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| Appendix A – Test result |

# Test campaign report

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| Test Case ID | Sample |  | Date | Conf | Verdict | Observations |
| TP\_A\_US915\_ED\_MAC\_BV\_000 | **Device ID** | HTLRBL32L testboard | 2021-08-03 | Yes | PASS |  |
| **App ID** | 1 |
| **Sw ver** | 1 |
| **Hw ver** | 1 |
| TP\_A\_US915\_ED\_MAC\_BV\_003 | **Device ID** | HTLRBL32L testboard | 2021-08-03 | Yes | PASS |  |
| **App ID** | 1 |
| **Sw ver** | 1 |
| **Hw ver** | 1 |
| TP\_A\_US915\_ED\_MAC\_BV\_004 | **Device ID** | HTLRBL32L testboard | 2021-08-03 | Yes | PASS |  |
| **App ID** | 1 |
| **Sw ver** | 1 |
| **Hw ver** | 1 |
| TP\_A\_US915\_ED\_MAC\_BV\_005 | **Device ID** | HTLRBL32L testboard | 2021-08-03 | Yes | PASS |  |
| **App ID** | 1 |
| **Sw ver** | 1 |
| **Hw ver** | 1 |
| TP\_A\_US915\_ED\_MAC\_BV\_007 | **Device ID** | HTLRBL32L testboard | 2021-08-03 | Yes | PASS |  |
| **App ID** | 1 |
| **Sw ver** | 1 |
| **Hw ver** | 1 |
| TP\_A\_US915\_ED\_MAC\_BV\_008 | **Device ID** | HTLRBL32L testboard | 2021-08-03 | Yes | PASS |  |
| **App ID** | 1 |
| **Sw ver** | 1 |
| **Hw ver** | 1 |
| TP\_A\_US915\_ED\_MAC\_BV\_010 | **Device ID** | HTLRBL32L testboard | 2021-08-03 | Yes | PASS |  |
| **App ID** | 1 |
| **Sw ver** | 1 |
| **Hw ver** | 1 |
| TP\_A\_US915\_ED\_MAC\_BV\_011 | **Device ID** | HTLRBL32L testboard | 2021-08-03 | Yes | PASS |  |
| **App ID** | 1 |
| **Sw ver** | 1 |
| **Hw ver** | 1 |
| TP\_A\_US915\_ED\_MAC\_BV\_012\_A | **Device ID** | HTLRBL32L testboard | 2021-08-03 | Yes | PASS |  |
| **App ID** | 1 |
| **Sw ver** | 1 |
| **Hw ver** | 1 |
| TP\_A\_US915\_ED\_MAC\_BV\_012\_B | **Device ID** | HTLRBL32L testboard | 2021-08-03 | Yes | PASS |  |
| **App ID** | 1 |
| **Sw ver** | 1 |
| **Hw ver** | 1 |
| TP\_A\_US915\_ED\_MAC\_BV\_013 | **Device ID** | HTLRBL32L testboard | 2021-08-03 | Yes | PASS |  |
| **App ID** | 1 |
| **Sw ver** | 1 |
| **Hw ver** | 1 |
| TP\_A\_US915\_ED\_MAC\_BV\_014 | **Device ID** | HTLRBL32L testboard | 2021-08-03 | Yes | PASS |  |
| **App ID** | 1 |
| **Sw ver** | 1 |
| **Hw ver** | 1 |
| TP\_A\_US915\_ED\_MAC\_BV\_016 | **Device ID** | HTLRBL32L testboard | 2021-08-03 | Yes | PASS |  |
| **App ID** | 1 |
| **Sw ver** | 1 |
| **Hw ver** | 1 |
| TP\_A\_US915\_ED\_MAC\_BV\_017 | **Device ID** | HTLRBL32L testboard | 2021-08-03 | Yes | PASS |  |
| **App ID** | 1 |
| **Sw ver** | 1 |
| **Hw ver** | 1 |

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| **Test Case** | TP\_A\_US915\_ED\_MAC\_BV\_000 | |
| **Verdict** | PASS | |
| **Date** | 2021-08-03 16:35:31 | |
| **Description** | Test mode activation | |
| **Technology Version** | LCTT v3.3.0\_R1 | GUI v1.9.0 | |
| **Core Version** | LoRaWAN\_L2v1.0.4/RP2\_v1.0.1 | |
| **Test Specs Version** | USv1.5.1/EUv1.6/KRv1.2.1/ASv1.1.1/INv1.1.1/ALL\_Av1.3/ALL\_Cv1.0 | |
| **Project** | HTLRBL32L - US915 | |
| **Project Creation Date** | 2021-07-19 10:56:56 | |
| **Sample** | DevID:HTLRBL32L testboard | AppID:1 | SW:1 | HW:1 | |
| **Parameters** | Conformance | TRUE |

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| **Time Stamp (ms)** | **Event** | **Summary** |
| 0:00:00.009820 | LOG | Start Test Case: TP\_A\_US915\_ED\_MAC\_BV\_000 |
| 0:00:00.029776 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT UPDATES. |
| 0:00:00.029776 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT TECHNOLOGY PACKAGES. |
| 0:00:00.039776 | LOG | ========================================================= |
| 0:00:00.039776 | LOG | Start Test Step: Device activation |
| 0:00:00.039776 | LOG | Activation By Personalization (ABP) process starts |
| 0:00:00.049793 | LOG | Activation process has finished successfully |
| 0:00:00.049793 | LOG | Data stored in the DUT after Activation: |
| 0:00:00.049793 | LOG | DevAddr: efbeadde |
| 0:00:00.049793 | LOG | AppEUI: 1111111111111111 |
| 0:00:00.049793 | LOG | NwkSKey: 11111111111111111111111111111111 |
| 0:00:00.049793 | LOG | AppSKey: 11111111111111111111111111111111 |
| 0:00:00.059775 | LOG | End Test Step: Device activation |
| 0:00:00.059775 | LOG | Partial Verdict: PASS |
| 0:00:00.059775 | LOG | ========================================================= |
| 0:00:00.059775 | LOG | ========================================================= |
| 0:00:00.059775 | LOG | Start Test Step: Test mode activation |
| 0:00:00.069779 | LOG | Test Mode activation process starts |
| 0:00:01.919720 | LOG | PULL\_DATA: 02 a24d 02 aa555a0000240409 |
| 0:00:01.919720 | LOG | PULL\_ACK: 02 a24d 04 |
| 0:00:01.919720 | LOG | First PULL\_DATA received |
| 0:00:03.740156 | LOG | PUSH\_ACK: 02 10d1 01 |
| 0:00:03.740156 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10d1, Identifier = 00, JSON = {'rxpk': [{'tmst': 318025152, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -39, 'size': 18, 'data': 'QO++rd6AAQACd1pvTljpG1aT'}]} |
| 0:00:03.740156 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0001, FOpts: ), FPort: 02, FRMPayload: 7465737465, MIC: e91b5693) |
| 0:00:03.740156 | LOG | Server <-------------------- DUT |
| 0:00:03.740156 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0001, FOpts: ), FPort: e0, FRMPayload: 01010101), MIC: cc81cb50) |
| 0:00:03.740156 | LOG | PULL\_RESP: Protocol version = 02, Token = 4f2a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 319025152, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 17, 'data': 'YO++rd4AAQDg+18Sz8yBy1A='}} |
| 0:00:03.740156 | LOG | Server --------------------> DUT |
| 0:00:03.740156 | LOG | TX\_ACK: 02 4f2a 05 aa555a0000240409 |
| 0:00:05.324830 | LOG | PUSH\_ACK: 02 10d2 01 |
| 0:00:05.324830 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10d2, Identifier = 00, JSON = {'rxpk': [{'tmst': 319597935, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AAgDgJHjQT5iq'}]} |
| 0:00:05.324830 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0002, FOpts: ), FPort: e0, FRMPayload: 0000, MIC: d04f98aa) |
| 0:00:05.324830 | LOG | Server <-------------------- DUT |
| 0:00:05.324830 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:00:05.324830 | LOG | Test Mode has been enabled successfully |
| 0:00:05.324830 | LOG | End Test Step: Test mode activation |
| 0:00:05.324830 | LOG | Partial Verdict: PASS |
| 0:00:05.334800 | LOG | ========================================================= |
| 0:00:05.334800 | LOG | ========================================================= |
| 0:00:05.334800 | LOG | Start Test Step: Test mode deactivation |
| 0:00:05.344794 | LOG | Test Mode deactivation process starts |
| 0:00:05.344794 | LOG | End Test Step: Test mode deactivation |
| 0:00:05.344794 | LOG | TEST STEP NOT APPLICABLE |
| 0:00:05.354794 | LOG | ========================================================= |
| 0:00:05.354794 | LOG | End Test Case: TP\_A\_US915\_ED\_MAC\_BV\_000 |
| 0:00:05.354794 | LOG | Final Verdict: PASS |

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| **Test Case** | TP\_A\_US915\_ED\_MAC\_BV\_003 | |
| **Verdict** | PASS | |
| **Date** | 2021-08-03 16:35:38 | |
| **Description** | AES encryption and message integrity | |
| **Technology Version** | LCTT v3.3.0\_R1 | GUI v1.9.0 | |
| **Core Version** | LoRaWAN\_L2v1.0.4/RP2\_v1.0.1 | |
| **Test Specs Version** | USv1.5.1/EUv1.6/KRv1.2.1/ASv1.1.1/INv1.1.1/ALL\_Av1.3/ALL\_Cv1.0 | |
| **Project** | HTLRBL32L - US915 | |
| **Project Creation Date** | 2021-07-19 10:56:56 | |
| **Sample** | DevID:HTLRBL32L testboard | AppID:1 | SW:1 | HW:1 | |
| **Parameters** | Conformance | TRUE |

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| **Time Stamp (ms)** | **Event** | **Summary** |
| -1 day, 23:59:59.999639 | LOG | Start Test Case: TP\_A\_US915\_ED\_MAC\_BV\_003 |
| 0:00:00.019639 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT UPDATES. |
| 0:00:00.019639 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT TECHNOLOGY PACKAGES. |
| 0:00:00.029642 | LOG | ========================================================= |
| 0:00:00.029642 | LOG | Start Test Step: Device activation |
| 0:00:00.069663 | LOG | Activation process has finished successfully |
| 0:00:00.069663 | LOG | Data stored in the DUT after Activation: |
| 0:00:00.069663 | LOG | DevAddr: efbeadde |
| 0:00:00.069663 | LOG | AppEUI: 1111111111111111 |
| 0:00:00.079639 | LOG | NwkSKey: 11111111111111111111111111111111 |
| 0:00:00.079639 | LOG | AppSKey: 11111111111111111111111111111111 |
| 0:00:00.079639 | LOG | End Test Step: Device activation |
| 0:00:00.079639 | LOG | Partial Verdict: PASS |
| 0:00:00.079639 | LOG | ========================================================= |
| 0:00:00.079639 | LOG | ========================================================= |
| 0:00:00.089639 | LOG | Start Test Step: Test mode activation |
| 0:00:00.089639 | LOG | Test Mode activation process starts |
| 0:00:00.089639 | LOG | Test Mode has been enabled successfully |
| 0:00:00.099637 | LOG | Send LinkADRReq process starts |
| 0:00:03.338140 | LOG | PUSH\_DATA received while waiting first PULL\_DATA |
| 0:00:05.343942 | LOG | PULL\_DATA: 02 2e94 02 aa555a0000240409 |
| 0:00:05.343942 | LOG | PULL\_ACK: 02 2e94 04 |
| 0:00:05.346023 | LOG | First PULL\_DATA received |
| 0:00:08.200095 | LOG | PUSH\_ACK: 02 10d5 01 |
| 0:00:08.202117 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10d5, Identifier = 00, JSON = {'rxpk': [{'tmst': 329282895, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ABADgNRqFh9E5'}]} |
| 0:00:08.202117 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0004, FOpts: ), FPort: e0, FRMPayload: 0000, MIC: 8587d139) |
| 0:00:08.202117 | LOG | Server <-------------------- DUT |
| 0:00:08.202117 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0002, FOpts: ), FPort: 00, FRMPayload: 0345010071), MIC: 54c68937) |
| 0:00:08.202117 | LOG | PULL\_RESP: Protocol version = 02, Token = 6504, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 330282895, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AAgAA+NJl4Y5Uxok3'}} |
| 0:00:08.202117 | LOG | Server --------------------> DUT |
| 0:00:08.202117 | LOG | TX\_ACK: 02 6504 05 aa555a0000240409 |
| 0:00:12.712761 | LOG | PUSH\_ACK: 02 10d6 01 |
| 0:00:12.713796 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10d6, Identifier = 00, JSON = {'rxpk': [{'tmst': 333803825, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CBQADB+BHA7o/QLo='}]} |
| 0:00:12.714756 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0005, FOpts: 0307), FPort: e0, FRMPayload: 0001, MIC: ba3f40ba) |
| 0:00:12.714756 | LOG | Server <-------------------- DUT |
| 0:00:12.719742 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:12.719742 | LOG | Command Answer: 0307 |
| 0:00:12.725726 | LOG | MAC command communication completed |
| 0:00:12.727721 | LOG | Send LinkADRReq process starts |
| 0:00:15.390528 | LOG | PULL\_DATA: 02 330c 02 aa555a0000240409 |
| 0:00:15.391527 | LOG | PULL\_ACK: 02 330c 04 |
| 0:00:17.591997 | LOG | PUSH\_ACK: 02 10d7 01 |
| 0:00:17.592995 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10d7, Identifier = 00, JSON = {'rxpk': [{'tmst': 338650857, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ABgDgOROG1fTB'}]} |
| 0:00:17.593992 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0006, FOpts: ), FPort: e0, FRMPayload: 0001, MIC: 86d5f4c1) |
| 0:00:17.593992 | LOG | Server <-------------------- DUT |
| 0:00:17.594990 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0003, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: 0c606572) |
| 0:00:17.595987 | LOG | PULL\_RESP: Protocol version = 02, Token = b237, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 339650857, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AAwAAOeOdpJ4MYGVy'}} |
| 0:00:17.595987 | LOG | Server --------------------> DUT |
| 0:00:17.597980 | LOG | TX\_ACK: 02 b237 05 aa555a0000240409 |
| 0:00:22.546960 | LOG | PUSH\_ACK: 02 10d8 01 |
| 0:00:22.547951 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10d8, Identifier = 00, JSON = {'rxpk': [{'tmst': 343603319, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -43, 'size': 17, 'data': 'QO++rd6CBwADB+BCrtbXMRM='}]} |
| 0:00:22.548941 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0007, FOpts: 0307), FPort: e0, FRMPayload: 0002, MIC: d6d73113) |
| 0:00:22.548941 | LOG | Server <-------------------- DUT |
| 0:00:22.548941 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:22.549939 | LOG | Command Answer: 0307 |
| 0:00:22.555956 | LOG | MAC command communication completed |
| 0:00:22.557917 | LOG | End Test Step: Test mode activation |
| 0:00:22.559915 | LOG | Partial Verdict: PASS |
| 0:00:22.561906 | LOG | ========================================================= |
| 0:00:22.564898 | LOG | ========================================================= |
| 0:00:22.565896 | LOG | Start Test Step: AES Encryption |
| 0:00:22.573874 | LOG | Test Echo service process starts |
| 0:00:25.425174 | LOG | PULL\_DATA: 02 d142 02 aa555a0000240409 |
| 0:00:25.426170 | LOG | PULL\_ACK: 02 d142 04 |
| 0:00:27.331025 | LOG | PUSH\_ACK: 02 10d9 01 |
| 0:00:27.332022 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10d9, Identifier = 00, JSON = {'rxpk': [{'tmst': 348445359, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6ACADgTTGBnwyF'}]} |
| 0:00:27.333030 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0008, FOpts: ), FPort: e0, FRMPayload: 0002, MIC: 819f0c85) |
| 0:00:27.334017 | LOG | Server <-------------------- DUT |
| 0:00:27.335016 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0004, FOpts: ), FPort: e0, FRMPayload: 0401), MIC: 362636b4) |
| 0:00:27.336017 | LOG | PULL\_RESP: Protocol version = 02, Token = a7e5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 349445359, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4ABADg2u42Jja0'}} |
| 0:00:27.336017 | LOG | Server --------------------> DUT |
| 0:00:27.338006 | LOG | TX\_ACK: 02 a7e5 05 aa555a0000240409 |
| 0:00:32.236826 | LOG | PUSH\_ACK: 02 10da 01 |
| 0:00:32.237855 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10da, Identifier = 00, JSON = {'rxpk': [{'tmst': 353287737, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ACQDguSn9oQ6D'}]} |
| 0:00:32.238850 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0009, FOpts: ), FPort: e0, FRMPayload: 0402, MIC: fda10e83) |
| 0:00:32.238850 | LOG | Server <-------------------- DUT |
| 0:00:32.239816 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:00:32.239816 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0005, FOpts: ), FPort: e0, FRMPayload: 04020202), MIC: dda7fa0a) |
| 0:00:32.240813 | LOG | PULL\_RESP: Protocol version = 02, Token = e198, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 354287737, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 17, 'data': 'YO++rd4ABQDg9fu6e92n+go='}} |
| 0:00:32.241816 | LOG | Server --------------------> DUT |
| 0:00:32.242809 | LOG | TX\_ACK: 02 e198 05 aa555a0000240409 |
| 0:00:35.540207 | LOG | PULL\_DATA: 02 a0a6 02 aa555a0000240409 |
| 0:00:35.540207 | LOG | PULL\_ACK: 02 a0a6 04 |
| 0:00:37.020732 | LOG | PUSH\_ACK: 02 10db 01 |
| 0:00:37.020732 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10db, Identifier = 00, JSON = {'rxpk': [{'tmst': 358130778, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -46, 'size': 17, 'data': 'QO++rd6ACgDgQU9bBaQMf3c='}]} |
| 0:00:37.020732 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 000a, FOpts: ), FPort: e0, FRMPayload: 04030303, MIC: a40c7f77) |
| 0:00:37.020732 | LOG | Server <-------------------- DUT |
| 0:00:37.020732 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:00:37.020732 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0006, FOpts: ), FPort: e0, FRMPayload: 0403030303030303), MIC: d0cf3918) |
| 0:00:37.020732 | LOG | PULL\_RESP: Protocol version = 02, Token = acc4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 359130778, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 21, 'data': 'YO++rd4ABgDgaTwCr8/58HzQzzkY'}} |
| 0:00:37.020732 | LOG | Server --------------------> DUT |
| 0:00:37.020732 | LOG | TX\_ACK: 02 acc4 05 aa555a0000240409 |
| 0:00:41.904016 | LOG | PUSH\_ACK: 02 10dd 01 |
| 0:00:41.904016 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10dd, Identifier = 00, JSON = {'rxpk': [{'tmst': 362984706, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -45, 'size': 21, 'data': 'QO++rd6ACwDgK4iEGV3+XXhdv/A1'}]} |
| 0:00:41.904016 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 000b, FOpts: ), FPort: e0, FRMPayload: 0404040404040404, MIC: 5dbff035) |
| 0:00:41.904016 | LOG | Server <-------------------- DUT |
| 0:00:41.904016 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:00:41.904016 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0007, FOpts: ), FPort: e0, FRMPayload: 04040404040404040404040404040404), MIC: fff230a8) |
| 0:00:41.904016 | LOG | PULL\_RESP: Protocol version = 02, Token = 5597, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 363984706, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 29, 'data': 'YO++rd4ABwDghtLknZItX180OQN8kzBQ/P/yMKg='}} |
| 0:00:41.904016 | LOG | Server --------------------> DUT |
| 0:00:41.904016 | LOG | TX\_ACK: 02 5597 05 aa555a0000240409 |
| 0:00:45.601120 | LOG | PULL\_DATA: 02 9f48 02 aa555a0000240409 |
| 0:00:45.601120 | LOG | PULL\_ACK: 02 9f48 04 |
| 0:00:46.773592 | LOG | PUSH\_ACK: 02 10de 01 |
| 0:00:46.775639 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10de, Identifier = 00, JSON = {'rxpk': [{'tmst': 367848979, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -44, 'size': 29, 'data': 'QO++rd6ADADgui1Bhek34dISnNdV2uabWx4vDXE='}]} |
| 0:00:46.775639 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 000c, FOpts: ), FPort: e0, FRMPayload: 04050505050505050505050505050505, MIC: 1e2f0d71) |
| 0:00:46.775639 | LOG | Server <-------------------- DUT |
| 0:00:46.775639 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:00:46.775639 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0008, FOpts: ), FPort: e0, FRMPayload: 0405050505050505050505050505050505050505050505050505050505050505), MIC: e8812d7b) |
| 0:00:46.775639 | LOG | PULL\_RESP: Protocol version = 02, Token = bc25, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 368848979, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 45, 'data': 'YO++rd4ACADgqseexMvPhZO+BvvG0DHNQpWUT2tQsxcobEQ8iyHTv1rogS17'}} |
| 0:00:46.775639 | LOG | Server --------------------> DUT |
| 0:00:46.775639 | LOG | TX\_ACK: 02 bc25 05 aa555a0000240409 |
| 0:00:51.665258 | LOG | PUSH\_ACK: 02 10df 01 |
| 0:00:51.665258 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10df, Identifier = 00, JSON = {'rxpk': [{'tmst': 372738444, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -43, 'size': 45, 'data': 'QO++rd6ADQDg8+wJJRtXU+pvRAte2ercxXasWBwrrqmqzAaojV764bMIh6Rw'}]} |
| 0:00:51.665258 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 000d, FOpts: ), FPort: e0, FRMPayload: 0406060606060606060606060606060606060606060606060606060606060606, MIC: 0887a470) |
| 0:00:51.665258 | LOG | Server <-------------------- DUT |
| 0:00:51.665258 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:00:51.665258 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0009, FOpts: ), FPort: e0, FRMPayload: 04060606060606060606060606060606060606060606060606060606060606060606060606060606060606060606060606060606060606060606060606060606), MIC: fad83da6) |
| 0:00:51.665258 | LOG | PULL\_RESP: Protocol version = 02, Token = 44b5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 373738444, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 77, 'data': 'YO++rd4ACQDgFf8EBywHgXMmcJwuYC2c9HZuxP19MAcNVWu4aFWdNwallFDJLVO3uatYiDVctytx/Z6v8L7Cm3IMTJYAjXDxPfrYPaY='}} |
| 0:00:51.665258 | LOG | Server --------------------> DUT |
| 0:00:51.665258 | LOG | TX\_ACK: 02 44b5 05 aa555a0000240409 |
| 0:00:55.776684 | LOG | PULL\_DATA: 02 825f 02 aa555a0000240409 |
| 0:00:55.776684 | LOG | PULL\_ACK: 02 825f 04 |
| 0:00:56.629421 | LOG | PUSH\_ACK: 02 10e0 01 |
| 0:00:56.631489 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10e0, Identifier = 00, JSON = {'rxpk': [{'tmst': 377674348, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -44, 'size': 77, 'data': 'QO++rd6ADgDgrX/m4DKlMCTwrJl1wbevYCjirm5Npk+Q9TUgydTOVmHztaEJ2e/zawUxQ0YWESL0NVOQoezfI00HbhUyWC++nw3dVyU='}]} |
| 0:00:56.631489 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 000e, FOpts: ), FPort: e0, FRMPayload: 04070707070707070707070707070707070707070707070707070707070707070707070707070707070707070707070707070707070707070707070707070707, MIC: 0ddd5725) |
| 0:00:56.631489 | LOG | Server <-------------------- DUT |
| 0:00:56.631489 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:00:56.631489 | LOG | Echo service tested successfully |
| 0:00:56.631489 | LOG | End Test Step: AES Encryption |
| 0:00:56.639553 | LOG | Partial Verdict: PASS |
| 0:00:56.639553 | LOG | ========================================================= |
| 0:00:56.639553 | LOG | ========================================================= |
| 0:00:56.639553 | LOG | Start Test Step: Invalid Message Integrity Code |
| 0:00:56.649513 | LOG | Test Echo service with invalid MIC process starts |
| 0:01:01.271797 | LOG | PUSH\_ACK: 02 10e1 01 |
| 0:01:01.273823 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10e1, Identifier = 00, JSON = {'rxpk': [{'tmst': 382383780, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -44, 'size': 15, 'data': 'QO++rd6ADwDgIj7pyDUM'}]} |
| 0:01:01.273823 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 000f, FOpts: ), FPort: e0, FRMPayload: 0008, MIC: e9c8350c) |
| 0:01:01.273823 | LOG | Server <-------------------- DUT |
| 0:01:01.273823 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 000a, FOpts: ), FPort: e0, FRMPayload: 0401), MIC: a833e378) |
| 0:01:01.273823 | LOG | PULL\_RESP: Protocol version = 02, Token = d512, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 383383780, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4ACgDgkIyoM+N4'}} |
| 0:01:01.273823 | LOG | Server --------------------> DUT |
| 0:01:01.273823 | LOG | TX\_ACK: 02 d512 05 aa555a0000240409 |
| 0:01:05.993903 | LOG | PULL\_DATA: 02 982e 02 aa555a0000240409 |
| 0:01:05.993903 | LOG | PULL\_ACK: 02 982e 04 |
| 0:01:06.143900 | LOG | PUSH\_ACK: 02 10e2 01 |
| 0:01:06.143900 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10e2, Identifier = 00, JSON = {'rxpk': [{'tmst': 387226172, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AEADgr8+k0bAf'}]} |
| 0:01:06.143900 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0010, FOpts: ), FPort: e0, FRMPayload: 0008, MIC: a4d1b01f) |
| 0:01:06.143900 | LOG | Server <-------------------- DUT |
| 0:01:06.143900 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 000b, FOpts: ), FPort: e0, FRMPayload: 0402), MIC: a6c65fad) |
| 0:01:06.143900 | LOG | PULL\_RESP: Protocol version = 02, Token = e228, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 388226172, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4ACwDgO3imxl+t'}} |
| 0:01:06.143900 | LOG | Server --------------------> DUT |
| 0:01:06.143900 | LOG | TX\_ACK: 02 e228 05 aa555a0000240409 |
| 0:01:10.982493 | LOG | PUSH\_ACK: 02 10e4 01 |
| 0:01:10.983489 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10e4, Identifier = 00, JSON = {'rxpk': [{'tmst': 392068667, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AEQDgpY1gDZsR'}]} |
| 0:01:10.984487 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0011, FOpts: ), FPort: e0, FRMPayload: 0008, MIC: 600d9b11) |
| 0:01:10.984487 | LOG | Server <-------------------- DUT |
| 0:01:10.985484 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 000c, FOpts: ), FPort: e0, FRMPayload: 0403), MIC: 7931389b) |
| 0:01:10.986481 | LOG | PULL\_RESP: Protocol version = 02, Token = da06, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 393068667, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4ADADgAZh5MTib'}} |
| 0:01:10.986481 | LOG | Server --------------------> DUT |
| 0:01:10.988501 | LOG | TX\_ACK: 02 da06 05 aa555a0000240409 |
| 0:01:11.586503 | LOG | Cannot unpack the message |
| 0:01:15.862442 | LOG | PUSH\_ACK: 02 10e6 01 |
| 0:01:15.863475 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10e6, Identifier = 00, JSON = {'rxpk': [{'tmst': 396911195, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AEgDg0mM4MA4M'}]} |
| 0:01:15.864438 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0012, FOpts: ), FPort: e0, FRMPayload: 0008, MIC: 38300e0c) |
| 0:01:15.864438 | LOG | Server <-------------------- DUT |
| 0:01:15.866431 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 000d, FOpts: ), FPort: e0, FRMPayload: 0404), MIC: f9c5a8cf) |
| 0:01:15.867467 | LOG | PULL\_RESP: Protocol version = 02, Token = 5c73, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 397911195, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4ADQDgF3j5xajP'}} |
| 0:01:15.867467 | LOG | Server --------------------> DUT |
| 0:01:15.869423 | LOG | TX\_ACK: 02 5c73 05 aa555a0000240409 |
| 0:01:16.098600 | LOG | PULL\_DATA: 02 970b 02 aa555a0000240409 |
| 0:01:16.099562 | LOG | PULL\_ACK: 02 970b 04 |
| 0:01:20.680751 | LOG | PUSH\_ACK: 02 10e7 01 |
| 0:01:20.681759 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10e7, Identifier = 00, JSON = {'rxpk': [{'tmst': 401753649, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AEwDgyb6lERjP'}]} |
| 0:01:20.682746 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0013, FOpts: ), FPort: e0, FRMPayload: 0008, MIC: a51118cf) |
| 0:01:20.682746 | LOG | Server <-------------------- DUT |
| 0:01:20.683754 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 000e, FOpts: ), FPort: e0, FRMPayload: 0405), MIC: 4d08982e) |
| 0:01:20.684765 | LOG | PULL\_RESP: Protocol version = 02, Token = 9abd, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 402753649, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4ADgDgiYhNCJgu'}} |
| 0:01:20.684765 | LOG | Server --------------------> DUT |
| 0:01:20.685738 | LOG | TX\_ACK: 02 9abd 05 aa555a0000240409 |
| 0:01:25.516756 | LOG | PUSH\_ACK: 02 10e8 01 |
| 0:01:25.518791 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10e8, Identifier = 00, JSON = {'rxpk': [{'tmst': 406596171, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AFADg4+jWpgXV'}]} |
| 0:01:25.518791 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0014, FOpts: ), FPort: e0, FRMPayload: 0008, MIC: d6a605d5) |
| 0:01:25.518791 | LOG | Server <-------------------- DUT |
| 0:01:25.518791 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 000f, FOpts: ), FPort: e0, FRMPayload: 0406), MIC: 85decb69) |
| 0:01:25.518791 | LOG | PULL\_RESP: Protocol version = 02, Token = c8ff, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 407596171, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4ADwDgHdiF3stp'}} |
| 0:01:25.518791 | LOG | Server --------------------> DUT |
| 0:01:25.518791 | LOG | TX\_ACK: 02 c8ff 05 aa555a0000240409 |
| 0:01:26.139322 | LOG | PULL\_DATA: 02 118b 02 aa555a0000240409 |
| 0:01:26.139322 | LOG | PULL\_ACK: 02 118b 04 |
| 0:01:30.335238 | LOG | PUSH\_ACK: 02 10e9 01 |
| 0:01:30.335238 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10e9, Identifier = 00, JSON = {'rxpk': [{'tmst': 411438657, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AFQDgr0zi+bqJ'}]} |
| 0:01:30.335238 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0015, FOpts: ), FPort: e0, FRMPayload: 0008, MIC: e2f9ba89) |
| 0:01:30.335238 | LOG | Server <-------------------- DUT |
| 0:01:30.335238 | LOG | Echo service with invalid MIC tested successfully |
| 0:01:30.335238 | LOG | End Test Step: Invalid Message Integrity Code |
| 0:01:30.343325 | LOG | Partial Verdict: PASS |
| 0:01:30.343325 | LOG | ========================================================= |
| 0:01:30.343325 | LOG | ========================================================= |
| 0:01:30.343325 | LOG | Start Test Step: Test mode deactivation |
| 0:01:30.353252 | LOG | Test Mode deactivation process starts |
| 0:01:30.363252 | LOG | End Test Step: Test mode deactivation |
| 0:01:30.363252 | LOG | TEST STEP NOT APPLICABLE |
| 0:01:30.363252 | LOG | ========================================================= |
| 0:01:30.363252 | LOG | End Test Case: TP\_A\_US915\_ED\_MAC\_BV\_003 |
| 0:01:30.363252 | LOG | Final Verdict: PASS |

|  |  |  |
| --- | --- | --- |
| **Test Case** | TP\_A\_US915\_ED\_MAC\_BV\_004 | |
| **Verdict** | PASS | |
| **Date** | 2021-08-03 16:37:10 | |
| **Description** | Downlink Error Rate | |
| **Technology Version** | LCTT v3.3.0\_R1 | GUI v1.9.0 | |
| **Core Version** | LoRaWAN\_L2v1.0.4/RP2\_v1.0.1 | |
| **Test Specs Version** | USv1.5.1/EUv1.6/KRv1.2.1/ASv1.1.1/INv1.1.1/ALL\_Av1.3/ALL\_Cv1.0 | |
| **Project** | HTLRBL32L - US915 | |
| **Project Creation Date** | 2021-07-19 10:56:56 | |
| **Sample** | DevID:HTLRBL32L testboard | AppID:1 | SW:1 | HW:1 | |
| **Parameters** | End test case when limit exceeded | TRUE |
|  | Conformance | TRUE |

|  |  |  |
| --- | --- | --- |
| **Time Stamp (ms)** | **Event** | **Summary** |
| 0:00:00.009627 | LOG | Start Test Case: TP\_A\_US915\_ED\_MAC\_BV\_004 |
| 0:00:00.039662 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT UPDATES. |
| 0:00:00.039662 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT TECHNOLOGY PACKAGES. |
| 0:00:00.039662 | LOG | ========================================================= |
| 0:00:00.039662 | LOG | Start Test Step: Device activation |
| 0:00:00.089626 | LOG | Activation process has finished successfully |
| 0:00:00.089626 | LOG | Data stored in the DUT after Activation: |
| 0:00:00.089626 | LOG | DevAddr: efbeadde |
| 0:00:00.089626 | LOG | AppEUI: 1111111111111111 |
| 0:00:00.089626 | LOG | NwkSKey: 11111111111111111111111111111111 |
| 0:00:00.089626 | LOG | AppSKey: 11111111111111111111111111111111 |
| 0:00:00.099625 | LOG | End Test Step: Device activation |
| 0:00:00.099625 | LOG | Partial Verdict: PASS |
| 0:00:00.099625 | LOG | ========================================================= |
| 0:00:00.099625 | LOG | ========================================================= |
| 0:00:00.099625 | LOG | Start Test Step: Test mode activation |
| 0:00:00.109625 | LOG | Test Mode activation process starts |
| 0:00:00.109625 | LOG | Test Mode has been enabled successfully |
| 0:00:00.119625 | LOG | Send LinkADRReq process starts |
| 0:00:03.263186 | LOG | PUSH\_DATA received while waiting first PULL\_DATA |
| 0:00:04.291175 | LOG | PULL\_DATA: 02 6823 02 aa555a0000240409 |
| 0:00:04.291175 | LOG | PULL\_ACK: 02 6823 04 |
| 0:00:04.291175 | LOG | First PULL\_DATA received |
| 0:00:08.215488 | LOG | PUSH\_ACK: 02 10ec 01 |
| 0:00:08.216526 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10ec, Identifier = 00, JSON = {'rxpk': [{'tmst': 421164313, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AFwDgiW0vJo2H'}]} |
| 0:00:08.217511 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0017, FOpts: ), FPort: e0, FRMPayload: 0008, MIC: 2f268d87) |
| 0:00:08.217511 | LOG | Server <-------------------- DUT |
| 0:00:08.218510 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0010, FOpts: ), FPort: 00, FRMPayload: 0345010071), MIC: fdf83cfe) |
| 0:00:08.219509 | LOG | PULL\_RESP: Protocol version = 02, Token = b6ec, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 422164313, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AEAAA/zCUwhH9+Dz+'}} |
| 0:00:08.219509 | LOG | Server --------------------> DUT |
| 0:00:08.221470 | LOG | TX\_ACK: 02 b6ec 05 aa555a0000240409 |
| 0:00:12.956603 | LOG | PUSH\_ACK: 02 10ed 01 |
| 0:00:12.957601 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10ed, Identifier = 00, JSON = {'rxpk': [{'tmst': 425907594, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CGAADB+DviBtA3O4='}]} |
| 0:00:12.958612 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0018, FOpts: 0307), FPort: e0, FRMPayload: 0009, MIC: 1b40dcee) |
| 0:00:12.958612 | LOG | Server <-------------------- DUT |
| 0:00:12.966575 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:12.966575 | LOG | Command Answer: 0307 |
| 0:00:12.971562 | LOG | MAC command communication completed |
| 0:00:12.973572 | LOG | Send LinkADRReq process starts |
| 0:00:14.416443 | LOG | PULL\_DATA: 02 6fbe 02 aa555a0000240409 |
| 0:00:14.417405 | LOG | PULL\_ACK: 02 6fbe 04 |
| 0:00:17.726493 | LOG | PUSH\_ACK: 02 10ee 01 |
| 0:00:17.727509 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10ee, Identifier = 00, JSON = {'rxpk': [{'tmst': 430754786, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AGQDg72jAScN/'}]} |
| 0:00:17.727509 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0019, FOpts: ), FPort: e0, FRMPayload: 0009, MIC: c049c37f) |
| 0:00:17.728486 | LOG | Server <-------------------- DUT |
| 0:00:17.729484 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0011, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: ac1f1263) |
| 0:00:17.730482 | LOG | PULL\_RESP: Protocol version = 02, Token = aca8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 431754786, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AEQAAnb6fTPasHxJj'}} |
| 0:00:17.730482 | LOG | Server --------------------> DUT |
| 0:00:17.731478 | LOG | TX\_ACK: 02 aca8 05 aa555a0000240409 |
| 0:00:22.704917 | LOG | PUSH\_ACK: 02 10ef 01 |
| 0:00:22.705914 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10ef, Identifier = 00, JSON = {'rxpk': [{'tmst': 435707345, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -46, 'size': 17, 'data': 'QO++rd6CGgADB+B6BCyvV50='}]} |
| 0:00:22.705914 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 001a, FOpts: 0307), FPort: e0, FRMPayload: 000a, MIC: 2caf579d) |
| 0:00:22.706950 | LOG | Server <-------------------- DUT |
| 0:00:22.707907 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:22.707907 | LOG | Command Answer: 0307 |
| 0:00:22.710995 | LOG | MAC command communication completed |
| 0:00:22.715017 | LOG | End Test Step: Test mode activation |
| 0:00:22.715017 | LOG | Partial Verdict: PASS |
| 0:00:22.715017 | LOG | ========================================================= |
| 0:00:22.715017 | LOG | ========================================================= |
| 0:00:22.715017 | LOG | Start Test Step: Test packet error rate for RX1 window |
| 0:00:22.727447 | LOG | Packet error rate (Unconfirmed) SF8BW125 process starts |
| 0:00:24.544255 | LOG | PULL\_DATA: 02 2818 02 aa555a0000240409 |
| 0:00:24.544255 | LOG | PULL\_ACK: 02 2818 04 |
| 0:00:27.549207 | LOG | PUSH\_ACK: 02 10f0 01 |
| 0:00:27.551259 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10f0, Identifier = 00, JSON = {'rxpk': [{'tmst': 440549553, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AGwDgq2fSPxNu'}]} |
| 0:00:27.551259 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 001b, FOpts: ), FPort: e0, FRMPayload: 000a, MIC: d23f136e) |
| 0:00:27.551259 | LOG | Server <-------------------- DUT |
| 0:00:27.551259 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0012, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 2e6b1d84) |
| 0:00:27.551259 | LOG | PULL\_RESP: Protocol version = 02, Token = d227, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 441549553, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AEgDgUwBblPuaUjxGHmwKFbJ19eLCNxlMHMUHSgX3BFiu57E5RzSvCtsryEGVsWm0Hz5WXVi/+L+XFnoxEAq5mGptzTqFWQotj5ZVnL9u/JfhkaY9lmZ4Nwk2PPznM+qJlM+d0kc9u65lt723Bog2axO4IvM+4LQRzT+HWXe51Pj6RumnERclrKemczziINFNbSOTgafYiygf4MJ+Dilkm8fsg0Z9mMPyojBb4vB0hQal+KUFoUoi6kBGcI+lCn1pwcbukVI6JSBtUKLY/UswQ6aJVZW5AW7ZQTp2HrweiqulNBbuQfO0/uPlbkNfGCTVyB6NzjMuax2E'}} |
| 0:00:27.551259 | LOG | Server --------------------> DUT |
| 0:00:27.551259 | LOG | TX\_ACK: 02 d227 05 aa555a0000240409 |
| 0:00:32.425671 | LOG | PUSH\_ACK: 02 10f1 01 |
| 0:00:32.425671 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10f1, Identifier = 00, JSON = {'rxpk': [{'tmst': 445392089, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AHADghD2xUbi8'}]} |
| 0:00:32.425671 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 001c, FOpts: ), FPort: e0, FRMPayload: 000b, MIC: b151b8bc) |
| 0:00:32.425671 | LOG | Server <-------------------- DUT |
| 0:00:32.425671 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0013, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e08e66dc) |
| 0:00:32.425671 | LOG | PULL\_RESP: Protocol version = 02, Token = 1054, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 446392089, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AEwDgXNiJbUBYOcvtTslHa437GaRyVatVpe7YqXPlEZBUMODnWJ8vLrXthqGr2Qn8jV6ZIrJmeQzbazh5E9F5AAKRgVzGutv/kSsPZCqg0rPMm8jEFoRNqPX9s0rFCZBmsaUqTfOSolmzweX7FH60HRl3uWBU73IM6HJhVqgdnGPvWVWAUFwUY3gSwIOSmQw5YwCspCSz/vJexz6JWLzt/hCBXD4k17V5w1FxZEaEmiS2PWLtEgJpYgAiVlI1nZ3FEtaXF/cbAXGWdBN+hkjnsARvVObpOTMQK7Qt3hSLPyHzst9ELiqRlryHyMyoyanMoqTDJGXgjmbc'}} |
| 0:00:32.425671 | LOG | Server --------------------> DUT |
| 0:00:32.425671 | LOG | TX\_ACK: 02 1054 05 aa555a0000240409 |
| 0:00:34.680754 | LOG | PULL\_DATA: 02 30df 02 aa555a0000240409 |
| 0:00:34.680754 | LOG | PULL\_ACK: 02 30df 04 |
| 0:00:37.268023 | LOG | PUSH\_ACK: 02 10f3 01 |
| 0:00:37.270063 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10f3, Identifier = 00, JSON = {'rxpk': [{'tmst': 450234553, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AHQDgtmqIq/7U'}]} |
| 0:00:37.270063 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 001d, FOpts: ), FPort: e0, FRMPayload: 000c, MIC: 88abfed4) |
| 0:00:37.270063 | LOG | Server <-------------------- DUT |
| 0:00:37.270063 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0014, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 413605cc) |
| 0:00:37.270063 | LOG | PULL\_RESP: Protocol version = 02, Token = 2de8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 451234553, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AFADgOigzMAZbGx/UPTkK+dOdkGu0qbZL+idE+t8o34n4ZmReYSvIjxnwWiK+zCTbK8KvH30ag+2i+5+LCzftu2/3Uzry/zfYLl1rCvOuQ/UtUX13/dXdM4e4Zy18yOUEb3Utb2/ihautFvBCmEKfYHgRN9OPv83No+yyIZ5rvZum0tQolVFe9ER/ZEwTzb9qqfF/y0mobdeR3ahjanOTeOIL4Mgf6zKF35jEGas2FpXVyBmyPDBZ4xRaIxiaVHYSPJ45kEX8+n/8kCV+gojucCaEwfWAL0TtjVMOZBoD28+uWqHjA1SSLFPkZImXKfISoDWkCVtBNgXM'}} |
| 0:00:37.270063 | LOG | Server --------------------> DUT |
| 0:00:37.270063 | LOG | TX\_ACK: 02 2de8 05 aa555a0000240409 |
| 0:00:42.106007 | LOG | PUSH\_ACK: 02 10f4 01 |
| 0:00:42.106967 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10f4, Identifier = 00, JSON = {'rxpk': [{'tmst': 455077072, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AHgDgfzaB84tx'}]} |
| 0:00:42.106967 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 001e, FOpts: ), FPort: e0, FRMPayload: 000d, MIC: 81f38b71) |
| 0:00:42.107999 | LOG | Server <-------------------- DUT |
| 0:00:42.108998 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0015, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: de1a9cb5) |
| 0:00:42.109960 | LOG | PULL\_RESP: Protocol version = 02, Token = 043c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 456077072, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AFQDg7uKicYcxGz3NmUfIctUUijz8BZCEPWpQz3VbSzyvUkIkDLfVq8OB9OHQukUSHzfNUPPBOH4fdYG+xY1ZkW10y3hP2F7OThCXoz8EszjmUlsEJTy+vDFODDg088DHO2CigkHQzBhOdiGb67R3nwYT6CbLSFsSi41Fq1CJ7U6moCoSaJVm2aik5a0oPKaLvrWutu87TUqI3kccMTJNYc4YrU9M/3uyVjugglS85FVQe1H78W0oQ5/NC2O7JS4Aqbp4Kwhia0nQoM/iObTzB9DeNQzzyZOCxaSG4D5+JCW37Hnxm9HYT2skyNJ3ttNDWbvy1wHeGpy1'}} |
| 0:00:42.110986 | LOG | Server --------------------> DUT |
| 0:00:42.111953 | LOG | TX\_ACK: 02 043c 05 aa555a0000240409 |
| 0:00:44.804886 | LOG | PULL\_DATA: 02 dee7 02 aa555a0000240409 |
| 0:00:44.805884 | LOG | PULL\_ACK: 02 dee7 04 |
| 0:00:46.920155 | LOG | PUSH\_ACK: 02 10f5 01 |
| 0:00:46.921151 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10f5, Identifier = 00, JSON = {'rxpk': [{'tmst': 459919653, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AHwDguuqWneu2'}]} |
| 0:00:46.922150 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 001f, FOpts: ), FPort: e0, FRMPayload: 000e, MIC: 969debb6) |
| 0:00:46.922150 | LOG | Server <-------------------- DUT |
| 0:00:46.923213 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0016, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5128e841) |
| 0:00:46.924169 | LOG | PULL\_RESP: Protocol version = 02, Token = b2ed, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 460919653, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AFgDgStNp+o2dObLn/ThdRfk/K1lO23skNuDcrZ6+0I5pfX1N7DbDQSaU9fkgq+Luwfwddn4YP33fpGRcl24682IkSYETc+1TIURYpwIK8gfRZ1KU+44BT/VSFblLLkf+LY4Uug1Mjy4RxLsBCFUF6WeexZY6UvCcCDNODUuap9QKjrB+qu/0eb7V/gW86eEcPUWflpIiA2qvTTei+VGa0KN8aH4zIAnO3DD2rsn/DPkK2St1sGsW+stUUCYFyUMgN+tZflYIdObFh5liwodDe+84MJk4PNpav/ONVRU0W2mG555Zg1ksLzX22evoaTgXmlxzhDtRKOhB'}} |
| 0:00:46.924169 | LOG | Server --------------------> DUT |
| 0:00:46.926147 | LOG | TX\_ACK: 02 b2ed 05 aa555a0000240409 |
| 0:00:51.741135 | LOG | PUSH\_ACK: 02 10f6 01 |
| 0:00:51.741135 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10f6, Identifier = 00, JSON = {'rxpk': [{'tmst': 464762399, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AIADgI5iG0P2K'}]} |
| 0:00:51.741135 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0020, FOpts: ), FPort: e0, FRMPayload: 000f, MIC: 86d0fd8a) |
| 0:00:51.741135 | LOG | Server <-------------------- DUT |
| 0:00:51.741135 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0017, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 13b71303) |
| 0:00:51.741135 | LOG | PULL\_RESP: Protocol version = 02, Token = 1bd2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 465762399, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AFwDgORxqGgfRQ4RLz5M4aJgOPP8a/lMvMQNCXO4w00oCpjJN9Nl1pfrgQQ/0WQwFFkLbBMdTzVNHNUSP1Pt+ajVXtx3GCFiDFFBCBIr8qYoqt1TplfVFAvT3fzFe+MdgM/2xVHrwBEBh8bC8nYIYgPdBuyDvq/ZKzikvNNcCIAP64YSRk4TIWqPbxkeXhTeJOVUik0+X+YSssrcR5OIYrSQa2N9IyX6dnvvyp2HrhnKNWFRpgGEIeeNFlndYraDBJ/rBtHeOqmtSAmKoAf2F8+TXV5WhQ8wCfiUw6Ngk4czYBpAYBmPmDNp1+zWRelD2UD1DCf0TtxMD'}} |
| 0:00:51.741135 | LOG | Server --------------------> DUT |
| 0:00:51.741135 | LOG | TX\_ACK: 02 1bd2 05 aa555a0000240409 |
| 0:00:54.841862 | LOG | PULL\_DATA: 02 2bf6 02 aa555a0000240409 |
| 0:00:54.841862 | LOG | PULL\_ACK: 02 2bf6 04 |
| 0:00:56.576886 | LOG | PUSH\_ACK: 02 10f7 01 |
| 0:00:56.576886 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10f7, Identifier = 00, JSON = {'rxpk': [{'tmst': 469604871, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AIQDgaff0pUkK'}]} |
| 0:00:56.576886 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0021, FOpts: ), FPort: e0, FRMPayload: 0010, MIC: f4a5490a) |
| 0:00:56.576886 | LOG | Server <-------------------- DUT |
| 0:00:56.576886 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0018, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 69c0cbe0) |
| 0:00:56.576886 | LOG | PULL\_RESP: Protocol version = 02, Token = 1a2f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 470604871, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AGADg9uopYWNNHDCOVJojU4Qw5jUE9phIMNp4SOC08EfcUuta1oWQC7oRyuxIc8S6qjmVFUFYoqS1eGCgrE2Qst+MdeWciXI3ilzNBicvoNBhDHikIc/J40oCnN0K4oK4h26kLEVU7uPTfYxBDQ7jazNHPtmmceDgQ8/dqa/Pu1eM9P+MQ6VEAX6HnzJb8F9xHdAUQ2CtUMaXMxNOypWEUgWjYsv2yxnbJ51qS1/AKX94u4o8bKzsXqVmO4S+aJPSBCbEECSQvEXDaiHAam737vaJjx2xi6jAdohqUaVhxuJJ4XEEws9fOBlhjEMlCyKnnjc/GJ1pwMvg'}} |
| 0:00:56.576886 | LOG | Server --------------------> DUT |
| 0:00:56.576886 | LOG | TX\_ACK: 02 1a2f 05 aa555a0000240409 |
| 0:01:01.497810 | LOG | PUSH\_ACK: 02 10f8 01 |
| 0:01:01.497810 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10f8, Identifier = 00, JSON = {'rxpk': [{'tmst': 474487903, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AIgDgPV6KzB2u'}]} |
| 0:01:01.497810 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0022, FOpts: ), FPort: e0, FRMPayload: 0011, MIC: 8acc1dae) |
| 0:01:01.497810 | LOG | Server <-------------------- DUT |
| 0:01:01.497810 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0019, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: dcd1404d) |
| 0:01:01.497810 | LOG | PULL\_RESP: Protocol version = 02, Token = 0e98, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 475487903, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AGQDg6dCjPK57/0z9PWBjR72FZady/fkiFrzgMtf0JvG6kpLd3QOx9VHaXen5MXCFd2Dytq1TzG8pBpoKStS/zvv9/tGcmMGsztpHqpUREiIAVTUi+HVzoepjOa+C6Og/T/wa2zJbdAV6ZwvmSf5yWpe/v0WZXTKaGz+usKwNLHUcWFkQy0BmBnwmWn4B3eVB9eoXi4B/QVb+GzhZKzbW6v1sFuhiIrXR01EoxoM6zwzRfz3MKLSv5Iy5badZrpntmYgVyiujpVYjAxKqcjZDIr+rJoUxEzYer06xlG0/9mOqm6CAX9lA8BuaGjIw2oUeBV9LRV7c0UBN'}} |
| 0:01:01.497810 | LOG | Server --------------------> DUT |
| 0:01:01.497810 | LOG | TX\_ACK: 02 0e98 05 aa555a0000240409 |
| 0:01:04.975521 | LOG | PULL\_DATA: 02 c7ee 02 aa555a0000240409 |
| 0:01:04.975521 | LOG | PULL\_ACK: 02 c7ee 04 |
| 0:01:06.333545 | LOG | PUSH\_ACK: 02 10f9 01 |
| 0:01:06.333545 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10f9, Identifier = 00, JSON = {'rxpk': [{'tmst': 479330422, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 12.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AIwDgKggVEATJ'}]} |
| 0:01:06.333545 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0023, FOpts: ), FPort: e0, FRMPayload: 0012, MIC: 151004c9) |
| 0:01:06.333545 | LOG | Server <-------------------- DUT |
| 0:01:06.333545 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 001a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 60bc5523) |
| 0:01:06.333545 | LOG | PULL\_RESP: Protocol version = 02, Token = 2c3b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 480330422, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AGgDge8ZPlQIqatsxWcasaGmmX8nGezqfR0kBVdj6xYhaKhqN7CCdWNQmAidv6Rcu76OBMj7pCGjSr+McMhdQ+x5KVAAD5EcmtPUq6u4DPNV3QeRMCxv4f4cb8oOW6OVqrCfvADGXJbmbOffDcCR7sQSoKfo0+taq63HXQ7lKns3++nhpToBNe8I7taikZBVCGr6hSZNglEAP9H8RXbgJXwM2CwuG7dBV0w08AjJSHHrI1WwhLbwXbs3n2Z2vjMgc20X/aOuz1SsHsXMi7Gm5Qv/fLuq5X9EEUlonMZ3XYi6LWkQLTt18PXF3j8jTtgMETUfi4r5gvFUj'}} |
| 0:01:06.333545 | LOG | Server --------------------> DUT |
| 0:01:06.333545 | LOG | TX\_ACK: 02 2c3b 05 aa555a0000240409 |
| 0:01:11.176055 | LOG | PUSH\_ACK: 02 10fb 01 |
| 0:01:11.176055 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10fb, Identifier = 00, JSON = {'rxpk': [{'tmst': 484172933, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AJADgqFuAqBhD'}]} |
| 0:01:11.179020 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0024, FOpts: ), FPort: e0, FRMPayload: 0013, MIC: 80a81843) |
| 0:01:11.179020 | LOG | Server <-------------------- DUT |
| 0:01:11.179020 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 001b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 6081c97b) |
| 0:01:11.179020 | LOG | PULL\_RESP: Protocol version = 02, Token = 185b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 485172933, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AGwDg6CE36MzeFNnEautr2q3MB5HICztXvXrJ5abj6aiEzqzN9NwR90I8pP6GxGgNT+3i555AAWFKcpz0QHSEbnX/qavdqhPnNNIdfKhyvIkbAD1HAUrbRkwlU6twFiT8pQTG72yMyGpnj2M/ZUhyNQFmUESiYba9n2uo9SEfSle/0O0z1KD9Gu4pUz8+ckN4MnWdQMnbxAOmGc48UYSl49iHrH+xOlU5+sJWQMSskiq/CsfHwKFgF4foNEa+vVuh7TMtokLcwcW/s4fAijiE7JYIDz3HG+U3wwVxvpqrbPiVrM4IJaKV9QriP1Q4UktL6uXG+wJggcl7'}} |
| 0:01:11.179020 | LOG | Server --------------------> DUT |
| 0:01:11.179020 | LOG | TX\_ACK: 02 185b 05 aa555a0000240409 |
| 0:01:15.100937 | LOG | PULL\_DATA: 02 186a 02 aa555a0000240409 |
| 0:01:15.100937 | LOG | PULL\_ACK: 02 186a 04 |
| 0:01:15.992194 | LOG | PUSH\_ACK: 02 10fc 01 |
| 0:01:15.992194 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10fc, Identifier = 00, JSON = {'rxpk': [{'tmst': 489015614, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AJQDgNE82SMOW'}]} |
| 0:01:15.992194 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0025, FOpts: ), FPort: e0, FRMPayload: 0014, MIC: 3648c396) |
| 0:01:15.992194 | LOG | Server <-------------------- DUT |
| 0:01:15.992194 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 001c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 633dbe3f) |
| 0:01:15.992194 | LOG | PULL\_RESP: Protocol version = 02, Token = cf84, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 490015614, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AHADgFwCho2l1JbTvIqdKn5Bc5N1D6UOZkO8RaKPLUVlw8AuE5Olv/kCGl+ckkTyg2zTT+Mh9bfWHXtHG7Pmc2herpiQE1aVqiAHHKeBubP/Vyt57sRSb94dw/xO0ACYme6xX0enLRgmsbk7+yMPeCZ9WXwS5TCD3TfQZ2+iGh0rK6/5iI1VkQzJKI9nCOHTqT6X6OXhqALaXj6F06rjZmDCmxXdb8119VD5YMI7c0BtwxF931ZxfwOFA93HZc3seD6yFyZIfQgX9hWnPVlxjfmcnQlUFcuxZOgR92VuOcnPbYEsUIQY7t4iTALZf8rUxgif4HttjPb4/'}} |
| 0:01:15.992194 | LOG | Server --------------------> DUT |
| 0:01:15.992194 | LOG | TX\_ACK: 02 cf84 05 aa555a0000240409 |
| 0:01:20.853262 | LOG | PUSH\_ACK: 02 10fd 01 |
| 0:01:20.855359 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10fd, Identifier = 00, JSON = {'rxpk': [{'tmst': 493858085, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AJgDgAjw8ZCn6'}]} |
| 0:01:20.855359 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0026, FOpts: ), FPort: e0, FRMPayload: 0015, MIC: 3c6429fa) |
| 0:01:20.855359 | LOG | Server <-------------------- DUT |
| 0:01:20.855359 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 001d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ac3d0f3b) |
| 0:01:20.855359 | LOG | PULL\_RESP: Protocol version = 02, Token = dc3f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 494858085, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AHQDgSZZwHwLBm3oovIWCAVxkFzjcsgIgkiwr0h0dZVoHQ0mFU3CXKFzXPKs3wAuXH0Yvl+vRRSJqHwBjVmCkdpd1JWJgME9fjGN6XnA4Zma+li2j/JtFNqZewPTNRNNsL1X2T1lZvhBQ8U+uUxrReC3Fg/DUPu0USjECSNJREnLKbSGxX5yQwijIcEEfHZjaxJeBPFKeGjiEdWjmHM4JOvNauQnIy/EaCNDza4/Kn2YymXcu5U3ocv4hVJrpjx5ZOI2SGNWizLsfRk6nNPf5Pijikh4Q1KlVKi3HoVrIUO8P8uauyECNIa/2RanPEQ7eDf0KLvusPQ87'}} |
| 0:01:20.855359 | LOG | Server --------------------> DUT |
| 0:01:20.855359 | LOG | TX\_ACK: 02 dc3f 05 aa555a0000240409 |
| 0:01:25.192325 | LOG | PULL\_DATA: 02 f5fe 02 aa555a0000240409 |
| 0:01:25.192325 | LOG | PULL\_ACK: 02 f5fe 04 |
| 0:01:25.689333 | LOG | PUSH\_ACK: 02 10fe 01 |
| 0:01:25.691376 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10fe, Identifier = 00, JSON = {'rxpk': [{'tmst': 498700645, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AJwDgL5w3lVh3'}]} |
| 0:01:25.691376 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0027, FOpts: ), FPort: e0, FRMPayload: 0016, MIC: 37955877) |
| 0:01:25.691376 | LOG | Server <-------------------- DUT |
| 0:01:25.691376 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 001e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ca8a5fbc) |
| 0:01:25.691376 | LOG | PULL\_RESP: Protocol version = 02, Token = 5854, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 499700645, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AHgDgmiuPVIF/49la8B/QucXH1HykSZooYrdbQd7MLSAglEEOItvYAiVA1LMamZ5vp5dKUUz3GAoGmHBX91XZbZ90S/g0IDdhK0/2D/sDsgsjXxVfnVlpSmLSdKQQCjnBz+Id4HP6nK2HZcXm/X8izfAXrPl+s714p8hUlcQjGIu8RbgnyfZ35H31lbdF47ksHe6aVIkDHbUkJdoYin45acv8qM7NszaCA/I3enS/tHhn3n+9Zt0+KFGYh8L+HkSMJpk9vOzvEhy1tXooflTxgFW6Lm6KbmQeJ2IVAGHxI/BEcg2wRckoKLkIiQlpNPuPy016DdPKil+8'}} |
| 0:01:25.691376 | LOG | Server --------------------> DUT |
| 0:01:25.691376 | LOG | TX\_ACK: 02 5854 05 aa555a0000240409 |
| 0:01:30.591248 | LOG | PUSH\_ACK: 02 10ff 01 |
| 0:01:30.591248 | LOG | PUSH\_DATA: Protocol version = 02, Token = 10ff, Identifier = 00, JSON = {'rxpk': [{'tmst': 503543117, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AKADgodLn41o8'}]} |
| 0:01:30.591248 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0028, FOpts: ), FPort: e0, FRMPayload: 0017, MIC: e7e35a3c) |
| 0:01:30.591248 | LOG | Server <-------------------- DUT |
| 0:01:30.591248 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 001f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a494cf11) |
| 0:01:30.591248 | LOG | PULL\_RESP: Protocol version = 02, Token = c4f7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 504543117, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AHwDg3NTH/3r40KSmmp1kHDXe144i1L3oQCfJKKUc20mViKtkqT4y8YiQs+/Z4nqpmWAwNOzMYfRwBaMKPNh10c2gW8HShMJjAIzHaj8DYRguphVg+pqyXLiGDzZD5uYEhvahLoWnkld4P7Oj4pC+PEfC7qA9yOlPW4HuGjTlCaFwumY6bHd4swCmS0qV/Jd5xLFBxrn7FMB3LfvfajKP+NYclUwzv5KtJvoyDcKLBp3C+ZrRD7TPow3QLOyN9SrjHK094kXsCc4l25i2sZxsduvVnUi8PrOKUgCO2O1xrEK2ThTCs3zIxRkUU8QFqyvtXBxvKXGklM8R'}} |
| 0:01:30.591248 | LOG | Server --------------------> DUT |
| 0:01:30.591248 | LOG | TX\_ACK: 02 c4f7 05 aa555a0000240409 |
| 0:01:35.281142 | LOG | PULL\_DATA: 02 52bc 02 aa555a0000240409 |
| 0:01:35.281142 | LOG | PULL\_ACK: 02 52bc 04 |
| 0:01:35.412829 | LOG | PUSH\_ACK: 02 1100 01 |
| 0:01:35.412873 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1100, Identifier = 00, JSON = {'rxpk': [{'tmst': 508385613, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AKQDgd/zme+4F'}, {'tmst': 508445157, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': -1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/7', 'lsnr': -11.0, 'rssi': -87, 'size': 116, 'data': 'HQMIrL1IowDqUamToypj1mX1tJJYQMxP6ea98BsQGiy3yaSGhMLStcZ9+BvnqXCpV4rFtHQB/YK8gjyrApueov+rAb9JF4oknLFALpJCjqgqp6DYMNOcuwVLyQIOuCqjXZnT5Re7uAFDTxDKdOQKBrhmZuY='}]} |
| 0:01:35.412873 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0029, FOpts: ), FPort: e0, FRMPayload: 0018, MIC: e67bee05) |
| 0:01:35.412873 | LOG | Server <-------------------- DUT |
| 0:01:35.412873 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0020, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 386fb529) |
| 0:01:35.412873 | LOG | PULL\_RESP: Protocol version = 02, Token = 34e6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 509385613, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AIADgQbh5gRM2iFtQFUg5TidkTrPUcldzKm86S8h2TPPswml4a2UEWpmvqvH9Zah7S10MzBbB2jc/lmUpD0NICOuAfbBXzQJHYca5hlciYk8KzQh2Yo5KoodnhAm7ekGAW0LcV+Bqa6EUMJ9NhHaS58wn+8zFgVmfLWoDmJXiLhrbDDj/3YNj2E+HYBunSbVgZd9OGu4IerxtuBIZgJCRsxjgyU+vsgFEP1vrtUhWkOoLi2fO8H/hGwDFCDqxf7SIckXB0npm+/Y2GJUYgq/tdgpimggo5lyelfoxrnH5dJPJqxr7cpBFPIgsLAzh4+TBJVAfpPA4b7Up'}} |
| 0:01:35.412873 | LOG | Server --------------------> DUT |
| 0:01:35.412873 | LOG | TX\_ACK: 02 34e6 05 aa555a0000240409 |
| 0:01:40.262541 | LOG | PUSH\_ACK: 02 1102 01 |
| 0:01:40.263539 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1102, Identifier = 00, JSON = {'rxpk': [{'tmst': 513268724, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AKgDgMSSCfduJ'}]} |
| 0:01:40.264536 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 002a, FOpts: ), FPort: e0, FRMPayload: 0019, MIC: 827ddb89) |
| 0:01:40.264536 | LOG | Server <-------------------- DUT |
| 0:01:40.265533 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0021, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 732050d8) |
| 0:01:40.266531 | LOG | PULL\_RESP: Protocol version = 02, Token = 6745, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 514268724, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AIQDgWqhCcrVvAx5f9CjAExp4+OULtaFmCjH/d47z5v+L3blSu3EURHNdSKBafTRc1TpH6jffzR4Zl/HMT77IxyiIjAyd8Bww+ahazcLD/7OhYzqN78iYScak651u6EbBT2Gw/HFnD02la5j6BpShvZ44XnXv6fzefjaRq4LUXgJVnBS5kXEqnovx9+K9qX77Yr6o1I1plyaxDUn19YTl9+sk+QIIzuMHituFwIE+vAZikKkvN2x0YcY0y9vIA0RldWFmhLFckd1N9C2x0FMH26BLvvPpqKPNPOSTtyp7SHSFdi0XWh34EwR9XOmDSd3MZ6Q7559zIFDY'}} |
| 0:01:40.266531 | LOG | Server --------------------> DUT |
| 0:01:40.267527 | LOG | TX\_ACK: 02 6745 05 aa555a0000240409 |
| 0:01:45.091044 | LOG | PUSH\_ACK: 02 1103 01 |
| 0:01:45.092034 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1103, Identifier = 00, JSON = {'rxpk': [{'tmst': 518111236, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AKwDgQYZUAwIG'}]} |
| 0:01:45.093033 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 002b, FOpts: ), FPort: e0, FRMPayload: 001a, MIC: 54030206) |
| 0:01:45.093033 | LOG | Server <-------------------- DUT |
| 0:01:45.094060 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0022, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c2811081) |
| 0:01:45.095057 | LOG | PULL\_RESP: Protocol version = 02, Token = 4b36, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 519111236, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AIgDgvb7UNcAKZ68fTeIg6EvS1k80DruQaT+Fq9PdzEr2ejWVvjLghTvEgb+dzySwtb8QiDeVqdpa5GFwKBJ3jnY8y9b2/Wnr/+5zKic8oLjm3QNBq+pZAyGeSAAZB7cc0w/zH2dZAyuZLUJi50M6cwMQAZ5AmtG2Go6e++xTqGZ0vWR753oaVHaMr+mGrHxI0CeztR5la5O52XSSnHLLYr7PjimOP9ykFn+UCF0LEG76kpZKDPPwJGa4HmKAJ0WvG45MUgXNFWvhqeJ+0XgLD0y9t14cS+B08PWklAb3wTxmVHEbFfiUzDs0Or5aGC/KN8QB6ITCgRCB'}} |
| 0:01:45.096025 | LOG | Server --------------------> DUT |
| 0:01:45.097054 | LOG | TX\_ACK: 02 4b36 05 aa555a0000240409 |
| 0:01:45.325133 | LOG | PULL\_DATA: 02 3db1 02 aa555a0000240409 |
| 0:01:45.326124 | LOG | PULL\_ACK: 02 3db1 04 |
| 0:01:49.954204 | LOG | PUSH\_ACK: 02 1104 01 |
| 0:01:49.955156 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1104, Identifier = 00, JSON = {'rxpk': [{'tmst': 522953740, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ALADgqoqY3Jtc'}]} |
| 0:01:49.956154 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 002c, FOpts: ), FPort: e0, FRMPayload: 001b, MIC: 98dc9b5c) |
| 0:01:49.956154 | LOG | Server <-------------------- DUT |
| 0:01:49.957158 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0023, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e607073a) |
| 0:01:49.958148 | LOG | PULL\_RESP: Protocol version = 02, Token = 8407, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 523953740, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AIwDgfnCWnH1M+akRtOznP9wXruAKuv1PVJph8JWRwWlDanR5k/l3PpVFihOauoVe4x1Tc9U3baBcAaj/FM3zKrbgX0jHz/M+4huwIrCZlsqoxrVZD38wHGc/y03elOihnmn9go8v1UbOmc+aH1ycCU8JDtT5Ktrp34+azzxrMknYMjLuX0M1bp5+CmsxfEa8dum0AIpxjBTPuMaFRyzI8INhkUstIl8QHgsn5rN1hypML27KFKsqR7xgVhqxA1oevEyyDI6QE+QKMdraxm/N/9kP/mZSXQ3fY6jnRiFmF1TsgyCjgYS+/i9gY5AlEcDcwD8Kwe7mBwc6'}} |
| 0:01:49.958148 | LOG | Server --------------------> DUT |
| 0:01:49.959145 | LOG | TX\_ACK: 02 8407 05 aa555a0000240409 |
| 0:01:53.290443 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:01:53.292492 | LOG | Previous uplink Frame type (FType): 110 |
| 0:01:54.792688 | LOG | PUSH\_ACK: 02 1106 01 |
| 0:01:54.794779 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1106, Identifier = 00, JSON = {'rxpk': [{'tmst': 527796322, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ALQDgruUHhs8D'}]} |
| 0:01:54.794779 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 002d, FOpts: ), FPort: e0, FRMPayload: 001c, MIC: 0786cf03) |
| 0:01:54.794779 | LOG | Server <-------------------- DUT |
| 0:01:54.794779 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0024, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 39d3e9fe) |
| 0:01:54.794779 | LOG | PULL\_RESP: Protocol version = 02, Token = 8120, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 528796322, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AJADgZAtbN/j+IL7mO7tqX8glv5k6Hm32XzSnRjUa9WNCeGKATEgcQhYvl5V7YZV5UbeIVjES6ywr4WC6aCaUChPsR1SEsBmPdPp3iBaipgK2LAOnliAQu0kxk9wPtZ6Pzuno8jHIS8TDpg7Rc9xIua/Ja8uQ6xE7ebmamAbYsKr6WgPDAb/cHWLSE/cW5JFPFrcFgV41mrdJ8GLqAsCpIVWGJlBCQ0qftvn5uK/Pp6HhOVR4on/6RxhPI6m2xmzdCXXmVZ+L4+4wQWbSOnEfM00H1dk+h1S3Dz7vH4rj7qMbPXFjeQz3/f8wIX2viNmQ0j2/WyU50+n+'}} |
| 0:01:54.794779 | LOG | Server --------------------> DUT |
| 0:01:54.794779 | LOG | TX\_ACK: 02 8120 05 aa555a0000240409 |
| 0:01:55.432776 | LOG | PULL\_DATA: 02 dc74 02 aa555a0000240409 |
| 0:01:55.432776 | LOG | PULL\_ACK: 02 dc74 04 |
| 0:01:59.673955 | LOG | PUSH\_ACK: 02 1107 01 |
| 0:01:59.673955 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1107, Identifier = 00, JSON = {'rxpk': [{'tmst': 532638802, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ALgDgNyz9WPBD'}]} |
| 0:01:59.673955 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 002e, FOpts: ), FPort: e0, FRMPayload: 001d, MIC: fd58f043) |
| 0:01:59.673955 | LOG | Server <-------------------- DUT |
| 0:01:59.673955 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0025, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9eaa9f49) |
| 0:01:59.673955 | LOG | PULL\_RESP: Protocol version = 02, Token = c16d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 533638802, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AJQDgzRvCvPG3TvC/r+Qv7rl4meDppKB07rdsdgdvgjF8HzTIFFYD+434IeYwA8iE1VLMyKUcXEjpSVFF+wdSArDvEllDEbj0XqBacS3NpZw11o34Ty2HDkoN/TqBdgl0pLxtA8pclXsAcFTb+0OhaciUhc49CYIvEGQ4rEljV0K+2voOo1RN3dxpd8u+03LDS79ml2RuGcPpfibxcw+N4jBt87xCxGqaP+1ltA39R7TnmljepZD7CtK0KBhhUYqCYiagpGemxTFskGlGZ+y/Ke/oE4h704zsq9dwzB0MnxPnu8ssOHRcbNPdxxMVicXwL04zH5Geqp9J'}} |
| 0:01:59.673955 | LOG | Server --------------------> DUT |
| 0:01:59.673955 | LOG | TX\_ACK: 02 c16d 05 aa555a0000240409 |
| 0:02:04.468124 | LOG | PUSH\_ACK: 02 1108 01 |
| 0:02:04.470183 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1108, Identifier = 00, JSON = {'rxpk': [{'tmst': 537481330, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ALwDg0oCImfYp'}]} |
| 0:02:04.470183 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 002f, FOpts: ), FPort: e0, FRMPayload: 001e, MIC: 8899f629) |
| 0:02:04.470183 | LOG | Server <-------------------- DUT |
| 0:02:04.470183 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0026, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 026a0f8c) |
| 0:02:04.470183 | LOG | PULL\_RESP: Protocol version = 02, Token = db8b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 538481330, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AJgDgWYihAi0hCQlng8XSZQsH1PzzIA3LN2DGxQzgMPsfHIGk0h65SDNwmC9z2TpmtSiaB9Kc380qkX7mFI9lSuuh2ommZmyCV+qKzTQAu3F6i2uO3plKjFjfmf9loLeL859K1WDKX3LrXHXjf2P/w5b7yq4zIlX8CNJ7QFnw54IVWfn8Prnvev5ryVw/RLwhn1kP2K9RegHsyD0Saz7eJtDjYTGdXN55CEsdDB5DHr7cGFVTfQ4xV5C1Qft6GSIacWCMLm3tlXOF9PJ16obvRpQNS0VEg4UDTY3LPkdU2vlBEDKUMb2oGF1yxDlSyjfz4njXrKICag+M'}} |
| 0:02:04.470183 | LOG | Server --------------------> DUT |
| 0:02:04.470183 | LOG | TX\_ACK: 02 db8b 05 aa555a0000240409 |
| 0:02:05.504393 | LOG | PULL\_DATA: 02 50fe 02 aa555a0000240409 |
| 0:02:05.504393 | LOG | PULL\_ACK: 02 50fe 04 |
| 0:02:09.326676 | LOG | PUSH\_ACK: 02 110a 01 |
| 0:02:09.326676 | LOG | PUSH\_DATA: Protocol version = 02, Token = 110a, Identifier = 00, JSON = {'rxpk': [{'tmst': 542323780, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AMADgjtXe2aeC'}]} |
| 0:02:09.326676 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0030, FOpts: ), FPort: e0, FRMPayload: 001f, MIC: ded9a782) |
| 0:02:09.326676 | LOG | Server <-------------------- DUT |
| 0:02:09.326676 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0027, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0d435f10) |
| 0:02:09.326676 | LOG | PULL\_RESP: Protocol version = 02, Token = 313a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 543323780, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AJwDgpqmG1ojAop19OWHJY9zqBdqJNrd/814x3qJq+CsvsWguTMfhMRuw/4Gr7BgIzgfuXGNHid3ZJ2OjcQWhnxapGKtzQuloXX98S56ApQ34t3qbAX5PB8Mc+1QWLVFcAINFdausjDXRlyvfYb1jLhpZ/kqbsD3ZWrNaDyk76w+RJipeypl+XJN05Y7jMyqBOOq1JT/eiypKNEWtjItZQUZEX6iXB0fY/AFXwn9i4LHnkzINa2F6o3QQn1qIEFj+gfeERHO8opiZSMRa4Exjc6LrTdxjHl+DvhZMv6/ot8bY42Rxq2J3OAdCcgbHI1wie248AmcNQ18Q'}} |
| 0:02:09.326676 | LOG | Server --------------------> DUT |
| 0:02:09.326676 | LOG | TX\_ACK: 02 313a 05 aa555a0000240409 |
| 0:02:14.181453 | LOG | PUSH\_ACK: 02 110b 01 |
| 0:02:14.183466 | LOG | PUSH\_DATA: Protocol version = 02, Token = 110b, Identifier = 00, JSON = {'rxpk': [{'tmst': 547166347, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AMQDg2O2XONvo'}]} |
| 0:02:14.183466 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0031, FOpts: ), FPort: e0, FRMPayload: 0020, MIC: 9738dbe8) |
| 0:02:14.183466 | LOG | Server <-------------------- DUT |
| 0:02:14.183466 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0028, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e779d333) |
| 0:02:14.183466 | LOG | PULL\_RESP: Protocol version = 02, Token = 7f60, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 548166347, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AKADgdYeEWomV007yILWdNTMATTZ+jaeDA0xxW+pHEsImhjHhAFXLnNpqU4iNL0bm8QIs1LhtPaJ1jeqN89HYRKwkNUmAq2l/x8fxwoMtOkwRcUDAkR8X2yFg8iuvuEKgoTSv+296qMCkpSmZ118dJ+DesOvK29raM0SdGioRZsOMs/6y8WBOfd76MRN1l5alRwFRFXosc06iWmGYItdRgU/JOsvDStncTioHmuOPtUv+Xo9sdghcVscx+FyPXJJcfW+42hVfpge522j0NaeeRUqDtdT8qUd17efpOVxUtB9FTLEDumvhHXogNFhbUewbeXxCZuDnedMz'}} |
| 0:02:14.183466 | LOG | Server --------------------> DUT |
| 0:02:14.183466 | LOG | TX\_ACK: 02 7f60 05 aa555a0000240409 |
| 0:02:15.641592 | LOG | PULL\_DATA: 02 a25c 02 aa555a0000240409 |
| 0:02:15.641592 | LOG | PULL\_ACK: 02 a25c 04 |
| 0:02:19.026610 | LOG | PUSH\_ACK: 02 110c 01 |
| 0:02:19.028625 | LOG | PUSH\_DATA: Protocol version = 02, Token = 110c, Identifier = 00, JSON = {'rxpk': [{'tmst': 552049578, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AMgDgFtADFDIZ'}]} |
| 0:02:19.028625 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0032, FOpts: ), FPort: e0, FRMPayload: 0021, MIC: 03143219) |
| 0:02:19.028625 | LOG | Server <-------------------- DUT |
| 0:02:19.028625 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0029, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0c140444) |
| 0:02:19.028625 | LOG | PULL\_RESP: Protocol version = 02, Token = 330f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 553049578, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AKQDgfeP4A/+WPDelax2qSHELyhAa4Y0N/k75m5rJ7xkjUe/PYtwpkJbvLL0tpT7ZWd2fYo/oGPC2MSUGo+CuycDTClXkMlhulz1C8D3REZzAHJm2fx81ycu6S0CGGFNj6GFfUqNmObyX2adske4VfVyBtWXcVIGYeCuJuxCIChOldsaGFVPLnEbncOuy55dgVEzUlJp1PPWam05l59O8UbIFL8pqjYGUrXT3XfYJ448YB6Z7weQ8TsgsBMu3swLXwxQCDYW2uXQx8qBNCJOvhUE/465icvXwhd1U99nylK2CfJSseGnEow1Vk9ar/WsXAWQGuSsMFARE'}} |
| 0:02:19.028625 | LOG | Server --------------------> DUT |
| 0:02:19.028625 | LOG | TX\_ACK: 02 330f 05 aa555a0000240409 |
| 0:02:23.905900 | LOG | PUSH\_ACK: 02 110d 01 |
| 0:02:23.905900 | LOG | PUSH\_DATA: Protocol version = 02, Token = 110d, Identifier = 00, JSON = {'rxpk': [{'tmst': 556892075, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AMwDgRSnH6gz0'}]} |
| 0:02:23.905900 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0033, FOpts: ), FPort: e0, FRMPayload: 0022, MIC: c7ea0cf4) |
| 0:02:23.905900 | LOG | Server <-------------------- DUT |
| 0:02:23.905900 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 002a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 39258e6b) |
| 0:02:23.905900 | LOG | PULL\_RESP: Protocol version = 02, Token = b763, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 557892075, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AKgDgFohGR/7F6H7a246ggNm5nhH4p7QUNkHQyoLjefgK1fggAjze3ltjHOKQOe1DyOQpbUa2lmj9UGDTrXx2MLHCdcR4AEM7sFepLs3OVKSq6lmGr3Kdc51EB+WK3ohUTs7dBNMxtycZ99dEuVe49icBCiWEAo6AuA9zy5MOPd6jmHTRIBh0cEo8t54cPhJ7HOJ7UzMtsX1qIuw/jcMhtZ6sioV2CiJOHo/n7JK3VkAak8sR4BqeVE8OJYW5k9jv9bXWLI2WlJ0urZ57SZ/wcIM/DINWUmLxv3izHllYKa1ZyWXyGZoVPM38v8ZrwMepno7NwLE5JY5r'}} |
| 0:02:23.905900 | LOG | Server --------------------> DUT |
| 0:02:23.905900 | LOG | TX\_ACK: 02 b763 05 aa555a0000240409 |
| 0:02:25.767091 | LOG | PULL\_DATA: 02 280a 02 aa555a0000240409 |
| 0:02:25.767091 | LOG | PULL\_ACK: 02 280a 04 |
| 0:02:28.783382 | LOG | PUSH\_ACK: 02 110e 01 |
| 0:02:28.783382 | LOG | PUSH\_DATA: Protocol version = 02, Token = 110e, Identifier = 00, JSON = {'rxpk': [{'tmst': 561734579, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ANADgIUiq5SpC'}]} |
| 0:02:28.784379 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0034, FOpts: ), FPort: e0, FRMPayload: 0023, MIC: aae52a42) |
| 0:02:28.784379 | LOG | Server <-------------------- DUT |
| 0:02:28.785376 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 002b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ad1df562) |
| 0:02:28.786373 | LOG | PULL\_RESP: Protocol version = 02, Token = d0ff, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 562734579, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AKwDgKu6imDkH7gCQQLTcm8nUDojROqUZYIg1uV+PgUW5869BftjFFsW3a0XrkKt3zzbUsisFu/Sk+y209o3nsvPbxxpl43JBS+djicSA/aXDUhVG45woWnYbCMP7Mx1bfzeFUhx36MQpnzA3biTgceZoBP76OOeNnHBlZaZ2SRBylo/Zws632+5DILkpZfJb5VBgcOFRK3ikZoF8prbqn1TXb8Qc3CsTXkGZZ/2hU9S2/qA5R/B6xv0bBxAukr1hg6CfYfxUmLQ5busGFatNDRFkeMsmhx+d4L9VOIwxekXRK8evY06pxGINTyHEn/94R+JBgOytHfVi'}} |
| 0:02:28.786373 | LOG | Server --------------------> DUT |
| 0:02:28.788373 | LOG | TX\_ACK: 02 d0ff 05 aa555a0000240409 |
| 0:02:33.570102 | LOG | PUSH\_ACK: 02 110f 01 |
| 0:02:33.571100 | LOG | PUSH\_DATA: Protocol version = 02, Token = 110f, Identifier = 00, JSON = {'rxpk': [{'tmst': 566577139, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6ANQDgpnqjmJSt'}]} |
| 0:02:33.572098 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0035, FOpts: ), FPort: e0, FRMPayload: 0024, MIC: a39894ad) |
| 0:02:33.572098 | LOG | Server <-------------------- DUT |
| 0:02:33.573126 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 002c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e7c0d8ae) |
| 0:02:33.574093 | LOG | PULL\_RESP: Protocol version = 02, Token = dd67, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 567577139, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ALADggZFZ0z5dTlfY06cXt+x2sHHReO/A4FvrOuS+1Hq2LbIB5t+BuKlw9KdvlRc1Y4hbE9iQBKnNZ+wqLnpT4vqXq34b86kVWUNULz8oPMYRayIKypapKg//KfoBcPa6BZixeY3mbADxQWuaXojgHnh/vEAZa3nB16ZkSWw8HDk/RmZMEZ20iBr14vZ/30IpfvINvLleu2ihYNORtTfVYzhu1BC/gG+XnWvKar34T0ZuRNF3tAr+DoAdjhBGXLIttAm4igy5cABPLnZFG8jePB+yh4VMMiDAkMaAgwnCq8Z9inFmpN06OQydMvF1PbxN0YLs/1LnwNiu'}} |
| 0:02:33.574093 | LOG | Server --------------------> DUT |
| 0:02:33.575105 | LOG | TX\_ACK: 02 dd67 05 aa555a0000240409 |
| 0:02:35.847433 | LOG | PULL\_DATA: 02 02ed 02 aa555a0000240409 |
| 0:02:35.848393 | LOG | PULL\_ACK: 02 02ed 04 |
| 0:02:38.465059 | LOG | PUSH\_ACK: 02 1111 01 |
| 0:02:38.466056 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1111, Identifier = 00, JSON = {'rxpk': [{'tmst': 571419844, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ANgDgE4XFHnEC'}]} |
| 0:02:38.466056 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0036, FOpts: ), FPort: e0, FRMPayload: 0025, MIC: c51e7102) |
| 0:02:38.467053 | LOG | Server <-------------------- DUT |
| 0:02:38.468051 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 002d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e22ec4fa) |
| 0:02:38.468051 | LOG | PULL\_RESP: Protocol version = 02, Token = 70ab, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 572419844, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ALQDg82QqmLapABJ4BxPexqw/Hn8ZOoGGC3hjMu52yrhORXqJ/xVSjZeWqCs0d/l1vSW0ywHAoMDFbdXBrRMJJJx+w5/Ab4XmejGumuXEkrXU37gWo8gCG/HNQ1mGs18Q2E0EN3tlL5MuTc84hm3MPQ89kWV3/t5dJrA9CcbYtW4zlbm/hKPKbAMOPvC9WeTFDla2uXZNfL9FHG9jPvl7J1KaAFCZg8h7gCwmVzrWPm8BnVm/D9rfBA/sxB2evBs8+j0KZdj4iEdUne0eqqYukIEjTY5IED9mDVele2H69Q9N5HpN8KzGg+1tJfgHD+P8Kv9MvyLiLsT6'}} |
| 0:02:38.469048 | LOG | Server --------------------> DUT |
| 0:02:38.470047 | LOG | TX\_ACK: 02 70ab 05 aa555a0000240409 |
| 0:02:43.305548 | LOG | PUSH\_ACK: 02 1112 01 |
| 0:02:43.305548 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1112, Identifier = 00, JSON = {'rxpk': [{'tmst': 576262349, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ANwDgc0boIlXB'}]} |
| 0:02:43.305548 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0037, FOpts: ), FPort: e0, FRMPayload: 0026, MIC: e82255c1) |
| 0:02:43.305548 | LOG | Server <-------------------- DUT |
| 0:02:43.305548 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 002e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 622b3489) |
| 0:02:43.305548 | LOG | PULL\_RESP: Protocol version = 02, Token = a6a2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 577262349, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ALgDg3I8Z4swmNwFlf3tNGnirh4bDMfrH9z26LRAYeFZSNEiGb6ZaTd9jzOXuQxYvzXA/EMOh950j6gGU4ArqZfPt3rhTF2Amx0IaduiXOlXDiKZaexpN5oBMGWza95WAbvvJbxYNFgGjY03lQcFX3gdiNot5Mt22qGbdcSTPA87fu4TS/mNzrlI0cclwhnBUo2bI7yvK/d9BU7aI0guWtZTyaD9df552y7JC3UcSqkU/hgx01R/SXwJydo7NFF/OC5sC6L9N22EtukZg/2IGhUiguQ6UX/adFWPJ6OKWFUuJ4J+EiWbUlj5SgqjuCmPqezMlPmBiKzSJ'}} |
| 0:02:43.305548 | LOG | Server --------------------> DUT |
| 0:02:43.305548 | LOG | TX\_ACK: 02 a6a2 05 aa555a0000240409 |
| 0:02:45.976068 | LOG | PULL\_DATA: 02 a641 02 aa555a0000240409 |
| 0:02:45.976068 | LOG | PULL\_ACK: 02 a641 04 |
| 0:02:48.107493 | LOG | PUSH\_ACK: 02 1113 01 |
| 0:02:48.107493 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1113, Identifier = 00, JSON = {'rxpk': [{'tmst': 581104805, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AOADgZawducCZ'}]} |
| 0:02:48.107493 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0038, FOpts: ), FPort: e0, FRMPayload: 0027, MIC: 1db9c099) |
| 0:02:48.107493 | LOG | Server <-------------------- DUT |
| 0:02:48.107493 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 002f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c2a41512) |
| 0:02:48.107493 | LOG | PULL\_RESP: Protocol version = 02, Token = bce1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 582104805, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ALwDgRKdlbpyMtLK5U0dYTVvt9D5nInU3D24MSjzYnuFzzir2PeOM7Nxiqh8crYdhBhNFRK8e1Ankr8+tCqZoOzQeUtkijOxx6IcvznBftefFqmOXmia2EDoUjYSACles4vA5KqzKxJdayqE3d+VXYAnk0YFTEzZXwqJiFGVzsI9/Z0cFY96i0IEv7ZRfTDLtZdWCnuG8N+tahr/xd9S7lglUqYlXV4vvcE8gD90qWNxUsJNAznEX8b+LLerbIVakPYClBUt0b03MZTUOgnHkmr0+15qS28Fs/oA7iRsG0ewM/uwVan4IvC+FQ+tg6YgmsRk21WbCpBUS'}} |
| 0:02:48.107493 | LOG | Server --------------------> DUT |
| 0:02:48.107493 | LOG | TX\_ACK: 02 bce1 05 aa555a0000240409 |
| 0:02:52.978234 | LOG | PUSH\_ACK: 02 1114 01 |
| 0:02:52.978234 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1114, Identifier = 00, JSON = {'rxpk': [{'tmst': 585947334, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AOQDg1pcBNem1'}]} |
| 0:02:52.978234 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0039, FOpts: ), FPort: e0, FRMPayload: 0028, MIC: 0135e9b5) |
| 0:02:52.978234 | LOG | Server <-------------------- DUT |
| 0:02:52.978234 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0030, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ad038351) |
| 0:02:52.978234 | LOG | PULL\_RESP: Protocol version = 02, Token = 7301, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 586947334, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AMADgTDCtCdtTUdIS16Q7lL8pOdtj9NYdFS3BAeqbCTrnpMCj1RX2OHkPV0WdgZY1Am6K5CLdsgc1xSaTv9h80TvZq0xWIcAlyYioOTLoOxt2mwYHmNHW2GFfd3wn4Ciy/72j+qoYsJpCfYyc4g6ivCBSKM8oboVFhbdcCUL3iYNkScsvAuvo2Q0NJT6bJQyCTeeZdwM3YhBd2bH0HUVgg0EpK3pukw77LNCg6hHr7eeIo0N6r+d//cwUbL4ZbmjSMNniPrxvGdculGMMkr0PVpXXqTlicQIZtJYvRGtIn3cePd6/Lu/WVngGqJ9ewmJvyC4E33atA4NR'}} |
| 0:02:52.978234 | LOG | Server --------------------> DUT |
| 0:02:52.986264 | LOG | TX\_ACK: 02 7301 05 aa555a0000240409 |
| 0:02:56.065199 | LOG | PULL\_DATA: 02 8b07 02 aa555a0000240409 |
| 0:02:56.065199 | LOG | PULL\_ACK: 02 8b07 04 |
| 0:02:57.861704 | LOG | PUSH\_ACK: 02 1115 01 |
| 0:02:57.861704 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1115, Identifier = 00, JSON = {'rxpk': [{'tmst': 590830408, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AOgDgPkYcgiSK'}]} |
| 0:02:57.861704 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 003a, FOpts: ), FPort: e0, FRMPayload: 0029, MIC: 1c82248a) |
| 0:02:57.861704 | LOG | Server <-------------------- DUT |
| 0:02:57.861704 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0031, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: eb20b322) |
| 0:02:57.861704 | LOG | PULL\_RESP: Protocol version = 02, Token = 5fe3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 591830408, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AMQDgYS+KwWBrBWqa5JoGRZxHAGHFyRgsQM9SUehsSJMz0D/lwOqaPwEBQwLitL5IOtwaxd2jh4NJMkpMbhSGxdYakbPz6Y8Sre8h72MWuD9BbAGP7KYnOC+osK/fB2C2mnAvSRxPaMCyHpcjlXu3RzKFmmYfaj8utGyqAgQsGw0ZIea5dPvora2ZEJTzuXD6QRWYNcwavlZKyJKoL1jk6EOECpSCGTrc/wo4iS61OY+oAd0vwgSbH/AOssR1lqNVeKERU3CmX9f02GgrO6BILLOgk/2OFC4HRzyfGJ/boGCYmUCOVGzg1eIGuU/jjAiTH/Wz11rrILMi'}} |
| 0:02:57.861704 | LOG | Server --------------------> DUT |
| 0:02:57.861704 | LOG | TX\_ACK: 02 5fe3 05 aa555a0000240409 |
| 0:03:02.659706 | LOG | PUSH\_ACK: 02 1116 01 |
| 0:03:02.661250 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1116, Identifier = 00, JSON = {'rxpk': [{'tmst': 595672952, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AOwDgSHR0RNpL'}]} |
| 0:03:02.661250 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 003b, FOpts: ), FPort: e0, FRMPayload: 002a, MIC: 7444da4b) |
| 0:03:02.661250 | LOG | Server <-------------------- DUT |
| 0:03:02.661250 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0032, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c15ef307) |
| 0:03:02.661250 | LOG | PULL\_RESP: Protocol version = 02, Token = a27b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 596672952, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AMgDgQxuk9SNmqFQEBjIsOXUN6ZRsnJtSXKc/NBJfalZHGBcN7vqIIfxI7jb5D0AbGRzUl0DmNDN3VEbYenJ1CwlJBOY3T5iu7x01pwY1Dn2XIqCabAmdIZiZ4176DghvIEJNNv/i033PWJWJsdm9z5XvxwkmI1A3IDaIC3SBNDuiBejUZGH9QvHDwXByYKYEe3ctL5tHiaj0BX9E0HAH1bts9P3auO61+kPKpGz/5fq1RTtcyyLuv0nxk3wsRKgPS1HTxTwFWJIIoPwsFR+gThpr0nPfF7B3Rr7biKt7Yl27dqsVAd65IDX31qZ23fXAdQkgTKrBXvMH'}} |
| 0:03:02.661250 | LOG | Server --------------------> DUT |
| 0:03:02.661250 | LOG | TX\_ACK: 02 a27b 05 aa555a0000240409 |
| 0:03:06.179613 | LOG | PULL\_DATA: 02 79a6 02 aa555a0000240409 |
| 0:03:06.179613 | LOG | PULL\_ACK: 02 79a6 04 |
| 0:03:07.529512 | LOG | PUSH\_ACK: 02 1117 01 |
| 0:03:07.529512 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1117, Identifier = 00, JSON = {'rxpk': [{'tmst': 600515463, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6APADgUTvx2ItY'}]} |
| 0:03:07.529512 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 003c, FOpts: ), FPort: e0, FRMPayload: 002b, MIC: f1d88b58) |
| 0:03:07.529512 | LOG | Server <-------------------- DUT |
| 0:03:07.529512 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0033, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5e4ecccc) |
| 0:03:07.529512 | LOG | PULL\_RESP: Protocol version = 02, Token = 1c89, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 601515463, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AMwDgAGIIZ33iM3+zOokz8gdB9pbpIZIh6yLCjfY/36CIPb4UxU0LtKfWNxL3h/4tVrjZcua+rvqW/5eGgbkLsbIQlQTuiBUhAtbFWD4DCVqLU60ZTUKXRECOgn6JoVFLGtCogFHTKLGvYzvRKKH5axhNLClgnq+p8ZAiR75BUR5/u8K6GsvGPFzbYNQiy2QzWz/aiQ+SJtEbSJO0GWiAHGdhWHC+96f7hEn9w+wAOfi8VLwxq6kU42ptvEP4m0oFjGH/YWn4jrQq3m03I941D5FUTaNdkkaN6USHALPLO3OXfrCOAoUW025nCCWXcZuqPlgU27FeTszM'}} |
| 0:03:07.529512 | LOG | Server --------------------> DUT |
| 0:03:07.529512 | LOG | TX\_ACK: 02 1c89 05 aa555a0000240409 |
| 0:03:12.361879 | LOG | PUSH\_ACK: 02 1119 01 |
| 0:03:12.361879 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1119, Identifier = 00, JSON = {'rxpk': [{'tmst': 605358031, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6APQDghHT4yPDr'}]} |
| 0:03:12.361879 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 003d, FOpts: ), FPort: e0, FRMPayload: 002c, MIC: f8c8f0eb) |
| 0:03:12.361879 | LOG | Server <-------------------- DUT |
| 0:03:12.361879 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0034, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1eb0d3a6) |
| 0:03:12.361879 | LOG | PULL\_RESP: Protocol version = 02, Token = 7b6a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 606358031, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ANADgFyRHPzgHyxDLbqZ4J5VZ714oOoZEjDahiXtB07xA/5KETSeKSPgbnlRexxb+xS4ia9Z0Hc4yybLP2dodl5sxn1vAFD3Lwbrv76GhS0+udWzJuzQtZTb1DRssUm86Q6QkEzrenAI63WGRwbYBqE6tirTgeYl1gw8dq3JcUS8E11X2ShSVR/YZ17PqIXvHtBL1Oz13asBICHHVGJPlpcGNZWgHRzRgBHt4mZutnX8Xtu9uZAk2bxkoXvGcn09ObpWE3kNqYXBlcd5fmRo7a+kzAw1ry250g/6mbpWWjr0S43G7e3QHDFXhIdyztO+dvZTseQgesNOm'}} |
| 0:03:12.361879 | LOG | Server --------------------> DUT |
| 0:03:12.361879 | LOG | TX\_ACK: 02 7b6a 05 aa555a0000240409 |
| 0:03:16.269244 | LOG | PULL\_DATA: 02 05e5 02 aa555a0000240409 |
| 0:03:16.269244 | LOG | PULL\_ACK: 02 05e5 04 |
| 0:03:17.197598 | LOG | PUSH\_ACK: 02 111a 01 |
| 0:03:17.197598 | LOG | PUSH\_DATA: Protocol version = 02, Token = 111a, Identifier = 00, JSON = {'rxpk': [{'tmst': 610200543, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6APgDgZKpSKLiM'}]} |
| 0:03:17.197598 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 003e, FOpts: ), FPort: e0, FRMPayload: 002d, MIC: 5228b88c) |
| 0:03:17.197598 | LOG | Server <-------------------- DUT |
| 0:03:17.197598 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0035, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a7c72b66) |
| 0:03:17.197598 | LOG | PULL\_RESP: Protocol version = 02, Token = 4398, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 611200543, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ANQDgrIVdoZqbWACMd1DbAuV7k0uBUwmbpcQIbymd9GonjYz8iSA2GFLtaxbAYSXNctifw15uWu62abxqWIckQyPdiLtSP187pBK5W7mk9mwEMP2YdDiJZdQn2Btdo0BsULmcMLVKCeSgyGDzmEGgTdDeNz7fo8vF76I20jOSRQoIjSdDJ/D3yIDGvBek7aqkdTSWM9ElS03zKv04NsU5uTipoSyvC9WG4SD6xMgXy48BgpZaP2nsWK6w1iVlR5ewRBcTbsxwpcoFptTTLBgtWk4aXUOeZU40S02Beoz9w0akxIicmh8XhBNob9k1rd6Sapd1u4Knxytm'}} |
| 0:03:17.197598 | LOG | Server --------------------> DUT |
| 0:03:17.197598 | LOG | TX\_ACK: 02 4398 05 aa555a0000240409 |
| 0:03:22.058735 | LOG | PUSH\_ACK: 02 111b 01 |
| 0:03:22.058735 | LOG | PUSH\_DATA: Protocol version = 02, Token = 111b, Identifier = 00, JSON = {'rxpk': [{'tmst': 615043159, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6APwDgrOPsJNx2'}]} |
| 0:03:22.058735 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 003f, FOpts: ), FPort: e0, FRMPayload: 002e, MIC: ec24dc76) |
| 0:03:22.058735 | LOG | Server <-------------------- DUT |
| 0:03:22.058735 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0036, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1a4be384) |
| 0:03:22.058735 | LOG | PULL\_RESP: Protocol version = 02, Token = 473e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 616043159, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ANgDgWxbVK13pNQxvs8MC9YBfFqcuT/vhdTOoShMlxqmaxKmzHKQnHY9BRrqccTueTMVCRpR0/6p2UGeuq6rdbmMr5JRoAVu2Wx8on5cJEpVdn0PlGYx3uZuhXuKSm1pEoD2AmghvaLcIyAmQbFna3J5LQBN7Hec/dS4MOW75YL59yKE2MeFxp4SCL3mcqh1VMf69HojnZw6CQeXc+sAn2Dk4NTAyIRErXnwO7A6m4psT3h3BH/2mq19pRdSa37812xl/5oQc0IvIIj798ELiZAFAcHOXf2HIO47BpO6iRh8gpOw+RvqIMb84Yn2XDTM9zOPycrYaS+OE'}} |
| 0:03:22.058735 | LOG | Server --------------------> DUT |
| 0:03:22.058735 | LOG | TX\_ACK: 02 473e 05 aa555a0000240409 |
| 0:03:26.382046 | LOG | PULL\_DATA: 02 4167 02 aa555a0000240409 |
| 0:03:26.382046 | LOG | PULL\_ACK: 02 4167 04 |
| 0:03:26.910762 | LOG | PUSH\_ACK: 02 111c 01 |
| 0:03:26.910762 | LOG | PUSH\_DATA: Protocol version = 02, Token = 111c, Identifier = 00, JSON = {'rxpk': [{'tmst': 619885846, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AQADgJcsiycLC'}]} |
| 0:03:26.910762 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0040, FOpts: ), FPort: e0, FRMPayload: 002f, MIC: 22c9c2c2) |
| 0:03:26.910762 | LOG | Server <-------------------- DUT |
| 0:03:26.910762 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0037, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e3f6f5b0) |
| 0:03:26.910762 | LOG | PULL\_RESP: Protocol version = 02, Token = 79a1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 620885846, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ANwDgtlmEzsBi2kakgtmP5fcZpZiaQrAvGsNMZx23605g6+0EW730yztNNuhTg4dNIa130sb3iStw6D1/D+yZ7do6th9RqWsEiRO+X1Sf7dZQkXcGOZ1ePwUsMWJ2DuCj6jceXm8XVvHRz7q7e2JzEU8o3LX+b1CxUyT7qyNVK1NbrwbxRT4VRFVHkjazhMNNT3AHte8+PJzdg4aTIf2AY5g/qFs3F1fk7ToFzrZxppkk2qGQ8VFjJiO0lvwf80Niwbuhlk38zfXuPI4jnj+nHcrA06dKnMJ5DhTKwkoGcynvlhoFln6duPWIdwscamRuqpRVhu7j9vWw'}} |
| 0:03:26.910762 | LOG | Server --------------------> DUT |
| 0:03:26.910762 | LOG | TX\_ACK: 02 79a1 05 aa555a0000240409 |
| 0:03:31.718720 | LOG | PUSH\_ACK: 02 111d 01 |
| 0:03:31.720735 | LOG | PUSH\_DATA: Protocol version = 02, Token = 111d, Identifier = 00, JSON = {'rxpk': [{'tmst': 624728413, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AQQDgarlEEGAY'}]} |
| 0:03:31.720735 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0041, FOpts: ), FPort: e0, FRMPayload: 0030, MIC: 44106018) |
| 0:03:31.720735 | LOG | Server <-------------------- DUT |
| 0:03:31.720735 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0038, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5dd60500) |
| 0:03:31.720735 | LOG | PULL\_RESP: Protocol version = 02, Token = 8f0b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 625728413, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AOADgUK6W/E+kdcXDSa3uEr5KqLnj0sFbXO9+OqC6kCT/r+On3aqq/NtaTLJjup0WxLResNGsfmnuzr/TQ4qIRyso7eJOQWWtsp78oPiKdOG/XUi42tgvUZG3nAtRBhiYh8rl9YHdxFFh9R9rlurnFa6kqrc0Vbnj+w8awfkHskdSs13wMutgaQ9l/jLRnHyJKwsVny2aAA699DYzz6AnhcY10ZAJICUQy/pWIurjy2uSeox91CKA06YVSZa2F8mVq04hDQ5zZ16oP/TrjwmI8a4lZHj6sNgLvxWHOUzv56p2fVNNL/anQdqb+5ODnPdUXnd5DtVd1gUA'}} |
| 0:03:31.720735 | LOG | Server --------------------> DUT |
| 0:03:31.720735 | LOG | TX\_ACK: 02 8f0b 05 aa555a0000240409 |
| 0:03:36.429602 | LOG | PULL\_DATA: 02 b14f 02 aa555a0000240409 |
| 0:03:36.429602 | LOG | PULL\_ACK: 02 b14f 04 |
| 0:03:36.579752 | LOG | PUSH\_ACK: 02 111e 01 |
| 0:03:36.581822 | LOG | PUSH\_DATA: Protocol version = 02, Token = 111e, Identifier = 00, JSON = {'rxpk': [{'tmst': 629611454, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AQgDgqHSX2ocj'}]} |
| 0:03:36.581822 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0042, FOpts: ), FPort: e0, FRMPayload: 0031, MIC: 97da8723) |
| 0:03:36.581822 | LOG | Server <-------------------- DUT |
| 0:03:36.581822 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0039, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 72706e26) |
| 0:03:36.581822 | LOG | PULL\_RESP: Protocol version = 02, Token = 0b9d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 630611454, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AOQDgo/AKzXMQMqOZhFH2wQQ81kolOSPGddpXgiJIpnEeEl74PpqcvyvUh6SREi7KjEAUDKcVlrmF9bT+s6MaWQP8TiYEqq8f8woVvVfrhV7RRIALsXgemHU4M9SFuzVmM1jxFKyaSjmUrbcBLhJ/I+lA+CbPzEfA2y0xsyyI9surPqBTBsTtVO6KOlyGHQSw4NVUj/MqPNswcnRwymv592R6bgxOgxsOmZzTw4xIIhjjbP5Ep8fzHHihmeDrJ1V12yeeWZS0Fc6+WZnBf7/7VH97/gRso7UT/oBz+pL7arhTz5q+RIybOG/3BazY24XE+pXNbZBycG4m'}} |
| 0:03:36.581822 | LOG | Server --------------------> DUT |
| 0:03:36.581822 | LOG | TX\_ACK: 02 0b9d 05 aa555a0000240409 |
| 0:03:41.445532 | LOG | PUSH\_ACK: 02 1120 01 |
| 0:03:41.447545 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1120, Identifier = 00, JSON = {'rxpk': [{'tmst': 634453951, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AQwDgRhbh4Axp'}]} |
| 0:03:41.447545 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0043, FOpts: ), FPort: e0, FRMPayload: 0032, MIC: e1e00c69) |
| 0:03:41.447545 | LOG | Server <-------------------- DUT |
| 0:03:41.447545 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 003a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ec093982) |
| 0:03:41.447545 | LOG | PULL\_RESP: Protocol version = 02, Token = 0378, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 635453951, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AOgDgcuzalGnSy3U0nZP7tw1/HHUK+3DcH2dV00FwAtsirFX1JXiIedvrrhu2CKhxEXkptU0cu/aoI5pKM4/G/Jg82UUwn6kSqn7Z8ZeI3Nk0djHF5/CsP8LBaVHmuKL3LJbU+BixG8XsSiCOFrKJvKfC9CS1w8ykLpFEcCKzyHVgAW/Wi6nYscYLWrMiVKGMd7FHeQzTy0QxETIy9f1SKEKUH+ctZfQxRlO5GHZTl3Bgt3c5KYZRUSioG7HPVmLKKalhlcqRsDRn36k8eGp8GGMan1LDyzJGFA7vaLTN5nhS5mPG2l53PD9GtUwD/UKv4FGEgGrsCTmC'}} |
| 0:03:41.447545 | LOG | Server --------------------> DUT |
| 0:03:41.447545 | LOG | TX\_ACK: 02 0378 05 aa555a0000240409 |
| 0:03:46.300632 | LOG | PUSH\_ACK: 02 1121 01 |
| 0:03:46.302696 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1121, Identifier = 00, JSON = {'rxpk': [{'tmst': 639296414, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ARADgDUrtwMjP'}]} |
| 0:03:46.302696 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0044, FOpts: ), FPort: e0, FRMPayload: 0033, MIC: edc0c8cf) |
| 0:03:46.302696 | LOG | Server <-------------------- DUT |
| 0:03:46.302696 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 003b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c9b7bd43) |
| 0:03:46.302696 | LOG | PULL\_RESP: Protocol version = 02, Token = 82fb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 640296414, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AOwDgl31EFF/eTOx5Ek4cNCSTniQWlL4+LvZQ+CFV0Qbmz99wzTHG38m38LXXEiw4PmhzAv6WzE71mdz2XQrDnX/OnzqluOlNPMmdgiD7rEEoE5rokKoDQtpSJ9UwpL5IgUnCS3N+Z2BCmvcEVwyl3QR9HpIXPDMGxAiv/D2Fc/uN/5Bs4xkItfTzowbHqsmUQDAasQhYtAiHyVyddZUDd9QyJ7plJPGoenxVZ4f6f1yx0rxH3uEJON+lqPbt4puHtkc2IGJQEvkNLKZqdumzluYyudsV7jh//O+pIYo/I8uvg168sr1YOfCy7f0yc9lj8LpI+hfJt71D'}} |
| 0:03:46.302696 | LOG | Server --------------------> DUT |
| 0:03:46.302696 | LOG | TX\_ACK: 02 82fb 05 aa555a0000240409 |
| 0:03:46.520935 | LOG | PULL\_DATA: 02 f4b5 02 aa555a0000240409 |
| 0:03:46.520935 | LOG | PULL\_ACK: 02 f4b5 04 |
| 0:03:51.186670 | LOG | PUSH\_ACK: 02 1122 01 |
| 0:03:51.186670 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1122, Identifier = 00, JSON = {'rxpk': [{'tmst': 644138982, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6ARQDgztMH4pMS'}]} |
| 0:03:51.186670 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0045, FOpts: ), FPort: e0, FRMPayload: 0034, MIC: 07e29312) |
| 0:03:51.186670 | LOG | Server <-------------------- DUT |
| 0:03:51.186670 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 003c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b8b55422) |
| 0:03:51.186670 | LOG | PULL\_RESP: Protocol version = 02, Token = 65bb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 645138982, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4APADgzUZ5PS1CDJ70MBT3MdVe5YRwo0uQzg7IGUpwAuEdOwE8Yht54OJfNJLIo0BZEvejXgDwad3MgcB+/tGfcrJn8jdMwJlfvpHJdKrrmPVVlV/RhYHBElK/sjKPv7V+3lJBBWuf8WtCStbMWyXqUW9ZrI2b+PHngkmVfBjpQ7N/gkTDMcaDl4c7hY1wBaxdOkpoFiBEpuo2DzJz/h4hjmZca+MoHBk81LnIwxwjNsIiu5atTO8kjd/txE3EamEKJ7Hupa144G9nLeXcy4VE+YfgMmNnuTutH9mHi1WI2na+yAVGC8O/F+7JHv+dVicMhkVIvcW4tVQi'}} |
| 0:03:51.186670 | LOG | Server --------------------> DUT |
| 0:03:51.186670 | LOG | TX\_ACK: 02 65bb 05 aa555a0000240409 |
| 0:03:56.002862 | LOG | PUSH\_ACK: 02 1123 01 |
| 0:03:56.004911 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1123, Identifier = 00, JSON = {'rxpk': [{'tmst': 648981693, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ARgDgZ2Zj78ks'}]} |
| 0:03:56.004911 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0046, FOpts: ), FPort: e0, FRMPayload: 0035, MIC: 63efc92c) |
| 0:03:56.004911 | LOG | Server <-------------------- DUT |
| 0:03:56.004911 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 003d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 920d3a1f) |
| 0:03:56.004911 | LOG | PULL\_RESP: Protocol version = 02, Token = cb70, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 649981693, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4APQDghdh+vISm4t2dyaW1WutdJdlq79ov4J3Jjan9wTcMGdYRQoxrRvCgbAUyfD1O7YJ/pgpNCIvN64R6hZQscCkzLkJFC6f3uotyhePrWhjjB0UVC+u7BMs/nnVyc5QIzCut1vkmm0gVXVtrR3K3A7bZIcrWKhC3fMqldRX6U682JyPYRp5Yf1WWatxh9L+Y980AFlI+Cn3ILyRt+s5dB5IEB+3YosNc7pVLFhi4Z4aHAK6/48RT/H8a1Ib/bYVOjajQYQWs4wLQgg4zI/ZRQlXELiHWgVa7pUkoOQzQo6Ng1SGRV12+F62DzA1mq8ZdseoGFuqSDTof'}} |
| 0:03:56.004911 | LOG | Server --------------------> DUT |
| 0:03:56.004911 | LOG | TX\_ACK: 02 cb70 05 aa555a0000240409 |
| 0:03:56.623082 | LOG | PULL\_DATA: 02 d211 02 aa555a0000240409 |
| 0:03:56.623082 | LOG | PULL\_ACK: 02 d211 04 |
| 0:04:00.841824 | LOG | PUSH\_ACK: 02 1124 01 |
| 0:04:00.843841 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1124, Identifier = 00, JSON = {'rxpk': [{'tmst': 653824203, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ARwDgt8BdPnDX'}]} |
| 0:04:00.843841 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0047, FOpts: ), FPort: e0, FRMPayload: 0036, MIC: 5d3e70d7) |
| 0:04:00.843841 | LOG | Server <-------------------- DUT |
| 0:04:00.843841 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 003e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e89d334e) |
| 0:04:00.843841 | LOG | PULL\_RESP: Protocol version = 02, Token = 57be, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 654824203, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4APgDgnR+pIUwxbq+Y1THLkpK80bZHIM+839S/FtiOXJQ5WzhceVilk5V/qlH/rOWbkQq7sAavOjv8jebcyTgX9jCmMJxg0vQWSYUPhX0H9ot2MFaZ0KXek9+FTX8LatrMGLtYhdLt+ZNGjxydNMCu+jMLjzxW/yTz7f/NCTM8Ksnyt3Q1GX28eFtYDMPppfPYKcBnVhqXZADkq9DJ6ohwR3UFJd/Jd0UW6baWjnXZ1/ay7Bj/qnd5quuaP4XiH2JFbjqb4AH4w/K69Z/4K4GUKM6bllVGR62jNK7xt617M2YjLpN6aXeBbtBzE6s/Laba59MJPsjonTNO'}} |
| 0:04:00.843841 | LOG | Server --------------------> DUT |
| 0:04:00.843841 | LOG | TX\_ACK: 02 57be 05 aa555a0000240409 |
| 0:04:05.694351 | LOG | PUSH\_ACK: 02 1125 01 |
| 0:04:05.696420 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1125, Identifier = 00, JSON = {'rxpk': [{'tmst': 658666717, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ASADgEoKJfAgu'}]} |
| 0:04:05.696420 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0048, FOpts: ), FPort: e0, FRMPayload: 0037, MIC: 897c082e) |
| 0:04:05.696420 | LOG | Server <-------------------- DUT |
| 0:04:05.696420 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 003f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 61577517) |
| 0:04:05.696420 | LOG | PULL\_RESP: Protocol version = 02, Token = c673, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 659666717, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4APwDgY8cMaJZHaB2oWnqjkMhyoo1UKo9nO7A2Uz4T3JHhZ3nlIHMz271Z5Debvx/4cptCfyTweGdrRV4eZgcGIHSuGx4HT2ytq1lzR0XtaxkB47cY2ti1/OqwAxmpWGHgt1/2aerjE6V5dglJ5p1QEldbBAllg6hQQDE4LnSUx0f5u5R+Rw2LZWVmcJeI7nr8N10ypEvHFUNglRUVE1a2GRcrr2WrbqN1x1d8ozUypU0fmhHVqfV58XfPvMIcQNr2QvsIaLTLF0h0kgH216gyqCiwl7j/LxK3GJYHSYbXYG5cuQhXT2brlk0NXIivU9iefirEIwVhV3UX'}} |
| 0:04:05.696420 | LOG | Server --------------------> DUT |
| 0:04:05.696420 | LOG | TX\_ACK: 02 c673 05 aa555a0000240409 |
| 0:04:06.734471 | LOG | PULL\_DATA: 02 81d2 02 aa555a0000240409 |
| 0:04:06.734471 | LOG | PULL\_ACK: 02 81d2 04 |
| 0:04:10.471734 | LOG | PUSH\_ACK: 02 1127 01 |
| 0:04:10.473747 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1127, Identifier = 00, JSON = {'rxpk': [{'tmst': 663509285, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6ASQDgH9n/2RBp'}]} |
| 0:04:10.473747 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0049, FOpts: ), FPort: e0, FRMPayload: 0038, MIC: ffd91069) |
| 0:04:10.473747 | LOG | Server <-------------------- DUT |
| 0:04:10.473747 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0040, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c83e8ba5) |
| 0:04:10.473747 | LOG | PULL\_RESP: Protocol version = 02, Token = efe6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 664509285, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AQADgUjR90DYu+b2GxoYY3DL5GCk1Rkzbjd3zAMighraRxA5Ssh9OFXv7CwZbFhpfDFVWr9sawPoVvGOn9o7KAF/uB4NoGACzSy7gJXcxoabh41CaF0cpefy/EHiqfw0iizFjb9mGIhLanuxZfLHFiXfciieQf+nOYljLeOyrl/uqbrWrQRzpu23SHvPb13mVH2t/jNhsDS0rQVChqyAEEJdlrNZ/7D1WmlV/xf5/b3d70aUfSldpJ3cG8OclQLbW5djU79w7oPGooQPW3AnE7fQN0pHyatfJ9SB1PUG8cadgIT610u0T8+ATznpiXD5k0OAFHz7IPoul'}} |
| 0:04:10.473747 | LOG | Server --------------------> DUT |
| 0:04:10.473747 | LOG | TX\_ACK: 02 efe6 05 aa555a0000240409 |
| 0:04:15.396803 | LOG | PUSH\_ACK: 02 1128 01 |
| 0:04:15.398864 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1128, Identifier = 00, JSON = {'rxpk': [{'tmst': 668392342, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ASgDgGLBgOIJx'}]} |
| 0:04:15.398864 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 004a, FOpts: ), FPort: e0, FRMPayload: 0039, MIC: 60388271) |
| 0:04:15.398864 | LOG | Server <-------------------- DUT |
| 0:04:15.398864 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0041, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4b66b208) |
| 0:04:15.398864 | LOG | PULL\_RESP: Protocol version = 02, Token = 9dc2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 669392342, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AQQDgTrYK31fv5PR9ZDG+T9nM30bg1+vN35CcuuS7sBA9lB7t7XhOM6WUGoIOd7MXHqDC6VZzw6mlCP9+VtIKhQbopbceomk8SYnVpeZNgntsGeBeLG53sXm0hMTIex4av/uV221sqfTj/BezSrvLFZl3MxFuhMhFQXjv0oaA8R4VMFlLBNCK2rWWPWZjMWoCarUVm88nrKukErFuRfdaBbWTEjrcrimB9wI6E70ey5OB+pQaqvRIC8ioAa/VILmIq095sCfdrtvJyLcd6gdaF7D8icImJB6yF4M8u6nJvjQbAWHGU5Psazk7teyFz2dW7Olwm8FLZrII'}} |
| 0:04:15.398864 | LOG | Server --------------------> DUT |
| 0:04:15.398864 | LOG | TX\_ACK: 02 9dc2 05 aa555a0000240409 |
| 0:04:16.837131 | LOG | PULL\_DATA: 02 6bad 02 aa555a0000240409 |
| 0:04:16.837131 | LOG | PULL\_ACK: 02 6bad 04 |
| 0:04:20.247968 | LOG | PUSH\_ACK: 02 1129 01 |
| 0:04:20.250031 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1129, Identifier = 00, JSON = {'rxpk': [{'tmst': 673234863, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ASwDgwY/HJaMc'}]} |
| 0:04:20.250031 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 004b, FOpts: ), FPort: e0, FRMPayload: 003a, MIC: c725a31c) |
| 0:04:20.250031 | LOG | Server <-------------------- DUT |
| 0:04:20.250031 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0042, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b9c795e1) |
| 0:04:20.250031 | LOG | PULL\_RESP: Protocol version = 02, Token = 7491, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 674234863, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AQgDgcvaRfJnjl/zxpNUB+6ZN5bDI6YN1vMR1ZWHErIE1Ble9+w7amO5+x8DXbb+nvyRHy4s5e9hfrrjhvnyyoLn+sYbaBx71dlTOEJtZMUnMIPvSlvPUh4lXTUxB5bdpqhTz0ACiCxj8y6HrYMzOtSr2RT+K8IZvjRpnfBSFaJE742UtDN6VCBCd/s+bhDYIekNKGbczUHTPmSQowP65cM3e04dwk/XBD8UOlJx6Vq5SIiOTC1Z6bXS1S4Ri8fp9S/MfAota+o9iJUGNJZgC5uWwd951vWH3GCy3LCsZAjYyLAMNfJVlTOleZhXRmvcsjIx4Q965x5Xh'}} |
| 0:04:20.250031 | LOG | Server --------------------> DUT |
| 0:04:20.250031 | LOG | TX\_ACK: 02 7491 05 aa555a0000240409 |
| 0:04:25.077266 | LOG | PUSH\_ACK: 02 112a 01 |
| 0:04:25.079370 | LOG | PUSH\_DATA: Protocol version = 02, Token = 112a, Identifier = 00, JSON = {'rxpk': [{'tmst': 678077384, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6ATADgq1CLKnW2'}]} |
| 0:04:25.079370 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 004c, FOpts: ), FPort: e0, FRMPayload: 003b, MIC: 8b2a75b6) |
| 0:04:25.079370 | LOG | Server <-------------------- DUT |
| 0:04:25.079370 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0043, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0cdc6ee2) |
| 0:04:25.079370 | LOG | PULL\_RESP: Protocol version = 02, Token = 90b1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 679077384, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AQwDgofZ8DsqzkQw4epTQTh9OnMv/Rt2C1uxGfu4QTlIBKZjNo7eDvar8lPOLb58hzOqfzUGdc/rirKHsiq2Clzf02R41M1YVqWf5KAnBta8VCHv1KJJqykQCzl/QcKbOSk5l2cd1QvS8rkYpF1qLJmFGS15b0qQ25o9df+N/O0xy6+pZXuutjGDjGpIBORHrRvoR3ZcU3nyrVQN8Bo+bJWWXD58gUiPjUuPzMuuEuCR9toUkj1TbbTvupparHfTuXhhyuopTMtTXXsjkpJTIvZvOoJbU3SF9YEZ2gR9k1ESrAXBHwy6MrIWMzpEYw9sseyidso8M3G7i'}} |
| 0:04:25.079370 | LOG | Server --------------------> DUT |
| 0:04:25.079370 | LOG | TX\_ACK: 02 90b1 05 aa555a0000240409 |
| 0:04:26.939042 | LOG | PULL\_DATA: 02 b46c 02 aa555a0000240409 |
| 0:04:26.939042 | LOG | PULL\_ACK: 02 b46c 04 |
| 0:04:29.928024 | LOG | PUSH\_ACK: 02 112b 01 |
| 0:04:29.930087 | LOG | PUSH\_DATA: Protocol version = 02, Token = 112b, Identifier = 00, JSON = {'rxpk': [{'tmst': 682920135, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 12.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ATQDgbAXhh33H'}]} |
| 0:04:29.930087 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 004d, FOpts: ), FPort: e0, FRMPayload: 003c, MIC: e1877dc7) |
| 0:04:29.930087 | LOG | Server <-------------------- DUT |
| 0:04:29.930087 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0044, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 894d6738) |
| 0:04:29.930087 | LOG | PULL\_RESP: Protocol version = 02, Token = 6d92, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 683920135, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ARADg+fSB+cwCZYlSOwn+Ex+x4uwAU8RGukSIWjy0dFGJbat3KOvvuksd2uGLkWJDVg9gB7qzHC3Qj+8HXO4mJvOvt2RcepP9OtKcvSKFougA7amopxy7vzB8LECmCCZb1IfrS4eMum95paJ4Rcg7w7pTipJtsxSMlLEWTzRkMLRXuqG/QDlfbPcGs1trRx5dnfAZdxt6y2CvMLnuo3Xwx4GPhRSNmDQv32yVbpzV5PIUsoaMCPTaLMkFaMzmeaRJep0qVtXH6Athwk/d6nHSE2euoT+GfzspR0hp02nuqDJn8TeJXf4u4+1QyumeLyAoH+8Yq2uJTWc4'}} |
| 0:04:29.930087 | LOG | Server --------------------> DUT |
| 0:04:29.930087 | LOG | TX\_ACK: 02 6d92 05 aa555a0000240409 |
| 0:04:34.810216 | LOG | PUSH\_ACK: 02 112c 01 |
| 0:04:34.810216 | LOG | PUSH\_DATA: Protocol version = 02, Token = 112c, Identifier = 00, JSON = {'rxpk': [{'tmst': 687762688, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -44, 'size': 15, 'data': 'QO++rd6ATgDgbabNkFcj'}]} |
| 0:04:34.810216 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 004e, FOpts: ), FPort: e0, FRMPayload: 003d, MIC: cd905723) |
| 0:04:34.810216 | LOG | Server <-------------------- DUT |
| 0:04:34.810216 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0045, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 317f9623) |
| 0:04:34.810216 | LOG | PULL\_RESP: Protocol version = 02, Token = 3896, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 688762688, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ARQDgNgmh23hfRWXJLFHNu7Gte/EDnfSJ7PGj3GkqF9iMHmzr5pbbvT1uTWauStUXSTVHY9duw9JLZzxitlAskCTGoNGKrWH8v6lXXosa/x2U685gOVrPBqcnC2pdKW7F+NBCwpLGWaa97C74mlE61vm+8M2vj/QJIkPPZsp114OAG/upnFpVeEOuUsg9hiZObzhSrLTj+wvAHaGhtdPR7xAwCgYtK9886NF3kflh5Qk68XUfJyckeys1L5CW7MoNSsqi3JNxNauLyO4heHZeZ/8fVFF1a4SeRqwzurQLtmlbtZatNgOPSQcUj34TZYHvKtu73YExf5Yj'}} |
| 0:04:34.810216 | LOG | Server --------------------> DUT |
| 0:04:34.810216 | LOG | TX\_ACK: 02 3896 05 aa555a0000240409 |
| 0:04:37.087155 | LOG | PULL\_DATA: 02 4b4d 02 aa555a0000240409 |
| 0:04:37.087155 | LOG | PULL\_ACK: 02 4b4d 04 |
| 0:04:39.600793 | LOG | PUSH\_ACK: 02 112e 01 |
| 0:04:39.602926 | LOG | PUSH\_DATA: Protocol version = 02, Token = 112e, Identifier = 00, JSON = {'rxpk': [{'tmst': 692605233, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6ATwDgldA5yLFT'}]} |
| 0:04:39.602926 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 004f, FOpts: ), FPort: e0, FRMPayload: 003e, MIC: 39c8b153) |
| 0:04:39.602926 | LOG | Server <-------------------- DUT |
| 0:04:39.602926 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0046, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3e922602) |
| 0:04:39.602926 | LOG | PULL\_RESP: Protocol version = 02, Token = a611, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 693605233, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ARgDgmuQ1lWPIvmWPM9zEEaO7NWYOGHBmJTyBclqtGVJmpnc+FTq/Zdlsth3eOjUKCM2/HXZ23AztcGSYaUrk2TadfqTxdGZGH59T2zt3aPWnj11PAsRHJnJ2Q233mSOktTibtiyC2qZ6Yy5onV8CZmuxqxaiNWKo0Qh/2k7huibr7j9LM1JACJwDB86TY2RxFyGSBGJ4JO37vF13NYpuoHiKNSor9WeUjPf43Qj3nzeSIa1req71x9IYhTWMjYyUcCC05B+NUjttY+2UTKjkEgw3n+4RXri5CUUvBY1T9P2cwFtA7e2XyPJz7fc/dkG9J7xIS28+kiYC'}} |
| 0:04:39.602926 | LOG | Server --------------------> DUT |
| 0:04:39.602926 | LOG | TX\_ACK: 02 a611 05 aa555a0000240409 |
| 0:04:44.421188 | LOG | PUSH\_ACK: 02 112f 01 |
| 0:04:44.421188 | LOG | PUSH\_DATA: Protocol version = 02, Token = 112f, Identifier = 00, JSON = {'rxpk': [{'tmst': 697447754, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AUADg2/3ao8YD'}]} |
| 0:04:44.421188 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0050, FOpts: ), FPort: e0, FRMPayload: 003f, MIC: daa3c603) |
| 0:04:44.421188 | LOG | Server <-------------------- DUT |
| 0:04:44.421188 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0047, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c42b7d33) |
| 0:04:44.421188 | LOG | PULL\_RESP: Protocol version = 02, Token = 95d3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 698447754, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ARwDgMlzxtMM+MhO1LGj97Hl0FkYrMJwKmRVu7O9xRMzNC8cdN0IkPtJRTf96dlAhkywxmER692wmIuWr09cYt9HJ/ZfTarWaFaS8E3WPRUT9Bq5eZVUa1MLdz8cnq7lteGNz9Q+G9gUeRl1kSglnryCTFQqTg/q5GI+rTik/teXq3aS+Cb7nVdFOm3wmjilWrQThqTH7r4IeRUdNHqITjMgX9GGUlnBLOcrC35fEakXwHmcfTzC+KWO6dpl+rQ+AcdJ9Rl/aeqCJH5S3vzmb4REqBBio6Q9pILNbOrqJENZTbiKOXR07DSXPTAjU11VWLlxjAz3EK30z'}} |
| 0:04:44.421188 | LOG | Server --------------------> DUT |
| 0:04:44.421188 | LOG | TX\_ACK: 02 95d3 05 aa555a0000240409 |
| 0:04:47.104002 | LOG | PULL\_DATA: 02 5a29 02 aa555a0000240409 |
| 0:04:47.104995 | LOG | PULL\_ACK: 02 5a29 04 |
| 0:04:49.318563 | LOG | PUSH\_ACK: 02 1130 01 |
| 0:04:49.318563 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1130, Identifier = 00, JSON = {'rxpk': [{'tmst': 702290354, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AUQDgp3bdA2sO'}]} |
| 0:04:49.318563 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0051, FOpts: ), FPort: e0, FRMPayload: 0040, MIC: dd036b0e) |
| 0:04:49.318563 | LOG | Server <-------------------- DUT |
| 0:04:49.318563 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0048, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 836d611c) |
| 0:04:49.318563 | LOG | PULL\_RESP: Protocol version = 02, Token = 27c7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 703290354, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ASADgHycHoSLnO1O2+8yKoHDBQJoTgBfXab+6GoFlQpzU93bwRNZ2MymrdgEaBxq+9aihd0EUUNYOcplY0EzIkQ/52nR+z/t4ZLbE8aWRghLHM04KTVibRp/PfOOJA0f9CskUdfk946Uz5YyhhEfnBEPaxvcIwt2JoMwtRUZqE60PDDYCnUncq8jQn+BFTb6WiG5MJvNtzeJUR/QO/zwtHktZtQpgtCAxl63Ku0dHHb8UCUzSfddGB35LqMe8uoqsCnVXhSaUX+dj5xeIH5N+ZzUxxFb/eBluBIFPM4C09ZfZgezVEUCu2NUygae+z/rUudEWQ9mDbWEc'}} |
| 0:04:49.318563 | LOG | Server --------------------> DUT |
| 0:04:49.318563 | LOG | TX\_ACK: 02 27c7 05 aa555a0000240409 |
| 0:04:54.190881 | LOG | PUSH\_ACK: 02 1131 01 |
| 0:04:54.190881 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1131, Identifier = 00, JSON = {'rxpk': [{'tmst': 707173435, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 12.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AUgDg/GK2kC+H'}]} |
| 0:04:54.190881 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0052, FOpts: ), FPort: e0, FRMPayload: 0041, MIC: b6902f87) |
| 0:04:54.190881 | LOG | Server <-------------------- DUT |
| 0:04:54.190881 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0049, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 87ec4d81) |
| 0:04:54.190881 | LOG | PULL\_RESP: Protocol version = 02, Token = 5d44, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 708173435, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ASQDg4uHtkAAUHIvQwqdlT4A+TghkKIr+jc5+bFLFjD6m9OWPiZ08zo+UQnMQF9RqogrNZcD6xW/oz7JUIONRR8TLYOYOvyfxGiGvV5zGetTiHw05FEYUjCgP1viImgp5JYlQ7tGRYIY/fg/cLy53RNLxVqX0h5CCdWeZRLDCgqN+J2zQro+PbfPrOS8r0jgCZMhWuiuv/5CVklj7g7ACZwQFNxybHb256F8382PpO+Gij9zvgEaBu8zDJrU22i/SMUI3cgqCEtIvDok/rglupIL1rEkhqx8JJvxeasWz3fuzsOuACpT4ftgwCfAqmQtvCCv4UsSH7E2B'}} |
| 0:04:54.190881 | LOG | Server --------------------> DUT |
| 0:04:54.190881 | LOG | TX\_ACK: 02 5d44 05 aa555a0000240409 |
| 0:04:57.299278 | LOG | PULL\_DATA: 02 47fb 02 aa555a0000240409 |
| 0:04:57.299278 | LOG | PULL\_ACK: 02 47fb 04 |
| 0:04:59.041625 | LOG | PUSH\_ACK: 02 1132 01 |
| 0:04:59.043667 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1132, Identifier = 00, JSON = {'rxpk': [{'tmst': 712016028, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AUwDg+rqOsWzk'}]} |
| 0:04:59.043667 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0053, FOpts: ), FPort: e0, FRMPayload: 0042, MIC: 8eb16ce4) |
| 0:04:59.043667 | LOG | Server <-------------------- DUT |
| 0:04:59.043667 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 004a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 49a2635f) |
| 0:04:59.043667 | LOG | PULL\_RESP: Protocol version = 02, Token = d36c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 713016028, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ASgDgnPFVNV1NF03ECANtIPmbMrEm1oNj7pJraigBDOgYYQNoNro4WxL8Tb1rvdoO3jsqBL1TtOs3It4HOBKr9oB91y1ukSNYxEBCOiHIw87jpylXqPWsHJhpv8aboOwrXGZQHEMEuHUyF83msazoMpL+MOFXy0ZJfqIAc70LFzDuZUzrlajiUcypzVN147rFdWvil9LGBysPfkCy7dYehmymUIvaObf/zrrSFDwxjOWIOCzl/4AeRrnviTxbNWmPknEbIFKxbyf1+7VCiv/WULqOV4mBbLBjJ08W5PmXP9cw1mWciTSfZYh7avAz7y10uEKjwmNJomNf'}} |
| 0:04:59.043667 | LOG | Server --------------------> DUT |
| 0:04:59.043667 | LOG | TX\_ACK: 02 d36c 05 aa555a0000240409 |
| 0:05:03.858574 | LOG | PUSH\_ACK: 02 1133 01 |
| 0:05:03.858574 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1133, Identifier = 00, JSON = {'rxpk': [{'tmst': 716858602, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AVADgSSm8tNT2'}]} |
| 0:05:03.858574 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0054, FOpts: ), FPort: e0, FRMPayload: 0043, MIC: bcb4d4f6) |
| 0:05:03.858574 | LOG | Server <-------------------- DUT |
| 0:05:03.858574 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 004b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b9901a67) |
| 0:05:03.858574 | LOG | PULL\_RESP: Protocol version = 02, Token = 8fcb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 717858602, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ASwDg/UjNfQQDlIQT3qlbrAEN/0+k7IuV6jOUKWQv7YkC9eBSWOjY13+tcoK7qwW4Bc26P0C8tU6c0zxzAwbiCV1qgwyTFaOFllWxsZ6xnWVKslKRQawqV8+YoWOAegrYPvNRl3nYVKSLfMNcOF/Z7nw1GoDCVj5ULss5ANXRRstTRCnlNnwwxCYuVvw7llfznyA1c8E+2dIKGEI55/F7h06CBhCtAJijFctvBNVLOTfMdECDjq3ySjLmhgSm6Kv9ZjChUGLCCrgpM+bslgzGwDWkiIbA76F31AividgC6AiS2Fpr5KCmWwvjSWRRvCRIvXdBmA25kBpn'}} |
| 0:05:03.858574 | LOG | Server --------------------> DUT |
| 0:05:03.858574 | LOG | TX\_ACK: 02 8fcb 05 aa555a0000240409 |
| 0:05:07.414983 | LOG | PULL\_DATA: 02 a583 02 aa555a0000240409 |
| 0:05:07.415980 | LOG | PULL\_ACK: 02 a583 04 |
| 0:05:08.800143 | LOG | PUSH\_ACK: 02 1135 01 |
| 0:05:08.801173 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1135, Identifier = 00, JSON = {'rxpk': [{'tmst': 721701154, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AVQDggpcyPz8e'}]} |
| 0:05:08.801173 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0055, FOpts: ), FPort: e0, FRMPayload: 0044, MIC: 323f3f1e) |
| 0:05:08.802138 | LOG | Server <-------------------- DUT |
| 0:05:08.803134 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 004c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fd14e055) |
| 0:05:08.804131 | LOG | PULL\_RESP: Protocol version = 02, Token = 300d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 722701154, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ATADgOdM8lU0WAVZyU3OD1v2qOI5R2VEiXP1T30GsfHpR9FaW8+uL4TmT4zuPQ2u+sXDfqrPdSBGoIBdDQPtWztdsMgXaAe/oJnU5CYr0hIxFh97AbkzidcD3MKJs5bPFF1y3RD7oFG0jlDMeBzSgBD201lmQUj+YEJbyDDO9TAjlxBGMSASqN4rml1AcLeEoVLRp/ijmPtHHilUIliVy5/NBALCu/ESv/FGa7Bunm/7ol3ybFq8iGySxYoyvErezmyZEqSDy0fniX5z+uR/x8Z/Y/TqA8nGjrNCq29m7sw/Rbkb45xY31lwa9K2q0vAOhFMf0K/9FOBV'}} |
| 0:05:08.804131 | LOG | Server --------------------> DUT |
| 0:05:08.805129 | LOG | TX\_ACK: 02 300d 05 aa555a0000240409 |
| 0:05:13.517251 | LOG | PUSH\_ACK: 02 1136 01 |
| 0:05:13.518248 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1136, Identifier = 00, JSON = {'rxpk': [{'tmst': 726543753, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AVgDgR+fUMvXy'}]} |
| 0:05:13.519246 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0056, FOpts: ), FPort: e0, FRMPayload: 0045, MIC: d432f5f2) |
| 0:05:13.519246 | LOG | Server <-------------------- DUT |
| 0:05:13.520275 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 004d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 120dec2f) |
| 0:05:13.521274 | LOG | PULL\_RESP: Protocol version = 02, Token = 333c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 727543753, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ATQDgDJg9QpGZt7TIVW+SwHSz8gz713VcvWZB8uy1d7DjZwAhi+J/TMNhvB4j+jamveS6cC9LIP2vdH9fdSLX51SwB0mDXeiR2MFNaO1wnrnCb1f/mQtywhxIE3ueI/5EbiGqP+uq4Z+uUIOV7s3yTAct/ExcALsgy6GqIw4qHE9iVtDDOtv15yIV84zzMqcO8xbtpjdP2I/1rcos8yRZbfzQsMQCGqUfsStihfAHQOJTb/AWr/T4ONZ+dA5qjODbTaBrd3IdhuD93KASwhVv+KSe8tqtOhNuImUMZRwqElmyT73M8zgGCP7Nqzn28yLPDf0hHBgSDewv'}} |
| 0:05:13.521274 | LOG | Server --------------------> DUT |
| 0:05:13.522239 | LOG | TX\_ACK: 02 333c 05 aa555a0000240409 |
| 0:05:17.624470 | LOG | PULL\_DATA: 02 c714 02 aa555a0000240409 |
| 0:05:17.624470 | LOG | PULL\_ACK: 02 c714 04 |
| 0:05:18.414421 | LOG | PUSH\_ACK: 02 1137 01 |
| 0:05:18.414421 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1137, Identifier = 00, JSON = {'rxpk': [{'tmst': 731386290, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AVwDgaUljpu22'}]} |
| 0:05:18.414421 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0057, FOpts: ), FPort: e0, FRMPayload: 0046, MIC: 63a6edb6) |
| 0:05:18.414421 | LOG | Server <-------------------- DUT |
| 0:05:18.424422 | LOG | Number of downlinks: 60 |
| 0:05:18.424422 | LOG | Number of errors: 0 |
| 0:05:18.434421 | LOG | Packet Error Rate (%): 0.0 |
| 0:05:18.434421 | LOG | Packet error rate SF8BW125 process tested successfully |
| 0:05:18.434421 | LOG | End Test Step: Test packet error rate for RX1 window |
| 0:05:18.434421 | LOG | Partial Verdict: PASS |
| 0:05:18.434421 | LOG | ========================================================= |
| 0:05:18.444422 | LOG | ========================================================= |
| 0:05:18.444422 | LOG | Start Test Step: Test packet error rate for RX2 window |
| 0:05:18.454422 | LOG | Packet error rate (Unconfirmed) SF8BW125 process starts |
| 0:05:23.245558 | LOG | PUSH\_ACK: 02 1138 01 |
| 0:05:23.245558 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1138, Identifier = 00, JSON = {'rxpk': [{'tmst': 736228842, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AWADgUZg10oaw'}]} |
| 0:05:23.248713 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0058, FOpts: ), FPort: e0, FRMPayload: 0046, MIC: 35d286b0) |
| 0:05:23.248713 | LOG | Server <-------------------- DUT |
| 0:05:23.248713 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 004e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8ac3cc73) |
| 0:05:23.248713 | LOG | PULL\_RESP: Protocol version = 02, Token = a776, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 738228842, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4ATgDghCV5bsa+0G2ff5MQIuTBe8R94UDIKdVBbbL/h+Acg3usnYoZk2dxCOTjuW56Yqx7WwMoaTiKw8xz'}} |
| 0:05:23.248713 | LOG | Server --------------------> DUT |
| 0:05:23.248713 | LOG | TX\_ACK: 02 a776 05 aa555a0000240409 |
| 0:05:27.817420 | LOG | PULL\_DATA: 02 d2d6 02 aa555a0000240409 |
| 0:05:27.817420 | LOG | PULL\_ACK: 02 d2d6 04 |
| 0:05:28.047552 | LOG | PUSH\_ACK: 02 1139 01 |
| 0:05:28.047552 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1139, Identifier = 00, JSON = {'rxpk': [{'tmst': 741071402, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 12.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AWQDgY7yRGPV1'}]} |
| 0:05:28.047552 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0059, FOpts: ), FPort: e0, FRMPayload: 0047, MIC: 9118f575) |
| 0:05:28.047552 | LOG | Server <-------------------- DUT |
| 0:05:28.047552 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 004f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 77867bf1) |
| 0:05:28.047552 | LOG | PULL\_RESP: Protocol version = 02, Token = f3f6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 743071402, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4ATwDg3ay8zGZPV7/nczuHEixdZFbuDoOtWM7jbJwan0i2U9n4XTMfZVXY4SINmAmAY+OZVIMB6m93hnvx'}} |
| 0:05:28.047552 | LOG | Server --------------------> DUT |
| 0:05:28.047552 | LOG | TX\_ACK: 02 f3f6 05 aa555a0000240409 |
| 0:05:32.992959 | LOG | PUSH\_ACK: 02 113a 01 |
| 0:05:32.992959 | LOG | PUSH\_DATA: Protocol version = 02, Token = 113a, Identifier = 00, JSON = {'rxpk': [{'tmst': 745954604, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AWgDgA0JjUZxw'}]} |
| 0:05:32.992959 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 005a, FOpts: ), FPort: e0, FRMPayload: 0048, MIC: 63519c70) |
| 0:05:32.992959 | LOG | Server <-------------------- DUT |
| 0:05:32.992959 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0050, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4b99f74d) |
| 0:05:32.992959 | LOG | PULL\_RESP: Protocol version = 02, Token = 1c33, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 747954604, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AUADgX0su4Q/NAahQywwl2Wog03UoIM0cq0uYkC2maEUN+bTE8uPWmCCZlr6G2g/7xFr8vfjTNCJLmfdN'}} |
| 0:05:32.992959 | LOG | Server --------------------> DUT |
| 0:05:32.992959 | LOG | TX\_ACK: 02 1c33 05 aa555a0000240409 |
| 0:05:37.767449 | LOG | PUSH\_ACK: 02 113b 01 |
| 0:05:37.767449 | LOG | PUSH\_DATA: Protocol version = 02, Token = 113b, Identifier = 00, JSON = {'rxpk': [{'tmst': 750797172, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AWwDg8ijphe57'}]} |
| 0:05:37.767449 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 005b, FOpts: ), FPort: e0, FRMPayload: 0049, MIC: e985ee7b) |
| 0:05:37.767449 | LOG | Server <-------------------- DUT |
| 0:05:37.767449 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0051, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7722ef90) |
| 0:05:37.767449 | LOG | PULL\_RESP: Protocol version = 02, Token = c4cc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 752797172, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AUQDggQHhrZWEQdz+3mV//jVFU27sGMzwqXLYwR0aZ9RrZON4VhRPCYHZHDtTxa0KJ/2RFrarboB3Iu+Q'}} |
| 0:05:37.767449 | LOG | Server --------------------> DUT |
| 0:05:37.767449 | LOG | TX\_ACK: 02 c4cc 05 aa555a0000240409 |
| 0:05:37.987446 | LOG | PULL\_DATA: 02 84fa 02 aa555a0000240409 |
| 0:05:37.987446 | LOG | PULL\_ACK: 02 84fa 04 |
| 0:05:42.612260 | LOG | PUSH\_ACK: 02 113d 01 |
| 0:05:42.614293 | LOG | PUSH\_DATA: Protocol version = 02, Token = 113d, Identifier = 00, JSON = {'rxpk': [{'tmst': 755639653, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AXADg2S+u5L0F'}]} |
| 0:05:42.614293 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 005c, FOpts: ), FPort: e0, FRMPayload: 004a, MIC: aee4bd05) |
| 0:05:42.614293 | LOG | Server <-------------------- DUT |
| 0:05:42.614293 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0052, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 72932bc8) |
| 0:05:42.614293 | LOG | PULL\_RESP: Protocol version = 02, Token = e3dc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 757639653, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AUgDgmFXWTJ9sl4TIKaK9Y4hQV96CvGViXugbX9arrI2gOA0R1lT16CzP4/O2V8vaDTtTyXOKQNJykyvI'}} |
| 0:05:42.614293 | LOG | Server --------------------> DUT |
| 0:05:42.614293 | LOG | TX\_ACK: 02 e3dc 05 aa555a0000240409 |
| 0:05:47.483175 | LOG | PUSH\_ACK: 02 113e 01 |
| 0:05:47.485201 | LOG | PUSH\_DATA: Protocol version = 02, Token = 113e, Identifier = 00, JSON = {'rxpk': [{'tmst': 760482119, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -41, 'size': 15, 'data': 'QO++rd6AXQDgX05t8frQ'}]} |
| 0:05:47.485201 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 005d, FOpts: ), FPort: e0, FRMPayload: 004b, MIC: 6df1fad0) |
| 0:05:47.485201 | LOG | Server <-------------------- DUT |
| 0:05:47.485201 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0053, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e89c5777) |
| 0:05:47.485201 | LOG | PULL\_RESP: Protocol version = 02, Token = 4a93, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 762482119, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AUwDg8KjI8kyugjaKIIZ6WO+agWBWvB4WZcsyFiXB0eXq8w+8vq7JR/6YiRlTUqloz02ulxSLmYbonFd3'}} |
| 0:05:47.485201 | LOG | Server --------------------> DUT |
| 0:05:47.485201 | LOG | TX\_ACK: 02 4a93 05 aa555a0000240409 |
| 0:05:48.113206 | LOG | PULL\_DATA: 02 08b7 02 aa555a0000240409 |
| 0:05:48.113206 | LOG | PULL\_ACK: 02 08b7 04 |
| 0:05:52.323358 | LOG | PUSH\_ACK: 02 113f 01 |
| 0:05:52.323358 | LOG | PUSH\_DATA: Protocol version = 02, Token = 113f, Identifier = 00, JSON = {'rxpk': [{'tmst': 765324608, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -42, 'size': 15, 'data': 'QO++rd6AXgDg1xCqgtMi'}]} |
| 0:05:52.323358 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 005e, FOpts: ), FPort: e0, FRMPayload: 004c, MIC: aa82d322) |
| 0:05:52.323358 | LOG | Server <-------------------- DUT |
| 0:05:52.323358 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0054, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c79c837e) |
| 0:05:52.323358 | LOG | PULL\_RESP: Protocol version = 02, Token = a1b1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 767324608, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AVADguYskBAX7jvMPYJol6KoE6V6YPrXCMnikQVdh8ZNYoJ3TjhG9qWDmlT/Bi09uVAvAH0HqbIDHnIN+'}} |
| 0:05:52.323358 | LOG | Server --------------------> DUT |
| 0:05:52.323358 | LOG | TX\_ACK: 02 a1b1 05 aa555a0000240409 |
| 0:05:57.161563 | LOG | PUSH\_ACK: 02 1140 01 |
| 0:05:57.162560 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1140, Identifier = 00, JSON = {'rxpk': [{'tmst': 770167119, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AXwDgjJEMf3D2'}]} |
| 0:05:57.163558 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 005f, FOpts: ), FPort: e0, FRMPayload: 004d, MIC: 0c7f70f6) |
| 0:05:57.163558 | LOG | Server <-------------------- DUT |
| 0:05:57.164554 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0055, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c5b720ce) |
| 0:05:57.165552 | LOG | PULL\_RESP: Protocol version = 02, Token = b38e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 772167119, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AVQDgQvqh/HClasIukYM86i7CQdSpx6VudLuywx+3cLGcynCoNncY/AjfAWHAuICE75eSP9RhqITFtyDO'}} |
| 0:05:57.165552 | LOG | Server --------------------> DUT |
| 0:05:57.166551 | LOG | TX\_ACK: 02 b38e 05 aa555a0000240409 |
| 0:05:58.221923 | LOG | PULL\_DATA: 02 8f0a 02 aa555a0000240409 |
| 0:05:58.222887 | LOG | PULL\_ACK: 02 8f0a 04 |
| 0:06:02.004354 | LOG | PUSH\_ACK: 02 1141 01 |
| 0:06:02.005298 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1141, Identifier = 00, JSON = {'rxpk': [{'tmst': 775009623, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AYADgTT/gwmsA'}]} |
| 0:06:02.006296 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0060, FOpts: ), FPort: e0, FRMPayload: 004e, MIC: e0c26b00) |
| 0:06:02.006296 | LOG | Server <-------------------- DUT |
| 0:06:02.007293 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0056, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 93e6f9be) |
| 0:06:02.008290 | LOG | PULL\_RESP: Protocol version = 02, Token = 70e9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 777009623, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AVgDgPYz4CDFTDeY/dU/8Nuz9ZLOfs+fOurMTUidM2FY4pidlHoUf8xj8VO9oHhIrHIpwWBf2jUOT5vm+'}} |
| 0:06:02.008290 | LOG | Server --------------------> DUT |
| 0:06:02.009288 | LOG | TX\_ACK: 02 70e9 05 aa555a0000240409 |
| 0:06:06.856028 | LOG | PUSH\_ACK: 02 1142 01 |
| 0:06:06.857027 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1142, Identifier = 00, JSON = {'rxpk': [{'tmst': 779852116, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AYQDgaxFPsUjR'}]} |
| 0:06:06.858024 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0061, FOpts: ), FPort: e0, FRMPayload: 004f, MIC: 4fb148d1) |
| 0:06:06.858024 | LOG | Server <-------------------- DUT |
| 0:06:06.859046 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0057, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5e2d8cbe) |
| 0:06:06.860019 | LOG | PULL\_RESP: Protocol version = 02, Token = be59, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 781852116, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AVwDgCsXMUsJzTdVlfCm33n0OyWV64peRunEkJx3ELBKLZsFaJs/1bjQ+fPU81kZngo/RIgvOBiNeLYy+'}} |
| 0:06:06.860019 | LOG | Server --------------------> DUT |
| 0:06:06.861015 | LOG | TX\_ACK: 02 be59 05 aa555a0000240409 |
| 0:06:08.325538 | LOG | PULL\_DATA: 02 8488 02 aa555a0000240409 |
| 0:06:08.325538 | LOG | PULL\_ACK: 02 8488 04 |
| 0:06:11.711050 | LOG | PUSH\_ACK: 02 1144 01 |
| 0:06:11.713070 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1144, Identifier = 00, JSON = {'rxpk': [{'tmst': 784735310, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -41, 'size': 15, 'data': 'QO++rd6AYgDgLCfr19YI'}]} |
| 0:06:11.713070 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0062, FOpts: ), FPort: e0, FRMPayload: 0050, MIC: ebd7d608) |
| 0:06:11.713070 | LOG | Server <-------------------- DUT |
| 0:06:11.713070 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0058, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 53066fb7) |
| 0:06:11.713070 | LOG | PULL\_RESP: Protocol version = 02, Token = 8540, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 786735310, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AWADg5pA84Sgdh0fKdbmTwlqsCTLFZZ659N9thbeaOV5HiXP5YyP6keDctBrt2aFra4pf6pcG279TBm+3'}} |
| 0:06:11.713070 | LOG | Server --------------------> DUT |
| 0:06:11.713070 | LOG | TX\_ACK: 02 8540 05 aa555a0000240409 |
| 0:06:16.604607 | LOG | PUSH\_ACK: 02 1145 01 |
| 0:06:16.606686 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1145, Identifier = 00, JSON = {'rxpk': [{'tmst': 789577742, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AYwDgQKqwYCRl'}]} |
| 0:06:16.606686 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0063, FOpts: ), FPort: e0, FRMPayload: 0051, MIC: b0602465) |
| 0:06:16.606686 | LOG | Server <-------------------- DUT |
| 0:06:16.606686 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0059, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b0447c3c) |
| 0:06:16.606686 | LOG | PULL\_RESP: Protocol version = 02, Token = c84d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 791577742, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AWQDgghZJicEb9+I3G/at4k32FuWHa+isKImZrBfCP7t4uGvzR6jqBXL0DJhAHSaXQSXRLnMoxOewRHw8'}} |
| 0:06:16.606686 | LOG | Server --------------------> DUT |
| 0:06:16.606686 | LOG | TX\_ACK: 02 c84d 05 aa555a0000240409 |
| 0:06:18.485255 | LOG | PULL\_DATA: 02 96ce 02 aa555a0000240409 |
| 0:06:18.485255 | LOG | PULL\_ACK: 02 96ce 04 |
| 0:06:21.395492 | LOG | PUSH\_ACK: 02 1146 01 |
| 0:06:21.395492 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1146, Identifier = 00, JSON = {'rxpk': [{'tmst': 794420598, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AZADgkS25jNtc'}]} |
| 0:06:21.395492 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0064, FOpts: ), FPort: e0, FRMPayload: 0052, MIC: b98cdb5c) |
| 0:06:21.395492 | LOG | Server <-------------------- DUT |
| 0:06:21.395492 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 005a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1ab2a75c) |
| 0:06:21.395492 | LOG | PULL\_RESP: Protocol version = 02, Token = cb92, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 796420598, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AWgDgDOPR5ZzjxCNXZLr6IHrA7HvwwsYoumbOzdfqhe6rn6uf7oDm3hYg+4RWc+47FDEaX4qK48Masqdc'}} |
| 0:06:21.395492 | LOG | Server --------------------> DUT |
| 0:06:21.395492 | LOG | TX\_ACK: 02 cb92 05 aa555a0000240409 |
| 0:06:26.290334 | LOG | PUSH\_ACK: 02 1147 01 |
| 0:06:26.290334 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1147, Identifier = 00, JSON = {'rxpk': [{'tmst': 799263054, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AZQDgI4jsaf1G'}]} |
| 0:06:26.290334 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0065, FOpts: ), FPort: e0, FRMPayload: 0053, MIC: ec69fd46) |
| 0:06:26.290334 | LOG | Server <-------------------- DUT |
| 0:06:26.290334 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 005b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 019c2bb8) |
| 0:06:26.290334 | LOG | PULL\_RESP: Protocol version = 02, Token = 6797, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 801263054, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AWwDgJppKASbKsyXClAJE2stpmsARUWIHFwlkThs7sBUcu0/og8ld9bFIvHJqzAs9AQyKy9a9oLYBnCu4'}} |
| 0:06:26.290334 | LOG | Server --------------------> DUT |
| 0:06:26.290334 | LOG | TX\_ACK: 02 6797 05 aa555a0000240409 |
| 0:06:28.558928 | LOG | PULL\_DATA: 02 f349 02 aa555a0000240409 |
| 0:06:28.558928 | LOG | PULL\_ACK: 02 f349 04 |
| 0:06:31.088828 | LOG | PUSH\_ACK: 02 1148 01 |
| 0:06:31.088828 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1148, Identifier = 00, JSON = {'rxpk': [{'tmst': 804105478, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AZgDgoHqd8sb0'}]} |
| 0:06:31.088828 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0066, FOpts: ), FPort: e0, FRMPayload: 0054, MIC: 9df2c6f4) |
| 0:06:31.088828 | LOG | Server <-------------------- DUT |
| 0:06:31.088828 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 005c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4ddc0e31) |
| 0:06:31.088828 | LOG | PULL\_RESP: Protocol version = 02, Token = c938, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 806105478, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AXADgpaJ0VJD7oAgW0Bk9iIXypClOoyihlPB/YgRyQYqYTpahYFGzu0j/hrNdcGylZ8SSb/4m+9FN3A4x'}} |
| 0:06:31.088828 | LOG | Server --------------------> DUT |
| 0:06:31.088828 | LOG | TX\_ACK: 02 c938 05 aa555a0000240409 |
| 0:06:35.964739 | LOG | PUSH\_ACK: 02 1149 01 |
| 0:06:35.966760 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1149, Identifier = 00, JSON = {'rxpk': [{'tmst': 808948318, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AZwDgUAtCQS1H'}]} |
| 0:06:35.966760 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0067, FOpts: ), FPort: e0, FRMPayload: 0055, MIC: 42412d47) |
| 0:06:35.966760 | LOG | Server <-------------------- DUT |
| 0:06:35.966760 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 005d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 6c334b0e) |
| 0:06:35.966760 | LOG | PULL\_RESP: Protocol version = 02, Token = 78c3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 810948318, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AXQDgT3kXb35YdzXqmjgu+230s0DFro7sABzzAsWemiO49wQGxth1Z7ZRlccfi4qRlYBKAVry53xsM0sO'}} |
| 0:06:35.966760 | LOG | Server --------------------> DUT |
| 0:06:35.966760 | LOG | TX\_ACK: 02 78c3 05 aa555a0000240409 |
| 0:06:38.641443 | LOG | PULL\_DATA: 02 6373 02 aa555a0000240409 |
| 0:06:38.641443 | LOG | PULL\_ACK: 02 6373 04 |
| 0:06:40.753691 | LOG | PUSH\_ACK: 02 114b 01 |
| 0:06:40.755729 | LOG | PUSH\_DATA: Protocol version = 02, Token = 114b, Identifier = 00, JSON = {'rxpk': [{'tmst': 813790800, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -42, 'size': 15, 'data': 'QO++rd6AaADgzy2TnnUa'}]} |
| 0:06:40.755729 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0068, FOpts: ), FPort: e0, FRMPayload: 0056, MIC: 939e751a) |
| 0:06:40.755729 | LOG | Server <-------------------- DUT |
| 0:06:40.755729 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 005e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5e055c1e) |
| 0:06:40.755729 | LOG | PULL\_RESP: Protocol version = 02, Token = 5afe, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 815790800, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AXgDgxLL2yfuGgsAnQHNMf9LS0nLKWlYzl0PRDeUbc0W1m/8uSA/YYH3a90TQTv4lsTUpO1P/zFheBVwe'}} |
| 0:06:40.755729 | LOG | Server --------------------> DUT |
| 0:06:40.755729 | LOG | TX\_ACK: 02 5afe 05 aa555a0000240409 |
| 0:06:45.641047 | LOG | PUSH\_ACK: 02 114c 01 |
| 0:06:45.643064 | LOG | PUSH\_DATA: Protocol version = 02, Token = 114c, Identifier = 00, JSON = {'rxpk': [{'tmst': 818633226, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AaQDg7XTSsA9N'}]} |
| 0:06:45.643064 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0069, FOpts: ), FPort: e0, FRMPayload: 0057, MIC: d2b00f4d) |
| 0:06:45.643064 | LOG | Server <-------------------- DUT |
| 0:06:45.643064 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 005f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 89624ea0) |
| 0:06:45.643064 | LOG | PULL\_RESP: Protocol version = 02, Token = ee1a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 820633226, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AXwDgb+gxJfPRZkkHNDfQ1dYTDBGEJ3xJ6rFB6QDWGEcOSxmqvmY2w+RZvPem0mLG8TltweK9rY+JYk6g'}} |
| 0:06:45.643064 | LOG | Server --------------------> DUT |
| 0:06:45.643064 | LOG | TX\_ACK: 02 ee1a 05 aa555a0000240409 |
| 0:06:48.706469 | LOG | PULL\_DATA: 02 1fb1 02 aa555a0000240409 |
| 0:06:48.706469 | LOG | PULL\_ACK: 02 1fb1 04 |
| 0:06:50.496409 | LOG | PUSH\_ACK: 02 114d 01 |
| 0:06:50.496409 | LOG | PUSH\_DATA: Protocol version = 02, Token = 114d, Identifier = 00, JSON = {'rxpk': [{'tmst': 823516359, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AagDgAdVTZbUv'}]} |
| 0:06:50.496409 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 006a, FOpts: ), FPort: e0, FRMPayload: 0058, MIC: 5365b52f) |
| 0:06:50.496409 | LOG | Server <-------------------- DUT |
| 0:06:50.496409 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0060, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 403f61ab) |
| 0:06:50.496409 | LOG | PULL\_RESP: Protocol version = 02, Token = 8de5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 825516359, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AYADgomxUXHAubTx9GcBDNwLKJG6dfsAfchgriFxQZl4U04TAWlTjbxAQxGeojPtP+hRRUJ6wpKpAP2Gr'}} |
| 0:06:50.496409 | LOG | Server --------------------> DUT |
| 0:06:50.496409 | LOG | TX\_ACK: 02 8de5 05 aa555a0000240409 |
| 0:06:55.339053 | LOG | PUSH\_ACK: 02 114e 01 |
| 0:06:55.339053 | LOG | PUSH\_DATA: Protocol version = 02, Token = 114e, Identifier = 00, JSON = {'rxpk': [{'tmst': 828358883, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -40, 'size': 15, 'data': 'QO++rd6AawDg94oTx08y'}]} |
| 0:06:55.339053 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 006b, FOpts: ), FPort: e0, FRMPayload: 0059, MIC: 13c74f32) |
| 0:06:55.339053 | LOG | Server <-------------------- DUT |
| 0:06:55.339053 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0061, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 119173a2) |
| 0:06:55.339053 | LOG | PULL\_RESP: Protocol version = 02, Token = dbe5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 830358883, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AYQDgtGjggRISeUtkJduIHxRQ4OzRKw23SwItkIxQjd+sTl7FviBqEeEykiZlIwVXqasByo5AM7MRkXOi'}} |
| 0:06:55.339053 | LOG | Server --------------------> DUT |
| 0:06:55.339053 | LOG | TX\_ACK: 02 dbe5 05 aa555a0000240409 |
| 0:06:58.826152 | LOG | PULL\_DATA: 02 a57d 02 aa555a0000240409 |
| 0:06:58.826152 | LOG | PULL\_ACK: 02 a57d 04 |
| 0:07:00.176182 | LOG | PUSH\_ACK: 02 114f 01 |
| 0:07:00.176182 | LOG | PUSH\_DATA: Protocol version = 02, Token = 114f, Identifier = 00, JSON = {'rxpk': [{'tmst': 833201322, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AbADgvjlA7HzW'}]} |
| 0:07:00.176182 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 006c, FOpts: ), FPort: e0, FRMPayload: 005a, MIC: 40ec7cd6) |
| 0:07:00.176182 | LOG | Server <-------------------- DUT |
| 0:07:00.176182 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0062, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 49af6d42) |
| 0:07:00.176182 | LOG | PULL\_RESP: Protocol version = 02, Token = efcb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 835201322, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AYgDga9RVpHbGnOEfMaZNJnHugKF8HbvAaW+lq9+G+f4id8er5LepmpMAL4OpiotIpz+7TkqKmoRJr21C'}} |
| 0:07:00.176182 | LOG | Server --------------------> DUT |
| 0:07:00.176182 | LOG | TX\_ACK: 02 efcb 05 aa555a0000240409 |
| 0:07:05.004986 | LOG | PUSH\_ACK: 02 1150 01 |
| 0:07:05.004986 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1150, Identifier = 00, JSON = {'rxpk': [{'tmst': 838043803, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AbQDg036UWzSN'}]} |
| 0:07:05.004986 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 006d, FOpts: ), FPort: e0, FRMPayload: 005b, MIC: 945b348d) |
| 0:07:05.004986 | LOG | Server <-------------------- DUT |
| 0:07:05.004986 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0063, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 05deb8ef) |
| 0:07:05.004986 | LOG | PULL\_RESP: Protocol version = 02, Token = 2d42, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 840043803, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AYwDg7EHsrXMMvJ18NgSHtlf+tg/jBw3uCTQNKiIIYbc+GCy/KrslhhJLsgEgsAOl7UVtt/glYB0F3rjv'}} |
| 0:07:05.004986 | LOG | Server --------------------> DUT |
| 0:07:05.004986 | LOG | TX\_ACK: 02 2d42 05 aa555a0000240409 |
| 0:07:08.930341 | LOG | PULL\_DATA: 02 ce7e 02 aa555a0000240409 |
| 0:07:08.931338 | LOG | PULL\_ACK: 02 ce7e 04 |
| 0:07:09.910695 | LOG | PUSH\_ACK: 02 1152 01 |
| 0:07:09.912716 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1152, Identifier = 00, JSON = {'rxpk': [{'tmst': 842886266, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -41, 'size': 15, 'data': 'QO++rd6AbgDgOwPYevKI'}]} |
| 0:07:09.912716 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 006e, FOpts: ), FPort: e0, FRMPayload: 005c, MIC: d87af288) |
| 0:07:09.912716 | LOG | Server <-------------------- DUT |
| 0:07:09.912716 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0064, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fc679935) |
| 0:07:09.912716 | LOG | PULL\_RESP: Protocol version = 02, Token = c945, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 844886266, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AZADgZQsoRE5oyJWyGduioR+kpIDY5+1OczlFwT6VRn5bDsmAMejSEpnBplUmyUH+YGEm1y96nM/8Z5k1'}} |
| 0:07:09.912716 | LOG | Server --------------------> DUT |
| 0:07:09.912716 | LOG | TX\_ACK: 02 c945 05 aa555a0000240409 |
| 0:07:14.726197 | LOG | PUSH\_ACK: 02 1153 01 |
| 0:07:14.726197 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1153, Identifier = 00, JSON = {'rxpk': [{'tmst': 847728729, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AbwDgBaua9+Rz'}]} |
| 0:07:14.726197 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 006f, FOpts: ), FPort: e0, FRMPayload: 005d, MIC: 9af7e473) |
| 0:07:14.726197 | LOG | Server <-------------------- DUT |
| 0:07:14.726197 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0065, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 181eb601) |
| 0:07:14.726197 | LOG | PULL\_RESP: Protocol version = 02, Token = ce2d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 849728729, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AZQDgJ5YF/O10+b3iFg4egZMhg/OXP+HECo0gMBCt5tx1ZOlkYwd3Dj7a0nwRiORXyMqJo99HGMkYHrYB'}} |
| 0:07:14.726197 | LOG | Server --------------------> DUT |
| 0:07:14.726197 | LOG | TX\_ACK: 02 ce2d 05 aa555a0000240409 |
| 0:07:19.079420 | LOG | PULL\_DATA: 02 f3b9 02 aa555a0000240409 |
| 0:07:19.079420 | LOG | PULL\_ACK: 02 f3b9 04 |
| 0:07:19.574340 | LOG | PUSH\_ACK: 02 1154 01 |
| 0:07:19.576380 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1154, Identifier = 00, JSON = {'rxpk': [{'tmst': 852571208, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AcADgEES4Y1OR'}]} |
| 0:07:19.576380 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0070, FOpts: ), FPort: e0, FRMPayload: 005e, MIC: b8635391) |
| 0:07:19.576380 | LOG | Server <-------------------- DUT |
| 0:07:19.576380 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0066, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0e333572) |
| 0:07:19.576380 | LOG | PULL\_RESP: Protocol version = 02, Token = bd64, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 854571208, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AZgDgaqkGIJZN905Nu0sLeldT55VgdLd271ItHQ5glA3uH7XLenDQAnm7Iy3Y+EZLUjoRHdAfa+UOMzVy'}} |
| 0:07:19.576380 | LOG | Server --------------------> DUT |
| 0:07:19.576380 | LOG | TX\_ACK: 02 bd64 05 aa555a0000240409 |
| 0:07:24.436856 | LOG | PUSH\_ACK: 02 1155 01 |
| 0:07:24.436856 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1155, Identifier = 00, JSON = {'rxpk': [{'tmst': 857413863, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AcQDgvQqLZeoW'}]} |
| 0:07:24.436856 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0071, FOpts: ), FPort: e0, FRMPayload: 005f, MIC: 8b65ea16) |
| 0:07:24.436856 | LOG | Server <-------------------- DUT |
| 0:07:24.436856 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0067, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1e714446) |
| 0:07:24.436856 | LOG | PULL\_RESP: Protocol version = 02, Token = 2516, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 859413863, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AZwDgeAn+HbwgN4Dq5UL+J0S8caoQZvrqnE6BYhRBu5LuMk9XX/BC/jVgiKrP/fCspG/3Pub5Wu4ecURG'}} |
| 0:07:24.436856 | LOG | Server --------------------> DUT |
| 0:07:24.436856 | LOG | TX\_ACK: 02 2516 05 aa555a0000240409 |
| 0:07:29.145512 | LOG | PULL\_DATA: 02 e709 02 aa555a0000240409 |
| 0:07:29.145512 | LOG | PULL\_ACK: 02 e709 04 |
| 0:07:29.335572 | LOG | PUSH\_ACK: 02 1156 01 |
| 0:07:29.335572 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1156, Identifier = 00, JSON = {'rxpk': [{'tmst': 862296840, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AcgDg1DH6IU3x'}]} |
| 0:07:29.335572 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0072, FOpts: ), FPort: e0, FRMPayload: 0060, MIC: fa214df1) |
| 0:07:29.335572 | LOG | Server <-------------------- DUT |
| 0:07:29.335572 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0068, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: aec34034) |
| 0:07:29.335572 | LOG | PULL\_RESP: Protocol version = 02, Token = 9bfb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 864296840, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AaADgTHUAD5G4sbiz7d7rce8GaY1OFR/DbnOUkDkQ7CcejizIMiBaQeMTSMyGeV87vO3LQ/e62myuw0A0'}} |
| 0:07:29.335572 | LOG | Server --------------------> DUT |
| 0:07:29.335572 | LOG | TX\_ACK: 02 9bfb 05 aa555a0000240409 |
| 0:07:34.151676 | LOG | PUSH\_ACK: 02 1157 01 |
| 0:07:34.153721 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1157, Identifier = 00, JSON = {'rxpk': [{'tmst': 867139362, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AcwDgiOwf3NBv'}]} |
| 0:07:34.153721 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0073, FOpts: ), FPort: e0, FRMPayload: 0061, MIC: 1fdcd06f) |
| 0:07:34.153721 | LOG | Server <-------------------- DUT |
| 0:07:34.153721 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0069, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 77f4474c) |
| 0:07:34.153721 | LOG | PULL\_RESP: Protocol version = 02, Token = 4931, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 869139362, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AaQDgcJrQc58xhb1ooFmhiZDt0Xeef8p8+77adNdzDrTsNSO9BPfRS0gcPvjtPllR+UH+ab031iN39EdM'}} |
| 0:07:34.153721 | LOG | Server --------------------> DUT |
| 0:07:34.153721 | LOG | TX\_ACK: 02 4931 05 aa555a0000240409 |
| 0:07:38.971119 | LOG | PUSH\_ACK: 02 1158 01 |
| 0:07:38.971119 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1158, Identifier = 00, JSON = {'rxpk': [{'tmst': 871981841, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AdADgqRnt8Igg'}]} |
| 0:07:38.971119 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0074, FOpts: ), FPort: e0, FRMPayload: 0062, MIC: edf08820) |
| 0:07:38.971119 | LOG | Server <-------------------- DUT |
| 0:07:38.971119 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 006a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9fcc8270) |
| 0:07:38.971119 | LOG | PULL\_RESP: Protocol version = 02, Token = 56f2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 873981841, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AagDgszorydoxE5KANh2lL721Ubep2iixuFrrwPXqUw72E/5AlLRNDHMxtD63jB0oQ6msJR38gfWfzIJw'}} |
| 0:07:38.971119 | LOG | Server --------------------> DUT |
| 0:07:38.971119 | LOG | TX\_ACK: 02 56f2 05 aa555a0000240409 |
| 0:07:39.189200 | LOG | PULL\_DATA: 02 0e73 02 aa555a0000240409 |
| 0:07:39.189200 | LOG | PULL\_ACK: 02 0e73 04 |
| 0:07:43.806340 | LOG | PUSH\_ACK: 02 115a 01 |
| 0:07:43.808360 | LOG | MIC MISMATCH! |
| 0:07:43.808360 | LOG | PUSH\_DATA: Protocol version = 02, Token = 115a, Identifier = 00, JSON = {'rxpk': [{'tmst': 876824364, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': -1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 4.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AdQDgewb86+We'}]} |
| 0:07:43.808360 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0075, FOpts: ), FPort: e0, FRMPayload: 0063, MIC: fcebe59e) |
| 0:07:48.636551 | LOG | PUSH\_ACK: 02 115b 01 |
| 0:07:48.638595 | LOG | PUSH\_DATA: Protocol version = 02, Token = 115b, Identifier = 00, JSON = {'rxpk': [{'tmst': 881666772, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AdgDgPmKoMEQE'}]} |
| 0:07:48.638595 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0076, FOpts: ), FPort: e0, FRMPayload: 0063, MIC: a8304404) |
| 0:07:48.638595 | LOG | Server <-------------------- DUT |
| 0:07:48.638595 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 006b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1c41697e) |
| 0:07:48.638595 | LOG | PULL\_RESP: Protocol version = 02, Token = 33ca, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 883666772, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AawDgz4xKdUQYNIERNXORG4WZrciR7sh7XwGYyKAnkOXU96+yyMHzyTj30p9jp+M1v+FyCvpeHoIcQWl+'}} |
| 0:07:48.638595 | LOG | Server --------------------> DUT |
| 0:07:48.638595 | LOG | TX\_ACK: 02 33ca 05 aa555a0000240409 |
| 0:07:49.266663 | LOG | PULL\_DATA: 02 d71d 02 aa555a0000240409 |
| 0:07:49.266663 | LOG | PULL\_ACK: 02 d71d 04 |
| 0:07:53.525750 | LOG | PUSH\_ACK: 02 115c 01 |
| 0:07:53.525750 | LOG | PUSH\_DATA: Protocol version = 02, Token = 115c, Identifier = 00, JSON = {'rxpk': [{'tmst': 886509310, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AdwDgw69lkB2T'}]} |
| 0:07:53.525750 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0077, FOpts: ), FPort: e0, FRMPayload: 0064, MIC: 65901d93) |
| 0:07:53.525750 | LOG | Server <-------------------- DUT |
| 0:07:53.525750 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 006c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 223fe6e2) |
| 0:07:53.525750 | LOG | PULL\_RESP: Protocol version = 02, Token = d61a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 888509310, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AbADgYvXv8VxMqqxOCyZPyXOayzfQmw7SgTpJIIUxOZyKP/pxppwx0xVR2D0ntThDNPqrMQ/vBfsiP+bi'}} |
| 0:07:53.525750 | LOG | Server --------------------> DUT |
| 0:07:53.525750 | LOG | TX\_ACK: 02 d61a 05 aa555a0000240409 |
| 0:07:58.337384 | LOG | PUSH\_ACK: 02 115d 01 |
| 0:07:58.339401 | LOG | PUSH\_DATA: Protocol version = 02, Token = 115d, Identifier = 00, JSON = {'rxpk': [{'tmst': 891351806, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -42, 'size': 15, 'data': 'QO++rd6AeADgS2nzL5sC'}]} |
| 0:07:58.339401 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0078, FOpts: ), FPort: e0, FRMPayload: 0065, MIC: f32f9b02) |
| 0:07:58.339401 | LOG | Server <-------------------- DUT |
| 0:07:58.339401 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 006d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d44829f0) |
| 0:07:58.339401 | LOG | PULL\_RESP: Protocol version = 02, Token = a64f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 893351806, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AbQDg78zm0ncfTMSXyxOaSBCFzymf6WBbyeKS4vpQqot1e4oR4hhm/CAsg78mjWHkxZzTQvtp3+DUSCnw'}} |
| 0:07:58.339401 | LOG | Server --------------------> DUT |
| 0:07:58.339401 | LOG | TX\_ACK: 02 a64f 05 aa555a0000240409 |
| 0:07:59.364473 | LOG | PULL\_DATA: 02 66ea 02 aa555a0000240409 |
| 0:07:59.364473 | LOG | PULL\_ACK: 02 66ea 04 |
| 0:08:03.199506 | LOG | PUSH\_ACK: 02 115e 01 |
| 0:08:03.201576 | LOG | PUSH\_DATA: Protocol version = 02, Token = 115e, Identifier = 00, JSON = {'rxpk': [{'tmst': 896194270, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AeQDgpMX1bPp+'}]} |
| 0:08:03.201576 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0079, FOpts: ), FPort: e0, FRMPayload: 0066, MIC: f56cfa7e) |
| 0:08:03.201576 | LOG | Server <-------------------- DUT |
| 0:08:03.201576 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 006e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7290200d) |
| 0:08:03.201576 | LOG | PULL\_RESP: Protocol version = 02, Token = a911, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 898194270, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AbgDgxAHB9YUnZiFHAIIwQrmKNp1e1yktg7HChu74ZgQoa9reuy6maYsBaMjvPLobk0ZopbB8Ke9ykCAN'}} |
| 0:08:03.201576 | LOG | Server --------------------> DUT |
| 0:08:03.201576 | LOG | TX\_ACK: 02 a911 05 aa555a0000240409 |
| 0:08:08.099675 | LOG | PUSH\_ACK: 02 115f 01 |
| 0:08:08.099675 | LOG | PUSH\_DATA: Protocol version = 02, Token = 115f, Identifier = 00, JSON = {'rxpk': [{'tmst': 901077438, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AegDg19tT3qUd'}]} |
| 0:08:08.099675 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 007a, FOpts: ), FPort: e0, FRMPayload: 0067, MIC: 53dea51d) |
| 0:08:08.099675 | LOG | Server <-------------------- DUT |
| 0:08:08.099675 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 006f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: bd9f6908) |
| 0:08:08.099675 | LOG | PULL\_RESP: Protocol version = 02, Token = 21b8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 903077438, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AbwDg140Urh9VkQrIjKs9Yd2cFtRLxwhK1Xv7XLDVmNTARVQVrn/sug38Kh8QFvlIuezYJfrjylG9n2kI'}} |
| 0:08:08.099675 | LOG | Server --------------------> DUT |
| 0:08:08.099675 | LOG | TX\_ACK: 02 21b8 05 aa555a0000240409 |
| 0:08:09.526548 | LOG | PULL\_DATA: 02 3309 02 aa555a0000240409 |
| 0:08:09.526548 | LOG | PULL\_ACK: 02 3309 04 |
| 0:08:12.891715 | LOG | PUSH\_ACK: 02 1161 01 |
| 0:08:12.893761 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1161, Identifier = 00, JSON = {'rxpk': [{'tmst': 905919902, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AewDgDWQJHxKZ'}]} |
| 0:08:12.893761 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 007b, FOpts: ), FPort: e0, FRMPayload: 0068, MIC: 091f1299) |
| 0:08:12.893761 | LOG | Server <-------------------- DUT |
| 0:08:12.893761 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0070, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c4b4e613) |
| 0:08:12.893761 | LOG | PULL\_RESP: Protocol version = 02, Token = aae6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 907919902, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AcADgFiOow2MAfDsQcSYlqGeiqsoA4CliVdzQIgNvYqBZpyz3rnQesFVLOjt5KZJ1gl1bK/S6YkrEtOYT'}} |
| 0:08:12.893761 | LOG | Server --------------------> DUT |
| 0:08:12.893761 | LOG | TX\_ACK: 02 aae6 05 aa555a0000240409 |
| 0:08:17.759991 | LOG | PUSH\_ACK: 02 1162 01 |
| 0:08:17.762065 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1162, Identifier = 00, JSON = {'rxpk': [{'tmst': 910762349, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -41, 'size': 15, 'data': 'QO++rd6AfADgst+5X8hz'}]} |
| 0:08:17.762065 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 007c, FOpts: ), FPort: e0, FRMPayload: 0069, MIC: b95fc873) |
| 0:08:17.762065 | LOG | Server <-------------------- DUT |
| 0:08:17.762065 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0071, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 00bd3e12) |
| 0:08:17.762065 | LOG | PULL\_RESP: Protocol version = 02, Token = 7e6a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 912762349, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AcQDgowDCoLsxTcv7iSR+1t8DkxOnOqLcG30NXGL/vYKykw+sXgW2HUxARUfCmnxgzy2Hd9IeXowAvT4S'}} |
| 0:08:17.762065 | LOG | Server --------------------> DUT |
| 0:08:17.762065 | LOG | TX\_ACK: 02 7e6a 05 aa555a0000240409 |
| 0:08:19.621505 | LOG | PULL\_DATA: 02 e001 02 aa555a0000240409 |
| 0:08:19.621505 | LOG | PULL\_ACK: 02 e001 04 |
| 0:08:22.572221 | LOG | PUSH\_ACK: 02 1163 01 |
| 0:08:22.572221 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1163, Identifier = 00, JSON = {'rxpk': [{'tmst': 915604797, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AfQDgL2NF6vZr'}]} |
| 0:08:22.572221 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 007d, FOpts: ), FPort: e0, FRMPayload: 006a, MIC: 45eaf66b) |
| 0:08:22.572221 | LOG | Server <-------------------- DUT |
| 0:08:22.572221 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0072, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0dbf294b) |
| 0:08:22.582223 | LOG | PULL\_RESP: Protocol version = 02, Token = 7acc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 917604797, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AcgDgm6EMBEEHx3AuKVP8vFIuP0uTwrbSQ5VVakAYwO6sU1AXbAwOwDfhBmg4vFgERBZv+KZu5zMNvylL'}} |
| 0:08:22.582223 | LOG | Server --------------------> DUT |
| 0:08:22.582223 | LOG | TX\_ACK: 02 7acc 05 aa555a0000240409 |
| 0:08:27.466286 | LOG | PUSH\_ACK: 02 1164 01 |
| 0:08:27.466286 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1164, Identifier = 00, JSON = {'rxpk': [{'tmst': 920447222, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AfgDgvKZogJ4f'}]} |
| 0:08:27.466286 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 007e, FOpts: ), FPort: e0, FRMPayload: 006b, MIC: 68809e1f) |
| 0:08:27.466286 | LOG | Server <-------------------- DUT |
| 0:08:27.466286 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0073, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: eadbaee6) |
| 0:08:27.466286 | LOG | PULL\_RESP: Protocol version = 02, Token = bd7b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 922447222, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AcwDgxIBaZqWttzZYCnlCz5O57SfXE+MOwLguo3F8d8k5qhgN5sZQfthkipGDfJP2nIme93Pemjvq267m'}} |
| 0:08:27.466286 | LOG | Server --------------------> DUT |
| 0:08:27.466286 | LOG | TX\_ACK: 02 bd7b 05 aa555a0000240409 |
| 0:08:29.746560 | LOG | PULL\_DATA: 02 9ff4 02 aa555a0000240409 |
| 0:08:29.746560 | LOG | PULL\_ACK: 02 9ff4 04 |
| 0:08:32.317264 | LOG | PUSH\_ACK: 02 1165 01 |
| 0:08:32.317264 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1165, Identifier = 00, JSON = {'rxpk': [{'tmst': 925289717, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AfwDgu+YwjOnH'}]} |
| 0:08:32.317264 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 007f, FOpts: ), FPort: e0, FRMPayload: 006c, MIC: 308ce9c7) |
| 0:08:32.317264 | LOG | Server <-------------------- DUT |
| 0:08:32.317264 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0074, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c2551f5c) |
| 0:08:32.317264 | LOG | PULL\_RESP: Protocol version = 02, Token = 1a40, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 927289717, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AdADgtp6k+ClzEMYhjneL1r/P4f+IXzLyGeeETiD4Az/8NsmM4qTApkk8Os+pt46Irj+v16EsVdvCVR9c'}} |
| 0:08:32.317264 | LOG | Server --------------------> DUT |
| 0:08:32.317264 | LOG | TX\_ACK: 02 1a40 05 aa555a0000240409 |
| 0:08:37.105441 | LOG | PUSH\_ACK: 02 1166 01 |
| 0:08:37.105441 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1166, Identifier = 00, JSON = {'rxpk': [{'tmst': 930132197, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AgADgI9Sv9FE2'}]} |
| 0:08:37.105441 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0080, FOpts: ), FPort: e0, FRMPayload: 006d, MIC: aff45136) |
| 0:08:37.105441 | LOG | Server <-------------------- DUT |
| 0:08:37.105441 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0075, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 59b3e812) |
| 0:08:37.105441 | LOG | PULL\_RESP: Protocol version = 02, Token = f07e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 932132197, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AdQDg6hO8Eladl58MnP8ZpKw2bFMtMg79e+xKv9K0f7ZGA/FePatAISNzHIs6saIQWOh/bVpLn9FZs+gS'}} |
| 0:08:37.105441 | LOG | Server --------------------> DUT |
| 0:08:37.105441 | LOG | TX\_ACK: 02 f07e 05 aa555a0000240409 |
| 0:08:39.791749 | LOG | PULL\_DATA: 02 d737 02 aa555a0000240409 |
| 0:08:39.791749 | LOG | PULL\_ACK: 02 d737 04 |
| 0:08:42.001968 | LOG | PUSH\_ACK: 02 1168 01 |
| 0:08:42.001968 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1168, Identifier = 00, JSON = {'rxpk': [{'tmst': 934974631, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AgQDgHjvT0/aQ'}]} |
| 0:08:42.001968 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0081, FOpts: ), FPort: e0, FRMPayload: 006e, MIC: d3d3f690) |
| 0:08:42.001968 | LOG | Server <-------------------- DUT |
| 0:08:42.001968 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0076, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b2d95a9e) |
| 0:08:42.001968 | LOG | PULL\_RESP: Protocol version = 02, Token = 5fad, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 936974631, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AdgDgwR/B35O5i/cToFefYX5MGmE3v1eqeyJ30ctr+m6cGCQt54elYZa2JDRQZMdysJvyMvHaciay2Vqe'}} |
| 0:08:42.001968 | LOG | Server --------------------> DUT |
| 0:08:42.001968 | LOG | TX\_ACK: 02 5fad 05 aa555a0000240409 |
| 0:08:46.886823 | LOG | PUSH\_ACK: 02 1169 01 |
| 0:08:46.886823 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1169, Identifier = 00, JSON = {'rxpk': [{'tmst': 939857775, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AggDgdOlZk4im'}]} |
| 0:08:46.886823 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0082, FOpts: ), FPort: e0, FRMPayload: 006f, MIC: 599388a6) |
| 0:08:46.886823 | LOG | Server <-------------------- DUT |
| 0:08:46.886823 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0077, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8b95e01e) |
| 0:08:46.886823 | LOG | PULL\_RESP: Protocol version = 02, Token = 1eaf, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 941857775, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AdwDgEjpYm1NCfTd867O90llO03Ljp5qNacGaoaIVNJ86IYebBvh/E/sRGr9Hyq2GpReqcfyflOaLleAe'}} |
| 0:08:46.886823 | LOG | Server --------------------> DUT |
| 0:08:46.886823 | LOG | TX\_ACK: 02 1eaf 05 aa555a0000240409 |
| 0:08:49.991552 | LOG | PULL\_DATA: 02 ee71 02 aa555a0000240409 |
| 0:08:49.991552 | LOG | PULL\_ACK: 02 ee71 04 |
| 0:08:51.707655 | LOG | PUSH\_ACK: 02 116a 01 |
| 0:08:51.709704 | LOG | PUSH\_DATA: Protocol version = 02, Token = 116a, Identifier = 00, JSON = {'rxpk': [{'tmst': 944700217, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AgwDgY5eILn9J'}]} |
| 0:08:51.709704 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0083, FOpts: ), FPort: e0, FRMPayload: 0070, MIC: 882e7f49) |
| 0:08:51.709704 | LOG | Server <-------------------- DUT |
| 0:08:51.709704 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0078, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1770f6f6) |
| 0:08:51.709704 | LOG | PULL\_RESP: Protocol version = 02, Token = d1c6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 946700217, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AeADgQWB+rlIqZuzaSWsToAoU9qVdWVo/ABAxgZMzgvIrTkCFML0yG6RBnTg4u09LJW6ti3mUFKUXcPb2'}} |
| 0:08:51.709704 | LOG | Server --------------------> DUT |
| 0:08:51.709704 | LOG | TX\_ACK: 02 d1c6 05 aa555a0000240409 |
| 0:08:56.508426 | LOG | PUSH\_ACK: 02 116b 01 |
| 0:08:56.508426 | LOG | PUSH\_DATA: Protocol version = 02, Token = 116b, Identifier = 00, JSON = {'rxpk': [{'tmst': 949542642, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AhADgXgFP2t1m'}]} |
| 0:08:56.508426 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0084, FOpts: ), FPort: e0, FRMPayload: 0071, MIC: 4fdadd66) |
| 0:08:56.508426 | LOG | Server <-------------------- DUT |
| 0:08:56.512726 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0079, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b6e3d6c2) |
| 0:08:56.512726 | LOG | PULL\_RESP: Protocol version = 02, Token = afb2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 951542642, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AeQDgkULt9qiLhJl3STi1/olaRN3oApZ5MmYW0wsNQITTZ6fRpiNmOYQGwZFufUWDe7X3gqlNTkq249bC'}} |
| 0:08:56.512726 | LOG | Server --------------------> DUT |
| 0:08:56.512726 | LOG | TX\_ACK: 02 afb2 05 aa555a0000240409 |
| 0:09:00.032933 | LOG | PULL\_DATA: 02 61d9 02 aa555a0000240409 |
| 0:09:00.032933 | LOG | PULL\_ACK: 02 61d9 04 |
| 0:09:01.354620 | LOG | PUSH\_ACK: 02 116c 01 |
| 0:09:01.356670 | LOG | PUSH\_DATA: Protocol version = 02, Token = 116c, Identifier = 00, JSON = {'rxpk': [{'tmst': 954385161, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AhQDgDq4h9Pt5'}]} |
| 0:09:01.356670 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0085, FOpts: ), FPort: e0, FRMPayload: 0072, MIC: 21f4fb79) |
| 0:09:01.356670 | LOG | Server <-------------------- DUT |
| 0:09:01.356670 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 007a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4bb40494) |
| 0:09:01.356670 | LOG | PULL\_RESP: Protocol version = 02, Token = ff31, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 956385161, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AegDgNEEqPq5qgbMYKdEWvs+Le7rYEGxpAtDjMBtAlf3NvKzf0leFEvqh3kvxd+6Zz/HW+3uhPohLtASU'}} |
| 0:09:01.356670 | LOG | Server --------------------> DUT |
| 0:09:01.356670 | LOG | TX\_ACK: 02 ff31 05 aa555a0000240409 |
| 0:09:06.211728 | LOG | PUSH\_ACK: 02 116d 01 |
| 0:09:06.211728 | LOG | PUSH\_DATA: Protocol version = 02, Token = 116d, Identifier = 00, JSON = {'rxpk': [{'tmst': 959227562, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AhgDgg2ScmDHz'}]} |
| 0:09:06.211728 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0086, FOpts: ), FPort: e0, FRMPayload: 0073, MIC: 9c9831f3) |
| 0:09:06.211728 | LOG | Server <-------------------- DUT |
| 0:09:06.211728 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 007b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a3e536ac) |
| 0:09:06.211728 | LOG | PULL\_RESP: Protocol version = 02, Token = 3389, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 961227562, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AewDglvmALiDnNDSc8ZxhtsrpEWdBMTGUcIZ8oO6YAtgk3MZKUqpfHLlkPsBloAl6a1yAy3Am/iKj5Tas'}} |
| 0:09:06.211728 | LOG | Server --------------------> DUT |
| 0:09:06.211728 | LOG | TX\_ACK: 02 3389 05 aa555a0000240409 |
| 0:09:10.140030 | LOG | PULL\_DATA: 02 8b54 02 aa555a0000240409 |
| 0:09:10.140030 | LOG | PULL\_ACK: 02 8b54 04 |
| 0:09:11.085789 | LOG | PUSH\_ACK: 02 116f 01 |
| 0:09:11.085789 | LOG | PUSH\_DATA: Protocol version = 02, Token = 116f, Identifier = 00, JSON = {'rxpk': [{'tmst': 964069995, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AhwDghiKjWQ2Q'}]} |
| 0:09:11.085789 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0087, FOpts: ), FPort: e0, FRMPayload: 0074, MIC: a3590d90) |
| 0:09:11.085789 | LOG | Server <-------------------- DUT |
| 0:09:11.089799 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 007c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 412aae84) |
| 0:09:11.089799 | LOG | PULL\_RESP: Protocol version = 02, Token = 744b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 966069995, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AfADgHqkfy1WaswnowOL7t2kl6+HKwROF/zSWWXk/SGZ+nbK4hYoWWGtDts/HrmlJohjNSEnGndhBKq6E'}} |
| 0:09:11.089799 | LOG | Server --------------------> DUT |
| 0:09:11.089799 | LOG | TX\_ACK: 02 744b 05 aa555a0000240409 |
| 0:09:15.911281 | LOG | PUSH\_ACK: 02 1170 01 |
| 0:09:15.911281 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1170, Identifier = 00, JSON = {'rxpk': [{'tmst': 968912508, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AiADgGIj8dbNw'}]} |
| 0:09:15.911281 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0088, FOpts: ), FPort: e0, FRMPayload: 0075, MIC: fc75b370) |
| 0:09:15.911281 | LOG | Server <-------------------- DUT |
| 0:09:15.911281 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 007d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4131c555) |
| 0:09:15.911281 | LOG | PULL\_RESP: Protocol version = 02, Token = f92a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 970912508, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AfQDgJpmSgLEVPJUtXF+ufYnOYKQ5l2RaGNAK4DKl60tGIPTQnRZxUyuhyFabeUH7nPrRHVu8blRBMcVV'}} |
| 0:09:15.911281 | LOG | Server --------------------> DUT |
| 0:09:15.911281 | LOG | TX\_ACK: 02 f92a 05 aa555a0000240409 |
| 0:09:20.238399 | LOG | PULL\_DATA: 02 d377 02 aa555a0000240409 |
| 0:09:20.238399 | LOG | PULL\_ACK: 02 d377 04 |
| 0:09:20.768449 | LOG | PUSH\_ACK: 02 1171 01 |
| 0:09:20.768449 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1171, Identifier = 00, JSON = {'rxpk': [{'tmst': 973755146, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AiQDgenmGKWQk'}]} |
| 0:09:20.768449 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0089, FOpts: ), FPort: e0, FRMPayload: 0076, MIC: 86296424) |
| 0:09:20.768449 | LOG | Server <-------------------- DUT |
| 0:09:20.768449 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 007e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 10ac0e6e) |
| 0:09:20.768449 | LOG | PULL\_RESP: Protocol version = 02, Token = ef88, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 975755146, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AfgDgL6KwOW3f/84vdoCS4cFFigOy+JhDFo5QCJdLRS8TC957+lYhdNI6c/5tMAdN+MgLRQb+nJQQrA5u'}} |
| 0:09:20.768449 | LOG | Server --------------------> DUT |
| 0:09:20.768449 | LOG | TX\_ACK: 02 ef88 05 aa555a0000240409 |
| 0:09:25.646191 | LOG | PUSH\_ACK: 02 1172 01 |
| 0:09:25.648367 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1172, Identifier = 00, JSON = {'rxpk': [{'tmst': 978638050, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AigDg++F2zd1W'}]} |
| 0:09:25.648367 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 008a, FOpts: ), FPort: e0, FRMPayload: 0077, MIC: 76cddd56) |
| 0:09:25.648367 | LOG | Server <-------------------- DUT |
| 0:09:25.648367 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 007f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 21ce2bc7) |
| 0:09:25.648367 | LOG | PULL\_RESP: Protocol version = 02, Token = 1c68, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 980638050, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AfwDgVgG522OozQXEKC67KCzHHFoOQtMpJftvHts+iejZOzDGx1/1iUQcbEpVK62EPEUYxLD7GfMhzivH'}} |
| 0:09:25.648367 | LOG | Server --------------------> DUT |
| 0:09:25.648367 | LOG | TX\_ACK: 02 1c68 05 aa555a0000240409 |
| 0:09:30.375622 | LOG | PULL\_DATA: 02 17c3 02 aa555a0000240409 |
| 0:09:30.375622 | LOG | PULL\_ACK: 02 17c3 04 |
| 0:09:30.485870 | LOG | PUSH\_ACK: 02 1173 01 |
| 0:09:30.485870 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1173, Identifier = 00, JSON = {'rxpk': [{'tmst': 983480555, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -41, 'size': 15, 'data': 'QO++rd6AiwDgXNK3p2YW'}]} |
| 0:09:30.485870 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 008b, FOpts: ), FPort: e0, FRMPayload: 0078, MIC: b7a76616) |
| 0:09:30.485870 | LOG | Server <-------------------- DUT |
| 0:09:30.485870 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0080, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 45cba542) |
| 0:09:30.485870 | LOG | PULL\_RESP: Protocol version = 02, Token = 9292, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 985480555, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AgADg0GqOUQHGJOEp0TOUsdBo9kIBzM7vLNJCJOHEODuxuObU18T1srPVs3f6npfo+sljXd5s2mpFy6VC'}} |
| 0:09:30.485870 | LOG | Server --------------------> DUT |
| 0:09:30.485870 | LOG | TX\_ACK: 02 9292 05 aa555a0000240409 |
| 0:09:35.360334 | LOG | PUSH\_ACK: 02 1174 01 |
| 0:09:35.362369 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1174, Identifier = 00, JSON = {'rxpk': [{'tmst': 988323011, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AjADg2OY4D9Ku'}]} |
| 0:09:35.362369 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 008c, FOpts: ), FPort: e0, FRMPayload: 0079, MIC: 380fd2ae) |
| 0:09:35.362369 | LOG | Server <-------------------- DUT |
| 0:09:35.362369 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0081, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3a0f825d) |
| 0:09:35.362369 | LOG | PULL\_RESP: Protocol version = 02, Token = 3eca, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 990323011, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AgQDgC9hxyYouug+Coj0dXin/lBt+HwNLFPh6Rc0s/Ai7b3LtWVHyknL+z/QLBRjXLsWPsjaqBY46D4Jd'}} |
| 0:09:35.362369 | LOG | Server --------------------> DUT |
| 0:09:35.362369 | LOG | TX\_ACK: 02 3eca 05 aa555a0000240409 |
| 0:09:40.130544 | LOG | PUSH\_ACK: 02 1175 01 |
| 0:09:40.132591 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1175, Identifier = 00, JSON = {'rxpk': [{'tmst': 993165692, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AjQDg7jNkDHaP'}]} |
| 0:09:40.132591 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 008d, FOpts: ), FPort: e0, FRMPayload: 007a, MIC: 640c768f) |
| 0:09:40.132591 | LOG | Server <-------------------- DUT |
| 0:09:40.132591 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0082, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9a8e7879) |
| 0:09:40.132591 | LOG | PULL\_RESP: Protocol version = 02, Token = c232, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 995165692, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AggDg3NAoINGZRg4X+5nnRAHBk01nWbg1sG28+Zs3chwObRDsk/nRuIbO76ucueTzy0zCcttds/yajnh5'}} |
| 0:09:40.132591 | LOG | Server --------------------> DUT |
| 0:09:40.132591 | LOG | TX\_ACK: 02 c232 05 aa555a0000240409 |
| 0:09:40.550649 | LOG | PULL\_DATA: 02 8794 02 aa555a0000240409 |
| 0:09:40.550649 | LOG | PULL\_ACK: 02 8794 04 |
| 0:09:45.003495 | LOG | PUSH\_ACK: 02 1177 01 |
| 0:09:45.005523 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1177, Identifier = 00, JSON = {'rxpk': [{'tmst': 998008125, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AjgDgSj/EHW1f'}]} |
| 0:09:45.005523 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 008e, FOpts: ), FPort: e0, FRMPayload: 007b, MIC: c41d6d5f) |
| 0:09:45.005523 | LOG | Server <-------------------- DUT |
| 0:09:45.005523 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0083, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 23975039) |
| 0:09:45.005523 | LOG | PULL\_RESP: Protocol version = 02, Token = 3579, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1000008125, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AgwDg//G7fT8p5dsNJUxXplssrbTVMOrvt64jVmPK8vJe1bDf6IvghwkTIuPLKB2oy/cUS8J1RRAjl1A5'}} |
| 0:09:45.005523 | LOG | Server --------------------> DUT |
| 0:09:45.005523 | LOG | TX\_ACK: 02 3579 05 aa555a0000240409 |
| 0:09:49.813355 | LOG | PUSH\_ACK: 02 1178 01 |
| 0:09:49.815373 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1178, Identifier = 00, JSON = {'rxpk': [{'tmst': 1002850556, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AjwDgY+WF9jCZ'}]} |
| 0:09:49.815373 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 008f, FOpts: ), FPort: e0, FRMPayload: 007c, MIC: 85f63099) |
| 0:09:49.815373 | LOG | Server <-------------------- DUT |
| 0:09:49.815373 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0084, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 2b2dc6e6) |
| 0:09:49.815373 | LOG | PULL\_RESP: Protocol version = 02, Token = 4d95, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1004850556, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AhADg1jTq4Kts2SY7jFi1PqGlYqNe3TGjftBAbbn96irvuN7GlqwV6zJUuy3rY0xqf9gQ/xPdU8wrLcbm'}} |
| 0:09:49.815373 | LOG | Server --------------------> DUT |
| 0:09:49.815373 | LOG | TX\_ACK: 02 4d95 05 aa555a0000240409 |
| 0:09:50.652273 | LOG | PULL\_DATA: 02 5390 02 aa555a0000240409 |
| 0:09:50.652273 | LOG | PULL\_ACK: 02 5390 04 |
| 0:09:54.720461 | LOG | PUSH\_ACK: 02 1179 01 |
| 0:09:54.720461 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1179, Identifier = 00, JSON = {'rxpk': [{'tmst': 1007693011, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AkADgA2OMwIBd'}]} |
| 0:09:54.720461 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0090, FOpts: ), FPort: e0, FRMPayload: 007d, MIC: 8cc0805d) |
| 0:09:54.720461 | LOG | Server <-------------------- DUT |
| 0:09:54.720461 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0085, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 575830a3) |
| 0:09:54.720461 | LOG | PULL\_RESP: Protocol version = 02, Token = 598c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1009693011, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AhQDgbqavlhxmni9tq3AMp2nVKZ4mWxEZ9js7mMnP7nPuh3IndSr5/tohqTrrK8PGC8b4xy3OuMZXWDCj'}} |
| 0:09:54.720461 | LOG | Server --------------------> DUT |
| 0:09:54.720461 | LOG | TX\_ACK: 02 598c 05 aa555a0000240409 |
| 0:09:59.567248 | LOG | PUSH\_ACK: 02 117a 01 |
| 0:09:59.567248 | LOG | PUSH\_DATA: Protocol version = 02, Token = 117a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1012535509, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AkQDgKyPlhVDv'}]} |
| 0:09:59.567248 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0091, FOpts: ), FPort: e0, FRMPayload: 007e, MIC: e58550ef) |
| 0:09:59.567248 | LOG | Server <-------------------- DUT |
| 0:09:59.567248 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0086, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 194cd738) |
| 0:09:59.567248 | LOG | PULL\_RESP: Protocol version = 02, Token = d856, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1014535509, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AhgDgYhdMwx2xfkkmHv1B9cV6/UrcHXMdeIuwK93QVPqFA4gS6JkZso+28QpRrCHJlQ3kuJGMkD4ZTNc4'}} |
| 0:09:59.567248 | LOG | Server --------------------> DUT |
| 0:09:59.567248 | LOG | TX\_ACK: 02 d856 05 aa555a0000240409 |
| 0:10:00.807235 | LOG | PULL\_DATA: 02 dca1 02 aa555a0000240409 |
| 0:10:00.807235 | LOG | PULL\_ACK: 02 dca1 04 |
| 0:10:04.379559 | LOG | PUSH\_ACK: 02 117b 01 |
| 0:10:04.381626 | LOG | PUSH\_DATA: Protocol version = 02, Token = 117b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1017418438, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AkgDgpyPj5hTT'}]} |
| 0:10:04.381626 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0092, FOpts: ), FPort: e0, FRMPayload: 007f, MIC: e3e614d3) |
| 0:10:04.381626 | LOG | Server <-------------------- DUT |
| 0:10:04.381626 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0087, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c3161866) |
| 0:10:04.381626 | LOG | PULL\_RESP: Protocol version = 02, Token = df78, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1019418438, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AhwDg9e8sT60pyQXSK+y8BC+ifvN8uwlG8XHssnL58mOIDDYf92iInHT1UMHw5UcOVBtycgsNozbDFhhm'}} |
| 0:10:04.381626 | LOG | Server --------------------> DUT |
| 0:10:04.381626 | LOG | TX\_ACK: 02 df78 05 aa555a0000240409 |
| 0:10:09.247731 | LOG | PUSH\_ACK: 02 117c 01 |
| 0:10:09.247731 | LOG | PUSH\_DATA: Protocol version = 02, Token = 117c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1022260934, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AkwDggG5uLLBU'}]} |
| 0:10:09.247731 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0093, FOpts: ), FPort: e0, FRMPayload: 0080, MIC: 6e2cb054) |
| 0:10:09.247731 | LOG | Server <-------------------- DUT |
| 0:10:09.247731 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0088, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8c8c041c) |
| 0:10:09.247731 | LOG | PULL\_RESP: Protocol version = 02, Token = d485, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1024260934, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AiADgSijANZma5wGS1rDrWvJzMjJLybRi5dLaihjb9PGyqQdXjFSac/kbcUH6O5Bcf6qDA3nkBVSMjAQc'}} |
| 0:10:09.247731 | LOG | Server --------------------> DUT |
| 0:10:09.247731 | LOG | TX\_ACK: 02 d485 05 aa555a0000240409 |
| 0:10:10.916201 | LOG | PULL\_DATA: 02 41c6 02 aa555a0000240409 |
| 0:10:10.916201 | LOG | PULL\_ACK: 02 41c6 04 |
| 0:10:14.098004 | LOG | PUSH\_ACK: 02 117e 01 |
| 0:10:14.100065 | LOG | PUSH\_DATA: Protocol version = 02, Token = 117e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1027103398, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AlADgfdezqdfR'}]} |
| 0:10:14.100065 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0094, FOpts: ), FPort: e0, FRMPayload: 0081, MIC: b3a9d7d1) |
| 0:10:14.100065 | LOG | Server <-------------------- DUT |
| 0:10:14.100065 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 0089, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e65fb5bb) |
| 0:10:14.100065 | LOG | PULL\_RESP: Protocol version = 02, Token = 7623, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1029103398, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AiQDgRK2CIky8dqFe2yfb/Hb3Prw+Tzvlpki6edvKmOajO7/zLhK56v2UOLJD6g58wb7ULCATMhjmX7W7'}} |
| 0:10:14.100065 | LOG | Server --------------------> DUT |
| 0:10:14.100065 | LOG | TX\_ACK: 02 7623 05 aa555a0000240409 |
| 0:10:18.941093 | LOG | PUSH\_ACK: 02 117f 01 |
| 0:10:18.941093 | LOG | PUSH\_DATA: Protocol version = 02, Token = 117f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1031945829, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AlQDg4uPLwoBm'}]} |
| 0:10:18.941093 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0095, FOpts: ), FPort: e0, FRMPayload: 0082, MIC: cbc28066) |
| 0:10:18.941093 | LOG | Server <-------------------- DUT |
| 0:10:18.949137 | LOG | Number of downlinks: 60 |
| 0:10:18.949137 | LOG | Number of errors: 0 |
| 0:10:18.959107 | LOG | Packet Error Rate (%): 0.0 |
| 0:10:18.959107 | LOG | Packet error rate SF8BW125 process tested successfully |
| 0:10:18.959107 | LOG | End Test Step: Test packet error rate for RX2 window |
| 0:10:18.959107 | LOG | Partial Verdict: PASS |
| 0:10:18.959107 | LOG | ========================================================= |
| 0:10:18.969106 | LOG | ========================================================= |
| 0:10:18.969106 | LOG | Start Test Step: Test mode deactivation |
| 0:10:18.969106 | LOG | Test Mode deactivation process starts |
| 0:10:18.979139 | LOG | End Test Step: Test mode deactivation |
| 0:10:18.979139 | LOG | TEST STEP NOT APPLICABLE |
| 0:10:18.979139 | LOG | ========================================================= |
| 0:10:18.979139 | LOG | End Test Case: TP\_A\_US915\_ED\_MAC\_BV\_004 |
| 0:10:18.979139 | LOG | Final Verdict: PASS |

|  |  |  |
| --- | --- | --- |
| **Test Case** | TP\_A\_US915\_ED\_MAC\_BV\_005 | |
| **Verdict** | PASS | |
| **Date** | 2021-08-03 16:47:30 | |
| **Description** | Downlink window timing | |
| **Technology Version** | LCTT v3.3.0\_R1 | GUI v1.9.0 | |
| **Core Version** | LoRaWAN\_L2v1.0.4/RP2\_v1.0.1 | |
| **Test Specs Version** | USv1.5.1/EUv1.6/KRv1.2.1/ASv1.1.1/INv1.1.1/ALL\_Av1.3/ALL\_Cv1.0 | |
| **Project** | HTLRBL32L - US915 | |
| **Project Creation Date** | 2021-07-19 10:56:56 | |
| **Sample** | DevID:HTLRBL32L testboard | AppID:1 | SW:1 | HW:1 | |
| **Parameters** | Conformance | TRUE |

|  |  |  |
| --- | --- | --- |
| **Time Stamp (ms)** | **Event** | **Summary** |
| 0:00:00.010367 | LOG | Start Test Case: TP\_A\_US915\_ED\_MAC\_BV\_005 |
| 0:00:00.028723 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT UPDATES. |
| 0:00:00.036784 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT TECHNOLOGY PACKAGES. |
| 0:00:00.038873 | LOG | ========================================================= |
| 0:00:00.038873 | LOG | Start Test Step: Device activation |
| 0:00:00.087428 | LOG | Activation process has finished successfully |
| 0:00:00.089474 | LOG | Data stored in the DUT after Activation: |
| 0:00:00.089474 | LOG | DevAddr: efbeadde |
| 0:00:00.089474 | LOG | AppEUI: 1111111111111111 |
| 0:00:00.089474 | LOG | NwkSKey: 11111111111111111111111111111111 |
| 0:00:00.089474 | LOG | AppSKey: 11111111111111111111111111111111 |
| 0:00:00.097522 | LOG | End Test Step: Device activation |
| 0:00:00.097522 | LOG | Partial Verdict: PASS |
| 0:00:00.097522 | LOG | ========================================================= |
| 0:00:00.097522 | LOG | ========================================================= |
| 0:00:00.097522 | LOG | Start Test Step: Test mode activation |
| 0:00:00.107486 | LOG | Test Mode activation process starts |
| 0:00:00.107486 | LOG | Test Mode has been enabled successfully |
| 0:00:00.117486 | LOG | Send LinkADRReq process starts |
| 0:00:00.347430 | LOG | PULL\_DATA: 02 7f2d 02 aa555a0000240409 |
| 0:00:00.347430 | LOG | PULL\_ACK: 02 7f2d 04 |
| 0:00:00.347430 | LOG | First PULL\_DATA received |
| 0:00:03.107267 | LOG | PUSH\_ACK: 02 1180 01 |
| 0:00:03.107267 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1180, Identifier = 00, JSON = {'rxpk': [{'tmst': 1036788293, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AlgDgK+CZ+Tt6'}]} |
| 0:00:03.107267 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0096, FOpts: ), FPort: e0, FRMPayload: 0082, MIC: 99f93b7a) |
| 0:00:03.107267 | LOG | Server <-------------------- DUT |
| 0:00:03.107267 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 008a, FOpts: ), FPort: 00, FRMPayload: 0345010071), MIC: 35b785fd) |
| 0:00:03.107267 | LOG | PULL\_RESP: Protocol version = 02, Token = 17a6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1037788293, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AigAAYYCWp281t4X9'}} |
| 0:00:03.107267 | LOG | Server --------------------> DUT |
| 0:00:03.107267 | LOG | TX\_ACK: 02 17a6 05 aa555a0000240409 |
| 0:00:07.912660 | LOG | PUSH\_ACK: 02 1181 01 |
| 0:00:07.912660 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1181, Identifier = 00, JSON = {'rxpk': [{'tmst': 1041551951, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 5.3, 'rssi': -48, 'size': 17, 'data': 'QO++rd6ClwADB+Dpe13SUUc='}]} |
| 0:00:07.912660 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0097, FOpts: 0307), FPort: e0, FRMPayload: 0083, MIC: 5dd25147) |
| 0:00:07.912660 | LOG | Server <-------------------- DUT |
| 0:00:07.912660 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:07.912660 | LOG | Command Answer: 0307 |
| 0:00:07.922622 | LOG | MAC command communication completed |
| 0:00:07.922622 | LOG | Send LinkADRReq process starts |
| 0:00:10.492916 | LOG | PULL\_DATA: 02 8681 02 aa555a0000240409 |
| 0:00:10.492916 | LOG | PULL\_ACK: 02 8681 04 |
| 0:00:12.693291 | LOG | PUSH\_ACK: 02 1182 01 |
| 0:00:12.693291 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1182, Identifier = 00, JSON = {'rxpk': [{'tmst': 1046399159, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AmADg7xsXYPlj'}]} |
| 0:00:12.693291 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0098, FOpts: ), FPort: e0, FRMPayload: 0083, MIC: 1760f963) |
| 0:00:12.693291 | LOG | Server <-------------------- DUT |
| 0:00:12.693291 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 008b, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: ebe7ee34) |
| 0:00:12.693291 | LOG | PULL\_RESP: Protocol version = 02, Token = de66, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1047399159, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AiwAAp2ww5pvr5+40'}} |
| 0:00:12.693291 | LOG | Server --------------------> DUT |
| 0:00:12.693291 | LOG | TX\_ACK: 02 de66 05 aa555a0000240409 |
| 0:00:17.665264 | LOG | PUSH\_ACK: 02 1183 01 |
| 0:00:17.667313 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1183, Identifier = 00, JSON = {'rxpk': [{'tmst': 1051351697, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -44, 'size': 17, 'data': 'QO++rd6CmQADB+ALuNPE0D0='}]} |
| 0:00:17.667313 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0099, FOpts: 0307), FPort: e0, FRMPayload: 0084, MIC: d3c4d03d) |
| 0:00:17.667313 | LOG | Server <-------------------- DUT |
| 0:00:17.667313 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:17.667313 | LOG | Command Answer: 0307 |
| 0:00:17.667313 | LOG | MAC command communication completed |
| 0:00:17.675379 | LOG | End Test Step: Test mode activation |
| 0:00:17.675379 | LOG | Partial Verdict: PASS |
| 0:00:17.675379 | LOG | ========================================================= |
| 0:00:17.675379 | LOG | ========================================================= |
| 0:00:17.685382 | LOG | Start Test Step: Test RX1 downlink at +20 microseconds |
| 0:00:17.685382 | LOG | Test Echo service process starts |
| 0:00:20.530990 | LOG | PULL\_DATA: 02 e956 02 aa555a0000240409 |
| 0:00:20.530990 | LOG | PULL\_ACK: 02 e956 04 |
| 0:00:22.543810 | LOG | PUSH\_ACK: 02 1185 01 |
| 0:00:22.545905 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1185, Identifier = 00, JSON = {'rxpk': [{'tmst': 1056193873, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AmgDgecvoroH5'}]} |
| 0:00:22.545905 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 009a, FOpts: ), FPort: e0, FRMPayload: 0084, MIC: e8ae81f9) |
| 0:00:22.545905 | LOG | Server <-------------------- DUT |
| 0:00:22.545905 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 008c, FOpts: ), FPort: e0, FRMPayload: 0401), MIC: 7566bc51) |
| 0:00:22.545905 | LOG | PULL\_RESP: Protocol version = 02, Token = 09d7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1057193893, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4AjADg2TR1ZrxR'}} |
| 0:00:22.545905 | LOG | Server --------------------> DUT |
| 0:00:22.545905 | LOG | TX\_ACK: 02 09d7 05 aa555a0000240409 |
| 0:00:27.319641 | LOG | PUSH\_ACK: 02 1186 01 |
| 0:00:27.321730 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1186, Identifier = 00, JSON = {'rxpk': [{'tmst': 1061036382, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AmwDgaJ8LUeor'}]} |
| 0:00:27.321730 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 009b, FOpts: ), FPort: e0, FRMPayload: 0402, MIC: 0b51ea2b) |
| 0:00:27.321730 | LOG | Server <-------------------- DUT |
| 0:00:27.321730 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:00:27.321730 | LOG | Echo service tested successfully |
| 0:00:27.321730 | LOG | End Test Step: Test RX1 downlink at +20 microseconds |
| 0:00:27.321730 | LOG | Partial Verdict: PASS |
| 0:00:27.329769 | LOG | ========================================================= |
| 0:00:27.329769 | LOG | ========================================================= |
| 0:00:27.329769 | LOG | Start Test Step: Test RX2 downlink at +20 microseconds |
| 0:00:27.339743 | LOG | Test Echo service process starts |
| 0:00:30.569983 | LOG | PULL\_DATA: 02 1303 02 aa555a0000240409 |
| 0:00:30.569983 | LOG | PULL\_ACK: 02 1303 04 |
| 0:00:32.176086 | LOG | PUSH\_ACK: 02 1187 01 |
| 0:00:32.176086 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1187, Identifier = 00, JSON = {'rxpk': [{'tmst': 1065878838, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AnADg9V6sSLbg'}]} |
| 0:00:32.176086 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 009c, FOpts: ), FPort: e0, FRMPayload: 0085, MIC: ac48b6e0) |
| 0:00:32.176086 | LOG | Server <-------------------- DUT |
| 0:00:32.176086 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 008d, FOpts: ), FPort: e0, FRMPayload: 0401), MIC: 668d7b10) |
| 0:00:32.176086 | LOG | PULL\_RESP: Protocol version = 02, Token = 2927, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1067878858, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4AjQDgFzBmjXsQ'}} |
| 0:00:32.176086 | LOG | Server --------------------> DUT |
| 0:00:32.176086 | LOG | TX\_ACK: 02 2927 05 aa555a0000240409 |
| 0:00:37.061992 | LOG | PUSH\_ACK: 02 1188 01 |
| 0:00:37.064040 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1188, Identifier = 00, JSON = {'rxpk': [{'tmst': 1070721305, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AnQDgUi8zncNn'}]} |
| 0:00:37.064040 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 009d, FOpts: ), FPort: e0, FRMPayload: 0402, MIC: 339dc367) |
| 0:00:37.064040 | LOG | Server <-------------------- DUT |
| 0:00:37.064040 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:00:37.064040 | LOG | Echo service tested successfully |
| 0:00:37.064040 | LOG | End Test Step: Test RX2 downlink at +20 microseconds |
| 0:00:37.072101 | LOG | Partial Verdict: PASS |
| 0:00:37.072101 | LOG | ========================================================= |
| 0:00:37.072101 | LOG | ========================================================= |
| 0:00:37.072101 | LOG | Start Test Step: Test RX1 downlink at -20 microseconds |
| 0:00:37.082051 | LOG | Test Echo service process starts |
| 0:00:40.602719 | LOG | PULL\_DATA: 02 2983 02 aa555a0000240409 |
| 0:00:40.602719 | LOG | PULL\_ACK: 02 2983 04 |
| 0:00:41.847334 | LOG | PUSH\_ACK: 02 1189 01 |
| 0:00:41.849378 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1189, Identifier = 00, JSON = {'rxpk': [{'tmst': 1075563993, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -42, 'size': 15, 'data': 'QO++rd6AngDgu0qD6H/t'}]} |
| 0:00:41.849378 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 009e, FOpts: ), FPort: e0, FRMPayload: 0086, MIC: 83e87fed) |
| 0:00:41.849378 | LOG | Server <-------------------- DUT |
| 0:00:41.849378 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 008e, FOpts: ), FPort: e0, FRMPayload: 0401), MIC: 3faab844) |
| 0:00:41.849378 | LOG | PULL\_RESP: Protocol version = 02, Token = ead2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1076563973, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4AjgDg7Bw/qrhE'}} |
| 0:00:41.849378 | LOG | Server --------------------> DUT |
| 0:00:41.849378 | LOG | TX\_ACK: 02 ead2 05 aa555a0000240409 |
| 0:00:46.702607 | LOG | PUSH\_ACK: 02 118a 01 |
| 0:00:46.702607 | LOG | PUSH\_DATA: Protocol version = 02, Token = 118a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1080406421, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AnwDgoXZkwdX1'}]} |
| 0:00:46.702607 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 009f, FOpts: ), FPort: e0, FRMPayload: 0402, MIC: 64c1d5f5) |
| 0:00:46.702607 | LOG | Server <-------------------- DUT |
| 0:00:46.702607 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:00:46.702607 | LOG | Echo service tested successfully |
| 0:00:46.702607 | LOG | End Test Step: Test RX1 downlink at -20 microseconds |
| 0:00:46.710718 | LOG | Partial Verdict: PASS |
| 0:00:46.710718 | LOG | ========================================================= |
| 0:00:46.710718 | LOG | ========================================================= |
| 0:00:46.710718 | LOG | Start Test Step: Test RX2 downlink at -20 microseconds |
| 0:00:46.720647 | LOG | Test Echo service process starts |
| 0:00:50.723113 | LOG | PULL\_DATA: 02 0405 02 aa555a0000240409 |
| 0:00:50.723113 | LOG | PULL\_ACK: 02 0405 04 |
| 0:00:51.532965 | LOG | PUSH\_ACK: 02 118c 01 |
| 0:00:51.535045 | LOG | PUSH\_DATA: Protocol version = 02, Token = 118c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1085248925, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AoADg+hM3pWnW'}]} |
| 0:00:51.535045 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00a0, FOpts: ), FPort: e0, FRMPayload: 0087, MIC: 37a569d6) |
| 0:00:51.535045 | LOG | Server <-------------------- DUT |
| 0:00:51.535045 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: 008f, FOpts: ), FPort: e0, FRMPayload: 0401), MIC: 0cb71715) |
| 0:00:51.535045 | LOG | PULL\_RESP: Protocol version = 02, Token = e716, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1087248905, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4AjwDg3o8MtxcV'}} |
| 0:00:51.535045 | LOG | Server --------------------> DUT |
| 0:00:51.535045 | LOG | TX\_ACK: 02 e716 05 aa555a0000240409 |
| 0:00:56.499697 | LOG | PUSH\_ACK: 02 118d 01 |
| 0:00:56.499697 | LOG | PUSH\_DATA: Protocol version = 02, Token = 118d, Identifier = 00, JSON = {'rxpk': [{'tmst': 1090131923, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AoQDgU6J0zX00'}]} |
| 0:00:56.499697 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00a1, FOpts: ), FPort: e0, FRMPayload: 0402, MIC: 74cd7d34) |
| 0:00:56.499697 | LOG | Server <-------------------- DUT |
| 0:00:56.499697 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:00:56.499697 | LOG | Echo service tested successfully |
| 0:00:56.499697 | LOG | End Test Step: Test RX2 downlink at -20 microseconds |
| 0:00:56.509662 | LOG | Partial Verdict: PASS |
| 0:00:56.509662 | LOG | ========================================================= |
| 0:00:56.509662 | LOG | ========================================================= |
| 0:00:56.509662 | LOG | Start Test Step: Test mode deactivation |
| 0:00:56.519672 | LOG | Test Mode deactivation process starts |
| 0:00:56.519672 | LOG | End Test Step: Test mode deactivation |
| 0:00:56.519672 | LOG | TEST STEP NOT APPLICABLE |
| 0:00:56.529660 | LOG | ========================================================= |
| 0:00:56.529660 | LOG | End Test Case: TP\_A\_US915\_ED\_MAC\_BV\_005 |
| 0:00:56.529660 | LOG | Final Verdict: PASS |

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| **Test Case** | TP\_A\_US915\_ED\_MAC\_BV\_007 | |
| **Verdict** | PASS | |
| **Date** | 2021-08-03 16:50:44 | |
| **Description** | DevStatusReq MAC command | |
| **Technology Version** | LCTT v3.3.0\_R1 | GUI v1.9.0 | |
| **Core Version** | LoRaWAN\_L2v1.0.4/RP2\_v1.0.1 | |
| **Test Specs Version** | USv1.5.1/EUv1.6/KRv1.2.1/ASv1.1.1/INv1.1.1/ALL\_Av1.3/ALL\_Cv1.0 | |
| **Project** | HTLRBL32L - US915 | |
| **Project Creation Date** | 2021-07-19 10:56:56 | |
| **Sample** | DevID:HTLRBL32L testboard | AppID:1 | SW:1 | HW:1 | |
| **Parameters** | Conformance | TRUE |

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| **Time Stamp (ms)** | **Event** | **Summary** |
| 0:00:00.020277 | LOG | Start Test Case: TP\_A\_US915\_ED\_MAC\_BV\_007 |
| 0:00:00.040504 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT UPDATES. |
| 0:00:00.040504 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT TECHNOLOGY PACKAGES. |
| 0:00:00.050746 | LOG | ========================================================= |
| 0:00:00.050746 | LOG | Start Test Step: Device activation |
| 0:00:00.088906 | LOG | Activation process has finished successfully |
| 0:00:00.108906 | LOG | Data stored in the DUT after Activation: |
| 0:00:00.118957 | LOG | DevAddr: efbeadde |
| 0:00:00.118957 | LOG | AppEUI: 1111111111111111 |
| 0:00:00.118957 | LOG | NwkSKey: 11111111111111111111111111111111 |
| 0:00:00.118957 | LOG | AppSKey: 11111111111111111111111111111111 |
| 0:00:00.118957 | LOG | End Test Step: Device activation |
| 0:00:00.127071 | LOG | Partial Verdict: PASS |
| 0:00:00.127071 | LOG | ========================================================= |
| 0:00:00.127071 | LOG | ========================================================= |
| 0:00:00.127071 | LOG | Start Test Step: Test mode activation |
| 0:00:00.137033 | LOG | Test Mode activation process starts |
| 0:00:00.137033 | LOG | Test Mode has been enabled successfully |
| 0:00:00.137033 | LOG | Send LinkADRReq process starts |
| 0:00:01.071583 | LOG | PUSH\_DATA received while waiting first PULL\_DATA |
| 0:00:05.861834 | LOG | PUSH\_DATA received while waiting first PULL\_DATA |
| 0:00:06.567618 | LOG | PULL\_DATA: 02 e6e8 02 aa555a0000240409 |
| 0:00:06.605732 | LOG | PULL\_ACK: 02 e6e8 04 |
| 0:00:06.605732 | LOG | First PULL\_DATA received |
| 0:00:10.712785 | LOG | PUSH\_ACK: 02 11b2 01 |
| 0:00:10.732523 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11b2, Identifier = 00, JSON = {'rxpk': [{'tmst': 1240391799, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AwADgvI3HdNc2'}]} |
| 0:00:10.732523 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00c0, FOpts: ), FPort: e0, FRMPayload: 0093, MIC: c774d736) |
| 0:00:10.732523 | LOG | Server <-------------------- DUT |
| 0:00:10.732523 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a425, FOpts: ), FPort: 00, FRMPayload: 0345010071), MIC: 294e5da6) |
| 0:00:10.732523 | LOG | PULL\_RESP: Protocol version = 02, Token = 136c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1241391779, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AJaQA5P2cJkkpTl2m'}} |
| 0:00:10.732523 | LOG | Server --------------------> DUT |
| 0:00:10.732523 | LOG | TX\_ACK: 02 136c 05 aa555a0000240409 |
| 0:00:15.515048 | LOG | PUSH\_ACK: 02 11b3 01 |
| 0:00:15.515048 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11b3, Identifier = 00, JSON = {'rxpk': [{'tmst': 1245150438, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -46, 'size': 17, 'data': 'QO++rd6CwQADB+BxWIv+EDs='}]} |
| 0:00:15.515048 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00c1, FOpts: 0307), FPort: e0, FRMPayload: 0094, MIC: 8bfe103b) |
| 0:00:15.515048 | LOG | Server <-------------------- DUT |
| 0:00:15.515048 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:15.515048 | LOG | Command Answer: 0307 |
| 0:00:15.523126 | LOG | MAC command communication completed |
| 0:00:15.523126 | LOG | Send LinkADRReq process starts |
| 0:00:16.703318 | LOG | PULL\_DATA: 02 0091 02 aa555a0000240409 |
| 0:00:16.703318 | LOG | PULL\_ACK: 02 0091 04 |
| 0:00:20.322678 | LOG | PUSH\_ACK: 02 11b4 01 |
| 0:00:20.324730 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11b4, Identifier = 00, JSON = {'rxpk': [{'tmst': 1249997650, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AwgDgF2uBC3Ha'}]} |
| 0:00:20.324730 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00c2, FOpts: ), FPort: e0, FRMPayload: 0094, MIC: 810b71da) |
| 0:00:20.324730 | LOG | Server <-------------------- DUT |
| 0:00:20.324730 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a426, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: f1872cca) |
| 0:00:20.324730 | LOG | PULL\_RESP: Protocol version = 02, Token = 55eb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1250997630, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AJqQA/zTDac7xhyzK'}} |
| 0:00:20.324730 | LOG | Server --------------------> DUT |
| 0:00:20.324730 | LOG | TX\_ACK: 02 55eb 05 aa555a0000240409 |
| 0:00:25.309307 | LOG | PUSH\_ACK: 02 11b5 01 |
| 0:00:25.311329 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11b5, Identifier = 00, JSON = {'rxpk': [{'tmst': 1254950253, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -45, 'size': 17, 'data': 'QO++rd6CwwADB+CTFwKU+lo='}]} |
| 0:00:25.311329 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00c3, FOpts: 0307), FPort: e0, FRMPayload: 0095, MIC: 0294fa5a) |
| 0:00:25.311329 | LOG | Server <-------------------- DUT |
| 0:00:25.311329 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:25.311329 | LOG | Command Answer: 0307 |
| 0:00:25.311329 | LOG | MAC command communication completed |
| 0:00:25.319403 | LOG | End Test Step: Test mode activation |
| 0:00:25.319403 | LOG | Partial Verdict: PASS |
| 0:00:25.319403 | LOG | ========================================================= |
| 0:00:25.319403 | LOG | ========================================================= |
| 0:00:25.319403 | LOG | Start Test Step: DevStatusReq MAC command |
| 0:00:25.329347 | LOG | Send DevStatusReq process starts |
| 0:00:26.909232 | LOG | PULL\_DATA: 02 be4a 02 aa555a0000240409 |
| 0:00:26.909232 | LOG | PULL\_ACK: 02 be4a 04 |
| 0:00:30.128844 | LOG | PUSH\_ACK: 02 11b6 01 |
| 0:00:30.130943 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11b6, Identifier = 00, JSON = {'rxpk': [{'tmst': 1259792405, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AxADg4AMRJrPp'}]} |
| 0:00:30.130943 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00c4, FOpts: ), FPort: e0, FRMPayload: 0095, MIC: 1126b3e9) |
| 0:00:30.130943 | LOG | Server <-------------------- DUT |
| 0:00:30.130943 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a427, FOpts: ), FPort: 00, FRMPayload: 06), MIC: 5d21db6a) |
| 0:00:30.130943 | LOG | PULL\_RESP: Protocol version = 02, Token = 6ab4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1260792385, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AJ6QAm10h22o='}} |
| 0:00:30.130943 | LOG | Server --------------------> DUT |
| 0:00:30.138998 | LOG | TX\_ACK: 02 6ab4 05 aa555a0000240409 |
| 0:00:34.949826 | LOG | PUSH\_ACK: 02 11b7 01 |
| 0:00:34.951887 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11b7, Identifier = 00, JSON = {'rxpk': [{'tmst': 1264635449, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -43, 'size': 18, 'data': 'QO++rd6DxQAGAA3gCqA5QCPO'}]} |
| 0:00:34.951887 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 83, FCnt: 00c5, FOpts: 06000d), FPort: e0, FRMPayload: 0096, MIC: 394023ce) |
| 0:00:34.951887 | LOG | Server <-------------------- DUT |
| 0:00:34.951887 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:34.951887 | LOG | Command Answer: 06000d |
| 0:00:34.951887 | LOG | Battery level (byte value) 00 |
| 0:00:34.951887 | LOG | Radio Status (byte value) 0d |
| 0:00:34.951887 | LOG | MAC command communication completed |
| 0:00:34.959952 | LOG | End Test Step: DevStatusReq MAC command |
| 0:00:34.962003 | LOG | Partial Verdict: PASS |
| 0:00:34.962003 | LOG | ========================================================= |
| 0:00:34.962003 | LOG | ========================================================= |
| 0:00:34.962003 | LOG | Start Test Step: Test mode deactivation |
| 0:00:34.972077 | LOG | Test Mode deactivation process starts |
| 0:00:34.972077 | LOG | End Test Step: Test mode deactivation |
| 0:00:34.980211 | LOG | TEST STEP NOT APPLICABLE |
| 0:00:34.980211 | LOG | ========================================================= |
| 0:00:34.980211 | LOG | End Test Case: TP\_A\_US915\_ED\_MAC\_BV\_007 |
| 0:00:34.980211 | LOG | Final Verdict: PASS |

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| **Test Case** | TP\_A\_US915\_ED\_MAC\_BV\_008 | |
| **Verdict** | PASS | |
| **Date** | 2021-08-03 16:51:23 | |
| **Description** | MAC Commands | |
| **Technology Version** | LCTT v3.3.0\_R1 | GUI v1.9.0 | |
| **Core Version** | LoRaWAN\_L2v1.0.4/RP2\_v1.0.1 | |
| **Test Specs Version** | USv1.5.1/EUv1.6/KRv1.2.1/ASv1.1.1/INv1.1.1/ALL\_Av1.3/ALL\_Cv1.0 | |
| **Project** | HTLRBL32L - US915 | |
| **Project Creation Date** | 2021-07-19 10:56:56 | |
| **Sample** | DevID:HTLRBL32L testboard | AppID:1 | SW:1 | HW:1 | |
| **Parameters** | Conformance | TRUE |

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| **Time Stamp (ms)** | **Event** | **Summary** |
| 0:00:00.140591 | LOG | Start Test Case: TP\_A\_US915\_ED\_MAC\_BV\_008 |
| 0:00:00.160576 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT UPDATES. |
| 0:00:00.160576 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT TECHNOLOGY PACKAGES. |
| 0:00:00.160576 | LOG | ========================================================= |
| 0:00:00.160576 | LOG | Start Test Step: Device activation |
| 0:00:00.210576 | LOG | Activation process has finished successfully |
| 0:00:00.250577 | LOG | Data stored in the DUT after Activation: |
| 0:00:00.250577 | LOG | DevAddr: efbeadde |
| 0:00:00.250577 | LOG | AppEUI: 1111111111111111 |
| 0:00:00.250577 | LOG | NwkSKey: 11111111111111111111111111111111 |
| 0:00:00.250577 | LOG | AppSKey: 11111111111111111111111111111111 |
| 0:00:00.250577 | LOG | End Test Step: Device activation |
| 0:00:00.260779 | LOG | Partial Verdict: PASS |
| 0:00:00.262874 | LOG | ========================================================= |
| 0:00:00.262874 | LOG | ========================================================= |
| 0:00:00.262874 | LOG | Start Test Step: Test mode activation |
| 0:00:00.272874 | LOG | Test Mode activation process starts |
| 0:00:00.272874 | LOG | Test Mode has been enabled successfully |
| 0:00:00.272874 | LOG | Send LinkADRReq process starts |
| 0:00:01.818060 | LOG | PUSH\_DATA received while waiting first PULL\_DATA |
| 0:00:06.658459 | LOG | PUSH\_DATA received while waiting first PULL\_DATA |
| 0:00:09.129772 | LOG | PULL\_DATA: 02 c938 02 aa555a0000240409 |
| 0:00:09.129772 | LOG | PULL\_ACK: 02 c938 04 |
| 0:00:09.129772 | LOG | First PULL\_DATA received |
| 0:00:11.502798 | LOG | PUSH\_ACK: 02 11bb 01 |
| 0:00:11.504823 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11bb, Identifier = 00, JSON = {'rxpk': [{'tmst': 1279162601, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -38, 'size': 15, 'data': 'QO++rd6AyADgnxDuRACR'}]} |
| 0:00:11.504823 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00c8, FOpts: ), FPort: e0, FRMPayload: 0096, MIC: ee440091) |
| 0:00:11.504823 | LOG | Server <-------------------- DUT |
| 0:00:11.504823 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a428, FOpts: ), FPort: 00, FRMPayload: 0345010071), MIC: 9e34f1ba) |
| 0:00:11.504823 | LOG | PULL\_RESP: Protocol version = 02, Token = dc75, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1280162581, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AKKQAkIlFNFSeNPG6'}} |
| 0:00:11.504823 | LOG | Server --------------------> DUT |
| 0:00:11.504823 | LOG | TX\_ACK: 02 dc75 05 aa555a0000240409 |
| 0:00:16.233531 | LOG | PUSH\_ACK: 02 11bc 01 |
| 0:00:16.233531 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11bc, Identifier = 00, JSON = {'rxpk': [{'tmst': 1283931164, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -46, 'size': 17, 'data': 'QO++rd6CyQADB+CEdc07iqk='}]} |
| 0:00:16.233531 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00c9, FOpts: 0307), FPort: e0, FRMPayload: 0097, MIC: cd3b8aa9) |
| 0:00:16.233531 | LOG | Server <-------------------- DUT |
| 0:00:16.233531 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:16.233531 | LOG | Command Answer: 0307 |
| 0:00:16.243506 | LOG | MAC command communication completed |
| 0:00:16.243506 | LOG | Send LinkADRReq process starts |
| 0:00:19.318356 | LOG | PULL\_DATA: 02 a468 02 aa555a0000240409 |
| 0:00:19.318356 | LOG | PULL\_ACK: 02 a468 04 |
| 0:00:21.078947 | LOG | PUSH\_ACK: 02 11bd 01 |
| 0:00:21.081000 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11bd, Identifier = 00, JSON = {'rxpk': [{'tmst': 1288778398, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -39, 'size': 15, 'data': 'QO++rd6AygDgvhloETJN'}]} |
| 0:00:21.081000 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00ca, FOpts: ), FPort: e0, FRMPayload: 0097, MIC: 6811324d) |
| 0:00:21.081000 | LOG | Server <-------------------- DUT |
| 0:00:21.081000 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a429, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: e223420a) |
| 0:00:21.081000 | LOG | PULL\_RESP: Protocol version = 02, Token = 52ee, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1289778378, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AKaQAImRrXbbiI0IK'}} |
| 0:00:21.081000 | LOG | Server --------------------> DUT |
| 0:00:21.081000 | LOG | TX\_ACK: 02 52ee 05 aa555a0000240409 |
| 0:00:26.033443 | LOG | PUSH\_ACK: 02 11be 01 |
| 0:00:26.033443 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11be, Identifier = 00, JSON = {'rxpk': [{'tmst': 1293731027, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -39, 'size': 17, 'data': 'QO++rd6CywADB+AVTczAIU4='}]} |
| 0:00:26.033443 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00cb, FOpts: 0307), FPort: e0, FRMPayload: 0098, MIC: ccc0214e) |
| 0:00:26.036638 | LOG | Server <-------------------- DUT |
| 0:00:26.036638 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:26.036638 | LOG | Command Answer: 0307 |
| 0:00:26.036638 | LOG | MAC command communication completed |
| 0:00:26.036638 | LOG | End Test Step: Test mode activation |
| 0:00:26.044693 | LOG | Partial Verdict: PASS |
| 0:00:26.044693 | LOG | ========================================================= |
| 0:00:26.044693 | LOG | ========================================================= |
| 0:00:26.044693 | LOG | Start Test Step: MAC Commands in App-Payload (FRMPayload) only (FPort = 0) |
| 0:00:26.054649 | LOG | Send DevStatusReq process starts |
| 0:00:29.532673 | LOG | PULL\_DATA: 02 7104 02 aa555a0000240409 |
| 0:00:29.532673 | LOG | PULL\_ACK: 02 7104 04 |
| 0:00:30.895506 | LOG | PUSH\_ACK: 02 11c0 01 |
| 0:00:30.897569 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11c0, Identifier = 00, JSON = {'rxpk': [{'tmst': 1298573131, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AzADg7dFQQHoj'}]} |
| 0:00:30.897569 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00cc, FOpts: ), FPort: e0, FRMPayload: 0098, MIC: 50407a23) |
| 0:00:30.897569 | LOG | Server <-------------------- DUT |
| 0:00:30.897569 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a42a, FOpts: ), FPort: 00, FRMPayload: 06), MIC: 1546b343) |
| 0:00:30.897569 | LOG | PULL\_RESP: Protocol version = 02, Token = d459, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1299573111, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AKqQAwBVGs0M='}} |
| 0:00:30.897569 | LOG | Server --------------------> DUT |
| 0:00:30.897569 | LOG | TX\_ACK: 02 d459 05 aa555a0000240409 |
| 0:00:35.776244 | LOG | PUSH\_ACK: 02 11c1 01 |
| 0:00:35.776244 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11c1, Identifier = 00, JSON = {'rxpk': [{'tmst': 1303416167, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -43, 'size': 18, 'data': 'QO++rd6DzQAGAA3gx1hBbIPf'}]} |
| 0:00:35.776244 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 83, FCnt: 00cd, FOpts: 06000d), FPort: e0, FRMPayload: 0099, MIC: 416c83df) |
| 0:00:35.776244 | LOG | Server <-------------------- DUT |
| 0:00:35.776244 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:35.776244 | LOG | Command Answer: 06000d |
| 0:00:35.776244 | LOG | Battery level (byte value) 00 |
| 0:00:35.776244 | LOG | Radio Status (byte value) 0d |
| 0:00:35.784459 | LOG | MAC command communication completed |
| 0:00:35.784459 | LOG | Send RXParamSetupReq process starts |
| 0:00:39.547052 | LOG | PULL\_DATA: 02 341e 02 aa555a0000240409 |
| 0:00:39.547052 | LOG | PULL\_ACK: 02 341e 04 |
| 0:00:40.627155 | LOG | PUSH\_ACK: 02 11c2 01 |
| 0:00:40.627155 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11c2, Identifier = 00, JSON = {'rxpk': [{'tmst': 1308258151, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AzgDg5EGEe1Co'}]} |
| 0:00:40.627155 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00ce, FOpts: ), FPort: e0, FRMPayload: 0099, MIC: 847b50a8) |
| 0:00:40.627155 | LOG | Server <-------------------- DUT |
| 0:00:40.627155 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a42b, FOpts: ), FPort: 00, FRMPayload: 050968e28c), MIC: efde65d5) |
| 0:00:40.627155 | LOG | PULL\_RESP: Protocol version = 02, Token = dd9c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1309258131, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AK6QAoK62eznv3mXV'}} |
| 0:00:40.627155 | LOG | Server --------------------> DUT |
| 0:00:40.627155 | LOG | TX\_ACK: 02 dd9c 05 aa555a0000240409 |
| 0:00:45.452457 | LOG | PUSH\_ACK: 02 11c3 01 |
| 0:00:45.452457 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11c3, Identifier = 00, JSON = {'rxpk': [{'tmst': 1313101026, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -41, 'size': 17, 'data': 'QO++rd6CzwAFB+BXj2+c2lU='}]} |
| 0:00:45.452457 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00cf, FOpts: 0507), FPort: e0, FRMPayload: 009a, MIC: 6f9cda55) |
| 0:00:45.452457 | LOG | Server <-------------------- DUT |
| 0:00:45.452457 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:45.452457 | LOG | Command Answer: 0507 |
| 0:00:45.462420 | LOG | MAC command communication completed |
| 0:00:45.462420 | LOG | Send RXTimingSetupReq process starts |
| 0:00:49.653677 | LOG | PULL\_DATA: 02 6338 02 aa555a0000240409 |
| 0:00:49.653677 | LOG | PULL\_ACK: 02 6338 04 |
| 0:00:50.310591 | LOG | PUSH\_ACK: 02 11c4 01 |
| 0:00:50.312638 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11c4, Identifier = 00, JSON = {'rxpk': [{'tmst': 1317943514, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -43, 'size': 17, 'data': 'QO++rd6C0AAFB+A2g2a3v/Y='}]} |
| 0:00:50.312638 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00d0, FOpts: 0507), FPort: e0, FRMPayload: 009a, MIC: 66b7bff6) |
| 0:00:50.312638 | LOG | Server <-------------------- DUT |
| 0:00:50.312638 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a42c, FOpts: ), FPort: 00, FRMPayload: 0801), MIC: f5c0c71b) |
| 0:00:50.312638 | LOG | PULL\_RESP: Protocol version = 02, Token = e54b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1318943494, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4ALKQA0mL1wMcb'}} |
| 0:00:50.312638 | LOG | Server --------------------> DUT |
| 0:00:50.312638 | LOG | TX\_ACK: 02 e54b 05 aa555a0000240409 |
| 0:00:55.108519 | LOG | PUSH\_ACK: 02 11c5 01 |
| 0:00:55.108519 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11c5, Identifier = 00, JSON = {'rxpk': [{'tmst': 1322785837, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -43, 'size': 16, 'data': 'QO++rd6B0QAI4HI6WtDC6w=='}]} |
| 0:00:55.108519 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 81, FCnt: 00d1, FOpts: 08), FPort: e0, FRMPayload: 009b, MIC: 5ad0c2eb) |
| 0:00:55.108519 | LOG | Server <-------------------- DUT |
| 0:00:55.108519 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:55.108519 | LOG | Command Answer: 08 |
| 0:00:55.114867 | LOG | MAC command communication completed |
| 0:00:55.122913 | LOG | Send LinkADRReq process starts |
| 0:00:59.744313 | LOG | PULL\_DATA: 02 be52 02 aa555a0000240409 |
| 0:00:59.744313 | LOG | PULL\_ACK: 02 be52 04 |
| 0:01:00.004310 | LOG | PUSH\_ACK: 02 11c7 01 |
| 0:01:00.004310 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11c7, Identifier = 00, JSON = {'rxpk': [{'tmst': 1327628381, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -45, 'size': 16, 'data': 'QO++rd6B0gAI4HAhNpL95w=='}]} |
| 0:01:00.004310 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 81, FCnt: 00d2, FOpts: 08), FPort: e0, FRMPayload: 009b, MIC: 3692fde7) |
| 0:01:00.004310 | LOG | Server <-------------------- DUT |
| 0:01:00.004310 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a42d, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: a7d1a797) |
| 0:01:00.004310 | LOG | PULL\_RESP: Protocol version = 02, Token = 588b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1328628381, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4ALaQA0Zqrttmn0aeX'}} |
| 0:01:00.004310 | LOG | Server --------------------> DUT |
| 0:01:00.004310 | LOG | TX\_ACK: 02 588b 05 aa555a0000240409 |
| 0:01:04.816378 | LOG | PUSH\_ACK: 02 11c8 01 |
| 0:01:04.816378 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11c8, Identifier = 00, JSON = {'rxpk': [{'tmst': 1332511757, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 17, 'data': 'QO++rd6C0wADB+BLVH5jfo4='}]} |
| 0:01:04.816378 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00d3, FOpts: 0307), FPort: e0, FRMPayload: 009c, MIC: 7e637e8e) |
| 0:01:04.816378 | LOG | Server <-------------------- DUT |
| 0:01:04.816378 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:01:04.816378 | LOG | Command Answer: 0307 |
| 0:01:04.816378 | LOG | MAC command communication completed |
| 0:01:04.826378 | LOG | End Test Step: MAC Commands in App-Payload (FRMPayload) only (FPort = 0) |
| 0:01:04.826378 | LOG | Partial Verdict: PASS |
| 0:01:04.826378 | LOG | ========================================================= |
| 0:01:04.826378 | LOG | ========================================================= |
| 0:01:04.826378 | LOG | Start Test Step: MAC Commands in App-Payload (FRMPayload) and FOpts |
| 0:01:04.836391 | LOG | Send MAC command in FOpts and FRMPayload process starts |
| 0:01:09.673377 | LOG | PUSH\_ACK: 02 11c9 01 |
| 0:01:09.675449 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11c9, Identifier = 00, JSON = {'rxpk': [{'tmst': 1337353909, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -44, 'size': 15, 'data': 'QO++rd6A1ADgvdl8m0Mf'}]} |
| 0:01:09.675449 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00d4, FOpts: ), FPort: e0, FRMPayload: 009c, MIC: 7c9b431f) |
| 0:01:09.675449 | LOG | Server <-------------------- DUT |
| 0:01:09.675449 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 01, FCnt: a42e, FOpts: 06), FPort: 00, FRMPayload: 06), MIC: ea27d80c) |
| 0:01:09.675449 | LOG | PULL\_RESP: Protocol version = 02, Token = 420e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1338353909, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4BLqQGAIHqJ9gM'}} |
| 0:01:09.675449 | LOG | Server --------------------> DUT |
| 0:01:09.675449 | LOG | TX\_ACK: 02 420e 05 aa555a0000240409 |
| 0:01:09.893491 | LOG | PULL\_DATA: 02 9386 02 aa555a0000240409 |
| 0:01:09.893491 | LOG | PULL\_ACK: 02 9386 04 |
| 0:01:14.556030 | LOG | PUSH\_ACK: 02 11ca 01 |
| 0:01:14.556030 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11ca, Identifier = 00, JSON = {'rxpk': [{'tmst': 1342196351, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6A1QDg5Dh8eZXE'}]} |
| 0:01:14.556030 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00d5, FOpts: ), FPort: e0, FRMPayload: 009c, MIC: 7c7995c4) |
| 0:01:14.556030 | LOG | Server <-------------------- DUT |
| 0:01:14.556030 | LOG | MAC command not received because FPort field is not set to 0 and FOpts field is empty |
| 0:01:14.556030 | LOG | MAC command communication completed |
| 0:01:14.556030 | LOG | Send MAC command in FOpts and FRMPayload process starts |
| 0:01:19.362146 | LOG | PUSH\_ACK: 02 11cb 01 |
| 0:01:19.364268 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11cb, Identifier = 00, JSON = {'rxpk': [{'tmst': 1347038903, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -41, 'size': 15, 'data': 'QO++rd6A1gDgBGNt+xlV'}]} |
| 0:01:19.364268 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00d6, FOpts: ), FPort: e0, FRMPayload: 009c, MIC: 6dfb1955) |
| 0:01:19.364268 | LOG | Server <-------------------- DUT |
| 0:01:19.364268 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 01, FCnt: a42f, FOpts: 06), FPort: 00, FRMPayload: 06), MIC: 960fa4ef) |
| 0:01:19.364268 | LOG | PULL\_RESP: Protocol version = 02, Token = 04d9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1348038903, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4BL6QGAPaWD6Tv'}} |
| 0:01:19.364268 | LOG | Server --------------------> DUT |
| 0:01:19.364268 | LOG | TX\_ACK: 02 04d9 05 aa555a0000240409 |
| 0:01:20.001268 | LOG | PULL\_DATA: 02 7774 02 aa555a0000240409 |
| 0:01:20.001268 | LOG | PULL\_ACK: 02 7774 04 |
| 0:01:24.214563 | LOG | PUSH\_ACK: 02 11cc 01 |
| 0:01:24.216633 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11cc, Identifier = 00, JSON = {'rxpk': [{'tmst': 1351881431, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6A1wDg5maT87m8'}]} |
| 0:01:24.216633 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00d7, FOpts: ), FPort: e0, FRMPayload: 009c, MIC: 93f3b9bc) |
| 0:01:24.216633 | LOG | Server <-------------------- DUT |
| 0:01:24.216633 | LOG | MAC command not received because FPort field is not set to 0 and FOpts field is empty |
| 0:01:24.216633 | LOG | MAC command communication completed |
| 0:01:24.216633 | LOG | End Test Step: MAC Commands in App-Payload (FRMPayload) and FOpts |
| 0:01:24.216633 | LOG | Partial Verdict: PASS |
| 0:01:24.224737 | LOG | ========================================================= |
| 0:01:24.224737 | LOG | ========================================================= |
| 0:01:24.224737 | LOG | Start Test Step: Test mode deactivation |
| 0:01:24.234687 | LOG | Test Mode deactivation process starts |
| 0:01:24.234687 | LOG | End Test Step: Test mode deactivation |
| 0:01:24.234687 | LOG | TEST STEP NOT APPLICABLE |
| 0:01:24.234687 | LOG | ========================================================= |
| 0:01:24.244687 | LOG | End Test Case: TP\_A\_US915\_ED\_MAC\_BV\_008 |
| 0:01:24.244687 | LOG | Final Verdict: PASS |

|  |  |  |
| --- | --- | --- |
| **Test Case** | TP\_A\_US915\_ED\_MAC\_BV\_010 | |
| **Verdict** | PASS | |
| **Date** | 2021-08-03 16:52:50 | |
| **Description** | Confirmed packets | |
| **Technology Version** | LCTT v3.3.0\_R1 | GUI v1.9.0 | |
| **Core Version** | LoRaWAN\_L2v1.0.4/RP2\_v1.0.1 | |
| **Test Specs Version** | USv1.5.1/EUv1.6/KRv1.2.1/ASv1.1.1/INv1.1.1/ALL\_Av1.3/ALL\_Cv1.0 | |
| **Project** | HTLRBL32L - US915 | |
| **Project Creation Date** | 2021-07-19 10:56:56 | |
| **Sample** | DevID:HTLRBL32L testboard | AppID:1 | SW:1 | HW:1 | |
| **Parameters** | Conformance | TRUE |

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| --- | --- | --- |
| **Time Stamp (ms)** | **Event** | **Summary** |
| 0:00:00.009776 | LOG | Start Test Case: TP\_A\_US915\_ED\_MAC\_BV\_010 |
| 0:00:00.039818 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT UPDATES. |
| 0:00:00.039818 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT TECHNOLOGY PACKAGES. |
| 0:00:00.048325 | LOG | ========================================================= |
| 0:00:00.048325 | LOG | Start Test Step: Device activation |
| 0:00:00.088329 | LOG | Activation process has finished successfully |
| 0:00:00.088329 | LOG | Data stored in the DUT after Activation: |
| 0:00:00.088329 | LOG | DevAddr: efbeadde |
| 0:00:00.098355 | LOG | AppEUI: 1111111111111111 |
| 0:00:00.098355 | LOG | NwkSKey: 11111111111111111111111111111111 |
| 0:00:00.098355 | LOG | AppSKey: 11111111111111111111111111111111 |
| 0:00:00.098355 | LOG | End Test Step: Device activation |
| 0:00:00.098355 | LOG | Partial Verdict: PASS |
| 0:00:00.098355 | LOG | ========================================================= |
| 0:00:00.108366 | LOG | ========================================================= |
| 0:00:00.108366 | LOG | Start Test Step: Test mode activation |
| 0:00:00.118328 | LOG | Test Mode activation process starts |
| 0:00:00.118328 | LOG | Test Mode has been enabled successfully |
| 0:00:00.118328 | LOG | Send LinkADRReq process starts |
| 0:00:02.739075 | LOG | PUSH\_DATA received while waiting first PULL\_DATA |
| 0:00:03.781157 | LOG | PULL\_DATA: 02 8002 02 aa555a0000240409 |
| 0:00:03.781157 | LOG | PULL\_ACK: 02 8002 04 |
| 0:00:03.781157 | LOG | First PULL\_DATA received |
| 0:00:07.588944 | LOG | PUSH\_ACK: 02 11cf 01 |
| 0:00:07.588944 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11cf, Identifier = 00, JSON = {'rxpk': [{'tmst': 1361566591, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6A2QDgWGhRyj+2'}]} |
| 0:00:07.588944 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00d9, FOpts: ), FPort: e0, FRMPayload: 009c, MIC: 51ca3fb6) |
| 0:00:07.588944 | LOG | Server <-------------------- DUT |
| 0:00:07.588944 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a430, FOpts: ), FPort: 00, FRMPayload: 0345010071), MIC: e61a8da8) |
| 0:00:07.588944 | LOG | PULL\_RESP: Protocol version = 02, Token = df13, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1362566591, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AMKQAg7Nd7zHmGo2o'}} |
| 0:00:07.588944 | LOG | Server --------------------> DUT |
| 0:00:07.588944 | LOG | TX\_ACK: 02 df13 05 aa555a0000240409 |
| 0:00:12.367970 | LOG | PUSH\_ACK: 02 11d0 01 |
| 0:00:12.367970 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11d0, Identifier = 00, JSON = {'rxpk': [{'tmst': 1366340236, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 17, 'data': 'QO++rd6C2gADB+DGtkK0f+k='}]} |
| 0:00:12.367970 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00da, FOpts: 0307), FPort: e0, FRMPayload: 009d, MIC: 42b47fe9) |
| 0:00:12.367970 | LOG | Server <-------------------- DUT |
| 0:00:12.367970 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:12.367970 | LOG | Command Answer: 0307 |
| 0:00:12.376024 | LOG | MAC command communication completed |
| 0:00:12.376024 | LOG | Send LinkADRReq process starts |
| 0:00:13.931868 | LOG | PULL\_DATA: 02 7a46 02 aa555a0000240409 |
| 0:00:13.931868 | LOG | PULL\_ACK: 02 7a46 04 |
| 0:00:17.221296 | LOG | PUSH\_ACK: 02 11d1 01 |
| 0:00:17.221296 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11d1, Identifier = 00, JSON = {'rxpk': [{'tmst': 1371187502, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6A2wDg9n1VWQ3a'}]} |
| 0:00:17.221296 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00db, FOpts: ), FPort: e0, FRMPayload: 009d, MIC: 55590dda) |
| 0:00:17.221296 | LOG | Server <-------------------- DUT |
| 0:00:17.221296 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a431, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: 399a3b85) |
| 0:00:17.221296 | LOG | PULL\_RESP: Protocol version = 02, Token = 62c1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1372187502, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AMaQA87c1/YU5mjuF'}} |
| 0:00:17.221296 | LOG | Server --------------------> DUT |
| 0:00:17.221296 | LOG | TX\_ACK: 02 62c1 05 aa555a0000240409 |
| 0:00:22.207767 | LOG | PUSH\_ACK: 02 11d2 01 |
| 0:00:22.209819 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11d2, Identifier = 00, JSON = {'rxpk': [{'tmst': 1376140069, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -44, 'size': 17, 'data': 'QO++rd6C3AADB+BgdKG0paw='}]} |
| 0:00:22.209819 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00dc, FOpts: 0307), FPort: e0, FRMPayload: 009e, MIC: a1b4a5ac) |
| 0:00:22.209819 | LOG | Server <-------------------- DUT |
| 0:00:22.209819 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:22.209819 | LOG | Command Answer: 0307 |
| 0:00:22.209819 | LOG | MAC command communication completed |
| 0:00:22.217882 | LOG | End Test Step: Test mode activation |
| 0:00:22.217882 | LOG | Partial Verdict: PASS |
| 0:00:22.217882 | LOG | ========================================================= |
| 0:00:22.217882 | LOG | ========================================================= |
| 0:00:22.217882 | LOG | Start Test Step: Confirmed Uplinks |
| 0:00:22.227833 | LOG | Test Confirmed mode process starts |
| 0:00:24.036703 | LOG | PULL\_DATA: 02 b98f 02 aa555a0000240409 |
| 0:00:24.036703 | LOG | PULL\_ACK: 02 b98f 04 |
| 0:00:26.989174 | LOG | PUSH\_ACK: 02 11d3 01 |
| 0:00:26.991193 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11d3, Identifier = 00, JSON = {'rxpk': [{'tmst': 1380982245, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6A3QDgmxaOyN8z'}]} |
| 0:00:26.991193 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00dd, FOpts: ), FPort: e0, FRMPayload: 009e, MIC: 8ec8df33) |
| 0:00:26.991193 | LOG | Server <-------------------- DUT |
| 0:00:26.991193 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a432, FOpts: ), FPort: e0, FRMPayload: 02), MIC: ff62fc02) |
| 0:00:26.991193 | LOG | PULL\_RESP: Protocol version = 02, Token = d9b1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1381982245, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AMqTgrf9i/AI='}} |
| 0:00:26.991193 | LOG | Server --------------------> DUT |
| 0:00:26.991193 | LOG | TX\_ACK: 02 d9b1 05 aa555a0000240409 |
| 0:00:31.895659 | LOG | PUSH\_ACK: 02 11d5 01 |
| 0:00:31.895659 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11d5, Identifier = 00, JSON = {'rxpk': [{'tmst': 1385824947, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -43, 'size': 15, 'data': 'gO++rd6A3gDg4pBp/2OA'}]} |
| 0:00:31.895659 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00de, FOpts: ), FPort: e0, FRMPayload: 009f, MIC: 69ff6380) |
| 0:00:31.898640 | LOG | Server <-------------------- DUT |
| 0:00:31.898640 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 20, FCnt: a433, FOpts: ), FPort: , FRMPayload: ), MIC: 5013e636) |
| 0:00:31.898640 | LOG | PULL\_RESP: Protocol version = 02, Token = b538, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1386824947, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4gM6RQE+Y2'}} |
| 0:00:31.898640 | LOG | Server --------------------> DUT |
| 0:00:31.898640 | LOG | Confirmed mode tested successfully |
| 0:00:31.898640 | LOG | End Test Step: Confirmed Uplinks |
| 0:00:31.898640 | LOG | Partial Verdict: PASS |
| 0:00:31.906690 | LOG | ========================================================= |
| 0:00:31.906690 | LOG | ========================================================= |
| 0:00:31.906690 | LOG | Start Test Step: Confirmed Uplink Retransmission |
| 0:00:31.916653 | LOG | Uplink retransmission process starts |
| 0:00:34.152980 | LOG | PULL\_DATA: 02 6beb 02 aa555a0000240409 |
| 0:00:34.153978 | LOG | PULL\_ACK: 02 6beb 04 |
| 0:00:36.711307 | LOG | PUSH\_ACK: 02 11d6 01 |
| 0:00:36.711307 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11d6, Identifier = 00, JSON = {'rxpk': [{'tmst': 1390667470, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -43, 'size': 15, 'data': 'gO++rd6A3wDgaXdYaKN0'}]} |
| 0:00:36.711307 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00df, FOpts: ), FPort: e0, FRMPayload: 00a0, MIC: 5868a374) |
| 0:00:36.711307 | LOG | Server <-------------------- DUT |
| 0:00:36.711307 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 20, FCnt: a434, FOpts: ), FPort: e0, FRMPayload: 02), MIC: 02d5f57e) |
| 0:00:36.711307 | LOG | PULL\_RESP: Protocol version = 02, Token = 5730, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1391667470, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4gNKTgJgLV9X4='}} |
| 0:00:36.711307 | LOG | Server --------------------> DUT |
| 0:00:36.711307 | LOG | TX\_ACK: 02 5730 05 aa555a0000240409 |
| 0:00:41.526779 | LOG | PUSH\_ACK: 02 11d7 01 |
| 0:00:41.528826 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11d7, Identifier = 00, JSON = {'rxpk': [{'tmst': 1395510007, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -41, 'size': 15, 'data': 'gO++rd6A4ADgGteMTeEG'}]} |
| 0:00:41.528826 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00e0, FOpts: ), FPort: e0, FRMPayload: 00a1, MIC: 8c4de106) |
| 0:00:41.528826 | LOG | Server <-------------------- DUT |
| 0:00:44.301436 | LOG | PULL\_DATA: 02 a097 02 aa555a0000240409 |
| 0:00:44.301436 | LOG | PULL\_ACK: 02 a097 04 |
| 0:00:44.611432 | LOG | PUSH\_ACK: 02 11d8 01 |
| 0:00:44.611432 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11d8, Identifier = 00, JSON = {'rxpk': [{'tmst': 1398564367, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -41, 'size': 15, 'data': 'gO++rd6A4ADgGteMTeEG'}]} |
| 0:00:44.611432 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00e0, FOpts: ), FPort: e0, FRMPayload: 00a1, MIC: 8c4de106) |
| 0:00:44.611432 | LOG | Server <-------------------- DUT |
| 0:00:44.611432 | LOG | Uplink retransmission tested successfully |
| 0:00:44.611432 | LOG | End Test Step: Confirmed Uplink Retransmission |
| 0:00:44.611432 | LOG | Partial Verdict: PASS |
| 0:00:44.621464 | LOG | ========================================================= |
| 0:00:44.621464 | LOG | ========================================================= |
| 0:00:44.621464 | LOG | Start Test Step: Confirmed Downlinks |
| 0:00:44.631443 | LOG | Test Unconfirmed mode process starts |
| 0:00:48.139646 | LOG | PUSH\_ACK: 02 11d9 01 |
| 0:00:48.141695 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11d9, Identifier = 00, JSON = {'rxpk': [{'tmst': 1402141999, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -40, 'size': 15, 'data': 'gO++rd6A4ADgGteMTeEG'}]} |
| 0:00:48.141695 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00e0, FOpts: ), FPort: e0, FRMPayload: 00a1, MIC: 8c4de106) |
| 0:00:48.141695 | LOG | Server <-------------------- DUT |
| 0:00:48.141695 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 20, FCnt: a435, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 3cb3cf85) |
| 0:00:48.141695 | LOG | PULL\_RESP: Protocol version = 02, Token = 4e35, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1403141999, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4gNaTgKjyzz4U='}} |
| 0:00:48.141695 | LOG | Server --------------------> DUT |
| 0:00:48.141695 | LOG | TX\_ACK: 02 4e35 05 aa555a0000240409 |
| 0:00:51.325994 | LOG | PUSH\_ACK: 02 11da 01 |
| 0:00:51.325994 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11da, Identifier = 00, JSON = {'rxpk': [{'tmst': 1405262206, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -41, 'size': 15, 'data': 'QO++rd6A4QDgWpMP9Bge'}]} |
| 0:00:51.325994 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00e1, FOpts: ), FPort: e0, FRMPayload: 00a2, MIC: 0ff4181e) |
| 0:00:51.325994 | LOG | Server <-------------------- DUT |
| 0:00:51.325994 | LOG | Unconfirmed mode tested successfully |
| 0:00:51.325994 | LOG | Confirmed downlink process starts |
| 0:00:54.495214 | LOG | PULL\_DATA: 02 5b40 02 aa555a0000240409 |
| 0:00:54.495214 | LOG | PULL\_ACK: 02 5b40 04 |
| 0:00:56.143588 | LOG | PUSH\_ACK: 02 11db 01 |
| 0:00:56.143588 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11db, Identifier = 00, JSON = {'rxpk': [{'tmst': 1410145214, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -38, 'size': 15, 'data': 'QO++rd6A4gDgql7UmyKw'}]} |
| 0:00:56.143588 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00e2, FOpts: ), FPort: e0, FRMPayload: 00a2, MIC: d49b22b0) |
| 0:00:56.143588 | LOG | Server <-------------------- DUT |
| 0:00:56.143588 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a436, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c7c71ba1) |
| 0:00:56.143588 | LOG | PULL\_RESP: Protocol version = 02, Token = 75b3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1411145214, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'oO++rd4ANqTgMsfHG6E='}} |
| 0:00:56.143588 | LOG | Server --------------------> DUT |
| 0:00:56.143588 | LOG | TX\_ACK: 02 75b3 05 aa555a0000240409 |
| 0:01:01.012736 | LOG | PUSH\_ACK: 02 11dc 01 |
| 0:01:01.012736 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11dc, Identifier = 00, JSON = {'rxpk': [{'tmst': 1414987879, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -41, 'size': 15, 'data': 'QO++rd6g4wDgg0zAUDjI'}]} |
| 0:01:01.012736 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 00e3, FOpts: ), FPort: e0, FRMPayload: 00a3, MIC: c05038c8) |
| 0:01:01.012736 | LOG | Server <-------------------- DUT |
| 0:01:01.012736 | LOG | Confirmed downlink tested successfully |
| 0:01:01.012736 | LOG | End Test Step: Confirmed Downlinks |
| 0:01:01.012736 | LOG | Partial Verdict: PASS |
| 0:01:01.022732 | LOG | ========================================================= |
| 0:01:01.022732 | LOG | ========================================================= |
| 0:01:01.022732 | LOG | Start Test Step: Confirmed Downlink Retransmission |
| 0:01:01.032722 | LOG | Test Unconfirmed mode process starts |
| 0:01:04.599981 | LOG | PULL\_DATA: 02 6e00 02 aa555a0000240409 |
| 0:01:04.599981 | LOG | PULL\_ACK: 02 6e00 04 |
| 0:01:05.883581 | LOG | PUSH\_ACK: 02 11de 01 |
| 0:01:05.883581 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11de, Identifier = 00, JSON = {'rxpk': [{'tmst': 1419830335, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -41, 'size': 15, 'data': 'QO++rd6A5ADg8G4w14N3'}]} |
| 0:01:05.883581 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00e4, FOpts: ), FPort: e0, FRMPayload: 00a3, MIC: 30d78377) |
| 0:01:05.886781 | LOG | Server <-------------------- DUT |
| 0:01:05.886781 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a437, FOpts: ), FPort: e0, FRMPayload: 03), MIC: bc806751) |
| 0:01:05.886781 | LOG | PULL\_RESP: Protocol version = 02, Token = 7ada, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1420830335, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AN6TgubyAZ1E='}} |
| 0:01:05.886781 | LOG | Server --------------------> DUT |
| 0:01:05.886781 | LOG | TX\_ACK: 02 7ada 05 aa555a0000240409 |
| 0:01:10.686855 | LOG | PUSH\_ACK: 02 11df 01 |
| 0:01:10.686855 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11df, Identifier = 00, JSON = {'rxpk': [{'tmst': 1424672759, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -40, 'size': 15, 'data': 'QO++rd6A5QDg0rjRFBt8'}]} |
| 0:01:10.686855 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00e5, FOpts: ), FPort: e0, FRMPayload: 00a4, MIC: d1141b7c) |
| 0:01:10.686855 | LOG | Server <-------------------- DUT |
| 0:01:10.686855 | LOG | Unconfirmed mode tested successfully |
| 0:01:10.686855 | LOG | Downlink retransmission process starts |
| 0:01:14.809243 | LOG | PULL\_DATA: 02 ec70 02 aa555a0000240409 |
| 0:01:14.809243 | LOG | PULL\_ACK: 02 ec70 04 |
| 0:01:15.538209 | LOG | PUSH\_ACK: 02 11e0 01 |
| 0:01:15.540298 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11e0, Identifier = 00, JSON = {'rxpk': [{'tmst': 1429515207, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -40, 'size': 15, 'data': 'QO++rd6A5gDgdSewaPLv'}]} |
| 0:01:15.540298 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00e6, FOpts: ), FPort: e0, FRMPayload: 00a4, MIC: b068f2ef) |
| 0:01:15.540298 | LOG | Server <-------------------- DUT |
| 0:01:15.540298 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a438, FOpts: ), FPort: e0, FRMPayload: 03), MIC: f246757e) |
| 0:01:15.540298 | LOG | PULL\_RESP: Protocol version = 02, Token = 0fd9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1430515207, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'oO++rd4AOKTg8PJGdX4='}} |
| 0:01:15.540298 | LOG | Server --------------------> DUT |
| 0:01:15.540298 | LOG | TX\_ACK: 02 0fd9 05 aa555a0000240409 |
| 0:01:20.359714 | LOG | PUSH\_ACK: 02 11e1 01 |
| 0:01:20.361785 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11e1, Identifier = 00, JSON = {'rxpk': [{'tmst': 1434357696, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -41, 'size': 15, 'data': 'QO++rd6g5wDg86f3HnqZ'}]} |
| 0:01:20.361785 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 00e7, FOpts: ), FPort: e0, FRMPayload: 00a5, MIC: f71e7a99) |
| 0:01:20.361785 | LOG | Server <-------------------- DUT |
| 0:01:20.361785 | LOG | ACK is sent for the previous Confirmed frame |
| 0:01:20.361785 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a438, FOpts: ), FPort: e0, FRMPayload: 03), MIC: f246757e) |
| 0:01:20.361785 | LOG | PULL\_RESP: Protocol version = 02, Token = e67d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1435357696, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'oO++rd4AOKTg8PJGdX4='}} |
| 0:01:20.361785 | LOG | Server --------------------> DUT |
| 0:01:20.361785 | LOG | TX\_ACK: 02 e67d 05 aa555a0000240409 |
| 0:01:24.928660 | LOG | PULL\_DATA: 02 775b 02 aa555a0000240409 |
| 0:01:24.928660 | LOG | PULL\_ACK: 02 775b 04 |
| 0:01:25.226906 | LOG | PUSH\_ACK: 02 11e2 01 |
| 0:01:25.229032 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11e2, Identifier = 00, JSON = {'rxpk': [{'tmst': 1439200121, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -41, 'size': 15, 'data': 'QO++rd6g6ADgfPoWov2Q'}]} |
| 0:01:25.229032 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 00e8, FOpts: ), FPort: e0, FRMPayload: 00a5, MIC: 16a2fd90) |
| 0:01:25.229032 | LOG | Server <-------------------- DUT |
| 0:01:25.229032 | LOG | ACK is sent for the previous Confirmed frame |
| 0:01:25.229032 | LOG | Downlink retransmission tested successfully |
| 0:01:25.229032 | LOG | End Test Step: Confirmed Downlink Retransmission |
| 0:01:25.229032 | LOG | Partial Verdict: PASS |
| 0:01:25.237091 | LOG | ========================================================= |
| 0:01:25.237091 | LOG | ========================================================= |
| 0:01:25.237091 | LOG | Start Test Step: Test mode deactivation |
| 0:01:25.247071 | LOG | Test Mode deactivation process starts |
| 0:01:25.247071 | LOG | End Test Step: Test mode deactivation |
| 0:01:25.247071 | LOG | TEST STEP NOT APPLICABLE |
| 0:01:25.247071 | LOG | ========================================================= |
| 0:01:25.257107 | LOG | End Test Case: TP\_A\_US915\_ED\_MAC\_BV\_010 |
| 0:01:25.257107 | LOG | Final Verdict: PASS |

|  |  |  |
| --- | --- | --- |
| **Test Case** | TP\_A\_US915\_ED\_MAC\_BV\_011 | |
| **Verdict** | PASS | |
| **Date** | 2021-08-03 16:54:17 | |
| **Description** | RXParamSetupReq MAC command | |
| **Technology Version** | LCTT v3.3.0\_R1 | GUI v1.9.0 | |
| **Core Version** | LoRaWAN\_L2v1.0.4/RP2\_v1.0.1 | |
| **Test Specs Version** | USv1.5.1/EUv1.6/KRv1.2.1/ASv1.1.1/INv1.1.1/ALL\_Av1.3/ALL\_Cv1.0 | |
| **Project** | HTLRBL32L - US915 | |
| **Project Creation Date** | 2021-07-19 10:56:56 | |
| **Sample** | DevID:HTLRBL32L testboard | AppID:1 | SW:1 | HW:1 | |
| **Parameters** | RX2 Receive window frequency | 923.900 |
|  | Conformance | TRUE |

|  |  |  |
| --- | --- | --- |
| **Time Stamp (ms)** | **Event** | **Summary** |
| 0:00:00.009968 | LOG | Start Test Case: TP\_A\_US915\_ED\_MAC\_BV\_011 |
| 0:00:00.039954 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT UPDATES. |
| 0:00:00.039954 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT TECHNOLOGY PACKAGES. |
| 0:00:00.039954 | LOG | ========================================================= |
| 0:00:00.039954 | LOG | Start Test Step: Device activation |
| 0:00:00.089953 | LOG | Activation process has finished successfully |
| 0:00:00.089953 | LOG | Data stored in the DUT after Activation: |
| 0:00:00.089953 | LOG | DevAddr: efbeadde |
| 0:00:00.089953 | LOG | AppEUI: 1111111111111111 |
| 0:00:00.089953 | LOG | NwkSKey: 11111111111111111111111111111111 |
| 0:00:00.089953 | LOG | AppSKey: 11111111111111111111111111111111 |
| 0:00:00.099976 | LOG | End Test Step: Device activation |
| 0:00:00.099976 | LOG | Partial Verdict: PASS |
| 0:00:00.099976 | LOG | ========================================================= |
| 0:00:00.099976 | LOG | ========================================================= |
| 0:00:00.109958 | LOG | Start Test Step: Test mode activation |
| 0:00:00.109958 | LOG | Test Mode activation process starts |
| 0:00:00.109958 | LOG | Test Mode has been enabled successfully |
| 0:00:00.119954 | LOG | Send LinkADRReq process starts |
| 0:00:03.277898 | LOG | PUSH\_DATA received while waiting first PULL\_DATA |
| 0:00:08.213158 | LOG | PUSH\_DATA received while waiting first PULL\_DATA |
| 0:00:08.233159 | LOG | PULL\_DATA: 02 b6c3 02 aa555a0000240409 |
| 0:00:08.233159 | LOG | PULL\_ACK: 02 b6c3 04 |
| 0:00:08.233159 | LOG | First PULL\_DATA received |
| 0:00:13.011612 | LOG | PUSH\_ACK: 02 11e6 01 |
| 0:00:13.013892 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11e6, Identifier = 00, JSON = {'rxpk': [{'tmst': 1453768121, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -41, 'size': 15, 'data': 'QO++rd6A6wDgezvry5rA'}]} |
| 0:00:13.013892 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00eb, FOpts: ), FPort: e0, FRMPayload: 00a5, MIC: ebcb9ac0) |
| 0:00:13.013892 | LOG | Server <-------------------- DUT |
| 0:00:13.013892 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a439, FOpts: ), FPort: 00, FRMPayload: 0345010071), MIC: 21243fc3) |
| 0:00:13.013892 | LOG | PULL\_RESP: Protocol version = 02, Token = ffea, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1454768121, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AOaQAIlv8zgIhJD/D'}} |
| 0:00:13.013892 | LOG | Server --------------------> DUT |
| 0:00:13.013892 | LOG | TX\_ACK: 02 ffea 05 aa555a0000240409 |
| 0:00:17.682349 | LOG | PUSH\_ACK: 02 11e7 01 |
| 0:00:17.682349 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11e7, Identifier = 00, JSON = {'rxpk': [{'tmst': 1458444072, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 17, 'data': 'QO++rd6C7AADB+BjvfKDQZw='}]} |
| 0:00:17.682349 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00ec, FOpts: 0307), FPort: e0, FRMPayload: 00a6, MIC: f283419c) |
| 0:00:17.682349 | LOG | Server <-------------------- DUT |
| 0:00:17.682349 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:17.682349 | LOG | Command Answer: 0307 |
| 0:00:17.692353 | LOG | MAC command communication completed |
| 0:00:17.692353 | LOG | Send LinkADRReq process starts |
| 0:00:18.363699 | LOG | PULL\_DATA: 02 b05e 02 aa555a0000240409 |
| 0:00:18.363699 | LOG | PULL\_ACK: 02 b05e 04 |
| 0:00:22.565163 | LOG | PUSH\_ACK: 02 11e8 01 |
| 0:00:22.565163 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11e8, Identifier = 00, JSON = {'rxpk': [{'tmst': 1463291272, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6A7QDgjnBRcsBU'}]} |
| 0:00:22.565163 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00ed, FOpts: ), FPort: e0, FRMPayload: 00a6, MIC: 5172c054) |
| 0:00:22.565163 | LOG | Server <-------------------- DUT |
| 0:00:22.565163 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a43a, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: fa38f17c) |
| 0:00:22.565163 | LOG | PULL\_RESP: Protocol version = 02, Token = 384e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1464291272, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AOqQA0A6qaRj6OPF8'}} |
| 0:00:22.565163 | LOG | Server --------------------> DUT |
| 0:00:22.565163 | LOG | TX\_ACK: 02 384e 05 aa555a0000240409 |
| 0:00:27.492834 | LOG | PUSH\_ACK: 02 11e9 01 |
| 0:00:27.492834 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11e9, Identifier = 00, JSON = {'rxpk': [{'tmst': 1468243840, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -40, 'size': 17, 'data': 'QO++rd6C7gADB+DT/NPuPmk='}]} |
| 0:00:27.492834 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00ee, FOpts: 0307), FPort: e0, FRMPayload: 00a7, MIC: d3ee3e69) |
| 0:00:27.496189 | LOG | Server <-------------------- DUT |
| 0:00:27.496189 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:27.496189 | LOG | Command Answer: 0307 |
| 0:00:27.496189 | LOG | MAC command communication completed |
| 0:00:27.504251 | LOG | End Test Step: Test mode activation |
| 0:00:27.506337 | LOG | Partial Verdict: PASS |
| 0:00:27.506337 | LOG | ========================================================= |
| 0:00:27.506337 | LOG | ========================================================= |
| 0:00:27.506337 | LOG | Start Test Step: Modify RX1 and RX2 downlink parameters |
| 0:00:27.514430 | LOG | Send RXParamSetupReq process starts |
| 0:00:28.540963 | LOG | PULL\_DATA: 02 e9b7 02 aa555a0000240409 |
| 0:00:28.540963 | LOG | PULL\_ACK: 02 e9b7 04 |
| 0:00:32.349409 | LOG | PUSH\_ACK: 02 11ea 01 |
| 0:00:32.349409 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11ea, Identifier = 00, JSON = {'rxpk': [{'tmst': 1473085896, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -40, 'size': 15, 'data': 'QO++rd6A7wDgBjClfwwM'}]} |
| 0:00:32.349409 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00ef, FOpts: ), FPort: e0, FRMPayload: 00a7, MIC: a57f0c0c) |
| 0:00:32.349409 | LOG | Server <-------------------- DUT |
| 0:00:32.349409 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a43b, FOpts: ), FPort: 00, FRMPayload: 052ad8f98c), MIC: 77cf2af5) |
| 0:00:32.349409 | LOG | PULL\_RESP: Protocol version = 02, Token = 42e2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1474085896, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AO6QAKbNYZ5l3zyr1'}} |
| 0:00:32.349409 | LOG | Server --------------------> DUT |
| 0:00:32.349409 | LOG | TX\_ACK: 02 42e2 05 aa555a0000240409 |
| 0:00:37.131322 | LOG | PUSH\_ACK: 02 11ec 01 |
| 0:00:37.131322 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11ec, Identifier = 00, JSON = {'rxpk': [{'tmst': 1477928802, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -43, 'size': 17, 'data': 'QO++rd6C8AAFB+CIVdXD9/o='}]} |
| 0:00:37.131322 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00f0, FOpts: 0507), FPort: e0, FRMPayload: 00a8, MIC: d5c3f7fa) |
| 0:00:37.131322 | LOG | Server <-------------------- DUT |
| 0:00:37.131322 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:37.131322 | LOG | Command Answer: 0507 |
| 0:00:37.141323 | LOG | MAC command communication completed |
| 0:00:37.141323 | LOG | End Test Step: Modify RX1 and RX2 downlink parameters |
| 0:00:37.141323 | LOG | Partial Verdict: PASS |
| 0:00:37.149491 | LOG | ========================================================= |
| 0:00:37.149491 | LOG | ========================================================= |
| 0:00:37.149491 | LOG | Start Test Step: Test reply retransmission |
| 0:00:37.159464 | LOG | Expect a MAC answer retransmission |
| 0:00:38.739524 | LOG | PULL\_DATA: 02 6e94 02 aa555a0000240409 |
| 0:00:38.739524 | LOG | PULL\_ACK: 02 6e94 04 |
| 0:00:42.017205 | LOG | PUSH\_ACK: 02 11ed 01 |
| 0:00:42.017205 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11ed, Identifier = 00, JSON = {'rxpk': [{'tmst': 1482771290, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -41, 'size': 17, 'data': 'QO++rd6C8QAFB+Dual9wRB0='}]} |
| 0:00:42.017205 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00f1, FOpts: 0507), FPort: e0, FRMPayload: 00a8, MIC: 5f70441d) |
| 0:00:42.017205 | LOG | Server <-------------------- DUT |
| 0:00:42.017205 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:42.017205 | LOG | MAC answer retransmission completed |
| 0:00:42.017205 | LOG | Expect a MAC answer retransmission |
| 0:00:46.862487 | LOG | PUSH\_ACK: 02 11ee 01 |
| 0:00:46.864574 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11ee, Identifier = 00, JSON = {'rxpk': [{'tmst': 1487613762, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -45, 'size': 17, 'data': 'QO++rd6C8gAFB+AO+pc2+O8='}]} |
| 0:00:46.864574 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00f2, FOpts: 0507), FPort: e0, FRMPayload: 00a8, MIC: 9736f8ef) |
| 0:00:46.864574 | LOG | Server <-------------------- DUT |
| 0:00:46.864574 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:46.864574 | LOG | MAC answer retransmission completed |
| 0:00:46.864574 | LOG | Expect a MAC answer retransmission |
| 0:00:48.836133 | LOG | PULL\_DATA: 02 3352 02 aa555a0000240409 |
| 0:00:48.836133 | LOG | PULL\_ACK: 02 3352 04 |
| 0:00:51.726666 | LOG | PUSH\_ACK: 02 11ef 01 |
| 0:00:51.726666 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11ef, Identifier = 00, JSON = {'rxpk': [{'tmst': 1492456426, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -43, 'size': 17, 'data': 'QO++rd6C8wAFB+CJfp8zyYg='}]} |
| 0:00:51.726666 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00f3, FOpts: 0507), FPort: e0, FRMPayload: 00a8, MIC: 9f33c988) |
| 0:00:51.726666 | LOG | Server <-------------------- DUT |
| 0:00:51.726666 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:51.726666 | LOG | MAC answer retransmission completed |
| 0:00:51.726666 | LOG | Expect a MAC answer retransmission |
| 0:00:56.535478 | LOG | PUSH\_ACK: 02 11f0 01 |
| 0:00:56.535478 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11f0, Identifier = 00, JSON = {'rxpk': [{'tmst': 1497298898, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -40, 'size': 17, 'data': 'QO++rd6C9AAFB+Au/pvIF+U='}]} |
| 0:00:56.535478 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00f4, FOpts: 0507), FPort: e0, FRMPayload: 00a8, MIC: 9bc817e5) |
| 0:00:56.538768 | LOG | Server <-------------------- DUT |
| 0:00:56.538768 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:56.538768 | LOG | MAC answer retransmission completed |
| 0:00:56.538768 | LOG | Expect a MAC answer retransmission |
| 0:00:58.903986 | LOG | PULL\_DATA: 02 7053 02 aa555a0000240409 |
| 0:00:58.903986 | LOG | PULL\_ACK: 02 7053 04 |
| 0:01:01.379559 | LOG | PUSH\_ACK: 02 11f1 01 |
| 0:01:01.381620 | LOG | MIC MISMATCH! |
| 0:01:01.381620 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11f1, Identifier = 00, JSON = {'rxpk': [{'tmst': 1502141434, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': -1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 5.3, 'rssi': -41, 'size': 17, 'data': 'QO++rd6C9QAFB+BHffTmWEE='}]} |
| 0:01:01.381620 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00f5, FOpts: 0507), FPort: e0, FRMPayload: 00a8, MIC: f4e65841) |
| 0:01:06.266994 | LOG | PUSH\_ACK: 02 11f3 01 |
| 0:01:06.266994 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11f3, Identifier = 00, JSON = {'rxpk': [{'tmst': 1507024354, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -41, 'size': 17, 'data': 'QO++rd6C9gAFB+DJnocZ3d4='}]} |
| 0:01:06.266994 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00f6, FOpts: 0507), FPort: e0, FRMPayload: 00a8, MIC: 8719ddde) |
| 0:01:06.266994 | LOG | Server <-------------------- DUT |
| 0:01:06.266994 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:01:06.266994 | LOG | MAC answer retransmission completed |
| 0:01:06.275314 | LOG | Test Echo service process starts |
| 0:01:08.974167 | LOG | PULL\_DATA: 02 e4b6 02 aa555a0000240409 |
| 0:01:08.974167 | LOG | PULL\_ACK: 02 e4b6 04 |
| 0:01:11.088054 | LOG | PUSH\_ACK: 02 11f4 01 |
| 0:01:11.088054 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11f4, Identifier = 00, JSON = {'rxpk': [{'tmst': 1511866834, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -45, 'size': 17, 'data': 'QO++rd6C9wAFB+CC1OCM1FA='}]} |
| 0:01:11.088054 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00f7, FOpts: 0507), FPort: e0, FRMPayload: 00a8, MIC: e08cd450) |
| 0:01:11.088054 | LOG | Server <-------------------- DUT |
| 0:01:11.088054 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a43c, FOpts: ), FPort: e0, FRMPayload: 04010203), MIC: 7447a7f8) |
| 0:01:11.088054 | LOG | PULL\_RESP: Protocol version = 02, Token = 4b6a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1512866834, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 17, 'data': 'YO++rd4APKTgu0P1yHRHp/g='}} |
| 0:01:11.088054 | LOG | Server --------------------> DUT |
| 0:01:11.088054 | LOG | TX\_ACK: 02 4b6a 05 aa555a0000240409 |
| 0:01:15.986592 | LOG | PUSH\_ACK: 02 11f5 01 |
| 0:01:15.986592 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11f5, Identifier = 00, JSON = {'rxpk': [{'tmst': 1516709226, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -45, 'size': 17, 'data': 'QO++rd6A+ADgok5oUTR/TRU='}]} |
| 0:01:15.986592 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00f8, FOpts: ), FPort: e0, FRMPayload: 04020304, MIC: 347f4d15) |
| 0:01:15.986592 | LOG | Server <-------------------- DUT |
| 0:01:15.986592 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:01:15.986592 | LOG | Echo service tested successfully |
| 0:01:15.986592 | LOG | Test Echo service process starts |
| 0:01:19.136139 | LOG | PULL\_DATA: 02 20ef 02 aa555a0000240409 |
| 0:01:19.136139 | LOG | PULL\_ACK: 02 20ef 04 |
| 0:01:20.755317 | LOG | PUSH\_ACK: 02 11f6 01 |
| 0:01:20.755317 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11f6, Identifier = 00, JSON = {'rxpk': [{'tmst': 1521551426, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6A+QDgq+H2BL1H'}]} |
| 0:01:20.755317 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00f9, FOpts: ), FPort: e0, FRMPayload: 00a9, MIC: f604bd47) |
| 0:01:20.758458 | LOG | Server <-------------------- DUT |
| 0:01:20.758458 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a43d, FOpts: ), FPort: e0, FRMPayload: 04121314), MIC: e9b3bc4c) |
| 0:01:20.758458 | LOG | PULL\_RESP: Protocol version = 02, Token = 0c6c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1523551426, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 17, 'data': 'YO++rd4APaTgYXvzCemzvEw='}} |
| 0:01:20.758458 | LOG | Server --------------------> DUT |
| 0:01:20.758458 | LOG | TX\_ACK: 02 0c6c 05 aa555a0000240409 |
| 0:01:25.625203 | LOG | PUSH\_ACK: 02 11f7 01 |
| 0:01:25.625203 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11f7, Identifier = 00, JSON = {'rxpk': [{'tmst': 1526394194, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -41, 'size': 17, 'data': 'QO++rd6A+gDgag5LxBOS6tg='}]} |
| 0:01:25.625203 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00fa, FOpts: ), FPort: e0, FRMPayload: 04131415, MIC: 1392ead8) |
| 0:01:25.625203 | LOG | Server <-------------------- DUT |
| 0:01:25.625203 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:01:25.625203 | LOG | Echo service tested successfully |
| 0:01:25.625203 | LOG | End Test Step: Test reply retransmission |
| 0:01:25.635169 | LOG | Partial Verdict: PASS |
| 0:01:25.635169 | LOG | ========================================================= |
| 0:01:25.635169 | LOG | ========================================================= |
| 0:01:25.635169 | LOG | Start Test Step: Restore default downlink parameters |
| 0:01:25.645202 | LOG | Test Confirmed mode process starts |
| 0:01:29.177098 | LOG | PULL\_DATA: 02 50f6 02 aa555a0000240409 |
| 0:01:29.178097 | LOG | PULL\_ACK: 02 50f6 04 |
| 0:01:30.526899 | LOG | PUSH\_ACK: 02 11f8 01 |
| 0:01:30.526899 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11f8, Identifier = 00, JSON = {'rxpk': [{'tmst': 1531236362, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6A+wDg3YxcBcPD'}]} |
| 0:01:30.526899 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00fb, FOpts: ), FPort: e0, FRMPayload: 00aa, MIC: 5c05c3c3) |
| 0:01:30.526899 | LOG | Server <-------------------- DUT |
| 0:01:30.526899 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a43e, FOpts: ), FPort: e0, FRMPayload: 02), MIC: 9058517a) |
| 0:01:30.526899 | LOG | PULL\_RESP: Protocol version = 02, Token = a8c4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1532236362, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4APqTgepBYUXo='}} |
| 0:01:30.526899 | LOG | Server --------------------> DUT |
| 0:01:30.526899 | LOG | TX\_ACK: 02 a8c4 05 aa555a0000240409 |
| 0:01:35.292369 | LOG | PUSH\_ACK: 02 11f9 01 |
| 0:01:35.292369 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11f9, Identifier = 00, JSON = {'rxpk': [{'tmst': 1536079066, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -43, 'size': 15, 'data': 'gO++rd6A/ADg3uFM4/+A'}]} |
| 0:01:35.292369 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00fc, FOpts: ), FPort: e0, FRMPayload: 00ab, MIC: 4ce3ff80) |
| 0:01:35.292369 | LOG | Server <-------------------- DUT |
| 0:01:35.292369 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 20, FCnt: a43f, FOpts: ), FPort: , FRMPayload: ), MIC: 61463f68) |
| 0:01:35.292369 | LOG | PULL\_RESP: Protocol version = 02, Token = e4f4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1537079066, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4gP6RhRj9o'}} |
| 0:01:35.292369 | LOG | Server --------------------> DUT |
| 0:01:35.292369 | LOG | Confirmed mode tested successfully |
| 0:01:35.300493 | LOG | Send RXParamSetupReq process starts |
| 0:01:39.403162 | LOG | PULL\_DATA: 02 162d 02 aa555a0000240409 |
| 0:01:39.403162 | LOG | PULL\_ACK: 02 162d 04 |
| 0:01:40.164063 | LOG | PUSH\_ACK: 02 11fb 01 |
| 0:01:40.164063 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11fb, Identifier = 00, JSON = {'rxpk': [{'tmst': 1540921531, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -43, 'size': 15, 'data': 'gO++rd6A/QDgwSuP9FID'}]} |
| 0:01:40.164063 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00fd, FOpts: ), FPort: e0, FRMPayload: 00ac, MIC: 8ff45203) |
| 0:01:40.164063 | LOG | Server <-------------------- DUT |
| 0:01:40.164063 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 20, FCnt: a440, FOpts: ), FPort: 00, FRMPayload: 050868e28c), MIC: e45458dc) |
| 0:01:40.164063 | LOG | PULL\_RESP: Protocol version = 02, Token = ec94, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1541921531, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4gQKQA6WGDHfvkVFjc'}} |
| 0:01:40.164063 | LOG | Server --------------------> DUT |
| 0:01:40.164063 | LOG | TX\_ACK: 02 ec94 05 aa555a0000240409 |
| 0:01:45.041357 | LOG | PUSH\_ACK: 02 11fc 01 |
| 0:01:45.043448 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11fc, Identifier = 00, JSON = {'rxpk': [{'tmst': 1545804914, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -43, 'size': 17, 'data': 'gO++rd6C/gAFB+DKjbsBwLo='}]} |
| 0:01:45.043448 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 00fe, FOpts: 0507), FPort: e0, FRMPayload: 00ad, MIC: bb01c0ba) |
| 0:01:45.043448 | LOG | Server <-------------------- DUT |
| 0:01:45.043448 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:01:45.043448 | LOG | Command Answer: 0507 |
| 0:01:45.051533 | LOG | Send ACK to DUT process starts |
| 0:01:45.051533 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 20, FCnt: a441, FOpts: ), FPort: , FRMPayload: ), MIC: 6e001722) |
| 0:01:45.051533 | LOG | PULL\_RESP: Protocol version = 02, Token = 02c7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1546804914, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4gQaRuABci'}} |
| 0:01:45.051533 | LOG | Server --------------------> DUT |
| 0:01:45.051533 | LOG | Send ACK to DUT tested successfully |
| 0:01:45.051533 | LOG | MAC command communication completed |
| 0:01:45.051533 | LOG | Test Echo service process starts |
| 0:01:49.579778 | LOG | PULL\_DATA: 02 7428 02 aa555a0000240409 |
| 0:01:49.579778 | LOG | PULL\_ACK: 02 7428 04 |
| 0:01:49.919776 | LOG | PUSH\_ACK: 02 11fd 01 |
| 0:01:49.919776 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11fd, Identifier = 00, JSON = {'rxpk': [{'tmst': 1550647108, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -40, 'size': 15, 'data': 'gO++rd6A/wDg9htYBrRP'}]} |
| 0:01:49.919776 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 00ff, FOpts: ), FPort: e0, FRMPayload: 00ae, MIC: 5806b44f) |
| 0:01:49.919776 | LOG | Server <-------------------- DUT |
| 0:01:49.919776 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 20, FCnt: a442, FOpts: ), FPort: e0, FRMPayload: 0403), MIC: 10349811) |
| 0:01:49.919776 | LOG | PULL\_RESP: Protocol version = 02, Token = ebf2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1551647108, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4gQqTg8XwQNJgR'}} |
| 0:01:49.919776 | LOG | Server --------------------> DUT |
| 0:01:49.919776 | LOG | TX\_ACK: 02 ebf2 05 aa555a0000240409 |
| 0:01:54.721122 | LOG | PUSH\_ACK: 02 11fe 01 |
| 0:01:54.723170 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11fe, Identifier = 00, JSON = {'rxpk': [{'tmst': 1555489606, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 12.5, 'rssi': -39, 'size': 15, 'data': 'gO++rd6AAAHgvYiml7+r'}]} |
| 0:01:54.723170 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0100, FOpts: ), FPort: e0, FRMPayload: 0404, MIC: a697bfab) |
| 0:01:54.723170 | LOG | Server <-------------------- DUT |
| 0:01:54.723170 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:01:54.723170 | LOG | Echo service tested successfully |
| 0:01:54.723170 | LOG | Test Echo service process starts |
| 0:01:57.862729 | LOG | PUSH\_ACK: 02 11ff 01 |
| 0:01:57.864792 | LOG | PUSH\_DATA: Protocol version = 02, Token = 11ff, Identifier = 00, JSON = {'rxpk': [{'tmst': 1558634526, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -41, 'size': 15, 'data': 'gO++rd6AAAHgvYiml7+r'}]} |
| 0:01:57.864792 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0100, FOpts: ), FPort: e0, FRMPayload: 0404, MIC: a697bfab) |
| 0:01:57.864792 | LOG | Server <-------------------- DUT |
| 0:01:57.864792 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 20, FCnt: a443, FOpts: ), FPort: e0, FRMPayload: 0404), MIC: 2fa62cc7) |
| 0:01:57.864792 | LOG | PULL\_RESP: Protocol version = 02, Token = b1db, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1560634526, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4gQ6TgbhUvpizH'}} |
| 0:01:57.864792 | LOG | Server --------------------> DUT |
| 0:01:57.864792 | LOG | TX\_ACK: 02 b1db 05 aa555a0000240409 |
| 0:01:59.716923 | LOG | PULL\_DATA: 02 defa 02 aa555a0000240409 |
| 0:01:59.716923 | LOG | PULL\_ACK: 02 defa 04 |
| 0:02:04.409423 | LOG | PUSH\_ACK: 02 1200 01 |
| 0:02:04.409423 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1200, Identifier = 00, JSON = {'rxpk': [{'tmst': 1565174821, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -43, 'size': 15, 'data': 'gO++rd6AAQHg0EDjYNwG'}]} |
| 0:02:04.409423 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0101, FOpts: ), FPort: e0, FRMPayload: 0405, MIC: e360dc06) |
| 0:02:04.409423 | LOG | Server <-------------------- DUT |
| 0:02:04.409423 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:02:04.409423 | LOG | Echo service tested successfully |
| 0:02:04.417469 | LOG | End Test Step: Restore default downlink parameters |
| 0:02:04.417469 | LOG | Partial Verdict: PASS |
| 0:02:04.417469 | LOG | ========================================================= |
| 0:02:04.417469 | LOG | ========================================================= |
| 0:02:04.417469 | LOG | Start Test Step: Test mode deactivation |
| 0:02:04.427438 | LOG | Test Mode deactivation process starts |
| 0:02:04.427438 | LOG | End Test Step: Test mode deactivation |
| 0:02:04.437464 | LOG | TEST STEP NOT APPLICABLE |
| 0:02:04.437464 | LOG | ========================================================= |
| 0:02:04.437464 | LOG | End Test Case: TP\_A\_US915\_ED\_MAC\_BV\_011 |
| 0:02:04.437464 | LOG | Final Verdict: PASS |

|  |  |  |
| --- | --- | --- |
| **Test Case** | TP\_A\_US915\_ED\_MAC\_BV\_012\_A | |
| **Verdict** | PASS | |
| **Date** | 2021-08-03 16:56:23 | |
| **Description** | RX1 Receive window test (Part 1) | |
| **Technology Version** | LCTT v3.3.0\_R1 | GUI v1.9.0 | |
| **Core Version** | LoRaWAN\_L2v1.0.4/RP2\_v1.0.1 | |
| **Test Specs Version** | USv1.5.1/EUv1.6/KRv1.2.1/ASv1.1.1/INv1.1.1/ALL\_Av1.3/ALL\_Cv1.0 | |
| **Project** | HTLRBL32L - US915 | |
| **Project Creation Date** | 2021-07-19 10:56:56 | |
| **Sample** | DevID:HTLRBL32L testboard | AppID:1 | SW:1 | HW:1 | |
| **Parameters** | Data Rates to be measured | ALL |
|  | End test case when limit exceeded | TRUE |
|  | Conformance | TRUE |

|  |  |  |
| --- | --- | --- |
| **Time Stamp (ms)** | **Event** | **Summary** |
| 0:00:00.010233 | LOG | Start Test Case: TP\_A\_US915\_ED\_MAC\_BV\_012\_A |
| 0:00:00.030266 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT UPDATES. |
| 0:00:00.030266 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT TECHNOLOGY PACKAGES. |
| 0:00:00.038324 | LOG | ========================================================= |
| 0:00:00.038324 | LOG | Start Test Step: Device activation |
| 0:00:00.081897 | LOG | Activation process has finished successfully |
| 0:00:00.081897 | LOG | Data stored in the DUT after Activation: |
| 0:00:00.091957 | LOG | DevAddr: efbeadde |
| 0:00:00.091957 | LOG | AppEUI: 1111111111111111 |
| 0:00:00.091957 | LOG | NwkSKey: 11111111111111111111111111111111 |
| 0:00:00.091957 | LOG | AppSKey: 11111111111111111111111111111111 |
| 0:00:00.091957 | LOG | End Test Step: Device activation |
| 0:00:00.100018 | LOG | Partial Verdict: PASS |
| 0:00:00.100018 | LOG | ========================================================= |
| 0:00:00.100018 | LOG | ========================================================= |
| 0:00:00.100018 | LOG | Start Test Step: Test mode activation |
| 0:00:00.112222 | LOG | Test Mode activation process starts |
| 0:00:00.112222 | LOG | Test Mode has been enabled successfully |
| 0:00:00.112222 | LOG | Send LinkADRReq process starts |
| 0:00:01.326379 | LOG | PUSH\_DATA received while waiting first PULL\_DATA |
| 0:00:03.706617 | LOG | PULL\_DATA: 02 ddbc 02 aa555a0000240409 |
| 0:00:03.706617 | LOG | PULL\_ACK: 02 ddbc 04 |
| 0:00:03.706617 | LOG | First PULL\_DATA received |
| 0:00:04.689256 | LOG | PUSH\_ACK: 02 1203 01 |
| 0:00:04.689256 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1203, Identifier = 00, JSON = {'rxpk': [{'tmst': 1571475205, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -43, 'size': 15, 'data': 'gO++rd6AAQHg0EDjYNwG'}]} |
| 0:00:04.689256 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0101, FOpts: ), FPort: e0, FRMPayload: 0405, MIC: e360dc06) |
| 0:00:04.689256 | LOG | Server <-------------------- DUT |
| 0:00:04.689256 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 20, FCnt: a444, FOpts: ), FPort: 00, FRMPayload: 0345010071), MIC: 5717dd08) |
| 0:00:04.689256 | LOG | PULL\_RESP: Protocol version = 02, Token = 05ea, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1572475205, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4gRKQAPVjyzGJXF90I'}} |
| 0:00:04.689256 | LOG | Server --------------------> DUT |
| 0:00:04.689256 | LOG | TX\_ACK: 02 05ea 05 aa555a0000240409 |
| 0:00:07.991671 | LOG | PUSH\_ACK: 02 1204 01 |
| 0:00:07.993687 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1204, Identifier = 00, JSON = {'rxpk': [{'tmst': 1574812164, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -50, 'size': 17, 'data': 'gO++rd6CAgEDB+AdU0hnOVc='}]} |
| 0:00:07.993687 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0102, FOpts: 0307), FPort: e0, FRMPayload: 00b1, MIC: 48673957) |
| 0:00:07.993687 | LOG | Server <-------------------- DUT |
| 0:00:07.993687 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:07.993687 | LOG | Command Answer: 0307 |
| 0:00:08.001776 | LOG | MAC command communication completed |
| 0:00:08.001776 | LOG | Send LinkADRReq process starts |
| 0:00:11.984605 | LOG | PUSH\_ACK: 02 1205 01 |
| 0:00:11.984605 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1205, Identifier = 00, JSON = {'rxpk': [{'tmst': 1578805678, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -48, 'size': 17, 'data': 'gO++rd6CAgEDB+AdU0hnOVc='}]} |
| 0:00:11.984605 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0102, FOpts: 0307), FPort: e0, FRMPayload: 00b1, MIC: 48673957) |
| 0:00:11.984605 | LOG | Server <-------------------- DUT |
| 0:00:11.984605 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 20, FCnt: a445, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: 8f81c589) |
| 0:00:11.984605 | LOG | PULL\_RESP: Protocol version = 02, Token = 8757, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1579805678, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4gRaQAEwXVWSePgcWJ'}} |
| 0:00:11.984605 | LOG | Server --------------------> DUT |
| 0:00:11.984605 | LOG | TX\_ACK: 02 8757 05 aa555a0000240409 |
| 0:00:13.834620 | LOG | PULL\_DATA: 02 fb5d 02 aa555a0000240409 |
| 0:00:13.834620 | LOG | PULL\_ACK: 02 fb5d 04 |
| 0:00:17.797938 | LOG | PUSH\_ACK: 02 1206 01 |
| 0:00:17.797938 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1206, Identifier = 00, JSON = {'rxpk': [{'tmst': 1584612005, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -43, 'size': 17, 'data': 'gO++rd6CAwEDB+CKH8b7a+k='}]} |
| 0:00:17.797938 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0103, FOpts: 0307), FPort: e0, FRMPayload: 00b2, MIC: c6fb6be9) |
| 0:00:17.797938 | LOG | Server <-------------------- DUT |
| 0:00:17.797938 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:17.797938 | LOG | Command Answer: 0307 |
| 0:00:17.797938 | LOG | MAC command communication completed |
| 0:00:17.807908 | LOG | End Test Step: Test mode activation |
| 0:00:17.807908 | LOG | Partial Verdict: PASS |
| 0:00:17.807908 | LOG | ========================================================= |
| 0:00:17.807908 | LOG | ========================================================= |
| 0:00:17.807908 | LOG | Start Test Step: Test packet error rate for SF10BW125 using RX1 window |
| 0:00:17.817942 | LOG | Send LinkADRReq process starts |
| 0:00:20.703700 | LOG | PUSH\_ACK: 02 1207 01 |
| 0:00:20.705721 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1207, Identifier = 00, JSON = {'rxpk': [{'tmst': 1587474437, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -43, 'size': 17, 'data': 'gO++rd6CAwEDB+CKH8b7a+k='}]} |
| 0:00:20.705721 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0103, FOpts: 0307), FPort: e0, FRMPayload: 00b2, MIC: c6fb6be9) |
| 0:00:20.705721 | LOG | Server <-------------------- DUT |
| 0:00:20.705721 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 20, FCnt: a446, FOpts: ), FPort: 00, FRMPayload: 0305ff0001), MIC: 81a3ad93) |
| 0:00:20.705721 | LOG | PULL\_RESP: Protocol version = 02, Token = 1bce, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1588474437, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4gRqQAu0obiJCBo62T'}} |
| 0:00:20.705721 | LOG | Server --------------------> DUT |
| 0:00:20.705721 | LOG | TX\_ACK: 02 1bce 05 aa555a0000240409 |
| 0:00:22.894563 | LOG | PUSH\_ACK: 02 1208 01 |
| 0:00:22.894563 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1208, Identifier = 00, JSON = {'rxpk': [{'tmst': 1589686997, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -46, 'size': 17, 'data': 'gO++rd6CBAEDB+Df1tNmHBA='}]} |
| 0:00:22.894563 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0104, FOpts: 0307), FPort: e0, FRMPayload: 00b3, MIC: d3661c10) |
| 0:00:22.897806 | LOG | Server <-------------------- DUT |
| 0:00:22.897806 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:22.897806 | LOG | Command Answer: 0307 |
| 0:00:22.897806 | LOG | MAC command communication completed |
| 0:00:22.905893 | LOG | Send RXParamSetupReq process starts |
| 0:00:24.005725 | LOG | PULL\_DATA: 02 c60c 02 aa555a0000240409 |
| 0:00:24.005725 | LOG | PULL\_ACK: 02 c60c 04 |
| 0:00:26.112048 | LOG | PUSH\_ACK: 02 1209 01 |
| 0:00:26.114137 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1209, Identifier = 00, JSON = {'rxpk': [{'tmst': 1592914557, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -49, 'size': 17, 'data': 'gO++rd6CBAEDB+Df1tNmHBA='}]} |
| 0:00:26.114137 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0104, FOpts: 0307), FPort: e0, FRMPayload: 00b3, MIC: d3661c10) |
| 0:00:26.114137 | LOG | Server <-------------------- DUT |
| 0:00:26.114137 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 20, FCnt: a447, FOpts: ), FPort: 00, FRMPayload: 050868e28c), MIC: 52232b96) |
| 0:00:26.114137 | LOG | PULL\_RESP: Protocol version = 02, Token = d1dc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1593914557, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4gR6QAaWA1k+xSIyuW'}} |
| 0:00:26.114137 | LOG | Server --------------------> DUT |
| 0:00:26.114137 | LOG | TX\_ACK: 02 d1dc 05 aa555a0000240409 |
| 0:00:27.692071 | LOG | PUSH\_ACK: 02 120a 01 |
| 0:00:27.692071 | LOG | PUSH\_DATA: Protocol version = 02, Token = 120a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1594524373, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -42, 'size': 17, 'data': 'gO++rd6CBQEFB+AmbbSKPtg='}]} |
| 0:00:27.692071 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0105, FOpts: 0507), FPort: e0, FRMPayload: 00b4, MIC: b48a3ed8) |
| 0:00:27.692071 | LOG | Server <-------------------- DUT |
| 0:00:27.692071 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:27.692071 | LOG | Command Answer: 0507 |
| 0:00:27.702074 | LOG | Send ACK to DUT process starts |
| 0:00:27.702074 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 20, FCnt: a448, FOpts: ), FPort: , FRMPayload: ), MIC: 08dad330) |
| 0:00:27.702074 | LOG | PULL\_RESP: Protocol version = 02, Token = f263, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1595524373, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4gSKQI2tMw'}} |
| 0:00:27.702074 | LOG | Server --------------------> DUT |
| 0:00:27.702074 | LOG | Send ACK to DUT tested successfully |
| 0:00:27.712104 | LOG | MAC command communication completed |
| 0:00:27.712104 | LOG | Packet error rate (Confirmed) SF10BW125 process starts |
| 0:00:32.552111 | LOG | PUSH\_ACK: 02 120c 01 |
| 0:00:32.552111 | LOG | PUSH\_DATA: Protocol version = 02, Token = 120c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1599366380, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -47, 'size': 15, 'data': 'gO++rd6ABgHgTcOb/W3U'}]} |
| 0:00:32.552111 | LOG | DATA: (MHDR: 80, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0106, FOpts: ), FPort: e0, FRMPayload: 00b5, MIC: 9bfd6dd4) |
| 0:00:32.552111 | LOG | Server <-------------------- DUT |
| 0:00:32.552111 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 20, FCnt: a449, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e12180fc) |
| 0:00:32.552111 | LOG | PULL\_RESP: Protocol version = 02, Token = f309, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1600366380, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4gSaTgeiCWw2DUG5zn7K54tfSLi4VkN356L6cjn2PCrrg0/Uf8Ne7iCrPakXP+344bjZXR/lTO21NCz4PJqGxR8yrpxdRB3y/tFCO/nUhIUwo7P3J/TTaT6lWAM8JYOARi+wDWw3xKxjPPiD+cQmaUfd4zdlh/MGWArfvW+autQEsK2+RS1fOWT3QZ0crbuZJjQfTrPpBYHZzimejRCSYXpU9E9rlYc1bn46kSnYCafDpeOQt0KgBzFRfmoBXvgA5BbddxPC7W0HKhVHDAq//t1P+Jo3Z2+wYf+reU7mMGzATLhrhyfZ6lK0pdr4E7KRvAPoRBLjvhIYD8'}} |
| 0:00:32.552111 | LOG | Server --------------------> DUT |
| 0:00:32.552111 | LOG | TX\_ACK: 02 f309 05 aa555a0000240409 |
| 0:00:34.207202 | LOG | PULL\_DATA: 02 2bab 02 aa555a0000240409 |
| 0:00:34.207202 | LOG | PULL\_ACK: 02 2bab 04 |
| 0:00:37.422966 | LOG | PUSH\_ACK: 02 120d 01 |
| 0:00:37.422966 | LOG | PUSH\_DATA: Protocol version = 02, Token = 120d, Identifier = 00, JSON = {'rxpk': [{'tmst': 1604208726, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -42, 'size': 15, 'data': 'QO++rd6gBwHg/itkI9Su'}]} |
| 0:00:37.422966 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0107, FOpts: ), FPort: e0, FRMPayload: 00b6, MIC: 6423d4ae) |
| 0:00:37.422966 | LOG | Server <-------------------- DUT |
| 0:00:37.422966 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a44a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1e3b745e) |
| 0:00:37.422966 | LOG | PULL\_RESP: Protocol version = 02, Token = 34c8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1605208726, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4ASqTgCSRiZEmSsvbXkbXi5URC0jXrcJNtEhe4ItBlcVOG4p3V5LqSq2FAgAR4nzwgMh78n1xTNpIDCloSWQk4tsSnguwR6XswZ3Eii7JCxZA5tn5NofL8PzWeqlo/Mh2EyQgzdTmyIJOAqX6pl0Z2qyqVcy9pZn38/vyDNSuUCNR4N4WhHuPpIPIbG+04Z+TWb/vTylZxGgsQvQEyhLNUmkO3gAJK8ysDg5NY86PnDqwnOlsId9Q7xYwRl8cpDrDPjJ0jvz6JLRme6qdDvn6Sxsbkgf0YhQBBAk+ty9XjqpqsT6568O/tP+iEfiuFcSMtrfN5rGQeO3Re'}} |
| 0:00:37.422966 | LOG | Server --------------------> DUT |
| 0:00:37.422966 | LOG | TX\_ACK: 02 34c8 05 aa555a0000240409 |
| 0:00:42.257730 | LOG | PUSH\_ACK: 02 120e 01 |
| 0:00:42.257730 | LOG | PUSH\_DATA: Protocol version = 02, Token = 120e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1609051054, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6gCAHgqddOw/q4'}]} |
| 0:00:42.257730 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0108, FOpts: ), FPort: e0, FRMPayload: 00b7, MIC: 4ec3fab8) |
| 0:00:42.257730 | LOG | Server <-------------------- DUT |
| 0:00:42.257730 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a44b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7a24dc0f) |
| 0:00:42.257730 | LOG | PULL\_RESP: Protocol version = 02, Token = 05ad, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1610051054, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AS6Tg/xVRHBes0WToVOlS6Zv0kjK424BChEIZb51NXJyTAAvwpvl9EC2Jox6WyBxWfgAwHHQvWW1Beq9R3Zt+1il409TknZuNHUS7kFN8437lDpUq0RIC0NEexw5N/5NE4CZ2a3jjTHhDEMSE7JXfkWM0bDIG9YiKN18UqsVkFi4fLhwRNYFrmrLFY/LRFcIDh/SxtGMEyZBl8ELP+e78ZQndU9GvzvXzwFi0CvKq4mwEVz7lQHsd5V2Z4dZqL9nJWTwzeFbAB/tLkuW4Y/kh7Fimbi43b9zNN9tiV9poRsyF2sc6Bs4gQAyBeoJAOCFzKsBb8x56JNwP'}} |
| 0:00:42.257730 | LOG | Server --------------------> DUT |
| 0:00:42.264486 | LOG | TX\_ACK: 02 05ad 05 aa555a0000240409 |
| 0:00:44.316204 | LOG | PULL\_DATA: 02 8133 02 aa555a0000240409 |
| 0:00:44.316204 | LOG | PULL\_ACK: 02 8133 04 |
| 0:00:47.145484 | LOG | PUSH\_ACK: 02 120f 01 |
| 0:00:47.145484 | LOG | PUSH\_DATA: Protocol version = 02, Token = 120f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1613933923, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -42, 'size': 15, 'data': 'QO++rd6gCQHgDnD95TG4'}]} |
| 0:00:47.145484 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0109, FOpts: ), FPort: e0, FRMPayload: 00b8, MIC: fde531b8) |
| 0:00:47.145484 | LOG | Server <-------------------- DUT |
| 0:00:47.145484 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a44c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fbaa94cf) |
| 0:00:47.145484 | LOG | PULL\_RESP: Protocol version = 02, Token = 7413, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1614933923, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4ATKTg7dRBkPH6KSxwhGzSxwpEu1yo3uFc6nz1b0zA/WASFyk9slGvjFl7nn533DAGXLm8C49K63KdHxj9wuf7oVoFqFsSCpPf0S4PPPEFm0KIkWpEYyjRJ5xndsty+8Ll/bHF8qGMtLpqzQkyi9OARWfa1hFP4QFyMdcPXD+yVGXh4scDyxYLQjlI5zDV3PVe7wlqjb4PM7twkhIVUljeGP6GQmdhnZ2WwWdCzmXAorDUWGb73zzIeiP7yJIZ5KLM/0604MCnMH8c7/pdBiquuxzfl75cRrm6JhspF+0DeoKlu4d7QoCyfO/9qnW2PXcebmpth3D7qpTP'}} |
| 0:00:47.145484 | LOG | Server --------------------> DUT |
| 0:00:47.145484 | LOG | TX\_ACK: 02 7413 05 aa555a0000240409 |
| 0:00:51.979053 | LOG | PUSH\_ACK: 02 1210 01 |
| 0:00:51.979053 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1210, Identifier = 00, JSON = {'rxpk': [{'tmst': 1618776234, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6gCgHg55Fi9R6w'}]} |
| 0:00:51.979053 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 010a, FOpts: ), FPort: e0, FRMPayload: 00b9, MIC: 62f51eb0) |
| 0:00:51.979053 | LOG | Server <-------------------- DUT |
| 0:00:51.979053 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a44d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 94be0325) |
| 0:00:51.979053 | LOG | PULL\_RESP: Protocol version = 02, Token = 224d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1619776234, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4ATaTgs4k5BK8dUt/m9cAuXjAPzRcWo0og2R5ZP6j2h0HMjQw6eWRjTIEXHotHjhUWTJTHyuOYZCxSp94oxcql9ZMSdLiP1G8NY4UpHro3plqwu1ahWycA631wa9Xni/0iN7xnkVjHWr+uhiUgrrqoRc/3k9WPJ+4ANRCpzDKM/5ndBxAMKmKLcpG+zyANexLROSMGeAA+Q02n4UjFJrm8MCgh5HJtjHL8J+fVmu8G8pI3qv8YaWnjm2ALZA1VvDrx3/YHy2lvCuwY8WOtR6V1aXhq8oXi/pNmkjVLKptCnQvtPv7891/keL7UtNcviGWkLLiPLISUvgMl'}} |
| 0:00:51.979053 | LOG | Server --------------------> DUT |
| 0:00:51.979053 | LOG | TX\_ACK: 02 224d 05 aa555a0000240409 |
| 0:00:54.478826 | LOG | PULL\_DATA: 02 edfa 02 aa555a0000240409 |
| 0:00:54.478826 | LOG | PULL\_ACK: 02 edfa 04 |
| 0:00:56.833874 | LOG | PUSH\_ACK: 02 1211 01 |
| 0:00:56.835962 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1211, Identifier = 00, JSON = {'rxpk': [{'tmst': 1623618546, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -41, 'size': 15, 'data': 'QO++rd6gCwHgrvydvN1o'}]} |
| 0:00:56.835962 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 010b, FOpts: ), FPort: e0, FRMPayload: 00ba, MIC: 9dbcdd68) |
| 0:00:56.835962 | LOG | Server <-------------------- DUT |
| 0:00:56.835962 | LOG | Number of downlinks: 5 |
| 0:00:56.844021 | LOG | Number of errors: 0 |
| 0:00:56.844021 | LOG | Packet Error Rate (%): 0.0 |
| 0:00:56.844021 | LOG | Packet error rate SF10BW125 process tested successfully |
| 0:00:56.844021 | LOG | Send LinkADRReq process starts |
| 0:00:56.954034 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:00:56.954034 | LOG | Previous uplink Frame type (FType): 001 |
| 0:01:01.652458 | LOG | PUSH\_ACK: 02 1214 01 |
| 0:01:01.652458 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1214, Identifier = 00, JSON = {'rxpk': [{'tmst': 1628460866, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ADAHgAfIIypG2'}]} |
| 0:01:01.652458 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 010c, FOpts: ), FPort: e0, FRMPayload: 00ba, MIC: 08ca91b6) |
| 0:01:01.652458 | LOG | Server <-------------------- DUT |
| 0:01:01.652458 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a44e, FOpts: ), FPort: 00, FRMPayload: 0305ff0001), MIC: dd7e77bc) |
| 0:01:01.652458 | LOG | PULL\_RESP: Protocol version = 02, Token = fa49, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1629460866, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4ATqQApaSZrDPdfne8'}} |
| 0:01:01.652458 | LOG | Server --------------------> DUT |
| 0:01:01.652458 | LOG | TX\_ACK: 02 fa49 05 aa555a0000240409 |
| 0:01:04.542841 | LOG | PULL\_DATA: 02 1823 02 aa555a0000240409 |
| 0:01:04.542841 | LOG | PULL\_ACK: 02 1823 04 |
| 0:01:06.529329 | LOG | PUSH\_ACK: 02 1215 01 |
| 0:01:06.529329 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1215, Identifier = 00, JSON = {'rxpk': [{'tmst': 1633303723, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -40, 'size': 17, 'data': 'QO++rd6CDQEDB+DqhCRkY4o='}]} |
| 0:01:06.529329 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 010d, FOpts: 0307), FPort: e0, FRMPayload: 00bb, MIC: 2464638a) |
| 0:01:06.529329 | LOG | Server <-------------------- DUT |
| 0:01:06.529329 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:01:06.529329 | LOG | Command Answer: 0307 |
| 0:01:06.537396 | LOG | MAC command communication completed |
| 0:01:06.537396 | LOG | Send RXParamSetupReq process starts |
| 0:01:11.331097 | LOG | PUSH\_ACK: 02 1216 01 |
| 0:01:11.333189 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1216, Identifier = 00, JSON = {'rxpk': [{'tmst': 1638145627, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -53, 'size': 15, 'data': 'QO++rd6ADgHgYFyuL6yq'}]} |
| 0:01:11.333189 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 010e, FOpts: ), FPort: e0, FRMPayload: 00bb, MIC: ae2facaa) |
| 0:01:11.333189 | LOG | Server <-------------------- DUT |
| 0:01:11.333189 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a44f, FOpts: ), FPort: 00, FRMPayload: 051868e28c), MIC: 0512c87a) |
| 0:01:11.333189 | LOG | PULL\_RESP: Protocol version = 02, Token = 9c7d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1639145627, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AT6QAYsQSR8kFEsh6'}} |
| 0:01:11.333189 | LOG | Server --------------------> DUT |
| 0:01:11.333189 | LOG | TX\_ACK: 02 9c7d 05 aa555a0000240409 |
| 0:01:14.630845 | LOG | PULL\_DATA: 02 41d7 02 aa555a0000240409 |
| 0:01:14.630845 | LOG | PULL\_ACK: 02 41d7 04 |
| 0:01:16.166238 | LOG | PUSH\_ACK: 02 1217 01 |
| 0:01:16.168369 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1217, Identifier = 00, JSON = {'rxpk': [{'tmst': 1642988321, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -43, 'size': 17, 'data': 'QO++rd6CDwEFB+D6bH8RHQM='}]} |
| 0:01:16.168369 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 010f, FOpts: 0507), FPort: e0, FRMPayload: 00bc, MIC: 7f111d03) |
| 0:01:16.168369 | LOG | Server <-------------------- DUT |
| 0:01:16.168369 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:01:16.168369 | LOG | Command Answer: 0507 |
| 0:01:16.176475 | LOG | Send ACK to DUT process starts |
| 0:01:16.176475 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a450, FOpts: ), FPort: , FRMPayload: ), MIC: 4aae73c2) |
| 0:01:16.176475 | LOG | PULL\_RESP: Protocol version = 02, Token = 4203, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1643988321, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AUKRKrnPC'}} |
| 0:01:16.176475 | LOG | Server --------------------> DUT |
| 0:01:16.176475 | LOG | Send ACK to DUT tested successfully |
| 0:01:16.176475 | LOG | MAC command communication completed |
| 0:01:16.186439 | LOG | Packet error rate (Confirmed) SF10BW125 process starts |
| 0:01:21.016947 | LOG | PUSH\_ACK: 02 1218 01 |
| 0:01:21.018981 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1218, Identifier = 00, JSON = {'rxpk': [{'tmst': 1647830208, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AEAHgczqgyoEI'}]} |
| 0:01:21.018981 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0110, FOpts: ), FPort: e0, FRMPayload: 00bd, MIC: a0ca8108) |
| 0:01:21.018981 | LOG | Server <-------------------- DUT |
| 0:01:21.018981 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a451, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e1dbfc26) |
| 0:01:21.018981 | LOG | PULL\_RESP: Protocol version = 02, Token = 61d0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1648830208, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4AUaTg4oPVqTan3Rauxl2zUmJul5dQTUgkGg2h94ze2PkIjdYWYfJcn1mjVBwKUgL/MhFMEjzadlP1OAri1yD2TAcQT0TqB9tt1j4NPKIdla+OTBAFpNU0yJ3d+yjSXO8mJGe5wuiDn78D2rvq7XpqTNzgIKnvAawVApOzCzN9en7WS8OC4dv8Jg=='}} |
| 0:01:21.018981 | LOG | Server --------------------> DUT |
| 0:01:21.018981 | LOG | TX\_ACK: 02 61d0 05 aa555a0000240409 |
| 0:01:24.702894 | LOG | PULL\_DATA: 02 33f2 02 aa555a0000240409 |
| 0:01:24.702894 | LOG | PULL\_ACK: 02 33f2 04 |
| 0:01:25.915825 | LOG | PUSH\_ACK: 02 1219 01 |
| 0:01:25.915825 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1219, Identifier = 00, JSON = {'rxpk': [{'tmst': 1652713049, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 5.8, 'rssi': -40, 'size': 15, 'data': 'QO++rd6gEQHgGPiZZ1/I'}]} |
| 0:01:25.915825 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0111, FOpts: ), FPort: e0, FRMPayload: 00be, MIC: 99675fc8) |
| 0:01:25.915825 | LOG | Server <-------------------- DUT |
| 0:01:25.915825 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a452, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d3ae402c) |
| 0:01:25.915825 | LOG | PULL\_RESP: Protocol version = 02, Token = a27e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1653713049, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4AUqTg+DH8/AgSAVTEtKQ+54JQHr3gpMHX6wHmJnTvofcl6tZHtZQm8xTiTTAxxy4uQKcQl1n05HodkHxlLSvYI3TgiA4hlL71mNG0z3sf/BCUecXSc/9Rb1D6oEJvJ6RBT/gRiqOV/Oq61jIogDDRjzWtt8BXHuMhCK8b+zPLsk6FBYk1065ALA=='}} |
| 0:01:25.915825 | LOG | Server --------------------> DUT |
| 0:01:25.915825 | LOG | TX\_ACK: 02 a27e 05 aa555a0000240409 |
| 0:01:30.749596 | LOG | PUSH\_ACK: 02 121b 01 |
| 0:01:30.751662 | LOG | PUSH\_DATA: Protocol version = 02, Token = 121b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1657555344, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6gEgHgXsVZzm6E'}]} |
| 0:01:30.751662 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0112, FOpts: ), FPort: e0, FRMPayload: 00bf, MIC: 59ce6e84) |
| 0:01:30.751662 | LOG | Server <-------------------- DUT |
| 0:01:30.751662 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a453, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 25f33989) |
| 0:01:30.751662 | LOG | PULL\_RESP: Protocol version = 02, Token = e25e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1658555344, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4AU6TgWA2udj5xlfM9ei5Kyl7xP1QDZsU3b+uGMrY6aiqAqD3HZGY9svd6RWEhg0IC5PMlFKbPJwNB4RyPdxE1iWg+Bzix6zIkNtR4xoSMoFjYZkCw4yDUMF2kxLgu8ePrFIFc0aDScICASLtFdaMbXWrLbHF8X6uJ94kTgnHKqGeQFeMMJfM5iQ=='}} |
| 0:01:30.751662 | LOG | Server --------------------> DUT |
| 0:01:30.751662 | LOG | TX\_ACK: 02 e25e 05 aa555a0000240409 |
| 0:01:34.860535 | LOG | PULL\_DATA: 02 af3c 02 aa555a0000240409 |
| 0:01:34.860535 | LOG | PULL\_ACK: 02 af3c 04 |
| 0:01:35.593700 | LOG | PUSH\_ACK: 02 121c 01 |
| 0:01:35.593700 | LOG | PUSH\_DATA: Protocol version = 02, Token = 121c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1662397840, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6gEwHgDYwLZfRB'}]} |
| 0:01:35.593700 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0113, FOpts: ), FPort: e0, FRMPayload: 00c0, MIC: 0b65f441) |
| 0:01:35.593700 | LOG | Server <-------------------- DUT |
| 0:01:35.593700 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a454, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 672987a3) |
| 0:01:35.593700 | LOG | PULL\_RESP: Protocol version = 02, Token = 7eab, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1663397840, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4AVKTg3QrWGb0Gq0WwiF9zxoWCIGezMoaAYk1fICGEXsWrAJ80rTsELLYyefhR3cX9vQNtNvj2OVcEGTs/x/LNQ1TLhDKq/qdthnEVFpwQ9+oTqmjFspbi0QEhHeMKXDzuafUyLd9eEwy7h2ayxED0lQpiMI7TSN3/6pU9VZuWyWz/VZlsZymHow=='}} |
| 0:01:35.593700 | LOG | Server --------------------> DUT |
| 0:01:35.593700 | LOG | TX\_ACK: 02 7eab 05 aa555a0000240409 |
| 0:01:40.450302 | LOG | PUSH\_ACK: 02 121d 01 |
| 0:01:40.450302 | LOG | PUSH\_DATA: Protocol version = 02, Token = 121d, Identifier = 00, JSON = {'rxpk': [{'tmst': 1667240112, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6gFAHgwN9C74SE'}]} |
| 0:01:40.450302 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0114, FOpts: ), FPort: e0, FRMPayload: 00c1, MIC: 42ef8484) |
| 0:01:40.450302 | LOG | Server <-------------------- DUT |
| 0:01:40.450302 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a455, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7d7592cf) |
| 0:01:40.450302 | LOG | PULL\_RESP: Protocol version = 02, Token = 692a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1668240112, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4AVaTgx7FQqMEejcbtU4tThAw9vjTaZZOx+LtUZD+YPszBco7TGxvf/RYFvShCVdFsi0aFRzz6UnAzeVlP9JNRROUPwKsGj3WriIVKlLRDVgjKX9VrVV471gL78y5JR9a6DHS8Bj4JEdCW6z/KCJooj6/l0EcOhA+PdOlb5B9NSzzhsrlCfXWSzw=='}} |
| 0:01:40.450302 | LOG | Server --------------------> DUT |
| 0:01:40.450302 | LOG | TX\_ACK: 02 692a 05 aa555a0000240409 |
| 0:01:44.946456 | LOG | PULL\_DATA: 02 3c75 02 aa555a0000240409 |
| 0:01:44.946456 | LOG | PULL\_ACK: 02 3c75 04 |
| 0:01:45.271719 | LOG | PUSH\_ACK: 02 121e 01 |
| 0:01:45.271719 | LOG | PUSH\_DATA: Protocol version = 02, Token = 121e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1672082440, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -41, 'size': 15, 'data': 'QO++rd6gFQHgwUSFpPtS'}]} |
| 0:01:45.271719 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0115, FOpts: ), FPort: e0, FRMPayload: 00c2, MIC: 85a4fb52) |
| 0:01:45.271719 | LOG | Server <-------------------- DUT |
| 0:01:45.279767 | LOG | Number of downlinks: 5 |
| 0:01:45.281829 | LOG | Number of errors: 0 |
| 0:01:45.281829 | LOG | Packet Error Rate (%): 0.0 |
| 0:01:45.281829 | LOG | Packet error rate SF10BW125 process tested successfully |
| 0:01:45.281829 | LOG | Send LinkADRReq process starts |
| 0:01:50.119955 | LOG | PUSH\_ACK: 02 121f 01 |
| 0:01:50.119955 | LOG | PUSH\_DATA: Protocol version = 02, Token = 121f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1676924680, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AFgHg/ApWxUca'}]} |
| 0:01:50.119955 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0116, FOpts: ), FPort: e0, FRMPayload: 00c2, MIC: 56c5471a) |
| 0:01:50.119955 | LOG | Server <-------------------- DUT |
| 0:01:50.119955 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a456, FOpts: ), FPort: 00, FRMPayload: 0305ff0001), MIC: 2abaad53) |
| 0:01:50.119955 | LOG | PULL\_RESP: Protocol version = 02, Token = 4d97, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1677924680, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AVqQALkFPMTwquq1T'}} |
| 0:01:50.119955 | LOG | Server --------------------> DUT |
| 0:01:50.119955 | LOG | TX\_ACK: 02 4d97 05 aa555a0000240409 |
| 0:01:54.944259 | LOG | PUSH\_ACK: 02 1220 01 |
| 0:01:54.944259 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1220, Identifier = 00, JSON = {'rxpk': [{'tmst': 1681767232, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -43, 'size': 17, 'data': 'QO++rd6CFwEDB+BObXkj2KY='}]} |
| 0:01:54.944259 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0117, FOpts: 0307), FPort: e0, FRMPayload: 00c3, MIC: 7923d8a6) |
| 0:01:54.944259 | LOG | Server <-------------------- DUT |
| 0:01:54.944259 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:01:54.944259 | LOG | Command Answer: 0307 |
| 0:01:54.954260 | LOG | MAC command communication completed |
| 0:01:54.954260 | LOG | Send RXParamSetupReq process starts |
| 0:01:55.034260 | LOG | PULL\_DATA: 02 8abc 02 aa555a0000240409 |
| 0:01:55.034260 | LOG | PULL\_ACK: 02 8abc 04 |
| 0:01:59.824170 | LOG | PUSH\_ACK: 02 1221 01 |
| 0:01:59.824170 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1221, Identifier = 00, JSON = {'rxpk': [{'tmst': 1686609216, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AGAHgl1c0Td06'}]} |
| 0:01:59.824170 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0118, FOpts: ), FPort: e0, FRMPayload: 00c3, MIC: 344ddd3a) |
| 0:01:59.824170 | LOG | Server <-------------------- DUT |
| 0:01:59.824170 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a457, FOpts: ), FPort: 00, FRMPayload: 052868e28c), MIC: fc829bbe) |
| 0:01:59.824170 | LOG | PULL\_RESP: Protocol version = 02, Token = af15, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1687609216, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AV6QAwkxdtir8gpu+'}} |
| 0:01:59.824170 | LOG | Server --------------------> DUT |
| 0:01:59.824170 | LOG | TX\_ACK: 02 af15 05 aa555a0000240409 |
| 0:02:04.657846 | LOG | PUSH\_ACK: 02 1223 01 |
| 0:02:04.657846 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1223, Identifier = 00, JSON = {'rxpk': [{'tmst': 1691492309, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -39, 'size': 17, 'data': 'QO++rd6CGQEFB+BIQFsC6bI='}]} |
| 0:02:04.657846 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0119, FOpts: 0507), FPort: e0, FRMPayload: 00c4, MIC: 5b02e9b2) |
| 0:02:04.657846 | LOG | Server <-------------------- DUT |
| 0:02:04.657846 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:02:04.657846 | LOG | Command Answer: 0507 |
| 0:02:04.667843 | LOG | Send ACK to DUT process starts |
| 0:02:04.667843 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a458, FOpts: ), FPort: , FRMPayload: ), MIC: 1d923bd9) |
| 0:02:04.667843 | LOG | PULL\_RESP: Protocol version = 02, Token = 9ec6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1692492309, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AWKQdkjvZ'}} |
| 0:02:04.667843 | LOG | Server --------------------> DUT |
| 0:02:04.667843 | LOG | Send ACK to DUT tested successfully |
| 0:02:04.667843 | LOG | MAC command communication completed |
| 0:02:04.677845 | LOG | Packet error rate (Confirmed) SF10BW125 process starts |
| 0:02:05.087810 | LOG | PULL\_DATA: 02 c210 02 aa555a0000240409 |
| 0:02:05.087810 | LOG | PULL\_ACK: 02 c210 04 |
| 0:02:09.492371 | LOG | PUSH\_ACK: 02 1224 01 |
| 0:02:09.492371 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1224, Identifier = 00, JSON = {'rxpk': [{'tmst': 1696334253, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AGgHgHnHomukR'}]} |
| 0:02:09.492371 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 011a, FOpts: ), FPort: e0, FRMPayload: 00c5, MIC: e89ae911) |
| 0:02:09.492371 | LOG | Server <-------------------- DUT |
| 0:02:09.492371 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a459, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 46cea6b1) |
| 0:02:09.492371 | LOG | PULL\_RESP: Protocol version = 02, Token = 7836, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1697334253, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4AWaTgUYngHu5FBFfxzqRr+jZreq5ZUiU7EAkbdHC0WRx4tgRkzPc/gU8oJMW0Y2RbrXab8wxWHhFGzqax'}} |
| 0:02:09.492371 | LOG | Server --------------------> DUT |
| 0:02:09.492371 | LOG | TX\_ACK: 02 7836 05 aa555a0000240409 |
| 0:02:14.393197 | LOG | PUSH\_ACK: 02 1225 01 |
| 0:02:14.395377 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1225, Identifier = 00, JSON = {'rxpk': [{'tmst': 1701176511, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6gGwHg9fzm53OO'}]} |
| 0:02:14.395377 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 011b, FOpts: ), FPort: e0, FRMPayload: 00c6, MIC: e6e7738e) |
| 0:02:14.395377 | LOG | Server <-------------------- DUT |
| 0:02:14.395377 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a45a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 308bdf26) |
| 0:02:14.395377 | LOG | PULL\_RESP: Protocol version = 02, Token = 3ece, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1702176511, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4AWqTg1PzvvTykRBGDk8RnJtf2SdG19lKbLCzhdzYt2S+a1jWMGnovn2lYMA1nxs7aEf0asEl2lywwi98m'}} |
| 0:02:14.395377 | LOG | Server --------------------> DUT |
| 0:02:14.395377 | LOG | TX\_ACK: 02 3ece 05 aa555a0000240409 |
| 0:02:15.243344 | LOG | PULL\_DATA: 02 7601 02 aa555a0000240409 |
| 0:02:15.243344 | LOG | PULL\_ACK: 02 7601 04 |
| 0:02:19.254877 | LOG | PUSH\_ACK: 02 1226 01 |
| 0:02:19.254877 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1226, Identifier = 00, JSON = {'rxpk': [{'tmst': 1706018783, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6gHAHgk3J8SSiJ'}]} |
| 0:02:19.254877 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 011c, FOpts: ), FPort: e0, FRMPayload: 00c7, MIC: 7c492889) |
| 0:02:19.254877 | LOG | Server <-------------------- DUT |
| 0:02:19.254877 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a45b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 6ae6b602) |
| 0:02:19.254877 | LOG | PULL\_RESP: Protocol version = 02, Token = e1a3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1707018783, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4AW6TgDkTAWJOpBPuvKf2m1A2OElxvhGtHP7CYETiWiWwA9x8YxXp9gZy+JLrfy3j3ziCJ0gdGZrhq5rYC'}} |
| 0:02:19.254877 | LOG | Server --------------------> DUT |
| 0:02:19.254877 | LOG | TX\_ACK: 02 e1a3 05 aa555a0000240409 |
| 0:02:24.060023 | LOG | PUSH\_ACK: 02 1227 01 |
| 0:02:24.062082 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1227, Identifier = 00, JSON = {'rxpk': [{'tmst': 1710861046, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -40, 'size': 15, 'data': 'QO++rd6gHQHgu5pZ0d26'}]} |
| 0:02:24.062082 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 011d, FOpts: ), FPort: e0, FRMPayload: 00c8, MIC: 59d1ddba) |
| 0:02:24.062082 | LOG | Server <-------------------- DUT |
| 0:02:24.062082 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a45c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5de1f0d8) |
| 0:02:24.062082 | LOG | PULL\_RESP: Protocol version = 02, Token = cef3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1711861046, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4AXKTgHHPYbbC9J/JklAPJ+3bRxYRI3V9g3UJqye9PAnMH+XUDIdNJsHvosN+01Wd0y8+2hQnT3k9d4fDY'}} |
| 0:02:24.062082 | LOG | Server --------------------> DUT |
| 0:02:24.062082 | LOG | TX\_ACK: 02 cef3 05 aa555a0000240409 |
| 0:02:25.318164 | LOG | PULL\_DATA: 02 1bcc 02 aa555a0000240409 |
| 0:02:25.318164 | LOG | PULL\_ACK: 02 1bcc 04 |
| 0:02:28.891782 | LOG | PUSH\_ACK: 02 1228 01 |
| 0:02:28.891782 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1228, Identifier = 00, JSON = {'rxpk': [{'tmst': 1715703269, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6gHgHgC1pgnbn3'}]} |
| 0:02:28.891782 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 011e, FOpts: ), FPort: e0, FRMPayload: 00c9, MIC: 609db9f7) |
| 0:02:28.891782 | LOG | Server <-------------------- DUT |
| 0:02:28.891782 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a45d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 72254f97) |
| 0:02:28.891782 | LOG | PULL\_RESP: Protocol version = 02, Token = c457, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1716703269, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4AXaTggdgalNKcjjA9e9zPRJSgSD1D3Bswcetc0yJwMxplD5pycddZQ3tG1gfIsWVIAHeqDHRk1jRyJU+X'}} |
| 0:02:28.891782 | LOG | Server --------------------> DUT |
| 0:02:28.891782 | LOG | TX\_ACK: 02 c457 05 aa555a0000240409 |
| 0:02:32.472351 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:02:32.472351 | LOG | Previous uplink Frame type (FType): 110 |
| 0:02:33.762275 | LOG | PUSH\_ACK: 02 122b 01 |
| 0:02:33.762275 | LOG | PUSH\_DATA: Protocol version = 02, Token = 122b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1720545541, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -42, 'size': 15, 'data': 'QO++rd6gHwHgTwVHaGun'}]} |
| 0:02:33.762275 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 011f, FOpts: ), FPort: e0, FRMPayload: 00ca, MIC: 47686ba7) |
| 0:02:33.762275 | LOG | Server <-------------------- DUT |
| 0:02:33.762275 | LOG | Number of downlinks: 5 |
| 0:02:33.772243 | LOG | Number of errors: 0 |
| 0:02:33.772243 | LOG | Packet Error Rate (%): 0.0 |
| 0:02:33.772243 | LOG | Packet error rate SF10BW125 process tested successfully |
| 0:02:33.772243 | LOG | Send LinkADRReq process starts |
| 0:02:35.486406 | LOG | PULL\_DATA: 02 2878 02 aa555a0000240409 |
| 0:02:35.486406 | LOG | PULL\_ACK: 02 2878 04 |
| 0:02:38.596343 | LOG | PUSH\_ACK: 02 122c 01 |
| 0:02:38.596343 | LOG | PUSH\_DATA: Protocol version = 02, Token = 122c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1725387869, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AIAHgtJ5Q8a39'}]} |
| 0:02:38.596343 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0120, FOpts: ), FPort: e0, FRMPayload: 00ca, MIC: 50f1adfd) |
| 0:02:38.596343 | LOG | Server <-------------------- DUT |
| 0:02:38.600269 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a45e, FOpts: ), FPort: 00, FRMPayload: 0305ff0001), MIC: d1cbba64) |
| 0:02:38.600269 | LOG | PULL\_RESP: Protocol version = 02, Token = 53d8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1726387869, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AXqQAnI0BvubRy7pk'}} |
| 0:02:38.600269 | LOG | Server --------------------> DUT |
| 0:02:38.600269 | LOG | TX\_ACK: 02 53d8 05 aa555a0000240409 |
| 0:02:43.504721 | LOG | PUSH\_ACK: 02 122d 01 |
| 0:02:43.504721 | LOG | PUSH\_DATA: Protocol version = 02, Token = 122d, Identifier = 00, JSON = {'rxpk': [{'tmst': 1730271158, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -37, 'size': 17, 'data': 'QO++rd6CIQEDB+ApjPJ0nOw='}]} |
| 0:02:43.504721 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0121, FOpts: 0307), FPort: e0, FRMPayload: 00cb, MIC: f2749cec) |
| 0:02:43.504721 | LOG | Server <-------------------- DUT |
| 0:02:43.504721 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:02:43.504721 | LOG | Command Answer: 0307 |
| 0:02:43.511187 | LOG | MAC command communication completed |
| 0:02:43.511187 | LOG | Send RXParamSetupReq process starts |
| 0:02:45.532600 | LOG | PULL\_DATA: 02 4eaa 02 aa555a0000240409 |
| 0:02:45.532600 | LOG | PULL\_ACK: 02 4eaa 04 |
| 0:02:48.297749 | LOG | PUSH\_ACK: 02 122e 01 |
| 0:02:48.299801 | LOG | PUSH\_DATA: Protocol version = 02, Token = 122e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1735113094, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AIgHgzRO1q0YI'}]} |
| 0:02:48.299801 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0122, FOpts: ), FPort: e0, FRMPayload: 00cb, MIC: b5ab4608) |
| 0:02:48.299801 | LOG | Server <-------------------- DUT |
| 0:02:48.299801 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a45f, FOpts: ), FPort: 00, FRMPayload: 053868e28c), MIC: 16fcb2ab) |
| 0:02:48.299801 | LOG | PULL\_RESP: Protocol version = 02, Token = bcf1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1736113094, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AX6QAc4TpC2EW/LKr'}} |
| 0:02:48.299801 | LOG | Server --------------------> DUT |
| 0:02:48.299801 | LOG | TX\_ACK: 02 bcf1 05 aa555a0000240409 |
| 0:02:53.117758 | LOG | PUSH\_ACK: 02 122f 01 |
| 0:02:53.117758 | LOG | PUSH\_DATA: Protocol version = 02, Token = 122f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1739955674, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -42, 'size': 17, 'data': 'QO++rd6CIwEFB+D+Ll7I8TA='}]} |
| 0:02:53.117758 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0123, FOpts: 0507), FPort: e0, FRMPayload: 00cc, MIC: 5ec8f130) |
| 0:02:53.117758 | LOG | Server <-------------------- DUT |
| 0:02:53.117758 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:02:53.117758 | LOG | Command Answer: 0507 |
| 0:02:53.141318 | LOG | Send ACK to DUT process starts |
| 0:02:53.141318 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a460, FOpts: ), FPort: , FRMPayload: ), MIC: 365c473b) |
| 0:02:53.141318 | LOG | PULL\_RESP: Protocol version = 02, Token = 125d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1740955674, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AYKQ2XEc7'}} |
| 0:02:53.141318 | LOG | Server --------------------> DUT |
| 0:02:53.151318 | LOG | Send ACK to DUT tested successfully |
| 0:02:53.151318 | LOG | MAC command communication completed |
| 0:02:53.151318 | LOG | Packet error rate (Confirmed) SF10BW125 process starts |
| 0:02:55.617891 | LOG | PULL\_DATA: 02 6d4b 02 aa555a0000240409 |
| 0:02:55.617891 | LOG | PULL\_ACK: 02 6d4b 04 |
| 0:02:57.989528 | LOG | PUSH\_ACK: 02 1230 01 |
| 0:02:57.989528 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1230, Identifier = 00, JSON = {'rxpk': [{'tmst': 1744797609, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AJAHgangqfkLH'}]} |
| 0:02:57.989528 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0124, FOpts: ), FPort: e0, FRMPayload: 00cd, MIC: 2a7e42c7) |
| 0:02:57.989528 | LOG | Server <-------------------- DUT |
| 0:02:57.989528 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a461, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 60096df0) |
| 0:02:57.994298 | LOG | PULL\_RESP: Protocol version = 02, Token = 3083, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1745797609, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4AYaTg/D5hGIc4k1C+21gA8YI91L2yag6OSfXvz23kKmFdoQSz9MBLjBbJLScMHV/PD510t+sPrAZgCW3w'}} |
| 0:02:57.994298 | LOG | Server --------------------> DUT |
| 0:02:57.994298 | LOG | TX\_ACK: 02 3083 05 aa555a0000240409 |
| 0:03:02.867244 | LOG | PUSH\_ACK: 02 1232 01 |
| 0:03:02.867244 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1232, Identifier = 00, JSON = {'rxpk': [{'tmst': 1749639834, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -39, 'size': 15, 'data': 'QO++rd6gJQHg/uFR38zp'}]} |
| 0:03:02.867244 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0125, FOpts: ), FPort: e0, FRMPayload: 00ce, MIC: 51dfcce9) |
| 0:03:02.867244 | LOG | Server <-------------------- DUT |
| 0:03:02.867244 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a462, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 02b58067) |
| 0:03:02.867244 | LOG | PULL\_RESP: Protocol version = 02, Token = d21a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1750639834, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4AYqTgEePOw277h5LpYmuk4l3To7A+AzoJ2ZJgxkPKwQfVViet4qBh98m/k42OUipSOjDw0yNa/rwCtYBn'}} |
| 0:03:02.867244 | LOG | Server --------------------> DUT |
| 0:03:02.867244 | LOG | TX\_ACK: 02 d21a 05 aa555a0000240409 |
| 0:03:05.757234 | LOG | PULL\_DATA: 02 3038 02 aa555a0000240409 |
| 0:03:05.757234 | LOG | PULL\_ACK: 02 3038 04 |
| 0:03:07.697082 | LOG | PUSH\_ACK: 02 1233 01 |
| 0:03:07.699103 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1233, Identifier = 00, JSON = {'rxpk': [{'tmst': 1754482066, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -59, 'size': 15, 'data': 'QO++rd6gJgHgIjcwHmOO'}]} |
| 0:03:07.699103 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0126, FOpts: ), FPort: e0, FRMPayload: 00cf, MIC: 301e638e) |
| 0:03:07.699103 | LOG | Server <-------------------- DUT |
| 0:03:07.699103 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a463, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b641edab) |
| 0:03:07.699103 | LOG | PULL\_RESP: Protocol version = 02, Token = 1dee, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1755482066, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4AY6Tg5f+dgYGz+YWHrsegcJbu82HwIULKmC4A/djnNZnaEgXNFNw6ZtF2q3f0hkD3TuhsJqcEBkK2Qe2r'}} |
| 0:03:07.699103 | LOG | Server --------------------> DUT |
| 0:03:07.699103 | LOG | TX\_ACK: 02 1dee 05 aa555a0000240409 |
| 0:03:12.495623 | LOG | PUSH\_ACK: 02 1234 01 |
| 0:03:12.495623 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1234, Identifier = 00, JSON = {'rxpk': [{'tmst': 1759324490, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6gJwHgfUZgWGNv'}]} |
| 0:03:12.495623 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0127, FOpts: ), FPort: e0, FRMPayload: 00d0, MIC: 6058636f) |
| 0:03:12.495623 | LOG | Server <-------------------- DUT |
| 0:03:12.505616 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a464, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 51549e82) |
| 0:03:12.505616 | LOG | PULL\_RESP: Protocol version = 02, Token = 23e4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1760324490, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4AZKTg/p9TkCj/PH7wrYUm+zhrvk6P8ed4qsVZw2ceoZqLdXS+684qlcJ+JVeg8n5M2o3PWT9moJxRVJ6C'}} |
| 0:03:12.505616 | LOG | Server --------------------> DUT |
| 0:03:12.505616 | LOG | TX\_ACK: 02 23e4 05 aa555a0000240409 |
| 0:03:15.839533 | LOG | PULL\_DATA: 02 6e90 02 aa555a0000240409 |
| 0:03:15.839533 | LOG | PULL\_ACK: 02 6e90 04 |
| 0:03:17.328220 | LOG | PUSH\_ACK: 02 1235 01 |
| 0:03:17.330381 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1235, Identifier = 00, JSON = {'rxpk': [{'tmst': 1764166690, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6gKAHgR2+e6yqk'}]} |
| 0:03:17.330381 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0128, FOpts: ), FPort: e0, FRMPayload: 00d1, MIC: 9eeb2aa4) |
| 0:03:17.330381 | LOG | Server <-------------------- DUT |
| 0:03:17.330381 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a465, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c78ae801) |
| 0:03:17.330381 | LOG | PULL\_RESP: Protocol version = 02, Token = 69be, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1765166690, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4AZaTgKCm2o+Uswoq+1vwxIo2pZohicEbzU9UuFiik40Gm0Fx/7rEcrKm8VIU+1GmsHioYPBigfu3HiugB'}} |
| 0:03:17.330381 | LOG | Server --------------------> DUT |
| 0:03:17.330381 | LOG | TX\_ACK: 02 69be 05 aa555a0000240409 |
| 0:03:22.230584 | LOG | PUSH\_ACK: 02 1236 01 |
| 0:03:22.232648 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1236, Identifier = 00, JSON = {'rxpk': [{'tmst': 1769049467, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6gKQHgnaREQfHJ'}]} |
| 0:03:22.232648 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0129, FOpts: ), FPort: e0, FRMPayload: 00d2, MIC: 4441f1c9) |
| 0:03:22.232648 | LOG | Server <-------------------- DUT |
| 0:03:22.232648 | LOG | Number of downlinks: 5 |
| 0:03:22.240688 | LOG | Number of errors: 0 |
| 0:03:22.240688 | LOG | Packet Error Rate (%): 0.0 |
| 0:03:22.240688 | LOG | Packet error rate SF10BW125 process tested successfully |
| 0:03:22.240688 | LOG | End Test Step: Test packet error rate for SF10BW125 using RX1 window |
| 0:03:22.240688 | LOG | Partial Verdict: PASS |
| 0:03:22.240688 | LOG | ========================================================= |
| 0:03:22.250694 | LOG | ========================================================= |
| 0:03:22.250694 | LOG | Start Test Step: Test packet error rate for SF9BW125 using RX1 window |
| 0:03:22.260660 | LOG | Send LinkADRReq process starts |
| 0:03:25.960563 | LOG | PULL\_DATA: 02 cc61 02 aa555a0000240409 |
| 0:03:25.960563 | LOG | PULL\_ACK: 02 cc61 04 |
| 0:03:27.070594 | LOG | PUSH\_ACK: 02 1237 01 |
| 0:03:27.070594 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1237, Identifier = 00, JSON = {'rxpk': [{'tmst': 1773891659, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AKgHgdZIwRuqq'}]} |
| 0:03:27.070594 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 012a, FOpts: ), FPort: e0, FRMPayload: 00d2, MIC: 3046eaaa) |
| 0:03:27.070594 | LOG | Server <-------------------- DUT |
| 0:03:27.070594 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a466, FOpts: ), FPort: 00, FRMPayload: 0315ff0001), MIC: d2bea2c7) |
| 0:03:27.070594 | LOG | PULL\_RESP: Protocol version = 02, Token = 0973, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1774891659, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AZqQAxYAJj5vSvqLH'}} |
| 0:03:27.070594 | LOG | Server --------------------> DUT |
| 0:03:27.070594 | LOG | TX\_ACK: 02 0973 05 aa555a0000240409 |
| 0:03:31.738521 | LOG | PUSH\_ACK: 02 1239 01 |
| 0:03:31.740563 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1239, Identifier = 00, JSON = {'rxpk': [{'tmst': 1778568996, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -43, 'size': 17, 'data': 'QO++rd6CKwEDB+BfaMVNJtU='}]} |
| 0:03:31.740563 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 012b, FOpts: 0307), FPort: e0, FRMPayload: 00d3, MIC: c54d26d5) |
| 0:03:31.740563 | LOG | Server <-------------------- DUT |
| 0:03:31.740563 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:03:31.740563 | LOG | Command Answer: 0307 |
| 0:03:31.740563 | LOG | MAC command communication completed |
| 0:03:31.748617 | LOG | Send RXParamSetupReq process starts |
| 0:03:36.075641 | LOG | PULL\_DATA: 02 32c0 02 aa555a0000240409 |
| 0:03:36.075641 | LOG | PULL\_ACK: 02 32c0 04 |
| 0:03:36.612430 | LOG | PUSH\_ACK: 02 123a 01 |
| 0:03:36.614486 | LOG | PUSH\_DATA: Protocol version = 02, Token = 123a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1783410948, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6ALAHg+fF2KXqS'}]} |
| 0:03:36.614486 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 012c, FOpts: ), FPort: e0, FRMPayload: 00d3, MIC: 76297a92) |
| 0:03:36.614486 | LOG | Server <-------------------- DUT |
| 0:03:36.614486 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a467, FOpts: ), FPort: 00, FRMPayload: 050868e28c), MIC: 0ee570b8) |
| 0:03:36.614486 | LOG | PULL\_RESP: Protocol version = 02, Token = 5ed4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1784410948, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AZ6QA+Dgr2V8O5XC4'}} |
| 0:03:36.614486 | LOG | Server --------------------> DUT |
| 0:03:36.614486 | LOG | TX\_ACK: 02 5ed4 05 aa555a0000240409 |
| 0:03:41.432580 | LOG | PUSH\_ACK: 02 123b 01 |
| 0:03:41.434654 | LOG | PUSH\_DATA: Protocol version = 02, Token = 123b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1788253470, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -43, 'size': 17, 'data': 'QO++rd6CLQEFB+D17UlkfPc='}]} |
| 0:03:41.434654 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 012d, FOpts: 0507), FPort: e0, FRMPayload: 00d4, MIC: 49647cf7) |
| 0:03:41.434654 | LOG | Server <-------------------- DUT |
| 0:03:41.434654 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:03:41.434654 | LOG | Command Answer: 0507 |
| 0:03:41.442737 | LOG | Send ACK to DUT process starts |
| 0:03:41.442737 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a468, FOpts: ), FPort: , FRMPayload: ), MIC: 140cc88a) |
| 0:03:41.442737 | LOG | PULL\_RESP: Protocol version = 02, Token = 25aa, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1789253470, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AaKQUDMiK'}} |
| 0:03:41.442737 | LOG | Server --------------------> DUT |
| 0:03:41.442737 | LOG | Send ACK to DUT tested successfully |
| 0:03:41.442737 | LOG | MAC command communication completed |
| 0:03:41.452699 | LOG | Packet error rate (Confirmed) SF9BW125 process starts |
| 0:03:46.156939 | LOG | PULL\_DATA: 02 0889 02 aa555a0000240409 |
| 0:03:46.156939 | LOG | PULL\_ACK: 02 0889 04 |
| 0:03:46.296938 | LOG | PUSH\_ACK: 02 123c 01 |
| 0:03:46.296938 | LOG | PUSH\_DATA: Protocol version = 02, Token = 123c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1793095446, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ALgHgl83OJatn'}]} |
| 0:03:46.296938 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 012e, FOpts: ), FPort: e0, FRMPayload: 00d5, MIC: ce25ab67) |
| 0:03:46.296938 | LOG | Server <-------------------- DUT |
| 0:03:46.296938 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a469, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fb4f355d) |
| 0:03:46.296938 | LOG | PULL\_RESP: Protocol version = 02, Token = 9c8e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1794095446, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AaaTglnV/XAgAE/PUgTTYWbMIhI8eI7sfqBomTpEvs2tKDFsfpQcpWhyiA3SFNwljVl3YAbW+QbZCMlmiBtmJoIuTOeH2CPyfnjDr0pzX54XSLIyKXVOUkTcgIv9F04rYJLP5DD3CmUC/43veHyzOXGpMhojmc7qfFgXTx8YT+SPzkCZuTGshW/eFUqtQ8Tr288FC1+O9hAxaH85s6EDu8V5DCmMkhr2w4WqK/LWunVO8pBOEwqAaQOeJ+lAhxtdFE+3OBHlRUyEQ+hksutQPzOvbDrJbtNBN41HDcJug8maHL/sSU9b6koFzuYdVPrbmhjTzjB77TzVd'}} |
| 0:03:46.296938 | LOG | Server --------------------> DUT |
| 0:03:46.296938 | LOG | TX\_ACK: 02 9c8e 05 aa555a0000240409 |
| 0:03:51.094218 | LOG | PUSH\_ACK: 02 123d 01 |
| 0:03:51.094218 | LOG | PUSH\_DATA: Protocol version = 02, Token = 123d, Identifier = 00, JSON = {'rxpk': [{'tmst': 1797937790, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6gLwHguMdyRIvk'}]} |
| 0:03:51.094218 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 012f, FOpts: ), FPort: e0, FRMPayload: 00d6, MIC: 72448be4) |
| 0:03:51.094218 | LOG | Server <-------------------- DUT |
| 0:03:51.094218 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a46a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 53451104) |
| 0:03:51.094218 | LOG | PULL\_RESP: Protocol version = 02, Token = a8e8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1798937790, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AaqTgbYp4X+gGzKcIxIVoDO9PbcdSk3WhL7UHnLSwbas1pGaTtfTOS6o4dHeygP4OOlm2u1yo3v3SNxKyzhuphmVAK4gwhkQfzt3Pp7V9HdwuHSNP9W7KhLlr/vFB4CCp7cPawyLtEoOpf7PUoZYIyvt9crcoeMXtbOVeBEvUoNL5DFMESLeLAd09xmHYrqVOKLxxrHB038ZSVKLdhFtm65VJVunMN7SR52piUEGjIkeg1MoDq2uuaq5d+gAqt8ePUPJwC7lMAd2s9VJMN9hEyAYVWCEmUCKgMjV05UvdoBg2pDDJ5TXkRggVPmiqNoeHMX/qCj5TRREE'}} |
| 0:03:51.094218 | LOG | Server --------------------> DUT |
| 0:03:51.094218 | LOG | TX\_ACK: 02 a8e8 05 aa555a0000240409 |
| 0:03:56.005642 | LOG | PUSH\_ACK: 02 123e 01 |
| 0:03:56.007919 | LOG | PUSH\_DATA: Protocol version = 02, Token = 123e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1802780302, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -42, 'size': 15, 'data': 'QO++rd6gMAHgez8ZP6Hq'}]} |
| 0:03:56.007919 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0130, FOpts: ), FPort: e0, FRMPayload: 00d7, MIC: 193fa1ea) |
| 0:03:56.007919 | LOG | Server <-------------------- DUT |
| 0:03:56.007919 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a46b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5c1c3adc) |
| 0:03:56.007919 | LOG | PULL\_RESP: Protocol version = 02, Token = dac0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1803780302, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4Aa6TgkK2b/nmS1o8bYHjrTyWo2e0q19uzztIX51FSos7w/+P+y318uEOuuL0atO/sKDQnTv8L7H/hd3onI9rfWgIVR2gukvXD4UbD1KljIomV6rKFkMHDQUqh7pEcQqOtRoYxOpHPNBHktKJeDc8IjICKnxUwNLkL1zWhHAGnPPf2MytB8RoPa2aXi2CfcObQng2Xh1v8X2HH5hkTMq9k3LoQaAsv3JvTlOXXX5VNb77aQt5kFo+H49pIjKCJmQRUQm+ydIoJdxJ5VjaNT6yjc9bO/xAanMLzY1NCYTy3lYnKI9kc9XC3MvAEED4ye56J5A2YnlZcHDrc'}} |
| 0:03:56.007919 | LOG | Server --------------------> DUT |
| 0:03:56.007919 | LOG | TX\_ACK: 02 dac0 05 aa555a0000240409 |
| 0:03:56.225993 | LOG | PULL\_DATA: 02 646a 02 aa555a0000240409 |
| 0:03:56.225993 | LOG | PULL\_ACK: 02 646a 04 |
| 0:04:00.823372 | LOG | PUSH\_ACK: 02 123f 01 |
| 0:04:00.825391 | LOG | PUSH\_DATA: Protocol version = 02, Token = 123f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1807663175, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6gMQHgo8sK9IJJ'}]} |
| 0:04:00.825391 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0131, FOpts: ), FPort: e0, FRMPayload: 00d8, MIC: 0af48249) |
| 0:04:00.825391 | LOG | Server <-------------------- DUT |
| 0:04:00.825391 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a46c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1947454e) |
| 0:04:00.825391 | LOG | PULL\_RESP: Protocol version = 02, Token = 7787, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1808663175, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AbKTgZu25Pv17danmQmish1lBumuaUnxMWtaWJ/IaWtxofJaJ9A/io6wsbiSZMLAU5UUL+xA4oCGJB259h/aXGZLKwm3VrD5dP+TFPo38vM2a4D2tcHzwI+fk0UaVpi6e+bX1XRXQE2/5Ng0TcBwdYcedY3s0EFkZzOBzB3Cw7K5WakzNhuPjwoRUJdAIvxqaQ5XvJocETGGHC3lSoU8e3wSza/H0vHYPMG8nvDo8KpQN+fE7eNj7e6eXHuuNk201Ip5rkZHxBatM3pmkrPR+ec+fuQ059KuvAaFmKdrG/nm0epG3U7XmeJpWNTIO6JaBCTAGB/sZR0VO'}} |
| 0:04:00.825391 | LOG | Server --------------------> DUT |
| 0:04:00.825391 | LOG | TX\_ACK: 02 7787 05 aa555a0000240409 |
| 0:04:01.113713 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:04:01.113713 | LOG | Previous uplink Frame type (FType): 011 |
| 0:04:05.669503 | LOG | PUSH\_ACK: 02 1242 01 |
| 0:04:05.669503 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1242, Identifier = 00, JSON = {'rxpk': [{'tmst': 1812505519, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6gMgHgFspPFCmT'}]} |
| 0:04:05.669503 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0132, FOpts: ), FPort: e0, FRMPayload: 00d9, MIC: 4f142993) |
| 0:04:05.669503 | LOG | Server <-------------------- DUT |
| 0:04:05.669503 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a46d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 516f00d1) |
| 0:04:05.669503 | LOG | PULL\_RESP: Protocol version = 02, Token = aaa2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1813505519, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AbaTga4gBA/lpQcMt5uwUEb/OCSui/VL/S5cyOKcNl6V1UscRX5/+jREfuqAUMYtwluVetX/udspxn19/RoOjC4By9aYfgTbrn3QZJkPQxIzx/2o9LBpbRU/0Adc9/fKAlr6p1nNcNjAnWkDHrOo4TL56DmSMeGe77qBD/xLz2NjcizegkC0qY0SShxpb91ZmFNsf9/WDrJhbD1We+KKTb2dkIpvXtVcZcM0ukSB6Qkn0ewQ6NO+vxsjSOaw9JKjoIhjQvMjcOqwErXqV6hZlNIoEwc5G4DxbwbnMnQNl/y6Q8dZgNe7BoKaKs9/FZjN8zYlApURRbwDR'}} |
| 0:04:05.669503 | LOG | Server --------------------> DUT |
| 0:04:05.669503 | LOG | TX\_ACK: 02 aaa2 05 aa555a0000240409 |
| 0:04:06.305368 | LOG | PULL\_DATA: 02 86da 02 aa555a0000240409 |
| 0:04:06.305368 | LOG | PULL\_ACK: 02 86da 04 |
| 0:04:10.515894 | LOG | PUSH\_ACK: 02 1243 01 |
| 0:04:10.517913 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1243, Identifier = 00, JSON = {'rxpk': [{'tmst': 1817347846, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6gMwHgo9G+Z+27'}]} |
| 0:04:10.517913 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0133, FOpts: ), FPort: e0, FRMPayload: 00da, MIC: be67edbb) |
| 0:04:10.517913 | LOG | Server <-------------------- DUT |
| 0:04:10.517913 | LOG | Number of downlinks: 5 |
| 0:04:10.525953 | LOG | Number of errors: 0 |
| 0:04:10.525953 | LOG | Packet Error Rate (%): 0.0 |
| 0:04:10.525953 | LOG | Packet error rate SF9BW125 process tested successfully |
| 0:04:10.525953 | LOG | Send LinkADRReq process starts |
| 0:04:15.368966 | LOG | PUSH\_ACK: 02 1244 01 |
| 0:04:15.371056 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1244, Identifier = 00, JSON = {'rxpk': [{'tmst': 1822190150, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -39, 'size': 15, 'data': 'QO++rd6ANAHgZa6ADwmN'}]} |
| 0:04:15.371056 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0134, FOpts: ), FPort: e0, FRMPayload: 00da, MIC: 800f098d) |
| 0:04:15.371056 | LOG | Server <-------------------- DUT |
| 0:04:15.371056 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a46e, FOpts: ), FPort: 00, FRMPayload: 0315ff0001), MIC: 4fd9bab4) |
| 0:04:15.371056 | LOG | PULL\_RESP: Protocol version = 02, Token = 5e8c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1823190150, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AbqQAphBGPIZP2bq0'}} |
| 0:04:15.371056 | LOG | Server --------------------> DUT |
| 0:04:15.371056 | LOG | TX\_ACK: 02 5e8c 05 aa555a0000240409 |
| 0:04:16.414923 | LOG | PULL\_DATA: 02 5728 02 aa555a0000240409 |
| 0:04:16.414923 | LOG | PULL\_ACK: 02 5728 04 |
| 0:04:20.215451 | LOG | PUSH\_ACK: 02 1245 01 |
| 0:04:20.217748 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1245, Identifier = 00, JSON = {'rxpk': [{'tmst': 1827032863, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -45, 'size': 17, 'data': 'QO++rd6CNQEDB+BOljQ10mk='}]} |
| 0:04:20.217748 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0135, FOpts: 0307), FPort: e0, FRMPayload: 00db, MIC: 3435d269) |
| 0:04:20.217748 | LOG | Server <-------------------- DUT |
| 0:04:20.217748 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:04:20.217748 | LOG | Command Answer: 0307 |
| 0:04:20.217748 | LOG | MAC command communication completed |
| 0:04:20.225800 | LOG | Send RXParamSetupReq process starts |
| 0:04:25.116211 | LOG | PUSH\_ACK: 02 1246 01 |
| 0:04:25.116211 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1246, Identifier = 00, JSON = {'rxpk': [{'tmst': 1831874927, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6ANgHgtJ7kVV0A'}]} |
| 0:04:25.116211 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0136, FOpts: ), FPort: e0, FRMPayload: 00db, MIC: e4555d00) |
| 0:04:25.116211 | LOG | Server <-------------------- DUT |
| 0:04:25.116211 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a46f, FOpts: ), FPort: 00, FRMPayload: 051868e28c), MIC: 65162818) |
| 0:04:25.116211 | LOG | PULL\_RESP: Protocol version = 02, Token = cf23, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1832874927, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4Ab6QAbrosTnJlFigY'}} |
| 0:04:25.116211 | LOG | Server --------------------> DUT |
| 0:04:25.116211 | LOG | TX\_ACK: 02 cf23 05 aa555a0000240409 |
| 0:04:25.396119 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:04:25.396119 | LOG | Previous uplink Frame type (FType): 101 |
| 0:04:26.577841 | LOG | PULL\_DATA: 02 c9d8 02 aa555a0000240409 |
| 0:04:26.577841 | LOG | PULL\_ACK: 02 c9d8 04 |
| 0:04:29.917641 | LOG | PUSH\_ACK: 02 1248 01 |
| 0:04:29.917641 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1248, Identifier = 00, JSON = {'rxpk': [{'tmst': 1836717791, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -44, 'size': 17, 'data': 'QO++rd6CNwEFB+BD+4iSs0c='}]} |
| 0:04:29.917641 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0137, FOpts: 0507), FPort: e0, FRMPayload: 00dc, MIC: 8892b347) |
| 0:04:29.917641 | LOG | Server <-------------------- DUT |
| 0:04:29.917641 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:04:29.917641 | LOG | Command Answer: 0507 |
| 0:04:29.927641 | LOG | Send ACK to DUT process starts |
| 0:04:29.927641 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a470, FOpts: ), FPort: , FRMPayload: ), MIC: 1ffd217d) |
| 0:04:29.927641 | LOG | PULL\_RESP: Protocol version = 02, Token = 9b48, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1837717791, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AcKQf/SF9'}} |
| 0:04:29.927641 | LOG | Server --------------------> DUT |
| 0:04:29.927641 | LOG | Send ACK to DUT tested successfully |
| 0:04:29.927641 | LOG | MAC command communication completed |
| 0:04:29.937677 | LOG | Packet error rate (Confirmed) SF9BW125 process starts |
| 0:04:34.715665 | LOG | PUSH\_ACK: 02 124a 01 |
| 0:04:34.715665 | LOG | PUSH\_DATA: Protocol version = 02, Token = 124a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1841559912, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AOAHgqCQixqex'}]} |
| 0:04:34.715665 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0138, FOpts: ), FPort: e0, FRMPayload: 00dd, MIC: 22c6a7b1) |
| 0:04:34.715665 | LOG | Server <-------------------- DUT |
| 0:04:34.715665 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a471, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 08865ba6) |
| 0:04:34.715665 | LOG | PULL\_RESP: Protocol version = 02, Token = c04b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1842559912, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AcaTgqJJpeEJXueYHTB5+KxYXFqNo/kHFREkTCdl6f/Ah2yZg1Nz8p1W/AbSbPTQq/NpucGoygpluOJPQR6X3ISn7i7IlR0Baylp9xUarGFrRYIYOvEfZfYcLDqPSWeA09RUuHl89K+KykOYoY3JpUjklz1K71UckgsibK65tlTNZxwO8dgXhiPyhTWdbfE3T15f1BctviqksfNxhoDOvSKVx6xG2VH2ELccNbtOmxWvm6T8XeflMFsRep7Qh8m2J326wladOk3CePZ7U8CJUcq4S4TsmYvueFBhLnsJT/7vb3cx/UGz8bjjkzobRx4TfjEEZCQcIhlum'}} |
| 0:04:34.715665 | LOG | Server --------------------> DUT |
| 0:04:34.715665 | LOG | TX\_ACK: 02 c04b 05 aa555a0000240409 |
| 0:04:36.795459 | LOG | PULL\_DATA: 02 47d3 02 aa555a0000240409 |
| 0:04:36.795459 | LOG | PULL\_ACK: 02 47d3 04 |
| 0:04:39.598331 | LOG | PUSH\_ACK: 02 124b 01 |
| 0:04:39.600359 | LOG | PUSH\_DATA: Protocol version = 02, Token = 124b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1846442760, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 12.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6gOQHgTZJtITDf'}]} |
| 0:04:39.600359 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0139, FOpts: ), FPort: e0, FRMPayload: 00de, MIC: 6d2130df) |
| 0:04:39.600359 | LOG | Server <-------------------- DUT |
| 0:04:39.600359 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a472, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 90039d18) |
| 0:04:39.600359 | LOG | PULL\_RESP: Protocol version = 02, Token = eb19, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1847442760, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AcqTgr3Tq3Sid2gL5fu4e5xJq8p3XfnCpyAvBQtyjHh4Zm6wp0AQEOlml7gOIcPW3E5WDprTi7mI9ExvnXWyHyVE8t9327OrPd3XSOS/o26e4R+CK9q1GjyXDez48kWWrCpzJCqJiiLUd7Ze4vCVSnVSe/fLh1LgJ0dqUwDSfDImXc3Fbgmp8YEP0deotbp8FLhjyX3tKSACPmGl19OVJJjrNsR+nUqvRNeLm2A05gsynqdPrxIxWUwguSbJoFtl70ezI/Kr021a/EMZWXDgmigUu71o+yPPaQdq2OYbtyEeSpGa91IjRuQObwPcHWvuKmyHXzFSQA50Y'}} |
| 0:04:39.600359 | LOG | Server --------------------> DUT |
| 0:04:39.600359 | LOG | TX\_ACK: 02 eb19 05 aa555a0000240409 |
| 0:04:44.468840 | LOG | PUSH\_ACK: 02 124c 01 |
| 0:04:44.468840 | LOG | PUSH\_DATA: Protocol version = 02, Token = 124c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1851285112, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6gOgHgDLe3aeLK'}]} |
| 0:04:44.468840 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 013a, FOpts: ), FPort: e0, FRMPayload: 00df, MIC: b769e2ca) |
| 0:04:44.468840 | LOG | Server <-------------------- DUT |
| 0:04:44.468840 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a473, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 22c72456) |
| 0:04:44.468840 | LOG | PULL\_RESP: Protocol version = 02, Token = fe0c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1852285112, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4Ac6TgIq4ZfS/kfFiKMxj6/v6if0t9QNdeq9hhwN3KqAqjmKmtG1RAoJJckkdICDEHS+H/7DX/bzOATbJBF0tVp7+6f3lw/bh7wsxFxI3luXRWJZym2KBiZSd34uPTuRTsHpz6/UIunCvmqmTWP7VWLEaGBLJ4yN46UVy4EOzvfRTdKCAYWIoifHFUES0qnHuNDyvMnkYw9fjRkClegorTX9G8gX29s7KEymUNcVuMZ63gHXWaiY2xpvdQegxlnLSqdAHfkNuMGDJbMpEvpbrU+n8EoWelZHMkT4VsbHWAIi8Ux04gL/0Ic3EfYkCmxXQRhpk/9ZQixyRW'}} |
| 0:04:44.468840 | LOG | Server --------------------> DUT |
| 0:04:44.468840 | LOG | TX\_ACK: 02 fe0c 05 aa555a0000240409 |
| 0:04:46.939760 | LOG | PULL\_DATA: 02 993c 02 aa555a0000240409 |
| 0:04:46.939760 | LOG | PULL\_ACK: 02 993c 04 |
| 0:04:49.283823 | LOG | PUSH\_ACK: 02 124d 01 |
| 0:04:49.285908 | LOG | PUSH\_DATA: Protocol version = 02, Token = 124d, Identifier = 00, JSON = {'rxpk': [{'tmst': 1856127566, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -41, 'size': 15, 'data': 'QO++rd6gOwHgRmFiyaDq'}]} |
| 0:04:49.285908 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 013b, FOpts: ), FPort: e0, FRMPayload: 00e0, MIC: 62c9a0ea) |
| 0:04:49.285908 | LOG | Server <-------------------- DUT |
| 0:04:49.285908 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a474, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 59f89175) |
| 0:04:49.285908 | LOG | PULL\_RESP: Protocol version = 02, Token = 5e59, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1857127566, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AdKTg2BifPHR99Zc5eFhB/1SKlj4MOVnxSV5zPDw/pc+PJCk35seKMzdvcnRaoN7AiMs1w3qtcd8m3GuDj+7SHOhJh+p/zF5DMc5vrGSYKGrLvGistD2gG3SaESvPo9lgc6YRkP+IFm4hbPZGXjZZzhKeBxyTXZB5lkanIoVwLwpcmGSED3buJrQpLNgTFcVf7q6daRCt4lqZmagDFfiXkDvt4BCbuPJ+rrkEiwx+Au7CkACH9oW5OlGfSX1t3bI49Wwc0ppRA+BuR9aHdPNTf4/b4UD0rai/JqabGyGGb9i4acwPaMF9vMQHE2c5uyUeXNAX5KNZ+JF1'}} |
| 0:04:49.285908 | LOG | Server --------------------> DUT |
| 0:04:49.285908 | LOG | TX\_ACK: 02 5e59 05 aa555a0000240409 |
| 0:04:54.193659 | LOG | PUSH\_ACK: 02 124e 01 |
| 0:04:54.195713 | LOG | PUSH\_DATA: Protocol version = 02, Token = 124e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1860969982, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6gPAHgazkcaNj1'}]} |
| 0:04:54.195713 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 013c, FOpts: ), FPort: e0, FRMPayload: 00e1, MIC: 1c68d8f5) |
| 0:04:54.195713 | LOG | Server <-------------------- DUT |
| 0:04:54.195713 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a475, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3964f63e) |
| 0:04:54.195713 | LOG | PULL\_RESP: Protocol version = 02, Token = 3420, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1861969982, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AdaTgdjC/q4Tc3bZpkj8rOhvlgs0iIsDvSBu0uS+Iciy8ZVVMRq7wp/WZAGWXifHtJYb5VrfoATr6ZVEHfFnJlMWii60jn2BqzqKmXWE9J4Rh7zzyj8YlJuxsStu093G+7afnWxdzON623DFnxdAMiuvYdcC3GCHxD3W7y0lqXOm9q5Byp9hotz2Ka19wTvR78/BgubT5fiUzcDHUa/LizA/WDgkQPMLpy6vakBaKjt9yb4qPSmYJjK4qkWd7cI7ItP0y+WEgZmg6Wz8rcF0pZFKw7OEkxcKTP5uZ9zbUyHTV+/YUWer4IPXq3g81mwFSwSuw9R05ZPY+'}} |
| 0:04:54.195713 | LOG | Server --------------------> DUT |
| 0:04:54.195713 | LOG | TX\_ACK: 02 3420 05 aa555a0000240409 |
| 0:04:57.098661 | LOG | PULL\_DATA: 02 e2f3 02 aa555a0000240409 |
| 0:04:57.098661 | LOG | PULL\_ACK: 02 e2f3 04 |
| 0:04:59.038733 | LOG | PUSH\_ACK: 02 124f 01 |
| 0:04:59.038733 | LOG | PUSH\_DATA: Protocol version = 02, Token = 124f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1865812343, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6gPQHgfp8xqAxo'}]} |
| 0:04:59.038733 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 013d, FOpts: ), FPort: e0, FRMPayload: 00e2, MIC: 31a80c68) |
| 0:04:59.038733 | LOG | Server <-------------------- DUT |
| 0:04:59.038733 | LOG | Number of downlinks: 5 |
| 0:04:59.048733 | LOG | Number of errors: 0 |
| 0:04:59.048733 | LOG | Packet Error Rate (%): 0.0 |
| 0:04:59.048733 | LOG | Packet error rate SF9BW125 process tested successfully |
| 0:04:59.048733 | LOG | Send LinkADRReq process starts |
| 0:05:03.812671 | LOG | PUSH\_ACK: 02 1251 01 |
| 0:05:03.814734 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1251, Identifier = 00, JSON = {'rxpk': [{'tmst': 1870654711, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -39, 'size': 15, 'data': 'QO++rd6APgHgdxr8wkMw'}]} |
| 0:05:03.814734 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 013e, FOpts: ), FPort: e0, FRMPayload: 00e2, MIC: fcc24330) |
| 0:05:03.814734 | LOG | Server <-------------------- DUT |
| 0:05:03.814734 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a476, FOpts: ), FPort: 00, FRMPayload: 0315ff0001), MIC: dec387b2) |
| 0:05:03.814734 | LOG | PULL\_RESP: Protocol version = 02, Token = bd92, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1871654711, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AdqQA5TBlEBvew4ey'}} |
| 0:05:03.814734 | LOG | Server --------------------> DUT |
| 0:05:03.814734 | LOG | TX\_ACK: 02 bd92 05 aa555a0000240409 |
| 0:05:07.309840 | LOG | PULL\_DATA: 02 a8ff 02 aa555a0000240409 |
| 0:05:07.309840 | LOG | PULL\_ACK: 02 a8ff 04 |
| 0:05:08.693761 | LOG | PUSH\_ACK: 02 1252 01 |
| 0:05:08.693761 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1252, Identifier = 00, JSON = {'rxpk': [{'tmst': 1875497431, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -46, 'size': 17, 'data': 'QO++rd6CPwEDB+A7AunIhC0='}]} |
| 0:05:08.693761 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 013f, FOpts: 0307), FPort: e0, FRMPayload: 00e3, MIC: e9c8842d) |
| 0:05:08.693761 | LOG | Server <-------------------- DUT |
| 0:05:08.693761 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:05:08.693761 | LOG | Command Answer: 0307 |
| 0:05:08.701850 | LOG | MAC command communication completed |
| 0:05:08.701850 | LOG | Send RXParamSetupReq process starts |
| 0:05:13.538021 | LOG | PUSH\_ACK: 02 1253 01 |
| 0:05:13.538021 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1253, Identifier = 00, JSON = {'rxpk': [{'tmst': 1880339447, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AQAHgqHsnkIQF'}]} |
| 0:05:13.538021 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0140, FOpts: ), FPort: e0, FRMPayload: 00e3, MIC: 27908405) |
| 0:05:13.538021 | LOG | Server <-------------------- DUT |
| 0:05:13.538021 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a477, FOpts: ), FPort: 00, FRMPayload: 052868e28c), MIC: 98432e9d) |
| 0:05:13.538021 | LOG | PULL\_RESP: Protocol version = 02, Token = 7b72, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1881339447, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4Ad6QAmfVOqK2YQy6d'}} |
| 0:05:13.538021 | LOG | Server --------------------> DUT |
| 0:05:13.538021 | LOG | TX\_ACK: 02 7b72 05 aa555a0000240409 |
| 0:05:17.432289 | LOG | PULL\_DATA: 02 0679 02 aa555a0000240409 |
| 0:05:17.432289 | LOG | PULL\_ACK: 02 0679 04 |
| 0:05:18.382689 | LOG | PUSH\_ACK: 02 1254 01 |
| 0:05:18.382689 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1254, Identifier = 00, JSON = {'rxpk': [{'tmst': 1885222848, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -40, 'size': 17, 'data': 'QO++rd6CQQEFB+DQ9RmLYgg='}]} |
| 0:05:18.382689 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0141, FOpts: 0507), FPort: e0, FRMPayload: 00e4, MIC: 198b6208) |
| 0:05:18.382689 | LOG | Server <-------------------- DUT |
| 0:05:18.382689 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:05:18.382689 | LOG | Command Answer: 0507 |
| 0:05:18.392660 | LOG | Send ACK to DUT process starts |
| 0:05:18.392660 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a478, FOpts: ), FPort: , FRMPayload: ), MIC: b7e002db) |
| 0:05:18.392660 | LOG | PULL\_RESP: Protocol version = 02, Token = 10c1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1886222848, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AeKS34ALb'}} |
| 0:05:18.392660 | LOG | Server --------------------> DUT |
| 0:05:18.392660 | LOG | Send ACK to DUT tested successfully |
| 0:05:18.402685 | LOG | MAC command communication completed |
| 0:05:18.402685 | LOG | Packet error rate (Confirmed) SF9BW125 process starts |
| 0:05:23.286009 | LOG | PUSH\_ACK: 02 1255 01 |
| 0:05:23.288041 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1255, Identifier = 00, JSON = {'rxpk': [{'tmst': 1890064898, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AQgHgzNr8v1qp'}]} |
| 0:05:23.288041 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0142, FOpts: ), FPort: e0, FRMPayload: 00e5, MIC: fcbf5aa9) |
| 0:05:23.288041 | LOG | Server <-------------------- DUT |
| 0:05:23.288041 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a479, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 322f303f) |
| 0:05:23.288041 | LOG | PULL\_RESP: Protocol version = 02, Token = ee2a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1891064898, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4AeaTgBB0SW9wISndzZWOlva/LE3M2Qzs1Lg469c+4t0Jv3IiH1uXHC0e+aN9mJS7MlhHSDFvCXVRlJU/tjwE0os9frikWiNFtJMBthRvwFs8YL4BmUm5taq/xF4LnlArOsLv+k9taq+6SJFopKop+3bQo/HhaGQVmubz8cxr0GKUVEViaMi8wPw=='}} |
| 0:05:23.288041 | LOG | Server --------------------> DUT |
| 0:05:23.288041 | LOG | TX\_ACK: 02 ee2a 05 aa555a0000240409 |
| 0:05:24.026049 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:05:24.026049 | LOG | Previous uplink Frame type (FType): 011 |
| 0:05:27.599263 | LOG | PULL\_DATA: 02 75b5 02 aa555a0000240409 |
| 0:05:27.599263 | LOG | PULL\_ACK: 02 75b5 04 |
| 0:05:28.078021 | LOG | PUSH\_ACK: 02 1257 01 |
| 0:05:28.080074 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1257, Identifier = 00, JSON = {'rxpk': [{'tmst': 1894907281, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6gQwHgcy7qDElk'}]} |
| 0:05:28.080074 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0143, FOpts: ), FPort: e0, FRMPayload: 00e6, MIC: ea0c4964) |
| 0:05:28.080074 | LOG | Server <-------------------- DUT |
| 0:05:28.080074 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a47a, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0549beac) |
| 0:05:28.080074 | LOG | PULL\_RESP: Protocol version = 02, Token = b07f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1895907281, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4AeqTgqpZeodhpXo1qHZJxYHmVhEzUh/F5vsKe+k2PwUUhLSvvVawqGKK+OXFi9UnzMHU4b5ycivqnoQ0QI0WsOyB+fW+jcRCBJH6vINA0JQbCPI68lc26ji7OxQ3+zcyinF0z7m5wvMD3A/BXR+rW0ODwaBNaBYE1yQ9LUfYN2Wa2/zjFBUm+rA=='}} |
| 0:05:28.080074 | LOG | Server --------------------> DUT |
| 0:05:28.080074 | LOG | TX\_ACK: 02 b07f 05 aa555a0000240409 |
| 0:05:32.968070 | LOG | PUSH\_ACK: 02 1259 01 |
| 0:05:32.968070 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1259, Identifier = 00, JSON = {'rxpk': [{'tmst': 1899749857, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6gRAHgChIRciUm'}]} |
| 0:05:32.968070 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0144, FOpts: ), FPort: e0, FRMPayload: 00e7, MIC: 11722526) |
| 0:05:32.968070 | LOG | Server <-------------------- DUT |
| 0:05:32.968070 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a47b, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9b43a246) |
| 0:05:32.968070 | LOG | PULL\_RESP: Protocol version = 02, Token = 7db5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1900749857, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4Ae6TghXCdvD73xT+vln+w6tMH9LBPveEvn2WiPkNnk1ZtXT7MmFyYwRpR70uPmprkASGARqg3mjuJssneUweUlJu4j09JBhvu4ULEC/9qqLKlJdM43zAYzn1ySE/HNt6sf24//BV2ahnECCN2LcqSWIC9h2MjGWWFcGhBcT5q4u1Lx1Ysm0OiRg=='}} |
| 0:05:32.968070 | LOG | Server --------------------> DUT |
| 0:05:32.968070 | LOG | TX\_ACK: 02 7db5 05 aa555a0000240409 |
| 0:05:37.716196 | LOG | PULL\_DATA: 02 cdb1 02 aa555a0000240409 |
| 0:05:37.716196 | LOG | PULL\_ACK: 02 cdb1 04 |
| 0:05:37.796195 | LOG | PUSH\_ACK: 02 125a 01 |
| 0:05:37.796195 | LOG | PUSH\_DATA: Protocol version = 02, Token = 125a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1904592280, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 12.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6gRQHgzUeYSFT6'}]} |
| 0:05:37.796195 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0145, FOpts: ), FPort: e0, FRMPayload: 00e8, MIC: 984854fa) |
| 0:05:37.796195 | LOG | Server <-------------------- DUT |
| 0:05:37.796195 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a47c, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4b1b220e) |
| 0:05:37.796195 | LOG | PULL\_RESP: Protocol version = 02, Token = 8a85, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1905592280, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4AfKTg7nphq+t4YzrC2o+q/ZyyjAP+ay1q61u6dkHaQcSX/hbSJdSd75SRYkjTuPf1hMqPFHe4RyfOy+EhZkspDXTkHL1T3q60Mm1Muew+y6y9juE16LdWMNswkYGEXAkUnBQh+vBiiZ2TdKat+xeqP+Qb2+qidAX5ZFyyN9eePdjMWNpjSxsiDg=='}} |
| 0:05:37.796195 | LOG | Server --------------------> DUT |
| 0:05:37.796195 | LOG | TX\_ACK: 02 8a85 05 aa555a0000240409 |
| 0:05:42.640832 | LOG | PUSH\_ACK: 02 125b 01 |
| 0:05:42.642876 | LOG | PUSH\_DATA: Protocol version = 02, Token = 125b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1909434649, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6gRgHgKgjqLEIW'}]} |
| 0:05:42.642876 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0146, FOpts: ), FPort: e0, FRMPayload: 00e9, MIC: ea2c4216) |
| 0:05:42.642876 | LOG | Server <-------------------- DUT |
| 0:05:42.642876 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a47d, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 77995959) |
| 0:05:42.642876 | LOG | PULL\_RESP: Protocol version = 02, Token = 296e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1910434649, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4AfaTgwY4V2vYXoPF5EzEcYLQmwvIeAxrXeaG8897BKOt8xuWJEQbFgBcre+PMM6iteBy+2lH+AU79yNKtZZMec8jGMdQHP365iekMMbb0Nd3QaPH0YdsWKg/3riqHTcawrTLDvABt9wA4zOURG3yAuOiYk6ZcT6zy0OLZiitH3IVTy99bd5lZWQ=='}} |
| 0:05:42.642876 | LOG | Server --------------------> DUT |
| 0:05:42.642876 | LOG | TX\_ACK: 02 296e 05 aa555a0000240409 |
| 0:05:47.482842 | LOG | PUSH\_ACK: 02 125c 01 |
| 0:05:47.482842 | LOG | PUSH\_DATA: Protocol version = 02, Token = 125c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1914277032, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -40, 'size': 15, 'data': 'QO++rd6gRwHgLdXKvDrH'}]} |
| 0:05:47.482842 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0147, FOpts: ), FPort: e0, FRMPayload: 00ea, MIC: cabc3ac7) |
| 0:05:47.482842 | LOG | Server <-------------------- DUT |
| 0:05:47.490883 | LOG | Number of downlinks: 5 |
| 0:05:47.490883 | LOG | Number of errors: 0 |
| 0:05:47.490883 | LOG | Packet Error Rate (%): 0.0 |
| 0:05:47.490883 | LOG | Packet error rate SF9BW125 process tested successfully |
| 0:05:47.490883 | LOG | Send LinkADRReq process starts |
| 0:05:47.795192 | LOG | PULL\_DATA: 02 711c 02 aa555a0000240409 |
| 0:05:47.795192 | LOG | PULL\_ACK: 02 711c 04 |
| 0:05:52.286499 | LOG | PUSH\_ACK: 02 125d 01 |
| 0:05:52.286499 | LOG | PUSH\_DATA: Protocol version = 02, Token = 125d, Identifier = 00, JSON = {'rxpk': [{'tmst': 1919119432, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 13.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ASAHgvcCGuvH8'}]} |
| 0:05:52.286499 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0148, FOpts: ), FPort: e0, FRMPayload: 00ea, MIC: 86baf1fc) |
| 0:05:52.286499 | LOG | Server <-------------------- DUT |
| 0:05:52.286499 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a47e, FOpts: ), FPort: 00, FRMPayload: 0315ff0001), MIC: 57b6e9d3) |
| 0:05:52.286499 | LOG | PULL\_RESP: Protocol version = 02, Token = b60a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1920119432, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AfqQAolDEUZVXtunT'}} |
| 0:05:52.294575 | LOG | Server --------------------> DUT |
| 0:05:52.296638 | LOG | TX\_ACK: 02 b60a 05 aa555a0000240409 |
| 0:05:57.161545 | LOG | PUSH\_ACK: 02 125e 01 |
| 0:05:57.161545 | LOG | PUSH\_DATA: Protocol version = 02, Token = 125e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1924002745, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -45, 'size': 17, 'data': 'QO++rd6CSQEDB+BAaexF6zM='}]} |
| 0:05:57.161545 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0149, FOpts: 0307), FPort: e0, FRMPayload: 00eb, MIC: ec45eb33) |
| 0:05:57.161545 | LOG | Server <-------------------- DUT |
| 0:05:57.161545 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:05:57.161545 | LOG | Command Answer: 0307 |
| 0:05:57.169816 | LOG | MAC command communication completed |
| 0:05:57.169816 | LOG | Send RXParamSetupReq process starts |
| 0:05:57.829774 | LOG | PULL\_DATA: 02 c772 02 aa555a0000240409 |
| 0:05:57.829774 | LOG | PULL\_ACK: 02 c772 04 |
| 0:06:02.030271 | LOG | PUSH\_ACK: 02 125f 01 |
| 0:06:02.030271 | LOG | PUSH\_DATA: Protocol version = 02, Token = 125f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1928844825, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ASgHgz13ONAVV'}], 'stat': {'time': '2021-08-03 20:02:27 GMT', 'rxnb': 6, 'rxok': 6, 'rxfw': 6, 'ackr': 85.7, 'dwnb': 4, 'txnb': 4}} |
| 0:06:02.030271 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 014a, FOpts: ), FPort: e0, FRMPayload: 00eb, MIC: ce340555) |
| 0:06:02.030271 | LOG | Server <-------------------- DUT |
| 0:06:02.030271 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a47f, FOpts: ), FPort: 00, FRMPayload: 053868e28c), MIC: 97527266) |
| 0:06:02.030271 | LOG | PULL\_RESP: Protocol version = 02, Token = 46dc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1929844825, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4Af6QAUuHWAt2XUnJm'}} |
| 0:06:02.030271 | LOG | Server --------------------> DUT |
| 0:06:02.030271 | LOG | TX\_ACK: 02 46dc 05 aa555a0000240409 |
| 0:06:06.901887 | LOG | PUSH\_ACK: 02 1260 01 |
| 0:06:06.903931 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1260, Identifier = 00, JSON = {'rxpk': [{'tmst': 1933687761, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -40, 'size': 17, 'data': 'QO++rd6CSwEFB+An6i0kX8g='}]} |
| 0:06:06.903931 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 014b, FOpts: 0507), FPort: e0, FRMPayload: 00ec, MIC: 2d245fc8) |
| 0:06:06.903931 | LOG | Server <-------------------- DUT |
| 0:06:06.903931 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:06:06.903931 | LOG | Command Answer: 0507 |
| 0:06:06.911977 | LOG | Send ACK to DUT process starts |
| 0:06:06.911977 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a480, FOpts: ), FPort: , FRMPayload: ), MIC: 32c7c5f3) |
| 0:06:06.911977 | LOG | PULL\_RESP: Protocol version = 02, Token = 8f83, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1934687761, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AgKQyx8Xz'}} |
| 0:06:06.911977 | LOG | Server --------------------> DUT |
| 0:06:06.911977 | LOG | Send ACK to DUT tested successfully |
| 0:06:06.911977 | LOG | MAC command communication completed |
| 0:06:06.921975 | LOG | Packet error rate (Confirmed) SF9BW125 process starts |
| 0:06:07.942427 | LOG | PULL\_DATA: 02 61f5 02 aa555a0000240409 |
| 0:06:07.942427 | LOG | PULL\_ACK: 02 61f5 04 |
| 0:06:11.757135 | LOG | PUSH\_ACK: 02 1261 01 |
| 0:06:11.759265 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1261, Identifier = 00, JSON = {'rxpk': [{'tmst': 1938529776, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 12.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ATAHga8gqzFzd'}]} |
| 0:06:11.759265 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 014c, FOpts: ), FPort: e0, FRMPayload: 00ed, MIC: 2acc5cdd) |
| 0:06:11.759265 | LOG | Server <-------------------- DUT |
| 0:06:11.759265 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a481, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b34707a6) |
| 0:06:11.759265 | LOG | PULL\_RESP: Protocol version = 02, Token = 31ad, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1939529776, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4AgaTga8rNBU48IrLke1GkQ51o3auJYeYtt+23Y1JrHqbMRyNj6cLdHud4hXDSjXS+dQ/71rVX4wazRwem'}} |
| 0:06:11.759265 | LOG | Server --------------------> DUT |
| 0:06:11.759265 | LOG | TX\_ACK: 02 31ad 05 aa555a0000240409 |
| 0:06:16.552062 | LOG | PUSH\_ACK: 02 1262 01 |
| 0:06:16.554105 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1262, Identifier = 00, JSON = {'rxpk': [{'tmst': 1943372241, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6gTQHgUj6/Gzog'}]} |
| 0:06:16.554105 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 014d, FOpts: ), FPort: e0, FRMPayload: 00ee, MIC: bf1b3a20) |
| 0:06:16.554105 | LOG | Server <-------------------- DUT |
| 0:06:16.554105 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a482, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ba3044de) |
| 0:06:16.554105 | LOG | PULL\_RESP: Protocol version = 02, Token = 35c2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1944372241, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4AgqTgPZJKH08msP1fmbXiv6Jl+Qn7B6WCnU9q61encGVCgmc7iGJbguG4w/r52q5jRTkeoLE9Fe66METe'}} |
| 0:06:16.554105 | LOG | Server --------------------> DUT |
| 0:06:16.554105 | LOG | TX\_ACK: 02 35c2 05 aa555a0000240409 |
| 0:06:18.000726 | LOG | PULL\_DATA: 02 8698 02 aa555a0000240409 |
| 0:06:18.000726 | LOG | PULL\_ACK: 02 8698 04 |
| 0:06:21.414190 | LOG | PUSH\_ACK: 02 1263 01 |
| 0:06:21.416242 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1263, Identifier = 00, JSON = {'rxpk': [{'tmst': 1948214649, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6gTgHgDZiW/uKq'}]} |
| 0:06:21.416242 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 014e, FOpts: ), FPort: e0, FRMPayload: 00ef, MIC: 96fee2aa) |
| 0:06:21.416242 | LOG | Server <-------------------- DUT |
| 0:06:21.416242 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a483, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 6ecd25ce) |
| 0:06:21.416242 | LOG | PULL\_RESP: Protocol version = 02, Token = 3b41, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1949214649, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4Ag6Tgk+LG6/UoQOD2o/BoA9E9iSy+XFqsztFZ7ttYmGPz8YWxpnbMaZ4z1uyQedHhxg1fgcczWnluzSXO'}} |
| 0:06:21.416242 | LOG | Server --------------------> DUT |
| 0:06:21.416242 | LOG | TX\_ACK: 02 3b41 05 aa555a0000240409 |
| 0:06:26.276996 | LOG | PUSH\_ACK: 02 1264 01 |
| 0:06:26.279068 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1264, Identifier = 00, JSON = {'rxpk': [{'tmst': 1953057030, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 12.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6gTwHgkVqtJ6Ln'}]} |
| 0:06:26.279068 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 014f, FOpts: ), FPort: e0, FRMPayload: 00f0, MIC: ad27a2e7) |
| 0:06:26.279068 | LOG | Server <-------------------- DUT |
| 0:06:26.279068 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a484, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9dfcaa38) |
| 0:06:26.279068 | LOG | PULL\_RESP: Protocol version = 02, Token = 0f0f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1954057030, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4AhKTgIiBvg0l1ei8NGtwezEmmummSWqVexgD9fZR5A18nAoSTN7ejfLcTP6s3T36NXSIfFYMGhped/Ko4'}} |
| 0:06:26.279068 | LOG | Server --------------------> DUT |
| 0:06:26.279068 | LOG | TX\_ACK: 02 0f0f 05 aa555a0000240409 |
| 0:06:28.144277 | LOG | PULL\_DATA: 02 0312 02 aa555a0000240409 |
| 0:06:28.144277 | LOG | PULL\_ACK: 02 0312 04 |
| 0:06:31.136282 | LOG | PUSH\_ACK: 02 1265 01 |
| 0:06:31.136282 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1265, Identifier = 00, JSON = {'rxpk': [{'tmst': 1957899392, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -39, 'size': 15, 'data': 'QO++rd6gUAHgmCOGPdhz'}]} |
| 0:06:31.136282 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0150, FOpts: ), FPort: e0, FRMPayload: 00f1, MIC: 863dd873) |
| 0:06:31.136282 | LOG | Server <-------------------- DUT |
| 0:06:31.136282 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a485, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ec09c045) |
| 0:06:31.136282 | LOG | PULL\_RESP: Protocol version = 02, Token = beb7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1958899392, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'oO++rd4AhaTgkqB0+10Q4bLeweFV2A0lTKRSTVamWRVFh/8Z5KSjdggmDnVCL61d7Dsl3sK7FHLwEx7ZKIzsCcBF'}} |
| 0:06:31.136282 | LOG | Server --------------------> DUT |
| 0:06:31.136282 | LOG | TX\_ACK: 02 beb7 05 aa555a0000240409 |
| 0:06:36.006485 | LOG | PUSH\_ACK: 02 1267 01 |
| 0:06:36.008507 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1267, Identifier = 00, JSON = {'rxpk': [{'tmst': 1962782359, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -39, 'size': 15, 'data': 'QO++rd6gUQHg+zCEKuf5'}]} |
| 0:06:36.008507 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0151, FOpts: ), FPort: e0, FRMPayload: 00f2, MIC: 842ae7f9) |
| 0:06:36.008507 | LOG | Server <-------------------- DUT |
| 0:06:36.008507 | LOG | Number of downlinks: 5 |
| 0:06:36.016558 | LOG | Number of errors: 0 |
| 0:06:36.016558 | LOG | Packet Error Rate (%): 0.0 |
| 0:06:36.016558 | LOG | Packet error rate SF9BW125 process tested successfully |
| 0:06:36.016558 | LOG | End Test Step: Test packet error rate for SF9BW125 using RX1 window |
| 0:06:36.016558 | LOG | Partial Verdict: PASS |
| 0:06:36.016558 | LOG | ========================================================= |
| 0:06:36.026520 | LOG | ========================================================= |
| 0:06:36.026520 | LOG | Start Test Step: Test packet error rate for SF8BW125 using RX1 window |
| 0:06:36.036520 | LOG | Send LinkADRReq process starts |
| 0:06:38.284112 | LOG | PULL\_DATA: 02 60b3 02 aa555a0000240409 |
| 0:06:38.284112 | LOG | PULL\_ACK: 02 60b3 04 |
| 0:06:40.804576 | LOG | PUSH\_ACK: 02 1268 01 |
| 0:06:40.804576 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1268, Identifier = 00, JSON = {'rxpk': [{'tmst': 1967624759, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AUgHgiyQ1SjO6'}]} |
| 0:06:40.804576 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0152, FOpts: ), FPort: e0, FRMPayload: 00f2, MIC: 354a33ba) |
| 0:06:40.804576 | LOG | Server <-------------------- DUT |
| 0:06:40.804576 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a486, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: e6a691e2) |
| 0:06:40.804576 | LOG | PULL\_RESP: Protocol version = 02, Token = 94d8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1968624759, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AhqQAz2JVeXzmppHi'}} |
| 0:06:40.804576 | LOG | Server --------------------> DUT |
| 0:06:40.804576 | LOG | TX\_ACK: 02 94d8 05 aa555a0000240409 |
| 0:06:45.636032 | LOG | PUSH\_ACK: 02 1269 01 |
| 0:06:45.636032 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1269, Identifier = 00, JSON = {'rxpk': [{'tmst': 1972395286, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -45, 'size': 17, 'data': 'QO++rd6CUwEDB+B8jVE4lhw='}]} |
| 0:06:45.636032 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0153, FOpts: 0307), FPort: e0, FRMPayload: 00f3, MIC: 5138961c) |
| 0:06:45.636032 | LOG | Server <-------------------- DUT |
| 0:06:45.636032 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:06:45.636032 | LOG | Command Answer: 0307 |
| 0:06:45.636032 | LOG | MAC command communication completed |
| 0:06:45.646042 | LOG | Send RXParamSetupReq process starts |
| 0:06:48.401230 | LOG | PULL\_DATA: 02 f4b1 02 aa555a0000240409 |
| 0:06:48.401230 | LOG | PULL\_ACK: 02 f4b1 04 |
| 0:06:50.432566 | LOG | PUSH\_ACK: 02 126a 01 |
| 0:06:50.432566 | LOG | PUSH\_DATA: Protocol version = 02, Token = 126a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1977237310, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AVAHgDBelHWWl'}]} |
| 0:06:50.432566 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0154, FOpts: ), FPort: e0, FRMPayload: 00f3, MIC: a51d65a5) |
| 0:06:50.432566 | LOG | Server <-------------------- DUT |
| 0:06:50.432566 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a487, FOpts: ), FPort: 00, FRMPayload: 050868e28c), MIC: 85b418c8) |
| 0:06:50.432566 | LOG | PULL\_RESP: Protocol version = 02, Token = b777, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1978237310, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4Ah6QAvMF1/k2FtBjI'}} |
| 0:06:50.432566 | LOG | Server --------------------> DUT |
| 0:06:50.432566 | LOG | TX\_ACK: 02 b777 05 aa555a0000240409 |
| 0:06:55.295589 | LOG | PUSH\_ACK: 02 126b 01 |
| 0:06:55.297641 | LOG | PUSH\_DATA: Protocol version = 02, Token = 126b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1982080223, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -47, 'size': 17, 'data': 'QO++rd6CVQEFB+AHz1YgJEU='}]} |
| 0:06:55.297641 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0155, FOpts: 0507), FPort: e0, FRMPayload: 00f4, MIC: 56202445) |
| 0:06:55.297641 | LOG | Server <-------------------- DUT |
| 0:06:55.297641 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:06:55.297641 | LOG | Command Answer: 0507 |
| 0:06:55.305693 | LOG | Send ACK to DUT process starts |
| 0:06:55.305693 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a488, FOpts: ), FPort: , FRMPayload: ), MIC: 2757e056) |
| 0:06:55.305693 | LOG | PULL\_RESP: Protocol version = 02, Token = a793, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1983080223, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AiKQnV+BW'}} |
| 0:06:55.305693 | LOG | Server --------------------> DUT |
| 0:06:55.305693 | LOG | Send ACK to DUT tested successfully |
| 0:06:55.305693 | LOG | MAC command communication completed |
| 0:06:55.315653 | LOG | Packet error rate (Confirmed) SF8BW125 process starts |
| 0:06:58.581739 | LOG | PULL\_DATA: 02 7001 02 aa555a0000240409 |
| 0:06:58.581739 | LOG | PULL\_ACK: 02 7001 04 |
| 0:07:00.111154 | LOG | PUSH\_ACK: 02 126c 01 |
| 0:07:00.111154 | LOG | PUSH\_DATA: Protocol version = 02, Token = 126c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1986922334, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AVgHgDxGeUxrN'}]} |
| 0:07:00.111154 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0156, FOpts: ), FPort: e0, FRMPayload: 00f5, MIC: 9e531acd) |
| 0:07:00.111154 | LOG | Server <-------------------- DUT |
| 0:07:00.111154 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a489, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 06d6832c) |
| 0:07:00.111154 | LOG | PULL\_RESP: Protocol version = 02, Token = 6c57, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1987922334, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AiaTgTcvq6TNo5Z/qHrid7Ok/2G0fTyI+XrGxYqpxc6jxeG9mX9knVUCkZsA+Xkg261LDhqipathNNL2xAdLv/ZuclNpMkYn/kEnLJaj3hCGOCoUrSiHMWbm6+Js6CqP7q/T2oZr7SeuSNM18YgRtrY2+86C6U6VmY0sjdQgCxRj2cTXX2dYMZ8xleiU/E+Y9lsTFLEK+RALMbARXnfsfMHpHGMti4uAFRbQMgz8+SnvD3oZD4GERRzKFEznG1rXRATgx3klndLtpPrF4ToKoflCz6PPMiziX5xns7qLfb6vUK0XTU5j/24vOGG0AlizBVRwRgeMG1oMs'}} |
| 0:07:00.111154 | LOG | Server --------------------> DUT |
| 0:07:00.111154 | LOG | TX\_ACK: 02 6c57 05 aa555a0000240409 |
| 0:07:04.961644 | LOG | PUSH\_ACK: 02 126e 01 |
| 0:07:04.961644 | LOG | PUSH\_DATA: Protocol version = 02, Token = 126e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1991764739, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6gVwHgEvpPe+nb'}]} |
| 0:07:04.961644 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0157, FOpts: ), FPort: e0, FRMPayload: 00f6, MIC: 4f7be9db) |
| 0:07:04.961644 | LOG | Server <-------------------- DUT |
| 0:07:04.961644 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a48a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ff3b09e0) |
| 0:07:04.961644 | LOG | PULL\_RESP: Protocol version = 02, Token = 60eb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1992764739, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AiqTgXh8m+Tqc1spphxBkL9gzUec4Hsg/rnkvB7M4wn8F/CENxMH4d5bOO7/HA6dMaKzXGNu+l2LrI4Pnl6srSIZxD6m8kwjbiApZKevhTiwyDgvqggq4cltt8KWTA+QoEno4etU7nqeeLJeYySEMnLLbOKsqsp6Jpzu3qjzKSk/vXP4Y6qHrZljrGtQRr0r9qB4luLPGpVuf2GeV7bFzmWGJjnvVXAxIt/vj2dXS3sZtpl+/x6h2o1qcPLym6cUud5c8q4mlp6DyN2HSeCXdotN7FtF30JZLXw7MeJDsHMk69IuaSbUYsDMwC9cwi6TYSU+NRw//Owng'}} |
| 0:07:04.961644 | LOG | Server --------------------> DUT |
| 0:07:04.961644 | LOG | TX\_ACK: 02 60eb 05 aa555a0000240409 |
| 0:07:08.670942 | LOG | PULL\_DATA: 02 d108 02 aa555a0000240409 |
| 0:07:08.670942 | LOG | PULL\_ACK: 02 d108 04 |
| 0:07:09.771415 | LOG | PUSH\_ACK: 02 126f 01 |
| 0:07:09.771415 | LOG | PUSH\_DATA: Protocol version = 02, Token = 126f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1996607228, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6gWAHgQs84e37q'}]} |
| 0:07:09.771415 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0158, FOpts: ), FPort: e0, FRMPayload: 00f7, MIC: 387b7eea) |
| 0:07:09.771415 | LOG | Server <-------------------- DUT |
| 0:07:09.771415 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a48b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f0266205) |
| 0:07:09.771415 | LOG | PULL\_RESP: Protocol version = 02, Token = 3fac, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1997607228, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4Ai6TgEKI0AaJxmhOEgPMS0TqIFitix18h7Uvx8C3qQs1peBQz/IAkv/XzAu6qY9TjKiHtdQPxXOid/k5hFcPmM6s07wrHja99w0624wWaVT+QPiYpEBgvsnCiKFAW9qQRRV4J+Dd+36phs2KEMSNNEeYInQv89UMHhguRQUdYgf7p+NddCYmgttwV5dz3mMEyp+NstRaIJlPgWjrcCdmyXSikfbBmBCKCJRqBBQSkRqtMnOGAHJFcPXAlwl1KJv1nWs2FW21X2aULFVVkFhBewpJIDOMyoIPLpHQynPn+l7MM8PAKHpcQ7UW4bM8qI/cdSEeX92HwJmIF'}} |
| 0:07:09.771415 | LOG | Server --------------------> DUT |
| 0:07:09.771415 | LOG | TX\_ACK: 02 3fac 05 aa555a0000240409 |
| 0:07:14.654240 | LOG | PUSH\_ACK: 02 1270 01 |
| 0:07:14.654240 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1270, Identifier = 00, JSON = {'rxpk': [{'tmst': 2001490181, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6gWQHgOy/djgW2'}]} |
| 0:07:14.654240 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0159, FOpts: ), FPort: e0, FRMPayload: 00f8, MIC: dd8e05b6) |
| 0:07:14.654240 | LOG | Server <-------------------- DUT |
| 0:07:14.654240 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a48c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 61c629d0) |
| 0:07:14.654240 | LOG | PULL\_RESP: Protocol version = 02, Token = 47e2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2002490181, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AjKTgeb7if1G67C7Yl8bW+z93M9XYQyPrVtOpDwe92EXGR+GpNBKe6LmECXEwgfswcSLp550G0gtdjBUzVH5KG3OIcE5wqzZCmGSty2UXUxJlpQFMpc03Ks91gEk093XoB7E5lr8drKoVLObpX5BQd5YypzfOi/wKzYt5LNeIO+qF3iiS2Q9xQtsJtpb/668e1EhU/3J1LZpWvTp1ki2OtA0uONKEbT8idLJAwRPUe6dnD7ozlxSbUlfrSkSRyCs/qtjp7WM7z88mFan4qUICZuu/ef+aUTK0j6NFkWy3nAvF9gRunhzTidnTi6sH1FudKixf+dBhxinQ'}} |
| 0:07:14.654240 | LOG | Server --------------------> DUT |
| 0:07:14.662394 | LOG | TX\_ACK: 02 47e2 05 aa555a0000240409 |
| 0:07:18.749274 | LOG | PULL\_DATA: 02 de9a 02 aa555a0000240409 |
| 0:07:18.749274 | LOG | PULL\_ACK: 02 de9a 04 |
| 0:07:19.559587 | LOG | PUSH\_ACK: 02 1271 01 |
| 0:07:19.559587 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1271, Identifier = 00, JSON = {'rxpk': [{'tmst': 2006332653, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6gWgHgdOU4hZnN'}]} |
| 0:07:19.559587 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 015a, FOpts: ), FPort: e0, FRMPayload: 00f9, MIC: 388599cd) |
| 0:07:19.559587 | LOG | Server <-------------------- DUT |
| 0:07:19.559587 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a48d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 86693a2e) |
| 0:07:19.559587 | LOG | PULL\_RESP: Protocol version = 02, Token = b9ae, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2007332653, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AjaTgnnuD8LZZca+7UUxAeS4TZFUK/AoiEfPmlmWiG6ilwOSsTzTp9O+mPvbNEWRgjD1M8AV8Go6I/C/zixVUraHNxgqs6rhugsT5z/cVmm/hdxzBmI12H6qkUWB1/lh+AxNIetYZm08dMXi7Zd3ZrEzhDFZYUPoUrng5WbfaK+cAvA1sqI5/QlCACZymB82KEMrp7Dj18Ix0CnSEx5g+sDEhLpFDShfap4ssKh4d0CVyduU13ErFmGP2+n9bpsEwDquLyN6n3gGixCmnqWiN+Vy5ILfmvoDxAMgjxNX/P8BjDGFPDzgr+bqCjr/hB27BZhVTv16GaTou'}} |
| 0:07:19.559587 | LOG | Server --------------------> DUT |
| 0:07:19.559587 | LOG | TX\_ACK: 02 b9ae 05 aa555a0000240409 |
| 0:07:24.376245 | LOG | PUSH\_ACK: 02 1272 01 |
| 0:07:24.378292 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1272, Identifier = 00, JSON = {'rxpk': [{'tmst': 2011175062, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6gWwHgvwVtZ+Pr'}]} |
| 0:07:24.378292 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 015b, FOpts: ), FPort: e0, FRMPayload: 00fa, MIC: 6d67e3eb) |
| 0:07:24.378292 | LOG | Server <-------------------- DUT |
| 0:07:24.378292 | LOG | Number of downlinks: 5 |
| 0:07:24.386377 | LOG | Number of errors: 0 |
| 0:07:24.386377 | LOG | Packet Error Rate (%): 0.0 |
| 0:07:24.386377 | LOG | Packet error rate SF8BW125 process tested successfully |
| 0:07:24.386377 | LOG | Send LinkADRReq process starts |
| 0:07:28.783632 | LOG | PULL\_DATA: 02 9c21 02 aa555a0000240409 |
| 0:07:28.783632 | LOG | PULL\_ACK: 02 9c21 04 |
| 0:07:29.186117 | LOG | PUSH\_ACK: 02 1273 01 |
| 0:07:29.186117 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1273, Identifier = 00, JSON = {'rxpk': [{'tmst': 2016017598, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AXAHgYNP6d9KS'}]} |
| 0:07:29.186117 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 015c, FOpts: ), FPort: e0, FRMPayload: 00fa, MIC: fa77d292) |
| 0:07:29.186117 | LOG | Server <-------------------- DUT |
| 0:07:29.186117 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a48e, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: fa1483ec) |
| 0:07:29.186117 | LOG | PULL\_RESP: Protocol version = 02, Token = 3b5c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2017017598, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AjqQAsHsfOYX6FIPs'}} |
| 0:07:29.186117 | LOG | Server --------------------> DUT |
| 0:07:29.186117 | LOG | TX\_ACK: 02 3b5c 05 aa555a0000240409 |
| 0:07:34.084006 | LOG | PUSH\_ACK: 02 1275 01 |
| 0:07:34.084006 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1275, Identifier = 00, JSON = {'rxpk': [{'tmst': 2020860383, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -47, 'size': 17, 'data': 'QO++rd6CXQEDB+Ar0gV2Qvs='}]} |
| 0:07:34.084006 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 015d, FOpts: 0307), FPort: e0, FRMPayload: 00fb, MIC: 057642fb) |
| 0:07:34.084006 | LOG | Server <-------------------- DUT |
| 0:07:34.084006 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:07:34.084006 | LOG | Command Answer: 0307 |
| 0:07:34.084006 | LOG | MAC command communication completed |
| 0:07:34.093964 | LOG | Send RXParamSetupReq process starts |
| 0:07:38.855517 | LOG | PULL\_DATA: 02 60eb 02 aa555a0000240409 |
| 0:07:38.855517 | LOG | PULL\_ACK: 02 60eb 04 |
| 0:07:38.865737 | LOG | PUSH\_ACK: 02 1276 01 |
| 0:07:38.865737 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1276, Identifier = 00, JSON = {'rxpk': [{'tmst': 2025702487, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AXgHg/0FKm/JP'}]} |
| 0:07:38.865737 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 015e, FOpts: ), FPort: e0, FRMPayload: 00fb, MIC: 4a9bf24f) |
| 0:07:38.865737 | LOG | Server <-------------------- DUT |
| 0:07:38.865737 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a48f, FOpts: ), FPort: 00, FRMPayload: 051868e28c), MIC: fc36f621) |
| 0:07:38.865737 | LOG | PULL\_RESP: Protocol version = 02, Token = 94f8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2026702487, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4Aj6QAQTmLNDH8NvYh'}} |
| 0:07:38.865737 | LOG | Server --------------------> DUT |
| 0:07:38.865737 | LOG | TX\_ACK: 02 94f8 05 aa555a0000240409 |
| 0:07:43.725699 | LOG | PUSH\_ACK: 02 1277 01 |
| 0:07:43.725699 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1277, Identifier = 00, JSON = {'rxpk': [{'tmst': 2030545352, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -44, 'size': 17, 'data': 'QO++rd6CXwEFB+DEypEBkx4='}]} |
| 0:07:43.725699 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 015f, FOpts: 0507), FPort: e0, FRMPayload: 00fc, MIC: 9101931e) |
| 0:07:43.725699 | LOG | Server <-------------------- DUT |
| 0:07:43.725699 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:07:43.725699 | LOG | Command Answer: 0507 |
| 0:07:43.735700 | LOG | Send ACK to DUT process starts |
| 0:07:43.735700 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a490, FOpts: ), FPort: , FRMPayload: ), MIC: b095dcac) |
| 0:07:43.735700 | LOG | PULL\_RESP: Protocol version = 02, Token = 7019, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2031545352, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AkKSwldys'}} |
| 0:07:43.735700 | LOG | Server --------------------> DUT |
| 0:07:43.735700 | LOG | Send ACK to DUT tested successfully |
| 0:07:43.735700 | LOG | MAC command communication completed |
| 0:07:43.745737 | LOG | Packet error rate (Confirmed) SF8BW125 process starts |
| 0:07:48.586472 | LOG | PUSH\_ACK: 02 1278 01 |
| 0:07:48.588529 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1278, Identifier = 00, JSON = {'rxpk': [{'tmst': 2035387447, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AYAHgYbbtMytL'}]} |
| 0:07:48.588529 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0160, FOpts: ), FPort: e0, FRMPayload: 00fd, MIC: ed332b4b) |
| 0:07:48.588529 | LOG | Server <-------------------- DUT |
| 0:07:48.588529 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a491, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 2971c46b) |
| 0:07:48.588529 | LOG | PULL\_RESP: Protocol version = 02, Token = 6063, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2036387447, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AkaTgRYKBsgQr+lsPSoQyEIVdG/5CjFxwr6B1zYeXPSuhP2hBp6NQPveDLHvWOHFaoY2zzk6+wHbUJJE3USy8irQVlItrbIuH5JFBbTonGuyWc1qBASkgKilTSZ9A6YNF+7Mvy/CJgcg8+7cuNQmNWX9zY+rG/jzmdtd/6+loU9vpI3JRZF0VeLl15FbggBsNGKus8qpW6LMKegu1QZem/PiGAxJHYOR/45lVhw+e/mVGD/fyo2V7+FolybEG/fcyDDKVYOas6nA48T/2qyshqF56CHwcFDDNgRs4VCDvWsT9AFHbxNN9hx+QDa5AdcttyDKOdZkpccRr'}} |
| 0:07:48.588529 | LOG | Server --------------------> DUT |
| 0:07:48.588529 | LOG | TX\_ACK: 02 6063 05 aa555a0000240409 |
| 0:07:49.016540 | LOG | PULL\_DATA: 02 62e8 02 aa555a0000240409 |
| 0:07:49.016540 | LOG | PULL\_ACK: 02 62e8 04 |
| 0:07:53.428990 | LOG | PUSH\_ACK: 02 1279 01 |
| 0:07:53.431155 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1279, Identifier = 00, JSON = {'rxpk': [{'tmst': 2040270615, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6gYQHgiFph9Ai2'}]} |
| 0:07:53.431155 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0161, FOpts: ), FPort: e0, FRMPayload: 00fe, MIC: 61f408b6) |
| 0:07:53.431155 | LOG | Server <-------------------- DUT |
| 0:07:53.431155 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a492, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d5245332) |
| 0:07:53.431155 | LOG | PULL\_RESP: Protocol version = 02, Token = d9c0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2041270615, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AkqTgSygprRmtXJEmKzstMs6DLoYCq0QbcO51tPPpW+kWluS6rIzX07CJx9/K6PcWJtJ+ghPJz57nIleHqYy33/GTJpLVbHiRmfm5I7SA49YfrfaTXhFX2duta4KQNP5SlIC06bGQu7Tz9JY6SmoTlWBbpQJE+bK3izWw7PQOXwaBvRtFQHHo07V0i5ixFOgdo7yFEqkqAKzoETYPKZ3GPmIrBwmVUCiQD9IVONgjLOq/Ysy2zlNjeimtoirSiGNoytzEfhxTpOY/noQC/jLVnBhzd5QXJrLxEre3K8x3HRwZ2+r1emO3lVF9mrxcTV1PYEihetPVJFMy'}} |
| 0:07:53.431155 | LOG | Server --------------------> DUT |
| 0:07:53.431155 | LOG | TX\_ACK: 02 d9c0 05 aa555a0000240409 |
| 0:07:58.295218 | LOG | PUSH\_ACK: 02 127a 01 |
| 0:07:58.297311 | LOG | PUSH\_DATA: Protocol version = 02, Token = 127a, Identifier = 00, JSON = {'rxpk': [{'tmst': 2045113047, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6gYgHg+fzDknkD'}]} |
| 0:07:58.297311 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0162, FOpts: ), FPort: e0, FRMPayload: 00ff, MIC: c3927903) |
| 0:07:58.297311 | LOG | Server <-------------------- DUT |
| 0:07:58.297311 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a493, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 54543be1) |
| 0:07:58.297311 | LOG | PULL\_RESP: Protocol version = 02, Token = 76ae, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2046113047, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4Ak6Tg+bz8f/YL4SiWw6lqBk1D195EiXMFoVBxVuQfSuYvBbJDYIPX0pZ4dQa1qtV+4nUVqHnh8hbnZI5Qw8PilWlQothCDgq2IxOW+yrk4Tbiee9JI8MFrxDaJN2OsGhCwE/5Sg/ORf0Hto7RsHhO+nbQF6qITPH364yd9LfzUzuaLUet956nHj+vYMzoyel4bwlLuecQhHS1odjRUNUc7r+rweRAkjpJjYvxrPQ3aP1eKQ170g09HERxkAlQikUkc6zKKIZPn3b9Cl6mRCp9YSW0j/SjFIoiDmX4Pd1AEZ9A7QjA4j2vJHEYMfwxi1VmvBzFEA5UVDvh'}} |
| 0:07:58.297311 | LOG | Server --------------------> DUT |
| 0:07:58.297311 | LOG | TX\_ACK: 02 76ae 05 aa555a0000240409 |
| 0:07:59.125670 | LOG | PULL\_DATA: 02 0165 02 aa555a0000240409 |
| 0:07:59.126667 | LOG | PULL\_ACK: 02 0165 04 |
| 0:08:03.172601 | LOG | PUSH\_ACK: 02 127c 01 |
| 0:08:03.172601 | LOG | PUSH\_DATA: Protocol version = 02, Token = 127c, Identifier = 00, JSON = {'rxpk': [{'tmst': 2049955562, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6gYwHg7hxWDkZR'}]} |
| 0:08:03.172601 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0163, FOpts: ), FPort: e0, FRMPayload: 0100, MIC: 560e4651) |
| 0:08:03.172601 | LOG | Server <-------------------- DUT |
| 0:08:03.172601 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a494, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9895780d) |
| 0:08:03.172601 | LOG | PULL\_RESP: Protocol version = 02, Token = 4c6b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2050955562, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AlKTgpjdKlIWYXohv7ybJ8q+RrQ3dhvVuFlSs5KsB+C9kZWupOFA2kdFKcghmmBMMp7Dw2VNbR2cbhV245fpljhdBGJAS0hiytej07DASHnKokGZQMkWfssowZjblt6mZ55GEp+X25xnm38VvUnz0851jlPN6HfoDjs9cgvmmwx6nr8aPxJoZH33Wf+WBRP6XWzpPvRmlbCr7JCUGSI8pMzP9Mf6MiVEumF6ZIarbyrFRG6mT9UyQaJqzVmx8UwbT0yEDw7DqstjKfGJxxqQ1pRrLShUS+rVq39bup/fIXjc/mLm+WOq2ciekTDEL6SAxX8yKPuWYlXgN'}} |
| 0:08:03.172601 | LOG | Server --------------------> DUT |
| 0:08:03.172601 | LOG | TX\_ACK: 02 4c6b 05 aa555a0000240409 |
| 0:08:08.010633 | LOG | PUSH\_ACK: 02 127d 01 |
| 0:08:08.010633 | LOG | PUSH\_DATA: Protocol version = 02, Token = 127d, Identifier = 00, JSON = {'rxpk': [{'tmst': 2054797993, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6gZAHgmRXDbsQf'}]} |
| 0:08:08.010633 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0164, FOpts: ), FPort: e0, FRMPayload: 0101, MIC: c36ec41f) |
| 0:08:08.010633 | LOG | Server <-------------------- DUT |
| 0:08:08.010633 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a495, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 25cc4ecc) |
| 0:08:08.010633 | LOG | PULL\_RESP: Protocol version = 02, Token = a2e8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2055797993, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AlaTgYbKlCs32AT/Hr+de+l+qRu8DZkXrUVYp8qfyOGHRurmDnI90HzrPiZ9goErYl3R0TPwD5eMEGnsP+vP7XxDkKh8nMYaW8BhTamXnUE+1mAAYoLZHX+cxYub54qxsLe3OPDAJ9bama0pOjYuf8uirLlUMmJbAWXxt4gnNsHrTKSD1qKEJEFG/7zwl4yDPOvGyccccM/vwuaNJLdnZSj/2XBNxadYaGp27X+K0kg3pOfYNO6UctrrVxTL00cOpyCehnDY7vkGjwjH1mE9a4MuzyRvXWRwMGaKVBJMEKRdmFMA+mDnakOTaDhHIAZGBIBEUXNwlzE7M'}} |
| 0:08:08.010633 | LOG | Server --------------------> DUT |
| 0:08:08.010633 | LOG | TX\_ACK: 02 a2e8 05 aa555a0000240409 |
| 0:08:09.250982 | LOG | PULL\_DATA: 02 1b83 02 aa555a0000240409 |
| 0:08:09.250982 | LOG | PULL\_ACK: 02 1b83 04 |
| 0:08:12.823684 | LOG | PUSH\_ACK: 02 127e 01 |
| 0:08:12.825708 | LOG | PUSH\_DATA: Protocol version = 02, Token = 127e, Identifier = 00, JSON = {'rxpk': [{'tmst': 2059640505, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6gZQHgNz5X46oN'}]} |
| 0:08:12.825708 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0165, FOpts: ), FPort: e0, FRMPayload: 0102, MIC: 57e3aa0d) |
| 0:08:12.825708 | LOG | Server <-------------------- DUT |
| 0:08:12.825708 | LOG | Number of downlinks: 5 |
| 0:08:12.833744 | LOG | Number of errors: 0 |
| 0:08:12.833744 | LOG | Packet Error Rate (%): 0.0 |
| 0:08:12.833744 | LOG | Packet error rate SF8BW125 process tested successfully |
| 0:08:12.833744 | LOG | Send LinkADRReq process starts |
| 0:08:17.680435 | LOG | PUSH\_ACK: 02 127f 01 |
| 0:08:17.682450 | LOG | PUSH\_DATA: Protocol version = 02, Token = 127f, Identifier = 00, JSON = {'rxpk': [{'tmst': 2064482953, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AZgHg2Cq1Nr/a'}]} |
| 0:08:17.682450 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0166, FOpts: ), FPort: e0, FRMPayload: 0102, MIC: b536bfda) |
| 0:08:17.682450 | LOG | Server <-------------------- DUT |
| 0:08:17.682450 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a496, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: 36f81e3d) |
| 0:08:17.682450 | LOG | PULL\_RESP: Protocol version = 02, Token = c2ea, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2065482953, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AlqQAxcnTdJ02+B49'}} |
| 0:08:17.682450 | LOG | Server --------------------> DUT |
| 0:08:17.682450 | LOG | TX\_ACK: 02 c2ea 05 aa555a0000240409 |
| 0:08:19.350867 | LOG | PULL\_DATA: 02 2276 02 aa555a0000240409 |
| 0:08:19.350867 | LOG | PULL\_ACK: 02 2276 04 |
| 0:08:22.517093 | LOG | PUSH\_ACK: 02 1280 01 |
| 0:08:22.517093 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1280, Identifier = 00, JSON = {'rxpk': [{'tmst': 2069325794, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -46, 'size': 17, 'data': 'QO++rd6CZwEDB+DVSJA++Eo='}]} |
| 0:08:22.517093 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0167, FOpts: 0307), FPort: e0, FRMPayload: 0103, MIC: 903ef84a) |
| 0:08:22.517093 | LOG | Server <-------------------- DUT |
| 0:08:22.517093 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:08:22.517093 | LOG | Command Answer: 0307 |
| 0:08:22.525118 | LOG | MAC command communication completed |
| 0:08:22.525118 | LOG | Send RXParamSetupReq process starts |
| 0:08:27.357118 | LOG | PUSH\_ACK: 02 1281 01 |
| 0:08:27.357118 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1281, Identifier = 00, JSON = {'rxpk': [{'tmst': 2074168106, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AaAHgDgjImakK'}]} |
| 0:08:27.357118 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0168, FOpts: ), FPort: e0, FRMPayload: 0103, MIC: c899a90a) |
| 0:08:27.357118 | LOG | Server <-------------------- DUT |
| 0:08:27.357118 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a497, FOpts: ), FPort: 00, FRMPayload: 052868e28c), MIC: 5ba1b490) |
| 0:08:27.357118 | LOG | PULL\_RESP: Protocol version = 02, Token = 2e86, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2075168106, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4Al6QA5OZrNt1bobSQ'}} |
| 0:08:27.357118 | LOG | Server --------------------> DUT |
| 0:08:27.357118 | LOG | TX\_ACK: 02 2e86 05 aa555a0000240409 |
| 0:08:29.402258 | LOG | PULL\_DATA: 02 d2e1 02 aa555a0000240409 |
| 0:08:29.402258 | LOG | PULL\_ACK: 02 d2e1 04 |
| 0:08:32.235669 | LOG | PUSH\_ACK: 02 1282 01 |
| 0:08:32.237748 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1282, Identifier = 00, JSON = {'rxpk': [{'tmst': 2079051425, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -43, 'size': 17, 'data': 'QO++rd6CaQEFB+AdbFc/u+Y='}]} |
| 0:08:32.237748 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0169, FOpts: 0507), FPort: e0, FRMPayload: 0104, MIC: 573fbbe6) |
| 0:08:32.237748 | LOG | Server <-------------------- DUT |
| 0:08:32.237748 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:08:32.237748 | LOG | Command Answer: 0507 |
| 0:08:32.245830 | LOG | Send ACK to DUT process starts |
| 0:08:32.245830 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a498, FOpts: ), FPort: , FRMPayload: ), MIC: b9f1220f) |
| 0:08:32.245830 | LOG | PULL\_RESP: Protocol version = 02, Token = 6405, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2080051425, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AmKS58SIP'}} |
| 0:08:32.245830 | LOG | Server --------------------> DUT |
| 0:08:32.245830 | LOG | Send ACK to DUT tested successfully |
| 0:08:32.255762 | LOG | MAC command communication completed |
| 0:08:32.255762 | LOG | Packet error rate (Confirmed) SF8BW125 process starts |
| 0:08:37.101959 | LOG | PUSH\_ACK: 02 1284 01 |
| 0:08:37.101959 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1284, Identifier = 00, JSON = {'rxpk': [{'tmst': 2083893554, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AagHgVezcxMtr'}]} |
| 0:08:37.101959 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 016a, FOpts: ), FPort: e0, FRMPayload: 0105, MIC: dcc4cb6b) |
| 0:08:37.101959 | LOG | Server <-------------------- DUT |
| 0:08:37.101959 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a499, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e083ea0b) |
| 0:08:37.101959 | LOG | PULL\_RESP: Protocol version = 02, Token = 160d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2084893554, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AmaTgoZWC4lcQLCzOVS0+icm36gKVTK27Po0wbUNtJj8bRY+WrA3+v0b6GdfAzuEI8O78bZzgZgc7nStwPTCrWVy1/GhYxmpxePA9JM2Ro61eqiUbCQY9BHE7uUbrKNymHg8Z0VGYDVS/nJlKVCitFOu0PkeXgA7RjDq6mW73g/EbOp1+HKNqoHH6k09fIIlkwmZ777CGZ94KOtfC3//G3M1dnAZCpiBpQQxz4+IkymHvzHEeupKsLwgJp7UIkYWeme5Bt8LPR2ipavLVaVGkV+rnvwAAAG2V3LIbPXBg9hI+PXJVyZUhsq+FnYMAczRyRmAaQxvgg+oL'}} |
| 0:08:37.101959 | LOG | Server --------------------> DUT |
| 0:08:37.101959 | LOG | TX\_ACK: 02 160d 05 aa555a0000240409 |
| 0:08:39.564525 | LOG | PULL\_DATA: 02 beb9 02 aa555a0000240409 |
| 0:08:39.564525 | LOG | PULL\_ACK: 02 beb9 04 |
| 0:08:41.933407 | LOG | PUSH\_ACK: 02 1285 01 |
| 0:08:41.935461 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1285, Identifier = 00, JSON = {'rxpk': [{'tmst': 2088735978, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6gawHgiZC+pMTj'}]} |
| 0:08:41.935461 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 016b, FOpts: ), FPort: e0, FRMPayload: 0106, MIC: bea4c4e3) |
| 0:08:41.935461 | LOG | Server <-------------------- DUT |
| 0:08:41.935461 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a49a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: da8cf253) |
| 0:08:41.935461 | LOG | PULL\_RESP: Protocol version = 02, Token = bb60, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2089735978, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AmqTglNNwx6/5rXPBHTNHws1N+punWNFuqO2SyPogK9LEtIE22n60784kNC4d6egCh4pueOgHzvbmOlqibGFluxYoNj1nrOnI6aMXYAlKOsSMO6AYb+ZiXjoDic/DOtKSJSIWsVX632HpMU7y1bl58i9zChu3oTrdQD1DnGVQ3v75V7S6SvN58Tqyw42UAnqGkDTVnbNB/ceOX8s6DvYQiA+kbM8vKyikATCOHP72HlLRCPtjkc9gAN/mKjdmYqNdsLzA9FGeAG5wjDb/ADSDyyPgRLERhMquCo5gvYeQJ8IEHypMJ7XdV2mDWe4on1YNvuBQbqjajPJT'}} |
| 0:08:41.935461 | LOG | Server --------------------> DUT |
| 0:08:41.935461 | LOG | TX\_ACK: 02 bb60 05 aa555a0000240409 |
| 0:08:46.805808 | LOG | PUSH\_ACK: 02 1286 01 |
| 0:08:46.805808 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1286, Identifier = 00, JSON = {'rxpk': [{'tmst': 2093578562, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6gbAHgavF9A+RG'}]} |
| 0:08:46.805808 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 016c, FOpts: ), FPort: e0, FRMPayload: 0107, MIC: 7d03e446) |
| 0:08:46.805808 | LOG | Server <-------------------- DUT |
| 0:08:46.805808 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a49b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8bce0717) |
| 0:08:46.805808 | LOG | PULL\_RESP: Protocol version = 02, Token = cbed, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2094578562, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4Am6TgsYOxv9ax8txF1dhNhxTWMv1RBA+PpzJP0jgaddl5snJKrkNJ0at+Gmt/s9oPXc4G73NuA9k7UjGZAx9a54ZvPntRwTBBYXKEvEcZtVk6cDicAB80URV/vVIT2EQ0F63uA6plMqnGMNb+TXe5iAuCuHuwv10Jzlv6DCFUch4Ocum5FPFW+BS+VB5rEyuGEWsoyp1DLEYkn7tB8xYoT0ZothxapSDXHosyROqna6uE84htV3vgXWKUmju2QAKVOanko8WhlCcHSB5bCa/XOTlQGHiqn51YazSBxZWeqiq0wXwdaW6oSmDI6Ovq4rtcRwh1hguLzgcX'}} |
| 0:08:46.805808 | LOG | Server --------------------> DUT |
| 0:08:46.805808 | LOG | TX\_ACK: 02 cbed 05 aa555a0000240409 |
| 0:08:49.673497 | LOG | PULL\_DATA: 02 0696 02 aa555a0000240409 |
| 0:08:49.673497 | LOG | PULL\_ACK: 02 0696 04 |
| 0:08:51.633510 | LOG | PUSH\_ACK: 02 1287 01 |
| 0:08:51.635549 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1287, Identifier = 00, JSON = {'rxpk': [{'tmst': 2098421100, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6gbQHgIjyEEH/H'}]} |
| 0:08:51.635549 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 016d, FOpts: ), FPort: e0, FRMPayload: 0108, MIC: 84107fc7) |
| 0:08:51.635549 | LOG | Server <-------------------- DUT |
| 0:08:51.635549 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a49c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 418bdc9c) |
| 0:08:51.635549 | LOG | PULL\_RESP: Protocol version = 02, Token = 9ce7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2099421100, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AnKTgKyI9zkfxhrwm8BeU8WVYSP777F0JXH2D/cqRMv4pnANxlwEwZCZ4yPrHdPqKkS7/0d0rCKGgvKtAhCg8k/vx1NTByUceDz2FMbvxpd3iuThG0j/0PzglNVZv/rga5/pix9iFxce9IZprC4oh1mVb+Li9GZW42u1dlEWmknUXj0bH8EA0ZJ8HGw342JyUK7RV/2gF67qv0HwsFFvrhReKII6KSRjfkhLqu44leOlGKCvkModxQbyK9do1a6BTmqI3I974CTBej0QNqwX4mYoWE7hxxezEclHIelwbMSuD2VqgB0Z9xH0kpQQOfxOSNbfiXS9Bi9yc'}} |
| 0:08:51.635549 | LOG | Server --------------------> DUT |
| 0:08:51.635549 | LOG | TX\_ACK: 02 9ce7 05 aa555a0000240409 |
| 0:08:56.492196 | LOG | PUSH\_ACK: 02 1288 01 |
| 0:08:56.492196 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1288, Identifier = 00, JSON = {'rxpk': [{'tmst': 2103263628, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6gbgHg/sGdf/7O'}]} |
| 0:08:56.492196 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 016e, FOpts: ), FPort: e0, FRMPayload: 0109, MIC: 9d7ffece) |
| 0:08:56.492196 | LOG | Server <-------------------- DUT |
| 0:08:56.492196 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a49d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e9b09598) |
| 0:08:56.492196 | LOG | PULL\_RESP: Protocol version = 02, Token = 8bb3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2104263628, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AnaTgdPMUsHss2w04O1AiD3JRwZ8SG7mrXI+IfRQ0cnlf6+V3ICNREXAAg6ty4vnIWFZza59lVS7IGU5NvKbKl79sur2FQkuWZm0Us3H/1CT34tTQx3kNmHIQXQMkQTuF3m5tsfPzTVD/V+Pff2VlJyaaDw7pYylQTR47sNyZrxxehloQfC6XMf3RonuB123FAeFBAQnYfOgKIgtoVISWchev5FHZqMcdzoOnMDTbSP8+1JfhD/2ahNCDRuiIjm/D0/nOu2PbOsIHkafuSVrTdVtzz5TXr9Y2WuO/IhOmnylM6ZJDAvCA9mmV8Z7BZy8XbaJmTkHpsJWY'}} |
| 0:08:56.492196 | LOG | Server --------------------> DUT |
| 0:08:56.492196 | LOG | TX\_ACK: 02 8bb3 05 aa555a0000240409 |
| 0:08:59.772426 | LOG | PULL\_DATA: 02 f26a 02 aa555a0000240409 |
| 0:08:59.772426 | LOG | PULL\_ACK: 02 f26a 04 |
| 0:09:01.259344 | LOG | PUSH\_ACK: 02 1289 01 |
| 0:09:01.261389 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1289, Identifier = 00, JSON = {'rxpk': [{'tmst': 2108106116, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6gbwHgvfSMHFim'}]} |
| 0:09:01.261389 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 016f, FOpts: ), FPort: e0, FRMPayload: 010a, MIC: 8c1c58a6) |
| 0:09:01.261389 | LOG | Server <-------------------- DUT |
| 0:09:01.261389 | LOG | Number of downlinks: 5 |
| 0:09:01.269455 | LOG | Number of errors: 0 |
| 0:09:01.269455 | LOG | Packet Error Rate (%): 0.0 |
| 0:09:01.269455 | LOG | Packet error rate SF8BW125 process tested successfully |
| 0:09:01.269455 | LOG | Send LinkADRReq process starts |
| 0:09:06.139670 | LOG | PUSH\_ACK: 02 128b 01 |
| 0:09:06.139727 | LOG | PUSH\_DATA: Protocol version = 02, Token = 128b, Identifier = 00, JSON = {'rxpk': [{'tmst': 2112948812, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AcAHgJHoQyZrb'}]} |
| 0:09:06.139727 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0170, FOpts: ), FPort: e0, FRMPayload: 010a, MIC: 10c99adb) |
| 0:09:06.139727 | LOG | Server <-------------------- DUT |
| 0:09:06.139727 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a49e, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: 8cd46e4d) |
| 0:09:06.147806 | LOG | PULL\_RESP: Protocol version = 02, Token = 1c82, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2113948812, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AnqQAjZ8f0uOM1G5N'}} |
| 0:09:06.147806 | LOG | Server --------------------> DUT |
| 0:09:06.147806 | LOG | TX\_ACK: 02 1c82 05 aa555a0000240409 |
| 0:09:09.834573 | LOG | PULL\_DATA: 02 4fe6 02 aa555a0000240409 |
| 0:09:09.834573 | LOG | PULL\_ACK: 02 4fe6 04 |
| 0:09:11.072503 | LOG | PUSH\_ACK: 02 128c 01 |
| 0:09:11.072503 | LOG | PUSH\_DATA: Protocol version = 02, Token = 128c, Identifier = 00, JSON = {'rxpk': [{'tmst': 2117832140, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -45, 'size': 17, 'data': 'QO++rd6CcQEDB+BjQFoNyKk='}]} |
| 0:09:11.072503 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0171, FOpts: 0307), FPort: e0, FRMPayload: 010b, MIC: 5a0dc8a9) |
| 0:09:11.072503 | LOG | Server <-------------------- DUT |
| 0:09:11.072503 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:09:11.072503 | LOG | Command Answer: 0307 |
| 0:09:11.072503 | LOG | MAC command communication completed |
| 0:09:11.082466 | LOG | Send RXParamSetupReq process starts |
| 0:09:15.890794 | LOG | PUSH\_ACK: 02 128d 01 |
| 0:09:15.890794 | LOG | PUSH\_DATA: Protocol version = 02, Token = 128d, Identifier = 00, JSON = {'rxpk': [{'tmst': 2122674316, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AcgHgRZIKCtTH'}]} |
| 0:09:15.890794 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0172, FOpts: ), FPort: e0, FRMPayload: 010b, MIC: 0a0ad4c7) |
| 0:09:15.890794 | LOG | Server <-------------------- DUT |
| 0:09:15.890794 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a49f, FOpts: ), FPort: 00, FRMPayload: 053868e28c), MIC: 6e36012a) |
| 0:09:15.890794 | LOG | PULL\_RESP: Protocol version = 02, Token = cc8a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2123674316, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4An6QAKbIpc31uNgEq'}} |
| 0:09:15.890794 | LOG | Server --------------------> DUT |
| 0:09:15.890794 | LOG | TX\_ACK: 02 cc8a 05 aa555a0000240409 |
| 0:09:19.992692 | LOG | PULL\_DATA: 02 bc1c 02 aa555a0000240409 |
| 0:09:19.992692 | LOG | PULL\_ACK: 02 bc1c 04 |
| 0:09:20.712748 | LOG | PUSH\_ACK: 02 128e 01 |
| 0:09:20.712748 | LOG | PUSH\_DATA: Protocol version = 02, Token = 128e, Identifier = 00, JSON = {'rxpk': [{'tmst': 2127517163, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -43, 'size': 17, 'data': 'QO++rd6CcwEFB+C5Oei7I7w='}]} |
| 0:09:20.712748 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0173, FOpts: 0507), FPort: e0, FRMPayload: 010c, MIC: e8bb23bc) |
| 0:09:20.712748 | LOG | Server <-------------------- DUT |
| 0:09:20.712748 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:09:20.712748 | LOG | Command Answer: 0507 |
| 0:09:20.722750 | LOG | Send ACK to DUT process starts |
| 0:09:20.722750 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4a0, FOpts: ), FPort: , FRMPayload: ), MIC: c9eeca32) |
| 0:09:20.722750 | LOG | PULL\_RESP: Protocol version = 02, Token = e944, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2128517163, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AoKTJ7soy'}} |
| 0:09:20.722750 | LOG | Server --------------------> DUT |
| 0:09:20.722750 | LOG | Send ACK to DUT tested successfully |
| 0:09:20.722750 | LOG | MAC command communication completed |
| 0:09:20.732749 | LOG | Packet error rate (Confirmed) SF8BW125 process starts |
| 0:09:25.529454 | LOG | PUSH\_ACK: 02 128f 01 |
| 0:09:25.531563 | LOG | PUSH\_DATA: Protocol version = 02, Token = 128f, Identifier = 00, JSON = {'rxpk': [{'tmst': 2132359327, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AdAHg6+vhF8Oh'}]} |
| 0:09:25.531563 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0174, FOpts: ), FPort: e0, FRMPayload: 010d, MIC: e117c3a1) |
| 0:09:25.531563 | LOG | Server <-------------------- DUT |
| 0:09:25.531563 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4a1, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 678e320b) |
| 0:09:25.531563 | LOG | PULL\_RESP: Protocol version = 02, Token = 1baf, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2133359327, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4AoaTgeEt6r/A/QuJbYbmIjUFuW1y/gxEaIkeE1OBO6prH0l1M3zr5O5oiQJyt8vYEUIoshFq32ojDeu/0E0D/PDRlpSTYSo1zkDLoBLhsrmwB4tG6uODODR7UyshAAXEDnAdF2WgyGD9V2mjXy0eK9je0oxhpYkGBiwchdNB3S5BQrY6HZ44yCw=='}} |
| 0:09:25.531563 | LOG | Server --------------------> DUT |
| 0:09:25.531563 | LOG | TX\_ACK: 02 1baf 05 aa555a0000240409 |
| 0:09:30.051883 | LOG | PULL\_DATA: 02 451f 02 aa555a0000240409 |
| 0:09:30.051883 | LOG | PULL\_ACK: 02 451f 04 |
| 0:09:30.421862 | LOG | PUSH\_ACK: 02 1290 01 |
| 0:09:30.421862 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1290, Identifier = 00, JSON = {'rxpk': [{'tmst': 2137202024, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6gdQHgVMRR8Bcr'}]} |
| 0:09:30.421862 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0175, FOpts: ), FPort: e0, FRMPayload: 010e, MIC: 51f0172b) |
| 0:09:30.421862 | LOG | Server <-------------------- DUT |
| 0:09:30.421862 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4a2, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7cbdeb0f) |
| 0:09:30.421862 | LOG | PULL\_RESP: Protocol version = 02, Token = 7624, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2138202024, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4AoqTgZqKyUPqkc4dIjYJvzuxTqwPE/+23aqEtq8h3m0g+vJ3jnZym0wM6UZCs4MWc7NV+gsOKCwKxRdbTwqEeVwermQTVy93OwBgp54WB5nIlrqybZYXFLN5Q+17q9lMymWJtVI0/xq5golUDKaPu6lSb1597ZTmhVJtcDfqwepbdi384fL3rDw=='}} |
| 0:09:30.421862 | LOG | Server --------------------> DUT |
| 0:09:30.421862 | LOG | TX\_ACK: 02 7624 05 aa555a0000240409 |
| 0:09:35.200380 | LOG | PUSH\_ACK: 02 1292 01 |
| 0:09:35.202473 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1292, Identifier = 00, JSON = {'rxpk': [{'tmst': 2142044503, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6gdgHgl/UyORRZ'}]} |
| 0:09:35.202473 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0176, FOpts: ), FPort: e0, FRMPayload: 010f, MIC: 32391459) |
| 0:09:35.202473 | LOG | Server <-------------------- DUT |
| 0:09:35.202473 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4a3, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 91e651c7) |
| 0:09:35.202473 | LOG | PULL\_RESP: Protocol version = 02, Token = 26fd, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2143044503, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4Ao6Tg7lyDddnw8kcnNuThSrXL3RujZ1wUCL/c8AAddYdHhh530bDlxDBSnb8RAREYgrlwyZoSt7ikAGd9MR8rgg/jbKCqW63RI+4GYMJG/kXX4kc2hbBxyUNh25iyHG4WpV3NeGYLsJegdWgPQg6hfbLP0swfRviuVugCSH8Mw0cn3h0ckeZRxw=='}} |
| 0:09:35.202473 | LOG | Server --------------------> DUT |
| 0:09:35.202473 | LOG | TX\_ACK: 02 26fd 05 aa555a0000240409 |
| 0:09:40.046324 | LOG | PUSH\_ACK: 02 1293 01 |
| 0:09:40.048377 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1293, Identifier = 00, JSON = {'rxpk': [{'tmst': 2146887079, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6gdwHgSWr+Lfw7'}]} |
| 0:09:40.048377 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0177, FOpts: ), FPort: e0, FRMPayload: 0110, MIC: fe2dfc3b) |
| 0:09:40.048377 | LOG | Server <-------------------- DUT |
| 0:09:40.048377 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4a4, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 23d6d390) |
| 0:09:40.048377 | LOG | PULL\_RESP: Protocol version = 02, Token = caf8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2147887079, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4ApKTgnaJIsT3kQt18FLkDBYv+2JU7GgbqHZHyhExA7ZVRo8Tpk+3+gksi8RJxBMIHi/pMVlt2Le8pOtcCr+ZP2tdMjo0MJhdynX1UaB/AJSEQAHBJZkssx+E9H9r0iCWXJ5NF4QzDgwC2yPcb/zWl3zf63oasKUTyhbQMLno0Pocoek9/I9bTkA=='}} |
| 0:09:40.048377 | LOG | Server --------------------> DUT |
| 0:09:40.048377 | LOG | TX\_ACK: 02 caf8 05 aa555a0000240409 |
| 0:09:40.056562 | LOG | PULL\_DATA: 02 03ae 02 aa555a0000240409 |
| 0:09:40.056562 | LOG | PULL\_ACK: 02 03ae 04 |
| 0:09:44.883400 | LOG | PUSH\_ACK: 02 1294 01 |
| 0:09:44.883400 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1294, Identifier = 00, JSON = {'rxpk': [{'tmst': 2151729583, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6geAHgMk8a4UeF'}]} |
| 0:09:44.883400 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0178, FOpts: ), FPort: e0, FRMPayload: 0111, MIC: 1ae14785) |
| 0:09:44.883400 | LOG | Server <-------------------- DUT |
| 0:09:44.883400 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4a5, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 286aeae1) |
| 0:09:44.883400 | LOG | PULL\_RESP: Protocol version = 02, Token = 5873, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2152729583, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'oO++rd4ApaTgqQ482t564JIg3Hin9oToTzttB91LtxmiWtszGBS3g6mx7PUqnENRDL2es7aMVMlh+8+i6QiOcVboiAn6WywZJ0bQM/P7xZsbbl+cFthf8k+YasaGQUnJBr7QHEWsplZBgBmm1w/kpbI7UpM6vHXt5WybzyJHL1BgmuFcAfQKsmyHKGrq4Q=='}} |
| 0:09:44.883400 | LOG | Server --------------------> DUT |
| 0:09:44.883400 | LOG | TX\_ACK: 02 5873 05 aa555a0000240409 |
| 0:09:49.782695 | LOG | PUSH\_ACK: 02 1295 01 |
| 0:09:49.782695 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1295, Identifier = 00, JSON = {'rxpk': [{'tmst': 2156612631, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6geQHg+QSvxc5P'}]} |
| 0:09:49.782695 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0179, FOpts: ), FPort: e0, FRMPayload: 0112, MIC: afc5ce4f) |
| 0:09:49.782695 | LOG | Server <-------------------- DUT |
| 0:09:49.790812 | LOG | Number of downlinks: 5 |
| 0:09:49.790812 | LOG | Number of errors: 0 |
| 0:09:49.790812 | LOG | Packet Error Rate (%): 0.0 |
| 0:09:49.790812 | LOG | Packet error rate SF8BW125 process tested successfully |
| 0:09:49.790812 | LOG | End Test Step: Test packet error rate for SF8BW125 using RX1 window |
| 0:09:49.790812 | LOG | Partial Verdict: PASS |
| 0:09:49.800771 | LOG | ========================================================= |
| 0:09:49.800771 | LOG | ========================================================= |
| 0:09:49.800771 | LOG | Start Test Step: Test packet error rate for SF7BW125 using RX1 window |
| 0:09:49.810739 | LOG | Send LinkADRReq process starts |
| 0:09:50.220775 | LOG | PULL\_DATA: 02 9d2d 02 aa555a0000240409 |
| 0:09:50.220775 | LOG | PULL\_ACK: 02 9d2d 04 |
| 0:09:54.664167 | LOG | PUSH\_ACK: 02 1296 01 |
| 0:09:54.664167 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1296, Identifier = 00, JSON = {'rxpk': [{'tmst': 2161455135, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AegHgOxiefQ10'}]} |
| 0:09:54.667157 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 017a, FOpts: ), FPort: e0, FRMPayload: 0112, MIC: 9e7d0d74) |
| 0:09:54.667157 | LOG | Server <-------------------- DUT |
| 0:09:54.667157 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4a6, FOpts: ), FPort: 00, FRMPayload: 0335ff0001), MIC: e3b8fb9b) |
| 0:09:54.667157 | LOG | PULL\_RESP: Protocol version = 02, Token = d540, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2162455135, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4ApqQA0sWccDzjuPub'}} |
| 0:09:54.667157 | LOG | Server --------------------> DUT |
| 0:09:54.667157 | LOG | TX\_ACK: 02 d540 05 aa555a0000240409 |
| 0:09:59.460853 | LOG | PUSH\_ACK: 02 1297 01 |
| 0:09:59.462869 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1297, Identifier = 00, JSON = {'rxpk': [{'tmst': 2166256734, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -45, 'size': 17, 'data': 'QO++rd6CewEDB+BrYxByINU='}]} |
| 0:09:59.462869 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 017b, FOpts: 0307), FPort: e0, FRMPayload: 0113, MIC: 107220d5) |
| 0:09:59.462869 | LOG | Server <-------------------- DUT |
| 0:09:59.462869 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:09:59.462869 | LOG | Command Answer: 0307 |
| 0:09:59.462869 | LOG | MAC command communication completed |
| 0:09:59.470931 | LOG | Send RXParamSetupReq process starts |
| 0:10:00.420878 | LOG | PULL\_DATA: 02 d77b 02 aa555a0000240409 |
| 0:10:00.420878 | LOG | PULL\_ACK: 02 d77b 04 |
| 0:10:04.310343 | LOG | PUSH\_ACK: 02 1299 01 |
| 0:10:04.310343 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1299, Identifier = 00, JSON = {'rxpk': [{'tmst': 2171093726, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -42, 'size': 15, 'data': 'QO++rd6AfAHg3fKXEeIN'}]} |
| 0:10:04.310343 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 017c, FOpts: ), FPort: e0, FRMPayload: 0113, MIC: 9711e20d) |
| 0:10:04.310343 | LOG | Server <-------------------- DUT |
| 0:10:04.310343 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4a7, FOpts: ), FPort: 00, FRMPayload: 050868e28c), MIC: 07e9b51f) |
| 0:10:04.310343 | LOG | PULL\_RESP: Protocol version = 02, Token = d81b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2172093726, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4Ap6QADtlJiy0H6bUf'}} |
| 0:10:04.310343 | LOG | Server --------------------> DUT |
| 0:10:04.310343 | LOG | TX\_ACK: 02 d81b 05 aa555a0000240409 |
| 0:10:09.170470 | LOG | PUSH\_ACK: 02 129a 01 |
| 0:10:09.172502 | LOG | PUSH\_DATA: Protocol version = 02, Token = 129a, Identifier = 00, JSON = {'rxpk': [{'tmst': 2175941703, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -44, 'size': 17, 'data': 'QO++rd6CfQEFB+Cl8E3x/fo='}]} |
| 0:10:09.172502 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 017d, FOpts: 0507), FPort: e0, FRMPayload: 0114, MIC: 4df1fdfa) |
| 0:10:09.172502 | LOG | Server <-------------------- DUT |
| 0:10:09.172502 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:10:09.172502 | LOG | Command Answer: 0507 |
| 0:10:09.180570 | LOG | Send ACK to DUT process starts |
| 0:10:09.180570 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4a8, FOpts: ), FPort: , FRMPayload: ), MIC: a264897a) |
| 0:10:09.180570 | LOG | PULL\_RESP: Protocol version = 02, Token = 97c4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2176941703, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AqKSiZIl6'}} |
| 0:10:09.180570 | LOG | Server --------------------> DUT |
| 0:10:09.180570 | LOG | Send ACK to DUT tested successfully |
| 0:10:09.180570 | LOG | MAC command communication completed |
| 0:10:09.190514 | LOG | Packet error rate (Confirmed) SF7BW125 process starts |
| 0:10:10.630940 | LOG | PULL\_DATA: 02 9568 02 aa555a0000240409 |
| 0:10:10.630940 | LOG | PULL\_ACK: 02 9568 04 |
| 0:10:13.966662 | LOG | PUSH\_ACK: 02 129b 01 |
| 0:10:13.968757 | LOG | PUSH\_DATA: Protocol version = 02, Token = 129b, Identifier = 00, JSON = {'rxpk': [{'tmst': 2180778791, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AfgHgnrWnP/BL'}]} |
| 0:10:13.968757 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 017e, FOpts: ), FPort: e0, FRMPayload: 0115, MIC: a73ff04b) |
| 0:10:13.968757 | LOG | Server <-------------------- DUT |
| 0:10:13.968757 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4a9, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7024dd9e) |
| 0:10:13.968757 | LOG | PULL\_RESP: Protocol version = 02, Token = 24c2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2181778791, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AqaTgfXXS0AkT60F+EVEen4+yHCBzC18Imw0L4w4kq7qNG6rkPm0Q+r/vZ866hrOQldE5zm3ez3c4kipcfCj+sDPYlxfKb7zF6l5mfAOUTX2QBkc7TXj3CKY3yb1GpwaRvGA4nTl53iqYcEblO8qcQ5rr4DQmA2JNVa1INgO0VxjgTyAyb4ElkpXB/pnOEpR3igqgJiaNxRq89tuGCyjQtL+BJszIT86519zNzS/BlY5Ml9ZFH4Mvh3xfxK/qP3UtrjbPIEAC+E4hLPKfh3CF7R46ZxNEm/lSgXXHCoe4k9bMmqKH4q1SDFz+TFOM5Aidv8xVgo9wJN2e'}} |
| 0:10:13.968757 | LOG | Server --------------------> DUT |
| 0:10:13.968757 | LOG | TX\_ACK: 02 24c2 05 aa555a0000240409 |
| 0:10:18.794606 | LOG | PUSH\_ACK: 02 129c 01 |
| 0:10:18.794606 | LOG | PUSH\_DATA: Protocol version = 02, Token = 129c, Identifier = 00, JSON = {'rxpk': [{'tmst': 2185621351, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6gfwHgZh3sIrmp'}]} |
| 0:10:18.794606 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 017f, FOpts: ), FPort: e0, FRMPayload: 0116, MIC: ec22b9a9) |
| 0:10:18.794606 | LOG | Server <-------------------- DUT |
| 0:10:18.794606 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4aa, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 82019843) |
| 0:10:18.794606 | LOG | PULL\_RESP: Protocol version = 02, Token = fdcf, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2186621351, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AqqTgdoP+pyfkRDnYyR4HFWm8N//nL5Sh0RWZOmhwdH1jHOReunxKLfjyugxaCwdErf5w3sXK4xHc25a4B3oO18InSh5m5H0TVA5VQ8TeNBB42gHa3FJW+KVU38CCeTK4jWSEXbcDplsxMgoxxPpZc6F4DcxTWOHr4YTCs3WcvWebXD2sxyo3M6fXyuFt6snnBBhuiqoe+eQAY3OvEBFz/zG+GNebbiCAbWg2EsTtD5MJeh5nYNOETzw5O3xMBkghXRhHYajAtUlUlDYVCmyyAE3pmDGOYvi3NzWiH+cFwSkAt1MitLkFOVosQDObh0o0PsGrwC6CAZhD'}} |
| 0:10:18.794606 | LOG | Server --------------------> DUT |
| 0:10:18.794606 | LOG | TX\_ACK: 02 fdcf 05 aa555a0000240409 |
| 0:10:20.844974 | LOG | PULL\_DATA: 02 fbd1 02 aa555a0000240409 |
| 0:10:20.844974 | LOG | PULL\_ACK: 02 fbd1 04 |
| 0:10:23.687613 | LOG | PUSH\_ACK: 02 129d 01 |
| 0:10:23.687613 | LOG | PUSH\_DATA: Protocol version = 02, Token = 129d, Identifier = 00, JSON = {'rxpk': [{'tmst': 2190464094, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -42, 'size': 15, 'data': 'QO++rd6ggAHgCPXYHasf'}]} |
| 0:10:23.687613 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0180, FOpts: ), FPort: e0, FRMPayload: 0117, MIC: d81dab1f) |
| 0:10:23.687613 | LOG | Server <-------------------- DUT |
| 0:10:23.687613 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4ab, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: bb3ae56e) |
| 0:10:23.687613 | LOG | PULL\_RESP: Protocol version = 02, Token = 661e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2191464094, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4Aq6TgFAQxzLs5pNCMUFRXThg6nN5nwDsm/Q0iMHNoXJnZPnXcuR/1kL9x6JyjZu7dc8ljFnnVEiTYX7wTbPWBk7IcDhurQ6iBgRF15MMh2eQCL/+kTbG+X6dWnKG0O+PkKhnBsXur802lyxncTQp+n2lmIgYOUXPOMh8tg7gbjvKBgpAiZW28Q8FTfzbJ7vPPWFtnCUD/2sdLrziemzTQeKi8/4IU7Io/TsqE4SjSBF5H/rh8RWHyA/3vNSvNGLze3spbBJRsqKfdtjS1DPS6kANo1W5lEz69x3vd5DD7EulDz2mUUZmqnyR69b3nBatQ3Eud3Z27OuVu'}} |
| 0:10:23.687613 | LOG | Server --------------------> DUT |
| 0:10:23.687613 | LOG | TX\_ACK: 02 661e 05 aa555a0000240409 |
| 0:10:28.520747 | LOG | PUSH\_ACK: 02 129e 01 |
| 0:10:28.520747 | LOG | PUSH\_DATA: Protocol version = 02, Token = 129e, Identifier = 00, JSON = {'rxpk': [{'tmst': 2195286468, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': -1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': 'OFF', 'lsnr': -11.8, 'rssi': -86, 'size': 145, 'data': 'HRU4SWBxz2bwmwv21v5INFeluBAot5NIcb2/jgxYRL2vx5vVdQaunpchcUjN7NwcSqSqRdGCvD0JLu0iXomYK1NPtRG4lv0grHpeC2iJC0rKf/iD2l1HUmJHeITZwi5IdFliPNTdl7zd24p1LX3ozXqH2RZHni1gtO2RtIQjJJJbRODNaI6Mfq+5m12LYtfqXA=='}, {'tmst': 2195347252, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ggQHg/HEtaJcT'}]} |
| 0:10:28.520747 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0181, FOpts: ), FPort: e0, FRMPayload: 0118, MIC: 2d689713) |
| 0:10:28.520747 | LOG | Server <-------------------- DUT |
| 0:10:28.520747 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4ac, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: bdf65846) |
| 0:10:28.520747 | LOG | PULL\_RESP: Protocol version = 02, Token = bdb7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2196347252, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4ArKTgDYKJaD43VwTlyQpM2ZApezciWxpvcIEF+1WtHVD98c10sh2+5wVqJrQwYNdab2ltm2OHUnfRUORpiz3C/B3OCfV7dSb1F8+sjOXTSa9YuUuVz88KpUY8PwDzton7CO7oeHZfAXHWIZXDDFw5Zk9ik+MfWUVuPN6aBZwKiXd8dRRnDV+LIMhFoEp/pSYgeqGgfdykcHXcNkL2wZDNenYnOyPL/6ZraFyAIbp2pcZv6SZRCiH1czX2b551Ca+s8u/KFTzyslF52wLj9Lc5vNxRWNhc+j4KKlK44Ur9yrpU2gXTuEBLnDgaKwmMdXJApllDxEe99lhG'}} |
| 0:10:28.520747 | LOG | Server --------------------> DUT |
| 0:10:28.520747 | LOG | TX\_ACK: 02 bdb7 05 aa555a0000240409 |
| 0:10:30.973295 | LOG | PULL\_DATA: 02 93b0 02 aa555a0000240409 |
| 0:10:30.973295 | LOG | PULL\_ACK: 02 93b0 04 |
| 0:10:33.403983 | LOG | PUSH\_ACK: 02 129f 01 |
| 0:10:33.403983 | LOG | PUSH\_DATA: Protocol version = 02, Token = 129f, Identifier = 00, JSON = {'rxpk': [{'tmst': 2200189852, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6gggHgnteWW9qf'}]} |
| 0:10:33.403983 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0182, FOpts: ), FPort: e0, FRMPayload: 0119, MIC: 965bda9f) |
| 0:10:33.403983 | LOG | Server <-------------------- DUT |
| 0:10:33.403983 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4ad, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c492a249) |
| 0:10:33.403983 | LOG | PULL\_RESP: Protocol version = 02, Token = 3615, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2201189852, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AraTghMD/oqgLZWc+0ju1/ujTyKx3K8Takg+ySeveRe5FS1PkFRpQDcx+9Z2ImOPUMqX55jvU+v61PIg7DTmWoJcMoO/VnQrmJdcsgEmKF1YJNJhys2zBtp6eJmPFqXIvD4m3SS6pSpDWOPvS9GdOHK27+Lkj9EieCXXW9SduXz7TfFWQhNwpB9nZd9BM4ji0x4S72D3h+MaKkQ8OUy5f6aGA0EC6vaCDmjNIWFTYWUN2/ehdbIjWwnbOJStJhc/tDXi7hpno3iz0IWRSDqaIIjUJyoeF5Q3KquLMWhOS7Gz+T8dtHSZuOy1acQIlAFEqTDOHiT3EkqJJ'}} |
| 0:10:33.403983 | LOG | Server --------------------> DUT |
| 0:10:33.403983 | LOG | TX\_ACK: 02 3615 05 aa555a0000240409 |
| 0:10:38.256026 | LOG | PUSH\_ACK: 02 12a1 01 |
| 0:10:38.258087 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12a1, Identifier = 00, JSON = {'rxpk': [{'tmst': 2205032621, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6ggwHgtxLYdkMy'}]} |
| 0:10:38.258087 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0183, FOpts: ), FPort: e0, FRMPayload: 011a, MIC: d8764332) |
| 0:10:38.258087 | LOG | Server <-------------------- DUT |
| 0:10:38.258087 | LOG | Number of downlinks: 5 |
| 0:10:38.266128 | LOG | Number of errors: 0 |
| 0:10:38.266128 | LOG | Packet Error Rate (%): 0.0 |
| 0:10:38.266128 | LOG | Packet error rate SF7BW125 process tested successfully |
| 0:10:38.266128 | LOG | Send LinkADRReq process starts |
| 0:10:41.167865 | LOG | PULL\_DATA: 02 a0a5 02 aa555a0000240409 |
| 0:10:41.167865 | LOG | PULL\_ACK: 02 a0a5 04 |
| 0:10:43.066893 | LOG | PUSH\_ACK: 02 12a2 01 |
| 0:10:43.069016 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12a2, Identifier = 00, JSON = {'rxpk': [{'tmst': 2209875181, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AhAHgMS+bsrC5'}]} |
| 0:10:43.069016 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0184, FOpts: ), FPort: e0, FRMPayload: 011a, MIC: 9bb2b0b9) |
| 0:10:43.069016 | LOG | Server <-------------------- DUT |
| 0:10:43.069016 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4ae, FOpts: ), FPort: 00, FRMPayload: 0335ff0001), MIC: 47dad0d9) |
| 0:10:43.069016 | LOG | PULL\_RESP: Protocol version = 02, Token = 4aaa, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2210875181, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4ArqQAdYVa/ztH2tDZ'}} |
| 0:10:43.069016 | LOG | Server --------------------> DUT |
| 0:10:43.069016 | LOG | TX\_ACK: 02 4aaa 05 aa555a0000240409 |
| 0:10:47.898162 | LOG | PUSH\_ACK: 02 12a3 01 |
| 0:10:47.900287 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12a3, Identifier = 00, JSON = {'rxpk': [{'tmst': 2214723293, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -45, 'size': 17, 'data': 'QO++rd6ChQEDB+DenWOt3/Y='}]} |
| 0:10:47.900287 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0185, FOpts: 0307), FPort: e0, FRMPayload: 011b, MIC: 63addff6) |
| 0:10:47.900287 | LOG | Server <-------------------- DUT |
| 0:10:47.900287 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:10:47.900287 | LOG | Command Answer: 0307 |
| 0:10:47.900287 | LOG | MAC command communication completed |
| 0:10:47.908357 | LOG | Send RXParamSetupReq process starts |
| 0:10:51.267599 | LOG | PULL\_DATA: 02 08bc 02 aa555a0000240409 |
| 0:10:51.267599 | LOG | PULL\_ACK: 02 08bc 04 |
| 0:10:52.717746 | LOG | PUSH\_ACK: 02 12a4 01 |
| 0:10:52.717746 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12a4, Identifier = 00, JSON = {'rxpk': [{'tmst': 2219560380, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AhgHgN/Cy8f4E'}]} |
| 0:10:52.717746 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0186, FOpts: ), FPort: e0, FRMPayload: 011b, MIC: b2f1fe04) |
| 0:10:52.717746 | LOG | Server <-------------------- DUT |
| 0:10:52.717746 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4af, FOpts: ), FPort: 00, FRMPayload: 051868e28c), MIC: 35c54131) |
| 0:10:52.717746 | LOG | PULL\_RESP: Protocol version = 02, Token = a4f3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2220560380, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4Ar6QAJbTJLSk1xUEx'}} |
| 0:10:52.717746 | LOG | Server --------------------> DUT |
| 0:10:52.717746 | LOG | TX\_ACK: 02 a4f3 05 aa555a0000240409 |
| 0:10:57.595010 | LOG | PUSH\_ACK: 02 12a5 01 |
| 0:10:57.597067 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12a5, Identifier = 00, JSON = {'rxpk': [{'tmst': 2224408443, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -46, 'size': 17, 'data': 'QO++rd6ChwEFB+AlIN2c8Yg='}]} |
| 0:10:57.597067 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0187, FOpts: 0507), FPort: e0, FRMPayload: 011c, MIC: dd9cf188) |
| 0:10:57.597067 | LOG | Server <-------------------- DUT |
| 0:10:57.597067 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:10:57.597067 | LOG | Command Answer: 0507 |
| 0:10:57.605120 | LOG | Send ACK to DUT process starts |
| 0:10:57.605120 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4b0, FOpts: ), FPort: , FRMPayload: ), MIC: 35a90547) |
| 0:10:57.605120 | LOG | PULL\_RESP: Protocol version = 02, Token = 927f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2225408443, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AsKQ1qQVH'}} |
| 0:10:57.605120 | LOG | Server --------------------> DUT |
| 0:10:57.605120 | LOG | Send ACK to DUT tested successfully |
| 0:10:57.605120 | LOG | MAC command communication completed |
| 0:10:57.615083 | LOG | Packet error rate (Confirmed) SF7BW125 process starts |
| 0:11:01.291966 | LOG | PULL\_DATA: 02 7484 02 aa555a0000240409 |
| 0:11:01.291966 | LOG | PULL\_ACK: 02 7484 04 |
| 0:11:02.414303 | LOG | PUSH\_ACK: 02 12a6 01 |
| 0:11:02.416428 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12a6, Identifier = 00, JSON = {'rxpk': [{'tmst': 2229245529, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AiAHgP6prJQUn'}]} |
| 0:11:02.416428 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0188, FOpts: ), FPort: e0, FRMPayload: 011d, MIC: 6b250527) |
| 0:11:02.416428 | LOG | Server <-------------------- DUT |
| 0:11:02.416428 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4b1, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fe6e0946) |
| 0:11:02.416428 | LOG | PULL\_RESP: Protocol version = 02, Token = 2467, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2230245529, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AsaTgyTcvteXcNu/lDvojk1Ixj2ZkfD4K95vHroPSdHepd9B85Wq3RMBqnxPTTjkXDS9PFpbcItNIGkG6UTnLA1CcnYOkE7zpJdxSj8+Ff9IOl/EWDBJJZNnPQbjJy/1Y9djpWHLC9CerRNV4fm4V8z3sXJSF3UsZRkNZSXlEew/eeBqa//t0/kWJfUNWL5XwBVHJJRgjyBZSBQPa7TCce4fiVtNiSjU6eL9yBNrHCvTU+oIDEHwWYlra+x2Lzlmw5ucOP8nzkJTGxqqwyzUAaCiMrTLZQcxoSkIgD8CMS/D0vqpQJUP5ZZOvgZZUnHa/KYe6IYD+bglG'}} |
| 0:11:02.416428 | LOG | Server --------------------> DUT |
| 0:11:02.416428 | LOG | TX\_ACK: 02 2467 05 aa555a0000240409 |
| 0:11:07.296614 | LOG | PUSH\_ACK: 02 12a8 01 |
| 0:11:07.296614 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12a8, Identifier = 00, JSON = {'rxpk': [{'tmst': 2234128681, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -44, 'size': 15, 'data': 'QO++rd6giQHgI4NMzhXQ'}]} |
| 0:11:07.296614 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0189, FOpts: ), FPort: e0, FRMPayload: 011e, MIC: 4cce15d0) |
| 0:11:07.296614 | LOG | Server <-------------------- DUT |
| 0:11:07.296614 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4b2, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: aad10999) |
| 0:11:07.296614 | LOG | PULL\_RESP: Protocol version = 02, Token = b1c3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2235128681, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AsqTgO5iJx6Z9XBFWPZ16RF/LJAuE9eNfbCkslbheC6HW1iCA0oam3HAfpAYpGc48eC6g/EFrtEMvhgNx0Czc9I+HQoowMBpbyuJUTlnW1MPdrARGHGYzhae8TdnydkXkDzd5awBCAoLhDXfsUnS7DC6X3jN1jiUsQ16uutLo00pzeuKw8zZXCE4muERht3mv/lZ+38tHXD8vgLozCy74ljcXB2XwTn1aDdVx8HGOQXBJgDUxrot1HUSau+H66vb08xF185v/hMye7SKMlYlkSXIZ80DFskFz/k3t34snSiIz1y+RdVIGWbaQxu8wXILrpVRD2ZGq0QmZ'}} |
| 0:11:07.296614 | LOG | Server --------------------> DUT |
| 0:11:07.296614 | LOG | TX\_ACK: 02 b1c3 05 aa555a0000240409 |
| 0:11:11.410366 | LOG | PULL\_DATA: 02 9baf 02 aa555a0000240409 |
| 0:11:11.410366 | LOG | PULL\_ACK: 02 9baf 04 |
| 0:11:12.170956 | LOG | PUSH\_ACK: 02 12a9 01 |
| 0:11:12.173077 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12a9, Identifier = 00, JSON = {'rxpk': [{'tmst': 2238971265, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6gigHg8uTCAXdj'}]} |
| 0:11:12.173077 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 018a, FOpts: ), FPort: e0, FRMPayload: 011f, MIC: c2017763) |
| 0:11:12.173077 | LOG | Server <-------------------- DUT |
| 0:11:12.173077 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4b3, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: cbec76e2) |
| 0:11:12.173077 | LOG | PULL\_RESP: Protocol version = 02, Token = a907, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2239971265, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4As6TgN1pWlqJA/zt0Gicieam8wqoI/T5IC6zXIEVAgb8DVqvu83wcx6U8F2wbfOJZxHFuZAp0x/wfwYDafJSYYqOc/g8NrliXqgdnxU2MzrxT4YLp9qlIgKVWWjyaHof+AQtDgda24P4g91/TJh1vZeMa0E11K1440F5C8uquPeXKDMTtp2AQzAfuPfyo19ALN6YcdKl3ryjxE9yCMgyfME6/7JMkBa1uGPRuxc7Vzv7FjwqRgpYpEYZWorsgWUOblqu5crMkglgTJishGhQ+dyYOZmF5LQ8JbTCmVYNhh4Ju2fv7Ll//YNZv8LDHETpBmW32KznL7Hbi'}} |
| 0:11:12.173077 | LOG | Server --------------------> DUT |
| 0:11:12.173077 | LOG | TX\_ACK: 02 a907 05 aa555a0000240409 |
| 0:11:17.018018 | LOG | PUSH\_ACK: 02 12aa 01 |
| 0:11:17.018018 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12aa, Identifier = 00, JSON = {'rxpk': [{'tmst': 2243813874, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6giwHg/CrXSpvS'}]} |
| 0:11:17.018018 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 018b, FOpts: ), FPort: e0, FRMPayload: 0120, MIC: d74a9bd2) |
| 0:11:17.018018 | LOG | Server <-------------------- DUT |
| 0:11:17.018018 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4b4, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3866b185) |
| 0:11:17.018018 | LOG | PULL\_RESP: Protocol version = 02, Token = 0c9a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2244813874, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AtKTg0U/fvvxSjJwq/ID6ol1rll34wfPi0DBv/4XpLagixqWigiSrnbTM61AieGSUybcKZTgp5BlyRDrzV9ZYRMNzys+cgYdJgSK5q0CbkEVohTMJXpZMb229XYRY50fGm3KqYYaHCCZOLv42YTaJat1pDwK6gNTzbUoUPdNh6z59haNxhrBtOFFApTJr+4tr3L6MYL3tt6IUJi1E5Ef3pXrzdfw/zxYqcfqfSCnDEJIb6ZUTUHtnYs4a7q8gAsHMhgaolS39N63Q8aFYpIKvMM82NkYNvdab2Kc7vciuoLgqNu78AnZ7Pay82/nDQvUnMAUIm3U4ZrGF'}} |
| 0:11:17.018018 | LOG | Server --------------------> DUT |
| 0:11:17.018018 | LOG | TX\_ACK: 02 0c9a 05 aa555a0000240409 |
| 0:11:21.538439 | LOG | PULL\_DATA: 02 dbcd 02 aa555a0000240409 |
| 0:11:21.538439 | LOG | PULL\_ACK: 02 dbcd 04 |
| 0:11:21.869898 | LOG | PUSH\_ACK: 02 12ab 01 |
| 0:11:21.871946 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12ab, Identifier = 00, JSON = {'rxpk': [{'tmst': 2248656544, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6gjAHgh8/Y1lZp'}]} |
| 0:11:21.871946 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 018c, FOpts: ), FPort: e0, FRMPayload: 0121, MIC: d8d65669) |
| 0:11:21.871946 | LOG | Server <-------------------- DUT |
| 0:11:21.871946 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4b5, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5b95143b) |
| 0:11:21.871946 | LOG | PULL\_RESP: Protocol version = 02, Token = 0e70, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2249656544, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AtaTgzBXtZmk3uQCo04bPt3nhrp7JRpyirjeeYluj6QhsJEYo/kdrWDVtsbfFSdDjJ0oSUMtossAv/8Oc9ib5YFJa8gRtAlyaV+vFteeN/MJtZ494VJApBoDM78Bubceu5QpIWZcVj2el1Tw8HDLbLyxWxdLluu9U38U+7ENkgGB/o0GJO9whdaQEWd96PafyU8IR/Rb0FGEw+iRRshAhE2L1ZB29ttb+pnw32ICeY7rEc6MFTWQfOumxLnZKqLCLNPk20R4xktmhpmh6B9siYNNUSjNz8nEn3DVgEu7Ajc6fEv458Laknx4q4BsFHu5x95PWXYpblRQ7'}} |
| 0:11:21.871946 | LOG | Server --------------------> DUT |
| 0:11:21.871946 | LOG | TX\_ACK: 02 0e70 05 aa555a0000240409 |
| 0:11:26.688989 | LOG | PUSH\_ACK: 02 12ac 01 |
| 0:11:26.691062 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12ac, Identifier = 00, JSON = {'rxpk': [{'tmst': 2253499169, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6gjQHg0WDMN1c0'}]} |
| 0:11:26.691062 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 018d, FOpts: ), FPort: e0, FRMPayload: 0122, MIC: cc375734) |
| 0:11:26.691062 | LOG | Server <-------------------- DUT |
| 0:11:26.691062 | LOG | Number of downlinks: 5 |
| 0:11:26.699122 | LOG | Number of errors: 0 |
| 0:11:26.699122 | LOG | Packet Error Rate (%): 0.0 |
| 0:11:26.699122 | LOG | Packet error rate SF7BW125 process tested successfully |
| 0:11:26.699122 | LOG | Send LinkADRReq process starts |
| 0:11:31.520156 | LOG | PUSH\_ACK: 02 12ad 01 |
| 0:11:31.520156 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12ad, Identifier = 00, JSON = {'rxpk': [{'tmst': 2258341785, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AjgHg4SmR/Fxy'}]} |
| 0:11:31.520156 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 018e, FOpts: ), FPort: e0, FRMPayload: 0122, MIC: 91fc5c72) |
| 0:11:31.520156 | LOG | Server <-------------------- DUT |
| 0:11:31.520156 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4b6, FOpts: ), FPort: 00, FRMPayload: 0335ff0001), MIC: 997bffe4) |
| 0:11:31.520156 | LOG | PULL\_RESP: Protocol version = 02, Token = c99e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2259341785, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AtqQATuQE37WZe//k'}} |
| 0:11:31.520156 | LOG | Server --------------------> DUT |
| 0:11:31.520156 | LOG | TX\_ACK: 02 c99e 05 aa555a0000240409 |
| 0:11:31.730156 | LOG | PULL\_DATA: 02 84ec 02 aa555a0000240409 |
| 0:11:31.730156 | LOG | PULL\_ACK: 02 84ec 04 |
| 0:11:36.386215 | LOG | PUSH\_ACK: 02 12af 01 |
| 0:11:36.388257 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12af, Identifier = 00, JSON = {'rxpk': [{'tmst': 2263189784, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -44, 'size': 17, 'data': 'QO++rd6CjwEDB+Coj0srL60='}]} |
| 0:11:36.388257 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 018f, FOpts: 0307), FPort: e0, FRMPayload: 0123, MIC: 4b2b2fad) |
| 0:11:36.388257 | LOG | Server <-------------------- DUT |
| 0:11:36.388257 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:11:36.388257 | LOG | Command Answer: 0307 |
| 0:11:36.388257 | LOG | MAC command communication completed |
| 0:11:36.396336 | LOG | Send RXParamSetupReq process starts |
| 0:11:41.224542 | LOG | PUSH\_ACK: 02 12b0 01 |
| 0:11:41.226591 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12b0, Identifier = 00, JSON = {'rxpk': [{'tmst': 2268027056, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AkAHgWsemim7+'}]} |
| 0:11:41.226591 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0190, FOpts: ), FPort: e0, FRMPayload: 0123, MIC: a68a6efe) |
| 0:11:41.226591 | LOG | Server <-------------------- DUT |
| 0:11:41.226591 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4b7, FOpts: ), FPort: 00, FRMPayload: 052868e28c), MIC: e280cf18) |
| 0:11:41.226591 | LOG | PULL\_RESP: Protocol version = 02, Token = 4e01, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2269027056, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4At6QAKH2smBrigM8Y'}} |
| 0:11:41.226591 | LOG | Server --------------------> DUT |
| 0:11:41.226591 | LOG | TX\_ACK: 02 4e01 05 aa555a0000240409 |
| 0:11:41.854625 | LOG | PULL\_DATA: 02 7c1e 02 aa555a0000240409 |
| 0:11:41.854625 | LOG | PULL\_ACK: 02 7c1e 04 |
| 0:11:46.072428 | LOG | PUSH\_ACK: 02 12b1 01 |
| 0:11:46.072428 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12b1, Identifier = 00, JSON = {'rxpk': [{'tmst': 2272915615, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -44, 'size': 17, 'data': 'QO++rd6CkQEFB+AaraRmRzA='}]} |
| 0:11:46.072428 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0191, FOpts: 0507), FPort: e0, FRMPayload: 0124, MIC: a4664730) |
| 0:11:46.072428 | LOG | Server <-------------------- DUT |
| 0:11:46.072428 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:11:46.072428 | LOG | Command Answer: 0507 |
| 0:11:46.082382 | LOG | Send ACK to DUT process starts |
| 0:11:46.082382 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4b8, FOpts: ), FPort: , FRMPayload: ), MIC: 6ed10f72) |
| 0:11:46.082382 | LOG | PULL\_RESP: Protocol version = 02, Token = e703, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2273915615, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AuKRu0Q9y'}} |
| 0:11:46.082382 | LOG | Server --------------------> DUT |
| 0:11:46.082382 | LOG | Send ACK to DUT tested successfully |
| 0:11:46.092382 | LOG | MAC command communication completed |
| 0:11:46.092382 | LOG | Packet error rate (Confirmed) SF7BW125 process starts |
| 0:11:50.992277 | LOG | PUSH\_ACK: 02 12b2 01 |
| 0:11:50.992277 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12b2, Identifier = 00, JSON = {'rxpk': [{'tmst': 2277752694, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AkgHgomnYAy4t'}]} |
| 0:11:50.992277 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0192, FOpts: ), FPort: e0, FRMPayload: 0125, MIC: d8032e2d) |
| 0:11:50.992277 | LOG | Server <-------------------- DUT |
| 0:11:50.992277 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4b9, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c82691a8) |
| 0:11:50.992277 | LOG | PULL\_RESP: Protocol version = 02, Token = b257, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2278752694, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AuaTg1RScR1suIemUEcjSrCWzwDAjYA7nDq/lZcGLA69JpWOMGGsFVCGRmabHuWESOjSpxG9C/uDMn9lpS4BRqsC9UgJ+0bf/F92fv9tP41cFef7QVDIoOZx84z6Av08dYcuiOwRHzi1GTjghrfrCaL/nZpQyg5QzhYyy+b/qDKsuepXasrDj5AVJKiYG8XFA/cb23hUt3jyVKen6dY/uho3E5KV2fOP0Ztwgd4L2GYRIeueFqEAPm32g7ubyvVQpY4BF7/Ju7vvBMHNB2zdItKh1hnieccw6ekiCpb7w/NhRBpgXJJdjHWO8Fjl78sXUbrgKlF7IJpGo'}} |
| 0:11:50.992277 | LOG | Server --------------------> DUT |
| 0:11:50.992277 | LOG | TX\_ACK: 02 b257 05 aa555a0000240409 |
| 0:11:52.020633 | LOG | PULL\_DATA: 02 352c 02 aa555a0000240409 |
| 0:11:52.020633 | LOG | PULL\_ACK: 02 352c 04 |
| 0:11:55.791816 | LOG | PUSH\_ACK: 02 12b3 01 |
| 0:11:55.791816 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12b3, Identifier = 00, JSON = {'rxpk': [{'tmst': 2282595272, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -44, 'size': 15, 'data': 'QO++rd6gkwHgSYYIORHa'}]} |
| 0:11:55.791816 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0193, FOpts: ), FPort: e0, FRMPayload: 0126, MIC: 083911da) |
| 0:11:55.791816 | LOG | Server <-------------------- DUT |
| 0:11:55.791816 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4ba, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 43eff356) |
| 0:11:55.791816 | LOG | PULL\_RESP: Protocol version = 02, Token = 8514, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2283595272, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AuqTgIK8VtFomZJCka+JokVWljf8Ijdww0/T7XID8kpnxeRSFKh3GOtivAiaKT+ml6H3qZ8AWY3zs7fsnVWBdGoLfbWrwh7rqlZYBu27KPd6/Mk/CRQOeBGC5+NLUw4F4bSzyHBPNaKxRzUSn8bgNH8kQCDYWDcz6dj8usDshoWADrl3vKMxLkPvujGOZIQrlhyxcEPyzIcWqiPryZbLJstFXmfWgty3YF6ZadtqFZuFn3pBY9v4QzeIY74h8tJ5jT7OCU9jVAr9SVBJR2elP2llKGukmKowyEqYMc0WlSbDSnpKSM4niuhW2uidWFtwILEk7AuND7/NW'}} |
| 0:11:55.791816 | LOG | Server --------------------> DUT |
| 0:11:55.791816 | LOG | TX\_ACK: 02 8514 05 aa555a0000240409 |
| 0:12:00.590201 | LOG | PUSH\_ACK: 02 12b4 01 |
| 0:12:00.590201 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12b4, Identifier = 00, JSON = {'rxpk': [{'tmst': 2287437854, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6glAHgNDdUKjAn'}]} |
| 0:12:00.590201 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0194, FOpts: ), FPort: e0, FRMPayload: 0127, MIC: 542a3027) |
| 0:12:00.590201 | LOG | Server <-------------------- DUT |
| 0:12:00.590201 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4bb, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 65eed21c) |
| 0:12:00.590201 | LOG | PULL\_RESP: Protocol version = 02, Token = d6e5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2288437854, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4Au6TgtEGWzhOhc4C6xOkKGVt5I1WR3b1CAFTV3a08q1l2AcdioKiqQb7087BF5PZS7QnBklGN2o258907RcVf05ith6LN3ECpsWe+XNHcuUkbjtYd/QjVUgwaRidpWj+/NEkChuevC5y4kAKhWng/joqUVmkUpglMp5GjmPnrzSixeXiiNdbPPR+W5JsAkdm5qUyMqIbevibtufB0Wpg6mDu6qUYarZ7EQJNs1v1wXk7QFrthyAYgXoYI5HP+xAKCAiZ+MWN42PkxPRqx1MURihDF6WqqRqSgM0Fplwgn+4D3ajIluzyIGl3+povIKhdRhAmQHeFl7tIc'}} |
| 0:12:00.590201 | LOG | Server --------------------> DUT |
| 0:12:00.590201 | LOG | TX\_ACK: 02 d6e5 05 aa555a0000240409 |
| 0:12:02.048559 | LOG | PULL\_DATA: 02 000c 02 aa555a0000240409 |
| 0:12:02.048559 | LOG | PULL\_ACK: 02 000c 04 |
| 0:12:05.458104 | LOG | PUSH\_ACK: 02 12b6 01 |
| 0:12:05.458104 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12b6, Identifier = 00, JSON = {'rxpk': [{'tmst': 2292280630, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6glQHg77nXveTd'}]} |
| 0:12:05.458104 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0195, FOpts: ), FPort: e0, FRMPayload: 0128, MIC: d7bde4dd) |
| 0:12:05.458104 | LOG | Server <-------------------- DUT |
| 0:12:05.458104 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4bc, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3f25aa19) |
| 0:12:05.458104 | LOG | PULL\_RESP: Protocol version = 02, Token = ec1b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2293280630, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AvKTg4PJYfhiudlMjzPSMTYojpequS0NQX6g0Hdo3CQq1W1x+qw0gFjM/0Y+UKlMJKZc9pMvDLgPOKW5gioRx/KIbKhxMQbVqGyOw/syAwmQCuv16EM6RRtQV2XI584Mj42QVBOfHX7+TRF4DiZr+Tf9K6pTewcM7YNKyOqGzHgIqfG1MjJpXdRFZVj6BI6kvv7HwPAw0MPnkH3lJ/DBEbWiwXHBCi593aCGJAaFfb8srd4EMllurFP9mhmZPbapkbMjMzduIbf0VjlTc2sa1bpev5lOXCDpeJl/JZWk7X+aRbsa+GS3GzJKZZyppSpGm7wkmEGg/JaoZ'}} |
| 0:12:05.458104 | LOG | Server --------------------> DUT |
| 0:12:05.458104 | LOG | TX\_ACK: 02 ec1b 05 aa555a0000240409 |
| 0:12:10.280160 | LOG | PUSH\_ACK: 02 12b7 01 |
| 0:12:10.282191 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12b7, Identifier = 00, JSON = {'rxpk': [{'tmst': 2297123156, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6glgHgg4wEIagX'}]} |
| 0:12:10.282191 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0196, FOpts: ), FPort: e0, FRMPayload: 0129, MIC: 0421a817) |
| 0:12:10.282191 | LOG | Server <-------------------- DUT |
| 0:12:10.282191 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4bd, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 2badd6cf) |
| 0:12:10.282191 | LOG | PULL\_RESP: Protocol version = 02, Token = 7152, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2298123156, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AvaTgyE1kGKIGNIB+kAKOc20cSclt18kiFOnvS6GSZwBtnzLo+M7ENnQ4iz0MOIT/LaKHsXBP/obhwLJbHwzBsISalcMMertaiYq1jYblpxmHBeqzaJJlzFViIm3W7bM+MeC7udCj2ddXSFdXcPoAz4yTUtpiyV4pSchX7l0Q+7J4KNsGoj6eJVMVCDuKOd0lfOxoDSxujzZYumbY7FtQJc9fjSvbT24WPgU0FSyfQq61dLUHy1qI0YeUjWlC0f5wxGQaPotNu7fTBXjXbGwpuXtB7FyqQgktSn+kVu2SMrAF+yTN7QDMDFpF2ZGdkia2L8djkT4rrdbP'}} |
| 0:12:10.282191 | LOG | Server --------------------> DUT |
| 0:12:10.282191 | LOG | TX\_ACK: 02 7152 05 aa555a0000240409 |
| 0:12:12.140515 | LOG | PULL\_DATA: 02 40ce 02 aa555a0000240409 |
| 0:12:12.140515 | LOG | PULL\_ACK: 02 40ce 04 |
| 0:12:15.143067 | LOG | PUSH\_ACK: 02 12b8 01 |
| 0:12:15.143067 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12b8, Identifier = 00, JSON = {'rxpk': [{'tmst': 2301965836, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6glwHghwf/yJfT'}]} |
| 0:12:15.143067 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 0197, FOpts: ), FPort: e0, FRMPayload: 012a, MIC: ffc897d3) |
| 0:12:15.143067 | LOG | Server <-------------------- DUT |
| 0:12:15.151118 | LOG | Number of downlinks: 5 |
| 0:12:15.151118 | LOG | Number of errors: 0 |
| 0:12:15.151118 | LOG | Packet Error Rate (%): 0.0 |
| 0:12:15.151118 | LOG | Packet error rate SF7BW125 process tested successfully |
| 0:12:15.151118 | LOG | Send LinkADRReq process starts |
| 0:12:19.972722 | LOG | PUSH\_ACK: 02 12b9 01 |
| 0:12:19.972722 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12b9, Identifier = 00, JSON = {'rxpk': [{'tmst': 2306808421, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AmAHg9iS97ICj'}]} |
| 0:12:19.972722 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0198, FOpts: ), FPort: e0, FRMPayload: 012a, MIC: bdec80a3) |
| 0:12:19.972722 | LOG | Server <-------------------- DUT |
| 0:12:19.972722 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4be, FOpts: ), FPort: 00, FRMPayload: 0335ff0001), MIC: 4f70fd97) |
| 0:12:19.972722 | LOG | PULL\_RESP: Protocol version = 02, Token = aedb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2307808421, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AvqQANc3kIRhPcP2X'}} |
| 0:12:19.972722 | LOG | Server --------------------> DUT |
| 0:12:19.972722 | LOG | TX\_ACK: 02 aedb 05 aa555a0000240409 |
| 0:12:22.241876 | LOG | PULL\_DATA: 02 1617 02 aa555a0000240409 |
| 0:12:22.241876 | LOG | PULL\_ACK: 02 1617 04 |
| 0:12:24.879848 | LOG | PUSH\_ACK: 02 12ba 01 |
| 0:12:24.879848 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12ba, Identifier = 00, JSON = {'rxpk': [{'tmst': 2311697083, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -41, 'size': 17, 'data': 'QO++rd6CmQEDB+C1bwT0L7Q='}]} |
| 0:12:24.879848 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0199, FOpts: 0307), FPort: e0, FRMPayload: 012b, MIC: 04f42fb4) |
| 0:12:24.879848 | LOG | Server <-------------------- DUT |
| 0:12:24.879848 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:12:24.879848 | LOG | Command Answer: 0307 |
| 0:12:24.886838 | LOG | MAC command communication completed |
| 0:12:24.886838 | LOG | Send RXParamSetupReq process starts |
| 0:12:29.690617 | LOG | PUSH\_ACK: 02 12bb 01 |
| 0:12:29.692632 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12bb, Identifier = 00, JSON = {'rxpk': [{'tmst': 2316534163, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AmgHgKSJAUIqn'}]} |
| 0:12:29.692632 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 019a, FOpts: ), FPort: e0, FRMPayload: 012b, MIC: 40508aa7) |
| 0:12:29.692632 | LOG | Server <-------------------- DUT |
| 0:12:29.692632 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4bf, FOpts: ), FPort: 00, FRMPayload: 053868e28c), MIC: 1cbfe7c4) |
| 0:12:29.692632 | LOG | PULL\_RESP: Protocol version = 02, Token = 5090, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2317534163, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4Av6QAYfvdzeAcv+fE'}} |
| 0:12:29.692632 | LOG | Server --------------------> DUT |
| 0:12:29.692632 | LOG | TX\_ACK: 02 5090 05 aa555a0000240409 |
| 0:12:32.347279 | LOG | PULL\_DATA: 02 756e 02 aa555a0000240409 |
| 0:12:32.347279 | LOG | PULL\_ACK: 02 756e 04 |
| 0:12:34.535366 | LOG | PUSH\_ACK: 02 12bd 01 |
| 0:12:34.537427 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12bd, Identifier = 00, JSON = {'rxpk': [{'tmst': 2321382354, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -45, 'size': 17, 'data': 'QO++rd6CmwEFB+An2mAAKSM='}]} |
| 0:12:34.537427 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 019b, FOpts: 0507), FPort: e0, FRMPayload: 012c, MIC: 60002923) |
| 0:12:34.537427 | LOG | Server <-------------------- DUT |
| 0:12:34.537427 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:12:34.537427 | LOG | Command Answer: 0507 |
| 0:12:34.545485 | LOG | Send ACK to DUT process starts |
| 0:12:34.545485 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4c0, FOpts: ), FPort: , FRMPayload: ), MIC: 1fd21af4) |
| 0:12:34.545485 | LOG | PULL\_RESP: Protocol version = 02, Token = 75a0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2322382354, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AwKQf0hr0'}} |
| 0:12:34.545485 | LOG | Server --------------------> DUT |
| 0:12:34.545485 | LOG | Send ACK to DUT tested successfully |
| 0:12:34.555463 | LOG | MAC command communication completed |
| 0:12:34.555463 | LOG | Packet error rate (Confirmed) SF7BW125 process starts |
| 0:12:39.374526 | LOG | PUSH\_ACK: 02 12be 01 |
| 0:12:39.374526 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12be, Identifier = 00, JSON = {'rxpk': [{'tmst': 2326219473, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AnAHgPnLdWVRa'}]} |
| 0:12:39.374526 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 019c, FOpts: ), FPort: e0, FRMPayload: 012d, MIC: dd59545a) |
| 0:12:39.374526 | LOG | Server <-------------------- DUT |
| 0:12:39.374526 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4c1, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 338aff5a) |
| 0:12:39.374526 | LOG | PULL\_RESP: Protocol version = 02, Token = b811, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2327219473, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AwaTghtPf3vAttBJpoXqgTajFelYrSVZQ5L3nJZJ15//HnnARl09OTm8OIfkO1efaS8dJh3cKo98H3sJzKEHWLWWNGrAhK1oHJfGxOoVJAlQ9lhBpeCzOWhzeExZbv/GEdawocS2GxSllDy7/qrxXDILRuea+gAtAmsI6EkNiVk6iqQb7GF8q2SiUtzGcEb+S5ELCXlBYasQYslBv1SMdAeIi7Ozlp9yYcDNshYdATI7NNA5C7F0Ewrj4aK4JgP5km55IrQYBkrZn7KlTLCx1xTNMzBfNCoZOP8D5lHLRmYovNGC4FL1Lt+uWOW2jtfsF9AByak4ziv9a'}} |
| 0:12:39.374526 | LOG | Server --------------------> DUT |
| 0:12:39.374526 | LOG | TX\_ACK: 02 b811 05 aa555a0000240409 |
| 0:12:42.451975 | LOG | PULL\_DATA: 02 bbdc 02 aa555a0000240409 |
| 0:12:42.451975 | LOG | PULL\_ACK: 02 bbdc 04 |
| 0:12:44.261281 | LOG | PUSH\_ACK: 02 12bf 01 |
| 0:12:44.263342 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12bf, Identifier = 00, JSON = {'rxpk': [{'tmst': 2331062056, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6gnQHgoeY9s/LJ'}]} |
| 0:12:44.263342 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 019d, FOpts: ), FPort: e0, FRMPayload: 012e, MIC: 3db3f2c9) |
| 0:12:44.263342 | LOG | Server <-------------------- DUT |
| 0:12:44.263342 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4c2, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7bd1cc65) |
| 0:12:44.263342 | LOG | PULL\_RESP: Protocol version = 02, Token = cd9c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2332062056, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AwqTgedyD7DHc7Go2uqno2NC6JIQ5iVgqUJQrE6tShwSKKyOuAg6V4SEhs1ntg23RBTa9KVMmbbzb5XPXnO9BPpuX5IDMqZe42LsuhmRMvT3LsPZ4P2tyiBtIaFNMH+lu7I1fM4RFts/BLbPoL8nuUapS01/rtdCMeE0HH8iHTQkw5VFR6ocrA+u0qeArEKC9S920CCwz6RX5330eDKThC8uBzXQBgz5roKn4n2AXyxjp5wtE8NH/uayeoLJXbZmdSDIPnFcAbolX2HDGY2hYjUP9FeElBRa6puNg3gHLTw/PxMqsID8lCqku/yelQdCTNzH4T/F70cxl'}} |
| 0:12:44.263342 | LOG | Server --------------------> DUT |
| 0:12:44.263342 | LOG | TX\_ACK: 02 cd9c 05 aa555a0000240409 |
| 0:12:49.086860 | LOG | PUSH\_ACK: 02 12c0 01 |
| 0:12:49.088909 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12c0, Identifier = 00, JSON = {'rxpk': [{'tmst': 2335904689, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6gngHgxZc1IXRm'}]} |
| 0:12:49.088909 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 019e, FOpts: ), FPort: e0, FRMPayload: 012f, MIC: 35217466) |
| 0:12:49.088909 | LOG | Server <-------------------- DUT |
| 0:12:49.088909 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4c3, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5e771756) |
| 0:12:49.088909 | LOG | PULL\_RESP: Protocol version = 02, Token = 5e28, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2336904689, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4Aw6TgmnDpnQF8n0sAFL7QlKfwt/KMJXMmZ/en7t7KABo1FFowmQ52EE2JYY/7YEUpYSNT7CptJ/gJPtfeoI6cu5UshP874uEWhwgKiqPu0s4b4xqiRA3KoR+xTZqessywbWZ7IakfBqWTQ8aZQR5vAZtUPlLZ8o1h5eR1MKyoPx1pyW77/h0qq7tond4Cp8EfbJ3L4BrHTTVn/TMpTQWcqcM8KLy5OuSAfDF13o1VLHbIkQTGQcmnq4rW9EGCDDydbpTp4maW4veCNjT4bI6dBGBUsaOLnuB6q2DsGjNaq0vlVjSNmiS2mZspIlpysxSCPtL/jmJedxdW'}} |
| 0:12:49.088909 | LOG | Server --------------------> DUT |
| 0:12:49.088909 | LOG | TX\_ACK: 02 5e28 05 aa555a0000240409 |
| 0:12:52.559526 | LOG | PULL\_DATA: 02 4ab8 02 aa555a0000240409 |
| 0:12:52.559526 | LOG | PULL\_ACK: 02 4ab8 04 |
| 0:12:53.968026 | LOG | PUSH\_ACK: 02 12c1 01 |
| 0:12:53.968026 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12c1, Identifier = 00, JSON = {'rxpk': [{'tmst': 2340747280, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6gnwHgHzP54yhi'}]} |
| 0:12:53.968026 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 019f, FOpts: ), FPort: e0, FRMPayload: 0130, MIC: f9e32862) |
| 0:12:53.968026 | LOG | Server <-------------------- DUT |
| 0:12:53.968026 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4c4, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b58e6e62) |
| 0:12:53.968026 | LOG | PULL\_RESP: Protocol version = 02, Token = 84b2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2341747280, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AxKTgRSZiCTTHuY4B9g52IUfHAkEl6G5hOyibEGzb2+tVNzdJtHNsEY5jeKnF3g4dm7bkqmvggPXK1i2LdqY4eKrsvhzJtFyo2Dgc2x6bDTL9FK/ckIPFlc2KQuwaaUo8rDeqTBNrg2PQ+KPUBY31gaEG5tI9Gf48QUQSwzLS9kETGvtyFc7ufSQvf9UJAb3LFOAxMxMMebK7AGsDHFqXX4NhVYxuD58+jGflKxGnRHz7xfwguUq+kJ5FnGO6kD8hrbqw/uG4qAEkywSkfa8/TvDVFw+XReGy88jrunLRK/Pr9TbayXD0Z5uvF8dyNtc+PCJUyYq1jm5i'}} |
| 0:12:53.968026 | LOG | Server --------------------> DUT |
| 0:12:53.968026 | LOG | TX\_ACK: 02 84b2 05 aa555a0000240409 |
| 0:12:58.778693 | LOG | PUSH\_ACK: 02 12c2 01 |
| 0:12:58.778693 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12c2, Identifier = 00, JSON = {'rxpk': [{'tmst': 2345590081, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6goAHgbYawkglR'}]} |
| 0:12:58.778693 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01a0, FOpts: ), FPort: e0, FRMPayload: 0131, MIC: b0920951) |
| 0:12:58.778693 | LOG | Server <-------------------- DUT |
| 0:12:58.778693 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4c5, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e9dc41bf) |
| 0:12:58.778693 | LOG | PULL\_RESP: Protocol version = 02, Token = 3518, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2346590081, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AxaTglt/iLZYM4lVfRr8kxXuNafoQ0JIwhbzI9C9wTQ95EdjViGjfeFJIVZZMc2MjhLZmc1VgRnf/Jr4VdqTMs2L9CkBKzOtnU3odjGeYg1M1GshxNVgasYn5w/CPk50LB9YYMIPb3Xc7hYKzbWXIKEL6BR/IZcYzE7fV7Yj09gow/g5YrtYVpW/Chd77G/wE06oS3LW6FnbOILw6iNUsD1VITbXUIXLuzh20cPH1m7KMVwTVMODdd7h7CK/TaifE2Ct9TvUv0lYjCu1TWzB45foyx84e3zlvIbE+VqlTAGew1NJKVJmMvZGZoCDndNRE3E/qVTXp3EG/'}} |
| 0:12:58.778693 | LOG | Server --------------------> DUT |
| 0:12:58.778693 | LOG | TX\_ACK: 02 3518 05 aa555a0000240409 |
| 0:13:02.649636 | LOG | PULL\_DATA: 02 b88d 02 aa555a0000240409 |
| 0:13:02.649636 | LOG | PULL\_ACK: 02 b88d 04 |
| 0:13:03.700071 | LOG | PUSH\_ACK: 02 12c3 01 |
| 0:13:03.700071 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12c3, Identifier = 00, JSON = {'rxpk': [{'tmst': 2350473201, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6goQHgWFCj5af3'}]} |
| 0:13:03.700071 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01a1, FOpts: ), FPort: e0, FRMPayload: 0132, MIC: a3e5a7f7) |
| 0:13:03.700071 | LOG | Server <-------------------- DUT |
| 0:13:03.700071 | LOG | Number of downlinks: 5 |
| 0:13:03.710071 | LOG | Number of errors: 0 |
| 0:13:03.710071 | LOG | Packet Error Rate (%): 0.0 |
| 0:13:03.710071 | LOG | Packet error rate SF7BW125 process tested successfully |
| 0:13:03.710071 | LOG | End Test Step: Test packet error rate for SF7BW125 using RX1 window |
| 0:13:03.710071 | LOG | Partial Verdict: PASS |
| 0:13:03.720073 | LOG | ========================================================= |
| 0:13:03.720073 | LOG | ========================================================= |
| 0:13:03.720073 | LOG | Start Test Step: Test packet error rate for SF8BW500 using RX1 window |
| 0:13:03.730071 | LOG | Send LinkADRReq process starts |
| 0:13:08.529125 | LOG | PUSH\_ACK: 02 12c5 01 |
| 0:13:08.531261 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12c5, Identifier = 00, JSON = {'rxpk': [{'tmst': 2355315801, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AogHgCUO+V8Ev'}]} |
| 0:13:08.531261 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01a2, FOpts: ), FPort: e0, FRMPayload: 0132, MIC: be57c12f) |
| 0:13:08.531261 | LOG | Server <-------------------- DUT |
| 0:13:08.531261 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4c6, FOpts: ), FPort: 00, FRMPayload: 0345ff0001), MIC: 815ea823) |
| 0:13:08.531261 | LOG | PULL\_RESP: Protocol version = 02, Token = be88, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2356315801, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AxqQAIRrNEY6BXqgj'}} |
| 0:13:08.531261 | LOG | Server --------------------> DUT |
| 0:13:08.531261 | LOG | TX\_ACK: 02 be88 05 aa555a0000240409 |
| 0:13:12.661832 | LOG | PULL\_DATA: 02 817e 02 aa555a0000240409 |
| 0:13:12.661832 | LOG | PULL\_ACK: 02 817e 04 |
| 0:13:13.262575 | LOG | PUSH\_ACK: 02 12c6 01 |
| 0:13:13.262575 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12c6, Identifier = 00, JSON = {'rxpk': [{'tmst': 2360110570, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -38, 'size': 17, 'data': 'QO++rd6CowEDB+AB6dpoC5I='}]} |
| 0:13:13.262575 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 01a3, FOpts: 0307), FPort: e0, FRMPayload: 0133, MIC: da680b92) |
| 0:13:13.262575 | LOG | Server <-------------------- DUT |
| 0:13:13.262575 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:13:13.262575 | LOG | Command Answer: 0307 |
| 0:13:13.270655 | LOG | MAC command communication completed |
| 0:13:13.270655 | LOG | Send RXParamSetupReq process starts |
| 0:13:18.165727 | LOG | PUSH\_ACK: 02 12c7 01 |
| 0:13:18.165727 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12c7, Identifier = 00, JSON = {'rxpk': [{'tmst': 2364957924, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -52, 'size': 15, 'data': 'QO++rd6ApAHgSfJhiAFH'}]} |
| 0:13:18.165727 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01a4, FOpts: ), FPort: e0, FRMPayload: 0133, MIC: 61880147) |
| 0:13:18.165727 | LOG | Server <-------------------- DUT |
| 0:13:18.165727 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4c7, FOpts: ), FPort: 00, FRMPayload: 050868e28c), MIC: be07572f) |
| 0:13:18.165727 | LOG | PULL\_RESP: Protocol version = 02, Token = 0d31, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2365957924, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4Ax6QAJNkHy0W+B1cv'}} |
| 0:13:18.165727 | LOG | Server --------------------> DUT |
| 0:13:18.165727 | LOG | TX\_ACK: 02 0d31 05 aa555a0000240409 |
| 0:13:22.717593 | LOG | PULL\_DATA: 02 6c9f 02 aa555a0000240409 |
| 0:13:22.717593 | LOG | PULL\_ACK: 02 6c9f 04 |
| 0:13:23.017587 | LOG | PUSH\_ACK: 02 12c8 01 |
| 0:13:23.017587 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12c8, Identifier = 00, JSON = {'rxpk': [{'tmst': 2369805971, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -45, 'size': 17, 'data': 'QO++rd6CpQEFB+Add5xFPbI='}]} |
| 0:13:23.017587 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 01a5, FOpts: 0507), FPort: e0, FRMPayload: 0134, MIC: 9c453db2) |
| 0:13:23.017587 | LOG | Server <-------------------- DUT |
| 0:13:23.017587 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:13:23.017587 | LOG | Command Answer: 0507 |
| 0:13:23.027550 | LOG | Send ACK to DUT process starts |
| 0:13:23.027550 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4c8, FOpts: ), FPort: , FRMPayload: ), MIC: 0115916e) |
| 0:13:23.027550 | LOG | PULL\_RESP: Protocol version = 02, Token = c644, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2370805971, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AyKQBFZFu'}} |
| 0:13:23.027550 | LOG | Server --------------------> DUT |
| 0:13:23.027550 | LOG | Send ACK to DUT tested successfully |
| 0:13:23.027550 | LOG | MAC command communication completed |
| 0:13:23.037583 | LOG | Packet error rate (Confirmed) SF8BW500 process starts |
| 0:13:27.807434 | LOG | PUSH\_ACK: 02 12c9 01 |
| 0:13:27.809450 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12c9, Identifier = 00, JSON = {'rxpk': [{'tmst': 2374653365, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ApgHgwzqL+w8e'}]} |
| 0:13:27.809450 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01a6, FOpts: ), FPort: e0, FRMPayload: 0135, MIC: 8bfb0f1e) |
| 0:13:27.809450 | LOG | Server <-------------------- DUT |
| 0:13:27.809450 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4c9, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1acf3863) |
| 0:13:27.809450 | LOG | PULL\_RESP: Protocol version = 02, Token = 1c1d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2375653365, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AyaTg/sUkJd0kG66iIPgVITAGI3ADpcfxSpCDBSi1CQh7d++4S1YFuNllcskFs2Z60P0n33EujtT8b06bVf3VBnqtZLzx5DCcPMMI8W8FYp5YDliKuIvqalaj5LpuJvuwcukiZTGi3m+HEU278vwAxfh1HNDcyY6iNWJFiIIrTwwP1jsKd1eJqb8v8tN1TbXA8bTOv4IyZndcsvgD+y80dn8bv4I2tE7XBdTkGOO+EMu/G8k+gzyo901J3oBac1nsadeYLCbJsRKCWRv78aRIBJQuVBV09aDyv6qNTKLbleJVxQbt2Uw3rdpvujmDE6gGlzMBzHIazzhj'}} |
| 0:13:27.809450 | LOG | Server --------------------> DUT |
| 0:13:27.809450 | LOG | TX\_ACK: 02 1c1d 05 aa555a0000240409 |
| 0:13:32.686181 | LOG | PUSH\_ACK: 02 12ca 01 |
| 0:13:32.686181 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12ca, Identifier = 00, JSON = {'rxpk': [{'tmst': 2379501120, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6gpwHgQjPYtkyz'}]} |
| 0:13:32.686181 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01a7, FOpts: ), FPort: e0, FRMPayload: 0136, MIC: d8b64cb3) |
| 0:13:32.686181 | LOG | Server <-------------------- DUT |
| 0:13:32.686181 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4ca, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: aa0f7fbd) |
| 0:13:32.686181 | LOG | PULL\_RESP: Protocol version = 02, Token = 9b04, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2380501120, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AyqTg6ix0mNktL9+h2TbiowfhM+UJlgdyGyg9YKchQxa3vrNpEExjpUya1400goYHeReJHGzFOGPSVt0M69PteGHPCFdjiNYr4Cy12mzHHWccdJiuZCe+GE9h+YXWanQ5ewHYce2x7ZcM37ErCi68APUK2Jug9d0dki30Y2hcbrckFuamV790mG6MWLr4o/nSmWrzMWEkc8wAN8vpyTNogQ3UUnZkO8XpyP1t3KZtZcIs+TOjomTFTYxCboIB1h4fWsI4T3CMA45O6qMhCvittzSkNP54WNO5AzCiv2k1H/3cVOezkZ7kIDNZBuYtE0qeehh/biWqD3+9'}} |
| 0:13:32.686181 | LOG | Server --------------------> DUT |
| 0:13:32.686181 | LOG | TX\_ACK: 02 9b04 05 aa555a0000240409 |
| 0:13:32.905640 | LOG | PULL\_DATA: 02 0409 02 aa555a0000240409 |
| 0:13:32.905640 | LOG | PULL\_ACK: 02 0409 04 |
| 0:13:37.556537 | LOG | PUSH\_ACK: 02 12cc 01 |
| 0:13:37.556537 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12cc, Identifier = 00, JSON = {'rxpk': [{'tmst': 2384348868, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6gqAHgYPQlE/t3'}]} |
| 0:13:37.556537 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01a8, FOpts: ), FPort: e0, FRMPayload: 0137, MIC: 2513fb77) |
| 0:13:37.556537 | LOG | Server <-------------------- DUT |
| 0:13:37.556537 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4cb, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7fba83e1) |
| 0:13:37.556537 | LOG | PULL\_RESP: Protocol version = 02, Token = 33d5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2385348868, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4Ay6TgDyWYJDi3F3eDbDpp340w2FFTYVusnUyzXGcrMRAbvtXuxt+c1gjEegJkQrNSvAr/gOtkmJrX0fUQ+t7LMOJ0U+60TCqZ6uCo9yV8Ab4g96VrJOI5l74FLEk7zy+iz9cIyCWhVkOEhj25IPN124OywgOubgP06wZgI/8sADhRqgozwrtT8UCVXOQlRO88bYBmQiBlJsmHpXodtujT3+UC2me5vi+51hKtv0xPcn57Hw6lut/2n6NysLuJHG6Op9oG+W3pgf0Iz4V40kIaneC9S8YtpPbG2567cffux/5KxMEdy517/cxxz1K5GRWLZL2CXpB/uoPh'}} |
| 0:13:37.556537 | LOG | Server --------------------> DUT |
| 0:13:37.556537 | LOG | TX\_ACK: 02 33d5 05 aa555a0000240409 |
| 0:13:42.355937 | LOG | PUSH\_ACK: 02 12cd 01 |
| 0:13:42.357974 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12cd, Identifier = 00, JSON = {'rxpk': [{'tmst': 2389196596, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6gqQHg7RAVlYaA'}]} |
| 0:13:42.357974 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01a9, FOpts: ), FPort: e0, FRMPayload: 0138, MIC: 15958680) |
| 0:13:42.357974 | LOG | Server <-------------------- DUT |
| 0:13:42.357974 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4cc, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3d5e9cee) |
| 0:13:42.357974 | LOG | PULL\_RESP: Protocol version = 02, Token = 1f65, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2390196596, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AzKTguRCdodW4yP8c13kKaGLYepVUwG1SFh2cLLh2hxJkfDnCSTz+xYDphu0zfhoRH5/HZPqLwryNyECjppmnwuitfQ8Q/65JCK7jMRxpFeVd7g4+VF/zgxdVhGe0+Y7RFTh60nNmOZ2A2sPPz/vnTKlJUkQaCvERGFlvwFTu7ZerL/MFS3XGYpnT9Q86/nHicDemqJHmxiw00kBXLDhO7pDBAa0ILv1PZjlh6PshpFz79gUI2hMd4r4LbVN5a8uv5jy5vC8qJsJVeu+thurxUrISoOaHIVwY3uZWkO3PLrJb0EgAoAd1Elv5/llgFnduRFQ2kvw9Xpzu'}} |
| 0:13:42.357974 | LOG | Server --------------------> DUT |
| 0:13:42.357974 | LOG | TX\_ACK: 02 1f65 05 aa555a0000240409 |
| 0:13:42.982810 | LOG | PULL\_DATA: 02 cbc2 02 aa555a0000240409 |
| 0:13:42.982810 | LOG | PULL\_ACK: 02 cbc2 04 |
| 0:13:47.263997 | LOG | PUSH\_ACK: 02 12ce 01 |
| 0:13:47.263997 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12ce, Identifier = 00, JSON = {'rxpk': [{'tmst': 2394044335, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6gqgHgBXEBimIF'}]} |
| 0:13:47.263997 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01aa, FOpts: ), FPort: e0, FRMPayload: 0139, MIC: 018a6205) |
| 0:13:47.263997 | LOG | Server <-------------------- DUT |
| 0:13:47.263997 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4cd, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ddca1685) |
| 0:13:47.263997 | LOG | PULL\_RESP: Protocol version = 02, Token = 6d98, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2395044335, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4AzaTgKswAWVI/K3oPjNC3IvlbqEhxvn+uHrdV2iwVhqKCuAqkZhTscAp7iDppz87wVyjSzb60O+U6Km2vM8d9jL1V+wgmHe66YAZFIw3Li29uOm6WJGFrTdVNKVNYbE5jOU+B3hdUyyToXhGqf2hrrB3biRi0fINMw0K2/G4APGYKzUqYzuiyP4KxC0sFLtIIdf8xawbnHGTQKLC+YzG0vgaVC1isj6fZd2lQrdfDdExoUMEVaZ8UTbSTyzD7P1co9uOnn8ILtO+AUHfvaLgVwfoOMRn5DzsLEcu1tPTT5N1IK1I7eI4WxjT9wWXMHhCq2izMkWzdyhaF'}} |
| 0:13:47.263997 | LOG | Server --------------------> DUT |
| 0:13:47.263997 | LOG | TX\_ACK: 02 6d98 05 aa555a0000240409 |
| 0:13:52.111883 | LOG | PUSH\_ACK: 02 12cf 01 |
| 0:13:52.113977 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12cf, Identifier = 00, JSON = {'rxpk': [{'tmst': 2398892074, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6gqwHgkSU/3ucV'}]} |
| 0:13:52.113977 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01ab, FOpts: ), FPort: e0, FRMPayload: 013a, MIC: 3fdee715) |
| 0:13:52.113977 | LOG | Server <-------------------- DUT |
| 0:13:52.113977 | LOG | Number of downlinks: 5 |
| 0:13:52.122020 | LOG | Number of errors: 0 |
| 0:13:52.122020 | LOG | Packet Error Rate (%): 0.0 |
| 0:13:52.122020 | LOG | Packet error rate SF8BW500 process tested successfully |
| 0:13:52.122020 | LOG | Send LinkADRReq process starts |
| 0:13:53.041986 | LOG | PULL\_DATA: 02 14ad 02 aa555a0000240409 |
| 0:13:53.041986 | LOG | PULL\_ACK: 02 14ad 04 |
| 0:13:56.926137 | LOG | PUSH\_ACK: 02 12d0 01 |
| 0:13:56.928151 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12d0, Identifier = 00, JSON = {'rxpk': [{'tmst': 2403739808, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ArAHgKThYSnat'}]} |
| 0:13:56.928151 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01ac, FOpts: ), FPort: e0, FRMPayload: 013a, MIC: 584a76ad) |
| 0:13:56.928151 | LOG | Server <-------------------- DUT |
| 0:13:56.928151 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4ce, FOpts: ), FPort: 00, FRMPayload: 0345ff0001), MIC: 19e10313) |
| 0:13:56.928151 | LOG | PULL\_RESP: Protocol version = 02, Token = 942e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2404739808, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AzqQA4KAcOlUZ4QMT'}} |
| 0:13:56.928151 | LOG | Server --------------------> DUT |
| 0:13:56.928151 | LOG | TX\_ACK: 02 942e 05 aa555a0000240409 |
| 0:14:01.805056 | LOG | PUSH\_ACK: 02 12d1 01 |
| 0:14:01.807101 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12d1, Identifier = 00, JSON = {'rxpk': [{'tmst': 2408587917, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CrQEDB+DIGM0mFHM='}]} |
| 0:14:01.807101 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 01ad, FOpts: 0307), FPort: e0, FRMPayload: 013b, MIC: cd261473) |
| 0:14:01.807101 | LOG | Server <-------------------- DUT |
| 0:14:01.807101 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:14:01.807101 | LOG | Command Answer: 0307 |
| 0:14:01.807101 | LOG | MAC command communication completed |
| 0:14:01.815160 | LOG | Send RXParamSetupReq process starts |
| 0:14:03.076102 | LOG | PULL\_DATA: 02 a716 02 aa555a0000240409 |
| 0:14:03.076102 | LOG | PULL\_ACK: 02 a716 04 |
| 0:14:06.596571 | LOG | PUSH\_ACK: 02 12d3 01 |
| 0:14:06.596571 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12d3, Identifier = 00, JSON = {'rxpk': [{'tmst': 2413435307, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ArgHgsUPLVtD5'}]} |
| 0:14:06.596571 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01ae, FOpts: ), FPort: e0, FRMPayload: 013b, MIC: cb56d0f9) |
| 0:14:06.596571 | LOG | Server <-------------------- DUT |
| 0:14:06.596571 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4cf, FOpts: ), FPort: 00, FRMPayload: 051868e28c), MIC: 349a72bd) |
| 0:14:06.596571 | LOG | PULL\_RESP: Protocol version = 02, Token = 346c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2414435307, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4Az6QA7Onk+zw0mnK9'}} |
| 0:14:06.596571 | LOG | Server --------------------> DUT |
| 0:14:06.596571 | LOG | TX\_ACK: 02 346c 05 aa555a0000240409 |
| 0:14:11.472667 | LOG | PUSH\_ACK: 02 12d4 01 |
| 0:14:11.472667 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12d4, Identifier = 00, JSON = {'rxpk': [{'tmst': 2418283426, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -48, 'size': 17, 'data': 'QO++rd6CrwEFB+AzYe1cnLM='}]} |
| 0:14:11.472667 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 01af, FOpts: 0507), FPort: e0, FRMPayload: 013c, MIC: ed5c9cb3) |
| 0:14:11.472667 | LOG | Server <-------------------- DUT |
| 0:14:11.472667 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:14:11.472667 | LOG | Command Answer: 0507 |
| 0:14:11.480720 | LOG | Send ACK to DUT process starts |
| 0:14:11.480720 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4d0, FOpts: ), FPort: , FRMPayload: ), MIC: 89ec7068) |
| 0:14:11.480720 | LOG | PULL\_RESP: Protocol version = 02, Token = a87b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2419283426, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4A0KSJ7HBo'}} |
| 0:14:11.480720 | LOG | Server --------------------> DUT |
| 0:14:11.490681 | LOG | Send ACK to DUT tested successfully |
| 0:14:11.490681 | LOG | MAC command communication completed |
| 0:14:11.490681 | LOG | Packet error rate (Confirmed) SF8BW500 process starts |
| 0:14:13.152134 | LOG | PULL\_DATA: 02 a2a0 02 aa555a0000240409 |
| 0:14:13.152134 | LOG | PULL\_ACK: 02 a2a0 04 |
| 0:14:16.300601 | LOG | PUSH\_ACK: 02 12d5 01 |
| 0:14:16.300601 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12d5, Identifier = 00, JSON = {'rxpk': [{'tmst': 2423130790, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AsAHgMtl4pc1e'}]} |
| 0:14:16.300601 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01b0, FOpts: ), FPort: e0, FRMPayload: 013d, MIC: 78a5cd5e) |
| 0:14:16.300601 | LOG | Server <-------------------- DUT |
| 0:14:16.300601 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4d1, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 11a4a47f) |
| 0:14:16.300601 | LOG | PULL\_RESP: Protocol version = 02, Token = 5de7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2424130790, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A0aTge1J5V9K+RZkOLgLtMQ2KbA1e54EqObt08+Of/8EmBIUwCgcqk2ecidC7izSOgyzf7p2dRGpIthIGT5morKZ7IRNFlG3J4pnQ6cWzdwjUenadhiP6v/uhqHAsqFEulfuWIOVRqUA22sLOUCph2gH/BKs56pgfMFdYqiISXHGLd+FrmefeWn+Je/6h9tEt5jbXPDamMnH64z8xBITU+ttIuQkljKOr4IY9SY1e4rVl4AGXdNM2vIaFLzeJ6zUsTHSOEwoAeHlwYjE4bpdKdqWW3w35wHRHLbcrSNFzYIvhQQHEOGJcNiOyM6xV0uR83+OE15QRpKR/'}} |
| 0:14:16.300601 | LOG | Server --------------------> DUT |
| 0:14:16.300601 | LOG | TX\_ACK: 02 5de7 05 aa555a0000240409 |
| 0:14:21.139084 | LOG | PUSH\_ACK: 02 12d6 01 |
| 0:14:21.139084 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12d6, Identifier = 00, JSON = {'rxpk': [{'tmst': 2427978533, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -48, 'size': 15, 'data': 'QO++rd6gsQHgO5fWC+ch'}]} |
| 0:14:21.141915 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01b1, FOpts: ), FPort: e0, FRMPayload: 013e, MIC: d60be721) |
| 0:14:21.141915 | LOG | Server <-------------------- DUT |
| 0:14:21.141915 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4d2, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 826e8496) |
| 0:14:21.141915 | LOG | PULL\_RESP: Protocol version = 02, Token = bf29, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2428978533, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A0qTgb0lluzY3SppwBHKxJ0kBN/YZ7UnqM7JfoVSYfwtXDrexJqulmoMNR8f+Ei3wrw0fb/5PAZ4ZMaeg9wgA1OSFGjepQ/BZdavaiIHXO6bYBv7u2rEbJs9G9xC6nSAwLylBkAboM7HXrvKQF/Zl2JbYQPUfsCOKaky8D6okGQK6pPYtQirliEDnMbpzruhqPrjABBTnZYDcHrzSzRm3LB9SEJEmrLtcB7j1amEbXFLl41/8jwZRnIYpuXUmFcOStMdnWSdcaPc+pEHVVGoz6D4gxCl/DYR1ilmJwaQacC3NtagKGEkMQ3oXXDoYzOemsTyCLbmCboSW'}} |
| 0:14:21.141915 | LOG | Server --------------------> DUT |
| 0:14:21.141915 | LOG | TX\_ACK: 02 bf29 05 aa555a0000240409 |
| 0:14:23.190285 | LOG | PULL\_DATA: 02 2f9c 02 aa555a0000240409 |
| 0:14:23.190285 | LOG | PULL\_ACK: 02 2f9c 04 |
| 0:14:26.015483 | LOG | PUSH\_ACK: 02 12d7 01 |
| 0:14:26.017554 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12d7, Identifier = 00, JSON = {'rxpk': [{'tmst': 2432826268, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -48, 'size': 15, 'data': 'QO++rd6gsgHgjt7rBjlK'}]} |
| 0:14:26.017554 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01b2, FOpts: ), FPort: e0, FRMPayload: 013f, MIC: eb06394a) |
| 0:14:26.017554 | LOG | Server <-------------------- DUT |
| 0:14:26.017554 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4d3, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7073550e) |
| 0:14:26.017554 | LOG | PULL\_RESP: Protocol version = 02, Token = 6c8b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2433826268, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A06TgtJaOM7d46EFPQ7vnNlQuLxmBFxoQqJY8ZRUezqsTdCghxD0888M7MC2RJ1kSI52ZMz6QSJuCBoKCeY72CWalchxztRE9UG1zKVJqOzl2cpZNOrn+A4YS88RSB4PUzhD3iq8QHoEeDj0O9OEvkkXrVvkZ8zAkx8ZLHfw8e6ZVU7eLtdzbuKI+TVSdxQYl6mXyPAW9NVVgOGm772YMknq/xp0BHQtJDUmVMfTeWjojJLUC3VBLq1gG6iQrMK0ZDmoQwPSHTM0cLkgxpf2/Sygss+mgNqAW0lRn6EMz/uwQOTKrLeOwDulWs+7KK02S3v4OmI9wc1UO'}} |
| 0:14:26.017554 | LOG | Server --------------------> DUT |
| 0:14:26.017554 | LOG | TX\_ACK: 02 6c8b 05 aa555a0000240409 |
| 0:14:30.843832 | LOG | PUSH\_ACK: 02 12d8 01 |
| 0:14:30.845910 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12d8, Identifier = 00, JSON = {'rxpk': [{'tmst': 2437674000, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -48, 'size': 15, 'data': 'QO++rd6gswHggm+Bz/Pr'}]} |
| 0:14:30.845910 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01b3, FOpts: ), FPort: e0, FRMPayload: 0140, MIC: 81cff3eb) |
| 0:14:30.845910 | LOG | Server <-------------------- DUT |
| 0:14:30.845910 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4d4, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ffa36058) |
| 0:14:30.845910 | LOG | PULL\_RESP: Protocol version = 02, Token = 12e6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2438674000, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A1KTgCHa2qJUGyGt7GiJuvbc6/PseR3Em+gwr/BdANImhz7Kn9O5yvKlGUdKQPoRaMos90raDG/TYeL/OcQwwgY2UdDZ37WOgHT1xVzcXm+jgpMfDwOfttNQIQTnih/W93XFLKdf3xZrOtueeVFUIixN9IT0+CzJn1AZioq+jqYbh2KPtKp8m1Trv9GBZKpgE53RPR23cVVJ/frzbTVvhhG7jiahOOrcOKP/So6oM/tmGoTRD/xr5NL4x51sJiXUnhnRkz6NIpthRhq8cE1Mb7vXYFJQxT9/yi5LFEM3RJqmIBdCjnPPAsxqfZzejjiOVidsLoMr/o2BY'}} |
| 0:14:30.845910 | LOG | Server --------------------> DUT |
| 0:14:30.845910 | LOG | TX\_ACK: 02 12e6 05 aa555a0000240409 |
| 0:14:33.314566 | LOG | PULL\_DATA: 02 fd0d 02 aa555a0000240409 |
| 0:14:33.314566 | LOG | PULL\_ACK: 02 fd0d 04 |
| 0:14:35.754435 | LOG | PUSH\_ACK: 02 12da 01 |
| 0:14:35.754435 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12da, Identifier = 00, JSON = {'rxpk': [{'tmst': 2442521739, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -48, 'size': 15, 'data': 'QO++rd6gtAHg+eqdEpGM'}]} |
| 0:14:35.754435 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01b4, FOpts: ), FPort: e0, FRMPayload: 0141, MIC: 9d12918c) |
| 0:14:35.754435 | LOG | Server <-------------------- DUT |
| 0:14:35.754435 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4d5, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ed0ee006) |
| 0:14:35.754435 | LOG | PULL\_RESP: Protocol version = 02, Token = 327f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2443521739, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A1aTgr41pCwlI0qaBTwj9cHE+UWxIdIASxdhwlP+uwIfAkWLvvMhvpIccZnDTQDcJVLrUnJdAbAMEqeHnQ09pHQ+7cdiUpXQ3jir5bYaRMBIlt4P4hVJYgWF6Pwc2QXy0EqYBdzZd5zjiIF+HJjoNNLlqDWOzHl2uFuQWVS9s/LY38LA/z+QM8utss/MzKkfqpZ2HYz3cXYzZmYvW3GIYx6pHOeP6snuWRsuAKNeGv0yJTnsllaLpIcF6GqsGMnAaPFY7iMBjPRiNg1xKdNzSFoF4IqiqHBoZuOPHaaLuA7564RhN/ngyZ0HH6wclDmX5H6yA+tTtDuAG'}} |
| 0:14:35.754435 | LOG | Server --------------------> DUT |
| 0:14:35.754435 | LOG | TX\_ACK: 02 327f 05 aa555a0000240409 |
| 0:14:40.525489 | LOG | PUSH\_ACK: 02 12db 01 |
| 0:14:40.525489 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12db, Identifier = 00, JSON = {'rxpk': [{'tmst': 2447369480, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -48, 'size': 15, 'data': 'QO++rd6gtQHgxYVfVTdq'}]} |
| 0:14:40.525489 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01b5, FOpts: ), FPort: e0, FRMPayload: 0142, MIC: 5f55376a) |
| 0:14:40.525489 | LOG | Server <-------------------- DUT |
| 0:14:40.533541 | LOG | Number of downlinks: 5 |
| 0:14:40.533541 | LOG | Number of errors: 0 |
| 0:14:40.533541 | LOG | Packet Error Rate (%): 0.0 |
| 0:14:40.533541 | LOG | Packet error rate SF8BW500 process tested successfully |
| 0:14:40.533541 | LOG | Send LinkADRReq process starts |
| 0:14:42.576262 | LOG | PUSH\_ACK: 02 12dc 01 |
| 0:14:42.578378 | LOG | MIC MISMATCH! |
| 0:14:42.578378 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12dc, Identifier = 00, JSON = {'rxpk': [{'tmst': 2449413020, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': -1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/6', 'lsnr': -11.5, 'rssi': -87, 'size': 175, 'data': 'lub3ndLvojUZdELTbVqaKQA6uMKmyNCzafog/7YV3qY5KfCtluKt63hHJLPXTQBDoo1EFFNyV8dxFoF+eek35Z0YapeiIOdhYVBs85O5jxHhQUxk24bqN094T67Bnkm/iRNHPyoXbVFWfFQxUWLf6Bi8fNjUuT59jNktOcyfezSRgw1zbQyh4oNBZLFcCN666zaeBADwCWBvtEYkd4hQ2GI8GHT3JOEPSDedQJYlKw=='}]} |
| 0:14:42.578378 | LOG | DATA: (MHDR: 96, MACPayload: (FHDR: (DevAddr: e6f79dd2, FCtrl: ef, FCnt: 35a2, FOpts: 197442d36d5a9a29003ab8c2a6c8d0), FPort: b3, FRMPayload: f89a1d2b54ca55dac99999e462b729ac37432e0fc50c970c10eb3bbbd59f66ec9514f0aeadd2ed9beb18518d0f4479741613936657a231755a367c01df67ca983abf4988861fb817d64adbcbd474af10fe458800781da9c370db040ca79175c3f8ee054e4991e4bcb6a321c29a7bf3bcbf8f730b1ed6524b4a50e20c379ecacf5eb3782400c673258e17430d1bcc74d439029f, MIC: 4096252b) |
| 0:14:43.326375 | LOG | PULL\_DATA: 02 b5eb 02 aa555a0000240409 |
| 0:14:43.326375 | LOG | PULL\_ACK: 02 b5eb 04 |
| 0:14:45.395858 | LOG | PUSH\_ACK: 02 12dd 01 |
| 0:14:45.397877 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12dd, Identifier = 00, JSON = {'rxpk': [{'tmst': 2452217208, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AtgHgT0AmwWeJ'}]} |
| 0:14:45.397877 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01b6, FOpts: ), FPort: e0, FRMPayload: 0142, MIC: 26c16789) |
| 0:14:45.397877 | LOG | Server <-------------------- DUT |
| 0:14:45.397877 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4d6, FOpts: ), FPort: 00, FRMPayload: 0345ff0001), MIC: e7583b0f) |
| 0:14:45.397877 | LOG | PULL\_RESP: Protocol version = 02, Token = b8e2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2453217208, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A1qQAz3ub6mLnWDsP'}} |
| 0:14:45.397877 | LOG | Server --------------------> DUT |
| 0:14:45.397877 | LOG | TX\_ACK: 02 b8e2 05 aa555a0000240409 |
| 0:14:50.291007 | LOG | PUSH\_ACK: 02 12de 01 |
| 0:14:50.291007 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12de, Identifier = 00, JSON = {'rxpk': [{'tmst': 2457065276, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -48, 'size': 17, 'data': 'QO++rd6CtwEDB+DZQpeZfBE='}]} |
| 0:14:50.291007 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 01b7, FOpts: 0307), FPort: e0, FRMPayload: 0143, MIC: 97997c11) |
| 0:14:50.291007 | LOG | Server <-------------------- DUT |
| 0:14:50.291007 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:14:50.291007 | LOG | Command Answer: 0307 |
| 0:14:50.291007 | LOG | MAC command communication completed |
| 0:14:50.300968 | LOG | Send RXParamSetupReq process starts |
| 0:14:53.381589 | LOG | PULL\_DATA: 02 ae63 02 aa555a0000240409 |
| 0:14:53.381589 | LOG | PULL\_ACK: 02 ae63 04 |
| 0:14:55.122934 | LOG | PUSH\_ACK: 02 12df 01 |
| 0:14:55.122934 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12df, Identifier = 00, JSON = {'rxpk': [{'tmst': 2461912652, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AuAHg5UD/xVIt'}]} |
| 0:14:55.122934 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01b8, FOpts: ), FPort: e0, FRMPayload: 0143, MIC: ffc5522d) |
| 0:14:55.122934 | LOG | Server <-------------------- DUT |
| 0:14:55.122934 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4d7, FOpts: ), FPort: 00, FRMPayload: 052868e28c), MIC: 68fe1390) |
| 0:14:55.122934 | LOG | PULL\_RESP: Protocol version = 02, Token = 4d66, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2462912652, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A16QAyFNmowdo/hOQ'}} |
| 0:14:55.122934 | LOG | Server --------------------> DUT |
| 0:14:55.122934 | LOG | TX\_ACK: 02 4d66 05 aa555a0000240409 |
| 0:14:59.965104 | LOG | PUSH\_ACK: 02 12e0 01 |
| 0:14:59.967240 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12e0, Identifier = 00, JSON = {'rxpk': [{'tmst': 2466760739, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -48, 'size': 17, 'data': 'QO++rd6CuQEFB+D/J/TxhTg='}]} |
| 0:14:59.967240 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 01b9, FOpts: 0507), FPort: e0, FRMPayload: 0144, MIC: f4f18538) |
| 0:14:59.967240 | LOG | Server <-------------------- DUT |
| 0:14:59.967240 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:14:59.967240 | LOG | Command Answer: 0507 |
| 0:14:59.975310 | LOG | Send ACK to DUT process starts |
| 0:14:59.975310 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4d8, FOpts: ), FPort: , FRMPayload: ), MIC: 1d6c5bb3) |
| 0:14:59.975310 | LOG | PULL\_RESP: Protocol version = 02, Token = 5a12, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2467760739, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4A2KQdbFuz'}} |
| 0:14:59.975310 | LOG | Server --------------------> DUT |
| 0:14:59.975310 | LOG | Send ACK to DUT tested successfully |
| 0:14:59.975310 | LOG | MAC command communication completed |
| 0:14:59.985276 | LOG | Packet error rate (Confirmed) SF8BW500 process starts |
| 0:15:03.450593 | LOG | PULL\_DATA: 02 b424 02 aa555a0000240409 |
| 0:15:03.450593 | LOG | PULL\_ACK: 02 b424 04 |
| 0:15:04.790931 | LOG | PUSH\_ACK: 02 12e1 01 |
| 0:15:04.790931 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12e1, Identifier = 00, JSON = {'rxpk': [{'tmst': 2471608187, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AugHgvl5AzeAP'}]} |
| 0:15:04.790931 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01ba, FOpts: ), FPort: e0, FRMPayload: 0145, MIC: 40cde00f) |
| 0:15:04.790931 | LOG | Server <-------------------- DUT |
| 0:15:04.790931 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4d9, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 51e0b03e) |
| 0:15:04.790931 | LOG | PULL\_RESP: Protocol version = 02, Token = 568c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2472608187, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A2aTggszk5j4fxae+HSnjQ1UsKPaDUFyYCc2OMImY+uIsRr9XvtJ3/TQDqevO2r6JOCQvyHY3bjGh0KLnK73yWxMQVu3QmTRVAtMcS5+uOJ+KU00k87w0pD1pEWSqAJjkrb6eJoMjQphd01ZZLhAK5pyJo9OGUAeb4Oa12O0kAex4AGKwvDuU4ydl40bpqL8V8Vj+ov9WT8Q71XQY/55obPb/ZFfqlUctL6Am/ZpHlwntmw4mTK4Y/hOn3MNfpBf8cCdWxf0YXl9cYjQkooogm2IExi7Qezr4JffXgCb5fEywbOKtoa2kwRprOyf84lbDfA2YRPZR4LA+'}} |
| 0:15:04.790931 | LOG | Server --------------------> DUT |
| 0:15:04.790931 | LOG | TX\_ACK: 02 568c 05 aa555a0000240409 |
| 0:15:09.672411 | LOG | PUSH\_ACK: 02 12e3 01 |
| 0:15:09.672411 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12e3, Identifier = 00, JSON = {'rxpk': [{'tmst': 2476455967, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -48, 'size': 15, 'data': 'QO++rd6guwHgUpxKH7C8'}]} |
| 0:15:09.672411 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01bb, FOpts: ), FPort: e0, FRMPayload: 0146, MIC: 4a1fb0bc) |
| 0:15:09.672411 | LOG | Server <-------------------- DUT |
| 0:15:09.672411 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4da, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d0ebd861) |
| 0:15:09.672411 | LOG | PULL\_RESP: Protocol version = 02, Token = 7606, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2477455967, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A2qTgEVVmWra1W3kFoP0LiTxNxsz0uWVDp379wMQ8QpAr8NmCqhrDNUVQDyxigIHENZkaGmRTSHhvncCEk6CGUUC1mhEkzkddWAjzrBMZ94r+Oqf18meUZ55FnTDFlxb0V8x98nrbJw3KWqpV/skLmvGfxeocPsQt38mtpz1VTCx3WyuW5zo0hO2hwcPTw5wF4Cl0VNFSQU+sCI81B9GFtbbU6+qDN0yfXIv2VEHL99F5z2XKAhagc6Uvh5kz6F75KfpL9VOXGYW4hQGwDX7Y469PmiZb0179kidD648oFcpEsiYJwx/9vPXpobCVxGWwFehEmXjQ69hh'}} |
| 0:15:09.672411 | LOG | Server --------------------> DUT |
| 0:15:09.672411 | LOG | TX\_ACK: 02 7606 05 aa555a0000240409 |
| 0:15:13.569012 | LOG | PULL\_DATA: 02 a0f3 02 aa555a0000240409 |
| 0:15:13.569012 | LOG | PULL\_ACK: 02 a0f3 04 |
| 0:15:14.524089 | LOG | PUSH\_ACK: 02 12e4 01 |
| 0:15:14.524089 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12e4, Identifier = 00, JSON = {'rxpk': [{'tmst': 2481303759, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -48, 'size': 15, 'data': 'QO++rd6gvAHgr79pNgZA'}]} |
| 0:15:14.524089 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01bc, FOpts: ), FPort: e0, FRMPayload: 0147, MIC: 69360640) |
| 0:15:14.524089 | LOG | Server <-------------------- DUT |
| 0:15:14.524089 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4db, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: bf18b21c) |
| 0:15:14.524089 | LOG | PULL\_RESP: Protocol version = 02, Token = ac68, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2482303759, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A26TgoDCbN1ZXihgIDYfMX08uK/FnRQUPEdV8EMRAPj56uj/5imcecn/xoOISKh8YGE0ky5qqNLvwMAzz1AR2ETymXIDdJPQfJIMt4PH3aOk3DmnbGdQ7eejsUePhRJ9fSmCgvMaZ4ehygqBAOSaU8tMpohFSj5P7A2xvfhdk5ihJNFWfDBj0wtARIe8d2nzd+ugPNGfv8/D/8m9W53wWKAlGwykfiSm/k1svcBqsUCLS3Wq9qqUtYjTVXhZcyNNNu6CU5dGCxkT+ZTpRkZzocoObw5eAyjfN1TgAF5scSYPUwl50Y14dNXbtMT1rMS2q/Cxi7cu/GLIc'}} |
| 0:15:14.524089 | LOG | Server --------------------> DUT |
| 0:15:14.524089 | LOG | TX\_ACK: 02 ac68 05 aa555a0000240409 |
| 0:15:19.307394 | LOG | PUSH\_ACK: 02 12e5 01 |
| 0:15:19.307394 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12e5, Identifier = 00, JSON = {'rxpk': [{'tmst': 2486151534, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -48, 'size': 15, 'data': 'QO++rd6gvQHg0FYJ1aVU'}]} |
| 0:15:19.307394 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01bd, FOpts: ), FPort: e0, FRMPayload: 0148, MIC: 09d5a554) |
| 0:15:19.307394 | LOG | Server <-------------------- DUT |
| 0:15:19.307394 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4dc, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f5a8e0a7) |
| 0:15:19.307394 | LOG | PULL\_RESP: Protocol version = 02, Token = 2b44, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2487151534, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A3KTguibQoR33BiZkhhqPps8yW8Ey7EK0AMO05WW6Al2gxGnMPCPNwwcnykw8I0O2BOVM6tx0nQJ4feAdH0FFarnYiu0x41X3cIgBPneUT3h5Ow6PxrnvXowqge+0kWQky1u07AUGFmAsfeqIpMOS6NLhQpakwByZXivQwBmiuLiWjfYPSJPHw600MZDW680vOc6Qwp2uv2eVekQnwccgDn2k/ku2ak3yiu79v8PcVzK+uYViq3BygLp4KWYxchSEwZfM79CWcumc23LnAV2xoBiiATYuUQv1gwfzTm0fPcT71jNZgkc6EuDoUWWQkHPefwKhwq71qOCn'}} |
| 0:15:19.307394 | LOG | Server --------------------> DUT |
| 0:15:19.307394 | LOG | TX\_ACK: 02 2b44 05 aa555a0000240409 |
| 0:15:23.611500 | LOG | PULL\_DATA: 02 1127 02 aa555a0000240409 |
| 0:15:23.611500 | LOG | PULL\_ACK: 02 1127 04 |
| 0:15:24.181805 | LOG | PUSH\_ACK: 02 12e6 01 |
| 0:15:24.181805 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12e6, Identifier = 00, JSON = {'rxpk': [{'tmst': 2490999337, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -48, 'size': 15, 'data': 'QO++rd6gvgHgirTKxjv5'}]} |
| 0:15:24.181805 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01be, FOpts: ), FPort: e0, FRMPayload: 0149, MIC: cac63bf9) |
| 0:15:24.181805 | LOG | Server <-------------------- DUT |
| 0:15:24.181805 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4dd, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4dc1d1f6) |
| 0:15:24.181805 | LOG | PULL\_RESP: Protocol version = 02, Token = b17e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2491999337, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A3aTg1vIUNir81yin75vaqU+nlAVLlB8rR2Cl5fZKtp/jiRrvyPdMJdYXQxuw4AYUy9rr0fxe3V7Ca24TcV/mr0jz9tj+20dLcbKrll9wi6kmCs8e4ZKjQ4yEzWIJZpzG3FpGABy8+jbSNdsh4EFKtY+MUnzGIbE4jSVuiE81g40zehpYVbtVwQVzp2d3sPrEwf4ZkqeRPkX3zZkUlsDunh7aqXd/UD3TyHm2ojwHqanGf6M1tis88l/6fvHFxkjtjAB8Po4RxnU2YtPc6JUKtRtqEi8DX4kchRMr0LrzGgBJZf+VE3SmA3Qi63k5wyaVAj72K6NNwdH2'}} |
| 0:15:24.181805 | LOG | Server --------------------> DUT |
| 0:15:24.181805 | LOG | TX\_ACK: 02 b17e 05 aa555a0000240409 |
| 0:15:29.043200 | LOG | PUSH\_ACK: 02 12e7 01 |
| 0:15:29.045217 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12e7, Identifier = 00, JSON = {'rxpk': [{'tmst': 2495847147, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -48, 'size': 15, 'data': 'QO++rd6gvwHggjuAKwlb'}]} |
| 0:15:29.045217 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01bf, FOpts: ), FPort: e0, FRMPayload: 014a, MIC: 802b095b) |
| 0:15:29.045217 | LOG | Server <-------------------- DUT |
| 0:15:29.045217 | LOG | Number of downlinks: 5 |
| 0:15:29.053267 | LOG | Number of errors: 0 |
| 0:15:29.053267 | LOG | Packet Error Rate (%): 0.0 |
| 0:15:29.053267 | LOG | Packet error rate SF8BW500 process tested successfully |
| 0:15:29.053267 | LOG | Send LinkADRReq process starts |
| 0:15:33.776327 | LOG | PULL\_DATA: 02 85ba 02 aa555a0000240409 |
| 0:15:33.776327 | LOG | PULL\_ACK: 02 85ba 04 |
| 0:15:33.886291 | LOG | PUSH\_ACK: 02 12e8 01 |
| 0:15:33.886291 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12e8, Identifier = 00, JSON = {'rxpk': [{'tmst': 2500694919, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AwAHgJIkFYL+6'}]} |
| 0:15:33.886291 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01c0, FOpts: ), FPort: e0, FRMPayload: 014a, MIC: 0560bfba) |
| 0:15:33.886291 | LOG | Server <-------------------- DUT |
| 0:15:33.886291 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4de, FOpts: ), FPort: 00, FRMPayload: 0345ff0001), MIC: 192aa58b) |
| 0:15:33.886291 | LOG | PULL\_RESP: Protocol version = 02, Token = 0134, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2501694919, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A3qQACbnhoWUZKqWL'}} |
| 0:15:33.886291 | LOG | Server --------------------> DUT |
| 0:15:33.886291 | LOG | TX\_ACK: 02 0134 05 aa555a0000240409 |
| 0:15:38.700892 | LOG | PUSH\_ACK: 02 12ea 01 |
| 0:15:38.702953 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12ea, Identifier = 00, JSON = {'rxpk': [{'tmst': 2505543054, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -48, 'size': 17, 'data': 'QO++rd6CwQEDB+DL8h9WtXA='}]} |
| 0:15:38.702953 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 01c1, FOpts: 0307), FPort: e0, FRMPayload: 014b, MIC: 1f56b570) |
| 0:15:38.702953 | LOG | Server <-------------------- DUT |
| 0:15:38.702953 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:15:38.702953 | LOG | Command Answer: 0307 |
| 0:15:38.702953 | LOG | MAC command communication completed |
| 0:15:38.711012 | LOG | Send RXParamSetupReq process starts |
| 0:15:43.621752 | LOG | PUSH\_ACK: 02 12eb 01 |
| 0:15:43.623840 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12eb, Identifier = 00, JSON = {'rxpk': [{'tmst': 2510390500, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AwgHgGpr/e1zS'}]} |
| 0:15:43.623840 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01c2, FOpts: ), FPort: e0, FRMPayload: 014b, MIC: ff7b5cd2) |
| 0:15:43.623840 | LOG | Server <-------------------- DUT |
| 0:15:43.623840 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4df, FOpts: ), FPort: 00, FRMPayload: 053868e28c), MIC: daf0e9b8) |
| 0:15:43.623840 | LOG | PULL\_RESP: Protocol version = 02, Token = 44d7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2511390500, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A36QADZUWwina8Om4'}} |
| 0:15:43.623840 | LOG | Server --------------------> DUT |
| 0:15:43.623840 | LOG | TX\_ACK: 02 44d7 05 aa555a0000240409 |
| 0:15:43.841851 | LOG | PULL\_DATA: 02 a107 02 aa555a0000240409 |
| 0:15:43.841851 | LOG | PULL\_ACK: 02 a107 04 |
| 0:15:48.435602 | LOG | PUSH\_ACK: 02 12ec 01 |
| 0:15:48.435602 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12ec, Identifier = 00, JSON = {'rxpk': [{'tmst': 2515238586, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -48, 'size': 17, 'data': 'QO++rd6CwwEFB+CTgonPlEA='}]} |
| 0:15:48.438504 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 01c3, FOpts: 0507), FPort: e0, FRMPayload: 014c, MIC: 89cf9440) |
| 0:15:48.438504 | LOG | Server <-------------------- DUT |
| 0:15:48.438504 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:15:48.438504 | LOG | Command Answer: 0507 |
| 0:15:48.446561 | LOG | Send ACK to DUT process starts |
| 0:15:48.446561 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4e0, FOpts: ), FPort: , FRMPayload: ), MIC: b388f5fc) |
| 0:15:48.446561 | LOG | PULL\_RESP: Protocol version = 02, Token = 3160, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2516238586, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4A4KSziPX8'}} |
| 0:15:48.446561 | LOG | Server --------------------> DUT |
| 0:15:48.446561 | LOG | Send ACK to DUT tested successfully |
| 0:15:48.446561 | LOG | MAC command communication completed |
| 0:15:48.456517 | LOG | Packet error rate (Confirmed) SF8BW500 process starts |
| 0:15:53.273937 | LOG | PUSH\_ACK: 02 12ed 01 |
| 0:15:53.273937 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12ed, Identifier = 00, JSON = {'rxpk': [{'tmst': 2520086013, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AxAHg586/C7GC'}]} |
| 0:15:53.273937 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01c4, FOpts: ), FPort: e0, FRMPayload: 014d, MIC: bf0bb182) |
| 0:15:53.273937 | LOG | Server <-------------------- DUT |
| 0:15:53.273937 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4e1, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c7ec69ea) |
| 0:15:53.273937 | LOG | PULL\_RESP: Protocol version = 02, Token = 4816, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2521086013, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A4aTgchfJdePukbLDl8D15Q7ervVfFxv4HjNHsBGBnlKCGC+uiyjdJZHkMtIm4B5SxXxBtar+gfCTUY1eR3r+C0gYzg51F57lzsLTjDqSLSkeWY1FMnm8wTRmunfwkh2TFO2PH1kOdK6d5K/2Yn4zfEt6KkXhY8jFhajaG7dgM6TnxqoxYFPFfc+CkI21R8LoqsnemztNo8Bb10vEDX/g248mJri9nerMRi3q9KRJRDo0gR7lcKZPNBVATTzxMlPamQcAnuO/tCa3A0MbZ9h6+OV9q6X/xaJql7FMjn7FBR+EL8cCZPbYSY1cZGZdTyrlIr85WpHH7Gnq'}} |
| 0:15:53.273937 | LOG | Server --------------------> DUT |
| 0:15:53.273937 | LOG | TX\_ACK: 02 4816 05 aa555a0000240409 |
| 0:15:53.907964 | LOG | PULL\_DATA: 02 747b 02 aa555a0000240409 |
| 0:15:53.907964 | LOG | PULL\_ACK: 02 747b 04 |
| 0:15:58.143886 | LOG | PUSH\_ACK: 02 12ee 01 |
| 0:15:58.145976 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12ee, Identifier = 00, JSON = {'rxpk': [{'tmst': 2524933768, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -48, 'size': 15, 'data': 'QO++rd6gxQHgYAwePjWK'}]} |
| 0:15:58.145976 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01c5, FOpts: ), FPort: e0, FRMPayload: 014e, MIC: 1e3e358a) |
| 0:15:58.145976 | LOG | Server <-------------------- DUT |
| 0:15:58.145976 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4e2, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1d4cdcdf) |
| 0:15:58.145976 | LOG | PULL\_RESP: Protocol version = 02, Token = 1b21, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2525933768, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A4qTgzeF3FVoG0DPGvWmH/6onb/SCXaUq9UgrbdwOE62QDlPM9y0Iq7AKClpifrrB0HIbvzJH21p4TGOZu1ReKgiNh5BLsSe7Hps25Wwv0J3PuVQqjGEpgaEHmDwsAl3/16g2hnJHzczq/9sIb75BgTGC8yBph3VZwBKzXKnyVaTfSQV1BQCsrli3RC6q/K2U/6gMaShKE5L8CDjzaPoUiwnp2cOfwFGjAxoMikpZeIo+qZ1bVI82vaFQl0AnCFedjZgQ2TT5CXTCNqBTd4aaX9FCiPrSXHv5neRh5ab3mm4wYNGH3LgzjXDXXK3H9GuDCxiUE5EdTNzf'}} |
| 0:15:58.145976 | LOG | Server --------------------> DUT |
| 0:15:58.145976 | LOG | TX\_ACK: 02 1b21 05 aa555a0000240409 |
| 0:16:02.987473 | LOG | PUSH\_ACK: 02 12ef 01 |
| 0:16:02.987473 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12ef, Identifier = 00, JSON = {'rxpk': [{'tmst': 2529781547, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -48, 'size': 15, 'data': 'QO++rd6gxgHg++hnXkTR'}]} |
| 0:16:02.987473 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01c6, FOpts: ), FPort: e0, FRMPayload: 014f, MIC: 675e44d1) |
| 0:16:02.987473 | LOG | Server <-------------------- DUT |
| 0:16:02.987473 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4e3, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b09823c9) |
| 0:16:02.987473 | LOG | PULL\_RESP: Protocol version = 02, Token = 1eae, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2530781547, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A46TgruQCl3gtyC5DJ+sRjHqaJcPK1lg08VEqLEWs79I486eMyXtWfLn9A8goNOqFkndJwrdPq7kEM6i6e2oT/czrOsO7nO+NF+nMxqiy6rvJEN1yh3+c9fwMMUXovgE41TA3364kNpzr37109s3l7PWtqqz6nedds383q8ODeFTSK5qLCmT08B9TkMdSqRp5+RwlfPfAnRPz+ETqfWCu6gzNhd3K3ATnRJmqBgYIlq8hJ489KOIULLE3UiUAg3WpHFl1oycpmUixgPitoRzGVVl/9zwBNlih3i5/vS0DwoZW0DGBLxP9x8ZmQtUd5ZaRU+4FnTewmCPJ'}} |
| 0:16:02.987473 | LOG | Server --------------------> DUT |
| 0:16:02.987473 | LOG | TX\_ACK: 02 1eae 05 aa555a0000240409 |
| 0:16:04.027620 | LOG | PULL\_DATA: 02 ecbc 02 aa555a0000240409 |
| 0:16:04.027620 | LOG | PULL\_ACK: 02 ecbc 04 |
| 0:16:07.827993 | LOG | PUSH\_ACK: 02 12f1 01 |
| 0:16:07.830007 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12f1, Identifier = 00, JSON = {'rxpk': [{'tmst': 2534629322, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6gxwHgbGxUlrKN'}]} |
| 0:16:07.830007 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01c7, FOpts: ), FPort: e0, FRMPayload: 0150, MIC: 5496b28d) |
| 0:16:07.830007 | LOG | Server <-------------------- DUT |
| 0:16:07.830007 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4e4, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8f4b28cb) |
| 0:16:07.830007 | LOG | PULL\_RESP: Protocol version = 02, Token = 51c6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2535629322, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A5KTgyYZeuL4wynAyld3kn6Ipgvj/BA24enJHKtfxZU2+dxvhjeCx2PjGoBGPFigGbBUknEBrwZuRwPRtkwC4X1nHS2X8LhXojIHYEQI7j62HT5mSNPSgZ3bmhwL8cTZ8/a7JAsK6aQj2y2rWeFXDvdJyoUxbZGRaUiHBuWn6yvX1BOmsFIA18VjfHFHahL9OXRq3wTjb4bblJyNfAgy03KVrpdq1Tv+P3hlDHQdjfJ2qnoAUpCdbmO2HMgtq2VzSuwi1DZpw8BGKliFUSBibE/3cPljaAHr0jy4tUMikcg/wWsjj6EGKJDK4/3E2aEvli2NU10OPSyjL'}} |
| 0:16:07.830007 | LOG | Server --------------------> DUT |
| 0:16:07.830007 | LOG | TX\_ACK: 02 51c6 05 aa555a0000240409 |
| 0:16:12.666221 | LOG | PUSH\_ACK: 02 12f2 01 |
| 0:16:12.666221 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12f2, Identifier = 00, JSON = {'rxpk': [{'tmst': 2539477106, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -48, 'size': 15, 'data': 'QO++rd6gyAHgtvDsWu7R'}]} |
| 0:16:12.666221 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01c8, FOpts: ), FPort: e0, FRMPayload: 0151, MIC: ec5aeed1) |
| 0:16:12.666221 | LOG | Server <-------------------- DUT |
| 0:16:12.666221 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4e5, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9e6a88b2) |
| 0:16:12.666221 | LOG | PULL\_RESP: Protocol version = 02, Token = 2bae, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2540477106, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'oO++rd4A5aTg4IL0UCjJiNNy+tjz4PM6M0NRUde5foxoRQlcHVEMkajmYj6ICjdtB82nzx45O3UhHlwf7g3Ti+m15JKrmsmxISRfdu46EC4PcV9aY7yb0vSA9QNxQobsqOYKCgkAExwUHRget84ccy5/Grhr6lE1dvazIUIRe08RY00FW0FUpYd8jjpB8drSrsREHvRCzTvSC4164WMRgjF2nyI3RVk6DrMRsAUkE5Jmydc9XS6SfnQjuMkMtIdPnQq+SPxkUBkJ/wyZcKp7ADLgok6wWntUpARYJPxexnJCe3Qt9odiVrQsitNP7X+X+suKE7pFPVMIYXSeaoiy'}} |
| 0:16:12.666221 | LOG | Server --------------------> DUT |
| 0:16:12.666221 | LOG | TX\_ACK: 02 2bae 05 aa555a0000240409 |
| 0:16:14.114425 | LOG | PULL\_DATA: 02 d712 02 aa555a0000240409 |
| 0:16:14.114425 | LOG | PULL\_ACK: 02 d712 04 |
| 0:16:17.530031 | LOG | PUSH\_ACK: 02 12f3 01 |
| 0:16:17.532294 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12f3, Identifier = 00, JSON = {'rxpk': [{'tmst': 2544324823, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6gyQHgylJphfzP'}]} |
| 0:16:17.532294 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: a0, FCnt: 01c9, FOpts: ), FPort: e0, FRMPayload: 0152, MIC: 6985fccf) |
| 0:16:17.532294 | LOG | Server <-------------------- DUT |
| 0:16:17.532294 | LOG | Number of downlinks: 5 |
| 0:16:17.540359 | LOG | Number of errors: 0 |
| 0:16:17.540359 | LOG | Packet Error Rate (%): 0.0 |
| 0:16:17.540359 | LOG | Packet error rate SF8BW500 process tested successfully |
| 0:16:17.540359 | LOG | End Test Step: Test packet error rate for SF8BW500 using RX1 window |
| 0:16:17.540359 | LOG | Partial Verdict: PASS |
| 0:16:17.550330 | LOG | ========================================================= |
| 0:16:17.550330 | LOG | ========================================================= |
| 0:16:17.550330 | LOG | Start Test Step: Test mode deactivation |
| 0:16:17.550330 | LOG | Test Mode deactivation process starts |
| 0:16:17.560330 | LOG | End Test Step: Test mode deactivation |
| 0:16:17.560330 | LOG | TEST STEP NOT APPLICABLE |
| 0:16:17.560330 | LOG | ========================================================= |
| 0:16:17.570362 | LOG | End Test Case: TP\_A\_US915\_ED\_MAC\_BV\_012\_A |
| 0:16:17.570362 | LOG | Final Verdict: PASS |

|  |  |  |
| --- | --- | --- |
| **Test Case** | TP\_A\_US915\_ED\_MAC\_BV\_012\_B | |
| **Verdict** | PASS | |
| **Date** | 2021-08-03 17:12:43 | |
| **Description** | RX1 Receive window test (Part 2) | |
| **Technology Version** | LCTT v3.3.0\_R1 | GUI v1.9.0 | |
| **Core Version** | LoRaWAN\_L2v1.0.4/RP2\_v1.0.1 | |
| **Test Specs Version** | USv1.5.1/EUv1.6/KRv1.2.1/ASv1.1.1/INv1.1.1/ALL\_Av1.3/ALL\_Cv1.0 | |
| **Project** | HTLRBL32L - US915 | |
| **Project Creation Date** | 2021-07-19 10:56:56 | |
| **Sample** | DevID:HTLRBL32L testboard | AppID:1 | SW:1 | HW:1 | |
| **Parameters** | Data Rates to be measured | ALL |
|  | End test case when limit exceeded | TRUE |
|  | Conformance | TRUE |

|  |  |  |
| --- | --- | --- |
| **Time Stamp (ms)** | **Event** | **Summary** |
| 0:00:00.000254 | LOG | Start Test Case: TP\_A\_US915\_ED\_MAC\_BV\_012\_B |
| 0:00:00.030288 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT UPDATES. |
| 0:00:00.030288 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT TECHNOLOGY PACKAGES. |
| 0:00:00.040256 | LOG | ========================================================= |
| 0:00:00.040256 | LOG | Start Test Step: Device activation |
| 0:00:00.080253 | LOG | Activation process has finished successfully |
| 0:00:00.090290 | LOG | Data stored in the DUT after Activation: |
| 0:00:00.090290 | LOG | DevAddr: efbeadde |
| 0:00:00.090290 | LOG | AppEUI: 1111111111111111 |
| 0:00:00.090290 | LOG | NwkSKey: 11111111111111111111111111111111 |
| 0:00:00.090290 | LOG | AppSKey: 11111111111111111111111111111111 |
| 0:00:00.090290 | LOG | End Test Step: Device activation |
| 0:00:00.100254 | LOG | Partial Verdict: PASS |
| 0:00:00.100254 | LOG | ========================================================= |
| 0:00:00.100254 | LOG | ========================================================= |
| 0:00:00.100254 | LOG | Start Test Step: Test mode activation |
| 0:00:00.110257 | LOG | Test Mode activation process starts |
| 0:00:00.110257 | LOG | Test Mode has been enabled successfully |
| 0:00:00.120254 | LOG | Send LinkADRReq process starts |
| 0:00:02.816650 | LOG | PUSH\_DATA received while waiting first PULL\_DATA |
| 0:00:04.688690 | LOG | PULL\_DATA: 02 3018 02 aa555a0000240409 |
| 0:00:04.688690 | LOG | PULL\_ACK: 02 3018 04 |
| 0:00:04.688690 | LOG | First PULL\_DATA received |
| 0:00:07.660565 | LOG | PUSH\_ACK: 02 12f5 01 |
| 0:00:07.660565 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12f5, Identifier = 00, JSON = {'rxpk': [{'tmst': 2554020349, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AywHgoc/PsPSy'}]} |
| 0:00:07.660565 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01cb, FOpts: ), FPort: e0, FRMPayload: 0152, MIC: cfb0f4b2) |
| 0:00:07.660565 | LOG | Server <-------------------- DUT |
| 0:00:07.660565 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4e6, FOpts: ), FPort: 00, FRMPayload: 0345010071), MIC: 2168c85b) |
| 0:00:07.660565 | LOG | PULL\_RESP: Protocol version = 02, Token = a2a5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2555020349, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A5qQA5qfRpc8haMhb'}} |
| 0:00:07.660565 | LOG | Server --------------------> DUT |
| 0:00:07.660565 | LOG | TX\_ACK: 02 a2a5 05 aa555a0000240409 |
| 0:00:12.535536 | LOG | PUSH\_ACK: 02 12f6 01 |
| 0:00:12.535536 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12f6, Identifier = 00, JSON = {'rxpk': [{'tmst': 2558868447, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -48, 'size': 17, 'data': 'QO++rd6CzAEDB+A4l1UDHQY='}]} |
| 0:00:12.535536 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 01cc, FOpts: 0307), FPort: e0, FRMPayload: 0153, MIC: 55031d06) |
| 0:00:12.535536 | LOG | Server <-------------------- DUT |
| 0:00:12.535536 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:12.535536 | LOG | Command Answer: 0307 |
| 0:00:12.545493 | LOG | MAC command communication completed |
| 0:00:12.545493 | LOG | Send LinkADRReq process starts |
| 0:00:14.805873 | LOG | PULL\_DATA: 02 8404 02 aa555a0000240409 |
| 0:00:14.805873 | LOG | PULL\_ACK: 02 8404 04 |
| 0:00:17.380702 | LOG | PUSH\_ACK: 02 12f8 01 |
| 0:00:17.380702 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12f8, Identifier = 00, JSON = {'rxpk': [{'tmst': 2563715835, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AzQHgmRzsW8j0'}]} |
| 0:00:17.383526 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01cd, FOpts: ), FPort: e0, FRMPayload: 0153, MIC: ec5bc8f4) |
| 0:00:17.383526 | LOG | Server <-------------------- DUT |
| 0:00:17.383526 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4e7, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: 7b032a23) |
| 0:00:17.383526 | LOG | PULL\_RESP: Protocol version = 02, Token = 0d03, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2564715835, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A56QAZfLTnN17Ayoj'}} |
| 0:00:17.383526 | LOG | Server --------------------> DUT |
| 0:00:17.383526 | LOG | TX\_ACK: 02 0d03 05 aa555a0000240409 |
| 0:00:22.339552 | LOG | PUSH\_ACK: 02 12f9 01 |
| 0:00:22.339552 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12f9, Identifier = 00, JSON = {'rxpk': [{'tmst': 2568668621, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -46, 'size': 17, 'data': 'QO++rd6CzgEDB+D22a+bjiE='}]} |
| 0:00:22.339552 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 01ce, FOpts: 0307), FPort: e0, FRMPayload: 0154, MIC: af9b8e21) |
| 0:00:22.339552 | LOG | Server <-------------------- DUT |
| 0:00:22.339552 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:22.339552 | LOG | Command Answer: 0307 |
| 0:00:22.339552 | LOG | MAC command communication completed |
| 0:00:22.349553 | LOG | End Test Step: Test mode activation |
| 0:00:22.349553 | LOG | Partial Verdict: PASS |
| 0:00:22.349553 | LOG | ========================================================= |
| 0:00:22.349553 | LOG | ========================================================= |
| 0:00:22.359561 | LOG | Start Test Step: Test packet error rate for SF12BW500 using RX1 window |
| 0:00:22.359561 | LOG | Send LinkADRReq process starts |
| 0:00:24.998865 | LOG | PULL\_DATA: 02 a9fd 02 aa555a0000240409 |
| 0:00:24.998865 | LOG | PULL\_ACK: 02 a9fd 04 |
| 0:00:27.231723 | LOG | PUSH\_ACK: 02 12fa 01 |
| 0:00:27.231723 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12fa, Identifier = 00, JSON = {'rxpk': [{'tmst': 2573511101, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AzwHgtWADOfTs'}]} |
| 0:00:27.231723 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01cf, FOpts: ), FPort: e0, FRMPayload: 0154, MIC: 0339f4ec) |
| 0:00:27.231723 | LOG | Server <-------------------- DUT |
| 0:00:27.231723 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4e8, FOpts: ), FPort: 00, FRMPayload: 0305ff0001), MIC: d52ccd23) |
| 0:00:27.231723 | LOG | PULL\_RESP: Protocol version = 02, Token = 2a3d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2574511101, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A6KQA4yYixIHVLM0j'}} |
| 0:00:27.231723 | LOG | Server --------------------> DUT |
| 0:00:27.231723 | LOG | TX\_ACK: 02 2a3d 05 aa555a0000240409 |
| 0:00:32.244293 | LOG | PUSH\_ACK: 02 12fb 01 |
| 0:00:32.244293 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12fb, Identifier = 00, JSON = {'rxpk': [{'tmst': 2578591572, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -49, 'size': 17, 'data': 'QO++rd6C0AEDB+D8Th7/Jig='}]} |
| 0:00:32.244293 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 01d0, FOpts: 0307), FPort: e0, FRMPayload: 0155, MIC: 1eff2628) |
| 0:00:32.244293 | LOG | Server <-------------------- DUT |
| 0:00:32.244293 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:32.244293 | LOG | Command Answer: 0307 |
| 0:00:32.244293 | LOG | MAC command communication completed |
| 0:00:32.254247 | LOG | Send RXParamSetupReq process starts |
| 0:00:35.044609 | LOG | PULL\_DATA: 02 2a5a 02 aa555a0000240409 |
| 0:00:35.044609 | LOG | PULL\_ACK: 02 2a5a 04 |
| 0:00:37.104937 | LOG | PUSH\_ACK: 02 12fc 01 |
| 0:00:37.104937 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12fc, Identifier = 00, JSON = {'rxpk': [{'tmst': 2583433820, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -42, 'size': 15, 'data': 'QO++rd6A0QHgL4zgt6pm'}]} |
| 0:00:37.104937 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01d1, FOpts: ), FPort: e0, FRMPayload: 0155, MIC: e0b7aa66) |
| 0:00:37.104937 | LOG | Server <-------------------- DUT |
| 0:00:37.104937 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4e9, FOpts: ), FPort: 00, FRMPayload: 052868e28c), MIC: 42ff7807) |
| 0:00:37.104937 | LOG | PULL\_RESP: Protocol version = 02, Token = 3d8b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2584433820, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A6aQAV/bSWKxC/3gH'}} |
| 0:00:37.104937 | LOG | Server --------------------> DUT |
| 0:00:37.104937 | LOG | TX\_ACK: 02 3d8b 05 aa555a0000240409 |
| 0:00:41.982070 | LOG | PUSH\_ACK: 02 12fd 01 |
| 0:00:41.982070 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12fd, Identifier = 00, JSON = {'rxpk': [{'tmst': 2588276771, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 5.3, 'rssi': -53, 'size': 17, 'data': 'QO++rd6C0gEFB+ABdeZcmFs='}]} |
| 0:00:41.982070 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 01d2, FOpts: 0507), FPort: e0, FRMPayload: 0156, MIC: e65c985b) |
| 0:00:41.982070 | LOG | Server <-------------------- DUT |
| 0:00:41.982070 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:41.982070 | LOG | Command Answer: 0507 |
| 0:00:41.992033 | LOG | Send ACK to DUT process starts |
| 0:00:41.992033 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4ea, FOpts: ), FPort: , FRMPayload: ), MIC: 298eb904) |
| 0:00:41.992033 | LOG | PULL\_RESP: Protocol version = 02, Token = e6cd, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2589276771, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4A6qQpjrkE'}} |
| 0:00:41.992033 | LOG | Server --------------------> DUT |
| 0:00:41.992033 | LOG | Send ACK to DUT tested successfully |
| 0:00:42.002032 | LOG | MAC command communication completed |
| 0:00:42.002032 | LOG | Packet error rate (Unconfirmed) SF10BW125 process starts |
| 0:00:45.083415 | LOG | PULL\_DATA: 02 10cc 02 aa555a0000240409 |
| 0:00:45.083415 | LOG | PULL\_ACK: 02 10cc 04 |
| 0:00:46.799748 | LOG | PUSH\_ACK: 02 12ff 01 |
| 0:00:46.801806 | LOG | PUSH\_DATA: Protocol version = 02, Token = 12ff, Identifier = 00, JSON = {'rxpk': [{'tmst': 2593118939, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6A0wHgpMC1xhPH'}]} |
| 0:00:46.801806 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01d3, FOpts: ), FPort: e0, FRMPayload: 0157, MIC: b5c613c7) |
| 0:00:46.801806 | LOG | Server <-------------------- DUT |
| 0:00:46.801806 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4eb, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 86036831) |
| 0:00:46.801806 | LOG | PULL\_RESP: Protocol version = 02, Token = 6001, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2594118939, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A66TgUYYDaDE='}} |
| 0:00:46.801806 | LOG | Server --------------------> DUT |
| 0:00:46.801806 | LOG | TX\_ACK: 02 6001 05 aa555a0000240409 |
| 0:00:51.625604 | LOG | PUSH\_ACK: 02 1300 01 |
| 0:00:51.625604 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1300, Identifier = 00, JSON = {'rxpk': [{'tmst': 2597961444, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A1AHgNthCdi+Y'}]} |
| 0:00:51.625604 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01d4, FOpts: ), FPort: e0, FRMPayload: 0158, MIC: 42762f98) |
| 0:00:51.625604 | LOG | Server <-------------------- DUT |
| 0:00:51.625604 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4ec, FOpts: ), FPort: e0, FRMPayload: 03), MIC: eb798e06) |
| 0:00:51.625604 | LOG | PULL\_RESP: Protocol version = 02, Token = fb74, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2598961444, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A7KTgU+t5jgY='}} |
| 0:00:51.625604 | LOG | Server --------------------> DUT |
| 0:00:51.625604 | LOG | TX\_ACK: 02 fb74 05 aa555a0000240409 |
| 0:00:55.094060 | LOG | PULL\_DATA: 02 efb0 02 aa555a0000240409 |
| 0:00:55.094060 | LOG | PULL\_ACK: 02 efb0 04 |
| 0:00:56.483055 | LOG | PUSH\_ACK: 02 1301 01 |
| 0:00:56.485181 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1301, Identifier = 00, JSON = {'rxpk': [{'tmst': 2602803954, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6A1QHg1m+x4Pb6'}]} |
| 0:00:56.485181 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01d5, FOpts: ), FPort: e0, FRMPayload: 0159, MIC: b1e0f6fa) |
| 0:00:56.485181 | LOG | Server <-------------------- DUT |
| 0:00:56.485181 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4ed, FOpts: ), FPort: e0, FRMPayload: 03), MIC: db729981) |
| 0:00:56.485181 | LOG | PULL\_RESP: Protocol version = 02, Token = ac23, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2603803954, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A7aTgINtymYE='}} |
| 0:00:56.485181 | LOG | Server --------------------> DUT |
| 0:00:56.485181 | LOG | TX\_ACK: 02 ac23 05 aa555a0000240409 |
| 0:01:01.337025 | LOG | PUSH\_ACK: 02 1302 01 |
| 0:01:01.339040 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1302, Identifier = 00, JSON = {'rxpk': [{'tmst': 2607686899, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6A1gHgoZ0D/HvN'}]} |
| 0:01:01.339040 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01d6, FOpts: ), FPort: e0, FRMPayload: 015a, MIC: 03fc7bcd) |
| 0:01:01.339040 | LOG | Server <-------------------- DUT |
| 0:01:01.339040 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4ee, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 36c0ef12) |
| 0:01:01.339040 | LOG | PULL\_RESP: Protocol version = 02, Token = 01a5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2608686899, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A7qTgHDbA7xI='}} |
| 0:01:01.339040 | LOG | Server --------------------> DUT |
| 0:01:01.339040 | LOG | TX\_ACK: 02 01a5 05 aa555a0000240409 |
| 0:01:05.233230 | LOG | PULL\_DATA: 02 6220 02 aa555a0000240409 |
| 0:01:05.233230 | LOG | PULL\_ACK: 02 6220 04 |
| 0:01:06.179971 | LOG | PUSH\_ACK: 02 1303 01 |
| 0:01:06.179971 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1303, Identifier = 00, JSON = {'rxpk': [{'tmst': 2612529549, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6A1wHgaTzXeLbc'}]} |
| 0:01:06.179971 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01d7, FOpts: ), FPort: e0, FRMPayload: 015b, MIC: d778b6dc) |
| 0:01:06.179971 | LOG | Server <-------------------- DUT |
| 0:01:06.179971 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4ef, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c382af27) |
| 0:01:06.179971 | LOG | PULL\_RESP: Protocol version = 02, Token = 8903, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2613529549, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A76Tgm8OCryc='}} |
| 0:01:06.179971 | LOG | Server --------------------> DUT |
| 0:01:06.179971 | LOG | TX\_ACK: 02 8903 05 aa555a0000240409 |
| 0:01:11.049873 | LOG | PUSH\_ACK: 02 1304 01 |
| 0:01:11.051896 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1304, Identifier = 00, JSON = {'rxpk': [{'tmst': 2617371988, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6A2AHgUvjyQRDv'}]} |
| 0:01:11.051896 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01d8, FOpts: ), FPort: e0, FRMPayload: 015c, MIC: f24110ef) |
| 0:01:11.051896 | LOG | Server <-------------------- DUT |
| 0:01:11.051896 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4f0, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e16cf41f) |
| 0:01:11.051896 | LOG | PULL\_RESP: Protocol version = 02, Token = 16d2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2618371988, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A8KTg+OFs9B8='}} |
| 0:01:11.051896 | LOG | Server --------------------> DUT |
| 0:01:11.051896 | LOG | TX\_ACK: 02 16d2 05 aa555a0000240409 |
| 0:01:15.342956 | LOG | PULL\_DATA: 02 5789 02 aa555a0000240409 |
| 0:01:15.342956 | LOG | PULL\_ACK: 02 5789 04 |
| 0:01:15.886832 | LOG | PUSH\_ACK: 02 1305 01 |
| 0:01:15.886832 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1305, Identifier = 00, JSON = {'rxpk': [{'tmst': 2622214429, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6A2QHg8TaFAT3s'}]} |
| 0:01:15.886832 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01d9, FOpts: ), FPort: e0, FRMPayload: 015d, MIC: 85013dec) |
| 0:01:15.886832 | LOG | Server <-------------------- DUT |
| 0:01:15.886832 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4f1, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 34cc46f7) |
| 0:01:15.886832 | LOG | PULL\_RESP: Protocol version = 02, Token = 0caa, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2623214429, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A8aTg3TTMRvc='}} |
| 0:01:15.886832 | LOG | Server --------------------> DUT |
| 0:01:15.886832 | LOG | TX\_ACK: 02 0caa 05 aa555a0000240409 |
| 0:01:20.791114 | LOG | PUSH\_ACK: 02 1307 01 |
| 0:01:20.791114 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1307, Identifier = 00, JSON = {'rxpk': [{'tmst': 2627056870, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A2gHgZ3qZlL2i'}]} |
| 0:01:20.791114 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01da, FOpts: ), FPort: e0, FRMPayload: 015e, MIC: 9994bda2) |
| 0:01:20.791114 | LOG | Server <-------------------- DUT |
| 0:01:20.791114 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4f2, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b237803f) |
| 0:01:20.791114 | LOG | PULL\_RESP: Protocol version = 02, Token = d764, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2628056870, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A8qTgabI3gD8='}} |
| 0:01:20.791114 | LOG | Server --------------------> DUT |
| 0:01:20.791114 | LOG | TX\_ACK: 02 d764 05 aa555a0000240409 |
| 0:01:25.542262 | LOG | PULL\_DATA: 02 e2bd 02 aa555a0000240409 |
| 0:01:25.542262 | LOG | PULL\_ACK: 02 e2bd 04 |
| 0:01:25.593599 | LOG | PUSH\_ACK: 02 1308 01 |
| 0:01:25.595642 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1308, Identifier = 00, JSON = {'rxpk': [{'tmst': 2631899327, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -41, 'size': 15, 'data': 'QO++rd6A2wHgrEsEI+Wt'}]} |
| 0:01:25.595642 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01db, FOpts: ), FPort: e0, FRMPayload: 015f, MIC: 0423e5ad) |
| 0:01:25.595642 | LOG | Server <-------------------- DUT |
| 0:01:25.595642 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4f3, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 2ea3ff55) |
| 0:01:25.595642 | LOG | PULL\_RESP: Protocol version = 02, Token = 63b9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2632899327, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A86Tgby6j/1U='}} |
| 0:01:25.595642 | LOG | Server --------------------> DUT |
| 0:01:25.595642 | LOG | TX\_ACK: 02 63b9 05 aa555a0000240409 |
| 0:01:30.422180 | LOG | PUSH\_ACK: 02 1309 01 |
| 0:01:30.424270 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1309, Identifier = 00, JSON = {'rxpk': [{'tmst': 2636741719, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6A3AHg+8ErcqiP'}]} |
| 0:01:30.424270 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01dc, FOpts: ), FPort: e0, FRMPayload: 0160, MIC: 2b72a88f) |
| 0:01:30.424270 | LOG | Server <-------------------- DUT |
| 0:01:30.424270 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4f4, FOpts: ), FPort: e0, FRMPayload: 03), MIC: efe8bdca) |
| 0:01:30.424270 | LOG | PULL\_RESP: Protocol version = 02, Token = 8aa4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2637741719, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A9KTgo+/ovco='}} |
| 0:01:30.424270 | LOG | Server --------------------> DUT |
| 0:01:30.432554 | LOG | TX\_ACK: 02 8aa4 05 aa555a0000240409 |
| 0:01:35.289151 | LOG | PUSH\_ACK: 02 130a 01 |
| 0:01:35.289151 | LOG | PUSH\_DATA: Protocol version = 02, Token = 130a, Identifier = 00, JSON = {'rxpk': [{'tmst': 2641584167, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6A3QHgMSmTYBf3'}]} |
| 0:01:35.289151 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01dd, FOpts: ), FPort: e0, FRMPayload: 0161, MIC: 936017f7) |
| 0:01:35.289151 | LOG | Server <-------------------- DUT |
| 0:01:35.289151 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4f5, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 24c41088) |
| 0:01:35.289151 | LOG | PULL\_RESP: Protocol version = 02, Token = 42f5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2642584167, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A9aTgUyTEEIg='}} |
| 0:01:35.289151 | LOG | Server --------------------> DUT |
| 0:01:35.289151 | LOG | TX\_ACK: 02 42f5 05 aa555a0000240409 |
| 0:01:35.709089 | LOG | PULL\_DATA: 02 68e5 02 aa555a0000240409 |
| 0:01:35.709089 | LOG | PULL\_ACK: 02 68e5 04 |
| 0:01:40.149298 | LOG | PUSH\_ACK: 02 130b 01 |
| 0:01:40.149298 | LOG | PUSH\_DATA: Protocol version = 02, Token = 130b, Identifier = 00, JSON = {'rxpk': [{'tmst': 2646467136, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A3gHgSMYwa0zb'}]} |
| 0:01:40.149298 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01de, FOpts: ), FPort: e0, FRMPayload: 0162, MIC: 306b4cdb) |
| 0:01:40.149298 | LOG | Server <-------------------- DUT |
| 0:01:40.149298 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4f6, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 7f78cf86) |
| 0:01:40.149298 | LOG | PULL\_RESP: Protocol version = 02, Token = 3696, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2647467136, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A9qTg+394z4Y='}} |
| 0:01:40.149298 | LOG | Server --------------------> DUT |
| 0:01:40.149298 | LOG | TX\_ACK: 02 3696 05 aa555a0000240409 |
| 0:01:44.976661 | LOG | PUSH\_ACK: 02 130c 01 |
| 0:01:44.978711 | LOG | PUSH\_DATA: Protocol version = 02, Token = 130c, Identifier = 00, JSON = {'rxpk': [{'tmst': 2651309569, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -42, 'size': 15, 'data': 'QO++rd6A3wHgJj6Pvp0H'}]} |
| 0:01:44.978711 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01df, FOpts: ), FPort: e0, FRMPayload: 0163, MIC: 8fbe9d07) |
| 0:01:44.978711 | LOG | Server <-------------------- DUT |
| 0:01:44.978711 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4f7, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 57fb8b1f) |
| 0:01:44.978711 | LOG | PULL\_RESP: Protocol version = 02, Token = c98b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2652309569, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A96TgS1f7ix8='}} |
| 0:01:44.978711 | LOG | Server --------------------> DUT |
| 0:01:44.978711 | LOG | TX\_ACK: 02 c98b 05 aa555a0000240409 |
| 0:01:45.808915 | LOG | PULL\_DATA: 02 61c3 02 aa555a0000240409 |
| 0:01:45.808915 | LOG | PULL\_ACK: 02 61c3 04 |
| 0:01:49.819641 | LOG | PUSH\_ACK: 02 130e 01 |
| 0:01:49.819641 | LOG | PUSH\_DATA: Protocol version = 02, Token = 130e, Identifier = 00, JSON = {'rxpk': [{'tmst': 2656151928, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6A4AHgqhRNTxaZ'}]} |
| 0:01:49.819641 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01e0, FOpts: ), FPort: e0, FRMPayload: 0164, MIC: 4d4f1699) |
| 0:01:49.819641 | LOG | Server <-------------------- DUT |
| 0:01:49.819641 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4f8, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 3426321d) |
| 0:01:49.819641 | LOG | PULL\_RESP: Protocol version = 02, Token = 1231, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2657151928, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A+KTg+jQmMh0='}} |
| 0:01:49.819641 | LOG | Server --------------------> DUT |
| 0:01:49.819641 | LOG | TX\_ACK: 02 1231 05 aa555a0000240409 |
| 0:01:54.696225 | LOG | PUSH\_ACK: 02 130f 01 |
| 0:01:54.698280 | LOG | PUSH\_DATA: Protocol version = 02, Token = 130f, Identifier = 00, JSON = {'rxpk': [{'tmst': 2660994367, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6A4QHgShbKY8TM'}]} |
| 0:01:54.698280 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01e1, FOpts: ), FPort: e0, FRMPayload: 0165, MIC: ca63c4cc) |
| 0:01:54.698280 | LOG | Server <-------------------- DUT |
| 0:01:54.698280 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4f9, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 9282f740) |
| 0:01:54.698280 | LOG | PULL\_RESP: Protocol version = 02, Token = 1dcd, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2661994367, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A+aTg8ZKC90A='}} |
| 0:01:54.698280 | LOG | Server --------------------> DUT |
| 0:01:54.698280 | LOG | TX\_ACK: 02 1dcd 05 aa555a0000240409 |
| 0:01:55.946207 | LOG | PULL\_DATA: 02 0c16 02 aa555a0000240409 |
| 0:01:55.946207 | LOG | PULL\_ACK: 02 0c16 04 |
| 0:01:59.545761 | LOG | PUSH\_ACK: 02 1310 01 |
| 0:01:59.545761 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1310, Identifier = 00, JSON = {'rxpk': [{'tmst': 2665836953, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A4gHgcmQ41TvZ'}]} |
| 0:01:59.545761 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01e2, FOpts: ), FPort: e0, FRMPayload: 0166, MIC: 38d53bd9) |
| 0:01:59.545761 | LOG | Server <-------------------- DUT |
| 0:01:59.545761 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4fa, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 4abdc515) |
| 0:01:59.545761 | LOG | PULL\_RESP: Protocol version = 02, Token = c082, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2666836953, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A+qTgUkq9xRU='}} |
| 0:01:59.545761 | LOG | Server --------------------> DUT |
| 0:01:59.545761 | LOG | TX\_ACK: 02 c082 05 aa555a0000240409 |
| 0:02:04.347610 | LOG | PUSH\_ACK: 02 1311 01 |
| 0:02:04.347610 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1311, Identifier = 00, JSON = {'rxpk': [{'tmst': 2670679394, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -42, 'size': 15, 'data': 'QO++rd6A4wHgOIqEkikk'}]} |
| 0:02:04.347610 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01e3, FOpts: ), FPort: e0, FRMPayload: 0167, MIC: 84922924) |
| 0:02:04.347610 | LOG | Server <-------------------- DUT |
| 0:02:04.347610 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4fb, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 1de93986) |
| 0:02:04.347610 | LOG | PULL\_RESP: Protocol version = 02, Token = 9719, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2671679394, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A+6TgJh3pOYY='}} |
| 0:02:04.347610 | LOG | Server --------------------> DUT |
| 0:02:04.354165 | LOG | TX\_ACK: 02 9719 05 aa555a0000240409 |
| 0:02:05.999144 | LOG | PULL\_DATA: 02 bd28 02 aa555a0000240409 |
| 0:02:05.999144 | LOG | PULL\_ACK: 02 bd28 04 |
| 0:02:09.203508 | LOG | PUSH\_ACK: 02 1312 01 |
| 0:02:09.205558 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1312, Identifier = 00, JSON = {'rxpk': [{'tmst': 2675521793, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6A5AHgnYUEpddL'}]} |
| 0:02:09.205558 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01e4, FOpts: ), FPort: e0, FRMPayload: 0168, MIC: 04a5d74b) |
| 0:02:09.205558 | LOG | Server <-------------------- DUT |
| 0:02:09.205558 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4fc, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 777c2634) |
| 0:02:09.205558 | LOG | PULL\_RESP: Protocol version = 02, Token = 383f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2676521793, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A/KTg83d8JjQ='}} |
| 0:02:09.205558 | LOG | Server --------------------> DUT |
| 0:02:09.205558 | LOG | TX\_ACK: 02 383f 05 aa555a0000240409 |
| 0:02:13.185962 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:02:13.185962 | LOG | Previous uplink Frame type (FType): 011 |
| 0:02:14.032119 | LOG | PUSH\_ACK: 02 1314 01 |
| 0:02:14.032119 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1314, Identifier = 00, JSON = {'rxpk': [{'tmst': 2680364217, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -41, 'size': 15, 'data': 'QO++rd6A5QHg/pFCxlBe'}]} |
| 0:02:14.032119 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01e5, FOpts: ), FPort: e0, FRMPayload: 0169, MIC: 42c6505e) |
| 0:02:14.032119 | LOG | Server <-------------------- DUT |
| 0:02:14.032119 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4fd, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 111a4d21) |
| 0:02:14.036499 | LOG | PULL\_RESP: Protocol version = 02, Token = a498, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2681364217, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A/aTgthEaTSE='}} |
| 0:02:14.036499 | LOG | Server --------------------> DUT |
| 0:02:14.036499 | LOG | TX\_ACK: 02 a498 05 aa555a0000240409 |
| 0:02:16.089619 | LOG | PULL\_DATA: 02 b6cf 02 aa555a0000240409 |
| 0:02:16.089619 | LOG | PULL\_ACK: 02 b6cf 04 |
| 0:02:18.904397 | LOG | PUSH\_ACK: 02 1316 01 |
| 0:02:18.906542 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1316, Identifier = 00, JSON = {'rxpk': [{'tmst': 2685247055, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6A5gHgZXeEvjgK'}]} |
| 0:02:18.906542 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01e6, FOpts: ), FPort: e0, FRMPayload: 016a, MIC: 84be380a) |
| 0:02:18.906542 | LOG | Server <-------------------- DUT |
| 0:02:18.906542 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4fe, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 332d5d83) |
| 0:02:18.906542 | LOG | PULL\_RESP: Protocol version = 02, Token = 198e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2686247055, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A/qTgJDMtXYM='}} |
| 0:02:18.906542 | LOG | Server --------------------> DUT |
| 0:02:18.906542 | LOG | TX\_ACK: 02 198e 05 aa555a0000240409 |
| 0:02:23.801488 | LOG | PUSH\_ACK: 02 1317 01 |
| 0:02:23.801488 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1317, Identifier = 00, JSON = {'rxpk': [{'tmst': 2690089441, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -41, 'size': 15, 'data': 'QO++rd6A5wHgppqKmIzd'}]} |
| 0:02:23.801488 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01e7, FOpts: ), FPort: e0, FRMPayload: 016b, MIC: 8a988cdd) |
| 0:02:23.801488 | LOG | Server <-------------------- DUT |
| 0:02:23.801488 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a4ff, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 568c053d) |
| 0:02:23.806037 | LOG | PULL\_RESP: Protocol version = 02, Token = 7b64, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2691089441, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A/6TgLFaMBT0='}} |
| 0:02:23.806037 | LOG | Server --------------------> DUT |
| 0:02:23.806037 | LOG | TX\_ACK: 02 7b64 05 aa555a0000240409 |
| 0:02:26.282200 | LOG | PULL\_DATA: 02 a864 02 aa555a0000240409 |
| 0:02:26.282200 | LOG | PULL\_ACK: 02 a864 04 |
| 0:02:28.579381 | LOG | PUSH\_ACK: 02 1318 01 |
| 0:02:28.581401 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1318, Identifier = 00, JSON = {'rxpk': [{'tmst': 2694931793, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6A6AHgm8pqEBLM'}]} |
| 0:02:28.581401 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01e8, FOpts: ), FPort: e0, FRMPayload: 016c, MIC: 6a1012cc) |
| 0:02:28.581401 | LOG | Server <-------------------- DUT |
| 0:02:28.581401 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a500, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 883e2e82) |
| 0:02:28.581401 | LOG | PULL\_RESP: Protocol version = 02, Token = 1983, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2695931793, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AAKXgj4g+LoI='}} |
| 0:02:28.581401 | LOG | Server --------------------> DUT |
| 0:02:28.581401 | LOG | TX\_ACK: 02 1983 05 aa555a0000240409 |
| 0:02:33.423052 | LOG | PUSH\_ACK: 02 1319 01 |
| 0:02:33.425070 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1319, Identifier = 00, JSON = {'rxpk': [{'tmst': 2699774371, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6A6QHg86BMl8kl'}]} |
| 0:02:33.425070 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01e9, FOpts: ), FPort: e0, FRMPayload: 016d, MIC: 4c97c925) |
| 0:02:33.425070 | LOG | Server <-------------------- DUT |
| 0:02:33.425070 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a501, FOpts: ), FPort: e0, FRMPayload: 03), MIC: dd920cbf) |
| 0:02:33.425070 | LOG | PULL\_RESP: Protocol version = 02, Token = 0486, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2700774371, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AAaXgRt2SDL8='}} |
| 0:02:33.425070 | LOG | Server --------------------> DUT |
| 0:02:33.425070 | LOG | TX\_ACK: 02 0486 05 aa555a0000240409 |
| 0:02:36.302053 | LOG | PULL\_DATA: 02 487e 02 aa555a0000240409 |
| 0:02:36.302053 | LOG | PULL\_ACK: 02 487e 04 |
| 0:02:38.294056 | LOG | PUSH\_ACK: 02 131a 01 |
| 0:02:38.296126 | LOG | PUSH\_DATA: Protocol version = 02, Token = 131a, Identifier = 00, JSON = {'rxpk': [{'tmst': 2704616731, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6A6gHgFVma/FbQ'}]} |
| 0:02:38.296126 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01ea, FOpts: ), FPort: e0, FRMPayload: 016e, MIC: 9afc56d0) |
| 0:02:38.296126 | LOG | Server <-------------------- DUT |
| 0:02:38.296126 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a502, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a6414e0d) |
| 0:02:38.296126 | LOG | PULL\_RESP: Protocol version = 02, Token = 3794, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2705616731, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AAqXgdqZBTg0='}} |
| 0:02:38.296126 | LOG | Server --------------------> DUT |
| 0:02:38.296126 | LOG | TX\_ACK: 02 3794 05 aa555a0000240409 |
| 0:02:43.153149 | LOG | PUSH\_ACK: 02 131b 01 |
| 0:02:43.153149 | LOG | PUSH\_DATA: Protocol version = 02, Token = 131b, Identifier = 00, JSON = {'rxpk': [{'tmst': 2709459090, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -41, 'size': 15, 'data': 'QO++rd6A6wHgqK7NRhqw'}]} |
| 0:02:43.153149 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01eb, FOpts: ), FPort: e0, FRMPayload: 016f, MIC: cd461ab0) |
| 0:02:43.153149 | LOG | Server <-------------------- DUT |
| 0:02:43.153149 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a503, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a8a10e68) |
| 0:02:43.153149 | LOG | PULL\_RESP: Protocol version = 02, Token = e57a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2710459090, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AA6XgMaihDmg='}} |
| 0:02:43.153149 | LOG | Server --------------------> DUT |
| 0:02:43.153149 | LOG | TX\_ACK: 02 e57a 05 aa555a0000240409 |
| 0:02:43.271198 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:02:43.271198 | LOG | Previous uplink Frame type (FType): 101 |
| 0:02:46.444685 | LOG | PULL\_DATA: 02 aa6e 02 aa555a0000240409 |
| 0:02:46.444685 | LOG | PULL\_ACK: 02 aa6e 04 |
| 0:02:47.999515 | LOG | PUSH\_ACK: 02 131e 01 |
| 0:02:48.001560 | LOG | PUSH\_DATA: Protocol version = 02, Token = 131e, Identifier = 00, JSON = {'rxpk': [{'tmst': 2714301515, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6A7AHgdQVZYz3a'}]} |
| 0:02:48.001560 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01ec, FOpts: ), FPort: e0, FRMPayload: 0170, MIC: 59633dda) |
| 0:02:48.001560 | LOG | Server <-------------------- DUT |
| 0:02:48.001560 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a504, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 83cb9a0c) |
| 0:02:48.001560 | LOG | PULL\_RESP: Protocol version = 02, Token = fd90, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2715301515, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ABKXgroPLmgw='}} |
| 0:02:48.001560 | LOG | Server --------------------> DUT |
| 0:02:48.001560 | LOG | TX\_ACK: 02 fd90 05 aa555a0000240409 |
| 0:02:52.839497 | LOG | PUSH\_ACK: 02 131f 01 |
| 0:02:52.841570 | LOG | PUSH\_DATA: Protocol version = 02, Token = 131f, Identifier = 00, JSON = {'rxpk': [{'tmst': 2719143883, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6A7QHg0NOaCUNw'}]} |
| 0:02:52.841570 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01ed, FOpts: ), FPort: e0, FRMPayload: 0171, MIC: 9a094370) |
| 0:02:52.841570 | LOG | Server <-------------------- DUT |
| 0:02:52.841570 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a505, FOpts: ), FPort: e0, FRMPayload: 03), MIC: bb83a833) |
| 0:02:52.841570 | LOG | PULL\_RESP: Protocol version = 02, Token = 0174, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2720143883, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ABaXgRbuDqDM='}} |
| 0:02:52.841570 | LOG | Server --------------------> DUT |
| 0:02:52.841570 | LOG | TX\_ACK: 02 0174 05 aa555a0000240409 |
| 0:02:56.570372 | LOG | PULL\_DATA: 02 35db 02 aa555a0000240409 |
| 0:02:56.570372 | LOG | PULL\_ACK: 02 35db 04 |
| 0:02:57.724738 | LOG | PUSH\_ACK: 02 1320 01 |
| 0:02:57.724738 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1320, Identifier = 00, JSON = {'rxpk': [{'tmst': 2724026763, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A7gHgoz8hJSRE'}]} |
| 0:02:57.724738 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01ee, FOpts: ), FPort: e0, FRMPayload: 0172, MIC: 21252444) |
| 0:02:57.724738 | LOG | Server <-------------------- DUT |
| 0:02:57.724738 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a506, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 958a3f34) |
| 0:02:57.724738 | LOG | PULL\_RESP: Protocol version = 02, Token = 381f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2725026763, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ABqXgl5WKPzQ='}} |
| 0:02:57.724738 | LOG | Server --------------------> DUT |
| 0:02:57.724738 | LOG | TX\_ACK: 02 381f 05 aa555a0000240409 |
| 0:03:02.564440 | LOG | PUSH\_ACK: 02 1321 01 |
| 0:03:02.566460 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1321, Identifier = 00, JSON = {'rxpk': [{'tmst': 2728869331, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6A7wHg8pXOVG/x'}]} |
| 0:03:02.566460 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01ef, FOpts: ), FPort: e0, FRMPayload: 0173, MIC: ce546ff1) |
| 0:03:02.566460 | LOG | Server <-------------------- DUT |
| 0:03:02.566460 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a507, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 19f299b6) |
| 0:03:02.566460 | LOG | PULL\_RESP: Protocol version = 02, Token = 9ff8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2729869331, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AB6XgFxnymbY='}} |
| 0:03:02.566460 | LOG | Server --------------------> DUT |
| 0:03:02.566460 | LOG | TX\_ACK: 02 9ff8 05 aa555a0000240409 |
| 0:03:06.698778 | LOG | PULL\_DATA: 02 69e8 02 aa555a0000240409 |
| 0:03:06.698778 | LOG | PULL\_ACK: 02 69e8 04 |
| 0:03:07.438813 | LOG | PUSH\_ACK: 02 1322 01 |
| 0:03:07.438813 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1322, Identifier = 00, JSON = {'rxpk': [{'tmst': 2733711692, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6A8AHg7Grie+Kl'}]} |
| 0:03:07.438813 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01f0, FOpts: ), FPort: e0, FRMPayload: 0174, MIC: e27be2a5) |
| 0:03:07.438813 | LOG | Server <-------------------- DUT |
| 0:03:07.438813 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a508, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 7d750449) |
| 0:03:07.438813 | LOG | PULL\_RESP: Protocol version = 02, Token = 32fd, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2734711692, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ACKXgzH11BEk='}} |
| 0:03:07.438813 | LOG | Server --------------------> DUT |
| 0:03:07.438813 | LOG | TX\_ACK: 02 32fd 05 aa555a0000240409 |
| 0:03:12.258988 | LOG | PUSH\_ACK: 02 1323 01 |
| 0:03:12.261005 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1323, Identifier = 00, JSON = {'rxpk': [{'tmst': 2738554019, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -42, 'size': 15, 'data': 'QO++rd6A8QHgaWktTaEl'}]} |
| 0:03:12.261005 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01f1, FOpts: ), FPort: e0, FRMPayload: 0175, MIC: 2d4da125) |
| 0:03:12.261005 | LOG | Server <-------------------- DUT |
| 0:03:12.261005 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a509, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 96d75ef0) |
| 0:03:12.261005 | LOG | PULL\_RESP: Protocol version = 02, Token = a6a8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2739554019, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ACaXgI5bXXvA='}} |
| 0:03:12.261005 | LOG | Server --------------------> DUT |
| 0:03:12.261005 | LOG | TX\_ACK: 02 a6a8 05 aa555a0000240409 |
| 0:03:16.796284 | LOG | PULL\_DATA: 02 e2c1 02 aa555a0000240409 |
| 0:03:16.796284 | LOG | PULL\_ACK: 02 e2c1 04 |
| 0:03:17.089465 | LOG | PUSH\_ACK: 02 1325 01 |
| 0:03:17.091518 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1325, Identifier = 00, JSON = {'rxpk': [{'tmst': 2743396380, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A8gHg9AT5n9Av'}]} |
| 0:03:17.091518 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01f2, FOpts: ), FPort: e0, FRMPayload: 0176, MIC: f99fd02f) |
| 0:03:17.091518 | LOG | Server <-------------------- DUT |
| 0:03:17.091518 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a50a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: f0ba6f93) |
| 0:03:17.091518 | LOG | PULL\_RESP: Protocol version = 02, Token = 2fa9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2744396380, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ACqXgC/C6b5M='}} |
| 0:03:17.091518 | LOG | Server --------------------> DUT |
| 0:03:17.091518 | LOG | TX\_ACK: 02 2fa9 05 aa555a0000240409 |
| 0:03:21.888506 | LOG | PUSH\_ACK: 02 1326 01 |
| 0:03:21.888506 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1326, Identifier = 00, JSON = {'rxpk': [{'tmst': 2748238771, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6A8wHgsBgn9DvP'}]} |
| 0:03:21.888506 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01f3, FOpts: ), FPort: e0, FRMPayload: 0177, MIC: 27f43bcf) |
| 0:03:21.888506 | LOG | Server <-------------------- DUT |
| 0:03:21.888506 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a50b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 6392523b) |
| 0:03:21.888506 | LOG | PULL\_RESP: Protocol version = 02, Token = e18e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2749238771, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AC6XgBmOSUjs='}} |
| 0:03:21.888506 | LOG | Server --------------------> DUT |
| 0:03:21.888506 | LOG | TX\_ACK: 02 e18e 05 aa555a0000240409 |
| 0:03:26.747497 | LOG | PUSH\_ACK: 02 1327 01 |
| 0:03:26.749569 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1327, Identifier = 00, JSON = {'rxpk': [{'tmst': 2753081067, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6A9AHg2dzD1DFR'}]} |
| 0:03:26.749569 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01f4, FOpts: ), FPort: e0, FRMPayload: 0178, MIC: c3d43151) |
| 0:03:26.749569 | LOG | Server <-------------------- DUT |
| 0:03:26.749569 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a50c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 161878ee) |
| 0:03:26.749569 | LOG | PULL\_RESP: Protocol version = 02, Token = 3505, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2754081067, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ADKXg2hYYeO4='}} |
| 0:03:26.749569 | LOG | Server --------------------> DUT |
| 0:03:26.749569 | LOG | TX\_ACK: 02 3505 05 aa555a0000240409 |
| 0:03:26.960369 | LOG | PULL\_DATA: 02 2996 02 aa555a0000240409 |
| 0:03:26.960369 | LOG | PULL\_ACK: 02 2996 04 |
| 0:03:31.583941 | LOG | PUSH\_ACK: 02 1328 01 |
| 0:03:31.585994 | LOG | MIC MISMATCH! |
| 0:03:31.585994 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1328, Identifier = 00, JSON = {'rxpk': [{'tmst': 2757923515, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': -1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6A9QHgVc0c1VqC'}]} |
| 0:03:31.585994 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01f5, FOpts: ), FPort: e0, FRMPayload: 0179, MIC: 1cd55a82) |
| 0:03:36.473338 | LOG | PUSH\_ACK: 02 1329 01 |
| 0:03:36.475402 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1329, Identifier = 00, JSON = {'rxpk': [{'tmst': 2762806379, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6A9gHgqnRsh9Vr'}]} |
| 0:03:36.475402 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01f6, FOpts: ), FPort: e0, FRMPayload: 0179, MIC: 6c87d56b) |
| 0:03:36.475402 | LOG | Server <-------------------- DUT |
| 0:03:36.475402 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a50d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d2be40d9) |
| 0:03:36.475402 | LOG | PULL\_RESP: Protocol version = 02, Token = 632b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2763806379, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ADaXgrdK+QNk='}} |
| 0:03:36.475402 | LOG | Server --------------------> DUT |
| 0:03:36.475402 | LOG | TX\_ACK: 02 632b 05 aa555a0000240409 |
| 0:03:37.104672 | LOG | PULL\_DATA: 02 533e 02 aa555a0000240409 |
| 0:03:37.104672 | LOG | PULL\_ACK: 02 533e 04 |
| 0:03:41.299390 | LOG | PUSH\_ACK: 02 132a 01 |
| 0:03:41.301441 | LOG | PUSH\_DATA: Protocol version = 02, Token = 132a, Identifier = 00, JSON = {'rxpk': [{'tmst': 2767648931, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6A9wHgVT28o1FH'}]} |
| 0:03:41.301441 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01f7, FOpts: ), FPort: e0, FRMPayload: 017a, MIC: bca35147) |
| 0:03:41.301441 | LOG | Server <-------------------- DUT |
| 0:03:41.301441 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a50e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e59dd854) |
| 0:03:41.301441 | LOG | PULL\_RESP: Protocol version = 02, Token = c3fb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2768648931, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ADqXgt+Wd2FQ='}} |
| 0:03:41.301441 | LOG | Server --------------------> DUT |
| 0:03:41.301441 | LOG | TX\_ACK: 02 c3fb 05 aa555a0000240409 |
| 0:03:46.181072 | LOG | PUSH\_ACK: 02 132b 01 |
| 0:03:46.181072 | LOG | PUSH\_DATA: Protocol version = 02, Token = 132b, Identifier = 00, JSON = {'rxpk': [{'tmst': 2772491307, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6A+AHgUItTLhIO'}]} |
| 0:03:46.181072 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01f8, FOpts: ), FPort: e0, FRMPayload: 017b, MIC: 532e120e) |
| 0:03:46.181072 | LOG | Server <-------------------- DUT |
| 0:03:46.181072 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a50f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c4cdc3e1) |
| 0:03:46.181072 | LOG | PULL\_RESP: Protocol version = 02, Token = 9b92, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2773491307, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AD6Xgp8TNw+E='}} |
| 0:03:46.181072 | LOG | Server --------------------> DUT |
| 0:03:46.181072 | LOG | TX\_ACK: 02 9b92 05 aa555a0000240409 |
| 0:03:47.231017 | LOG | PULL\_DATA: 02 8f15 02 aa555a0000240409 |
| 0:03:47.231017 | LOG | PULL\_ACK: 02 8f15 04 |
| 0:03:50.980853 | LOG | PUSH\_ACK: 02 132d 01 |
| 0:03:50.980853 | LOG | PUSH\_DATA: Protocol version = 02, Token = 132d, Identifier = 00, JSON = {'rxpk': [{'tmst': 2777333634, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6A+QHgAoH/DMWN'}]} |
| 0:03:50.980853 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01f9, FOpts: ), FPort: e0, FRMPayload: 017c, MIC: ff0cc58d) |
| 0:03:50.980853 | LOG | Server <-------------------- DUT |
| 0:03:50.980853 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a510, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 700819b0) |
| 0:03:50.980853 | LOG | PULL\_RESP: Protocol version = 02, Token = 9aaa, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2778333634, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AEKXgVnAIGbA='}} |
| 0:03:50.980853 | LOG | Server --------------------> DUT |
| 0:03:50.980853 | LOG | TX\_ACK: 02 9aaa 05 aa555a0000240409 |
| 0:03:55.840244 | LOG | PUSH\_ACK: 02 132e 01 |
| 0:03:55.842304 | LOG | PUSH\_DATA: Protocol version = 02, Token = 132e, Identifier = 00, JSON = {'rxpk': [{'tmst': 2782176019, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6A+gHgVFV+L6rt'}]} |
| 0:03:55.842304 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01fa, FOpts: ), FPort: e0, FRMPayload: 017d, MIC: 7e2faaed) |
| 0:03:55.842304 | LOG | Server <-------------------- DUT |
| 0:03:55.842304 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a511, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 5f8d1887) |
| 0:03:55.842304 | LOG | PULL\_RESP: Protocol version = 02, Token = 80dc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2783176019, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AEaXg4V+NGIc='}} |
| 0:03:55.842304 | LOG | Server --------------------> DUT |
| 0:03:55.842304 | LOG | TX\_ACK: 02 80dc 05 aa555a0000240409 |
| 0:03:57.277026 | LOG | PULL\_DATA: 02 03e6 02 aa555a0000240409 |
| 0:03:57.277026 | LOG | PULL\_ACK: 02 03e6 04 |
| 0:04:00.732668 | LOG | PUSH\_ACK: 02 132f 01 |
| 0:04:00.734686 | LOG | PUSH\_DATA: Protocol version = 02, Token = 132f, Identifier = 00, JSON = {'rxpk': [{'tmst': 2787018442, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -42, 'size': 15, 'data': 'QO++rd6A+wHgVo68yn8h'}]} |
| 0:04:00.734686 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01fb, FOpts: ), FPort: e0, FRMPayload: 017e, MIC: bcca7f21) |
| 0:04:00.734686 | LOG | Server <-------------------- DUT |
| 0:04:00.734686 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a512, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b4207b94) |
| 0:04:00.734686 | LOG | PULL\_RESP: Protocol version = 02, Token = ee6b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2788018442, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AEqXgYbQge5Q='}} |
| 0:04:00.734686 | LOG | Server --------------------> DUT |
| 0:04:00.734686 | LOG | TX\_ACK: 02 ee6b 05 aa555a0000240409 |
| 0:04:05.542303 | LOG | PUSH\_ACK: 02 1330 01 |
| 0:04:05.542303 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1330, Identifier = 00, JSON = {'rxpk': [{'tmst': 2791860795, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6A/AHg1F51f7CZ'}]} |
| 0:04:05.542303 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01fc, FOpts: ), FPort: e0, FRMPayload: 017f, MIC: 757fb099) |
| 0:04:05.542303 | LOG | Server <-------------------- DUT |
| 0:04:05.542303 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a513, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 48c01648) |
| 0:04:05.542303 | LOG | PULL\_RESP: Protocol version = 02, Token = c51e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2792860795, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AE6XgbUjAFkg='}} |
| 0:04:05.542303 | LOG | Server --------------------> DUT |
| 0:04:05.542303 | LOG | TX\_ACK: 02 c51e 05 aa555a0000240409 |
| 0:04:07.410636 | LOG | PULL\_DATA: 02 aaca 02 aa555a0000240409 |
| 0:04:07.410636 | LOG | PULL\_ACK: 02 aaca 04 |
| 0:04:10.356734 | LOG | PUSH\_ACK: 02 1331 01 |
| 0:04:10.356734 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1331, Identifier = 00, JSON = {'rxpk': [{'tmst': 2796703141, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -42, 'size': 15, 'data': 'QO++rd6A/QHgWYD7U35v'}]} |
| 0:04:10.356734 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01fd, FOpts: ), FPort: e0, FRMPayload: 0180, MIC: fb537e6f) |
| 0:04:10.356734 | LOG | Server <-------------------- DUT |
| 0:04:10.356734 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a514, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e96ea51f) |
| 0:04:10.356734 | LOG | PULL\_RESP: Protocol version = 02, Token = d5d9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2797703141, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AFKXg8elupR8='}} |
| 0:04:10.356734 | LOG | Server --------------------> DUT |
| 0:04:10.356734 | LOG | TX\_ACK: 02 d5d9 05 aa555a0000240409 |
| 0:04:15.246228 | LOG | PUSH\_ACK: 02 1332 01 |
| 0:04:15.248262 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1332, Identifier = 00, JSON = {'rxpk': [{'tmst': 2801586011, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A/gHg2ygWAaLf'}]} |
| 0:04:15.248262 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01fe, FOpts: ), FPort: e0, FRMPayload: 0181, MIC: 1601a2df) |
| 0:04:15.248262 | LOG | Server <-------------------- DUT |
| 0:04:15.248262 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a515, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ecd48216) |
| 0:04:15.248262 | LOG | PULL\_RESP: Protocol version = 02, Token = 60cc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2802586011, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AFaXglOzUghY='}} |
| 0:04:15.248262 | LOG | Server --------------------> DUT |
| 0:04:15.248262 | LOG | TX\_ACK: 02 60cc 05 aa555a0000240409 |
| 0:04:17.509760 | LOG | PULL\_DATA: 02 136c 02 aa555a0000240409 |
| 0:04:17.509760 | LOG | PULL\_ACK: 02 136c 04 |
| 0:04:20.113564 | LOG | PUSH\_ACK: 02 1334 01 |
| 0:04:20.113564 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1334, Identifier = 00, JSON = {'rxpk': [{'tmst': 2806428556, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6A/wHgiDX90y05'}]} |
| 0:04:20.113564 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 01ff, FOpts: ), FPort: e0, FRMPayload: 0182, MIC: fdd32d39) |
| 0:04:20.113564 | LOG | Server <-------------------- DUT |
| 0:04:20.113564 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a516, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 2a11f561) |
| 0:04:20.113564 | LOG | PULL\_RESP: Protocol version = 02, Token = ff44, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2807428556, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AFqXg2yoR9WE='}} |
| 0:04:20.113564 | LOG | Server --------------------> DUT |
| 0:04:20.113564 | LOG | TX\_ACK: 02 ff44 05 aa555a0000240409 |
| 0:04:24.987972 | LOG | PUSH\_ACK: 02 1335 01 |
| 0:04:24.987972 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1335, Identifier = 00, JSON = {'rxpk': [{'tmst': 2811270948, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AAALgaGLtaFfv'}]} |
| 0:04:24.987972 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0200, FOpts: ), FPort: e0, FRMPayload: 0183, MIC: ed6857ef) |
| 0:04:24.987972 | LOG | Server <-------------------- DUT |
| 0:04:24.987972 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a517, FOpts: ), FPort: e0, FRMPayload: 03), MIC: cda5b1d4) |
| 0:04:24.987972 | LOG | PULL\_RESP: Protocol version = 02, Token = a722, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2812270948, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AF6XgTs2lsdQ='}} |
| 0:04:24.987972 | LOG | Server --------------------> DUT |
| 0:04:24.987972 | LOG | TX\_ACK: 02 a722 05 aa555a0000240409 |
| 0:04:27.668127 | LOG | PULL\_DATA: 02 3418 02 aa555a0000240409 |
| 0:04:27.668127 | LOG | PULL\_ACK: 02 3418 04 |
| 0:04:29.778069 | LOG | PUSH\_ACK: 02 1336 01 |
| 0:04:29.778069 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1336, Identifier = 00, JSON = {'rxpk': [{'tmst': 2816113247, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AAQLgQO1ONwYU'}]} |
| 0:04:29.778069 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0201, FOpts: ), FPort: e0, FRMPayload: 0184, MIC: 4e370614) |
| 0:04:29.778069 | LOG | Server <-------------------- DUT |
| 0:04:29.778069 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a518, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 5df5e861) |
| 0:04:29.778069 | LOG | PULL\_RESP: Protocol version = 02, Token = cfd1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2817113247, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AGKXgMl316GE='}} |
| 0:04:29.778069 | LOG | Server --------------------> DUT |
| 0:04:29.778069 | LOG | TX\_ACK: 02 cfd1 05 aa555a0000240409 |
| 0:04:34.621971 | LOG | PUSH\_ACK: 02 1337 01 |
| 0:04:34.621971 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1337, Identifier = 00, JSON = {'rxpk': [{'tmst': 2820955592, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AAgLgQ+bumq8q'}]} |
| 0:04:34.621971 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0202, FOpts: ), FPort: e0, FRMPayload: 0185, MIC: ee9aaf2a) |
| 0:04:34.621971 | LOG | Server <-------------------- DUT |
| 0:04:34.621971 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a519, FOpts: ), FPort: e0, FRMPayload: 03), MIC: aa6d6176) |
| 0:04:34.621971 | LOG | PULL\_RESP: Protocol version = 02, Token = db3b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2821955592, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AGaXgu6ptYXY='}} |
| 0:04:34.621971 | LOG | Server --------------------> DUT |
| 0:04:34.621971 | LOG | TX\_ACK: 02 db3b 05 aa555a0000240409 |
| 0:04:37.683455 | LOG | PULL\_DATA: 02 a773 02 aa555a0000240409 |
| 0:04:37.683455 | LOG | PULL\_ACK: 02 a773 04 |
| 0:04:39.475652 | LOG | PUSH\_ACK: 02 1338 01 |
| 0:04:39.477699 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1338, Identifier = 00, JSON = {'rxpk': [{'tmst': 2825797992, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AAwLgJKt3x95a'}]} |
| 0:04:39.477699 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0203, FOpts: ), FPort: e0, FRMPayload: 0186, MIC: 77c7de5a) |
| 0:04:39.477699 | LOG | Server <-------------------- DUT |
| 0:04:39.477699 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a51a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: f6d6fd88) |
| 0:04:39.477699 | LOG | PULL\_RESP: Protocol version = 02, Token = ebd5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2826797992, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AGqXgzvbW/Yg='}} |
| 0:04:39.477699 | LOG | Server --------------------> DUT |
| 0:04:39.477699 | LOG | TX\_ACK: 02 ebd5 05 aa555a0000240409 |
| 0:04:44.290888 | LOG | PUSH\_ACK: 02 1339 01 |
| 0:04:44.292985 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1339, Identifier = 00, JSON = {'rxpk': [{'tmst': 2830640328, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ABALgW1wTK9nv'}]} |
| 0:04:44.292985 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0204, FOpts: ), FPort: e0, FRMPayload: 0187, MIC: 132bd9ef) |
| 0:04:44.292985 | LOG | Server <-------------------- DUT |
| 0:04:44.292985 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a51b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 12dc6d71) |
| 0:04:44.292985 | LOG | PULL\_RESP: Protocol version = 02, Token = 5157, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2831640328, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AG6Xg/hLcbXE='}} |
| 0:04:44.292985 | LOG | Server --------------------> DUT |
| 0:04:44.292985 | LOG | TX\_ACK: 02 5157 05 aa555a0000240409 |
| 0:04:47.799826 | LOG | PULL\_DATA: 02 14d6 02 aa555a0000240409 |
| 0:04:47.799826 | LOG | PULL\_ACK: 02 14d6 04 |
| 0:04:49.190953 | LOG | PUSH\_ACK: 02 133b 01 |
| 0:04:49.192998 | LOG | PUSH\_DATA: Protocol version = 02, Token = 133b, Identifier = 00, JSON = {'rxpk': [{'tmst': 2835482648, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 5.5, 'rssi': -39, 'size': 15, 'data': 'QO++rd6ABQLgJjz8dqCC'}]} |
| 0:04:49.192998 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0205, FOpts: ), FPort: e0, FRMPayload: 0188, MIC: fc76a082) |
| 0:04:49.192998 | LOG | Server <-------------------- DUT |
| 0:04:49.192998 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a51c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 00e15c47) |
| 0:04:49.192998 | LOG | PULL\_RESP: Protocol version = 02, Token = 4bbb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2836482648, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AHKXgDgDhXEc='}} |
| 0:04:49.192998 | LOG | Server --------------------> DUT |
| 0:04:49.192998 | LOG | TX\_ACK: 02 4bbb 05 aa555a0000240409 |
| 0:04:54.045110 | LOG | PUSH\_ACK: 02 133c 01 |
| 0:04:54.045110 | LOG | PUSH\_DATA: Protocol version = 02, Token = 133c, Identifier = 00, JSON = {'rxpk': [{'tmst': 2840365511, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ABgLgL4XF0HLp'}]} |
| 0:04:54.045110 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0206, FOpts: ), FPort: e0, FRMPayload: 0189, MIC: c5d072e9) |
| 0:04:54.045110 | LOG | Server <-------------------- DUT |
| 0:04:54.045110 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a51d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: f65926a6) |
| 0:04:54.045110 | LOG | PULL\_RESP: Protocol version = 02, Token = 63c0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2841365511, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AHaXgV/ZZJqY='}} |
| 0:04:54.045110 | LOG | Server --------------------> DUT |
| 0:04:54.045110 | LOG | TX\_ACK: 02 63c0 05 aa555a0000240409 |
| 0:04:57.957652 | LOG | PULL\_DATA: 02 8ea1 02 aa555a0000240409 |
| 0:04:57.957652 | LOG | PULL\_ACK: 02 8ea1 04 |
| 0:04:58.916874 | LOG | PUSH\_ACK: 02 133d 01 |
| 0:04:58.918916 | LOG | PUSH\_DATA: Protocol version = 02, Token = 133d, Identifier = 00, JSON = {'rxpk': [{'tmst': 2845207848, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -40, 'size': 15, 'data': 'QO++rd6ABwLg8RRPZ0vt'}]} |
| 0:04:58.918916 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0207, FOpts: ), FPort: e0, FRMPayload: 018a, MIC: 4f674bed) |
| 0:04:58.918916 | LOG | Server <-------------------- DUT |
| 0:04:58.918916 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a51e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c254002f) |
| 0:04:58.918916 | LOG | PULL\_RESP: Protocol version = 02, Token = 6031, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2846207848, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AHqXgycJUAC8='}} |
| 0:04:58.918916 | LOG | Server --------------------> DUT |
| 0:04:58.918916 | LOG | TX\_ACK: 02 6031 05 aa555a0000240409 |
| 0:05:03.756247 | LOG | PUSH\_ACK: 02 133e 01 |
| 0:05:03.756247 | LOG | PUSH\_DATA: Protocol version = 02, Token = 133e, Identifier = 00, JSON = {'rxpk': [{'tmst': 2850050152, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -53, 'size': 15, 'data': 'QO++rd6ACALgpPoxLSoJ'}]} |
| 0:05:03.756247 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0208, FOpts: ), FPort: e0, FRMPayload: 018b, MIC: 312d2a09) |
| 0:05:03.756247 | LOG | Server <-------------------- DUT |
| 0:05:03.756247 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a51f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e4133b03) |
| 0:05:03.756247 | LOG | PULL\_RESP: Protocol version = 02, Token = 6a4a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2851050152, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AH6XgruQTOwM='}} |
| 0:05:03.756247 | LOG | Server --------------------> DUT |
| 0:05:03.756247 | LOG | TX\_ACK: 02 6a4a 05 aa555a0000240409 |
| 0:05:08.113570 | LOG | PULL\_DATA: 02 2800 02 aa555a0000240409 |
| 0:05:08.113570 | LOG | PULL\_ACK: 02 2800 04 |
| 0:05:08.563634 | LOG | PUSH\_ACK: 02 133f 01 |
| 0:05:08.563634 | LOG | PUSH\_DATA: Protocol version = 02, Token = 133f, Identifier = 00, JSON = {'rxpk': [{'tmst': 2854892489, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6ACQLgpZ5WKsrg'}]} |
| 0:05:08.563634 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0209, FOpts: ), FPort: e0, FRMPayload: 018c, MIC: 562acae0) |
| 0:05:08.563634 | LOG | Server <-------------------- DUT |
| 0:05:08.563634 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a520, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 6124c027) |
| 0:05:08.563634 | LOG | PULL\_RESP: Protocol version = 02, Token = 0802, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2855892489, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AIKXgEWEkwCc='}} |
| 0:05:08.563634 | LOG | Server --------------------> DUT |
| 0:05:08.563634 | LOG | TX\_ACK: 02 0802 05 aa555a0000240409 |
| 0:05:13.413962 | LOG | PUSH\_ACK: 02 1340 01 |
| 0:05:13.415992 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1340, Identifier = 00, JSON = {'rxpk': [{'tmst': 2859735010, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6ACgLgQOGg4YoP'}]} |
| 0:05:13.415992 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 020a, FOpts: ), FPort: e0, FRMPayload: 018d, MIC: a0e18a0f) |
| 0:05:13.415992 | LOG | Server <-------------------- DUT |
| 0:05:13.415992 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a521, FOpts: ), FPort: e0, FRMPayload: 03), MIC: fd797f48) |
| 0:05:13.415992 | LOG | PULL\_RESP: Protocol version = 02, Token = fa3f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2860735010, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AIaXgHf15f0g='}} |
| 0:05:13.415992 | LOG | Server --------------------> DUT |
| 0:05:13.415992 | LOG | TX\_ACK: 02 fa3f 05 aa555a0000240409 |
| 0:05:18.135462 | LOG | PULL\_DATA: 02 21f5 02 aa555a0000240409 |
| 0:05:18.135462 | LOG | PULL\_ACK: 02 21f5 04 |
| 0:05:18.285132 | LOG | PUSH\_ACK: 02 1342 01 |
| 0:05:18.287178 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1342, Identifier = 00, JSON = {'rxpk': [{'tmst': 2864577361, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -42, 'size': 15, 'data': 'QO++rd6ACwLgbz8oIWXi'}]} |
| 0:05:18.287178 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 020b, FOpts: ), FPort: e0, FRMPayload: 018e, MIC: 282165e2) |
| 0:05:18.287178 | LOG | Server <-------------------- DUT |
| 0:05:18.287178 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a522, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 419d7882) |
| 0:05:18.287178 | LOG | PULL\_RESP: Protocol version = 02, Token = 4359, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2865577361, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AIqXgGkGdeII='}} |
| 0:05:18.287178 | LOG | Server --------------------> DUT |
| 0:05:18.287178 | LOG | TX\_ACK: 02 4359 05 aa555a0000240409 |
| 0:05:23.125328 | LOG | PUSH\_ACK: 02 1343 01 |
| 0:05:23.125328 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1343, Identifier = 00, JSON = {'rxpk': [{'tmst': 2869419737, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ADALgdKq3LPDn'}]} |
| 0:05:23.125328 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 020c, FOpts: ), FPort: e0, FRMPayload: 018f, MIC: b72cf0e7) |
| 0:05:23.125328 | LOG | Server <-------------------- DUT |
| 0:05:23.125328 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a523, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d1ac74b0) |
| 0:05:23.125328 | LOG | PULL\_RESP: Protocol version = 02, Token = 8897, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2870419737, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AI6XgjdGsdLA='}} |
| 0:05:23.125328 | LOG | Server --------------------> DUT |
| 0:05:23.125328 | LOG | TX\_ACK: 02 8897 05 aa555a0000240409 |
| 0:05:27.958051 | LOG | PUSH\_ACK: 02 1344 01 |
| 0:05:27.958051 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1344, Identifier = 00, JSON = {'rxpk': [{'tmst': 2874262049, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6ADQLg/uWdyWu7'}]} |
| 0:05:27.958051 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 020d, FOpts: ), FPort: e0, FRMPayload: 0190, MIC: 9dc96bbb) |
| 0:05:27.958051 | LOG | Server <-------------------- DUT |
| 0:05:27.958051 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a524, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 7fc48a2e) |
| 0:05:27.958051 | LOG | PULL\_RESP: Protocol version = 02, Token = 19fc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2875262049, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AJKXgX3/Eii4='}} |
| 0:05:27.958051 | LOG | Server --------------------> DUT |
| 0:05:27.958051 | LOG | TX\_ACK: 02 19fc 05 aa555a0000240409 |
| 0:05:28.168012 | LOG | PULL\_DATA: 02 42ac 02 aa555a0000240409 |
| 0:05:28.168012 | LOG | PULL\_ACK: 02 42ac 04 |
| 0:05:32.847773 | LOG | PUSH\_ACK: 02 1345 01 |
| 0:05:32.849807 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1345, Identifier = 00, JSON = {'rxpk': [{'tmst': 2879144914, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -57, 'size': 15, 'data': 'QO++rd6ADgLgktNFXM8t'}]} |
| 0:05:32.849807 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 020e, FOpts: ), FPort: e0, FRMPayload: 0191, MIC: 455ccf2d) |
| 0:05:32.849807 | LOG | Server <-------------------- DUT |
| 0:05:32.849807 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a525, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 267ae240) |
| 0:05:32.849807 | LOG | PULL\_RESP: Protocol version = 02, Token = b219, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2880144914, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AJaXgBCZ64kA='}} |
| 0:05:32.849807 | LOG | Server --------------------> DUT |
| 0:05:32.849807 | LOG | TX\_ACK: 02 b219 05 aa555a0000240409 |
| 0:05:37.659351 | LOG | PUSH\_ACK: 02 1346 01 |
| 0:05:37.659351 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1346, Identifier = 00, JSON = {'rxpk': [{'tmst': 2883987433, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 5.8, 'rssi': -39, 'size': 15, 'data': 'QO++rd6ADwLg9blOYHB7'}]} |
| 0:05:37.659351 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 020f, FOpts: ), FPort: e0, FRMPayload: 0192, MIC: 4e60707b) |
| 0:05:37.659351 | LOG | Server <-------------------- DUT |
| 0:05:37.659351 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a526, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 25a10044) |
| 0:05:37.659351 | LOG | PULL\_RESP: Protocol version = 02, Token = d63f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2884987433, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AJqXg3CWhAEQ='}} |
| 0:05:37.659351 | LOG | Server --------------------> DUT |
| 0:05:37.659351 | LOG | TX\_ACK: 02 d63f 05 aa555a0000240409 |
| 0:05:38.288970 | LOG | PULL\_DATA: 02 6d5b 02 aa555a0000240409 |
| 0:05:38.288970 | LOG | PULL\_ACK: 02 6d5b 04 |
| 0:05:42.499359 | LOG | PUSH\_ACK: 02 1347 01 |
| 0:05:42.501374 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1347, Identifier = 00, JSON = {'rxpk': [{'tmst': 2888829793, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AEALg3zZGMfct'}]} |
| 0:05:42.501374 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0210, FOpts: ), FPort: e0, FRMPayload: 0193, MIC: 4631f72d) |
| 0:05:42.501374 | LOG | Server <-------------------- DUT |
| 0:05:42.509467 | LOG | Number of downlinks: 60 |
| 0:05:42.509467 | LOG | Number of errors: 0 |
| 0:05:42.509467 | LOG | Packet Error Rate (%): 0.0 |
| 0:05:42.519397 | LOG | Packet error rate SF10BW125 process tested successfully |
| 0:05:42.519397 | LOG | End Test Step: Test packet error rate for SF12BW500 using RX1 window |
| 0:05:42.519397 | LOG | Partial Verdict: PASS |
| 0:05:42.519397 | LOG | ========================================================= |
| 0:05:42.519397 | LOG | ========================================================= |
| 0:05:42.529422 | LOG | Start Test Step: Test packet error rate for SF11BW500 using RX1 window |
| 0:05:42.529422 | LOG | Send LinkADRReq process starts |
| 0:05:47.345636 | LOG | PUSH\_ACK: 02 1348 01 |
| 0:05:47.347654 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1348, Identifier = 00, JSON = {'rxpk': [{'tmst': 2893672073, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -39, 'size': 15, 'data': 'QO++rd6AEQLgqzgSiCRQ'}]} |
| 0:05:47.347654 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0211, FOpts: ), FPort: e0, FRMPayload: 0193, MIC: 12882450) |
| 0:05:47.347654 | LOG | Server <-------------------- DUT |
| 0:05:47.347654 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a527, FOpts: ), FPort: 00, FRMPayload: 0315ff0001), MIC: eb1fdd9e) |
| 0:05:47.347654 | LOG | PULL\_RESP: Protocol version = 02, Token = c673, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2894672073, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AJ6UASOXIstrrH92e'}} |
| 0:05:47.347654 | LOG | Server --------------------> DUT |
| 0:05:47.347654 | LOG | TX\_ACK: 02 c673 05 aa555a0000240409 |
| 0:05:48.365962 | LOG | PULL\_DATA: 02 7040 02 aa555a0000240409 |
| 0:05:48.365962 | LOG | PULL\_ACK: 02 7040 04 |
| 0:05:51.998769 | LOG | PUSH\_ACK: 02 134a 01 |
| 0:05:52.000833 | LOG | PUSH\_DATA: Protocol version = 02, Token = 134a, Identifier = 00, JSON = {'rxpk': [{'tmst': 2898349616, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -43, 'size': 17, 'data': 'QO++rd6CEgIDB+DWJ/PaFLA='}]} |
| 0:05:52.000833 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0212, FOpts: 0307), FPort: e0, FRMPayload: 0194, MIC: f3da14b0) |
| 0:05:52.000833 | LOG | Server <-------------------- DUT |
| 0:05:52.000833 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:05:52.000833 | LOG | Command Answer: 0307 |
| 0:05:52.000833 | LOG | MAC command communication completed |
| 0:05:52.008913 | LOG | Send RXParamSetupReq process starts |
| 0:05:56.844732 | LOG | PUSH\_ACK: 02 134b 01 |
| 0:05:56.846819 | LOG | PUSH\_DATA: Protocol version = 02, Token = 134b, Identifier = 00, JSON = {'rxpk': [{'tmst': 2903191624, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AEwLgIGvAFkkT'}]} |
| 0:05:56.846819 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0213, FOpts: ), FPort: e0, FRMPayload: 0194, MIC: c0164913) |
| 0:05:56.846819 | LOG | Server <-------------------- DUT |
| 0:05:56.846819 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a528, FOpts: ), FPort: 00, FRMPayload: 052868e28c), MIC: 844f5e99) |
| 0:05:56.846819 | LOG | PULL\_RESP: Protocol version = 02, Token = ccdd, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2904191624, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AKKUANl9bhceET16Z'}} |
| 0:05:56.846819 | LOG | Server --------------------> DUT |
| 0:05:56.846819 | LOG | TX\_ACK: 02 ccdd 05 aa555a0000240409 |
| 0:05:58.505207 | LOG | PULL\_DATA: 02 947e 02 aa555a0000240409 |
| 0:05:58.505207 | LOG | PULL\_ACK: 02 947e 04 |
| 0:06:01.726471 | LOG | PUSH\_ACK: 02 134c 01 |
| 0:06:01.726471 | LOG | PUSH\_DATA: Protocol version = 02, Token = 134c, Identifier = 00, JSON = {'rxpk': [{'tmst': 2908034336, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -39, 'size': 17, 'data': 'QO++rd6CFAIFB+Cxlu38qIU='}]} |
| 0:06:01.726471 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0214, FOpts: 0507), FPort: e0, FRMPayload: 0195, MIC: edfca885) |
| 0:06:01.726471 | LOG | Server <-------------------- DUT |
| 0:06:01.726471 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:06:01.726471 | LOG | Command Answer: 0507 |
| 0:06:01.736453 | LOG | Send ACK to DUT process starts |
| 0:06:01.736453 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a529, FOpts: ), FPort: , FRMPayload: ), MIC: e0dbbd34) |
| 0:06:01.736453 | LOG | PULL\_RESP: Protocol version = 02, Token = e056, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2909034336, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AKaXg2700'}} |
| 0:06:01.736453 | LOG | Server --------------------> DUT |
| 0:06:01.736453 | LOG | Send ACK to DUT tested successfully |
| 0:06:01.746444 | LOG | MAC command communication completed |
| 0:06:01.746444 | LOG | Packet error rate (Unconfirmed) SF9BW125 process starts |
| 0:06:06.589521 | LOG | PUSH\_ACK: 02 134d 01 |
| 0:06:06.591535 | LOG | PUSH\_DATA: Protocol version = 02, Token = 134d, Identifier = 00, JSON = {'rxpk': [{'tmst': 2912876366, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -39, 'size': 15, 'data': 'QO++rd6AFQLgIKDWQVbY'}]} |
| 0:06:06.591535 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0215, FOpts: ), FPort: e0, FRMPayload: 0196, MIC: d64156d8) |
| 0:06:06.591535 | LOG | Server <-------------------- DUT |
| 0:06:06.591535 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a52a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 15836bab) |
| 0:06:06.591535 | LOG | PULL\_RESP: Protocol version = 02, Token = 7fea, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2913876366, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AKqXgIxWDa6s='}} |
| 0:06:06.591535 | LOG | Server --------------------> DUT |
| 0:06:06.591535 | LOG | TX\_ACK: 02 7fea 05 aa555a0000240409 |
| 0:06:08.642042 | LOG | PULL\_DATA: 02 81e3 02 aa555a0000240409 |
| 0:06:08.644110 | LOG | PULL\_ACK: 02 81e3 04 |
| 0:06:11.405258 | LOG | PUSH\_ACK: 02 134e 01 |
| 0:06:11.405258 | LOG | PUSH\_DATA: Protocol version = 02, Token = 134e, Identifier = 00, JSON = {'rxpk': [{'tmst': 2917759280, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AFgLgB/URTsEK'}]} |
| 0:06:11.405258 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0216, FOpts: ), FPort: e0, FRMPayload: 0197, MIC: 114ec10a) |
| 0:06:11.405258 | LOG | Server <-------------------- DUT |
| 0:06:11.405258 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a52b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c2ef03be) |
| 0:06:11.405258 | LOG | PULL\_RESP: Protocol version = 02, Token = 5aac, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2918759280, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AK6XgZsLvA74='}} |
| 0:06:11.405258 | LOG | Server --------------------> DUT |
| 0:06:11.405258 | LOG | TX\_ACK: 02 5aac 05 aa555a0000240409 |
| 0:06:16.260027 | LOG | PUSH\_ACK: 02 134f 01 |
| 0:06:16.260027 | LOG | PUSH\_DATA: Protocol version = 02, Token = 134f, Identifier = 00, JSON = {'rxpk': [{'tmst': 2922601729, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -35, 'size': 15, 'data': 'QO++rd6AFwLgsLtn8gJj'}]} |
| 0:06:16.260027 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0217, FOpts: ), FPort: e0, FRMPayload: 0198, MIC: 67f20263) |
| 0:06:16.260027 | LOG | Server <-------------------- DUT |
| 0:06:16.260027 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a52c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b8953889) |
| 0:06:16.260027 | LOG | PULL\_RESP: Protocol version = 02, Token = 9b57, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2923601729, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ALKXgfriVOIk='}} |
| 0:06:16.260027 | LOG | Server --------------------> DUT |
| 0:06:16.260027 | LOG | TX\_ACK: 02 9b57 05 aa555a0000240409 |
| 0:06:18.748093 | LOG | PULL\_DATA: 02 70de 02 aa555a0000240409 |
| 0:06:18.748093 | LOG | PULL\_ACK: 02 70de 04 |
| 0:06:21.103689 | LOG | PUSH\_ACK: 02 1351 01 |
| 0:06:21.105734 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1351, Identifier = 00, JSON = {'rxpk': [{'tmst': 2927444201, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AGALgQiW3dZpF'}]} |
| 0:06:21.105734 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0218, FOpts: ), FPort: e0, FRMPayload: 0199, MIC: b7759a45) |
| 0:06:21.105734 | LOG | Server <-------------------- DUT |
| 0:06:21.105734 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a52d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 2224b1c4) |
| 0:06:21.105734 | LOG | PULL\_RESP: Protocol version = 02, Token = bc61, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2928444201, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ALaXgIyIkscQ='}} |
| 0:06:21.105734 | LOG | Server --------------------> DUT |
| 0:06:21.105734 | LOG | TX\_ACK: 02 bc61 05 aa555a0000240409 |
| 0:06:25.948644 | LOG | PUSH\_ACK: 02 1352 01 |
| 0:06:25.948644 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1352, Identifier = 00, JSON = {'rxpk': [{'tmst': 2932286903, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AGQLgblKuf1hE'}]} |
| 0:06:25.948644 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0219, FOpts: ), FPort: e0, FRMPayload: 019a, MIC: ae7f5844) |
| 0:06:25.948644 | LOG | Server <-------------------- DUT |
| 0:06:25.948644 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a52e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: dfa6450e) |
| 0:06:25.948644 | LOG | PULL\_RESP: Protocol version = 02, Token = eef6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2933286903, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ALqXgY9+mRQ4='}} |
| 0:06:25.948644 | LOG | Server --------------------> DUT |
| 0:06:25.955158 | LOG | TX\_ACK: 02 eef6 05 aa555a0000240409 |
| 0:06:28.834837 | LOG | PULL\_DATA: 02 c431 02 aa555a0000240409 |
| 0:06:28.834837 | LOG | PULL\_ACK: 02 c431 04 |
| 0:06:30.854697 | LOG | PUSH\_ACK: 02 1353 01 |
| 0:06:30.854697 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1353, Identifier = 00, JSON = {'rxpk': [{'tmst': 2937129352, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -36, 'size': 15, 'data': 'QO++rd6AGgLgb69jijJg'}]} |
| 0:06:30.854697 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 021a, FOpts: ), FPort: e0, FRMPayload: 019b, MIC: 638a3260) |
| 0:06:30.854697 | LOG | Server <-------------------- DUT |
| 0:06:30.854697 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a52f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: f2cea13b) |
| 0:06:30.854697 | LOG | PULL\_RESP: Protocol version = 02, Token = 07c7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2938129352, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AL6XgePLOoTs='}} |
| 0:06:30.854697 | LOG | Server --------------------> DUT |
| 0:06:30.854697 | LOG | TX\_ACK: 02 07c7 05 aa555a0000240409 |
| 0:06:35.684876 | LOG | PUSH\_ACK: 02 1354 01 |
| 0:06:35.684876 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1354, Identifier = 00, JSON = {'rxpk': [{'tmst': 2941971880, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -42, 'size': 15, 'data': 'QO++rd6AGwLgYuxfSGUk'}]} |
| 0:06:35.684876 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 021b, FOpts: ), FPort: e0, FRMPayload: 019c, MIC: 5f486524) |
| 0:06:35.684876 | LOG | Server <-------------------- DUT |
| 0:06:35.684876 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a530, FOpts: ), FPort: e0, FRMPayload: 03), MIC: f925f20b) |
| 0:06:35.684876 | LOG | PULL\_RESP: Protocol version = 02, Token = 5cc1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2942971880, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AMKXgzPkl8gs='}} |
| 0:06:35.684876 | LOG | Server --------------------> DUT |
| 0:06:35.684876 | LOG | TX\_ACK: 02 5cc1 05 aa555a0000240409 |
| 0:06:39.002836 | LOG | PULL\_DATA: 02 7a22 02 aa555a0000240409 |
| 0:06:39.002836 | LOG | PULL\_ACK: 02 7a22 04 |
| 0:06:40.521194 | LOG | PUSH\_ACK: 02 1355 01 |
| 0:06:40.521194 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1355, Identifier = 00, JSON = {'rxpk': [{'tmst': 2946814369, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AHALgHtcBHrTG'}]} |
| 0:06:40.521194 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 021c, FOpts: ), FPort: e0, FRMPayload: 019d, MIC: 011eb4c6) |
| 0:06:40.521194 | LOG | Server <-------------------- DUT |
| 0:06:40.521194 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a531, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 49a5d0f6) |
| 0:06:40.521194 | LOG | PULL\_RESP: Protocol version = 02, Token = 508f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2947814369, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AMaXgykml0PY='}} |
| 0:06:40.521194 | LOG | Server --------------------> DUT |
| 0:06:40.521194 | LOG | TX\_ACK: 02 508f 05 aa555a0000240409 |
| 0:06:45.331061 | LOG | PUSH\_ACK: 02 1356 01 |
| 0:06:45.331061 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1356, Identifier = 00, JSON = {'rxpk': [{'tmst': 2951656819, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 12.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AHQLgRIkvvboW'}]} |
| 0:06:45.331061 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 021d, FOpts: ), FPort: e0, FRMPayload: 019e, MIC: 2fbdba16) |
| 0:06:45.331061 | LOG | Server <-------------------- DUT |
| 0:06:45.331061 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a532, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 7c87230e) |
| 0:06:45.331061 | LOG | PULL\_RESP: Protocol version = 02, Token = 155e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2952656819, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AMqXgmHyHIw4='}} |
| 0:06:45.331061 | LOG | Server --------------------> DUT |
| 0:06:45.331061 | LOG | TX\_ACK: 02 155e 05 aa555a0000240409 |
| 0:06:49.034348 | LOG | PULL\_DATA: 02 1333 02 aa555a0000240409 |
| 0:06:49.034348 | LOG | PULL\_ACK: 02 1333 04 |
| 0:06:50.213030 | LOG | PUSH\_ACK: 02 1358 01 |
| 0:06:50.213030 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1358, Identifier = 00, JSON = {'rxpk': [{'tmst': 2956539857, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AHgLge2klPufu'}]} |
| 0:06:50.213030 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 021e, FOpts: ), FPort: e0, FRMPayload: 019f, MIC: 253ee7ee) |
| 0:06:50.213030 | LOG | Server <-------------------- DUT |
| 0:06:50.213030 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a533, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 717c7e90) |
| 0:06:50.213030 | LOG | PULL\_RESP: Protocol version = 02, Token = 302d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2957539857, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AM6XgWHF8fpA='}} |
| 0:06:50.213030 | LOG | Server --------------------> DUT |
| 0:06:50.213030 | LOG | TX\_ACK: 02 302d 05 aa555a0000240409 |
| 0:06:55.080661 | LOG | PUSH\_ACK: 02 1359 01 |
| 0:06:55.080661 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1359, Identifier = 00, JSON = {'rxpk': [{'tmst': 2961382327, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AHwLgHNi5GhHh'}]} |
| 0:06:55.080661 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 021f, FOpts: ), FPort: e0, FRMPayload: 01a0, MIC: b91a11e1) |
| 0:06:55.080661 | LOG | Server <-------------------- DUT |
| 0:06:55.080661 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a534, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b5afef55) |
| 0:06:55.080661 | LOG | PULL\_RESP: Protocol version = 02, Token = bc10, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2962382327, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ANKXgXLWv71U='}} |
| 0:06:55.080661 | LOG | Server --------------------> DUT |
| 0:06:55.080661 | LOG | TX\_ACK: 02 bc10 05 aa555a0000240409 |
| 0:06:59.215369 | LOG | PULL\_DATA: 02 eaaf 02 aa555a0000240409 |
| 0:06:59.215369 | LOG | PULL\_ACK: 02 eaaf 04 |
| 0:06:59.895377 | LOG | PUSH\_ACK: 02 135a 01 |
| 0:06:59.895377 | LOG | PUSH\_DATA: Protocol version = 02, Token = 135a, Identifier = 00, JSON = {'rxpk': [{'tmst': 2966224800, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -42, 'size': 15, 'data': 'QO++rd6AIALgJAloK/VV'}]} |
| 0:06:59.895377 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0220, FOpts: ), FPort: e0, FRMPayload: 01a1, MIC: 682bf555) |
| 0:06:59.895377 | LOG | Server <-------------------- DUT |
| 0:06:59.895377 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a535, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e2af3e9a) |
| 0:06:59.895377 | LOG | PULL\_RESP: Protocol version = 02, Token = 6bac, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2967224800, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ANaXgmOKvPpo='}} |
| 0:06:59.895377 | LOG | Server --------------------> DUT |
| 0:06:59.895377 | LOG | TX\_ACK: 02 6bac 05 aa555a0000240409 |
| 0:07:04.715981 | LOG | PUSH\_ACK: 02 135b 01 |
| 0:07:04.715981 | LOG | PUSH\_DATA: Protocol version = 02, Token = 135b, Identifier = 00, JSON = {'rxpk': [{'tmst': 2971067375, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AIQLgDIafwuI0'}]} |
| 0:07:04.715981 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0221, FOpts: ), FPort: e0, FRMPayload: 01a2, MIC: 9fc2e234) |
| 0:07:04.715981 | LOG | Server <-------------------- DUT |
| 0:07:04.715981 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a536, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 377cb3d6) |
| 0:07:04.715981 | LOG | PULL\_RESP: Protocol version = 02, Token = aae9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2972067375, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ANqXggjd8s9Y='}} |
| 0:07:04.715981 | LOG | Server --------------------> DUT |
| 0:07:04.715981 | LOG | TX\_ACK: 02 aae9 05 aa555a0000240409 |
| 0:07:09.241082 | LOG | PULL\_DATA: 02 108e 02 aa555a0000240409 |
| 0:07:09.241082 | LOG | PULL\_ACK: 02 108e 04 |
| 0:07:09.623586 | LOG | PUSH\_ACK: 02 135c 01 |
| 0:07:09.623586 | LOG | PUSH\_DATA: Protocol version = 02, Token = 135c, Identifier = 00, JSON = {'rxpk': [{'tmst': 2975909862, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AIgLgewpG7L+f'}]} |
| 0:07:09.623586 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0222, FOpts: ), FPort: e0, FRMPayload: 01a3, MIC: 46ecbf9f) |
| 0:07:09.623586 | LOG | Server <-------------------- DUT |
| 0:07:09.623586 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a537, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 0e146a97) |
| 0:07:09.623586 | LOG | PULL\_RESP: Protocol version = 02, Token = 501c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2976909862, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AN6XgTA4Uapc='}} |
| 0:07:09.623586 | LOG | Server --------------------> DUT |
| 0:07:09.623586 | LOG | TX\_ACK: 02 501c 05 aa555a0000240409 |
| 0:07:14.407495 | LOG | PUSH\_ACK: 02 135d 01 |
| 0:07:14.409566 | LOG | PUSH\_DATA: Protocol version = 02, Token = 135d, Identifier = 00, JSON = {'rxpk': [{'tmst': 2980752597, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -42, 'size': 15, 'data': 'QO++rd6AIwLglk4mqO0+'}]} |
| 0:07:14.409566 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0223, FOpts: ), FPort: e0, FRMPayload: 01a4, MIC: 26a8ed3e) |
| 0:07:14.409566 | LOG | Server <-------------------- DUT |
| 0:07:14.409566 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a538, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a8719f89) |
| 0:07:14.409566 | LOG | PULL\_RESP: Protocol version = 02, Token = 7d46, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2981752597, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AOKXggKhxn4k='}} |
| 0:07:14.409566 | LOG | Server --------------------> DUT |
| 0:07:14.409566 | LOG | TX\_ACK: 02 7d46 05 aa555a0000240409 |
| 0:07:15.285386 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:07:15.285386 | LOG | Previous uplink Frame type (FType): 001 |
| 0:07:19.266069 | LOG | PUSH\_ACK: 02 1360 01 |
| 0:07:19.266069 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1360, Identifier = 00, JSON = {'rxpk': [{'tmst': 2985595100, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -35, 'size': 15, 'data': 'QO++rd6AJALgrd/lFto+'}]} |
| 0:07:19.266069 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0224, FOpts: ), FPort: e0, FRMPayload: 01a5, MIC: e516da3e) |
| 0:07:19.266069 | LOG | Server <-------------------- DUT |
| 0:07:19.266069 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a539, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 3a71ff45) |
| 0:07:19.266069 | LOG | PULL\_RESP: Protocol version = 02, Token = e49d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2986595100, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AOaXgrTpx/0U='}} |
| 0:07:19.266069 | LOG | Server --------------------> DUT |
| 0:07:19.266069 | LOG | TX\_ACK: 02 e49d 05 aa555a0000240409 |
| 0:07:19.276096 | LOG | PULL\_DATA: 02 2079 02 aa555a0000240409 |
| 0:07:19.276096 | LOG | PULL\_ACK: 02 2079 04 |
| 0:07:21.316500 | LOG | PUSH\_ACK: 02 1361 01 |
| 0:07:21.318544 | LOG | MIC MISMATCH! |
| 0:07:21.318544 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1361, Identifier = 00, JSON = {'rxpk': [{'tmst': 2987658330, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': -1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': 'OFF', 'lsnr': -10.8, 'rssi': -87, 'size': 23, 'data': 'kP+pttuFVt0Cy0N8APQ7Lmp5MCIY6lE='}]} |
| 0:07:21.318544 | LOG | DATA: (MHDR: 90, MACPayload: (FHDR: (DevAddr: ffa9b6db, FCtrl: 85, FCnt: dd56, FOpts: 02cb437c00), FPort: f4, FRMPayload: 2a5f364d00, MIC: 2218ea51) |
| 0:07:24.116093 | LOG | PUSH\_ACK: 02 1362 01 |
| 0:07:24.116093 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1362, Identifier = 00, JSON = {'rxpk': [{'tmst': 2990437683, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -37, 'size': 15, 'data': 'QO++rd6AJQLgd1QTkaal'}]} |
| 0:07:24.116093 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0225, FOpts: ), FPort: e0, FRMPayload: 01a6, MIC: 1391a6a5) |
| 0:07:24.116093 | LOG | Server <-------------------- DUT |
| 0:07:24.116093 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a53a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a5a3740f) |
| 0:07:24.116093 | LOG | PULL\_RESP: Protocol version = 02, Token = 6033, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2991437683, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AOqXga6WjdA8='}} |
| 0:07:24.116093 | LOG | Server --------------------> DUT |
| 0:07:24.116093 | LOG | TX\_ACK: 02 6033 05 aa555a0000240409 |
| 0:07:29.018822 | LOG | PUSH\_ACK: 02 1363 01 |
| 0:07:29.018822 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1363, Identifier = 00, JSON = {'rxpk': [{'tmst': 2995320715, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AJgLgHOtPtADc'}]} |
| 0:07:29.018822 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0226, FOpts: ), FPort: e0, FRMPayload: 01a7, MIC: 4fb400dc) |
| 0:07:29.018822 | LOG | Server <-------------------- DUT |
| 0:07:29.018822 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a53b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 9dc8ff09) |
| 0:07:29.018822 | LOG | PULL\_RESP: Protocol version = 02, Token = 647d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2996320715, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AO6XgTZ3I/wk='}} |
| 0:07:29.018822 | LOG | Server --------------------> DUT |
| 0:07:29.018822 | LOG | TX\_ACK: 02 647d 05 aa555a0000240409 |
| 0:07:29.448835 | LOG | PULL\_DATA: 02 affa 02 aa555a0000240409 |
| 0:07:29.448835 | LOG | PULL\_ACK: 02 affa 04 |
| 0:07:33.817545 | LOG | PUSH\_ACK: 02 1364 01 |
| 0:07:33.819595 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1364, Identifier = 00, JSON = {'rxpk': [{'tmst': 3000163428, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 12.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AJwLgYbErHi3z'}]} |
| 0:07:33.819595 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0227, FOpts: ), FPort: e0, FRMPayload: 01a8, MIC: 2b1e2df3) |
| 0:07:33.819595 | LOG | Server <-------------------- DUT |
| 0:07:33.819595 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a53c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 4db034c6) |
| 0:07:33.819595 | LOG | PULL\_RESP: Protocol version = 02, Token = 6e6a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3001163428, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4APKXgMU2wNMY='}} |
| 0:07:33.819595 | LOG | Server --------------------> DUT |
| 0:07:33.819595 | LOG | TX\_ACK: 02 6e6a 05 aa555a0000240409 |
| 0:07:38.707358 | LOG | PUSH\_ACK: 02 1365 01 |
| 0:07:38.707358 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1365, Identifier = 00, JSON = {'rxpk': [{'tmst': 3005005956, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -42, 'size': 15, 'data': 'QO++rd6AKALgBeYCf7GT'}]} |
| 0:07:38.707358 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0228, FOpts: ), FPort: e0, FRMPayload: 01a9, MIC: 027fb193) |
| 0:07:38.707358 | LOG | Server <-------------------- DUT |
| 0:07:38.707358 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a53d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 4464cf23) |
| 0:07:38.707358 | LOG | PULL\_RESP: Protocol version = 02, Token = 10e8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3006005956, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4APaXgVURkzyM='}} |
| 0:07:38.707358 | LOG | Server --------------------> DUT |
| 0:07:38.707358 | LOG | TX\_ACK: 02 10e8 05 aa555a0000240409 |
| 0:07:39.537182 | LOG | PULL\_DATA: 02 4319 02 aa555a0000240409 |
| 0:07:39.537182 | LOG | PULL\_ACK: 02 4319 04 |
| 0:07:43.509555 | LOG | PUSH\_ACK: 02 1366 01 |
| 0:07:43.511601 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1366, Identifier = 00, JSON = {'rxpk': [{'tmst': 3009848516, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AKQLg4NP4KssL'}]} |
| 0:07:43.511601 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0229, FOpts: ), FPort: e0, FRMPayload: 01aa, MIC: f82acb0b) |
| 0:07:43.511601 | LOG | Server <-------------------- DUT |
| 0:07:43.511601 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a53e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 4c565be0) |
| 0:07:43.511601 | LOG | PULL\_RESP: Protocol version = 02, Token = 2096, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3010848516, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4APqXgmExWW+A='}} |
| 0:07:43.511601 | LOG | Server --------------------> DUT |
| 0:07:43.511601 | LOG | TX\_ACK: 02 2096 05 aa555a0000240409 |
| 0:07:48.399964 | LOG | PUSH\_ACK: 02 1367 01 |
| 0:07:48.401987 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1367, Identifier = 00, JSON = {'rxpk': [{'tmst': 3014691011, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 12.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AKgLgvFhmsbjt'}], 'stat': {'time': '2021-08-03 20:20:32 GMT', 'rxnb': 7, 'rxok': 6, 'rxfw': 7, 'ackr': 87.5, 'dwnb': 6, 'txnb': 6}} |
| 0:07:48.401987 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 022a, FOpts: ), FPort: e0, FRMPayload: 01ab, MIC: 66b1b8ed) |
| 0:07:48.401987 | LOG | Server <-------------------- DUT |
| 0:07:48.401987 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a53f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: aed428f4) |
| 0:07:48.401987 | LOG | PULL\_RESP: Protocol version = 02, Token = d687, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3015691011, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AP6XgLK7UKPQ='}} |
| 0:07:48.401987 | LOG | Server --------------------> DUT |
| 0:07:48.401987 | LOG | TX\_ACK: 02 d687 05 aa555a0000240409 |
| 0:07:49.661766 | LOG | PULL\_DATA: 02 f5f6 02 aa555a0000240409 |
| 0:07:49.661766 | LOG | PULL\_ACK: 02 f5f6 04 |
| 0:07:53.194156 | LOG | PUSH\_ACK: 02 1368 01 |
| 0:07:53.196225 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1368, Identifier = 00, JSON = {'rxpk': [{'tmst': 3019533524, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 12.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AKwLgpbivtV94'}]} |
| 0:07:53.196225 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 022b, FOpts: ), FPort: e0, FRMPayload: 01ac, MIC: afb55f78) |
| 0:07:53.196225 | LOG | Server <-------------------- DUT |
| 0:07:53.196225 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a540, FOpts: ), FPort: e0, FRMPayload: 03), MIC: bafe21a2) |
| 0:07:53.196225 | LOG | PULL\_RESP: Protocol version = 02, Token = e310, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3020533524, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AQKXgDLr+IaI='}} |
| 0:07:53.196225 | LOG | Server --------------------> DUT |
| 0:07:53.196225 | LOG | TX\_ACK: 02 e310 05 aa555a0000240409 |
| 0:07:58.044148 | LOG | PUSH\_ACK: 02 1369 01 |
| 0:07:58.044148 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1369, Identifier = 00, JSON = {'rxpk': [{'tmst': 3024376107, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -42, 'size': 15, 'data': 'QO++rd6ALALgtyb/ek6r'}]} |
| 0:07:58.044148 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 022c, FOpts: ), FPort: e0, FRMPayload: 01ad, MIC: ff7a4eab) |
| 0:07:58.044148 | LOG | Server <-------------------- DUT |
| 0:07:58.044148 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a541, FOpts: ), FPort: e0, FRMPayload: 03), MIC: cec99b24) |
| 0:07:58.044148 | LOG | PULL\_RESP: Protocol version = 02, Token = ec70, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3025376107, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AQaXg2M7JmyQ='}} |
| 0:07:58.044148 | LOG | Server --------------------> DUT |
| 0:07:58.044148 | LOG | TX\_ACK: 02 ec70 05 aa555a0000240409 |
| 0:07:59.686121 | LOG | PULL\_DATA: 02 2821 02 aa555a0000240409 |
| 0:07:59.686121 | LOG | PULL\_ACK: 02 2821 04 |
| 0:08:02.886138 | LOG | PUSH\_ACK: 02 136a 01 |
| 0:08:02.888232 | LOG | PUSH\_DATA: Protocol version = 02, Token = 136a, Identifier = 00, JSON = {'rxpk': [{'tmst': 3029218642, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6ALQLgusYuMKoF'}]} |
| 0:08:02.888232 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 022d, FOpts: ), FPort: e0, FRMPayload: 01ae, MIC: 2e30aa05) |
| 0:08:02.888232 | LOG | Server <-------------------- DUT |
| 0:08:02.888232 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a542, FOpts: ), FPort: e0, FRMPayload: 03), MIC: dd067319) |
| 0:08:02.888232 | LOG | PULL\_RESP: Protocol version = 02, Token = 861d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3030218642, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AQqXgKd0Gcxk='}} |
| 0:08:02.888232 | LOG | Server --------------------> DUT |
| 0:08:02.888232 | LOG | TX\_ACK: 02 861d 05 aa555a0000240409 |
| 0:08:07.794855 | LOG | PUSH\_ACK: 02 136b 01 |
| 0:08:07.796916 | LOG | PUSH\_DATA: Protocol version = 02, Token = 136b, Identifier = 00, JSON = {'rxpk': [{'tmst': 3034101698, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ALgLgwxtCFWpx'}]} |
| 0:08:07.796916 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 022e, FOpts: ), FPort: e0, FRMPayload: 01af, MIC: 42156a71) |
| 0:08:07.796916 | LOG | Server <-------------------- DUT |
| 0:08:07.796916 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a543, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 37e0b9b3) |
| 0:08:07.796916 | LOG | PULL\_RESP: Protocol version = 02, Token = a2c2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3035101698, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AQ6XgTTfgubM='}} |
| 0:08:07.796916 | LOG | Server --------------------> DUT |
| 0:08:07.796916 | LOG | TX\_ACK: 02 a2c2 05 aa555a0000240409 |
| 0:08:09.856463 | LOG | PULL\_DATA: 02 ffbb 02 aa555a0000240409 |
| 0:08:09.856463 | LOG | PULL\_ACK: 02 ffbb 04 |
| 0:08:12.595708 | LOG | PUSH\_ACK: 02 136c 01 |
| 0:08:12.597732 | LOG | PUSH\_DATA: Protocol version = 02, Token = 136c, Identifier = 00, JSON = {'rxpk': [{'tmst': 3038944434, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -48, 'size': 15, 'data': 'QO++rd6ALwLge0L4K0G4'}]} |
| 0:08:12.597732 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 022f, FOpts: ), FPort: e0, FRMPayload: 01b0, MIC: f82b41b8) |
| 0:08:12.597732 | LOG | Server <-------------------- DUT |
| 0:08:12.597732 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a544, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a333efef) |
| 0:08:12.597732 | LOG | PULL\_RESP: Protocol version = 02, Token = bec6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3039944434, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ARKXgFKMz7+8='}} |
| 0:08:12.597732 | LOG | Server --------------------> DUT |
| 0:08:12.597732 | LOG | TX\_ACK: 02 bec6 05 aa555a0000240409 |
| 0:08:17.482891 | LOG | PUSH\_ACK: 02 136d 01 |
| 0:08:17.484930 | LOG | PUSH\_DATA: Protocol version = 02, Token = 136d, Identifier = 00, JSON = {'rxpk': [{'tmst': 3043786975, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AMALgrCTtn32P'}]} |
| 0:08:17.484930 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0230, FOpts: ), FPort: e0, FRMPayload: 01b1, MIC: ed9f7d8f) |
| 0:08:17.484930 | LOG | Server <-------------------- DUT |
| 0:08:17.484930 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a545, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 9af4d44a) |
| 0:08:17.484930 | LOG | PULL\_RESP: Protocol version = 02, Token = 2a43, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3044786975, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ARaXgdpr01Eo='}} |
| 0:08:17.484930 | LOG | Server --------------------> DUT |
| 0:08:17.484930 | LOG | TX\_ACK: 02 2a43 05 aa555a0000240409 |
| 0:08:19.939959 | LOG | PULL\_DATA: 02 75ac 02 aa555a0000240409 |
| 0:08:19.939959 | LOG | PULL\_ACK: 02 75ac 04 |
| 0:08:22.330985 | LOG | PUSH\_ACK: 02 136f 01 |
| 0:08:22.330985 | LOG | PUSH\_DATA: Protocol version = 02, Token = 136f, Identifier = 00, JSON = {'rxpk': [{'tmst': 3048629457, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AMQLglawG7+Fz'}]} |
| 0:08:22.330985 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0231, FOpts: ), FPort: e0, FRMPayload: 01b2, MIC: 06efe173) |
| 0:08:22.330985 | LOG | Server <-------------------- DUT |
| 0:08:22.330985 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a546, FOpts: ), FPort: e0, FRMPayload: 03), MIC: bf9adc71) |
| 0:08:22.330985 | LOG | PULL\_RESP: Protocol version = 02, Token = 700d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3049629457, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ARqXg/L+a3HE='}} |
| 0:08:22.330985 | LOG | Server --------------------> DUT |
| 0:08:22.330985 | LOG | TX\_ACK: 02 700d 05 aa555a0000240409 |
| 0:08:27.154083 | LOG | PUSH\_ACK: 02 1370 01 |
| 0:08:27.156110 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1370, Identifier = 00, JSON = {'rxpk': [{'tmst': 3053472057, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AMgLgCvZk/vLc'}]} |
| 0:08:27.156110 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0232, FOpts: ), FPort: e0, FRMPayload: 01b3, MIC: 64fef2dc) |
| 0:08:27.156110 | LOG | Server <-------------------- DUT |
| 0:08:27.156110 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a547, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 02f813e1) |
| 0:08:27.156110 | LOG | PULL\_RESP: Protocol version = 02, Token = b7d0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3054472057, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AR6XgnAL4E+E='}} |
| 0:08:27.156110 | LOG | Server --------------------> DUT |
| 0:08:27.156110 | LOG | TX\_ACK: 02 b7d0 05 aa555a0000240409 |
| 0:08:30.015395 | LOG | PULL\_DATA: 02 456e 02 aa555a0000240409 |
| 0:08:30.015395 | LOG | PULL\_ACK: 02 456e 04 |
| 0:08:31.995927 | LOG | PUSH\_ACK: 02 1371 01 |
| 0:08:31.995927 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1371, Identifier = 00, JSON = {'rxpk': [{'tmst': 3058314617, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AMwLgt5BNaS2Y'}]} |
| 0:08:31.995927 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0233, FOpts: ), FPort: e0, FRMPayload: 01b4, MIC: 4d692d98) |
| 0:08:31.995927 | LOG | Server <-------------------- DUT |
| 0:08:31.995927 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a548, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b9cec88a) |
| 0:08:31.995927 | LOG | PULL\_RESP: Protocol version = 02, Token = ac88, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3059314617, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ASKXgD7nOyIo='}} |
| 0:08:31.995927 | LOG | Server --------------------> DUT |
| 0:08:31.995927 | LOG | TX\_ACK: 02 ac88 05 aa555a0000240409 |
| 0:08:32.635969 | LOG | PUSH\_ACK: 02 1372 01 |
| 0:08:32.635969 | LOG | MIC MISMATCH! |
| 0:08:32.635969 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1372, Identifier = 00, JSON = {'rxpk': [{'tmst': 3058960640, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': -1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/7', 'lsnr': -12.0, 'rssi': -86, 'size': 148, 'data': 'QgBR33LfxYmrn9y9afW+h/hpmJPnY+YSM+G3QPd8NBytW6sQY/UNeDPjd59UFN7B1JwiMXPZHnK0ozioc7Dtd1VoKybIciPJMsQG47IbhMF+UrK9OnsqirWZleGnl18h6pXTW8qAZs5YU9b7XG5Ao0LgwwVfU5hD98Q0aOgnE5KnmsNZerWh5PwN+9WtehvL3lk+5w=='}]} |
| 0:08:32.635969 | LOG | DATA: (MHDR: 42, MACPayload: (FHDR: (DevAddr: 0051df72, FCtrl: df, FCnt: 89c5, FOpts: ab9fdcbd69f5be87f8699893e763e6), FPort: 12, FRMPayload: bc1560c280263c054de326bf0b7605314e7731bd3c0de6355a12e62fba448a12586c678190c0dc8a2c8a371850762d08e8dbf7d7f3f2a6d325d1a2ca2dd4fe4c8f40a9e95f7d39ba778e3898da0e444acf66dc1484cfa974682e675d2d245b453e98c173ecd422e39d504b5d9f4f5afbc5e38f526e23125e, MIC: de593ee7) |
| 0:08:36.851975 | LOG | PUSH\_ACK: 02 1373 01 |
| 0:08:36.854018 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1373, Identifier = 00, JSON = {'rxpk': [{'tmst': 3063157145, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ANALgQaqCS5y5'}]} |
| 0:08:36.854018 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0234, FOpts: ), FPort: e0, FRMPayload: 01b5, MIC: 824b9cb9) |
| 0:08:36.854018 | LOG | Server <-------------------- DUT |
| 0:08:36.854018 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a549, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ca596009) |
| 0:08:36.854018 | LOG | PULL\_RESP: Protocol version = 02, Token = 23cb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3064157145, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ASaXgeMpZYAk='}} |
| 0:08:36.854018 | LOG | Server --------------------> DUT |
| 0:08:36.854018 | LOG | TX\_ACK: 02 23cb 05 aa555a0000240409 |
| 0:08:40.134483 | LOG | PULL\_DATA: 02 0639 02 aa555a0000240409 |
| 0:08:40.134483 | LOG | PULL\_ACK: 02 0639 04 |
| 0:08:41.656925 | LOG | PUSH\_ACK: 02 1374 01 |
| 0:08:41.656925 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1374, Identifier = 00, JSON = {'rxpk': [{'tmst': 3067999720, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ANQLgO3MdJUwT'}]} |
| 0:08:41.656925 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0235, FOpts: ), FPort: e0, FRMPayload: 01b6, MIC: 1d254c13) |
| 0:08:41.656925 | LOG | Server <-------------------- DUT |
| 0:08:41.656925 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a54a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 7aaec28f) |
| 0:08:41.656925 | LOG | PULL\_RESP: Protocol version = 02, Token = b91c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3068999720, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ASqXgS3quwo8='}} |
| 0:08:41.656925 | LOG | Server --------------------> DUT |
| 0:08:41.656925 | LOG | TX\_ACK: 02 b91c 05 aa555a0000240409 |
| 0:08:46.558087 | LOG | PUSH\_ACK: 02 1375 01 |
| 0:08:46.560123 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1375, Identifier = 00, JSON = {'rxpk': [{'tmst': 3072882736, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ANgLgjDVCkUmN'}]} |
| 0:08:46.560123 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0236, FOpts: ), FPort: e0, FRMPayload: 01b7, MIC: 4291498d) |
| 0:08:46.560123 | LOG | Server <-------------------- DUT |
| 0:08:46.560123 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a54b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 44fb7c2d) |
| 0:08:46.560123 | LOG | PULL\_RESP: Protocol version = 02, Token = 3f48, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3073882736, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AS6XgzET7fC0='}} |
| 0:08:46.560123 | LOG | Server --------------------> DUT |
| 0:08:46.560123 | LOG | TX\_ACK: 02 3f48 05 aa555a0000240409 |
| 0:08:50.232833 | LOG | PULL\_DATA: 02 2099 02 aa555a0000240409 |
| 0:08:50.232833 | LOG | PULL\_ACK: 02 2099 04 |
| 0:08:51.432863 | LOG | PUSH\_ACK: 02 1377 01 |
| 0:08:51.432863 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1377, Identifier = 00, JSON = {'rxpk': [{'tmst': 3077725464, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 12.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ANwLgxmy455v9'}]} |
| 0:08:51.432863 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0237, FOpts: ), FPort: e0, FRMPayload: 01b8, MIC: b8e79bfd) |
| 0:08:51.432863 | LOG | Server <-------------------- DUT |
| 0:08:51.432863 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a54c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d34eacba) |
| 0:08:51.432863 | LOG | PULL\_RESP: Protocol version = 02, Token = 3d81, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3078725464, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ATKXgf9NOrLo='}} |
| 0:08:51.432863 | LOG | Server --------------------> DUT |
| 0:08:51.432863 | LOG | TX\_ACK: 02 3d81 05 aa555a0000240409 |
| 0:08:56.271628 | LOG | PUSH\_ACK: 02 1378 01 |
| 0:08:56.271628 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1378, Identifier = 00, JSON = {'rxpk': [{'tmst': 3082568016, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AOALgvQ46bEnJ'}]} |
| 0:08:56.271628 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0238, FOpts: ), FPort: e0, FRMPayload: 01b9, MIC: 3a6c49c9) |
| 0:08:56.271628 | LOG | Server <-------------------- DUT |
| 0:08:56.271628 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a54d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e179e9c9) |
| 0:08:56.271628 | LOG | PULL\_RESP: Protocol version = 02, Token = 1947, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3083568016, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ATaXgTeF56ck='}} |
| 0:08:56.271628 | LOG | Server --------------------> DUT |
| 0:08:56.271628 | LOG | TX\_ACK: 02 1947 05 aa555a0000240409 |
| 0:09:00.397010 | LOG | PULL\_DATA: 02 8fb9 02 aa555a0000240409 |
| 0:09:00.397010 | LOG | PULL\_ACK: 02 8fb9 04 |
| 0:09:01.097843 | LOG | PUSH\_ACK: 02 1379 01 |
| 0:09:01.099888 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1379, Identifier = 00, JSON = {'rxpk': [{'tmst': 3087410530, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AOQLgiYJ3HdYt'}]} |
| 0:09:01.099888 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0239, FOpts: ), FPort: e0, FRMPayload: 01ba, MIC: 771dd62d) |
| 0:09:01.099888 | LOG | Server <-------------------- DUT |
| 0:09:01.099888 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a54e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 0041c76a) |
| 0:09:01.099888 | LOG | PULL\_RESP: Protocol version = 02, Token = 20ba, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3088410530, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ATqXgBQBBx2o='}} |
| 0:09:01.099888 | LOG | Server --------------------> DUT |
| 0:09:01.099888 | LOG | TX\_ACK: 02 20ba 05 aa555a0000240409 |
| 0:09:05.957240 | LOG | PUSH\_ACK: 02 137a 01 |
| 0:09:05.957240 | LOG | PUSH\_DATA: Protocol version = 02, Token = 137a, Identifier = 00, JSON = {'rxpk': [{'tmst': 3092253010, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AOgLgiAzk09i0'}]} |
| 0:09:05.957240 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 023a, FOpts: ), FPort: e0, FRMPayload: 01bb, MIC: e4d3d8b4) |
| 0:09:05.957240 | LOG | Server <-------------------- DUT |
| 0:09:05.957240 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a54f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ed90946f) |
| 0:09:05.957240 | LOG | PULL\_RESP: Protocol version = 02, Token = cec1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3093253010, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AT6Xgse2QlG8='}} |
| 0:09:05.957240 | LOG | Server --------------------> DUT |
| 0:09:05.957240 | LOG | TX\_ACK: 02 cec1 05 aa555a0000240409 |
| 0:09:10.452274 | LOG | PULL\_DATA: 02 8adc 02 aa555a0000240409 |
| 0:09:10.452274 | LOG | PULL\_ACK: 02 8adc 04 |
| 0:09:10.740322 | LOG | PUSH\_ACK: 02 137b 01 |
| 0:09:10.740322 | LOG | PUSH\_DATA: Protocol version = 02, Token = 137b, Identifier = 00, JSON = {'rxpk': [{'tmst': 3097095555, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AOwLgYFQhlHlI'}]} |
| 0:09:10.740322 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 023b, FOpts: ), FPort: e0, FRMPayload: 01bc, MIC: 21947948) |
| 0:09:10.740322 | LOG | Server <-------------------- DUT |
| 0:09:10.740322 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a550, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 918569fe) |
| 0:09:10.740322 | LOG | PULL\_RESP: Protocol version = 02, Token = 8cd1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3098095555, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AUKXgFZGFaf4='}} |
| 0:09:10.740322 | LOG | Server --------------------> DUT |
| 0:09:10.740322 | LOG | TX\_ACK: 02 8cd1 05 aa555a0000240409 |
| 0:09:15.596993 | LOG | PUSH\_ACK: 02 137c 01 |
| 0:09:15.599080 | LOG | PUSH\_DATA: Protocol version = 02, Token = 137c, Identifier = 00, JSON = {'rxpk': [{'tmst': 3101938115, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6APALg/mQeyzzL'}]} |
| 0:09:15.599080 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 023c, FOpts: ), FPort: e0, FRMPayload: 01bd, MIC: 1ecb3ccb) |
| 0:09:15.599080 | LOG | Server <-------------------- DUT |
| 0:09:15.599080 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a551, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 1c45b88b) |
| 0:09:15.599080 | LOG | PULL\_RESP: Protocol version = 02, Token = f23b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3102938115, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AUaXgpxxFuIs='}} |
| 0:09:15.599080 | LOG | Server --------------------> DUT |
| 0:09:15.599080 | LOG | TX\_ACK: 02 f23b 05 aa555a0000240409 |
| 0:09:20.462451 | LOG | PUSH\_ACK: 02 137e 01 |
| 0:09:20.464466 | LOG | PUSH\_DATA: Protocol version = 02, Token = 137e, Identifier = 00, JSON = {'rxpk': [{'tmst': 3106780610, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6APQLgEMQc5tzJ'}]} |
| 0:09:20.464466 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 023d, FOpts: ), FPort: e0, FRMPayload: 01be, MIC: 1ce6dcc9) |
| 0:09:20.464466 | LOG | Server <-------------------- DUT |
| 0:09:20.464466 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a552, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 30bcd948) |
| 0:09:20.464466 | LOG | PULL\_RESP: Protocol version = 02, Token = 31e8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3107780610, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AUqXgZzC82Ug='}} |
| 0:09:20.464466 | LOG | Server --------------------> DUT |
| 0:09:20.464466 | LOG | TX\_ACK: 02 31e8 05 aa555a0000240409 |
| 0:09:20.472526 | LOG | PULL\_DATA: 02 83e6 02 aa555a0000240409 |
| 0:09:20.472526 | LOG | PULL\_ACK: 02 83e6 04 |
| 0:09:25.320554 | LOG | PUSH\_ACK: 02 137f 01 |
| 0:09:25.320554 | LOG | PUSH\_DATA: Protocol version = 02, Token = 137f, Identifier = 00, JSON = {'rxpk': [{'tmst': 3111663657, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6APgLgs2GGp2cu'}]} |
| 0:09:25.320554 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 023e, FOpts: ), FPort: e0, FRMPayload: 01bf, MIC: 86a7672e) |
| 0:09:25.320554 | LOG | Server <-------------------- DUT |
| 0:09:25.320554 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a553, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 81b3f5cd) |
| 0:09:25.320554 | LOG | PULL\_RESP: Protocol version = 02, Token = 4486, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3112663657, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AU6XgxYGz9c0='}} |
| 0:09:25.320554 | LOG | Server --------------------> DUT |
| 0:09:25.320554 | LOG | TX\_ACK: 02 4486 05 aa555a0000240409 |
| 0:09:30.218749 | LOG | PUSH\_ACK: 02 1380 01 |
| 0:09:30.220826 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1380, Identifier = 00, JSON = {'rxpk': [{'tmst': 3116506186, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6APwLgN1xZLV85'}]} |
| 0:09:30.220826 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 023f, FOpts: ), FPort: e0, FRMPayload: 01c0, MIC: 592d5f39) |
| 0:09:30.220826 | LOG | Server <-------------------- DUT |
| 0:09:30.220826 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a554, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 63f79f49) |
| 0:09:30.220826 | LOG | PULL\_RESP: Protocol version = 02, Token = fcf4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3117506186, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AVKXg6mP3n0k='}} |
| 0:09:30.220826 | LOG | Server --------------------> DUT |
| 0:09:30.220826 | LOG | TX\_ACK: 02 fcf4 05 aa555a0000240409 |
| 0:09:30.638873 | LOG | PULL\_DATA: 02 25e0 02 aa555a0000240409 |
| 0:09:30.638873 | LOG | PULL\_ACK: 02 25e0 04 |
| 0:09:35.018589 | LOG | PUSH\_ACK: 02 1381 01 |
| 0:09:35.020638 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1381, Identifier = 00, JSON = {'rxpk': [{'tmst': 3121348786, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AQALgemHh5gF9'}]} |
| 0:09:35.020638 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0240, FOpts: ), FPort: e0, FRMPayload: 01c1, MIC: e1e6017d) |
| 0:09:35.020638 | LOG | Server <-------------------- DUT |
| 0:09:35.020638 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a555, FOpts: ), FPort: e0, FRMPayload: 03), MIC: dca98df2) |
| 0:09:35.020638 | LOG | PULL\_RESP: Protocol version = 02, Token = a3ca, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3122348786, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AVaXg6typjfI='}} |
| 0:09:35.020638 | LOG | Server --------------------> DUT |
| 0:09:35.020638 | LOG | TX\_ACK: 02 a3ca 05 aa555a0000240409 |
| 0:09:39.869733 | LOG | PUSH\_ACK: 02 1382 01 |
| 0:09:39.871779 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1382, Identifier = 00, JSON = {'rxpk': [{'tmst': 3126191337, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AQQLgFH8xJB15'}]} |
| 0:09:39.871779 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0241, FOpts: ), FPort: e0, FRMPayload: 01c2, MIC: 31241d79) |
| 0:09:39.871779 | LOG | Server <-------------------- DUT |
| 0:09:39.871779 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a556, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 057b8424) |
| 0:09:39.871779 | LOG | PULL\_RESP: Protocol version = 02, Token = 7446, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3127191337, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AVqXgFAV7hCQ='}} |
| 0:09:39.871779 | LOG | Server --------------------> DUT |
| 0:09:39.871779 | LOG | TX\_ACK: 02 7446 05 aa555a0000240409 |
| 0:09:40.699827 | LOG | PULL\_DATA: 02 35d7 02 aa555a0000240409 |
| 0:09:40.699827 | LOG | PULL\_ACK: 02 35d7 04 |
| 0:09:44.726278 | LOG | PUSH\_ACK: 02 1383 01 |
| 0:09:44.728329 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1383, Identifier = 00, JSON = {'rxpk': [{'tmst': 3131033889, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AQgLgvCiKpRY6'}]} |
| 0:09:44.728329 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0242, FOpts: ), FPort: e0, FRMPayload: 01c3, MIC: 8aa5163a) |
| 0:09:44.728329 | LOG | Server <-------------------- DUT |
| 0:09:44.728329 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a557, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 5bd20dab) |
| 0:09:44.728329 | LOG | PULL\_RESP: Protocol version = 02, Token = 3577, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3132033889, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AV6XgbFvSDas='}} |
| 0:09:44.728329 | LOG | Server --------------------> DUT |
| 0:09:44.728329 | LOG | TX\_ACK: 02 3577 05 aa555a0000240409 |
| 0:09:49.588197 | LOG | PUSH\_ACK: 02 1385 01 |
| 0:09:49.590284 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1385, Identifier = 00, JSON = {'rxpk': [{'tmst': 3135876578, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AQwLg5iBUTmQh'}]} |
| 0:09:49.590284 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0243, FOpts: ), FPort: e0, FRMPayload: 01c4, MIC: 544e6421) |
| 0:09:49.590284 | LOG | Server <-------------------- DUT |
| 0:09:49.590284 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a558, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 32fd3ce5) |
| 0:09:49.590284 | LOG | PULL\_RESP: Protocol version = 02, Token = 42d6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3136876578, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AWKXgXzL9POU='}} |
| 0:09:49.590284 | LOG | Server --------------------> DUT |
| 0:09:49.590284 | LOG | TX\_ACK: 02 42d6 05 aa555a0000240409 |
| 0:09:50.838888 | LOG | PULL\_DATA: 02 808d 02 aa555a0000240409 |
| 0:09:50.838888 | LOG | PULL\_ACK: 02 808d 04 |
| 0:09:54.409923 | LOG | PUSH\_ACK: 02 1386 01 |
| 0:09:54.409923 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1386, Identifier = 00, JSON = {'rxpk': [{'tmst': 3140719203, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -42, 'size': 15, 'data': 'QO++rd6ARALgugk2d8f6'}]} |
| 0:09:54.409923 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0244, FOpts: ), FPort: e0, FRMPayload: 01c5, MIC: 3677c7fa) |
| 0:09:54.409923 | LOG | Server <-------------------- DUT |
| 0:09:54.409923 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a559, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d4885907) |
| 0:09:54.409923 | LOG | PULL\_RESP: Protocol version = 02, Token = 6a65, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3141719203, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AWaXgCNSIWQc='}} |
| 0:09:54.409923 | LOG | Server --------------------> DUT |
| 0:09:54.409923 | LOG | TX\_ACK: 02 6a65 05 aa555a0000240409 |
| 0:09:59.230562 | LOG | PUSH\_ACK: 02 1387 01 |
| 0:09:59.230562 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1387, Identifier = 00, JSON = {'rxpk': [{'tmst': 3145561762, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -42, 'size': 15, 'data': 'QO++rd6ARQLg5s8GpMNX'}]} |
| 0:09:59.230562 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0245, FOpts: ), FPort: e0, FRMPayload: 01c6, MIC: 06a4c357) |
| 0:09:59.230562 | LOG | Server <-------------------- DUT |
| 0:09:59.230562 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a55a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 34311600) |
| 0:09:59.230562 | LOG | PULL\_RESP: Protocol version = 02, Token = 856b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3146561762, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AWqXggTQxFgA='}} |
| 0:09:59.230562 | LOG | Server --------------------> DUT |
| 0:09:59.230562 | LOG | TX\_ACK: 02 856b 05 aa555a0000240409 |
| 0:10:00.879000 | LOG | PULL\_DATA: 02 3ed1 02 aa555a0000240409 |
| 0:10:00.879000 | LOG | PULL\_ACK: 02 3ed1 04 |
| 0:10:04.126769 | LOG | PUSH\_ACK: 02 1388 01 |
| 0:10:04.126769 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1388, Identifier = 00, JSON = {'rxpk': [{'tmst': 3150444777, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ARgLgO79+WrMu'}]} |
| 0:10:04.126769 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0246, FOpts: ), FPort: e0, FRMPayload: 01c7, MIC: 7e5ab32e) |
| 0:10:04.129918 | LOG | Server <-------------------- DUT |
| 0:10:04.129918 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a55b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: aeb2451d) |
| 0:10:04.129918 | LOG | PULL\_RESP: Protocol version = 02, Token = 4100, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3151444777, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AW6Xgnq6yRR0='}} |
| 0:10:04.129918 | LOG | Server --------------------> DUT |
| 0:10:04.129918 | LOG | TX\_ACK: 02 4100 05 aa555a0000240409 |
| 0:10:08.938192 | LOG | PUSH\_ACK: 02 1389 01 |
| 0:10:08.938192 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1389, Identifier = 00, JSON = {'rxpk': [{'tmst': 3155287321, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -44, 'size': 15, 'data': 'QO++rd6ARwLgxNFdk8qb'}]} |
| 0:10:08.938192 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0247, FOpts: ), FPort: e0, FRMPayload: 01c8, MIC: 5d93ca9b) |
| 0:10:08.938192 | LOG | Server <-------------------- DUT |
| 0:10:08.938192 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a55c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 6b24d59e) |
| 0:10:08.938192 | LOG | PULL\_RESP: Protocol version = 02, Token = 5713, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3156287321, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AXKXg+2sk1Z4='}} |
| 0:10:08.938192 | LOG | Server --------------------> DUT |
| 0:10:08.938192 | LOG | TX\_ACK: 02 5713 05 aa555a0000240409 |
| 0:10:11.006384 | LOG | PULL\_DATA: 02 957d 02 aa555a0000240409 |
| 0:10:11.006384 | LOG | PULL\_ACK: 02 957d 04 |
| 0:10:13.837791 | LOG | PUSH\_ACK: 02 138a 01 |
| 0:10:13.839880 | LOG | PUSH\_DATA: Protocol version = 02, Token = 138a, Identifier = 00, JSON = {'rxpk': [{'tmst': 3160129857, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -37, 'size': 15, 'data': 'QO++rd6ASALgE8aaAWlJ'}]} |
| 0:10:13.839880 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0248, FOpts: ), FPort: e0, FRMPayload: 01c9, MIC: 9a016949) |
| 0:10:13.839880 | LOG | Server <-------------------- DUT |
| 0:10:13.839880 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a55d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 5aa8591d) |
| 0:10:13.839880 | LOG | PULL\_RESP: Protocol version = 02, Token = ab0f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3161129857, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AXaXg2VqoWR0='}} |
| 0:10:13.839880 | LOG | Server --------------------> DUT |
| 0:10:13.839880 | LOG | TX\_ACK: 02 ab0f 05 aa555a0000240409 |
| 0:10:18.695823 | LOG | PUSH\_ACK: 02 138b 01 |
| 0:10:18.695823 | LOG | PUSH\_DATA: Protocol version = 02, Token = 138b, Identifier = 00, JSON = {'rxpk': [{'tmst': 3164972362, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ASQLgRibcH0+W'}]} |
| 0:10:18.695823 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0249, FOpts: ), FPort: e0, FRMPayload: 01ca, MIC: dc1f4f96) |
| 0:10:18.695823 | LOG | Server <-------------------- DUT |
| 0:10:18.695823 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a55e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 388058b5) |
| 0:10:18.695823 | LOG | PULL\_RESP: Protocol version = 02, Token = 376e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3165972362, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AXqXgQDiAWLU='}} |
| 0:10:18.695823 | LOG | Server --------------------> DUT |
| 0:10:18.695823 | LOG | TX\_ACK: 02 376e 05 aa555a0000240409 |
| 0:10:21.163083 | LOG | PULL\_DATA: 02 1e61 02 aa555a0000240409 |
| 0:10:21.163083 | LOG | PULL\_ACK: 02 1e61 04 |
| 0:10:23.514035 | LOG | PUSH\_ACK: 02 138d 01 |
| 0:10:23.516103 | LOG | PUSH\_DATA: Protocol version = 02, Token = 138d, Identifier = 00, JSON = {'rxpk': [{'tmst': 3169814953, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -48, 'size': 15, 'data': 'QO++rd6ASgLgmN+CVztY'}]} |
| 0:10:23.516103 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 024a, FOpts: ), FPort: e0, FRMPayload: 01cb, MIC: 82573b58) |
| 0:10:23.516103 | LOG | Server <-------------------- DUT |
| 0:10:23.516103 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a55f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 101cd63b) |
| 0:10:23.516103 | LOG | PULL\_RESP: Protocol version = 02, Token = c508, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3170814953, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AX6XgERAc1js='}} |
| 0:10:23.516103 | LOG | Server --------------------> DUT |
| 0:10:23.516103 | LOG | TX\_ACK: 02 c508 05 aa555a0000240409 |
| 0:10:28.366315 | LOG | PUSH\_ACK: 02 138e 01 |
| 0:10:28.366315 | LOG | PUSH\_DATA: Protocol version = 02, Token = 138e, Identifier = 00, JSON = {'rxpk': [{'tmst': 3174657474, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ASwLg2192Nutg'}]} |
| 0:10:28.366315 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 024b, FOpts: ), FPort: e0, FRMPayload: 01cc, MIC: 7636eb60) |
| 0:10:28.366315 | LOG | Server <-------------------- DUT |
| 0:10:28.366315 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a560, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ae6f810f) |
| 0:10:28.366315 | LOG | PULL\_RESP: Protocol version = 02, Token = 47b9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3175657474, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AYKXgWq5vgQ8='}} |
| 0:10:28.366315 | LOG | Server --------------------> DUT |
| 0:10:28.366315 | LOG | TX\_ACK: 02 47b9 05 aa555a0000240409 |
| 0:10:31.239122 | LOG | PULL\_DATA: 02 96b0 02 aa555a0000240409 |
| 0:10:31.239122 | LOG | PULL\_ACK: 02 96b0 04 |
| 0:10:33.209457 | LOG | PUSH\_ACK: 02 138f 01 |
| 0:10:33.209457 | LOG | PUSH\_DATA: Protocol version = 02, Token = 138f, Identifier = 00, JSON = {'rxpk': [{'tmst': 3179499976, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ATALgYsT8C/WG'}]} |
| 0:10:33.209457 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 024c, FOpts: ), FPort: e0, FRMPayload: 01cd, MIC: fc0bf586) |
| 0:10:33.209457 | LOG | Server <-------------------- DUT |
| 0:10:33.209457 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a561, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 3f245ae3) |
| 0:10:33.209457 | LOG | PULL\_RESP: Protocol version = 02, Token = 0058, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3180499976, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AYaXg7T8kWuM='}} |
| 0:10:33.209457 | LOG | Server --------------------> DUT |
| 0:10:33.209457 | LOG | TX\_ACK: 02 0058 05 aa555a0000240409 |
| 0:10:38.008194 | LOG | PUSH\_ACK: 02 1390 01 |
| 0:10:38.010221 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1390, Identifier = 00, JSON = {'rxpk': [{'tmst': 3184342513, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ATQLgQ1b1tNuP'}]} |
| 0:10:38.010221 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 024d, FOpts: ), FPort: e0, FRMPayload: 01ce, MIC: f5b4db8f) |
| 0:10:38.010221 | LOG | Server <-------------------- DUT |
| 0:10:38.010221 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a562, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 7bed1556) |
| 0:10:38.010221 | LOG | PULL\_RESP: Protocol version = 02, Token = 81ed, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3185342513, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AYqXgunvtFVY='}} |
| 0:10:38.010221 | LOG | Server --------------------> DUT |
| 0:10:38.010221 | LOG | TX\_ACK: 02 81ed 05 aa555a0000240409 |
| 0:10:41.312655 | LOG | PULL\_DATA: 02 26a7 02 aa555a0000240409 |
| 0:10:41.312655 | LOG | PULL\_ACK: 02 26a7 04 |
| 0:10:42.873610 | LOG | PUSH\_ACK: 02 1391 01 |
| 0:10:42.873610 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1391, Identifier = 00, JSON = {'rxpk': [{'tmst': 3189225752, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ATgLghX9Y960b'}]} |
| 0:10:42.873610 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 024e, FOpts: ), FPort: e0, FRMPayload: 01cf, MIC: 58f7ad1b) |
| 0:10:42.873610 | LOG | Server <-------------------- DUT |
| 0:10:42.873610 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a563, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 2406d920) |
| 0:10:42.873610 | LOG | PULL\_RESP: Protocol version = 02, Token = 3eef, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3190225752, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AY6XgBiQG2SA='}} |
| 0:10:42.873610 | LOG | Server --------------------> DUT |
| 0:10:42.873610 | LOG | TX\_ACK: 02 3eef 05 aa555a0000240409 |
| 0:10:47.742310 | LOG | PUSH\_ACK: 02 1392 01 |
| 0:10:47.742310 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1392, Identifier = 00, JSON = {'rxpk': [{'tmst': 3194068480, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ATwLgqyu3YNne'}]} |
| 0:10:47.742310 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 024f, FOpts: ), FPort: e0, FRMPayload: 01d0, MIC: b760d9de) |
| 0:10:47.742310 | LOG | Server <-------------------- DUT |
| 0:10:47.742310 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a564, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 005f4652) |
| 0:10:47.742310 | LOG | PULL\_RESP: Protocol version = 02, Token = 9205, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3195068480, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AZKXgkwBfRlI='}} |
| 0:10:47.742310 | LOG | Server --------------------> DUT |
| 0:10:47.742310 | LOG | TX\_ACK: 02 9205 05 aa555a0000240409 |
| 0:10:51.481074 | LOG | PULL\_DATA: 02 e981 02 aa555a0000240409 |
| 0:10:51.481074 | LOG | PULL\_ACK: 02 e981 04 |
| 0:10:52.629035 | LOG | PUSH\_ACK: 02 1394 01 |
| 0:10:52.629035 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1394, Identifier = 00, JSON = {'rxpk': [{'tmst': 3198911000, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AUALgj3LEy0WR'}]} |
| 0:10:52.629035 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0250, FOpts: ), FPort: e0, FRMPayload: 01d1, MIC: c4cb4591) |
| 0:10:52.629035 | LOG | Server <-------------------- DUT |
| 0:10:52.629035 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a565, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 16f2075c) |
| 0:10:52.629035 | LOG | PULL\_RESP: Protocol version = 02, Token = caae, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3199911000, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AZaXgzBbyB1w='}} |
| 0:10:52.629035 | LOG | Server --------------------> DUT |
| 0:10:52.629035 | LOG | TX\_ACK: 02 caae 05 aa555a0000240409 |
| 0:10:57.469634 | LOG | PUSH\_ACK: 02 1395 01 |
| 0:10:57.469634 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1395, Identifier = 00, JSON = {'rxpk': [{'tmst': 3203753567, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AUQLgOW9WnhzB'}]} |
| 0:10:57.469634 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0251, FOpts: ), FPort: e0, FRMPayload: 01d2, MIC: 569e1cc1) |
| 0:10:57.469634 | LOG | Server <-------------------- DUT |
| 0:10:57.477666 | LOG | Number of downlinks: 60 |
| 0:10:57.477666 | LOG | Number of errors: 0 |
| 0:10:57.487652 | LOG | Packet Error Rate (%): 0.0 |
| 0:10:57.487652 | LOG | Packet error rate SF9BW125 process tested successfully |
| 0:10:57.487652 | LOG | End Test Step: Test packet error rate for SF11BW500 using RX1 window |
| 0:10:57.487652 | LOG | Partial Verdict: PASS |
| 0:10:57.487652 | LOG | ========================================================= |
| 0:10:57.497651 | LOG | ========================================================= |
| 0:10:57.497651 | LOG | Start Test Step: Test packet error rate for SF10BW500 using RX1 window |
| 0:10:57.497651 | LOG | Send LinkADRReq process starts |
| 0:11:01.681218 | LOG | PULL\_DATA: 02 95f5 02 aa555a0000240409 |
| 0:11:01.681218 | LOG | PULL\_ACK: 02 95f5 04 |
| 0:11:02.278323 | LOG | PUSH\_ACK: 02 1396 01 |
| 0:11:02.280370 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1396, Identifier = 00, JSON = {'rxpk': [{'tmst': 3208596055, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AUgLguFym7iGB'}]} |
| 0:11:02.280370 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0252, FOpts: ), FPort: e0, FRMPayload: 01d2, MIC: a6ee2181) |
| 0:11:02.280370 | LOG | Server <-------------------- DUT |
| 0:11:02.280370 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a566, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: 65eabc94) |
| 0:11:02.280370 | LOG | PULL\_RESP: Protocol version = 02, Token = f1b5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3209596055, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AZqUAUC0BKBRl6ryU'}} |
| 0:11:02.280370 | LOG | Server --------------------> DUT |
| 0:11:02.280370 | LOG | TX\_ACK: 02 f1b5 05 aa555a0000240409 |
| 0:11:07.067867 | LOG | PUSH\_ACK: 02 1397 01 |
| 0:11:07.067867 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1397, Identifier = 00, JSON = {'rxpk': [{'tmst': 3213366692, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CUwIDB+CCnuQt33c='}]} |
| 0:11:07.067867 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0253, FOpts: 0307), FPort: e0, FRMPayload: 01d3, MIC: e42ddf77) |
| 0:11:07.067867 | LOG | Server <-------------------- DUT |
| 0:11:07.067867 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:11:07.067867 | LOG | Command Answer: 0307 |
| 0:11:07.067867 | LOG | MAC command communication completed |
| 0:11:07.077831 | LOG | Send RXParamSetupReq process starts |
| 0:11:11.693750 | LOG | PULL\_DATA: 02 71d8 02 aa555a0000240409 |
| 0:11:11.693750 | LOG | PULL\_ACK: 02 71d8 04 |
| 0:11:11.902799 | LOG | PUSH\_ACK: 02 1398 01 |
| 0:11:11.902799 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1398, Identifier = 00, JSON = {'rxpk': [{'tmst': 3218208868, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AVALgwZbEAQq3'}]} |
| 0:11:11.902799 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0254, FOpts: ), FPort: e0, FRMPayload: 01d3, MIC: c4010ab7) |
| 0:11:11.902799 | LOG | Server <-------------------- DUT |
| 0:11:11.902799 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a567, FOpts: ), FPort: 00, FRMPayload: 052868e28c), MIC: f0a2b518) |
| 0:11:11.902799 | LOG | PULL\_RESP: Protocol version = 02, Token = 3712, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3219208868, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AZ6UA3XDndiLworUY'}} |
| 0:11:11.902799 | LOG | Server --------------------> DUT |
| 0:11:11.902799 | LOG | TX\_ACK: 02 3712 05 aa555a0000240409 |
| 0:11:16.702716 | LOG | PUSH\_ACK: 02 1399 01 |
| 0:11:16.704733 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1399, Identifier = 00, JSON = {'rxpk': [{'tmst': 3223051750, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -47, 'size': 17, 'data': 'QO++rd6CVQIFB+DBJAsqW4s='}]} |
| 0:11:16.704733 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0255, FOpts: 0507), FPort: e0, FRMPayload: 01d4, MIC: 0b2a5b8b) |
| 0:11:16.704733 | LOG | Server <-------------------- DUT |
| 0:11:16.704733 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:11:16.704733 | LOG | Command Answer: 0507 |
| 0:11:16.712787 | LOG | Send ACK to DUT process starts |
| 0:11:16.712787 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a568, FOpts: ), FPort: , FRMPayload: ), MIC: 4ea8d86c) |
| 0:11:16.712787 | LOG | PULL\_RESP: Protocol version = 02, Token = 05aa, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3224051750, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AaKVOqNhs'}} |
| 0:11:16.712787 | LOG | Server --------------------> DUT |
| 0:11:16.712787 | LOG | Send ACK to DUT tested successfully |
| 0:11:16.722745 | LOG | MAC command communication completed |
| 0:11:16.722745 | LOG | Packet error rate (Unconfirmed) SF8BW125 process starts |
| 0:11:21.598344 | LOG | PUSH\_ACK: 02 139b 01 |
| 0:11:21.598344 | LOG | PUSH\_DATA: Protocol version = 02, Token = 139b, Identifier = 00, JSON = {'rxpk': [{'tmst': 3227934453, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AVgLgWsyHnaxf'}]} |
| 0:11:21.598344 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0256, FOpts: ), FPort: e0, FRMPayload: 01d5, MIC: 879dac5f) |
| 0:11:21.598344 | LOG | Server <-------------------- DUT |
| 0:11:21.598344 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a569, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a0c7ae28) |
| 0:11:21.598344 | LOG | PULL\_RESP: Protocol version = 02, Token = f9e1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3228934453, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AaaXgUaDHrig='}} |
| 0:11:21.598344 | LOG | Server --------------------> DUT |
| 0:11:21.598344 | LOG | TX\_ACK: 02 f9e1 05 aa555a0000240409 |
| 0:11:21.808734 | LOG | PULL\_DATA: 02 0199 02 aa555a0000240409 |
| 0:11:21.808734 | LOG | PULL\_ACK: 02 0199 04 |
| 0:11:26.444987 | LOG | PUSH\_ACK: 02 139c 01 |
| 0:11:26.447184 | LOG | PUSH\_DATA: Protocol version = 02, Token = 139c, Identifier = 00, JSON = {'rxpk': [{'tmst': 3232777196, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AVwLgoyNBp5EQ'}]} |
| 0:11:26.447184 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0257, FOpts: ), FPort: e0, FRMPayload: 01d6, MIC: 41a79110) |
| 0:11:26.447184 | LOG | Server <-------------------- DUT |
| 0:11:26.447184 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a56a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c33ad3cb) |
| 0:11:26.447184 | LOG | PULL\_RESP: Protocol version = 02, Token = 2a51, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3233777196, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AaqXgI8M608s='}} |
| 0:11:26.447184 | LOG | Server --------------------> DUT |
| 0:11:26.447184 | LOG | TX\_ACK: 02 2a51 05 aa555a0000240409 |
| 0:11:31.292791 | LOG | PUSH\_ACK: 02 139d 01 |
| 0:11:31.292791 | LOG | PUSH\_DATA: Protocol version = 02, Token = 139d, Identifier = 00, JSON = {'rxpk': [{'tmst': 3237619766, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AWALgDBpExmvf'}]} |
| 0:11:31.292791 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0258, FOpts: ), FPort: e0, FRMPayload: 01d7, MIC: 44c66bdf) |
| 0:11:31.292791 | LOG | Server <-------------------- DUT |
| 0:11:31.292791 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a56b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: bbd9969a) |
| 0:11:31.292791 | LOG | PULL\_RESP: Protocol version = 02, Token = b82a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3238619766, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Aa6XgOLvZlpo='}} |
| 0:11:31.292791 | LOG | Server --------------------> DUT |
| 0:11:31.292791 | LOG | TX\_ACK: 02 b82a 05 aa555a0000240409 |
| 0:11:31.933141 | LOG | PULL\_DATA: 02 0fa2 02 aa555a0000240409 |
| 0:11:31.933141 | LOG | PULL\_ACK: 02 0fa2 04 |
| 0:11:36.168075 | LOG | PUSH\_ACK: 02 139e 01 |
| 0:11:36.168075 | LOG | PUSH\_DATA: Protocol version = 02, Token = 139e, Identifier = 00, JSON = {'rxpk': [{'tmst': 3242462302, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AWQLgfiYEBb+7'}]} |
| 0:11:36.168075 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0259, FOpts: ), FPort: e0, FRMPayload: 01d8, MIC: 0405bfbb) |
| 0:11:36.168075 | LOG | Server <-------------------- DUT |
| 0:11:36.168075 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a56c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: fde9f853) |
| 0:11:36.168075 | LOG | PULL\_RESP: Protocol version = 02, Token = fca8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3243462302, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AbKXgiP3p+FM='}} |
| 0:11:36.168075 | LOG | Server --------------------> DUT |
| 0:11:36.168075 | LOG | TX\_ACK: 02 fca8 05 aa555a0000240409 |
| 0:11:38.387027 | LOG | Cannot unpack the message |
| 0:11:40.947750 | LOG | PUSH\_ACK: 02 13a0 01 |
| 0:11:40.947750 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13a0, Identifier = 00, JSON = {'rxpk': [{'tmst': 3247304878, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AWgLg0jjrXX6V'}]} |
| 0:11:40.947750 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 025a, FOpts: ), FPort: e0, FRMPayload: 01d9, MIC: eb5d7e95) |
| 0:11:40.947750 | LOG | Server <-------------------- DUT |
| 0:11:40.947750 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a56d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e36ab271) |
| 0:11:40.947750 | LOG | PULL\_RESP: Protocol version = 02, Token = 9605, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3248304878, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AbaXggeNqsnE='}} |
| 0:11:40.947750 | LOG | Server --------------------> DUT |
| 0:11:40.947750 | LOG | TX\_ACK: 02 9605 05 aa555a0000240409 |
| 0:11:41.978460 | LOG | PULL\_DATA: 02 f8f6 02 aa555a0000240409 |
| 0:11:41.978460 | LOG | PULL\_ACK: 02 f8f6 04 |
| 0:11:45.821441 | LOG | PUSH\_ACK: 02 13a1 01 |
| 0:11:45.823489 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13a1, Identifier = 00, JSON = {'rxpk': [{'tmst': 3252147525, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AWwLggEGiVmHX'}]} |
| 0:11:45.823489 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 025b, FOpts: ), FPort: e0, FRMPayload: 01da, MIC: a25661d7) |
| 0:11:45.823489 | LOG | Server <-------------------- DUT |
| 0:11:45.823489 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a56e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 556ee8c0) |
| 0:11:45.823489 | LOG | PULL\_RESP: Protocol version = 02, Token = ac35, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3253147525, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AbqXgAVVu6MA='}} |
| 0:11:45.823489 | LOG | Server --------------------> DUT |
| 0:11:45.823489 | LOG | TX\_ACK: 02 ac35 05 aa555a0000240409 |
| 0:11:50.672254 | LOG | PUSH\_ACK: 02 13a3 01 |
| 0:11:50.672254 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13a3, Identifier = 00, JSON = {'rxpk': [{'tmst': 3256990100, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AXALg2CvhGDSR'}]} |
| 0:11:50.672254 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 025c, FOpts: ), FPort: e0, FRMPayload: 01db, MIC: e1183491) |
| 0:11:50.672254 | LOG | Server <-------------------- DUT |
| 0:11:50.672254 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a56f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 47eb7e6e) |
| 0:11:50.672254 | LOG | PULL\_RESP: Protocol version = 02, Token = 1000, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3257990100, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Ab6Xgakfrfm4='}} |
| 0:11:50.672254 | LOG | Server --------------------> DUT |
| 0:11:50.672254 | LOG | TX\_ACK: 02 1000 05 aa555a0000240409 |
| 0:11:52.128021 | LOG | PULL\_DATA: 02 687e 02 aa555a0000240409 |
| 0:11:52.128021 | LOG | PULL\_ACK: 02 687e 04 |
| 0:11:55.525660 | LOG | PUSH\_ACK: 02 13a4 01 |
| 0:11:55.525660 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13a4, Identifier = 00, JSON = {'rxpk': [{'tmst': 3261832650, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AXQLguiCgADqV'}]} |
| 0:11:55.525660 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 025d, FOpts: ), FPort: e0, FRMPayload: 01dc, MIC: a0003a95) |
| 0:11:55.525660 | LOG | Server <-------------------- DUT |
| 0:11:55.525660 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a570, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 86e442c9) |
| 0:11:55.525660 | LOG | PULL\_RESP: Protocol version = 02, Token = 2bde, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3262832650, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AcKXg2YbkQsk='}} |
| 0:11:55.525660 | LOG | Server --------------------> DUT |
| 0:11:55.525660 | LOG | TX\_ACK: 02 2bde 05 aa555a0000240409 |
| 0:12:00.392795 | LOG | PUSH\_ACK: 02 13a5 01 |
| 0:12:00.392795 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13a5, Identifier = 00, JSON = {'rxpk': [{'tmst': 3266715788, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AXgLgUkm9T0Fz'}]} |
| 0:12:00.392795 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 025e, FOpts: ), FPort: e0, FRMPayload: 01dd, MIC: bd4f4173) |
| 0:12:00.392795 | LOG | Server <-------------------- DUT |
| 0:12:00.392795 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a571, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c571858c) |
| 0:12:00.392795 | LOG | PULL\_RESP: Protocol version = 02, Token = 94c2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3267715788, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AcaXgfcVxhYw='}} |
| 0:12:00.392795 | LOG | Server --------------------> DUT |
| 0:12:00.392795 | LOG | TX\_ACK: 02 94c2 05 aa555a0000240409 |
| 0:12:02.251808 | LOG | PULL\_DATA: 02 e8da 02 aa555a0000240409 |
| 0:12:02.251808 | LOG | PULL\_ACK: 02 e8da 04 |
| 0:12:05.279729 | LOG | PUSH\_ACK: 02 13a6 01 |
| 0:12:05.279729 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13a6, Identifier = 00, JSON = {'rxpk': [{'tmst': 3271558365, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AXwLg69lBe3Vl'}]} |
| 0:12:05.279729 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 025f, FOpts: ), FPort: e0, FRMPayload: 01de, MIC: 417b7565) |
| 0:12:05.279729 | LOG | Server <-------------------- DUT |
| 0:12:05.279729 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a572, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a152bafc) |
| 0:12:05.279729 | LOG | PULL\_RESP: Protocol version = 02, Token = 19ca, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3272558365, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AcqXgLqFSuvw='}} |
| 0:12:05.279729 | LOG | Server --------------------> DUT |
| 0:12:05.279729 | LOG | TX\_ACK: 02 19ca 05 aa555a0000240409 |
| 0:12:10.101028 | LOG | PUSH\_ACK: 02 13a7 01 |
| 0:12:10.103101 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13a7, Identifier = 00, JSON = {'rxpk': [{'tmst': 3276400996, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AYALgvt57DKbP'}]} |
| 0:12:10.103101 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0260, FOpts: ), FPort: e0, FRMPayload: 01df, MIC: 7b0ca6cf) |
| 0:12:10.103101 | LOG | Server <-------------------- DUT |
| 0:12:10.103101 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a573, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ff0eb8c4) |
| 0:12:10.103101 | LOG | PULL\_RESP: Protocol version = 02, Token = 5293, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3277400996, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Ac6XgpP8OuMQ='}} |
| 0:12:10.103101 | LOG | Server --------------------> DUT |
| 0:12:10.103101 | LOG | TX\_ACK: 02 5293 05 aa555a0000240409 |
| 0:12:12.362852 | LOG | PULL\_DATA: 02 e9b9 02 aa555a0000240409 |
| 0:12:12.362852 | LOG | PULL\_ACK: 02 e9b9 04 |
| 0:12:14.932091 | LOG | PUSH\_ACK: 02 13a8 01 |
| 0:12:14.932091 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13a8, Identifier = 00, JSON = {'rxpk': [{'tmst': 3281243621, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AYQLg/Rnvpyxl'}]} |
| 0:12:14.932091 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0261, FOpts: ), FPort: e0, FRMPayload: 01e0, MIC: efa72c65) |
| 0:12:14.932091 | LOG | Server <-------------------- DUT |
| 0:12:14.932091 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a574, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 53d75b05) |
| 0:12:14.932091 | LOG | PULL\_RESP: Protocol version = 02, Token = 103a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3282243621, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AdKXgjlPXWwU='}} |
| 0:12:14.932091 | LOG | Server --------------------> DUT |
| 0:12:14.932091 | LOG | TX\_ACK: 02 103a 05 aa555a0000240409 |
| 0:12:19.765046 | LOG | PUSH\_ACK: 02 13a9 01 |
| 0:12:19.767096 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13a9, Identifier = 00, JSON = {'rxpk': [{'tmst': 3286086204, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AYgLgxGnPudln'}], 'stat': {'time': '2021-08-03 20:25:04 GMT', 'rxnb': 6, 'rxok': 6, 'rxfw': 6, 'ackr': 85.7, 'dwnb': 6, 'txnb': 6}} |
| 0:12:19.767096 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0262, FOpts: ), FPort: e0, FRMPayload: 01e1, MIC: cfb9d967) |
| 0:12:19.767096 | LOG | Server <-------------------- DUT |
| 0:12:19.767096 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a575, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 3e09e58b) |
| 0:12:19.767096 | LOG | PULL\_RESP: Protocol version = 02, Token = 992e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3287086204, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AdaXg2z4J5Ys='}} |
| 0:12:19.767096 | LOG | Server --------------------> DUT |
| 0:12:19.767096 | LOG | TX\_ACK: 02 992e 05 aa555a0000240409 |
| 0:12:22.435528 | LOG | PULL\_DATA: 02 3c0b 02 aa555a0000240409 |
| 0:12:22.435528 | LOG | PULL\_ACK: 02 3c0b 04 |
| 0:12:24.590465 | LOG | PUSH\_ACK: 02 13aa 01 |
| 0:12:24.590465 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13aa, Identifier = 00, JSON = {'rxpk': [{'tmst': 3290929021, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AYwLgyFeUkfjv'}]} |
| 0:12:24.590465 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0263, FOpts: ), FPort: e0, FRMPayload: 01e2, MIC: 9491f8ef) |
| 0:12:24.590465 | LOG | Server <-------------------- DUT |
| 0:12:24.590465 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a576, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 0dd57550) |
| 0:12:24.590465 | LOG | PULL\_RESP: Protocol version = 02, Token = 355b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3291929021, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AdqXglw3VdVA='}} |
| 0:12:24.590465 | LOG | Server --------------------> DUT |
| 0:12:24.590465 | LOG | TX\_ACK: 02 355b 05 aa555a0000240409 |
| 0:12:29.495568 | LOG | PUSH\_ACK: 02 13ab 01 |
| 0:12:29.495568 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13ab, Identifier = 00, JSON = {'rxpk': [{'tmst': 3295771644, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AZALgWePM8Znm'}]} |
| 0:12:29.495568 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0264, FOpts: ), FPort: e0, FRMPayload: 01e3, MIC: ccf199e6) |
| 0:12:29.495568 | LOG | Server <-------------------- DUT |
| 0:12:29.495568 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a577, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 462f0e23) |
| 0:12:29.495568 | LOG | PULL\_RESP: Protocol version = 02, Token = 76bc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3296771644, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Ad6Xg/0YvDiM='}} |
| 0:12:29.495568 | LOG | Server --------------------> DUT |
| 0:12:29.495568 | LOG | TX\_ACK: 02 76bc 05 aa555a0000240409 |
| 0:12:32.589941 | LOG | PULL\_DATA: 02 097d 02 aa555a0000240409 |
| 0:12:32.589941 | LOG | PULL\_ACK: 02 097d 04 |
| 0:12:34.310438 | LOG | PUSH\_ACK: 02 13ac 01 |
| 0:12:34.310438 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13ac, Identifier = 00, JSON = {'rxpk': [{'tmst': 3300614187, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AZQLgS4+k2aqF'}]} |
| 0:12:34.310438 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0265, FOpts: ), FPort: e0, FRMPayload: 01e4, MIC: a4d9aa85) |
| 0:12:34.310438 | LOG | Server <-------------------- DUT |
| 0:12:34.310438 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a578, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d0be4e8a) |
| 0:12:34.310438 | LOG | PULL\_RESP: Protocol version = 02, Token = da0f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3301614187, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AeKXgf9C+Too='}} |
| 0:12:34.310438 | LOG | Server --------------------> DUT |
| 0:12:34.310438 | LOG | TX\_ACK: 02 da0f 05 aa555a0000240409 |
| 0:12:39.150749 | LOG | PUSH\_ACK: 02 13ad 01 |
| 0:12:39.150749 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13ad, Identifier = 00, JSON = {'rxpk': [{'tmst': 3305497388, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AZgLgig2cdUJj'}]} |
| 0:12:39.150749 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0266, FOpts: ), FPort: e0, FRMPayload: 01e5, MIC: 9c754263) |
| 0:12:39.150749 | LOG | Server <-------------------- DUT |
| 0:12:39.150749 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a579, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 6faa86a9) |
| 0:12:39.150749 | LOG | PULL\_RESP: Protocol version = 02, Token = c206, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3306497388, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AeaXgm2+qhqk='}} |
| 0:12:39.150749 | LOG | Server --------------------> DUT |
| 0:12:39.150749 | LOG | TX\_ACK: 02 c206 05 aa555a0000240409 |
| 0:12:42.639732 | LOG | PULL\_DATA: 02 c823 02 aa555a0000240409 |
| 0:12:42.639732 | LOG | PULL\_ACK: 02 c823 04 |
| 0:12:43.991054 | LOG | PUSH\_ACK: 02 13ae 01 |
| 0:12:43.993098 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13ae, Identifier = 00, JSON = {'rxpk': [{'tmst': 3310340213, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AZwLgDwvgvbHD'}]} |
| 0:12:43.993098 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0267, FOpts: ), FPort: e0, FRMPayload: 01e6, MIC: e0bdb1c3) |
| 0:12:43.993098 | LOG | Server <-------------------- DUT |
| 0:12:43.993098 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a57a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 4f475f35) |
| 0:12:43.993098 | LOG | PULL\_RESP: Protocol version = 02, Token = c628, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3311340213, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AeqXg3U9HXzU='}} |
| 0:12:43.993098 | LOG | Server --------------------> DUT |
| 0:12:43.993098 | LOG | TX\_ACK: 02 c628 05 aa555a0000240409 |
| 0:12:48.877549 | LOG | PUSH\_ACK: 02 13af 01 |
| 0:12:48.879636 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13af, Identifier = 00, JSON = {'rxpk': [{'tmst': 3315182821, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AaALgbvozBqmw'}]} |
| 0:12:48.879636 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0268, FOpts: ), FPort: e0, FRMPayload: 01e7, MIC: 3306a9b0) |
| 0:12:48.879636 | LOG | Server <-------------------- DUT |
| 0:12:48.879636 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a57b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 93e5fef0) |
| 0:12:48.879636 | LOG | PULL\_RESP: Protocol version = 02, Token = 1bce, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3316182821, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Ae6XgtZPl/vA='}} |
| 0:12:48.879636 | LOG | Server --------------------> DUT |
| 0:12:48.879636 | LOG | TX\_ACK: 02 1bce 05 aa555a0000240409 |
| 0:12:52.767605 | LOG | PULL\_DATA: 02 ce45 02 aa555a0000240409 |
| 0:12:52.767605 | LOG | PULL\_ACK: 02 ce45 04 |
| 0:12:53.679894 | LOG | PUSH\_ACK: 02 13b1 01 |
| 0:12:53.679894 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13b1, Identifier = 00, JSON = {'rxpk': [{'tmst': 3320025430, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AaQLgoVjtaOec'}]} |
| 0:12:53.679894 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0269, FOpts: ), FPort: e0, FRMPayload: 01e8, MIC: ed68e79c) |
| 0:12:53.679894 | LOG | Server <-------------------- DUT |
| 0:12:53.679894 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a57c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d284567a) |
| 0:12:53.679894 | LOG | PULL\_RESP: Protocol version = 02, Token = adbd, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3321025430, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AfKXgE9KEVno='}} |
| 0:12:53.679894 | LOG | Server --------------------> DUT |
| 0:12:53.679894 | LOG | TX\_ACK: 02 adbd 05 aa555a0000240409 |
| 0:12:58.570226 | LOG | PUSH\_ACK: 02 13b2 01 |
| 0:12:58.570226 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13b2, Identifier = 00, JSON = {'rxpk': [{'tmst': 3324868021, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AagLgJi1rko7c'}]} |
| 0:12:58.570226 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 026a, FOpts: ), FPort: e0, FRMPayload: 01e9, MIC: 6b928edc) |
| 0:12:58.570226 | LOG | Server <-------------------- DUT |
| 0:12:58.570226 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a57d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 37688fe7) |
| 0:12:58.570226 | LOG | PULL\_RESP: Protocol version = 02, Token = fb12, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3325868021, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AfaXgdjdoj+c='}} |
| 0:12:58.570226 | LOG | Server --------------------> DUT |
| 0:12:58.570226 | LOG | TX\_ACK: 02 fb12 05 aa555a0000240409 |
| 0:13:02.871031 | LOG | PULL\_DATA: 02 679e 02 aa555a0000240409 |
| 0:13:02.871031 | LOG | PULL\_ACK: 02 679e 04 |
| 0:13:03.360992 | LOG | PUSH\_ACK: 02 13b3 01 |
| 0:13:03.360992 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13b3, Identifier = 00, JSON = {'rxpk': [{'tmst': 3329710747, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AawLgeods0FUP'}]} |
| 0:13:03.360992 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 026b, FOpts: ), FPort: e0, FRMPayload: 01ea, MIC: 6cd0550f) |
| 0:13:03.360992 | LOG | Server <-------------------- DUT |
| 0:13:03.360992 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a57e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 828b4658) |
| 0:13:03.360992 | LOG | PULL\_RESP: Protocol version = 02, Token = 5b87, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3330710747, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AfqXg34KLRlg='}} |
| 0:13:03.360992 | LOG | Server --------------------> DUT |
| 0:13:03.360992 | LOG | TX\_ACK: 02 5b87 05 aa555a0000240409 |
| 0:13:08.261902 | LOG | PUSH\_ACK: 02 13b4 01 |
| 0:13:08.263938 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13b4, Identifier = 00, JSON = {'rxpk': [{'tmst': 3334553371, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AbALgmIQtZ1ew'}]} |
| 0:13:08.263938 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 026c, FOpts: ), FPort: e0, FRMPayload: 01eb, MIC: 2d6757b0) |
| 0:13:08.263938 | LOG | Server <-------------------- DUT |
| 0:13:08.263938 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a57f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c985d46b) |
| 0:13:08.263938 | LOG | PULL\_RESP: Protocol version = 02, Token = f515, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3335553371, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Af6Xgg8mF1Gs='}} |
| 0:13:08.263938 | LOG | Server --------------------> DUT |
| 0:13:08.263938 | LOG | TX\_ACK: 02 f515 05 aa555a0000240409 |
| 0:13:13.024309 | LOG | PULL\_DATA: 02 9394 02 aa555a0000240409 |
| 0:13:13.024309 | LOG | PULL\_ACK: 02 9394 04 |
| 0:13:13.076286 | LOG | PUSH\_ACK: 02 13b5 01 |
| 0:13:13.078360 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13b5, Identifier = 00, JSON = {'rxpk': [{'tmst': 3339395972, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AbQLgLm4Kejpj'}]} |
| 0:13:13.078360 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 026d, FOpts: ), FPort: e0, FRMPayload: 01ec, MIC: 0a7a3a63) |
| 0:13:13.078360 | LOG | Server <-------------------- DUT |
| 0:13:13.078360 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a580, FOpts: ), FPort: e0, FRMPayload: 03), MIC: cef8fce9) |
| 0:13:13.078360 | LOG | PULL\_RESP: Protocol version = 02, Token = 832d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3340395972, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AgKXgi874/Ok='}} |
| 0:13:13.078360 | LOG | Server --------------------> DUT |
| 0:13:13.078360 | LOG | TX\_ACK: 02 832d 05 aa555a0000240409 |
| 0:13:17.943767 | LOG | PUSH\_ACK: 02 13b6 01 |
| 0:13:17.945785 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13b6, Identifier = 00, JSON = {'rxpk': [{'tmst': 3344279132, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AbgLgrkcQ0k5x'}]} |
| 0:13:17.945785 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 026e, FOpts: ), FPort: e0, FRMPayload: 01ed, MIC: 10d24e71) |
| 0:13:17.945785 | LOG | Server <-------------------- DUT |
| 0:13:17.945785 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a581, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 07f5f156) |
| 0:13:17.945785 | LOG | PULL\_RESP: Protocol version = 02, Token = 2b9b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3345279132, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AgaXgegf18VY='}} |
| 0:13:17.945785 | LOG | Server --------------------> DUT |
| 0:13:17.945785 | LOG | TX\_ACK: 02 2b9b 05 aa555a0000240409 |
| 0:13:22.791398 | LOG | PUSH\_ACK: 02 13b8 01 |
| 0:13:22.793450 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13b8, Identifier = 00, JSON = {'rxpk': [{'tmst': 3349121717, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AbwLged4w2uFt'}]} |
| 0:13:22.793450 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 026f, FOpts: ), FPort: e0, FRMPayload: 01ee, MIC: 30dae16d) |
| 0:13:22.793450 | LOG | Server <-------------------- DUT |
| 0:13:22.793450 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a582, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 450b1288) |
| 0:13:22.793450 | LOG | PULL\_RESP: Protocol version = 02, Token = 3b15, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3350121717, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AgqXg10ULEog='}} |
| 0:13:22.793450 | LOG | Server --------------------> DUT |
| 0:13:22.793450 | LOG | TX\_ACK: 02 3b15 05 aa555a0000240409 |
| 0:13:23.214976 | LOG | PULL\_DATA: 02 e232 02 aa555a0000240409 |
| 0:13:23.214976 | LOG | PULL\_ACK: 02 e232 04 |
| 0:13:27.692575 | LOG | PUSH\_ACK: 02 13b9 01 |
| 0:13:27.692575 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13b9, Identifier = 00, JSON = {'rxpk': [{'tmst': 3353964382, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AcALgXzeZ1H9e'}]} |
| 0:13:27.692575 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0270, FOpts: ), FPort: e0, FRMPayload: 01ef, MIC: 99d47f5e) |
| 0:13:27.692575 | LOG | Server <-------------------- DUT |
| 0:13:27.692575 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a583, FOpts: ), FPort: e0, FRMPayload: 03), MIC: f7e807a8) |
| 0:13:27.692575 | LOG | PULL\_RESP: Protocol version = 02, Token = ade1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3354964382, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Ag6XgYPfoB6g='}} |
| 0:13:27.692575 | LOG | Server --------------------> DUT |
| 0:13:27.692575 | LOG | TX\_ACK: 02 ade1 05 aa555a0000240409 |
| 0:13:32.491891 | LOG | PUSH\_ACK: 02 13ba 01 |
| 0:13:32.493951 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13ba, Identifier = 00, JSON = {'rxpk': [{'tmst': 3358806967, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AcQLgp3fI3ITG'}]} |
| 0:13:32.493951 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0271, FOpts: ), FPort: e0, FRMPayload: 01f0, MIC: c8dc84c6) |
| 0:13:32.493951 | LOG | Server <-------------------- DUT |
| 0:13:32.493951 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a584, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 3f493d1a) |
| 0:13:32.493951 | LOG | PULL\_RESP: Protocol version = 02, Token = 1dc7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3359806967, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AhKXgmj9JPRo='}} |
| 0:13:32.493951 | LOG | Server --------------------> DUT |
| 0:13:32.493951 | LOG | TX\_ACK: 02 1dc7 05 aa555a0000240409 |
| 0:13:33.338060 | LOG | PULL\_DATA: 02 08e7 02 aa555a0000240409 |
| 0:13:33.338060 | LOG | PULL\_ACK: 02 08e7 04 |
| 0:13:37.312023 | LOG | PUSH\_ACK: 02 13bb 01 |
| 0:13:37.312023 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13bb, Identifier = 00, JSON = {'rxpk': [{'tmst': 3363649647, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AcgLgb1CAUIGl'}]} |
| 0:13:37.312023 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0272, FOpts: ), FPort: e0, FRMPayload: 01f1, MIC: 805081a5) |
| 0:13:37.312023 | LOG | Server <-------------------- DUT |
| 0:13:37.312023 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a585, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 0f25190f) |
| 0:13:37.312023 | LOG | PULL\_RESP: Protocol version = 02, Token = 993a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3364649647, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AhaXgWA8lGQ8='}} |
| 0:13:37.312023 | LOG | Server --------------------> DUT |
| 0:13:37.312023 | LOG | TX\_ACK: 02 993a 05 aa555a0000240409 |
| 0:13:42.142777 | LOG | PUSH\_ACK: 02 13bc 01 |
| 0:13:42.144792 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13bc, Identifier = 00, JSON = {'rxpk': [{'tmst': 3368492505, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AcwLgS9AnbTBK'}]} |
| 0:13:42.144792 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0273, FOpts: ), FPort: e0, FRMPayload: 01f2, MIC: 276d304a) |
| 0:13:42.144792 | LOG | Server <-------------------- DUT |
| 0:13:42.144792 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a586, FOpts: ), FPort: e0, FRMPayload: 03), MIC: f27967bd) |
| 0:13:42.144792 | LOG | PULL\_RESP: Protocol version = 02, Token = 1033, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3369492505, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AhqXggvJ5Z70='}} |
| 0:13:42.144792 | LOG | Server --------------------> DUT |
| 0:13:42.144792 | LOG | TX\_ACK: 02 1033 05 aa555a0000240409 |
| 0:13:43.392604 | LOG | PULL\_DATA: 02 145f 02 aa555a0000240409 |
| 0:13:43.392604 | LOG | PULL\_ACK: 02 145f 04 |
| 0:13:47.021230 | LOG | PUSH\_ACK: 02 13bd 01 |
| 0:13:47.021230 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13bd, Identifier = 00, JSON = {'rxpk': [{'tmst': 3373335137, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AdALg0rphGfBz'}]} |
| 0:13:47.021230 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0274, FOpts: ), FPort: e0, FRMPayload: 01f3, MIC: 6119f073) |
| 0:13:47.021230 | LOG | Server <-------------------- DUT |
| 0:13:47.021230 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a587, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 356a29f9) |
| 0:13:47.021230 | LOG | PULL\_RESP: Protocol version = 02, Token = 6235, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3374335137, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Ah6XgrjVqKfk='}} |
| 0:13:47.021230 | LOG | Server --------------------> DUT |
| 0:13:47.021230 | LOG | TX\_ACK: 02 6235 05 aa555a0000240409 |
| 0:13:51.852508 | LOG | PUSH\_ACK: 02 13bf 01 |
| 0:13:51.852508 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13bf, Identifier = 00, JSON = {'rxpk': [{'tmst': 3378177802, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AdQLgLlRV+nOW'}]} |
| 0:13:51.852508 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0275, FOpts: ), FPort: e0, FRMPayload: 01f4, MIC: 55fa7396) |
| 0:13:51.852508 | LOG | Server <-------------------- DUT |
| 0:13:51.852508 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a588, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 38e0f4ef) |
| 0:13:51.852508 | LOG | PULL\_RESP: Protocol version = 02, Token = 3479, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3379177802, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AiKXg4zjg9O8='}} |
| 0:13:51.852508 | LOG | Server --------------------> DUT |
| 0:13:51.852508 | LOG | TX\_ACK: 02 3479 05 aa555a0000240409 |
| 0:13:53.504831 | LOG | PULL\_DATA: 02 7ae8 02 aa555a0000240409 |
| 0:13:53.504831 | LOG | PULL\_ACK: 02 7ae8 04 |
| 0:13:56.752640 | LOG | PUSH\_ACK: 02 13c0 01 |
| 0:13:56.754672 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13c0, Identifier = 00, JSON = {'rxpk': [{'tmst': 3383060962, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AdgLg8cPOIKZn'}]} |
| 0:13:56.754672 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0276, FOpts: ), FPort: e0, FRMPayload: 01f5, MIC: ce20a667) |
| 0:13:56.754672 | LOG | Server <-------------------- DUT |
| 0:13:56.754672 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a589, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 2f173ee0) |
| 0:13:56.754672 | LOG | PULL\_RESP: Protocol version = 02, Token = cac2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3384060962, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AiaXg4S8XPuA='}} |
| 0:13:56.754672 | LOG | Server --------------------> DUT |
| 0:13:56.754672 | LOG | TX\_ACK: 02 cac2 05 aa555a0000240409 |
| 0:14:01.604053 | LOG | PUSH\_ACK: 02 13c1 01 |
| 0:14:01.606096 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13c1, Identifier = 00, JSON = {'rxpk': [{'tmst': 3387903794, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AdwLgTAMtbi1P'}]} |
| 0:14:01.606096 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0277, FOpts: ), FPort: e0, FRMPayload: 01f6, MIC: 2d6e2d4f) |
| 0:14:01.606096 | LOG | Server <-------------------- DUT |
| 0:14:01.606096 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a58a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 9e30cad8) |
| 0:14:01.606096 | LOG | PULL\_RESP: Protocol version = 02, Token = f2a8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3388903794, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AiqXgt54wytg='}} |
| 0:14:01.606096 | LOG | Server --------------------> DUT |
| 0:14:01.606096 | LOG | TX\_ACK: 02 f2a8 05 aa555a0000240409 |
| 0:14:03.694662 | LOG | PULL\_DATA: 02 4c46 02 aa555a0000240409 |
| 0:14:03.694662 | LOG | PULL\_ACK: 02 4c46 04 |
| 0:14:06.388911 | LOG | PUSH\_ACK: 02 13c2 01 |
| 0:14:06.390985 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13c2, Identifier = 00, JSON = {'rxpk': [{'tmst': 3392746474, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AeALgc7YeGWhP'}]} |
| 0:14:06.390985 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0278, FOpts: ), FPort: e0, FRMPayload: 01f7, MIC: 1e19684f) |
| 0:14:06.390985 | LOG | Server <-------------------- DUT |
| 0:14:06.390985 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a58b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: eefded8b) |
| 0:14:06.390985 | LOG | PULL\_RESP: Protocol version = 02, Token = 0b20, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3393746474, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Ai6Xgq+797Ys='}} |
| 0:14:06.390985 | LOG | Server --------------------> DUT |
| 0:14:06.390985 | LOG | TX\_ACK: 02 0b20 05 aa555a0000240409 |
| 0:14:11.239077 | LOG | PUSH\_ACK: 02 13c3 01 |
| 0:14:11.239077 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13c3, Identifier = 00, JSON = {'rxpk': [{'tmst': 3397589082, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AeQLg267R/bPl'}]} |
| 0:14:11.239077 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0279, FOpts: ), FPort: e0, FRMPayload: 01f8, MIC: d1fdb3e5) |
| 0:14:11.239077 | LOG | Server <-------------------- DUT |
| 0:14:11.239077 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a58c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 47353945) |
| 0:14:11.239077 | LOG | PULL\_RESP: Protocol version = 02, Token = a1c3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3398589082, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AjKXg1Uc1OUU='}} |
| 0:14:11.239077 | LOG | Server --------------------> DUT |
| 0:14:11.239077 | LOG | TX\_ACK: 02 a1c3 05 aa555a0000240409 |
| 0:14:13.719719 | LOG | PULL\_DATA: 02 55e4 02 aa555a0000240409 |
| 0:14:13.719719 | LOG | PULL\_ACK: 02 55e4 04 |
| 0:14:16.139621 | LOG | PUSH\_ACK: 02 13c4 01 |
| 0:14:16.139621 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13c4, Identifier = 00, JSON = {'rxpk': [{'tmst': 3402431762, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AegLgmeYIauKr'}]} |
| 0:14:16.139621 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 027a, FOpts: ), FPort: e0, FRMPayload: 01f9, MIC: 086ae2ab) |
| 0:14:16.139621 | LOG | Server <-------------------- DUT |
| 0:14:16.139621 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a58d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b5a57ca6) |
| 0:14:16.139621 | LOG | PULL\_RESP: Protocol version = 02, Token = 1836, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3403431762, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AjaXgqLWlfKY='}} |
| 0:14:16.139621 | LOG | Server --------------------> DUT |
| 0:14:16.139621 | LOG | TX\_ACK: 02 1836 05 aa555a0000240409 |
| 0:14:20.926017 | LOG | PUSH\_ACK: 02 13c6 01 |
| 0:14:20.926017 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13c6, Identifier = 00, JSON = {'rxpk': [{'tmst': 3407274411, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -41, 'size': 15, 'data': 'QO++rd6AewLgkot64yrO'}]} |
| 0:14:20.926017 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 027b, FOpts: ), FPort: e0, FRMPayload: 01fa, MIC: 7ae32ace) |
| 0:14:20.926017 | LOG | Server <-------------------- DUT |
| 0:14:20.926017 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a58e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 9139dcd5) |
| 0:14:20.926017 | LOG | PULL\_RESP: Protocol version = 02, Token = ccb2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3408274411, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AjqXgrJE53NU='}} |
| 0:14:20.926017 | LOG | Server --------------------> DUT |
| 0:14:20.926017 | LOG | TX\_ACK: 02 ccb2 05 aa555a0000240409 |
| 0:14:23.787222 | LOG | PULL\_DATA: 02 f3be 02 aa555a0000240409 |
| 0:14:23.787222 | LOG | PULL\_ACK: 02 f3be 04 |
| 0:14:25.817820 | LOG | PUSH\_ACK: 02 13c7 01 |
| 0:14:25.819844 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13c7, Identifier = 00, JSON = {'rxpk': [{'tmst': 3412117066, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -41, 'size': 15, 'data': 'QO++rd6AfALgDJsF5xkJ'}]} |
| 0:14:25.819844 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 027c, FOpts: ), FPort: e0, FRMPayload: 01fb, MIC: 05e71909) |
| 0:14:25.819844 | LOG | Server <-------------------- DUT |
| 0:14:25.819844 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a58f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 0e3abeec) |
| 0:14:25.819844 | LOG | PULL\_RESP: Protocol version = 02, Token = e89b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3413117066, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Aj6XgMw46vuw='}} |
| 0:14:25.819844 | LOG | Server --------------------> DUT |
| 0:14:25.819844 | LOG | TX\_ACK: 02 e89b 05 aa555a0000240409 |
| 0:14:30.651147 | LOG | PUSH\_ACK: 02 13c8 01 |
| 0:14:30.653207 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13c8, Identifier = 00, JSON = {'rxpk': [{'tmst': 3416959698, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AfQLgxtDG6+oa'}]} |
| 0:14:30.653207 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 027d, FOpts: ), FPort: e0, FRMPayload: 01fc, MIC: c6ebea1a) |
| 0:14:30.653207 | LOG | Server <-------------------- DUT |
| 0:14:30.653207 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a590, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 3bf25c84) |
| 0:14:30.653207 | LOG | PULL\_RESP: Protocol version = 02, Token = aa68, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3417959698, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AkKXg3zvyXIQ='}} |
| 0:14:30.653207 | LOG | Server --------------------> DUT |
| 0:14:30.653207 | LOG | TX\_ACK: 02 aa68 05 aa555a0000240409 |
| 0:14:33.945110 | LOG | PULL\_DATA: 02 e77f 02 aa555a0000240409 |
| 0:14:33.945110 | LOG | PULL\_ACK: 02 e77f 04 |
| 0:14:35.544592 | LOG | PUSH\_ACK: 02 13c9 01 |
| 0:14:35.544592 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13c9, Identifier = 00, JSON = {'rxpk': [{'tmst': 3421842856, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AfgLgJnHGEupu'}]} |
| 0:14:35.547908 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 027e, FOpts: ), FPort: e0, FRMPayload: 01fd, MIC: c612ea6e) |
| 0:14:35.547908 | LOG | Server <-------------------- DUT |
| 0:14:35.547908 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a591, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c1709002) |
| 0:14:35.547908 | LOG | PULL\_RESP: Protocol version = 02, Token = cd57, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3422842856, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AkaXg88FwkAI='}} |
| 0:14:35.547908 | LOG | Server --------------------> DUT |
| 0:14:35.547908 | LOG | TX\_ACK: 02 cd57 05 aa555a0000240409 |
| 0:14:40.367914 | LOG | PUSH\_ACK: 02 13ca 01 |
| 0:14:40.367914 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13ca, Identifier = 00, JSON = {'rxpk': [{'tmst': 3426685515, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AfwLgh69OwJxy'}]} |
| 0:14:40.367914 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 027f, FOpts: ), FPort: e0, FRMPayload: 01fe, MIC: 4ec09c72) |
| 0:14:40.367914 | LOG | Server <-------------------- DUT |
| 0:14:40.367914 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a592, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 861e1c8b) |
| 0:14:40.367914 | LOG | PULL\_RESP: Protocol version = 02, Token = 1da0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3427685515, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AkqXgqYYeHIs='}} |
| 0:14:40.367914 | LOG | Server --------------------> DUT |
| 0:14:40.367914 | LOG | TX\_ACK: 02 1da0 05 aa555a0000240409 |
| 0:14:44.034780 | LOG | PULL\_DATA: 02 6fa5 02 aa555a0000240409 |
| 0:14:44.034780 | LOG | PULL\_ACK: 02 6fa5 04 |
| 0:14:45.234731 | LOG | PUSH\_ACK: 02 13cb 01 |
| 0:14:45.234731 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13cb, Identifier = 00, JSON = {'rxpk': [{'tmst': 3431528138, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -41, 'size': 15, 'data': 'QO++rd6AgALgyAymJVQE'}]} |
| 0:14:45.234731 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0280, FOpts: ), FPort: e0, FRMPayload: 01ff, MIC: a6255404) |
| 0:14:45.234731 | LOG | Server <-------------------- DUT |
| 0:14:45.234731 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a593, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 2d783c91) |
| 0:14:45.234731 | LOG | PULL\_RESP: Protocol version = 02, Token = 6611, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3432528138, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Ak6XgqC14PJE='}} |
| 0:14:45.234731 | LOG | Server --------------------> DUT |
| 0:14:45.234731 | LOG | TX\_ACK: 02 6611 05 aa555a0000240409 |
| 0:14:47.173316 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:14:47.175392 | LOG | Previous uplink Frame type (FType): 001 |
| 0:14:50.034770 | LOG | PUSH\_ACK: 02 13cd 01 |
| 0:14:50.034770 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13cd, Identifier = 00, JSON = {'rxpk': [{'tmst': 3436370740, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AgQLgSTiZZ7mO'}]} |
| 0:14:50.034770 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0281, FOpts: ), FPort: e0, FRMPayload: 0200, MIC: 9967b98e) |
| 0:14:50.034770 | LOG | Server <-------------------- DUT |
| 0:14:50.034770 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a594, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 6b10a4f6) |
| 0:14:50.034770 | LOG | PULL\_RESP: Protocol version = 02, Token = 8979, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3437370740, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AlKXgW2sQpPY='}} |
| 0:14:50.034770 | LOG | Server --------------------> DUT |
| 0:14:50.034770 | LOG | TX\_ACK: 02 8979 05 aa555a0000240409 |
| 0:14:54.166678 | LOG | PULL\_DATA: 02 66a7 02 aa555a0000240409 |
| 0:14:54.166678 | LOG | PULL\_ACK: 02 66a7 04 |
| 0:14:54.923778 | LOG | PUSH\_ACK: 02 13cf 01 |
| 0:14:54.923778 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13cf, Identifier = 00, JSON = {'rxpk': [{'tmst': 3441213435, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -37, 'size': 15, 'data': 'QO++rd6AggLgdiWNSOnb'}]} |
| 0:14:54.923778 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0282, FOpts: ), FPort: e0, FRMPayload: 0201, MIC: 8d48e9db) |
| 0:14:54.923778 | LOG | Server <-------------------- DUT |
| 0:14:54.923778 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a595, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d144bdf3) |
| 0:14:54.923778 | LOG | PULL\_RESP: Protocol version = 02, Token = f0dc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3442213435, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AlaXgTdFEvfM='}} |
| 0:14:54.923778 | LOG | Server --------------------> DUT |
| 0:14:54.923778 | LOG | TX\_ACK: 02 f0dc 05 aa555a0000240409 |
| 0:14:59.728889 | LOG | PUSH\_ACK: 02 13d0 01 |
| 0:14:59.730934 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13d0, Identifier = 00, JSON = {'rxpk': [{'tmst': 3446056268, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -41, 'size': 15, 'data': 'QO++rd6AgwLgPedx3Gjk'}]} |
| 0:14:59.730934 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0283, FOpts: ), FPort: e0, FRMPayload: 0202, MIC: 71dc68e4) |
| 0:14:59.730934 | LOG | Server <-------------------- DUT |
| 0:14:59.730934 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a596, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 45b3fdbf) |
| 0:14:59.730934 | LOG | PULL\_RESP: Protocol version = 02, Token = 340a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3447056268, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AlqXgMEWz/b8='}} |
| 0:14:59.730934 | LOG | Server --------------------> DUT |
| 0:14:59.730934 | LOG | TX\_ACK: 02 340a 05 aa555a0000240409 |
| 0:15:04.221466 | LOG | PULL\_DATA: 02 4674 02 aa555a0000240409 |
| 0:15:04.221466 | LOG | PULL\_ACK: 02 4674 04 |
| 0:15:04.541777 | LOG | PUSH\_ACK: 02 13d1 01 |
| 0:15:04.541777 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13d1, Identifier = 00, JSON = {'rxpk': [{'tmst': 3450898899, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AhALgnqoVnBxn'}]} |
| 0:15:04.541777 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0284, FOpts: ), FPort: e0, FRMPayload: 0203, MIC: 159c1c67) |
| 0:15:04.541777 | LOG | Server <-------------------- DUT |
| 0:15:04.541777 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a597, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e9ca7b05) |
| 0:15:04.541777 | LOG | PULL\_RESP: Protocol version = 02, Token = 50bd, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3451898899, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Al6XgxunKewU='}} |
| 0:15:04.541777 | LOG | Server --------------------> DUT |
| 0:15:04.541777 | LOG | TX\_ACK: 02 50bd 05 aa555a0000240409 |
| 0:15:09.414427 | LOG | PUSH\_ACK: 02 13d2 01 |
| 0:15:09.416510 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13d2, Identifier = 00, JSON = {'rxpk': [{'tmst': 3455741507, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -41, 'size': 15, 'data': 'QO++rd6AhQLglTSw0ewo'}]} |
| 0:15:09.416510 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0285, FOpts: ), FPort: e0, FRMPayload: 0204, MIC: b0d1ec28) |
| 0:15:09.416510 | LOG | Server <-------------------- DUT |
| 0:15:09.416510 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a598, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ae72beb1) |
| 0:15:09.416510 | LOG | PULL\_RESP: Protocol version = 02, Token = 7540, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3456741507, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AmKXgR65yvrE='}} |
| 0:15:09.416510 | LOG | Server --------------------> DUT |
| 0:15:09.416510 | LOG | TX\_ACK: 02 7540 05 aa555a0000240409 |
| 0:15:14.318018 | LOG | PULL\_DATA: 02 35c6 02 aa555a0000240409 |
| 0:15:14.318018 | LOG | PULL\_ACK: 02 35c6 04 |
| 0:15:14.318018 | LOG | PUSH\_ACK: 02 13d3 01 |
| 0:15:14.318018 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13d3, Identifier = 00, JSON = {'rxpk': [{'tmst': 3460624693, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -39, 'size': 15, 'data': 'QO++rd6AhgLg4DYWZdIB'}]} |
| 0:15:14.318018 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0286, FOpts: ), FPort: e0, FRMPayload: 0205, MIC: 1665d201) |
| 0:15:14.318018 | LOG | Server <-------------------- DUT |
| 0:15:14.318018 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a599, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 75479d86) |
| 0:15:14.318018 | LOG | PULL\_RESP: Protocol version = 02, Token = 0974, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3461624693, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AmaXgTnVHnYY='}} |
| 0:15:14.318018 | LOG | Server --------------------> DUT |
| 0:15:14.318018 | LOG | TX\_ACK: 02 0974 05 aa555a0000240409 |
| 0:15:19.147574 | LOG | PUSH\_ACK: 02 13d4 01 |
| 0:15:19.147574 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13d4, Identifier = 00, JSON = {'rxpk': [{'tmst': 3465467518, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AhwLgYZmX26R+'}]} |
| 0:15:19.147574 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0287, FOpts: ), FPort: e0, FRMPayload: 0206, MIC: 97dba47e) |
| 0:15:19.147574 | LOG | Server <-------------------- DUT |
| 0:15:19.147574 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a59a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 6a4f9b07) |
| 0:15:19.147574 | LOG | PULL\_RESP: Protocol version = 02, Token = aeb6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3466467518, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AmqXgAmpPmwc='}} |
| 0:15:19.147574 | LOG | Server --------------------> DUT |
| 0:15:19.147574 | LOG | TX\_ACK: 02 aeb6 05 aa555a0000240409 |
| 0:15:23.999097 | LOG | PUSH\_ACK: 02 13d6 01 |
| 0:15:24.001308 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13d6, Identifier = 00, JSON = {'rxpk': [{'tmst': 3470310077, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -41, 'size': 15, 'data': 'QO++rd6AiALgnIkiPyAt'}]} |
| 0:15:24.001308 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0288, FOpts: ), FPort: e0, FRMPayload: 0207, MIC: 223f202d) |
| 0:15:24.001308 | LOG | Server <-------------------- DUT |
| 0:15:24.001308 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a59b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 4add9171) |
| 0:15:24.001308 | LOG | PULL\_RESP: Protocol version = 02, Token = 2ec8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3471310077, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Am6XgdUrdkXE='}} |
| 0:15:24.001308 | LOG | Server --------------------> DUT |
| 0:15:24.001308 | LOG | TX\_ACK: 02 2ec8 05 aa555a0000240409 |
| 0:15:24.429317 | LOG | PULL\_DATA: 02 8716 02 aa555a0000240409 |
| 0:15:24.429317 | LOG | PULL\_ACK: 02 8716 04 |
| 0:15:27.594193 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:15:27.594193 | LOG | Previous uplink Frame type (FType): 011 |
| 0:15:28.804291 | LOG | PUSH\_ACK: 02 13d8 01 |
| 0:15:28.804291 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13d8, Identifier = 00, JSON = {'rxpk': [{'tmst': 3475152740, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AiQLg1DcNJYHd'}]} |
| 0:15:28.804291 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0289, FOpts: ), FPort: e0, FRMPayload: 0208, MIC: 0d2581dd) |
| 0:15:28.804291 | LOG | Server <-------------------- DUT |
| 0:15:28.804291 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a59c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 627c09f3) |
| 0:15:28.804291 | LOG | PULL\_RESP: Protocol version = 02, Token = 12a0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3476152740, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AnKXgPmJ8CfM='}} |
| 0:15:28.804291 | LOG | Server --------------------> DUT |
| 0:15:28.804291 | LOG | TX\_ACK: 02 12a0 05 aa555a0000240409 |
| 0:15:33.709881 | LOG | PUSH\_ACK: 02 13d9 01 |
| 0:15:33.709881 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13d9, Identifier = 00, JSON = {'rxpk': [{'tmst': 3479995365, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AigLgnC33a5OA'}]} |
| 0:15:33.709881 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 028a, FOpts: ), FPort: e0, FRMPayload: 0209, MIC: f76b9380) |
| 0:15:33.709881 | LOG | Server <-------------------- DUT |
| 0:15:33.709881 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a59d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b2733e6f) |
| 0:15:33.709881 | LOG | PULL\_RESP: Protocol version = 02, Token = 5656, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3480995365, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AnaXgobJzPm8='}} |
| 0:15:33.709881 | LOG | Server --------------------> DUT |
| 0:15:33.709881 | LOG | TX\_ACK: 02 5656 05 aa555a0000240409 |
| 0:15:34.549229 | LOG | PULL\_DATA: 02 633c 02 aa555a0000240409 |
| 0:15:34.549229 | LOG | PULL\_ACK: 02 633c 04 |
| 0:15:38.500858 | LOG | PUSH\_ACK: 02 13da 01 |
| 0:15:38.500858 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13da, Identifier = 00, JSON = {'rxpk': [{'tmst': 3484837980, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -41, 'size': 15, 'data': 'QO++rd6AiwLgs0PRxuHw'}]} |
| 0:15:38.500858 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 028b, FOpts: ), FPort: e0, FRMPayload: 020a, MIC: d1c6e1f0) |
| 0:15:38.500858 | LOG | Server <-------------------- DUT |
| 0:15:38.500858 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a59e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: f9231772) |
| 0:15:38.500858 | LOG | PULL\_RESP: Protocol version = 02, Token = aeea, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3485837980, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AnqXgqPkjF3I='}} |
| 0:15:38.500858 | LOG | Server --------------------> DUT |
| 0:15:38.500858 | LOG | TX\_ACK: 02 aeea 05 aa555a0000240409 |
| 0:15:40.529006 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:15:40.529006 | LOG | Previous uplink Frame type (FType): 011 |
| 0:15:43.328694 | LOG | PUSH\_ACK: 02 13dc 01 |
| 0:15:43.330785 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13dc, Identifier = 00, JSON = {'rxpk': [{'tmst': 3489680566, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AjALgydLuFs/B'}]} |
| 0:15:43.330785 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 028c, FOpts: ), FPort: e0, FRMPayload: 020b, MIC: ee16cfc1) |
| 0:15:43.330785 | LOG | Server <-------------------- DUT |
| 0:15:43.330785 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a59f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 0fe7d927) |
| 0:15:43.330785 | LOG | PULL\_RESP: Protocol version = 02, Token = 302f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3490680566, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4An6XgNA/n2Sc='}} |
| 0:15:43.330785 | LOG | Server --------------------> DUT |
| 0:15:43.330785 | LOG | TX\_ACK: 02 302f 05 aa555a0000240409 |
| 0:15:44.569218 | LOG | PULL\_DATA: 02 66fb 02 aa555a0000240409 |
| 0:15:44.569218 | LOG | PULL\_ACK: 02 66fb 04 |
| 0:15:48.231099 | LOG | PUSH\_ACK: 02 13dd 01 |
| 0:15:48.233188 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13dd, Identifier = 00, JSON = {'rxpk': [{'tmst': 3494523256, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -41, 'size': 15, 'data': 'QO++rd6AjQLgU/c3EX1q'}]} |
| 0:15:48.233188 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 028d, FOpts: ), FPort: e0, FRMPayload: 020c, MIC: 37117d6a) |
| 0:15:48.233188 | LOG | Server <-------------------- DUT |
| 0:15:48.233188 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5a0, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a091b384) |
| 0:15:48.233188 | LOG | PULL\_RESP: Protocol version = 02, Token = 9d4d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3495523256, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AoKXg8KCRs4Q='}} |
| 0:15:48.233188 | LOG | Server --------------------> DUT |
| 0:15:48.233188 | LOG | TX\_ACK: 02 9d4d 05 aa555a0000240409 |
| 0:15:53.084665 | LOG | PUSH\_ACK: 02 13df 01 |
| 0:15:53.086680 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13df, Identifier = 00, JSON = {'rxpk': [{'tmst': 3499406433, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AjgLgJGaeetT1'}]} |
| 0:15:53.086680 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 028e, FOpts: ), FPort: e0, FRMPayload: 020d, MIC: 9e7ad4f5) |
| 0:15:53.086680 | LOG | Server <-------------------- DUT |
| 0:15:53.086680 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5a1, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 81126337) |
| 0:15:53.086680 | LOG | PULL\_RESP: Protocol version = 02, Token = 23c9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3500406433, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AoaXgR4ESYzc='}} |
| 0:15:53.086680 | LOG | Server --------------------> DUT |
| 0:15:53.086680 | LOG | TX\_ACK: 02 23c9 05 aa555a0000240409 |
| 0:15:54.762096 | LOG | PULL\_DATA: 02 750c 02 aa555a0000240409 |
| 0:15:54.762096 | LOG | PULL\_ACK: 02 750c 04 |
| 0:15:57.904648 | LOG | PUSH\_ACK: 02 13e0 01 |
| 0:15:57.904648 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13e0, Identifier = 00, JSON = {'rxpk': [{'tmst': 3504249235, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AjwLgKGYDaZ1y'}]} |
| 0:15:57.904648 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 028f, FOpts: ), FPort: e0, FRMPayload: 020e, MIC: 03699d72) |
| 0:15:57.907981 | LOG | Server <-------------------- DUT |
| 0:15:57.907981 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5a2, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 6cc3988f) |
| 0:15:57.907981 | LOG | PULL\_RESP: Protocol version = 02, Token = 1d34, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3505249235, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AoqXgpGzDmI8='}} |
| 0:15:57.907981 | LOG | Server --------------------> DUT |
| 0:15:57.907981 | LOG | TX\_ACK: 02 1d34 05 aa555a0000240409 |
| 0:16:02.751611 | LOG | PUSH\_ACK: 02 13e1 01 |
| 0:16:02.753843 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13e1, Identifier = 00, JSON = {'rxpk': [{'tmst': 3509091834, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AkALg+tZnGIwG'}]} |
| 0:16:02.753843 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0290, FOpts: ), FPort: e0, FRMPayload: 020f, MIC: 67188c06) |
| 0:16:02.753843 | LOG | Server <-------------------- DUT |
| 0:16:02.753843 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5a3, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e8bafc1b) |
| 0:16:02.753843 | LOG | PULL\_RESP: Protocol version = 02, Token = fca5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3510091834, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Ao6XgyOi6/Bs='}} |
| 0:16:02.753843 | LOG | Server --------------------> DUT |
| 0:16:02.753843 | LOG | TX\_ACK: 02 fca5 05 aa555a0000240409 |
| 0:16:04.822181 | LOG | PULL\_DATA: 02 2668 02 aa555a0000240409 |
| 0:16:04.822181 | LOG | PULL\_ACK: 02 2668 04 |
| 0:16:07.634504 | LOG | PUSH\_ACK: 02 13e2 01 |
| 0:16:07.634504 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13e2, Identifier = 00, JSON = {'rxpk': [{'tmst': 3513934508, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -41, 'size': 15, 'data': 'QO++rd6AkQLg2lGaTV9N'}]} |
| 0:16:07.634504 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0291, FOpts: ), FPort: e0, FRMPayload: 0210, MIC: 9a4d5f4d) |
| 0:16:07.634504 | LOG | Server <-------------------- DUT |
| 0:16:07.634504 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5a4, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 51cb18c7) |
| 0:16:07.634504 | LOG | PULL\_RESP: Protocol version = 02, Token = 82df, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3514934508, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ApKXgolHLGMc='}} |
| 0:16:07.634504 | LOG | Server --------------------> DUT |
| 0:16:07.634504 | LOG | TX\_ACK: 02 82df 05 aa555a0000240409 |
| 0:16:12.495399 | LOG | PUSH\_ACK: 02 13e3 01 |
| 0:16:12.497474 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13e3, Identifier = 00, JSON = {'rxpk': [{'tmst': 3518777186, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AkgLg4smlmNEs'}]} |
| 0:16:12.497474 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0292, FOpts: ), FPort: e0, FRMPayload: 0211, MIC: a598d12c) |
| 0:16:12.497474 | LOG | Server <-------------------- DUT |
| 0:16:12.505564 | LOG | Number of downlinks: 60 |
| 0:16:12.505564 | LOG | Number of errors: 0 |
| 0:16:12.505564 | LOG | Packet Error Rate (%): 0.0 |
| 0:16:12.515545 | LOG | Packet error rate SF8BW125 process tested successfully |
| 0:16:12.515545 | LOG | End Test Step: Test packet error rate for SF10BW500 using RX1 window |
| 0:16:12.515545 | LOG | Partial Verdict: PASS |
| 0:16:12.515545 | LOG | ========================================================= |
| 0:16:12.525549 | LOG | ========================================================= |
| 0:16:12.525549 | LOG | Start Test Step: Test packet error rate for SF9BW500 using RX1 window |
| 0:16:12.525549 | LOG | Send LinkADRReq process starts |
| 0:16:15.026092 | LOG | PULL\_DATA: 02 65d5 02 aa555a0000240409 |
| 0:16:15.026092 | LOG | PULL\_ACK: 02 65d5 04 |
| 0:16:17.288920 | LOG | PUSH\_ACK: 02 13e4 01 |
| 0:16:17.288920 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13e4, Identifier = 00, JSON = {'rxpk': [{'tmst': 3523619794, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AkwLgw7AIidQJ'}]} |
| 0:16:17.288920 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0293, FOpts: ), FPort: e0, FRMPayload: 0211, MIC: 0889d409) |
| 0:16:17.288920 | LOG | Server <-------------------- DUT |
| 0:16:17.288920 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5a5, FOpts: ), FPort: 00, FRMPayload: 0335ff0001), MIC: e7948aa6) |
| 0:16:17.288920 | LOG | PULL\_RESP: Protocol version = 02, Token = bc74, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3524619794, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4ApaUApXDEzH3nlIqm'}} |
| 0:16:17.288920 | LOG | Server --------------------> DUT |
| 0:16:17.295158 | LOG | TX\_ACK: 02 bc74 05 aa555a0000240409 |
| 0:16:22.112951 | LOG | PUSH\_ACK: 02 13e6 01 |
| 0:16:22.112951 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13e6, Identifier = 00, JSON = {'rxpk': [{'tmst': 3528421571, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -45, 'size': 17, 'data': 'QO++rd6ClAIDB+C2lNLaKwE='}]} |
| 0:16:22.112951 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0294, FOpts: 0307), FPort: e0, FRMPayload: 0212, MIC: d2da2b01) |
| 0:16:22.112951 | LOG | Server <-------------------- DUT |
| 0:16:22.112951 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:16:22.112951 | LOG | Command Answer: 0307 |
| 0:16:22.120995 | LOG | MAC command communication completed |
| 0:16:22.120995 | LOG | Send RXParamSetupReq process starts |
| 0:16:25.093607 | LOG | PULL\_DATA: 02 3c11 02 aa555a0000240409 |
| 0:16:25.093607 | LOG | PULL\_ACK: 02 3c11 04 |
| 0:16:26.957429 | LOG | PUSH\_ACK: 02 13e7 01 |
| 0:16:26.957429 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13e7, Identifier = 00, JSON = {'rxpk': [{'tmst': 3533258698, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AlQLghbFgU9zR'}]} |
| 0:16:26.957429 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0295, FOpts: ), FPort: e0, FRMPayload: 0212, MIC: 6053dcd1) |
| 0:16:26.957429 | LOG | Server <-------------------- DUT |
| 0:16:26.957429 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5a6, FOpts: ), FPort: 00, FRMPayload: 052868e28c), MIC: 407bd16b) |
| 0:16:26.957429 | LOG | PULL\_RESP: Protocol version = 02, Token = 596b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3534258698, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4ApqUAV/Nwra1Ae9Fr'}} |
| 0:16:26.957429 | LOG | Server --------------------> DUT |
| 0:16:26.957429 | LOG | TX\_ACK: 02 596b 05 aa555a0000240409 |
| 0:16:31.869880 | LOG | PUSH\_ACK: 02 13e8 01 |
| 0:16:31.869880 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13e8, Identifier = 00, JSON = {'rxpk': [{'tmst': 3538147336, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -46, 'size': 17, 'data': 'QO++rd6ClgIFB+BhaZ0olHc='}]} |
| 0:16:31.869880 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0296, FOpts: 0507), FPort: e0, FRMPayload: 0213, MIC: 9d289477) |
| 0:16:31.869880 | LOG | Server <-------------------- DUT |
| 0:16:31.869880 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:16:31.869880 | LOG | Command Answer: 0507 |
| 0:16:31.879870 | LOG | Send ACK to DUT process starts |
| 0:16:31.879870 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5a7, FOpts: ), FPort: , FRMPayload: ), MIC: 3d2c7f4d) |
| 0:16:31.879870 | LOG | PULL\_RESP: Protocol version = 02, Token = 27b4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3539147336, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4Ap6U9LH9N'}} |
| 0:16:31.879870 | LOG | Server --------------------> DUT |
| 0:16:31.879870 | LOG | Send ACK to DUT tested successfully |
| 0:16:31.889875 | LOG | MAC command communication completed |
| 0:16:31.889875 | LOG | Packet error rate (Unconfirmed) SF7BW125 process starts |
| 0:16:35.167794 | LOG | PULL\_DATA: 02 ea05 02 aa555a0000240409 |
| 0:16:35.167794 | LOG | PULL\_ACK: 02 ea05 04 |
| 0:16:36.677909 | LOG | PUSH\_ACK: 02 13e9 01 |
| 0:16:36.677909 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13e9, Identifier = 00, JSON = {'rxpk': [{'tmst': 3542984729, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AlwLgPjAP/ud7'}]} |
| 0:16:36.677909 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0297, FOpts: ), FPort: e0, FRMPayload: 0214, MIC: 0ffee77b) |
| 0:16:36.677909 | LOG | Server <-------------------- DUT |
| 0:16:36.677909 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5a8, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 7bb96d80) |
| 0:16:36.677909 | LOG | PULL\_RESP: Protocol version = 02, Token = 430e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3543984729, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AqKXgX3u5bYA='}} |
| 0:16:36.677909 | LOG | Server --------------------> DUT |
| 0:16:36.683919 | LOG | TX\_ACK: 02 430e 05 aa555a0000240409 |
| 0:16:41.469971 | LOG | PUSH\_ACK: 02 13ea 01 |
| 0:16:41.469971 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13ea, Identifier = 00, JSON = {'rxpk': [{'tmst': 3547827361, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AmALgRzi6xOff'}]} |
| 0:16:41.469971 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0298, FOpts: ), FPort: e0, FRMPayload: 0215, MIC: bac4e7df) |
| 0:16:41.469971 | LOG | Server <-------------------- DUT |
| 0:16:41.469971 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5a9, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 92c347e0) |
| 0:16:41.469971 | LOG | PULL\_RESP: Protocol version = 02, Token = 1b28, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3548827361, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AqaXgZJLDR+A='}} |
| 0:16:41.469971 | LOG | Server --------------------> DUT |
| 0:16:41.469971 | LOG | TX\_ACK: 02 1b28 05 aa555a0000240409 |
| 0:16:45.356239 | LOG | PULL\_DATA: 02 b1e9 02 aa555a0000240409 |
| 0:16:45.356239 | LOG | PULL\_ACK: 02 b1e9 04 |
| 0:16:46.342232 | LOG | PUSH\_ACK: 02 13eb 01 |
| 0:16:46.344351 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13eb, Identifier = 00, JSON = {'rxpk': [{'tmst': 3552669985, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AmQLgfSPK0kN3'}]} |
| 0:16:46.344351 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0299, FOpts: ), FPort: e0, FRMPayload: 0216, MIC: cad24377) |
| 0:16:46.344351 | LOG | Server <-------------------- DUT |
| 0:16:46.344351 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5aa, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 3df7f773) |
| 0:16:46.344351 | LOG | PULL\_RESP: Protocol version = 02, Token = 4287, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3553669985, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AqqXgGj3393M='}} |
| 0:16:46.344351 | LOG | Server --------------------> DUT |
| 0:16:46.344351 | LOG | TX\_ACK: 02 4287 05 aa555a0000240409 |
| 0:16:51.207382 | LOG | PUSH\_ACK: 02 13ec 01 |
| 0:16:51.207382 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13ec, Identifier = 00, JSON = {'rxpk': [{'tmst': 3557496570, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': -1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': -11.5, 'rssi': -86, 'size': 65, 'data': 'Suuiwc/K6EaIHj+hDU/MpzXQCMDqzg6Fp9+tITTeYpGsyRbYb5nJNsch8T9SL97cON9S9nZMdijgyvG4gW4zkX0='}, {'tmst': 3557512690, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AmgLgBu1xMZNf'}]} |
| 0:16:51.207382 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 029a, FOpts: ), FPort: e0, FRMPayload: 0217, MIC: 7131935f) |
| 0:16:51.207382 | LOG | Server <-------------------- DUT |
| 0:16:51.207382 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5ab, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b4d97080) |
| 0:16:51.207382 | LOG | PULL\_RESP: Protocol version = 02, Token = fc31, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3558512690, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Aq6XglbTZcIA='}} |
| 0:16:51.207382 | LOG | Server --------------------> DUT |
| 0:16:51.207382 | LOG | TX\_ACK: 02 fc31 05 aa555a0000240409 |
| 0:16:55.512741 | LOG | PULL\_DATA: 02 fa49 02 aa555a0000240409 |
| 0:16:55.512741 | LOG | PULL\_ACK: 02 fa49 04 |
| 0:16:56.013273 | LOG | PUSH\_ACK: 02 13ee 01 |
| 0:16:56.013273 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13ee, Identifier = 00, JSON = {'rxpk': [{'tmst': 3562355297, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AmwLg7yoikks8'}]} |
| 0:16:56.013273 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 029b, FOpts: ), FPort: e0, FRMPayload: 0218, MIC: 22924b3c) |
| 0:16:56.013273 | LOG | Server <-------------------- DUT |
| 0:16:56.013273 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5ac, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d8bda354) |
| 0:16:56.013273 | LOG | PULL\_RESP: Protocol version = 02, Token = e0d1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3563355297, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ArKXgfNi9o1Q='}} |
| 0:16:56.013273 | LOG | Server --------------------> DUT |
| 0:16:56.013273 | LOG | TX\_ACK: 02 e0d1 05 aa555a0000240409 |
| 0:17:00.897346 | LOG | PUSH\_ACK: 02 13ef 01 |
| 0:17:00.899370 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13ef, Identifier = 00, JSON = {'rxpk': [{'tmst': 3567197955, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AnALgVCcy6jVp'}]} |
| 0:17:00.899370 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 029c, FOpts: ), FPort: e0, FRMPayload: 0219, MIC: 32ea3569) |
| 0:17:00.899370 | LOG | Server <-------------------- DUT |
| 0:17:00.899370 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5ad, FOpts: ), FPort: e0, FRMPayload: 03), MIC: afa923c7) |
| 0:17:00.899370 | LOG | PULL\_RESP: Protocol version = 02, Token = 585e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3568197955, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AraXgT6+pI8c='}} |
| 0:17:00.899370 | LOG | Server --------------------> DUT |
| 0:17:00.899370 | LOG | TX\_ACK: 02 585e 05 aa555a0000240409 |
| 0:17:05.657360 | LOG | PULL\_DATA: 02 c839 02 aa555a0000240409 |
| 0:17:05.657360 | LOG | PULL\_ACK: 02 c839 04 |
| 0:17:05.717356 | LOG | PUSH\_ACK: 02 13f0 01 |
| 0:17:05.717356 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13f0, Identifier = 00, JSON = {'rxpk': [{'tmst': 3572040660, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AnQLg3fIumIaR'}]} |
| 0:17:05.717356 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 029d, FOpts: ), FPort: e0, FRMPayload: 021a, MIC: 2e988691) |
| 0:17:05.717356 | LOG | Server <-------------------- DUT |
| 0:17:05.717356 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5ae, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 20f4778b) |
| 0:17:05.717356 | LOG | PULL\_RESP: Protocol version = 02, Token = 4484, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3573040660, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ArqXgFSD0d4s='}} |
| 0:17:05.717356 | LOG | Server --------------------> DUT |
| 0:17:05.717356 | LOG | TX\_ACK: 02 4484 05 aa555a0000240409 |
| 0:17:10.565083 | LOG | PUSH\_ACK: 02 13f1 01 |
| 0:17:10.565083 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13f1, Identifier = 00, JSON = {'rxpk': [{'tmst': 3576923834, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AngLghodpwuJC'}]} |
| 0:17:10.565083 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 029e, FOpts: ), FPort: e0, FRMPayload: 021b, MIC: 69c2e242) |
| 0:17:10.565083 | LOG | Server <-------------------- DUT |
| 0:17:10.565083 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5af, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 84acb202) |
| 0:17:10.565083 | LOG | PULL\_RESP: Protocol version = 02, Token = 1448, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3577923834, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Ar6XgEISssgI='}} |
| 0:17:10.565083 | LOG | Server --------------------> DUT |
| 0:17:10.565083 | LOG | TX\_ACK: 02 1448 05 aa555a0000240409 |
| 0:17:15.454469 | LOG | PUSH\_ACK: 02 13f2 01 |
| 0:17:15.454469 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13f2, Identifier = 00, JSON = {'rxpk': [{'tmst': 3581766698, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AnwLg5AFaMpaZ'}]} |
| 0:17:15.454469 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 029f, FOpts: ), FPort: e0, FRMPayload: 021c, MIC: 5a329699) |
| 0:17:15.454469 | LOG | Server <-------------------- DUT |
| 0:17:15.454469 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5b0, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 69018bfa) |
| 0:17:15.454469 | LOG | PULL\_RESP: Protocol version = 02, Token = b475, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3582766698, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AsKXgRmkBi/o='}} |
| 0:17:15.454469 | LOG | Server --------------------> DUT |
| 0:17:15.460501 | LOG | TX\_ACK: 02 b475 05 aa555a0000240409 |
| 0:17:15.688977 | LOG | PULL\_DATA: 02 8d48 02 aa555a0000240409 |
| 0:17:15.688977 | LOG | PULL\_ACK: 02 8d48 04 |
| 0:17:20.314353 | LOG | PUSH\_ACK: 02 13f3 01 |
| 0:17:20.316544 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13f3, Identifier = 00, JSON = {'rxpk': [{'tmst': 3586609386, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AoALg5/qYNsZk'}]} |
| 0:17:20.316544 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02a0, FOpts: ), FPort: e0, FRMPayload: 021d, MIC: 9836c664) |
| 0:17:20.316544 | LOG | Server <-------------------- DUT |
| 0:17:20.316544 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5b1, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 08abc43f) |
| 0:17:20.316544 | LOG | PULL\_RESP: Protocol version = 02, Token = 4987, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3587609386, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AsaXghgirxD8='}} |
| 0:17:20.316544 | LOG | Server --------------------> DUT |
| 0:17:20.316544 | LOG | TX\_ACK: 02 4987 05 aa555a0000240409 |
| 0:17:25.102543 | LOG | PUSH\_ACK: 02 13f5 01 |
| 0:17:25.102543 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13f5, Identifier = 00, JSON = {'rxpk': [{'tmst': 3591452099, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AoQLgH2JNcwZH'}]} |
| 0:17:25.102543 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02a1, FOpts: ), FPort: e0, FRMPayload: 021e, MIC: 4d730647) |
| 0:17:25.102543 | LOG | Server <-------------------- DUT |
| 0:17:25.102543 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5b2, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 5a4103a6) |
| 0:17:25.102543 | LOG | PULL\_RESP: Protocol version = 02, Token = ff89, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3592452099, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AsqXgYVpBA6Y='}} |
| 0:17:25.102543 | LOG | Server --------------------> DUT |
| 0:17:25.102543 | LOG | TX\_ACK: 02 ff89 05 aa555a0000240409 |
| 0:17:25.723380 | LOG | PULL\_DATA: 02 e1ef 02 aa555a0000240409 |
| 0:17:25.723380 | LOG | PULL\_ACK: 02 e1ef 04 |
| 0:17:29.993610 | LOG | PUSH\_ACK: 02 13f6 01 |
| 0:17:29.993610 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13f6, Identifier = 00, JSON = {'rxpk': [{'tmst': 3596294732, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AogLgEANGfZ4y'}]} |
| 0:17:29.993610 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02a2, FOpts: ), FPort: e0, FRMPayload: 021f, MIC: 467d9e32) |
| 0:17:29.993610 | LOG | Server <-------------------- DUT |
| 0:17:29.993610 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5b3, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 02128748) |
| 0:17:29.993610 | LOG | PULL\_RESP: Protocol version = 02, Token = 570a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3597294732, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4As6Xg9QISh0g='}} |
| 0:17:29.993610 | LOG | Server --------------------> DUT |
| 0:17:30.003594 | LOG | TX\_ACK: 02 570a 05 aa555a0000240409 |
| 0:17:34.808197 | LOG | PUSH\_ACK: 02 13f7 01 |
| 0:17:34.808197 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13f7, Identifier = 00, JSON = {'rxpk': [{'tmst': 3601137437, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AowLgdV1ssm1l'}]} |
| 0:17:34.808197 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02a3, FOpts: ), FPort: e0, FRMPayload: 0220, MIC: 6cb26d65) |
| 0:17:34.808197 | LOG | Server <-------------------- DUT |
| 0:17:34.808197 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5b4, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 35df4364) |
| 0:17:34.808197 | LOG | PULL\_RESP: Protocol version = 02, Token = 51d3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3602137437, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AtKXgsjXfQ2Q='}} |
| 0:17:34.808197 | LOG | Server --------------------> DUT |
| 0:17:34.808197 | LOG | TX\_ACK: 02 51d3 05 aa555a0000240409 |
| 0:17:35.854661 | LOG | PULL\_DATA: 02 a590 02 aa555a0000240409 |
| 0:17:35.854661 | LOG | PULL\_ACK: 02 a590 04 |
| 0:17:39.658270 | LOG | PUSH\_ACK: 02 13f8 01 |
| 0:17:39.658270 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13f8, Identifier = 00, JSON = {'rxpk': [{'tmst': 3605980188, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6ApALgXVhcCslB'}]} |
| 0:17:39.658270 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02a4, FOpts: ), FPort: e0, FRMPayload: 0221, MIC: 5c0ac941) |
| 0:17:39.658270 | LOG | Server <-------------------- DUT |
| 0:17:39.658270 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5b5, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a508342a) |
| 0:17:39.658270 | LOG | PULL\_RESP: Protocol version = 02, Token = 4e4c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3606980188, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AtaXgTKUINCo='}} |
| 0:17:39.658270 | LOG | Server --------------------> DUT |
| 0:17:39.658270 | LOG | TX\_ACK: 02 4e4c 05 aa555a0000240409 |
| 0:17:44.486811 | LOG | PUSH\_ACK: 02 13f9 01 |
| 0:17:44.486811 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13f9, Identifier = 00, JSON = {'rxpk': [{'tmst': 3610822900, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ApQLgAMVf8Ul4'}]} |
| 0:17:44.486811 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02a5, FOpts: ), FPort: e0, FRMPayload: 0222, MIC: 5ff14978) |
| 0:17:44.486811 | LOG | Server <-------------------- DUT |
| 0:17:44.486811 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5b6, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 5ef50b39) |
| 0:17:44.496760 | LOG | PULL\_RESP: Protocol version = 02, Token = db94, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3611822900, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AtqXgJ171Czk='}} |
| 0:17:44.496760 | LOG | Server --------------------> DUT |
| 0:17:44.496760 | LOG | TX\_ACK: 02 db94 05 aa555a0000240409 |
| 0:17:45.926748 | LOG | PULL\_DATA: 02 9d39 02 aa555a0000240409 |
| 0:17:45.926748 | LOG | PULL\_ACK: 02 9d39 04 |
| 0:17:49.364786 | LOG | PUSH\_ACK: 02 13fa 01 |
| 0:17:49.364786 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13fa, Identifier = 00, JSON = {'rxpk': [{'tmst': 3615706083, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6ApgLga2qhE/ZH'}]} |
| 0:17:49.364786 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02a6, FOpts: ), FPort: e0, FRMPayload: 0223, MIC: a113f647) |
| 0:17:49.364786 | LOG | Server <-------------------- DUT |
| 0:17:49.364786 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5b7, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 28d112a2) |
| 0:17:49.364786 | LOG | PULL\_RESP: Protocol version = 02, Token = 8964, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3616706083, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4At6Xg7ijREqI='}} |
| 0:17:49.364786 | LOG | Server --------------------> DUT |
| 0:17:49.364786 | LOG | TX\_ACK: 02 8964 05 aa555a0000240409 |
| 0:17:54.241452 | LOG | PUSH\_ACK: 02 13fc 01 |
| 0:17:54.243506 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13fc, Identifier = 00, JSON = {'rxpk': [{'tmst': 3620548803, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6ApwLg8RAdh4lP'}]} |
| 0:17:54.243506 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02a7, FOpts: ), FPort: e0, FRMPayload: 0224, MIC: 1d87894f) |
| 0:17:54.243506 | LOG | Server <-------------------- DUT |
| 0:17:54.243506 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5b8, FOpts: ), FPort: e0, FRMPayload: 03), MIC: f1fac0a0) |
| 0:17:54.243506 | LOG | PULL\_RESP: Protocol version = 02, Token = 513d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3621548803, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AuKXgBfH6wKA='}} |
| 0:17:54.243506 | LOG | Server --------------------> DUT |
| 0:17:54.243506 | LOG | TX\_ACK: 02 513d 05 aa555a0000240409 |
| 0:17:56.086981 | LOG | PULL\_DATA: 02 8bd0 02 aa555a0000240409 |
| 0:17:56.086981 | LOG | PULL\_ACK: 02 8bd0 04 |
| 0:17:59.056722 | LOG | PUSH\_ACK: 02 13fd 01 |
| 0:17:59.056722 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13fd, Identifier = 00, JSON = {'rxpk': [{'tmst': 3625391483, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AqALgxAhGCmEN'}]} |
| 0:17:59.056722 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02a8, FOpts: ), FPort: e0, FRMPayload: 0225, MIC: 460a610d) |
| 0:17:59.056722 | LOG | Server <-------------------- DUT |
| 0:17:59.056722 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5b9, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 26dc8fc3) |
| 0:17:59.056722 | LOG | PULL\_RESP: Protocol version = 02, Token = f44a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3626391483, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AuaXgnSbcj8M='}} |
| 0:17:59.056722 | LOG | Server --------------------> DUT |
| 0:17:59.056722 | LOG | TX\_ACK: 02 f44a 05 aa555a0000240409 |
| 0:18:03.917709 | LOG | PUSH\_ACK: 02 13fe 01 |
| 0:18:03.917709 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13fe, Identifier = 00, JSON = {'rxpk': [{'tmst': 3630234242, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AqQLgM54oBG+7'}]} |
| 0:18:03.917709 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02a9, FOpts: ), FPort: e0, FRMPayload: 0226, MIC: 28046fbb) |
| 0:18:03.917709 | LOG | Server <-------------------- DUT |
| 0:18:03.917709 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5ba, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b3448046) |
| 0:18:03.917709 | LOG | PULL\_RESP: Protocol version = 02, Token = ba68, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3631234242, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AuqXgo7NEgEY='}} |
| 0:18:03.917709 | LOG | Server --------------------> DUT |
| 0:18:03.917709 | LOG | TX\_ACK: 02 ba68 05 aa555a0000240409 |
| 0:18:06.178029 | LOG | PULL\_DATA: 02 4353 02 aa555a0000240409 |
| 0:18:06.178029 | LOG | PULL\_ACK: 02 4353 04 |
| 0:18:08.728306 | LOG | PUSH\_ACK: 02 13ff 01 |
| 0:18:08.728306 | LOG | PUSH\_DATA: Protocol version = 02, Token = 13ff, Identifier = 00, JSON = {'rxpk': [{'tmst': 3635076961, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AqgLgdHEjPJet'}]} |
| 0:18:08.728306 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02aa, FOpts: ), FPort: e0, FRMPayload: 0227, MIC: 233c97ad) |
| 0:18:08.728306 | LOG | Server <-------------------- DUT |
| 0:18:08.728306 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5bb, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 719f8d9a) |
| 0:18:08.728306 | LOG | PULL\_RESP: Protocol version = 02, Token = e109, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3636076961, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Au6Xgb3GfjZo='}} |
| 0:18:08.728306 | LOG | Server --------------------> DUT |
| 0:18:08.728306 | LOG | TX\_ACK: 02 e109 05 aa555a0000240409 |
| 0:18:13.599059 | LOG | PUSH\_ACK: 02 1400 01 |
| 0:18:13.601192 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1400, Identifier = 00, JSON = {'rxpk': [{'tmst': 3639919865, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AqwLgpePHcThw'}]} |
| 0:18:13.601192 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02ab, FOpts: ), FPort: e0, FRMPayload: 0228, MIC: c7713870) |
| 0:18:13.601192 | LOG | Server <-------------------- DUT |
| 0:18:13.601192 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5bc, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 5a2b8fb8) |
| 0:18:13.601192 | LOG | PULL\_RESP: Protocol version = 02, Token = 1d6b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3640919865, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AvKXgRlorj7g='}} |
| 0:18:13.601192 | LOG | Server --------------------> DUT |
| 0:18:13.601192 | LOG | TX\_ACK: 02 1d6b 05 aa555a0000240409 |
| 0:18:16.278922 | LOG | PULL\_DATA: 02 5b49 02 aa555a0000240409 |
| 0:18:16.278922 | LOG | PULL\_ACK: 02 5b49 04 |
| 0:18:18.477380 | LOG | PUSH\_ACK: 02 1401 01 |
| 0:18:18.477380 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1401, Identifier = 00, JSON = {'rxpk': [{'tmst': 3644762544, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6ArALgvwzRpgNp'}]} |
| 0:18:18.477380 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02ac, FOpts: ), FPort: e0, FRMPayload: 0229, MIC: d1a60369) |
| 0:18:18.477380 | LOG | Server <-------------------- DUT |
| 0:18:18.477380 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5bd, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d784d2f9) |
| 0:18:18.477380 | LOG | PULL\_RESP: Protocol version = 02, Token = 7162, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3645762544, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AvaXg9teE0vk='}} |
| 0:18:18.477380 | LOG | Server --------------------> DUT |
| 0:18:18.477380 | LOG | TX\_ACK: 02 7162 05 aa555a0000240409 |
| 0:18:23.248670 | LOG | PUSH\_ACK: 02 1403 01 |
| 0:18:23.250737 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1403, Identifier = 00, JSON = {'rxpk': [{'tmst': 3649605287, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6ArQLgWU+7CY2Q'}]} |
| 0:18:23.250737 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02ad, FOpts: ), FPort: e0, FRMPayload: 022a, MIC: bb098d90) |
| 0:18:23.250737 | LOG | Server <-------------------- DUT |
| 0:18:23.250737 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5be, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 8010c22f) |
| 0:18:23.250737 | LOG | PULL\_RESP: Protocol version = 02, Token = 6d94, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3650605287, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AvqXg5IAQwi8='}} |
| 0:18:23.250737 | LOG | Server --------------------> DUT |
| 0:18:23.250737 | LOG | TX\_ACK: 02 6d94 05 aa555a0000240409 |
| 0:18:26.330617 | LOG | PULL\_DATA: 02 629e 02 aa555a0000240409 |
| 0:18:26.330617 | LOG | PULL\_ACK: 02 629e 04 |
| 0:18:28.211394 | LOG | PUSH\_ACK: 02 1404 01 |
| 0:18:28.211394 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1404, Identifier = 00, JSON = {'rxpk': [{'tmst': 3654488535, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ArgLgRV2DBeY9'}]} |
| 0:18:28.211394 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02ae, FOpts: ), FPort: e0, FRMPayload: 022b, MIC: 8305e63d) |
| 0:18:28.211394 | LOG | Server <-------------------- DUT |
| 0:18:28.211394 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5bf, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 20ba01fd) |
| 0:18:28.211394 | LOG | PULL\_RESP: Protocol version = 02, Token = c96b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3655488535, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Av6XgUyC6Af0='}} |
| 0:18:28.211394 | LOG | Server --------------------> DUT |
| 0:18:28.211394 | LOG | TX\_ACK: 02 c96b 05 aa555a0000240409 |
| 0:18:33.011766 | LOG | PUSH\_ACK: 02 1405 01 |
| 0:18:33.011766 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1405, Identifier = 00, JSON = {'rxpk': [{'tmst': 3659331407, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6ArwLgrmDUMXun'}]} |
| 0:18:33.011766 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02af, FOpts: ), FPort: e0, FRMPayload: 022c, MIC: d4317ba7) |
| 0:18:33.011766 | LOG | Server <-------------------- DUT |
| 0:18:33.011766 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5c0, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a3b46874) |
| 0:18:33.011766 | LOG | PULL\_RESP: Protocol version = 02, Token = 1ab6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3660331407, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AwKXgp6O0aHQ='}} |
| 0:18:33.011766 | LOG | Server --------------------> DUT |
| 0:18:33.011766 | LOG | TX\_ACK: 02 1ab6 05 aa555a0000240409 |
| 0:18:36.502897 | LOG | PULL\_DATA: 02 c27f 02 aa555a0000240409 |
| 0:18:36.502897 | LOG | PULL\_ACK: 02 c27f 04 |
| 0:18:37.891220 | LOG | PUSH\_ACK: 02 1406 01 |
| 0:18:37.891220 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1406, Identifier = 00, JSON = {'rxpk': [{'tmst': 3664174166, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AsALgIh3luQNP'}]} |
| 0:18:37.891220 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02b0, FOpts: ), FPort: e0, FRMPayload: 022d, MIC: e5b9034f) |
| 0:18:37.891220 | LOG | Server <-------------------- DUT |
| 0:18:37.891220 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5c1, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 4a45024d) |
| 0:18:37.891220 | LOG | PULL\_RESP: Protocol version = 02, Token = 68fb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3665174166, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AwaXgH0pFAk0='}} |
| 0:18:37.891220 | LOG | Server --------------------> DUT |
| 0:18:37.891220 | LOG | TX\_ACK: 02 68fb 05 aa555a0000240409 |
| 0:18:42.657657 | LOG | PUSH\_ACK: 02 1407 01 |
| 0:18:42.657657 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1407, Identifier = 00, JSON = {'rxpk': [{'tmst': 3669016885, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AsQLghbyfjvDs'}]} |
| 0:18:42.657657 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02b1, FOpts: ), FPort: e0, FRMPayload: 022e, MIC: 9f8ef0ec) |
| 0:18:42.657657 | LOG | Server <-------------------- DUT |
| 0:18:42.657657 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5c2, FOpts: ), FPort: e0, FRMPayload: 03), MIC: dec5ad0a) |
| 0:18:42.657657 | LOG | PULL\_RESP: Protocol version = 02, Token = d6d6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3670016885, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AwqXgQd7FrQo='}} |
| 0:18:42.657657 | LOG | Server --------------------> DUT |
| 0:18:42.657657 | LOG | TX\_ACK: 02 d6d6 05 aa555a0000240409 |
| 0:18:46.578231 | LOG | PULL\_DATA: 02 b8f1 02 aa555a0000240409 |
| 0:18:46.578231 | LOG | PULL\_ACK: 02 b8f1 04 |
| 0:18:47.538262 | LOG | PUSH\_ACK: 02 1408 01 |
| 0:18:47.538262 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1408, Identifier = 00, JSON = {'rxpk': [{'tmst': 3673859590, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AsgLguGpyqUzs'}]} |
| 0:18:47.538262 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02b2, FOpts: ), FPort: e0, FRMPayload: 022f, MIC: 72a94cec) |
| 0:18:47.538262 | LOG | Server <-------------------- DUT |
| 0:18:47.538262 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5c3, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 6e679422) |
| 0:18:47.538262 | LOG | PULL\_RESP: Protocol version = 02, Token = 4966, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3674859590, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Aw6XgHm5nlCI='}} |
| 0:18:47.538262 | LOG | Server --------------------> DUT |
| 0:18:47.538262 | LOG | TX\_ACK: 02 4966 05 aa555a0000240409 |
| 0:18:47.998239 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:18:47.998239 | LOG | Previous uplink Frame type (FType): 110 |
| 0:18:52.405952 | LOG | PUSH\_ACK: 02 140b 01 |
| 0:18:52.405952 | LOG | PUSH\_DATA: Protocol version = 02, Token = 140b, Identifier = 00, JSON = {'rxpk': [{'tmst': 3678702262, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AswLgSngbZDJR'}]} |
| 0:18:52.405952 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02b3, FOpts: ), FPort: e0, FRMPayload: 0230, MIC: 1b643251) |
| 0:18:52.405952 | LOG | Server <-------------------- DUT |
| 0:18:52.405952 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5c4, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 238f7321) |
| 0:18:52.405952 | LOG | PULL\_RESP: Protocol version = 02, Token = ae25, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3679702262, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AxKXgqCOPcyE='}} |
| 0:18:52.405952 | LOG | Server --------------------> DUT |
| 0:18:52.405952 | LOG | TX\_ACK: 02 ae25 05 aa555a0000240409 |
| 0:18:56.737464 | LOG | PULL\_DATA: 02 0734 02 aa555a0000240409 |
| 0:18:56.737464 | LOG | PULL\_ACK: 02 0734 04 |
| 0:18:57.192513 | LOG | PUSH\_ACK: 02 140c 01 |
| 0:18:57.192513 | LOG | PUSH\_DATA: Protocol version = 02, Token = 140c, Identifier = 00, JSON = {'rxpk': [{'tmst': 3683544934, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AtALgXZTd4ZTP'}]} |
| 0:18:57.192513 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02b4, FOpts: ), FPort: e0, FRMPayload: 0231, MIC: dde194cf) |
| 0:18:57.192513 | LOG | Server <-------------------- DUT |
| 0:18:57.192513 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5c5, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 5bbcd814) |
| 0:18:57.192513 | LOG | PULL\_RESP: Protocol version = 02, Token = 447e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3684544934, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AxaXgMVu82BQ='}} |
| 0:18:57.192513 | LOG | Server --------------------> DUT |
| 0:18:57.192513 | LOG | TX\_ACK: 02 447e 05 aa555a0000240409 |
| 0:19:02.072943 | LOG | PUSH\_ACK: 02 140d 01 |
| 0:19:02.072943 | LOG | PUSH\_DATA: Protocol version = 02, Token = 140d, Identifier = 00, JSON = {'rxpk': [{'tmst': 3688387677, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AtQLgPE0AY/tO'}]} |
| 0:19:02.072943 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02b5, FOpts: ), FPort: e0, FRMPayload: 0232, MIC: 0063fb4e) |
| 0:19:02.072943 | LOG | Server <-------------------- DUT |
| 0:19:02.072943 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5c6, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 01ea7f29) |
| 0:19:02.072943 | LOG | PULL\_RESP: Protocol version = 02, Token = 370f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3689387677, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AxqXg2gHqfyk='}} |
| 0:19:02.072943 | LOG | Server --------------------> DUT |
| 0:19:02.072943 | LOG | TX\_ACK: 02 370f 05 aa555a0000240409 |
| 0:19:06.761222 | LOG | PULL\_DATA: 02 5333 02 aa555a0000240409 |
| 0:19:06.761222 | LOG | PULL\_ACK: 02 5333 04 |
| 0:19:06.911321 | LOG | PUSH\_ACK: 02 140e 01 |
| 0:19:06.911321 | LOG | PUSH\_DATA: Protocol version = 02, Token = 140e, Identifier = 00, JSON = {'rxpk': [{'tmst': 3693270836, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AtgLgKA2GcGH4'}]} |
| 0:19:06.911321 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02b6, FOpts: ), FPort: e0, FRMPayload: 0233, MIC: 867061f8) |
| 0:19:06.911321 | LOG | Server <-------------------- DUT |
| 0:19:06.911321 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5c7, FOpts: ), FPort: e0, FRMPayload: 03), MIC: cd63f7a0) |
| 0:19:06.911321 | LOG | PULL\_RESP: Protocol version = 02, Token = 3916, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3694270836, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Ax6Xg481j96A='}} |
| 0:19:06.911321 | LOG | Server --------------------> DUT |
| 0:19:06.911321 | LOG | TX\_ACK: 02 3916 05 aa555a0000240409 |
| 0:19:11.781922 | LOG | PUSH\_ACK: 02 140f 01 |
| 0:19:11.781922 | LOG | PUSH\_DATA: Protocol version = 02, Token = 140f, Identifier = 00, JSON = {'rxpk': [{'tmst': 3698113725, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AtwLg47r0VQF7'}]} |
| 0:19:11.781922 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02b7, FOpts: ), FPort: e0, FRMPayload: 0234, MIC: f455017b) |
| 0:19:11.781922 | LOG | Server <-------------------- DUT |
| 0:19:11.781922 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5c8, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 82fdff26) |
| 0:19:11.781922 | LOG | PULL\_RESP: Protocol version = 02, Token = 08c1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3699113725, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AyKXgGYL9/yY='}} |
| 0:19:11.781922 | LOG | Server --------------------> DUT |
| 0:19:11.781922 | LOG | TX\_ACK: 02 08c1 05 aa555a0000240409 |
| 0:19:16.642167 | LOG | PUSH\_ACK: 02 1410 01 |
| 0:19:16.642167 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1410, Identifier = 00, JSON = {'rxpk': [{'tmst': 3702956386, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AuALgnrAP/PZH'}]} |
| 0:19:16.642167 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02b8, FOpts: ), FPort: e0, FRMPayload: 0235, MIC: 0ffcf647) |
| 0:19:16.642167 | LOG | Server <-------------------- DUT |
| 0:19:16.642167 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5c9, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c1a594da) |
| 0:19:16.642167 | LOG | PULL\_RESP: Protocol version = 02, Token = 8a5f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3703956386, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AyaXg9MGllNo='}} |
| 0:19:16.642167 | LOG | Server --------------------> DUT |
| 0:19:16.642167 | LOG | TX\_ACK: 02 8a5f 05 aa555a0000240409 |
| 0:19:16.852169 | LOG | PULL\_DATA: 02 4896 02 aa555a0000240409 |
| 0:19:16.852169 | LOG | PULL\_ACK: 02 4896 04 |
| 0:19:20.293174 | LOG | Cannot unpack the message |
| 0:19:21.467363 | LOG | PUSH\_ACK: 02 1412 01 |
| 0:19:21.467363 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1412, Identifier = 00, JSON = {'rxpk': [{'tmst': 3707799084, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AuQLgxLzOlE7c'}]} |
| 0:19:21.467363 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02b9, FOpts: ), FPort: e0, FRMPayload: 0236, MIC: ce944edc) |
| 0:19:21.467363 | LOG | Server <-------------------- DUT |
| 0:19:21.467363 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5ca, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 85620f15) |
| 0:19:21.467363 | LOG | PULL\_RESP: Protocol version = 02, Token = dc70, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3708799084, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AyqXgzoViDxU='}} |
| 0:19:21.467363 | LOG | Server --------------------> DUT |
| 0:19:21.467363 | LOG | TX\_ACK: 02 dc70 05 aa555a0000240409 |
| 0:19:26.305715 | LOG | PUSH\_ACK: 02 1414 01 |
| 0:19:26.307816 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1414, Identifier = 00, JSON = {'rxpk': [{'tmst': 3712641771, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AugLgp5BbPnX/'}]} |
| 0:19:26.307816 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02ba, FOpts: ), FPort: e0, FRMPayload: 0237, MIC: 5b3e75ff) |
| 0:19:26.307816 | LOG | Server <-------------------- DUT |
| 0:19:26.307816 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5cb, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 2037dfa8) |
| 0:19:26.307816 | LOG | PULL\_RESP: Protocol version = 02, Token = 10ef, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3713641771, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Ay6Xg2iA336g='}} |
| 0:19:26.307816 | LOG | Server --------------------> DUT |
| 0:19:26.307816 | LOG | TX\_ACK: 02 10ef 05 aa555a0000240409 |
| 0:19:26.936572 | LOG | PULL\_DATA: 02 f62a 02 aa555a0000240409 |
| 0:19:26.937516 | LOG | PULL\_ACK: 02 f62a 04 |
| 0:19:31.139644 | LOG | PUSH\_ACK: 02 1415 01 |
| 0:19:31.139644 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1415, Identifier = 00, JSON = {'rxpk': [{'tmst': 3717484394, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AuwLgufNqs0yM'}]} |
| 0:19:31.139644 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02bb, FOpts: ), FPort: e0, FRMPayload: 0238, MIC: 6ab34c8c) |
| 0:19:31.139644 | LOG | Server <-------------------- DUT |
| 0:19:31.139644 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5cc, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ae69a5b1) |
| 0:19:31.139644 | LOG | PULL\_RESP: Protocol version = 02, Token = fa17, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3718484394, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AzKXgH65ppbE='}} |
| 0:19:31.139644 | LOG | Server --------------------> DUT |
| 0:19:31.139644 | LOG | TX\_ACK: 02 fa17 05 aa555a0000240409 |
| 0:19:36.033489 | LOG | PUSH\_ACK: 02 1416 01 |
| 0:19:36.033489 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1416, Identifier = 00, JSON = {'rxpk': [{'tmst': 3722327162, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AvALg/MjT9kPd'}]} |
| 0:19:36.033489 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02bc, FOpts: ), FPort: e0, FRMPayload: 0239, MIC: d3f643dd) |
| 0:19:36.033489 | LOG | Server <-------------------- DUT |
| 0:19:36.033489 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5cd, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 043d5106) |
| 0:19:36.033489 | LOG | PULL\_RESP: Protocol version = 02, Token = 487c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3723327162, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AzaXgtwQ9UQY='}} |
| 0:19:36.033489 | LOG | Server --------------------> DUT |
| 0:19:36.033489 | LOG | TX\_ACK: 02 487c 05 aa555a0000240409 |
| 0:19:37.067850 | LOG | PULL\_DATA: 02 07b8 02 aa555a0000240409 |
| 0:19:37.067850 | LOG | PULL\_ACK: 02 07b8 04 |
| 0:19:40.823288 | LOG | PUSH\_ACK: 02 1417 01 |
| 0:19:40.825309 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1417, Identifier = 00, JSON = {'rxpk': [{'tmst': 3727169833, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AvQLgB2LAK49B'}]} |
| 0:19:40.825309 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02bd, FOpts: ), FPort: e0, FRMPayload: 023a, MIC: c02b8f41) |
| 0:19:40.825309 | LOG | Server <-------------------- DUT |
| 0:19:40.825309 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5ce, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 7c610c2a) |
| 0:19:40.825309 | LOG | PULL\_RESP: Protocol version = 02, Token = 0307, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3728169833, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AzqXgoXxhDCo='}} |
| 0:19:40.825309 | LOG | Server --------------------> DUT |
| 0:19:40.825309 | LOG | TX\_ACK: 02 0307 05 aa555a0000240409 |
| 0:19:45.758037 | LOG | PUSH\_ACK: 02 1418 01 |
| 0:19:45.758037 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1418, Identifier = 00, JSON = {'rxpk': [{'tmst': 3732053058, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AvgLgEee4Xz6Q'}]} |
| 0:19:45.758037 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02be, FOpts: ), FPort: e0, FRMPayload: 023b, MIC: b85f3e90) |
| 0:19:45.758037 | LOG | Server <-------------------- DUT |
| 0:19:45.758037 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5cf, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e470ee78) |
| 0:19:45.758037 | LOG | PULL\_RESP: Protocol version = 02, Token = f13b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3733053058, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4Az6XgtORw7ng='}} |
| 0:19:45.758037 | LOG | Server --------------------> DUT |
| 0:19:45.758037 | LOG | TX\_ACK: 02 f13b 05 aa555a0000240409 |
| 0:19:47.206478 | LOG | PULL\_DATA: 02 be8e 02 aa555a0000240409 |
| 0:19:47.206478 | LOG | PULL\_ACK: 02 be8e 04 |
| 0:19:50.567166 | LOG | PUSH\_ACK: 02 1419 01 |
| 0:19:50.567166 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1419, Identifier = 00, JSON = {'rxpk': [{'tmst': 3736895746, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AvwLgPIs8Jpgv'}]} |
| 0:19:50.567166 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02bf, FOpts: ), FPort: e0, FRMPayload: 023c, MIC: 3c26982f) |
| 0:19:50.567166 | LOG | Server <-------------------- DUT |
| 0:19:50.567166 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5d0, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e5a927c7) |
| 0:19:50.567166 | LOG | PULL\_RESP: Protocol version = 02, Token = 60b4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3737895746, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A0KXgwuWpJ8c='}} |
| 0:19:50.567166 | LOG | Server --------------------> DUT |
| 0:19:50.567166 | LOG | TX\_ACK: 02 60b4 05 aa555a0000240409 |
| 0:19:55.402499 | LOG | PUSH\_ACK: 02 141b 01 |
| 0:19:55.404563 | LOG | PUSH\_DATA: Protocol version = 02, Token = 141b, Identifier = 00, JSON = {'rxpk': [{'tmst': 3741738595, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AwALghTGpp4DW'}]} |
| 0:19:55.404563 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02c0, FOpts: ), FPort: e0, FRMPayload: 023d, MIC: a9a780d6) |
| 0:19:55.404563 | LOG | Server <-------------------- DUT |
| 0:19:55.404563 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5d1, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 13e2b4de) |
| 0:19:55.404563 | LOG | PULL\_RESP: Protocol version = 02, Token = e7d2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3742738595, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A0aXgsRPitN4='}} |
| 0:19:55.404563 | LOG | Server --------------------> DUT |
| 0:19:55.404563 | LOG | TX\_ACK: 02 e7d2 05 aa555a0000240409 |
| 0:19:57.262245 | LOG | PULL\_DATA: 02 e53f 02 aa555a0000240409 |
| 0:19:57.262245 | LOG | PULL\_ACK: 02 e53f 04 |
| 0:20:00.276204 | LOG | PUSH\_ACK: 02 141c 01 |
| 0:20:00.278252 | LOG | MIC MISMATCH! |
| 0:20:00.278252 | LOG | PUSH\_DATA: Protocol version = 02, Token = 141c, Identifier = 00, JSON = {'rxpk': [{'tmst': 3746581299, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': -1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 4.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AwQLgUyL26v6Q'}]} |
| 0:20:00.278252 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02c1, FOpts: ), FPort: e0, FRMPayload: 063e, MIC: f6eafe90) |
| 0:20:05.085125 | LOG | PUSH\_ACK: 02 141d 01 |
| 0:20:05.085125 | LOG | PUSH\_DATA: Protocol version = 02, Token = 141d, Identifier = 00, JSON = {'rxpk': [{'tmst': 3751423948, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AwgLgkaVqYYPa'}]} |
| 0:20:05.085125 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02c2, FOpts: ), FPort: e0, FRMPayload: 023e, MIC: 6a6183da) |
| 0:20:05.085125 | LOG | Server <-------------------- DUT |
| 0:20:05.085125 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5d2, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 682c683f) |
| 0:20:05.085125 | LOG | PULL\_RESP: Protocol version = 02, Token = 7475, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3752423948, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A0qXgxWgsaD8='}} |
| 0:20:05.085125 | LOG | Server --------------------> DUT |
| 0:20:05.085125 | LOG | TX\_ACK: 02 7475 05 aa555a0000240409 |
| 0:20:07.345711 | LOG | PULL\_DATA: 02 0562 02 aa555a0000240409 |
| 0:20:07.345711 | LOG | PULL\_ACK: 02 0562 04 |
| 0:20:09.936253 | LOG | PUSH\_ACK: 02 141e 01 |
| 0:20:09.938267 | LOG | PUSH\_DATA: Protocol version = 02, Token = 141e, Identifier = 00, JSON = {'rxpk': [{'tmst': 3756266587, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AwwLgM8Xyceru'}]} |
| 0:20:09.938267 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02c3, FOpts: ), FPort: e0, FRMPayload: 023f, MIC: f271eaee) |
| 0:20:09.938267 | LOG | Server <-------------------- DUT |
| 0:20:09.938267 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5d3, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 405f3365) |
| 0:20:09.938267 | LOG | PULL\_RESP: Protocol version = 02, Token = f3ad, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3757266587, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A06XgckBfM2U='}} |
| 0:20:09.938267 | LOG | Server --------------------> DUT |
| 0:20:09.938267 | LOG | TX\_ACK: 02 f3ad 05 aa555a0000240409 |
| 0:20:14.786107 | LOG | PUSH\_ACK: 02 141f 01 |
| 0:20:14.788131 | LOG | PUSH\_DATA: Protocol version = 02, Token = 141f, Identifier = 00, JSON = {'rxpk': [{'tmst': 3761109284, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AxALgZa5KssuI'}]} |
| 0:20:14.788131 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02c4, FOpts: ), FPort: e0, FRMPayload: 0240, MIC: 4ab2cb88) |
| 0:20:14.788131 | LOG | Server <-------------------- DUT |
| 0:20:14.788131 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5d4, FOpts: ), FPort: e0, FRMPayload: 03), MIC: bf8b443b) |
| 0:20:14.788131 | LOG | PULL\_RESP: Protocol version = 02, Token = 1bf5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3762109284, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A1KXg3r+LRDs='}} |
| 0:20:14.788131 | LOG | Server --------------------> DUT |
| 0:20:14.788131 | LOG | TX\_ACK: 02 1bf5 05 aa555a0000240409 |
| 0:20:17.481968 | LOG | PULL\_DATA: 02 ac5e 02 aa555a0000240409 |
| 0:20:17.481968 | LOG | PULL\_ACK: 02 ac5e 04 |
| 0:20:19.653923 | LOG | PUSH\_ACK: 02 1420 01 |
| 0:20:19.653923 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1420, Identifier = 00, JSON = {'rxpk': [{'tmst': 3765951898, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AxQLgWDYUusI7'}]} |
| 0:20:19.653923 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02c5, FOpts: ), FPort: e0, FRMPayload: 0241, MIC: 14bac23b) |
| 0:20:19.653923 | LOG | Server <-------------------- DUT |
| 0:20:19.653923 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5d5, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 2e850cd3) |
| 0:20:19.653923 | LOG | PULL\_RESP: Protocol version = 02, Token = da06, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3766951898, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A1aXg8y6FDNM='}} |
| 0:20:19.653923 | LOG | Server --------------------> DUT |
| 0:20:19.653923 | LOG | TX\_ACK: 02 da06 05 aa555a0000240409 |
| 0:20:24.532440 | LOG | PUSH\_ACK: 02 1422 01 |
| 0:20:24.532440 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1422, Identifier = 00, JSON = {'rxpk': [{'tmst': 3770835123, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AxgLgQ+u9uihd'}]} |
| 0:20:24.532440 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02c6, FOpts: ), FPort: e0, FRMPayload: 0242, MIC: bdba285d) |
| 0:20:24.532440 | LOG | Server <-------------------- DUT |
| 0:20:24.532440 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5d6, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 96d166b4) |
| 0:20:24.532440 | LOG | PULL\_RESP: Protocol version = 02, Token = 0153, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3771835123, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A1qXgLZbRZrQ='}} |
| 0:20:24.532440 | LOG | Server --------------------> DUT |
| 0:20:24.532440 | LOG | TX\_ACK: 02 0153 05 aa555a0000240409 |
| 0:20:27.598841 | LOG | PULL\_DATA: 02 8784 02 aa555a0000240409 |
| 0:20:27.598841 | LOG | PULL\_ACK: 02 8784 04 |
| 0:20:29.380147 | LOG | PUSH\_ACK: 02 1423 01 |
| 0:20:29.380147 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1423, Identifier = 00, JSON = {'rxpk': [{'tmst': 3775678001, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AxwLg+/ZXzBCV'}]} |
| 0:20:29.380147 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02c7, FOpts: ), FPort: e0, FRMPayload: 0243, MIC: 57cc1095) |
| 0:20:29.380147 | LOG | Server <-------------------- DUT |
| 0:20:29.380147 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5d7, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 73182545) |
| 0:20:29.380147 | LOG | PULL\_RESP: Protocol version = 02, Token = cce5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3776678001, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A16XgBXMYJUU='}} |
| 0:20:29.380147 | LOG | Server --------------------> DUT |
| 0:20:29.380147 | LOG | TX\_ACK: 02 cce5 05 aa555a0000240409 |
| 0:20:34.185952 | LOG | PUSH\_ACK: 02 1424 01 |
| 0:20:34.188001 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1424, Identifier = 00, JSON = {'rxpk': [{'tmst': 3780520624, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AyALgUBRR4ogP'}]} |
| 0:20:34.188001 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02c8, FOpts: ), FPort: e0, FRMPayload: 0244, MIC: 51e2880f) |
| 0:20:34.188001 | LOG | Server <-------------------- DUT |
| 0:20:34.188001 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5d8, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 69784618) |
| 0:20:34.188001 | LOG | PULL\_RESP: Protocol version = 02, Token = fb13, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3781520624, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A2KXgxWl4Rhg='}} |
| 0:20:34.188001 | LOG | Server --------------------> DUT |
| 0:20:34.188001 | LOG | TX\_ACK: 02 fb13 05 aa555a0000240409 |
| 0:20:37.679543 | LOG | PULL\_DATA: 02 9304 02 aa555a0000240409 |
| 0:20:37.679543 | LOG | PULL\_ACK: 02 9304 04 |
| 0:20:39.077824 | LOG | PUSH\_ACK: 02 1425 01 |
| 0:20:39.077824 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1425, Identifier = 00, JSON = {'rxpk': [{'tmst': 3785363311, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AyQLgwAMRjyc9'}]} |
| 0:20:39.077824 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02c9, FOpts: ), FPort: e0, FRMPayload: 0245, MIC: 118f273d) |
| 0:20:39.077824 | LOG | Server <-------------------- DUT |
| 0:20:39.077824 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5d9, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 638fd4ff) |
| 0:20:39.077824 | LOG | PULL\_RESP: Protocol version = 02, Token = c1b7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3786363311, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A2aXg/2OP1P8='}} |
| 0:20:39.077824 | LOG | Server --------------------> DUT |
| 0:20:39.077824 | LOG | TX\_ACK: 02 c1b7 05 aa555a0000240409 |
| 0:20:43.894104 | LOG | PUSH\_ACK: 02 1426 01 |
| 0:20:43.896194 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1426, Identifier = 00, JSON = {'rxpk': [{'tmst': 3790206054, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AygLgaRYMklGU'}]} |
| 0:20:43.896194 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02ca, FOpts: ), FPort: e0, FRMPayload: 0246, MIC: 0c925194) |
| 0:20:43.896194 | LOG | Server <-------------------- DUT |
| 0:20:43.896194 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5da, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 4b706108) |
| 0:20:43.896194 | LOG | PULL\_RESP: Protocol version = 02, Token = 05dd, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3791206054, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A2qXgz0twYQg='}} |
| 0:20:43.896194 | LOG | Server --------------------> DUT |
| 0:20:43.896194 | LOG | TX\_ACK: 02 05dd 05 aa555a0000240409 |
| 0:20:47.771041 | LOG | PULL\_DATA: 02 c382 02 aa555a0000240409 |
| 0:20:47.771041 | LOG | PULL\_ACK: 02 c382 04 |
| 0:20:48.750641 | LOG | PUSH\_ACK: 02 1427 01 |
| 0:20:48.750641 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1427, Identifier = 00, JSON = {'rxpk': [{'tmst': 3795048773, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AywLgfxuwDzKb'}]} |
| 0:20:48.750641 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02cb, FOpts: ), FPort: e0, FRMPayload: 0247, MIC: b00f329b) |
| 0:20:48.750641 | LOG | Server <-------------------- DUT |
| 0:20:48.750641 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5db, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b196ebc6) |
| 0:20:48.750641 | LOG | PULL\_RESP: Protocol version = 02, Token = abd8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3796048773, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A26XgIbGW68Y='}} |
| 0:20:48.750641 | LOG | Server --------------------> DUT |
| 0:20:48.750641 | LOG | TX\_ACK: 02 abd8 05 aa555a0000240409 |
| 0:20:53.601164 | LOG | PUSH\_ACK: 02 1429 01 |
| 0:20:53.603224 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1429, Identifier = 00, JSON = {'rxpk': [{'tmst': 3799891485, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AzALgkV4Q08aj'}]} |
| 0:20:53.603224 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02cc, FOpts: ), FPort: e0, FRMPayload: 0248, MIC: 10d3c6a3) |
| 0:20:53.603224 | LOG | Server <-------------------- DUT |
| 0:20:53.603224 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5dc, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 3049be41) |
| 0:20:53.603224 | LOG | PULL\_RESP: Protocol version = 02, Token = b6d7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3800891485, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A3KXgxDBJvkE='}} |
| 0:20:53.603224 | LOG | Server --------------------> DUT |
| 0:20:53.603224 | LOG | TX\_ACK: 02 b6d7 05 aa555a0000240409 |
| 0:20:57.885911 | LOG | PULL\_DATA: 02 be53 02 aa555a0000240409 |
| 0:20:57.885911 | LOG | PULL\_ACK: 02 be53 04 |
| 0:20:58.436197 | LOG | PUSH\_ACK: 02 142a 01 |
| 0:20:58.436197 | LOG | PUSH\_DATA: Protocol version = 02, Token = 142a, Identifier = 00, JSON = {'rxpk': [{'tmst': 3804734196, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AzQLg4QF5JK5B'}]} |
| 0:20:58.436197 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02cd, FOpts: ), FPort: e0, FRMPayload: 0249, MIC: 7924ae41) |
| 0:20:58.436197 | LOG | Server <-------------------- DUT |
| 0:20:58.436197 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5dd, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c0f6771e) |
| 0:20:58.436197 | LOG | PULL\_RESP: Protocol version = 02, Token = 918c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3805734196, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A3aXg5MD2dx4='}} |
| 0:20:58.436197 | LOG | Server --------------------> DUT |
| 0:20:58.436197 | LOG | TX\_ACK: 02 918c 05 aa555a0000240409 |
| 0:21:03.306657 | LOG | PUSH\_ACK: 02 142b 01 |
| 0:21:03.306657 | LOG | PUSH\_DATA: Protocol version = 02, Token = 142b, Identifier = 00, JSON = {'rxpk': [{'tmst': 3809617444, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AzgLgnCq7XxSq'}]} |
| 0:21:03.306657 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02ce, FOpts: ), FPort: e0, FRMPayload: 024a, MIC: bb5f14aa) |
| 0:21:03.306657 | LOG | Server <-------------------- DUT |
| 0:21:03.306657 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5de, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 61593666) |
| 0:21:03.306657 | LOG | PULL\_RESP: Protocol version = 02, Token = d04d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3810617444, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A3qXgi2FZNmY='}} |
| 0:21:03.306657 | LOG | Server --------------------> DUT |
| 0:21:03.306657 | LOG | TX\_ACK: 02 d04d 05 aa555a0000240409 |
| 0:21:08.018474 | LOG | PULL\_DATA: 02 a5af 02 aa555a0000240409 |
| 0:21:08.018474 | LOG | PULL\_ACK: 02 a5af 04 |
| 0:21:08.148547 | LOG | PUSH\_ACK: 02 142c 01 |
| 0:21:08.148547 | LOG | PUSH\_DATA: Protocol version = 02, Token = 142c, Identifier = 00, JSON = {'rxpk': [{'tmst': 3814460373, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AzwLgHwoVM3+U'}]} |
| 0:21:08.148547 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02cf, FOpts: ), FPort: e0, FRMPayload: 024b, MIC: 15337f94) |
| 0:21:08.148547 | LOG | Server <-------------------- DUT |
| 0:21:08.148547 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5df, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 2f3b2cc8) |
| 0:21:08.148547 | LOG | PULL\_RESP: Protocol version = 02, Token = 8918, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3815460373, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A36XgAC87LMg='}} |
| 0:21:08.148547 | LOG | Server --------------------> DUT |
| 0:21:08.148547 | LOG | TX\_ACK: 02 8918 05 aa555a0000240409 |
| 0:21:12.944300 | LOG | PUSH\_ACK: 02 142d 01 |
| 0:21:12.944300 | LOG | PUSH\_DATA: Protocol version = 02, Token = 142d, Identifier = 00, JSON = {'rxpk': [{'tmst': 3819303037, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -45, 'size': 15, 'data': 'QO++rd6A0ALgFqiJ73mU'}]} |
| 0:21:12.944300 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02d0, FOpts: ), FPort: e0, FRMPayload: 024c, MIC: 89ef7994) |
| 0:21:12.944300 | LOG | Server <-------------------- DUT |
| 0:21:12.944300 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5e0, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b423abf0) |
| 0:21:12.944300 | LOG | PULL\_RESP: Protocol version = 02, Token = 4ec9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3820303037, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A4KXghrQjq/A='}} |
| 0:21:12.944300 | LOG | Server --------------------> DUT |
| 0:21:12.944300 | LOG | TX\_ACK: 02 4ec9 05 aa555a0000240409 |
| 0:21:17.867972 | LOG | PUSH\_ACK: 02 142e 01 |
| 0:21:17.867972 | LOG | PUSH\_DATA: Protocol version = 02, Token = 142e, Identifier = 00, JSON = {'rxpk': [{'tmst': 3824145678, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6A0QLg+Wy8oUsG'}]} |
| 0:21:17.867972 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02d1, FOpts: ), FPort: e0, FRMPayload: 024d, MIC: bca14b06) |
| 0:21:17.867972 | LOG | Server <-------------------- DUT |
| 0:21:17.867972 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5e1, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 2247e58a) |
| 0:21:17.867972 | LOG | PULL\_RESP: Protocol version = 02, Token = b13a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3825145678, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A4aXgDCJH5Yo='}} |
| 0:21:17.867972 | LOG | Server --------------------> DUT |
| 0:21:17.867972 | LOG | TX\_ACK: 02 b13a 05 aa555a0000240409 |
| 0:21:18.087083 | LOG | PULL\_DATA: 02 0555 02 aa555a0000240409 |
| 0:21:18.087083 | LOG | PULL\_ACK: 02 0555 04 |
| 0:21:22.637690 | LOG | PUSH\_ACK: 02 142f 01 |
| 0:21:22.637690 | LOG | PUSH\_DATA: Protocol version = 02, Token = 142f, Identifier = 00, JSON = {'rxpk': [{'tmst': 3828988396, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6A0gLgAaQaUOlJ'}]} |
| 0:21:22.637690 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02d2, FOpts: ), FPort: e0, FRMPayload: 024e, MIC: 1a50e949) |
| 0:21:22.637690 | LOG | Server <-------------------- DUT |
| 0:21:22.637690 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5e2, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 027d2fdf) |
| 0:21:22.637690 | LOG | PULL\_RESP: Protocol version = 02, Token = 0ff3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3829988396, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A4qXgcwJ9L98='}} |
| 0:21:22.637690 | LOG | Server --------------------> DUT |
| 0:21:22.637690 | LOG | TX\_ACK: 02 0ff3 05 aa555a0000240409 |
| 0:21:27.541770 | LOG | PUSH\_ACK: 02 1431 01 |
| 0:21:27.543814 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1431, Identifier = 00, JSON = {'rxpk': [{'tmst': 3833831069, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A0wLgICly8srN'}]} |
| 0:21:27.543814 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02d3, FOpts: ), FPort: e0, FRMPayload: 024f, MIC: 72f2cacd) |
| 0:21:27.543814 | LOG | Server <-------------------- DUT |
| 0:21:27.543814 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5e3, FOpts: ), FPort: e0, FRMPayload: 03), MIC: aacfa189) |
| 0:21:27.543814 | LOG | PULL\_RESP: Protocol version = 02, Token = 6c26, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3834831069, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A46XgTKrPoYk='}} |
| 0:21:27.543814 | LOG | Server --------------------> DUT |
| 0:21:27.543814 | LOG | TX\_ACK: 02 6c26 05 aa555a0000240409 |
| 0:21:28.179845 | LOG | PULL\_DATA: 02 6176 02 aa555a0000240409 |
| 0:21:28.179845 | LOG | PULL\_ACK: 02 6176 04 |
| 0:21:32.382972 | LOG | PUSH\_ACK: 02 1432 01 |
| 0:21:32.382972 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1432, Identifier = 00, JSON = {'rxpk': [{'tmst': 3838673778, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6A1ALgj5QQx7Af'}]} |
| 0:21:32.382972 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02d4, FOpts: ), FPort: e0, FRMPayload: 0250, MIC: 10c7b01f) |
| 0:21:32.382972 | LOG | Server <-------------------- DUT |
| 0:21:32.390962 | LOG | Number of downlinks: 60 |
| 0:21:32.400956 | LOG | Number of errors: 0 |
| 0:21:32.400956 | LOG | Packet Error Rate (%): 0.0 |
| 0:21:32.400956 | LOG | Packet error rate SF7BW125 process tested successfully |
| 0:21:32.400956 | LOG | End Test Step: Test packet error rate for SF9BW500 using RX1 window |
| 0:21:32.400956 | LOG | Partial Verdict: PASS |
| 0:21:32.400956 | LOG | ========================================================= |
| 0:21:32.410989 | LOG | ========================================================= |
| 0:21:32.410989 | LOG | Start Test Step: Test packet error rate for SF8BW500 using RX1 window |
| 0:21:32.410989 | LOG | Send LinkADRReq process starts |
| 0:21:37.186390 | LOG | PUSH\_ACK: 02 1433 01 |
| 0:21:37.188438 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1433, Identifier = 00, JSON = {'rxpk': [{'tmst': 3843516435, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6A1QLguVDwTQ+n'}]} |
| 0:21:37.188438 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02d5, FOpts: ), FPort: e0, FRMPayload: 0250, MIC: f04d0fa7) |
| 0:21:37.188438 | LOG | Server <-------------------- DUT |
| 0:21:37.188438 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5e4, FOpts: ), FPort: 00, FRMPayload: 0335ff0001), MIC: bf38eaa4) |
| 0:21:37.188438 | LOG | PULL\_RESP: Protocol version = 02, Token = 222c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3844516435, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A5KUALJN/5Da/OOqk'}} |
| 0:21:37.188438 | LOG | Server --------------------> DUT |
| 0:21:37.188438 | LOG | TX\_ACK: 02 222c 05 aa555a0000240409 |
| 0:21:38.226734 | LOG | PULL\_DATA: 02 f6ea 02 aa555a0000240409 |
| 0:21:38.226734 | LOG | PULL\_ACK: 02 f6ea 04 |
| 0:21:42.127231 | LOG | PUSH\_ACK: 02 1434 01 |
| 0:21:42.127231 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1434, Identifier = 00, JSON = {'rxpk': [{'tmst': 3848405123, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 17, 'data': 'QO++rd6C1gIDB+CXu/4fKQg='}]} |
| 0:21:42.127231 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 02d6, FOpts: 0307), FPort: e0, FRMPayload: 0251, MIC: fe1f2908) |
| 0:21:42.127231 | LOG | Server <-------------------- DUT |
| 0:21:42.127231 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:21:42.127231 | LOG | Command Answer: 0307 |
| 0:21:42.127231 | LOG | MAC command communication completed |
| 0:21:42.137231 | LOG | Send RXParamSetupReq process starts |
| 0:21:46.957802 | LOG | PUSH\_ACK: 02 1435 01 |
| 0:21:46.957802 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1435, Identifier = 00, JSON = {'rxpk': [{'tmst': 3853242491, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A1wLgZrhFRZ6V'}]} |
| 0:21:46.957802 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02d7, FOpts: ), FPort: e0, FRMPayload: 0251, MIC: 45459e95) |
| 0:21:46.957802 | LOG | Server <-------------------- DUT |
| 0:21:46.957802 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5e5, FOpts: ), FPort: 00, FRMPayload: 051868e28c), MIC: abc3a501) |
| 0:21:46.957802 | LOG | PULL\_RESP: Protocol version = 02, Token = 8b24, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3854242491, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A5aUAgFpDmumrw6UB'}} |
| 0:21:46.957802 | LOG | Server --------------------> DUT |
| 0:21:46.957802 | LOG | TX\_ACK: 02 8b24 05 aa555a0000240409 |
| 0:21:48.392906 | LOG | PULL\_DATA: 02 a2ef 02 aa555a0000240409 |
| 0:21:48.392906 | LOG | PULL\_ACK: 02 a2ef 04 |
| 0:21:51.797717 | LOG | PUSH\_ACK: 02 1436 01 |
| 0:21:51.799773 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1436, Identifier = 00, JSON = {'rxpk': [{'tmst': 3858090675, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -50, 'size': 17, 'data': 'QO++rd6C2AIFB+CkCHzbFGI='}]} |
| 0:21:51.799773 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 02d8, FOpts: 0507), FPort: e0, FRMPayload: 0252, MIC: 7cdb1462) |
| 0:21:51.799773 | LOG | Server <-------------------- DUT |
| 0:21:51.799773 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:21:51.799773 | LOG | Command Answer: 0507 |
| 0:21:51.807817 | LOG | Send ACK to DUT process starts |
| 0:21:51.807817 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5e6, FOpts: ), FPort: , FRMPayload: ), MIC: e9bf3e2b) |
| 0:21:51.807817 | LOG | PULL\_RESP: Protocol version = 02, Token = 6e9d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3859090675, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4A5qXpvz4r'}} |
| 0:21:51.807817 | LOG | Server --------------------> DUT |
| 0:21:51.807817 | LOG | Send ACK to DUT tested successfully |
| 0:21:51.807817 | LOG | MAC command communication completed |
| 0:21:51.817786 | LOG | Packet error rate (Unconfirmed) SF7BW125 process starts |
| 0:21:56.598310 | LOG | PUSH\_ACK: 02 1438 01 |
| 0:21:56.600331 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1438, Identifier = 00, JSON = {'rxpk': [{'tmst': 3862927851, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -53, 'size': 15, 'data': 'QO++rd6A2QLgo4IUkRJC'}]} |
| 0:21:56.600331 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02d9, FOpts: ), FPort: e0, FRMPayload: 0253, MIC: 14911242) |
| 0:21:56.600331 | LOG | Server <-------------------- DUT |
| 0:21:56.600331 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5e7, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 09af7619) |
| 0:21:56.600331 | LOG | PULL\_RESP: Protocol version = 02, Token = 3a41, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3863927851, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A56Xgxwmvdhk='}} |
| 0:21:56.600331 | LOG | Server --------------------> DUT |
| 0:21:56.600331 | LOG | TX\_ACK: 02 3a41 05 aa555a0000240409 |
| 0:21:58.478479 | LOG | PULL\_DATA: 02 1d05 02 aa555a0000240409 |
| 0:21:58.478479 | LOG | PULL\_ACK: 02 1d05 04 |
| 0:22:01.444403 | LOG | PUSH\_ACK: 02 1439 01 |
| 0:22:01.444403 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1439, Identifier = 00, JSON = {'rxpk': [{'tmst': 3867770486, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A2gLgwiE2HeMs'}]} |
| 0:22:01.444403 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02da, FOpts: ), FPort: e0, FRMPayload: 0254, MIC: 361de32c) |
| 0:22:01.444403 | LOG | Server <-------------------- DUT |
| 0:22:01.444403 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5e8, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 40d824ac) |
| 0:22:01.444403 | LOG | PULL\_RESP: Protocol version = 02, Token = e7b1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3868770486, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A6KXg+UDYJKw='}} |
| 0:22:01.444403 | LOG | Server --------------------> DUT |
| 0:22:01.444403 | LOG | TX\_ACK: 02 e7b1 05 aa555a0000240409 |
| 0:22:06.271329 | LOG | PUSH\_ACK: 02 143a 01 |
| 0:22:06.273461 | LOG | PUSH\_DATA: Protocol version = 02, Token = 143a, Identifier = 00, JSON = {'rxpk': [{'tmst': 3872613189, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A2wLgBMKWg+s0'}]} |
| 0:22:06.273461 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02db, FOpts: ), FPort: e0, FRMPayload: 0255, MIC: 9683eb34) |
| 0:22:06.273461 | LOG | Server <-------------------- DUT |
| 0:22:06.273461 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5e9, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a2e06fbc) |
| 0:22:06.273461 | LOG | PULL\_RESP: Protocol version = 02, Token = a5d8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3873613189, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A6aXgQ6Lgb7w='}} |
| 0:22:06.273461 | LOG | Server --------------------> DUT |
| 0:22:06.273461 | LOG | TX\_ACK: 02 a5d8 05 aa555a0000240409 |
| 0:22:08.526969 | LOG | PULL\_DATA: 02 e4b0 02 aa555a0000240409 |
| 0:22:08.526969 | LOG | PULL\_ACK: 02 e4b0 04 |
| 0:22:11.125105 | LOG | PUSH\_ACK: 02 143b 01 |
| 0:22:11.127308 | LOG | PUSH\_DATA: Protocol version = 02, Token = 143b, Identifier = 00, JSON = {'rxpk': [{'tmst': 3877455909, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A3ALgCVn7Azbw'}]} |
| 0:22:11.127308 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02dc, FOpts: ), FPort: e0, FRMPayload: 0256, MIC: fb0336f0) |
| 0:22:11.127308 | LOG | Server <-------------------- DUT |
| 0:22:11.127308 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5ea, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 87d0d804) |
| 0:22:11.127308 | LOG | PULL\_RESP: Protocol version = 02, Token = 2f52, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3878455909, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A6qXgBofQ2AQ='}} |
| 0:22:11.127308 | LOG | Server --------------------> DUT |
| 0:22:11.127308 | LOG | TX\_ACK: 02 2f52 05 aa555a0000240409 |
| 0:22:15.955604 | LOG | PUSH\_ACK: 02 143c 01 |
| 0:22:15.955604 | LOG | PUSH\_DATA: Protocol version = 02, Token = 143c, Identifier = 00, JSON = {'rxpk': [{'tmst': 3882298572, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A3QLgXz9Xhqrv'}]} |
| 0:22:15.955604 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02dd, FOpts: ), FPort: e0, FRMPayload: 0257, MIC: 5786aaef) |
| 0:22:15.955604 | LOG | Server <-------------------- DUT |
| 0:22:15.955604 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5eb, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c91b2b58) |
| 0:22:15.955604 | LOG | PULL\_RESP: Protocol version = 02, Token = 3f45, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3883298572, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A66Xg38kbK1g='}} |
| 0:22:15.955604 | LOG | Server --------------------> DUT |
| 0:22:15.955604 | LOG | TX\_ACK: 02 3f45 05 aa555a0000240409 |
| 0:22:18.645463 | LOG | PULL\_DATA: 02 8318 02 aa555a0000240409 |
| 0:22:18.645463 | LOG | PULL\_ACK: 02 8318 04 |
| 0:22:20.860661 | LOG | PUSH\_ACK: 02 143d 01 |
| 0:22:20.860661 | LOG | PUSH\_DATA: Protocol version = 02, Token = 143d, Identifier = 00, JSON = {'rxpk': [{'tmst': 3887181755, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A3gLgWvdgbtHK'}]} |
| 0:22:20.860661 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02de, FOpts: ), FPort: e0, FRMPayload: 0258, MIC: 606ed1ca) |
| 0:22:20.860661 | LOG | Server <-------------------- DUT |
| 0:22:20.865011 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5ec, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 39be1eef) |
| 0:22:20.865064 | LOG | PULL\_RESP: Protocol version = 02, Token = c4a0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3888181755, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A7KXgsTm+Hu8='}} |
| 0:22:20.865064 | LOG | Server --------------------> DUT |
| 0:22:20.865064 | LOG | TX\_ACK: 02 c4a0 05 aa555a0000240409 |
| 0:22:25.731435 | LOG | PUSH\_ACK: 02 143f 01 |
| 0:22:25.733480 | LOG | PUSH\_DATA: Protocol version = 02, Token = 143f, Identifier = 00, JSON = {'rxpk': [{'tmst': 3892024628, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A3wLgpaLhXAuy'}]} |
| 0:22:25.733480 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02df, FOpts: ), FPort: e0, FRMPayload: 0259, MIC: e15c0bb2) |
| 0:22:25.733480 | LOG | Server <-------------------- DUT |
| 0:22:25.733480 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5ed, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 9b20954b) |
| 0:22:25.733480 | LOG | PULL\_RESP: Protocol version = 02, Token = 2698, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3893024628, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A7aXgLJsglUs='}} |
| 0:22:25.733480 | LOG | Server --------------------> DUT |
| 0:22:25.733480 | LOG | TX\_ACK: 02 2698 05 aa555a0000240409 |
| 0:22:28.831768 | LOG | PULL\_DATA: 02 1ee6 02 aa555a0000240409 |
| 0:22:28.831768 | LOG | PULL\_ACK: 02 1ee6 04 |
| 0:22:30.532623 | LOG | PUSH\_ACK: 02 1440 01 |
| 0:22:30.532623 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1440, Identifier = 00, JSON = {'rxpk': [{'tmst': 3896867389, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -53, 'size': 15, 'data': 'QO++rd6A4ALgURSc9YZC'}]} |
| 0:22:30.532623 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02e0, FOpts: ), FPort: e0, FRMPayload: 025a, MIC: 9cf58642) |
| 0:22:30.532623 | LOG | Server <-------------------- DUT |
| 0:22:30.532623 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5ee, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ab499a20) |
| 0:22:30.532623 | LOG | PULL\_RESP: Protocol version = 02, Token = 68c2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3897867389, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A7qXgxatJmiA='}} |
| 0:22:30.532623 | LOG | Server --------------------> DUT |
| 0:22:30.532623 | LOG | TX\_ACK: 02 68c2 05 aa555a0000240409 |
| 0:22:35.382127 | LOG | PUSH\_ACK: 02 1441 01 |
| 0:22:35.384212 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1441, Identifier = 00, JSON = {'rxpk': [{'tmst': 3901710043, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A4QLggYaA7Wpy'}]} |
| 0:22:35.384212 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02e1, FOpts: ), FPort: e0, FRMPayload: 025b, MIC: 80ed6a72) |
| 0:22:35.384212 | LOG | Server <-------------------- DUT |
| 0:22:35.384212 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5ef, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 0365443d) |
| 0:22:35.384212 | LOG | PULL\_RESP: Protocol version = 02, Token = c3d4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3902710043, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A76XgcQNlRD0='}} |
| 0:22:35.384212 | LOG | Server --------------------> DUT |
| 0:22:35.384212 | LOG | TX\_ACK: 02 c3d4 05 aa555a0000240409 |
| 0:22:38.882959 | LOG | PULL\_DATA: 02 74cd 02 aa555a0000240409 |
| 0:22:38.882959 | LOG | PULL\_ACK: 02 74cd 04 |
| 0:22:40.242964 | LOG | PUSH\_ACK: 02 1442 01 |
| 0:22:40.245051 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1442, Identifier = 00, JSON = {'rxpk': [{'tmst': 3906552803, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A4gLgH9+Op7x8'}]} |
| 0:22:40.245051 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02e2, FOpts: ), FPort: e0, FRMPayload: 025c, MIC: 8ea7bc7c) |
| 0:22:40.245051 | LOG | Server <-------------------- DUT |
| 0:22:40.245051 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5f0, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 1363ae63) |
| 0:22:40.245051 | LOG | PULL\_RESP: Protocol version = 02, Token = a311, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3907552803, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A8KXgtBNjrmM='}} |
| 0:22:40.245051 | LOG | Server --------------------> DUT |
| 0:22:40.245051 | LOG | TX\_ACK: 02 a311 05 aa555a0000240409 |
| 0:22:45.041243 | LOG | PUSH\_ACK: 02 1443 01 |
| 0:22:45.043263 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1443, Identifier = 00, JSON = {'rxpk': [{'tmst': 3911395473, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A4wLgeQc2xLOd'}]} |
| 0:22:45.043263 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02e3, FOpts: ), FPort: e0, FRMPayload: 025d, MIC: 36c4b39d) |
| 0:22:45.043263 | LOG | Server <-------------------- DUT |
| 0:22:45.043263 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5f1, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b896f80e) |
| 0:22:45.043263 | LOG | PULL\_RESP: Protocol version = 02, Token = 8ae2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3912395473, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A8aXgq7iW+A4='}} |
| 0:22:45.043263 | LOG | Server --------------------> DUT |
| 0:22:45.043263 | LOG | TX\_ACK: 02 8ae2 05 aa555a0000240409 |
| 0:22:48.957413 | LOG | PULL\_DATA: 02 a5a4 02 aa555a0000240409 |
| 0:22:48.957413 | LOG | PULL\_ACK: 02 a5a4 04 |
| 0:22:49.903537 | LOG | PUSH\_ACK: 02 1444 01 |
| 0:22:49.905624 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1444, Identifier = 00, JSON = {'rxpk': [{'tmst': 3916238177, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A5ALgbh0IqLyW'}]} |
| 0:22:49.905624 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02e4, FOpts: ), FPort: e0, FRMPayload: 025e, MIC: 08a8bc96) |
| 0:22:49.905624 | LOG | Server <-------------------- DUT |
| 0:22:49.905624 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5f2, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 7613decf) |
| 0:22:49.905624 | LOG | PULL\_RESP: Protocol version = 02, Token = 3218, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3917238177, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A8qXgZnYT3s8='}} |
| 0:22:49.905624 | LOG | Server --------------------> DUT |
| 0:22:49.905624 | LOG | TX\_ACK: 02 3218 05 aa555a0000240409 |
| 0:22:54.749661 | LOG | PUSH\_ACK: 02 1446 01 |
| 0:22:54.751712 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1446, Identifier = 00, JSON = {'rxpk': [{'tmst': 3921080873, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A5QLgIA95VUnD'}]} |
| 0:22:54.751712 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02e5, FOpts: ), FPort: e0, FRMPayload: 025f, MIC: 795549c3) |
| 0:22:54.751712 | LOG | Server <-------------------- DUT |
| 0:22:54.751712 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5f3, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 97cf01c0) |
| 0:22:54.751712 | LOG | PULL\_RESP: Protocol version = 02, Token = 6b71, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3922080873, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A86XgYpfPAcA='}} |
| 0:22:54.751712 | LOG | Server --------------------> DUT |
| 0:22:54.751712 | LOG | TX\_ACK: 02 6b71 05 aa555a0000240409 |
| 0:22:59.055756 | LOG | PULL\_DATA: 02 85f7 02 aa555a0000240409 |
| 0:22:59.055756 | LOG | PULL\_ACK: 02 85f7 04 |
| 0:22:59.607258 | LOG | PUSH\_ACK: 02 1447 01 |
| 0:22:59.607258 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1447, Identifier = 00, JSON = {'rxpk': [{'tmst': 3925964047, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -53, 'size': 15, 'data': 'QO++rd6A5gLg3DOpMI82'}]} |
| 0:22:59.607258 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02e6, FOpts: ), FPort: e0, FRMPayload: 0260, MIC: a9308f36) |
| 0:22:59.607258 | LOG | Server <-------------------- DUT |
| 0:22:59.607258 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5f4, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 2110f1e9) |
| 0:22:59.607258 | LOG | PULL\_RESP: Protocol version = 02, Token = 772c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3926964047, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A9KXgaiEQ8ek='}} |
| 0:22:59.607258 | LOG | Server --------------------> DUT |
| 0:22:59.607258 | LOG | TX\_ACK: 02 772c 05 aa555a0000240409 |
| 0:23:04.475902 | LOG | PUSH\_ACK: 02 1448 01 |
| 0:23:04.477974 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1448, Identifier = 00, JSON = {'rxpk': [{'tmst': 3930806750, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A5wLgi5rTQ0NT'}]} |
| 0:23:04.477974 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02e7, FOpts: ), FPort: e0, FRMPayload: 0261, MIC: d3434353) |
| 0:23:04.477974 | LOG | Server <-------------------- DUT |
| 0:23:04.477974 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5f5, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 8e2ad270) |
| 0:23:04.477974 | LOG | PULL\_RESP: Protocol version = 02, Token = 4f12, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3931806750, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A9aXgmI4q0nA='}} |
| 0:23:04.477974 | LOG | Server --------------------> DUT |
| 0:23:04.477974 | LOG | TX\_ACK: 02 4f12 05 aa555a0000240409 |
| 0:23:09.212946 | LOG | PULL\_DATA: 02 4d7a 02 aa555a0000240409 |
| 0:23:09.212946 | LOG | PULL\_ACK: 02 4d7a 04 |
| 0:23:09.373105 | LOG | PUSH\_ACK: 02 1449 01 |
| 0:23:09.373105 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1449, Identifier = 00, JSON = {'rxpk': [{'tmst': 3935649486, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A6ALg1pLFSfKf'}]} |
| 0:23:09.373105 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02e8, FOpts: ), FPort: e0, FRMPayload: 0262, MIC: c549f29f) |
| 0:23:09.373105 | LOG | Server <-------------------- DUT |
| 0:23:09.373105 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5f6, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 3424635a) |
| 0:23:09.373105 | LOG | PULL\_RESP: Protocol version = 02, Token = fd6e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3936649486, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A9qXgjjQkY1o='}} |
| 0:23:09.373105 | LOG | Server --------------------> DUT |
| 0:23:09.373105 | LOG | TX\_ACK: 02 fd6e 05 aa555a0000240409 |
| 0:23:14.144315 | LOG | PUSH\_ACK: 02 144a 01 |
| 0:23:14.146405 | LOG | PUSH\_DATA: Protocol version = 02, Token = 144a, Identifier = 00, JSON = {'rxpk': [{'tmst': 3940492197, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A6QLgfJFKsqx5'}]} |
| 0:23:14.146405 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02e9, FOpts: ), FPort: e0, FRMPayload: 0263, MIC: 4ab2ac79) |
| 0:23:14.146405 | LOG | Server <-------------------- DUT |
| 0:23:14.146405 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5f7, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ff8ee9d4) |
| 0:23:14.146405 | LOG | PULL\_RESP: Protocol version = 02, Token = 0287, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3941492197, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A96XgKP+O6dQ='}} |
| 0:23:14.146405 | LOG | Server --------------------> DUT |
| 0:23:14.146405 | LOG | TX\_ACK: 02 0287 05 aa555a0000240409 |
| 0:23:19.027557 | LOG | PUSH\_ACK: 02 144b 01 |
| 0:23:19.029606 | LOG | PUSH\_DATA: Protocol version = 02, Token = 144b, Identifier = 00, JSON = {'rxpk': [{'tmst': 3945334909, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6A6gLg2cbV+/Yx'}]} |
| 0:23:19.029606 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02ea, FOpts: ), FPort: e0, FRMPayload: 0264, MIC: d5fbf631) |
| 0:23:19.029606 | LOG | Server <-------------------- DUT |
| 0:23:19.029606 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5f8, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 44ce9caf) |
| 0:23:19.029606 | LOG | PULL\_RESP: Protocol version = 02, Token = 78ba, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3946334909, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A+KXgd0TOnK8='}} |
| 0:23:19.029606 | LOG | Server --------------------> DUT |
| 0:23:19.029606 | LOG | TX\_ACK: 02 78ba 05 aa555a0000240409 |
| 0:23:19.247704 | LOG | PULL\_DATA: 02 d6c8 02 aa555a0000240409 |
| 0:23:19.247704 | LOG | PULL\_ACK: 02 d6c8 04 |
| 0:23:23.861947 | LOG | PUSH\_ACK: 02 144d 01 |
| 0:23:23.863994 | LOG | PUSH\_DATA: Protocol version = 02, Token = 144d, Identifier = 00, JSON = {'rxpk': [{'tmst': 3950177761, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A6wLgSS3neqvy'}]} |
| 0:23:23.863994 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02eb, FOpts: ), FPort: e0, FRMPayload: 0265, MIC: e77aabf2) |
| 0:23:23.863994 | LOG | Server <-------------------- DUT |
| 0:23:23.863994 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5f9, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d6ba4d1c) |
| 0:23:23.863994 | LOG | PULL\_RESP: Protocol version = 02, Token = 818e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3951177761, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A+aXgANa6TRw='}} |
| 0:23:23.863994 | LOG | Server --------------------> DUT |
| 0:23:23.863994 | LOG | TX\_ACK: 02 818e 05 aa555a0000240409 |
| 0:23:28.676533 | LOG | PUSH\_ACK: 02 144e 01 |
| 0:23:28.678641 | LOG | PUSH\_DATA: Protocol version = 02, Token = 144e, Identifier = 00, JSON = {'rxpk': [{'tmst': 3955020520, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A7ALgu/TpHGe6'}]} |
| 0:23:28.678641 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02ec, FOpts: ), FPort: e0, FRMPayload: 0266, MIC: e91c67ba) |
| 0:23:28.678641 | LOG | Server <-------------------- DUT |
| 0:23:28.678641 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5fa, FOpts: ), FPort: e0, FRMPayload: 03), MIC: fc5f7745) |
| 0:23:28.678641 | LOG | PULL\_RESP: Protocol version = 02, Token = 37a9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3956020520, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A+qXg3/xfd0U='}} |
| 0:23:28.678641 | LOG | Server --------------------> DUT |
| 0:23:28.678641 | LOG | TX\_ACK: 02 37a9 05 aa555a0000240409 |
| 0:23:29.306900 | LOG | PULL\_DATA: 02 d14a 02 aa555a0000240409 |
| 0:23:29.306900 | LOG | PULL\_ACK: 02 d14a 04 |
| 0:23:33.567387 | LOG | PUSH\_ACK: 02 144f 01 |
| 0:23:33.569408 | LOG | PUSH\_DATA: Protocol version = 02, Token = 144f, Identifier = 00, JSON = {'rxpk': [{'tmst': 3959863208, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -55, 'size': 15, 'data': 'QO++rd6A7QLgnw3m6Es9'}]} |
| 0:23:33.569408 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02ed, FOpts: ), FPort: e0, FRMPayload: 0267, MIC: e6e84b3d) |
| 0:23:33.569408 | LOG | Server <-------------------- DUT |
| 0:23:33.569408 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5fb, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d130692e) |
| 0:23:33.569408 | LOG | PULL\_RESP: Protocol version = 02, Token = 63fe, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3960863208, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A+6XgSdEwaS4='}} |
| 0:23:33.569408 | LOG | Server --------------------> DUT |
| 0:23:33.569408 | LOG | TX\_ACK: 02 63fe 05 aa555a0000240409 |
| 0:23:38.435877 | LOG | PUSH\_ACK: 02 1450 01 |
| 0:23:38.435877 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1450, Identifier = 00, JSON = {'rxpk': [{'tmst': 3964746383, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -53, 'size': 15, 'data': 'QO++rd6A7gLgZKfGYeUo'}]} |
| 0:23:38.435877 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02ee, FOpts: ), FPort: e0, FRMPayload: 0268, MIC: c661e528) |
| 0:23:38.435877 | LOG | Server <-------------------- DUT |
| 0:23:38.435877 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5fc, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 126c5bda) |
| 0:23:38.435877 | LOG | PULL\_RESP: Protocol version = 02, Token = cd97, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3965746383, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A/KXghhJsW9o='}} |
| 0:23:38.435877 | LOG | Server --------------------> DUT |
| 0:23:38.435877 | LOG | TX\_ACK: 02 cd97 05 aa555a0000240409 |
| 0:23:39.451970 | LOG | PULL\_DATA: 02 9544 02 aa555a0000240409 |
| 0:23:39.451970 | LOG | PULL\_ACK: 02 9544 04 |
| 0:23:43.291260 | LOG | PUSH\_ACK: 02 1451 01 |
| 0:23:43.291260 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1451, Identifier = 00, JSON = {'rxpk': [{'tmst': 3969589254, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A7wLgcRHZpx/F'}]} |
| 0:23:43.291260 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02ef, FOpts: ), FPort: e0, FRMPayload: 0269, MIC: d9a71fc5) |
| 0:23:43.291260 | LOG | Server <-------------------- DUT |
| 0:23:43.291260 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5fd, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d29f494a) |
| 0:23:43.291260 | LOG | PULL\_RESP: Protocol version = 02, Token = a68f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3970589254, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A/aXgStKfSUo='}} |
| 0:23:43.291260 | LOG | Server --------------------> DUT |
| 0:23:43.291260 | LOG | TX\_ACK: 02 a68f 05 aa555a0000240409 |
| 0:23:48.109085 | LOG | PUSH\_ACK: 02 1452 01 |
| 0:23:48.111181 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1452, Identifier = 00, JSON = {'rxpk': [{'tmst': 3974431958, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A8ALglCLj4c8g'}]} |
| 0:23:48.111181 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02f0, FOpts: ), FPort: e0, FRMPayload: 026a, MIC: e3e1cf20) |
| 0:23:48.111181 | LOG | Server <-------------------- DUT |
| 0:23:48.111181 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5fe, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 5837ef13) |
| 0:23:48.111181 | LOG | PULL\_RESP: Protocol version = 02, Token = 1d1f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3975431958, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A/qXgGVg37xM='}} |
| 0:23:48.111181 | LOG | Server --------------------> DUT |
| 0:23:48.111181 | LOG | TX\_ACK: 02 1d1f 05 aa555a0000240409 |
| 0:23:49.562179 | LOG | PULL\_DATA: 02 7557 02 aa555a0000240409 |
| 0:23:49.562179 | LOG | PULL\_ACK: 02 7557 04 |
| 0:23:52.975117 | LOG | PUSH\_ACK: 02 1453 01 |
| 0:23:52.977151 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1453, Identifier = 00, JSON = {'rxpk': [{'tmst': 3979274629, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6A8QLgY3q0TjYM'}]} |
| 0:23:52.977151 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02f1, FOpts: ), FPort: e0, FRMPayload: 026b, MIC: b44e360c) |
| 0:23:52.977151 | LOG | Server <-------------------- DUT |
| 0:23:52.977151 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a5ff, FOpts: ), FPort: e0, FRMPayload: 03), MIC: de9dc013) |
| 0:23:52.977151 | LOG | PULL\_RESP: Protocol version = 02, Token = 9a3b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3980274629, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4A/6XgK96dwBM='}} |
| 0:23:52.977151 | LOG | Server --------------------> DUT |
| 0:23:52.977151 | LOG | TX\_ACK: 02 9a3b 05 aa555a0000240409 |
| 0:23:57.773430 | LOG | PUSH\_ACK: 02 1455 01 |
| 0:23:57.773430 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1455, Identifier = 00, JSON = {'rxpk': [{'tmst': 3984117341, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A8gLgGa7uXXSi'}]} |
| 0:23:57.773430 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02f2, FOpts: ), FPort: e0, FRMPayload: 026c, MIC: ee5d74a2) |
| 0:23:57.773430 | LOG | Server <-------------------- DUT |
| 0:23:57.773430 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a600, FOpts: ), FPort: e0, FRMPayload: 03), MIC: fc009a2d) |
| 0:23:57.773430 | LOG | PULL\_RESP: Protocol version = 02, Token = 7ee4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3985117341, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AAKbg+vwAmi0='}} |
| 0:23:57.773430 | LOG | Server --------------------> DUT |
| 0:23:57.773430 | LOG | TX\_ACK: 02 7ee4 05 aa555a0000240409 |
| 0:23:59.634763 | LOG | PULL\_DATA: 02 c3f5 02 aa555a0000240409 |
| 0:23:59.634763 | LOG | PULL\_ACK: 02 c3f5 04 |
| 0:24:02.632164 | LOG | PUSH\_ACK: 02 1456 01 |
| 0:24:02.634183 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1456, Identifier = 00, JSON = {'rxpk': [{'tmst': 3988959981, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A8wLg8Nc/dD8D'}]} |
| 0:24:02.634183 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02f3, FOpts: ), FPort: e0, FRMPayload: 026d, MIC: 3f743f03) |
| 0:24:02.634183 | LOG | Server <-------------------- DUT |
| 0:24:02.634183 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a601, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 839cacfa) |
| 0:24:02.634183 | LOG | PULL\_RESP: Protocol version = 02, Token = 937d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3989959981, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AAabg4IOcrPo='}} |
| 0:24:02.634183 | LOG | Server --------------------> DUT |
| 0:24:02.634183 | LOG | TX\_ACK: 02 937d 05 aa555a0000240409 |
| 0:24:07.466186 | LOG | PUSH\_ACK: 02 1457 01 |
| 0:24:07.468203 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1457, Identifier = 00, JSON = {'rxpk': [{'tmst': 3993802758, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A9ALg/Nu5ttYb'}]} |
| 0:24:07.468203 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02f4, FOpts: ), FPort: e0, FRMPayload: 026e, MIC: b9b6d61b) |
| 0:24:07.468203 | LOG | Server <-------------------- DUT |
| 0:24:07.468203 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a602, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 1a74a9b0) |
| 0:24:07.468203 | LOG | PULL\_RESP: Protocol version = 02, Token = 9dc9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3994802758, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AAqbgvxp0qbA='}} |
| 0:24:07.468203 | LOG | Server --------------------> DUT |
| 0:24:07.468203 | LOG | TX\_ACK: 02 9dc9 05 aa555a0000240409 |
| 0:24:09.755477 | LOG | PULL\_DATA: 02 e99f 02 aa555a0000240409 |
| 0:24:09.755477 | LOG | PULL\_ACK: 02 e99f 04 |
| 0:24:12.356083 | LOG | PUSH\_ACK: 02 1458 01 |
| 0:24:12.358098 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1458, Identifier = 00, JSON = {'rxpk': [{'tmst': 3998645405, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A9QLgc7AyO4fR'}]} |
| 0:24:12.358098 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02f5, FOpts: ), FPort: e0, FRMPayload: 026f, MIC: 323b87d1) |
| 0:24:12.358098 | LOG | Server <-------------------- DUT |
| 0:24:12.358098 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a603, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 55e02844) |
| 0:24:12.358098 | LOG | PULL\_RESP: Protocol version = 02, Token = a4b7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 3999645405, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AA6bgPlXgKEQ='}} |
| 0:24:12.358098 | LOG | Server --------------------> DUT |
| 0:24:12.358098 | LOG | TX\_ACK: 02 a4b7 05 aa555a0000240409 |
| 0:24:17.232086 | LOG | PUSH\_ACK: 02 1459 01 |
| 0:24:17.234109 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1459, Identifier = 00, JSON = {'rxpk': [{'tmst': 4003528613, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6A9gLg8mmxOidH'}]} |
| 0:24:17.234109 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02f6, FOpts: ), FPort: e0, FRMPayload: 0270, MIC: b13a2747) |
| 0:24:17.234109 | LOG | Server <-------------------- DUT |
| 0:24:17.234109 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a604, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e36e9dd2) |
| 0:24:17.234109 | LOG | PULL\_RESP: Protocol version = 02, Token = c5f5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4004528613, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ABKbgw+NundI='}} |
| 0:24:17.234109 | LOG | Server --------------------> DUT |
| 0:24:17.234109 | LOG | TX\_ACK: 02 c5f5 05 aa555a0000240409 |
| 0:24:19.909088 | LOG | PULL\_DATA: 02 3be1 02 aa555a0000240409 |
| 0:24:19.909088 | LOG | PULL\_ACK: 02 3be1 04 |
| 0:24:22.017746 | LOG | PUSH\_ACK: 02 145a 01 |
| 0:24:22.019788 | LOG | PUSH\_DATA: Protocol version = 02, Token = 145a, Identifier = 00, JSON = {'rxpk': [{'tmst': 4008371507, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A9wLgnMzSct66'}]} |
| 0:24:22.019788 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02f7, FOpts: ), FPort: e0, FRMPayload: 0271, MIC: d272deba) |
| 0:24:22.019788 | LOG | Server <-------------------- DUT |
| 0:24:22.019788 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a605, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 83b178d0) |
| 0:24:22.019788 | LOG | PULL\_RESP: Protocol version = 02, Token = 0eea, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4009371507, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ABabg+YOxeNA='}} |
| 0:24:22.019788 | LOG | Server --------------------> DUT |
| 0:24:22.019788 | LOG | TX\_ACK: 02 0eea 05 aa555a0000240409 |
| 0:24:26.865082 | LOG | PUSH\_ACK: 02 145c 01 |
| 0:24:26.865082 | LOG | PUSH\_DATA: Protocol version = 02, Token = 145c, Identifier = 00, JSON = {'rxpk': [{'tmst': 4013214163, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A+ALg1SveMJ9J'}]} |
| 0:24:26.865082 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02f8, FOpts: ), FPort: e0, FRMPayload: 0272, MIC: de309f49) |
| 0:24:26.865082 | LOG | Server <-------------------- DUT |
| 0:24:26.865082 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a606, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 08c40788) |
| 0:24:26.865082 | LOG | PULL\_RESP: Protocol version = 02, Token = fba8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4014214163, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ABqbgnAjEB4g='}} |
| 0:24:26.865082 | LOG | Server --------------------> DUT |
| 0:24:26.865082 | LOG | TX\_ACK: 02 fba8 05 aa555a0000240409 |
| 0:24:29.942888 | LOG | PULL\_DATA: 02 716b 02 aa555a0000240409 |
| 0:24:29.942888 | LOG | PULL\_ACK: 02 716b 04 |
| 0:24:31.745645 | LOG | PUSH\_ACK: 02 145d 01 |
| 0:24:31.747688 | LOG | PUSH\_DATA: Protocol version = 02, Token = 145d, Identifier = 00, JSON = {'rxpk': [{'tmst': 4018056930, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A+QLgvh23UpKE'}]} |
| 0:24:31.747688 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02f9, FOpts: ), FPort: e0, FRMPayload: 0273, MIC: b7529284) |
| 0:24:31.747688 | LOG | Server <-------------------- DUT |
| 0:24:31.747688 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a607, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 624f28b6) |
| 0:24:31.747688 | LOG | PULL\_RESP: Protocol version = 02, Token = 7c59, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4019056930, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AB6bgg2JPKLY='}} |
| 0:24:31.747688 | LOG | Server --------------------> DUT |
| 0:24:31.747688 | LOG | TX\_ACK: 02 7c59 05 aa555a0000240409 |
| 0:24:36.572013 | LOG | PUSH\_ACK: 02 145e 01 |
| 0:24:36.574134 | LOG | PUSH\_DATA: Protocol version = 02, Token = 145e, Identifier = 00, JSON = {'rxpk': [{'tmst': 4022899611, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A+gLgu30pXcJN'}]} |
| 0:24:36.574134 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02fa, FOpts: ), FPort: e0, FRMPayload: 0274, MIC: 295dc24d) |
| 0:24:36.574134 | LOG | Server <-------------------- DUT |
| 0:24:36.574134 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a608, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 63fd6a31) |
| 0:24:36.574134 | LOG | PULL\_RESP: Protocol version = 02, Token = 1142, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4023899611, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ACKbgXGP9ajE='}} |
| 0:24:36.574134 | LOG | Server --------------------> DUT |
| 0:24:36.574134 | LOG | TX\_ACK: 02 1142 05 aa555a0000240409 |
| 0:24:40.055418 | LOG | PULL\_DATA: 02 f0b9 02 aa555a0000240409 |
| 0:24:40.055418 | LOG | PULL\_ACK: 02 f0b9 04 |
| 0:24:41.465523 | LOG | PUSH\_ACK: 02 145f 01 |
| 0:24:41.465523 | LOG | PUSH\_DATA: Protocol version = 02, Token = 145f, Identifier = 00, JSON = {'rxpk': [{'tmst': 4027742275, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -53, 'size': 15, 'data': 'QO++rd6A+wLgUzx62cGp'}]} |
| 0:24:41.465523 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02fb, FOpts: ), FPort: e0, FRMPayload: 0275, MIC: 7ad9c1a9) |
| 0:24:41.465523 | LOG | Server <-------------------- DUT |
| 0:24:41.465523 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a609, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b629d56b) |
| 0:24:41.465523 | LOG | PULL\_RESP: Protocol version = 02, Token = c85e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4028742275, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ACabgP7Yp1Ws='}} |
| 0:24:41.465523 | LOG | Server --------------------> DUT |
| 0:24:41.465523 | LOG | TX\_ACK: 02 c85e 05 aa555a0000240409 |
| 0:24:46.246496 | LOG | PUSH\_ACK: 02 1460 01 |
| 0:24:46.246496 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1460, Identifier = 00, JSON = {'rxpk': [{'tmst': 4032585001, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A/ALgMZ/H1RlZ'}]} |
| 0:24:46.246496 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02fc, FOpts: ), FPort: e0, FRMPayload: 0276, MIC: c7d51959) |
| 0:24:46.246496 | LOG | Server <-------------------- DUT |
| 0:24:46.246496 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a60a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a547578c) |
| 0:24:46.246496 | LOG | PULL\_RESP: Protocol version = 02, Token = 4886, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4033585001, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ACqbgqqVHV4w='}} |
| 0:24:46.246496 | LOG | Server --------------------> DUT |
| 0:24:46.246496 | LOG | TX\_ACK: 02 4886 05 aa555a0000240409 |
| 0:24:50.131444 | LOG | PULL\_DATA: 02 4324 02 aa555a0000240409 |
| 0:24:50.131444 | LOG | PULL\_ACK: 02 4324 04 |
| 0:24:51.081508 | LOG | PUSH\_ACK: 02 1461 01 |
| 0:24:51.081508 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1461, Identifier = 00, JSON = {'rxpk': [{'tmst': 4037427680, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A/QLgrc41llN8'}]} |
| 0:24:51.081508 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02fd, FOpts: ), FPort: e0, FRMPayload: 0277, MIC: 3596537c) |
| 0:24:51.081508 | LOG | Server <-------------------- DUT |
| 0:24:51.081508 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a60b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 41dd9e9f) |
| 0:24:51.081508 | LOG | PULL\_RESP: Protocol version = 02, Token = 35cf, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4038427680, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AC6bghUHdnp8='}} |
| 0:24:51.081508 | LOG | Server --------------------> DUT |
| 0:24:51.081508 | LOG | TX\_ACK: 02 35cf 05 aa555a0000240409 |
| 0:24:56.007572 | LOG | PUSH\_ACK: 02 1463 01 |
| 0:24:56.009585 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1463, Identifier = 00, JSON = {'rxpk': [{'tmst': 4042310898, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -53, 'size': 15, 'data': 'QO++rd6A/gLgw7BPo5YK'}]} |
| 0:24:56.009585 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02fe, FOpts: ), FPort: e0, FRMPayload: 0278, MIC: 4fa3960a) |
| 0:24:56.009585 | LOG | Server <-------------------- DUT |
| 0:24:56.009585 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a60c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 43270187) |
| 0:24:56.009585 | LOG | PULL\_RESP: Protocol version = 02, Token = 296b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4043310898, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ADKbgxkMnAYc='}} |
| 0:24:56.009585 | LOG | Server --------------------> DUT |
| 0:24:56.009585 | LOG | TX\_ACK: 02 296b 05 aa555a0000240409 |
| 0:25:00.147698 | LOG | PULL\_DATA: 02 7653 02 aa555a0000240409 |
| 0:25:00.147698 | LOG | PULL\_ACK: 02 7653 04 |
| 0:25:00.817734 | LOG | PUSH\_ACK: 02 1464 01 |
| 0:25:00.817734 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1464, Identifier = 00, JSON = {'rxpk': [{'tmst': 4047153595, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A/wLg8IDezDJE'}]} |
| 0:25:00.817734 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 02ff, FOpts: ), FPort: e0, FRMPayload: 0279, MIC: decc3244) |
| 0:25:00.817734 | LOG | Server <-------------------- DUT |
| 0:25:00.817734 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a60d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b26b9caa) |
| 0:25:00.817734 | LOG | PULL\_RESP: Protocol version = 02, Token = 1c51, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4048153595, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ADabg6LJrnKo='}} |
| 0:25:00.817734 | LOG | Server --------------------> DUT |
| 0:25:00.817734 | LOG | TX\_ACK: 02 1c51 05 aa555a0000240409 |
| 0:25:05.640350 | LOG | PUSH\_ACK: 02 1465 01 |
| 0:25:05.642424 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1465, Identifier = 00, JSON = {'rxpk': [{'tmst': 4051996291, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AAAPgeZhDpbDP'}]} |
| 0:25:05.642424 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0300, FOpts: ), FPort: e0, FRMPayload: 027a, MIC: 43a5b0cf) |
| 0:25:05.642424 | LOG | Server <-------------------- DUT |
| 0:25:05.642424 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a60e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e54b52df) |
| 0:25:05.642424 | LOG | PULL\_RESP: Protocol version = 02, Token = 3ab9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4052996291, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ADqbgaOVLUt8='}} |
| 0:25:05.642424 | LOG | Server --------------------> DUT |
| 0:25:05.642424 | LOG | TX\_ACK: 02 3ab9 05 aa555a0000240409 |
| 0:25:10.346951 | LOG | PULL\_DATA: 02 3068 02 aa555a0000240409 |
| 0:25:10.346951 | LOG | PULL\_ACK: 02 3068 04 |
| 0:25:10.535699 | LOG | PUSH\_ACK: 02 1466 01 |
| 0:25:10.535699 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1466, Identifier = 00, JSON = {'rxpk': [{'tmst': 4056838986, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AAQPgAZTMTBJr'}]} |
| 0:25:10.535699 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0301, FOpts: ), FPort: e0, FRMPayload: 027b, MIC: cc4c126b) |
| 0:25:10.535699 | LOG | Server <-------------------- DUT |
| 0:25:10.535699 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a60f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 0d7c17b1) |
| 0:25:10.535699 | LOG | PULL\_RESP: Protocol version = 02, Token = f0da, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4057838986, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AD6bgWg18F7E='}} |
| 0:25:10.535699 | LOG | Server --------------------> DUT |
| 0:25:10.535699 | LOG | TX\_ACK: 02 f0da 05 aa555a0000240409 |
| 0:25:15.375222 | LOG | PUSH\_ACK: 02 1467 01 |
| 0:25:15.375222 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1467, Identifier = 00, JSON = {'rxpk': [{'tmst': 4061681881, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AAgPgVc/LG51e'}]} |
| 0:25:15.375222 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0302, FOpts: ), FPort: e0, FRMPayload: 027c, MIC: cb1b9d5e) |
| 0:25:15.375222 | LOG | Server <-------------------- DUT |
| 0:25:15.375222 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a610, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a6463979) |
| 0:25:15.375222 | LOG | PULL\_RESP: Protocol version = 02, Token = 24fb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4062681881, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AEKbgsqZGOXk='}} |
| 0:25:15.375222 | LOG | Server --------------------> DUT |
| 0:25:15.375222 | LOG | TX\_ACK: 02 24fb 05 aa555a0000240409 |
| 0:25:20.248630 | LOG | PUSH\_ACK: 02 1468 01 |
| 0:25:20.248630 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1468, Identifier = 00, JSON = {'rxpk': [{'tmst': 4066524602, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AAwPgeLlV1G2Q'}]} |
| 0:25:20.248630 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0303, FOpts: ), FPort: e0, FRMPayload: 027d, MIC: 55d46d90) |
| 0:25:20.248630 | LOG | Server <-------------------- DUT |
| 0:25:20.248630 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a611, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 273f5c5e) |
| 0:25:20.248630 | LOG | PULL\_RESP: Protocol version = 02, Token = 55b1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4067524602, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AEabg4Cc/XF4='}} |
| 0:25:20.248630 | LOG | Server --------------------> DUT |
| 0:25:20.248630 | LOG | TX\_ACK: 02 55b1 05 aa555a0000240409 |
| 0:25:20.458666 | LOG | PULL\_DATA: 02 c45a 02 aa555a0000240409 |
| 0:25:20.458666 | LOG | PULL\_ACK: 02 c45a 04 |
| 0:25:25.026685 | LOG | PUSH\_ACK: 02 146a 01 |
| 0:25:25.028747 | LOG | PUSH\_DATA: Protocol version = 02, Token = 146a, Identifier = 00, JSON = {'rxpk': [{'tmst': 4071367312, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ABAPgg5TsELW2'}]} |
| 0:25:25.028747 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0304, FOpts: ), FPort: e0, FRMPayload: 027e, MIC: ec10b5b6) |
| 0:25:25.028747 | LOG | Server <-------------------- DUT |
| 0:25:25.028747 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a612, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 14601752) |
| 0:25:25.028747 | LOG | PULL\_RESP: Protocol version = 02, Token = 0b2f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4072367312, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AEqbg/hRgF1I='}} |
| 0:25:25.028747 | LOG | Server --------------------> DUT |
| 0:25:25.028747 | LOG | TX\_ACK: 02 0b2f 05 aa555a0000240409 |
| 0:25:29.852114 | LOG | PUSH\_ACK: 02 146b 01 |
| 0:25:29.852114 | LOG | PUSH\_DATA: Protocol version = 02, Token = 146b, Identifier = 00, JSON = {'rxpk': [{'tmst': 4076210007, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ABQPg75Yj0z5w'}]} |
| 0:25:29.852114 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0305, FOpts: ), FPort: e0, FRMPayload: 027f, MIC: 23d33e70) |
| 0:25:29.852114 | LOG | Server <-------------------- DUT |
| 0:25:29.852114 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a613, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d660d1b7) |
| 0:25:29.852114 | LOG | PULL\_RESP: Protocol version = 02, Token = 2ca4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4077210007, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AE6bg29Zg0bc='}} |
| 0:25:29.852114 | LOG | Server --------------------> DUT |
| 0:25:29.852114 | LOG | TX\_ACK: 02 2ca4 05 aa555a0000240409 |
| 0:25:30.473526 | LOG | PULL\_DATA: 02 875d 02 aa555a0000240409 |
| 0:25:30.473526 | LOG | PULL\_ACK: 02 875d 04 |
| 0:25:34.796680 | LOG | PUSH\_ACK: 02 146c 01 |
| 0:25:34.796680 | LOG | PUSH\_DATA: Protocol version = 02, Token = 146c, Identifier = 00, JSON = {'rxpk': [{'tmst': 4081093278, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ABgPgdL3VYaKW'}]} |
| 0:25:34.796680 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0306, FOpts: ), FPort: e0, FRMPayload: 0280, MIC: d561a296) |
| 0:25:34.796680 | LOG | Server <-------------------- DUT |
| 0:25:34.796680 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a614, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 4279a91a) |
| 0:25:34.796680 | LOG | PULL\_RESP: Protocol version = 02, Token = 61f9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4082093278, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AFKbgJ0J5qRo='}} |
| 0:25:34.796680 | LOG | Server --------------------> DUT |
| 0:25:34.796680 | LOG | TX\_ACK: 02 61f9 05 aa555a0000240409 |
| 0:25:39.665393 | LOG | PUSH\_ACK: 02 146d 01 |
| 0:25:39.665393 | LOG | PUSH\_DATA: Protocol version = 02, Token = 146d, Identifier = 00, JSON = {'rxpk': [{'tmst': 4085936167, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ABwPg0QsX92yx'}]} |
| 0:25:39.665393 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0307, FOpts: ), FPort: e0, FRMPayload: 0281, MIC: 17f76cb1) |
| 0:25:39.665393 | LOG | Server <-------------------- DUT |
| 0:25:39.665393 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a615, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e062d29b) |
| 0:25:39.665393 | LOG | PULL\_RESP: Protocol version = 02, Token = ec22, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4086936167, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AFabg2eBi0ps='}} |
| 0:25:39.665393 | LOG | Server --------------------> DUT |
| 0:25:39.665393 | LOG | TX\_ACK: 02 ec22 05 aa555a0000240409 |
| 0:25:40.495431 | LOG | PULL\_DATA: 02 3845 02 aa555a0000240409 |
| 0:25:40.495431 | LOG | PULL\_ACK: 02 3845 04 |
| 0:25:44.443743 | LOG | PUSH\_ACK: 02 146e 01 |
| 0:25:44.445795 | LOG | PUSH\_DATA: Protocol version = 02, Token = 146e, Identifier = 00, JSON = {'rxpk': [{'tmst': 4090778919, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ACAPguA/+CGvV'}]} |
| 0:25:44.445795 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0308, FOpts: ), FPort: e0, FRMPayload: 0282, MIC: fe086bd5) |
| 0:25:44.445795 | LOG | Server <-------------------- DUT |
| 0:25:44.445795 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a616, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ce73b005) |
| 0:25:44.445795 | LOG | PULL\_RESP: Protocol version = 02, Token = 82a6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4091778919, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AFqbgN85zsAU='}} |
| 0:25:44.445795 | LOG | Server --------------------> DUT |
| 0:25:44.445795 | LOG | TX\_ACK: 02 82a6 05 aa555a0000240409 |
| 0:25:49.318145 | LOG | PUSH\_ACK: 02 146f 01 |
| 0:25:49.320239 | LOG | PUSH\_DATA: Protocol version = 02, Token = 146f, Identifier = 00, JSON = {'rxpk': [{'tmst': 4095621614, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ACQPgICTAbU5H'}]} |
| 0:25:49.320239 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0309, FOpts: ), FPort: e0, FRMPayload: 0283, MIC: c06d4e47) |
| 0:25:49.320239 | LOG | Server <-------------------- DUT |
| 0:25:49.320239 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a617, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 7d83f799) |
| 0:25:49.320239 | LOG | PULL\_RESP: Protocol version = 02, Token = 26fb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4096621614, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AF6bgrX2D95k='}} |
| 0:25:49.320239 | LOG | Server --------------------> DUT |
| 0:25:49.320239 | LOG | TX\_ACK: 02 26fb 05 aa555a0000240409 |
| 0:25:50.558677 | LOG | PULL\_DATA: 02 3745 02 aa555a0000240409 |
| 0:25:50.558677 | LOG | PULL\_ACK: 02 3745 04 |
| 0:25:54.118704 | LOG | PUSH\_ACK: 02 1470 01 |
| 0:25:54.118704 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1470, Identifier = 00, JSON = {'rxpk': [{'tmst': 4100464285, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ACgPgKriWl3bN'}]} |
| 0:25:54.118704 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 030a, FOpts: ), FPort: e0, FRMPayload: 0284, MIC: 969776cd) |
| 0:25:54.118704 | LOG | Server <-------------------- DUT |
| 0:25:54.118704 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a618, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 7dba2889) |
| 0:25:54.118704 | LOG | PULL\_RESP: Protocol version = 02, Token = f5d9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4101464285, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AGKbgO326KIk='}} |
| 0:25:54.118704 | LOG | Server --------------------> DUT |
| 0:25:54.118704 | LOG | TX\_ACK: 02 f5d9 05 aa555a0000240409 |
| 0:25:58.966785 | LOG | PUSH\_ACK: 02 1472 01 |
| 0:25:58.968836 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1472, Identifier = 00, JSON = {'rxpk': [{'tmst': 4105307043, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ACwPgm67t5atz'}]} |
| 0:25:58.968836 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 030b, FOpts: ), FPort: e0, FRMPayload: 0285, MIC: ede5ab73) |
| 0:25:58.968836 | LOG | Server <-------------------- DUT |
| 0:25:58.968836 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a619, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 8d650b8c) |
| 0:25:58.968836 | LOG | PULL\_RESP: Protocol version = 02, Token = 24fa, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4106307043, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AGabgCo1lC4w='}} |
| 0:25:58.968836 | LOG | Server --------------------> DUT |
| 0:25:58.968836 | LOG | TX\_ACK: 02 24fa 05 aa555a0000240409 |
| 0:26:00.626763 | LOG | PULL\_DATA: 02 db85 02 aa555a0000240409 |
| 0:26:00.626763 | LOG | PULL\_ACK: 02 db85 04 |
| 0:26:03.797510 | LOG | PUSH\_ACK: 02 1473 01 |
| 0:26:03.797510 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1473, Identifier = 00, JSON = {'rxpk': [{'tmst': 4110149755, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ADAPgr+n7giJI'}]} |
| 0:26:03.797510 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 030c, FOpts: ), FPort: e0, FRMPayload: 0286, MIC: fb822248) |
| 0:26:03.797510 | LOG | Server <-------------------- DUT |
| 0:26:03.797510 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a61a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c0616937) |
| 0:26:03.797510 | LOG | PULL\_RESP: Protocol version = 02, Token = 752d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4111149755, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AGqbg+MBhaTc='}} |
| 0:26:03.797510 | LOG | Server --------------------> DUT |
| 0:26:03.797510 | LOG | TX\_ACK: 02 752d 05 aa555a0000240409 |
| 0:26:08.652842 | LOG | PUSH\_ACK: 02 1474 01 |
| 0:26:08.654894 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1474, Identifier = 00, JSON = {'rxpk': [{'tmst': 4114992506, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ADQPgJRkD842u'}]} |
| 0:26:08.654894 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 030d, FOpts: ), FPort: e0, FRMPayload: 0287, MIC: 03f38dae) |
| 0:26:08.654894 | LOG | Server <-------------------- DUT |
| 0:26:08.654894 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a61b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 08040259) |
| 0:26:08.654894 | LOG | PULL\_RESP: Protocol version = 02, Token = 848e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4115992506, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AG6bgyAgEAlk='}} |
| 0:26:08.654894 | LOG | Server --------------------> DUT |
| 0:26:08.654894 | LOG | TX\_ACK: 02 848e 05 aa555a0000240409 |
| 0:26:10.705206 | LOG | PULL\_DATA: 02 3353 02 aa555a0000240409 |
| 0:26:10.705206 | LOG | PULL\_ACK: 02 3353 04 |
| 0:26:13.552717 | LOG | PUSH\_ACK: 02 1475 01 |
| 0:26:13.554805 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1475, Identifier = 00, JSON = {'rxpk': [{'tmst': 4119875706, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -52, 'size': 15, 'data': 'QO++rd6ADgPg+wgS6UgA'}]} |
| 0:26:13.554805 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 030e, FOpts: ), FPort: e0, FRMPayload: 0288, MIC: 12e94800) |
| 0:26:13.554805 | LOG | Server <-------------------- DUT |
| 0:26:13.554805 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a61c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: f0844dc4) |
| 0:26:13.554805 | LOG | PULL\_RESP: Protocol version = 02, Token = 7186, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4120875706, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AHKbgRfCETcQ='}} |
| 0:26:13.554805 | LOG | Server --------------------> DUT |
| 0:26:13.554805 | LOG | TX\_ACK: 02 7186 05 aa555a0000240409 |
| 0:26:18.428679 | LOG | PUSH\_ACK: 02 1476 01 |
| 0:26:18.428679 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1476, Identifier = 00, JSON = {'rxpk': [{'tmst': 4124718469, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ADwPgpHKCZnr+'}]} |
| 0:26:18.428679 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 030f, FOpts: ), FPort: e0, FRMPayload: 0289, MIC: 82667afe) |
| 0:26:18.428679 | LOG | Server <-------------------- DUT |
| 0:26:18.428679 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a61d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 728c7ac3) |
| 0:26:18.428679 | LOG | PULL\_RESP: Protocol version = 02, Token = 7478, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4125718469, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AHabg5HKMesM='}} |
| 0:26:18.428679 | LOG | Server --------------------> DUT |
| 0:26:18.428679 | LOG | TX\_ACK: 02 7478 05 aa555a0000240409 |
| 0:26:20.892798 | LOG | PULL\_DATA: 02 e703 02 aa555a0000240409 |
| 0:26:20.892798 | LOG | PULL\_ACK: 02 e703 04 |
| 0:26:23.211208 | LOG | PUSH\_ACK: 02 1477 01 |
| 0:26:23.211208 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1477, Identifier = 00, JSON = {'rxpk': [{'tmst': 4129561186, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AEAPgBpSPkxVf'}]} |
| 0:26:23.211208 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0310, FOpts: ), FPort: e0, FRMPayload: 028a, MIC: 8f93155f) |
| 0:26:23.211208 | LOG | Server <-------------------- DUT |
| 0:26:23.211208 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a61e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 1c7eb1b1) |
| 0:26:23.211208 | LOG | PULL\_RESP: Protocol version = 02, Token = 1944, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4130561186, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AHqbgmBx+sbE='}} |
| 0:26:23.211208 | LOG | Server --------------------> DUT |
| 0:26:23.211208 | LOG | TX\_ACK: 02 1944 05 aa555a0000240409 |
| 0:26:28.079287 | LOG | PUSH\_ACK: 02 1479 01 |
| 0:26:28.079287 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1479, Identifier = 00, JSON = {'rxpk': [{'tmst': 4134403914, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AEQPgeBcuFrO3'}]} |
| 0:26:28.079287 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0311, FOpts: ), FPort: e0, FRMPayload: 028b, MIC: 2e16b3b7) |
| 0:26:28.079287 | LOG | Server <-------------------- DUT |
| 0:26:28.079287 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a61f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a36c7fe0) |
| 0:26:28.079287 | LOG | PULL\_RESP: Protocol version = 02, Token = b4aa, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4135403914, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AH6bg3aNsf+A='}} |
| 0:26:28.079287 | LOG | Server --------------------> DUT |
| 0:26:28.079287 | LOG | TX\_ACK: 02 b4aa 05 aa555a0000240409 |
| 0:26:30.953729 | LOG | PULL\_DATA: 02 1bbd 02 aa555a0000240409 |
| 0:26:30.953729 | LOG | PULL\_ACK: 02 1bbd 04 |
| 0:26:32.896998 | LOG | PUSH\_ACK: 02 147a 01 |
| 0:26:32.899045 | LOG | PUSH\_DATA: Protocol version = 02, Token = 147a, Identifier = 00, JSON = {'rxpk': [{'tmst': 4139246642, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AEgPgvwWvUO4H'}]} |
| 0:26:32.899045 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0312, FOpts: ), FPort: e0, FRMPayload: 028c, MIC: af50ee07) |
| 0:26:32.899045 | LOG | Server <-------------------- DUT |
| 0:26:32.899045 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a620, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ee2687df) |
| 0:26:32.899045 | LOG | PULL\_RESP: Protocol version = 02, Token = 6de0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4140246642, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AIKbgSO4mh98='}} |
| 0:26:32.899045 | LOG | Server --------------------> DUT |
| 0:26:32.899045 | LOG | TX\_ACK: 02 6de0 05 aa555a0000240409 |
| 0:26:37.770414 | LOG | PUSH\_ACK: 02 147b 01 |
| 0:26:37.772436 | LOG | PUSH\_DATA: Protocol version = 02, Token = 147b, Identifier = 00, JSON = {'rxpk': [{'tmst': 4144089561, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AEwPgsW5vCO9c'}]} |
| 0:26:37.772436 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0313, FOpts: ), FPort: e0, FRMPayload: 028d, MIC: 6f08ef5c) |
| 0:26:37.772436 | LOG | Server <-------------------- DUT |
| 0:26:37.772436 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a621, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 02b4f531) |
| 0:26:37.772436 | LOG | PULL\_RESP: Protocol version = 02, Token = 71d9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4145089561, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AIabgOwK09TE='}} |
| 0:26:37.772436 | LOG | Server --------------------> DUT |
| 0:26:37.772436 | LOG | TX\_ACK: 02 71d9 05 aa555a0000240409 |
| 0:26:41.080247 | LOG | PULL\_DATA: 02 86c9 02 aa555a0000240409 |
| 0:26:41.080247 | LOG | PULL\_ACK: 02 86c9 04 |
| 0:26:42.640182 | LOG | PUSH\_ACK: 02 147c 01 |
| 0:26:42.640182 | LOG | PUSH\_DATA: Protocol version = 02, Token = 147c, Identifier = 00, JSON = {'rxpk': [{'tmst': 4148932310, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AFAPgMugSe2d1'}]} |
| 0:26:42.640182 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0314, FOpts: ), FPort: e0, FRMPayload: 028e, MIC: 127b6775) |
| 0:26:42.640182 | LOG | Server <-------------------- DUT |
| 0:26:42.640182 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a622, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ec3596a4) |
| 0:26:42.640182 | LOG | PULL\_RESP: Protocol version = 02, Token = 2c0b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4149932310, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AIqbgsuw1lqQ='}} |
| 0:26:42.640182 | LOG | Server --------------------> DUT |
| 0:26:42.640182 | LOG | TX\_ACK: 02 2c0b 05 aa555a0000240409 |
| 0:26:47.479112 | LOG | PUSH\_ACK: 02 147d 01 |
| 0:26:47.481163 | LOG | PUSH\_DATA: Protocol version = 02, Token = 147d, Identifier = 00, JSON = {'rxpk': [{'tmst': 4153775021, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AFQPg5yLuuIAd'}]} |
| 0:26:47.481163 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0315, FOpts: ), FPort: e0, FRMPayload: 028f, MIC: eeb8801d) |
| 0:26:47.481163 | LOG | Server <-------------------- DUT |
| 0:26:47.489227 | LOG | Number of downlinks: 60 |
| 0:26:47.489227 | LOG | Number of errors: 0 |
| 0:26:47.489227 | LOG | Packet Error Rate (%): 0.0 |
| 0:26:47.499186 | LOG | Packet error rate SF7BW125 process tested successfully |
| 0:26:47.499186 | LOG | End Test Step: Test packet error rate for SF8BW500 using RX1 window |
| 0:26:47.499186 | LOG | Partial Verdict: PASS |
| 0:26:47.499186 | LOG | ========================================================= |
| 0:26:47.499186 | LOG | ========================================================= |
| 0:26:47.509178 | LOG | Start Test Step: Test packet error rate for SF7BW500 using RX1 window |
| 0:26:47.509178 | LOG | Send LinkADRReq process starts |
| 0:26:51.261572 | LOG | PULL\_DATA: 02 1813 02 aa555a0000240409 |
| 0:26:51.261572 | LOG | PULL\_ACK: 02 1813 04 |
| 0:26:52.307713 | LOG | PUSH\_ACK: 02 147e 01 |
| 0:26:52.309765 | LOG | PUSH\_DATA: Protocol version = 02, Token = 147e, Identifier = 00, JSON = {'rxpk': [{'tmst': 4158658301, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AFgPg8pEQ2IbA'}]} |
| 0:26:52.309765 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0316, FOpts: ), FPort: e0, FRMPayload: 028f, MIC: 10d886c0) |
| 0:26:52.309765 | LOG | Server <-------------------- DUT |
| 0:26:52.309765 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a623, FOpts: ), FPort: 00, FRMPayload: 0335ff0001), MIC: 316d127c) |
| 0:26:52.309765 | LOG | PULL\_RESP: Protocol version = 02, Token = 7a8e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4159658301, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AI6YAeRAHC00xbRJ8'}} |
| 0:26:52.309765 | LOG | Server --------------------> DUT |
| 0:26:52.309765 | LOG | TX\_ACK: 02 7a8e 05 aa555a0000240409 |
| 0:26:57.147333 | LOG | PUSH\_ACK: 02 1480 01 |
| 0:26:57.149416 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1480, Identifier = 00, JSON = {'rxpk': [{'tmst': 4163506675, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -52, 'size': 17, 'data': 'QO++rd6CFwMDB+DVXhW+xGw='}]} |
| 0:26:57.149416 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0317, FOpts: 0307), FPort: e0, FRMPayload: 0290, MIC: 15bec46c) |
| 0:26:57.149416 | LOG | Server <-------------------- DUT |
| 0:26:57.149416 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:26:57.149416 | LOG | Command Answer: 0307 |
| 0:26:57.149416 | LOG | MAC command communication completed |
| 0:26:57.157475 | LOG | Send RXParamSetupReq process starts |
| 0:27:01.364992 | LOG | PULL\_DATA: 02 ddff 02 aa555a0000240409 |
| 0:27:01.364992 | LOG | PULL\_ACK: 02 ddff 04 |
| 0:27:02.053738 | LOG | PUSH\_ACK: 02 1481 01 |
| 0:27:02.053738 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1481, Identifier = 00, JSON = {'rxpk': [{'tmst': 4168343882, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AGAPgkSjOLQQc'}]} |
| 0:27:02.053738 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0318, FOpts: ), FPort: e0, FRMPayload: 0290, MIC: ce2d041c) |
| 0:27:02.053738 | LOG | Server <-------------------- DUT |
| 0:27:02.053738 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a624, FOpts: ), FPort: 00, FRMPayload: 050868e28c), MIC: 13290307) |
| 0:27:02.053738 | LOG | PULL\_RESP: Protocol version = 02, Token = ec98, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4169343882, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AJKYAW1AipmgTKQMH'}} |
| 0:27:02.053738 | LOG | Server --------------------> DUT |
| 0:27:02.053738 | LOG | TX\_ACK: 02 ec98 05 aa555a0000240409 |
| 0:27:06.867271 | LOG | PUSH\_ACK: 02 1482 01 |
| 0:27:06.869291 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1482, Identifier = 00, JSON = {'rxpk': [{'tmst': 4173192066, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CGQMFB+AAsB2NtCE='}]} |
| 0:27:06.869291 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0319, FOpts: 0507), FPort: e0, FRMPayload: 0291, MIC: 1d8db421) |
| 0:27:06.869291 | LOG | Server <-------------------- DUT |
| 0:27:06.869291 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:27:06.869291 | LOG | Command Answer: 0507 |
| 0:27:06.877330 | LOG | Send ACK to DUT process starts |
| 0:27:06.877330 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a625, FOpts: ), FPort: , FRMPayload: ), MIC: 5b198fd8) |
| 0:27:06.877330 | LOG | PULL\_RESP: Protocol version = 02, Token = b6fb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4174192066, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AJaZbGY/Y'}} |
| 0:27:06.877330 | LOG | Server --------------------> DUT |
| 0:27:06.877330 | LOG | Send ACK to DUT tested successfully |
| 0:27:06.887303 | LOG | MAC command communication completed |
| 0:27:06.887303 | LOG | Packet error rate (Unconfirmed) SF7BW125 process starts |
| 0:27:11.376189 | LOG | PULL\_DATA: 02 08cf 02 aa555a0000240409 |
| 0:27:11.376189 | LOG | PULL\_ACK: 02 08cf 04 |
| 0:27:11.746288 | LOG | PUSH\_ACK: 02 1483 01 |
| 0:27:11.746288 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1483, Identifier = 00, JSON = {'rxpk': [{'tmst': 4178029233, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AGgPgP8vQ9LVl'}]} |
| 0:27:11.746288 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 031a, FOpts: ), FPort: e0, FRMPayload: 0292, MIC: d0f4b565) |
| 0:27:11.746288 | LOG | Server <-------------------- DUT |
| 0:27:11.746288 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a626, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ec6d97c6) |
| 0:27:11.746288 | LOG | PULL\_RESP: Protocol version = 02, Token = 231f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4179029233, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AJqbgs+xtl8Y='}} |
| 0:27:11.746288 | LOG | Server --------------------> DUT |
| 0:27:11.746288 | LOG | TX\_ACK: 02 231f 05 aa555a0000240409 |
| 0:27:16.545711 | LOG | PUSH\_ACK: 02 1484 01 |
| 0:27:16.545711 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1484, Identifier = 00, JSON = {'rxpk': [{'tmst': 4182871961, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AGwPgPYQNJCaa'}]} |
| 0:27:16.545711 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 031b, FOpts: ), FPort: e0, FRMPayload: 0293, MIC: 0d24269a) |
| 0:27:16.545711 | LOG | Server <-------------------- DUT |
| 0:27:16.545711 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a627, FOpts: ), FPort: e0, FRMPayload: 03), MIC: a27e7805) |
| 0:27:16.545711 | LOG | PULL\_RESP: Protocol version = 02, Token = b97d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4183871961, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AJ6bg+KJ+eAU='}} |
| 0:27:16.545711 | LOG | Server --------------------> DUT |
| 0:27:16.552090 | LOG | TX\_ACK: 02 b97d 05 aa555a0000240409 |
| 0:27:21.380896 | LOG | PUSH\_ACK: 02 1485 01 |
| 0:27:21.382933 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1485, Identifier = 00, JSON = {'rxpk': [{'tmst': 4187714695, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AHAPg0RduuxnJ'}]} |
| 0:27:21.382933 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 031c, FOpts: ), FPort: e0, FRMPayload: 0294, MIC: 6ebb19c9) |
| 0:27:21.382933 | LOG | Server <-------------------- DUT |
| 0:27:21.382933 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a628, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 9e3f5dd4) |
| 0:27:21.382933 | LOG | PULL\_RESP: Protocol version = 02, Token = 409d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4188714695, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AKKbgvp4/XdQ='}} |
| 0:27:21.382933 | LOG | Server --------------------> DUT |
| 0:27:21.382933 | LOG | TX\_ACK: 02 409d 05 aa555a0000240409 |
| 0:27:21.391022 | LOG | PULL\_DATA: 02 491a 02 aa555a0000240409 |
| 0:27:21.391022 | LOG | PULL\_ACK: 02 491a 04 |
| 0:27:26.241371 | LOG | PUSH\_ACK: 02 1487 01 |
| 0:27:26.241371 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1487, Identifier = 00, JSON = {'rxpk': [{'tmst': 4192557367, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AHQPgy1QYmhGv'}]} |
| 0:27:26.241371 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 031d, FOpts: ), FPort: e0, FRMPayload: 0295, MIC: 189a11af) |
| 0:27:26.241371 | LOG | Server <-------------------- DUT |
| 0:27:26.241371 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a629, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 3fc5b659) |
| 0:27:26.241371 | LOG | PULL\_RESP: Protocol version = 02, Token = 8800, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4193557367, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AKabgJj/Ftlk='}} |
| 0:27:26.241371 | LOG | Server --------------------> DUT |
| 0:27:26.241371 | LOG | TX\_ACK: 02 8800 05 aa555a0000240409 |
| 0:27:31.113132 | LOG | PUSH\_ACK: 02 1488 01 |
| 0:27:31.115165 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1488, Identifier = 00, JSON = {'rxpk': [{'tmst': 4197440646, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AHgPgxoC3b2gN'}]} |
| 0:27:31.115165 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 031e, FOpts: ), FPort: e0, FRMPayload: 0296, MIC: b76f680d) |
| 0:27:31.115165 | LOG | Server <-------------------- DUT |
| 0:27:31.115165 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a62a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c257cfff) |
| 0:27:31.115165 | LOG | PULL\_RESP: Protocol version = 02, Token = bbc2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4198440646, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AKqbghsJXz/8='}} |
| 0:27:31.115165 | LOG | Server --------------------> DUT |
| 0:27:31.115165 | LOG | TX\_ACK: 02 bbc2 05 aa555a0000240409 |
| 0:27:31.543569 | LOG | PULL\_DATA: 02 db2d 02 aa555a0000240409 |
| 0:27:31.543569 | LOG | PULL\_ACK: 02 db2d 04 |
| 0:27:35.953495 | LOG | PUSH\_ACK: 02 1489 01 |
| 0:27:35.955512 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1489, Identifier = 00, JSON = {'rxpk': [{'tmst': 4202283539, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AHwPgd8IEndXl'}]} |
| 0:27:35.955512 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 031f, FOpts: ), FPort: e0, FRMPayload: 0297, MIC: 049dd5e5) |
| 0:27:35.955512 | LOG | Server <-------------------- DUT |
| 0:27:35.955512 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a62b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: adc0f61a) |
| 0:27:35.955512 | LOG | PULL\_RESP: Protocol version = 02, Token = c153, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4203283539, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AK6bgJq3A9ho='}} |
| 0:27:35.955512 | LOG | Server --------------------> DUT |
| 0:27:35.955512 | LOG | TX\_ACK: 02 c153 05 aa555a0000240409 |
| 0:27:40.811487 | LOG | PUSH\_ACK: 02 148a 01 |
| 0:27:40.813505 | LOG | PUSH\_DATA: Protocol version = 02, Token = 148a, Identifier = 00, JSON = {'rxpk': [{'tmst': 4207126234, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AIAPgt5LvGuvi'}]} |
| 0:27:40.813505 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0320, FOpts: ), FPort: e0, FRMPayload: 0298, MIC: ef1aebe2) |
| 0:27:40.813505 | LOG | Server <-------------------- DUT |
| 0:27:40.813505 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a62c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 4f191164) |
| 0:27:40.813505 | LOG | PULL\_RESP: Protocol version = 02, Token = f944, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4208126234, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ALKbgVU8ZEWQ='}} |
| 0:27:40.813505 | LOG | Server --------------------> DUT |
| 0:27:40.813505 | LOG | TX\_ACK: 02 f944 05 aa555a0000240409 |
| 0:27:41.652719 | LOG | PULL\_DATA: 02 e850 02 aa555a0000240409 |
| 0:27:41.652719 | LOG | PULL\_ACK: 02 e850 04 |
| 0:27:45.636561 | LOG | PUSH\_ACK: 02 148b 01 |
| 0:27:45.636561 | LOG | PUSH\_DATA: Protocol version = 02, Token = 148b, Identifier = 00, JSON = {'rxpk': [{'tmst': 4211968875, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AIQPgMNcHrHYT'}]} |
| 0:27:45.636561 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0321, FOpts: ), FPort: e0, FRMPayload: 0299, MIC: 07ac7613) |
| 0:27:45.636561 | LOG | Server <-------------------- DUT |
| 0:27:45.636561 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a62d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 587ee6b3) |
| 0:27:45.636561 | LOG | PULL\_RESP: Protocol version = 02, Token = 9df2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4212968875, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ALabgi1h+5rM='}} |
| 0:27:45.636561 | LOG | Server --------------------> DUT |
| 0:27:45.636561 | LOG | TX\_ACK: 02 9df2 05 aa555a0000240409 |
| 0:27:50.465785 | LOG | PUSH\_ACK: 02 148c 01 |
| 0:27:50.465785 | LOG | PUSH\_DATA: Protocol version = 02, Token = 148c, Identifier = 00, JSON = {'rxpk': [{'tmst': 4216811579, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AIgPgLWK8H1ws'}]} |
| 0:27:50.465785 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0322, FOpts: ), FPort: e0, FRMPayload: 029a, MIC: bc1f5c2c) |
| 0:27:50.465785 | LOG | Server <-------------------- DUT |
| 0:27:50.465785 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a62e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 1725e9f7) |
| 0:27:50.465785 | LOG | PULL\_RESP: Protocol version = 02, Token = 95f0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4217811579, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ALqbgSBcl6fc='}} |
| 0:27:50.465785 | LOG | Server --------------------> DUT |
| 0:27:50.465785 | LOG | TX\_ACK: 02 95f0 05 aa555a0000240409 |
| 0:27:51.709402 | LOG | PULL\_DATA: 02 3c3d 02 aa555a0000240409 |
| 0:27:51.709402 | LOG | PULL\_ACK: 02 3c3d 04 |
| 0:27:55.310047 | LOG | PUSH\_ACK: 02 148e 01 |
| 0:27:55.312071 | LOG | PUSH\_DATA: Protocol version = 02, Token = 148e, Identifier = 00, JSON = {'rxpk': [{'tmst': 4221654321, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AIwPgCoaHjxf5'}]} |
| 0:27:55.312071 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0323, FOpts: ), FPort: e0, FRMPayload: 029b, MIC: 878f17f9) |
| 0:27:55.312071 | LOG | Server <-------------------- DUT |
| 0:27:55.312071 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a62f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 59066799) |
| 0:27:55.312071 | LOG | PULL\_RESP: Protocol version = 02, Token = adbe, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4222654321, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AL6bgmlkGZ5k='}} |
| 0:27:55.312071 | LOG | Server --------------------> DUT |
| 0:27:55.312071 | LOG | TX\_ACK: 02 adbe 05 aa555a0000240409 |
| 0:28:00.159099 | LOG | PUSH\_ACK: 02 148f 01 |
| 0:28:00.159099 | LOG | PUSH\_DATA: Protocol version = 02, Token = 148f, Identifier = 00, JSON = {'rxpk': [{'tmst': 4226497027, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AJAPgX4XCBoQd'}]} |
| 0:28:00.159099 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0324, FOpts: ), FPort: e0, FRMPayload: 029c, MIC: c206841d) |
| 0:28:00.159099 | LOG | Server <-------------------- DUT |
| 0:28:00.159099 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a630, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ab5a25d9) |
| 0:28:00.159099 | LOG | PULL\_RESP: Protocol version = 02, Token = dd3c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4227497027, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AMKbgFataJdk='}} |
| 0:28:00.159099 | LOG | Server --------------------> DUT |
| 0:28:00.159099 | LOG | TX\_ACK: 02 dd3c 05 aa555a0000240409 |
| 0:28:01.839424 | LOG | PULL\_DATA: 02 5c4f 02 aa555a0000240409 |
| 0:28:01.839424 | LOG | PULL\_ACK: 02 5c4f 04 |
| 0:28:04.371650 | LOG | Cannot unpack the message |
| 0:28:05.041763 | LOG | PUSH\_ACK: 02 1491 01 |
| 0:28:05.041763 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1491, Identifier = 00, JSON = {'rxpk': [{'tmst': 4231339769, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AJQPgiEWczuYw'}]} |
| 0:28:05.041763 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0325, FOpts: ), FPort: e0, FRMPayload: 029d, MIC: 9ccee630) |
| 0:28:05.041763 | LOG | Server <-------------------- DUT |
| 0:28:05.041763 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a631, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 83683620) |
| 0:28:05.041763 | LOG | PULL\_RESP: Protocol version = 02, Token = 1d2c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4232339769, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AMabggINoNiA='}} |
| 0:28:05.041763 | LOG | Server --------------------> DUT |
| 0:28:05.041763 | LOG | TX\_ACK: 02 1d2c 05 aa555a0000240409 |
| 0:28:09.863048 | LOG | PUSH\_ACK: 02 1492 01 |
| 0:28:09.863048 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1492, Identifier = 00, JSON = {'rxpk': [{'tmst': 4236223002, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AJgPgTMx+CkgU'}]} |
| 0:28:09.863048 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0326, FOpts: ), FPort: e0, FRMPayload: 029e, MIC: 7e0a4814) |
| 0:28:09.863048 | LOG | Server <-------------------- DUT |
| 0:28:09.863048 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a632, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 7185d776) |
| 0:28:09.863048 | LOG | PULL\_RESP: Protocol version = 02, Token = 88fc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4237223002, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AMqbgcXGF13Y='}} |
| 0:28:09.863048 | LOG | Server --------------------> DUT |
| 0:28:09.863048 | LOG | TX\_ACK: 02 88fc 05 aa555a0000240409 |
| 0:28:11.929866 | LOG | PULL\_DATA: 02 7436 02 aa555a0000240409 |
| 0:28:11.929866 | LOG | PULL\_ACK: 02 7436 04 |
| 0:28:14.784898 | LOG | PUSH\_ACK: 02 1493 01 |
| 0:28:14.784898 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1493, Identifier = 00, JSON = {'rxpk': [{'tmst': 4241065728, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AJwPgRsT42593'}]} |
| 0:28:14.784898 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0327, FOpts: ), FPort: e0, FRMPayload: 029f, MIC: f8db9f77) |
| 0:28:14.784898 | LOG | Server <-------------------- DUT |
| 0:28:14.784898 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a633, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 7b3266c7) |
| 0:28:14.784898 | LOG | PULL\_RESP: Protocol version = 02, Token = c353, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4242065728, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AM6bgyXsyZsc='}} |
| 0:28:14.784898 | LOG | Server --------------------> DUT |
| 0:28:14.784898 | LOG | TX\_ACK: 02 c353 05 aa555a0000240409 |
| 0:28:19.568732 | LOG | PUSH\_ACK: 02 1494 01 |
| 0:28:19.568732 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1494, Identifier = 00, JSON = {'rxpk': [{'tmst': 4245908416, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AKAPge+xtCeVI'}]} |
| 0:28:19.568732 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0328, FOpts: ), FPort: e0, FRMPayload: 02a0, MIC: 6d09e548) |
| 0:28:19.568732 | LOG | Server <-------------------- DUT |
| 0:28:19.568732 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a634, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 075b5baf) |
| 0:28:19.568732 | LOG | PULL\_RESP: Protocol version = 02, Token = 7123, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4246908416, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ANKbgkAdbW68='}} |
| 0:28:19.568732 | LOG | Server --------------------> DUT |
| 0:28:19.568732 | LOG | TX\_ACK: 02 7123 05 aa555a0000240409 |
| 0:28:22.055116 | LOG | PULL\_DATA: 02 cb2e 02 aa555a0000240409 |
| 0:28:22.055116 | LOG | PULL\_ACK: 02 cb2e 04 |
| 0:28:24.436116 | LOG | PUSH\_ACK: 02 1495 01 |
| 0:28:24.436116 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1495, Identifier = 00, JSON = {'rxpk': [{'tmst': 4250751209, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AKQPg0cm+h1wY'}]} |
| 0:28:24.436116 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0329, FOpts: ), FPort: e0, FRMPayload: 02a1, MIC: be875c18) |
| 0:28:24.436116 | LOG | Server <-------------------- DUT |
| 0:28:24.436116 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a635, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 4ec044cb) |
| 0:28:24.436116 | LOG | PULL\_RESP: Protocol version = 02, Token = 4889, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4251751209, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ANabgaE7ARMs='}} |
| 0:28:24.436116 | LOG | Server --------------------> DUT |
| 0:28:24.436116 | LOG | TX\_ACK: 02 4889 05 aa555a0000240409 |
| 0:28:29.239820 | LOG | PUSH\_ACK: 02 1497 01 |
| 0:28:29.239820 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1497, Identifier = 00, JSON = {'rxpk': [{'tmst': 4255593945, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AKgPg/QKNRm8G'}]} |
| 0:28:29.239820 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 032a, FOpts: ), FPort: e0, FRMPayload: 02a2, MIC: 8d466f06) |
| 0:28:29.239820 | LOG | Server <-------------------- DUT |
| 0:28:29.239820 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a636, FOpts: ), FPort: e0, FRMPayload: 03), MIC: bb3f6aee) |
| 0:28:29.239820 | LOG | PULL\_RESP: Protocol version = 02, Token = 8549, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4256593945, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ANqbgSrs/au4='}} |
| 0:28:29.239820 | LOG | Server --------------------> DUT |
| 0:28:29.239820 | LOG | TX\_ACK: 02 8549 05 aa555a0000240409 |
| 0:28:32.148628 | LOG | PULL\_DATA: 02 8c0d 02 aa555a0000240409 |
| 0:28:32.148628 | LOG | PULL\_ACK: 02 8c0d 04 |
| 0:28:34.158968 | LOG | PUSH\_ACK: 02 1498 01 |
| 0:28:34.158968 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1498, Identifier = 00, JSON = {'rxpk': [{'tmst': 4260436818, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AKwPgmNo30rxu'}]} |
| 0:28:34.158968 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 032b, FOpts: ), FPort: e0, FRMPayload: 02a3, MIC: 37d2bc6e) |
| 0:28:34.158968 | LOG | Server <-------------------- DUT |
| 0:28:34.158968 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a637, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 107c39fc) |
| 0:28:34.158968 | LOG | PULL\_RESP: Protocol version = 02, Token = 4795, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4261436818, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AN6bguhB8Ofw='}} |
| 0:28:34.158968 | LOG | Server --------------------> DUT |
| 0:28:34.158968 | LOG | TX\_ACK: 02 4795 05 aa555a0000240409 |
| 0:28:38.939892 | LOG | PUSH\_ACK: 02 1499 01 |
| 0:28:38.939892 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1499, Identifier = 00, JSON = {'rxpk': [{'tmst': 4265279552, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ALAPgJShtyCxi'}]} |
| 0:28:38.939892 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 032c, FOpts: ), FPort: e0, FRMPayload: 02a4, MIC: 6dc82c62) |
| 0:28:38.939892 | LOG | Server <-------------------- DUT |
| 0:28:38.939892 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a638, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 03930d24) |
| 0:28:38.939892 | LOG | PULL\_RESP: Protocol version = 02, Token = 8988, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4266279552, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AOKbgCgOTDSQ='}} |
| 0:28:38.939892 | LOG | Server --------------------> DUT |
| 0:28:38.939892 | LOG | TX\_ACK: 02 8988 05 aa555a0000240409 |
| 0:28:42.222249 | LOG | PULL\_DATA: 02 2aa4 02 aa555a0000240409 |
| 0:28:42.222249 | LOG | PULL\_ACK: 02 2aa4 04 |
| 0:28:43.801790 | LOG | PUSH\_ACK: 02 149a 01 |
| 0:28:43.803835 | LOG | PUSH\_DATA: Protocol version = 02, Token = 149a, Identifier = 00, JSON = {'rxpk': [{'tmst': 4270122263, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -52, 'size': 15, 'data': 'QO++rd6ALQPgHn58ez9T'}]} |
| 0:28:43.803835 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 032d, FOpts: ), FPort: e0, FRMPayload: 02a5, MIC: 7c7b3f53) |
| 0:28:43.803835 | LOG | Server <-------------------- DUT |
| 0:28:43.803835 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a639, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 7569daa9) |
| 0:28:43.803835 | LOG | PULL\_RESP: Protocol version = 02, Token = eb83, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4271122263, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AOabgxXVp2qk='}} |
| 0:28:43.803835 | LOG | Server --------------------> DUT |
| 0:28:43.803835 | LOG | TX\_ACK: 02 eb83 05 aa555a0000240409 |
| 0:28:48.725242 | LOG | PUSH\_ACK: 02 149b 01 |
| 0:28:48.725242 | LOG | PUSH\_DATA: Protocol version = 02, Token = 149b, Identifier = 00, JSON = {'rxpk': [{'tmst': 4275005454, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -52, 'size': 15, 'data': 'QO++rd6ALgPgyYPTc0Ak'}]} |
| 0:28:48.725242 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 032e, FOpts: ), FPort: e0, FRMPayload: 02a6, MIC: d3734024) |
| 0:28:48.725242 | LOG | Server <-------------------- DUT |
| 0:28:48.725242 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a63a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 63c80cf1) |
| 0:28:48.725242 | LOG | PULL\_RESP: Protocol version = 02, Token = a34b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4276005454, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AOqbgQGPIDPE='}} |
| 0:28:48.725242 | LOG | Server --------------------> DUT |
| 0:28:48.725242 | LOG | TX\_ACK: 02 a34b 05 aa555a0000240409 |
| 0:28:52.429486 | LOG | PULL\_DATA: 02 b246 02 aa555a0000240409 |
| 0:28:52.429486 | LOG | PULL\_ACK: 02 b246 04 |
| 0:28:53.569272 | LOG | PUSH\_ACK: 02 149c 01 |
| 0:28:53.569272 | LOG | PUSH\_DATA: Protocol version = 02, Token = 149c, Identifier = 00, JSON = {'rxpk': [{'tmst': 4279848333, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ALwPgXBIIA/yc'}]} |
| 0:28:53.569272 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 032f, FOpts: ), FPort: e0, FRMPayload: 02a7, MIC: 0803fc9c) |
| 0:28:53.569272 | LOG | Server <-------------------- DUT |
| 0:28:53.569272 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a63b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 73856c05) |
| 0:28:53.569272 | LOG | PULL\_RESP: Protocol version = 02, Token = c4d0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4280848333, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AO6bgB3OFbAU='}} |
| 0:28:53.569272 | LOG | Server --------------------> DUT |
| 0:28:53.569272 | LOG | TX\_ACK: 02 c4d0 05 aa555a0000240409 |
| 0:28:58.342793 | LOG | PUSH\_ACK: 02 149e 01 |
| 0:28:58.342793 | LOG | PUSH\_DATA: Protocol version = 02, Token = 149e, Identifier = 00, JSON = {'rxpk': [{'tmst': 4284691069, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AMAPgz0QjBJ/K'}]} |
| 0:28:58.342793 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0330, FOpts: ), FPort: e0, FRMPayload: 02a8, MIC: 23049fca) |
| 0:28:58.342793 | LOG | Server <-------------------- DUT |
| 0:28:58.342793 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a63c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e576423e) |
| 0:28:58.342793 | LOG | PULL\_RESP: Protocol version = 02, Token = 9d7f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4285691069, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4APKbg2+V2Qj4='}} |
| 0:28:58.342793 | LOG | Server --------------------> DUT |
| 0:28:58.342793 | LOG | TX\_ACK: 02 9d7f 05 aa555a0000240409 |
| 0:29:02.442156 | LOG | PULL\_DATA: 02 bc78 02 aa555a0000240409 |
| 0:29:02.442156 | LOG | PULL\_ACK: 02 bc78 04 |
| 0:29:03.192154 | LOG | PUSH\_ACK: 02 149f 01 |
| 0:29:03.192154 | LOG | PUSH\_DATA: Protocol version = 02, Token = 149f, Identifier = 00, JSON = {'rxpk': [{'tmst': 4289533845, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AMQPg84s5qvCd'}]} |
| 0:29:03.192154 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0331, FOpts: ), FPort: e0, FRMPayload: 02a9, MIC: 39aaf09d) |
| 0:29:03.192154 | LOG | Server <-------------------- DUT |
| 0:29:03.192154 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a63d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: cbfa347c) |
| 0:29:03.192154 | LOG | PULL\_RESP: Protocol version = 02, Token = 5aef, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 4290533845, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4APabg6sv6NHw='}} |
| 0:29:03.192154 | LOG | Server --------------------> DUT |
| 0:29:03.192154 | LOG | TX\_ACK: 02 5aef 05 aa555a0000240409 |
| 0:29:08.043185 | LOG | PUSH\_ACK: 02 14a0 01 |
| 0:29:08.043185 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14a0, Identifier = 00, JSON = {'rxpk': [{'tmst': 4294376539, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AMgPg/kF4FImd'}]} |
| 0:29:08.043185 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0332, FOpts: ), FPort: e0, FRMPayload: 02aa, MIC: 7814899d) |
| 0:29:08.043185 | LOG | Server <-------------------- DUT |
| 0:29:08.043185 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a63e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: efd41ef7) |
| 0:29:08.043185 | LOG | PULL\_RESP: Protocol version = 02, Token = d401, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 409243, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4APqbgte/UHvc='}} |
| 0:29:08.043185 | LOG | Server --------------------> DUT |
| 0:29:08.043185 | LOG | TX\_ACK: 02 d401 05 aa555a0000240409 |
| 0:29:12.544107 | LOG | PULL\_DATA: 02 df0b 02 aa555a0000240409 |
| 0:29:12.544107 | LOG | PULL\_ACK: 02 df0b 04 |
| 0:29:12.864177 | LOG | PUSH\_ACK: 02 14a1 01 |
| 0:29:12.864177 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14a1, Identifier = 00, JSON = {'rxpk': [{'tmst': 4251946, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AMwPgohrMY1lV'}]} |
| 0:29:12.864177 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0333, FOpts: ), FPort: e0, FRMPayload: 02ab, MIC: cc635955) |
| 0:29:12.864177 | LOG | Server <-------------------- DUT |
| 0:29:12.864177 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a63f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 3d391a49) |
| 0:29:12.864177 | LOG | PULL\_RESP: Protocol version = 02, Token = 54f7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 5251946, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AP6bgvD05Gkk='}} |
| 0:29:12.864177 | LOG | Server --------------------> DUT |
| 0:29:12.864177 | LOG | TX\_ACK: 02 54f7 05 aa555a0000240409 |
| 0:29:17.726228 | LOG | PUSH\_ACK: 02 14a2 01 |
| 0:29:17.726228 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14a2, Identifier = 00, JSON = {'rxpk': [{'tmst': 9094667, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ANAPgrbN0ZyvH'}]} |
| 0:29:17.726228 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0334, FOpts: ), FPort: e0, FRMPayload: 02ac, MIC: 74672bc7) |
| 0:29:17.726228 | LOG | Server <-------------------- DUT |
| 0:29:17.726228 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a640, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 686ba779) |
| 0:29:17.726228 | LOG | PULL\_RESP: Protocol version = 02, Token = bedb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 10094667, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AQKbgGmhrp3k='}} |
| 0:29:17.726228 | LOG | Server --------------------> DUT |
| 0:29:17.726228 | LOG | TX\_ACK: 02 bedb 05 aa555a0000240409 |
| 0:29:22.565252 | LOG | PUSH\_ACK: 02 14a3 01 |
| 0:29:22.565252 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14a3, Identifier = 00, JSON = {'rxpk': [{'tmst': 13937361, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ANQPgzX+l1pz1'}]} |
| 0:29:22.565252 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0335, FOpts: ), FPort: e0, FRMPayload: 02ad, MIC: a5d69cf5) |
| 0:29:22.565252 | LOG | Server <-------------------- DUT |
| 0:29:22.565252 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a641, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b7a784d5) |
| 0:29:22.565252 | LOG | PULL\_RESP: Protocol version = 02, Token = e7e9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 14937361, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AQabgXLenhNU='}} |
| 0:29:22.565252 | LOG | Server --------------------> DUT |
| 0:29:22.565252 | LOG | TX\_ACK: 02 e7e9 05 aa555a0000240409 |
| 0:29:22.575290 | LOG | PULL\_DATA: 02 d538 02 aa555a0000240409 |
| 0:29:22.575290 | LOG | PULL\_ACK: 02 d538 04 |
| 0:29:27.474953 | LOG | PUSH\_ACK: 02 14a5 01 |
| 0:29:27.476996 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14a5, Identifier = 00, JSON = {'rxpk': [{'tmst': 18820576, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6ANgPgBZ5sa15S'}]} |
| 0:29:27.476996 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0336, FOpts: ), FPort: e0, FRMPayload: 02ae, MIC: 6c6b5e52) |
| 0:29:27.476996 | LOG | Server <-------------------- DUT |
| 0:29:27.476996 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a642, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 52c26785) |
| 0:29:27.476996 | LOG | PULL\_RESP: Protocol version = 02, Token = a9c2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 19820576, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AQqbg9FLCZ4U='}} |
| 0:29:27.476996 | LOG | Server --------------------> DUT |
| 0:29:27.476996 | LOG | TX\_ACK: 02 a9c2 05 aa555a0000240409 |
| 0:29:32.285109 | LOG | PUSH\_ACK: 02 14a6 01 |
| 0:29:32.285109 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14a6, Identifier = 00, JSON = {'rxpk': [{'tmst': 23663474, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -53, 'size': 15, 'data': 'QO++rd6ANwPgYaAW6wTk'}]} |
| 0:29:32.285109 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0337, FOpts: ), FPort: e0, FRMPayload: 02af, MIC: 16eb04e4) |
| 0:29:32.285109 | LOG | Server <-------------------- DUT |
| 0:29:32.285109 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a643, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 1818a90a) |
| 0:29:32.285109 | LOG | PULL\_RESP: Protocol version = 02, Token = 88ea, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 24663474, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AQ6bgFhgYqQo='}} |
| 0:29:32.285109 | LOG | Server --------------------> DUT |
| 0:29:32.285109 | LOG | TX\_ACK: 02 88ea 05 aa555a0000240409 |
| 0:29:32.705144 | LOG | PULL\_DATA: 02 b67b 02 aa555a0000240409 |
| 0:29:32.705144 | LOG | PULL\_ACK: 02 b67b 04 |
| 0:29:37.134500 | LOG | PUSH\_ACK: 02 14a7 01 |
| 0:29:37.134500 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14a7, Identifier = 00, JSON = {'rxpk': [{'tmst': 28506220, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AOAPgjweziwVz'}]} |
| 0:29:37.134500 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0338, FOpts: ), FPort: e0, FRMPayload: 02b0, MIC: b38b0573) |
| 0:29:37.134500 | LOG | Server <-------------------- DUT |
| 0:29:37.134500 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a644, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e4b0a205) |
| 0:29:37.134500 | LOG | PULL\_RESP: Protocol version = 02, Token = ac6a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 29506220, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ARKbgEuSwogU='}} |
| 0:29:37.134500 | LOG | Server --------------------> DUT |
| 0:29:37.134500 | LOG | TX\_ACK: 02 ac6a 05 aa555a0000240409 |
| 0:29:41.987439 | LOG | PUSH\_ACK: 02 14a8 01 |
| 0:29:41.987439 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14a8, Identifier = 00, JSON = {'rxpk': [{'tmst': 33348925, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AOQPgHAbd1bOo'}]} |
| 0:29:41.987439 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0339, FOpts: ), FPort: e0, FRMPayload: 02b1, MIC: ddd5b3a8) |
| 0:29:41.987439 | LOG | Server <-------------------- DUT |
| 0:29:41.987439 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a645, FOpts: ), FPort: e0, FRMPayload: 03), MIC: c19bf059) |
| 0:29:41.987439 | LOG | PULL\_RESP: Protocol version = 02, Token = dc3a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 34348925, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ARabgQ8Gb8Fk='}} |
| 0:29:41.987439 | LOG | Server --------------------> DUT |
| 0:29:41.987439 | LOG | TX\_ACK: 02 dc3a 05 aa555a0000240409 |
| 0:29:42.803281 | LOG | PULL\_DATA: 02 e42e 02 aa555a0000240409 |
| 0:29:42.803281 | LOG | PULL\_ACK: 02 e42e 04 |
| 0:29:46.833607 | LOG | PUSH\_ACK: 02 14a9 01 |
| 0:29:46.833607 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14a9, Identifier = 00, JSON = {'rxpk': [{'tmst': 38191717, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AOgPg9ZnfpUd/'}]} |
| 0:29:46.833607 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 033a, FOpts: ), FPort: e0, FRMPayload: 02b2, MIC: dfa5477f) |
| 0:29:46.833607 | LOG | Server <-------------------- DUT |
| 0:29:46.833607 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a646, FOpts: ), FPort: e0, FRMPayload: 03), MIC: bdebf4c0) |
| 0:29:46.833607 | LOG | PULL\_RESP: Protocol version = 02, Token = 7b1b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 39191717, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ARqbgzr3r9MA='}} |
| 0:29:46.833607 | LOG | Server --------------------> DUT |
| 0:29:46.833607 | LOG | TX\_ACK: 02 7b1b 05 aa555a0000240409 |
| 0:29:51.655732 | LOG | PUSH\_ACK: 02 14aa 01 |
| 0:29:51.657885 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14aa, Identifier = 00, JSON = {'rxpk': [{'tmst': 43034399, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AOwPgxLybPDBf'}]} |
| 0:29:51.657885 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 033b, FOpts: ), FPort: e0, FRMPayload: 02b3, MIC: 9b3c305f) |
| 0:29:51.657885 | LOG | Server <-------------------- DUT |
| 0:29:51.657885 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a647, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e92cbf18) |
| 0:29:51.657885 | LOG | PULL\_RESP: Protocol version = 02, Token = 1a99, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 44034399, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AR6bgKuksvxg='}} |
| 0:29:51.657885 | LOG | Server --------------------> DUT |
| 0:29:51.657885 | LOG | TX\_ACK: 02 1a99 05 aa555a0000240409 |
| 0:29:52.895961 | LOG | PULL\_DATA: 02 ae44 02 aa555a0000240409 |
| 0:29:52.895961 | LOG | PULL\_ACK: 02 ae44 04 |
| 0:29:56.485993 | LOG | PUSH\_ACK: 02 14ac 01 |
| 0:29:56.485993 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14ac, Identifier = 00, JSON = {'rxpk': [{'tmst': 47877200, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6APAPg8nSq2blr'}]} |
| 0:29:56.485993 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 033c, FOpts: ), FPort: e0, FRMPayload: 02b4, MIC: aad9b96b) |
| 0:29:56.485993 | LOG | Server <-------------------- DUT |
| 0:29:56.485993 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a648, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 0e291db5) |
| 0:29:56.485993 | LOG | PULL\_RESP: Protocol version = 02, Token = 0dd1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 48877200, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ASKbggA4pHbU='}} |
| 0:29:56.485993 | LOG | Server --------------------> DUT |
| 0:29:56.485993 | LOG | TX\_ACK: 02 0dd1 05 aa555a0000240409 |
| 0:30:01.402902 | LOG | PUSH\_ACK: 02 14ad 01 |
| 0:30:01.402902 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14ad, Identifier = 00, JSON = {'rxpk': [{'tmst': 52719974, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6APQPgH70+I5oQ'}]} |
| 0:30:01.402902 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 033d, FOpts: ), FPort: e0, FRMPayload: 02b5, MIC: 3e239a10) |
| 0:30:01.402902 | LOG | Server <-------------------- DUT |
| 0:30:01.402902 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a649, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 07591dea) |
| 0:30:01.402902 | LOG | PULL\_RESP: Protocol version = 02, Token = 0b6a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 53719974, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ASabgzAdZHeo='}} |
| 0:30:01.402902 | LOG | Server --------------------> DUT |
| 0:30:01.402902 | LOG | TX\_ACK: 02 0b6a 05 aa555a0000240409 |
| 0:30:03.071412 | LOG | PULL\_DATA: 02 b090 02 aa555a0000240409 |
| 0:30:03.071412 | LOG | PULL\_ACK: 02 b090 04 |
| 0:30:06.294835 | LOG | PUSH\_ACK: 02 14ae 01 |
| 0:30:06.294835 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14ae, Identifier = 00, JSON = {'rxpk': [{'tmst': 57603246, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6APgPgrJjqN3sM'}]} |
| 0:30:06.294835 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 033e, FOpts: ), FPort: e0, FRMPayload: 02b6, MIC: ea377b0c) |
| 0:30:06.294835 | LOG | Server <-------------------- DUT |
| 0:30:06.294835 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a64a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 4bbac62d) |
| 0:30:06.294835 | LOG | PULL\_RESP: Protocol version = 02, Token = c3e2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 58603246, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ASqbgN0u6xi0='}} |
| 0:30:06.294835 | LOG | Server --------------------> DUT |
| 0:30:06.294835 | LOG | TX\_ACK: 02 c3e2 05 aa555a0000240409 |
| 0:30:11.094642 | LOG | PUSH\_ACK: 02 14af 01 |
| 0:30:11.094642 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14af, Identifier = 00, JSON = {'rxpk': [{'tmst': 62445973, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6APwPg0HkLNy7s'}]} |
| 0:30:11.097601 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 033f, FOpts: ), FPort: e0, FRMPayload: 02b7, MIC: 0b372eec) |
| 0:30:11.097601 | LOG | Server <-------------------- DUT |
| 0:30:11.097601 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a64b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 04fee22e) |
| 0:30:11.097601 | LOG | PULL\_RESP: Protocol version = 02, Token = 3b42, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 63445973, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AS6bgfAT+4i4='}} |
| 0:30:11.097601 | LOG | Server --------------------> DUT |
| 0:30:11.097601 | LOG | TX\_ACK: 02 3b42 05 aa555a0000240409 |
| 0:30:13.166343 | LOG | PULL\_DATA: 02 7374 02 aa555a0000240409 |
| 0:30:13.166343 | LOG | PULL\_ACK: 02 7374 04 |
| 0:30:15.936814 | LOG | PUSH\_ACK: 02 14b0 01 |
| 0:30:15.936814 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14b0, Identifier = 00, JSON = {'rxpk': [{'tmst': 67288742, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AQAPgCoOFkRRK'}]} |
| 0:30:15.936814 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0340, FOpts: ), FPort: e0, FRMPayload: 02b8, MIC: 8591144a) |
| 0:30:15.936814 | LOG | Server <-------------------- DUT |
| 0:30:15.936814 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a64c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 9d073190) |
| 0:30:15.936814 | LOG | PULL\_RESP: Protocol version = 02, Token = a163, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 68288742, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ATKbg0p0HMZA='}} |
| 0:30:15.936814 | LOG | Server --------------------> DUT |
| 0:30:15.936814 | LOG | TX\_ACK: 02 a163 05 aa555a0000240409 |
| 0:30:20.775328 | LOG | PUSH\_ACK: 02 14b1 01 |
| 0:30:20.775328 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14b1, Identifier = 00, JSON = {'rxpk': [{'tmst': 72131413, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AQQPgL7a78fJV'}]} |
| 0:30:20.775328 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0341, FOpts: ), FPort: e0, FRMPayload: 02b9, MIC: bbf1f255) |
| 0:30:20.775328 | LOG | Server <-------------------- DUT |
| 0:30:20.775328 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a64d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 95dde0c6) |
| 0:30:20.775328 | LOG | PULL\_RESP: Protocol version = 02, Token = 3604, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 73131413, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ATabg0ZXd4MY='}} |
| 0:30:20.775328 | LOG | Server --------------------> DUT |
| 0:30:20.775328 | LOG | TX\_ACK: 02 3604 05 aa555a0000240409 |
| 0:30:23.231597 | LOG | PULL\_DATA: 02 e2f7 02 aa555a0000240409 |
| 0:30:23.231597 | LOG | PULL\_ACK: 02 e2f7 04 |
| 0:30:25.619438 | LOG | PUSH\_ACK: 02 14b2 01 |
| 0:30:25.619438 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14b2, Identifier = 00, JSON = {'rxpk': [{'tmst': 76974197, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AQgPgZ+miD1tZ'}]} |
| 0:30:25.619438 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0342, FOpts: ), FPort: e0, FRMPayload: 02ba, MIC: a20f5b59) |
| 0:30:25.619438 | LOG | Server <-------------------- DUT |
| 0:30:25.619438 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a64e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: ce91e4e6) |
| 0:30:25.619438 | LOG | PULL\_RESP: Protocol version = 02, Token = 7df4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 77974197, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4ATqbgb86R5OY='}} |
| 0:30:25.619438 | LOG | Server --------------------> DUT |
| 0:30:25.619438 | LOG | TX\_ACK: 02 7df4 05 aa555a0000240409 |
| 0:30:30.469345 | LOG | PUSH\_ACK: 02 14b4 01 |
| 0:30:30.469345 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14b4, Identifier = 00, JSON = {'rxpk': [{'tmst': 81816852, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AQwPgJV0ZqUqX'}]} |
| 0:30:30.469345 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0343, FOpts: ), FPort: e0, FRMPayload: 02bb, MIC: 19a94a97) |
| 0:30:30.469345 | LOG | Server <-------------------- DUT |
| 0:30:30.469345 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a64f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 10cbbf78) |
| 0:30:30.469345 | LOG | PULL\_RESP: Protocol version = 02, Token = 6c65, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 82816852, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AT6bgABDLv3g='}} |
| 0:30:30.469345 | LOG | Server --------------------> DUT |
| 0:30:30.469345 | LOG | TX\_ACK: 02 6c65 05 aa555a0000240409 |
| 0:30:33.333099 | LOG | PULL\_DATA: 02 8a8c 02 aa555a0000240409 |
| 0:30:33.333099 | LOG | PULL\_ACK: 02 8a8c 04 |
| 0:30:35.351082 | LOG | PUSH\_ACK: 02 14b5 01 |
| 0:30:35.351082 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14b5, Identifier = 00, JSON = {'rxpk': [{'tmst': 86659644, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6ARAPgjFOzD5vl'}]} |
| 0:30:35.351082 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0344, FOpts: ), FPort: e0, FRMPayload: 02bc, MIC: b30f9be5) |
| 0:30:35.351082 | LOG | Server <-------------------- DUT |
| 0:30:35.351082 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a650, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 75bd434d) |
| 0:30:35.351082 | LOG | PULL\_RESP: Protocol version = 02, Token = 4c2e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 87659644, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AUKbghXW9Q00='}} |
| 0:30:35.351082 | LOG | Server --------------------> DUT |
| 0:30:35.351082 | LOG | TX\_ACK: 02 4c2e 05 aa555a0000240409 |
| 0:30:40.152859 | LOG | PUSH\_ACK: 02 14b6 01 |
| 0:30:40.152859 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14b6, Identifier = 00, JSON = {'rxpk': [{'tmst': 91502571, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ARQPg6b/kkoi0'}]} |
| 0:30:40.152859 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0345, FOpts: ), FPort: e0, FRMPayload: 02bd, MIC: e49288b4) |
| 0:30:40.152859 | LOG | Server <-------------------- DUT |
| 0:30:40.152859 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a651, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 136139ba) |
| 0:30:40.152859 | LOG | PULL\_RESP: Protocol version = 02, Token = af61, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 92502571, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AUabgQhNhObo='}} |
| 0:30:40.152859 | LOG | Server --------------------> DUT |
| 0:30:40.152859 | LOG | TX\_ACK: 02 af61 05 aa555a0000240409 |
| 0:30:43.440459 | LOG | PULL\_DATA: 02 c412 02 aa555a0000240409 |
| 0:30:43.440459 | LOG | PULL\_ACK: 02 c412 04 |
| 0:30:45.040816 | LOG | PUSH\_ACK: 02 14b7 01 |
| 0:30:45.040816 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14b7, Identifier = 00, JSON = {'rxpk': [{'tmst': 96385802, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -52, 'size': 15, 'data': 'QO++rd6ARgPgzSC4+Cfc'}]} |
| 0:30:45.040816 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0346, FOpts: ), FPort: e0, FRMPayload: 02be, MIC: b8f827dc) |
| 0:30:45.040816 | LOG | Server <-------------------- DUT |
| 0:30:45.040816 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a652, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 4048bf73) |
| 0:30:45.040816 | LOG | PULL\_RESP: Protocol version = 02, Token = 9480, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 97385802, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AUqbgB0BIv3M='}} |
| 0:30:45.040816 | LOG | Server --------------------> DUT |
| 0:30:45.040816 | LOG | TX\_ACK: 02 9480 05 aa555a0000240409 |
| 0:30:49.881163 | LOG | PUSH\_ACK: 02 14b8 01 |
| 0:30:49.881163 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14b8, Identifier = 00, JSON = {'rxpk': [{'tmst': 101228680, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ARwPgJSoXlT1R'}]} |
| 0:30:49.881163 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0347, FOpts: ), FPort: e0, FRMPayload: 02bf, MIC: 17953d51) |
| 0:30:49.881163 | LOG | Server <-------------------- DUT |
| 0:30:49.881163 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a653, FOpts: ), FPort: e0, FRMPayload: 03), MIC: e9673b66) |
| 0:30:49.881163 | LOG | PULL\_RESP: Protocol version = 02, Token = ad29, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 102228680, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AU6bgN+lnO2Y='}} |
| 0:30:49.881163 | LOG | Server --------------------> DUT |
| 0:30:49.881163 | LOG | TX\_ACK: 02 ad29 05 aa555a0000240409 |
| 0:30:53.603855 | LOG | PULL\_DATA: 02 34d6 02 aa555a0000240409 |
| 0:30:53.603855 | LOG | PULL\_ACK: 02 34d6 04 |
| 0:30:54.728406 | LOG | PUSH\_ACK: 02 14b9 01 |
| 0:30:54.730453 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14b9, Identifier = 00, JSON = {'rxpk': [{'tmst': 106071384, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -52, 'size': 15, 'data': 'QO++rd6ASAPgtBna+348'}]} |
| 0:30:54.730453 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0348, FOpts: ), FPort: e0, FRMPayload: 02c0, MIC: dafb7e3c) |
| 0:30:54.730453 | LOG | Server <-------------------- DUT |
| 0:30:54.730453 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a654, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b6f46e0d) |
| 0:30:54.730453 | LOG | PULL\_RESP: Protocol version = 02, Token = e65d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 107071384, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AVKbgubb0bg0='}} |
| 0:30:54.730453 | LOG | Server --------------------> DUT |
| 0:30:54.730453 | LOG | TX\_ACK: 02 e65d 05 aa555a0000240409 |
| 0:30:59.559036 | LOG | PUSH\_ACK: 02 14bb 01 |
| 0:30:59.561110 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14bb, Identifier = 00, JSON = {'rxpk': [{'tmst': 110914118, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ASQPgJGPWEAbW'}]} |
| 0:30:59.561110 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0349, FOpts: ), FPort: e0, FRMPayload: 02c1, MIC: d61006d6) |
| 0:30:59.561110 | LOG | Server <-------------------- DUT |
| 0:30:59.561110 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a655, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 50972baa) |
| 0:30:59.561110 | LOG | PULL\_RESP: Protocol version = 02, Token = 4512, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 111914118, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AVabgsFCXK6o='}} |
| 0:30:59.561110 | LOG | Server --------------------> DUT |
| 0:30:59.561110 | LOG | TX\_ACK: 02 4512 05 aa555a0000240409 |
| 0:31:03.669352 | LOG | PULL\_DATA: 02 489c 02 aa555a0000240409 |
| 0:31:03.669352 | LOG | PULL\_ACK: 02 489c 04 |
| 0:31:04.367736 | LOG | PUSH\_ACK: 02 14bc 01 |
| 0:31:04.367736 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14bc, Identifier = 00, JSON = {'rxpk': [{'tmst': 115756765, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ASgPg86Z6HRIf'}]} |
| 0:31:04.367736 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 034a, FOpts: ), FPort: e0, FRMPayload: 02c2, MIC: 7a1d121f) |
| 0:31:04.367736 | LOG | Server <-------------------- DUT |
| 0:31:04.367736 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a656, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 77099ae3) |
| 0:31:04.367736 | LOG | PULL\_RESP: Protocol version = 02, Token = bf3e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 116756765, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AVqbgzncJmuM='}} |
| 0:31:04.367736 | LOG | Server --------------------> DUT |
| 0:31:04.367736 | LOG | TX\_ACK: 02 bf3e 05 aa555a0000240409 |
| 0:31:09.214987 | LOG | PUSH\_ACK: 02 14bd 01 |
| 0:31:09.217009 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14bd, Identifier = 00, JSON = {'rxpk': [{'tmst': 120599542, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ASwPg/PK31B01'}]} |
| 0:31:09.217009 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 034b, FOpts: ), FPort: e0, FRMPayload: 02c3, MIC: b7d41d35) |
| 0:31:09.217009 | LOG | Server <-------------------- DUT |
| 0:31:09.217009 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a657, FOpts: ), FPort: e0, FRMPayload: 03), MIC: f042b291) |
| 0:31:09.217009 | LOG | PULL\_RESP: Protocol version = 02, Token = e8d4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 121599542, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AV6bgc/BCspE='}} |
| 0:31:09.217009 | LOG | Server --------------------> DUT |
| 0:31:09.217009 | LOG | TX\_ACK: 02 e8d4 05 aa555a0000240409 |
| 0:31:13.746618 | LOG | PULL\_DATA: 02 96f9 02 aa555a0000240409 |
| 0:31:13.746618 | LOG | PULL\_ACK: 02 96f9 04 |
| 0:31:14.074667 | LOG | PUSH\_ACK: 02 14be 01 |
| 0:31:14.074667 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14be, Identifier = 00, JSON = {'rxpk': [{'tmst': 125442292, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ATAPg2kwMP2U0'}]} |
| 0:31:14.074667 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 034c, FOpts: ), FPort: e0, FRMPayload: 02c4, MIC: 0c3f6534) |
| 0:31:14.074667 | LOG | Server <-------------------- DUT |
| 0:31:14.074667 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a658, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d493a06b) |
| 0:31:14.074667 | LOG | PULL\_RESP: Protocol version = 02, Token = 206e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 126442292, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AWKbglNSToGs='}} |
| 0:31:14.074667 | LOG | Server --------------------> DUT |
| 0:31:14.074667 | LOG | TX\_ACK: 02 206e 05 aa555a0000240409 |
| 0:31:18.935587 | LOG | PUSH\_ACK: 02 14bf 01 |
| 0:31:18.937652 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14bf, Identifier = 00, JSON = {'rxpk': [{'tmst': 130285048, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ATQPgadV6vVFY'}]} |
| 0:31:18.937652 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 034d, FOpts: ), FPort: e0, FRMPayload: 02c5, MIC: 7abd5158) |
| 0:31:18.937652 | LOG | Server <-------------------- DUT |
| 0:31:18.937652 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a659, FOpts: ), FPort: e0, FRMPayload: 03), MIC: d4773fb0) |
| 0:31:18.937652 | LOG | PULL\_RESP: Protocol version = 02, Token = 942c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 131285048, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AWabgINR3P7A='}} |
| 0:31:18.937652 | LOG | Server --------------------> DUT |
| 0:31:18.937652 | LOG | TX\_ACK: 02 942c 05 aa555a0000240409 |
| 0:31:23.802251 | LOG | PUSH\_ACK: 02 14c0 01 |
| 0:31:23.804317 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14c0, Identifier = 00, JSON = {'rxpk': [{'tmst': 135168291, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ATgPghZHx7+vT'}]} |
| 0:31:23.804317 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 034e, FOpts: ), FPort: e0, FRMPayload: 02c6, MIC: f1efebd3) |
| 0:31:23.804317 | LOG | Server <-------------------- DUT |
| 0:31:23.804317 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a65a, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 5778968a) |
| 0:31:23.804317 | LOG | PULL\_RESP: Protocol version = 02, Token = 3278, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 136168291, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AWqbgHld4loo='}} |
| 0:31:23.804317 | LOG | Server --------------------> DUT |
| 0:31:23.804317 | LOG | TX\_ACK: 02 3278 05 aa555a0000240409 |
| 0:31:23.812405 | LOG | PULL\_DATA: 02 4c8b 02 aa555a0000240409 |
| 0:31:23.812405 | LOG | PULL\_ACK: 02 4c8b 04 |
| 0:31:28.674357 | LOG | PUSH\_ACK: 02 14c2 01 |
| 0:31:28.676603 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14c2, Identifier = 00, JSON = {'rxpk': [{'tmst': 140011233, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -48, 'size': 15, 'data': 'QO++rd6ATwPgSlorL0Ri'}]} |
| 0:31:28.676603 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 034f, FOpts: ), FPort: e0, FRMPayload: 02c7, MIC: 2b2f4462) |
| 0:31:28.676603 | LOG | Server <-------------------- DUT |
| 0:31:28.676603 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a65b, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 70d05a09) |
| 0:31:28.676603 | LOG | PULL\_RESP: Protocol version = 02, Token = 4e32, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 141011233, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AW6bg9nDQWgk='}} |
| 0:31:28.676603 | LOG | Server --------------------> DUT |
| 0:31:28.676603 | LOG | TX\_ACK: 02 4e32 05 aa555a0000240409 |
| 0:31:33.486818 | LOG | PUSH\_ACK: 02 14c3 01 |
| 0:31:33.488862 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14c3, Identifier = 00, JSON = {'rxpk': [{'tmst': 144853960, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AUAPg2M0u068Z'}]} |
| 0:31:33.488862 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0350, FOpts: ), FPort: e0, FRMPayload: 02c8, MIC: 2ed3af19) |
| 0:31:33.488862 | LOG | Server <-------------------- DUT |
| 0:31:33.488862 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a65c, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b368bed4) |
| 0:31:33.488862 | LOG | PULL\_RESP: Protocol version = 02, Token = c60d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 145853960, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AXKbgt7NovtQ='}} |
| 0:31:33.488862 | LOG | Server --------------------> DUT |
| 0:31:33.488862 | LOG | TX\_ACK: 02 c60d 05 aa555a0000240409 |
| 0:31:33.906815 | LOG | PULL\_DATA: 02 16cb 02 aa555a0000240409 |
| 0:31:33.906815 | LOG | PULL\_ACK: 02 16cb 04 |
| 0:31:38.363572 | LOG | PUSH\_ACK: 02 14c4 01 |
| 0:31:38.363572 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14c4, Identifier = 00, JSON = {'rxpk': [{'tmst': 149696690, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AUQPgenMguHQd'}]} |
| 0:31:38.363572 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0351, FOpts: ), FPort: e0, FRMPayload: 02c8, MIC: 20b8741d) |
| 0:31:38.363572 | LOG | Server <-------------------- DUT |
| 0:31:38.363572 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a65d, FOpts: ), FPort: e0, FRMPayload: 03), MIC: b5fdd16a) |
| 0:31:38.363572 | LOG | PULL\_RESP: Protocol version = 02, Token = fa94, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 150696690, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AXabgmrX90Wo='}} |
| 0:31:38.363572 | LOG | Server --------------------> DUT |
| 0:31:38.363572 | LOG | TX\_ACK: 02 fa94 05 aa555a0000240409 |
| 0:31:43.201128 | LOG | PUSH\_ACK: 02 14c5 01 |
| 0:31:43.201128 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14c5, Identifier = 00, JSON = {'rxpk': [{'tmst': 154539368, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AUgPgBO7tL+Jw'}]} |
| 0:31:43.201128 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0352, FOpts: ), FPort: e0, FRMPayload: 02c9, MIC: ed2fe270) |
| 0:31:43.201128 | LOG | Server <-------------------- DUT |
| 0:31:43.201128 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a65e, FOpts: ), FPort: e0, FRMPayload: 03), MIC: cffc967d) |
| 0:31:43.201128 | LOG | PULL\_RESP: Protocol version = 02, Token = 28c5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 155539368, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AXqbgVc/8ln0='}} |
| 0:31:43.201128 | LOG | Server --------------------> DUT |
| 0:31:43.201128 | LOG | TX\_ACK: 02 28c5 05 aa555a0000240409 |
| 0:31:44.031420 | LOG | PULL\_DATA: 02 1c8b 02 aa555a0000240409 |
| 0:31:44.031420 | LOG | PULL\_ACK: 02 1c8b 04 |
| 0:31:48.036141 | LOG | PUSH\_ACK: 02 14c6 01 |
| 0:31:48.036141 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14c6, Identifier = 00, JSON = {'rxpk': [{'tmst': 159382152, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AUwPghPTI7Jv3'}]} |
| 0:31:48.036141 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0353, FOpts: ), FPort: e0, FRMPayload: 02ca, MIC: c8ec9bf7) |
| 0:31:48.036141 | LOG | Server <-------------------- DUT |
| 0:31:48.036141 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a65f, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 71bcabd8) |
| 0:31:48.036141 | LOG | PULL\_RESP: Protocol version = 02, Token = ee9c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 160382152, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AX6bgdnG8q9g='}} |
| 0:31:48.036141 | LOG | Server --------------------> DUT |
| 0:31:48.036141 | LOG | TX\_ACK: 02 ee9c 05 aa555a0000240409 |
| 0:31:52.837122 | LOG | PUSH\_ACK: 02 14c7 01 |
| 0:31:52.837122 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14c7, Identifier = 00, JSON = {'rxpk': [{'tmst': 164224880, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AVAPg33uskrpe'}]} |
| 0:31:52.837122 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0354, FOpts: ), FPort: e0, FRMPayload: 02cb, MIC: ac92ba5e) |
| 0:31:52.837122 | LOG | Server <-------------------- DUT |
| 0:31:52.837122 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a660, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 41dec86a) |
| 0:31:52.837122 | LOG | PULL\_RESP: Protocol version = 02, Token = 01fa, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 165224880, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AYKbgCEHeyGo='}} |
| 0:31:52.837122 | LOG | Server --------------------> DUT |
| 0:31:52.837122 | LOG | TX\_ACK: 02 01fa 05 aa555a0000240409 |
| 0:31:54.081518 | LOG | PULL\_DATA: 02 0866 02 aa555a0000240409 |
| 0:31:54.081518 | LOG | PULL\_ACK: 02 0866 04 |
| 0:31:57.716743 | LOG | PUSH\_ACK: 02 14c9 01 |
| 0:31:57.716743 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14c9, Identifier = 00, JSON = {'rxpk': [{'tmst': 169067607, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AVQPg52SBONFK'}]} |
| 0:31:57.716743 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0355, FOpts: ), FPort: e0, FRMPayload: 02cc, MIC: 8138d14a) |
| 0:31:57.716743 | LOG | Server <-------------------- DUT |
| 0:31:57.716743 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a661, FOpts: ), FPort: e0, FRMPayload: 03), MIC: 6c0a4fc7) |
| 0:31:57.716743 | LOG | PULL\_RESP: Protocol version = 02, Token = ad11, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 170067607, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AYabgP2wKT8c='}} |
| 0:31:57.716743 | LOG | Server --------------------> DUT |
| 0:31:57.716743 | LOG | TX\_ACK: 02 ad11 05 aa555a0000240409 |
| 0:32:02.613088 | LOG | PUSH\_ACK: 02 14ca 01 |
| 0:32:02.615166 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14ca, Identifier = 00, JSON = {'rxpk': [{'tmst': 173950854, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AVgPgCH7CxF1u'}]} |
| 0:32:02.615166 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0356, FOpts: ), FPort: e0, FRMPayload: 02cd, MIC: c2c45d6e) |
| 0:32:02.615166 | LOG | Server <-------------------- DUT |
| 0:32:02.623249 | LOG | Number of downlinks: 60 |
| 0:32:02.623249 | LOG | Number of errors: 1 |
| 0:32:02.623249 | LOG | Packet Error Rate (%): 1.6666666666666667 |
| 0:32:02.633205 | LOG | Packet error rate SF7BW125 process tested successfully |
| 0:32:02.633205 | LOG | End Test Step: Test packet error rate for SF7BW500 using RX1 window |
| 0:32:02.633205 | LOG | Partial Verdict: PASS |
| 0:32:02.633205 | LOG | ========================================================= |
| 0:32:02.633205 | LOG | ========================================================= |
| 0:32:02.643206 | LOG | Start Test Step: Test mode deactivation |
| 0:32:02.643206 | LOG | Test Mode deactivation process starts |
| 0:32:02.653206 | LOG | End Test Step: Test mode deactivation |
| 0:32:02.653206 | LOG | TEST STEP NOT APPLICABLE |
| 0:32:02.653206 | LOG | ========================================================= |
| 0:32:02.653206 | LOG | End Test Case: TP\_A\_US915\_ED\_MAC\_BV\_012\_B |
| 0:32:02.653206 | LOG | Final Verdict: PASS |

|  |  |  |
| --- | --- | --- |
| **Test Case** | TP\_A\_US915\_ED\_MAC\_BV\_013 | |
| **Verdict** | PASS | |
| **Date** | 2021-08-03 17:44:48 | |
| **Description** | RX2 Receive window test | |
| **Technology Version** | LCTT v3.3.0\_R1 | GUI v1.9.0 | |
| **Core Version** | LoRaWAN\_L2v1.0.4/RP2\_v1.0.1 | |
| **Test Specs Version** | USv1.5.1/EUv1.6/KRv1.2.1/ASv1.1.1/INv1.1.1/ALL\_Av1.3/ALL\_Cv1.0 | |
| **Project** | HTLRBL32L - US915 | |
| **Project Creation Date** | 2021-07-19 10:56:56 | |
| **Sample** | DevID:HTLRBL32L testboard | AppID:1 | SW:1 | HW:1 | |
| **Parameters** | Data Rates to be measured | ALL |
|  | End test case when limit exceeded | TRUE |
|  | Conformance | TRUE |

|  |  |  |
| --- | --- | --- |
| **Time Stamp (ms)** | **Event** | **Summary** |
| 0:00:00.009723 | LOG | Start Test Case: TP\_A\_US915\_ED\_MAC\_BV\_013 |
| 0:00:00.039723 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT UPDATES. |
| 0:00:00.039723 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT TECHNOLOGY PACKAGES. |
| 0:00:00.039723 | LOG | ========================================================= |
| 0:00:00.039723 | LOG | Start Test Step: Device activation |
| 0:00:00.089723 | LOG | Activation process has finished successfully |
| 0:00:00.089723 | LOG | Data stored in the DUT after Activation: |
| 0:00:00.089723 | LOG | DevAddr: efbeadde |
| 0:00:00.089723 | LOG | AppEUI: 1111111111111111 |
| 0:00:00.089723 | LOG | NwkSKey: 11111111111111111111111111111111 |
| 0:00:00.089723 | LOG | AppSKey: 11111111111111111111111111111111 |
| 0:00:00.099724 | LOG | End Test Step: Device activation |
| 0:00:00.099724 | LOG | Partial Verdict: PASS |
| 0:00:00.099724 | LOG | ========================================================= |
| 0:00:00.099724 | LOG | ========================================================= |
| 0:00:00.099724 | LOG | Start Test Step: Test mode activation |
| 0:00:00.109723 | LOG | Test Mode activation process starts |
| 0:00:00.109723 | LOG | Test Mode has been enabled successfully |
| 0:00:00.119738 | LOG | Send LinkADRReq process starts |
| 0:00:02.749439 | LOG | PUSH\_DATA received while waiting first PULL\_DATA |
| 0:00:07.598439 | LOG | PUSH\_DATA received while waiting first PULL\_DATA |
| 0:00:09.606768 | LOG | PULL\_DATA: 02 8a7e 02 aa555a0000240409 |
| 0:00:09.606768 | LOG | PULL\_ACK: 02 8a7e 04 |
| 0:00:09.606768 | LOG | First PULL\_DATA received |
| 0:00:12.477787 | LOG | PUSH\_ACK: 02 14cd 01 |
| 0:00:12.479804 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14cd, Identifier = 00, JSON = {'rxpk': [{'tmst': 188479205, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AWQPg+ycFlTUS'}]} |
| 0:00:12.479804 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0359, FOpts: ), FPort: e0, FRMPayload: 02cd, MIC: 05953512) |
| 0:00:12.479804 | LOG | Server <-------------------- DUT |
| 0:00:12.479804 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a662, FOpts: ), FPort: 00, FRMPayload: 0345010071), MIC: 1d5bc961) |
| 0:00:12.479804 | LOG | PULL\_RESP: Protocol version = 02, Token = 309c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 189479205, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AYqYA4AQDDcMdW8lh'}} |
| 0:00:12.479804 | LOG | Server --------------------> DUT |
| 0:00:12.479804 | LOG | TX\_ACK: 02 309c 05 aa555a0000240409 |
| 0:00:17.263588 | LOG | PUSH\_ACK: 02 14ce 01 |
| 0:00:17.265605 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14ce, Identifier = 00, JSON = {'rxpk': [{'tmst': 193284025, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -54, 'size': 17, 'data': 'QO++rd6CWgMDB+B1t7+irI8='}]} |
| 0:00:17.265605 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 035a, FOpts: 0307), FPort: e0, FRMPayload: 02ce, MIC: bfa2ac8f) |
| 0:00:17.265605 | LOG | Server <-------------------- DUT |
| 0:00:17.265605 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:17.265605 | LOG | Command Answer: 0307 |
| 0:00:17.273662 | LOG | MAC command communication completed |
| 0:00:17.273662 | LOG | Send LinkADRReq process starts |
| 0:00:19.658049 | LOG | PULL\_DATA: 02 5955 02 aa555a0000240409 |
| 0:00:19.658049 | LOG | PULL\_ACK: 02 5955 04 |
| 0:00:22.107450 | LOG | PUSH\_ACK: 02 14d0 01 |
| 0:00:22.109468 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14d0, Identifier = 00, JSON = {'rxpk': [{'tmst': 198131475, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -56, 'size': 15, 'data': 'QO++rd6AWwPgIJslmM7L'}]} |
| 0:00:22.109468 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 035b, FOpts: ), FPort: e0, FRMPayload: 02ce, MIC: 2598cecb) |
| 0:00:22.109468 | LOG | Server <-------------------- DUT |
| 0:00:22.109468 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a663, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: c770d9a0) |
| 0:00:22.109468 | LOG | PULL\_RESP: Protocol version = 02, Token = 0a64, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 199131475, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AY6YAXMABLYjHcNmg'}} |
| 0:00:22.109468 | LOG | Server --------------------> DUT |
| 0:00:22.109468 | LOG | TX\_ACK: 02 0a64 05 aa555a0000240409 |
| 0:00:27.040647 | LOG | PUSH\_ACK: 02 14d1 01 |
| 0:00:27.042665 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14d1, Identifier = 00, JSON = {'rxpk': [{'tmst': 203084242, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -51, 'size': 17, 'data': 'QO++rd6CXAMDB+AGilMnDwg='}]} |
| 0:00:27.042665 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 035c, FOpts: 0307), FPort: e0, FRMPayload: 02cf, MIC: 53270f08) |
| 0:00:27.042665 | LOG | Server <-------------------- DUT |
| 0:00:27.042665 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:27.042665 | LOG | Command Answer: 0307 |
| 0:00:27.042665 | LOG | MAC command communication completed |
| 0:00:27.050750 | LOG | End Test Step: Test mode activation |
| 0:00:27.052817 | LOG | Partial Verdict: PASS |
| 0:00:27.052817 | LOG | ========================================================= |
| 0:00:27.052817 | LOG | ========================================================= |
| 0:00:27.052817 | LOG | Start Test Step: Test packet error rate for SF12BW500 using RX2 window |
| 0:00:27.060891 | LOG | Send RXParamSetupReq process starts |
| 0:00:29.691239 | LOG | PULL\_DATA: 02 acf2 02 aa555a0000240409 |
| 0:00:29.691239 | LOG | PULL\_ACK: 02 acf2 04 |
| 0:00:31.951580 | LOG | PUSH\_ACK: 02 14d2 01 |
| 0:00:31.951580 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14d2, Identifier = 00, JSON = {'rxpk': [{'tmst': 207926562, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AXQPgnnL+5UBP'}]} |
| 0:00:31.951580 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 035d, FOpts: ), FPort: e0, FRMPayload: 02cf, MIC: fee5404f) |
| 0:00:31.951580 | LOG | Server <-------------------- DUT |
| 0:00:31.951580 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a664, FOpts: ), FPort: 00, FRMPayload: 050868e28c), MIC: 6411bff8) |
| 0:00:31.951580 | LOG | PULL\_RESP: Protocol version = 02, Token = 5401, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 208926562, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AZKYA4RKnGj9kEb/4'}} |
| 0:00:31.951580 | LOG | Server --------------------> DUT |
| 0:00:31.951580 | LOG | TX\_ACK: 02 5401 05 aa555a0000240409 |
| 0:00:36.751866 | LOG | PUSH\_ACK: 02 14d3 01 |
| 0:00:36.751866 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14d3, Identifier = 00, JSON = {'rxpk': [{'tmst': 212769554, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CXgMFB+AqSP1Pd/c='}]} |
| 0:00:36.751866 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 035e, FOpts: 0507), FPort: e0, FRMPayload: 02d0, MIC: fd4f77f7) |
| 0:00:36.751866 | LOG | Server <-------------------- DUT |
| 0:00:36.751866 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:36.751866 | LOG | Command Answer: 0507 |
| 0:00:36.761831 | LOG | Send ACK to DUT process starts |
| 0:00:36.761831 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a665, FOpts: ), FPort: , FRMPayload: ), MIC: 95b9a203) |
| 0:00:36.761831 | LOG | PULL\_RESP: Protocol version = 02, Token = cf94, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 213769554, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AZaaVuaID'}} |
| 0:00:36.761831 | LOG | Server --------------------> DUT |
| 0:00:36.761831 | LOG | Send ACK to DUT tested successfully |
| 0:00:36.771833 | LOG | MAC command communication completed |
| 0:00:36.771833 | LOG | Packet error rate (Unconfirmed) SF8BW125 process starts |
| 0:00:39.855858 | LOG | PULL\_DATA: 02 ae83 02 aa555a0000240409 |
| 0:00:39.855858 | LOG | PULL\_ACK: 02 ae83 04 |
| 0:00:41.622868 | LOG | PUSH\_ACK: 02 14d4 01 |
| 0:00:41.624985 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14d4, Identifier = 00, JSON = {'rxpk': [{'tmst': 217611932, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AXwPg/Vf6IaRU'}]} |
| 0:00:41.624985 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 035f, FOpts: ), FPort: e0, FRMPayload: 02d1, MIC: fa21a454) |
| 0:00:41.624985 | LOG | Server <-------------------- DUT |
| 0:00:41.624985 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a666, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: aebe9d07) |
| 0:00:41.624985 | LOG | PULL\_RESP: Protocol version = 02, Token = 0243, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 219611932, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AZqbgPF4bxocFingoQnV+6F4YDcE3r7Ub/GFoNS3z8a3felw8kdEAU0ZauwmD2YbRWn5FeIuIdIuuvp0H'}} |
| 0:00:41.624985 | LOG | Server --------------------> DUT |
| 0:00:41.624985 | LOG | TX\_ACK: 02 0243 05 aa555a0000240409 |
| 0:00:46.458382 | LOG | PUSH\_ACK: 02 14d5 01 |
| 0:00:46.460437 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14d5, Identifier = 00, JSON = {'rxpk': [{'tmst': 222454589, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AYAPgH5trxS+6'}]} |
| 0:00:46.460437 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0360, FOpts: ), FPort: e0, FRMPayload: 02d2, MIC: 6bc52fba) |
| 0:00:46.460437 | LOG | Server <-------------------- DUT |
| 0:00:46.460437 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a667, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 645413f1) |
| 0:00:46.460437 | LOG | PULL\_RESP: Protocol version = 02, Token = e57b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 224454589, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AZ6bgf0N7dgiU2/IQLkwsVBYeWjE0eKrxRheZoI38OB11s5fut4syUt2DFGDLA0Y4HKlmm3fzg4hkVBPx'}} |
| 0:00:46.460437 | LOG | Server --------------------> DUT |
| 0:00:46.460437 | LOG | TX\_ACK: 02 e57b 05 aa555a0000240409 |
| 0:00:49.966352 | LOG | PULL\_DATA: 02 d5a0 02 aa555a0000240409 |
| 0:00:49.966352 | LOG | PULL\_ACK: 02 d5a0 04 |
| 0:00:51.292552 | LOG | PUSH\_ACK: 02 14d6 01 |
| 0:00:51.292552 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14d6, Identifier = 00, JSON = {'rxpk': [{'tmst': 227297292, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AYQPgYFhZfHQY'}]} |
| 0:00:51.292552 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0361, FOpts: ), FPort: e0, FRMPayload: 02d3, MIC: 597c7418) |
| 0:00:51.292552 | LOG | Server <-------------------- DUT |
| 0:00:51.292552 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a668, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 6eff32e9) |
| 0:00:51.292552 | LOG | PULL\_RESP: Protocol version = 02, Token = ff5a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 229297292, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AaKbgWhCFacpPIZbWmzg2sNI82kH06AvPBSvl+2x1XTlPBdDnZ5htiSDUJFVO5KlwzdRCV6KqfOFu/zLp'}} |
| 0:00:51.292552 | LOG | Server --------------------> DUT |
| 0:00:51.292552 | LOG | TX\_ACK: 02 ff5a 05 aa555a0000240409 |
| 0:00:56.165283 | LOG | PUSH\_ACK: 02 14d8 01 |
| 0:00:56.165283 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14d8, Identifier = 00, JSON = {'rxpk': [{'tmst': 232139902, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AYgPgmkRsddeE'}]} |
| 0:00:56.165283 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0362, FOpts: ), FPort: e0, FRMPayload: 02d4, MIC: 6c75d784) |
| 0:00:56.165283 | LOG | Server <-------------------- DUT |
| 0:00:56.165283 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a669, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fb5962e0) |
| 0:00:56.165283 | LOG | PULL\_RESP: Protocol version = 02, Token = dfab, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 234139902, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Aaabgujg2pS+9byML1ODCsIvEhudmIfV/neJNRudgTeEo4r1u0CIUPzi2sSSKouscWAx/cZzruzP7WWLg'}} |
| 0:00:56.165283 | LOG | Server --------------------> DUT |
| 0:00:56.165283 | LOG | TX\_ACK: 02 dfab 05 aa555a0000240409 |
| 0:00:56.555284 | LOG | PUSH\_ACK: 02 14d9 01 |
| 0:00:56.555284 | LOG | MIC MISMATCH! |
| 0:00:56.555284 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14d9, Identifier = 00, JSON = {'rxpk': [{'tmst': 232541381, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': -1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': 'OFF', 'lsnr': -11.3, 'rssi': -86, 'size': 192, 'data': 'Qd5QtOWhE161/38sg+xMwszMlC2GkNGzC6ZvJ6mqc1dfInult+eBk3ZU8EntRxiEqKyGyBjRdxk8/1/1sQhBmAe80CnfbOmBAU1IT3i9I5QwKMtoEHlQ7EX/xe5Gu74GZ8/Btka90EGn8LD8dymt6ddLqmc29D08mZt+Z+MCtLc1JbKD3ni7SGcg/yURos+OWQkKKgVWtPNMgD6X2DQTaMQT5srhySaac1A2nHQDnH+E7kOwdc0u3rCsmOYI0L/M'}]} |
| 0:00:56.555284 | LOG | DATA: (MHDR: 41, MACPayload: (FHDR: (DevAddr: de50b4e5, FCtrl: a1, FCnt: 5e13, FOpts: b5), FPort: ff, FRMPayload: 311bfc84f1c840daf26252161ee648d36fbde8e4aa3c327937820ddcac4139de97991934a2b4c511cb843b9d9014e9167cd473408121a28f1bf5b1c4f49d96708df9b12ef8f87f4fe371edfde85053b7ff216529a3f1bc3c2db5730b7edb814ff21d83e3522d47a5eb8257ccd5fb86c487086edba0b38ee9e0c993cb0d091d4345b4afc9a8e06159fa5284ca278be6ea1f404e733621a983430c3332070faaacc1b27e4afc810ba0a45976dc7984330867de, MIC: 08d0bfcc) |
| 0:01:00.070698 | LOG | PULL\_DATA: 02 6b30 02 aa555a0000240409 |
| 0:01:00.070698 | LOG | PULL\_ACK: 02 6b30 04 |
| 0:01:01.004428 | LOG | PUSH\_ACK: 02 14da 01 |
| 0:01:01.004428 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14da, Identifier = 00, JSON = {'rxpk': [{'tmst': 236982588, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AYwPgADeP8vXQ'}]} |
| 0:01:01.004428 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0363, FOpts: ), FPort: e0, FRMPayload: 02d5, MIC: 8ff2f5d0) |
| 0:01:01.004428 | LOG | Server <-------------------- DUT |
| 0:01:01.004428 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a66a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 39546ef9) |
| 0:01:01.004428 | LOG | PULL\_RESP: Protocol version = 02, Token = d12e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 238982588, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Aaqbg0vv3BxwxQxVHBS9tWVq2LEpS5j6iYW2QhdgUxuITlk+5SuY/MBsA+6qutKSxaOMx5MIlgD45VG75'}} |
| 0:01:01.004428 | LOG | Server --------------------> DUT |
| 0:01:01.004428 | LOG | TX\_ACK: 02 d12e 05 aa555a0000240409 |
| 0:01:05.890656 | LOG | PUSH\_ACK: 02 14db 01 |
| 0:01:05.892714 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14db, Identifier = 00, JSON = {'rxpk': [{'tmst': 241865932, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AZAPgS7pHGN22'}]} |
| 0:01:05.892714 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0364, FOpts: ), FPort: e0, FRMPayload: 02d6, MIC: 4718ddb6) |
| 0:01:05.892714 | LOG | Server <-------------------- DUT |
| 0:01:05.892714 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a66b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 21e1a8fb) |
| 0:01:05.892714 | LOG | PULL\_RESP: Protocol version = 02, Token = b86d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 243865932, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Aa6bgy71fxy7LVwMobCpgFRVohBhZRPaasIU2uLL1IcOUqzIhvhTLi++g9bwBn9Oo5uEaYBVYMdsh4aj7'}} |
| 0:01:05.892714 | LOG | Server --------------------> DUT |
| 0:01:05.892714 | LOG | TX\_ACK: 02 b86d 05 aa555a0000240409 |
| 0:01:10.186393 | LOG | PULL\_DATA: 02 627e 02 aa555a0000240409 |
| 0:01:10.186393 | LOG | PULL\_ACK: 02 627e 04 |
| 0:01:10.731722 | LOG | PUSH\_ACK: 02 14dc 01 |
| 0:01:10.733767 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14dc, Identifier = 00, JSON = {'rxpk': [{'tmst': 246708540, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AZQPgEQ94Cd+j'}]} |
| 0:01:10.733767 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0365, FOpts: ), FPort: e0, FRMPayload: 02d7, MIC: 7809dfa3) |
| 0:01:10.733767 | LOG | Server <-------------------- DUT |
| 0:01:10.733767 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a66c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e3fb0545) |
| 0:01:10.733767 | LOG | PULL\_RESP: Protocol version = 02, Token = 496a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 248708540, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AbKbg0QWQbOdFCnfD7Aj+ERQEVKvhKD+nsY4EMSvr/E84Pa+QTOD3GTW3yVCm/eH8gelicp0GRGLj+wVF'}} |
| 0:01:10.733767 | LOG | Server --------------------> DUT |
| 0:01:10.733767 | LOG | TX\_ACK: 02 496a 05 aa555a0000240409 |
| 0:01:15.557070 | LOG | PUSH\_ACK: 02 14dd 01 |
| 0:01:15.559133 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14dd, Identifier = 00, JSON = {'rxpk': [{'tmst': 251551174, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AZgPgXow/o8EX'}]} |
| 0:01:15.559133 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0366, FOpts: ), FPort: e0, FRMPayload: 02d8, MIC: 3fa3c117) |
| 0:01:15.559133 | LOG | Server <-------------------- DUT |
| 0:01:15.559133 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a66d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b9cd5e2d) |
| 0:01:15.559133 | LOG | PULL\_RESP: Protocol version = 02, Token = 9bdb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 253551174, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Ababg4wWpeV6MmPOj6nQVxQ+B4NS3vcscZgjl9dvcS9B230cxaii5HptDEsbu8cXjIzJkuBD+qiO5zV4t'}} |
| 0:01:15.559133 | LOG | Server --------------------> DUT |
| 0:01:15.559133 | LOG | TX\_ACK: 02 9bdb 05 aa555a0000240409 |
| 0:01:20.265333 | LOG | PULL\_DATA: 02 850d 02 aa555a0000240409 |
| 0:01:20.265333 | LOG | PULL\_ACK: 02 850d 04 |
| 0:01:20.354440 | LOG | PUSH\_ACK: 02 14de 01 |
| 0:01:20.356502 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14de, Identifier = 00, JSON = {'rxpk': [{'tmst': 256393830, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AZwPgX2wK6diz'}]} |
| 0:01:20.356502 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0367, FOpts: ), FPort: e0, FRMPayload: 02d9, MIC: 0ae9d8b3) |
| 0:01:20.356502 | LOG | Server <-------------------- DUT |
| 0:01:20.356502 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a66e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fce9182e) |
| 0:01:20.356502 | LOG | PULL\_RESP: Protocol version = 02, Token = 6c29, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 258393830, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AbqbgbHavNw60PDZjCkHsxUxpJn7ofoDXcDj2oZcAgUH5RfzrGTq37wiA7HIgd+tDwivcHXbzcXf86Rgu'}} |
| 0:01:20.356502 | LOG | Server --------------------> DUT |
| 0:01:20.356502 | LOG | TX\_ACK: 02 6c29 05 aa555a0000240409 |
| 0:01:25.273169 | LOG | PUSH\_ACK: 02 14e0 01 |
| 0:01:25.273169 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14e0, Identifier = 00, JSON = {'rxpk': [{'tmst': 261236678, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AaAPgzxhvi84x'}]} |
| 0:01:25.273169 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0368, FOpts: ), FPort: e0, FRMPayload: 02da, MIC: 6f8bce31) |
| 0:01:25.273169 | LOG | Server <-------------------- DUT |
| 0:01:25.273169 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a66f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 94b580b0) |
| 0:01:25.273169 | LOG | PULL\_RESP: Protocol version = 02, Token = 7342, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 263236678, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Ab6bg7csB9yXy/C9kAWNaRsM7vCNpytzEZJ7mF0Ogz2sxY9l02ldATeQw7NfNIZ47dbnYzQeEn7GUtYCw'}} |
| 0:01:25.273169 | LOG | Server --------------------> DUT |
| 0:01:25.273169 | LOG | TX\_ACK: 02 7342 05 aa555a0000240409 |
| 0:01:30.090972 | LOG | PUSH\_ACK: 02 14e1 01 |
| 0:01:30.090972 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14e1, Identifier = 00, JSON = {'rxpk': [{'tmst': 266079262, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AaQPgcUk7/nn8'}]} |
| 0:01:30.090972 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0369, FOpts: ), FPort: e0, FRMPayload: 02db, MIC: 3bfe79fc) |
| 0:01:30.090972 | LOG | Server <-------------------- DUT |
| 0:01:30.090972 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a670, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ac04fea7) |
| 0:01:30.090972 | LOG | PULL\_RESP: Protocol version = 02, Token = a452, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 268079262, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AcKbglzdahGeQyRg3jHLaZGF19mhs2z9RUjOoabKsFob/DMFDnxlBJFMoTK/jXGbf3iEo07UEigSsBP6n'}} |
| 0:01:30.090972 | LOG | Server --------------------> DUT |
| 0:01:30.090972 | LOG | TX\_ACK: 02 a452 05 aa555a0000240409 |
| 0:01:30.301010 | LOG | PULL\_DATA: 02 8fe7 02 aa555a0000240409 |
| 0:01:30.301010 | LOG | PULL\_ACK: 02 8fe7 04 |
| 0:01:34.881228 | LOG | PUSH\_ACK: 02 14e2 01 |
| 0:01:34.881228 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14e2, Identifier = 00, JSON = {'rxpk': [{'tmst': 270921901, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AagPg1Ec0Ejvz'}]} |
| 0:01:34.881228 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 036a, FOpts: ), FPort: e0, FRMPayload: 02dc, MIC: 34123bf3) |
| 0:01:34.881228 | LOG | Server <-------------------- DUT |
| 0:01:34.881228 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a671, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3e360404) |
| 0:01:34.881228 | LOG | PULL\_RESP: Protocol version = 02, Token = 27c5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 272921901, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AcabgJNM58Yt9jDZ6QoBahSGhFNgRPXJibLJvJB3IBj5G893RPbRoVLNIEuoRV0v4VPJSXNDb3qE+NgQE'}} |
| 0:01:34.881228 | LOG | Server --------------------> DUT |
| 0:01:34.881228 | LOG | TX\_ACK: 02 27c5 05 aa555a0000240409 |
| 0:01:39.795197 | LOG | PUSH\_ACK: 02 14e3 01 |
| 0:01:39.797264 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14e3, Identifier = 00, JSON = {'rxpk': [{'tmst': 275764524, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AawPgNXscvwF2'}]} |
| 0:01:39.797264 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 036b, FOpts: ), FPort: e0, FRMPayload: 02dd, MIC: 1cbf0176) |
| 0:01:39.797264 | LOG | Server <-------------------- DUT |
| 0:01:39.797264 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a672, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 79b119e7) |
| 0:01:39.797264 | LOG | PULL\_RESP: Protocol version = 02, Token = 2d5f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 277764524, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Acqbgnz8dnv7S1PWP2gp+57AurVo1zsEMRkxtkAaddugnRZ+bZUV0ucaBWr1umGaWVOb+0u/0Qwh5sRnn'}} |
| 0:01:39.797264 | LOG | Server --------------------> DUT |
| 0:01:39.797264 | LOG | TX\_ACK: 02 2d5f 05 aa555a0000240409 |
| 0:01:40.425315 | LOG | PULL\_DATA: 02 b676 02 aa555a0000240409 |
| 0:01:40.425315 | LOG | PULL\_ACK: 02 b676 04 |
| 0:01:44.653623 | LOG | PUSH\_ACK: 02 14e4 01 |
| 0:01:44.653623 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14e4, Identifier = 00, JSON = {'rxpk': [{'tmst': 280647621, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AbAPgn/QwswdL'}]} |
| 0:01:44.653623 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 036c, FOpts: ), FPort: e0, FRMPayload: 02de, MIC: 30b3074b) |
| 0:01:44.653623 | LOG | Server <-------------------- DUT |
| 0:01:44.653623 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a673, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 71b876f8) |
| 0:01:44.653623 | LOG | PULL\_RESP: Protocol version = 02, Token = 5e13, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 282647621, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Ac6bgr/8TQgMTzzXj69Xw94IDQzoRq9VDBtQhlWRyd5N4x6Oz0VhYXN9kAWcNl+Kc3v3DglQ6MeVxuHb4'}} |
| 0:01:44.653623 | LOG | Server --------------------> DUT |
| 0:01:44.653623 | LOG | TX\_ACK: 02 5e13 05 aa555a0000240409 |
| 0:01:49.460568 | LOG | PUSH\_ACK: 02 14e5 01 |
| 0:01:49.462885 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14e5, Identifier = 00, JSON = {'rxpk': [{'tmst': 285490173, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AbQPg3aj8OOdD'}]} |
| 0:01:49.462885 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 036d, FOpts: ), FPort: e0, FRMPayload: 02df, MIC: fc38e743) |
| 0:01:49.462885 | LOG | Server <-------------------- DUT |
| 0:01:49.462885 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a674, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9d921978) |
| 0:01:49.462885 | LOG | PULL\_RESP: Protocol version = 02, Token = 6917, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 287490173, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AdKbgokeMRjoFhzbGSk6N2OWX3VktyWUn771HdRhyGj5wqd3qrzyiUJj6STPGq6wInm+t/CkunsCdkhl4'}} |
| 0:01:49.462885 | LOG | Server --------------------> DUT |
| 0:01:49.462885 | LOG | TX\_ACK: 02 6917 05 aa555a0000240409 |
| 0:01:50.495189 | LOG | PULL\_DATA: 02 9b32 02 aa555a0000240409 |
| 0:01:50.495189 | LOG | PULL\_ACK: 02 9b32 04 |
| 0:01:54.290195 | LOG | PUSH\_ACK: 02 14e7 01 |
| 0:01:54.290195 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14e7, Identifier = 00, JSON = {'rxpk': [{'tmst': 290332774, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AbgPgalUCDyrE'}]} |
| 0:01:54.290195 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 036e, FOpts: ), FPort: e0, FRMPayload: 02e0, MIC: 020f2ac4) |
| 0:01:54.290195 | LOG | Server <-------------------- DUT |
| 0:01:54.290195 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a675, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 31e39426) |
| 0:01:54.290195 | LOG | PULL\_RESP: Protocol version = 02, Token = c808, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 292332774, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Adabg/c2rsbG3NtAmb2zVIbvv24MGYKUTQ6PbxJ3vq/g+R+SB0AQNRDP6NZCbgUA8jQS30B8Xxb8x45Qm'}} |
| 0:01:54.290195 | LOG | Server --------------------> DUT |
| 0:01:54.290195 | LOG | TX\_ACK: 02 c808 05 aa555a0000240409 |
| 0:01:59.192090 | LOG | PUSH\_ACK: 02 14e8 01 |
| 0:01:59.194293 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14e8, Identifier = 00, JSON = {'rxpk': [{'tmst': 295175363, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AbwPgYE0ruJwa'}]} |
| 0:01:59.194293 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 036f, FOpts: ), FPort: e0, FRMPayload: 02e1, MIC: 2bb89c1a) |
| 0:01:59.194293 | LOG | Server <-------------------- DUT |
| 0:01:59.194293 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a676, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b5e6fd18) |
| 0:01:59.194293 | LOG | PULL\_RESP: Protocol version = 02, Token = ca34, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 297175363, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Adqbghke8YKcrVuPtKXsW2Mzq64yTF860A9F7eQttSb/I22/+dv6jGbC4Iyvk4BhIAeHgN0U2sCa15v0Y'}} |
| 0:01:59.194293 | LOG | Server --------------------> DUT |
| 0:01:59.194293 | LOG | TX\_ACK: 02 ca34 05 aa555a0000240409 |
| 0:02:00.662304 | LOG | PULL\_DATA: 02 c8a4 02 aa555a0000240409 |
| 0:02:00.662304 | LOG | PULL\_ACK: 02 c8a4 04 |
| 0:02:04.001848 | LOG | PUSH\_ACK: 02 14e9 01 |
| 0:02:04.003932 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14e9, Identifier = 00, JSON = {'rxpk': [{'tmst': 300018006, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AcAPgNzhtWWs3'}]} |
| 0:02:04.003932 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0370, FOpts: ), FPort: e0, FRMPayload: 02e2, MIC: 6d596b37) |
| 0:02:04.003932 | LOG | Server <-------------------- DUT |
| 0:02:04.003932 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a677, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8d87f4d5) |
| 0:02:04.003932 | LOG | PULL\_RESP: Protocol version = 02, Token = bcac, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 302018006, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Ad6bgE2KLG+4OEcGdRRDt/3slzun4srEpRXBWZNTBI9E3ih69EKy/xp62BGA3DOUFoi+LODzjueGNh/TV'}} |
| 0:02:04.003932 | LOG | Server --------------------> DUT |
| 0:02:04.003932 | LOG | TX\_ACK: 02 bcac 05 aa555a0000240409 |
| 0:02:08.853869 | LOG | PUSH\_ACK: 02 14ea 01 |
| 0:02:08.855891 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14ea, Identifier = 00, JSON = {'rxpk': [{'tmst': 304860558, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AcQPgXF4Y3bgJ'}]} |
| 0:02:08.855891 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0371, FOpts: ), FPort: e0, FRMPayload: 02e3, MIC: 18ddb809) |
| 0:02:08.855891 | LOG | Server <-------------------- DUT |
| 0:02:08.855891 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a678, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8c4e77ec) |
| 0:02:08.855891 | LOG | PULL\_RESP: Protocol version = 02, Token = b309, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 306860558, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AeKbgofT0xMxYXAU6mEbjUz0uw0ooY1e4jcpzmSDqPs4L8dBwqw1JU276wSbM5EiWlcVFuMsEms+MTnfs'}} |
| 0:02:08.855891 | LOG | Server --------------------> DUT |
| 0:02:08.855891 | LOG | TX\_ACK: 02 b309 05 aa555a0000240409 |
| 0:02:10.714336 | LOG | PULL\_DATA: 02 2789 02 aa555a0000240409 |
| 0:02:10.714336 | LOG | PULL\_ACK: 02 2789 04 |
| 0:02:13.689880 | LOG | PUSH\_ACK: 02 14eb 01 |
| 0:02:13.689880 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14eb, Identifier = 00, JSON = {'rxpk': [{'tmst': 309703150, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AcgPgNI2fze3M'}]} |
| 0:02:13.689880 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0372, FOpts: ), FPort: e0, FRMPayload: 02e4, MIC: 9fcdedcc) |
| 0:02:13.689880 | LOG | Server <-------------------- DUT |
| 0:02:13.689880 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a679, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 04984f1d) |
| 0:02:13.689880 | LOG | PULL\_RESP: Protocol version = 02, Token = c63b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 311703150, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AeabgPozkC2y7It88RQUx2rOFVcnIS4b2xnmgv0mOKuTZw3lutbfXRQpjFWM3a189NMbr9NMd0oQEmE8d'}} |
| 0:02:13.689880 | LOG | Server --------------------> DUT |
| 0:02:13.689880 | LOG | TX\_ACK: 02 c63b 05 aa555a0000240409 |
| 0:02:18.560892 | LOG | PUSH\_ACK: 02 14ec 01 |
| 0:02:18.562937 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14ec, Identifier = 00, JSON = {'rxpk': [{'tmst': 314545925, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AcwPgG87BKc6p'}]} |
| 0:02:18.562937 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0373, FOpts: ), FPort: e0, FRMPayload: 02e5, MIC: c129cea9) |
| 0:02:18.562937 | LOG | Server <-------------------- DUT |
| 0:02:18.562937 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a67a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c42113b1) |
| 0:02:18.562937 | LOG | PULL\_RESP: Protocol version = 02, Token = 1ee4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 316545925, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AeqbgazYg2r7tJDDozo7V4n1WVSS+sPpVI1R8z0wRktsleqeStPFGY6Rp3ExYRXCoUOAj+WYY3ovEIROx'}} |
| 0:02:18.562937 | LOG | Server --------------------> DUT |
| 0:02:18.562937 | LOG | TX\_ACK: 02 1ee4 05 aa555a0000240409 |
| 0:02:20.853886 | LOG | PULL\_DATA: 02 1024 02 aa555a0000240409 |
| 0:02:20.853886 | LOG | PULL\_ACK: 02 1024 04 |
| 0:02:23.452620 | LOG | PUSH\_ACK: 02 14ee 01 |
| 0:02:23.454663 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14ee, Identifier = 00, JSON = {'rxpk': [{'tmst': 319428927, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AdAPgHV8+en6f'}]} |
| 0:02:23.454663 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0374, FOpts: ), FPort: e0, FRMPayload: 02e6, MIC: 3e7a7e9f) |
| 0:02:23.454663 | LOG | Server <-------------------- DUT |
| 0:02:23.454663 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a67b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f7b28445) |
| 0:02:23.454663 | LOG | PULL\_RESP: Protocol version = 02, Token = 0c82, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 321428927, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Ae6bg7IWQzVjB/vQPuhzTmn3bmZMcf3Tv+x1uyu9anYH4GAqKx2A6I+x1Iz9HKPRs8v9UZataeJ73soRF'}} |
| 0:02:23.454663 | LOG | Server --------------------> DUT |
| 0:02:23.454663 | LOG | TX\_ACK: 02 0c82 05 aa555a0000240409 |
| 0:02:28.298440 | LOG | PUSH\_ACK: 02 14ef 01 |
| 0:02:28.298440 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14ef, Identifier = 00, JSON = {'rxpk': [{'tmst': 324271534, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AdQPg3A3pHFEC'}]} |
| 0:02:28.298440 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0375, FOpts: ), FPort: e0, FRMPayload: 02e7, MIC: e91c5102) |
| 0:02:28.298440 | LOG | Server <-------------------- DUT |
| 0:02:28.298440 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a67c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: af118310) |
| 0:02:28.298440 | LOG | PULL\_RESP: Protocol version = 02, Token = b451, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 326271534, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AfKbg/o0i9DgXCIXVolQHAb+zlgrMO1FZo1PxERCsXPU/HEiZJSA2Tdqw6/rbCEQXCM+z1GSqY6qvEYMQ'}} |
| 0:02:28.298440 | LOG | Server --------------------> DUT |
| 0:02:28.298440 | LOG | TX\_ACK: 02 b451 05 aa555a0000240409 |
| 0:02:30.958167 | LOG | PULL\_DATA: 02 e0f8 02 aa555a0000240409 |
| 0:02:30.958167 | LOG | PULL\_ACK: 02 e0f8 04 |
| 0:02:33.148601 | LOG | PUSH\_ACK: 02 14f0 01 |
| 0:02:33.148601 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14f0, Identifier = 00, JSON = {'rxpk': [{'tmst': 329114150, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AdgPgL3/YzOXJ'}]} |
| 0:02:33.148601 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0376, FOpts: ), FPort: e0, FRMPayload: 02e8, MIC: d8cce5c9) |
| 0:02:33.148601 | LOG | Server <-------------------- DUT |
| 0:02:33.148601 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a67d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9b1502a6) |
| 0:02:33.148601 | LOG | PULL\_RESP: Protocol version = 02, Token = 7d69, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 331114150, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AfabgmjYoX3f2xKdTC84CE2y5g0/QLIrlm1dUHAkcD+wNLoENAgZf96o2A5ZbzE8R5nQks0xUYA+bFQKm'}} |
| 0:02:33.148601 | LOG | Server --------------------> DUT |
| 0:02:33.148601 | LOG | TX\_ACK: 02 7d69 05 aa555a0000240409 |
| 0:02:37.912332 | LOG | PUSH\_ACK: 02 14f1 01 |
| 0:02:37.914393 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14f1, Identifier = 00, JSON = {'rxpk': [{'tmst': 333956717, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AdwPg2vBDENmH'}]} |
| 0:02:37.914393 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0377, FOpts: ), FPort: e0, FRMPayload: 02e9, MIC: 4310d987) |
| 0:02:37.914393 | LOG | Server <-------------------- DUT |
| 0:02:37.914393 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a67e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5b088b28) |
| 0:02:37.914393 | LOG | PULL\_RESP: Protocol version = 02, Token = edae, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 335956717, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Afqbglx9JGEmbdKr+qxIdDQyidmZc1h9KA6frFQE+k+ptBwjreutD4P0Ibpp8GUwxR/pwSflWxFxbCIso'}} |
| 0:02:37.914393 | LOG | Server --------------------> DUT |
| 0:02:37.914393 | LOG | TX\_ACK: 02 edae 05 aa555a0000240409 |
| 0:02:40.990983 | LOG | PULL\_DATA: 02 3987 02 aa555a0000240409 |
| 0:02:40.990983 | LOG | PULL\_ACK: 02 3987 04 |
| 0:02:42.773333 | LOG | PUSH\_ACK: 02 14f2 01 |
| 0:02:42.775382 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14f2, Identifier = 00, JSON = {'rxpk': [{'tmst': 338799294, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AeAPgY4h64TiQ'}]} |
| 0:02:42.775382 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0378, FOpts: ), FPort: e0, FRMPayload: 02ea, MIC: 7ae13890) |
| 0:02:42.775382 | LOG | Server <-------------------- DUT |
| 0:02:42.775382 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a67f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f2517cf7) |
| 0:02:42.775382 | LOG | PULL\_RESP: Protocol version = 02, Token = 236c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 340799294, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Af6bgUX9fzu2F/hrQ9AzSBPpSTsWOeRh1ZU7zxfxpYrrV8E9OtlxZ/bMdXldYKLR5pv26gl7jZ4byUXz3'}} |
| 0:02:42.775382 | LOG | Server --------------------> DUT |
| 0:02:42.775382 | LOG | TX\_ACK: 02 236c 05 aa555a0000240409 |
| 0:02:47.662495 | LOG | PUSH\_ACK: 02 14f3 01 |
| 0:02:47.664549 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14f3, Identifier = 00, JSON = {'rxpk': [{'tmst': 343641854, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AeQPgfGC4fEj3'}]} |
| 0:02:47.664549 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0379, FOpts: ), FPort: e0, FRMPayload: 02eb, MIC: b87c48f7) |
| 0:02:47.664549 | LOG | Server <-------------------- DUT |
| 0:02:47.664549 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a680, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d49e9bed) |
| 0:02:47.664549 | LOG | PULL\_RESP: Protocol version = 02, Token = bf48, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 345641854, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AgKbgLbxn6eaUqxXL/QFx0iIFGbI8ZoD8nvJcNih7xcHvxxiqE98w2LQTZrvm0MLcOX7MDPPMiRXUnpvt'}} |
| 0:02:47.664549 | LOG | Server --------------------> DUT |
| 0:02:47.664549 | LOG | TX\_ACK: 02 bf48 05 aa555a0000240409 |
| 0:02:51.156729 | LOG | PULL\_DATA: 02 5dc5 02 aa555a0000240409 |
| 0:02:51.156729 | LOG | PULL\_ACK: 02 5dc5 04 |
| 0:02:52.441958 | LOG | PUSH\_ACK: 02 14f4 01 |
| 0:02:52.443976 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14f4, Identifier = 00, JSON = {'rxpk': [{'tmst': 348484430, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AegPgigkL9AgH'}]} |
| 0:02:52.443976 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 037a, FOpts: ), FPort: e0, FRMPayload: 02ec, MIC: 0bf40807) |
| 0:02:52.443976 | LOG | Server <-------------------- DUT |
| 0:02:52.443976 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a681, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 90c8a542) |
| 0:02:52.443976 | LOG | PULL\_RESP: Protocol version = 02, Token = 0e9a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 350484430, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AgabgD73goq2obhW2HXBQVpe/B9Jmmijh/NYvHauL4HSzwRjtBluZ3R1MO8DdjDTFX1om+HONjfiQyKVC'}} |
| 0:02:52.443976 | LOG | Server --------------------> DUT |
| 0:02:52.443976 | LOG | TX\_ACK: 02 0e9a 05 aa555a0000240409 |
| 0:02:57.334130 | LOG | PUSH\_ACK: 02 14f6 01 |
| 0:02:57.334130 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14f6, Identifier = 00, JSON = {'rxpk': [{'tmst': 353327191, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AewPgVnpO+kam'}]} |
| 0:02:57.334130 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 037b, FOpts: ), FPort: e0, FRMPayload: 02ed, MIC: 4efa46a6) |
| 0:02:57.334130 | LOG | Server <-------------------- DUT |
| 0:02:57.334130 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a682, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: af5a3632) |
| 0:02:57.334130 | LOG | PULL\_RESP: Protocol version = 02, Token = fbf2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 355327191, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AgqbgDtc5L1vdrwf3cBuUNznXrpObSTtCHaD6KTxrBDApdKrDfW14Hu108NSDVyagWsxOfwmkqlKvWjYy'}} |
| 0:02:57.334130 | LOG | Server --------------------> DUT |
| 0:02:57.334130 | LOG | TX\_ACK: 02 fbf2 05 aa555a0000240409 |
| 0:03:01.222082 | LOG | PULL\_DATA: 02 435c 02 aa555a0000240409 |
| 0:03:01.222082 | LOG | PULL\_ACK: 02 435c 04 |
| 0:03:02.216982 | LOG | PUSH\_ACK: 02 14f7 01 |
| 0:03:02.216982 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14f7, Identifier = 00, JSON = {'rxpk': [{'tmst': 358210296, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AfAPgrDQjJT9m'}]} |
| 0:03:02.216982 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 037c, FOpts: ), FPort: e0, FRMPayload: 02ee, MIC: 23253f66) |
| 0:03:02.216982 | LOG | Server <-------------------- DUT |
| 0:03:02.216982 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a683, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 572d5fe8) |
| 0:03:02.216982 | LOG | PULL\_RESP: Protocol version = 02, Token = ebff, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 360210296, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Ag6bgr4HF6RhtSKbFnv9ZLerGjiyGLZ6W4qv1SDA5pW1MQaHEUtcxz6SYOszjkMVxk3tEmYv9cO5XLV/o'}} |
| 0:03:02.216982 | LOG | Server --------------------> DUT |
| 0:03:02.216982 | LOG | TX\_ACK: 02 ebff 05 aa555a0000240409 |
| 0:03:07.019675 | LOG | PUSH\_ACK: 02 14f8 01 |
| 0:03:07.019675 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14f8, Identifier = 00, JSON = {'rxpk': [{'tmst': 363052817, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AfQPgMkzpS2RS'}]} |
| 0:03:07.019675 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 037d, FOpts: ), FPort: e0, FRMPayload: 02ef, MIC: e94b6452) |
| 0:03:07.019675 | LOG | Server <-------------------- DUT |
| 0:03:07.019675 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a684, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: acafe376) |
| 0:03:07.019675 | LOG | PULL\_RESP: Protocol version = 02, Token = b83e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 365052817, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AhKbgzCWrVCirwT2OEa1+DcUdpIsqJMbohrii5OS9CKZXxMyIU/NMS68XN10e31GUKEXuu8chEC6sr+N2'}} |
| 0:03:07.019675 | LOG | Server --------------------> DUT |
| 0:03:07.019675 | LOG | TX\_ACK: 02 b83e 05 aa555a0000240409 |
| 0:03:11.353216 | LOG | PULL\_DATA: 02 4a00 02 aa555a0000240409 |
| 0:03:11.353216 | LOG | PULL\_ACK: 02 4a00 04 |
| 0:03:11.879657 | LOG | PUSH\_ACK: 02 14f9 01 |
| 0:03:11.881858 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14f9, Identifier = 00, JSON = {'rxpk': [{'tmst': 367895499, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AfgPgJ807e51K'}]} |
| 0:03:11.881858 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 037e, FOpts: ), FPort: e0, FRMPayload: 02f0, MIC: 3b7b9d4a) |
| 0:03:11.881858 | LOG | Server <-------------------- DUT |
| 0:03:11.881858 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a685, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: db3356ba) |
| 0:03:11.881858 | LOG | PULL\_RESP: Protocol version = 02, Token = b84c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 369895499, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AhabgtYDc8J7yXQVeGMZ538FFvSgEgw7EW64zIZDmxW/Y5+TSseVMs8NZBIGx+GcruE3b6O2NdSLbM1a6'}} |
| 0:03:11.881858 | LOG | Server --------------------> DUT |
| 0:03:11.881858 | LOG | TX\_ACK: 02 b84c 05 aa555a0000240409 |
| 0:03:16.716194 | LOG | PUSH\_ACK: 02 14fa 01 |
| 0:03:16.716194 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14fa, Identifier = 00, JSON = {'rxpk': [{'tmst': 372738284, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AfwPgXC6zsLhy'}]} |
| 0:03:16.716194 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 037f, FOpts: ), FPort: e0, FRMPayload: 02f1, MIC: b3b0b872) |
| 0:03:16.716194 | LOG | Server <-------------------- DUT |
| 0:03:16.716194 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a686, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: dc960112) |
| 0:03:16.716194 | LOG | PULL\_RESP: Protocol version = 02, Token = c531, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 374738284, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AhqbgOOPQXp8KoNM1cHh4ICjXO7zE6iGXa4QvHrW0VMUDiG6DpEIz14HVO7wT7BtbIHSquxob2YfclgES'}} |
| 0:03:16.716194 | LOG | Server --------------------> DUT |
| 0:03:16.716194 | LOG | TX\_ACK: 02 c531 05 aa555a0000240409 |
| 0:03:21.434069 | LOG | PULL\_DATA: 02 ca5b 02 aa555a0000240409 |
| 0:03:21.434069 | LOG | PULL\_ACK: 02 ca5b 04 |
| 0:03:21.604170 | LOG | PUSH\_ACK: 02 14fb 01 |
| 0:03:21.604170 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14fb, Identifier = 00, JSON = {'rxpk': [{'tmst': 377580867, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AgAPgj1pbtNSr'}]} |
| 0:03:21.604170 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0380, FOpts: ), FPort: e0, FRMPayload: 02f2, MIC: 5bb4d4ab) |
| 0:03:21.604170 | LOG | Server <-------------------- DUT |
| 0:03:21.604170 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a687, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0343711e) |
| 0:03:21.604170 | LOG | PULL\_RESP: Protocol version = 02, Token = 721e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 379580867, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Ah6bguykeOF05ZVknYL0NjYW0tGpQWZvGQSS4+WTJO8LNBt7Aw6ISan9cxzzMigiX/1RR6DQbLscDQ3Ee'}} |
| 0:03:21.604170 | LOG | Server --------------------> DUT |
| 0:03:21.604170 | LOG | TX\_ACK: 02 721e 05 aa555a0000240409 |
| 0:03:26.456376 | LOG | PUSH\_ACK: 02 14fd 01 |
| 0:03:26.458394 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14fd, Identifier = 00, JSON = {'rxpk': [{'tmst': 382423475, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AgQPgFGdpqtEW'}]} |
| 0:03:26.458394 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0381, FOpts: ), FPort: e0, FRMPayload: 02f3, MIC: 69aad116) |
| 0:03:26.458394 | LOG | Server <-------------------- DUT |
| 0:03:26.458394 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a688, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f4c7f850) |
| 0:03:26.458394 | LOG | PULL\_RESP: Protocol version = 02, Token = 9b91, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 384423475, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AiKbgrwITmcc599ECudqDM+SiuKtSBz3R3iGRoy/GDZAH+10YRRIaYhL5ZJMX1okvenhfETju3V/0x/hQ'}} |
| 0:03:26.458394 | LOG | Server --------------------> DUT |
| 0:03:26.458394 | LOG | TX\_ACK: 02 9b91 05 aa555a0000240409 |
| 0:03:31.273635 | LOG | PUSH\_ACK: 02 14fe 01 |
| 0:03:31.275687 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14fe, Identifier = 00, JSON = {'rxpk': [{'tmst': 387266045, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AggPgb1ufTE8E'}]} |
| 0:03:31.275687 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0382, FOpts: ), FPort: e0, FRMPayload: 02f4, MIC: 9f4c4f04) |
| 0:03:31.275687 | LOG | Server <-------------------- DUT |
| 0:03:31.275687 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a689, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: cd20be76) |
| 0:03:31.275687 | LOG | PULL\_RESP: Protocol version = 02, Token = 69a0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 389266045, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AiabgD9eYW9rW62qOKhJNGCXyrOaOhOwYENu2NnhlU0b0a4XIqfBzoEl8IUXqDj9YPLaugaUDevTNIL52'}} |
| 0:03:31.275687 | LOG | Server --------------------> DUT |
| 0:03:31.275687 | LOG | TX\_ACK: 02 69a0 05 aa555a0000240409 |
| 0:03:31.493777 | LOG | PULL\_DATA: 02 c75a 02 aa555a0000240409 |
| 0:03:31.493777 | LOG | PULL\_ACK: 02 c75a 04 |
| 0:03:36.108280 | LOG | PUSH\_ACK: 02 14ff 01 |
| 0:03:36.110339 | LOG | PUSH\_DATA: Protocol version = 02, Token = 14ff, Identifier = 00, JSON = {'rxpk': [{'tmst': 392108604, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AgwPg+OvIeCE1'}]} |
| 0:03:36.110339 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0383, FOpts: ), FPort: e0, FRMPayload: 02f5, MIC: c8782135) |
| 0:03:36.110339 | LOG | Server <-------------------- DUT |
| 0:03:36.110339 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a68a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5bfb27fe) |
| 0:03:36.110339 | LOG | PULL\_RESP: Protocol version = 02, Token = 05b2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 394108604, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AiqbgqQScq4I2PTCvpOCvVYisoOyaEOds+jmD9HdpAhy5bKCdleaOPCdq9koB8LTJASKwdWzV4WBb+yf+'}} |
| 0:03:36.110339 | LOG | Server --------------------> DUT |
| 0:03:36.110339 | LOG | TX\_ACK: 02 05b2 05 aa555a0000240409 |
| 0:03:41.002821 | LOG | PUSH\_ACK: 02 1500 01 |
| 0:03:41.002821 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1500, Identifier = 00, JSON = {'rxpk': [{'tmst': 396991702, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AhAPgZOUYVDEW'}]} |
| 0:03:41.002821 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0384, FOpts: ), FPort: e0, FRMPayload: 02f6, MIC: 18543116) |
| 0:03:41.002821 | LOG | Server <-------------------- DUT |
| 0:03:41.002821 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a68b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fd708642) |
| 0:03:41.002821 | LOG | PULL\_RESP: Protocol version = 02, Token = 67ab, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 398991702, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Ai6bgSKB+ELh2OtYNMLrYNE8A6F1Li6FrL7YoPTKF78xV//1XFTqE//xCJLz1YbCgTSulJP+zMnD9cIZC'}} |
| 0:03:41.002821 | LOG | Server --------------------> DUT |
| 0:03:41.002821 | LOG | TX\_ACK: 02 67ab 05 aa555a0000240409 |
| 0:03:41.630862 | LOG | PULL\_DATA: 02 8ce3 02 aa555a0000240409 |
| 0:03:41.630862 | LOG | PULL\_ACK: 02 8ce3 04 |
| 0:03:45.843699 | LOG | PUSH\_ACK: 02 1501 01 |
| 0:03:45.843699 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1501, Identifier = 00, JSON = {'rxpk': [{'tmst': 401834246, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AhQPgRjvwp5nS'}]} |
| 0:03:45.843699 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0385, FOpts: ), FPort: e0, FRMPayload: 02f7, MIC: f0a799d2) |
| 0:03:45.843699 | LOG | Server <-------------------- DUT |
| 0:03:45.843699 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a68c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 828f3fbb) |
| 0:03:45.843699 | LOG | PULL\_RESP: Protocol version = 02, Token = 4355, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 403834246, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AjKbg2q7B6OWy4yFG0xM9byes3v+OKAW6TEjjzqEUcQAVp5G8ehT4n/QeZwB1pxAXP9v+VGBE/NWCjz+7'}} |
| 0:03:45.843699 | LOG | Server --------------------> DUT |
| 0:03:45.843699 | LOG | TX\_ACK: 02 4355 05 aa555a0000240409 |
| 0:03:50.661501 | LOG | PUSH\_ACK: 02 1502 01 |
| 0:03:50.663518 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1502, Identifier = 00, JSON = {'rxpk': [{'tmst': 406676816, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AhgPgaR4vqk/s'}]} |
| 0:03:50.663518 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0386, FOpts: ), FPort: e0, FRMPayload: 02f8, MIC: 2faa4fec) |
| 0:03:50.663518 | LOG | Server <-------------------- DUT |
| 0:03:50.663518 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a68d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8b25e00e) |
| 0:03:50.663518 | LOG | PULL\_RESP: Protocol version = 02, Token = 9062, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 408676816, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Ajabg2bl0We4U06kMFMqJfjVA3whtHM4SDFDuEjbBhR8z3qJmykadR4O1VX0a3ljv/2r8PsPUYwyLJeAO'}} |
| 0:03:50.663518 | LOG | Server --------------------> DUT |
| 0:03:50.663518 | LOG | TX\_ACK: 02 9062 05 aa555a0000240409 |
| 0:03:51.691890 | LOG | PULL\_DATA: 02 0b3b 02 aa555a0000240409 |
| 0:03:51.691890 | LOG | PULL\_ACK: 02 0b3b 04 |
| 0:03:55.484499 | LOG | PUSH\_ACK: 02 1504 01 |
| 0:03:55.486541 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1504, Identifier = 00, JSON = {'rxpk': [{'tmst': 411519537, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AhwPgI1rXwG/D'}]} |
| 0:03:55.486541 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0387, FOpts: ), FPort: e0, FRMPayload: 02f9, MIC: d7c06fc3) |
| 0:03:55.486541 | LOG | Server <-------------------- DUT |
| 0:03:55.486541 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a68e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4acca56b) |
| 0:03:55.486541 | LOG | PULL\_RESP: Protocol version = 02, Token = 187a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 413519537, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AjqbgX1pVimI/egcgt5QwUCh7wXasxaINCUrgjQIiDnxUSHo+okF0Y1GpEsFz2IFOl77q5yo+hLlKzKVr'}} |
| 0:03:55.486541 | LOG | Server --------------------> DUT |
| 0:03:55.486541 | LOG | TX\_ACK: 02 187a 05 aa555a0000240409 |
| 0:04:00.335334 | LOG | PUSH\_ACK: 02 1505 01 |
| 0:04:00.335334 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1505, Identifier = 00, JSON = {'rxpk': [{'tmst': 416362169, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AiAPgbYHhsucy'}]} |
| 0:04:00.338377 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0388, FOpts: ), FPort: e0, FRMPayload: 02fa, MIC: e1b2e732) |
| 0:04:00.338377 | LOG | Server <-------------------- DUT |
| 0:04:00.338377 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a68f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0f3f3b36) |
| 0:04:00.338377 | LOG | PULL\_RESP: Protocol version = 02, Token = 37f2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 418362169, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Aj6bg0Dl3Y4YcgC1s1eOpIg2FoZUh8kHHDJ5K+XBYnr4s/irZrNdfoxfgcuKJiqKUY9p/8+ch/KEPPzs2'}} |
| 0:04:00.338377 | LOG | Server --------------------> DUT |
| 0:04:00.338377 | LOG | TX\_ACK: 02 37f2 05 aa555a0000240409 |
| 0:04:01.796696 | LOG | PULL\_DATA: 02 26a7 02 aa555a0000240409 |
| 0:04:01.796696 | LOG | PULL\_ACK: 02 26a7 04 |
| 0:04:05.187358 | LOG | PUSH\_ACK: 02 1506 01 |
| 0:04:05.187358 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1506, Identifier = 00, JSON = {'rxpk': [{'tmst': 421204713, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AiQPgyU2ANKbE'}]} |
| 0:04:05.187358 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0389, FOpts: ), FPort: e0, FRMPayload: 02fb, MIC: 8034a6c4) |
| 0:04:05.187358 | LOG | Server <-------------------- DUT |
| 0:04:05.187358 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a690, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d2bb2f9b) |
| 0:04:05.187358 | LOG | PULL\_RESP: Protocol version = 02, Token = db62, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 423204713, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AkKbgaXSxofkSR3HYICF5jFElbzi2lmq8wCQoq+YFoy1la57c2+qzYheTipoCujL1MXlKC+zs17DSuy+b'}} |
| 0:04:05.187358 | LOG | Server --------------------> DUT |
| 0:04:05.187358 | LOG | TX\_ACK: 02 db62 05 aa555a0000240409 |
| 0:04:10.025746 | LOG | PUSH\_ACK: 02 1507 01 |
| 0:04:10.027799 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1507, Identifier = 00, JSON = {'rxpk': [{'tmst': 426047264, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -56, 'size': 15, 'data': 'QO++rd6AigPgIkC5kcFR'}]} |
| 0:04:10.027799 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 038a, FOpts: ), FPort: e0, FRMPayload: 02fc, MIC: b991c151) |
| 0:04:10.027799 | LOG | Server <-------------------- DUT |
| 0:04:10.027799 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a691, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e4a5ff6c) |
| 0:04:10.027799 | LOG | PULL\_RESP: Protocol version = 02, Token = 87a9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 428047264, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Akabg0Z1Pdwy4/piBvQED1ovNbAvCIWYKylEM9Dy5Qf8CWSeF7uF5cqjFWy9VVIK6DiRxZqNis4vkpf9s'}} |
| 0:04:10.027799 | LOG | Server --------------------> DUT |
| 0:04:10.027799 | LOG | TX\_ACK: 02 87a9 05 aa555a0000240409 |
| 0:04:11.876462 | LOG | PULL\_DATA: 02 4d0e 02 aa555a0000240409 |
| 0:04:11.876462 | LOG | PULL\_ACK: 02 4d0e 04 |
| 0:04:14.867965 | LOG | PUSH\_ACK: 02 1508 01 |
| 0:04:14.867965 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1508, Identifier = 00, JSON = {'rxpk': [{'tmst': 430889863, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AiwPg5en4eXza'}]} |
| 0:04:14.867965 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 038b, FOpts: ), FPort: e0, FRMPayload: 02fd, MIC: f8797cda) |
| 0:04:14.867965 | LOG | Server <-------------------- DUT |
| 0:04:14.867965 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a692, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 291bc70e) |
| 0:04:14.867965 | LOG | PULL\_RESP: Protocol version = 02, Token = 3d8c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 432889863, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AkqbgpqEen4bP7reR0+H/pXkz9V1DNj8W5chaRAYRDtR6LA9baBrXPZpv0gB2cTogXi80XZ4cfM8pG8cO'}} |
| 0:04:14.867965 | LOG | Server --------------------> DUT |
| 0:04:14.867965 | LOG | TX\_ACK: 02 3d8c 05 aa555a0000240409 |
| 0:04:19.750802 | LOG | PUSH\_ACK: 02 1509 01 |
| 0:04:19.750802 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1509, Identifier = 00, JSON = {'rxpk': [{'tmst': 435772919, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AjAPgZVRlzs+G'}]} |
| 0:04:19.750802 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 038c, FOpts: ), FPort: e0, FRMPayload: 02fe, MIC: 65cecf86) |
| 0:04:19.750802 | LOG | Server <-------------------- DUT |
| 0:04:19.750802 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a693, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: dd164426) |
| 0:04:19.750802 | LOG | PULL\_RESP: Protocol version = 02, Token = da8c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 437772919, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Ak6bgQOHLSLiUVnQgkHkgFuP8CS6pbNJK1xLvKs5pLr674G1BEvrjguUIya91ZfMKZWJCBm57Nx7dFkQm'}} |
| 0:04:19.750802 | LOG | Server --------------------> DUT |
| 0:04:19.750802 | LOG | TX\_ACK: 02 da8c 05 aa555a0000240409 |
| 0:04:21.999295 | LOG | PULL\_DATA: 02 1ea4 02 aa555a0000240409 |
| 0:04:21.999295 | LOG | PULL\_ACK: 02 1ea4 04 |
| 0:04:24.600441 | LOG | PUSH\_ACK: 02 150b 01 |
| 0:04:24.602491 | LOG | PUSH\_DATA: Protocol version = 02, Token = 150b, Identifier = 00, JSON = {'rxpk': [{'tmst': 440615511, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AjQPgEGon8emx'}]} |
| 0:04:24.602491 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 038d, FOpts: ), FPort: e0, FRMPayload: 02ff, MIC: 27f1e9b1) |
| 0:04:24.602491 | LOG | Server <-------------------- DUT |
| 0:04:24.602491 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a694, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f6e5e6bd) |
| 0:04:24.602491 | LOG | PULL\_RESP: Protocol version = 02, Token = fd9e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 442615511, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AlKbg5W+2z/QhT48/x56kn0fx2ggj2JVpRWKtkpD2bvzQDmu/xCAG2nvi5G1uX8fDLyV6/MFiFzj25ea9'}} |
| 0:04:24.602491 | LOG | Server --------------------> DUT |
| 0:04:24.602491 | LOG | TX\_ACK: 02 fd9e 05 aa555a0000240409 |
| 0:04:29.454993 | LOG | PUSH\_ACK: 02 150c 01 |
| 0:04:29.457349 | LOG | PUSH\_DATA: Protocol version = 02, Token = 150c, Identifier = 00, JSON = {'rxpk': [{'tmst': 445458055, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AjgPgjtAHOO1s'}]} |
| 0:04:29.457349 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 038e, FOpts: ), FPort: e0, FRMPayload: 0300, MIC: 0738ed6c) |
| 0:04:29.457349 | LOG | Server <-------------------- DUT |
| 0:04:29.457349 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a695, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fbc2f192) |
| 0:04:29.457349 | LOG | PULL\_RESP: Protocol version = 02, Token = b0e6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 447458055, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AlabgrK5CAmm5o5Ym7QEcsD6gVmE012hs1jbD3nhsiASgky8swvrzAzitHRH3OdQU2OwwPale7V77wvGS'}} |
| 0:04:29.457349 | LOG | Server --------------------> DUT |
| 0:04:29.457349 | LOG | TX\_ACK: 02 b0e6 05 aa555a0000240409 |
| 0:04:32.127976 | LOG | PULL\_DATA: 02 e4e0 02 aa555a0000240409 |
| 0:04:32.127976 | LOG | PULL\_ACK: 02 e4e0 04 |
| 0:04:34.258956 | LOG | PUSH\_ACK: 02 150d 01 |
| 0:04:34.258956 | LOG | PUSH\_DATA: Protocol version = 02, Token = 150d, Identifier = 00, JSON = {'rxpk': [{'tmst': 450300648, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AjwPggEsUt8oh'}]} |
| 0:04:34.258956 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 038f, FOpts: ), FPort: e0, FRMPayload: 0301, MIC: 14b7ca21) |
| 0:04:34.258956 | LOG | Server <-------------------- DUT |
| 0:04:34.258956 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a696, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3146754a) |
| 0:04:34.258956 | LOG | PULL\_RESP: Protocol version = 02, Token = 57fb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 452300648, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AlqbgXwA06NBIlj6Zc+2cnuRu6Yr8iLPmfdSHh57QZ1ADtyhWELdZzPOTkgVytTvVBKX4gJGyNJQxRnVK'}} |
| 0:04:34.258956 | LOG | Server --------------------> DUT |
| 0:04:34.258956 | LOG | TX\_ACK: 02 57fb 05 aa555a0000240409 |
| 0:04:39.108461 | LOG | PUSH\_ACK: 02 150e 01 |
| 0:04:39.110592 | LOG | PUSH\_DATA: Protocol version = 02, Token = 150e, Identifier = 00, JSON = {'rxpk': [{'tmst': 455143198, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AkAPgLS9Wd6Mt'}]} |
| 0:04:39.110592 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0390, FOpts: ), FPort: e0, FRMPayload: 0302, MIC: 5677a32d) |
| 0:04:39.110592 | LOG | Server <-------------------- DUT |
| 0:04:39.110592 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a697, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7151c201) |
| 0:04:39.110592 | LOG | PULL\_RESP: Protocol version = 02, Token = 75a8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 457143198, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Al6bgNViSuOprIViLauj1svojWhkWGsO7lD5V8Rcpk32qUPFiOYtfmXUhe63sdGseblum1Zu/CYNxUcIB'}} |
| 0:04:39.110592 | LOG | Server --------------------> DUT |
| 0:04:39.110592 | LOG | TX\_ACK: 02 75a8 05 aa555a0000240409 |
| 0:04:42.186616 | LOG | PULL\_DATA: 02 2656 02 aa555a0000240409 |
| 0:04:42.186616 | LOG | PULL\_ACK: 02 2656 04 |
| 0:04:43.989824 | LOG | PUSH\_ACK: 02 150f 01 |
| 0:04:43.989824 | LOG | PUSH\_DATA: Protocol version = 02, Token = 150f, Identifier = 00, JSON = {'rxpk': [{'tmst': 459985790, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AkQPgFGWdF/m7'}]} |
| 0:04:43.992633 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0391, FOpts: ), FPort: e0, FRMPayload: 0303, MIC: 9d17f9bb) |
| 0:04:43.992633 | LOG | Server <-------------------- DUT |
| 0:04:43.992633 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a698, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3ce0430b) |
| 0:04:43.992633 | LOG | PULL\_RESP: Protocol version = 02, Token = 17f9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 461985790, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AmKbgeXBf4PGls2+b42T4cFds4oJHI3V4EIGTEqhJX9d2zcA0fhTVWvNWwXckPBtPXxMOkHpfd8w84EML'}} |
| 0:04:43.992633 | LOG | Server --------------------> DUT |
| 0:04:43.992633 | LOG | TX\_ACK: 02 17f9 05 aa555a0000240409 |
| 0:04:48.822737 | LOG | PUSH\_ACK: 02 1510 01 |
| 0:04:48.824786 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1510, Identifier = 00, JSON = {'rxpk': [{'tmst': 464828560, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AkgPg3SS0UUVo'}]} |
| 0:04:48.824786 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0392, FOpts: ), FPort: e0, FRMPayload: 0304, MIC: b4514568) |
| 0:04:48.824786 | LOG | Server <-------------------- DUT |
| 0:04:48.824786 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a699, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 19d2978e) |
| 0:04:48.824786 | LOG | PULL\_RESP: Protocol version = 02, Token = 4835, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 466828560, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AmabgrYvFJ0tsztdkchKK1ZeocWf4QmtcFdO/xLLtSnf2C+J/MowGLo19qKHUGOohR7y3tKT7/ZsZ0peO'}} |
| 0:04:48.824786 | LOG | Server --------------------> DUT |
| 0:04:48.824786 | LOG | TX\_ACK: 02 4835 05 aa555a0000240409 |
| 0:04:52.323295 | LOG | PULL\_DATA: 02 ad29 02 aa555a0000240409 |
| 0:04:52.324292 | LOG | PULL\_ACK: 02 ad29 04 |
| 0:04:53.642617 | LOG | PUSH\_ACK: 02 1512 01 |
| 0:04:53.644674 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1512, Identifier = 00, JSON = {'rxpk': [{'tmst': 469671136, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AkwPgunpVA8/x'}]} |
| 0:04:53.644674 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0393, FOpts: ), FPort: e0, FRMPayload: 0305, MIC: 5503cff1) |
| 0:04:53.644674 | LOG | Server <-------------------- DUT |
| 0:04:53.644674 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a69a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4ef6ae84) |
| 0:04:53.644674 | LOG | PULL\_RESP: Protocol version = 02, Token = f3e1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 471671136, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Amqbgpd6p+fHVA1LuEZSOCNAGVx96LlkHetOiy6xIyT6Hg0H/UFMCTdlB2RhHNWlUZqpwtRZOHttO9q6E'}} |
| 0:04:53.644674 | LOG | Server --------------------> DUT |
| 0:04:53.644674 | LOG | TX\_ACK: 02 f3e1 05 aa555a0000240409 |
| 0:04:58.525130 | LOG | PUSH\_ACK: 02 1513 01 |
| 0:04:58.525130 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1513, Identifier = 00, JSON = {'rxpk': [{'tmst': 474554119, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AlAPglqFbF8n7'}]} |
| 0:04:58.525130 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0394, FOpts: ), FPort: e0, FRMPayload: 0306, MIC: 5b17c9fb) |
| 0:04:58.525130 | LOG | Server <-------------------- DUT |
| 0:04:58.525130 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a69b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 096caf3c) |
| 0:04:58.525130 | LOG | PULL\_RESP: Protocol version = 02, Token = 259b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 476554119, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Am6bg71apjHJna/zrYZfVwrHwR400jTctuq+zGUFIBPEQBce3CcoDeqsQF70gEHIPWjjgjk/wgBQJbK88'}} |
| 0:04:58.525130 | LOG | Server --------------------> DUT |
| 0:04:58.525130 | LOG | TX\_ACK: 02 259b 05 aa555a0000240409 |
| 0:05:02.407433 | LOG | PULL\_DATA: 02 9f2b 02 aa555a0000240409 |
| 0:05:02.407433 | LOG | PULL\_ACK: 02 9f2b 04 |
| 0:05:03.384931 | LOG | PUSH\_ACK: 02 1514 01 |
| 0:05:03.387001 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1514, Identifier = 00, JSON = {'rxpk': [{'tmst': 479396742, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AlQPgMaOS0Bge'}]} |
| 0:05:03.387001 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0395, FOpts: ), FPort: e0, FRMPayload: 0307, MIC: 92d0181e) |
| 0:05:03.387001 | LOG | Server <-------------------- DUT |
| 0:05:03.387001 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a69c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 15566fc5) |
| 0:05:03.387001 | LOG | PULL\_RESP: Protocol version = 02, Token = 3219, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 481396742, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AnKbgQ1zxpTMfiirHws1a7qyRr0F8wIz9NfoNzxae1NmVCsl9w3RLyRechvIr61rftKWNjx5st2QVVm/F'}} |
| 0:05:03.387001 | LOG | Server --------------------> DUT |
| 0:05:03.387001 | LOG | TX\_ACK: 02 3219 05 aa555a0000240409 |
| 0:05:08.251408 | LOG | PUSH\_ACK: 02 1515 01 |
| 0:05:08.251408 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1515, Identifier = 00, JSON = {'rxpk': [{'tmst': 484239510, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AlgPgm56V/2nW'}]} |
| 0:05:08.251408 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0396, FOpts: ), FPort: e0, FRMPayload: 0308, MIC: 95ff69d6) |
| 0:05:08.251408 | LOG | Server <-------------------- DUT |
| 0:05:08.251408 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a69d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d760d455) |
| 0:05:08.251408 | LOG | PULL\_RESP: Protocol version = 02, Token = 35b2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 486239510, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AnabgMh7681FW6+t9VxJ18ZOdM4Ejitx69PSELTg4EHq+y5KizhimEjS05gN+DfnkwiFvf93a+MnXYNRV'}} |
| 0:05:08.251408 | LOG | Server --------------------> DUT |
| 0:05:08.251408 | LOG | TX\_ACK: 02 35b2 05 aa555a0000240409 |
| 0:05:12.556625 | LOG | PULL\_DATA: 02 ade9 02 aa555a0000240409 |
| 0:05:12.556625 | LOG | PULL\_ACK: 02 ade9 04 |
| 0:05:13.058045 | LOG | PUSH\_ACK: 02 1516 01 |
| 0:05:13.058045 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1516, Identifier = 00, JSON = {'rxpk': [{'tmst': 489082079, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AlwPgoO7mMI19'}]} |
| 0:05:13.058045 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0397, FOpts: ), FPort: e0, FRMPayload: 0309, MIC: e6308d7d) |
| 0:05:13.058045 | LOG | Server <-------------------- DUT |
| 0:05:13.058045 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a69e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e23fbd95) |
| 0:05:13.058045 | LOG | PULL\_RESP: Protocol version = 02, Token = 5548, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 491082079, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4Anqbg220jkSqBnTq/6lGRKw4uXkDvU/iUrdTgLbI8s6iR4a1xg6egKK3Fn+quLNlXacm+/MGx+pTiP72V'}} |
| 0:05:13.058045 | LOG | Server --------------------> DUT |
| 0:05:13.058045 | LOG | TX\_ACK: 02 5548 05 aa555a0000240409 |
| 0:05:17.896211 | LOG | PUSH\_ACK: 02 1517 01 |
| 0:05:17.896211 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1517, Identifier = 00, JSON = {'rxpk': [{'tmst': 493924621, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AmAPgommY7SIR'}]} |
| 0:05:17.896211 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0398, FOpts: ), FPort: e0, FRMPayload: 030a, MIC: 98ed2211) |
| 0:05:17.896211 | LOG | Server <-------------------- DUT |
| 0:05:17.896211 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a69f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4b1864c5) |
| 0:05:17.896211 | LOG | PULL\_RESP: Protocol version = 02, Token = 13df, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 495924621, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4An6bgpB7HJ1/KzuePCVRTDCROOnTQfR7pNkyD71U2a+56Tn+sljAElRp4Kc24yAMn9eGGT98UY1FLGGTF'}} |
| 0:05:17.896211 | LOG | Server --------------------> DUT |
| 0:05:17.896211 | LOG | TX\_ACK: 02 13df 05 aa555a0000240409 |
| 0:05:22.602619 | LOG | PULL\_DATA: 02 5d38 02 aa555a0000240409 |
| 0:05:22.602619 | LOG | PULL\_ACK: 02 5d38 04 |
| 0:05:22.752929 | LOG | PUSH\_ACK: 02 1518 01 |
| 0:05:22.752929 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1518, Identifier = 00, JSON = {'rxpk': [{'tmst': 498767166, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AmQPgTluoX/rw'}]} |
| 0:05:22.752929 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0399, FOpts: ), FPort: e0, FRMPayload: 030b, MIC: a85ffaf0) |
| 0:05:22.752929 | LOG | Server <-------------------- DUT |
| 0:05:22.752929 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6a0, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8af3f11f) |
| 0:05:22.752929 | LOG | PULL\_RESP: Protocol version = 02, Token = 91e3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 500767166, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AoKbgLmTSTVhvYURBQzBUHMGXAZpMTphu5U+Fuun3Wz7B1SpuQxmWsnX+8FVQ63gYRMDZFFBascyK8/Ef'}} |
| 0:05:22.752929 | LOG | Server --------------------> DUT |
| 0:05:22.752929 | LOG | TX\_ACK: 02 91e3 05 aa555a0000240409 |
| 0:05:27.616861 | LOG | PUSH\_ACK: 02 151a 01 |
| 0:05:27.616861 | LOG | PUSH\_DATA: Protocol version = 02, Token = 151a, Identifier = 00, JSON = {'rxpk': [{'tmst': 503609799, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AmgPg88ob6TVL'}]} |
| 0:05:27.616861 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 039a, FOpts: ), FPort: e0, FRMPayload: 030c, MIC: 1be9354b) |
| 0:05:27.616861 | LOG | Server <-------------------- DUT |
| 0:05:27.616861 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6a1, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 222511fb) |
| 0:05:27.616861 | LOG | PULL\_RESP: Protocol version = 02, Token = 3f51, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 505609799, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AoabgTYEKe2Gq4QQ3RJcruEm/yHeo+wc9Wurp7ny2Ab0GYXYefuOIPK1TaX8j5s6sGqcEI51Xfb0iJRH7'}} |
| 0:05:27.616861 | LOG | Server --------------------> DUT |
| 0:05:27.616861 | LOG | TX\_ACK: 02 3f51 05 aa555a0000240409 |
| 0:05:32.468472 | LOG | PUSH\_ACK: 02 151b 01 |
| 0:05:32.468472 | LOG | PUSH\_DATA: Protocol version = 02, Token = 151b, Identifier = 00, JSON = {'rxpk': [{'tmst': 508452357, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AmwPgVvTyr5o0'}]} |
| 0:05:32.468472 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 039b, FOpts: ), FPort: e0, FRMPayload: 030d, MIC: f2af9a34) |
| 0:05:32.468472 | LOG | Server <-------------------- DUT |
| 0:05:32.476583 | LOG | Number of downlinks: 60 |
| 0:05:32.476583 | LOG | Number of errors: 0 |
| 0:05:32.486518 | LOG | Packet Error Rate (%): 0.0 |
| 0:05:32.486518 | LOG | Packet error rate SF8BW125 process tested successfully |
| 0:05:32.496487 | LOG | End Test Step: Test packet error rate for SF12BW500 using RX2 window |
| 0:05:32.496487 | LOG | Partial Verdict: PASS |
| 0:05:32.496487 | LOG | ========================================================= |
| 0:05:32.496487 | LOG | ========================================================= |
| 0:05:32.506487 | LOG | Start Test Step: Test packet error rate for SF11BW500 using RX2 window |
| 0:05:32.506487 | LOG | Send RXParamSetupReq process starts |
| 0:05:32.736531 | LOG | PULL\_DATA: 02 f7f7 02 aa555a0000240409 |
| 0:05:32.736531 | LOG | PULL\_ACK: 02 f7f7 04 |
| 0:05:37.315487 | LOG | PUSH\_ACK: 02 151c 01 |
| 0:05:37.317574 | LOG | PUSH\_DATA: Protocol version = 02, Token = 151c, Identifier = 00, JSON = {'rxpk': [{'tmst': 513335405, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AnAPgMu/Fi9UW'}]} |
| 0:05:37.317574 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 039c, FOpts: ), FPort: e0, FRMPayload: 030d, MIC: c58bd516) |
| 0:05:37.317574 | LOG | Server <-------------------- DUT |
| 0:05:37.317574 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6a2, FOpts: ), FPort: 00, FRMPayload: 050968e28c), MIC: 6aaad420) |
| 0:05:37.317574 | LOG | PULL\_RESP: Protocol version = 02, Token = 082a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 514335405, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AoqYA/eq3QxdqqtQg'}} |
| 0:05:37.317574 | LOG | Server --------------------> DUT |
| 0:05:37.317574 | LOG | TX\_ACK: 02 082a 05 aa555a0000240409 |
| 0:05:42.133606 | LOG | PUSH\_ACK: 02 151d 01 |
| 0:05:42.135695 | LOG | PUSH\_DATA: Protocol version = 02, Token = 151d, Identifier = 00, JSON = {'rxpk': [{'tmst': 518178348, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -52, 'size': 17, 'data': 'QO++rd6CnQMFB+AWCRmI7/A='}]} |
| 0:05:42.135695 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 039d, FOpts: 0507), FPort: e0, FRMPayload: 030e, MIC: 1988eff0) |
| 0:05:42.135695 | LOG | Server <-------------------- DUT |
| 0:05:42.135695 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:05:42.135695 | LOG | Command Answer: 0507 |
| 0:05:42.143760 | LOG | Send ACK to DUT process starts |
| 0:05:42.143760 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6a3, FOpts: ), FPort: , FRMPayload: ), MIC: bd60b55f) |
| 0:05:42.143760 | LOG | PULL\_RESP: Protocol version = 02, Token = 2b81, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 519178348, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4Ao6a9YLVf'}} |
| 0:05:42.143760 | LOG | Server --------------------> DUT |
| 0:05:42.143760 | LOG | Send ACK to DUT tested successfully |
| 0:05:42.143760 | LOG | MAC command communication completed |
| 0:05:42.153733 | LOG | Packet error rate (Unconfirmed) SF8BW125 process starts |
| 0:05:42.753768 | LOG | PULL\_DATA: 02 aa2a 02 aa555a0000240409 |
| 0:05:42.753768 | LOG | PULL\_ACK: 02 aa2a 04 |
| 0:05:46.991164 | LOG | PUSH\_ACK: 02 151e 01 |
| 0:05:46.993207 | LOG | PUSH\_DATA: Protocol version = 02, Token = 151e, Identifier = 00, JSON = {'rxpk': [{'tmst': 523020628, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AngPg4lsGk3Ch'}]} |
| 0:05:46.993207 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 039e, FOpts: ), FPort: e0, FRMPayload: 030f, MIC: 069370a1) |
| 0:05:46.993207 | LOG | Server <-------------------- DUT |
| 0:05:46.993207 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6a4, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 66fc3456) |
| 0:05:46.993207 | LOG | PULL\_RESP: Protocol version = 02, Token = fe51, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 525020628, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4ApKbgiiy4miV0B2sB5rMVSFQntPYb7NVxuRFt29oeeMdYMUup9OIfo2wn7iXzWZyzAEPREAJqkXQWLOrONMR+QUPwQ/ci98DLXfWQLvAT+DbT3dGS7fFaWwQh/EtrRpGIZ9nd15Bif7WwUhEIHrAgUEfKLjs5PsPO9+6gXZsxPFyvdHIzZvw0Vg=='}} |
| 0:05:46.993207 | LOG | Server --------------------> DUT |
| 0:05:46.993207 | LOG | TX\_ACK: 02 fe51 05 aa555a0000240409 |
| 0:05:51.878599 | LOG | PUSH\_ACK: 02 151f 01 |
| 0:05:51.878599 | LOG | PUSH\_DATA: Protocol version = 02, Token = 151f, Identifier = 00, JSON = {'rxpk': [{'tmst': 527863221, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AnwPgpmX7DIh4'}]} |
| 0:05:51.878599 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 039f, FOpts: ), FPort: e0, FRMPayload: 0310, MIC: fb0c8878) |
| 0:05:51.878599 | LOG | Server <-------------------- DUT |
| 0:05:51.878599 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6a5, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 98e19311) |
| 0:05:51.878599 | LOG | PULL\_RESP: Protocol version = 02, Token = a50f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 529863221, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4ApabgsAiivwTyOFET3Zf2T0NugS3tTPnrhwJomiIBq8vT2I+SC4+lvpmMKbRVxOJKjC6RAtQ2rXpGskAnfCg58bqBdijtonS/lEbG3tLbVa7dZh/nNAjTvmDgJjMOqBzyoCdhF89HF4S5U4/bk5cojy8D4RmVp3kjDbdkdZurNjQldoZEmOGTEQ=='}} |
| 0:05:51.878599 | LOG | Server --------------------> DUT |
| 0:05:51.878599 | LOG | TX\_ACK: 02 a50f 05 aa555a0000240409 |
| 0:05:52.907540 | LOG | PULL\_DATA: 02 d096 02 aa555a0000240409 |
| 0:05:52.907540 | LOG | PULL\_ACK: 02 d096 04 |
| 0:05:56.703795 | LOG | PUSH\_ACK: 02 1521 01 |
| 0:05:56.705854 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1521, Identifier = 00, JSON = {'rxpk': [{'tmst': 532705774, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AoAPgjeQXOyIZ'}]} |
| 0:05:56.705854 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03a0, FOpts: ), FPort: e0, FRMPayload: 0311, MIC: 173b2219) |
| 0:05:56.705854 | LOG | Server <-------------------- DUT |
| 0:05:56.705854 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6a6, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d72bb937) |
| 0:05:56.705854 | LOG | PULL\_RESP: Protocol version = 02, Token = 94f0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 534705774, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Apqbg6TtuDWQlOMyzPmEPxnKYLAlYrOqHHPnEJsw0zDYJmmIJvGQCGO6pIwr+uaCL2J0jw30GvJYpKmTG0W9RqzBlBWcbRwIf+MrjZUJ/Qzp6yxOj53M71IdzSAKwDvOaNzXIcQS6MR9zxRseSdDEf12xXPbbOxCGVdH3xyAZ4j/ZcNUQ1yu5Nw=='}} |
| 0:05:56.705854 | LOG | Server --------------------> DUT |
| 0:05:56.705854 | LOG | TX\_ACK: 02 94f0 05 aa555a0000240409 |
| 0:06:01.523287 | LOG | PUSH\_ACK: 02 1522 01 |
| 0:06:01.525309 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1522, Identifier = 00, JSON = {'rxpk': [{'tmst': 537548388, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AoQPggnIttSa0'}]} |
| 0:06:01.525309 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03a1, FOpts: ), FPort: e0, FRMPayload: 0312, MIC: 2db526b4) |
| 0:06:01.525309 | LOG | Server <-------------------- DUT |
| 0:06:01.525309 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6a7, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 87935c0a) |
| 0:06:01.525309 | LOG | PULL\_RESP: Protocol version = 02, Token = 1d78, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 539548388, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Ap6bguofRnVii37UMTKSKux8tKIVBzPnEJn12lL8ssYIOGJyS1MMZ2F7bpbXnvSlS3UJ19FVAyqdwfiQ7dH+Y/YMv+kYyP21j5oExNAVN2kQ1nPR8iu+7CMKa4XZJdfk2XRZpvPbEeaVF1HN7PUjMH7yvCDfAHG37PMv+3fq9ZvoGo259h5NcCg=='}} |
| 0:06:01.525309 | LOG | Server --------------------> DUT |
| 0:06:01.525309 | LOG | TX\_ACK: 02 1d78 05 aa555a0000240409 |
| 0:06:02.983710 | LOG | PULL\_DATA: 02 8d80 02 aa555a0000240409 |
| 0:06:02.983710 | LOG | PULL\_ACK: 02 8d80 04 |
| 0:06:06.430941 | LOG | PUSH\_ACK: 02 1523 01 |
| 0:06:06.432968 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1523, Identifier = 00, JSON = {'rxpk': [{'tmst': 542390940, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -55, 'size': 15, 'data': 'QO++rd6AogPg/DFMzHbT'}]} |
| 0:06:06.432968 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03a2, FOpts: ), FPort: e0, FRMPayload: 0313, MIC: 4ccc76d3) |
| 0:06:06.432968 | LOG | Server <-------------------- DUT |
| 0:06:06.432968 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6a8, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8e0873bb) |
| 0:06:06.432968 | LOG | PULL\_RESP: Protocol version = 02, Token = 9e9e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 544390940, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AqKbg/xEG4LCMBT+++5NK8ZqG9QApshS39T9AIqSVjOYnHKJg4S5lFQirwq2wGy1rzNBDRd8sFZGYMKYSWPA+LqffcEJqHgEKfAP8aalxp6Kb82N/2qDM9ghtBRyNms3Ktz/QOIrh1h3oFe7pTPtBdj/fMe1vE/XmlxjA/wL6nezFCC7Pjghzuw=='}} |
| 0:06:06.432968 | LOG | Server --------------------> DUT |
| 0:06:06.432968 | LOG | TX\_ACK: 02 9e9e 05 aa555a0000240409 |
| 0:06:11.252624 | LOG | PUSH\_ACK: 02 1524 01 |
| 0:06:11.254652 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1524, Identifier = 00, JSON = {'rxpk': [{'tmst': 547233731, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AowPgsLFmv/5O'}]} |
| 0:06:11.254652 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03a3, FOpts: ), FPort: e0, FRMPayload: 0314, MIC: 66bffe4e) |
| 0:06:11.254652 | LOG | Server <-------------------- DUT |
| 0:06:11.254652 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6a9, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8f1ce739) |
| 0:06:11.254652 | LOG | PULL\_RESP: Protocol version = 02, Token = c75d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 549233731, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Aqabgipzx1LAVZJim4+L49iOkpex4JlqiPbo+krBLw5uHJSwTjAurVYk59ghT7Zx9gAQXYdk11Lsj7Kzqlz9IG9PyxAdvUpRXtdDL1PpOovqb7G4O9ltmitptXSneuyyC1O1TzXoPWXrTYEq6uHtyticzMea5F4IshejfUcIgenCiDJ2PjxznOQ=='}} |
| 0:06:11.254652 | LOG | Server --------------------> DUT |
| 0:06:11.254652 | LOG | TX\_ACK: 02 c75d 05 aa555a0000240409 |
| 0:06:13.118263 | LOG | PULL\_DATA: 02 124a 02 aa555a0000240409 |
| 0:06:13.118263 | LOG | PULL\_ACK: 02 124a 04 |
| 0:06:16.073563 | LOG | PUSH\_ACK: 02 1525 01 |
| 0:06:16.073563 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1525, Identifier = 00, JSON = {'rxpk': [{'tmst': 552116778, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -55, 'size': 15, 'data': 'QO++rd6ApAPg0SzfxCBu'}]} |
| 0:06:16.073563 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03a4, FOpts: ), FPort: e0, FRMPayload: 0315, MIC: dfc4206e) |
| 0:06:16.073563 | LOG | Server <-------------------- DUT |
| 0:06:16.073563 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6aa, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 113a818f) |
| 0:06:16.073563 | LOG | PULL\_RESP: Protocol version = 02, Token = 6aeb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 554116778, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AqqbgnKpJqX06GEipMhpnpaY1rfBg0J29RERR8KRoxteQKco68hYBkpYks6UJWdIqJeoKUPKijff4hOeTG6uYY0f+VNKO2rP3y82VeNR8WeQMRDH3Kl+MrmVoxvmI1sJiXcKGtbyuVUGsvzoTLIvjc0GemFVHLeEfh+BcaWqfvMkQ9PlQETqBjw=='}} |
| 0:06:16.073563 | LOG | Server --------------------> DUT |
| 0:06:16.073563 | LOG | TX\_ACK: 02 6aeb 05 aa555a0000240409 |
| 0:06:20.974528 | LOG | PUSH\_ACK: 02 1526 01 |
| 0:06:20.974528 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1526, Identifier = 00, JSON = {'rxpk': [{'tmst': 556959299, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6ApQPgcmVUCFPU'}]} |
| 0:06:20.974528 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03a5, FOpts: ), FPort: e0, FRMPayload: 0316, MIC: 540853d4) |
| 0:06:20.974528 | LOG | Server <-------------------- DUT |
| 0:06:20.974528 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6ab, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 031085bd) |
| 0:06:20.974528 | LOG | PULL\_RESP: Protocol version = 02, Token = d750, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 558959299, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Aq6bgVkgE3OZRVpEV9ioJsyfOld81mZTxi9kWrLWNOUABa/vXvncl0JRc11l6MwUxfoBVa8oEaAvsz4fjSVJy9bkeCRzm3WOCC5P8eZsUtiAcbMcw2AqKr7NpkxuL0NWgK2Qm+CgilZ7jECbQKDx9EaCtYm0i6GT97aTqGYLEalNa1iJ1AxCFvQ=='}} |
| 0:06:20.974528 | LOG | Server --------------------> DUT |
| 0:06:20.974528 | LOG | TX\_ACK: 02 d750 05 aa555a0000240409 |
| 0:06:23.228569 | LOG | PULL\_DATA: 02 4cf8 02 aa555a0000240409 |
| 0:06:23.228569 | LOG | PULL\_ACK: 02 4cf8 04 |
| 0:06:25.776118 | LOG | PUSH\_ACK: 02 1528 01 |
| 0:06:25.778266 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1528, Identifier = 00, JSON = {'rxpk': [{'tmst': 561801899, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ApgPgVEH18bYX'}]} |
| 0:06:25.778266 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03a6, FOpts: ), FPort: e0, FRMPayload: 0317, MIC: f5f1b617) |
| 0:06:25.778266 | LOG | Server <-------------------- DUT |
| 0:06:25.778266 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6ac, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f5dcafc2) |
| 0:06:25.778266 | LOG | PULL\_RESP: Protocol version = 02, Token = fa2c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 563801899, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4ArKbgTFBADl0xw2f/hF4urt8mFbSR34y/UWhXFuHbLKxDyutXL5PpW1CKCdayUFocfFHuq/rXAwu8Ma13oQkXrFwSbW4J1RERnvaVa4pWRNF/dbZe/9QLFg2dYlEC6k1OK7rV5fe5ihe7Fxr4SKWT1e7iMxicBy5G+B5eYzOwf/Q5HYYW9dyvwg=='}} |
| 0:06:25.778266 | LOG | Server --------------------> DUT |
| 0:06:25.778266 | LOG | TX\_ACK: 02 fa2c 05 aa555a0000240409 |
| 0:06:30.636606 | LOG | PUSH\_ACK: 02 1529 01 |
| 0:06:30.638697 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1529, Identifier = 00, JSON = {'rxpk': [{'tmst': 566644469, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ApwPg1KzvcEOt'}]} |
| 0:06:30.638697 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03a7, FOpts: ), FPort: e0, FRMPayload: 0318, MIC: ef7043ad) |
| 0:06:30.638697 | LOG | Server <-------------------- DUT |
| 0:06:30.638697 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6ad, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 83e17bec) |
| 0:06:30.638697 | LOG | PULL\_RESP: Protocol version = 02, Token = 8028, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 568644469, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4ArabgFz3kz8dARn2OdWt5AVc/B/By1IpbED6ahd0WWOxtDOEvrn7j4zNlVUf0bcwR9gvekIfoOJe3/SAEqco90AWc4o045vCQcqoFbeuY//s3t691ZjdOPLkl3ipEghAEu18AtXTbFHl0m86+0SlQ0lF6BdPM4LunhXdTJ8I33rp1WWpag+F77A=='}} |
| 0:06:30.638697 | LOG | Server --------------------> DUT |
| 0:06:30.638697 | LOG | TX\_ACK: 02 8028 05 aa555a0000240409 |
| 0:06:33.323710 | LOG | PULL\_DATA: 02 ceea 02 aa555a0000240409 |
| 0:06:33.323710 | LOG | PULL\_ACK: 02 ceea 04 |
| 0:06:35.451735 | LOG | PUSH\_ACK: 02 152a 01 |
| 0:06:35.451735 | LOG | PUSH\_DATA: Protocol version = 02, Token = 152a, Identifier = 00, JSON = {'rxpk': [{'tmst': 571487005, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AqAPg60Ufkiut'}]} |
| 0:06:35.451735 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03a8, FOpts: ), FPort: e0, FRMPayload: 0319, MIC: 1f922bad) |
| 0:06:35.451735 | LOG | Server <-------------------- DUT |
| 0:06:35.451735 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6ae, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c3ee11f0) |
| 0:06:35.451735 | LOG | PULL\_RESP: Protocol version = 02, Token = f306, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 573487005, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Arqbg7BhNkyMVWZO5URlA3gDXqJJ/FdABPNoqeQCJBPRYSom5AgSP6phJRRUrqREoTo1dGJoJR+DtAw6uKR5b7K8+thpqEecp6JHvGF3J/Xxkv+WSFNcihGNJxY+tOojiHU7LtO49X4VIGj6WfVfwgQYZ69fqyjWdBIHcWxB4k5vUm4sXw+4R8A=='}} |
| 0:06:35.451735 | LOG | Server --------------------> DUT |
| 0:06:35.451735 | LOG | TX\_ACK: 02 f306 05 aa555a0000240409 |
| 0:06:40.348475 | LOG | PUSH\_ACK: 02 152b 01 |
| 0:06:40.348475 | LOG | PUSH\_DATA: Protocol version = 02, Token = 152b, Identifier = 00, JSON = {'rxpk': [{'tmst': 576329612, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AqQPgcUzYAJ7v'}]} |
| 0:06:40.348475 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03a9, FOpts: ), FPort: e0, FRMPayload: 031a, MIC: d8009eef) |
| 0:06:40.348475 | LOG | Server <-------------------- DUT |
| 0:06:40.348475 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6af, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 17427a01) |
| 0:06:40.348475 | LOG | PULL\_RESP: Protocol version = 02, Token = 0707, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 578329612, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Ar6bg8y4s7jnwVifas2fsLrJGAekPbs2l3/pPaCxT2x4fWoi6yNMQQtg5xDjz2+kmCRBwa7o8buFGTeTbKnG3vKYaUEAmzZk0nc7dUoIMtUl8dTvR0f8XtBJKDU4LAOfN7neQx2jg0PJLXXwurcGKsDe6371nuOE468EAPTfYWntkvoBqF0J6AQ=='}} |
| 0:06:40.348475 | LOG | Server --------------------> DUT |
| 0:06:40.348475 | LOG | TX\_ACK: 02 0707 05 aa555a0000240409 |
| 0:06:43.405724 | LOG | PULL\_DATA: 02 2f47 02 aa555a0000240409 |
| 0:06:43.405724 | LOG | PULL\_ACK: 02 2f47 04 |
| 0:06:45.126370 | LOG | PUSH\_ACK: 02 152c 01 |
| 0:06:45.126370 | LOG | PUSH\_DATA: Protocol version = 02, Token = 152c, Identifier = 00, JSON = {'rxpk': [{'tmst': 581172340, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AqgPgV92qqtou'}]} |
| 0:06:45.126370 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03aa, FOpts: ), FPort: e0, FRMPayload: 031b, MIC: aaaada2e) |
| 0:06:45.126370 | LOG | Server <-------------------- DUT |
| 0:06:45.126370 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6b0, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 07db64e0) |
| 0:06:45.126370 | LOG | PULL\_RESP: Protocol version = 02, Token = 390e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 583172340, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AsKbg0OtOWOozfl9bdDZbfkaD65UkgGlz5/mvJ2P6wNoC5LtroaDrJUSo9ea0emj456OnfyrhO6zOkHT0bT0RQhwaaW2HIu2YDSucHXjwObR2vcL9qOv0Bn/T7fMcLFOd3uun4JTABlx+5EntAQbsznJYKPjCLjM9lbRoYjZtM3zshYd2B9tk4A=='}} |
| 0:06:45.126370 | LOG | Server --------------------> DUT |
| 0:06:45.126370 | LOG | TX\_ACK: 02 390e 05 aa555a0000240409 |
| 0:06:49.978168 | LOG | PUSH\_ACK: 02 152d 01 |
| 0:06:49.980224 | LOG | PUSH\_DATA: Protocol version = 02, Token = 152d, Identifier = 00, JSON = {'rxpk': [{'tmst': 586014989, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 12.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AqwPgM/c1nq5v'}]} |
| 0:06:49.980224 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03ab, FOpts: ), FPort: e0, FRMPayload: 031c, MIC: 359eae6f) |
| 0:06:49.980224 | LOG | Server <-------------------- DUT |
| 0:06:49.980224 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6b1, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 73570801) |
| 0:06:49.980224 | LOG | PULL\_RESP: Protocol version = 02, Token = 5742, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 588014989, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AsabgqqT0ozQChPxZBPk9INu0nC6gDh0C67BgeRqntT/yOG+FlBzNxtrlbSh3D1CW9Tg/1FuOx4HQ+tPgnbJnRhnF287yN6v2MQTM2PcreMCzgayGXXWJONfTjfnFsZHsXF9DpmTzjw/isTEjeDfU27MdoERbHhZwi5onda0a8Pa5JqBUc1cIAQ=='}} |
| 0:06:49.980224 | LOG | Server --------------------> DUT |
| 0:06:49.980224 | LOG | TX\_ACK: 02 5742 05 aa555a0000240409 |
| 0:06:53.503319 | LOG | PULL\_DATA: 02 35f5 02 aa555a0000240409 |
| 0:06:53.503319 | LOG | PULL\_ACK: 02 35f5 04 |
| 0:06:54.905891 | LOG | PUSH\_ACK: 02 152f 01 |
| 0:06:54.907954 | LOG | PUSH\_DATA: Protocol version = 02, Token = 152f, Identifier = 00, JSON = {'rxpk': [{'tmst': 590898069, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ArAPg/R3HWVfJ'}]} |
| 0:06:54.907954 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03ac, FOpts: ), FPort: e0, FRMPayload: 031d, MIC: c75957c9) |
| 0:06:54.907954 | LOG | Server <-------------------- DUT |
| 0:06:54.907954 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6b2, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 6bb11c39) |
| 0:06:54.907954 | LOG | PULL\_RESP: Protocol version = 02, Token = cf2e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 592898069, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AsqbgveruhCCwB0eK7p59V3jj3meox5ZAIL7ahS8ImnrUGBgHdTybLgeOVNI2cELJHm+Q0B3F/ZnPsKQDacegHx7t7GYlX5Jp+A2upUpExnO5K+8zDkUeo80GID04gECJsqjMGb7/gqjvGXEL2MDRlj1pOnoE0Qum8N4wdA2mAuOtvc7ia7EcOQ=='}} |
| 0:06:54.907954 | LOG | Server --------------------> DUT |
| 0:06:54.907954 | LOG | TX\_ACK: 02 cf2e 05 aa555a0000240409 |
| 0:06:59.699352 | LOG | PUSH\_ACK: 02 1530 01 |
| 0:06:59.699352 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1530, Identifier = 00, JSON = {'rxpk': [{'tmst': 595740613, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6ArQPg/AcOobDA'}]} |
| 0:06:59.699352 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03ad, FOpts: ), FPort: e0, FRMPayload: 031e, MIC: 0ea1b0c0) |
| 0:06:59.699352 | LOG | Server <-------------------- DUT |
| 0:06:59.699352 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6b3, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a99c3938) |
| 0:06:59.699352 | LOG | PULL\_RESP: Protocol version = 02, Token = 273d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 597740613, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4As6bgM3xEY3evFLPnmeQwhiRhWzpNe620zqnIG5tOfIM+dBZPEsdadBPSZyTZqGyK1NeBBQerSgPfi7C5NBbNse/l2LQmGhKaW/4Qs/I7UV3TQXImCbOaLWXoF85gDC2r3MlJ0/5qxMswNK25IpiFhcFpOSupfFNFC6j0X94Uj1YezQWGqZw5OA=='}} |
| 0:06:59.699352 | LOG | Server --------------------> DUT |
| 0:06:59.699352 | LOG | TX\_ACK: 02 273d 05 aa555a0000240409 |
| 0:07:03.623913 | LOG | PULL\_DATA: 02 870d 02 aa555a0000240409 |
| 0:07:03.623913 | LOG | PULL\_ACK: 02 870d 04 |
| 0:07:04.611585 | LOG | PUSH\_ACK: 02 1531 01 |
| 0:07:04.611585 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1531, Identifier = 00, JSON = {'rxpk': [{'tmst': 600583220, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -53, 'size': 15, 'data': 'QO++rd6ArgPgmiTaovGy'}]} |
| 0:07:04.611585 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03ae, FOpts: ), FPort: e0, FRMPayload: 031f, MIC: daa2f1b2) |
| 0:07:04.611585 | LOG | Server <-------------------- DUT |
| 0:07:04.611585 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6b4, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 84f0a363) |
| 0:07:04.611585 | LOG | PULL\_RESP: Protocol version = 02, Token = 83c4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 602583220, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AtKbgTGn4lY3V5YnQpzR0LPhyvrGpjRiuubERnxO8+ZBaWQitWx3wepLE/MCM9g1wQurLF9KqffKO2Z77rLsl4OBSit9yDjPpMW7wrwzYEw5ksDYYPqMbF5QNkCRG9IcCby4TJJaupYoYK40nkWR5fME9OIGt7B8uVPggPxcuOpMAVS8HhPCjYw=='}} |
| 0:07:04.611585 | LOG | Server --------------------> DUT |
| 0:07:04.611585 | LOG | TX\_ACK: 02 83c4 05 aa555a0000240409 |
| 0:07:09.392122 | LOG | PUSH\_ACK: 02 1532 01 |
| 0:07:09.392122 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1532, Identifier = 00, JSON = {'rxpk': [{'tmst': 605425755, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ArwPgvRTIK/Au'}]} |
| 0:07:09.392122 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03af, FOpts: ), FPort: e0, FRMPayload: 0320, MIC: c82bf02e) |
| 0:07:09.392122 | LOG | Server <-------------------- DUT |
| 0:07:09.392122 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6b5, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 36e92c48) |
| 0:07:09.392122 | LOG | PULL\_RESP: Protocol version = 02, Token = f0c2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 607425755, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AtabgqayQuzDZnY/SJdujxHvKsMFJaaKD0k99q5M73m1ogzJXnOG4SEBZlrYZtMf4Wv9uaJA7wjWgn5s/KeblKs4wV/vAq82zwebKbaRsL7+3Qwd9IT6E6l94iFqtuESQ73nE9UOaucjPRppu4eh+qBbngX1tjWsqp1C7iXZh6uzyFD26NuksSA=='}} |
| 0:07:09.392122 | LOG | Server --------------------> DUT |
| 0:07:09.392122 | LOG | TX\_ACK: 02 f0c2 05 aa555a0000240409 |
| 0:07:13.718951 | LOG | PULL\_DATA: 02 b929 02 aa555a0000240409 |
| 0:07:13.718951 | LOG | PULL\_ACK: 02 b929 04 |
| 0:07:14.243350 | LOG | PUSH\_ACK: 02 1533 01 |
| 0:07:14.245487 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1533, Identifier = 00, JSON = {'rxpk': [{'tmst': 610268379, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -55, 'size': 15, 'data': 'QO++rd6AsAPgXGwom8D1'}]} |
| 0:07:14.245487 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03b0, FOpts: ), FPort: e0, FRMPayload: 0321, MIC: 289bc0f5) |
| 0:07:14.245487 | LOG | Server <-------------------- DUT |
| 0:07:14.245487 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6b6, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e6212054) |
| 0:07:14.245487 | LOG | PULL\_RESP: Protocol version = 02, Token = b460, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 612268379, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AtqbgNscBc9DYc7GG/T8lkRnI0qeJ1r2tE5nqe6b6eGgInRA9TohPvPF6y5jcKNEVIUYnBQ56ujG4xqyLvG3Zhy468zkXrs7YDr2ELdI7mNwS8UFepuIPUMeOgtdyrab2Kc64fxfOUy25AR8/6pmTnuky6NwpP9D99fIakivTUBR15AkE5iEgVA=='}} |
| 0:07:14.245487 | LOG | Server --------------------> DUT |
| 0:07:14.245487 | LOG | TX\_ACK: 02 b460 05 aa555a0000240409 |
| 0:07:19.087420 | LOG | PUSH\_ACK: 02 1534 01 |
| 0:07:19.089441 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1534, Identifier = 00, JSON = {'rxpk': [{'tmst': 615110938, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AsQPgCRF3qVzQ'}]} |
| 0:07:19.089441 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03b1, FOpts: ), FPort: e0, FRMPayload: 0322, MIC: 77a95cd0) |
| 0:07:19.089441 | LOG | Server <-------------------- DUT |
| 0:07:19.089441 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6b7, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: efa5ae98) |
| 0:07:19.089441 | LOG | PULL\_RESP: Protocol version = 02, Token = 95c8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 617110938, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4At6bgOyMgEbaFvTa7ZllRdtmweH584CPXdpy9WLPDJHtpd6we9dE9cbVHAudwIQijLOngII3mxVK8C8/0WD4UCL3iDmcat1Pnc2tFlig83afowg1ndTs/ZiBKEJ+nHwA6w8Q2adbQHJFQ1zDaeymHa68Btp0RXA/WpPlEFtrtsDnU4uNW76WumA=='}} |
| 0:07:19.089441 | LOG | Server --------------------> DUT |
| 0:07:19.089441 | LOG | TX\_ACK: 02 95c8 05 aa555a0000240409 |
| 0:07:23.794920 | LOG | PULL\_DATA: 02 ef08 02 aa555a0000240409 |
| 0:07:23.794920 | LOG | PULL\_ACK: 02 ef08 04 |
| 0:07:23.912556 | LOG | PUSH\_ACK: 02 1535 01 |
| 0:07:23.914613 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1535, Identifier = 00, JSON = {'rxpk': [{'tmst': 619953482, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AsgPg/VKrDbKF'}]} |
| 0:07:23.914613 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03b2, FOpts: ), FPort: e0, FRMPayload: 0323, MIC: ab0db285) |
| 0:07:23.914613 | LOG | Server <-------------------- DUT |
| 0:07:23.914613 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6b8, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c5b90046) |
| 0:07:23.914613 | LOG | PULL\_RESP: Protocol version = 02, Token = ee38, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 621953482, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AuKbgCdn/Ult3oXEYuMdijhLKyx9UrftsUYSuCUiyyP/g7wnxTB2NVWVRqAMqYWEgLFsMyGGA+SZa/lYZoSQzd2wsx5lJIrbBmYe7igaPfNc0fnISS2/mpwplhuOCfQsLSpEglJHhxBnotbbLWWJ3VZ8vUl4mhe6TewMfd4jUd6WOB6ukxbkARg=='}} |
| 0:07:23.914613 | LOG | Server --------------------> DUT |
| 0:07:23.914613 | LOG | TX\_ACK: 02 ee38 05 aa555a0000240409 |
| 0:07:28.811727 | LOG | PUSH\_ACK: 02 1537 01 |
| 0:07:28.811727 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1537, Identifier = 00, JSON = {'rxpk': [{'tmst': 624796267, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AswPglWrp6LdM'}]} |
| 0:07:28.811727 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03b3, FOpts: ), FPort: e0, FRMPayload: 0324, MIC: e9e8b74c) |
| 0:07:28.811727 | LOG | Server <-------------------- DUT |
| 0:07:28.811727 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6b9, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0c6caecd) |
| 0:07:28.811727 | LOG | PULL\_RESP: Protocol version = 02, Token = 9805, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 626796267, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Auabg43OSh519ebiTPKFQofALhndRz1XWq9lBF51D+OVrDvqDihGIt0N5nAbnp2FdhRGoTezynw+UYNgdkExL8Urs6H5mfWwnAUzeKOs9hg1yZp/PAicRKSXl2JnxHYvL2X8i5Gk2SD0uV4hJWstzqXKXP0rNJH6NuuRN2oyfU6I6CA8lDGyuzQ=='}} |
| 0:07:28.811727 | LOG | Server --------------------> DUT |
| 0:07:28.811727 | LOG | TX\_ACK: 02 9805 05 aa555a0000240409 |
| 0:07:33.636737 | LOG | PUSH\_ACK: 02 1538 01 |
| 0:07:33.638788 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1538, Identifier = 00, JSON = {'rxpk': [{'tmst': 629679322, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AtAPgnrJVBtWw'}]} |
| 0:07:33.638788 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03b4, FOpts: ), FPort: e0, FRMPayload: 0325, MIC: 5506d5b0) |
| 0:07:33.638788 | LOG | Server <-------------------- DUT |
| 0:07:33.638788 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6ba, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 42f77211) |
| 0:07:33.638788 | LOG | PULL\_RESP: Protocol version = 02, Token = 0372, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 631679322, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Auqbg0bRH6cAsnJprjojH7KPq1dCX9DXUwrnqPSLMisNhxRM5eel1gXApMcbxWYQMcZmNnEU2gMIbh8pZB6gW4dm4PoYn7UHAhvR0afgH6UNxdCL9EJRqNvXwqOCAGoQVL426pIa09jVht21N87pQjhS2RfH1xy+MwaBYKhXzMpJLED2HQvdyEQ=='}} |
| 0:07:33.638788 | LOG | Server --------------------> DUT |
| 0:07:33.638788 | LOG | TX\_ACK: 02 0372 05 aa555a0000240409 |
| 0:07:33.856843 | LOG | PULL\_DATA: 02 6f52 02 aa555a0000240409 |
| 0:07:33.856843 | LOG | PULL\_ACK: 02 6f52 04 |
| 0:07:38.525475 | LOG | PUSH\_ACK: 02 1539 01 |
| 0:07:38.527491 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1539, Identifier = 00, JSON = {'rxpk': [{'tmst': 634521905, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -55, 'size': 15, 'data': 'QO++rd6AtQPgVbpLyN9r'}]} |
| 0:07:38.527491 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03b5, FOpts: ), FPort: e0, FRMPayload: 0326, MIC: 4bc8df6b) |
| 0:07:38.527491 | LOG | Server <-------------------- DUT |
| 0:07:38.527491 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6bb, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ebdb1b76) |
| 0:07:38.527491 | LOG | PULL\_RESP: Protocol version = 02, Token = 2b79, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 636521905, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Au6bgU5ctqsrMvDDY4kG3yGfv9snAQ4tK8/ygjinnWaJ2FebCKCgLhuUctUeR7bb71eOP5amRamYyL35x9uOJwDoSJJsYzbgiVFlOK5jYLZounviDT0O1nJHj/0fQ5255/m7MOEzbCW8qNf7Mg517JBZSZV0UpPyuAHQSf5muO8T6FbhR69sbdg=='}} |
| 0:07:38.527491 | LOG | Server --------------------> DUT |
| 0:07:38.527491 | LOG | TX\_ACK: 02 2b79 05 aa555a0000240409 |
| 0:07:43.374249 | LOG | PUSH\_ACK: 02 153a 01 |
| 0:07:43.374249 | LOG | PUSH\_DATA: Protocol version = 02, Token = 153a, Identifier = 00, JSON = {'rxpk': [{'tmst': 639364719, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AtgPgSQorNY7r'}]} |
| 0:07:43.374249 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03b6, FOpts: ), FPort: e0, FRMPayload: 0327, MIC: 2b358eeb) |
| 0:07:43.374249 | LOG | Server <-------------------- DUT |
| 0:07:43.374249 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6bc, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: cfb1e1e3) |
| 0:07:43.374249 | LOG | PULL\_RESP: Protocol version = 02, Token = 67c5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 641364719, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AvKbgZ/u6HK4Q6L2xuSjQ77b4GUCns30Jv5xoAhBk59KyK1DWXhtqW+68n6gPA9WNUnPzRvLVpyAk75w0YaJXjXwp1EJsGQ+/NiBTH+ccH4HS2qZlkI8i/GMgbfah0H0RRmBtl6rkwoH1tdctfqh+iHVAdkXms0JwVJKzfeJgfdqHiSQjz7Hh4w=='}} |
| 0:07:43.374249 | LOG | Server --------------------> DUT |
| 0:07:43.374249 | LOG | TX\_ACK: 02 67c5 05 aa555a0000240409 |
| 0:07:44.004285 | LOG | PULL\_DATA: 02 d288 02 aa555a0000240409 |
| 0:07:44.004285 | LOG | PULL\_ACK: 02 d288 04 |
| 0:07:48.166494 | LOG | PUSH\_ACK: 02 153b 01 |
| 0:07:48.168512 | LOG | PUSH\_DATA: Protocol version = 02, Token = 153b, Identifier = 00, JSON = {'rxpk': [{'tmst': 644207264, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AtwPgW8Bp+1rl'}]} |
| 0:07:48.168512 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03b7, FOpts: ), FPort: e0, FRMPayload: 0328, MIC: 69fb5ae5) |
| 0:07:48.168512 | LOG | Server <-------------------- DUT |
| 0:07:48.168512 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6bd, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 6af90bd3) |
| 0:07:48.168512 | LOG | PULL\_RESP: Protocol version = 02, Token = 651e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 646207264, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Avabga1Mc9d91J3VTDUrh3ZFhOWOOOdgeNdmkbxIF6+NeTCQ75iMLHaw/2oJAaZVaAI4iJ45knTqaXJxePbvuky+ofSuC9b+JRVguYu7WR8rXoDn4ORJBdRuL1BMkbSOL9FEC4rNgWR+VDiWZv68mEt91D6ybzGo6emV9FmPucb+ysoNPavkL0w=='}} |
| 0:07:48.168512 | LOG | Server --------------------> DUT |
| 0:07:48.168512 | LOG | TX\_ACK: 02 651e 05 aa555a0000240409 |
| 0:07:53.041342 | LOG | PUSH\_ACK: 02 153c 01 |
| 0:07:53.041342 | LOG | PUSH\_DATA: Protocol version = 02, Token = 153c, Identifier = 00, JSON = {'rxpk': [{'tmst': 649049833, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AuAPgCW8v+Pcq'}]} |
| 0:07:53.041342 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03b8, FOpts: ), FPort: e0, FRMPayload: 0329, MIC: 2ff8f72a) |
| 0:07:53.041342 | LOG | Server <-------------------- DUT |
| 0:07:53.041342 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6be, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8483275d) |
| 0:07:53.041342 | LOG | PULL\_RESP: Protocol version = 02, Token = 409c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 651049833, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AvqbgRMcXF99KyFymRweN+aY0rXFnQjNhc+Zs+inxT9cK6HXFJENqofuimrOTs3ojIVt11odtc9p5KSVg4A8Cs6ok/s3Gajh+qpefVfuReYTnDfEjD7vYr9yTvMw4zyl7IAYLLaTkf6uqcdMOf78Omjp8PtD0avYkpCN7NMU1LdsFbOM+hIMnXQ=='}} |
| 0:07:53.041342 | LOG | Server --------------------> DUT |
| 0:07:53.047769 | LOG | TX\_ACK: 02 409c 05 aa555a0000240409 |
| 0:07:54.075852 | LOG | PULL\_DATA: 02 b861 02 aa555a0000240409 |
| 0:07:54.075852 | LOG | PULL\_ACK: 02 b861 04 |
| 0:07:57.860808 | LOG | PUSH\_ACK: 02 153e 01 |
| 0:07:57.862853 | LOG | PUSH\_DATA: Protocol version = 02, Token = 153e, Identifier = 00, JSON = {'rxpk': [{'tmst': 653892424, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AuQPgqidU27Ci'}]} |
| 0:07:57.862853 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03b9, FOpts: ), FPort: e0, FRMPayload: 032a, MIC: 54dbb0a2) |
| 0:07:57.862853 | LOG | Server <-------------------- DUT |
| 0:07:57.862853 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6bf, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ae1f7d21) |
| 0:07:57.862853 | LOG | PULL\_RESP: Protocol version = 02, Token = 36f4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 655892424, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Av6bg/JCetUhOHPxhSkyjPQJo/vZih6fjdriRzXSBu2KMGpzSRnAs0S8jfXLKWFULwXfJjK5Pm6sGdI86LpNUteQ+89XaX+ubmsDQa7YWSJpW2CnsynKuMCFh+pjQg1EdBXMMo3IoxH3smMDirNz4w4AnlbdDN9++xh2Ife/AjxCKWypUrh99IQ=='}} |
| 0:07:57.862853 | LOG | Server --------------------> DUT |
| 0:07:57.862853 | LOG | TX\_ACK: 02 36f4 05 aa555a0000240409 |
| 0:08:02.734301 | LOG | PUSH\_ACK: 02 153f 01 |
| 0:08:02.734301 | LOG | PUSH\_DATA: Protocol version = 02, Token = 153f, Identifier = 00, JSON = {'rxpk': [{'tmst': 658734919, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AugPgb5fK6Xd7'}]} |
| 0:08:02.734301 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03ba, FOpts: ), FPort: e0, FRMPayload: 032b, MIC: cae9777b) |
| 0:08:02.734301 | LOG | Server <-------------------- DUT |
| 0:08:02.734301 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6c0, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3ecd0039) |
| 0:08:02.734301 | LOG | PULL\_RESP: Protocol version = 02, Token = cb22, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 660734919, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AwKbgx3gMt/2zapzBPKB7Rck+0jHZOVyVnG7d/gH/XcAlXTmFkZR2+JY8Rejb+XyUycu/tcNDQMg3QARLg6d9lSK3fPORzBken1i31S+c9FQ5xxUgdquz0mNLNk6sX+ltqQ+gKMN1I9zd3YP0vUSVY/OvUS47/6kLZ+HrCnBrtrLl2BFrPs0AOQ=='}} |
| 0:08:02.734301 | LOG | Server --------------------> DUT |
| 0:08:02.734301 | LOG | TX\_ACK: 02 cb22 05 aa555a0000240409 |
| 0:08:04.194762 | LOG | PULL\_DATA: 02 2d23 02 aa555a0000240409 |
| 0:08:04.194762 | LOG | PULL\_ACK: 02 2d23 04 |
| 0:08:07.594970 | LOG | PUSH\_ACK: 02 1540 01 |
| 0:08:07.594970 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1540, Identifier = 00, JSON = {'rxpk': [{'tmst': 663577512, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AuwPgBiOLW0Ha'}]} |
| 0:08:07.594970 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03bb, FOpts: ), FPort: e0, FRMPayload: 032c, MIC: 8b5b41da) |
| 0:08:07.594970 | LOG | Server <-------------------- DUT |
| 0:08:07.594970 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6c1, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a960d4d9) |
| 0:08:07.594970 | LOG | PULL\_RESP: Protocol version = 02, Token = bf0f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 665577512, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Awabgsa2NfLw+/4xgss6l8AqFaUj2VunknOhJ31GkVCkYUR0C8rlcMIvO38+DdP4ZtkWnBdCZKW2bBLKCK8t8c50+w3z25cX4/6U3tl7at0lorBluienfsjGP7N4DB/5BNt9RvTzJFqDWBHbJTDuk7SGFgKGAyAD0UGDTP44KRs+RE3gRqWDU2Q=='}} |
| 0:08:07.594970 | LOG | Server --------------------> DUT |
| 0:08:07.594970 | LOG | TX\_ACK: 02 bf0f 05 aa555a0000240409 |
| 0:08:12.465770 | LOG | PUSH\_ACK: 02 1541 01 |
| 0:08:12.465770 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1541, Identifier = 00, JSON = {'rxpk': [{'tmst': 668460624, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AvAPgKBixm12q'}]} |
| 0:08:12.465770 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03bc, FOpts: ), FPort: e0, FRMPayload: 032d, MIC: b19b5daa) |
| 0:08:12.465770 | LOG | Server <-------------------- DUT |
| 0:08:12.465770 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6c2, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f25fc502) |
| 0:08:12.465770 | LOG | PULL\_RESP: Protocol version = 02, Token = 9296, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 670460624, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Awqbg0gt8YP2R6wRRL91ewVdmohdp4XZyJfr8GDLr7a6+isle+rqwZ1wsyo5hsiUjHzwT9yIhVyZD7Zx0Qm5jApA1NpXi4+JBOKxds54fw/AV/hSNBn/DxTc7yXW/AB6gh+VVN11YXKSIhL3r8Mw8te2jCzeRHnUb1HAkZcwwDUhsodi78l/FAg=='}} |
| 0:08:12.465770 | LOG | Server --------------------> DUT |
| 0:08:12.465770 | LOG | TX\_ACK: 02 9296 05 aa555a0000240409 |
| 0:08:14.316404 | LOG | PULL\_DATA: 02 20bd 02 aa555a0000240409 |
| 0:08:14.316404 | LOG | PULL\_ACK: 02 20bd 04 |
| 0:08:17.270228 | LOG | PUSH\_ACK: 02 1542 01 |
| 0:08:17.272283 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1542, Identifier = 00, JSON = {'rxpk': [{'tmst': 673303161, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AvQPgXQi8dWUP'}]} |
| 0:08:17.272283 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03bd, FOpts: ), FPort: e0, FRMPayload: 032e, MIC: bc75650f) |
| 0:08:17.272283 | LOG | Server <-------------------- DUT |
| 0:08:17.272283 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6c3, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9eff4ab8) |
| 0:08:17.272283 | LOG | PULL\_RESP: Protocol version = 02, Token = 9462, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 675303161, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Aw6bgNskRnasHSfpplwBNExQi+kIlbUm6WnWqpKuoWwX4gX3mVb5UgzJtPhgGBg97MepvPPMwsLIpYTXdNDZa0fPtHLZJs37twiCluFqc7tdihqv/oCvRWfPzA4GKtLtzNICNH7Q1yNvUqKlwMndHkPo95hywtdnHkKWo+RnkPXKM8EIKnv9KuA=='}} |
| 0:08:17.272283 | LOG | Server --------------------> DUT |
| 0:08:17.272283 | LOG | TX\_ACK: 02 9462 05 aa555a0000240409 |
| 0:08:22.153324 | LOG | PUSH\_ACK: 02 1543 01 |
| 0:08:22.155384 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1543, Identifier = 00, JSON = {'rxpk': [{'tmst': 678145687, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AvgPgFp0KHmqz'}]} |
| 0:08:22.155384 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03be, FOpts: ), FPort: e0, FRMPayload: 032f, MIC: 0a1e6ab3) |
| 0:08:22.155384 | LOG | Server <-------------------- DUT |
| 0:08:22.155384 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6c4, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 85054cf4) |
| 0:08:22.155384 | LOG | PULL\_RESP: Protocol version = 02, Token = ae39, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 680145687, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AxKbgAGOhIEYd8eXUrzYxqLtgNmxz9IibPTI/GA6Y+fYh6AfeY1NnWdW9MST8PvKTNCuS2fKSjz2j/gy2ikM1ZaEIT9ILBtd9FCnAIt3tuHremRfusdfVVx5H9sghI5xb9M3bgeMXgYcSY7ApSlNXTRb04FUvX8Y4hwtoLgB4ahlSkQgthQVM9A=='}} |
| 0:08:22.155384 | LOG | Server --------------------> DUT |
| 0:08:22.155384 | LOG | TX\_ACK: 02 ae39 05 aa555a0000240409 |
| 0:08:24.440018 | LOG | PULL\_DATA: 02 96a9 02 aa555a0000240409 |
| 0:08:24.440018 | LOG | PULL\_ACK: 02 96a9 04 |
| 0:08:26.972077 | LOG | PUSH\_ACK: 02 1545 01 |
| 0:08:26.972077 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1545, Identifier = 00, JSON = {'rxpk': [{'tmst': 682988199, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6AvwPgDribwK3M'}]} |
| 0:08:26.972077 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03bf, FOpts: ), FPort: e0, FRMPayload: 0330, MIC: 9bc0adcc) |
| 0:08:26.972077 | LOG | Server <-------------------- DUT |
| 0:08:26.972077 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6c5, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9c911aea) |
| 0:08:26.972077 | LOG | PULL\_RESP: Protocol version = 02, Token = 31e4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 684988199, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Axabgc4g70B3PdPVpsjkFnIEGLrkEe27bYkFeq97GjYBd9D8k+KgCWmKWlM1AbpYv3N85jEhja69q+SNPsgUSFm0+4/uTdxGkp230DMLL8/lCvV6IloJljar+NNglE+BSCl5oq0xNZZdyX9YIwEis1B0cbHayEO8g6Nd8h+FbbJdEU3WAnJEa6g=='}} |
| 0:08:26.972077 | LOG | Server --------------------> DUT |
| 0:08:26.972077 | LOG | TX\_ACK: 02 31e4 05 aa555a0000240409 |
| 0:08:31.846946 | LOG | PUSH\_ACK: 02 1546 01 |
| 0:08:31.848984 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1546, Identifier = 00, JSON = {'rxpk': [{'tmst': 687830769, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AwAPgarnDSCvC'}]} |
| 0:08:31.848984 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03c0, FOpts: ), FPort: e0, FRMPayload: 0331, MIC: c3482bc2) |
| 0:08:31.848984 | LOG | Server <-------------------- DUT |
| 0:08:31.848984 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6c6, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e2723512) |
| 0:08:31.848984 | LOG | PULL\_RESP: Protocol version = 02, Token = dba6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 689830769, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AxqbgCeiTY9F6xTDeZ9XtT8Z2eluB5V4MkiEeTSvt65kxIGHLsG0KGHNADT5kswzJpWzfi6Jkden8q/uOfk5NOqJ4wzqb3AZOIsdOA7jSlhg3MkX9DbFKE3SG/6Xvy30waq99hBfQogVoa89O2RZdl5BOCeQLo9fYDRO4Gmn3AcvGMCwh4nI1Eg=='}} |
| 0:08:31.848984 | LOG | Server --------------------> DUT |
| 0:08:31.848984 | LOG | TX\_ACK: 02 dba6 05 aa555a0000240409 |
| 0:08:34.543939 | LOG | PULL\_DATA: 02 86de 02 aa555a0000240409 |
| 0:08:34.543939 | LOG | PULL\_ACK: 02 86de 04 |
| 0:08:36.702977 | LOG | PUSH\_ACK: 02 1547 01 |
| 0:08:36.702977 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1547, Identifier = 00, JSON = {'rxpk': [{'tmst': 692673345, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AwQPgrivjGWO0'}]} |
| 0:08:36.702977 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03c1, FOpts: ), FPort: e0, FRMPayload: 0332, MIC: e31963b4) |
| 0:08:36.702977 | LOG | Server <-------------------- DUT |
| 0:08:36.702977 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6c7, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b80d9f75) |
| 0:08:36.702977 | LOG | PULL\_RESP: Protocol version = 02, Token = 671b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 694673345, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Ax6bgK2h0lqcB1BMsLZoC5TeDbnh/JvAykAp0XcxI+du3yM9galqoLtEixOPiYWbw7URi+5clV3UgKz/guElXLVsZGC88RbkWJOCvhZ+LZJI+2lDIyb1uakEiD6spZLDtn7W0Py7THLhigROrPZ180rp4dzY1UjLA97A26ofj2HJv6KCXuA2fdQ=='}} |
| 0:08:36.702977 | LOG | Server --------------------> DUT |
| 0:08:36.702977 | LOG | TX\_ACK: 02 671b 05 aa555a0000240409 |
| 0:08:41.508572 | LOG | PUSH\_ACK: 02 1548 01 |
| 0:08:41.510621 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1548, Identifier = 00, JSON = {'rxpk': [{'tmst': 697515911, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AwgPgEP2GsBDt'}]} |
| 0:08:41.510621 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03c2, FOpts: ), FPort: e0, FRMPayload: 0333, MIC: 86b010ed) |
| 0:08:41.510621 | LOG | Server <-------------------- DUT |
| 0:08:41.510621 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6c8, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4691c7ea) |
| 0:08:41.510621 | LOG | PULL\_RESP: Protocol version = 02, Token = 150e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 699515911, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AyKbgHhe2Kgmc1zQ8qFd7b3Y2kbJqqsuhGj2MRgSFlteMLAm2nWaiY+7JlxNrdMaLbzfZ8EVrQYDvdUFbkKYpKyVW5/jh8Mu4L+3aiglnxy/YKCsTlO8Av3DZHqRYxKFwPYww+Sbc+90unS1tUhqfMjFMUACfa+qGczCWmsKfA4vq1R4nRpHH6g=='}} |
| 0:08:41.510621 | LOG | Server --------------------> DUT |
| 0:08:41.510621 | LOG | TX\_ACK: 02 150e 05 aa555a0000240409 |
| 0:08:44.593180 | LOG | PULL\_DATA: 02 7e5b 02 aa555a0000240409 |
| 0:08:44.593180 | LOG | PULL\_ACK: 02 7e5b 04 |
| 0:08:46.370603 | LOG | PUSH\_ACK: 02 1549 01 |
| 0:08:46.372646 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1549, Identifier = 00, JSON = {'rxpk': [{'tmst': 702358448, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AwwPgZGOzMm1M'}]} |
| 0:08:46.372646 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03c3, FOpts: ), FPort: e0, FRMPayload: 0334, MIC: b3326d4c) |
| 0:08:46.372646 | LOG | Server <-------------------- DUT |
| 0:08:46.372646 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6c9, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a099f53d) |
| 0:08:46.372646 | LOG | PULL\_RESP: Protocol version = 02, Token = 523f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 704358448, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AyabgBGkbGIpeCsLWanUFy/alS+T/DoZCpTRxIT54WnuTp01YL9t2PkNto+TraN5UK5lx/AUgA/h+oEFXXGIRNXENyquF1clPCfPA+NPPZdOsw1D/8zZ/TvZUM2pt4m47MShwoTfIxyGSpXgtrY7plHX08V5FIMvtF0K5XwCLuhbgESjNoJn1PQ=='}} |
| 0:08:46.372646 | LOG | Server --------------------> DUT |
| 0:08:46.372646 | LOG | TX\_ACK: 02 523f 05 aa555a0000240409 |
| 0:08:51.280287 | LOG | PUSH\_ACK: 02 154a 01 |
| 0:08:51.280287 | LOG | PUSH\_DATA: Protocol version = 02, Token = 154a, Identifier = 00, JSON = {'rxpk': [{'tmst': 707241687, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AxAPgJBw+kkkx'}]} |
| 0:08:51.280287 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03c4, FOpts: ), FPort: e0, FRMPayload: 0335, MIC: 3e924931) |
| 0:08:51.280287 | LOG | Server <-------------------- DUT |
| 0:08:51.280287 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6ca, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9ffc9446) |
| 0:08:51.280287 | LOG | PULL\_RESP: Protocol version = 02, Token = 4665, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 709241687, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Ayqbgzzs42sfQdqpmZwDhMIGtQRMIPQwJQ4CCHWYsX0LjHQ41+G4W8keW45NbP39klT/iva2/WHJ+oEVju6yOGuznYKysK0I4AodCJ/6O0olfBTCm9PlaqE4noOIN1Bg2fImD8kTmu8PHvaPyRBWRr2XfvXj0LsY0wywPO8dw3cMyx/b9n/yURg=='}} |
| 0:08:51.280287 | LOG | Server --------------------> DUT |
| 0:08:51.280287 | LOG | TX\_ACK: 02 4665 05 aa555a0000240409 |
| 0:08:54.804852 | LOG | PULL\_DATA: 02 7e17 02 aa555a0000240409 |
| 0:08:54.804852 | LOG | PULL\_ACK: 02 7e17 04 |
| 0:08:56.067770 | LOG | PUSH\_ACK: 02 154c 01 |
| 0:08:56.069824 | LOG | PUSH\_DATA: Protocol version = 02, Token = 154c, Identifier = 00, JSON = {'rxpk': [{'tmst': 712084265, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AxQPgyngeZh1j'}]} |
| 0:08:56.069824 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03c5, FOpts: ), FPort: e0, FRMPayload: 0336, MIC: 1e661d63) |
| 0:08:56.069824 | LOG | Server <-------------------- DUT |
| 0:08:56.069824 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6cb, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ebb4f281) |
| 0:08:56.069824 | LOG | PULL\_RESP: Protocol version = 02, Token = 681f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 714084265, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Ay6bgjcJ/S8cjf0XzHc6ymFNZaIsStYSdN2jBW/I37kF5kN//JYaUp70ZU1FIEqpqP1ZlmEbJMymnvo9T700L1M0Ee+ocNbUMGNIFpQbJmOHIKZRsJ49TBJ7LgnLtlsQDSiaONT6Aua6TV3MNaHQb3BOQyaTPgFvXkYVKgoWOzsP2tzpf67TygQ=='}} |
| 0:08:56.069824 | LOG | Server --------------------> DUT |
| 0:08:56.069824 | LOG | TX\_ACK: 02 681f 05 aa555a0000240409 |
| 0:09:00.944593 | LOG | PUSH\_ACK: 02 154d 01 |
| 0:09:00.944593 | LOG | PUSH\_DATA: Protocol version = 02, Token = 154d, Identifier = 00, JSON = {'rxpk': [{'tmst': 716926833, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AxgPg5MeY4lEr'}]} |
| 0:09:00.944593 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03c6, FOpts: ), FPort: e0, FRMPayload: 0337, MIC: 98e2512b) |
| 0:09:00.944593 | LOG | Server <-------------------- DUT |
| 0:09:00.944593 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6cc, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7ff22ea3) |
| 0:09:00.944593 | LOG | PULL\_RESP: Protocol version = 02, Token = 4a5c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 718926833, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AzKbgVKLz9yalR5nUqZWuanyHZoAO+F8Zl9lOQyAzk6F0Qz8VNXEVoZLAfFUyjZDUgoXqyAHFj/VLxWXILGIcrfOSZiPk7ddDUCkQPv1RA5S3sOFCxrkZtWQAqensfqmQOMTbvYLlvjAoxzu77Hp8c5TDfSXU/6oxd5d9gnATfwOx2z0pf/Iuow=='}} |
| 0:09:00.944593 | LOG | Server --------------------> DUT |
| 0:09:00.944593 | LOG | TX\_ACK: 02 4a5c 05 aa555a0000240409 |
| 0:09:04.843499 | LOG | PULL\_DATA: 02 b357 02 aa555a0000240409 |
| 0:09:04.843499 | LOG | PULL\_ACK: 02 b357 04 |
| 0:09:05.743850 | LOG | PUSH\_ACK: 02 154e 01 |
| 0:09:05.743850 | LOG | PUSH\_DATA: Protocol version = 02, Token = 154e, Identifier = 00, JSON = {'rxpk': [{'tmst': 721769417, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AxwPgu5tydMi3'}]} |
| 0:09:05.743850 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03c7, FOpts: ), FPort: e0, FRMPayload: 0338, MIC: 7274c8b7) |
| 0:09:05.743850 | LOG | Server <-------------------- DUT |
| 0:09:05.743850 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6cd, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b0bcaa34) |
| 0:09:05.743850 | LOG | PULL\_RESP: Protocol version = 02, Token = 1b80, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 723769417, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Azabgcl7cofq54acN9hX7t6UagsOLeCnbH9sJJ2Ozv+cBHBQ/4MdWUQClLDBhxGzX0zIs6SUnALJOeaKp7WeSFbJ2xxEdNLVZ+Ez80wA5r1e6zolMiDhS0ttVTt70S4pGFLZIbgvS4zR1FWs+9btnRLqbXOrxISSR/y3Q7KAfjHLwPC0FsLyqNA=='}} |
| 0:09:05.743850 | LOG | Server --------------------> DUT |
| 0:09:05.743850 | LOG | TX\_ACK: 02 1b80 05 aa555a0000240409 |
| 0:09:10.578953 | LOG | PUSH\_ACK: 02 154f 01 |
| 0:09:10.580985 | LOG | PUSH\_DATA: Protocol version = 02, Token = 154f, Identifier = 00, JSON = {'rxpk': [{'tmst': 726612017, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AyAPg9wnQMYW3'}]} |
| 0:09:10.580985 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03c8, FOpts: ), FPort: e0, FRMPayload: 0339, MIC: d03185b7) |
| 0:09:10.580985 | LOG | Server <-------------------- DUT |
| 0:09:10.580985 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6ce, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 56598cd9) |
| 0:09:10.580985 | LOG | PULL\_RESP: Protocol version = 02, Token = a8f4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 728612017, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4AzqbgF7wPPjo4jhSQBEqluONi5LbQdveT4hqzXPH9caw0iXGA6VeX221+FX7yCkSkt/S0lGAyMWdUODV3Vqwih2GkcXAZgdTBW+w5oiFUj5s9CHDFlUcKWODadEoxLdtzeceXKMN76uMLVSOIi112ZMb6OknLDWrX28y+17zrisHeNamFVlmM2Q=='}} |
| 0:09:10.580985 | LOG | Server --------------------> DUT |
| 0:09:10.580985 | LOG | TX\_ACK: 02 a8f4 05 aa555a0000240409 |
| 0:09:14.901324 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:09:14.901324 | LOG | Previous uplink Frame type (FType): 101 |
| 0:09:14.931316 | LOG | PULL\_DATA: 02 f3b3 02 aa555a0000240409 |
| 0:09:14.931316 | LOG | PULL\_ACK: 02 f3b3 04 |
| 0:09:15.411753 | LOG | PUSH\_ACK: 02 1551 01 |
| 0:09:15.411753 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1551, Identifier = 00, JSON = {'rxpk': [{'tmst': 731454615, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AyQPgIy+ppl0s'}]} |
| 0:09:15.411753 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03c9, FOpts: ), FPort: e0, FRMPayload: 033a, MIC: a9a65d2c) |
| 0:09:15.411753 | LOG | Server <-------------------- DUT |
| 0:09:15.411753 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6cf, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1064f6dd) |
| 0:09:15.411753 | LOG | PULL\_RESP: Protocol version = 02, Token = 6085, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 733454615, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4Az6bgngm7LfQ6ByOPtGqsK/XJE3uS0k4kEhV2Ia4tElwK+lQ+LWI6D/U/bU5g0eP5DB5x2PCWXO4orbeJKXV9v0MEEOBDtPP6zePBsLnIB/GCmrzjXuDB4lt7o28RCsGjueo20b3nYHifW87v0zVP8MX2ookVsoV969Xtb3vfHzZebrDXEGT23Q=='}} |
| 0:09:15.411753 | LOG | Server --------------------> DUT |
| 0:09:15.411753 | LOG | TX\_ACK: 02 6085 05 aa555a0000240409 |
| 0:09:18.406590 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:09:18.408636 | LOG | Previous uplink Frame type (FType): 011 |
| 0:09:20.279930 | LOG | PUSH\_ACK: 02 1553 01 |
| 0:09:20.279930 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1553, Identifier = 00, JSON = {'rxpk': [{'tmst': 736297175, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AygPgWZ9zvzWv'}]} |
| 0:09:20.279930 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03ca, FOpts: ), FPort: e0, FRMPayload: 033b, MIC: 73bf35af) |
| 0:09:20.279930 | LOG | Server <-------------------- DUT |
| 0:09:20.279930 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6d0, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f4469a5f) |
| 0:09:20.279930 | LOG | PULL\_RESP: Protocol version = 02, Token = 8457, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 738297175, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A0KbgI3EcoFW/gJP4f4EcDIcEq/aMyvQvUALa2Q+5qyEqzptTBMqq8ZoTjdpVmyKuFpOGE6jWAMSN0lCutTjByWrCwlqPmd225YBV8QjYiVF/HztDvegu3gRdcdymVSPR7MWCJKcetrZhn9plbMeL8sDPnvQf8EN3yIQ3puKoVYwsJClU9EaaXw=='}} |
| 0:09:20.279930 | LOG | Server --------------------> DUT |
| 0:09:20.279930 | LOG | TX\_ACK: 02 8457 05 aa555a0000240409 |
| 0:09:25.024429 | LOG | PULL\_DATA: 02 2857 02 aa555a0000240409 |
| 0:09:25.024429 | LOG | PULL\_ACK: 02 2857 04 |
| 0:09:25.104502 | LOG | PUSH\_ACK: 02 1555 01 |
| 0:09:25.104502 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1555, Identifier = 00, JSON = {'rxpk': [{'tmst': 741139910, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AywPgbMpcdblj'}]} |
| 0:09:25.104502 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03cb, FOpts: ), FPort: e0, FRMPayload: 033c, MIC: 5c75b963) |
| 0:09:25.104502 | LOG | Server <-------------------- DUT |
| 0:09:25.104502 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6d1, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fc3093df) |
| 0:09:25.104502 | LOG | PULL\_RESP: Protocol version = 02, Token = b46a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 743139910, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A0abglt0xLITiaA7niyIrqZidcBctQynMkvBdwBnyhiN+nGj5JschozrAFYvVc0dbgxLICmJKo59q/HydBgDHJ+wNRtrDHyEwYnoTz2rVi2Z853oraB/9HNpqiepHvDoNXtrpBybCei30j/HjQ5DsPag4M1yxlvHRth1CR5Z7WEl8j9a8/DCT3w=='}} |
| 0:09:25.104502 | LOG | Server --------------------> DUT |
| 0:09:25.104502 | LOG | TX\_ACK: 02 b46a 05 aa555a0000240409 |
| 0:09:30.031880 | LOG | PUSH\_ACK: 02 1556 01 |
| 0:09:30.033953 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1556, Identifier = 00, JSON = {'rxpk': [{'tmst': 746022989, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AzAPgLQYQPH95'}]} |
| 0:09:30.033953 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03cc, FOpts: ), FPort: e0, FRMPayload: 033d, MIC: 103c7f79) |
| 0:09:30.033953 | LOG | Server <-------------------- DUT |
| 0:09:30.033953 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6d2, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f6d1f102) |
| 0:09:30.033953 | LOG | PULL\_RESP: Protocol version = 02, Token = 8355, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 748022989, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A0qbgdoCM6MQaqTrszOqLaDT/i24H86cMyikkDbNcebMAIKtsueBx3KeTPXSwSwCQRpNYUU7Ahevb979Pr8eb2bxvn2JCplTOoxyL9s5nVoA+6iqRih7LzPhQFIVXANAlYNOdca/YZZZrBRUnE78NYpeWOIhYWKfRNyJZ1qxqgJiOXPNY9tHxAg=='}} |
| 0:09:30.033953 | LOG | Server --------------------> DUT |
| 0:09:30.033953 | LOG | TX\_ACK: 02 8355 05 aa555a0000240409 |
| 0:09:34.861321 | LOG | PUSH\_ACK: 02 1557 01 |
| 0:09:34.863439 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1557, Identifier = 00, JSON = {'rxpk': [{'tmst': 750865504, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AzQPg7mkJD28L'}]} |
| 0:09:34.863439 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03cd, FOpts: ), FPort: e0, FRMPayload: 033e, MIC: 090f6f0b) |
| 0:09:34.863439 | LOG | Server <-------------------- DUT |
| 0:09:34.863439 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6d3, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fc7ade6a) |
| 0:09:34.863439 | LOG | PULL\_RESP: Protocol version = 02, Token = 5651, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 752865504, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A06bgFiw9mPozAzmVnroSy9PhCZUHzXifmEKCs+8ZOl91Gc7PFSK4g8o0/O55j5PpfUgUnekS3L2/EJPjgG6d1vH0wl0UXwkmb0y7sJjzkrzBeojuW3JLG0cprBNZo6aS0cAvOho5cwwrELAy/4OcphFVys2Nj++LsmLs3dI6TaXU+nMS/Hreag=='}} |
| 0:09:34.863439 | LOG | Server --------------------> DUT |
| 0:09:34.863439 | LOG | TX\_ACK: 02 5651 05 aa555a0000240409 |
| 0:09:35.081372 | LOG | PULL\_DATA: 02 1144 02 aa555a0000240409 |
| 0:09:35.081372 | LOG | PULL\_ACK: 02 1144 04 |
| 0:09:39.678429 | LOG | PUSH\_ACK: 02 1558 01 |
| 0:09:39.678429 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1558, Identifier = 00, JSON = {'rxpk': [{'tmst': 755708103, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AzgPg0NOx6it5'}]} |
| 0:09:39.678429 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03ce, FOpts: ), FPort: e0, FRMPayload: 033f, MIC: b1ea2b79) |
| 0:09:39.678429 | LOG | Server <-------------------- DUT |
| 0:09:39.678429 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6d4, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0a77ef62) |
| 0:09:39.678429 | LOG | PULL\_RESP: Protocol version = 02, Token = 8805, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 757708103, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A1Kbg8OplbrW7AB+WUNk2TZO8e095yhO2i7KjWwoH7ug7pfRoKuEs7rOzp9NNe+e/mFvR4W2z9Pi6UYE+FixiHsKK/YOAN7gq70KggOdssAlUQYOz+Crf508F3DXlHmydOBcUnj9myiwDORhG+3SlFeRwctQgBMJxvqtnoE8UH9NDkJJgCnfvYg=='}} |
| 0:09:39.678429 | LOG | Server --------------------> DUT |
| 0:09:39.684969 | LOG | TX\_ACK: 02 8805 05 aa555a0000240409 |
| 0:09:44.524681 | LOG | PUSH\_ACK: 02 1559 01 |
| 0:09:44.524681 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1559, Identifier = 00, JSON = {'rxpk': [{'tmst': 760550630, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AzwPgdu1GTeIs'}]} |
| 0:09:44.524681 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03cf, FOpts: ), FPort: e0, FRMPayload: 0340, MIC: 464de22c) |
| 0:09:44.524681 | LOG | Server <-------------------- DUT |
| 0:09:44.524681 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6d5, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a8093933) |
| 0:09:44.524681 | LOG | PULL\_RESP: Protocol version = 02, Token = be57, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 762550630, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A1abgE7sKDKCd96otCp+FiPP0sjHaYiAC1VCUfHayQAxYkbeVucyJEcXvVzlwiTlY2ejQsTzkaRasTnWFxyh1IRaQ/mf0+TmPHOWc5l0PA7gbX+0KkJjJuS12T34FgSkHay4Lsyi/z+2y1o2t9MlkiGhbcKSN3nAHMfEhp23mf0AUYzhYqAk5Mw=='}} |
| 0:09:44.524681 | LOG | Server --------------------> DUT |
| 0:09:44.524681 | LOG | TX\_ACK: 02 be57 05 aa555a0000240409 |
| 0:09:45.143063 | LOG | PULL\_DATA: 02 f99b 02 aa555a0000240409 |
| 0:09:45.143063 | LOG | PULL\_ACK: 02 f99b 04 |
| 0:09:49.365395 | LOG | PUSH\_ACK: 02 155a 01 |
| 0:09:49.367431 | LOG | PUSH\_DATA: Protocol version = 02, Token = 155a, Identifier = 00, JSON = {'rxpk': [{'tmst': 765393253, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A0APg4aW0zCVe'}]} |
| 0:09:49.367431 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03d0, FOpts: ), FPort: e0, FRMPayload: 0341, MIC: b4cc255e) |
| 0:09:49.367431 | LOG | Server <-------------------- DUT |
| 0:09:49.367431 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6d6, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 883d2322) |
| 0:09:49.367431 | LOG | PULL\_RESP: Protocol version = 02, Token = 0e1a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 767393253, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A1qbgQBP1AlUG27oOlqDzDIa6/2GvFXyOLWfiYH2YZSQUvyUnc3U8i6Ye+r2qhHBcSzhmsIH7aAKa7aq8dx1PRg1LeYmfzop42DzSupdgn4zBpR1wqS+iSnrV1Fq1mGJyZ/EIhbXgjHT9WmJlG91RxHwv8hQd3eH9eiQml0CGBf5BoNkKiD0jIg=='}} |
| 0:09:49.367431 | LOG | Server --------------------> DUT |
| 0:09:49.367431 | LOG | TX\_ACK: 02 0e1a 05 aa555a0000240409 |
| 0:09:54.214367 | LOG | PUSH\_ACK: 02 155b 01 |
| 0:09:54.216455 | LOG | PUSH\_DATA: Protocol version = 02, Token = 155b, Identifier = 00, JSON = {'rxpk': [{'tmst': 770235845, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -48, 'size': 15, 'data': 'QO++rd6A0QPgTYYta+iN'}]} |
| 0:09:54.216455 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03d1, FOpts: ), FPort: e0, FRMPayload: 0342, MIC: 2d6be88d) |
| 0:09:54.216455 | LOG | Server <-------------------- DUT |
| 0:09:54.216455 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6d7, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 2423580b) |
| 0:09:54.216455 | LOG | PULL\_RESP: Protocol version = 02, Token = 77f9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 772235845, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A16bgBKLEKv0MEBVsxm8Itzr2syqfjnJzZkXr4LuGX16PXXkERz2tHcmT778B53/rglMSLd0VO2EsRE1wbo9+Bty3/aJeEkWKSw+sf6dej+tpKaZmbixGNlj7yB+C+A8/TXe2zy4NL163MRJAuCHXV7PCQb7oHVnXuRVtB10uNxBvoifLJCNYCw=='}} |
| 0:09:54.216455 | LOG | Server --------------------> DUT |
| 0:09:54.216455 | LOG | TX\_ACK: 02 77f9 05 aa555a0000240409 |
| 0:09:55.255366 | LOG | PULL\_DATA: 02 6138 02 aa555a0000240409 |
| 0:09:55.255366 | LOG | PULL\_ACK: 02 6138 04 |
| 0:09:59.055597 | LOG | PUSH\_ACK: 02 155d 01 |
| 0:09:59.055597 | LOG | PUSH\_DATA: Protocol version = 02, Token = 155d, Identifier = 00, JSON = {'rxpk': [{'tmst': 775078350, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6A0gPgF2v/5qA9'}]} |
| 0:09:59.055597 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03d2, FOpts: ), FPort: e0, FRMPayload: 0343, MIC: ffe6a03d) |
| 0:09:59.055597 | LOG | Server <-------------------- DUT |
| 0:09:59.055597 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6d8, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b61bf232) |
| 0:09:59.055597 | LOG | PULL\_RESP: Protocol version = 02, Token = 3c7d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 777078350, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A2KbgYv9KKnvtGiJC+c52G3hun7Z0N6snGsTDje4gBsT/pcktr4i30+p3gj8HrM5OBnHsjwtHSl/DzT0u9HzmQjOVzg8OVF6dEVdxkuxy4fCdT9EJkZAmaXFTYcFCEsXbxii40ZdeIGOnp05mJHCdej0G06H8DrKsxhl5LMe9aGCVirJwthvyMg=='}} |
| 0:09:59.055597 | LOG | Server --------------------> DUT |
| 0:09:59.055597 | LOG | TX\_ACK: 02 3c7d 05 aa555a0000240409 |
| 0:10:03.904554 | LOG | PUSH\_ACK: 02 155e 01 |
| 0:10:03.906571 | LOG | PUSH\_DATA: Protocol version = 02, Token = 155e, Identifier = 00, JSON = {'rxpk': [{'tmst': 779920957, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A0wPgMVsu8Wp4'}]} |
| 0:10:03.906571 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03d3, FOpts: ), FPort: e0, FRMPayload: 0344, MIC: 2ef16a78) |
| 0:10:03.906571 | LOG | Server <-------------------- DUT |
| 0:10:03.906571 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6d9, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0d2ae84c) |
| 0:10:03.906571 | LOG | PULL\_RESP: Protocol version = 02, Token = de94, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 781920957, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A2abg2YsYRu1u+cAAFzyjwAW+h89TkLU9HQzuRwVLzB1Kd9vHL4AyOm6Q+MuLakAgcJBVA4V7GqWv9lB/TsBOM6OCgKSHOsW3N5gMFPecWrYmfrPT8WVzbC+Y81P9Pa5LiYUlT7G3s4at9IY9LddGIYuEqLBksXGzYGxfcAgValB9k+ueDSroTA=='}} |
| 0:10:03.906571 | LOG | Server --------------------> DUT |
| 0:10:03.906571 | LOG | TX\_ACK: 02 de94 05 aa555a0000240409 |
| 0:10:05.334995 | LOG | PULL\_DATA: 02 aa24 02 aa555a0000240409 |
| 0:10:05.334995 | LOG | PULL\_ACK: 02 aa24 04 |
| 0:10:08.824587 | LOG | PUSH\_ACK: 02 155f 01 |
| 0:10:08.824587 | LOG | PUSH\_DATA: Protocol version = 02, Token = 155f, Identifier = 00, JSON = {'rxpk': [{'tmst': 784804174, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A1APgRHWXfy2K'}]} |
| 0:10:08.824587 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03d4, FOpts: ), FPort: e0, FRMPayload: 0345, MIC: 977f2d8a) |
| 0:10:08.824587 | LOG | Server <-------------------- DUT |
| 0:10:08.824587 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6da, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9c28fb3a) |
| 0:10:08.824587 | LOG | PULL\_RESP: Protocol version = 02, Token = c875, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 786804174, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A2qbg6aFj4ydpfKkXjm6Kdu1LFFa9NFPiEc7bHMGk22DVAVFgYmotmDwT+FwDa2Ek4k89qLgxgeduTh9PxUB4lPjBW35vL812OM/XDgnKDq0MBDrI1LAGAHbVCJzAlvUE+i/u7gu+tfMjXhDss1aey9cz6U1yo/QoL7pHjfTBU/UhckO9nCj7Og=='}} |
| 0:10:08.824587 | LOG | Server --------------------> DUT |
| 0:10:08.824587 | LOG | TX\_ACK: 02 c875 05 aa555a0000240409 |
| 0:10:13.660379 | LOG | PUSH\_ACK: 02 1560 01 |
| 0:10:13.662397 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1560, Identifier = 00, JSON = {'rxpk': [{'tmst': 789646789, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A1QPgKyfRxlgq'}]} |
| 0:10:13.662397 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03d5, FOpts: ), FPort: e0, FRMPayload: 0346, MIC: d1c6582a) |
| 0:10:13.662397 | LOG | Server <-------------------- DUT |
| 0:10:13.662397 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6db, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ce674f42) |
| 0:10:13.662397 | LOG | PULL\_RESP: Protocol version = 02, Token = 755d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 791646789, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A26bgKpGaP9czkzJnyTSVhM8Mgg2Sv2RLq7XMwyaMIXYHjujVlxJ6PtItNJIKA94pX7/MXLn6w4mKVDs9oTJBvcDnGT2+NODa+KS7O0D4UgZq1sd11FgEcdT9sEDikLe4e6KDqulRH1XknQGRDQ4J6+JPmmyWbRaSHkppQWjBRcqk6trTzmdPQg=='}} |
| 0:10:13.662397 | LOG | Server --------------------> DUT |
| 0:10:13.662397 | LOG | TX\_ACK: 02 755d 05 aa555a0000240409 |
| 0:10:15.517432 | LOG | PULL\_DATA: 02 36ad 02 aa555a0000240409 |
| 0:10:15.517432 | LOG | PULL\_ACK: 02 36ad 04 |
| 0:10:18.447963 | LOG | PUSH\_ACK: 02 1561 01 |
| 0:10:18.447963 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1561, Identifier = 00, JSON = {'rxpk': [{'tmst': 794489338, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A1gPgiAXqvSZX'}]} |
| 0:10:18.447963 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03d6, FOpts: ), FPort: e0, FRMPayload: 0347, MIC: eabd2657) |
| 0:10:18.447963 | LOG | Server <-------------------- DUT |
| 0:10:18.447963 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6dc, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c856d087) |
| 0:10:18.447963 | LOG | PULL\_RESP: Protocol version = 02, Token = 73b4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 796489338, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A3KbgWFN7fTAlTLMH69u5QDLk/C3cWXRO+efKSr5Ji19/WRmK0H9S6VSpAG3DFZKwM76g74+ip+fIPVA8uHmXWRKLMwtMf/axU+G9resV8KEiMdJapWjjcvS+YBYGdAzjff0U9k/8xlGtHKo4hjK5yO64EmjGPKmf2xl84ce77mOz0U6xyFbQhw=='}} |
| 0:10:18.447963 | LOG | Server --------------------> DUT |
| 0:10:18.447963 | LOG | TX\_ACK: 02 73b4 05 aa555a0000240409 |
| 0:10:23.300371 | LOG | PUSH\_ACK: 02 1562 01 |
| 0:10:23.302435 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1562, Identifier = 00, JSON = {'rxpk': [{'tmst': 799331890, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A1wPgJI7elWiX'}]} |
| 0:10:23.302435 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03d7, FOpts: ), FPort: e0, FRMPayload: 0348, MIC: de956897) |
| 0:10:23.302435 | LOG | Server <-------------------- DUT |
| 0:10:23.302435 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6dd, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c9b35113) |
| 0:10:23.302435 | LOG | PULL\_RESP: Protocol version = 02, Token = f417, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 801331890, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A3abg6NOAq39Wll+B1xrrbMoGq8V/tFqS3elor3EL7s+laede3dph7JgVt2jGHxWwPcJlZ3ctV/XT/xw6kxOrCkwCUCcvlrWvF9KjMVtn8B/bEeFG17XDt37VzZU46YVZ34kfa8U4klqPAPUamcfrty8O9w5vSYsxxrtICmnRkrhdyJXDybNREw=='}} |
| 0:10:23.302435 | LOG | Server --------------------> DUT |
| 0:10:23.302435 | LOG | TX\_ACK: 02 f417 05 aa555a0000240409 |
| 0:10:25.580737 | LOG | PULL\_DATA: 02 b023 02 aa555a0000240409 |
| 0:10:25.580737 | LOG | PULL\_ACK: 02 b023 04 |
| 0:10:28.130746 | LOG | PUSH\_ACK: 02 1564 01 |
| 0:10:28.130746 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1564, Identifier = 00, JSON = {'rxpk': [{'tmst': 804174370, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6A2APgeBw/HUJr'}]} |
| 0:10:28.130746 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03d8, FOpts: ), FPort: e0, FRMPayload: 0349, MIC: 3f1d426b) |
| 0:10:28.130746 | LOG | Server <-------------------- DUT |
| 0:10:28.130746 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6de, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c5a70cf2) |
| 0:10:28.130746 | LOG | PULL\_RESP: Protocol version = 02, Token = 13d3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 806174370, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A3qbg3LjRLCgyxfz6hk/t/RGEEVyDFkEdfW9tO865666tjnYn8xRJzqiWojDIAwOrxEwMcWj64WS/kV2w1TGpCysG3LtdPkaVnHZHsvg5jJkniU9LhGNRGCabIESrbDEeI66QEdXg5xhxGbNxM8u/FzWy6BW4Igv8ln3c4KR8KroDrJjGxacM8g=='}} |
| 0:10:28.130746 | LOG | Server --------------------> DUT |
| 0:10:28.130746 | LOG | TX\_ACK: 02 13d3 05 aa555a0000240409 |
| 0:10:33.031854 | LOG | PUSH\_ACK: 02 1565 01 |
| 0:10:33.031854 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1565, Identifier = 00, JSON = {'rxpk': [{'tmst': 809016980, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -52, 'size': 15, 'data': 'QO++rd6A2QPghZsxsWRt'}]} |
| 0:10:33.031854 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03d9, FOpts: ), FPort: e0, FRMPayload: 034a, MIC: 31b1646d) |
| 0:10:33.031854 | LOG | Server <-------------------- DUT |
| 0:10:33.031854 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6df, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d8e3a330) |
| 0:10:33.031854 | LOG | PULL\_RESP: Protocol version = 02, Token = 1415, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 811016980, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 142, 'data': 'YO++rd4A36bgFVzavDhfbwVtjLbzxeOLdgnocp3X+CcTCzsKAyU54q9CtdrV44UsW3DGzuaNbwnk3Y6STzv/Tt53tnura1MSfWVVCDg3IB5C/mc6IZGlFgZzf50b3XluhpEmcQIN8UGd/vFT+Be8EJzzSdizCpG0ToWAJpCJqHcTO11c8NWjoGkZ2OOjMA=='}} |
| 0:10:33.031854 | LOG | Server --------------------> DUT |
| 0:10:33.031854 | LOG | TX\_ACK: 02 1415 05 aa555a0000240409 |
| 0:10:35.685586 | LOG | PULL\_DATA: 02 4987 02 aa555a0000240409 |
| 0:10:35.685586 | LOG | PULL\_ACK: 02 4987 04 |
| 0:10:37.858152 | LOG | PUSH\_ACK: 02 1566 01 |
| 0:10:37.860195 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1566, Identifier = 00, JSON = {'rxpk': [{'tmst': 813859725, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6A2gPgdanTvbBu'}]} |
| 0:10:37.860195 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03da, FOpts: ), FPort: e0, FRMPayload: 034b, MIC: d3bdb06e) |
| 0:10:37.860195 | LOG | Server <-------------------- DUT |
| 0:10:37.868256 | LOG | Number of downlinks: 60 |
| 0:10:37.868256 | LOG | Number of errors: 0 |
| 0:10:37.868256 | LOG | Packet Error Rate (%): 0.0 |
| 0:10:37.878228 | LOG | Packet error rate SF8BW125 process tested successfully |
| 0:10:37.878228 | LOG | End Test Step: Test packet error rate for SF11BW500 using RX2 window |
| 0:10:37.878228 | LOG | Partial Verdict: PASS |
| 0:10:37.878228 | LOG | ========================================================= |
| 0:10:37.888236 | LOG | ========================================================= |
| 0:10:37.888236 | LOG | Start Test Step: Test packet error rate for SF10BW500 using RX2 window |
| 0:10:37.898229 | LOG | Send RXParamSetupReq process starts |
| 0:10:42.736637 | LOG | PUSH\_ACK: 02 1567 01 |
| 0:10:42.736637 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1567, Identifier = 00, JSON = {'rxpk': [{'tmst': 818702269, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A2wPg0BTJyyw6'}]} |
| 0:10:42.736637 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03db, FOpts: ), FPort: e0, FRMPayload: 034b, MIC: c9cb2c3a) |
| 0:10:42.736637 | LOG | Server <-------------------- DUT |
| 0:10:42.736637 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6e0, FOpts: ), FPort: 00, FRMPayload: 050a68e28c), MIC: 67aac7c8) |
| 0:10:42.736637 | LOG | PULL\_RESP: Protocol version = 02, Token = 1039, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 819702269, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A4KYAI9dhdzFnqsfI'}} |
| 0:10:42.736637 | LOG | Server --------------------> DUT |
| 0:10:42.736637 | LOG | TX\_ACK: 02 1039 05 aa555a0000240409 |
| 0:10:45.795151 | LOG | PULL\_DATA: 02 32b1 02 aa555a0000240409 |
| 0:10:45.795151 | LOG | PULL\_ACK: 02 32b1 04 |
| 0:10:47.623497 | LOG | PUSH\_ACK: 02 1568 01 |
| 0:10:47.623497 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1568, Identifier = 00, JSON = {'rxpk': [{'tmst': 823585685, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -49, 'size': 17, 'data': 'QO++rd6C3AMFB+DTMnc9NCQ='}]} |
| 0:10:47.623497 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 03dc, FOpts: 0507), FPort: e0, FRMPayload: 034c, MIC: 773d3424) |
| 0:10:47.623497 | LOG | Server <-------------------- DUT |
| 0:10:47.623497 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:10:47.623497 | LOG | Command Answer: 0507 |
| 0:10:47.633489 | LOG | Send ACK to DUT process starts |
| 0:10:47.633489 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6e1, FOpts: ), FPort: , FRMPayload: ), MIC: ebf6b908) |
| 0:10:47.633489 | LOG | PULL\_RESP: Protocol version = 02, Token = a29a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 824585685, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4A4abr9rkI'}} |
| 0:10:47.633489 | LOG | Server --------------------> DUT |
| 0:10:47.633489 | LOG | Send ACK to DUT tested successfully |
| 0:10:47.643460 | LOG | MAC command communication completed |
| 0:10:47.643460 | LOG | Packet error rate (Unconfirmed) SF8BW125 process starts |
| 0:10:52.443198 | LOG | PUSH\_ACK: 02 1569 01 |
| 0:10:52.445246 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1569, Identifier = 00, JSON = {'rxpk': [{'tmst': 828427900, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A3QPgakUHIJPO'}]} |
| 0:10:52.445246 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03dd, FOpts: ), FPort: e0, FRMPayload: 034d, MIC: 072093ce) |
| 0:10:52.445246 | LOG | Server <-------------------- DUT |
| 0:10:52.445246 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6e2, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a3cc0f04) |
| 0:10:52.445246 | LOG | PULL\_RESP: Protocol version = 02, Token = bf2f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 830427900, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A4qbghH85U3npMIDhPhT7c7qjaSenZuLsEJ13T+lAbbi90PA9bKs7dvF2Bt9N27mlHwdBWMJ9Y38/W+d29TVo1v4IUUC+zYflx1eiiEn2SJMR5NVoZF6jei7LgN71/gKLDFdKNpvBs5dCBV25qcFpl8uxnvWUymMaM0LpXJOwrD3nS8wxCvAxSMCsB2eeNVQJCwqbvvIujYJ3t3SfAlSBzjUXvnLhu1MKvcHE4si5l6m9Aix3YyRxGkkKlMWhh6dbrn6zpe2aJqLQ3HEoZXDhmb+UbrU3jaT76LB/oSeR3spH/c/6ndVtmFLReT+7IP84uHlMO0WjzA8E'}} |
| 0:10:52.445246 | LOG | Server --------------------> DUT |
| 0:10:52.445246 | LOG | TX\_ACK: 02 bf2f 05 aa555a0000240409 |
| 0:10:55.928632 | LOG | PULL\_DATA: 02 a0bf 02 aa555a0000240409 |
| 0:10:55.928632 | LOG | PULL\_ACK: 02 a0bf 04 |
| 0:10:57.238752 | LOG | PUSH\_ACK: 02 156b 01 |
| 0:10:57.238752 | LOG | PUSH\_DATA: Protocol version = 02, Token = 156b, Identifier = 00, JSON = {'rxpk': [{'tmst': 833270475, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A3gPgUVbxH+8X'}]} |
| 0:10:57.238752 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03de, FOpts: ), FPort: e0, FRMPayload: 034e, MIC: f11fef17) |
| 0:10:57.238752 | LOG | Server <-------------------- DUT |
| 0:10:57.238752 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6e3, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 33adc0ad) |
| 0:10:57.238752 | LOG | PULL\_RESP: Protocol version = 02, Token = c4ce, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 835270475, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A46bgOxuUlmQtGBDD/KtrfGI4REQe7B3Tm0icnhZDBPRTRTNfbJei74x4+G3CNhI8RMZ6uDrzZtBjH6BQ08q+X2gg1mNn3ITgPh7rBmfeLgMUklFF7R6+idJa5u7dM1FLBZPdAsFhAHmQI+EvRs8jonWH/SD+VO8hz7XL8NltZDYC3BrJckoKIxlFSthnzfj27L8O7/hCEUfzWif+xKBI2+iz5pLq1oahLzXa1hQiVuqWWhBUFR8a1zSRCQw/lGMLKsll0XkG04hVn71QhKZrRt14sgFAvYuEoxV9qES8AA04DXwVADQz8OHXbUR756w0RUeKF+EzrcCt'}} |
| 0:10:57.238752 | LOG | Server --------------------> DUT |
| 0:10:57.238752 | LOG | TX\_ACK: 02 c4ce 05 aa555a0000240409 |
| 0:11:02.116365 | LOG | PUSH\_ACK: 02 156c 01 |
| 0:11:02.116365 | LOG | PUSH\_DATA: Protocol version = 02, Token = 156c, Identifier = 00, JSON = {'rxpk': [{'tmst': 838113212, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A3wPgHOpkxuoY'}]} |
| 0:11:02.116365 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03df, FOpts: ), FPort: e0, FRMPayload: 034f, MIC: 64c6ea18) |
| 0:11:02.116365 | LOG | Server <-------------------- DUT |
| 0:11:02.116365 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6e4, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8e351c26) |
| 0:11:02.116365 | LOG | PULL\_RESP: Protocol version = 02, Token = b91f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 840113212, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A5Kbg9X2cedMHKPKdQjOlyRagZuXTzcHOgkQiG9asrqEtny8CxKXagZkEHarvx8XY1ziMu/YRdj7fLzhjA1cCD6qfyscA26rdX9m40inv2KpHNJfhCvr3kOuts2K9wcin6aIZEMCidOfhaksHLukN+aQoZz1/iWEr5APs7mcNYUADPo+CnhufuWk1GcQC4TY9SVpPamdACwHy9kogXMBhvi0iACvuyRPL7PPLi4MmibyOlFXT9QtA26RFYIWymXfTcvYbYkONsfvkcwkl/j3Ju3xflGM2HQxyCnDOcXybAjDDlWhcQpdtgol33oVv+6a08pWeoa+ONRwm'}} |
| 0:11:02.116365 | LOG | Server --------------------> DUT |
| 0:11:02.116365 | LOG | TX\_ACK: 02 b91f 05 aa555a0000240409 |
| 0:11:06.018014 | LOG | PULL\_DATA: 02 10c0 02 aa555a0000240409 |
| 0:11:06.018014 | LOG | PULL\_ACK: 02 10c0 04 |
| 0:11:06.928072 | LOG | PUSH\_ACK: 02 156d 01 |
| 0:11:06.928072 | LOG | PUSH\_DATA: Protocol version = 02, Token = 156d, Identifier = 00, JSON = {'rxpk': [{'tmst': 842955843, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A4APgx8XRwO4Q'}]} |
| 0:11:06.928072 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03e0, FOpts: ), FPort: e0, FRMPayload: 0350, MIC: d1c0ee10) |
| 0:11:06.928072 | LOG | Server <-------------------- DUT |
| 0:11:06.928072 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6e5, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4f9ff4e0) |
| 0:11:06.928072 | LOG | PULL\_RESP: Protocol version = 02, Token = 90b0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 844955843, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A5abgqJ014pMma3D3yHTDl4JiIvvpQUQnfIT7shd7vGAJ3PpZKl5XS5hgnejto+sWK45P6Da7U900QjjEAVcOYlFrj8R8CBdR8maedZAX7EleBSR+Y0HQJdtP5FwC/VJx6I8PF9sTbdoBCcUuRAkdi0FfzY0HA1M08c8hOkS/fNrICVf6XPgoUWKsBNKaFl/X6XdDXaxqayRgywpttF1LAGc6w2XyItpGNRKLE28eTIuNzdMtjJxXR6ShG7JcVek87O1mxHZ6E/f5oM/yBaf3XmOSSHm7MMaaoQfCEm/wux3eKNLzJM2RYTJDZbXOeoGH7EvxVXFPn/Tg'}} |
| 0:11:06.928072 | LOG | Server --------------------> DUT |
| 0:11:06.928072 | LOG | TX\_ACK: 02 90b0 05 aa555a0000240409 |
| 0:11:11.776064 | LOG | PUSH\_ACK: 02 156e 01 |
| 0:11:11.778141 | LOG | PUSH\_DATA: Protocol version = 02, Token = 156e, Identifier = 00, JSON = {'rxpk': [{'tmst': 847798402, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A4QPgjAo2r4wp'}]} |
| 0:11:11.778141 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03e1, FOpts: ), FPort: e0, FRMPayload: 0351, MIC: 36af8c29) |
| 0:11:11.778141 | LOG | Server <-------------------- DUT |
| 0:11:11.778141 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6e6, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8341f32d) |
| 0:11:11.778141 | LOG | PULL\_RESP: Protocol version = 02, Token = 7312, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 849798402, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A5qbgcP/CPaJrtJDSNjpk5wdLtXqot9tAkfVYpqZdN4JASa6JZcWjNxTAmHKJSv5PgnqIt0Tqj5oYNbTN9F8KXsxOrzg6sPB8bZWvAADIeoxGJyGG2RI1OR3LqmQafYy2kbLYyrQRD5mjIvC8GuGU6IDdff4yPHcCwzBVzDxZIx7wA2yc0YMAnsvXNbYqvILEdtoLozc1L8VJuxg2kvGas7whV5pOYsUWjhVSBtMuBscPYPs6CpMUkvFEL8FaMwtFDG9bgse31QY4LLcyNalh4idgBu0HdoCXQXlaJJ3FgAeLKIec3IYYR9Bfgb50SRyI8drcKHaDQfMt'}} |
| 0:11:11.778141 | LOG | Server --------------------> DUT |
| 0:11:11.778141 | LOG | TX\_ACK: 02 7312 05 aa555a0000240409 |
| 0:11:16.087478 | LOG | PULL\_DATA: 02 b4fd 02 aa555a0000240409 |
| 0:11:16.087478 | LOG | PULL\_ACK: 02 b4fd 04 |
| 0:11:16.607574 | LOG | PUSH\_ACK: 02 156f 01 |
| 0:11:16.607574 | LOG | PUSH\_DATA: Protocol version = 02, Token = 156f, Identifier = 00, JSON = {'rxpk': [{'tmst': 852641010, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A4gPgpvHUuRXd'}]} |
| 0:11:16.607574 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03e2, FOpts: ), FPort: e0, FRMPayload: 0352, MIC: d4b915dd) |
| 0:11:16.607574 | LOG | Server <-------------------- DUT |
| 0:11:16.607574 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6e7, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9ddda0e1) |
| 0:11:16.607574 | LOG | PULL\_RESP: Protocol version = 02, Token = 865e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 854641010, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A56bgIBVwAsRsMrxNJOFe5BhRXKpKprPrB47G1oDI1kYOHeombEbrYGP5IXhf2ITjphgeYpfHfxmpFnOujP8TXai4OhV0bhN+ExQZxU9fndQfaquLZaTH5seaLzPW5mCI1nuqayOopfFldvM53CdIMUb5bYgcbLOw2q0ob1+z/Ch02A30SMg/3pN/DuXS55uCI0/R3/3HU1exvyXEBqzAHJoJlBkwODblfqmIzPaz5j946dp2TxZPc8HhiP8lfntDLCb+9zAScPVZv21Z7//M2E79KMvRkmHefcLNQRWoylPat56VgVjsfifElSUtI2anhM+F+L+d3aDh'}} |
| 0:11:16.607574 | LOG | Server --------------------> DUT |
| 0:11:16.607574 | LOG | TX\_ACK: 02 865e 05 aa555a0000240409 |
| 0:11:21.484065 | LOG | PUSH\_ACK: 02 1570 01 |
| 0:11:21.484065 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1570, Identifier = 00, JSON = {'rxpk': [{'tmst': 857483620, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A4wPgdTdSg73y'}]} |
| 0:11:21.484065 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03e3, FOpts: ), FPort: e0, FRMPayload: 0353, MIC: 5283bdf2) |
| 0:11:21.484065 | LOG | Server <-------------------- DUT |
| 0:11:21.484065 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6e8, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d845efd6) |
| 0:11:21.484065 | LOG | PULL\_RESP: Protocol version = 02, Token = d2bc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 859483620, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A6Kbgb6MgXHH3kdhWhcJzdl96U6S59rFE6tmtjUxnHGFQcnCamPoCHNmAVuzS9y6N0nQIa4tvyBXU3hbYYzn+HXm6dqllDB3Xx0p9Pq2k8Xql3PHEY9TfZhwguqLj2EYwZA1Y5i0evR6dcSpf/GskKGb1tcFwUj7IsFE0x/W+ejeYnNH0wG0qS8TxRwSrofySwi9Sb85QX0wXDx9fcJri6ezwmotDwkGilFceURuRSFx0xthJ3a/to0qjbpxMTUJ8dGtBszVqJEUeMva8Am2+AH55Kz+Fq5HOugadnf0AkTiruSgn9tzKT4mDDXYRukJG2xNpIN7YRe/W'}} |
| 0:11:21.484065 | LOG | Server --------------------> DUT |
| 0:11:21.484065 | LOG | TX\_ACK: 02 d2bc 05 aa555a0000240409 |
| 0:11:26.208228 | LOG | PULL\_DATA: 02 2552 02 aa555a0000240409 |
| 0:11:26.208228 | LOG | PULL\_ACK: 02 2552 04 |
| 0:11:26.388667 | LOG | PUSH\_ACK: 02 1572 01 |
| 0:11:26.388667 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1572, Identifier = 00, JSON = {'rxpk': [{'tmst': 862366724, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A5APgaVk9IVxT'}]} |
| 0:11:26.388667 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03e4, FOpts: ), FPort: e0, FRMPayload: 0354, MIC: 3d215c53) |
| 0:11:26.388667 | LOG | Server <-------------------- DUT |
| 0:11:26.388667 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6e9, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e1924cf4) |
| 0:11:26.388667 | LOG | PULL\_RESP: Protocol version = 02, Token = 3b6e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 864366724, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A6abgoXHCIK6usyamXSQbB6K6FlFAZb12DarjsFnlVmtA4ltiw5ivoLlbzhHDXNfQL9gxn/2urng5J2vjfqyVQwygUk8V4cXEDkgt7/Vi3gD/7QCQrVW0012gcKAVIvy/W/OV5U6ylIhOL8KYY8W2fepsYekWJ+vtshBvIDWyknvXQP84W/dyJwCbSlmnKnhhwfOCZpT+0o5AoWEtuCOgcXEFUSzDBzgeyN4OY9R4zpkHzWeM3RKac04IjgGC9RprFdeqAulwa5ZNBUBjRtE9xLsUMfpaLcvStKVP6a1lMXwvWrbk7ZmxDn2xJT4J/+xqQpefhfvhkkz0'}} |
| 0:11:26.388667 | LOG | Server --------------------> DUT |
| 0:11:26.388667 | LOG | TX\_ACK: 02 3b6e 05 aa555a0000240409 |
| 0:11:31.206680 | LOG | PUSH\_ACK: 02 1573 01 |
| 0:11:31.206680 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1573, Identifier = 00, JSON = {'rxpk': [{'tmst': 867209282, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A5QPgn8ZrewHJ'}]} |
| 0:11:31.206680 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03e5, FOpts: ), FPort: e0, FRMPayload: 0355, MIC: 6b7b01c9) |
| 0:11:31.206680 | LOG | Server <-------------------- DUT |
| 0:11:31.206680 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6ea, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ac5929ab) |
| 0:11:31.206680 | LOG | PULL\_RESP: Protocol version = 02, Token = 571b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 869209282, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A6qbg6Swtj4o+QUtxoNKQeWoQ6D1NBnaqkIxTOT+c2ewOfvBImrHWjEtUUIjnVw2iaU9Dt8qHSknHhaO2Fe4bLEQAW1myiqBk18By6FMrMKUhOsFleQzQ1AygXm5qZIwU+8dkPxS7NYWtcNEbDquaRM+S2NanViq3P70PKdiRc328/WR5RpphhLL/fcLZPaMoCDdfj8jltTqI4KuGEd+4rNZ+FDkucVFUKYEu5SGOn8kK5SZRJGyH0GTwOZJN18Ps7Z6Q3dwUHoxQD9Tka0SDrhizcPyG3zVNcJE2r+ZMnhqDQ8y6l0Gi50+DV+lBpShAWOIW8LqsWSmr'}} |
| 0:11:31.206680 | LOG | Server --------------------> DUT |
| 0:11:31.206680 | LOG | TX\_ACK: 02 571b 05 aa555a0000240409 |
| 0:11:36.054536 | LOG | PUSH\_ACK: 02 1574 01 |
| 0:11:36.056646 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1574, Identifier = 00, JSON = {'rxpk': [{'tmst': 872051887, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -52, 'size': 15, 'data': 'QO++rd6A5gPg3/JuK+/E'}]} |
| 0:11:36.056646 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03e6, FOpts: ), FPort: e0, FRMPayload: 0356, MIC: 6e2befc4) |
| 0:11:36.056646 | LOG | Server <-------------------- DUT |
| 0:11:36.056646 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6eb, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: cea0b2b6) |
| 0:11:36.056646 | LOG | PULL\_RESP: Protocol version = 02, Token = a79c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 874051887, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A66bgHYmu6bUhNxbkcMXuvGOi14OB1UCLPxF1HaYWIvJiym/pdceXteTnkD10FuBw8pYYlUimB+bBsQlvNahx1MxItGuMmRIw1ZN3NswUr7rrWVsFyYnkCHrUMM5ql7ima6cT31Vh/BnF39Fwdh1OdeyO93M6tkaym/+G3Iifao9Ym0mleU8rpZsfWLwTQvg1wf0lMhsKz1Acw5PUVyzU+vd/SlBTSV+PmT1ALwjCx0OWrOfDuSpTSykZnfZi1YKBEIS6vvu30zp8vwhm0NiJjnQXK2e74MZR+NPQYeSir8O0ztkzw9vCTyi/bcdnbdJ93SSp+tTOoLK2'}} |
| 0:11:36.056646 | LOG | Server --------------------> DUT |
| 0:11:36.056646 | LOG | TX\_ACK: 02 a79c 05 aa555a0000240409 |
| 0:11:36.274697 | LOG | PULL\_DATA: 02 d26a 02 aa555a0000240409 |
| 0:11:36.274697 | LOG | PULL\_ACK: 02 d26a 04 |
| 0:11:40.889178 | LOG | PUSH\_ACK: 02 1575 01 |
| 0:11:40.891195 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1575, Identifier = 00, JSON = {'rxpk': [{'tmst': 876894976, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -48, 'size': 15, 'data': 'QO++rd6A5wPgeIaWgVB3'}]} |
| 0:11:40.891195 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03e7, FOpts: ), FPort: e0, FRMPayload: 0357, MIC: 96815077) |
| 0:11:40.891195 | LOG | Server <-------------------- DUT |
| 0:11:40.891195 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6ec, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a4573a6a) |
| 0:11:40.891195 | LOG | PULL\_RESP: Protocol version = 02, Token = 07b0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 878894976, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A7KbgY0I89eaoFOn++adu1HfyaytGLkNZH8reeDv+HSfpbC1qLRyf/AlN0QyDMESA4Lwm6rFhpW7gz8XVGd9NLGhWzQpvBfvJh5FNaW4wC8Udnh2i/kPCEnRgKm//rwLJZunYjCkAI2kWIy1c2NTnfINVRi9TUfsgzn2bm2ansq36wVcwWTvP4tTrdLNM0DigoeyKDgkQEeiVJgYedbX79w7XLHGWU4o/juad2sn4V1AsZ7ZoIQXCx4AuHMEy8TJpViC1ZOiNMXXJ8UAPT/Ll0KevIAAj//YWHHPFqC+DAOPm5fcUuSbXf6Dp3OECLiYqhZJNIcGkVzpq'}} |
| 0:11:40.891195 | LOG | Server --------------------> DUT |
| 0:11:40.891195 | LOG | TX\_ACK: 02 07b0 05 aa555a0000240409 |
| 0:11:45.732127 | LOG | PUSH\_ACK: 02 1576 01 |
| 0:11:45.732127 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1576, Identifier = 00, JSON = {'rxpk': [{'tmst': 881737913, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A6APgHq8dQnNS'}]} |
| 0:11:45.732127 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03e8, FOpts: ), FPort: e0, FRMPayload: 0358, MIC: 1d427352) |
| 0:11:45.732127 | LOG | Server <-------------------- DUT |
| 0:11:45.732127 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6ed, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0de22a2d) |
| 0:11:45.732127 | LOG | PULL\_RESP: Protocol version = 02, Token = c42b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 883737913, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A7abgIusoHY4slM//Z8Ci6SVi2UAzS4vXfLynZ5DGbYlgCUXMjbMuXc+5RpMKl9hSneIlX+xjGdkh/B4qUv7L79yN80ydt9DPwuwcEBdG0Fr3D7xHKA7klnoh6vAvvbNny9eZKSgLj3hTn0fARUs7v+W6vYaVfTn7ZwkRXEccYbw8JhMUlSl3XlghjRUt2Q15/BJjCTSjeQ88giKrJggC4Th7OXXAqdMCe6lFZFx1uq0KEKKmp0JXf+w7D+SOE5XSl4VYyzPFSvuWlWuQe2BiV4eFk5Iah3k9PtMIdZaumNSSQemT7QY5aLom+vimlX4SubIZpdQN4iot'}} |
| 0:11:45.732127 | LOG | Server --------------------> DUT |
| 0:11:45.732127 | LOG | TX\_ACK: 02 c42b 05 aa555a0000240409 |
| 0:11:46.360141 | LOG | PULL\_DATA: 02 c9e9 02 aa555a0000240409 |
| 0:11:46.360141 | LOG | PULL\_ACK: 02 c9e9 04 |
| 0:11:50.580815 | LOG | PUSH\_ACK: 02 1577 01 |
| 0:11:50.580815 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1577, Identifier = 00, JSON = {'rxpk': [{'tmst': 886580441, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A6QPgyZRca6rG'}]} |
| 0:11:50.580815 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03e9, FOpts: ), FPort: e0, FRMPayload: 0359, MIC: 5c6baac6) |
| 0:11:50.580815 | LOG | Server <-------------------- DUT |
| 0:11:50.580815 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6ee, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5e640fe6) |
| 0:11:50.580815 | LOG | PULL\_RESP: Protocol version = 02, Token = 656c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 888580441, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A7qbgxlf6NzYbH9Boii0D1YZuHjSEOvN3Y88XxWYdAy7YMTL9ew3GeCcwtiI/CWb6D3oJypBoTHTdtwQjbc56J9j3PkHye8Qf10OEU9NXMfHvSc4IUvPhOba2mbyDu607tOX1Y5mvYsAAhlebcxKkDrBW84pbdQUgnPQDjdcWW2S9vgc1epN739EsxKpTjZpu7I7d/7lWVHYWcIPtOxjsg0Fc0f04zggU2eyaWkn2SD+KWk9smtcLUupEodL/Waeu544cdxXSNluH9DVcDgUvIOvrGJ/wtpSzK6Guj2bearhJxNXk0fHdwXCNe1oTKoYjryDSp1leZA/m'}} |
| 0:11:50.580815 | LOG | Server --------------------> DUT |
| 0:11:50.587505 | LOG | TX\_ACK: 02 656c 05 aa555a0000240409 |
| 0:11:55.415063 | LOG | PUSH\_ACK: 02 1578 01 |
| 0:11:55.417151 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1578, Identifier = 00, JSON = {'rxpk': [{'tmst': 891422969, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -48, 'size': 15, 'data': 'QO++rd6A6gPgEWgu+iJe'}]} |
| 0:11:55.417151 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03ea, FOpts: ), FPort: e0, FRMPayload: 035a, MIC: 2efa225e) |
| 0:11:55.417151 | LOG | Server <-------------------- DUT |
| 0:11:55.417151 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6ef, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9e2e1ab9) |
| 0:11:55.417151 | LOG | PULL\_RESP: Protocol version = 02, Token = b877, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 893422969, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A76bgcLEcoPJuVBz1J2QvN1XhhW722BOve0G50ZfOaqNt0ScyyDyHNNaFtm1R/9zkd5sMmHbbdemPxzuUKnNUg3L8LNvgV8KiCqj1Gqf0+Aa4r2c/YfAkJdHeKN+MGTmVH8nz2F1m3Pt3zzb7mYNYazTCC4/0LiKx6ScgvjXPqim4N+s9dwP3Oc7ibhTk5gGard69u+g5XN0wvZLBRoznLC+kyLVM1Fv1rTVt3C6D3uwDWTOauEdW8haECWDPDO4E3fWpBuMT++sCcdpwY3DuatTFp8t90l379PLOhYrwblJkwhDR9EBmX2GnXpH0cMMxEBUU05yeLhq5'}} |
| 0:11:55.417151 | LOG | Server --------------------> DUT |
| 0:11:55.417151 | LOG | TX\_ACK: 02 b877 05 aa555a0000240409 |
| 0:11:56.465237 | LOG | PULL\_DATA: 02 c2bf 02 aa555a0000240409 |
| 0:11:56.465237 | LOG | PULL\_ACK: 02 c2bf 04 |
| 0:12:00.280786 | LOG | PUSH\_ACK: 02 157a 01 |
| 0:12:00.280786 | LOG | PUSH\_DATA: Protocol version = 02, Token = 157a, Identifier = 00, JSON = {'rxpk': [{'tmst': 896265586, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A6wPgX2AfN+M1'}]} |
| 0:12:00.280786 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03eb, FOpts: ), FPort: e0, FRMPayload: 035b, MIC: 1f37e335) |
| 0:12:00.280786 | LOG | Server <-------------------- DUT |
| 0:12:00.280786 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6f0, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e8ff4de1) |
| 0:12:00.280786 | LOG | PULL\_RESP: Protocol version = 02, Token = dd4b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 898265586, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A8KbgERQp7DmegWJ0frFluN8foAHfpSdEFgHipL49azN6cyw6C7jlI6lUuTWUDDOXmYKqn5vLWv38gdE6JWEAnDAf5XTR9u6RCvv5f90qBVlH8fMe9K5CIVyeUD50b7yZpkZTNi9apTiECcxDjcUP/gf09JYcU5BWXYZMAl2kHbet2hak6Y/tHwHN0l5k/BvTtrP/j7S14XoW2xdmPy2oCxiig4goYSCsigLgwjZtzXFBhKTtMM+PHjMM3FEYyrZJOyIA5MVjqHCDk+2z8iFcKBBgj+hJCQwJZZ4l+o/C0V2B7tdedS77aRcNJrkltQTcXdJVI5fo/03h'}} |
| 0:12:00.280786 | LOG | Server --------------------> DUT |
| 0:12:00.280786 | LOG | TX\_ACK: 02 dd4b 05 aa555a0000240409 |
| 0:12:05.150846 | LOG | PUSH\_ACK: 02 157b 01 |
| 0:12:05.150846 | LOG | PUSH\_DATA: Protocol version = 02, Token = 157b, Identifier = 00, JSON = {'rxpk': [{'tmst': 901148658, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -48, 'size': 15, 'data': 'QO++rd6A7APgJhQc5tLb'}]} |
| 0:12:05.150846 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03ec, FOpts: ), FPort: e0, FRMPayload: 035c, MIC: 1ce6d2db) |
| 0:12:05.150846 | LOG | Server <-------------------- DUT |
| 0:12:05.150846 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6f1, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 403b8a7e) |
| 0:12:05.150846 | LOG | PULL\_RESP: Protocol version = 02, Token = 6f78, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 903148658, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A8abg4UO5CRuUNx3XPY0rgHRdBLMhjdO8H4K6pXuhJq6KrzFdG2dV92UCZz3rYYbvWzIy+5BQlpR7tnPTR5kQWih4j6SI9P255V1mKvvTIRrqsyGLW6U7nsb6/CVzHzHT8cU1C2WmWrGWTyuMEElP+lOVX+pP3UxcOnWpw+4VSx6xhXjiZ4jAVPPf8EKpEiGAoxfz7JgG4gHiCB35sGxa5/84Y7g3sTqlTnrs8kq07PDT54cHobp6E1vOrGZXt5dI9dE9LXVKuow0eUvrvuMIfNwnSfgia7gyMFDTK1HPV5gybvgfWcJyoVB5gj7hHMt8EIKBsWdAO4p+'}} |
| 0:12:05.150846 | LOG | Server --------------------> DUT |
| 0:12:05.150846 | LOG | TX\_ACK: 02 6f78 05 aa555a0000240409 |
| 0:12:06.600845 | LOG | PULL\_DATA: 02 9a3e 02 aa555a0000240409 |
| 0:12:06.600845 | LOG | PULL\_ACK: 02 9a3e 04 |
| 0:12:10.004277 | LOG | PUSH\_ACK: 02 157c 01 |
| 0:12:10.006366 | LOG | PUSH\_DATA: Protocol version = 02, Token = 157c, Identifier = 00, JSON = {'rxpk': [{'tmst': 905991210, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A7QPgWgg9sINf'}]} |
| 0:12:10.006366 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03ed, FOpts: ), FPort: e0, FRMPayload: 035d, MIC: 3db0835f) |
| 0:12:10.006366 | LOG | Server <-------------------- DUT |
| 0:12:10.006366 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6f2, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 143332ed) |
| 0:12:10.006366 | LOG | PULL\_RESP: Protocol version = 02, Token = 74ea, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 907991210, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A8qbgA3zVYRdY195G0qNHqfM4G9sqE6hB7dCC0wsEdJlOsPorlft9MlOJu+gQJNhjLvZkEqLswM9eTI4JfQHzgw2Hl8I/5UO//vRXM+tampkVbYPH7DChftFPYyqR3fQVQn0GqRjG9LqfwT43ERdz26ychVf7oqBUH5Guh8vqaG4qCFAFnPIKT13gMxz2WSH6fydlpW3NMkR3ZFHi6BZn8SUFJEIVvSNDauICXWM9n+n93s7eREmQynM0WperzjCBFCsZaCMBWb9PtBtUvI5llcbnAi+Ua3mRdrGvR2g7L0eh5P2K9XnTsMcGmHq7R0uYnZn0rHMUMzLt'}} |
| 0:12:10.006366 | LOG | Server --------------------> DUT |
| 0:12:10.006366 | LOG | TX\_ACK: 02 74ea 05 aa555a0000240409 |
| 0:12:14.802604 | LOG | PUSH\_ACK: 02 157d 01 |
| 0:12:14.802604 | LOG | PUSH\_DATA: Protocol version = 02, Token = 157d, Identifier = 00, JSON = {'rxpk': [{'tmst': 910833995, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A7gPgkuiNyO8W'}]} |
| 0:12:14.802604 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03ee, FOpts: ), FPort: e0, FRMPayload: 035e, MIC: 8dc8ef16) |
| 0:12:14.802604 | LOG | Server <-------------------- DUT |
| 0:12:14.802604 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6f3, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 159048e8) |
| 0:12:14.802604 | LOG | PULL\_RESP: Protocol version = 02, Token = abb0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 912833995, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A86bgQ+yJwvR4CuQ6PkTJT+aG0fPKHyTw7gcFuuh5hB0WdAAdI1IxT7WdFOARWBrX7XKIk+34lee9HJwu3NpRpkElqrHX6Bzh6vJmFiAJ1f5bfjJ126xsMCX9F3NU04j6uuDA1uyDPELjyeHhb88SAGM94lE38wuFEMLTwtd5exfbcHRid2Z/HpNPF/RuppFFzhH89NY2zztUuQwSk+H0fm6EoNNx3wCxgOMPFDNzAJaQkJQfQ+KMppRub93mUN9vmWYCpTN9YZEIaOinszkoxxKqgcbdqZqEgVxu4s1l7j7nQkuAmFzGP/LGFgKVPnkR0RFwEZ4VkEjo'}} |
| 0:12:14.802604 | LOG | Server --------------------> DUT |
| 0:12:14.802604 | LOG | TX\_ACK: 02 abb0 05 aa555a0000240409 |
| 0:12:16.652973 | LOG | PULL\_DATA: 02 a7a3 02 aa555a0000240409 |
| 0:12:16.652973 | LOG | PULL\_ACK: 02 a7a3 04 |
| 0:12:19.682889 | LOG | PUSH\_ACK: 02 157e 01 |
| 0:12:19.684950 | LOG | PUSH\_DATA: Protocol version = 02, Token = 157e, Identifier = 00, JSON = {'rxpk': [{'tmst': 915676516, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A7wPgTKIyibsp'}]} |
| 0:12:19.684950 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03ef, FOpts: ), FPort: e0, FRMPayload: 035f, MIC: 3289bb29) |
| 0:12:19.684950 | LOG | Server <-------------------- DUT |
| 0:12:19.684950 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6f4, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3bc04a4f) |
| 0:12:19.684950 | LOG | PULL\_RESP: Protocol version = 02, Token = 0082, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 917676516, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A9KbgkQwA2iJQH402OrhjwAkyBnQp8Kq2/Ikb3b7JC3r+fQAHvWWLHsaW1BP8T6MeE/zqUjeRMoCIqJWg711X0P0eJWJyHi9KalkBGjc+F6F3F3d04as6ZLUsI1QZVtLbL8gtB8hm/G7Q4m9VbD/AEYglOEHkBasXaD5QPrTyxCoHkbWpUPhaRRkdJg7aixijs8+sWIXjVFlnGBvkAoEKFmD2vNc9CMruq4V98YAoZtVISflngF0uCbSWwh5N6q/y3jJ4xoqdsTGpLB0kvkdR+dhU5aZxWhfOXBYtY5B2snoIZNJO8EpbvOdefMewg/NCr18vqdk7wEpP'}} |
| 0:12:19.684950 | LOG | Server --------------------> DUT |
| 0:12:19.684950 | LOG | TX\_ACK: 02 0082 05 aa555a0000240409 |
| 0:12:24.531840 | LOG | PUSH\_ACK: 02 157f 01 |
| 0:12:24.533860 | LOG | PUSH\_DATA: Protocol version = 02, Token = 157f, Identifier = 00, JSON = {'rxpk': [{'tmst': 920519101, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A8APg8Q47+Ckd'}]} |
| 0:12:24.533860 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03f0, FOpts: ), FPort: e0, FRMPayload: 0360, MIC: 3bf8291d) |
| 0:12:24.533860 | LOG | Server <-------------------- DUT |
| 0:12:24.533860 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6f5, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0fddce31) |
| 0:12:24.533860 | LOG | PULL\_RESP: Protocol version = 02, Token = 0407, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 922519101, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A9abgi/FR/5OFv491zWUELa+Hsyvf+P/fckQzXN87w8C8cNUo7C/95hxxjG9Z3vh6rkG5akz1gAZ3zESjR3lp3h6XlKWhLNUJk3ZHJ6PfM+HxrwRh+5UpBufCOICUYavsgzrxP1w07QiiNl3YqtUaKYhsZeumTFRQ/fc6Kw7nLnfXXjBHV9c4B+dH5qW03GD9gmKGJXxDIqfgAVjsNp6FhHahO1zsUfD6nymeYFmP13Z8jNHOn9ylsMkxhsiiRZFyKc2syKGIiwYT9LDsb0CzsCe4kxhRk6HrmN3Zj9b6ykosZw7tr8mhKxiUN64fGivCFlMQu+AP3c4x'}} |
| 0:12:24.533860 | LOG | Server --------------------> DUT |
| 0:12:24.533860 | LOG | TX\_ACK: 02 0407 05 aa555a0000240409 |
| 0:12:26.782674 | LOG | PULL\_DATA: 02 7d35 02 aa555a0000240409 |
| 0:12:26.782674 | LOG | PULL\_ACK: 02 7d35 04 |
| 0:12:29.362668 | LOG | PUSH\_ACK: 02 1581 01 |
| 0:12:29.362668 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1581, Identifier = 00, JSON = {'rxpk': [{'tmst': 925361645, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A8QPgR3XVpbDB'}]} |
| 0:12:29.362668 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03f1, FOpts: ), FPort: e0, FRMPayload: 0361, MIC: d5a5b0c1) |
| 0:12:29.362668 | LOG | Server <-------------------- DUT |
| 0:12:29.362668 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6f6, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 85f11bf4) |
| 0:12:29.362668 | LOG | PULL\_RESP: Protocol version = 02, Token = 1267, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 927361645, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A9qbgFGBP8EZUUMEbR0GCDWxKOkyphOve1nchvsDKkrI2mw71q7I0S35DcgeexXAW3qbxaYCZZfUC6ka3I+YEsYg3Xoff2y6NQuuyQv4ygz88p9GISRDA9VfXDohQPeoR9a7LIvUD16jRqmA/IvhG8l9b0HKuVSKSdTFQzEVfqxCEPnQTTPwqIsApwaTwBTn3nJwubul10jZs+6ix+Zo+xWRHCEKQS7kuivVaAUhVG1/x/PxiffyAaZeOLrFKDuDNVZsPvnqL7O6suF9wwXszl4NgGgTzMUs0j82e/RDxte2Y9vEUNbqsI+yx8A/ExmoHxaCeosaF8Rv0'}} |
| 0:12:29.362668 | LOG | Server --------------------> DUT |
| 0:12:29.362668 | LOG | TX\_ACK: 02 1267 05 aa555a0000240409 |
| 0:12:34.237829 | LOG | PUSH\_ACK: 02 1582 01 |
| 0:12:34.240167 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1582, Identifier = 00, JSON = {'rxpk': [{'tmst': 930204278, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A8gPgY5Vq990m'}]} |
| 0:12:34.240167 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03f2, FOpts: ), FPort: e0, FRMPayload: 0362, MIC: 6af7dd26) |
| 0:12:34.240167 | LOG | Server <-------------------- DUT |
| 0:12:34.240167 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6f7, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f27a4b52) |
| 0:12:34.240167 | LOG | PULL\_RESP: Protocol version = 02, Token = 3848, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 932204278, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A96bgf4Mn3JeXS34cKgqfKDZs9L6+p3yjg/QW6f1htNq7y7aMrme5cwaMOUdsMmfy/TTTiTjc632yHXFTQ2BsVvpM71aY6aH5BwX7BxZGV8ug0GdTec7XHy0Sb+fOR/3w2bRycYg+z1bjks8AtQfKXhTnCGzzzT3eUe0eQUtQpf9LGV7zh0tDr9IivMFBgedK5gdPJiPyCTtb0T27fV2UoiZcagU5eKwuMWufNc/t++W9yj4jBTwb9lCHzPZkYN1Ot5Crm0wLPwS2b/4unn2hhGvzljUDLDlWIze54kqGSHoC/MjLAJimpBEDoa+Pmqux1R0HrR3yektS'}} |
| 0:12:34.240167 | LOG | Server --------------------> DUT |
| 0:12:34.240167 | LOG | TX\_ACK: 02 3848 05 aa555a0000240409 |
| 0:12:36.903139 | LOG | PULL\_DATA: 02 2633 02 aa555a0000240409 |
| 0:12:36.903139 | LOG | PULL\_ACK: 02 2633 04 |
| 0:12:39.062116 | LOG | PUSH\_ACK: 02 1583 01 |
| 0:12:39.064163 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1583, Identifier = 00, JSON = {'rxpk': [{'tmst': 935046823, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A8wPg+VUW6+2C'}]} |
| 0:12:39.064163 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03f3, FOpts: ), FPort: e0, FRMPayload: 0363, MIC: 16ebed82) |
| 0:12:39.064163 | LOG | Server <-------------------- DUT |
| 0:12:39.064163 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6f8, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7b9ee8ae) |
| 0:12:39.064163 | LOG | PULL\_RESP: Protocol version = 02, Token = 36b3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 937046823, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A+Kbga4uj7IGcK+/0xxrGMkZ8DDPjhvtts3Bl3mGLQH/TSXSYoKQfD4pK+7EfZ1VucoDW1dHywGOiUfeRrH334jq5ESQkZhMJI01q8rljqlcjc/w5gzGvsmUNJX+rXCVbez2wVtcmyZOrQgcWUhn2fopQWsSXVckrTApF7A94k/nzIK31Ryb9f/Exj9RjcOPsGDhL73OYIcx5IxyqBRjl4Wlcl9KczmQHcNVWohDUwRtY1275ySHoxiHPR99/9btLoQrw+1SHteawBgO9nLGWAnSC4zzlVlh2K7rQiYL0QaY8sJXuwDAflWS6Z6Zs7rQ/bu8kUvt7nuiu'}} |
| 0:12:39.064163 | LOG | Server --------------------> DUT |
| 0:12:39.064163 | LOG | TX\_ACK: 02 36b3 05 aa555a0000240409 |
| 0:12:43.911066 | LOG | PUSH\_ACK: 02 1584 01 |
| 0:12:43.911066 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1584, Identifier = 00, JSON = {'rxpk': [{'tmst': 939929847, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A9APg7Xem5GdT'}]} |
| 0:12:43.911066 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03f4, FOpts: ), FPort: e0, FRMPayload: 0364, MIC: a6e46753) |
| 0:12:43.911066 | LOG | Server <-------------------- DUT |
| 0:12:43.911066 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6f9, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4e56eb5e) |
| 0:12:43.911066 | LOG | PULL\_RESP: Protocol version = 02, Token = af94, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 941929847, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A+abguqfdTOOR3tILyw/iA04RVidJlakYy1cn/viAyFJjbQ/WcqXFa6nO0zfiIyFOflVbaU66GOrOEtdIlyAoXE2a8seh77E+Qrq83M2cnZA9zmQNail6VCVKr5UYrTEzMAFmN8Vy9FlYckX34Xt0DgsFv3alia6xjHotYmBb1hXtFJgrlSUj623Rnw8fwHWOLnYre1mDOBLTmHjIyj+IukRSqUYG31l/B0lKDIpbiSWBJSGt86KuSJqEzVC16Zu8IYoLRCop3Ssb56FpkQt4LC4xjwrxTBc3rKoY6SxpGuD4pfcwV78yOfe8wj5C3X2DDclcftlOVute'}} |
| 0:12:43.911066 | LOG | Server --------------------> DUT |
| 0:12:43.911066 | LOG | TX\_ACK: 02 af94 05 aa555a0000240409 |
| 0:12:46.990875 | LOG | PULL\_DATA: 02 df11 02 aa555a0000240409 |
| 0:12:46.990875 | LOG | PULL\_ACK: 02 df11 04 |
| 0:12:48.737036 | LOG | PUSH\_ACK: 02 1585 01 |
| 0:12:48.737036 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1585, Identifier = 00, JSON = {'rxpk': [{'tmst': 944772471, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A9QPgsh5ftjUb'}]} |
| 0:12:48.739784 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03f5, FOpts: ), FPort: e0, FRMPayload: 0365, MIC: 5fb6351b) |
| 0:12:48.739784 | LOG | Server <-------------------- DUT |
| 0:12:48.739784 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6fa, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: da11c60a) |
| 0:12:48.739784 | LOG | PULL\_RESP: Protocol version = 02, Token = 69d5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 946772471, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A+qbg1PE18ORcNtvRuvIN/qND/qYQfB8nTVH5I7Ev4zLwgKz8tf8hnsI4n+mMnrpGClZMwXul5uipXdUUfZJ4wOhgHQEklC3ncnaQjXUpW0L0Rr54t+vQZ12pkk3WrWsk4TJDmM/hfWodBnAXZtzQeF9z3IfFit7szrbWFo7uQfSwQdm8e2M0oBm98/+4XbhtgLGyYli/G5PTbcqbM2MiHfVy3TS9Fj61nCDl0A6lQgNfpy01lteAwB5AMO+TN45F75eoM78qHyf3uccqOx2QElOHazNDUwrU1jvM4NOye2b8vWgxUNNUnu9ke2JYcwvuxxzzgTPaEcYK'}} |
| 0:12:48.739784 | LOG | Server --------------------> DUT |
| 0:12:48.739784 | LOG | TX\_ACK: 02 69d5 05 aa555a0000240409 |
| 0:12:53.634838 | LOG | PUSH\_ACK: 02 1586 01 |
| 0:12:53.634838 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1586, Identifier = 00, JSON = {'rxpk': [{'tmst': 949615023, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A9gPg5knCtaby'}]} |
| 0:12:53.634838 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03f6, FOpts: ), FPort: e0, FRMPayload: 0366, MIC: c2b5a6f2) |
| 0:12:53.634838 | LOG | Server <-------------------- DUT |
| 0:12:53.634838 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6fb, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5c098533) |
| 0:12:53.634838 | LOG | PULL\_RESP: Protocol version = 02, Token = 4c2f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 951615023, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A+6bggv1GoiZXq+rZeFEv1HvXxjb4w4DXe1F7vEAlYyGEwQuTXq/PWk7GahSsvx0LdpWyCtaBa8U0mRSUQOeS3r9DHtpr/LL4mSiFJLEj20gx8875pGWevwPlP1qBc4AwRaYhO2mtB2bh/L6Neu/OjDuWo+ghfuQL+F4pbO3RuJ05sAj8Y1o4eqW/HRJEInPTgiczPlLYQ/32uOgzNef/pjxl6joiLNZ3oJkDaOjIBlfr/USrW0HWKPHifbLwqiJjiS9xW7/Fa5+nCwIuGfJF1vQjdekbRFQvd1feH/f5b11WSIVpvW7gez0LbvG9gI2eRneOnhdcCYUz'}} |
| 0:12:53.634838 | LOG | Server --------------------> DUT |
| 0:12:53.634838 | LOG | TX\_ACK: 02 4c2f 05 aa555a0000240409 |
| 0:12:57.130475 | LOG | PULL\_DATA: 02 cae2 02 aa555a0000240409 |
| 0:12:57.130475 | LOG | PULL\_ACK: 02 cae2 04 |
| 0:12:58.420533 | LOG | PUSH\_ACK: 02 1588 01 |
| 0:12:58.420533 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1588, Identifier = 00, JSON = {'rxpk': [{'tmst': 954457638, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A9wPgmbAwiPhP'}]} |
| 0:12:58.420533 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03f7, FOpts: ), FPort: e0, FRMPayload: 0367, MIC: 3088f84f) |
| 0:12:58.420533 | LOG | Server <-------------------- DUT |
| 0:12:58.420533 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6fc, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: dee7c2bb) |
| 0:12:58.420533 | LOG | PULL\_RESP: Protocol version = 02, Token = 5342, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 956457638, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A/Kbg6wMk5lw0iUjAxcZ0L/0K7AaL2wVc471ANEc/FymPgHOtL/kdcPLoLqqu3sMUpdlYSofLVWcZqraZxnCUnQDE3JAT91xZUDInZB3wTJhnaJiJv4a1k23rwfWPt5TTSLp8Ulw0WmHArer8yoToUFfeknuXWazL+yEHTlJXE2ASapZPBIR04jaVbo4cx2FyaDTxKfOssEksvG+OiuaTuSBnu1DLi5Fov4lpaSL+gtqsAabEs/XVr83xBst2yJjksFmr3UNgLO7zH6DedK6MtEvyJRmfUf3coMf7Gd20Pk9+KzN1Ql9xD1vsHjjchvt+YeJBOgve58K7'}} |
| 0:12:58.420533 | LOG | Server --------------------> DUT |
| 0:12:58.420533 | LOG | TX\_ACK: 02 5342 05 aa555a0000240409 |
| 0:13:03.291871 | LOG | PUSH\_ACK: 02 1589 01 |
| 0:13:03.291871 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1589, Identifier = 00, JSON = {'rxpk': [{'tmst': 959300174, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A+APgCKJDurzy'}]} |
| 0:13:03.291871 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03f8, FOpts: ), FPort: e0, FRMPayload: 0368, MIC: 43babcf2) |
| 0:13:03.291871 | LOG | Server <-------------------- DUT |
| 0:13:03.291871 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6fd, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4e1bffb4) |
| 0:13:03.291871 | LOG | PULL\_RESP: Protocol version = 02, Token = 25fc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 961300174, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A/abgQDiH5b3VMjSZ5v2dV6EfdA6jKQopOv7dQ+I+hYZsH6eIsNIRzRcbR29hOc9wu8VBKdN2w0zBZKMclCFGlAALPvB4fr/KtnZ/La24HBbaDotoyaQcGAQ7I6qslViN3S3GmsMNM3RcVSmbLfjNi92D0skpRbdtV+bMNdXlsCKi1VlkoNOtaF0AEfire2K2iYS7SVhMaN/ZPwqJP5wMLNILtkfdlmMeyWVIsBlgNiK9C+izh9SXQhyCLXvDtQ2FBlwYbkJSaUugYHbLsuP8LQwm1gn0NrxDLX0fDVNWPSu3TWCZIFbZRbt73/qvNwAJC+JyezROG/+0'}} |
| 0:13:03.291871 | LOG | Server --------------------> DUT |
| 0:13:03.291871 | LOG | TX\_ACK: 02 25fc 05 aa555a0000240409 |
| 0:13:07.166434 | LOG | PULL\_DATA: 02 41e4 02 aa555a0000240409 |
| 0:13:07.166434 | LOG | PULL\_ACK: 02 41e4 04 |
| 0:13:08.130275 | LOG | PUSH\_ACK: 02 158a 01 |
| 0:13:08.130275 | LOG | PUSH\_DATA: Protocol version = 02, Token = 158a, Identifier = 00, JSON = {'rxpk': [{'tmst': 964142767, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A+QPgiFx4QWY8'}]} |
| 0:13:08.130275 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03f9, FOpts: ), FPort: e0, FRMPayload: 0369, MIC: 7841663c) |
| 0:13:08.130275 | LOG | Server <-------------------- DUT |
| 0:13:08.130275 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6fe, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9e6eedd0) |
| 0:13:08.130275 | LOG | PULL\_RESP: Protocol version = 02, Token = 31fb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 966142767, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A/qbgpQYgj7NnmRJWFjYkrnZ9CxXnn525tAVX1juCtcr/3riY9FvQzZYvne0qFAIZ7A9ZF0DFcT9MM+kTDi5XnjOK9EhPpmayOnO+TvW7DHS4hdcx8GuYUajNt076jUfkdjc2JipigIgcDFxOOdV1ek0kbSkHa1LlaAyW9/fNhYtAvhXt7DHv+IH+GXXn1h4y0iGgrjozDnURuz83P2oGOtpJIlqHI7Di4Rm1MjybFFVNQeXumLXT6SVm/a6nHjrQS7rjbB1imbJB6Qx/EDjpj9fUDAMWZ3yUItZNnsyNYOOz+/BcPKf6fObywi53HldCmzs5j/2ebu3Q'}} |
| 0:13:08.130275 | LOG | Server --------------------> DUT |
| 0:13:08.130275 | LOG | TX\_ACK: 02 31fb 05 aa555a0000240409 |
| 0:13:12.955766 | LOG | PUSH\_ACK: 02 158b 01 |
| 0:13:12.956381 | LOG | PUSH\_DATA: Protocol version = 02, Token = 158b, Identifier = 00, JSON = {'rxpk': [{'tmst': 968985271, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6A+gPg71ULQRtC'}]} |
| 0:13:12.956381 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03fa, FOpts: ), FPort: e0, FRMPayload: 036a, MIC: 0b411b42) |
| 0:13:12.956381 | LOG | Server <-------------------- DUT |
| 0:13:12.956381 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a6ff, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 29bee49f) |
| 0:13:12.956381 | LOG | PULL\_RESP: Protocol version = 02, Token = 437e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 970985271, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A/6bg+9k/LE7VEqKOOaJB0uj4CPrbvKZbMx5b2f2mpMR9lC+Hdon6FLaSIL1WGMLgD9m1BnTLAEOqiKIX9J6PyoH5PoV8YJ5Sm1VgajJsg8mc5BWZqT1CjaQHK6CJV/tviQlgMOO5KxhwXd6F3/9GE5ZdGSuI1wsBvsx4JXMH7VIF3ijMYz34EdUqoHtrzH/glg/pgs5ScAmc4UZ8VsioK3NCzfWpx4RLEDtFpf8zlv4BwgftWZsB2XyEC7/ywWH1YV+9bgfmZiqFiYuKM+g5+SLwM0FUcf80pwvlSDPcmVNRbeFV9C6e2nABEU2+FU4v2RLsLlcpvuSf'}} |
| 0:13:12.956381 | LOG | Server --------------------> DUT |
| 0:13:12.956381 | LOG | TX\_ACK: 02 437e 05 aa555a0000240409 |
| 0:13:17.284759 | LOG | PULL\_DATA: 02 a783 02 aa555a0000240409 |
| 0:13:17.284759 | LOG | PULL\_ACK: 02 a783 04 |
| 0:13:17.805690 | LOG | PUSH\_ACK: 02 158c 01 |
| 0:13:17.807813 | LOG | PUSH\_DATA: Protocol version = 02, Token = 158c, Identifier = 00, JSON = {'rxpk': [{'tmst': 973828048, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A+wPgiP4PVcv3'}]} |
| 0:13:17.807813 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03fb, FOpts: ), FPort: e0, FRMPayload: 036b, MIC: 0f55cbf7) |
| 0:13:17.807813 | LOG | Server <-------------------- DUT |
| 0:13:17.807813 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a700, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3f113b72) |
| 0:13:17.807813 | LOG | PULL\_RESP: Protocol version = 02, Token = 207f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 975828048, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AAKfgkdrGHXDf0KqxOE6f3ad4NDQaPDwhLXL7DRYdAYVeCmM8byQU5wcaLy2Z0dUsno9hcis2gElb/eEpzZhliku8Yz+d8OxCvFtn6SxCj1mYz+msIYQ9AL6XSQvc7bhLQKGrzmrLZcFnAIfseMPR2WsnXGsiMWQRwyZwuzNX9UJIlYVhgWvP9YRlp5x7Syu5Pe7HzA+RW3iWLGKhRvbFC/lqSyBieq6imYQhTB3uz1sRSiMfllgRJOigPoPgdbR57IaETKw6ihfBYRtWRTq96pWJpWILkLkTWCh43HbJtuEDd2nRVxJjF4Qxxr36u34btYn6yiM/ETty'}} |
| 0:13:17.807813 | LOG | Server --------------------> DUT |
| 0:13:17.807813 | LOG | TX\_ACK: 02 207f 05 aa555a0000240409 |
| 0:13:22.730266 | LOG | PUSH\_ACK: 02 158d 01 |
| 0:13:22.730266 | LOG | PUSH\_DATA: Protocol version = 02, Token = 158d, Identifier = 00, JSON = {'rxpk': [{'tmst': 978711120, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A/APgUzu102Ub'}]} |
| 0:13:22.730266 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03fc, FOpts: ), FPort: e0, FRMPayload: 036c, MIC: b5d3651b) |
| 0:13:22.730266 | LOG | Server <-------------------- DUT |
| 0:13:22.730266 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a701, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 365d03f8) |
| 0:13:22.730266 | LOG | PULL\_RESP: Protocol version = 02, Token = 4d33, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 980711120, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AAafgkE6BM5fMNkcqrmQzlYw5vaLltVPsshSMpanTZPP3f88oYeCjOEVuO3uRsXD35DY/3WxaaCOVH47PQDzDsgRWXdg5pgA9bUuQl3kSJbDk+l1eBBO6L17wdarTtWDfZo1vBlSTaP8zskCnFVusPaWi3p65A1rag4/OkQML2riHlnd6x5wxShPapWWuAbaFXjvV0YYjeTeLAutQvlfCbVzllowt7nBLnq0RRQcSGmHShEEI3CeI4e6OoSyOBeQQ3uRQm5Fj+CZiMQI8nHZXwP+coWvPu7AJjW7mdGWwFos9pt71HvC4ZXds/aqZgoTFKn2zTIY2XQP4'}} |
| 0:13:22.730266 | LOG | Server --------------------> DUT |
| 0:13:22.730266 | LOG | TX\_ACK: 02 4d33 05 aa555a0000240409 |
| 0:13:27.422825 | LOG | PULL\_DATA: 02 f34a 02 aa555a0000240409 |
| 0:13:27.422825 | LOG | PULL\_ACK: 02 f34a 04 |
| 0:13:27.552932 | LOG | PUSH\_ACK: 02 158f 01 |
| 0:13:27.552932 | LOG | PUSH\_DATA: Protocol version = 02, Token = 158f, Identifier = 00, JSON = {'rxpk': [{'tmst': 983553632, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6A/QPgtE+MuN/q'}]} |
| 0:13:27.552932 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03fd, FOpts: ), FPort: e0, FRMPayload: 036d, MIC: 8cb8dfea) |
| 0:13:27.552932 | LOG | Server <-------------------- DUT |
| 0:13:27.552932 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a702, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5a0de35c) |
| 0:13:27.552932 | LOG | PULL\_RESP: Protocol version = 02, Token = 79c4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 985553632, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AAqfgCn8pEHEF2EMzuJzl3r9ng1IcbqHQ/T+Hw8l2r3zyhkaXXDc0Luw3xLW7WjgkliGdjnfiKNZtdlrresUbqmnyZfNQ7LgAvHxcCR6l2gwZyqfrhBbL3QOSr2Bywk+Z4WjZmWQ6P/aQp33Uv2Fc7HYJRvPdsfqhSjJcLcUIfCHnrKDqokkawCJBfYH7+/DlkkW26Zdnm5+AjFBWWbLsTdLxpGtiDVat214ZAczgvI96kOEHBnOhTxsx4v73qOqp7oCXmlkRRSn1qlxns63tk7eqB34etnRIxtt97F2FWF8gnCrbJLdwpfU4oW+7ELSNpHGFOc9aDeNc'}} |
| 0:13:27.552932 | LOG | Server --------------------> DUT |
| 0:13:27.552932 | LOG | TX\_ACK: 02 79c4 05 aa555a0000240409 |
| 0:13:32.376687 | LOG | PUSH\_ACK: 02 1590 01 |
| 0:13:32.378774 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1590, Identifier = 00, JSON = {'rxpk': [{'tmst': 988396391, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A/gPgnsWXf+dZ'}]} |
| 0:13:32.378774 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03fe, FOpts: ), FPort: e0, FRMPayload: 036e, MIC: 977fe759) |
| 0:13:32.378774 | LOG | Server <-------------------- DUT |
| 0:13:32.378774 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a703, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4cbf2bbe) |
| 0:13:32.378774 | LOG | PULL\_RESP: Protocol version = 02, Token = ab92, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 990396391, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AA6fgSX3sGbDy4IrOduiZMQQIsxKQK/A90DkrYwWIReBLxays65S+kL5K+uev/ePoBcj3rUde7TBSiFsP11BFn2S5UyP6LhmP7sPifIsfys1ZLYBA30jixx68CrF9Ru2SwmXwVIxp6ybLxM9vH/7QsWIiqAVcw5jDN93pZAxOeME9ZdG/9Bd+4DO8yVN2GEDkd2aNLDHuwTRS8NpSr7vMm0rzV4hAX2jY5knfMg2qgLyqUuziXdoDVTozdCfseROEehe3QOt5ZJJLqtntKWduGvkoKGHO81snlVX/7DGDAK6o0pJF0DjPF3dYuuHmK5m+E20MBTxMvyu+'}} |
| 0:13:32.378774 | LOG | Server --------------------> DUT |
| 0:13:32.378774 | LOG | TX\_ACK: 02 ab92 05 aa555a0000240409 |
| 0:13:37.214479 | LOG | PUSH\_ACK: 02 1591 01 |
| 0:13:37.214479 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1591, Identifier = 00, JSON = {'rxpk': [{'tmst': 993238933, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A/wPgnklg9AUX'}]} |
| 0:13:37.214479 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 03ff, FOpts: ), FPort: e0, FRMPayload: 036f, MIC: 60f40517) |
| 0:13:37.214479 | LOG | Server <-------------------- DUT |
| 0:13:37.214479 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a704, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 375e0643) |
| 0:13:37.214479 | LOG | PULL\_RESP: Protocol version = 02, Token = e2e3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 995238933, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ABKfgupsbIfKxocOtFWJ7ME3XAHrT2Ncc7XEzuPirDd53c5hHiyM7+M8MeZiYKLE1Jm/SxGOikhIc5QIWOcmV4OJfhCZLaKQg4XOYPrN3y0X4dJI8Q/XUw6OrIz7beuzi50qCVr8RdDK+cttjLoFvGjZqIXW8bUxI/jQJrA6TwIABUNdEK6RGcC1rpIoBEZviUA9envufuQnboIeG6b5Buq2ta1Zdpvx69ZNC5/voqbBz/meNPZ+pM4iieBaxfzneg+1Bj1LhxwyvQTNV/arPbRKhB1K2nm/b20mTDK/UEW0JeUhgG4fDDSDZBlaR9yrSI4GF+aU3XgZD'}} |
| 0:13:37.214479 | LOG | Server --------------------> DUT |
| 0:13:37.214479 | LOG | TX\_ACK: 02 e2e3 05 aa555a0000240409 |
| 0:13:37.634531 | LOG | PULL\_DATA: 02 3ea4 02 aa555a0000240409 |
| 0:13:37.634531 | LOG | PULL\_ACK: 02 3ea4 04 |
| 0:13:42.053188 | LOG | PUSH\_ACK: 02 1592 01 |
| 0:13:42.053188 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1592, Identifier = 00, JSON = {'rxpk': [{'tmst': 998081526, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AAATgC0gUlJKM'}]} |
| 0:13:42.053188 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0400, FOpts: ), FPort: e0, FRMPayload: 0370, MIC: 1494928c) |
| 0:13:42.053188 | LOG | Server <-------------------- DUT |
| 0:13:42.053188 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a705, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 45951362) |
| 0:13:42.053188 | LOG | PULL\_RESP: Protocol version = 02, Token = 2e63, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1000081526, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ABafgdGwV44uKkR+Osq1UCKB45M7sPCmy2lE6U6YkLiIaWilv8lstRJLBXvGvqq4W08Vao0094pP+3gpdPLHlba6jxhQz1T6LG+1C4msdJ/44QH1fUkFJjKC9slbfNiuaaXFQ+h+jD9xLdKj2wem5ewkr87nAcFVXPnkHVlj3F7/jGcEuePN4ctz22ziyU9KKsnTCwoDpL4k7d8tXR5ENSkfFZhdcnNPC4xTB30b92VDx9KSc432h6gxQaF40rL3jV6j3dSJFQszFZzjqVj2U6wNFPyUuQbyxOGrPg6K7+dLUjVyJWz/WtI3Jndw+M7gBIr4JH8RFlRNi'}} |
| 0:13:42.053188 | LOG | Server --------------------> DUT |
| 0:13:42.053188 | LOG | TX\_ACK: 02 2e63 05 aa555a0000240409 |
| 0:13:46.914926 | LOG | PUSH\_ACK: 02 1593 01 |
| 0:13:46.914926 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1593, Identifier = 00, JSON = {'rxpk': [{'tmst': 1002924070, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AAQTgWJBeM6Xr'}]} |
| 0:13:46.914926 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0401, FOpts: ), FPort: e0, FRMPayload: 0371, MIC: 5e33a5eb) |
| 0:13:46.914926 | LOG | Server <-------------------- DUT |
| 0:13:46.914926 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a706, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 115db3fe) |
| 0:13:46.914926 | LOG | PULL\_RESP: Protocol version = 02, Token = 4d0f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1004924070, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ABqfgObS3s0Lbe+D8qnLZlfG3R3gvm6UrfrSavbfPHpC4vA5CU4BU87Ne6k0gbUG9RS1XIiu6lR71u6aMqNpEeXLWyaf1V7X+dUovVk2PaW5NYvDNpSqUCdMOo2Bx18LWpsgnc/Y2Pe7nZl7D5EMMUa+1RsILhDfMVxKVrrJe2+85z6QgKTgjXfdBjDCMPr5Fed3ELg3+OR+DVrmbUaDuZ4asixJn9x+7KyJJN4jIjYmnpweIwniPJ8wjyPFV+LWSzVKPC0M9UXKB6QwIYRYZcuaq8fQZ7rr0+7XVY/tSjmjs79AKnvAthNG/UKiPW1BEd+WbkwMRXbP+'}} |
| 0:13:46.914926 | LOG | Server --------------------> DUT |
| 0:13:46.914926 | LOG | TX\_ACK: 02 4d0f 05 aa555a0000240409 |
| 0:13:47.735547 | LOG | PULL\_DATA: 02 1f57 02 aa555a0000240409 |
| 0:13:47.735547 | LOG | PULL\_ACK: 02 1f57 04 |
| 0:13:51.771873 | LOG | PUSH\_ACK: 02 1594 01 |
| 0:13:51.771873 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1594, Identifier = 00, JSON = {'rxpk': [{'tmst': 1007766702, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AAgTg9AOi3RS6'}]} |
| 0:13:51.771873 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0402, FOpts: ), FPort: e0, FRMPayload: 0372, MIC: a2dd14ba) |
| 0:13:51.771873 | LOG | Server <-------------------- DUT |
| 0:13:51.771873 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a707, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 855bfe2e) |
| 0:13:51.771873 | LOG | PULL\_RESP: Protocol version = 02, Token = 6938, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1009766702, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AB6fgv6i6EhnBX2uP79xyPMCwH7y3+JERJyExC/39QfKeHXR42sfb2hYMoSrdau5yY7smLLHJfhG3XFHxIhV0H7WPiiuodxOf3wBkZ+qMAEtDs9DBbYuMfac90K68AfAgqwiSdW7II7kjxjJlgprnG2SemeTOKK7s280EnppNtWEmBDch6gI+DlUNqn3cg+2eRfAG9AW/sneADh7uLfD4uepWdvC7BXkDq+tobFLUTdoLaDXJ5aSLJhMSjOMrZjBw/SDNiY+n0G5dqXw/m15npB6x0MHHa9/aOz1kBaHIwtp8TqMl+tLs+Rx2c8r4EmTOsp2Fi2eFW/4u'}} |
| 0:13:51.771873 | LOG | Server --------------------> DUT |
| 0:13:51.771873 | LOG | TX\_ACK: 02 6938 05 aa555a0000240409 |
| 0:13:56.618754 | LOG | PUSH\_ACK: 02 1596 01 |
| 0:13:56.620828 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1596, Identifier = 00, JSON = {'rxpk': [{'tmst': 1012609261, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AAwTgarGa1wvm'}]} |
| 0:13:56.620828 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0403, FOpts: ), FPort: e0, FRMPayload: 0373, MIC: 9ad70be6) |
| 0:13:56.620828 | LOG | Server <-------------------- DUT |
| 0:13:56.620828 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a708, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 94ea48c6) |
| 0:13:56.620828 | LOG | PULL\_RESP: Protocol version = 02, Token = 4c27, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1014609261, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ACKfgRljSmGRhgX+clXAVacK+25bSIRhRa8hLjQ84fS1JpfQhVzuq1VE9MIEbR5163BumTqb2LLrTlQt+1G1oW1jkj4/ke3nbI5zV47lH0AxEPlUEZUB52Vvev/8+Bj4b5i9h1rF+kbA5dazn0yXZKhMKCQVk1jkwGu44JT/I+97+mz0pcCLFk83F2J1g0UD1nKl7a4WCWZageoXH2oCeU3QQFyUgS77yRuZysnIrE378QOXDEB24SzGld7ZF7x8nEcTU/K9T5Kui0cfwIRsqLgjgCwrUnrpw2dvOc/FRUm5foIXmOp0jHcvb44Iq+NPnFlf2YseU6kjG'}} |
| 0:13:56.620828 | LOG | Server --------------------> DUT |
| 0:13:56.620828 | LOG | TX\_ACK: 02 4c27 05 aa555a0000240409 |
| 0:13:57.855528 | LOG | PULL\_DATA: 02 a11e 02 aa555a0000240409 |
| 0:13:57.855528 | LOG | PULL\_ACK: 02 a11e 04 |
| 0:14:01.453508 | LOG | PUSH\_ACK: 02 1597 01 |
| 0:14:01.453508 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1597, Identifier = 00, JSON = {'rxpk': [{'tmst': 1017492325, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ABATgJsm4UQMQ'}]} |
| 0:14:01.453508 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0404, FOpts: ), FPort: e0, FRMPayload: 0374, MIC: b8510310) |
| 0:14:01.453508 | LOG | Server <-------------------- DUT |
| 0:14:01.453508 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a709, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e84ec4bb) |
| 0:14:01.453508 | LOG | PULL\_RESP: Protocol version = 02, Token = af28, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1019492325, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ACafgtUHuItzKLyOq5cNKPFRQ2E/b6DG1gCWtMujglaWCuV7l3An/vskUOdw0G37DdXTxh0kLJkZRLqDwq1ZtveH5imX2dwu2YUMlsEI5p5D0hR9h6a+sC93bAZQu8ytFRmLwYCGLzratIjzEcmxGwKp7SbJjBmz0Mn2j7T+SF7EQqWORg3mztCFKjpDIF0XBldRFsNCpliRcs/Zs9LgazsFgZ/s3wyUOH1kfv//3gkwW2PKJ3HqQDU1mXDnALqH75jmWJloJwttFbzkk/TqWzbPBpZKteX9SPq7NRmXKVK9Y0cHoggaVqWyK11nCsQIJM5shyYnoTsS7'}} |
| 0:14:01.453508 | LOG | Server --------------------> DUT |
| 0:14:01.453508 | LOG | TX\_ACK: 02 af28 05 aa555a0000240409 |
| 0:14:06.312059 | LOG | PUSH\_ACK: 02 1598 01 |
| 0:14:06.312059 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1598, Identifier = 00, JSON = {'rxpk': [{'tmst': 1022334870, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ABQTgDPImCIEq'}]} |
| 0:14:06.312059 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0405, FOpts: ), FPort: e0, FRMPayload: 0375, MIC: 2608812a) |
| 0:14:06.312059 | LOG | Server <-------------------- DUT |
| 0:14:06.312059 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a70a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 35646994) |
| 0:14:06.312059 | LOG | PULL\_RESP: Protocol version = 02, Token = ec3e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1024334870, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ACqfg8Wq5c7L4g/iRooOjZPKS1Qj9iOnAyCHdegjvJL1aA3yDqiI2RiYfNk/lboOUUk1fcc5t6yRbu88BbjVTGv8jisXe7YTHSaGvaAHN68KvN/pBFAyN0LqNo+tDJwdixe7QWZAX4Mvjeue0xVFXdtgaGzg1pc+oIJiKgUt5ndUYprUSrRMpZpE1qwU/MTqAKg7hvZMcAqGMAOvMRwjvaHO9p5jYHDymOp0A/Y4snAKko/tTkGpxP1yZLt2zfmw6t8UukK4Xqw5cZr0kd5FWv4YtmULi+Smmk6WsQJ99Kvboi50647KVkXOFdV+k/4x+nfGBKpM1ZGmU'}} |
| 0:14:06.312059 | LOG | Server --------------------> DUT |
| 0:14:06.312059 | LOG | TX\_ACK: 02 ec3e 05 aa555a0000240409 |
| 0:14:07.963225 | LOG | PULL\_DATA: 02 0ace 02 aa555a0000240409 |
| 0:14:07.963225 | LOG | PULL\_ACK: 02 0ace 04 |
| 0:14:11.190988 | LOG | PUSH\_ACK: 02 1599 01 |
| 0:14:11.193073 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1599, Identifier = 00, JSON = {'rxpk': [{'tmst': 1027177407, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ABgTgAkNun6CN'}]} |
| 0:14:11.193073 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0406, FOpts: ), FPort: e0, FRMPayload: 0376, MIC: 6e9fa08d) |
| 0:14:11.193073 | LOG | Server <-------------------- DUT |
| 0:14:11.193073 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a70b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7d5eacdd) |
| 0:14:11.193073 | LOG | PULL\_RESP: Protocol version = 02, Token = c69b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1029177407, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AC6fg707QWpDXdr6VFfWMJvZKZuZ1InxNDTf5lQcGo/KZ1Ck9Vpn3DvpfhU8DoFdSymQh830u4N1X/PcaVizYQp5zkThZS0x5MPA7SahAWELYhYsL+C9hOtixFq+xb8QJdVmT0poYdH2GEN6Lsha8U04Y0ll91t0F4CKcqo6OUTRSip4KeZ9Q9BIw/BJG0A62tRQaUIZ2HqNYReVVxVoogIkaQTIK1z2mw9WXW8yV/XWbGqIDkJ5ubSlhwFRifqcJm4xxXnuoXIXe2xLlWuAgbRgn8CuEqMh0eBbjwvUJuoed8G2l0D6AXEUCUdQMSR7+dHcouCl9Xqzd'}} |
| 0:14:11.193073 | LOG | Server --------------------> DUT |
| 0:14:11.193073 | LOG | TX\_ACK: 02 c69b 05 aa555a0000240409 |
| 0:14:15.999916 | LOG | PUSH\_ACK: 02 159a 01 |
| 0:14:15.999916 | LOG | PUSH\_DATA: Protocol version = 02, Token = 159a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1032019952, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ABwTgZXotLLNR'}]} |
| 0:14:15.999916 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0407, FOpts: ), FPort: e0, FRMPayload: 0377, MIC: 2d2cb351) |
| 0:14:15.999916 | LOG | Server <-------------------- DUT |
| 0:14:15.999916 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a70c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b71948ec) |
| 0:14:15.999916 | LOG | PULL\_RESP: Protocol version = 02, Token = 7e1b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1034019952, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ADKfgCNjvEioVUA7LNB6wCKPdDD/FfMdeMP06FkgFJRIyR4Ej6IyVMc8wP872w+9d2FcSeuyFRU4mBVwE/Kj+wzebNTupem+GRx3sxg+jK8ZQHLs1/rHRzZyNMY3J2OhCLqPB/eJBWZYbGUt/ZnYZym11Bb+owcBNu55R3atCPR+57Sp8ptNCBmtNROAdgOQhu3mytFlvueYQOAlkbk21DDsyhUGEZlZ7Q/7aQxisH/8jO277ufvQI7EM0TruUC0Xy8mw6ojhCMHdWemKUbmIswZO0f+V1kLdANfj3EHUezBLsxzPjb7PoXHFXCAzSjsW4gmBVVy3GUjs'}} |
| 0:14:15.999916 | LOG | Server --------------------> DUT |
| 0:14:15.999916 | LOG | TX\_ACK: 02 7e1b 05 aa555a0000240409 |
| 0:14:18.056072 | LOG | PULL\_DATA: 02 d8ea 02 aa555a0000240409 |
| 0:14:18.056435 | LOG | PULL\_ACK: 02 d8ea 04 |
| 0:14:20.818911 | LOG | PUSH\_ACK: 02 159b 01 |
| 0:14:20.821158 | LOG | PUSH\_DATA: Protocol version = 02, Token = 159b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1036862593, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ACATgL1a3WEU3'}]} |
| 0:14:20.821158 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0408, FOpts: ), FPort: e0, FRMPayload: 0378, MIC: b7584537) |
| 0:14:20.821158 | LOG | Server <-------------------- DUT |
| 0:14:20.821158 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a70d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 457b28a5) |
| 0:14:20.821158 | LOG | PULL\_RESP: Protocol version = 02, Token = e453, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1038862593, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ADafgMqBbRnTY/jYMmlxv5C5tTIiT4ntkFVOE+7DQHVCyu+ahRwFYdjdL7Btf0lhg8IJ2aVuXWGY69j3grYgN44gVC08Jq+auHe/uIrmMXbIVDlS02LpAO/xgKOOGAyLTyNicKPu/TDLXFmoH/ax9gH+kl2A9byyeWF4pczPt/wQmEIR7esVYAsW+sKJqnY5iHwzDvazpVk7+aCLBpxPi5MM7VR8AvFIvsPtyLKw5Ixl7K2fCqI23k23VS7Y2COq4gs7eK33lGPj7uedvK/HBl/oSUGC/a2fy4oNpvztKHJXzFiB5M66vMYUt35s1DW7Z6I+jqnZFeyil'}} |
| 0:14:20.821158 | LOG | Server --------------------> DUT |
| 0:14:20.821158 | LOG | TX\_ACK: 02 e453 05 aa555a0000240409 |
| 0:14:25.698861 | LOG | PUSH\_ACK: 02 159c 01 |
| 0:14:25.698861 | LOG | PUSH\_DATA: Protocol version = 02, Token = 159c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1041705155, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6ACQTgIllu/hcj'}]} |
| 0:14:25.698861 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0409, FOpts: ), FPort: e0, FRMPayload: 0379, MIC: 6efe1723) |
| 0:14:25.698861 | LOG | Server <-------------------- DUT |
| 0:14:25.698861 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a70e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 46b0556c) |
| 0:14:25.698861 | LOG | PULL\_RESP: Protocol version = 02, Token = 47d9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1043705155, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ADqfgWlqBT2aOGGUFDvWOnRpwfX7zMpGNogpBNqk3MJBYwEgE34meckvv06CdQ5+kvY+YSqTio4AFOSMaMo0hV69L+la8InHv7OCSbtnEE7YClphu/A2c9KgxQvwOWV8ptqzV6Iuad28EEs8QVT6eFAdiANQW7CEEgv+JoOUMsK/stZ49UxmcpA7BPn0EMTIFakoOCOFF8UwIX45irnNwUTh9SgdczdDdqmrih5Y1V8QjMXQRh1Vb53BEwndDUA/ANld7Aim6PefiJq/LUqgUamuOcKjximHEMJQvl0eM1IeV4cHFsPj2f8IMEKEtw5EXxGm5QfJGsFVs'}} |
| 0:14:25.698861 | LOG | Server --------------------> DUT |
| 0:14:25.698861 | LOG | TX\_ACK: 02 47d9 05 aa555a0000240409 |
| 0:14:28.187593 | LOG | PULL\_DATA: 02 9794 02 aa555a0000240409 |
| 0:14:28.187593 | LOG | PULL\_ACK: 02 9794 04 |
| 0:14:30.554622 | LOG | PUSH\_ACK: 02 159e 01 |
| 0:14:30.554622 | LOG | PUSH\_DATA: Protocol version = 02, Token = 159e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1046547915, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ACgTgbYnlgcqE'}]} |
| 0:14:30.554622 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 040a, FOpts: ), FPort: e0, FRMPayload: 037a, MIC: e581ca84) |
| 0:14:30.554622 | LOG | Server <-------------------- DUT |
| 0:14:30.554622 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a70f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a7a0c945) |
| 0:14:30.554622 | LOG | PULL\_RESP: Protocol version = 02, Token = 69da, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1048547915, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AD6fgbRm2gzU3x7nA0m4aNPs6Tfy7avmA0ES+rmgCHxGl82Jp/LIpOPbo0rC+dm5Lh9wQGfwvsmcFm9ApktNtgeopnal0CTdF1hImmqITvyV7zW48oSMs6Gfpfpu/Ub8MiWV9cTX98zwRG+RlgX24oKWsL1OQ8Up1fiZhnAB/abU1W5C1eOXLieH6BYySFy6V/ByhOKB4lpwCssbewFMfjOC50lhuSF3Uo0fq0KQy2zwbC0MiNSdvta1shwFBnPghnaTQwcVhKB3gLHzRgaHr6DSbI3stus06xkh655AAsMgVv/w0sATJyjScikysLMbap6QEFrOnoMlF'}} |
| 0:14:30.554622 | LOG | Server --------------------> DUT |
| 0:14:30.554622 | LOG | TX\_ACK: 02 69da 05 aa555a0000240409 |
| 0:14:35.386526 | LOG | PUSH\_ACK: 02 159f 01 |
| 0:14:35.386526 | LOG | PUSH\_DATA: Protocol version = 02, Token = 159f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1051390522, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ACwTgiBbvsn6c'}]} |
| 0:14:35.386526 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 040b, FOpts: ), FPort: e0, FRMPayload: 037b, MIC: efb27e9c) |
| 0:14:35.386526 | LOG | Server <-------------------- DUT |
| 0:14:35.386526 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a710, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b1c3cb06) |
| 0:14:35.386526 | LOG | PULL\_RESP: Protocol version = 02, Token = 72c4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1053390522, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AEKfg1FxZolnOr9jDVDpVmqvtyCVDjzcEAGiehwDE7hqlmnO52WSEIL+tT88+Meqns7FN9k5oamZz8GdJmQbWG2rAW5NkLKpIb1/9Y8Nfowfb7XtCIRbEoRAbZrnF9QBjjfE4EEzGg01cA9ZdvS2/6JxnrF4RYzZHVwOs51OJS8PhmhTLVx6y3rs6kU253m/E6/7XLwaRlN/fsvPg5AjV1Zj+RpRUFfAlEzJqxFB5I1EK6twd6DrtAqj47C6yNpGmPv+VzwJz/vgnyYfH6pG+RLcD5LoHgRKJMAdYMixUNRG3QKG73Nkl3OtnibtV/Ckd3YqaAJyxw8sG'}} |
| 0:14:35.386526 | LOG | Server --------------------> DUT |
| 0:14:35.386526 | LOG | TX\_ACK: 02 72c4 05 aa555a0000240409 |
| 0:14:38.248253 | LOG | PULL\_DATA: 02 8236 02 aa555a0000240409 |
| 0:14:38.248253 | LOG | PULL\_ACK: 02 8236 04 |
| 0:14:40.268650 | LOG | PUSH\_ACK: 02 15a0 01 |
| 0:14:40.268650 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15a0, Identifier = 00, JSON = {'rxpk': [{'tmst': 1056273584, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ADATgVPbbX/uK'}]} |
| 0:14:40.268650 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 040c, FOpts: ), FPort: e0, FRMPayload: 037c, MIC: db5ffb8a) |
| 0:14:40.268650 | LOG | Server <-------------------- DUT |
| 0:14:40.268650 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a711, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d685c7a2) |
| 0:14:40.268650 | LOG | PULL\_RESP: Protocol version = 02, Token = e572, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1058273584, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AEafghivTwl5WchjaeQPFuC0TgrAM+Sz7sIVP231BaXJHOLgBWy3U543leV/IxNWaLGo36M/JwMY4DC0k281tHd9IiLz/MZN/Q9II1mlNEqr9ZmXs2Ebx9BiaXj7qRisHZ47xa5O7y1Wk4x+sxD+Qshh0EaSxzfUfelMnEPhWrmHg2cJjTsHcnHqwe/3yjHjftjgKmKVt/gqXGF0h68OiYpyh+UwDv3LJ7Tmc0s7YfjN9blKH1mBuPEpOb1vUnardfVwncgPQFd7hhH7nxxUoJ9SeipJ+M7xE15zrToLy3ANw7wrHGLCTT+AnMvXqDTo00hmDinzWhcei'}} |
| 0:14:40.268650 | LOG | Server --------------------> DUT |
| 0:14:40.268650 | LOG | TX\_ACK: 02 e572 05 aa555a0000240409 |
| 0:14:45.118161 | LOG | PUSH\_ACK: 02 15a1 01 |
| 0:14:45.118161 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15a1, Identifier = 00, JSON = {'rxpk': [{'tmst': 1061116169, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ADQTghdAY+BJi'}]} |
| 0:14:45.118161 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 040d, FOpts: ), FPort: e0, FRMPayload: 037d, MIC: 18f81262) |
| 0:14:45.118161 | LOG | Server <-------------------- DUT |
| 0:14:45.118161 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a712, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 525b2919) |
| 0:14:45.118161 | LOG | PULL\_RESP: Protocol version = 02, Token = 2b38, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1063116169, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AEqfgavmkKc88Uz0GOgAWKNU1aodPNwUT9/VxzQ+8UsFNX1wYp7JE/D+hygUbyyGb+dN/mZi+hjdGd7DtGuwgqvi9Yu91Y3Lyg3rK6/fVHwAjMJI6l67gEWDAbN0PbgYoRgYgAkh15qhP5HktTJ1JUMD5EZGqbVm3eg9vQ9iFBxDlvXExJVpgxgpknlF7vkGTlJigZ6UyefEtoukSD/iCZwMHrkkw8zwPgFLSE1qqndHhnVyYhgRRM5a+KiDWhxLp6i/Qyo/OfsJVyc/zQhfk/BxxDjFxY2EGZ5QfxE0n3YkN84CNAZGOiVaTvNn2e3AkkBvFuiVSWykZ'}} |
| 0:14:45.118161 | LOG | Server --------------------> DUT |
| 0:14:45.118161 | LOG | TX\_ACK: 02 2b38 05 aa555a0000240409 |
| 0:14:48.425886 | LOG | PULL\_DATA: 02 0d64 02 aa555a0000240409 |
| 0:14:48.425886 | LOG | PULL\_ACK: 02 0d64 04 |
| 0:14:49.995834 | LOG | PUSH\_ACK: 02 15a2 01 |
| 0:14:49.995834 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15a2, Identifier = 00, JSON = {'rxpk': [{'tmst': 1065958721, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ADgTg0ebiCcXm'}]} |
| 0:14:49.995834 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 040e, FOpts: ), FPort: e0, FRMPayload: 037e, MIC: e209c5e6) |
| 0:14:49.995834 | LOG | Server <-------------------- DUT |
| 0:14:49.995834 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a713, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a47713bf) |
| 0:14:49.995834 | LOG | PULL\_RESP: Protocol version = 02, Token = 2ee8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1067958721, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AE6fgYuM8jGQp3XVssEs/8h/y/D0AbOVgJbz0IKxVBWQYp2JOIX+fRsiA8Zv7hr7WtHgYcJ9PCmHuRIbkKDFknep9JmDn1IU/l/qQvSWVM0rEMgMOM307h+fGv2HX/ATR0nbXOT7Mfuvw9BAwMMespGbt4qQC1CTVJaBb+TxqwjP6C4WoiXnhatdjMSaBCkbEQC/gCbDB2PeXGR73eYS2CfIowsfYYYGvGyKbnxKr5Tor2LU8G7hry/7uiL2uif+ETI8Rw+tB9+HodvVUsgf6VNJ0R+VHCQRiPTU2yD5iwtxgg/axJaGrAEwYbQ63DsJig/sel8OkdxO/'}} |
| 0:14:49.995834 | LOG | Server --------------------> DUT |
| 0:14:49.995834 | LOG | TX\_ACK: 02 2ee8 05 aa555a0000240409 |
| 0:14:54.783163 | LOG | PUSH\_ACK: 02 15a3 01 |
| 0:14:54.785199 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15a3, Identifier = 00, JSON = {'rxpk': [{'tmst': 1070801281, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6ADwTgAYPBIw0d'}]} |
| 0:14:54.785199 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 040f, FOpts: ), FPort: e0, FRMPayload: 037f, MIC: c1230d1d) |
| 0:14:54.785199 | LOG | Server <-------------------- DUT |
| 0:14:54.785199 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a714, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d9f484fb) |
| 0:14:54.785199 | LOG | PULL\_RESP: Protocol version = 02, Token = 0663, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1072801281, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AFKfgGoXyGsBX8ES4CMzD8n9QYs28fHRbrB8mVjnVdNtAEZ2+78nyLgpqN+CxRPxMP0J+nACmVD112a+FpbngNRM4MPPRJ26xtk5xXWcJbajSo5gQN3yHeb+4CcbNGJ3TZFaiKPqBZdwDOUTbOeZ25LQoouUP50Yxoj35sAbfUG6Jtd8GqS1M+B5doEE3Glw3gKz52adsp1UL226E2sTtuO8ljtHg8bThqJgCmMnqtt2MwYpcPeXirtXL0vqbBBNAHEFQgx2dKnlVmUs4+KlDCRQUxW+krtdR406GdFjoYJSUK9hOjCoBq+VXCKhhRo0iVDHTGLHZ9IT7'}} |
| 0:14:54.785199 | LOG | Server --------------------> DUT |
| 0:14:54.785199 | LOG | TX\_ACK: 02 0663 05 aa555a0000240409 |
| 0:14:58.509591 | LOG | PULL\_DATA: 02 bfb8 02 aa555a0000240409 |
| 0:14:58.509591 | LOG | PULL\_ACK: 02 bfb8 04 |
| 0:14:59.660303 | LOG | PUSH\_ACK: 02 15a5 01 |
| 0:14:59.660303 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15a5, Identifier = 00, JSON = {'rxpk': [{'tmst': 1075644017, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AEATgeSvn95xZ'}]} |
| 0:14:59.660303 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0410, FOpts: ), FPort: e0, FRMPayload: 0380, MIC: e7f79c59) |
| 0:14:59.660303 | LOG | Server <-------------------- DUT |
| 0:14:59.660303 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a715, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 44fee763) |
| 0:14:59.660303 | LOG | PULL\_RESP: Protocol version = 02, Token = 0722, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1077644017, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AFafguy9XPqwOxuGMjRZS81kaxH3UfdhwbtpJDzWTAQaPNvAYHDE6wZnL958Z2S8vWByhlbCw3WM/zLSw+16NhGF2eSuR8zeQdR9LfjD1dsprgE+o3v/WQWR2GXMtf7AzK13MKJB8h7S3fkC0hHoDAr69OhZdYwxLaRR2q89F86d5386z1qTWBripztth2i8y7LRgT4C2TE4Jp8xmR0BPop/6NHgSalWsSGWkEOeIYIpQP0Kz8lHuR0G43m8bYqosR3Akr8FIiVuu3c17+gD3y9sNiALRA2b+MEsY04iMaSwatpxa2Bn2MjiNOrKQEiIeaX0kxC5E/udj'}} |
| 0:14:59.660303 | LOG | Server --------------------> DUT |
| 0:14:59.660303 | LOG | TX\_ACK: 02 0722 05 aa555a0000240409 |
| 0:15:04.496936 | LOG | PUSH\_ACK: 02 15a6 01 |
| 0:15:04.496936 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15a6, Identifier = 00, JSON = {'rxpk': [{'tmst': 1080486624, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AEQTgLq4K2ouu'}]} |
| 0:15:04.496936 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0411, FOpts: ), FPort: e0, FRMPayload: 0381, MIC: 0ada8bae) |
| 0:15:04.496936 | LOG | Server <-------------------- DUT |
| 0:15:04.496936 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a716, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1dfa3a88) |
| 0:15:04.496936 | LOG | PULL\_RESP: Protocol version = 02, Token = 854a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1082486624, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AFqfg/7OZHfPA1Wlf8tuzOrbK3d0bNHyq5KQhlwTjToF4LTXh6z5kZqJneiBFa5aReeow3Tn0fg89DYOIZynK0EUWipZfnSmcXwuk/+7hOpByY4QDdoG8kmV2e1jksa2q+wTBUKLdJ03XppvhzmrzhYiNlhvCZUivK+IEB6erOvu+hu2/r7PHTrVPdvGoRrpb8NC/Z80oDe8qdWGmM2k1q4AhqBrZSDQaBgkZg8LVkehBlXN8gUORizT3EtzfwqdogCnj/tpYAaRn38wzt33brdzzfk1li+2JxsuTltvPTmd66qU9ydzoaf8X93XHM3tou3BPiq0d+jqI'}} |
| 0:15:04.496936 | LOG | Server --------------------> DUT |
| 0:15:04.496936 | LOG | TX\_ACK: 02 854a 05 aa555a0000240409 |
| 0:15:08.594124 | LOG | PULL\_DATA: 02 19c3 02 aa555a0000240409 |
| 0:15:08.594124 | LOG | PULL\_ACK: 02 19c3 04 |
| 0:15:09.354487 | LOG | PUSH\_ACK: 02 15a7 01 |
| 0:15:09.354487 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15a7, Identifier = 00, JSON = {'rxpk': [{'tmst': 1085329185, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AEgTgsKJWrbVF'}]} |
| 0:15:09.354487 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0412, FOpts: ), FPort: e0, FRMPayload: 0382, MIC: 56adb545) |
| 0:15:09.354487 | LOG | Server <-------------------- DUT |
| 0:15:09.354487 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a717, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e0e59e9f) |
| 0:15:09.354487 | LOG | PULL\_RESP: Protocol version = 02, Token = 3814, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1087329185, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AF6fgwwHGXYJPhrbf7jUdcNR6QdYsSzLNvJRdi7hzQ8ZZJFtvdxMX/Q8NWt67jhiZVaR38RvlYODmDP1q1qrxbFUDj+KvBvBolSlVevdsNMyfh2HWdbwUpY8OdQoDyRi4CIV0Rd1A+617aZC7MM837hHsRiHdtDuizON3LpM/bi69EzxkvkKYCty9WAZLZrdZpFPF1w6dmLV/3boHdBYnKOzCzHA3joQISs3FDJNXaGxXVlxZrhdFvhsk96QTEh9ceiCnaR/oHbrVNp6Q95ZhCyBAy/uUFGZYFe/VbbjXV5D0aiF/teliEKCaOT/7uKba3m34i0Pg5Z6f'}} |
| 0:15:09.354487 | LOG | Server --------------------> DUT |
| 0:15:09.354487 | LOG | TX\_ACK: 02 3814 05 aa555a0000240409 |
| 0:15:14.167046 | LOG | PUSH\_ACK: 02 15a8 01 |
| 0:15:14.167046 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15a8, Identifier = 00, JSON = {'rxpk': [{'tmst': 1090171760, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AEwTg4Vy5lRoB'}]} |
| 0:15:14.167046 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0413, FOpts: ), FPort: e0, FRMPayload: 0383, MIC: b9951a01) |
| 0:15:14.167046 | LOG | Server <-------------------- DUT |
| 0:15:14.167046 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a718, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d946f3b4) |
| 0:15:14.167046 | LOG | PULL\_RESP: Protocol version = 02, Token = 9c59, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1092171760, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AGKfghKi+sVjewpL9P+mwgjf3zUhnJhW0yjvEFiq3n7c1nGGRz3TJL9Kuu/l+U0vCwCWUTQK6XjQJYwMRCWgy5zQ3M2eqylFW1Tbl0OkRKq0EOyEJmItGs2ez4+t2VBrnXMNmFH2Xm7v/5U7hQbuUim0+noC0UPFqH1neOXm+/485ibJkUuCh5HJVMtB25BhqwxW7uHQxqoo9bP4BxlpcdJBhERFUNX53xx1xXbueQN2HytTlsW0eHxjhym/rU6vPguYHng8IP//d5/OHBybWQwAFjhQdqmjNpbduw0Pajqxyg7eplU+YF+6rrXcw8oN0xX+nVD7ZRvO0'}} |
| 0:15:14.167046 | LOG | Server --------------------> DUT |
| 0:15:14.167046 | LOG | TX\_ACK: 02 9c59 05 aa555a0000240409 |
| 0:15:18.691252 | LOG | PULL\_DATA: 02 4e43 02 aa555a0000240409 |
| 0:15:18.691252 | LOG | PULL\_ACK: 02 4e43 04 |
| 0:15:19.061204 | LOG | PUSH\_ACK: 02 15a9 01 |
| 0:15:19.061204 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15a9, Identifier = 00, JSON = {'rxpk': [{'tmst': 1095054776, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AFATga0ZVPg5T'}]} |
| 0:15:19.061204 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0414, FOpts: ), FPort: e0, FRMPayload: 0384, MIC: 553e0e53) |
| 0:15:19.061204 | LOG | Server <-------------------- DUT |
| 0:15:19.061204 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a719, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 115f19db) |
| 0:15:19.061204 | LOG | PULL\_RESP: Protocol version = 02, Token = 9577, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1097054776, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AGafg2TbuepzbI2xVYqw7qi1tT2bzpP+dPY3n7Grb48t20pQXg7I3+DV1BY/nr2v92RXi+yeSRNWfGHtuUVu8VQHddsnCJW4kxdZGtxRpIMV2ybMb9wekMDum6AnFm1afLUnULXfCqGX68ki/PjK3VR9ce655EPsgKAZj7iStiZevnAVLNMT9Zj+qxwkRM2lhaGYoICg++wfioQlEfFV3AhbTuLi/7JgJMS4MtXTPiKadfTjGgpf8RV2YCsXqR7Ptnc2tbL+sojEW9KZE+BvuppAKqcb8Dt34ORX4sokytCYxL+BMWkKTFk1eO3i07li+uozbhxQRXxnb'}} |
| 0:15:19.061204 | LOG | Server --------------------> DUT |
| 0:15:19.061204 | LOG | TX\_ACK: 02 9577 05 aa555a0000240409 |
| 0:15:23.864196 | LOG | PUSH\_ACK: 02 15aa 01 |
| 0:15:23.864196 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15aa, Identifier = 00, JSON = {'rxpk': [{'tmst': 1099897400, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AFQTgh94Jb7rM'}]} |
| 0:15:23.864196 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0415, FOpts: ), FPort: e0, FRMPayload: 0385, MIC: 096fbacc) |
| 0:15:23.864196 | LOG | Server <-------------------- DUT |
| 0:15:23.864196 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a71a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 19c1fde4) |
| 0:15:23.864196 | LOG | PULL\_RESP: Protocol version = 02, Token = d8f6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1101897400, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AGqfgN3RG/iiLIBIj0AaFkX9DS3K507BmHLDbQ6N9BnusIrFvwuJSkm3KaVudGuQ3sadgepa2S2yf/PiVXkyUSsCjGJrqwzVSRO5SZ4TlssN1CTRLQsTGH61CH9C6CL5lkSQZbLzvBJO9XWPbifFJ4ccnuxvmQL+RJQ4zY41e3PjjbqE3niBak17DwvZahOZ3fu25zpUNf7Nn8B5Lr0lHTK1oPtNvnPtcVvQStf+UD69P0cJBfuU/WwSgAj8fmFc/yI4u6K+b7gHv+g6bp6kWEusSSD3dSXAV9V/NLx0/W6Cg64aaVQABJ1NI95A5eA1PXdJRGOwZwf3k'}} |
| 0:15:23.864196 | LOG | Server --------------------> DUT |
| 0:15:23.864196 | LOG | TX\_ACK: 02 d8f6 05 aa555a0000240409 |
| 0:15:28.766277 | LOG | PULL\_DATA: 02 1737 02 aa555a0000240409 |
| 0:15:28.766277 | LOG | PULL\_ACK: 02 1737 04 |
| 0:15:28.776244 | LOG | PUSH\_ACK: 02 15ac 01 |
| 0:15:28.776244 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15ac, Identifier = 00, JSON = {'rxpk': [{'tmst': 1104739961, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AFgTg5L7QLA3W'}]} |
| 0:15:28.776244 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0416, FOpts: ), FPort: e0, FRMPayload: 0386, MIC: d02c0dd6) |
| 0:15:28.776244 | LOG | Server <-------------------- DUT |
| 0:15:28.776244 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a71b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4670e1e1) |
| 0:15:28.776244 | LOG | PULL\_RESP: Protocol version = 02, Token = aa66, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1106739961, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AG6fgflDKvgMTbCIvakQa8y9xSt98TRM0uPKu6ugkxZQ/Df1sf7kO80Nvqy1N6RuWj0XZbJIMq1f/zTBcJprCmDpP/TJ/XsWFdhcUR8TRv4S5qcq8LDZF4zZ64SfMWMvPnNtSsLRe3iNdJwvbcQAZ2ISfVxi5L4Pb8XDcXygTJMf42IKqQ2DH2GyfUyYtCzCQNOuoDqJKZ2Cal/n6oMRtqZGOj/MvYgXA9KJIFYTXpsN7PWHomkB+SaAGBGaq0w3288YYooHq+XpnRaf+7mc65zwZqW6oCVqkI1GGhP4/10iBPOTIXaigXN+8pLMzzXq59yN8dfFGcOHh'}} |
| 0:15:28.776244 | LOG | Server --------------------> DUT |
| 0:15:28.776244 | LOG | TX\_ACK: 02 aa66 05 aa555a0000240409 |
| 0:15:33.607042 | LOG | PUSH\_ACK: 02 15ad 01 |
| 0:15:33.609088 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15ad, Identifier = 00, JSON = {'rxpk': [{'tmst': 1109582730, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AFwTgKWtih4yD'}]} |
| 0:15:33.609088 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0417, FOpts: ), FPort: e0, FRMPayload: 0387, MIC: 62878c83) |
| 0:15:33.609088 | LOG | Server <-------------------- DUT |
| 0:15:33.609088 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a71c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 76539759) |
| 0:15:33.609088 | LOG | PULL\_RESP: Protocol version = 02, Token = 3ee6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1111582730, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AHKfgyzWekgDz626WE1wB0nOFrGWCrDiTZk1xI4Tg4vz7rW6pwcbMX0esCz4qSDGuN5PUt/GbweG7xuBQRX/pGlSMpT9OfxuhGVMQByBrProEh0JjYrPX4Sn81DZRB/bbTwFvqEtUv0tw1OBnmwdNTyD6NQJKZ0GBQ9abu6/hXbA9c8f5884aQBUopLN5oHwWJ94gaR5Z06UJOj/e6mLRWshIA6WDJWa4qvA29tdgXAcp4Ixc6JbivCnt3s5PdriDh+GJP7Jivsk+UWwiu4+DZ+XAFV5rIYGJo06prlppUnfiJrcZOsSe+INA3aHLOYcvX5cgSA92U5dZ'}} |
| 0:15:33.609088 | LOG | Server --------------------> DUT |
| 0:15:33.609088 | LOG | TX\_ACK: 02 3ee6 05 aa555a0000240409 |
| 0:15:38.446905 | LOG | PUSH\_ACK: 02 15ae 01 |
| 0:15:38.448951 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15ae, Identifier = 00, JSON = {'rxpk': [{'tmst': 1114425250, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AGATgHPURJx9z'}]} |
| 0:15:38.448951 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0418, FOpts: ), FPort: e0, FRMPayload: 0388, MIC: 11271f73) |
| 0:15:38.448951 | LOG | Server <-------------------- DUT |
| 0:15:38.448951 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a71d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9474ffd7) |
| 0:15:38.448951 | LOG | PULL\_RESP: Protocol version = 02, Token = 8f38, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1116425250, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AHafgXh1TspwDdf3pMlFYmoytuZ4eB0D/VmvJULak91a+mQ7lZPSy5Rgdo8zLEFOhU36+6/B40kBw3gzQ2MsKTXHKHY+57DjNKBiCxMf2Pl8SUcTRBDbRSP7K/72uiCC1nyHR+NH5MavpyhWczhn0aN4CMlT6hz5hTm6c9sXzETS5dXrQO6XM+ewSQx2IfnvGLdO2jDi5wHGCujatOS3ezKkXXJu9QCDv7zWBmmYdVy1yypcbWzDIGmcaTqklBEkWPFADmhsKg08AJeVGvGJHr9ESZr5dS+ChLIGvpi0yfn4butvy7hkJIamZ36jAeU8RHQwj7BCUdP/X'}} |
| 0:15:38.448951 | LOG | Server --------------------> DUT |
| 0:15:38.448951 | LOG | TX\_ACK: 02 8f38 05 aa555a0000240409 |
| 0:15:38.867000 | LOG | PULL\_DATA: 02 f398 02 aa555a0000240409 |
| 0:15:38.867000 | LOG | PULL\_ACK: 02 f398 04 |
| 0:15:43.246341 | LOG | PUSH\_ACK: 02 15af 01 |
| 0:15:43.248587 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15af, Identifier = 00, JSON = {'rxpk': [{'tmst': 1119267834, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AGQTg/2egjmIq'}]} |
| 0:15:43.248587 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0419, FOpts: ), FPort: e0, FRMPayload: 0389, MIC: a08e622a) |
| 0:15:43.248587 | LOG | Server <-------------------- DUT |
| 0:15:43.256656 | LOG | Number of downlinks: 60 |
| 0:15:43.256656 | LOG | Number of errors: 0 |
| 0:15:43.266625 | LOG | Packet Error Rate (%): 0.0 |
| 0:15:43.266625 | LOG | Packet error rate SF8BW125 process tested successfully |
| 0:15:43.266625 | LOG | End Test Step: Test packet error rate for SF10BW500 using RX2 window |
| 0:15:43.266625 | LOG | Partial Verdict: PASS |
| 0:15:43.276627 | LOG | ========================================================= |
| 0:15:43.276627 | LOG | ========================================================= |
| 0:15:43.276627 | LOG | Start Test Step: Test packet error rate for SF9BW500 using RX2 window |
| 0:15:43.286626 | LOG | Send RXParamSetupReq process starts |
| 0:15:48.133643 | LOG | PUSH\_ACK: 02 15b0 01 |
| 0:15:48.135686 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15b0, Identifier = 00, JSON = {'rxpk': [{'tmst': 1124110402, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AGgTg/S6r2y6z'}]} |
| 0:15:48.135686 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 041a, FOpts: ), FPort: e0, FRMPayload: 0389, MIC: abdb2eb3) |
| 0:15:48.135686 | LOG | Server <-------------------- DUT |
| 0:15:48.135686 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a71e, FOpts: ), FPort: 00, FRMPayload: 050b68e28c), MIC: 8e5031ac) |
| 0:15:48.135686 | LOG | PULL\_RESP: Protocol version = 02, Token = 37cc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1125110402, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AHqcAc6WhAv2OUDGs'}} |
| 0:15:48.135686 | LOG | Server --------------------> DUT |
| 0:15:48.135686 | LOG | TX\_ACK: 02 37cc 05 aa555a0000240409 |
| 0:15:48.987487 | LOG | PULL\_DATA: 02 8db4 02 aa555a0000240409 |
| 0:15:48.987487 | LOG | PULL\_ACK: 02 8db4 04 |
| 0:15:52.943434 | LOG | PUSH\_ACK: 02 15b1 01 |
| 0:15:52.943434 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15b1, Identifier = 00, JSON = {'rxpk': [{'tmst': 1128953314, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CGwQFB+ATmvcC4GM='}]} |
| 0:15:52.943434 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 041b, FOpts: 0507), FPort: e0, FRMPayload: 038a, MIC: f702e063) |
| 0:15:52.943434 | LOG | Server <-------------------- DUT |
| 0:15:52.943434 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:15:52.943434 | LOG | Command Answer: 0507 |
| 0:15:52.955827 | LOG | Send ACK to DUT process starts |
| 0:15:52.955827 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a71f, FOpts: ), FPort: , FRMPayload: ), MIC: c49b337c) |
| 0:15:52.955827 | LOG | PULL\_RESP: Protocol version = 02, Token = d06f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1129953314, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AH6fEmzN8'}} |
| 0:15:52.955827 | LOG | Server --------------------> DUT |
| 0:15:52.955827 | LOG | Send ACK to DUT tested successfully |
| 0:15:52.955827 | LOG | MAC command communication completed |
| 0:15:52.965829 | LOG | Packet error rate (Unconfirmed) SF8BW125 process starts |
| 0:15:57.812618 | LOG | PUSH\_ACK: 02 15b3 01 |
| 0:15:57.812618 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15b3, Identifier = 00, JSON = {'rxpk': [{'tmst': 1133836027, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AHATgxUSx/Bpr'}]} |
| 0:15:57.812618 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 041c, FOpts: ), FPort: e0, FRMPayload: 038b, MIC: b1fc1a6b) |
| 0:15:57.812618 | LOG | Server <-------------------- DUT |
| 0:15:57.812618 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a720, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 562dfda9) |
| 0:15:57.812618 | LOG | PULL\_RESP: Protocol version = 02, Token = b22a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1135836027, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AIKfgZ3zeTqQbUoBLOMg5ckMa88+MSoIJCE7GiXTHBs4QqsS4kJUFQoocLel9K3TszSjwQG0dUywqtPJQgxzZaj91RdON5M3Xu0NJ2m/58qMFLIsL9CD6KeeZeG7VaQviY9t6ZjMZqshgEsHYj9JxSLU5DjoKxejds4/BKsV6xVHW455cvrjvVmek362Yvf2+rl0OgpXWG5RfZhjUSQGk9lhEAlqTZsMX/epifpNRk+DpuFYDmDrY9E4fSYcZKLuDVbYwd/HJTNHA8EC089yU0rNWFML6fsds0qtSmQxsEAxPB0fvOZFqdR4lShSKf9ZCakTgjPJWLf2p'}} |
| 0:15:57.812618 | LOG | Server --------------------> DUT |
| 0:15:57.812618 | LOG | TX\_ACK: 02 b22a 05 aa555a0000240409 |
| 0:15:59.051684 | LOG | PULL\_DATA: 02 1c7e 02 aa555a0000240409 |
| 0:15:59.051684 | LOG | PULL\_ACK: 02 1c7e 04 |
| 0:16:02.645892 | LOG | PUSH\_ACK: 02 15b4 01 |
| 0:16:02.645892 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15b4, Identifier = 00, JSON = {'rxpk': [{'tmst': 1138678650, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AHQTgQaSB6Qfr'}]} |
| 0:16:02.645892 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 041d, FOpts: ), FPort: e0, FRMPayload: 038c, MIC: 81e907eb) |
| 0:16:02.645892 | LOG | Server <-------------------- DUT |
| 0:16:02.645892 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a721, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a388634d) |
| 0:16:02.645892 | LOG | PULL\_RESP: Protocol version = 02, Token = d483, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1140678650, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AIafgwbc8e3N9dcK/dZSPftWDUofZ0cUx3crW9RQSfVW3y9rrDrBskvGWIq5IZeYiJaB+K9/yxwFew7DUdE+Vrcn4DH+NXzQ21RR4hS1t042+1V4vAV1ZicTw9X3PDdsurcymgvfLO5CKVLvqMiWytSZeb34VkEAwC7+A2GM7+c+QIF/rNFs5Nfr5UiVjDmx0cKt0zf4Op03y4PFPh7W7Hs60+aeRdwqtZDU7r5JT5h5Y9qzVlpUILjUjl3v8JqG5sN7d62GZ3rOY6IYd9qw6KMaQOYjuMaC1nJNBYLbrKvYznzRaT4ew+FkP0qTJaOmpsZTAOSijiGNN'}} |
| 0:16:02.645892 | LOG | Server --------------------> DUT |
| 0:16:02.645892 | LOG | TX\_ACK: 02 d483 05 aa555a0000240409 |
| 0:16:07.561566 | LOG | PUSH\_ACK: 02 15b5 01 |
| 0:16:07.561566 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15b5, Identifier = 00, JSON = {'rxpk': [{'tmst': 1143521211, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AHgTgiHKGSYWF'}]} |
| 0:16:07.561566 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 041e, FOpts: ), FPort: e0, FRMPayload: 038d, MIC: 86498585) |
| 0:16:07.561566 | LOG | Server <-------------------- DUT |
| 0:16:07.561566 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a722, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 550d26b4) |
| 0:16:07.561566 | LOG | PULL\_RESP: Protocol version = 02, Token = b93b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1145521211, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AIqfg0Jr6HJZGfNF0bUe3cygda6oTwztw3z1JUOufz8i1UJehe2+WHr6GpuapGgJcNylgICtTHH9PUDi2oGflUVTO7p6NCXqTqZsAZQHvllF1/UbYhX2ftS9of/93Ug+KvpI2yXY54VyoBDW1AAZ+8g+LZsD+3Di0xNuJCZxLiYSaA8wlusFvmJKX2/RNQ9EvrGmmWjARuy9Oh3L61IblyGTfs+GTYOMfEp4BTlBqUYhxHD66BpGRzZef2ELl9h4uSA1TT4BhtAasvLSpB/j34q2DzOQiGIR2m/cvUHp9INhJSMSlrZGAPlNWnB4UychS+fuBpw1VDSa0'}} |
| 0:16:07.561566 | LOG | Server --------------------> DUT |
| 0:16:07.561566 | LOG | TX\_ACK: 02 b93b 05 aa555a0000240409 |
| 0:16:09.201317 | LOG | PULL\_DATA: 02 f857 02 aa555a0000240409 |
| 0:16:09.201317 | LOG | PULL\_ACK: 02 f857 04 |
| 0:16:12.376844 | LOG | PUSH\_ACK: 02 15b6 01 |
| 0:16:12.378934 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15b6, Identifier = 00, JSON = {'rxpk': [{'tmst': 1148363837, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AHwTgZbzHZIOz'}]} |
| 0:16:12.378934 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 041f, FOpts: ), FPort: e0, FRMPayload: 038e, MIC: c76483b3) |
| 0:16:12.378934 | LOG | Server <-------------------- DUT |
| 0:16:12.378934 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a723, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 07594b37) |
| 0:16:12.378934 | LOG | PULL\_RESP: Protocol version = 02, Token = 90a1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1150363837, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AI6fgWQh+3mFZusTmKW63Yk+1nIkVrgzMyu6i0l7LVcibx2WeOkW74bnCaNk1Pbiq7eTEViBUaTuyuQqVl3/MBJxXuoOG7TaoLrfYUUlwhWGNKwwB3w1nz5jcoITd6h6V1YKbcRRY6BqBeZ0Bq8ILYaKXhl6Hr7z6QP3DdAow152Yk78PNRmK+zM4E00wIWyxv/uEe0zQJJMiV87HweslUEpq3d7i6dHl9IZ0BA6S6LCwBhyih/b9uJM/P9S5GyN6joJ1yUSEREt/ajlUtw1RieZ22EeCia68HZAL0tjvljkLS0iNnqCquVhhNH72qz05SwMCDFYHWUs3'}} |
| 0:16:12.378934 | LOG | Server --------------------> DUT |
| 0:16:12.378934 | LOG | TX\_ACK: 02 90a1 05 aa555a0000240409 |
| 0:16:17.196982 | LOG | PUSH\_ACK: 02 15b7 01 |
| 0:16:17.196982 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15b7, Identifier = 00, JSON = {'rxpk': [{'tmst': 1153206405, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AIATg0FDx6q+E'}]} |
| 0:16:17.196982 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0420, FOpts: ), FPort: e0, FRMPayload: 038f, MIC: f1eaaf84) |
| 0:16:17.196982 | LOG | Server <-------------------- DUT |
| 0:16:17.196982 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a724, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3a66d9df) |
| 0:16:17.196982 | LOG | PULL\_RESP: Protocol version = 02, Token = a61c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1155206405, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AJKfgQHCCH/O0u0q7JgU5NM5eVq1CIqXqjiqfnZ2sgbvI+44PINjGx3lh7H7RBC8ljsHfTKjQbgiNx34RbRHDKtFq3iEh5OGC+DhkbHfLZ8Na1bOfHTcsdO1eGf8C7+A1/L01VPjodpJi68BrYDIJGYzJE7gP3KFFXJ8E28YmKu75xIYo2ZN+0Q5aZHdCB0ViCqBpa9FXs4gQiShxo6HZHwCfKyjVusweP/inyHQlzB4PG1mpTdZZ93RSRg6TYuK0eBuJbKjoncI1KqSpZoer7wyLFSgqElkwglN18bgEV0anWC7cfOp+novoePr5BcP1fu3L2G06Ztnf'}} |
| 0:16:17.196982 | LOG | Server --------------------> DUT |
| 0:16:17.196982 | LOG | TX\_ACK: 02 a61c 05 aa555a0000240409 |
| 0:16:19.280076 | LOG | PULL\_DATA: 02 c315 02 aa555a0000240409 |
| 0:16:19.280076 | LOG | PULL\_ACK: 02 c315 04 |
| 0:16:22.049246 | LOG | PUSH\_ACK: 02 15b8 01 |
| 0:16:22.049246 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15b8, Identifier = 00, JSON = {'rxpk': [{'tmst': 1158048974, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AIQTggz4vkLiD'}]} |
| 0:16:22.049246 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0421, FOpts: ), FPort: e0, FRMPayload: 0390, MIC: 2f90b883) |
| 0:16:22.049246 | LOG | Server <-------------------- DUT |
| 0:16:22.049246 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a725, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 99814c57) |
| 0:16:22.049246 | LOG | PULL\_RESP: Protocol version = 02, Token = 7818, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1160048974, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AJafgTFKfWKrsee8o5nrys0nzzpo4dGBA60VNZs8w3YLZCr996Mif+H96+c8+RutLiDa01W07ILIMPFW9dW9vdc5TSspb0E9h+ZgC0VwDEZLDK8gPUyAczp/+Dw3oJCAu7dQFsLcw30iOEOv8H8m+MsPFf/4Bj6s57U7rIxB+iT60RnhVmYaxR4s/OJj+oPB/8dfq9NERwbYO87CX61lsImQqYBtuhjYm8j6ms+dLhOK/l3/WNxfTqEMJPTprUrtrmAZ4DTR/nZQT7LDGs5cUnD1Ije/yoOImDTgvnoVGMnw/fXOd8y896QLF3w92z8s6k9D7Hp+ZgUxX'}} |
| 0:16:22.049246 | LOG | Server --------------------> DUT |
| 0:16:22.049246 | LOG | TX\_ACK: 02 7818 05 aa555a0000240409 |
| 0:16:26.848417 | LOG | PUSH\_ACK: 02 15b9 01 |
| 0:16:26.848417 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15b9, Identifier = 00, JSON = {'rxpk': [{'tmst': 1162891541, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AIgTg85C9Rvhw'}]} |
| 0:16:26.851231 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0422, FOpts: ), FPort: e0, FRMPayload: 0391, MIC: bd46f870) |
| 0:16:26.851231 | LOG | Server <-------------------- DUT |
| 0:16:26.851231 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a726, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 53e1afa8) |
| 0:16:26.851231 | LOG | PULL\_RESP: Protocol version = 02, Token = 3247, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1164891541, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AJqfg+p9PUsdgESIfeK+HVKMeuuZ7MYxTyudJxbdEKpt/AAyp843pzfy1ddZjvi3mJlKNI7UBv6eYh9AF+dpq5pZX3leEmbG3lf+fGtaqPZkc6icHzpOREF6uee/pB3KJ24/kdid3kLPSX2T3Rq/gtWNZNYzSaD4H/Isdl9tx8WZybP0dS7Y51sYsfWNgQ2as1xU1iD9E6JsASFK7TgW8qiSqasHogVGuNM9a2aQFNW5TYRQ1n1IG1LnCt3VwGk2xmbi5BvzFpyJ5MEC+4Ie8EhokVIBkVDGKCB/fIjrfI9L6AL177npak0ax9QJZr6JYZo5BcUZT4a+o'}} |
| 0:16:26.851231 | LOG | Server --------------------> DUT |
| 0:16:26.851231 | LOG | TX\_ACK: 02 3247 05 aa555a0000240409 |
| 0:16:29.323864 | LOG | PULL\_DATA: 02 cc57 02 aa555a0000240409 |
| 0:16:29.323864 | LOG | PULL\_ACK: 02 cc57 04 |
| 0:16:31.688514 | LOG | PUSH\_ACK: 02 15bb 01 |
| 0:16:31.690608 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15bb, Identifier = 00, JSON = {'rxpk': [{'tmst': 1167734118, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AIwTgDRydh+N7'}]} |
| 0:16:31.690608 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0423, FOpts: ), FPort: e0, FRMPayload: 0392, MIC: 9d87e37b) |
| 0:16:31.690608 | LOG | Server <-------------------- DUT |
| 0:16:31.690608 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a727, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 6b17e4c5) |
| 0:16:31.690608 | LOG | PULL\_RESP: Protocol version = 02, Token = 62c9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1169734118, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AJ6fg/1UAqyryl9zmoxx/6fFa+mvktXvsi4FfJ2afebGpZ1z9DdIXQ2A7H0BXIZpwKIErOJghZpqqn5YLoFrI8lMBlwkmAncoXbD4Kf6gM9OGkch/xzwIFe6oBS1MYzfTJ1pBGhop+4bRHEWoVWG4jjVcVZXPOHgwoKlNlzA1OC7G/U2kVB/NJOGQx1qc+CRxzCU5BcEXIjxmIuO4u+7PwnGbCq2G2YnUN1IfDW1Vumv0B5cMAsQENFx5qtDdUl/O1s6QdzvsEK/ZCIkj6UgO+29Wju23+AmT+kmTjxHsgS3u+Sx6AfpnhhUYJgL/RRIEYW1goptrF+TF'}} |
| 0:16:31.690608 | LOG | Server --------------------> DUT |
| 0:16:31.690608 | LOG | TX\_ACK: 02 62c9 05 aa555a0000240409 |
| 0:16:36.640597 | LOG | PUSH\_ACK: 02 15bc 01 |
| 0:16:36.640597 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15bc, Identifier = 00, JSON = {'rxpk': [{'tmst': 1172617396, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AJATgOLbsxpV7'}]} |
| 0:16:36.640597 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0424, FOpts: ), FPort: e0, FRMPayload: 0393, MIC: ecc6957b) |
| 0:16:36.640597 | LOG | Server <-------------------- DUT |
| 0:16:36.640597 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a728, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fe8f1586) |
| 0:16:36.640597 | LOG | PULL\_RESP: Protocol version = 02, Token = 1846, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1174617396, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AKKfgm8xQwBJ8lu+XBkUGmW6c3HENp9Bw199IeGYHAo7aKVLsALKcrhLCuwjW8+Jo9qqRdxOBAt+l+IsY0eNFUZxm5XzUhO34aV14HG0SwaQLb8k2HCikjfjEqpAPDXJ97AQLQ5gFslpcjq//jXr/s80NL8TNyzijSiHkfE813C4KyjdGTNdi0WkAupdmAkeTFuGWJffUSXsQ84s9rcCkzkhyODh34a2jSwkhfQDH1MH2ayHcS33Vtgrqwk/ttdaQ3HdYFCLuB7DnaImhCS+XGaldELrRcG84u+OhJpX7IuDXKkbj+vYZ6whKTVetJUTJi5g00gf+jxWG'}} |
| 0:16:36.640597 | LOG | Server --------------------> DUT |
| 0:16:36.640597 | LOG | TX\_ACK: 02 1846 05 aa555a0000240409 |
| 0:16:39.506719 | LOG | PULL\_DATA: 02 9667 02 aa555a0000240409 |
| 0:16:39.506719 | LOG | PULL\_ACK: 02 9667 04 |
| 0:16:41.433611 | LOG | PUSH\_ACK: 02 15bd 01 |
| 0:16:41.433611 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15bd, Identifier = 00, JSON = {'rxpk': [{'tmst': 1177459966, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AJQTgcAFCMblW'}]} |
| 0:16:41.433611 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0425, FOpts: ), FPort: e0, FRMPayload: 0394, MIC: 4231b956) |
| 0:16:41.433611 | LOG | Server <-------------------- DUT |
| 0:16:41.433611 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a729, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 37c8b424) |
| 0:16:41.433611 | LOG | PULL\_RESP: Protocol version = 02, Token = 7bf9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1179459966, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AKafgnwU2Ee4A51SJP0ujvg/GxIt+Ft9Sm3CiHRzFDXgA8PYCKZ4U/yW2OlrbusLWTRaAgqzXIskQrvHr4cdTYMFQWDDJuMIjBmODyF4AhZHubPHVZoCmyyiLQATdTxZro2ZK46b/qHIWmW4NPe6FT9h1Wqpfn5S1OBuzZ+hE9rH47YXVAdIcia4gMikIT2v2wN44B3fYerUyyhukTHKtr8FIkhG4U/OCNwAs3rZHAVp2ZdUcL5bhN7hwnRmqU1x7SMgJe4KDzWTUgDfTS94NGwaAjn+ugvXbAyBJHzuO5dazdiKlmrc1ho3I1C9xejkCnGrF6Z03yLQk'}} |
| 0:16:41.433611 | LOG | Server --------------------> DUT |
| 0:16:41.433611 | LOG | TX\_ACK: 02 7bf9 05 aa555a0000240409 |
| 0:16:46.276969 | LOG | PUSH\_ACK: 02 15be 01 |
| 0:16:46.276969 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15be, Identifier = 00, JSON = {'rxpk': [{'tmst': 1182302500, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AJgTgML/nfZNK'}]} |
| 0:16:46.276969 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0426, FOpts: ), FPort: e0, FRMPayload: 0395, MIC: e77d934a) |
| 0:16:46.276969 | LOG | Server <-------------------- DUT |
| 0:16:46.276969 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a72a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b93d3a36) |
| 0:16:46.276969 | LOG | PULL\_RESP: Protocol version = 02, Token = 649a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1184302500, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AKqfgUx40jLnQohXU6isF82TA7bnHpquUL3EmeNmsMYGD1YahuKAgGKr6nkMoc3xI4gtzAJki1GpKNEyZZbbmXWYpg/HgSE8ktaOh2h1K9xLGNGfnNGeXXgY+Un0XVN2i9c5f/pBiNx4EivgCcxDYZMsHERDYK15ca6u2UC0h0+1l7zKAI0f5JWFj7eDPX+mAK7mDCmscec341+9GMMYFGpypQCeJl4QDxfG3Gk6A/iq11Kn7Ag9RtrR3GhRVVnAKwMJafH+eiibLYAOeSqWq8+53DyZIm86fU+i82L4ax3f8tPbFjfGBaobnWs3ATbEZcR4A9hO5PTo2'}} |
| 0:16:46.276969 | LOG | Server --------------------> DUT |
| 0:16:46.276969 | LOG | TX\_ACK: 02 649a 05 aa555a0000240409 |
| 0:16:49.562135 | LOG | PULL\_DATA: 02 b638 02 aa555a0000240409 |
| 0:16:49.562135 | LOG | PULL\_ACK: 02 b638 04 |
| 0:16:51.175562 | LOG | PUSH\_ACK: 02 15bf 01 |
| 0:16:51.175562 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15bf, Identifier = 00, JSON = {'rxpk': [{'tmst': 1187145157, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AJwTgPoDr40K2'}]} |
| 0:16:51.175562 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0427, FOpts: ), FPort: e0, FRMPayload: 0396, MIC: ebe342b6) |
| 0:16:51.175562 | LOG | Server <-------------------- DUT |
| 0:16:51.175562 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a72b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 80c77034) |
| 0:16:51.175562 | LOG | PULL\_RESP: Protocol version = 02, Token = c735, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1189145157, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AK6fg6oFd0oOz27svRKREJcCWYJnY6SxZfcbfiro5q1m9CaLJa22iJjExRzdLt3ijKxbrOJ4HFQou0hTjZlq3oqFTqE8sE5RyXhkwFphlBJWS4+2cp9d5jhQPoM3p0UnkdibF8Fhf3kM1fh4/3BiLJhnCc+EHXn8aylQez8KcuSmddbndMAywv8+043vSRrXeN7MhtNXA00jkSSkOLJ3kHzVpDyNMgVNLxAlwvlsGzf2BxW/9Nna1tVlmUh6eaNiccnACNo45N1cIrc+KKylk307Z9A8V/Xkn9cN2rX5YNeLJw2XinXuEUeexgTf7Qfl1JXcSpf6Ax3A0'}} |
| 0:16:51.175562 | LOG | Server --------------------> DUT |
| 0:16:51.175562 | LOG | TX\_ACK: 02 c735 05 aa555a0000240409 |
| 0:16:56.010696 | LOG | PUSH\_ACK: 02 15c0 01 |
| 0:16:56.010696 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15c0, Identifier = 00, JSON = {'rxpk': [{'tmst': 1191987939, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AKATgwcAczGen'}]} |
| 0:16:56.010696 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0428, FOpts: ), FPort: e0, FRMPayload: 0397, MIC: 1ccc67a7) |
| 0:16:56.010696 | LOG | Server <-------------------- DUT |
| 0:16:56.010696 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a72c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7cf9f17a) |
| 0:16:56.010696 | LOG | PULL\_RESP: Protocol version = 02, Token = 0172, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1193987939, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ALKfg6B6BH5m//dldg4EJJ1AGchjp8FfZTyyiHKBFPSrG+nYp6VpTQD5mIKd3v1p+9w/0hK/lRk4G0kIobMRr6UggTOt4O0rnynUr0x6uZQQVM8zEfijWpTNIqtFXz5Kkh42cEzdrKfkyQZr218hcnRSC1R3hqIj/dH31J7G20GcpiowzB4N2oaq5hUX+gCcvoYeEuZrhV6GR6T6d7OhlOX5rhUuImHDLXa2ypBNzFTrqw1wnMB4EJtC6ByRB+lH3dzrLkDCzZ2EzXhoVU9zPbiXF4BIrieVFxCY6KX7pXEC7bMkYWcvffNOK0LoI6DUtlicdG2h8+fF6'}} |
| 0:16:56.010696 | LOG | Server --------------------> DUT |
| 0:16:56.010696 | LOG | TX\_ACK: 02 0172 05 aa555a0000240409 |
| 0:16:59.690002 | LOG | PULL\_DATA: 02 5640 02 aa555a0000240409 |
| 0:16:59.690002 | LOG | PULL\_ACK: 02 5640 04 |
| 0:17:00.860066 | LOG | PUSH\_ACK: 02 15c2 01 |
| 0:17:00.860066 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15c2, Identifier = 00, JSON = {'rxpk': [{'tmst': 1196830501, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AKQTgzJEK2D7t'}]} |
| 0:17:00.860066 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0429, FOpts: ), FPort: e0, FRMPayload: 0398, MIC: 0ad83eed) |
| 0:17:00.860066 | LOG | Server <-------------------- DUT |
| 0:17:00.860066 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a72d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9f741288) |
| 0:17:00.860066 | LOG | PULL\_RESP: Protocol version = 02, Token = a698, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1198830501, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ALafgY31bK7Z1QZHTv38+jLllarH9nYgNFWBy377TOCMDYM9C8khbQT1wR6/I/CDMIYQT4jt1ySfk1UxB37F79Sj2SsIqLeHtzgeolehPvX65t9JaclpuXeD2KBZJHVGNn4zgwqRViiQdY+69QKyhYB2YNyY73Th0pFcag4WA36/wKhkZCz8KoeD7KcxVNvvPUomqo1ChQBmwdgYYa+4cXXogZog84Xktq0ZUvd9qF5RXEEbxdsf8LzDhkn3Jw8cIepBHTRIshSxWDkmyccdQPWff7X0V274nUi5Gq01xMoiIeuhVxroJR8j8WvnWCenZbLNGblSfdBKI'}} |
| 0:17:00.860066 | LOG | Server --------------------> DUT |
| 0:17:00.860066 | LOG | TX\_ACK: 02 a698 05 aa555a0000240409 |
| 0:17:05.632826 | LOG | PUSH\_ACK: 02 15c3 01 |
| 0:17:05.632826 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15c3, Identifier = 00, JSON = {'rxpk': [{'tmst': 1201673110, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AKgTgwvskloFM'}]} |
| 0:17:05.632826 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 042a, FOpts: ), FPort: e0, FRMPayload: 0399, MIC: 2496814c) |
| 0:17:05.632826 | LOG | Server <-------------------- DUT |
| 0:17:05.632826 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a72e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: de69e93b) |
| 0:17:05.632826 | LOG | PULL\_RESP: Protocol version = 02, Token = 5df8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1203673110, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ALqfgnogMOg7OQOF9FYErVFQoFwCkvNTckcQyd/5Suw52AhT6qBW0Oh3y9cVV+6i8ppM/EU8soGbNb+42FU03RAz9kQFGToMvyTmCRdgvdcjmtiiH6MbY81QsjLTe3WvKDBEtItS47xCatJb2Hvak2sT2V00TQxPfGCNtyRgByOzhbzWkXUFXpaAY5Lvo3nekaUia+SP83bnRSKofejO/KeySi+76JHeLyyO67UPiMBNC3rH+gxBwHD/i9hVqmmqK4I7sAs9qP4dV4f90qwZWjC44L6INibpPw4lCp9Zw/YqGJ7P9YeAcXVkZP9gexsInqdEeWGHeaek7'}} |
| 0:17:05.632826 | LOG | Server --------------------> DUT |
| 0:17:05.632826 | LOG | TX\_ACK: 02 5df8 05 aa555a0000240409 |
| 0:17:09.741360 | LOG | PULL\_DATA: 02 2441 02 aa555a0000240409 |
| 0:17:09.741360 | LOG | PULL\_ACK: 02 2441 04 |
| 0:17:10.479812 | LOG | PUSH\_ACK: 02 15c4 01 |
| 0:17:10.482072 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15c4, Identifier = 00, JSON = {'rxpk': [{'tmst': 1206515694, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AKwTgGDLmhI9O'}]} |
| 0:17:10.482072 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 042b, FOpts: ), FPort: e0, FRMPayload: 039a, MIC: e6848f4e) |
| 0:17:10.482072 | LOG | Server <-------------------- DUT |
| 0:17:10.482072 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a72f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f78cb0d0) |
| 0:17:10.482072 | LOG | PULL\_RESP: Protocol version = 02, Token = a9d6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1208515694, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AL6fg1L+57x0gVtoh4oHhsIoRBPa4HVOu0HQeQHltWbgWHrIBG1sI2mh89yK+FF9QGX4MQjcj83UHgUWpLk811FhYsgvP2jDwRzke8SLiZ84hiaDJbtLRuXPl60h92fqyXM7kpknRzUjav3psCts2TrQYaoCEIi0aGnqp12k1r1TI4libgXRwajTIUNsZtgZ6Av2tt+q7zMr2f7/RT+jdI9tmzxuWA+2lpGKCfWNYAPpQaMIoFjDVBQ1zzQAvCrtvh5uUR/9Bb+ohoh47qJWWmthrN8s1/PrtCyQWSu/ioGsL90zcL5Wmk/KD3+8SP9/nFBr8zSX3jLDQ'}} |
| 0:17:10.482072 | LOG | Server --------------------> DUT |
| 0:17:10.482072 | LOG | TX\_ACK: 02 a9d6 05 aa555a0000240409 |
| 0:17:15.370311 | LOG | PUSH\_ACK: 02 15c5 01 |
| 0:17:15.372394 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15c5, Identifier = 00, JSON = {'rxpk': [{'tmst': 1211398773, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ALATgL5MCBVBQ'}]} |
| 0:17:15.372394 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 042c, FOpts: ), FPort: e0, FRMPayload: 039b, MIC: 02055050) |
| 0:17:15.372394 | LOG | Server <-------------------- DUT |
| 0:17:15.372394 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a730, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 87683f56) |
| 0:17:15.372394 | LOG | PULL\_RESP: Protocol version = 02, Token = 7da8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1213398773, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AMKfgP/VDTV/p/v/LtNbq88KRUrZRtZ59tfdvAbnBtcPR/o3C4AgwXWqyOGGBDUAt+w2QjBz6krcw1LBjASerXqyqKYWdwKQmtfk0SyM01i+H43gDoOLf+0isy3Xnwv/hEwbJHmQHuk7vAaiQgIntmV8/wFqHyiNjZua7CFA6166Gjwo4jRF4u5NUsX9FAo0RjMmdOVQmJyK2NrhP710ttIOgam6hZhMeIfIg8FN1OHkHDa50YzOcECvyHOcULbtmaeV3bfN+ZNrTcDf85mfyJ67GtWyLIn4KG5IuMfGzojHBbGp4VY+RcuXzAEMuJYHoeiM9mOGHaD9W'}} |
| 0:17:15.372394 | LOG | Server --------------------> DUT |
| 0:17:15.372394 | LOG | TX\_ACK: 02 7da8 05 aa555a0000240409 |
| 0:17:19.889417 | LOG | PULL\_DATA: 02 7d40 02 aa555a0000240409 |
| 0:17:19.889417 | LOG | PULL\_ACK: 02 7d40 04 |
| 0:17:20.279453 | LOG | PUSH\_ACK: 02 15c6 01 |
| 0:17:20.279453 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15c6, Identifier = 00, JSON = {'rxpk': [{'tmst': 1216241436, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ALQTg/9i5sUSQ'}]} |
| 0:17:20.279453 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 042d, FOpts: ), FPort: e0, FRMPayload: 039c, MIC: b9b14490) |
| 0:17:20.279453 | LOG | Server <-------------------- DUT |
| 0:17:20.279453 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a731, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d843e1a5) |
| 0:17:20.279453 | LOG | PULL\_RESP: Protocol version = 02, Token = 7dc6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1218241436, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AMafgyD6bOng6c01GKvNNoUZ2VBSP0gMd8azAI+1jjAfe4xA0izgdA90LZ7LThwUjJCtaBC7ND0I0oSFoYvG1+rvKEjaJErsCWAfkteJ6EPx1Xj0ACnTnb3aRmtck9IAhbWRSNf7Glz3dFbmQd4RYcfKxa6YyWZW6Xs7f4K+nV1R5DWUfyMmdTD/+2+orfLe7uB2J4CuDUPKgmhrUXvz4dk1x1EMIMwEh6ky/E/jVPuGWvo4TG+NU2QocEBJcBpXQCCBZL4TWUYQnSRfBdzaDKUdf7vLvmf0Br8OTY6BRNBAbDRBdHfh7sWaiekahk8PIjbvPf7PYQ+Gl'}} |
| 0:17:20.279453 | LOG | Server --------------------> DUT |
| 0:17:20.279453 | LOG | TX\_ACK: 02 7dc6 05 aa555a0000240409 |
| 0:17:25.050303 | LOG | PUSH\_ACK: 02 15c7 01 |
| 0:17:25.052323 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15c7, Identifier = 00, JSON = {'rxpk': [{'tmst': 1221084020, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ALgTgX9LICjhQ'}]} |
| 0:17:25.052323 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 042e, FOpts: ), FPort: e0, FRMPayload: 039d, MIC: c80a3850) |
| 0:17:25.052323 | LOG | Server <-------------------- DUT |
| 0:17:25.052323 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a732, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 19b93dac) |
| 0:17:25.052323 | LOG | PULL\_RESP: Protocol version = 02, Token = 9ee7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1223084020, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AMqfgJEnpptCF5AfvhfBIq+tedwv1UltVdlOGpOVRYn2PObqfeTM+C6ls7je24rPuvWMFz8a+ZtBcRzd5ATDlQChaULKVKYaCAF5v/SfXVMy4nMRcQgu5/9NYgxtE5sEYm0TliOr3YEm1do5a7FQ9nyytBcJHbnGf5qJlrcHuIoYITJqnSfmOWytsbqcbhvtxfH7x9GalkzHXHSMKO2MVKNVoQDY8hxNmm6wjY3DaeHNHNu5pkard0z7d0HbqdTPXgyxp8A2ghtnUomPh3MmdudOD237ovI1jH/I6Ezd76lye2gmZM5o5jZANI6UZFhlRJo2uCRgZuT2s'}} |
| 0:17:25.052323 | LOG | Server --------------------> DUT |
| 0:17:25.052323 | LOG | TX\_ACK: 02 9ee7 05 aa555a0000240409 |
| 0:17:29.924163 | LOG | PUSH\_ACK: 02 15c9 01 |
| 0:17:29.926222 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15c9, Identifier = 00, JSON = {'rxpk': [{'tmst': 1225926612, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ALwTguZ6qlbQ6'}]} |
| 0:17:29.926222 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 042f, FOpts: ), FPort: e0, FRMPayload: 039e, MIC: aa95b43a) |
| 0:17:29.926222 | LOG | Server <-------------------- DUT |
| 0:17:29.926222 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a733, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f806e427) |
| 0:17:29.926222 | LOG | PULL\_RESP: Protocol version = 02, Token = b16a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1227926612, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AM6fg25TgkvyHoQ2tIMkamXUtR0vzUbHjJnhOiJzGtponeSRxrUPx2/lNPTAITQ6vCRlvDqcCveBkzco62R2vULPlUt1m9IfXoHgUOvlbZqPk90+LbHpaGD38Tp3l19BJmQVq64wT3b7KKbVRlojyNfnlEipvoC1rGCaNDetDSEVuCnWkPVSOm4RZCcxL5xHLj33RxcKVWJus6kM2Y8iMMsEirGQhnWKgjoxi4dDtvx8jZBwnlGF10tZFXv0/eLgrocI1OMikCA91JETaeHZVWm9Hrx/vPLTx8mvfeneA3y4DfDkLkZMEyUBQ3OVGTj+9eSEcW+f4BuQn'}} |
| 0:17:29.926222 | LOG | Server --------------------> DUT |
| 0:17:29.926222 | LOG | TX\_ACK: 02 b16a 05 aa555a0000240409 |
| 0:17:29.934284 | LOG | PULL\_DATA: 02 0731 02 aa555a0000240409 |
| 0:17:29.934284 | LOG | PULL\_ACK: 02 0731 04 |
| 0:17:34.794991 | LOG | PUSH\_ACK: 02 15ca 01 |
| 0:17:34.794991 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15ca, Identifier = 00, JSON = {'rxpk': [{'tmst': 1230769173, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AMATgPfAYMb5O'}]} |
| 0:17:34.794991 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0430, FOpts: ), FPort: e0, FRMPayload: 039f, MIC: 1831be4e) |
| 0:17:34.794991 | LOG | Server <-------------------- DUT |
| 0:17:34.794991 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a734, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 6bc1ab8d) |
| 0:17:34.794991 | LOG | PULL\_RESP: Protocol version = 02, Token = 0105, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1232769173, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ANKfgMEdUW8fxLOiAqanFsrhq9dtmXJSrYPVPUHnmsb3xPHlKKSuGqxQ+v6t6qKYZu52f89WYECR8XFbFmpHNotePfnLDdjFpWwEame1A5bZkLXR9sidn8w00+STnt1ZGYMC+dJA4KqLz+ETVOsxnVvDdebmNzBPmTO/efY38KEc/Tdr1080rY9qJQjGH86zuv2nQKb0VrnBYgmxLFZWdDAhqL3Zm3tkuaIOr+uEBOgjnKZmIVJ0ZcjYECloApkQB/ghsI6hz31yXniL/A8XIYf4P5NVjk3UZ6qiSzJUrw/17CTb2NqwiNkz1sU8ElVSnVlZC2dxrwauN'}} |
| 0:17:34.794991 | LOG | Server --------------------> DUT |
| 0:17:34.794991 | LOG | TX\_ACK: 02 0105 05 aa555a0000240409 |
| 0:17:39.591970 | LOG | PUSH\_ACK: 02 15cb 01 |
| 0:17:39.594019 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15cb, Identifier = 00, JSON = {'rxpk': [{'tmst': 1235611741, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AMQTgMCFpstTI'}]} |
| 0:17:39.594019 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0431, FOpts: ), FPort: e0, FRMPayload: 03a0, MIC: 69b2d4c8) |
| 0:17:39.594019 | LOG | Server <-------------------- DUT |
| 0:17:39.594019 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a735, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: dbb70b60) |
| 0:17:39.594019 | LOG | PULL\_RESP: Protocol version = 02, Token = a1b7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1237611741, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ANafgOSPzAs3fjZHbpwNMkHCie9xCPHOmGdYBBPIl2tJKTHkHCeo+irwX+FowEEoLP1kwJMMwDQlarO7sKY2Z6PW9hJw1VQCpVbr02QEQWmu0VFFPEf86BeDDpIaW7s6eedX6+2LLgzLjoOOVN6GodSD99ARyqDDqeriUF+4e9TLS5TiKmIx9uhWiukRl4x9cocSFQStCkaiPRYFnceVtk8ra6vUedyayjRBIJAuyfCl+3xwjakqSO5SYe+M5MM6Tlg44y1up83egpfmbA8YdeAS/AXggoH/cpDFuihBtvbgcfrH/AIqEgEHjblMT1vsquCby3C/btwtg'}} |
| 0:17:39.594019 | LOG | Server --------------------> DUT |
| 0:17:39.594019 | LOG | TX\_ACK: 02 a1b7 05 aa555a0000240409 |
| 0:17:40.022064 | LOG | PULL\_DATA: 02 232e 02 aa555a0000240409 |
| 0:17:40.022064 | LOG | PULL\_ACK: 02 232e 04 |
| 0:17:44.436298 | LOG | PUSH\_ACK: 02 15cc 01 |
| 0:17:44.438358 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15cc, Identifier = 00, JSON = {'rxpk': [{'tmst': 1240454494, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AMgTgbpn5x/Eq'}]} |
| 0:17:44.438358 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0432, FOpts: ), FPort: e0, FRMPayload: 03a1, MIC: f9c7f12a) |
| 0:17:44.438358 | LOG | Server <-------------------- DUT |
| 0:17:44.438358 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a736, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 6221281f) |
| 0:17:44.438358 | LOG | PULL\_RESP: Protocol version = 02, Token = b340, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1242454494, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ANqfghIRir6mMslTZXfX4g1sN5qMJcdQhl24IpIpRqk+AqyzheTWvUFBGnk7riGuSbo4wX4EyhmIEYjaGhHrwQE/Hqf7TtyoRiB2byaF9yupnTLDuFSG0muB5QCE0imTzyGB02E4eNej1rw/Ya0CfNRlD5R/Ds2D0tPZPR6HYp0k4UwKFMOcuWiCA35fvVBLVnuxC5upZlb5fWLjI6xlebvoJqP8/Yi6W1FheX89/2QraA4b9tiZEFs/uyz2ZZnOdfJOfFZ9AbcQE96u1C7OiCPJL4f3KYsAYbxtEM/eJDNL4hO0meZH0+tV9jz/SXT9VvUS2DS9iISgf'}} |
| 0:17:44.438358 | LOG | Server --------------------> DUT |
| 0:17:44.438358 | LOG | TX\_ACK: 02 b340 05 aa555a0000240409 |
| 0:17:49.287701 | LOG | PUSH\_ACK: 02 15cd 01 |
| 0:17:49.287701 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15cd, Identifier = 00, JSON = {'rxpk': [{'tmst': 1245297125, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AMwTgJu8BoJsR'}]} |
| 0:17:49.287701 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0433, FOpts: ), FPort: e0, FRMPayload: 03a2, MIC: 01a09b11) |
| 0:17:49.287701 | LOG | Server <-------------------- DUT |
| 0:17:49.287701 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a737, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 22f596c4) |
| 0:17:49.287701 | LOG | PULL\_RESP: Protocol version = 02, Token = f7c8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1247297125, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AN6fgf+E9gHGg0v7T/PybBS52S40kw9Ndm/UqmHhSmW/1shYv7TaCrrEst7pVPGU4u5eOcyZPfUeV6PJ/CSuB4wx0str0/NNCxAQiey/wF/ZfTxuNNxub4TKkagPBnBzIg4x+avA6S6mIPsldFZwpJ2Wqgrkq1xxMiP/8YjMBWkHxPS2CfI3af21+KNvelYbf69Qiyx6fLyTmol2Q+qfkNgF+UOtU9fHtF4Z+RqZJ8LYNP8wu9w0T2e4aW0dj9tpV3ts8OnC6uchyizeWz5WG9aVp2EvH96ScMYUhvCgfOcU5H6sZaTV/BSuzTDeR/NE+5DQZFL0i9ZbE'}} |
| 0:17:49.287701 | LOG | Server --------------------> DUT |
| 0:17:49.287701 | LOG | TX\_ACK: 02 f7c8 05 aa555a0000240409 |
| 0:17:50.127738 | LOG | PULL\_DATA: 02 d72e 02 aa555a0000240409 |
| 0:17:50.127738 | LOG | PULL\_ACK: 02 d72e 04 |
| 0:17:54.222151 | LOG | PUSH\_ACK: 02 15ce 01 |
| 0:17:54.222151 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15ce, Identifier = 00, JSON = {'rxpk': [{'tmst': 1250180222, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ANATgAUB9X/jR'}]} |
| 0:17:54.222151 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0434, FOpts: ), FPort: e0, FRMPayload: 03a3, MIC: 7d5ff8d1) |
| 0:17:54.222151 | LOG | Server <-------------------- DUT |
| 0:17:54.222151 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a738, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1f2729f0) |
| 0:17:54.222151 | LOG | PULL\_RESP: Protocol version = 02, Token = dd48, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1252180222, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AOKfgnTjpzpMhm+EveA+s6ED4mMM/0mnUZtVtO+rcBxb6xx6rRFk0kHYM1latlz4GI/8/l0OPwn/N/SR8aP+y846Ifv8CLFP8j/SeLswBzKAkXPl04475Bzv8oSz6inwpBDTgXaieRzjxXF0c9st27aTMYeim8qgw/CzbvOK9K1eUi811x+laWYRCJg5WUrrQwAfMyM3I02i5sKq550j0FeTzDjvsg0lxisZamENmZLUY8sdjJ3jOWeS/WVsXbctt5ma5h/P59+gP86WU5h/Aqbytdp7mYglgB4mo0z49n4NvNB45pG79INwhr+PrFhcUuGocifEfJynw'}} |
| 0:17:54.222151 | LOG | Server --------------------> DUT |
| 0:17:54.222151 | LOG | TX\_ACK: 02 dd48 05 aa555a0000240409 |
| 0:17:59.029769 | LOG | PUSH\_ACK: 02 15d0 01 |
| 0:17:59.029769 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15d0, Identifier = 00, JSON = {'rxpk': [{'tmst': 1255022821, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ANQTgCn9xu9Bu'}]} |
| 0:17:59.029769 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0435, FOpts: ), FPort: e0, FRMPayload: 03a4, MIC: 71bbd06e) |
| 0:17:59.029769 | LOG | Server <-------------------- DUT |
| 0:17:59.029769 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a739, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 545fdd59) |
| 0:17:59.034294 | LOG | PULL\_RESP: Protocol version = 02, Token = b249, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1257022821, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AOafg02JUKY6rI7GuECRuu+NOSBaLVeUenOuoTLogbQoVe1y+m/yKgTmrvTzsqNovNYPYRw75YLs85wHpPK073nP9CTj6R8Ngv2YteDqV5ykU9B2MIxO/BH1x9egqPHyTc0hABZ85Mr2udqigoSaZL6hAKUFDvmQHbbqbgZjbv9NS/e2QQPgKzPmqnOLp0a4dTi+dqElvpR94XT2wglfPqk1Ske8lnLY0ZhTe/SbBuq1POhSAsdc0Y5ct1SZuHb3dcBa98GxugKnT6YMTuCKeo+tx0uB4pG9sJ9q6nvexJQJxw2xMgQK5vNDDjT8G2qSk/xfg8E1UX91Z'}} |
| 0:17:59.034294 | LOG | Server --------------------> DUT |
| 0:17:59.034294 | LOG | TX\_ACK: 02 b249 05 aa555a0000240409 |
| 0:18:00.269181 | LOG | PULL\_DATA: 02 228f 02 aa555a0000240409 |
| 0:18:00.269181 | LOG | PULL\_ACK: 02 228f 04 |
| 0:18:03.820367 | LOG | PUSH\_ACK: 02 15d1 01 |
| 0:18:03.820367 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15d1, Identifier = 00, JSON = {'rxpk': [{'tmst': 1259865429, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ANgTgUKaQX9w0'}]} |
| 0:18:03.820367 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0436, FOpts: ), FPort: e0, FRMPayload: 03a5, MIC: 905fdc34) |
| 0:18:03.820367 | LOG | Server <-------------------- DUT |
| 0:18:03.820367 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a73a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7147b40a) |
| 0:18:03.820367 | LOG | PULL\_RESP: Protocol version = 02, Token = 3e17, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1261865429, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AOqfgG3VnpZIPBERnkYP4c4SfvquVGMQzMEPQYBlzOC8HCGv5FXyfZpu2Drcq4Kn7TicHs/qv5x1IoPQJDhBbKa6LGKMiWMoEEr2C4TT1wm9QPcl0i6B3J+rYlsQbqLvXYQwZA1crir6caBKViLJaFyExAGq+obHLJl/9n8u9Zmbm+rCjQ/LKPFNu9xfPBVKnOUE/eEHd6x0nx0tr3MbqRv0LBlggOsRSCzU2OgTw9f+cMq+m7GNGkrt/fEs/qF7JzsDDIjKFvwtDrhtkhpfUSF0tQZ5aYpNfCpsw0SXvK/aL+7aYAI0bPglUWxIPQoJBrzq0CpBxR7QK'}} |
| 0:18:03.820367 | LOG | Server --------------------> DUT |
| 0:18:03.820367 | LOG | TX\_ACK: 02 3e17 05 aa555a0000240409 |
| 0:18:08.680442 | LOG | PUSH\_ACK: 02 15d2 01 |
| 0:18:08.682530 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15d2, Identifier = 00, JSON = {'rxpk': [{'tmst': 1264708021, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ANwTgkfc+OC8k'}]} |
| 0:18:08.682530 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0437, FOpts: ), FPort: e0, FRMPayload: 03a6, MIC: 3e382f24) |
| 0:18:08.682530 | LOG | Server <-------------------- DUT |
| 0:18:08.682530 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a73b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 356bf101) |
| 0:18:08.682530 | LOG | PULL\_RESP: Protocol version = 02, Token = 7aa0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1266708021, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AO6fgTJUK2ktxogSYqus98lqR7xdRfYkhbZHDweTXXKwql7IrbJAgEeadvq3ZkCRvAWjSAWQLRDJbzCAVKYq6zwjSkVcX9oA3otTnfAqeNrr9axK+jNn+geu57aAd/hiGLPjlGIJyjOsftgfyL9pfvIi7jDf+2ebS115LaSPpGrW2X5RjEWcgCj8Qo6Tj2vbYAQjBQm6wvyBCGGsRC+T47Imrcuq4N3HElfBJNHXIRtErs30TcwQ4XPcb1EOcP9dAiL4vv5p7ER6t9hwTpAVRqaGw9lTcJJGgvYb90Wpm0E8fTHqwYhFLcVpJroMaPfnLlMc3KtY1a/EB'}} |
| 0:18:08.682530 | LOG | Server --------------------> DUT |
| 0:18:08.682530 | LOG | TX\_ACK: 02 7aa0 05 aa555a0000240409 |
| 0:18:10.328855 | LOG | PULL\_DATA: 02 d8fe 02 aa555a0000240409 |
| 0:18:10.328855 | LOG | PULL\_ACK: 02 d8fe 04 |
| 0:18:13.539278 | LOG | PUSH\_ACK: 02 15d3 01 |
| 0:18:13.539278 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15d3, Identifier = 00, JSON = {'rxpk': [{'tmst': 1269550610, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AOATg9Gj6OyA0'}]} |
| 0:18:13.539278 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0438, FOpts: ), FPort: e0, FRMPayload: 03a7, MIC: fa3b2034) |
| 0:18:13.539278 | LOG | Server <-------------------- DUT |
| 0:18:13.539278 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a73c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 6e14f4d3) |
| 0:18:13.539278 | LOG | PULL\_RESP: Protocol version = 02, Token = 982c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1271550610, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4APKfgk6qkKH33R2545q7NjAl9G4kAJFXLqVe2Tmc4c3S0pRXFbe0QFEReef8q/E0qzaenZ9N1uMEVOSaJKOHs+eUUh0lOvLlk7VzbQN3l+bnMY7N1n/T5DnQak4ZLRuKCTH9vxApnozPUaUc4ZqInvEJsmHEzq4O5dqnXzP2BAsUxoRlofBnD3e5YoJvzn+ZawSbhAiLx2XXHNdbZYnXPIEfW+Kyc8lh1pud9/qQVEW1QB/V6bg2hYAMPqpR7q6P/PTk4a09imYJNA4cze9ZwvJIsf7yW3uuwntuwwGnHX1X3xxKDn/HT71OWuit8y1Jw3RpfEpVuFPTT'}} |
| 0:18:13.539278 | LOG | Server --------------------> DUT |
| 0:18:13.539278 | LOG | TX\_ACK: 02 982c 05 aa555a0000240409 |
| 0:18:18.425894 | LOG | PUSH\_ACK: 02 15d4 01 |
| 0:18:18.425894 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15d4, Identifier = 00, JSON = {'rxpk': [{'tmst': 1274393274, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AOQTgJ7kVAkG0'}]} |
| 0:18:18.425894 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0439, FOpts: ), FPort: e0, FRMPayload: 03a8, MIC: 150241b4) |
| 0:18:18.425894 | LOG | Server <-------------------- DUT |
| 0:18:18.425894 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a73d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 98f682de) |
| 0:18:18.425894 | LOG | PULL\_RESP: Protocol version = 02, Token = 5a5e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1276393274, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4APafg6bDymKXGSFjwXVUSEK3mS/sDxHKQxuuWA2BeAwiyz3R2NqoxGNbXDH6SgMVyd3rBnzgYYlz9LHtCCVbxPn1aqyj1Z5Mw0bhPAgwARGqTrRHowO3GwbDTy8fgCYEwGrs0AFKQuHdyOcyG6tXOLCrY5SN/942rC3hxo/dwGMMtFMdqOPIDdQfLM7e8eu/98HMLoAaZBJSqXDwsx0vhdG+Yw6qLuasSDWd1kHF5owTmH40nvB0mgA21z4UtgQd+uGj9fDLDLGgHCUfTmjcpybBkQSZyIfDHa+R82J1K29eEs8Xg6Q+oPFgxp44R32yI+7D44CGY9oLe'}} |
| 0:18:18.425894 | LOG | Server --------------------> DUT |
| 0:18:18.425894 | LOG | TX\_ACK: 02 5a5e 05 aa555a0000240409 |
| 0:18:20.496691 | LOG | PULL\_DATA: 02 7977 02 aa555a0000240409 |
| 0:18:20.496691 | LOG | PULL\_ACK: 02 7977 04 |
| 0:18:23.212517 | LOG | PUSH\_ACK: 02 15d5 01 |
| 0:18:23.212517 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15d5, Identifier = 00, JSON = {'rxpk': [{'tmst': 1279235883, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AOgTgR/dYXhZ/'}]} |
| 0:18:23.215407 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 043a, FOpts: ), FPort: e0, FRMPayload: 03a9, MIC: 585e167f) |
| 0:18:23.215407 | LOG | Server <-------------------- DUT |
| 0:18:23.215407 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a73e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 51bd4c69) |
| 0:18:23.215407 | LOG | PULL\_RESP: Protocol version = 02, Token = e976, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1281235883, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4APqfgZpkOx7vEYl5MHaKiUyY/UAtAPm9VF+gfFoYVQLytXrbvWnCVWtrBXsuGuJR1AwS2XqoylpRJI7aVqNquUs+ZSNqBJWF61sGrJpJq4Z92g+lHB+w0fF/lhtVfDsZrlzYrB5UKhUuaF9Atpfy+mB3+feJh6cVuw08D2pmGXGVHuaQ66NbhlJP4LWfKGvzgfDPcpQZTjQZZooKKaWYeX6C/ZshPviG5dotUSoKjAOmOlto8KGcABHbjup52EMcho1+8kLST2wxBlgWejE3yNvXcUIA/LPmbDqjVQyQCe+COLa2xZsVVQkhFXv2sVV1nkU50SHlRvUxp'}} |
| 0:18:23.215407 | LOG | Server --------------------> DUT |
| 0:18:23.215407 | LOG | TX\_ACK: 02 e976 05 aa555a0000240409 |
| 0:18:28.061523 | LOG | PUSH\_ACK: 02 15d7 01 |
| 0:18:28.063551 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15d7, Identifier = 00, JSON = {'rxpk': [{'tmst': 1284078691, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AOwTgjv+jkN0V'}]} |
| 0:18:28.063551 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 043b, FOpts: ), FPort: e0, FRMPayload: 03aa, MIC: a390dd15) |
| 0:18:28.063551 | LOG | Server <-------------------- DUT |
| 0:18:28.063551 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a73f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 21cc8b2b) |
| 0:18:28.063551 | LOG | PULL\_RESP: Protocol version = 02, Token = 42cc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1286078691, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AP6fgKioMSgYimke/DJyViurg3QHc/bDu/geIFUGOkCiK+Kn5yWZqA2lzo+1Qm0CUiDEB5qlBQZHDqfoVYIgb5vgUwJT35cJJvM5JBQSiusen6TC52E0NgJ8E9m1enTV42YZ052D0FMvsGlf5oUpaKFitxOUJAFUblqPiglCpi/wfZ3btQ5cZ3Y2M7+CPgIkrHtYeEGPIVGNfMuxTqFrJBFCE+RKjg3KV56NUhu7nAP1Pfdb0OgPw7lA/FMaWsLi5ugcx2IfBP1HV/DTOsDoFqZ9BVkZAPiW+dHL2tF0pxneNbkvBO04dr0cLYQsrd4r/XtWBMNwhzIsr'}} |
| 0:18:28.063551 | LOG | Server --------------------> DUT |
| 0:18:28.063551 | LOG | TX\_ACK: 02 42cc 05 aa555a0000240409 |
| 0:18:30.531575 | LOG | PULL\_DATA: 02 9d79 02 aa555a0000240409 |
| 0:18:30.531575 | LOG | PULL\_ACK: 02 9d79 04 |
| 0:18:37.825380 | LOG | PUSH\_ACK: 02 15d8 01 |
| 0:18:37.825380 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15d8, Identifier = 00, JSON = {'rxpk': [{'tmst': 1293804412, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6APQTgRDmVrO6Y'}]} |
| 0:18:37.825380 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 043d, FOpts: ), FPort: e0, FRMPayload: 03ab, MIC: 95acee98) |
| 0:18:37.825380 | LOG | Server <-------------------- DUT |
| 0:18:37.825380 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a740, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b4c7c933) |
| 0:18:37.825380 | LOG | PULL\_RESP: Protocol version = 02, Token = 70f7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1295804412, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AQKfgqiLSWPnATlomwiHIVPJwhOAHF1cIzEyGEBVzIb/p+yCaMpTL2Rzj3HkYLAYcSdCUBbYUupakOSDwrA30B3Vgy0f1C+6CJu2VIa1+2zAh7UQsjeTd8ZXfBwhjuIkpUmCPUKnqaQ1JuP9ujN2jas1nKgr/Slzo3mufr/+o9Ll7tDBsVcgXiM1aDKYlARoETKSsueQZU0PChqyuh8ekTMcEWZR2UvIGUoHluvRc9/zTyzcMctN0LWDsTgE1U05lshwhX8rcBHQzzpCaYKDOkB4W4q3LG1qDJH/EAg2QjNtWRftt7JLvV4PNOp5OqWisNM/Sc7i0x8kz'}} |
| 0:18:37.825380 | LOG | Server --------------------> DUT |
| 0:18:37.825380 | LOG | TX\_ACK: 02 70f7 05 aa555a0000240409 |
| 0:18:40.715206 | LOG | PULL\_DATA: 02 eea0 02 aa555a0000240409 |
| 0:18:40.715206 | LOG | PULL\_ACK: 02 eea0 04 |
| 0:18:42.635594 | LOG | PUSH\_ACK: 02 15d9 01 |
| 0:18:42.635594 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15d9, Identifier = 00, JSON = {'rxpk': [{'tmst': 1298647035, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6APgTgNjONVx5a'}]} |
| 0:18:42.635594 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 043e, FOpts: ), FPort: e0, FRMPayload: 03ac, MIC: 8d571e5a) |
| 0:18:42.635594 | LOG | Server <-------------------- DUT |
| 0:18:42.635594 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a741, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0881ae96) |
| 0:18:42.635594 | LOG | PULL\_RESP: Protocol version = 02, Token = d73b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1300647035, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AQafggv8RV21+FsozUREIddJJmaYTV6bvM3MzK3YJUtfvx/pR1X9LN8WqvFohdl/PysD40N61qIoMxSUOU9bXxCrOYCQ94Dv7EEap75crc6OUsI2eWN+cBlR7i4NN5CB92q5yb7u3IHbIchDS+ixbK0Ji0fiCn6kt0mwTIi9GoBhABL8g1oHryoi/uUa4B2Eh+NV+UO5Q0GB4wpsEpk5M7enXch7X5JW8EhgWEnLrIRQ6sGWoKaDGNN5ABEn35krY1Wxu+tsi5jPa7oQpAumRxOMIw5rVeJzcxrLf2vM1G1BcvChgaCVQo5Min7Gsgb9XPtpRaGMIga6W'}} |
| 0:18:42.635594 | LOG | Server --------------------> DUT |
| 0:18:42.635594 | LOG | TX\_ACK: 02 d73b 05 aa555a0000240409 |
| 0:18:47.505998 | LOG | PUSH\_ACK: 02 15da 01 |
| 0:18:47.505998 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15da, Identifier = 00, JSON = {'rxpk': [{'tmst': 1303489666, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6APwTgn5k0+Tf2'}]} |
| 0:18:47.505998 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 043f, FOpts: ), FPort: e0, FRMPayload: 03ad, MIC: 34f937f6) |
| 0:18:47.505998 | LOG | Server <-------------------- DUT |
| 0:18:47.505998 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a742, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4cc68bd0) |
| 0:18:47.505998 | LOG | PULL\_RESP: Protocol version = 02, Token = af47, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1305489666, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AQqfg79adgdv7fBKTWhjs40tQoSYpjmtMYBn4Qu9uEgaZ6ZlSbFoHP+GWf9Zl96BqCuWuEiQkLEW7M+TiIyrLwGxaH+7SaJh4s0jT2W7leTsQVaPn/rj9TMdDN+pNxnbvqKZslDYnhHiuG34vJ3KDGLIl/e4fVRfxtiY+pkBJGzovu+cuZQPmAC209hJXWvDrzPeAJQVUtCafFt5jEAg7LpHrPtiJ/YamGUTRJd9gRlIy3r9CSL54xxLO2cX91W8iBEhpxr1Bv+ejd6EK6boBoHW1nKPXX9RJKz1WlX4YIZLzGc8IZZhPdr2ptbxDAFhZTeOJ2BdMxovQ'}} |
| 0:18:47.505998 | LOG | Server --------------------> DUT |
| 0:18:47.505998 | LOG | TX\_ACK: 02 af47 05 aa555a0000240409 |
| 0:18:50.786694 | LOG | PULL\_DATA: 02 ca3e 02 aa555a0000240409 |
| 0:18:50.786694 | LOG | PULL\_ACK: 02 ca3e 04 |
| 0:18:52.346581 | LOG | PUSH\_ACK: 02 15db 01 |
| 0:18:52.346581 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15db, Identifier = 00, JSON = {'rxpk': [{'tmst': 1308332225, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AQATgLLbvG+D2'}]} |
| 0:18:52.346581 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0440, FOpts: ), FPort: e0, FRMPayload: 03ae, MIC: ef1be0f6) |
| 0:18:52.346581 | LOG | Server <-------------------- DUT |
| 0:18:52.346581 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a743, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1e8a0d7e) |
| 0:18:52.346581 | LOG | PULL\_RESP: Protocol version = 02, Token = e5fb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1310332225, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AQ6fgpPXn51qQc+lSOO6elbNKmHJ2QWouEgx1cL9qT6bJqRCDQspKLT5aGsVlDbtosV+xPxREdmn8YTM/8j9kvcQRh/c1KRmCh/nzgAz1YTPkpHLHSruzCqsj5HFh0nY+9jj3l/LGYi+JrQbaphTDwjH2kq8pX5KSGDENFdsLq5u1Mi+b6Hkb4RQ26DFtXz5Jloxf6b4VD0axe43NDQAxzL3/9Qap/iM/2NnxswcenWJq2emBAWPpmaiwh+x9o9zz77imq+4e8HzF/IDiPnWLSBZTt/mSiBRo3lFfxiB6MZfLsZMzGYC2KNWxeEjQpihm3U5cL4Eeig1+'}} |
| 0:18:52.346581 | LOG | Server --------------------> DUT |
| 0:18:52.346581 | LOG | TX\_ACK: 02 e5fb 05 aa555a0000240409 |
| 0:18:57.188086 | LOG | PUSH\_ACK: 02 15dc 01 |
| 0:18:57.188086 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15dc, Identifier = 00, JSON = {'rxpk': [{'tmst': 1313174872, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AQQTgBPFwGPm2'}]} |
| 0:18:57.188086 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0441, FOpts: ), FPort: e0, FRMPayload: 03af, MIC: 7018f9b6) |
| 0:18:57.188086 | LOG | Server <-------------------- DUT |
| 0:18:57.188086 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a744, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0b9504b0) |
| 0:18:57.188086 | LOG | PULL\_RESP: Protocol version = 02, Token = f162, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1315174872, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ARKfgPyPVrY1e8QuXaPtr8CP3q+T75Lni8v9MDwUi6W7y1hulcG9ZSVqO2OHpq6rl3XgVtfYRH3VzD/gGMJLc+vodElE8cGaEI1ziz9057rcr/dUFhXUF7f1b4ZLxh7B8WR2nhqKFp8uIHRyBMEvIwzmlErnZrFShmOXSIB50O3VP2nT2X6HHJIZRmvjuXK8KuSb+1NMkKa+3RjUuhTJ6VL/NasJLyYW5O2TiB+I5wTPX0MA8HyTAUT0aeQUv/uSaueldwFgjY2IieTyIsWPtr35dygcP1kjsHUDVjhVkaG+/NOrURlNZy5/dCqlU2R+C8gEzyTELlQSw'}} |
| 0:18:57.188086 | LOG | Server --------------------> DUT |
| 0:18:57.188086 | LOG | TX\_ACK: 02 f162 05 aa555a0000240409 |
| 0:19:00.888804 | LOG | PULL\_DATA: 02 f8b9 02 aa555a0000240409 |
| 0:19:00.888804 | LOG | PULL\_ACK: 02 f8b9 04 |
| 0:19:02.008702 | LOG | PUSH\_ACK: 02 15de 01 |
| 0:19:02.008702 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15de, Identifier = 00, JSON = {'rxpk': [{'tmst': 1318017496, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AQgTgZhR+dzMJ'}]} |
| 0:19:02.008702 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0442, FOpts: ), FPort: e0, FRMPayload: 03b0, MIC: 7e773309) |
| 0:19:02.008702 | LOG | Server <-------------------- DUT |
| 0:19:02.008702 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a745, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 12c7c53d) |
| 0:19:02.008702 | LOG | PULL\_RESP: Protocol version = 02, Token = 41b4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1320017496, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ARafguQ/nkcag43+Dpg7cBfoLcAvVs0IIX4Vv7uAatt4yubwWq4hSTLcHfWufJdVJfyrlqqampGg85WIVCY26PSMBy4O4oaR0LTtVDWr9/rn2ETSdsh3FV/oRDAqnRovyfVtTF9HPRwvAZg47p5I8vsDzLyRWE0H6vW6x3kiPy0DaOoAxuX4mKZcMaLn/oAGi8aDhXsf6kP/4cd+Olnx5t+AssqzzBLHWleqpyBSsVVrOvb7OsxQ0VWpe5gbKgWyq/XRCUGNYuaJ/lSxsdq7PFc4kv3cnGj7l+8rqkqtUexGMxEh1XvHkawwhFdZe/iSY/Ga2J/0Sx8U9'}} |
| 0:19:02.008702 | LOG | Server --------------------> DUT |
| 0:19:02.008702 | LOG | TX\_ACK: 02 41b4 05 aa555a0000240409 |
| 0:19:06.889457 | LOG | PUSH\_ACK: 02 15df 01 |
| 0:19:06.889457 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15df, Identifier = 00, JSON = {'rxpk': [{'tmst': 1322860112, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AQwTgH4nog3qT'}]} |
| 0:19:06.889457 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0443, FOpts: ), FPort: e0, FRMPayload: 03b1, MIC: e8837a93) |
| 0:19:06.889457 | LOG | Server <-------------------- DUT |
| 0:19:06.889457 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a746, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7b523a90) |
| 0:19:06.889457 | LOG | PULL\_RESP: Protocol version = 02, Token = d831, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1324860112, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ARqfgWAn59G8tVvwQIHrwDDNDoyO6TUO36rYIE4EpQJCrqOUyJpOFYvgFJWmU+NGMxWUF9BksSXi8ZOVtEcDSp6Xc+jaE8EuMVhx5WDe+nSBoVUmCCkAU77XkymPVUkt3PBIKqbDlCsnHKyNtJjA9Vv5lNPnmb4o8POOV28P0o9ppWeYe4dioWjWKTR3LF29OG1bBxM9a4zyUwBvC3jbLPU7rho3FqL2+qIUcxePx4+tz5sc5FVi3QqB2Q79llRcqb+wOQn3pMMDltDWGyBEk4wAPypD2qVXUH0X1XAAZuwt3xt3ZLtvZcujDTnBbYgKjA1kwigt7UjqQ'}} |
| 0:19:06.889457 | LOG | Server --------------------> DUT |
| 0:19:06.889457 | LOG | TX\_ACK: 02 d831 05 aa555a0000240409 |
| 0:19:11.003378 | LOG | PULL\_DATA: 02 1ea6 02 aa555a0000240409 |
| 0:19:11.003378 | LOG | PULL\_ACK: 02 1ea6 04 |
| 0:19:11.753473 | LOG | PUSH\_ACK: 02 15e0 01 |
| 0:19:11.753473 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15e0, Identifier = 00, JSON = {'rxpk': [{'tmst': 1327743385, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ARATgqUEpQjmR'}]} |
| 0:19:11.753473 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0444, FOpts: ), FPort: e0, FRMPayload: 03b2, MIC: 29423991) |
| 0:19:11.753473 | LOG | Server <-------------------- DUT |
| 0:19:11.753473 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a747, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: dadae2db) |
| 0:19:11.753473 | LOG | PULL\_RESP: Protocol version = 02, Token = 1de6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1329743385, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AR6fgm/Qh3klaeufqibcQUAsfSexeAfLjYV40Lwkhm7a8ZJ9E23ewmffbZtn8H9L7nSoHeU9aoq7InS79GUynhAYsvZ817ugzsguNOZNDrSK6OycQnPvSWyao2kotx9LMaCjpD/kZ4G2tSZcU/5FdazEFRjnAzrjx8OUyBzBFB0Ri/Bat6yZC3smvAedm+rpgOOzcpKCkzSXubMQEHmp89w71XQLRhx5mdEeqSqIZAMWXSbIjbjb5YOHXRziJvafyQhdpLdqi2kc9lEJ1Po15D/nwWPzio3EjqrncgRxst7SDUXPNRUuVUdOzV29UXlowAD2/oO3a2uLb'}} |
| 0:19:11.753473 | LOG | Server --------------------> DUT |
| 0:19:11.753473 | LOG | TX\_ACK: 02 1de6 05 aa555a0000240409 |
| 0:19:16.610721 | LOG | PUSH\_ACK: 02 15e1 01 |
| 0:19:16.612799 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15e1, Identifier = 00, JSON = {'rxpk': [{'tmst': 1332585976, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ARQTgPSsG0+Dd'}]} |
| 0:19:16.612799 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0445, FOpts: ), FPort: e0, FRMPayload: 03b3, MIC: 06d3e0dd) |
| 0:19:16.612799 | LOG | Server <-------------------- DUT |
| 0:19:16.612799 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a748, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3f180d34) |
| 0:19:16.612799 | LOG | PULL\_RESP: Protocol version = 02, Token = f681, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1334585976, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ASKfgberdNHLRw3bOav+kfZzHG8u8FOxemQT+8Xcnt3uLXyNEBHmNKUsE8VcOck6YHQcRAk7X6DIpeoNwtwSXf1NHVXg9eSueNFghCHvhp9zuGaD+GYZxBWRIsKHRiULldeXSa57xrF7f9t3jKHf2vqjhbQ+pES7GKG4+PoWh31VSfy58tGmnCzD+hVX4T/f2kSGDBpc2NALppwc99reXOo0NJeGR+LnjMR82ThMQ39kq5KnC3SDsted8lJS/eJrUp0u0yNMRQHSz92s0qk6eOL4wcIxzCXB/xenxhLR7eYUorfm6PDv5z+2dhexFQMZOiCI+K8s/GA00'}} |
| 0:19:16.612799 | LOG | Server --------------------> DUT |
| 0:19:16.612799 | LOG | TX\_ACK: 02 f681 05 aa555a0000240409 |
| 0:19:21.099447 | LOG | PULL\_DATA: 02 db00 02 aa555a0000240409 |
| 0:19:21.099447 | LOG | PULL\_ACK: 02 db00 04 |
| 0:19:21.469446 | LOG | PUSH\_ACK: 02 15e2 01 |
| 0:19:21.469446 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15e2, Identifier = 00, JSON = {'rxpk': [{'tmst': 1337428576, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ARgTglxVqryT0'}]} |
| 0:19:21.469446 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0446, FOpts: ), FPort: e0, FRMPayload: 03b4, MIC: 6aaf24f4) |
| 0:19:21.469446 | LOG | Server <-------------------- DUT |
| 0:19:21.469446 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a749, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 54c03010) |
| 0:19:21.469446 | LOG | PULL\_RESP: Protocol version = 02, Token = e466, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1339428576, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ASafgm8RkaJEHVbfd97OAHrOrTxgFzIADi3aOxatCuwpwOGFI+hoTWkxu+YHEPuQLJytC2SUEc3UwWexTYn6YSsLyokxZOikoHLzUdmmftuvf2FVR1wzZTp4FwuW8wNnKRL9hEJnRcB+wt6EGC62wfH5V6kkkC4HVqZlp5bAAPYKDrSCCgEcMHeTGHPf+YS3MKvmd6+Gtp1BKt16hzx6xSCYtkW1RdPWjkddCkHtiFql+lRSpoTmmTaQAIYAuqlka6szSrB34XDf8GpfNLSU0I+tYjQr465A45GYrQRCfsWB2DAtGmW6Yk06pSP30f2FCe30Jg6dUwDAQ'}} |
| 0:19:21.469446 | LOG | Server --------------------> DUT |
| 0:19:21.469446 | LOG | TX\_ACK: 02 e466 05 aa555a0000240409 |
| 0:19:26.235312 | LOG | PUSH\_ACK: 02 15e3 01 |
| 0:19:26.235312 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15e3, Identifier = 00, JSON = {'rxpk': [{'tmst': 1342271167, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ARwTgCNEwGD+3'}]} |
| 0:19:26.235312 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0447, FOpts: ), FPort: e0, FRMPayload: 03b5, MIC: 30183fb7) |
| 0:19:26.235312 | LOG | Server <-------------------- DUT |
| 0:19:26.235312 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a74a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ba09f1f7) |
| 0:19:26.235312 | LOG | PULL\_RESP: Protocol version = 02, Token = 11ed, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1344271167, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ASqfgu4Yorp+ph/tMX5LKMvbJj+ZLLvvfqXgdTL8kUbO54q0KKPp8dJ5BC6r5VhD3NxgrAR56XR4GgRufZqyj3ztj3MJ/CpWYfYtAbkI5vugOrL8Jd6/8frujBo2y1RcNN44ZPVvAffZBb41xmZ02+cCN4twfMm4i5JJ4w+kyU7EBnXKRGM7j8Okpv1fAY0uZYGb7NZrtxyEwW+aujSN28DF54OOVba056ROIPhcEVXSRNmSBBIqTC8ebQxSqbG08g6uB4xKjRgJ7aVIt2tjBkUkp/Aaj5nhjPxtYbimQld6jVKT80xEpw93wKNM9OXxifaT/cFq6CfH3'}} |
| 0:19:26.235312 | LOG | Server --------------------> DUT |
| 0:19:26.235312 | LOG | TX\_ACK: 02 11ed 05 aa555a0000240409 |
| 0:19:31.088873 | LOG | PUSH\_ACK: 02 15e5 01 |
| 0:19:31.088873 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15e5, Identifier = 00, JSON = {'rxpk': [{'tmst': 1347113736, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -48, 'size': 15, 'data': 'QO++rd6ASATggwMopNl3'}]} |
| 0:19:31.088873 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0448, FOpts: ), FPort: e0, FRMPayload: 03b6, MIC: 28a4d977) |
| 0:19:31.088873 | LOG | Server <-------------------- DUT |
| 0:19:31.088873 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a74b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c49635c0) |
| 0:19:31.088873 | LOG | PULL\_RESP: Protocol version = 02, Token = 1699, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1349113736, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AS6fggWOSGNRHRXN50w5Cua81goAOqTreZ42tVLEvn56GOXr/OKK61IvWGsotFlDW97faK421dA7xe233QN+ur/AqZSl3Tl7AzkZHXxzdqPNIkLzZWZML5iiFgC/cmXUw6BBLgmSLxbGoZH6kpXRHqLxzOezJLO4+cOAjXDCA91428nIXiW0uxXgIi3i9dMFRbAYe5cVHVQPCyTx4CeolcSVZmqT1sIn6kGILXNxLQKpimtpBlk2vvnBsoYzQXC0uUFO5RcvFoGRlupnOptHQZ90xIDB5T/fIkKzfTdLLbXvt2DFHZ90oPf3EhBQEXfj9K6gLIz7EljXA'}} |
| 0:19:31.088873 | LOG | Server --------------------> DUT |
| 0:19:31.088873 | LOG | TX\_ACK: 02 1699 05 aa555a0000240409 |
| 0:19:31.307369 | LOG | PULL\_DATA: 02 b0f6 02 aa555a0000240409 |
| 0:19:31.307369 | LOG | PULL\_ACK: 02 b0f6 04 |
| 0:19:35.921138 | LOG | PUSH\_ACK: 02 15e6 01 |
| 0:19:35.923234 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15e6, Identifier = 00, JSON = {'rxpk': [{'tmst': 1351956328, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ASQTgT7wf6SqF'}]} |
| 0:19:35.923234 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0449, FOpts: ), FPort: e0, FRMPayload: 03b7, MIC: 1fe92a85) |
| 0:19:35.923234 | LOG | Server <-------------------- DUT |
| 0:19:35.923234 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a74c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f8d5b374) |
| 0:19:35.923234 | LOG | PULL\_RESP: Protocol version = 02, Token = 6151, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1353956328, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ATKfgWQM0FCmKKwxfgXkCIfVb66kMmby7qb7gfJGkDwrHYwQZfuIr3uo9cgfRlKeugEwiX+jxc96w+y+sDXtzLRW4uDEKRczb8H+mLSdv8U3MNdqD1VADV/uXgBTX9kAByTsB0bAXgNN3YMRQtXA3H1UajGqQC7MEFHTEIKuzvhv00TBDlZhxu/LCfmoMuJX9TOi/YZ480v97yKCQ8opVO8E7Z5LuqRPPmvPRmNDnnlCMUFV2BaB7qsgEa9b9BDeP3GWkKg0+is8OnGgJ6hk8WNEv0i9R81U3cz7GnbQ95EL4KavynYDX5vy7tUOmFWDF4T8Fhfn41bN0'}} |
| 0:19:35.923234 | LOG | Server --------------------> DUT |
| 0:19:35.923234 | LOG | TX\_ACK: 02 6151 05 aa555a0000240409 |
| 0:19:40.783237 | LOG | PUSH\_ACK: 02 15e7 01 |
| 0:19:40.785255 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15e7, Identifier = 00, JSON = {'rxpk': [{'tmst': 1356799123, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ASgTgRpFA9BNc'}]} |
| 0:19:40.785255 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 044a, FOpts: ), FPort: e0, FRMPayload: 03b8, MIC: 40f4135c) |
| 0:19:40.785255 | LOG | Server <-------------------- DUT |
| 0:19:40.785255 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a74d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 2ff8863a) |
| 0:19:40.785255 | LOG | PULL\_RESP: Protocol version = 02, Token = 53b0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1358799123, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ATafgwwDYixi9GoHPsWMHiruFZiZSds2s89wOFNYwsVADgqegSajOwm/TE9qmorS552NBYUWPBZa4vI9e6X0jOXNtqCRNqDWA4nkjknZ5pFx4kHd/YEZaA/SRMaWGVI3z5C/yObsuHJZMlCZak0Lw9qcK9M+o5mvmGHZT/NZ8HokBcdpQgzDUmwDjSmS8V4hbaTFGg2Spjm+y+k8GMM0cJShCQ8v0qfWvCE7HYa2dBgu/cB+/g3dRmUu1PW8npmgoh6R4Vd4QKeQAV/RfEh8DsDxQfpSl7lxxBLDnQhxNy7qnrSgpBgORS5Ox4RaG57hCoAFbVqIv+IY6'}} |
| 0:19:40.785255 | LOG | Server --------------------> DUT |
| 0:19:40.785255 | LOG | TX\_ACK: 02 53b0 05 aa555a0000240409 |
| 0:19:41.413667 | LOG | PULL\_DATA: 02 1513 02 aa555a0000240409 |
| 0:19:41.413667 | LOG | PULL\_ACK: 02 1513 04 |
| 0:19:45.653854 | LOG | PUSH\_ACK: 02 15e8 01 |
| 0:19:45.653854 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15e8, Identifier = 00, JSON = {'rxpk': [{'tmst': 1361641667, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ASwTgSa0zI0ZE'}]} |
| 0:19:45.653854 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 044b, FOpts: ), FPort: e0, FRMPayload: 03b9, MIC: 33234644) |
| 0:19:45.653854 | LOG | Server <-------------------- DUT |
| 0:19:45.653854 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a74e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b7061051) |
| 0:19:45.653854 | LOG | PULL\_RESP: Protocol version = 02, Token = 39cd, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1363641667, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ATqfgk1VLb3TUmYLv6ueGqvteO61uAyP8pKLgNNmmJMWzBJW8GWuY8SC8mBeNgpBPyXH8OW2Xdm7P9R7/c3DLigIoP9ARAYhdlUwEpoFd21oVJLNCLVkKQmPNytf4kamCQS/0BlkTiQlF62SkFmhojCIUTjCkBr5JomcT+GAfq68aL2vtxItk9JgQYfBGCqCWPjkPJFY857nPPMZWp4yqe/3fnVKEPBIFZ2FLDmihO6M+zYKE3bqBTU2DbaK33wmhw2TmSq+Bxzaqy7hJu03wm+9ngiUCn5V+jT47T1Gsqq1xih1dSkIFN872PUXWErhtPyFnvRi3BhBR'}} |
| 0:19:45.653854 | LOG | Server --------------------> DUT |
| 0:19:45.653854 | LOG | TX\_ACK: 02 39cd 05 aa555a0000240409 |
| 0:19:50.533077 | LOG | PUSH\_ACK: 02 15e9 01 |
| 0:19:50.533077 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15e9, Identifier = 00, JSON = {'rxpk': [{'tmst': 1366524715, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ATATgsc4LzaVF'}]} |
| 0:19:50.533077 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 044c, FOpts: ), FPort: e0, FRMPayload: 03ba, MIC: 0bcda545) |
| 0:19:50.533077 | LOG | Server <-------------------- DUT |
| 0:19:50.533077 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a74f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c958e897) |
| 0:19:50.533077 | LOG | PULL\_RESP: Protocol version = 02, Token = 0bd5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1368524715, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AT6fgp1mjX4j5UwxomGgBcO6h02RmZQLB9DTVt+jpPDBUuNasZ79+qYSpWXyhtCj8oOO1W74iR2yzpoqB7FoSG0YtXsG3yb+AFKxp/dvNJWmXQmMJWMlc0o6UPLkEh8xzIDYA1lm1pLdo8wzSpoin2gS5UQ48zbezU+vFCwd+20oeBQKSP58DDCI6LUOjTIC75RHqcQv2riYG8Tjp4F6G3d0LqNtUZB75HlM8J7Ydl2mMfO+NJp1h+opBjVsnseqUG3FZd5Hh58FNE4rSyZXHSJ9fRziXD+bcszjXRqf9709WOkC2jA0xE0WIaScscULxGWyz+qXJWOiX'}} |
| 0:19:50.533077 | LOG | Server --------------------> DUT |
| 0:19:50.533077 | LOG | TX\_ACK: 02 0bd5 05 aa555a0000240409 |
| 0:19:51.571946 | LOG | PULL\_DATA: 02 78d9 02 aa555a0000240409 |
| 0:19:51.571946 | LOG | PULL\_ACK: 02 78d9 04 |
| 0:19:55.384707 | LOG | PUSH\_ACK: 02 15ea 01 |
| 0:19:55.384707 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15ea, Identifier = 00, JSON = {'rxpk': [{'tmst': 1371367347, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6ATQTgh/7qrjx7'}]} |
| 0:19:55.384707 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 044d, FOpts: ), FPort: e0, FRMPayload: 03bb, MIC: eaae3c7b) |
| 0:19:55.384707 | LOG | Server <-------------------- DUT |
| 0:19:55.384707 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a750, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: dc491342) |
| 0:19:55.384707 | LOG | PULL\_RESP: Protocol version = 02, Token = fdba, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1373367347, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AUKfgYh0Wtk3z13R7nWJ1e3WaxDDSs7QfSVrMFrNkPPIQ80om+EbPntP0xv6Y7XZNLB/Xd/is0u8jg4kG0HPgHeJpj7u4jTLfCYK4wJWLnP28+nz0G1YLeGxWfw5ZXrjiMcY+TGIF5QAZc57Fc143QMJXfDfmPK1l36OaMeXu+9vc7XWFqMbDWL6K6FXCiTvTYGgZXY190Rm+a/b+WuGJ9PusAs4+BNvopBQByuxq+AKfd0oItMsKgk29KJ+bArPkVdvLMPvrV29XygBF0AUXlmfXqqmQ+8S7hoz29iL+EiVkOokHaZ9a9TIDzTVkyvyO5h6yS3fcSRNC'}} |
| 0:19:55.384707 | LOG | Server --------------------> DUT |
| 0:19:55.384707 | LOG | TX\_ACK: 02 fdba 05 aa555a0000240409 |
| 0:20:00.197540 | LOG | PUSH\_ACK: 02 15ec 01 |
| 0:20:00.199591 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15ec, Identifier = 00, JSON = {'rxpk': [{'tmst': 1376209956, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ATgTg79O3COhy'}]} |
| 0:20:00.199591 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 044e, FOpts: ), FPort: e0, FRMPayload: 03bc, MIC: b708e872) |
| 0:20:00.199591 | LOG | Server <-------------------- DUT |
| 0:20:00.199591 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a751, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1c3ff810) |
| 0:20:00.199591 | LOG | PULL\_RESP: Protocol version = 02, Token = e67d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1378209956, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AUafgGjlOMtv0yXn3YiMNyBvtb4Dqk++5A8CcDjnYAMUSZDTmYFaEQMQ5QHYXPKZqGPzQRls7pSHqmEdqD9XeqJwwwqTeoWJpZiOx9lIY0/XwcuOIn/SDXVjOSCCNS+gsWezlQtZEpjaZKH9DZ9Qt05hwtqu3P/x7HNglSvlQ1Y6UUQboJpIOidgXOwuTCSYvnkghd+QdCek/O0ew1sXo0pAYOj7NiOi/bUzWTsO+Z00niPHOn7WnGFn+3K5dZIImCVBfi2fXIB/kuvcmu+WNUZzO0sHTdPoFaFjuPHWNTa9lEnDvgumt2jEYdIjHPBBvStANAL8cP/gQ'}} |
| 0:20:00.199591 | LOG | Server --------------------> DUT |
| 0:20:00.199591 | LOG | TX\_ACK: 02 e67d 05 aa555a0000240409 |
| 0:20:01.658024 | LOG | PULL\_DATA: 02 f903 02 aa555a0000240409 |
| 0:20:01.658024 | LOG | PULL\_ACK: 02 f903 04 |
| 0:20:05.068763 | LOG | PUSH\_ACK: 02 15ed 01 |
| 0:20:05.068763 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15ed, Identifier = 00, JSON = {'rxpk': [{'tmst': 1381052484, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ATwTgV37JrUwr'}]} |
| 0:20:05.068763 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 044f, FOpts: ), FPort: e0, FRMPayload: 03bd, MIC: c9ad4c2b) |
| 0:20:05.068763 | LOG | Server <-------------------- DUT |
| 0:20:05.068763 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a752, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: dbae6d80) |
| 0:20:05.068763 | LOG | PULL\_RESP: Protocol version = 02, Token = 7312, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1383052484, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AUqfg4eksjIwX9/9e8oWcMGIz3axE4OXX39hS0Gp0xJF770l+7gCuvGbtzrQYqLr7Hegpak0vzOLqtqGmVQfCbg4Bk18cApraLX31faL0s9iLstwExLV4JYnr0QgR8bvfX0JvcPIDrJ15a+V0uSd6j14FWWBbvFHf0j2YB1g29VQQCWJmlJaIiWdRyHrT8ShJxYEVIralocUmeJ0tKQiOF/pfGvEst7oSXwj0LAx4SJOhC+Jrcti/P/63t7QG4QZ18GyWFh6t1U1voGBXs3KcS39eEZVHNiBEbIUuufFlOr4k9FjhylDWPY+19FNaEP0JJwKni6nbrm2A'}} |
| 0:20:05.068763 | LOG | Server --------------------> DUT |
| 0:20:05.068763 | LOG | TX\_ACK: 02 7312 05 aa555a0000240409 |
| 0:20:09.915742 | LOG | PUSH\_ACK: 02 15ee 01 |
| 0:20:09.917800 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15ee, Identifier = 00, JSON = {'rxpk': [{'tmst': 1385895086, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AUATgkPAaVfoe'}]} |
| 0:20:09.917800 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0450, FOpts: ), FPort: e0, FRMPayload: 03be, MIC: 1a55fa1e) |
| 0:20:09.917800 | LOG | Server <-------------------- DUT |
| 0:20:09.917800 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a753, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9de2ea87) |
| 0:20:09.917800 | LOG | PULL\_RESP: Protocol version = 02, Token = c871, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1387895086, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AU6fgKUwD8poKn0RZRvK3ooWTKlcxWLjdclAUEjCO4ngqFoZHG71N1hkVsiy27kE/8R+Mtm1QQlL2OLaYutndmDKTt3HF9EoL3lq0nLKy0PRRb26niw4WXpDof3bGrQDVrm04y5q8WYmB6vZk3BOq4bIJQcRahVxUc6023nlnpUbXjlMFy7w5gECSq89pEnxpwUa8j2kzjU7ipv7A5NFhNSXNo6Y6kj3iQiy3mCSzv8z7PgJ5lJH95RUsqaRO27pbC0NiO9SRRS9qs1cmy8sfhK3PmwQZIJ56KAO2nLblTDvdVoZdVwfM0JMF0/EHVXYz9P/MtTWd4uqH'}} |
| 0:20:09.917800 | LOG | Server --------------------> DUT |
| 0:20:09.917800 | LOG | TX\_ACK: 02 c871 05 aa555a0000240409 |
| 0:20:11.786220 | LOG | PULL\_DATA: 02 120d 02 aa555a0000240409 |
| 0:20:11.786220 | LOG | PULL\_ACK: 02 120d 04 |
| 0:20:14.717103 | LOG | PUSH\_ACK: 02 15ef 01 |
| 0:20:14.719164 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15ef, Identifier = 00, JSON = {'rxpk': [{'tmst': 1390737679, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AUQTgK5YAwqLf'}]} |
| 0:20:14.719164 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0451, FOpts: ), FPort: e0, FRMPayload: 03bf, MIC: 00c2a2df) |
| 0:20:14.719164 | LOG | Server <-------------------- DUT |
| 0:20:14.719164 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a754, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 24a956b7) |
| 0:20:14.719164 | LOG | PULL\_RESP: Protocol version = 02, Token = 4c3b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1392737679, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AVKfgFmk0Zr4C0/dka2MYYsUV6rRLzmdr5rw73l/vNgIQLE2ZAgwX1wfkZG2ahiatEYx7u89XQNp6XKBH2eAbtb0JnCAwizgjh+nBJMMe7VgvCE8WMxXB4ORAlv4gVjLrmZPkuA5gQjypwihXsCxe4MgxjtJ9hdggc3ymmG3LtHs7tirXeCXQz3AM/h8g54IZz4cmYsNyuPQc0oEn/YOaifqGFZNk3DhSz0TwlJnqRS5klYowSXOYpRt0HdgX+F/ejhZcnAgBjDOkPMyl2usVsS0mmM5z6gjezETnYCt8y+Qzb/tb5Qj8DTTQJa7kd+vHCct9k+IkqVa3'}} |
| 0:20:14.719164 | LOG | Server --------------------> DUT |
| 0:20:14.719164 | LOG | TX\_ACK: 02 4c3b 05 aa555a0000240409 |
| 0:20:19.566877 | LOG | PUSH\_ACK: 02 15f0 01 |
| 0:20:19.568919 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15f0, Identifier = 00, JSON = {'rxpk': [{'tmst': 1395580464, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AUgTgICq3DbdM'}]} |
| 0:20:19.568919 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0452, FOpts: ), FPort: e0, FRMPayload: 03c0, MIC: b70db74c) |
| 0:20:19.568919 | LOG | Server <-------------------- DUT |
| 0:20:19.568919 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a755, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d4bbafa8) |
| 0:20:19.568919 | LOG | PULL\_RESP: Protocol version = 02, Token = 308e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1397580464, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AVafgdGd/XuhfrqQJXjFV/9hcRnt14w1blCV3m+BV7c4cr9I3h9OQl8NkvdLtV7hY4RfqVCT9PK9f5ba+5qv/ul32anK0mvqdJ6D4d7xBPlt/BZozrhvZobeBMw1Pn0HmUXv+gW2TfIQeL6n9xnOoghKmMx5804hz68LrUN/T+cNKtSZpzhRxEf5vU2bfGvNPGo0UnyXyXfafT1bm9RVtZ8Y/nj2eyAayZBE4E2/NCkh11Z2a2tNenmzrAajl2IfubQTtLbP7nTj0QqmU1t8hN+bgo6d0p5FXj5Y2L115jeLYkgZIahbf1QV4EkKeeQe4IJ4aMYPUu6+o'}} |
| 0:20:19.568919 | LOG | Server --------------------> DUT |
| 0:20:19.568919 | LOG | TX\_ACK: 02 308e 05 aa555a0000240409 |
| 0:20:21.845296 | LOG | PULL\_DATA: 02 9aab 02 aa555a0000240409 |
| 0:20:21.845296 | LOG | PULL\_ACK: 02 9aab 04 |
| 0:20:24.392056 | LOG | PUSH\_ACK: 02 15f1 01 |
| 0:20:24.394158 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15f1, Identifier = 00, JSON = {'rxpk': [{'tmst': 1400423017, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AUwTgd8ac/Pd4'}]} |
| 0:20:24.394158 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0453, FOpts: ), FPort: e0, FRMPayload: 03c1, MIC: 9cfcf778) |
| 0:20:24.394158 | LOG | Server <-------------------- DUT |
| 0:20:24.394158 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a756, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1573ac3c) |
| 0:20:24.394158 | LOG | PULL\_RESP: Protocol version = 02, Token = f8c8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1402423017, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AVqfg8vtdlVeOXTc2lQkLXNlPRKUYc2t/E4RB5dAxlmlgbYoKzMitYpgFjf6Jep3E184dQLEFe9TwOTWPdDubwcibxyMgBfFGntWsoi1t/GuJkkyBSXRUhTq/cCTaGQ2aGVJRxED2tmghsHkgeDcWEdv7dj1EB5ASk4IK2KxAwMytsKDyEGoidIYp9j4e8jfscVi46Gj2pClCXtOtafIQC/INgbMBfbg06PkZJO+Wc2EUbTzUXGiAneTTbC5HOLZ+tFvdzpFvIk8IMqwjUctCCuqSpE2937o9kFtP2nA3TtKabzlrETCjXtGkzkzj+oZYBel8e50Vc6w8'}} |
| 0:20:24.394158 | LOG | Server --------------------> DUT |
| 0:20:24.394158 | LOG | TX\_ACK: 02 f8c8 05 aa555a0000240409 |
| 0:20:29.313595 | LOG | PUSH\_ACK: 02 15f3 01 |
| 0:20:29.313595 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15f3, Identifier = 00, JSON = {'rxpk': [{'tmst': 1405306096, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AVATgkcMAJsIK'}]} |
| 0:20:29.313595 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0454, FOpts: ), FPort: e0, FRMPayload: 03c2, MIC: 0026c20a) |
| 0:20:29.313595 | LOG | Server <-------------------- DUT |
| 0:20:29.313595 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a757, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c6cdebc6) |
| 0:20:29.313595 | LOG | PULL\_RESP: Protocol version = 02, Token = 9a0f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1407306096, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AV6fgPA8eEs1THn965Lc7KyPR2mNZ++puSymFW/+jmZBjgzBAtf+jufPeBbcyWey3CNtHawixDYvRX6PnnuACT+T1fyNZZcSgfa7oAF3kJvgPkksHMRMkRaXgp2SexPV5gvO4oimdCCM3g7p2FbqUlkt6GkSdNBieXUrWGV+NMCOjZilJKW2VS8wng+kWEJiZ8+iSguG1cCQfPkv8GSEiIn2CVsz8JhGYOAmMfep5tOCtFAkRnlqxCctak5JPviV0SYvzdoIlqAqFAff0iqVyBjEIkxiwK7QpuWm+6ZbZgZ2kroHaM87k81xj0SsWtkLq5cUMYLzGzevG'}} |
| 0:20:29.313595 | LOG | Server --------------------> DUT |
| 0:20:29.313595 | LOG | TX\_ACK: 02 9a0f 05 aa555a0000240409 |
| 0:20:32.003538 | LOG | PULL\_DATA: 02 bf5c 02 aa555a0000240409 |
| 0:20:32.003538 | LOG | PULL\_ACK: 02 bf5c 04 |
| 0:20:34.135734 | LOG | PUSH\_ACK: 02 15f4 01 |
| 0:20:34.135734 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15f4, Identifier = 00, JSON = {'rxpk': [{'tmst': 1410148752, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AVQTgzhhEVYXe'}]} |
| 0:20:34.135734 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0455, FOpts: ), FPort: e0, FRMPayload: 03c3, MIC: 445585de) |
| 0:20:34.135734 | LOG | Server <-------------------- DUT |
| 0:20:34.135734 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a758, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: cdb48770) |
| 0:20:34.135734 | LOG | PULL\_RESP: Protocol version = 02, Token = 27f8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1412148752, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AWKfgNmLDHJk12AZKPgC0ilGcsqVB9jIQZJ0LE3rWTPkvf5NoU0ppXpp7dLvzRQDOHEAXufjg9ymGpFLdcRui+2lfj137gIJlKgQQ45DXIQnokyBVBteOk136iX0T+v+iy5O5tG2l0MEoGMu1Pz4NuD2HlyB/C34o7iNDkle9GsAGZfT79VbImFyDH6gV7heLKBkvnaRijDnTKcN81czhf86EkeTCL1kWdlV/kuexpv/KGR5dmrtWezBosnLSn1TQKErHyvmsvFHiNlrlfO/jMAGBD9/u8s+xOdc9RCQKXHso7qkt6KU2VxT5jm/Z6vIy/Uj/a7TNtIdw'}} |
| 0:20:34.135734 | LOG | Server --------------------> DUT |
| 0:20:34.135734 | LOG | TX\_ACK: 02 27f8 05 aa555a0000240409 |
| 0:20:39.017913 | LOG | PUSH\_ACK: 02 15f5 01 |
| 0:20:39.017913 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15f5, Identifier = 00, JSON = {'rxpk': [{'tmst': 1414991537, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AVgTginK/LQlG'}]} |
| 0:20:39.017913 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0456, FOpts: ), FPort: e0, FRMPayload: 03c4, MIC: bf2d0946) |
| 0:20:39.017913 | LOG | Server <-------------------- DUT |
| 0:20:39.017913 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a759, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5512dff6) |
| 0:20:39.017913 | LOG | PULL\_RESP: Protocol version = 02, Token = 0466, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1416991537, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AWafgXoB3zta53aAUgp+ywo/Ye/Qioi51VXki92K8vjCJnHTOTFSI/7X2tT3GTUSUiJxOhk8CrcVqqasKC4kM43ehz/ZVzozExAW3bhqBZaGayJE4IGMfUu20cUydjpX+JaIlW1KNHxM5AFZBpu10i1S/ccEm2H9w+kFBQRJrY9pVMTICLQyu0DtbotvdZdmRPf4kWW7Tp3lowk3r9FG8BPuDtkkn9nGhZZnvJKOGGpnljET0O9dFeUKjr4MzPF/SmkYSOr1NxEaz8tRFCvEF9StnrrvRyXTJY5JS5kyW7v4MXqZJluuHC6IR9nsGIRQprKgaYnBVEt/2'}} |
| 0:20:39.017913 | LOG | Server --------------------> DUT |
| 0:20:39.017913 | LOG | TX\_ACK: 02 0466 05 aa555a0000240409 |
| 0:20:42.109827 | LOG | PULL\_DATA: 02 ea40 02 aa555a0000240409 |
| 0:20:42.109827 | LOG | PULL\_ACK: 02 ea40 04 |
| 0:20:43.829774 | LOG | PUSH\_ACK: 02 15f6 01 |
| 0:20:43.829774 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15f6, Identifier = 00, JSON = {'rxpk': [{'tmst': 1419834161, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AVwTg9pacB0Wg'}]} |
| 0:20:43.829774 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0457, FOpts: ), FPort: e0, FRMPayload: 03c5, MIC: 9c0745a0) |
| 0:20:43.829774 | LOG | Server <-------------------- DUT |
| 0:20:43.829774 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a75a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a1bb9738) |
| 0:20:43.829774 | LOG | PULL\_RESP: Protocol version = 02, Token = 1e80, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1421834161, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AWqfgMFMujGIVddHg23bdBfcfDgulCbfDXEJkacYb6+Jz3MWeGjq7Al0ts3KxM0MuLXy+1fZmn7hkIr3/8JKNHf8bEYxUq9KfuUDBQBjIGC6lkmMWy9XqYaj8VgBcWI3UV7E5iQMq2hrr2tIZz1fI02DW9g6CqWTZmmnRivt5jkAtrytrVnle1mBZB6h8w0+gunqGQ8wj+5P3YVzVlPao1DNIN7BucgVNeAiCEDIHS4LvufAezAir54LQEGUDQgY29EokfrFZ0I2m3r+aS8k3UZ8DwEsVSdLZ6CxcqC6XiuIclWocxTXRD1mldNr2sVMorZvNSZihu5c4'}} |
| 0:20:43.829774 | LOG | Server --------------------> DUT |
| 0:20:43.829774 | LOG | TX\_ACK: 02 1e80 05 aa555a0000240409 |
| 0:20:48.656229 | LOG | PUSH\_ACK: 02 15f7 01 |
| 0:20:48.656229 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15f7, Identifier = 00, JSON = {'rxpk': [{'tmst': 1424676728, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -45, 'size': 15, 'data': 'QO++rd6AWATgfY1JiS4C'}]} |
| 0:20:48.656229 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0458, FOpts: ), FPort: e0, FRMPayload: 03c6, MIC: 49892e02) |
| 0:20:48.656229 | LOG | Server <-------------------- DUT |
| 0:20:48.656229 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a75b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 29f13720) |
| 0:20:48.656229 | LOG | PULL\_RESP: Protocol version = 02, Token = 6f35, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1426676728, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AW6fg6ED19NHogIlxNlTC935zfYhp22Y7zxnYEoDG+6tVQG+yIRdGtYEUxMKO5uYUQIz34pAfGu3ZoKAF4FWSb4/0Yf3skNglVjbnZiD/JU0W5KJIbofn4jRVmCKp5sglSJW0jbepjcLnDe1+ASM1sSICcTMB9mm6F1WJbe+fD0eTAjW2W0wQlcodSCEW+QxLqWTVbD/6VsA7kkG5BmJSc0V7oSKAxY8HAAQG60d06cvyQOHesC7A5wtwnb48sId24NaCqjHEYmrR5msXTM5tRZCuTbwPj3Rm98aqjeNGHpN3hOTclWIbXmzCMUpZxfRrBZjvxEop8Tcg'}} |
| 0:20:48.656229 | LOG | Server --------------------> DUT |
| 0:20:48.656229 | LOG | TX\_ACK: 02 6f35 05 aa555a0000240409 |
| 0:20:52.147682 | LOG | PULL\_DATA: 02 adce 02 aa555a0000240409 |
| 0:20:52.147682 | LOG | PULL\_ACK: 02 adce 04 |
| 0:20:53.008139 | LOG | Cannot unpack the message |
| 0:20:53.518104 | LOG | PUSH\_ACK: 02 15f9 01 |
| 0:20:53.518104 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15f9, Identifier = 00, JSON = {'rxpk': [{'tmst': 1429519273, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AWQTgxGzYYrlK'}]} |
| 0:20:53.518104 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0459, FOpts: ), FPort: e0, FRMPayload: 03c7, MIC: d862b94a) |
| 0:20:53.518104 | LOG | Server <-------------------- DUT |
| 0:20:53.528103 | LOG | Number of downlinks: 60 |
| 0:20:53.528103 | LOG | Number of errors: 0 |
| 0:20:53.528103 | LOG | Packet Error Rate (%): 0.0 |
| 0:20:53.538103 | LOG | Packet error rate SF8BW125 process tested successfully |
| 0:20:53.538103 | LOG | End Test Step: Test packet error rate for SF9BW500 using RX2 window |
| 0:20:53.538103 | LOG | Partial Verdict: PASS |
| 0:20:53.548135 | LOG | ========================================================= |
| 0:20:53.548135 | LOG | ========================================================= |
| 0:20:53.548135 | LOG | Start Test Step: Test packet error rate for SF8BW500 using RX2 window |
| 0:20:53.558103 | LOG | Send RXParamSetupReq process starts |
| 0:20:58.372577 | LOG | PUSH\_ACK: 02 15fa 01 |
| 0:20:58.372577 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15fa, Identifier = 00, JSON = {'rxpk': [{'tmst': 1434361857, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AWgTguUM9ouGq'}]} |
| 0:20:58.372577 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 045a, FOpts: ), FPort: e0, FRMPayload: 03c7, MIC: 3da2e1aa) |
| 0:20:58.372577 | LOG | Server <-------------------- DUT |
| 0:20:58.372577 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a75c, FOpts: ), FPort: 00, FRMPayload: 050c68e28c), MIC: 87c28363) |
| 0:20:58.372577 | LOG | PULL\_RESP: Protocol version = 02, Token = daf8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1435361857, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AXKcAJka9gMWHwoNj'}} |
| 0:20:58.372577 | LOG | Server --------------------> DUT |
| 0:20:58.372577 | LOG | TX\_ACK: 02 daf8 05 aa555a0000240409 |
| 0:21:02.279820 | LOG | PULL\_DATA: 02 2329 02 aa555a0000240409 |
| 0:21:02.279820 | LOG | PULL\_ACK: 02 2329 04 |
| 0:21:03.159176 | LOG | PUSH\_ACK: 02 15fc 01 |
| 0:21:03.159176 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15fc, Identifier = 00, JSON = {'rxpk': [{'tmst': 1439204824, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -47, 'size': 17, 'data': 'QO++rd6CWwQFB+B+GDbxIaI='}]} |
| 0:21:03.161876 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 045b, FOpts: 0507), FPort: e0, FRMPayload: 03c8, MIC: 36f121a2) |
| 0:21:03.161876 | LOG | Server <-------------------- DUT |
| 0:21:03.161876 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:21:03.161876 | LOG | Command Answer: 0507 |
| 0:21:03.169952 | LOG | Send ACK to DUT process starts |
| 0:21:03.169952 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a75d, FOpts: ), FPort: , FRMPayload: ), MIC: fbf17743) |
| 0:21:03.169952 | LOG | PULL\_RESP: Protocol version = 02, Token = 0774, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1440204824, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4AXaf78XdD'}} |
| 0:21:03.169952 | LOG | Server --------------------> DUT |
| 0:21:03.169952 | LOG | Send ACK to DUT tested successfully |
| 0:21:03.169952 | LOG | MAC command communication completed |
| 0:21:03.179888 | LOG | Packet error rate (Unconfirmed) SF8BW125 process starts |
| 0:21:08.060737 | LOG | PUSH\_ACK: 02 15fd 01 |
| 0:21:08.062806 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15fd, Identifier = 00, JSON = {'rxpk': [{'tmst': 1444087562, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AXATgCt4XcvZf'}]} |
| 0:21:08.062806 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 045c, FOpts: ), FPort: e0, FRMPayload: 03c9, MIC: 1772f65f) |
| 0:21:08.062806 | LOG | Server <-------------------- DUT |
| 0:21:08.062806 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a75e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4b95e432) |
| 0:21:08.062806 | LOG | PULL\_RESP: Protocol version = 02, Token = 6ce5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1446087562, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AXqfgHX35Rijpu4H5mpRcl0HNiNORO3OSvaAVOZ3UgBHaHnD4eDhM+QxXiOnPukBK185UbKAbc+7++uvBdFWdYUbkSc90UfuYia5HtlJzUfhGff4qkLcITd1cYQRwVVbzV3mGQgkgo8Ux1cdbkcUWZv3JHPzJOpblsNz0m9EpYFgoxuA7+I+cjFCcr+dumkd7aVYxSX0w9E04uzFz+uTVnpbqV5iZoJ1nUuA/nqw/Bds4eUJ3+PDN2EGE/fORz/Axlp99luHtW4vzvIY5y72iAm9xiQMap+t+mDM8ALI2Ig2WKYgTouumAfcr1AQPb68JpKvtmZZLleQy'}} |
| 0:21:08.062806 | LOG | Server --------------------> DUT |
| 0:21:08.062806 | LOG | TX\_ACK: 02 6ce5 05 aa555a0000240409 |
| 0:21:12.376493 | LOG | PULL\_DATA: 02 781d 02 aa555a0000240409 |
| 0:21:12.376493 | LOG | PULL\_ACK: 02 781d 04 |
| 0:21:12.888011 | LOG | PUSH\_ACK: 02 15fe 01 |
| 0:21:12.888011 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15fe, Identifier = 00, JSON = {'rxpk': [{'tmst': 1448930219, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AXQTg6iLD/Tt8'}]} |
| 0:21:12.888011 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 045d, FOpts: ), FPort: e0, FRMPayload: 03ca, MIC: c3fd3b7c) |
| 0:21:12.888011 | LOG | Server <-------------------- DUT |
| 0:21:12.888011 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a75f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 2d43066c) |
| 0:21:12.888011 | LOG | PULL\_RESP: Protocol version = 02, Token = be21, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1450930219, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AX6fgOUhBfUsgjabGj8g9U5kSUJGvoXso4Zo6gB4FTxCQIoOq5eFNKDT1kmvYG0LgIDd+23kO5NHQz2T5FCb+u10qd9OTKtESEjjogLoNz3GQ6TfTL3vkTRq0/BHgpB7gvyl8iS44MOJG82Ap4kUWR4byQeTEXsSKCXaihHNAxTVs6Vs27a5wXt/co+D8ak9P8KI0fZ38ya/gKpSx5mksrzWqjUf21oUpWGBgGj7HNlCOh2kvzooYIKI3rnk+nuzvMplhuLB2ar1hoDJXY4rhZp7qwxWVKkC3H3fasObSAhdSXuIJifEyVsaRLhqZbwawb7FSKNMtQwZs'}} |
| 0:21:12.888011 | LOG | Server --------------------> DUT |
| 0:21:12.888011 | LOG | TX\_ACK: 02 be21 05 aa555a0000240409 |
| 0:21:17.747240 | LOG | PUSH\_ACK: 02 15ff 01 |
| 0:21:17.747240 | LOG | PUSH\_DATA: Protocol version = 02, Token = 15ff, Identifier = 00, JSON = {'rxpk': [{'tmst': 1453772842, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AXgTgGVScoDXh'}]} |
| 0:21:17.747240 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 045e, FOpts: ), FPort: e0, FRMPayload: 03cb, MIC: 9ca035e1) |
| 0:21:17.747240 | LOG | Server <-------------------- DUT |
| 0:21:17.747240 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a760, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4095777b) |
| 0:21:17.747240 | LOG | PULL\_RESP: Protocol version = 02, Token = ac6c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1455772842, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AYKfgBljhca5jASQ3LkhI8kcKgmez4U13sF64SNMON3hYOQMdZWs8+MF+4sGt2JUiG145Uq+9GUVtqSOwp9qnRFFnGc9nX8BOtj0CGwRD9erQ2KUhMixjjOkYLk/IJjW1P/puVnzMiD1hJ4+FQYCYXVjJ3tGgrwHXoVxEV+3MOdHvKhrkdQ/pW+9A+nI58/zZiyJYQL3QmRD7Szd0gGoaFwDftQ5y+/gPj/aTTWjv6kiHm6s/lBZTOosswyuyZhltqNwuQvuayk0zacoMtb6RAEoMa9O6JAj4ypQ+CAm9ZC3kFoyeQbA2FI/HreEwrrzYOGFp32JAlXd7'}} |
| 0:21:17.747240 | LOG | Server --------------------> DUT |
| 0:21:17.747240 | LOG | TX\_ACK: 02 ac6c 05 aa555a0000240409 |
| 0:21:22.461478 | LOG | PULL\_DATA: 02 6610 02 aa555a0000240409 |
| 0:21:22.461478 | LOG | PULL\_ACK: 02 6610 04 |
| 0:21:22.570223 | LOG | PUSH\_ACK: 02 1600 01 |
| 0:21:22.570223 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1600, Identifier = 00, JSON = {'rxpk': [{'tmst': 1458615437, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AXwTg9JrSJ/iC'}]} |
| 0:21:22.570223 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 045f, FOpts: ), FPort: e0, FRMPayload: 03cc, MIC: d227f882) |
| 0:21:22.570223 | LOG | Server <-------------------- DUT |
| 0:21:22.570223 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a761, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9774d79c) |
| 0:21:22.570223 | LOG | PULL\_RESP: Protocol version = 02, Token = 2b8b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1460615437, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AYafg344R8R7osMcaKaxuhP+pGQATLGkP32gcX1NcY0Vd3ooUDVRZuQxzywEFUBTfK0hMvm65E6v6S7FFEPp7yrDjkZPMRP8vvkoCcDggi6FhSWcr5GFIUvJoIwj//if2UmRbKt6EhYha4gZxTYyqG7wLjbqZ7ThR3FwzZ1zVzhhgnoJoBabtn0FTlDN944ZJrA/3IumX8OwE3xgJ+prwjpVjwd5HylvbmgkrSRxWKZwj73FnG3XJJsxBbR+zO2aF3PF1j5mUdRpGbjPXEbCav9I9iZjqwW5Q6VIZ/8TBgwbht01Vj27lQBsJeEPBsgNe15a5AoGXdNec'}} |
| 0:21:22.570223 | LOG | Server --------------------> DUT |
| 0:21:22.570223 | LOG | TX\_ACK: 02 2b8b 05 aa555a0000240409 |
| 0:21:27.414641 | LOG | PUSH\_ACK: 02 1601 01 |
| 0:21:27.414641 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1601, Identifier = 00, JSON = {'rxpk': [{'tmst': 1463458244, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AYATgwO/0NPeh'}]} |
| 0:21:27.414641 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0460, FOpts: ), FPort: e0, FRMPayload: 03cd, MIC: f434f7a1) |
| 0:21:27.414641 | LOG | Server <-------------------- DUT |
| 0:21:27.414641 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a762, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d28df18b) |
| 0:21:27.414641 | LOG | PULL\_RESP: Protocol version = 02, Token = 239a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1465458244, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AYqfgMc25cAt+laXWnCavVYAxBiu7uS76+FsE2gju6NSRPh8N4KLzvXzJVGkjK3oTr6px1AXmKtlg/XDBkhiijqbdw7xnbkcYjjv3SGJzU7CiaMVnVoJMKtQ2xk7MSuE506Z/kBZX+5oLA/z6nFTHO640MGLAD52ovNJn+DIuOSr3V19K/MB9QdWrGC6+AJux4QXdpMQel6BBJknHaYvBT+6cB7KwWK2uvobv9oEV8M+2iM4u/1f9qebZF7pjmkSFhcu4xl6cVrXYG+4emdXWklhakf7/X10soeEPZ+jPjAx3SFZ9wR9Dx10f5YUnjSdD3ZFFT5fSjfGL'}} |
| 0:21:27.420549 | LOG | Server --------------------> DUT |
| 0:21:27.420549 | LOG | TX\_ACK: 02 239a 05 aa555a0000240409 |
| 0:21:32.296928 | LOG | PUSH\_ACK: 02 1603 01 |
| 0:21:32.298947 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1603, Identifier = 00, JSON = {'rxpk': [{'tmst': 1468300899, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AYQTgG7zF7K0R'}]} |
| 0:21:32.298947 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0461, FOpts: ), FPort: e0, FRMPayload: 03ce, MIC: c5ecad11) |
| 0:21:32.298947 | LOG | Server <-------------------- DUT |
| 0:21:32.298947 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a763, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b1b2fd3d) |
| 0:21:32.298947 | LOG | PULL\_RESP: Protocol version = 02, Token = 312a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1470300899, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AY6fgy3l7HiRYFCEdFtXwhupoAgPfxmj6EHx7pQ1hnUuoQMbOqeBuH5NoxxqamxLEtJEbkyyncBf8u2rVk9uyFjtAb2VEn0aat4m2UfeZKCuqj5hBzkZQ2PTqhe6DKUeBgFakwUiMhsT8klWRG2IbY4gEjjiQTqDdAfxtkD7v0zJf+0zCIeYCoCw8t+A1FihOBu6bhzHqVFzjAzu+5NQ6ldYGWnPyk4bLzEhWKDgInZQ9d26P3Pd6d9eQM/yVuaT2qTJq+0xt8MjaJCvkaVmme0gKtxJmPtgVJz+6rP98p1Fy16f6wf4icO4Ltil9e340cb4L1+ixsv09'}} |
| 0:21:32.298947 | LOG | Server --------------------> DUT |
| 0:21:32.298947 | LOG | TX\_ACK: 02 312a 05 aa555a0000240409 |
| 0:21:32.516967 | LOG | PULL\_DATA: 02 f069 02 aa555a0000240409 |
| 0:21:32.516967 | LOG | PULL\_ACK: 02 f069 04 |
| 0:21:37.187345 | LOG | PUSH\_ACK: 02 1604 01 |
| 0:21:37.187345 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1604, Identifier = 00, JSON = {'rxpk': [{'tmst': 1473143509, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AYgTgb7aSDSnP'}]} |
| 0:21:37.187345 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0462, FOpts: ), FPort: e0, FRMPayload: 03cf, MIC: 920d29cf) |
| 0:21:37.187345 | LOG | Server <-------------------- DUT |
| 0:21:37.187345 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a764, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7554a8f1) |
| 0:21:37.187345 | LOG | PULL\_RESP: Protocol version = 02, Token = 1974, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1475143509, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AZKfggGpsx9QgEPAvIea651yv+uNncthMhUTDVCtJDQ9J+4CyTJJgz6JJIj/tVBO6lPGPC6sO+OkBfryhn81bJxs6oto8B9fIo+5d2tpruBrpGkh3g7WRmtak3kaCerBh2jyyWoejgPEwAkYxJ4JLG8hz56URrI+sMIUIjUos+LDg1qgTQO7oZZ/yvLxeijKnLKXY2eeiMC/zHCQVuYNSaQC1w5scJ1jxzeZlM617G3nMCiGWDLn8tzMqzkn6gDIWbb+IgDW3k82SEf0vwCCIly8C24BhZeShfUu12Qx722Hqeg5p/4uW17ejubwV9JAHwsmrft51VKjx'}} |
| 0:21:37.187345 | LOG | Server --------------------> DUT |
| 0:21:37.187345 | LOG | TX\_ACK: 02 1974 05 aa555a0000240409 |
| 0:21:42.027612 | LOG | PUSH\_ACK: 02 1605 01 |
| 0:21:42.027612 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1605, Identifier = 00, JSON = {'rxpk': [{'tmst': 1477986117, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AYwTgv3buazTf'}]} |
| 0:21:42.027612 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0463, FOpts: ), FPort: e0, FRMPayload: 03d0, MIC: ee6b34df) |
| 0:21:42.027612 | LOG | Server <-------------------- DUT |
| 0:21:42.027612 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a765, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 33ccef54) |
| 0:21:42.027612 | LOG | PULL\_RESP: Protocol version = 02, Token = 989b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1479986117, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AZafg7EkNobZBSnMsVT4tw19nri+SmuhM6Dk0GUCQrwykYq088sghekwLffeoEn3xOiI8yRgldgxYklq9asVvThCJ0caVMxUSu38rGqBBC0Uuujsb/rrmkIpmKLmlMhvEnVcMDvMQ7en3riRDDl2WSk9IW600r5Yymn8yNEwICjJPF9QgeAW9NeE20H+4tnhdUGV+uzDTcj2WVU9REX0QgYGWtaNHTp2frLc6/4mCBBdEykUS0YxUtf/0kC6UtZkp5m+CyLCIS9Qqb3LlTxPTASy1ACNdcJ2JCkJniUE/zVUgtlz8ouF14oBIrMZ+1nPcoC33foQzzO9U'}} |
| 0:21:42.027612 | LOG | Server --------------------> DUT |
| 0:21:42.027612 | LOG | TX\_ACK: 02 989b 05 aa555a0000240409 |
| 0:21:42.667610 | LOG | PULL\_DATA: 02 a239 02 aa555a0000240409 |
| 0:21:42.667610 | LOG | PULL\_ACK: 02 a239 04 |
| 0:21:46.827156 | LOG | PUSH\_ACK: 02 1606 01 |
| 0:21:46.829209 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1606, Identifier = 00, JSON = {'rxpk': [{'tmst': 1482869219, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AZATgaXi4IQ86'}]} |
| 0:21:46.829209 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0464, FOpts: ), FPort: e0, FRMPayload: 03d1, MIC: b8210f3a) |
| 0:21:46.829209 | LOG | Server <-------------------- DUT |
| 0:21:46.829209 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a766, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0f18e08c) |
| 0:21:46.829209 | LOG | PULL\_RESP: Protocol version = 02, Token = 2e65, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1484869219, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AZqfg9Fw8fv7FHoz3Ffd8+13pT24f4xBeTfrlgpBXr72ZtTvHKeDuK3dGs6u9U1eqTRMq4M8r/QQ+lpdcsn70TKlyy4BlgwK4pB0Cu04jRfCofB0/qTPaLcPqNxI5HKcJ7/lEcilit6nbRN2du3GlID8vciWeGM56eq7TarI0TZjtwkL7FxfHjWWqQDO5AQSnzu3u+3DZ1cj2sKorsMZfDxhrzLbffqSsRKuLwtgSpXbkzsL6AVR40N8wO7rURb96YZ0/6bjqHa9Ql8nAKpxOjUhPC/rFada4slBNchMczXQEj5xwPJO57fAlxHPhaGZIEMtGWMkPGOCM'}} |
| 0:21:46.829209 | LOG | Server --------------------> DUT |
| 0:21:46.829209 | LOG | TX\_ACK: 02 2e65 05 aa555a0000240409 |
| 0:21:51.683243 | LOG | PUSH\_ACK: 02 1607 01 |
| 0:21:51.683243 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1607, Identifier = 00, JSON = {'rxpk': [{'tmst': 1487711770, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AZQTg/8XK+U+z'}]} |
| 0:21:51.683243 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0465, FOpts: ), FPort: e0, FRMPayload: 03d2, MIC: caf94fb3) |
| 0:21:51.683243 | LOG | Server <-------------------- DUT |
| 0:21:51.683243 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a767, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f910f731) |
| 0:21:51.683243 | LOG | PULL\_RESP: Protocol version = 02, Token = 1ae1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1489711770, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AZ6fge3sE3Atkmq9SuwRmyE5Xdds7ZsUzsjDqyyg2jtwwmtJD/2bibxnDGenXJX856Rr+TnuN3q4EjLgYrYsXzn1v1bG1ZD08OUZGu8sQpT8m50rEdyELK/BcgHsNqwaGToDMYF/geXcGz/yfEL0vkVRw1ljt+Hev8qSyxV3qSzYSyvp5T8XUv7JeZbqf8CG7/fcszMvrVsy8BSHceak3R0k+zT1zX+WH+8dJXrE6/iVOQrT374NTsciTbZAlQay6+Na9SHFgKwL3HP5j5Jhtfrlm1qsEkP3NU1666taj0OWcH3uh8pk3ivPIUHweqC7Zk6ZB9JL5EPcx'}} |
| 0:21:51.683243 | LOG | Server --------------------> DUT |
| 0:21:51.683243 | LOG | TX\_ACK: 02 1ae1 05 aa555a0000240409 |
| 0:21:52.727099 | LOG | PULL\_DATA: 02 1d2d 02 aa555a0000240409 |
| 0:21:52.727099 | LOG | PULL\_ACK: 02 1d2d 04 |
| 0:21:56.562503 | LOG | PUSH\_ACK: 02 1608 01 |
| 0:21:56.564527 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1608, Identifier = 00, JSON = {'rxpk': [{'tmst': 1492554416, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AZgTg76qMG3p1'}]} |
| 0:21:56.564527 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0466, FOpts: ), FPort: e0, FRMPayload: 03d3, MIC: 8c1b7a75) |
| 0:21:56.564527 | LOG | Server <-------------------- DUT |
| 0:21:56.564527 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a768, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: bafa7943) |
| 0:21:56.564527 | LOG | PULL\_RESP: Protocol version = 02, Token = b48e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1494554416, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AaKfgd6DPB442ooqSr+maONfwQGuOIYMusfckbls7ent7+Nr6cVrBlc1MHk5OYuPZo+1GH5l9tdeuewL/mAYaVYkW/WmQ02UEIIbJLTN700Cy98xqWk+ufh7FMQErg40Qzv8XhOo9K3iW+S8/PUF8kdf8JFnsloPK1h5fo4LjsVVAU3erduZGjMhPsnzO1K3MI2bkrVlrQ0A5INOkXl7pGcGLSunPUNxQIBl2v5tOifIgyFIbb/tuJ/6CYRHt0CuQg9ShKoy/4sAB/ECS4B43OJfM9+Cv6RJoFzF0lCt2RHsYs3tCS9WpbUoaHUDmJyHIswru9Tq6+nlD'}} |
| 0:21:56.564527 | LOG | Server --------------------> DUT |
| 0:21:56.564527 | LOG | TX\_ACK: 02 b48e 05 aa555a0000240409 |
| 0:22:01.415530 | LOG | PUSH\_ACK: 02 160a 01 |
| 0:22:01.415530 | LOG | PUSH\_DATA: Protocol version = 02, Token = 160a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1497396995, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AZwTgd5vmWZy3'}]} |
| 0:22:01.415530 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0467, FOpts: ), FPort: e0, FRMPayload: 03d4, MIC: e6599cb7) |
| 0:22:01.415530 | LOG | Server <-------------------- DUT |
| 0:22:01.415530 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a769, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: bd7fd0bf) |
| 0:22:01.415530 | LOG | PULL\_RESP: Protocol version = 02, Token = a4a0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1499396995, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AaafgclSYqov2pq25c/939JQcCzO/Tt6fUlg+8287Dm+9FHSv4kUCj+B9RoMDYe+gkRVHfQYJ0YT3dU0Uvjpslosjsh8yu+KlNXvGUDwgTAlw2csoxUAtd15ebVLeMwtPyGHujpaiv5HVKKx3ULI58EpnvRdzfnw422bRpps55a9icX127B4KLRvLkcfa24NBfv9hvQBtT20N4dyw0zAP+fXL9/mxicbKM8ZP2qP67/UmLQNe96d0p0s+bU8GWI4StpzO5lzc5m8SOFRSFxI6XdcvUwBIi6fexKsIEfjSSIWHOXA+oj454defTw3jl1602aGjILu9f9C/'}} |
| 0:22:01.415530 | LOG | Server --------------------> DUT |
| 0:22:01.415530 | LOG | TX\_ACK: 02 a4a0 05 aa555a0000240409 |
| 0:22:02.872349 | LOG | PULL\_DATA: 02 b812 02 aa555a0000240409 |
| 0:22:02.872349 | LOG | PULL\_ACK: 02 b812 04 |
| 0:22:06.223171 | LOG | PUSH\_ACK: 02 160b 01 |
| 0:22:06.223171 | LOG | PUSH\_DATA: Protocol version = 02, Token = 160b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1502239539, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AaATgvHvynaKE'}]} |
| 0:22:06.223171 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0468, FOpts: ), FPort: e0, FRMPayload: 03d5, MIC: f29da284) |
| 0:22:06.223171 | LOG | Server <-------------------- DUT |
| 0:22:06.223171 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a76a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9fc02a04) |
| 0:22:06.223171 | LOG | PULL\_RESP: Protocol version = 02, Token = 094a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1504239539, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Aaqfg+u/k7o3e3M1/R2iPM98q+wPcjIirV6i+2QtKIst261rqubzpfLnTCXl28jwtRIRdKjS6ATv/OZVnYGniMkSEnbiOJyjDsYmctmqNrMZObsxh+PWJSAP7Nq4410ZZ8BfI3ZhY6bjVBq9Ll0pHdbxHoP4KMKb+ZlSWoqBdV6knXEFUBEZEa4U7+H/vRbwae458y/JdJEu4Hl5ZB3O2HLRm+gUhwaE4HsWP4npHh+TJW1JjRsDyGLsRSOGXfPeRysMJw1RwQsvETi2gFoXaF2V3GPVFrpb/oJddabP4bJ78QAy+RhFpbh+iPXlbTu2RuQilyJ2fwCoE'}} |
| 0:22:06.223171 | LOG | Server --------------------> DUT |
| 0:22:06.223171 | LOG | TX\_ACK: 02 094a 05 aa555a0000240409 |
| 0:22:11.040356 | LOG | PUSH\_ACK: 02 160c 01 |
| 0:22:11.040356 | LOG | PUSH\_DATA: Protocol version = 02, Token = 160c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1507082156, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AaQTgbm6jmGs1'}]} |
| 0:22:11.040356 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0469, FOpts: ), FPort: e0, FRMPayload: 03d6, MIC: a3986b35) |
| 0:22:11.040356 | LOG | Server <-------------------- DUT |
| 0:22:11.040356 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a76b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f25f84ac) |
| 0:22:11.040356 | LOG | PULL\_RESP: Protocol version = 02, Token = 32ad, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1509082156, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Aa6fg3S8IfmVU8MF0pgVTch+MM9hpTkqDkZ2NXKbuMwUje0v91KZTHylIpPHFLIz/HeKz54kjgjbSHBgzPT42gWls3mcDOHOLtJ6NajixNKA8YAWTYZ+K4AVzBiV1ycECrlNTy351O0FsDXXXQ7cMXI6bWVOpdMKOyxC/NolPoMcHWhw2uRznbjxSOWYopwBfboEtiepLKpt2b8p5Lxiw+ay0r5Yi3Cz056ZDWGdIU+F6YVflr5bW/N3TIceSarQkVDBP5WmDJJQ0BgilPOZxJ3fZQao9vBHl7e3mgD7znoibwUQxkOEKOU+S4gjJuyQ93AICus3yX4Ss'}} |
| 0:22:11.040356 | LOG | Server --------------------> DUT |
| 0:22:11.040356 | LOG | TX\_ACK: 02 32ad 05 aa555a0000240409 |
| 0:22:12.894061 | LOG | PULL\_DATA: 02 8072 02 aa555a0000240409 |
| 0:22:12.894061 | LOG | PULL\_ACK: 02 8072 04 |
| 0:22:15.894813 | LOG | PUSH\_ACK: 02 160d 01 |
| 0:22:15.894813 | LOG | PUSH\_DATA: Protocol version = 02, Token = 160d, Identifier = 00, JSON = {'rxpk': [{'tmst': 1511924747, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AagTgJVXSTDAw'}]} |
| 0:22:15.894813 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 046a, FOpts: ), FPort: e0, FRMPayload: 03d7, MIC: d24c3030) |
| 0:22:15.894813 | LOG | Server <-------------------- DUT |
| 0:22:15.894813 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a76c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 71c4533f) |
| 0:22:15.894813 | LOG | PULL\_RESP: Protocol version = 02, Token = b32a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1513924747, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AbKfgvFIlXMEHzqKgA+AKKqXfZWbJ1NXJytQhsuPVF43WSfet84RSY0orc2o+hU3HGkIGZtD1oRxjJm/btJKH3mZeoahCQJzz+qUWWxqDPrcLc8ECtbHlDReqEgrvX9J8zBvFa4VwFAefmEV4VMqJuKhWmKXFx0I5FIGT2pVvVNMnj0kq7p1SFLJkjOACNlF62pfGKlcTrR1Br9e1TVZ8K2v40xvGxIf35FXokfKiKU0Q4gNyV4F12FCjx6OlQ4KbUwSdu8yEnl6w9E4Al6Nj+wPA3gnhG8245gyug7rwI72DqBSt7StN+kxUhVNLh+9qbgWvOuVxxFM/'}} |
| 0:22:15.894813 | LOG | Server --------------------> DUT |
| 0:22:15.894813 | LOG | TX\_ACK: 02 b32a 05 aa555a0000240409 |
| 0:22:20.723149 | LOG | PUSH\_ACK: 02 160e 01 |
| 0:22:20.725167 | LOG | PUSH\_DATA: Protocol version = 02, Token = 160e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1516767323, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AawTggqOSFs4L'}]} |
| 0:22:20.725167 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 046b, FOpts: ), FPort: e0, FRMPayload: 03d8, MIC: 9216ce0b) |
| 0:22:20.725167 | LOG | Server <-------------------- DUT |
| 0:22:20.725167 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a76d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1ed75df8) |
| 0:22:20.725167 | LOG | PULL\_RESP: Protocol version = 02, Token = a082, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1518767323, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AbafgA0z8H9FebXDhY6mIvBCLpIj1kfcI7+zpG8v8fZp0UUOtizfzZtnC1b5qVW7S4q8EcNY8fc+EYDfX5jQxmLhqNV+Lhien91FZGk9L9iNkctoifzig6mXyDj+GjSUpJuMd5C70lmQZIySf1QYQCxuweKcevCRq1O3BzuKXtUAtrnmolPT73GcsqRlzNU3FMOlqQfyvvM+ZnaLaVlWaMO6fyCiB6JS3TKLDPU+3wrnpGWcFYo0CrsFV1pzL/sDzsVUtGQ3sLZ8ogtJe4s3aV18YBqmO2W7sn2MMQCDqabn0mk86YZKgRck52p/Cgq8CokdXVvQe1134'}} |
| 0:22:20.725167 | LOG | Server --------------------> DUT |
| 0:22:20.725167 | LOG | TX\_ACK: 02 a082 05 aa555a0000240409 |
| 0:22:22.976361 | LOG | PULL\_DATA: 02 dd0c 02 aa555a0000240409 |
| 0:22:22.976361 | LOG | PULL\_ACK: 02 dd0c 04 |
| 0:22:25.654460 | LOG | PUSH\_ACK: 02 160f 01 |
| 0:22:25.654460 | LOG | PUSH\_DATA: Protocol version = 02, Token = 160f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1521650571, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AbATgS6DbtZYR'}]} |
| 0:22:25.654460 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 046c, FOpts: ), FPort: e0, FRMPayload: 03d9, MIC: dbb59611) |
| 0:22:25.654460 | LOG | Server <-------------------- DUT |
| 0:22:25.654460 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a76e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e9eec70b) |
| 0:22:25.654460 | LOG | PULL\_RESP: Protocol version = 02, Token = de8c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1523650571, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AbqfguZFvHbrQkPos/ZwsaFr/rSkB7IbMkw8DZfXgrT1Z0+DrUIY96Fo2j3QoiFhxOSsHZWgrWk/RbhjiPAXOu+qN0t38qcGBGbr0Y85zm3I5tUpRTn133Rmq79AX/mc3zxsBa9IcLaGzTZsH5COy1xwI1Ziqkw+3AIhmvKahwu/K4z++ONsZGrOtn2j+JXLb9Gm+s2mjBiQcwNrBrJVvrdV0z22iSNA2xRlnqtZvhmVsGMYqkcc/8Hc8Ww19Hcv/xFVwd2xbim+pEoe1BIN4vm9jeksPbM68x8FmWRVJFILnzEZ02nOP4nhQgBMp9lXvkYoqxBfp7scL'}} |
| 0:22:25.654460 | LOG | Server --------------------> DUT |
| 0:22:25.654460 | LOG | TX\_ACK: 02 de8c 05 aa555a0000240409 |
| 0:22:30.505471 | LOG | PUSH\_ACK: 02 1611 01 |
| 0:22:30.505471 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1611, Identifier = 00, JSON = {'rxpk': [{'tmst': 1526493219, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AbQTgOFmpi/Jm'}]} |
| 0:22:30.505471 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 046d, FOpts: ), FPort: e0, FRMPayload: 03da, MIC: a98bf266) |
| 0:22:30.505471 | LOG | Server <-------------------- DUT |
| 0:22:30.505471 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a76f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f5cac5d9) |
| 0:22:30.505471 | LOG | PULL\_RESP: Protocol version = 02, Token = fbd4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1528493219, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Ab6fgnsPEM3m/R/NdhnWDrzzy1HOvoGSpuKQfClePNE9pep9D5ZXUAYREcqykCBHU9kleXeXPbveTNI3TerC274UdnZfisDPMuadh2bmVxo+0oNaa8nvqAlRpBjKdthttwWOjvkFT0i3YHyCXSNh/2TbibCUj/hEzyOW2EsGejxCBigMemWc0U443ANxzjqnOoXsTcEuARhnrxPvMymYEFQjLo/nDFlPXrCcPg0TOpd+b7XSOoC7pfVh5ZGXwpkqhecPH/AxjniUbXs0FN0NGEBIzK9pla1zivlkRwqNwTPTvxQwB8IbaEuZa1pscc/hMrl6LO6n1ysXZ'}} |
| 0:22:30.505471 | LOG | Server --------------------> DUT |
| 0:22:30.505471 | LOG | TX\_ACK: 02 fbd4 05 aa555a0000240409 |
| 0:22:33.183511 | LOG | PULL\_DATA: 02 9c42 02 aa555a0000240409 |
| 0:22:33.183511 | LOG | PULL\_ACK: 02 9c42 04 |
| 0:22:35.344891 | LOG | PUSH\_ACK: 02 1612 01 |
| 0:22:35.346923 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1612, Identifier = 00, JSON = {'rxpk': [{'tmst': 1531335801, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AbgTgcMSPXIn5'}]} |
| 0:22:35.346923 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 046e, FOpts: ), FPort: e0, FRMPayload: 03db, MIC: 8f5c89f9) |
| 0:22:35.346923 | LOG | Server <-------------------- DUT |
| 0:22:35.346923 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a770, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3b9d5e52) |
| 0:22:35.346923 | LOG | PULL\_RESP: Protocol version = 02, Token = 09dd, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1533335801, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AcKfgkOubflfLhC6NosPDkybknGn2GOi2JaLBInTFoVt2jI2hRQuib5waXKfjXUaX8yKR9gc6/hfO9yYO9zNClM2WGtPh+fy3fZpg2+haAvgF8GvV+w2qrdR9D8ie4+MCfHh0fOlaTJQEEZFibNNCue2G3H3IoJj8jeLiLaQtYS8yFUMPics9MYI/w2K+5iEOyhYIWryLsD6E9c07k4aldTc4aaerwaLKvYsMSwP4lN7owNSUdeO5WIUoBvv5eR3M0/u/b/QnuGQ60fUPB72OFUKVHsQZgDqtcEy2XS9K7j7+BmdROerubGohH0ckA5ila9Uty8Y7nV5S'}} |
| 0:22:35.346923 | LOG | Server --------------------> DUT |
| 0:22:35.346923 | LOG | TX\_ACK: 02 09dd 05 aa555a0000240409 |
| 0:22:40.149472 | LOG | PUSH\_ACK: 02 1613 01 |
| 0:22:40.151605 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1613, Identifier = 00, JSON = {'rxpk': [{'tmst': 1536178386, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AbwTgiTWnOLPG'}]} |
| 0:22:40.151605 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 046f, FOpts: ), FPort: e0, FRMPayload: 03dc, MIC: a738b3c6) |
| 0:22:40.151605 | LOG | Server <-------------------- DUT |
| 0:22:40.151605 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a771, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 53e6e9a7) |
| 0:22:40.151605 | LOG | PULL\_RESP: Protocol version = 02, Token = f9b2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1538178386, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AcafgfJGf5lE7ssJMyk8Kg6eUt4/IkJboZ95pYmQhCQUKsvAQjklYA9UfCoz9CoG2yM+CAvwifkBwV2/JFPfivhc+taEzQI155gLDi68B9yjcpALNHh/fc1sU32PX1TV/H6ZFG1wKgZ8T5ts7DtGUIXopN15vmf/2UFjE1OcTScqnCTkwy448GgvLPZQ0yohgUkIl6V8fW/MnPKBRksrABP9921+c72A2KEYUyaKQqPutTS7AMVZT2lqSej4pbN7689thc2tYGv3Z/ip/OZROcgY7kDZP1IZF7GRji3onT7ShWHHXO89jer+FIJfRq/REqF0QBrdT5umn'}} |
| 0:22:40.151605 | LOG | Server --------------------> DUT |
| 0:22:40.151605 | LOG | TX\_ACK: 02 f9b2 05 aa555a0000240409 |
| 0:22:43.218936 | LOG | PULL\_DATA: 02 3faa 02 aa555a0000240409 |
| 0:22:43.218936 | LOG | PULL\_ACK: 02 3faa 04 |
| 0:22:45.000533 | LOG | PUSH\_ACK: 02 1614 01 |
| 0:22:45.000533 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1614, Identifier = 00, JSON = {'rxpk': [{'tmst': 1541021035, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AcATgSlqt/NFN'}]} |
| 0:22:45.000533 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0470, FOpts: ), FPort: e0, FRMPayload: 03dd, MIC: adfcd14d) |
| 0:22:45.000533 | LOG | Server <-------------------- DUT |
| 0:22:45.000533 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a772, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f1ae13e0) |
| 0:22:45.000533 | LOG | PULL\_RESP: Protocol version = 02, Token = b4a0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1543021035, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AcqfgE/byKcS3FAK+yBf7re+XqsvK+4PVAkNLsFtRIIDxeH5d+8DElM+Glm3CvNdCApwTgnDqw5wTdf/j6ZBfKCVmZbdoMtyQLU12wRKtNUS7X7N6saeEAFy13aAPnZKP10nmuxyszafThFMUErP0T2LunemeHrHbH/wq35vRCOvopH6hbE/Rj4EubzlRK0y8FdHhFh/HdIeQq1HkxJotBLT1IAsBGfh2Z/dHzNyOKBWJa3O/yw+5EtZ10ahzCvb13k3Js4dyPAYBenfJW9W+Yq0ktX67aPmfn9owVt43zIxnbVrmDwW06HWh45RMhdZqMBexaNDxrhPg'}} |
| 0:22:45.000533 | LOG | Server --------------------> DUT |
| 0:22:45.000533 | LOG | TX\_ACK: 02 b4a0 05 aa555a0000240409 |
| 0:22:49.825511 | LOG | PUSH\_ACK: 02 1615 01 |
| 0:22:49.825511 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1615, Identifier = 00, JSON = {'rxpk': [{'tmst': 1545863667, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AcQTgepsy4GCY'}]} |
| 0:22:49.825511 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0471, FOpts: ), FPort: e0, FRMPayload: 03de, MIC: 32e06098) |
| 0:22:49.825511 | LOG | Server <-------------------- DUT |
| 0:22:49.825511 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a773, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 13506c5e) |
| 0:22:49.825511 | LOG | PULL\_RESP: Protocol version = 02, Token = fc7a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1547863667, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Ac6fgPvIQocI7S702aFobOXFoAfL+EMIWYEL/Vb5b7V0Fltw4aIEdDmrnS6PQm1SsCeUQhX00uyRtRfeKJ/tur0ntQvuaThZN2hC8Vn3XTn1sbRTRmB/PCfjaQ+zFZUzryNGMx0ZmHCo5lQFwIPrVPbhEmpRGDoGOnDj05fKHtvaABgOW+ECOgqymFw+lfiLGZ0AbqD6W4Gt3x0QE/CqNNRd2PU3Ws1Q8UULK3ZCyrwtEakOfXMCp5eTckUiX14j+yYNT2paOiQuyMk5g8kO/3cDPBpE0hcr4UcDYu1euHsEJklo/PfRe1HqY1d8orn+6rAgGGsQTUGxe'}} |
| 0:22:49.825511 | LOG | Server --------------------> DUT |
| 0:22:49.825511 | LOG | TX\_ACK: 02 fc7a 05 aa555a0000240409 |
| 0:22:53.325772 | LOG | PULL\_DATA: 02 b560 02 aa555a0000240409 |
| 0:22:53.325772 | LOG | PULL\_ACK: 02 b560 04 |
| 0:22:54.738308 | LOG | PUSH\_ACK: 02 1616 01 |
| 0:22:54.738308 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1616, Identifier = 00, JSON = {'rxpk': [{'tmst': 1550706458, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AcgTgiKAeyXIe'}]} |
| 0:22:54.738308 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0472, FOpts: ), FPort: e0, FRMPayload: 03df, MIC: 1ec9721e) |
| 0:22:54.738308 | LOG | Server <-------------------- DUT |
| 0:22:54.738308 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a774, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b54b4e30) |
| 0:22:54.738308 | LOG | PULL\_RESP: Protocol version = 02, Token = cc78, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1552706458, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AdKfgUfEt+wd87ocBmeeYy31J5upM3LY+gXydIKmtQhlbyCbd88af7IzJabwJuZaInZ7suaKFzrWQslPPbbk4jURGeM4105C1jYIQfjEVoFkQ08/zUQphFmRp8+gROA/51zBAE01JWt/ZZQpJ4Y0jcm+Am76NAldDPi4BGbCLJYDCrQAp8rpglMJRvln1s2AKmohjhonSie7hzzxOy+ovss25VVQ6rBnDIanzQdXOXYUvDGjnNjQTcLR4PXIBAqQ1/PuXqj/Abt6XdeRHBCyy3ToKL2gAAqZVWMgvW2hQ61HMac9ObhWCj0aKe/NfghrNACXbIue1S04w'}} |
| 0:22:54.738308 | LOG | Server --------------------> DUT |
| 0:22:54.738308 | LOG | TX\_ACK: 02 cc78 05 aa555a0000240409 |
| 0:22:59.554344 | LOG | PUSH\_ACK: 02 1617 01 |
| 0:22:59.556393 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1617, Identifier = 00, JSON = {'rxpk': [{'tmst': 1555549066, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AcwTgnEl8mrqX'}], 'stat': {'time': '2021-08-03 21:07:48 GMT', 'rxnb': 6, 'rxok': 6, 'rxfw': 6, 'ackr': 85.7, 'dwnb': 6, 'txnb': 6}} |
| 0:22:59.556393 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0473, FOpts: ), FPort: e0, FRMPayload: 03e0, MIC: 7c9aba97) |
| 0:22:59.556393 | LOG | Server <-------------------- DUT |
| 0:22:59.556393 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a775, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 90da7a1b) |
| 0:22:59.556393 | LOG | PULL\_RESP: Protocol version = 02, Token = 23c0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1557549066, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AdafgYiI5bW5GvivQkyPA1e4xnRAqm6ooK+5bXDOnqoiuwF3Wp1MOC66aTcBY+CsQTGAWPxcVNIllU3fWb8yWB4/ibMslggk9jXD/Uo/14Jwz72E5D7+FJBPtqvpV2mWBia7WGzIGqFVFu8rDoD0eyhS/FijvaVGEoBuON2Pup6Z6yxuHWMFMc/AD4OazD0H/xnXpIsquERkU6U17kTl7nSMYNhtPvuDVUevBhjLVh3TH6FA1j5Y465DHxRRuw7nH+33+aAU0Aw8baMyl5fTxSFU56UIVVIIgMgSJ7oi6WnqM+FCUpMSsIyv8ZXpxnRXDg7WqW7mQ2nob'}} |
| 0:22:59.556393 | LOG | Server --------------------> DUT |
| 0:22:59.556393 | LOG | TX\_ACK: 02 23c0 05 aa555a0000240409 |
| 0:23:01.373592 | LOG | Cannot unpack the message |
| 0:23:03.459869 | LOG | PULL\_DATA: 02 ebd7 02 aa555a0000240409 |
| 0:23:03.459869 | LOG | PULL\_ACK: 02 ebd7 04 |
| 0:23:04.472241 | LOG | PUSH\_ACK: 02 1619 01 |
| 0:23:04.472241 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1619, Identifier = 00, JSON = {'rxpk': [{'tmst': 1560432121, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AdATggKZ438W8'}]} |
| 0:23:04.472241 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0474, FOpts: ), FPort: e0, FRMPayload: 03e1, MIC: 78dfc5bc) |
| 0:23:04.472241 | LOG | Server <-------------------- DUT |
| 0:23:04.472241 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a776, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0684df00) |
| 0:23:04.472241 | LOG | PULL\_RESP: Protocol version = 02, Token = b3e5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1562432121, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AdqfgPb+qH7WLBCE0uO5HFARzLx9QF0bURH5176b4gZwGNzxGBxDUudskG2htkpRBCNUCAl6xrrfO0bhW+JDInOBJu3wZ871KtiBqTrXUD1n/F0wLXkFZS6Y4bIRdCAnHl4O1JU+np+Wmx96xH6cJSV+UUZHm438p4rFACIZgFYs7HBkDJbC0KFOBWcpVUqlXbDlMuAt+SAovi4dkXkYFE8/+OVJSg5cgwFlpBll5N68lAf83ZDddxPV4uI+XKQg7nMM8Qdzt/EWk2rIZ973PJIJpl259k/Zho9BMiKoykjUL+X8QHnJFY4LYy5s68wCwbruxroYGhN8A'}} |
| 0:23:04.472241 | LOG | Server --------------------> DUT |
| 0:23:04.472241 | LOG | TX\_ACK: 02 b3e5 05 aa555a0000240409 |
| 0:23:09.265923 | LOG | PUSH\_ACK: 02 161a 01 |
| 0:23:09.267984 | LOG | PUSH\_DATA: Protocol version = 02, Token = 161a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1565274795, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AdQTgvteqniVC'}]} |
| 0:23:09.267984 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0475, FOpts: ), FPort: e0, FRMPayload: 03e2, MIC: aa9e2542) |
| 0:23:09.267984 | LOG | Server <-------------------- DUT |
| 0:23:09.267984 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a777, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 2d8bfbf3) |
| 0:23:09.267984 | LOG | PULL\_RESP: Protocol version = 02, Token = 7ce7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1567274795, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Ad6fgMmunTaGaM+fP2H5RdUIDgvYVdM9fiMcMMKvgktTD+f5k1ReNlpucJ/R9+lzIncyy2YELUHfPEU/iggVhVI9KKYRiAugjM6tUes0CWsTiPS/+LUIp+4pZN1uwRryzv3aPnpkSfUxg3PdzjvdwJbxC8WCc6fTZuKP+bdMqDzlV3CCNzTafKi7Dm3o+e7P1WLcxHGOXRKhXh7QOVgqQZ5UwTDAcyvpTgCLBAKWJolWWgOQcLVV95YSuIMd/5xnbgW+MabZJBnzT9nD1lZJc3w6XBMrKyXb7oHUonYs3ZaueXAHdhefDsbTfykwydqOzTl9F6ncti/vz'}} |
| 0:23:09.267984 | LOG | Server --------------------> DUT |
| 0:23:09.267984 | LOG | TX\_ACK: 02 7ce7 05 aa555a0000240409 |
| 0:23:13.600062 | LOG | PULL\_DATA: 02 d836 02 aa555a0000240409 |
| 0:23:13.600062 | LOG | PULL\_ACK: 02 d836 04 |
| 0:23:14.113497 | LOG | PUSH\_ACK: 02 161b 01 |
| 0:23:14.115544 | LOG | PUSH\_DATA: Protocol version = 02, Token = 161b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1570117371, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AdgTgVZ6X+hsN'}]} |
| 0:23:14.115544 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0476, FOpts: ), FPort: e0, FRMPayload: 03e3, MIC: 97fa1b0d) |
| 0:23:14.115544 | LOG | Server <-------------------- DUT |
| 0:23:14.115544 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a778, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fca5bfbb) |
| 0:23:14.115544 | LOG | PULL\_RESP: Protocol version = 02, Token = bcb4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1572117371, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AeKfg9HXVZiCTv/wKYPNk9WqnlQLwPiYNdkZbvxbUOfEcbD3837t+Y6ubpU6nb8xtfTt+yrOEbw0I8oOF1yIEmLMAyHFRfCORu5gdrAxj1pWBnU8hXtYcpS/+w1GYtP0qFuGx+Fkio+v+0E0VW+7+Ihu1H4WixsHZBL/WxoOkvyQKUdWGyNGQQR6uHc+lNTONfEBTBdnWOn89ks675iDeIdS2JTBRHxAgqujAqMEjBeBM35LfZGP319UhYmNnkQyciEJ/RQykTAUlV5CvrQOUfgnL3STanTKV3d7WxVfAgpT2reobfNUTqE+7/5gITvxCip8TpNH8pb+7'}} |
| 0:23:14.115544 | LOG | Server --------------------> DUT |
| 0:23:14.115544 | LOG | TX\_ACK: 02 bcb4 05 aa555a0000240409 |
| 0:23:18.931619 | LOG | PUSH\_ACK: 02 161c 01 |
| 0:23:18.933661 | LOG | PUSH\_DATA: Protocol version = 02, Token = 161c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1574960004, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AdwTgFfUtSGIC'}]} |
| 0:23:18.933661 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0477, FOpts: ), FPort: e0, FRMPayload: 03e4, MIC: 2d486202) |
| 0:23:18.933661 | LOG | Server <-------------------- DUT |
| 0:23:18.933661 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a779, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: da6b55da) |
| 0:23:18.933661 | LOG | PULL\_RESP: Protocol version = 02, Token = d553, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1576960004, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Aeafg4az+KOAKN7nKz/2Iyba3TEDUDy2meBG08aytiF7pkktkOt7wErg5jeX0hRk4MKhShcPydJGj2sfk316BhHo+6olP1Q5JfoqFfD5EhwC1VzDf569KJazG5wqDjf1VTw2Hx2cEiEbolp4lJRX0VpmTYpueArxbFAS9kGn2o9aMFG8U+iVdlNfp0CVtJp/fnZGmT2TBJ72Srn2nEIfgPpTSNATIQRKBBxr1LpdTmfO2Xjlw77ZpwXzLahF8wKF0GbX7sJ5NeMo0m5t1qv1F3R/6h6FJ7tCVE0kgu1y0g6CTjKTa15PYlvBto59ZNDhybKi715zaa1Xa'}} |
| 0:23:18.933661 | LOG | Server --------------------> DUT |
| 0:23:18.933661 | LOG | TX\_ACK: 02 d553 05 aa555a0000240409 |
| 0:23:23.720621 | LOG | PULL\_DATA: 02 ee7d 02 aa555a0000240409 |
| 0:23:23.720621 | LOG | PULL\_ACK: 02 ee7d 04 |
| 0:23:23.840656 | LOG | PUSH\_ACK: 02 161d 01 |
| 0:23:23.840656 | LOG | PUSH\_DATA: Protocol version = 02, Token = 161d, Identifier = 00, JSON = {'rxpk': [{'tmst': 1579802797, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AeATgVb2+hBS7'}]} |
| 0:23:23.840656 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0478, FOpts: ), FPort: e0, FRMPayload: 03e5, MIC: be8414bb) |
| 0:23:23.840656 | LOG | Server <-------------------- DUT |
| 0:23:23.840656 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a77a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e5febe29) |
| 0:23:23.840656 | LOG | PULL\_RESP: Protocol version = 02, Token = 0ab2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1581802797, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Aeqfgs8+nqTUZgzs/SmxVz2kWSChM3AMVevgawIxh8yu1z8Qr07oWeywRfYseU/g9ATGKhYjtm0NRluuQdRAQd+ssLdW7KqtfkbjqOqsW+dIyG0cKDQlGv2i+n2l/QUhhdf6TwSlDARfY2ouRFDktdibKapFQYGUqPIHwm3V13eh1U1ME6f7EGj68EWo+3MYWll1XY6OeT0wZuaQTZbZ6Y/bPtbinewxv8WbYZG52qhhLid7wF0sDkzhkjVLaE/9Pe8EjMFw20eKpZRUR9S7CsbFT4y/Y3nPCr3meytP8NS/FkSHfYVq4U4v5fFHUXbOZ+/hCN67l/r4p'}} |
| 0:23:23.840656 | LOG | Server --------------------> DUT |
| 0:23:23.840656 | LOG | TX\_ACK: 02 0ab2 05 aa555a0000240409 |
| 0:23:28.685564 | LOG | PUSH\_ACK: 02 161e 01 |
| 0:23:28.685564 | LOG | PUSH\_DATA: Protocol version = 02, Token = 161e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1584645397, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AeQTgaj+f4jIq'}]} |
| 0:23:28.685564 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0479, FOpts: ), FPort: e0, FRMPayload: 03e6, MIC: 9fe2322a) |
| 0:23:28.685564 | LOG | Server <-------------------- DUT |
| 0:23:28.685564 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a77b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: bc145331) |
| 0:23:28.685564 | LOG | PULL\_RESP: Protocol version = 02, Token = d0ba, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1586645397, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Ae6fgwn+N90WQzKi68TC8da9aoB0gqNInafASywCMuQVOoIAWOPz2h+7t44nz7msqOX8HhoygHpL6Xk0kLOs012V/5N5eWPvgQDOfral6IWax/Un/NRiMcDp/WEZLc9cS+ayqjIp2atHAc1vse8PWpWtOz5CmpYYMKkWi2sJPsFiE9L3sfN72QaAVL2iqgq70SI8cdMalibte9j/tPlnHyaArR5Jb8E96YzHLmH5yWQQHli9LcJMep+RpmfQhETiBsgk0Mpst4QB5iLqMuj7WZ/7niaIuR5d0gRdgz4vmb2HhNkXkA4PhhDZgty9XqkVBiZUCipy8FFMx'}} |
| 0:23:28.685564 | LOG | Server --------------------> DUT |
| 0:23:28.685564 | LOG | TX\_ACK: 02 d0ba 05 aa555a0000240409 |
| 0:23:33.475248 | LOG | PUSH\_ACK: 02 1620 01 |
| 0:23:33.477296 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1620, Identifier = 00, JSON = {'rxpk': [{'tmst': 1589487984, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AegTgV4ZZLVg4'}]} |
| 0:23:33.477296 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 047a, FOpts: ), FPort: e0, FRMPayload: 03e7, MIC: 592d5838) |
| 0:23:33.477296 | LOG | Server <-------------------- DUT |
| 0:23:33.477296 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a77c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 00df5a61) |
| 0:23:33.477296 | LOG | PULL\_RESP: Protocol version = 02, Token = f303, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1591487984, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AfKfg4mNwju99ffggsawEbPw0+x/VpxiKQdtd8SOWuQmcXRHw46yyGM59xRq8g3mMUwsy0l7FjVCcugT/zDCXk6vuRJyHk0mFBqtFgIfKHkwOnieOeDSd2GA17Fif1DafZ50QiNpd96Fv3u7TzmsMM13+mS7/YQN4wZEYpqw7FURl0Mtd9/MtRTfvMHCUOKj4EoBqF97I5VihDS2aP+gnItTiHxccSYbhU1ow8h0/Rwk21xvbES2saEEmTdxsxAY5m7dmGTwBB2ob/TbdFLsI4Ip/6QH46Wo5+o9sMF159LlV6bOnRVEvGBoPCs6hzqL/Z3+QHZQA31ph'}} |
| 0:23:33.477296 | LOG | Server --------------------> DUT |
| 0:23:33.477296 | LOG | TX\_ACK: 02 f303 05 aa555a0000240409 |
| 0:23:33.895379 | LOG | PULL\_DATA: 02 1b0f 02 aa555a0000240409 |
| 0:23:33.895379 | LOG | PULL\_ACK: 02 1b0f 04 |
| 0:23:38.318774 | LOG | PUSH\_ACK: 02 1621 01 |
| 0:23:38.318774 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1621, Identifier = 00, JSON = {'rxpk': [{'tmst': 1594330535, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AewTgaQ2t8XTI'}]} |
| 0:23:38.318774 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 047b, FOpts: ), FPort: e0, FRMPayload: 03e8, MIC: adf174c8) |
| 0:23:38.318774 | LOG | Server <-------------------- DUT |
| 0:23:38.318774 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a77d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 81be6204) |
| 0:23:38.318774 | LOG | PULL\_RESP: Protocol version = 02, Token = bc21, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1596330535, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Afafg3YXWnja+RjUYVCvIV3j496re7GpLfF7bls3u7uuc8iza0+rxyQA/zMbJWDmiwJFS5qJ3PteVcCtPNMUGPWa+cvtQA2TIvE29P0OaZPWhKLG0dYcbCfmsOwK2d2B68H4iWj8we3DdZ1+TaT50gkvfGfU9YWdxD7vzLVu8r/RUcDQYkI/pY4kMXhcmom0Hum5JyPhQRzhYWGzMxka+xss3Rkpyfhx4XOsHhGXYaTpMdMwNU7ke8a6GMW7uADhe5sUxkZUaHx5KqYZIFg6Nq0v/0aqWpSb37nc9GhDgshnXsD+mFDoUzg5lJF/NFMKuegDDUtCBvmIE'}} |
| 0:23:38.318774 | LOG | Server --------------------> DUT |
| 0:23:38.324676 | LOG | TX\_ACK: 02 bc21 05 aa555a0000240409 |
| 0:23:43.174925 | LOG | PUSH\_ACK: 02 1622 01 |
| 0:23:43.176945 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1622, Identifier = 00, JSON = {'rxpk': [{'tmst': 1599213654, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AfATgyRugQO1O'}]} |
| 0:23:43.176945 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 047c, FOpts: ), FPort: e0, FRMPayload: 03e9, MIC: a040ed4e) |
| 0:23:43.176945 | LOG | Server <-------------------- DUT |
| 0:23:43.176945 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a77e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 2f2e11ae) |
| 0:23:43.176945 | LOG | PULL\_RESP: Protocol version = 02, Token = 3231, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1601213654, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Afqfg5c+Ug7iV6lY8nQ2W/Z6DPQzrZSTgTZOEBrDaySUnInQK2sEqWtr2odUkySajCygXeFWaR8l7Wm4uafY6wRN81UxqKPHrTNyCmyHNduUBd04AbznM7gBDotUMlY5P0qaZs2hKHIIthPLjUVrXeCGLPzzpjfjrpHDMV/o0tcr6BkA3QVQIF+v97jG6zK9YFPZ+C4zIfwcQMNqHuMECjfFRTEk8SG32KRuuGWTTDtR14aA9KaLS3Ma91MFymnAALBYynByiBQWSfj7P8ldhy1rkeGf1kcTAokHcgs8DM3y+DiIWil3sjMp4JYvlVJZOSm/W+8wvLhGu'}} |
| 0:23:43.176945 | LOG | Server --------------------> DUT |
| 0:23:43.176945 | LOG | TX\_ACK: 02 3231 05 aa555a0000240409 |
| 0:23:44.007592 | LOG | PULL\_DATA: 02 ba53 02 aa555a0000240409 |
| 0:23:44.007592 | LOG | PULL\_ACK: 02 ba53 04 |
| 0:23:48.016666 | LOG | PUSH\_ACK: 02 1623 01 |
| 0:23:48.018751 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1623, Identifier = 00, JSON = {'rxpk': [{'tmst': 1604056238, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AfQTgAi6wwrYY'}]} |
| 0:23:48.018751 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 047d, FOpts: ), FPort: e0, FRMPayload: 03ea, MIC: b0c2b618) |
| 0:23:48.018751 | LOG | Server <-------------------- DUT |
| 0:23:48.018751 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a77f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 21e10f90) |
| 0:23:48.018751 | LOG | PULL\_RESP: Protocol version = 02, Token = 5424, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1606056238, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Af6fg17kEnfFpjHU3ILvKa4QwlcU9nHVt4Q0rla6BKlNOlcjoyPeBR6VhFzScIEodYAsD+wM32M3ftvIYxdVdJ8LkotOZXVRqyF3HBa+9d1FAnLZbgzXzjh6jqSf+31ql6ppdpShMlfjMm6EYk562gUN8d8WJHyHHEcUXveraJegBwjyIylx3zP4H2jwVZPCDPVkmYUET/YJ10zq2HUTba9MKaGAuRr/mlb5Vl3fGt6rZDl4JaaJu9/E5tmoM61NUeM7WDH11BOhQyLnLQAYsKXM4cNrqkPuTCcHzXIHHgJ1ybmwXF1UfR8E0os101I/EbS9/Zmwh4Q+Q'}} |
| 0:23:48.018751 | LOG | Server --------------------> DUT |
| 0:23:48.018751 | LOG | TX\_ACK: 02 5424 05 aa555a0000240409 |
| 0:23:52.875434 | LOG | PUSH\_ACK: 02 1624 01 |
| 0:23:52.875434 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1624, Identifier = 00, JSON = {'rxpk': [{'tmst': 1608898804, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AfgTgfpawPcqC'}]} |
| 0:23:52.875434 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 047e, FOpts: ), FPort: e0, FRMPayload: 03eb, MIC: b03dca82) |
| 0:23:52.875434 | LOG | Server <-------------------- DUT |
| 0:23:52.875434 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a780, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e618f5bc) |
| 0:23:52.875434 | LOG | PULL\_RESP: Protocol version = 02, Token = 24ef, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1610898804, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AgKfgEZgSd0uBuIIZtNndGMtwcs/QLACGQJzqlfPlvHxAgLXaqZRnJLtMyqOG/5zD9gyuWOj9bXynobaW4zOTxTw6rjaGbHIdXy1+aA7XUfTdAt6OnAn7N0HmQu0mMpTDafuVRf2gTfSzmV6zZd2lyYn5p7iwiPmhFNtYzltaCPWdcixujeMygBS/MhprB6psAREjDv2bgthbiyOfXWegtMl3F+Vbs3SBZfWcoSxFnZ0MMzk18q3mZ7vF4sotybUWwWAT5QjIpvrEBKH0Br8KubX5cAV96UTuAardlO0s1rhtl3gb78dGiSCj3dV/9BCxOjUmyvDmGPW8'}} |
| 0:23:52.875434 | LOG | Server --------------------> DUT |
| 0:23:52.875434 | LOG | TX\_ACK: 02 24ef 05 aa555a0000240409 |
| 0:23:54.118464 | LOG | PULL\_DATA: 02 2686 02 aa555a0000240409 |
| 0:23:54.118464 | LOG | PULL\_ACK: 02 2686 04 |
| 0:23:57.765914 | LOG | PUSH\_ACK: 02 1625 01 |
| 0:23:57.765914 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1625, Identifier = 00, JSON = {'rxpk': [{'tmst': 1613741586, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AfwTg8y2N+d2e'}]} |
| 0:23:57.765914 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 047f, FOpts: ), FPort: e0, FRMPayload: 03ec, MIC: 8df9dd9e) |
| 0:23:57.765914 | LOG | Server <-------------------- DUT |
| 0:23:57.765914 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a781, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4873f588) |
| 0:23:57.765914 | LOG | PULL\_RESP: Protocol version = 02, Token = 648b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1615741586, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AgafgVzvVUnfYW2HVPfu1iK6TFc1aLMHis3JWRZoVgsQXdnSQiEmCqgE5ZsMTt6z7U8p6D5yDu6eGWb1nhT30a330iTer+NJ2VjOM4+fUZVluo2Gexfe/Rz1rfBOKJ8tbEGv0sEBjhoyEIDOQVMv41o5ubS5GryGq68DhkxWlyDLbvaBoqAsw9mdvUSE6Smb2DokZxKSpK9nJjdmva3YTP/NLJAKRo6Y9rX7n2szyeZf64sceCoVElMMXQTBMbUVOG1d7Zkyj2I6Q46u5QcNYMYtMN9Ksu7YoMUze/AFWFYbZ80y765XC3D5duVCZuNr1fe6N/oRIc/WI'}} |
| 0:23:57.765914 | LOG | Server --------------------> DUT |
| 0:23:57.765914 | LOG | TX\_ACK: 02 648b 05 aa555a0000240409 |
| 0:24:02.579434 | LOG | PUSH\_ACK: 02 1627 01 |
| 0:24:02.579434 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1627, Identifier = 00, JSON = {'rxpk': [{'tmst': 1618584186, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AgATgQLIFoSlW'}]} |
| 0:24:02.579434 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0480, FOpts: ), FPort: e0, FRMPayload: 03ed, MIC: 05a12956) |
| 0:24:02.579434 | LOG | Server <-------------------- DUT |
| 0:24:02.579434 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a782, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c5e93499) |
| 0:24:02.579434 | LOG | PULL\_RESP: Protocol version = 02, Token = 7bd9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1620584186, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Agqfga3dIwKmLq4h6lEbAZt03g/CBaXU8mJtSV4gEhoKI717tUkKF1HrTEPChn2GVFoqSVHRzCHKjfio/2oLMFAiuGqNwp+BF1jv6+1WVSv2wqMXtsHZrDDApwcfvvonQQdZWGataJaICVoynRyzpW2zEGjonTd+ljp9BnCNoumhx9xEZQ39Ye4geyTIZhxecDb0g63q3zXpIArKEdaoUKChpKP3fTLdz5Q/UKcICZmHAbnX+Rw3XlJlD5N6tMLdLV/TbCaEYkMwub6+t0vww3YNTujpXofD9qQkNgy5lUsPAqcx+QtXlbz458KZlo5GVj2gZrUDF6TSZ'}} |
| 0:24:02.579434 | LOG | Server --------------------> DUT |
| 0:24:02.579434 | LOG | TX\_ACK: 02 7bd9 05 aa555a0000240409 |
| 0:24:04.247747 | LOG | PULL\_DATA: 02 ccf7 02 aa555a0000240409 |
| 0:24:04.247747 | LOG | PULL\_ACK: 02 ccf7 04 |
| 0:24:07.395705 | LOG | PUSH\_ACK: 02 1628 01 |
| 0:24:07.397723 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1628, Identifier = 00, JSON = {'rxpk': [{'tmst': 1623426744, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AgQTg8BOZMfFa'}]} |
| 0:24:07.397723 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0481, FOpts: ), FPort: e0, FRMPayload: 03ee, MIC: 9931f15a) |
| 0:24:07.397723 | LOG | Server <-------------------- DUT |
| 0:24:07.397723 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a783, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b7645495) |
| 0:24:07.397723 | LOG | PULL\_RESP: Protocol version = 02, Token = 7ada, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1625426744, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Ag6fgrbGgWcMXECAMDeIbUF7NYv88vCzDxuP7MhkgyUeiExyemssIyl0GMN1HQeEW2WMVVOtMJsOpUGPxOsuh2OlMJe5YGQDXqLLDMGHHzYc6sCtpO4muiBs35d6tOtgmsz7ye+zOqiLEs9sF1WEwFnisdv12NQhB5mUIFiP4wj90QTkKODZym1l2h4v4g+CHFlUtAxVPYKBcuqHVxBAx0gZARzFLGXMJomd4sNagtaJy0ITrIU3AlYm65waT5bpdmCNKcR4QT8ISaew+wzvO2vs+nqR5g1OYClVuiB1DdDnAWGRSBQIqPGCdzC55DW9yCgFd8Se3ZFSV'}} |
| 0:24:07.397723 | LOG | Server --------------------> DUT |
| 0:24:07.397723 | LOG | TX\_ACK: 02 7ada 05 aa555a0000240409 |
| 0:24:12.259591 | LOG | PUSH\_ACK: 02 1629 01 |
| 0:24:12.261657 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1629, Identifier = 00, JSON = {'rxpk': [{'tmst': 1628269345, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AggTgkkHWVka2'}]} |
| 0:24:12.261657 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0482, FOpts: ), FPort: e0, FRMPayload: 03ef, MIC: d65646b6) |
| 0:24:12.261657 | LOG | Server <-------------------- DUT |
| 0:24:12.261657 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a784, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: aa2d0cda) |
| 0:24:12.261657 | LOG | PULL\_RESP: Protocol version = 02, Token = 4dae, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1630269345, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AhKfgKM4CegEoIaCrdKxLf2UbTQ+b+1HlkkKZ8slxsGI9AaZQy2hAvPFQPwle12bgp9mLmH7v0jNEyxmny3rkUg45x0/PGnUhBS0Zx9d93lwYEJqYSTUFS9pe99bS1TdkUUAdoLPiY0oauV89p82WjYyHDdPeMwCaUe0MOSpxZodN6CPkV1YT1pj4y0x6VQ2hPOcWa8+QjYBSFYXyiLWsoprigG3jl6dmIIgADJQu93h+d09ToTB5YdM2S1+7Bw9hk3y+R6Ygs0UiLL+7ASmLuOYjoajhxDuuefzbNT6sBjVMUsowFImXZMlCBkPxL0xER0jL89KqLQza'}} |
| 0:24:12.261657 | LOG | Server --------------------> DUT |
| 0:24:12.261657 | LOG | TX\_ACK: 02 4dae 05 aa555a0000240409 |
| 0:24:14.330049 | LOG | PULL\_DATA: 02 f23e 02 aa555a0000240409 |
| 0:24:14.330049 | LOG | PULL\_ACK: 02 f23e 04 |
| 0:24:17.067867 | LOG | PUSH\_ACK: 02 162a 01 |
| 0:24:17.069886 | LOG | PUSH\_DATA: Protocol version = 02, Token = 162a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1633111921, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AgwTgEqVp0w1p'}]} |
| 0:24:17.069886 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0483, FOpts: ), FPort: e0, FRMPayload: 03f0, MIC: 69d30d69) |
| 0:24:17.069886 | LOG | Server <-------------------- DUT |
| 0:24:17.069886 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a785, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0238d659) |
| 0:24:17.069886 | LOG | PULL\_RESP: Protocol version = 02, Token = 0c8a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1635111921, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AhafgIu1hM0vrAx5DIgkowXQpaz3itQydS1JnvxE32IkKeJqKGMdjR0XUs95nOJ4fYVW+b2kEt4PDtRAzqojmf/JP67V8xq1o8G0VPwwz0gjfBfYuNTfkOs3ol5PBaCUOLgnLDkjRb67YS5HJ8QFJEE6qc8xzNzujPsWOuMsz810XGLUrQ7KLnwicV66CW4LK0RpottjXazGSBmu2nek1HXCbmxjLuDy/VG0xfLOpASZbhtd5p8RDC5FQBMKrjF/yeecMgmpZZzkKD1fGewUL8rhpbY3sDgmbckMf2sRnGZnt8jBqVndLCKhq5pyzibHpOHkPKF0CONZZ'}} |
| 0:24:17.069886 | LOG | Server --------------------> DUT |
| 0:24:17.069886 | LOG | TX\_ACK: 02 0c8a 05 aa555a0000240409 |
| 0:24:21.957409 | LOG | PUSH\_ACK: 02 162b 01 |
| 0:24:21.959428 | LOG | PUSH\_DATA: Protocol version = 02, Token = 162b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1637995035, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AhATgXBuRHxtQ'}]} |
| 0:24:21.959428 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0484, FOpts: ), FPort: e0, FRMPayload: 03f1, MIC: 911f1b50) |
| 0:24:21.959428 | LOG | Server <-------------------- DUT |
| 0:24:21.959428 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a786, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b05cdcb4) |
| 0:24:21.959428 | LOG | PULL\_RESP: Protocol version = 02, Token = 350b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1639995035, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AhqfgITHAKku8TJGwrLL91uO6SoZNAlrq0krawS9FK3uNj3aasa5r9j+PLWZ5NrtDbAlzlfIP80BIW+9T2Cwa2P+dYr1GSl1ufwyGLB6fLgNpDB6+tnQknft2K6b93UANVsgpubkZxCZK7Z6sfkkcTzJTDDeRHFOvuwNG95+l6wjAqJwchLdS3KMQpa++GQjm9uPGAwtRgYetG8etoZpqnFc/cbfyh2Z0OnFZ5OCN4rCP1x7HK8gqJAtrxtoXmKq6Y+FSHECQno4GbRendZptShm5bon/xf71kbWnJ9OV1m8W6dSGEv54Cb3MU26sxaedP7yT2CmwXNy0'}} |
| 0:24:21.959428 | LOG | Server --------------------> DUT |
| 0:24:21.959428 | LOG | TX\_ACK: 02 350b 05 aa555a0000240409 |
| 0:24:24.437663 | LOG | PULL\_DATA: 02 8c3c 02 aa555a0000240409 |
| 0:24:24.437663 | LOG | PULL\_ACK: 02 8c3c 04 |
| 0:24:26.807222 | LOG | PUSH\_ACK: 02 162c 01 |
| 0:24:26.807222 | LOG | PUSH\_DATA: Protocol version = 02, Token = 162c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1642837650, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AhQTgiWCB/AYJ'}]} |
| 0:24:26.807222 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0485, FOpts: ), FPort: e0, FRMPayload: 03f2, MIC: 81fc0609) |
| 0:24:26.807222 | LOG | Server <-------------------- DUT |
| 0:24:26.807222 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a787, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7c33d1df) |
| 0:24:26.807222 | LOG | PULL\_RESP: Protocol version = 02, Token = 8399, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1644837650, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Ah6fgHU3Ijda4u0DsLyxwYuzuc3RGfT+vTlL8tEDGxUjh4EH9ZeBeByv5zqbXAQ8xmDGaJE96EyBkpR6bXsCsdjvQLTwOIUkRbxMUqi19DCPl176xDYLDuefQxFsY9IzHTxCRwMYxF8lu7k4ZRO4DFc2S7cQMpEKnDuwsJb4a9GixmT52XyqD5gMNwN/s39UiHAKaXvmdxoNh/dX6HeVwZQlAqWBZ/qwGrPODUNuFKSNB3O0EIy30vIGE8vRYyZ7jJkxjKDvkqsZrROUmTrTheg2FMLAzZiAF9wEKw7Vk+dblsfjwn9CuhY992WTrLu987Hdewjl8M9Hf'}} |
| 0:24:26.807222 | LOG | Server --------------------> DUT |
| 0:24:26.807222 | LOG | TX\_ACK: 02 8399 05 aa555a0000240409 |
| 0:24:31.638408 | LOG | PUSH\_ACK: 02 162e 01 |
| 0:24:31.640466 | LOG | PUSH\_DATA: Protocol version = 02, Token = 162e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1647680233, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AhgTgX8oQYHOr'}]} |
| 0:24:31.640466 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0486, FOpts: ), FPort: e0, FRMPayload: 03f3, MIC: 106073ab) |
| 0:24:31.640466 | LOG | Server <-------------------- DUT |
| 0:24:31.640466 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a788, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c2de3472) |
| 0:24:31.640466 | LOG | PULL\_RESP: Protocol version = 02, Token = bf46, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1649680233, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AiKfgYBRqGV6pRgjpA9DA5VxTS01sq2QTQpERtB/dEJEiECD02Ycz7r9ltyK+QBHuMwJiLgn/rbYAGtsMW0hLmHBm1Q88wlylVO5k02/9rzz0CJSBWitJRyQWEmRQZfxeNiwg+KNdx9/dB5PxppuhQqw8Iot1184HCJtaZwQXkegEMhA9gUnaFhj83FFwlMD3htsmRO53SwO4/4EBfAJ0kUZ0tL7fjF/Pn1+XdkOl5GHA0CnT+IqI636sqaZ1FLg7Bboc5SGeYUDpVkgbzLGiW1bTQXBxnLlTxf5Araa+LhBZSr8eo7/g3ybZizo1dUUoZoMKVePC3jRy'}} |
| 0:24:31.640466 | LOG | Server --------------------> DUT |
| 0:24:31.640466 | LOG | TX\_ACK: 02 bf46 05 aa555a0000240409 |
| 0:24:34.494832 | LOG | PULL\_DATA: 02 d1d4 02 aa555a0000240409 |
| 0:24:34.494832 | LOG | PULL\_ACK: 02 d1d4 04 |
| 0:24:36.512729 | LOG | PUSH\_ACK: 02 162f 01 |
| 0:24:36.514776 | LOG | PUSH\_DATA: Protocol version = 02, Token = 162f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1652523035, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AhwTg3nmJu5Gy'}]} |
| 0:24:36.514776 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0487, FOpts: ), FPort: e0, FRMPayload: 03f4, MIC: 89bb91b2) |
| 0:24:36.514776 | LOG | Server <-------------------- DUT |
| 0:24:36.514776 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a789, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 679f7020) |
| 0:24:36.514776 | LOG | PULL\_RESP: Protocol version = 02, Token = fabe, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1654523035, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AiafgEklZRVP2jEfgHYq0s5CfYrfzFzKYlzge9qpSWgd4iDOVPnw53FuiMSnhMkKEYLlXGFxF2O8zFZV2HfbyF+tHz7yuGXKLBnxKq5DaM4mTaP96UgnD1yxEwvumqfu1C3VCPo7AGMVfKEUZS82bwvi6UANDRu12+sjpe0rTY3gAQ3mgrEZ+DgY3hA6yjxss43e8GzrUKLyDW/MVku+gYfC71IdGpaBaBVsPixOC6Z1WtnQpweBSwPvmtoCtJdGvUXEX7y2jpUWsZ4ZJuXY8+4PnU31PAqfhjW4M4e/QXSVz+L4wwf9LKHhV30uBsiD32/aTMHpnn3Ag'}} |
| 0:24:36.514776 | LOG | Server --------------------> DUT |
| 0:24:36.514776 | LOG | TX\_ACK: 02 fabe 05 aa555a0000240409 |
| 0:24:41.343378 | LOG | PUSH\_ACK: 02 1630 01 |
| 0:24:41.343378 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1630, Identifier = 00, JSON = {'rxpk': [{'tmst': 1657365572, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AiATgq7dGZzMi'}]} |
| 0:24:41.343378 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0488, FOpts: ), FPort: e0, FRMPayload: 03f5, MIC: 46673322) |
| 0:24:41.343378 | LOG | Server <-------------------- DUT |
| 0:24:41.343378 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a78a, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c47d228e) |
| 0:24:41.343378 | LOG | PULL\_RESP: Protocol version = 02, Token = 5ac1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1659365572, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AiqfgEgaAjZxpmc2Xs8B3Bq2crZplLFeRe7Tad35MIOXhMBi7cnICJyClLbkGkQ2ztMEc6JZWtlC+ftLOJ9nIHj9y5l17AkhF7yFqLQNCAWIKbHMU03ERtviu95ESIzdqUiwRNMBloO+8e81ZvKTIDk2xiwgMiw1sjm1qOpMpEmeoqNtMweqOwHjbqc1G0oTMXPs8Uno0uQ1YM8FxI6azOROiYvLAk7kJesl5ThWJXdLWcgPA5rwa4LYKfI60jj+iEB/2DgUm33jJczxN3JTI5FUQx7eSdIWvobkZ68c25stw8+LTHcHmQllCi51XwM0EpAdt//XEfSKO'}} |
| 0:24:41.343378 | LOG | Server --------------------> DUT |
| 0:24:41.343378 | LOG | TX\_ACK: 02 5ac1 05 aa555a0000240409 |
| 0:24:44.644137 | LOG | PULL\_DATA: 02 75c5 02 aa555a0000240409 |
| 0:24:44.644137 | LOG | PULL\_ACK: 02 75c5 04 |
| 0:24:46.230909 | LOG | PUSH\_ACK: 02 1631 01 |
| 0:24:46.232926 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1631, Identifier = 00, JSON = {'rxpk': [{'tmst': 1662208220, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AiQTg/CI2pCJb'}]} |
| 0:24:46.232926 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0489, FOpts: ), FPort: e0, FRMPayload: 03f6, MIC: 36a4225b) |
| 0:24:46.232926 | LOG | Server <-------------------- DUT |
| 0:24:46.232926 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a78b, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8939cac1) |
| 0:24:46.232926 | LOG | PULL\_RESP: Protocol version = 02, Token = de20, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1664208220, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Ai6fgm4ybZVIqqS9WimJPJzPtkvC6Flu17y0GjgRnWffeGIGDZBuWY8oUigBkGAVTe7QOidmcS8OlbnW7DcR4I+aqbgEOK4dBisuVNcoqriLprldDLN6AJNGPW1sb5cSHRUJtHowYoxvmX80SZNypF6ShoUwlBi57j7ML7BE/JethN+RtqmY4uymUhZFK9aTPT/1yePd4vQlDcz3DguNv+cGkORzCr/v9mElqYfwAUnyZqmnVQL5emqPQ/PfzMbfzrF57QU1VsvDjCmgEEao+PxbG9OZJEeIMO8u1JdUCzj09hp0Wt6unw4hZeh/HQtQDx17IUyiJOcrB'}} |
| 0:24:46.232926 | LOG | Server --------------------> DUT |
| 0:24:46.232926 | LOG | TX\_ACK: 02 de20 05 aa555a0000240409 |
| 0:24:51.056384 | LOG | PUSH\_ACK: 02 1632 01 |
| 0:24:51.056384 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1632, Identifier = 00, JSON = {'rxpk': [{'tmst': 1667050828, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AigTgx2Jnnd7E'}]} |
| 0:24:51.056384 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 048a, FOpts: ), FPort: e0, FRMPayload: 03f7, MIC: 679ddec4) |
| 0:24:51.056384 | LOG | Server <-------------------- DUT |
| 0:24:51.056384 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a78c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a7f5686e) |
| 0:24:51.056384 | LOG | PULL\_RESP: Protocol version = 02, Token = f8e8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1669050828, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AjKfgDM1Sopv2Pjz6Q7n8/anPIL8f7vBeOfGpoM7OhhOtDMBJZnCMT0UXCKxm+AWprPbPS6bvGbSm9qJry3dp1ePOQrVxiGyRp3vwdrWLuCAsV5ZSX9d/pNgCMMRUyWZDXd9RNjxyJnc4MticIlFRN47br718oZP1xBxIY0NQAx2scu9ntgVc6Wd4+bn/H29HEwzIeGsG0y3kk1yMNjGUAP1eKUWMTCmi9+OWtivY0WQsoL/dNhTfHcPQOInWyt8vmt4Xw/5TIG38qpsMHp8Ql9DfC1ZYaYmtsW2DHo5Cs+6uVE+BIaGHlkZS0Fd44ZHcKdarfken9Whu'}} |
| 0:24:51.056384 | LOG | Server --------------------> DUT |
| 0:24:51.056384 | LOG | TX\_ACK: 02 f8e8 05 aa555a0000240409 |
| 0:24:54.753809 | LOG | PULL\_DATA: 02 af12 02 aa555a0000240409 |
| 0:24:54.753809 | LOG | PULL\_ACK: 02 af12 04 |
| 0:24:55.864229 | LOG | PUSH\_ACK: 02 1633 01 |
| 0:24:55.864229 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1633, Identifier = 00, JSON = {'rxpk': [{'tmst': 1671893413, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AiwTg9/IOtTcb'}]} |
| 0:24:55.864229 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 048b, FOpts: ), FPort: e0, FRMPayload: 03f8, MIC: 0eb5371b) |
| 0:24:55.864229 | LOG | Server <-------------------- DUT |
| 0:24:55.864229 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a78d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 36898153) |
| 0:24:55.864229 | LOG | PULL\_RESP: Protocol version = 02, Token = abe7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1673893413, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AjafgM2XCAbGkse+b4a/2KNI27pNgiKByPQmFO7umCioux0q0PRURF7RmsZSc26ZNJHSdr2bkWWXNfIT+V7ycy4sjrWBhh1GWVa4wKi/djI2B4ND2O5b4sNNVmfdnw362NbfPmtOKzG0mJ08wGYoyAgBWWUSk/llmei8jTZmq7t5P00rK2pTNLmkPdntTudajdJB60VurZmO3/sXnHxDHV+YJxMSSs6GBB36K3+z8FakEyjtxAHsKRjlivop0vZZSiXjdvrNLror+wrf8COHwkxuqalhb6y0ji+quYnPW0Mysm5ZjRSpKigs2PVn27DxUvJRELlE2iYFT'}} |
| 0:24:55.864229 | LOG | Server --------------------> DUT |
| 0:24:55.864229 | LOG | TX\_ACK: 02 abe7 05 aa555a0000240409 |
| 0:25:00.765747 | LOG | PUSH\_ACK: 02 1635 01 |
| 0:25:00.767794 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1635, Identifier = 00, JSON = {'rxpk': [{'tmst': 1676776485, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AjATgPjrZ6a14'}]} |
| 0:25:00.767794 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 048c, FOpts: ), FPort: e0, FRMPayload: 03f9, MIC: d9e9ad78) |
| 0:25:00.767794 | LOG | Server <-------------------- DUT |
| 0:25:00.767794 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a78e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 098d163f) |
| 0:25:00.767794 | LOG | PULL\_RESP: Protocol version = 02, Token = a0f0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1678776485, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AjqfgUPEz5BIznkjF/q54bBRXBTieVNd5BJ2B1xmXKYV1ljVUGY272anDR6IoFWe1fsPrdiX/QUhPjhDzCAbPsmQEOieqxqpRTUKyl7gClQGZghWbe/N934w6kbkU4HpoMDnki5WsQpHs6kDw59JTn2D3zeTZzC5U1e+fGQpO6T5fYIthlL3VQCsS4RGXkNbBA80IpWFSaldBEpAairQj+r600zD1nnVRiPZq0/f8HOmuzTk80m8SM4yEk2VVvUOF0PJGhSMtVamZL2g+LDrvi3QHNCEGP9bSGWmUwH8UnPxksllPOFempK6visaojqcnCcwHit8JjRY/'}} |
| 0:25:00.767794 | LOG | Server --------------------> DUT |
| 0:25:00.767794 | LOG | TX\_ACK: 02 a0f0 05 aa555a0000240409 |
| 0:25:04.839900 | LOG | PULL\_DATA: 02 75d3 02 aa555a0000240409 |
| 0:25:04.839900 | LOG | PULL\_ACK: 02 75d3 04 |
| 0:25:05.610356 | LOG | PUSH\_ACK: 02 1636 01 |
| 0:25:05.610356 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1636, Identifier = 00, JSON = {'rxpk': [{'tmst': 1681619125, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AjQTgZJgH1Ps1'}]} |
| 0:25:05.610356 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 048d, FOpts: ), FPort: e0, FRMPayload: 03fa, MIC: 07d4fb35) |
| 0:25:05.610356 | LOG | Server <-------------------- DUT |
| 0:25:05.610356 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a78f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fc27ff6d) |
| 0:25:05.610356 | LOG | PULL\_RESP: Protocol version = 02, Token = 94a5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1683619125, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Aj6fgHoPZ5aJDd5ni0Zuywzi9BO9alOgYwuNgrwzoxCGVUAbD/zjLFo5ery8JuUDFmUqLWlsIRkYK8oD5LHYXz/QjoeoMDM0K64aejpsfvkCePr9ckvgnST+24lyxoQwJEdp67SD7xMO3GjVyczQVyFiz2DPYi6lus2pLo93M+c2+8+nLIoTCs0umg9rB2PUeFa5i1kiAev4nnk9LE2TOJ8CNhO7bTGnIQ0F1+q6JTeJl4t6tEtXjOR8tBWoqlPCOAQboPQEv24OPMzGvq0skl6Vpyt377MsWrDay7FFmT8/kPNSF3WRJOlkbx8hMdjMgygewGX78J/9t'}} |
| 0:25:05.610356 | LOG | Server --------------------> DUT |
| 0:25:05.610356 | LOG | TX\_ACK: 02 94a5 05 aa555a0000240409 |
| 0:25:10.487378 | LOG | PUSH\_ACK: 02 1637 01 |
| 0:25:10.487378 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1637, Identifier = 00, JSON = {'rxpk': [{'tmst': 1686461734, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AjgTg37Llk0uJ'}]} |
| 0:25:10.487378 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 048e, FOpts: ), FPort: e0, FRMPayload: 03fb, MIC: e5934b89) |
| 0:25:10.487378 | LOG | Server <-------------------- DUT |
| 0:25:10.487378 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a790, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f817c8b7) |
| 0:25:10.487378 | LOG | PULL\_RESP: Protocol version = 02, Token = 1809, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1688461734, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AkKfgLU7ktCmjNoNGelDaSeDftEfMAeukqpiBkEyk9kSoGEKwxbMWfGII1wRt8qcrSs4twpn3+2BDhsNHcQAuhk5lDD9sD5o3pLDLUf0vxKypsTcMNeACCRQmNjx8tMKtUMKyuzlA0G0/g6MtfySuI6F0+wWXMa5UUg5EJwQLc0MwJCPCiR0vQaEwgFvaaBAcSSBonD1bCRlM+kOQZKrpRKvj3SE5iyzgM5Whw9zMGCQLHLGMZM94K20Th34xQmKO9YhHnPc9T/d2kL+xuGkKGlAVocaTU179UfXHCU9peCyK8oPtKWcU6pZY99+LliQkxoRkbTz4F8i3'}} |
| 0:25:10.487378 | LOG | Server --------------------> DUT |
| 0:25:10.487378 | LOG | TX\_ACK: 02 1809 05 aa555a0000240409 |
| 0:25:15.036095 | LOG | PULL\_DATA: 02 9766 02 aa555a0000240409 |
| 0:25:15.036095 | LOG | PULL\_ACK: 02 9766 04 |
| 0:25:15.304446 | LOG | PUSH\_ACK: 02 1638 01 |
| 0:25:15.304446 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1638, Identifier = 00, JSON = {'rxpk': [{'tmst': 1691304332, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AjwTgBQnlJpQj'}]} |
| 0:25:15.304446 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 048f, FOpts: ), FPort: e0, FRMPayload: 03fc, MIC: e5269423) |
| 0:25:15.304446 | LOG | Server <-------------------- DUT |
| 0:25:15.304446 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a791, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8d25696e) |
| 0:25:15.304446 | LOG | PULL\_RESP: Protocol version = 02, Token = 71c8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1693304332, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AkafgyxH1W3x/tjA4W5BlldO4sx5zyMwXou+DCR7+dwnl7TnNunLXG2RViiRpaXCpYcf+oGjMAInmZY7lfak7120sEivWqGFCXzIJl+JkNpDvyUXEiC8B9mYlYmQmnxgPekLUng0WweICx07FQGNUWEpMXLZXhlscNFmQJtmBS2/36vhKXLPeIgE2eDuoAsW/p2qCUL2FxtN1lum3/b+twMLBRC2s7lzTGtn3dArkJ8cDHNxxO0KmUmzKYLNHJi9kvXGBAEGYTuS/zJbcrWrtpBOVdh/UxoePfqquHfMZbdOi8etaq0vQwFis6XJ7ym3BC7VdRPCNJWlu'}} |
| 0:25:15.304446 | LOG | Server --------------------> DUT |
| 0:25:15.304446 | LOG | TX\_ACK: 02 71c8 05 aa555a0000240409 |
| 0:25:20.182994 | LOG | PUSH\_ACK: 02 1639 01 |
| 0:25:20.182994 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1639, Identifier = 00, JSON = {'rxpk': [{'tmst': 1696146940, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AkATgt9h7McgX'}]} |
| 0:25:20.182994 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0490, FOpts: ), FPort: e0, FRMPayload: 03fd, MIC: 7b31c817) |
| 0:25:20.182994 | LOG | Server <-------------------- DUT |
| 0:25:20.182994 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a792, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: bd85d038) |
| 0:25:20.182994 | LOG | PULL\_RESP: Protocol version = 02, Token = 6e39, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1698146940, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AkqfgFhW/I3tWYj59ykKYySF5cp7187Snglos9DMYZvIQzHU33h0WbOLTs31v39ChkG9mTAh+sAWGxLmimY0AkzyNCHZqVnmaI/w3bKcBYk0eRobLKZ/FgLGKvYHUXS33t4Jq7c3IeLvHKBs210hazDkqzhuVaWYMpQIJQWvIQTOrYl4t6fb8kh9F7JKM7NC4YCVZVAXiQXbES7C6QHbV+mKSgcBhDnM59odgrdPANINgqxnLeSPRazLVgbZaBRf0KpzQmibW0UWDVp+EG6BZKfMisesH6eOqE6D4xXX8Q9224iabNaVtP9gOgiXQuJiAu57t/Oq9hdA4'}} |
| 0:25:20.182994 | LOG | Server --------------------> DUT |
| 0:25:20.182994 | LOG | TX\_ACK: 02 6e39 05 aa555a0000240409 |
| 0:25:25.031541 | LOG | PUSH\_ACK: 02 163a 01 |
| 0:25:25.031541 | LOG | PUSH\_DATA: Protocol version = 02, Token = 163a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1700989541, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AkQTg2Jq/mMnZ'}]} |
| 0:25:25.031541 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0491, FOpts: ), FPort: e0, FRMPayload: 03fe, MIC: bf98c9d9) |
| 0:25:25.031541 | LOG | Server <-------------------- DUT |
| 0:25:25.031541 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a793, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c3fa6d10) |
| 0:25:25.031541 | LOG | PULL\_RESP: Protocol version = 02, Token = 016a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1702989541, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Ak6fgOPK1E+eDlj0W/VPKkKOGonFdfPuDnfaXyGH2iZm+D1uPZxckmWIKIMDnLVE16MCIp5M9UYY8nnBH5BJWdyOEtemM/9+WKnz2pxj1H6LRZql+OcwB3gDUxow+/v+NarYTdUwa9ZfDq+0ts6WUS71imiB8XsRyOf8jJnd0qnGZpL/H/6K23Bay3FopC+QiH8aRAJWa6+9oVohrxPs+uhBAa8qGvOKnlF1l5y0LLnWli2Mtkk+R+HLxc+2vsurWdQd38qh0UIghtE938IEnJ10jlzat/GWMvKgDuraziY/oN3OKaoBE4BW8zWalS6Rb/LRNioDD+m0Q'}} |
| 0:25:25.031541 | LOG | Server --------------------> DUT |
| 0:25:25.031541 | LOG | TX\_ACK: 02 016a 05 aa555a0000240409 |
| 0:25:25.049826 | LOG | PULL\_DATA: 02 975b 02 aa555a0000240409 |
| 0:25:25.049826 | LOG | PULL\_ACK: 02 975b 04 |
| 0:25:29.836112 | LOG | PUSH\_ACK: 02 163b 01 |
| 0:25:29.838159 | LOG | PUSH\_DATA: Protocol version = 02, Token = 163b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1705832325, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AkgTg+Z16fJtE'}]} |
| 0:25:29.838159 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0492, FOpts: ), FPort: e0, FRMPayload: 03ff, MIC: 7a7c9b44) |
| 0:25:29.838159 | LOG | Server <-------------------- DUT |
| 0:25:29.838159 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a794, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8ba0b809) |
| 0:25:29.838159 | LOG | PULL\_RESP: Protocol version = 02, Token = 614b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1707832325, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AlKfg3n47jVZOrP3HWWqm27+2bGt4Y6gBxCNj0UdRjf0sCm2AamNz5L68iO3CKTfPKmJW1FvcKJb16d7CyxyBlIJY1yyfh35zSFvBkPnr4TQRChbKxCL8vNPSdWtZZpzjhBqPxKqcQ3/M7khGkimocJ3gDt+DFGDY//UReqKoKRwn2VF2xp9I7ckxN0rIxyQCQHaf0KERncSUO6pNZPRCCjOr6xdBtD41NuhKx5nL/KZPpFbKm13oLzrkK2v/eXIKeWTryCJBULcxDPXkTgVwym8ARH8M7AR/CMt7ebVI2ohztuDpKTpo2SdEdCGuc+3q/1RBujqLoLgJ'}} |
| 0:25:29.838159 | LOG | Server --------------------> DUT |
| 0:25:29.838159 | LOG | TX\_ACK: 02 614b 05 aa555a0000240409 |
| 0:25:34.693073 | LOG | PUSH\_ACK: 02 163d 01 |
| 0:25:34.695105 | LOG | PUSH\_DATA: Protocol version = 02, Token = 163d, Identifier = 00, JSON = {'rxpk': [{'tmst': 1710674926, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AkwTgfTiW/xQQ'}]} |
| 0:25:34.695105 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0493, FOpts: ), FPort: e0, FRMPayload: 0400, MIC: 96ff1410) |
| 0:25:34.695105 | LOG | Server <-------------------- DUT |
| 0:25:34.695105 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a795, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 39a44cf7) |
| 0:25:34.695105 | LOG | PULL\_RESP: Protocol version = 02, Token = 7eab, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1712674926, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AlafgAyrPTPvluSH51RubdBUsvKzga/miWdAZROV94lY4tSxmq7pS1YpmLp+tgocXBmSvI4kY44adZmdnWIOK54DWdO7D7zXFxbfK6K+U3ZU/pBv6dUuJWJdcbXHjiQirF8WydyDXcEBaoATWfFDZRmRY2SrNNpmN9PthRrsihuea8s78NJVmTaXBp5FHsiEebM1ApAKSU3lD3v+E7Jm/N38qLQO7JqjI2sMCAggfMADbF7X2qwDRisPnfV29k/WLae3deoHfRugLzfratBzJPgfNhon0Y0dr2YXH3a7ty7MoPwiQXC63GUQMMzVV4I38vUCR+pk5pEz3'}} |
| 0:25:34.695105 | LOG | Server --------------------> DUT |
| 0:25:34.695105 | LOG | TX\_ACK: 02 7eab 05 aa555a0000240409 |
| 0:25:35.113664 | LOG | PULL\_DATA: 02 7992 02 aa555a0000240409 |
| 0:25:35.113664 | LOG | PULL\_ACK: 02 7992 04 |
| 0:25:39.555778 | LOG | PUSH\_ACK: 02 163e 01 |
| 0:25:39.555778 | LOG | PUSH\_DATA: Protocol version = 02, Token = 163e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1715557926, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AlATg2FeuuO3N'}]} |
| 0:25:39.555778 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0494, FOpts: ), FPort: e0, FRMPayload: 0401, MIC: aeb8edcd) |
| 0:25:39.555778 | LOG | Server <-------------------- DUT |
| 0:25:39.555778 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a796, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b7ffcf4d) |
| 0:25:39.555778 | LOG | PULL\_RESP: Protocol version = 02, Token = 7c2c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1717557926, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AlqfgyQe1lmpyjgSx9Vt2mDbqiEfbGfpSmi7fnQ+Snyz7MLrec6OuG14zvaDK9ZdlNCUdapje9n4+wf0PMEo42QbmuvrP720Y+tiY02IgG0TlEbSWi9TPHIOumxutzEHkUHbDTP9QaSX4WG0tYE2q1Z1sjr82TxtdUeEh/+EQjjahEkvXOlB3m+zI2eXbOTbqE7PGpvmQ7HxqoCiiqGFfEVhVZ7D61PtFWEwINuBgxAPG40viP7Q+bHrLVGukDOSeR7uaJ/7jbB07Hwkbsrw7nQk1oUifHqI4+WngX8wsam/KpV0GAjeDX9lhABwY7grObcQmwvq3/89N'}} |
| 0:25:39.555778 | LOG | Server --------------------> DUT |
| 0:25:39.555778 | LOG | TX\_ACK: 02 7c2c 05 aa555a0000240409 |
| 0:25:44.370765 | LOG | PUSH\_ACK: 02 163f 01 |
| 0:25:44.370765 | LOG | PUSH\_DATA: Protocol version = 02, Token = 163f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1720400576, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AlQTgBVkIt+yt'}]} |
| 0:25:44.370765 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0495, FOpts: ), FPort: e0, FRMPayload: 0402, MIC: 08b7ecad) |
| 0:25:44.370765 | LOG | Server <-------------------- DUT |
| 0:25:44.370765 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a797, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ecb8c2f3) |
| 0:25:44.370765 | LOG | PULL\_RESP: Protocol version = 02, Token = 4611, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1722400576, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Al6fgQl8xLMYgqtYtOof7Mrc4dKl8WE+5GY/rGmqY23dBRlHK4hBILtNIQo+JmDyRBWcVpWo0uXrxUmWPPnjpHP60os8YCrNDuWy5b/8IttIV2dWIAvvizm1NIpKzUaRONuMVF2Z2G6wCe/tlP8LCZpwl0FIZQvtarV3CSTVFWfRkvUtW+qsuYG2aN8yR2mDdwstGpNJ+2chD9Ts0OkyFI0lBnV5Rhc/6OWVzyuiQgny3Y5kFlwWdwd1JlEUWsbXnLOH6aTnEmgkMNh12t+5OK5Adbw3dYLWWpIhCGT4sDyEjiZawV374odOy16jrFnhSk9JEjbTsuMLz'}} |
| 0:25:44.370765 | LOG | Server --------------------> DUT |
| 0:25:44.370765 | LOG | TX\_ACK: 02 4611 05 aa555a0000240409 |
| 0:25:45.201119 | LOG | PULL\_DATA: 02 df5c 02 aa555a0000240409 |
| 0:25:45.201119 | LOG | PULL\_ACK: 02 df5c 04 |
| 0:25:49.202524 | LOG | PUSH\_ACK: 02 1640 01 |
| 0:25:49.202524 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1640, Identifier = 00, JSON = {'rxpk': [{'tmst': 1725243192, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AlgTg8DRXZDIR'}]} |
| 0:25:49.202524 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0496, FOpts: ), FPort: e0, FRMPayload: 0403, MIC: 57643211) |
| 0:25:49.202524 | LOG | Server <-------------------- DUT |
| 0:25:49.202524 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a798, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 61118599) |
| 0:25:49.202524 | LOG | PULL\_RESP: Protocol version = 02, Token = 68f3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1727243192, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AmKfg2+HpJzcNislOKSrSaZ3E2qx4R0EcKOB/zT+Wiy1BW+l61fVGJL/XH1VZDth5QnYtD4ZoBp1u4lph85y2rTGH8TcjqYuRsDMqGRRWbZKvDzxriZZ98yRdpCsclWbRfkXQkNi38kPGBdKBHLtzn1oYYGLbbJcEWPYnGF6TPedRabj2SbgXlVFVmA6QKMjjGld425rNe6YKVyEL5A7jdc6ZCim9KjZPOaAzBXcLi1dXLSHbtntnZ0R9nnmtsbcVY7Ls2juyK+7gtoedLTiCrZJW98r/TwvONKEgA9JnCFv7u5BU4rZyy0g3gT0sOsTJP+sdZlNhEYWZ'}} |
| 0:25:49.202524 | LOG | Server --------------------> DUT |
| 0:25:49.202524 | LOG | TX\_ACK: 02 68f3 05 aa555a0000240409 |
| 0:25:54.084138 | LOG | PUSH\_ACK: 02 1641 01 |
| 0:25:54.084138 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1641, Identifier = 00, JSON = {'rxpk': [{'tmst': 1730085824, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AlwTgmqExe/9Z'}]} |
| 0:25:54.084138 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0497, FOpts: ), FPort: e0, FRMPayload: 0404, MIC: 317bff59) |
| 0:25:54.084138 | LOG | Server <-------------------- DUT |
| 0:25:54.084138 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a799, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d2fe7d2c) |
| 0:25:54.084138 | LOG | PULL\_RESP: Protocol version = 02, Token = fa4d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1732085824, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Amafg3yJ+1scnNZCPEK047+e7ZB4vChA+jCzmn/IWBOooBoZ1UKYR9TMr1c0ZsXKA4EfHJ5bH/o6mQY30wbGDXLSIzQdD7U7Og0PXoUB+HgSk3SgT6mBkF5zqWhEzLXz2ta0N23Oqi2nlfXM1bYig0wvjI/z8Em2jQW5FLZ4+SNlojP8WmwvvAplTSca7CoBTRSCTlCAoyXrAnAsRQDZg3H7xYiOXyT6M481yBWlppK+W/v08/UO8F0cHBjFx1+PKi4sH7c47meg04gJF0VWUVbE1zTCux6jQoZeTuXeJxecMhWnEnNhYNDaLBQau/b0zzZDWJGjS/n0s'}} |
| 0:25:54.084138 | LOG | Server --------------------> DUT |
| 0:25:54.084138 | LOG | TX\_ACK: 02 fa4d 05 aa555a0000240409 |
| 0:25:55.324079 | LOG | PULL\_DATA: 02 2aa4 02 aa555a0000240409 |
| 0:25:55.324079 | LOG | PULL\_ACK: 02 2aa4 04 |
| 0:25:58.914763 | LOG | PUSH\_ACK: 02 1642 01 |
| 0:25:58.916781 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1642, Identifier = 00, JSON = {'rxpk': [{'tmst': 1734928607, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AmATgoSOZb/kz'}]} |
| 0:25:58.916781 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0498, FOpts: ), FPort: e0, FRMPayload: 0405, MIC: 996ff933) |
| 0:25:58.916781 | LOG | Server <-------------------- DUT |
| 0:25:58.924857 | LOG | Number of downlinks: 60 |
| 0:25:58.924857 | LOG | Number of errors: 0 |
| 0:25:58.924857 | LOG | Packet Error Rate (%): 0.0 |
| 0:25:58.934794 | LOG | Packet error rate SF8BW125 process tested successfully |
| 0:25:58.934794 | LOG | End Test Step: Test packet error rate for SF8BW500 using RX2 window |
| 0:25:58.934794 | LOG | Partial Verdict: PASS |
| 0:25:58.934794 | LOG | ========================================================= |
| 0:25:58.944827 | LOG | ========================================================= |
| 0:25:58.944827 | LOG | Start Test Step: Test packet error rate for SF7BW500 using RX2 window |
| 0:25:58.944827 | LOG | Send RXParamSetupReq process starts |
| 0:26:03.765490 | LOG | PUSH\_ACK: 02 1644 01 |
| 0:26:03.765490 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1644, Identifier = 00, JSON = {'rxpk': [{'tmst': 1739771247, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AmQTg53A2rMhj'}]} |
| 0:26:03.765490 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0499, FOpts: ), FPort: e0, FRMPayload: 0405, MIC: 36acc863) |
| 0:26:03.765490 | LOG | Server <-------------------- DUT |
| 0:26:03.765490 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a79a, FOpts: ), FPort: 00, FRMPayload: 050d68e28c), MIC: ed1e7fa8) |
| 0:26:03.765490 | LOG | PULL\_RESP: Protocol version = 02, Token = 5c8f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1740771247, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AmqcA4HNdJxntHn+o'}} |
| 0:26:03.765490 | LOG | Server --------------------> DUT |
| 0:26:03.765490 | LOG | TX\_ACK: 02 5c8f 05 aa555a0000240409 |
| 0:26:05.425706 | LOG | PULL\_DATA: 02 756f 02 aa555a0000240409 |
| 0:26:05.425706 | LOG | PULL\_ACK: 02 756f 04 |
| 0:26:08.617277 | LOG | PUSH\_ACK: 02 1645 01 |
| 0:26:08.619308 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1645, Identifier = 00, JSON = {'rxpk': [{'tmst': 1744614176, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 12.5, 'rssi': -52, 'size': 17, 'data': 'QO++rd6CmgQFB+Ak+5zN4HQ='}]} |
| 0:26:08.619308 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 049a, FOpts: 0507), FPort: e0, FRMPayload: 0406, MIC: 9ccde074) |
| 0:26:08.619308 | LOG | Server <-------------------- DUT |
| 0:26:08.619308 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:26:08.619308 | LOG | Command Answer: 0507 |
| 0:26:08.627360 | LOG | Send ACK to DUT process starts |
| 0:26:08.627360 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a79b, FOpts: ), FPort: , FRMPayload: ), MIC: 731c5414) |
| 0:26:08.627360 | LOG | PULL\_RESP: Protocol version = 02, Token = 7783, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1745614176, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 12, 'data': 'YO++rd4Am6dzHFQU'}} |
| 0:26:08.627360 | LOG | Server --------------------> DUT |
| 0:26:08.627360 | LOG | Send ACK to DUT tested successfully |
| 0:26:08.627360 | LOG | MAC command communication completed |
| 0:26:08.637343 | LOG | Packet error rate (Unconfirmed) SF8BW125 process starts |
| 0:26:13.467358 | LOG | PUSH\_ACK: 02 1646 01 |
| 0:26:13.469502 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1646, Identifier = 00, JSON = {'rxpk': [{'tmst': 1749456431, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AmwTg7+anM0M+'}]} |
| 0:26:13.469502 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 049b, FOpts: ), FPort: e0, FRMPayload: 0407, MIC: a733433e) |
| 0:26:13.469502 | LOG | Server <-------------------- DUT |
| 0:26:13.469502 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a79c, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 950ae6fb) |
| 0:26:13.469502 | LOG | PULL\_RESP: Protocol version = 02, Token = cbf9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1751456431, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AnKfgLHEYYxQ1kLp90CGIL5EjHT8P/cNMDOTHYkSOwdGKxD8hCd7eXqS3HBRT//pmlCPESXoSzZNasy/TS95XqO3tvx+h/ZW0b/5kZ68YPF1f2efRu0t55Epxb2EcZ9JkCMhYKhcXFvaFk20yxQ/QgqinXQLT+m4P3zv+zSf3XCAf9M3LGn2lhjO2V9FuYHfnuyoojLTi649ias0M7iaNxPTY8qKlJsXRdNcrAbOk1e6k599Z0Ev4JJjEV8zswbXuWvsAgxLcjnkrwD54hcNIuhbwK+CVwX8H9NJLLBes2FFj9n+jcmbWR1Lcz36elp+YpXznRYyVCub7'}} |
| 0:26:13.469502 | LOG | Server --------------------> DUT |
| 0:26:13.469502 | LOG | TX\_ACK: 02 cbf9 05 aa555a0000240409 |
| 0:26:15.537913 | LOG | PULL\_DATA: 02 ac29 02 aa555a0000240409 |
| 0:26:15.537913 | LOG | PULL\_ACK: 02 ac29 04 |
| 0:26:18.333025 | LOG | PUSH\_ACK: 02 1647 01 |
| 0:26:18.333025 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1647, Identifier = 00, JSON = {'rxpk': [{'tmst': 1754339503, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AnATgMhSyev26'}]} |
| 0:26:18.333025 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 049c, FOpts: ), FPort: e0, FRMPayload: 0408, MIC: b27afdba) |
| 0:26:18.333025 | LOG | Server <-------------------- DUT |
| 0:26:18.333025 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a79d, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0217ffa2) |
| 0:26:18.333025 | LOG | PULL\_RESP: Protocol version = 02, Token = 6ff5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1756339503, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AnafgnN9urHZ9MKT1NiBcElf2WoCvMr4HklrJOidM+DCXoB9Pjg9y7kpU7IYypVSV4xXEvLRsMM2OI4IEW09B0Ih/6HBhmo+nRJA2SQDVtQzuieVlPpknGj9GYJx3TdcOk3Jr6RMkA9T0DsKeyeN1iOXskGdeIbdEcFwKWT3Vqv+rkb2ImagjCa9GoPxtFGBAqs/jaHhw3eTqYLEASBADfmtb4FVfatLMRcLF8q55oHoyRqo0wWeAGLmb0luWzwLq3RtpsjEeXnuvBlpy7r+HoriyypgeqFfDB3gpWY/0dQc8gNKqelgKgpnbWqkDaMoYhMCGP4sCF/+i'}} |
| 0:26:18.333025 | LOG | Server --------------------> DUT |
| 0:26:18.333025 | LOG | TX\_ACK: 02 6ff5 05 aa555a0000240409 |
| 0:26:23.152073 | LOG | PUSH\_ACK: 02 1648 01 |
| 0:26:23.152073 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1648, Identifier = 00, JSON = {'rxpk': [{'tmst': 1759182057, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AnQTgrTUpfnSe'}]} |
| 0:26:23.152073 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 049d, FOpts: ), FPort: e0, FRMPayload: 0409, MIC: 297e749e) |
| 0:26:23.152073 | LOG | Server <-------------------- DUT |
| 0:26:23.152073 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a79e, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 58c5124d) |
| 0:26:23.152073 | LOG | PULL\_RESP: Protocol version = 02, Token = aed1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1761182057, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AnqfgqPqb5BiJowiD/Apj2yTN98mrHkqkJAcBPY1oAwSdtIcnpMfQqF9wcjczH9JWyPZeMS7CsCQ1JkeplY2wPG8lGCUVSUbkm/O/Nl2kVWUu3Tl3PCQ3/aOXA3W3r1YIZqsuY3hJSdY9yrFk6hk73KTJ5NE8r2EOwIyzgl+ZzimuudaWn++vEvKZtk/CkMK7aEl1NN8eGXpu38JGPdbmdjGY4w1Wy7BrydmOA6M/X0eImMdN5bltSudKgfyspgNR/NB92GKbbpC9r3LasQA4Iz8cyUf/yOfCtTxPZAHub0lkFVSl+9P+74NN70Vgdgv8tyQqU6NYxRJN'}} |
| 0:26:23.152073 | LOG | Server --------------------> DUT |
| 0:26:23.152073 | LOG | TX\_ACK: 02 aed1 05 aa555a0000240409 |
| 0:26:25.640481 | LOG | PULL\_DATA: 02 07a0 02 aa555a0000240409 |
| 0:26:25.640481 | LOG | PULL\_ACK: 02 07a0 04 |
| 0:26:28.021979 | LOG | PUSH\_ACK: 02 1649 01 |
| 0:26:28.024032 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1649, Identifier = 00, JSON = {'rxpk': [{'tmst': 1764024665, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AngTgF2yok+S7'}]} |
| 0:26:28.024032 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 049e, FOpts: ), FPort: e0, FRMPayload: 040a, MIC: a893e4bb) |
| 0:26:28.024032 | LOG | Server <-------------------- DUT |
| 0:26:28.024032 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a79f, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 450c3947) |
| 0:26:28.024032 | LOG | PULL\_RESP: Protocol version = 02, Token = 7f0d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1766024665, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4An6fgtQLht4/OO1riL1aZs67xLTSs6sq9flbUoekaTsSyNdWVV6Sb8yZsHhUuWvzrJRbakbuN7nj2weXDYnT0EWEv3F9gNXeNep+1JbRl0XrFyWXs0IiUTV1UA03p/6TrgSrmsmK1+xHZM89Oa7l2yG5vsGTzAt2nQwSK0noLRSqVeiz2FGCbRDDUViZH+ysgLQ59nWOeYJIqgeG/Pb/AzO+Ksp0nDmbYe8JeMnyrunworkTYM0s8NdgfSnYwiWpWCWJqofBzfV8fZx6jqXrMkfDoT+h4sGOeZ/lEMJJOuyjLowM3+8vf5sQzMfG9vsp+OAHFs+NFDDlH'}} |
| 0:26:28.024032 | LOG | Server --------------------> DUT |
| 0:26:28.024032 | LOG | TX\_ACK: 02 7f0d 05 aa555a0000240409 |
| 0:26:32.863076 | LOG | PUSH\_ACK: 02 164b 01 |
| 0:26:32.865118 | LOG | PUSH\_DATA: Protocol version = 02, Token = 164b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1768867280, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AnwTgxjUfMsFk'}]} |
| 0:26:32.865118 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 049f, FOpts: ), FPort: e0, FRMPayload: 040b, MIC: 1f32c164) |
| 0:26:32.865118 | LOG | Server <-------------------- DUT |
| 0:26:32.865118 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7a0, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 754af026) |
| 0:26:32.865118 | LOG | PULL\_RESP: Protocol version = 02, Token = 5482, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1770867280, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AoKfgvtlbk3rgD1uO7ZVHLPR50AHclsQX8O5KQGvemTDSEQFcDWlhJ0X6mAbx3SG/BxQpEmEcokCr1Ym38sIGHacZzIhBTwU4Iz4JtjvkeqoFXMXQICQHiqLfKKUAjHDYiWR7jFumVXQVtRj+NDgd9C7k28fUHhetScxe2+IHekGFUBAVG9RWrfKgPPGk6Cq5tTolE7uA68lTtboiYh04wEwFzXZ4VTasrHNoqhWsP5r2PVbMuE0jQyJjil9njaA5aaKs1ba9rCCz9A4O+h1fdkG+iit6qHJFo3NxiFBcVc+O8Ku8hld4nO4+oI+NS5BjmgTp0Kt1SvAm'}} |
| 0:26:32.865118 | LOG | Server --------------------> DUT |
| 0:26:32.865118 | LOG | TX\_ACK: 02 5482 05 aa555a0000240409 |
| 0:26:35.739671 | LOG | PULL\_DATA: 02 b09e 02 aa555a0000240409 |
| 0:26:35.739671 | LOG | PULL\_ACK: 02 b09e 04 |
| 0:26:37.704998 | LOG | PUSH\_ACK: 02 164c 01 |
| 0:26:37.704998 | LOG | PUSH\_DATA: Protocol version = 02, Token = 164c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1773710088, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AoATgVZ2hGo1d'}]} |
| 0:26:37.704998 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04a0, FOpts: ), FPort: e0, FRMPayload: 040c, MIC: a11a8d5d) |
| 0:26:37.704998 | LOG | Server <-------------------- DUT |
| 0:26:37.704998 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7a1, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 17b01654) |
| 0:26:37.704998 | LOG | PULL\_RESP: Protocol version = 02, Token = 4954, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1775710088, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Aoafgft+z++QlTvIG4CYUmzAVn2d2U+yBnIv35imGYH6DgBdS6G+PcyQa3lct2oTmo0fEAtDoLBmVujv9pd5AvLP8azaGmj91680rZSJlvghgLhpiICLab6cCR4D2v8TTLWd9/fsFibRo+zaXWoEmuaTf8uCeEthOxb9vcAkJxzeNyNsDtun/Lx/OgkE/9uP5oqccjmwHuh5XYTOK6BOewXME3/GuD1ALv5xWpgV7NHBupQQctHPge0mSbAl8Wiok+ikb8+u3h3ZQQxnqofZQllyCXq8qLbWpTvq6M89oL4DiQTRzM2sH7+qMX5sz8pdI/pKj+TUXsBZU'}} |
| 0:26:37.704998 | LOG | Server --------------------> DUT |
| 0:26:37.704998 | LOG | TX\_ACK: 02 4954 05 aa555a0000240409 |
| 0:26:42.543813 | LOG | PUSH\_ACK: 02 164d 01 |
| 0:26:42.545856 | LOG | PUSH\_DATA: Protocol version = 02, Token = 164d, Identifier = 00, JSON = {'rxpk': [{'tmst': 1778552648, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AoQTg/PfwBGRP'}]} |
| 0:26:42.545856 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04a1, FOpts: ), FPort: e0, FRMPayload: 040d, MIC: f004644f) |
| 0:26:42.545856 | LOG | Server <-------------------- DUT |
| 0:26:42.545856 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7a2, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8768826a) |
| 0:26:42.545856 | LOG | PULL\_RESP: Protocol version = 02, Token = 9ebb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1780552648, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Aoqfg8FHd7BvQ23w8UNX5tj/UInRCm8DqR95IarKTApi7GeV0SLtEFhuh1rOu5eSTXqfPomoAGLMd9Q/YANdZhv/4ZVi+PuvDzgffoVtb72gc1wmrMIZcvpDHd2iebRTOLmtV5046EVLqp7R3NikIOvFoIOuOShhMnsbE5+xhoxI0RHnNL4waEv0JBEefwFfo1/BkUubn+rS6CKQL6TdkBh+WNemj0yxshi/psy8RYlU8xQiJVuW5WZZpohEBehAHi+g66sRKO3694+mRCvsaKmFI+EY852wqgBEPsZ25gEi4av7fHMHcj8Cb/4nXGDJdV/B7t+KHaIJq'}} |
| 0:26:42.545856 | LOG | Server --------------------> DUT |
| 0:26:42.545856 | LOG | TX\_ACK: 02 9ebb 05 aa555a0000240409 |
| 0:26:45.849421 | LOG | PULL\_DATA: 02 687c 02 aa555a0000240409 |
| 0:26:45.849421 | LOG | PULL\_ACK: 02 687c 04 |
| 0:26:47.399528 | LOG | PUSH\_ACK: 02 164e 01 |
| 0:26:47.399528 | LOG | PUSH\_DATA: Protocol version = 02, Token = 164e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1783395207, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AogTgPwdVcD/i'}]} |
| 0:26:47.399528 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04a2, FOpts: ), FPort: e0, FRMPayload: 040e, MIC: 55703fe2) |
| 0:26:47.399528 | LOG | Server <-------------------- DUT |
| 0:26:47.399528 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7a3, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 787ead18) |
| 0:26:47.399528 | LOG | PULL\_RESP: Protocol version = 02, Token = ca4f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1785395207, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Ao6fg2YSkf9jyPFgqVthMra9GqtjrrbnqwsQ9Hd38JxI9hhKodpUmGNOCsneJ6Z+oH8tNJDTZ27ijgly7aaIuTbOwT/4/wWRO293gWYdugEfarqAVVzM00ri0BghBM1EJjjIJZ/Q9yMQxtCBbEx2t5gBZ9pqTVelDf8u9oLN9qaUJTMB85WP156mzDtXLMTJNN87x7V1oJtSUmVZNKW6s55oBcwcpYTRyfg9rjjO/pm5+GpPwvkHaZURf3u0PSuTN8tzIeqU2JbIebK3oP0ugt8IZ1md8/Pe9tOSmcOaGEqpBhe1v0Cj9Wr2G8X33V6p28RMYhRh4fq0Y'}} |
| 0:26:47.399528 | LOG | Server --------------------> DUT |
| 0:26:47.399528 | LOG | TX\_ACK: 02 ca4f 05 aa555a0000240409 |
| 0:26:52.209923 | LOG | PUSH\_ACK: 02 164f 01 |
| 0:26:52.209923 | LOG | PUSH\_DATA: Protocol version = 02, Token = 164f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1788237823, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AowTgZQ4Q5Xmu'}]} |
| 0:26:52.209923 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04a3, FOpts: ), FPort: e0, FRMPayload: 040f, MIC: 10e579ae) |
| 0:26:52.209923 | LOG | Server <-------------------- DUT |
| 0:26:52.209923 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7a4, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: dd7ab7ea) |
| 0:26:52.209923 | LOG | PULL\_RESP: Protocol version = 02, Token = bc4d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1790237823, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ApKfgE3rgYgIQJgZ773EeaZ93XbFNRhheoBwiIO97NoDdrnryTIdYSjn4DpdfYQM0dwaYkT1HmR2e/BTW6oauG1h+VdnV5KOMbeZgQbPQrvyC+helJjdZjBBpoyCPNmV/y52hNyvOCEERtTaEVsKwR4jpsiETd/oYsX5HCgOgZySqK8zeq4tf9GeqVVsOHOeMZTq1pi3iJDzV9SB/2+6C42L7ktFd4v3oTg9XExTXGJUoIvExe8d9idf0/1eTXQO2oWVsbHpN2zUyZM6zOwk0rGcJzhN+igCThv0LsFFUkSYf8p36YnPSk3r6O0JfU5NKwTa0/Arderfq'}} |
| 0:26:52.209923 | LOG | Server --------------------> DUT |
| 0:26:52.209923 | LOG | TX\_ACK: 02 bc4d 05 aa555a0000240409 |
| 0:26:55.943295 | LOG | PULL\_DATA: 02 5927 02 aa555a0000240409 |
| 0:26:55.943295 | LOG | PULL\_ACK: 02 5927 04 |
| 0:26:57.125062 | LOG | PUSH\_ACK: 02 1650 01 |
| 0:26:57.127110 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1650, Identifier = 00, JSON = {'rxpk': [{'tmst': 1793120892, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ApATgN8lMhu20'}]} |
| 0:26:57.127110 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04a4, FOpts: ), FPort: e0, FRMPayload: 0410, MIC: 4c86edb4) |
| 0:26:57.127110 | LOG | Server <-------------------- DUT |
| 0:26:57.127110 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7a5, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d474b30f) |
| 0:26:57.127110 | LOG | PULL\_RESP: Protocol version = 02, Token = 5a8c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1795120892, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Apafgsf9VpxIhbAfB5qMure4pYzBvbQ7kPN2TMWBhk2KnscJXpMTnYE7eRGB1LJPZs8aeMYysrBENxbb2DTzHzU6AAPPpHCkCkfWWmkaV52dRGYWHdEYZdgDFHbUu/+SqGwQP5RmzDtrnTt30esl2/UwyHMAUzi0wrr9CsOhHiRV9a3yQDLDrz8sbpHR8saAzLYZcx4kcuaH2y18RtFRaMjGjt8gquIWErZI/ycVAB17eDvTfRWhJt+vNdxbFuOjZYUGmjaAUJz3NVvQiB0560pJVlNzvUaMcW6GirRKtWbo9l94hSNOAbBBjiK1rgq7nV8c2EwPUdLMP'}} |
| 0:26:57.127110 | LOG | Server --------------------> DUT |
| 0:26:57.127110 | LOG | TX\_ACK: 02 5a8c 05 aa555a0000240409 |
| 0:27:01.986078 | LOG | PUSH\_ACK: 02 1652 01 |
| 0:27:01.988124 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1652, Identifier = 00, JSON = {'rxpk': [{'tmst': 1797963453, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ApQTgX3oP4uLt'}]} |
| 0:27:01.988124 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04a5, FOpts: ), FPort: e0, FRMPayload: 0411, MIC: 0fe2e2ed) |
| 0:27:01.988124 | LOG | Server <-------------------- DUT |
| 0:27:01.988124 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7a6, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f740195c) |
| 0:27:01.988124 | LOG | PULL\_RESP: Protocol version = 02, Token = 3dee, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1799963453, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ApqfgJ8HnaH81KTugTPUfD/qFKUu8HV19x/dfEWMwjQVKMszlg5ZGmiqhD/JWhHHHz9Ba/RXX6GIujyyM6k13vMb2wGwrQGJp0dWKQ/V0j2Dwvmv0IGbDk8ZWx5k5vtYcxdqdIfIOOoNQviH2CiqCNCpnSOUfqOoI7TIYIqHLmB5luVSA3UaNKu2ji5GiGspfmPOh5nV51Y3VKhD9BO1Wq0jF6FP0pW+3Lm3STYUvam87f8H/CCa7CToy5zZLOZRaNd0hU+DJtXqGRDySVnO5rMFtYmqCUp0gvVanBOihkmiWonM8v25YB08dB20WlLiFSpO0nNb3QBlc'}} |
| 0:27:01.988124 | LOG | Server --------------------> DUT |
| 0:27:01.988124 | LOG | TX\_ACK: 02 3dee 05 aa555a0000240409 |
| 0:27:06.104602 | LOG | PULL\_DATA: 02 7d6b 02 aa555a0000240409 |
| 0:27:06.104602 | LOG | PULL\_ACK: 02 7d6b 04 |
| 0:27:06.824717 | LOG | PUSH\_ACK: 02 1653 01 |
| 0:27:06.824717 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1653, Identifier = 00, JSON = {'rxpk': [{'tmst': 1802806270, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ApgTgcPEZt+hI'}]} |
| 0:27:06.824717 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04a6, FOpts: ), FPort: e0, FRMPayload: 0412, MIC: 19b7e848) |
| 0:27:06.824717 | LOG | Server <-------------------- DUT |
| 0:27:06.824717 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7a7, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0ec9a41f) |
| 0:27:06.824717 | LOG | PULL\_RESP: Protocol version = 02, Token = e0d7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1804806270, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Ap6fgzRtRE/1I6usn+SgQC2/EHhS92Rmp5FFBCc/KPTOTW4PrfPt+16qNucajqN0IDyisLJsbx1blVhhvVm5ZlTFWynqQn+lgoovGfYVbqHS12Tp3KA31iVhwVzc9TX5EXJf9DA9ouZTxoiy96IbPQfgKvxOIKHr/781X32upyvdQemIKfew2sKy5g9Jh5M62b4u/9LsX3817kY0DGU5Ndsp79IkaIH5Uayfn3XergkUYRUjl9KwK5esky9QXARzUeCTYiD9x+riEF+iRnvd2KYXb/fZIz3p127NK90p4MSIKGIu8M/I08/VQjCnCbWYpzip1xugOyaQf'}} |
| 0:27:06.824717 | LOG | Server --------------------> DUT |
| 0:27:06.824717 | LOG | TX\_ACK: 02 e0d7 05 aa555a0000240409 |
| 0:27:11.614536 | LOG | PUSH\_ACK: 02 1654 01 |
| 0:27:11.616674 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1654, Identifier = 00, JSON = {'rxpk': [{'tmst': 1807648829, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ApwTgMS7C9v8j'}, {'tmst': 1807651277, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': -1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': 'OFF', 'lsnr': -11.0, 'rssi': -85, 'size': 75, 'data': '6Zfs6wt1GmDk9NU/0XVGaV7HwYIXgtMc++4dwlQ1ikhFgW3brJj4A+sDo+dP15ig6mWq7ipeDrmYji2Zheza937XQEMYgFwXsEPt'}]} |
| 0:27:11.616674 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04a7, FOpts: ), FPort: e0, FRMPayload: 0413, MIC: c2f6ff23) |
| 0:27:11.616674 | LOG | Server <-------------------- DUT |
| 0:27:11.616674 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7a8, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 65d15551) |
| 0:27:11.616674 | LOG | PULL\_RESP: Protocol version = 02, Token = acc4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1809648829, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AqKfgB8FKsFWx3xXXPvo2tRkrxgCSviubnDPrkcHlFWOX4BbJbqsFXuqeLz65J22qEFRQ043mc8Roxlvb+6fkeJ9D4Y76PEONs0CfRBH5LfRQH0tjcLLLTaQL9BWzovxofuIQ9CLZQowLj6lFnf1Nni2fqL7DZh6ToFTeN3h74/Fhg1z5gnJl3lBZYavwhJhydXhxmWWepXmDJmFqS8e9p9DE7gRRiT+NuXXib4+AmB+fvQ83CjRj8hJToHDsPxtEFLRNynwsb9AE02npr10pxMAiEex4fRSU5q59A5iFRcT5SviVsRrCCwOF6H7ocf+IKSabASxl0VVR'}} |
| 0:27:11.616674 | LOG | Server --------------------> DUT |
| 0:27:11.616674 | LOG | TX\_ACK: 02 acc4 05 aa555a0000240409 |
| 0:27:16.133980 | LOG | PULL\_DATA: 02 4384 02 aa555a0000240409 |
| 0:27:16.133980 | LOG | PULL\_ACK: 02 4384 04 |
| 0:27:16.456225 | LOG | PUSH\_ACK: 02 1655 01 |
| 0:27:16.456225 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1655, Identifier = 00, JSON = {'rxpk': [{'tmst': 1812491478, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AqATgwB6Oz0ZW'}]} |
| 0:27:16.456225 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04a8, FOpts: ), FPort: e0, FRMPayload: 0414, MIC: 8ecf4656) |
| 0:27:16.456225 | LOG | Server <-------------------- DUT |
| 0:27:16.456225 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7a9, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7ee278d1) |
| 0:27:16.456225 | LOG | PULL\_RESP: Protocol version = 02, Token = feff, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1814491478, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AqafgNSbqoUXSoMpL8n8RGjq7krjhudM+Cu36GHCUiP7596+YZS7BEFxxdbZd/rj8dwWv/lYCZQg6ys3Ld5/zz9qdq9zJ3SPR678WPT4F5M02/JkyIl6SLsDGDNI3jTkZcikIGLBRqtJKs3vBhKmb9hwnyTqFdLsX+c00o9fZRsoJ5HXgZpzjWCc9Y1/b/JF4bIC00eiS7m8yRfyX7XVR+4SyHdS8zWMKoAxm2N1UxYSLo1YustEjH68XsyLGHEaF2xUqFQSGE4nghp1f4p+9pDpOqp7L1ppFUDZOhIuzGxBJYf0mNEPwODErtrZCRETINCGtua5+4njR'}} |
| 0:27:16.456225 | LOG | Server --------------------> DUT |
| 0:27:16.456225 | LOG | TX\_ACK: 02 feff 05 aa555a0000240409 |
| 0:27:21.310162 | LOG | PUSH\_ACK: 02 1656 01 |
| 0:27:21.312220 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1656, Identifier = 00, JSON = {'rxpk': [{'tmst': 1817334057, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AqQTghuWwBeXm'}]} |
| 0:27:21.312220 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04a9, FOpts: ), FPort: e0, FRMPayload: 0415, MIC: b005e5e6) |
| 0:27:21.312220 | LOG | Server <-------------------- DUT |
| 0:27:21.312220 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7aa, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c56e4011) |
| 0:27:21.312220 | LOG | PULL\_RESP: Protocol version = 02, Token = 9cd4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1819334057, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AqqfgYTAbHbAZJ50WZJEtJMdzRun3fZp2meAhDViZgfEsLxYwvKNJ9oB/RKBAxIro0FGUED/+8cf1WHukwVW/0W3TsXmv0Vpe4Z25D7lEM8XTtyV46YRSXQ07m6bC/V/B005taS+Fa6mQHFsowEwFQ6KifJOWqj0/Ep9wGj34FS19Ctae0oi4uSzqCnX10WwV+LJTtzXw7/v1JlMecSVTxhIftkh1VNmcMeHcFlXCOE4omMMQkRmSS2PCgvaxPde5uXvzC3mb8PP6TrBl5pEGv2CbvQd87eWq2uEMCOAp6xqqzydVxB8aRhjwHLKhK7tHpXz14BrFbkAR'}} |
| 0:27:21.312220 | LOG | Server --------------------> DUT |
| 0:27:21.312220 | LOG | TX\_ACK: 02 9cd4 05 aa555a0000240409 |
| 0:27:26.156722 | LOG | PUSH\_ACK: 02 1657 01 |
| 0:27:26.158749 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1657, Identifier = 00, JSON = {'rxpk': [{'tmst': 1822176622, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AqgTg5rGaYxLv'}]} |
| 0:27:26.158749 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04aa, FOpts: ), FPort: e0, FRMPayload: 0416, MIC: 9a6312ef) |
| 0:27:26.158749 | LOG | Server <-------------------- DUT |
| 0:27:26.158749 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7ab, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a2f5dc39) |
| 0:27:26.158749 | LOG | PULL\_RESP: Protocol version = 02, Token = 925d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1824176622, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Aq6fg4sf93zBUZFfG+Juh8222exM3XFfnz3paIWBXuusJ318aEJ08CHhAFA/zZH0z/B65xGxpCm56dyfGPzAza57WY9gAW6QK893ln/j43vyMufh0ZVRJHNnX6lIFP03XOvqBlYyRl7zRvGF7rcfyNQUiKCu2QJSeEYwAOAPUElns78Di2lOzhU0eLE+Y/mDbAntJ0DAbcI8nRztchDc3lwsFBA6mqVMdHHg13tf/9scpJ7wec58LHDOPGQ7StNIFI7S+qi/A84SAllJ1kGdiSjuo6G4UCTxQpPDMklb/pgIs4z10cOPAOrEvuHA898mbos9fGhei9dw5'}} |
| 0:27:26.158749 | LOG | Server --------------------> DUT |
| 0:27:26.158749 | LOG | TX\_ACK: 02 925d 05 aa555a0000240409 |
| 0:27:26.166853 | LOG | PULL\_DATA: 02 5940 02 aa555a0000240409 |
| 0:27:26.166853 | LOG | PULL\_ACK: 02 5940 04 |
| 0:27:31.038733 | LOG | PUSH\_ACK: 02 1658 01 |
| 0:27:31.038733 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1658, Identifier = 00, JSON = {'rxpk': [{'tmst': 1827019253, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AqwTgD11Beiwy'}], 'stat': {'time': '2021-08-03 21:12:20 GMT', 'rxnb': 7, 'rxok': 6, 'rxfw': 7, 'ackr': 85.7, 'dwnb': 6, 'txnb': 6}} |
| 0:27:31.038733 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04ab, FOpts: ), FPort: e0, FRMPayload: 0417, MIC: 417a2c32) |
| 0:27:31.038733 | LOG | Server <-------------------- DUT |
| 0:27:31.038733 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7ac, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: fafab9c2) |
| 0:27:31.038733 | LOG | PULL\_RESP: Protocol version = 02, Token = 262f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1829019253, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ArKfgefE79VrwklVzZ3sB7Qy8uISyJo9zBXC2OPUeXGWtKjSgziWNq68UBjuh9BIRlfMHsKUTykeukSKFItCXJ9OvUXxqL6QF3tb1lAmeYogwhdkZHCRHUTzXcvf90aHdmGo5MGbPlWFASkBLbTB6vTzVLjEB6JqXYTCbsHtorbkn2d6g9t/4YUMGCw8inrOOIRpWxn4ZH9MEmxSFZeSZbzzmZhdnDLsEFOBHG4dV1YbpnXjjSMtcH3oXhlaoxQXWpcEVRvs5wxdTyVOq6+CCcmCMN3dOCVBRqvEqLqFclVIK18Nfb6lHxsJrg4yuRV1EoBPBEtb6+rnC'}} |
| 0:27:31.038733 | LOG | Server --------------------> DUT |
| 0:27:31.038733 | LOG | TX\_ACK: 02 262f 05 aa555a0000240409 |
| 0:27:35.862153 | LOG | PUSH\_ACK: 02 1659 01 |
| 0:27:35.864291 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1659, Identifier = 00, JSON = {'rxpk': [{'tmst': 1831902367, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ArATgr/KBFmop'}]} |
| 0:27:35.864291 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04ac, FOpts: ), FPort: e0, FRMPayload: 0418, MIC: 81166a29) |
| 0:27:35.864291 | LOG | Server <-------------------- DUT |
| 0:27:35.864291 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7ad, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d756bf5f) |
| 0:27:35.864291 | LOG | PULL\_RESP: Protocol version = 02, Token = 8951, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1833902367, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Arafg3sVvY1/RZ+VvUH+nTd/Jn3kOz9gG7QM+9MKAvA64tIbV/8iP7GMdFNV7+xj5Y0YBZWNAAlyIGLnAzI6sX9ZyNmgYg6v9lyqhHy2iGsUei3ZDhQh6RaWqHAHswcHYxZfM4ZJG8Kwi2VUB+f2f85loAEplODgWuv2kx8Q8HH3rngng4Yy+J0fKLO8npdAtV4pEHvJFZZ2w2mw3zIARn5Wcb4s5PH4SJWB8fzpPN5tGfUFNEWqZK4qMR3Iw9hTDIki2de2D9OIlu79kkJ32Pyqw4fJqzbbtZT5G3suWwcpSsd6onEn+NSZzat8FAjcJyyPk0knXVr9f'}} |
| 0:27:35.864291 | LOG | Server --------------------> DUT |
| 0:27:35.864291 | LOG | TX\_ACK: 02 8951 05 aa555a0000240409 |
| 0:27:36.283690 | LOG | PULL\_DATA: 02 c440 02 aa555a0000240409 |
| 0:27:36.283690 | LOG | PULL\_ACK: 02 c440 04 |
| 0:27:40.734347 | LOG | PUSH\_ACK: 02 165a 01 |
| 0:27:40.736367 | LOG | PUSH\_DATA: Protocol version = 02, Token = 165a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1836744952, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6ArQTgg7PezJsO'}]} |
| 0:27:40.736367 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04ad, FOpts: ), FPort: e0, FRMPayload: 0419, MIC: decc9b0e) |
| 0:27:40.736367 | LOG | Server <-------------------- DUT |
| 0:27:40.736367 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7ae, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 53280c43) |
| 0:27:40.736367 | LOG | PULL\_RESP: Protocol version = 02, Token = 5e69, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1838744952, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ArqfgAruRlj6wrQul8J6DHLqGcOkDFhVwdfrh34HpbP6fOcZBOj8QG4kVvBwOAfcB5wCiv7HfBUHPhQYWDhycPamkcUJdVzOiQckHSN5nrm+DrP/HkEIY1uWnfIjUy+KzYCnhtgUgt075TFCYm6S7epxzsJNYEXmc56vzieZb9RPA+SyffllIMql4J/j3pJh620ULCT9HNL3RcL6G3IJJ3TBWzXWCYdILxnSi8s++mMHaOgFsHFrDXWqyWnppIv+Mu1ninP1/Tz7CZVtZji7OnpSRYEyzViQoJbx6GmobGTFCuIwSeiiBrf+fDsgYES0XBKn/wE1TKAxD'}} |
| 0:27:40.736367 | LOG | Server --------------------> DUT |
| 0:27:40.736367 | LOG | TX\_ACK: 02 5e69 05 aa555a0000240409 |
| 0:27:45.556936 | LOG | PUSH\_ACK: 02 165b 01 |
| 0:27:45.558983 | LOG | PUSH\_DATA: Protocol version = 02, Token = 165b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1841587592, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ArgTgSRuyJ9ee'}]} |
| 0:27:45.558983 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04ae, FOpts: ), FPort: e0, FRMPayload: 041a, MIC: b227d79e) |
| 0:27:45.558983 | LOG | Server <-------------------- DUT |
| 0:27:45.558983 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7af, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5022847b) |
| 0:27:45.558983 | LOG | PULL\_RESP: Protocol version = 02, Token = f0a2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1843587592, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Ar6fgZurjqrx1uIT8TgcWKV3J/mmSn1eViCSFx07xXJL+Yoydzk9WkfPlnVWgLFvxZ2YnybKgdcWxrze1zdDtHWDjRecU3hdm4I6/B0td2sqiWV6CIMyBDLQRGJR6TPrUAPFYvEjJDOIJLy/0Ekwdb0zXY9+LKFN+jhd6pWgl8dM30u+2G7qa/UMm0tWMvv1s8Zsn3Bo+zhJyv6l1SIAhZmvHubgxBsEYndMQ2beIMN5mNAhvMCDUUZ46V74+X+QRWqLRSFmOATPlYp3mW3bToWTic/b4yZC/5c61s+69YGm0V6wtLbUwavJGDLDwmzQAdtx0TilQIoR7'}} |
| 0:27:45.558983 | LOG | Server --------------------> DUT |
| 0:27:45.558983 | LOG | TX\_ACK: 02 f0a2 05 aa555a0000240409 |
| 0:27:46.397017 | LOG | PULL\_DATA: 02 a70f 02 aa555a0000240409 |
| 0:27:46.397017 | LOG | PULL\_ACK: 02 a70f 04 |
| 0:27:50.411027 | LOG | PUSH\_ACK: 02 165c 01 |
| 0:27:50.413051 | LOG | PUSH\_DATA: Protocol version = 02, Token = 165c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1846430400, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ArwTgN4SG1mGD'}]} |
| 0:27:50.413051 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04af, FOpts: ), FPort: e0, FRMPayload: 041b, MIC: 86d66183) |
| 0:27:50.413051 | LOG | Server <-------------------- DUT |
| 0:27:50.413051 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7b0, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8da2495c) |
| 0:27:50.413051 | LOG | PULL\_RESP: Protocol version = 02, Token = 4c1e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1848430400, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AsKfgnmN+wSFz55un1+wyc3SHzkUsjUVSXgaN1c/qMdfJ3zMZAC4oQrmbY6Mpm6lkVpHDJkXwu4i5fUeQvJA8pNRtZWEUnHSHZJalUm1Z9QulI1OcROOJb6yqiKhWOazajRwkgDRxtl4YosPzy/hMWlgxq9hyq6lEbSS8qG1DyQrSv0reGIMxo2XdR3bIJWBUgyt8/VBdjgjiYwA77+BmHzSEdPmQDG4Uutn0V5mgcC/jIyxwiDltmWGzCGL4YRBV6P3IJP0ZxigrbdFuGR7ZObB4q/zHaBRNzaIfXvLv/4NduPOzjILA8Tn5KMNPkgqO8U5LNyaNoklc'}} |
| 0:27:50.413051 | LOG | Server --------------------> DUT |
| 0:27:50.413051 | LOG | TX\_ACK: 02 4c1e 05 aa555a0000240409 |
| 0:27:55.238132 | LOG | PUSH\_ACK: 02 165d 01 |
| 0:27:55.240210 | LOG | PUSH\_DATA: Protocol version = 02, Token = 165d, Identifier = 00, JSON = {'rxpk': [{'tmst': 1851272945, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AsATgaHXvl/Sc'}]} |
| 0:27:55.240210 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04b0, FOpts: ), FPort: e0, FRMPayload: 041c, MIC: ef97f49c) |
| 0:27:55.240210 | LOG | Server <-------------------- DUT |
| 0:27:55.240210 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7b1, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9ff2b603) |
| 0:27:55.240210 | LOG | PULL\_RESP: Protocol version = 02, Token = 4c67, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1853272945, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Asafg0OvQ8d3mc5iiHFSEmcs4vYaohaOfdU5CC/aegCNWtuRLC1pS6ZGSG4l3INgtSoffNaBTfEFKpvXA/xKAZ/VX8O4jXRU79Ikf02PkdGLh6jVirNKzj30pj31I7THmwHtSjHj6BWTVOMqDjvQyJbAyQzqgsfdiyq6y3EipdhZmWvRmULrZJIhxBrFYU29uoUe4DiFVpn1gU1LxFwjoU5tAonNvBjWU/FL7FXqlPyLbMf5QWs2kHlPtSgFwxKHvNvIGUNelkYdTNvzRcF3qO8CmqbpVO9YiBu2Bh7NM+v+LihEatbH4IBG2Uoyqf6h9ACyb1pef8rYD'}} |
| 0:27:55.240210 | LOG | Server --------------------> DUT |
| 0:27:55.240210 | LOG | TX\_ACK: 02 4c67 05 aa555a0000240409 |
| 0:27:56.478179 | LOG | PULL\_DATA: 02 712b 02 aa555a0000240409 |
| 0:27:56.478179 | LOG | PULL\_ACK: 02 712b 04 |
| 0:28:00.089954 | LOG | PUSH\_ACK: 02 165e 01 |
| 0:28:00.089954 | LOG | PUSH\_DATA: Protocol version = 02, Token = 165e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1856115576, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AsQTgvoiGXwIW'}]} |
| 0:28:00.089954 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04b1, FOpts: ), FPort: e0, FRMPayload: 041d, MIC: 865f0216) |
| 0:28:00.089954 | LOG | Server <-------------------- DUT |
| 0:28:00.089954 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7b2, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1b8e2cc4) |
| 0:28:00.089954 | LOG | PULL\_RESP: Protocol version = 02, Token = 644c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1858115576, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Asqfga9aKQ0BN6HwrXX6B8qDSHksz53FHImZ5nb/6ZtBtuOitD+GlhdOMAXhrIRxnR71WuQjKBreuMhfQaQW0dLUAxo66t2wm3Pyi1aBpWLIXh2vASKgDwZw4kxxwZSNjF/jVk23z5uPTEoIHdaM5GK1kKmQRuAF66u4YMKMECKZ5OsuIX+zAWGOojMiShAmX2S15IoXaJ+FqZ8gQOmPA4w2vXePvcg2YJj2gPmMJeUq6gAEy/+bozLJvu8QVshJ1jt8nGt3A6ofdPFO8z3nuSV2/VXt1pkZ+72bnb8Jn8FG9GXMAEiBMVMB7F2KKRTdo1L/YqYEbjizE'}} |
| 0:28:00.089954 | LOG | Server --------------------> DUT |
| 0:28:00.089954 | LOG | TX\_ACK: 02 644c 05 aa555a0000240409 |
| 0:28:04.957546 | LOG | PUSH\_ACK: 02 1660 01 |
| 0:28:04.958694 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1660, Identifier = 00, JSON = {'rxpk': [{'tmst': 1860958135, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AsgTgkLvbbg0X'}]} |
| 0:28:04.958694 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04b2, FOpts: ), FPort: e0, FRMPayload: 041e, MIC: db6e0d17) |
| 0:28:04.958694 | LOG | Server <-------------------- DUT |
| 0:28:04.958694 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7b3, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 37d0507b) |
| 0:28:04.958694 | LOG | PULL\_RESP: Protocol version = 02, Token = 4760, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1862958135, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4As6fgZ5IO21xECrXWY+/KsQ+g1pjW6a2dZ3supFX7HdFibOelVCcs3DLxURRfUgC7NWMl5q8FP3e1EWNzw7bPXFnCY11Nxd7Ih6YaA9OkKCc9lUmH3zaM8GTEfyGtVU7BwwLI48jLQQoTbvK9XfEmTDXb6abQYPmlE/yV1ZnU3tYZZjMBgC2Vs66akeYVEkDJE0KvGrw7FA2ig4Ry4XGzM4fGKnH1gM5fLJdZXtDUNuOqs64yrC3asCaegFUj6ZAUNdE2k+1rT7LJjeBrPKBL4jnkFqWQKAgQQSafei7cr8nwynSms6vx/vLZSU8XbrTcDdgzJBs30FB7'}} |
| 0:28:04.958694 | LOG | Server --------------------> DUT |
| 0:28:04.958694 | LOG | TX\_ACK: 02 4760 05 aa555a0000240409 |
| 0:28:06.624620 | LOG | PULL\_DATA: 02 483e 02 aa555a0000240409 |
| 0:28:06.624620 | LOG | PULL\_ACK: 02 483e 04 |
| 0:28:09.806801 | LOG | PUSH\_ACK: 02 1661 01 |
| 0:28:09.806801 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1661, Identifier = 00, JSON = {'rxpk': [{'tmst': 1865800696, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AswTgYBH9WiSE'}]} |
| 0:28:09.806801 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04b3, FOpts: ), FPort: e0, FRMPayload: 041f, MIC: fd5a2484) |
| 0:28:09.806801 | LOG | Server <-------------------- DUT |
| 0:28:09.806801 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7b4, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f62d98f1) |
| 0:28:09.806801 | LOG | PULL\_RESP: Protocol version = 02, Token = bab0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1867800696, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AtKfggMylqt7pQH68LGfflt58oTz8dKY/9Xc8F13xWTsvtAjOJKg3B8kSLyJej3sJdC0sM5ylM4qcRWKsickgFqAlzVeVU5rldkWTADGNWDtDdBtjk9IUQUcAXjDtnF4zj5SbZ3hwuwaR4irbdaVVFbzKBEnKLpx7fNU6a4wY65yOVpsptnhWuClaeg8OVeNxrWpMKirQcacpGPacIvWbQ/NE9NldOGCSdEf0cXhsVt7SvZhr5ZH2v0euSzyJBk3nHLcgaIWzKFccaN0abzhqNMOSPm7Czv6zDNM1uNLLj4t+6tbSp6lJFqI0n/qwjspECWgVif72LZjx'}} |
| 0:28:09.806801 | LOG | Server --------------------> DUT |
| 0:28:09.806801 | LOG | TX\_ACK: 02 bab0 05 aa555a0000240409 |
| 0:28:14.718001 | LOG | PUSH\_ACK: 02 1662 01 |
| 0:28:14.718001 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1662, Identifier = 00, JSON = {'rxpk': [{'tmst': 1870683778, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AtATglgrwk3IJ'}]} |
| 0:28:14.718001 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04b4, FOpts: ), FPort: e0, FRMPayload: 0420, MIC: f0937209) |
| 0:28:14.718001 | LOG | Server <-------------------- DUT |
| 0:28:14.718001 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7b5, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f162183f) |
| 0:28:14.718001 | LOG | PULL\_RESP: Protocol version = 02, Token = e1af, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1872683778, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AtafgDCKkNHw8w6Awo0qdrG/ROjXO+CHTPpM4HVEM7aWehIYZj46SaOt0Boa2MbXP8yp3ZJHajZGjPUqHnWPZT3dWeXRbboVW/gD85iuWSEUu0ArRq0u8wQLlBi0eDjIS+EMoOAVVdlcimVinGxueR8W5D14DQsuZskzXvgrFSXLuHz8UcsS4IYS11MUNHRycga+ZsgyDCqMOlYFkd4wHZd2omoeeHoZjXMPxvoTHKQJgCDzzlCIQ10/cfzVBp2r3M5e7XjmvdztyGyPEp6VRmyEbTuygZdB7wgo0AoMpRHuIotmGlsgexJjvsUPBcdCiR+D/A9HxYhg/'}} |
| 0:28:14.718001 | LOG | Server --------------------> DUT |
| 0:28:14.718001 | LOG | TX\_ACK: 02 e1af 05 aa555a0000240409 |
| 0:28:16.798784 | LOG | PULL\_DATA: 02 e40b 02 aa555a0000240409 |
| 0:28:16.798784 | LOG | PULL\_ACK: 02 e40b 04 |
| 0:28:19.502497 | LOG | PUSH\_ACK: 02 1663 01 |
| 0:28:19.504560 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1663, Identifier = 00, JSON = {'rxpk': [{'tmst': 1875526442, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AtQTgYu3D6qx9'}]} |
| 0:28:19.504560 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04b5, FOpts: ), FPort: e0, FRMPayload: 0421, MIC: c3eaac7d) |
| 0:28:19.504560 | LOG | Server <-------------------- DUT |
| 0:28:19.504560 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7b6, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5d5b9ca7) |
| 0:28:19.504560 | LOG | PULL\_RESP: Protocol version = 02, Token = 34dd, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1877526442, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AtqfgYtaVIb2bj7+k9RiO8TyD2e1K7GYapjjZli7iNEf+K+xMCaCm0xOpuxiObPS5G7ZBBaAd3gkZmobNZXD2CG54GqE3oJWTHPpUMLqITcvoDk/aZC09Gk44i45BoS39QWkfMZd0fvbJBEDq8ENoMclejACV9w43UNMVCm+ixvcswOkeUti5V2zli6yglOwlAfvckLpqbgd3NWmHU9v5gvcfbtvhKHz11wmG2/K3rkEbZIRv6wCSNim4CYAwkhIIbw+Lz27T+64HKvoCzNZaDAZisy0JiAFYPfnhusqnzOl1cugwiFPmErvAFE8V0bW4r946TWZdW5yn'}} |
| 0:28:19.504560 | LOG | Server --------------------> DUT |
| 0:28:19.504560 | LOG | TX\_ACK: 02 34dd 05 aa555a0000240409 |
| 0:28:24.347320 | LOG | PUSH\_ACK: 02 1664 01 |
| 0:28:24.349339 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1664, Identifier = 00, JSON = {'rxpk': [{'tmst': 1880369049, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AtgTgceWrCeOz'}]} |
| 0:28:24.349339 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04b6, FOpts: ), FPort: e0, FRMPayload: 0422, MIC: ab09e3b3) |
| 0:28:24.349339 | LOG | Server <-------------------- DUT |
| 0:28:24.349339 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7b7, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b0b725f2) |
| 0:28:24.349339 | LOG | PULL\_RESP: Protocol version = 02, Token = 584a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1882369049, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4At6fggiSRzfWRtGqlm/tvaNQZFM/QpTzEecLtLNJ44+kyiVvcDwrRQGsWBCtvOKiWtcLATYNPu76W+t1HinBzK3BIREJsXwWqDP8qfrnnfbODEWdrde8NajL6zBBDUsGnIv1y9C77TQaodSIJIhkYqrmQeRKKqzhb2D5Ce8jVSmRyDD6KFsKTlfeAMODIgCBPFOPKYLkwbcP4oN0A8cyCYJEkamQbyAynYS3Iefi4MCs2z7Qh+r/JZCEP5wBBkqQVrH6pZEKZZErLeuaEZWj/ILN6zRVsLmUWsRXrLtfjbOv3vPpNwK2m75VHfettmu9RwpGn9AmwtyXy'}} |
| 0:28:24.349339 | LOG | Server --------------------> DUT |
| 0:28:24.349339 | LOG | TX\_ACK: 02 584a 05 aa555a0000240409 |
| 0:28:26.823744 | LOG | PULL\_DATA: 02 3edf 02 aa555a0000240409 |
| 0:28:26.823744 | LOG | PULL\_ACK: 02 3edf 04 |
| 0:28:29.225787 | LOG | PUSH\_ACK: 02 1665 01 |
| 0:28:29.227809 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1665, Identifier = 00, JSON = {'rxpk': [{'tmst': 1885211650, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AtwTgHS8/jJKF'}]} |
| 0:28:29.227809 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04b7, FOpts: ), FPort: e0, FRMPayload: 0423, MIC: 3f8c9285) |
| 0:28:29.227809 | LOG | Server <-------------------- DUT |
| 0:28:29.227809 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7b8, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 2a61c6d0) |
| 0:28:29.227809 | LOG | PULL\_RESP: Protocol version = 02, Token = e3e2, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1887211650, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AuKfgmRaNN8rW/ZPhLiJkoe9mYV5uUVX9iPnL8Qt1rFck5MrC8c43ifbJc74JjhqOTQSw8t/4P9MLEC+cy/EGLrtoRJnFh2TdjXIblD8MY00D/YjPj+XLtvwk3SQeyq4MNZTqxIOT05zwjxPTcPuOzOT2mXMiySRVyUsSY3SPiHD3FHNGln0ajwNP0iNYdTLVUh8vKJCJQylcGiTxR/OOq/uuWCxGjlzwXjEH0r+UZYumSzV9htWN8x3INsAN6Ozrr4bzJDrncPIWeICr/qKKnzG0/d1bqg//cGcAwWkUaYJsWa4GxUqD6oioObforJ75Ua3meHoqYcbQ'}} |
| 0:28:29.227809 | LOG | Server --------------------> DUT |
| 0:28:29.227809 | LOG | TX\_ACK: 02 e3e2 05 aa555a0000240409 |
| 0:28:34.076889 | LOG | PUSH\_ACK: 02 1667 01 |
| 0:28:34.078947 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1667, Identifier = 00, JSON = {'rxpk': [{'tmst': 1890054210, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AuATgAl0DodBU'}]} |
| 0:28:34.078947 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04b8, FOpts: ), FPort: e0, FRMPayload: 0424, MIC: 03a1d054) |
| 0:28:34.078947 | LOG | Server <-------------------- DUT |
| 0:28:34.078947 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7b9, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 273a363a) |
| 0:28:34.078947 | LOG | PULL\_RESP: Protocol version = 02, Token = 9595, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1892054210, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AuafgrnpfvLDrdSSdvmcfv/WTd4NDOZz8JLpc+7dApTLJRXrd7hItQGXkDlYQ0BRiu2sHdLJyCVfEyaIAf+L0mPvSoZC3DEF9ae6UtYL9jONLNRZwWiHUK4BckmjAbg0KwePi2kMkNS70w2xC2oGkx27jICTdCNu5gWWNiXtTdKBck56Te2teZM1wa1Nn1KwipAtw0ofYVic878+CIg6gubhzCptUzCPgiOKfpVFHZ1DmtTQ2Uw+NcmC6o/zaYfhswYx3F/Rgg0VRgDWt095v0V0GhY+VSrhI6OdYA0qzgN3H8m1whfjHNSWFrwCe+SsjoALkkbQnOjY6'}} |
| 0:28:34.078947 | LOG | Server --------------------> DUT |
| 0:28:34.078947 | LOG | TX\_ACK: 02 9595 05 aa555a0000240409 |
| 0:28:36.977372 | LOG | PULL\_DATA: 02 bd8f 02 aa555a0000240409 |
| 0:28:36.977372 | LOG | PULL\_ACK: 02 bd8f 04 |
| 0:28:38.869150 | LOG | PUSH\_ACK: 02 1668 01 |
| 0:28:38.871167 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1668, Identifier = 00, JSON = {'rxpk': [{'tmst': 1894896874, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AuQTgbo59aZpz'}]} |
| 0:28:38.871167 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04b9, FOpts: ), FPort: e0, FRMPayload: 0425, MIC: 7d699a73) |
| 0:28:38.871167 | LOG | Server <-------------------- DUT |
| 0:28:38.871167 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7ba, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 2e6e3868) |
| 0:28:38.871167 | LOG | PULL\_RESP: Protocol version = 02, Token = 80ac, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1896896874, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AuqfgLv6v4vg59pk+C3Y83/pHmThMeyU5I2hFLeQWfs9ZIgzw7uZqiFzBuJzZnp+Zv18sWZolw0J0VPS2SQQEBpEh0D0wpjklOqCaMYcTuhk2YHRpltaHHBgpjzMTmscAuUBUJHV5zeGE3qPQJ/3p1Q4DP5abLM5fwixwxZV7CXFI2Xo87aNWYmYG6E02iVgL5/hMQsr+f6EjkTHI4wedjKCkfoT/pHJnggpUkqvwviGnG40N4+4XWPvRDZGwqvoQvI7OjBoIjZjiV+y1DMvqpTtf9g0KwYq4kJBT0iI7l0JVByPKn4pxsW4IJzD2ojfmmt46keIubjho'}} |
| 0:28:38.871167 | LOG | Server --------------------> DUT |
| 0:28:38.871167 | LOG | TX\_ACK: 02 80ac 05 aa555a0000240409 |
| 0:28:43.722683 | LOG | PUSH\_ACK: 02 1669 01 |
| 0:28:43.724729 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1669, Identifier = 00, JSON = {'rxpk': [{'tmst': 1899739673, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AugTgtQtkPq9U'}]} |
| 0:28:43.724729 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04ba, FOpts: ), FPort: e0, FRMPayload: 0426, MIC: 643eaf54) |
| 0:28:43.724729 | LOG | Server <-------------------- DUT |
| 0:28:43.724729 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7bb, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 647cd8c5) |
| 0:28:43.724729 | LOG | PULL\_RESP: Protocol version = 02, Token = d6ab, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1901739673, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Au6fgIUkY4IVAtpKV2lSF5XzoP6QGjzp9plPIuXMIAQZQXN/QEZ6y3rRa5Ej1uCjaVg9ZoeSWD6A+TcYF511K53GAwzfLQ7Qvn4oV8deWKsxxPGQMJLDcNIckQnUar4KGyczmGGkn1MGKayCFCZiZRxiwtKTLWiy/m4h76sEiO0iWRg3UQp70GMfNaOtDBoNwP+0DjIKHDEaD2ahxMsNQiEFP480invFlns0KMDz/4viP3nW9VtN0hYbyzyVb4W6BWR0f3eAiCvBf4y6HcfWPh8+hXNirjvsAKRI7M8ayqLTbWdLPvocpkf+3MICEVvmuW3ZX28RkfNjF'}} |
| 0:28:43.724729 | LOG | Server --------------------> DUT |
| 0:28:43.724729 | LOG | TX\_ACK: 02 d6ab 05 aa555a0000240409 |
| 0:28:46.992047 | LOG | PULL\_DATA: 02 c93d 02 aa555a0000240409 |
| 0:28:46.992047 | LOG | PULL\_ACK: 02 c93d 04 |
| 0:28:48.553760 | LOG | PUSH\_ACK: 02 166a 01 |
| 0:28:48.555801 | LOG | PUSH\_DATA: Protocol version = 02, Token = 166a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1904582288, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AuwTgiXS/kbIU'}]} |
| 0:28:48.555801 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04bb, FOpts: ), FPort: e0, FRMPayload: 0427, MIC: bf91b214) |
| 0:28:48.555801 | LOG | Server <-------------------- DUT |
| 0:28:48.555801 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7bc, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 434c1842) |
| 0:28:48.555801 | LOG | PULL\_RESP: Protocol version = 02, Token = af11, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1906582288, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AvKfggEiUk1xp4JEzvulV0gBqlykdBLKpE3tJvrOnoYznP1smTbn/yIx0ZOpxxmjflx/vRos2EhU93gjGILFey1VLxfXQp5j9NF3PSF3BcowIgwwD4Xlyi8uXfps9eAfK0R+5Dzm/ntqGtCs9733Gws/dhslnDU2VJ1lLBLuePQBGFWbWKRDZBvlQHq5uN099uKoQfSpy0iRhHUN9sEEaZeAFQp4Do+Y2LMtdcrK4eCf3NDf6Y8f9tY6N1UDyorOylQ11tkMVo0ZqSQvGSB/3QK/VgJieKBQdxwx0k5CY129PKTdbu5snXUVYoJNwzCsaFyPpGHdDTBhC'}} |
| 0:28:48.555801 | LOG | Server --------------------> DUT |
| 0:28:48.555801 | LOG | TX\_ACK: 02 af11 05 aa555a0000240409 |
| 0:28:53.502925 | LOG | PUSH\_ACK: 02 166b 01 |
| 0:28:53.502925 | LOG | PUSH\_DATA: Protocol version = 02, Token = 166b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1909465387, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AvATg+OKNUzUc'}]} |
| 0:28:53.502925 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04bc, FOpts: ), FPort: e0, FRMPayload: 0428, MIC: 8d53351c) |
| 0:28:53.502925 | LOG | Server <-------------------- DUT |
| 0:28:53.502925 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7bd, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 71e5e314) |
| 0:28:53.502925 | LOG | PULL\_RESP: Protocol version = 02, Token = fceb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1911465387, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Avafg3xNdqwLMZYZ2L7+GdqsqXES2CI1eTqp4OsHwzo+99cjeRFleWXE+BvlOBIVfLF62/oom9GOxlwPlhGOllhaI27s1Yduh8KCDl1qsMaMcTM/OWtHAfNdKFiFKU9rIjUo/ViEjk7/iRZuHmEY3zI1R9vgBN1lDobCcn9AD2/wTabC/1YyiLDAMxY0tfZ8kA0sxN1g8KntyzJXrcVIR63gTJhTqguc4FyrWLzyTSGpOnMk5w3C+lIBwnzrYB0DnqkNGyUnfRFZkTgkSdbgsHcLs62AdMp8P5dWyzvMi3AaWUAZfki2gOi/yhd7KclFKdsaHu9Nx5eMU'}} |
| 0:28:53.502925 | LOG | Server --------------------> DUT |
| 0:28:53.502925 | LOG | TX\_ACK: 02 fceb 05 aa555a0000240409 |
| 0:28:57.012424 | LOG | PULL\_DATA: 02 e784 02 aa555a0000240409 |
| 0:28:57.012424 | LOG | PULL\_ACK: 02 e784 04 |
| 0:28:58.282423 | LOG | PUSH\_ACK: 02 166c 01 |
| 0:28:58.282423 | LOG | PUSH\_DATA: Protocol version = 02, Token = 166c, Identifier = 00, JSON = {'rxpk': [{'tmst': 1914308035, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AvQTgyD5pogtb'}]} |
| 0:28:58.282423 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04bd, FOpts: ), FPort: e0, FRMPayload: 0429, MIC: 69a20b5b) |
| 0:28:58.282423 | LOG | Server <-------------------- DUT |
| 0:28:58.282423 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7be, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 41807d3e) |
| 0:28:58.282423 | LOG | PULL\_RESP: Protocol version = 02, Token = 5c76, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1916308035, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AvqfgqmrGR7j5ez8GcdMIi5cJqaLlzJpcCzn2R7Dkt8vNiR3e+VyI4leeUrwVtg5KbGBuGH/AL5ZvCWuXYagy1fp1XjjwBOyaTwBjSf/0vtw2aWTol+cPfitahVdlF6QlDWJw7RwtAoFnSYmDp+wQEVGm6lBveEGa0HEJlHHkgOss9hkA1AyGk4hkLxV8A0AcXzCiWK23NZVfqxLikVQyWoumKySkiQ9/9RWir6j1XyLYmvW1zL3rXgJ0mEOUuN9R+r0KLguN7LBXVAXj3fsb+ch2R4Ey4DDpnkZ6KM4P9BzyTq+FW/YsZ35dX1IwskwPK2VdEyBBgH0+'}} |
| 0:28:58.282423 | LOG | Server --------------------> DUT |
| 0:28:58.282423 | LOG | TX\_ACK: 02 5c76 05 aa555a0000240409 |
| 0:29:03.116535 | LOG | PUSH\_ACK: 02 166e 01 |
| 0:29:03.118580 | LOG | PUSH\_DATA: Protocol version = 02, Token = 166e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1919150641, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AvgTgDDKO2YUi'}]} |
| 0:29:03.118580 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04be, FOpts: ), FPort: e0, FRMPayload: 042a, MIC: 8ed98522) |
| 0:29:03.118580 | LOG | Server <-------------------- DUT |
| 0:29:03.118580 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7bf, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 55a74571) |
| 0:29:03.118580 | LOG | PULL\_RESP: Protocol version = 02, Token = e246, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1921150641, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Av6fg7uIKwMMbG1xu/6URlKpgvpOukz7V7WxdzxQNjHwmRcbMCRmEeEQI6tz5ZassRLCo2aAfFd32Cx1MLy12sTQ+n3yK8bKmzGuvg0Q4Itj7Nvw5UY91H9LBu7e2RLQT+Jttw7V/w2d4VuNetzfMRNv79lySElWEp/5wvl+kl8OLAxewffi9UvV6N/qptdtaeTN0TALpJCyXNimEXAvzOOgKCZOn54YU3lKsHxsJtTQ+KsSzbakisN/1gdEImdzf6dX4jxVoWgqy5i126NrOl4RHwrjWfP+LEPSj88K7ZAkKO53nnEgvep36gRLx1mxymF5kHGJVp0Vx'}} |
| 0:29:03.118580 | LOG | Server --------------------> DUT |
| 0:29:03.118580 | LOG | TX\_ACK: 02 e246 05 aa555a0000240409 |
| 0:29:07.040712 | LOG | PULL\_DATA: 02 cfb5 02 aa555a0000240409 |
| 0:29:07.040712 | LOG | PULL\_ACK: 02 cfb5 04 |
| 0:29:08.012808 | LOG | PUSH\_ACK: 02 166f 01 |
| 0:29:08.014854 | LOG | PUSH\_DATA: Protocol version = 02, Token = 166f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1923993217, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AvwTg+D61QFSv'}]} |
| 0:29:08.014854 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04bf, FOpts: ), FPort: e0, FRMPayload: 042b, MIC: b54054af) |
| 0:29:08.014854 | LOG | Server <-------------------- DUT |
| 0:29:08.014854 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7c0, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ed0dd867) |
| 0:29:08.014854 | LOG | PULL\_RESP: Protocol version = 02, Token = ca5d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1925993217, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AwKfgFmUPycuZUATqTCICkfe152yNniSOR4im29xfqWQIVOEdWJV++xVPN0T7eFMSUs+tSVEP/e1rYUKIVq6LM+BGGeaB1AkDlC8Vw/OjAE2OeQXBFqpnXligWYa0Zg5EuFd36HGzSO6k7dwmzRlGBbjus800dI3ZX/g9bK85fqSdDQH8qWJoLJHrc7MernulNCgvYCBlGnIv8KilgF3VISL3jeXTK5S8mn0hVUS1JexMLwMl4DoyyzVYmotcNUuIunnCWIpSWxoABZtcjeYVNCWkr8ILEuggo70FwAtqMqXCHo/HBlJAwHBdNhIM18iptwWbkA/tDdhn'}} |
| 0:29:08.014854 | LOG | Server --------------------> DUT |
| 0:29:08.014854 | LOG | TX\_ACK: 02 ca5d 05 aa555a0000240409 |
| 0:29:12.842110 | LOG | PUSH\_ACK: 02 1670 01 |
| 0:29:12.842110 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1670, Identifier = 00, JSON = {'rxpk': [{'tmst': 1928836018, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AwATgVMU00P2E'}]} |
| 0:29:12.842110 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04c0, FOpts: ), FPort: e0, FRMPayload: 042c, MIC: 34d0fd84) |
| 0:29:12.842110 | LOG | Server <-------------------- DUT |
| 0:29:12.842110 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7c1, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8d15347b) |
| 0:29:12.842110 | LOG | PULL\_RESP: Protocol version = 02, Token = 395d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1930836018, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AwafgYbHW2ye+/kYZVGYYx13Dt85rpRw5kKVbKwSMv9F8IGvkc9iA24hIr28xnwBkfFHGEg9OuwMah3OPVPkFbiZuGwwnWUv2cOxMKGSvYMAD7mzzLj8Erpl57aQ3C08hxTlTseOmEBJ4R1wCYSTdxaROscDQyPcGGzb9MOUynNGUK5dloJGF9AAOOOBYy5uKU8xS0G6aAAsdy2wCoQ7dnEgkBEIyzCAYZ5sa3uJVH7KigLRjd+xb8EURM6SF4iFeBfJM/yDXe8MyHvD5IZraJFimoioI3PG8hmJsob40lqPH4i3NmkZdVgyO+c7dPFC0BZ6zO0+NFTR7'}} |
| 0:29:12.842110 | LOG | Server --------------------> DUT |
| 0:29:12.842110 | LOG | TX\_ACK: 02 395d 05 aa555a0000240409 |
| 0:29:17.158890 | LOG | PULL\_DATA: 02 1d4b 02 aa555a0000240409 |
| 0:29:17.158890 | LOG | PULL\_ACK: 02 1d4b 04 |
| 0:29:17.648960 | LOG | PUSH\_ACK: 02 1671 01 |
| 0:29:17.648960 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1671, Identifier = 00, JSON = {'rxpk': [{'tmst': 1933678611, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AwQTgMso8txXB'}]} |
| 0:29:17.648960 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04c1, FOpts: ), FPort: e0, FRMPayload: 042d, MIC: 3cb715c1) |
| 0:29:17.648960 | LOG | Server <-------------------- DUT |
| 0:29:17.648960 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7c2, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 17ba2255) |
| 0:29:17.648960 | LOG | PULL\_RESP: Protocol version = 02, Token = aa04, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1935678611, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Awqfg8ylUbFvjUaMQNLDGsZydt8EpLqN6yI0YpaYs0iONBA5Cel48OneY+0Ikd+OLYZMVEX6ZOri9M0VkJwsNSnZc/lg5cNgSgBktafCIDk/3nb4MswRrptAf6wu1put7ooISF1SsqA8Ti6nFjq0o11XyMkokxZxRX3tyNEUltF5EmQqtu1DgCmBXU1I0deb2ZzOY1BOhJipVI5xX+caQqEQHeWqr4P9DruJa40PJ103vIL++I38xLkrgjAA1RdpW92+ZGOVFCp7jAEb1VmL+TcXIvxFCQcN9wOLU1id9S0LaPJs4HBlZEzFRXWWtswWIQbOmyhYXuiJV'}} |
| 0:29:17.648960 | LOG | Server --------------------> DUT |
| 0:29:17.648960 | LOG | TX\_ACK: 02 aa04 05 aa555a0000240409 |
| 0:29:22.537030 | LOG | PUSH\_ACK: 02 1672 01 |
| 0:29:22.537030 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1672, Identifier = 00, JSON = {'rxpk': [{'tmst': 1938521253, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AwgTgnS0oWPPT'}]} |
| 0:29:22.537030 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04c2, FOpts: ), FPort: e0, FRMPayload: 042e, MIC: 2858f3d3) |
| 0:29:22.537030 | LOG | Server <-------------------- DUT |
| 0:29:22.537030 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7c3, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1af479a6) |
| 0:29:22.537030 | LOG | PULL\_RESP: Protocol version = 02, Token = b0fa, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1940521253, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Aw6fghus/tje0AO+vXUDtNTt+250vRyOIMjC8uZ5aJFIlX2R3DOyKh8gvf77l7qhlk1OYen30QUiB9C6Z7WImHLxbEQDCfKktYjJeYqOoiJNCbCian8OJpQ2i5JzpXynkPqxo1se2qB3RljLQU3FPLYBa3OU/kBsOmcXBweRzAwMVTbH+3c+zozz8Zjjc+D+jCmCQ1C4MTEYAK5D/ccSoDACvDO+MXHzvXF3pxIJJX+eHu1ODmah72VomtaS64ArJmIVqVTDi15C0EjuddasdI6odKukdpfmGYKSG15SZrsCeE82IQ0MgfWSkOgiax8sDUxycN98a9Hmm'}} |
| 0:29:22.537030 | LOG | Server --------------------> DUT |
| 0:29:22.537030 | LOG | TX\_ACK: 02 b0fa 05 aa555a0000240409 |
| 0:29:27.233441 | LOG | PULL\_DATA: 02 81c8 02 aa555a0000240409 |
| 0:29:27.233441 | LOG | PULL\_ACK: 02 81c8 04 |
| 0:29:27.403566 | LOG | PUSH\_ACK: 02 1673 01 |
| 0:29:27.403566 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1673, Identifier = 00, JSON = {'rxpk': [{'tmst': 1943363901, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AwwTgpygttO66'}]} |
| 0:29:27.403566 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04c3, FOpts: ), FPort: e0, FRMPayload: 042f, MIC: 2db4eeba) |
| 0:29:27.403566 | LOG | Server <-------------------- DUT |
| 0:29:27.403566 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7c4, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c65e6736) |
| 0:29:27.403566 | LOG | PULL\_RESP: Protocol version = 02, Token = 555d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1945363901, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AxKfgHYk/F7vH3L6PLydOWrp8LguIeQ9DWnQUu1ialaBQ0GW6VM6wUCJnSSMlrMi6i3xpJpPmdF2EHeQux6iWflXrkeSANftbiOagRggQ0hjkADNEloneThqNw3+jWaz8qoGueaVFZasg5LkTQwvBWJME/Sq0UkFmtkbZb8JuOs90BQ9rwgPaumOYxLxS/GVtSNPKcB+s4+uZmywnFAFiXmguWQoAPa/m30+a0QxYM/7QU/5o96w+F+xwQZcycWmYK+xR6azWXYDDeVceAKBNipPDB1m8zO6rpdglWcQsvbvXMl3cPnVOkgakZFg5Sgw/oMv27crGXmc2'}} |
| 0:29:27.403566 | LOG | Server --------------------> DUT |
| 0:29:27.403566 | LOG | TX\_ACK: 02 555d 05 aa555a0000240409 |
| 0:29:32.202340 | LOG | PUSH\_ACK: 02 1675 01 |
| 0:29:32.204391 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1675, Identifier = 00, JSON = {'rxpk': [{'tmst': 1948247029, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AxATgz2YkK+40'}]} |
| 0:29:32.204391 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04c4, FOpts: ), FPort: e0, FRMPayload: 0430, MIC: 242bee34) |
| 0:29:32.204391 | LOG | Server <-------------------- DUT |
| 0:29:32.204391 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7c5, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9e58f77c) |
| 0:29:32.204391 | LOG | PULL\_RESP: Protocol version = 02, Token = 2aad, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1950247029, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Axafg0Y43+/DYeuF8iWe5pyQvdcOjTkfZBO7quAcbvNSjDUXURQbHXVFwEb96wSJGKhLMHw6PZHF5IEVIXNNDyzjxgC7jV1Dl9SHkbbJBmcSDFKyjJVqHLcgexD8AW0PSDtEJ0qkcWJfnMWwBzJ+L9J9YgM6iwQPo99H2pCTS0hQDoCtSnQqlFv3h1tF6/lfelN9QZnFLo2BWLOOffUrFvndKq2RijkSGH8Tj04A75+/tOUSuJSwWleA71gim1qkblOO/OJQKFa9W1kAnDHtFi2yY2kRj3ZxtodZTUkHE65YPOanI4vShqHl5biZ5NlOv9v/RcMmeWPd8'}} |
| 0:29:32.204391 | LOG | Server --------------------> DUT |
| 0:29:32.204391 | LOG | TX\_ACK: 02 2aad 05 aa555a0000240409 |
| 0:29:37.105583 | LOG | PUSH\_ACK: 02 1676 01 |
| 0:29:37.105583 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1676, Identifier = 00, JSON = {'rxpk': [{'tmst': 1953089653, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AxQTg0kyeQ5Bs'}]} |
| 0:29:37.105583 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04c5, FOpts: ), FPort: e0, FRMPayload: 0431, MIC: 9e43906c) |
| 0:29:37.105583 | LOG | Server <-------------------- DUT |
| 0:29:37.105583 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7c6, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ff665f0c) |
| 0:29:37.105583 | LOG | PULL\_RESP: Protocol version = 02, Token = 67fc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1955089653, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AxqfgUKNJzDACHO4AiQUALNnES2TJydXxwbDFbFHQVycFb2vrYDnE+on+D2gznIv/CvmcZgcJxEIaS5V+Dr9F/3RnY2cmG2djudAldGjkX8say8XTZWefkgg9ztRP0CxDU3o596zH2GyXxzblG+jeJJUvlPkYFvyqBEYKypDN6B0gpdWfQIQpCw3gDi0SEie3vEaS5/qxbFTRvoELsr0SZIzADKWFmmk/MdUzA2YVG5TY6lhx+04g4tu97VMwZpRxqDnA2yQAPF8jq5lkGg9fUpohAPHHrBHOlgvYy0yuH2bfeN/cGDP8oGTyhKOe4551q8tl6fb/Zl8M'}} |
| 0:29:37.105583 | LOG | Server --------------------> DUT |
| 0:29:37.105583 | LOG | TX\_ACK: 02 67fc 05 aa555a0000240409 |
| 0:29:37.324012 | LOG | PULL\_DATA: 02 ac8b 02 aa555a0000240409 |
| 0:29:37.324012 | LOG | PULL\_ACK: 02 ac8b 04 |
| 0:29:41.926427 | LOG | PUSH\_ACK: 02 1677 01 |
| 0:29:41.926427 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1677, Identifier = 00, JSON = {'rxpk': [{'tmst': 1957932333, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AxgTgtFo+HoPq'}]} |
| 0:29:41.926427 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04c6, FOpts: ), FPort: e0, FRMPayload: 0432, MIC: 3e1e83ea) |
| 0:29:41.926427 | LOG | Server <-------------------- DUT |
| 0:29:41.926427 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7c7, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 64e1fd8e) |
| 0:29:41.926427 | LOG | PULL\_RESP: Protocol version = 02, Token = fccb, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1959932333, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Ax6fgDF4EVDV5w90BLQHJKEaqnJuK5UvU7aIQ5X0ctHHNtX0om9danB+Ac4wxv7xBBsgzOo+ZUadWZd1sA4IebubfTfAFgbAsw7EA9cuCIupMXau+xHSBioXjGQfme7UVjQe5icpeKoIhOQkkfZr4zWUMAleElPM+/1/DKo1hnAV3CUMPnLN/3yDkn/HHQGT6dNTc1DGqBiApllPCAx2u3AJmeZLYlPST0S/5IC2M+n9HBGrz/rMYRzkkRA3e+aBfclAwAtsCUE30btcAu9EYLpSZmj2giqZ0jlKPXtWwF6YVgCtUEFlrHuVy0wTDqRmNRrfBauNk4f2O'}} |
| 0:29:41.926427 | LOG | Server --------------------> DUT |
| 0:29:41.934478 | LOG | TX\_ACK: 02 fccb 05 aa555a0000240409 |
| 0:29:46.737114 | LOG | PUSH\_ACK: 02 1678 01 |
| 0:29:46.739197 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1678, Identifier = 00, JSON = {'rxpk': [{'tmst': 1962774943, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -44, 'size': 15, 'data': 'QO++rd6AxwTgIhgnMc/8'}]} |
| 0:29:46.739197 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04c7, FOpts: ), FPort: e0, FRMPayload: 0433, MIC: 2731cffc) |
| 0:29:46.739197 | LOG | Server <-------------------- DUT |
| 0:29:46.739197 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7c8, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 64799a1d) |
| 0:29:46.739197 | LOG | PULL\_RESP: Protocol version = 02, Token = 0072, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1964774943, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AyKfgx0HyOGHgyVI4iGjvjevoap/IYCO3efNwV0G58RnlXiVCu8FMLGGCLzNE/eHH2iNdPKaTpSYsbYEhQhz/i0yird/thsE+5Cyp8q08/CsuLjqUEviUs6pgRt1Z1TT+ePqAgl2oJqA3IJyUOhBic+8dteYtx5E0bIMymMMyl2cxGz7thKJPcJQ591/I9Rg72a411q4hAhV140TgXnI9/sNrEwz9oBC9xPIcprNpGPqL8KC+EXU6U2r3/y1etUb5yqLyw0rI12sRemtyZv6SQle9UwnHXM1TJGJVUJI/QYavUsIIz1x/w6T7u6TY4X+lRQq5IutkeZod'}} |
| 0:29:46.739197 | LOG | Server --------------------> DUT |
| 0:29:46.739197 | LOG | TX\_ACK: 02 0072 05 aa555a0000240409 |
| 0:29:47.368010 | LOG | PULL\_DATA: 02 3c6e 02 aa555a0000240409 |
| 0:29:47.368010 | LOG | PULL\_ACK: 02 3c6e 04 |
| 0:29:51.600630 | LOG | PUSH\_ACK: 02 1679 01 |
| 0:29:51.602648 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1679, Identifier = 00, JSON = {'rxpk': [{'tmst': 1967617601, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -46, 'size': 15, 'data': 'QO++rd6AyATgOZ9NutFC'}]} |
| 0:29:51.602648 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04c8, FOpts: ), FPort: e0, FRMPayload: 0434, MIC: 4dbad142) |
| 0:29:51.602648 | LOG | Server <-------------------- DUT |
| 0:29:51.602648 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7c9, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 00f0c73b) |
| 0:29:51.602648 | LOG | PULL\_RESP: Protocol version = 02, Token = 61a6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1969617601, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AyafgSloEnsN3JudN8y7nK6PU4As9zrRk05TqgGQxwg2WWVROunoglRCVXtn+Tc8kRszI7FUxF5Vy9Te4TXzqkMcQLW7Onao2HFS/4xv2hEdlr/nQezAIwKWQTMsn3JnGFI+tnloYiUwYj7xzQ15stWIff0bLOCLrULGKBMU7tz1pybSDgVPev5n+b3YPPZq5mPeAubIagzAdvPTS4ljFnREs46fdPLJ+BuXzN8b0pnjx5cjkt9dIW9gQPprze/52kzoYg/D0tR3dHWTffvKxlxWvjU7lnGIBiNfLOrnEq0jMUHWyWXg3x/GsDfDUZzuMtf55QRQA8Mc7'}} |
| 0:29:51.602648 | LOG | Server --------------------> DUT |
| 0:29:51.602648 | LOG | TX\_ACK: 02 61a6 05 aa555a0000240409 |
| 0:29:56.483725 | LOG | PUSH\_ACK: 02 167a 01 |
| 0:29:56.485744 | LOG | PUSH\_DATA: Protocol version = 02, Token = 167a, Identifier = 00, JSON = {'rxpk': [{'tmst': 1972460248, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AyQTg1ZOwUouy'}]} |
| 0:29:56.485744 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04c9, FOpts: ), FPort: e0, FRMPayload: 0435, MIC: b0528bb2) |
| 0:29:56.485744 | LOG | Server <-------------------- DUT |
| 0:29:56.485744 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7ca, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 6337b020) |
| 0:29:56.485744 | LOG | PULL\_RESP: Protocol version = 02, Token = e7e5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1974460248, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Ayqfgx0usR5sWM9gC5KCBNRDePyjVub8g9ugqSIWqMMHf6ArCUOHgbPLXOZDREDlbZbSgIk3bZWy4pfjOemMWgwpsTxs5S9SDx7IdK/lfvPC94l87bbGqieFVUU6W2q73OPxtyu8TEhdP2s8g8OViYHttpwk9etOQw8n8LngPQ5wJ8OIj2mqiza/mG0XVzCjIX+vxe/zQgh0/up7hwtXuqbaBPgtNzl47UptCTYxvisCXL8kvl5uM4PtyigYZH7Va+PvEeAVd46JlwQwMOL8jgai1zmqALpdrMnuD7hugD9Vqx3w8+yAR3zrZQOUWj7cuMc+TY6hjN7Ag'}} |
| 0:29:56.485744 | LOG | Server --------------------> DUT |
| 0:29:56.485744 | LOG | TX\_ACK: 02 e7e5 05 aa555a0000240409 |
| 0:29:57.520229 | LOG | PULL\_DATA: 02 7a23 02 aa555a0000240409 |
| 0:29:57.520229 | LOG | PULL\_ACK: 02 7a23 04 |
| 0:30:01.281152 | LOG | PUSH\_ACK: 02 167b 01 |
| 0:30:01.283212 | LOG | PUSH\_DATA: Protocol version = 02, Token = 167b, Identifier = 00, JSON = {'rxpk': [{'tmst': 1977302831, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6AygTgzBHCEqV0'}]} |
| 0:30:01.283212 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04ca, FOpts: ), FPort: e0, FRMPayload: 0436, MIC: c212a574) |
| 0:30:01.283212 | LOG | Server <-------------------- DUT |
| 0:30:01.283212 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7cb, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8329f6b5) |
| 0:30:01.283212 | LOG | PULL\_RESP: Protocol version = 02, Token = 7563, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1979302831, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Ay6fgSWf/jQIOzKPf9LQL0F/cXJ9zf0ALOFksOiJHrorGxAHxHfLWD10JzJNLPpiml/MD5ewRgzo94Ilq0omMpmJsLau1MpE2XENruzCSbPscH+RsqR90EafpHQzdipADw4vv6gmO4kqw9v1nhekzmNtKHFJPgi1Q/tGRr3kt/kEgoR56AmjzTOsRnQ3KF8bw4UZwyN5qMV0Lb9ybHm+3h7jXmAc7HHVyiBchfsvqCro/3+/KX2999ShkFXfMOggqctoWe5QiIJ1tnGNDUQJ53/1qXDpp4U17no72PjquFGMLm4VP/aU8HFyUOeYulQh3s3wDvbyDKfa1'}} |
| 0:30:01.283212 | LOG | Server --------------------> DUT |
| 0:30:01.283212 | LOG | TX\_ACK: 02 7563 05 aa555a0000240409 |
| 0:30:06.124787 | LOG | PUSH\_ACK: 02 167d 01 |
| 0:30:06.126802 | LOG | PUSH\_DATA: Protocol version = 02, Token = 167d, Identifier = 00, JSON = {'rxpk': [{'tmst': 1982145462, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AywTgM6Bvpw8w'}]} |
| 0:30:06.126802 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04cb, FOpts: ), FPort: e0, FRMPayload: 0437, MIC: 6fa70f30) |
| 0:30:06.126802 | LOG | Server <-------------------- DUT |
| 0:30:06.126802 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7cc, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5cc70a2b) |
| 0:30:06.126802 | LOG | PULL\_RESP: Protocol version = 02, Token = 9094, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1984145462, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AzKfgmvdqaVougxgvNMkd5tLMkb1NUSrTTiiiDzaiWso6Bl9/c+4APJ+Vd0BUFY95W8u1Y1GTNG1VBi3hy7j+AnSRjQl3xwIg530mO5FKfh80Lm99Uo7W6MlJGSiqbhrqn4dgfXhULWPlHVK86xufFEN30+KUnnxlgMfAvNMxskA3lYKRUIQ4sgzWc0UtjPVQkHIISUesJpskK5CifMlVE8wNc9uw0LMk8SPnqPSxx4CPOaJjoEYDqiH5zo3/Z2BSUcnFECjbOytmtwXyMJ2xMz5xgOi4luF4AWDi79Z8vzYUMcwiZvfM316Aoitu6lKBHWjCvsFcxwor'}} |
| 0:30:06.126802 | LOG | Server --------------------> DUT |
| 0:30:06.126802 | LOG | TX\_ACK: 02 9094 05 aa555a0000240409 |
| 0:30:07.585340 | LOG | PULL\_DATA: 02 adac 02 aa555a0000240409 |
| 0:30:07.585340 | LOG | PULL\_ACK: 02 adac 04 |
| 0:30:11.017018 | LOG | PUSH\_ACK: 02 167e 01 |
| 0:30:11.017018 | LOG | PUSH\_DATA: Protocol version = 02, Token = 167e, Identifier = 00, JSON = {'rxpk': [{'tmst': 1987028751, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -48, 'size': 15, 'data': 'QO++rd6AzATgcBA4QquW'}]} |
| 0:30:11.017018 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04cc, FOpts: ), FPort: e0, FRMPayload: 0438, MIC: 3842ab96) |
| 0:30:11.017018 | LOG | Server <-------------------- DUT |
| 0:30:11.017018 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7cd, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ec27d4b1) |
| 0:30:11.022098 | LOG | PULL\_RESP: Protocol version = 02, Token = 3fe5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1989028751, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AzafgyDBRAKwdRN4ILk+A1k8dRmOZGn+VQqSYvYZ610LuMByCJJ2aCNG3p8IC47xgoxuMMHSZWNPBtM+/QVO9Lc+ZF82ZR3KE/ixpslSYhOZlJ1HsFO4tgtell3ompaAqausNB/Od7xJ0IWjvNLgozDD2BF3IX57KU5h44odiKBaMySJiXRbNemv0sKzjFAZww9TZ8VH3/TdGuhDz0xabsY/mJb0SqLwjQffH+5AEe27e5TQVJ2CpFEnEe3JmQxYA6D3yDzoaMU/8cz0IgeunvAcEm7jF7T4ZPaR0j6Gga/K05DvZWa5vhis45asIT43ysqxMo4HsJ9Sx'}} |
| 0:30:11.022098 | LOG | Server --------------------> DUT |
| 0:30:11.022098 | LOG | TX\_ACK: 02 3fe5 05 aa555a0000240409 |
| 0:30:15.895343 | LOG | PUSH\_ACK: 02 167f 01 |
| 0:30:15.895343 | LOG | PUSH\_DATA: Protocol version = 02, Token = 167f, Identifier = 00, JSON = {'rxpk': [{'tmst': 1991871439, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6AzQTgwsz4869X'}]} |
| 0:30:15.895343 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04cd, FOpts: ), FPort: e0, FRMPayload: 0439, MIC: f8f3af57) |
| 0:30:15.895343 | LOG | Server <-------------------- DUT |
| 0:30:15.895343 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7ce, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: cfd505c2) |
| 0:30:15.895343 | LOG | PULL\_RESP: Protocol version = 02, Token = ccaa, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1993871439, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AzqfgZzVBPK07zszvAjCaQGOQ+FDzMipbH06VpfwxeYC8R/8s29hb82E5ONMCJHWej0rMnGcKCwnt5wwTi5sJd/BGMblbu0IyGjvmOE4kt8yxOZ36MDezvAbxNCSesUG7IJkMD0XQbJehzCQcVwoc5d4DYM/bLsVV5dPQFSO++kNiRu4VADvktsw89rmzcqEFuc06kZcH7xMxzEtKAV7RYMSNNiwMCUbISKc2N5AFU/8OX8KrRxxr6lZ5ONrt1CbwGfHICnZX51yBR90rnevaN0SVtYyeFMN+70VuXQzjgmdwcljP1xPZv/61JZBI2uIG6vCRH47P1QXC'}} |
| 0:30:15.895343 | LOG | Server --------------------> DUT |
| 0:30:15.895343 | LOG | TX\_ACK: 02 ccaa 05 aa555a0000240409 |
| 0:30:17.763288 | LOG | PULL\_DATA: 02 4763 02 aa555a0000240409 |
| 0:30:17.763288 | LOG | PULL\_ACK: 02 4763 04 |
| 0:30:20.713486 | LOG | PUSH\_ACK: 02 1680 01 |
| 0:30:20.713486 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1680, Identifier = 00, JSON = {'rxpk': [{'tmst': 1996714063, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AzgTgbNgmr2pc'}]} |
| 0:30:20.713486 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04ce, FOpts: ), FPort: e0, FRMPayload: 043a, MIC: 26af6a5c) |
| 0:30:20.713486 | LOG | Server <-------------------- DUT |
| 0:30:20.713486 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7cf, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e7bc34a7) |
| 0:30:20.713486 | LOG | PULL\_RESP: Protocol version = 02, Token = 6282, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 1998714063, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4Az6fgjVNuOS8hvyLRDjOKh5AHP6hTRtnLDFqORDsk8GLQ3zMknWJeoRACpCMDnDTCEpHqJ8TozaPeXbdFrAY6DyWsOCTbI79oPfrWVWVcCjHCL0CV7Dp7XaH3w3YXy9XVZJiFesV7TpGhcXVT3EZTzuTyz9QcXUdbTCk26p9dBAWyUVWTbe0YUrjNS2BtI7RBfazUQkfNQtaiQSfYG6KIcRzypTQISfEZm2qsrDq+eBDDAqNG8VhH9Zu8Eb8w04J/hXIdGoGoV8BYxE09n/wUWHp6iJVONRNkV8jkH+K3lni+TbdwRGOCd1KbhB5PYxOWd3JfUlfnvDSn'}} |
| 0:30:20.713486 | LOG | Server --------------------> DUT |
| 0:30:20.713486 | LOG | TX\_ACK: 02 6282 05 aa555a0000240409 |
| 0:30:25.526327 | LOG | PUSH\_ACK: 02 1681 01 |
| 0:30:25.528360 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1681, Identifier = 00, JSON = {'rxpk': [{'tmst': 2001556862, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AzwTghgbd79Nw'}]} |
| 0:30:25.528360 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04cf, FOpts: ), FPort: e0, FRMPayload: 043b, MIC: ddefd370) |
| 0:30:25.528360 | LOG | Server <-------------------- DUT |
| 0:30:25.528360 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7d0, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b7097de6) |
| 0:30:25.528360 | LOG | PULL\_RESP: Protocol version = 02, Token = ef7b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2003556862, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A0KfgzZdnVrShIK57BI3Ye7oHek6NdykKXlg/Fx2YX1R4LTMvSkVtE5NnSnw0iZPfUt0oJfU/MVEsmuWEW7/RoyErLFELsUWvQEQjRcvdv+O1XYKQMtWox84OB4oBuFUyDFDWZc0Qq+vpiJSeeTKlCV9Qnr7BgNQIRLWW0ksb0fCfrQMPKunBT+WC4smtai/8wNtQJ+EZHa4nOtHCp/lR+EfJxWDoKO7mdFkEQn+ASgTD2A+cAwg9ub7p4iE6XN+UNWV6bt6xf/z2XPl4HjLh2L6rDD+//CSkIM1cN7dYBFQS7QsmmVlgtQPfzejtpKkAGgIvCn23CX3m'}} |
| 0:30:25.528360 | LOG | Server --------------------> DUT |
| 0:30:25.528360 | LOG | TX\_ACK: 02 ef7b 05 aa555a0000240409 |
| 0:30:27.806589 | LOG | PULL\_DATA: 02 3968 02 aa555a0000240409 |
| 0:30:27.806589 | LOG | PULL\_ACK: 02 3968 04 |
| 0:30:30.388172 | LOG | PUSH\_ACK: 02 1682 01 |
| 0:30:30.390218 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1682, Identifier = 00, JSON = {'rxpk': [{'tmst': 2006399447, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A0ATgNEfTKluA'}]} |
| 0:30:30.390218 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04d0, FOpts: ), FPort: e0, FRMPayload: 043c, MIC: d32a5b80) |
| 0:30:30.390218 | LOG | Server <-------------------- DUT |
| 0:30:30.390218 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7d1, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 22e1dc4e) |
| 0:30:30.390218 | LOG | PULL\_RESP: Protocol version = 02, Token = 0959, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2008399447, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A0afg0mP1wGjnD1Cbjxt+OmA2mqdY5TqWoP94socclXFsUs4q4PYmAe4/ZfbObWN06wIGpUfMkLD51jGxRMWKkAaWMZDWHmkDkvw2RzPQL3LriqL6jvjKY8YDO7O47Pwe/mBrXFweNoGOa7Dh4wo2AmI66CmkrESwI891gfOrwuSvbsUgFqvoj6pSt5rNzMkW9/f13bGiXdOEbGsNlu4O6taqdO8Y6Y2H2XYfHvxVDpueQojwhB32qxelSwtju2VcusJMkpuz0gUFPUnmwGlVKhmRp480+iIS4G0rvp2bGO/pwJG/GrTteq5aBr5SkpQhOxbNY+Ii4dxO'}} |
| 0:30:30.390218 | LOG | Server --------------------> DUT |
| 0:30:30.390218 | LOG | TX\_ACK: 02 0959 05 aa555a0000240409 |
| 0:30:33.080210 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:30:33.083137 | LOG | Previous uplink Frame type (FType): 101 |
| 0:30:35.268705 | LOG | PUSH\_ACK: 02 1685 01 |
| 0:30:35.268705 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1685, Identifier = 00, JSON = {'rxpk': [{'tmst': 2011242112, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A0QTgO+K6x1Hp'}]} |
| 0:30:35.268705 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04d1, FOpts: ), FPort: e0, FRMPayload: 043d, MIC: bac751e9) |
| 0:30:35.268705 | LOG | Server <-------------------- DUT |
| 0:30:35.268705 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7d2, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 89340988) |
| 0:30:35.268705 | LOG | PULL\_RESP: Protocol version = 02, Token = 15de, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2013242112, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A0qfgFNQRtmHM7DCSEHAHVZT4oHGErKNKWEwLNOwFsMHveMTyM+mwdDxKNGzofpGEyqxOTKmmV1c104dGXPwFUKhFjfdR/AjYRmChPoIsZCXYtWQ2qZh7+yCu6Ssf6bZshukBQ6ubZWm2o4G/n5txhg/sS4QDWp93LmQjUl80peTEbxkovstijUNg8jOZdo9S5tAMYmyxn965Lv8lJbySexYnQAz+bB6B3SxVJIgHwxK0zUoAg6Qaoc43fqEWWTszGBVaM3hx72fwKS/EFNXtwNGQRZO4oeRXmE08xSYwBOO9XENaS4X5UEb7OJcs7R9PcYjgfqGJNAmI'}} |
| 0:30:35.268705 | LOG | Server --------------------> DUT |
| 0:30:35.268705 | LOG | TX\_ACK: 02 15de 05 aa555a0000240409 |
| 0:30:37.968596 | LOG | PULL\_DATA: 02 337b 02 aa555a0000240409 |
| 0:30:37.968596 | LOG | PULL\_ACK: 02 337b 04 |
| 0:30:40.078915 | LOG | PUSH\_ACK: 02 1686 01 |
| 0:30:40.078915 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1686, Identifier = 00, JSON = {'rxpk': [{'tmst': 2016084696, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A0gTg0cyuws7u'}]} |
| 0:30:40.078915 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04d2, FOpts: ), FPort: e0, FRMPayload: 043e, MIC: aec2ceee) |
| 0:30:40.078915 | LOG | Server <-------------------- DUT |
| 0:30:40.078915 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7d3, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5b31d3df) |
| 0:30:40.078915 | LOG | PULL\_RESP: Protocol version = 02, Token = f81d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2018084696, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A06fg1+XTK9pgv/eLqMSFp9ifioJFDQoxrAfJ3ZZiB3Mw5jyUl0auBZL8skGX7af/iT2/lUo2gGD8pCQMQoSUzGEaFrAGirs4BKog3ZHerXWJv1KJa/v4eaqDZz1J8xoFNj0couUaQrMfZX7T0dItzR3y/HDzEp9N0QszGlwBZzA7qN0r34QlCH4ZFclAwvS5/OPykeCsEcjpJw6TtBzLo16gmTYj55ZCrjolKTEP2gouxHy3nti/tftFVzF6mOD48hLIsonedzYzK5ZFTH6bC5nRdQGEC6Z6LVt347vpwAHustN8TFR51hjFgFkwT/BucBo9+sdbMdPf'}} |
| 0:30:40.078915 | LOG | Server --------------------> DUT |
| 0:30:40.078915 | LOG | TX\_ACK: 02 f81d 05 aa555a0000240409 |
| 0:30:44.902272 | LOG | PUSH\_ACK: 02 1687 01 |
| 0:30:44.902272 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1687, Identifier = 00, JSON = {'rxpk': [{'tmst': 2020927303, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A0wTgI7eD57oq'}]} |
| 0:30:44.902272 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04d3, FOpts: ), FPort: e0, FRMPayload: 043f, MIC: 83e7ba2a) |
| 0:30:44.902272 | LOG | Server <-------------------- DUT |
| 0:30:44.902272 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7d4, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b78372ef) |
| 0:30:44.902272 | LOG | PULL\_RESP: Protocol version = 02, Token = 95ee, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2022927303, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A1KfgbyNdf98P8zYtgESJyXfQbOhSTuIY6aKe3h31c6qQbtVhwKKdfr08wu3/6NfNgOwq273zWgrtahdw99RQv+PybcNHT9JjZm/mhwmJIOfEntqCuyH7qGpXBAkljf4BsXrvAru6F/QO4JNj59ifpS3bTbY7wOw6cmOr6j5SIX8dkaC2NzdCnpxMnB5ltLCWXKrq0dF5/boCN1nI1hBB9UQuzyDp9nXNLpOb7yl9HpzF0HZCAHMINbBerrgi6HuvBcEySlk2jGsReWUQ9BX+a8VvPqQ7TP8OKliXAr7+ML1tRl3Uoh1SsLjFMiPd0TEmPPmch4S3g3Lv'}} |
| 0:30:44.902272 | LOG | Server --------------------> DUT |
| 0:30:44.902272 | LOG | TX\_ACK: 02 95ee 05 aa555a0000240409 |
| 0:30:48.009262 | LOG | PULL\_DATA: 02 9c7d 02 aa555a0000240409 |
| 0:30:48.009262 | LOG | PULL\_ACK: 02 9c7d 04 |
| 0:30:49.833322 | LOG | PUSH\_ACK: 02 1688 01 |
| 0:30:49.833322 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1688, Identifier = 00, JSON = {'rxpk': [{'tmst': 2025810391, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A1ATg5+V3sQeb'}]} |
| 0:30:49.833322 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04d4, FOpts: ), FPort: e0, FRMPayload: 0440, MIC: 77b1079b) |
| 0:30:49.833322 | LOG | Server <-------------------- DUT |
| 0:30:49.833322 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7d5, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3e3ffe63) |
| 0:30:49.833322 | LOG | PULL\_RESP: Protocol version = 02, Token = e38a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2027810391, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A1afg7W5HrT6+NOraKoSogcg6al7qItp9bGimEOn4N704HBgMl5pciXWY0rQhyPk8YdSk75l7rDtV0LIttKIPKbTOXn7lj8k1phb++QiP2YzpbK3RWkixoxHuFz4q6Yz4Rti5JPj0kM1U2XVtE7HJ43wUOLcmdS4WAcxNqViDeuZxL+M+hbQZUCznELxgfkqWKAnwYnqoPWHqOnVcYuSwf3XZKx61hyd7/7T1CgevQIiHtmL4dz5yQJqnlQ8Tqkl9yKRvBQGsxElX8lzL672L+StMEudwu1JVMmJiwryhMlRTjGuUxBYcbicUbmVgZh+rdR/rVXc+P/5j'}} |
| 0:30:49.833322 | LOG | Server --------------------> DUT |
| 0:30:49.833322 | LOG | TX\_ACK: 02 e38a 05 aa555a0000240409 |
| 0:30:54.679230 | LOG | PUSH\_ACK: 02 1689 01 |
| 0:30:54.679230 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1689, Identifier = 00, JSON = {'rxpk': [{'tmst': 2030653064, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A1QTgs8zPp5m3'}]} |
| 0:30:54.679230 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04d5, FOpts: ), FPort: e0, FRMPayload: 0441, MIC: cfa799b7) |
| 0:30:54.679230 | LOG | Server <-------------------- DUT |
| 0:30:54.679230 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7d6, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8108a3bb) |
| 0:30:54.679230 | LOG | PULL\_RESP: Protocol version = 02, Token = 3342, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2032653064, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A1qfg/5/nr1rFGwMAzVWmmsls6amab2Ydil19sn8sr4kCY/G+/vOy6MM3IQzJhnsqV3MS0tgxt3D60yN6bdG/GZy+OmBaKgciiAnZz8TNfsYjDCW/ZBW2TTP7z+OQTnJBwLoLCk/fRFq77IX3E21Bq3FXFx0v3vqV3HQOaW61gG3/6QsJQp/O8FtL6cBN+8vKCrQje1LfOwbNIx1kaqd3bpm8Gjb3pZC3UDT1BJBP7lLVJ1pA1zDIveCVpC37XSCXbWoBhK9qJlTNNsoSn/R4yVRvHbuqRbnssd7QERDy28uo+pTjJWxdOqeyj21WOJ9KnrzGVPGBCKO7'}} |
| 0:30:54.679230 | LOG | Server --------------------> DUT |
| 0:30:54.679230 | LOG | TX\_ACK: 02 3342 05 aa555a0000240409 |
| 0:30:58.190782 | LOG | PULL\_DATA: 02 8033 02 aa555a0000240409 |
| 0:30:58.190782 | LOG | PULL\_ACK: 02 8033 04 |
| 0:30:59.469810 | LOG | PUSH\_ACK: 02 168a 01 |
| 0:30:59.472078 | LOG | PUSH\_DATA: Protocol version = 02, Token = 168a, Identifier = 00, JSON = {'rxpk': [{'tmst': 2035495706, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -47, 'size': 15, 'data': 'QO++rd6A1gTgJsf/aimg'}]} |
| 0:30:59.472078 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04d6, FOpts: ), FPort: e0, FRMPayload: 0442, MIC: ff6a29a0) |
| 0:30:59.472078 | LOG | Server <-------------------- DUT |
| 0:30:59.472078 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7d7, FOpts: ), FPort: e0, FRMPayload: 0301010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 6d3aa37c) |
| 0:30:59.472078 | LOG | PULL\_RESP: Protocol version = 02, Token = 238e, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2037495706, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4A16fgOvfAgO/a1PyACllbd8kJCSw8V/EPCG1RCD9U6XCga0R0kUXmIKpYORDi/f0k865tlvRuL8h4Lsnh99ZraZiuyJi5Q+omobmOh74M9ikVrAmihAPmVXyFdGG2XvKRONBgJGy7+mTk3UGiFUWwBFzK4r6joqMeBtqNVTb84INAaOys4KIIpLvqPsPfpXgSjM1GYEYu2/uS9O7qkqnqhORFLFv8Z4V6uWFe36gXmfLr8YCu9Y4Jc9XTKq+lSUlY9LIiT2mcPfDSQpAE+MQ7EeoIGiGyHNKL50FsOjRV7YrrAAIIjWog6jd0TJdHJZ1FAB/rrkBtOqN8'}} |
| 0:30:59.472078 | LOG | Server --------------------> DUT |
| 0:30:59.472078 | LOG | TX\_ACK: 02 238e 05 aa555a0000240409 |
| 0:31:04.296938 | LOG | PUSH\_ACK: 02 168c 01 |
| 0:31:04.296938 | LOG | PUSH\_DATA: Protocol version = 02, Token = 168c, Identifier = 00, JSON = {'rxpk': [{'tmst': 2040338394, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A1wTgK4z1H+1x'}]} |
| 0:31:04.296938 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04d7, FOpts: ), FPort: e0, FRMPayload: 0443, MIC: f51fed71) |
| 0:31:04.296938 | LOG | Server <-------------------- DUT |
| 0:31:04.304979 | LOG | Number of downlinks: 60 |
| 0:31:04.314981 | LOG | Number of errors: 0 |
| 0:31:04.314981 | LOG | Packet Error Rate (%): 0.0 |
| 0:31:04.314981 | LOG | Packet error rate SF8BW125 process tested successfully |
| 0:31:04.314981 | LOG | End Test Step: Test packet error rate for SF7BW500 using RX2 window |
| 0:31:04.314981 | LOG | Partial Verdict: PASS |
| 0:31:04.324973 | LOG | ========================================================= |
| 0:31:04.324973 | LOG | ========================================================= |
| 0:31:04.324973 | LOG | Start Test Step: Test mode deactivation |
| 0:31:04.334972 | LOG | Test Mode deactivation process starts |
| 0:31:04.334972 | LOG | End Test Step: Test mode deactivation |
| 0:31:04.334972 | LOG | TEST STEP NOT APPLICABLE |
| 0:31:04.334972 | LOG | ========================================================= |
| 0:31:04.334972 | LOG | End Test Case: TP\_A\_US915\_ED\_MAC\_BV\_013 |
| 0:31:04.344972 | LOG | Final Verdict: PASS |

|  |  |  |
| --- | --- | --- |
| **Test Case** | TP\_A\_US915\_ED\_MAC\_BV\_014 | |
| **Verdict** | PASS | |
| **Date** | 2021-08-03 18:15:54 | |
| **Description** | RXTimingSetupReq MAC command | |
| **Technology Version** | LCTT v3.3.0\_R1 | GUI v1.9.0 | |
| **Core Version** | LoRaWAN\_L2v1.0.4/RP2\_v1.0.1 | |
| **Test Specs Version** | USv1.5.1/EUv1.6/KRv1.2.1/ASv1.1.1/INv1.1.1/ALL\_Av1.3/ALL\_Cv1.0 | |
| **Project** | HTLRBL32L - US915 | |
| **Project Creation Date** | 2021-07-19 10:56:56 | |
| **Sample** | DevID:HTLRBL32L testboard | AppID:1 | SW:1 | HW:1 | |
| **Parameters** | Conformance | TRUE |

|  |  |  |
| --- | --- | --- |
| **Time Stamp (ms)** | **Event** | **Summary** |
| 0:00:00.010207 | LOG | Start Test Case: TP\_A\_US915\_ED\_MAC\_BV\_014 |
| 0:00:00.030207 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT UPDATES. |
| 0:00:00.030207 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT TECHNOLOGY PACKAGES. |
| 0:00:00.040219 | LOG | ========================================================= |
| 0:00:00.040219 | LOG | Start Test Step: Device activation |
| 0:00:00.080207 | LOG | Activation process has finished successfully |
| 0:00:00.080207 | LOG | Data stored in the DUT after Activation: |
| 0:00:00.090208 | LOG | DevAddr: efbeadde |
| 0:00:00.090208 | LOG | AppEUI: 1111111111111111 |
| 0:00:00.090208 | LOG | NwkSKey: 11111111111111111111111111111111 |
| 0:00:00.090208 | LOG | AppSKey: 11111111111111111111111111111111 |
| 0:00:00.090208 | LOG | End Test Step: Device activation |
| 0:00:00.090208 | LOG | Partial Verdict: PASS |
| 0:00:00.100239 | LOG | ========================================================= |
| 0:00:00.100239 | LOG | ========================================================= |
| 0:00:00.100239 | LOG | Start Test Step: Test mode activation |
| 0:00:00.110209 | LOG | Test Mode activation process starts |
| 0:00:00.110209 | LOG | Test Mode has been enabled successfully |
| 0:00:00.110209 | LOG | Send LinkADRReq process starts |
| 0:00:01.733539 | LOG | PULL\_DATA: 02 d00b 02 aa555a0000240409 |
| 0:00:01.733539 | LOG | PULL\_ACK: 02 d00b 04 |
| 0:00:01.733539 | LOG | First PULL\_DATA received |
| 0:00:02.657160 | LOG | PUSH\_ACK: 02 168d 01 |
| 0:00:02.657160 | LOG | PUSH\_DATA: Protocol version = 02, Token = 168d, Identifier = 00, JSON = {'rxpk': [{'tmst': 2045180954, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A2ATgic8z6ARJ'}]} |
| 0:00:02.657160 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04d8, FOpts: ), FPort: e0, FRMPayload: 0443, MIC: 33e80449) |
| 0:00:02.657160 | LOG | Server <-------------------- DUT |
| 0:00:02.657160 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7d8, FOpts: ), FPort: 00, FRMPayload: 0345010071), MIC: 0fbf7eb7) |
| 0:00:02.657160 | LOG | PULL\_RESP: Protocol version = 02, Token = 3458, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2046180954, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A2KcAbjO7Rg8Pv363'}} |
| 0:00:02.657160 | LOG | Server --------------------> DUT |
| 0:00:02.657160 | LOG | TX\_ACK: 02 3458 05 aa555a0000240409 |
| 0:00:07.420585 | LOG | PUSH\_ACK: 02 168e 01 |
| 0:00:07.422633 | LOG | PUSH\_DATA: Protocol version = 02, Token = 168e, Identifier = 00, JSON = {'rxpk': [{'tmst': 2049944747, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -54, 'size': 17, 'data': 'QO++rd6C2QQDB+DX/z3Wwsc='}]} |
| 0:00:07.422633 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04d9, FOpts: 0307), FPort: e0, FRMPayload: 0444, MIC: 3dd6c2c7) |
| 0:00:07.422633 | LOG | Server <-------------------- DUT |
| 0:00:07.422633 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:07.422633 | LOG | Command Answer: 0307 |
| 0:00:07.430682 | LOG | MAC command communication completed |
| 0:00:07.430682 | LOG | Send LinkADRReq process starts |
| 0:00:11.918624 | LOG | PULL\_DATA: 02 9add 02 aa555a0000240409 |
| 0:00:11.918624 | LOG | PULL\_ACK: 02 9add 04 |
| 0:00:12.272344 | LOG | PUSH\_ACK: 02 168f 01 |
| 0:00:12.274401 | LOG | PUSH\_DATA: Protocol version = 02, Token = 168f, Identifier = 00, JSON = {'rxpk': [{'tmst': 2054792153, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -53, 'size': 15, 'data': 'QO++rd6A2gTg1eGavaNU'}]} |
| 0:00:12.274401 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04da, FOpts: ), FPort: e0, FRMPayload: 0444, MIC: 9abda354) |
| 0:00:12.274401 | LOG | Server <-------------------- DUT |
| 0:00:12.274401 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7d9, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: 3a3398c8) |
| 0:00:12.274401 | LOG | PULL\_RESP: Protocol version = 02, Token = 24de, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2055792153, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A2acAzZjo1EU6M5jI'}} |
| 0:00:12.274401 | LOG | Server --------------------> DUT |
| 0:00:12.274401 | LOG | TX\_ACK: 02 24de 05 aa555a0000240409 |
| 0:00:17.219817 | LOG | PUSH\_ACK: 02 1690 01 |
| 0:00:17.221836 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1690, Identifier = 00, JSON = {'rxpk': [{'tmst': 2059744881, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 17, 'data': 'QO++rd6C2wQDB+AwsTF8DPA='}]} |
| 0:00:17.221836 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04db, FOpts: 0307), FPort: e0, FRMPayload: 0445, MIC: 317c0cf0) |
| 0:00:17.221836 | LOG | Server <-------------------- DUT |
| 0:00:17.221836 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:17.221836 | LOG | Command Answer: 0307 |
| 0:00:17.229892 | LOG | MAC command communication completed |
| 0:00:17.229892 | LOG | End Test Step: Test mode activation |
| 0:00:17.229892 | LOG | Partial Verdict: PASS |
| 0:00:17.229892 | LOG | ========================================================= |
| 0:00:17.229892 | LOG | ========================================================= |
| 0:00:17.239871 | LOG | Start Test Step: Modify RX1 and RX2 timing to X second delay |
| 0:00:17.239871 | LOG | Send RXTimingSetupReq process starts |
| 0:00:21.937117 | LOG | PULL\_DATA: 02 3010 02 aa555a0000240409 |
| 0:00:21.937117 | LOG | PULL\_ACK: 02 3010 04 |
| 0:00:22.053696 | LOG | PUSH\_ACK: 02 1691 01 |
| 0:00:22.053696 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1691, Identifier = 00, JSON = {'rxpk': [{'tmst': 2064587209, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A3ATgYpKs97o/'}]} |
| 0:00:22.053696 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04dc, FOpts: ), FPort: e0, FRMPayload: 0445, MIC: acf7ba3f) |
| 0:00:22.053696 | LOG | Server <-------------------- DUT |
| 0:00:22.053696 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7da, FOpts: ), FPort: 00, FRMPayload: 0803), MIC: 273456bb) |
| 0:00:22.053696 | LOG | PULL\_RESP: Protocol version = 02, Token = 2af7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2065587209, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4A2qcA1eonNFa7'}} |
| 0:00:22.053696 | LOG | Server --------------------> DUT |
| 0:00:22.053696 | LOG | TX\_ACK: 02 2af7 05 aa555a0000240409 |
| 0:00:26.864081 | LOG | PUSH\_ACK: 02 1693 01 |
| 0:00:26.866126 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1693, Identifier = 00, JSON = {'rxpk': [{'tmst': 2069430225, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -45, 'size': 16, 'data': 'QO++rd6B3QQI4F9H66Y/jQ=='}]} |
| 0:00:26.866126 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 81, FCnt: 04dd, FOpts: 08), FPort: e0, FRMPayload: 0446, MIC: eba63f8d) |
| 0:00:26.866126 | LOG | Server <-------------------- DUT |
| 0:00:26.866126 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:26.866126 | LOG | Command Answer: 08 |
| 0:00:26.874252 | LOG | MAC command communication completed |
| 0:00:26.874252 | LOG | End Test Step: Modify RX1 and RX2 timing to X second delay |
| 0:00:26.874252 | LOG | Partial Verdict: PASS |
| 0:00:26.874252 | LOG | ========================================================= |
| 0:00:26.884202 | LOG | ========================================================= |
| 0:00:26.884202 | LOG | Start Test Step: Test reply retransmission |
| 0:00:26.884202 | LOG | Expect a MAC answer retransmission |
| 0:00:31.726189 | LOG | PUSH\_ACK: 02 1694 01 |
| 0:00:31.726189 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1694, Identifier = 00, JSON = {'rxpk': [{'tmst': 2074272905, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -51, 'size': 16, 'data': 'QO++rd6B3gQI4EOaZrkqug=='}]} |
| 0:00:31.726189 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 81, FCnt: 04de, FOpts: 08), FPort: e0, FRMPayload: 0446, MIC: 66b92aba) |
| 0:00:31.726189 | LOG | Server <-------------------- DUT |
| 0:00:31.726189 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:31.726189 | LOG | MAC answer retransmission completed |
| 0:00:31.726189 | LOG | Expect a MAC answer retransmission |
| 0:00:32.074868 | LOG | PULL\_DATA: 02 5488 02 aa555a0000240409 |
| 0:00:32.074868 | LOG | PULL\_ACK: 02 5488 04 |
| 0:00:36.558861 | LOG | PUSH\_ACK: 02 1695 01 |
| 0:00:36.558861 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1695, Identifier = 00, JSON = {'rxpk': [{'tmst': 2079115537, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 12.0, 'rssi': -50, 'size': 16, 'data': 'QO++rd6B3wQI4K5siN1q/g=='}]} |
| 0:00:36.558861 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 81, FCnt: 04df, FOpts: 08), FPort: e0, FRMPayload: 0446, MIC: 88dd6afe) |
| 0:00:36.558861 | LOG | Server <-------------------- DUT |
| 0:00:36.558861 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:36.558861 | LOG | MAC answer retransmission completed |
| 0:00:36.558861 | LOG | Expect a MAC answer retransmission |
| 0:00:41.428331 | LOG | PUSH\_ACK: 02 1696 01 |
| 0:00:41.430392 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1696, Identifier = 00, JSON = {'rxpk': [{'tmst': 2083958161, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 13.0, 'rssi': -52, 'size': 16, 'data': 'QO++rd6B4AQI4BsEvOwzzA=='}]} |
| 0:00:41.430392 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 81, FCnt: 04e0, FOpts: 08), FPort: e0, FRMPayload: 0446, MIC: bcec33cc) |
| 0:00:41.430392 | LOG | Server <-------------------- DUT |
| 0:00:41.430392 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:41.430392 | LOG | MAC answer retransmission completed |
| 0:00:41.430392 | LOG | Expect a MAC answer retransmission |
| 0:00:42.162220 | LOG | PULL\_DATA: 02 dd3d 02 aa555a0000240409 |
| 0:00:42.162220 | LOG | PULL\_ACK: 02 dd3d 04 |
| 0:00:46.237793 | LOG | PUSH\_ACK: 02 1697 01 |
| 0:00:46.237793 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1697, Identifier = 00, JSON = {'rxpk': [{'tmst': 2088800817, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -51, 'size': 16, 'data': 'QO++rd6B4QQI4MSmj90ojw=='}]} |
| 0:00:46.237793 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 81, FCnt: 04e1, FOpts: 08), FPort: e0, FRMPayload: 0446, MIC: 8fdd288f) |
| 0:00:46.237793 | LOG | Server <-------------------- DUT |
| 0:00:46.237793 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:46.237793 | LOG | MAC answer retransmission completed |
| 0:00:46.237793 | LOG | Expect a MAC answer retransmission |
| 0:00:51.077429 | LOG | PUSH\_ACK: 02 1698 01 |
| 0:00:51.079491 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1698, Identifier = 00, JSON = {'rxpk': [{'tmst': 2093643409, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -47, 'size': 16, 'data': 'QO++rd6B4gQI4GLuViFaow=='}]} |
| 0:00:51.079491 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 81, FCnt: 04e2, FOpts: 08), FPort: e0, FRMPayload: 0446, MIC: 56215aa3) |
| 0:00:51.079491 | LOG | Server <-------------------- DUT |
| 0:00:51.079491 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:51.079491 | LOG | MAC answer retransmission completed |
| 0:00:51.079491 | LOG | Test Echo service process starts |
| 0:00:52.355637 | LOG | PULL\_DATA: 02 7577 02 aa555a0000240409 |
| 0:00:52.355637 | LOG | PULL\_ACK: 02 7577 04 |
| 0:00:55.988858 | LOG | PUSH\_ACK: 02 1699 01 |
| 0:00:55.988858 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1699, Identifier = 00, JSON = {'rxpk': [{'tmst': 2098526473, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -49, 'size': 16, 'data': 'QO++rd6B4wQI4A9hMXnUBA=='}]} |
| 0:00:55.988858 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 81, FCnt: 04e3, FOpts: 08), FPort: e0, FRMPayload: 0446, MIC: 3179d404) |
| 0:00:55.988858 | LOG | Server <-------------------- DUT |
| 0:00:55.988858 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7db, FOpts: ), FPort: e0, FRMPayload: 04020304), MIC: 209622e9) |
| 0:00:55.988858 | LOG | PULL\_RESP: Protocol version = 02, Token = 9634, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2101526473, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 17, 'data': 'YO++rd4A26fgmroMLiCWIuk='}} |
| 0:00:55.988858 | LOG | Server --------------------> DUT |
| 0:00:55.988858 | LOG | TX\_ACK: 02 9634 05 aa555a0000240409 |
| 0:01:00.844680 | LOG | PUSH\_ACK: 02 169b 01 |
| 0:01:00.846724 | LOG | PUSH\_DATA: Protocol version = 02, Token = 169b, Identifier = 00, JSON = {'rxpk': [{'tmst': 2103369305, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -49, 'size': 17, 'data': 'QO++rd6A5ATgMFj0zBfuYnI='}]} |
| 0:01:00.846724 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04e4, FOpts: ), FPort: e0, FRMPayload: 04030405, MIC: 17ee6272) |
| 0:01:00.846724 | LOG | Server <-------------------- DUT |
| 0:01:00.846724 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:01:00.846724 | LOG | Echo service tested successfully |
| 0:01:00.846724 | LOG | Test Echo service process starts |
| 0:01:02.575261 | LOG | PULL\_DATA: 02 6102 02 aa555a0000240409 |
| 0:01:02.575261 | LOG | PULL\_ACK: 02 6102 04 |
| 0:01:05.641680 | LOG | PUSH\_ACK: 02 169c 01 |
| 0:01:05.643696 | LOG | PUSH\_DATA: Protocol version = 02, Token = 169c, Identifier = 00, JSON = {'rxpk': [{'tmst': 2108211585, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A5QTgVZnIGSsm'}]} |
| 0:01:05.643696 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04e5, FOpts: ), FPort: e0, FRMPayload: 0447, MIC: c8192b26) |
| 0:01:05.643696 | LOG | Server <-------------------- DUT |
| 0:01:05.643696 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7dc, FOpts: ), FPort: e0, FRMPayload: 04121314), MIC: e31ca5a5) |
| 0:01:05.643696 | LOG | PULL\_RESP: Protocol version = 02, Token = 221b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2112211585, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 17, 'data': 'YO++rd4A3Kfg/dzF5uMcpaU='}} |
| 0:01:05.643696 | LOG | Server --------------------> DUT |
| 0:01:05.643696 | LOG | TX\_ACK: 02 221b 05 aa555a0000240409 |
| 0:01:10.513499 | LOG | PUSH\_ACK: 02 169d 01 |
| 0:01:10.513499 | LOG | PUSH\_DATA: Protocol version = 02, Token = 169d, Identifier = 00, JSON = {'rxpk': [{'tmst': 2113054546, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 17, 'data': 'QO++rd6A5gTgM09waRFLXlg='}]} |
| 0:01:10.513499 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04e6, FOpts: ), FPort: e0, FRMPayload: 04131415, MIC: 114b5e58) |
| 0:01:10.513499 | LOG | Server <-------------------- DUT |
| 0:01:10.513499 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:01:10.513499 | LOG | Echo service tested successfully |
| 0:01:10.521530 | LOG | End Test Step: Test reply retransmission |
| 0:01:10.521530 | LOG | Partial Verdict: PASS |
| 0:01:10.521530 | LOG | ========================================================= |
| 0:01:10.521530 | LOG | ========================================================= |
| 0:01:10.521530 | LOG | Start Test Step: Restore default timing |
| 0:01:10.531560 | LOG | Send RXTimingSetupReq process starts |
| 0:01:12.659775 | LOG | PULL\_DATA: 02 73d2 02 aa555a0000240409 |
| 0:01:12.659775 | LOG | PULL\_ACK: 02 73d2 04 |
| 0:01:15.363055 | LOG | PUSH\_ACK: 02 169e 01 |
| 0:01:15.365072 | LOG | PUSH\_DATA: Protocol version = 02, Token = 169e, Identifier = 00, JSON = {'rxpk': [{'tmst': 2117897010, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A5wTgoUIKhOwx'}]} |
| 0:01:15.365072 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04e7, FOpts: ), FPort: e0, FRMPayload: 0448, MIC: 0a84ec31) |
| 0:01:15.365072 | LOG | Server <-------------------- DUT |
| 0:01:15.365072 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7dd, FOpts: ), FPort: 00, FRMPayload: 0801), MIC: ee39b238) |
| 0:01:15.365072 | LOG | PULL\_RESP: Protocol version = 02, Token = 6414, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2120897010, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4A3acAWsTuObI4'}} |
| 0:01:15.365072 | LOG | Server --------------------> DUT |
| 0:01:15.365072 | LOG | TX\_ACK: 02 6414 05 aa555a0000240409 |
| 0:01:19.094319 | LOG | PUSH\_ACK: 02 169f 01 |
| 0:01:19.094319 | LOG | MIC MISMATCH! |
| 0:01:19.094319 | LOG | PUSH\_DATA: Protocol version = 02, Token = 169f, Identifier = 00, JSON = {'rxpk': [{'tmst': 2121640697, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': -1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/6', 'lsnr': -11.8, 'rssi': -86, 'size': 192, 'data': 'mmeUJXc28dwNAb0DvFWHTOMTXJKiKJBIHptTt3p8tG+fVaxwnH+20lxVDTBuCfeGrQNlqWqEFs/p7MD5JN5vRjX0Z9+gtaLhy4IypKI0Aia87Fpfyd2n+laPe9g5x5HYIhvzAEN0X4uLiL5qPFhNmQYBwQzU285xAMaGSdiCSMewB56mwkyna5Qpjp6x8sguRCCr35TJe6HmZ1kttfFTd5l1stAo4Kwm8BLHYtmC4UB9afm4dcxIyxaksbIOtj7T'}]} |
| 0:01:19.094319 | LOG | DATA: (MHDR: 9a, MACPayload: (FHDR: (DevAddr: 67942577, FCtrl: 36, FCnt: dcf1, FOpts: 0d01bd03bc55), FPort: 87, FRMPayload: 719dc1241402ff3434203cb16152f9485fad805f26bf07e991142fa22bc34521e43e5e69cff46e6c81a7330f0447e119ac27ab9fca227f8f4da1cd37398ed5af48b5db25463e5de9182f7d0fa7f004d5f0e69817a38234bc3a6d79d270865d6818d1a6e6ead92684348a1cb4d33af951f9695aeba6a0658fa98661aab7d9857f639448f687a4682e720b707b9af79f4d5053c2f6f1131b0e737c6a6079c7815ba7a76534fc349b303eb41dc7d4, MIC: 0eb63ed3) |
| 0:01:20.202367 | LOG | PUSH\_ACK: 02 16a0 01 |
| 0:01:20.202367 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16a0, Identifier = 00, JSON = {'rxpk': [{'tmst': 2122739810, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 16, 'data': 'QO++rd6B6AQI4MY2eHl3mQ=='}]} |
| 0:01:20.202367 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 81, FCnt: 04e8, FOpts: 08), FPort: e0, FRMPayload: 0449, MIC: 78797799) |
| 0:01:20.202367 | LOG | Server <-------------------- DUT |
| 0:01:20.202367 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:01:20.202367 | LOG | Command Answer: 08 |
| 0:01:20.212401 | LOG | MAC command communication completed |
| 0:01:20.212401 | LOG | Test Echo service process starts |
| 0:01:22.792654 | LOG | PULL\_DATA: 02 92ec 02 aa555a0000240409 |
| 0:01:22.792654 | LOG | PULL\_ACK: 02 92ec 04 |
| 0:01:25.062948 | LOG | PUSH\_ACK: 02 16a1 01 |
| 0:01:25.062948 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16a1, Identifier = 00, JSON = {'rxpk': [{'tmst': 2127582362, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -43, 'size': 16, 'data': 'QO++rd6B6QQI4KdYOdSEdQ=='}]} |
| 0:01:25.062948 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 81, FCnt: 04e9, FOpts: 08), FPort: e0, FRMPayload: 0449, MIC: 39d48475) |
| 0:01:25.062948 | LOG | Server <-------------------- DUT |
| 0:01:25.062948 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7de, FOpts: ), FPort: e0, FRMPayload: 0401), MIC: ac92af2e) |
| 0:01:25.062948 | LOG | PULL\_RESP: Protocol version = 02, Token = f7c4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2128582362, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4A3qfgtMuskq8u'}} |
| 0:01:25.062948 | LOG | Server --------------------> DUT |
| 0:01:25.062948 | LOG | TX\_ACK: 02 f7c4 05 aa555a0000240409 |
| 0:01:29.923202 | LOG | PUSH\_ACK: 02 16a3 01 |
| 0:01:29.923202 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16a3, Identifier = 00, JSON = {'rxpk': [{'tmst': 2132424833, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6A6gTg7+uhkWLX'}]} |
| 0:01:29.923202 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04ea, FOpts: ), FPort: e0, FRMPayload: 0402, MIC: a19162d7) |
| 0:01:29.923202 | LOG | Server <-------------------- DUT |
| 0:01:29.923202 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:01:29.923202 | LOG | Echo service tested successfully |
| 0:01:29.923202 | LOG | Test Echo service process starts |
| 0:01:32.863532 | LOG | PULL\_DATA: 02 7e9a 02 aa555a0000240409 |
| 0:01:32.863532 | LOG | PULL\_ACK: 02 7e9a 04 |
| 0:01:34.752068 | LOG | PUSH\_ACK: 02 16a4 01 |
| 0:01:34.752068 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16a4, Identifier = 00, JSON = {'rxpk': [{'tmst': 2137307881, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -52, 'size': 15, 'data': 'QO++rd6A6wTguzWf0qlk'}]} |
| 0:01:34.752068 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04eb, FOpts: ), FPort: e0, FRMPayload: 044a, MIC: 9fd2a964) |
| 0:01:34.752068 | LOG | Server <-------------------- DUT |
| 0:01:34.752068 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7df, FOpts: ), FPort: e0, FRMPayload: 0401), MIC: 583a76da) |
| 0:01:34.752068 | LOG | PULL\_RESP: Protocol version = 02, Token = 0ea8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2139307881, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 15, 'data': 'YO++rd4A36fgG2NYOnba'}} |
| 0:01:34.752068 | LOG | Server --------------------> DUT |
| 0:01:34.752068 | LOG | TX\_ACK: 02 0ea8 05 aa555a0000240409 |
| 0:01:39.612538 | LOG | PUSH\_ACK: 02 16a5 01 |
| 0:01:39.612538 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16a5, Identifier = 00, JSON = {'rxpk': [{'tmst': 2142150691, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -52, 'size': 15, 'data': 'QO++rd6A7ATgPaSOzbQr'}]} |
| 0:01:39.612538 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04ec, FOpts: ), FPort: e0, FRMPayload: 0402, MIC: 8ecdb42b) |
| 0:01:39.612538 | LOG | Server <-------------------- DUT |
| 0:01:39.612538 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:01:39.612538 | LOG | Echo service tested successfully |
| 0:01:39.620585 | LOG | End Test Step: Restore default timing |
| 0:01:39.622628 | LOG | Partial Verdict: PASS |
| 0:01:39.622628 | LOG | ========================================================= |
| 0:01:39.622628 | LOG | ========================================================= |
| 0:01:39.622628 | LOG | Start Test Step: Test mode deactivation |
| 0:01:39.630678 | LOG | Test Mode deactivation process starts |
| 0:01:39.630678 | LOG | End Test Step: Test mode deactivation |
| 0:01:39.640709 | LOG | TEST STEP NOT APPLICABLE |
| 0:01:39.640709 | LOG | ========================================================= |
| 0:01:39.640709 | LOG | End Test Case: TP\_A\_US915\_ED\_MAC\_BV\_014 |
| 0:01:39.640709 | LOG | Final Verdict: PASS |

|  |  |  |
| --- | --- | --- |
| **Test Case** | TP\_A\_US915\_ED\_MAC\_BV\_016 | |
| **Verdict** | PASS | |
| **Date** | 2021-08-03 18:17:35 | |
| **Description** | RX Oversized payload | |
| **Technology Version** | LCTT v3.3.0\_R1 | GUI v1.9.0 | |
| **Core Version** | LoRaWAN\_L2v1.0.4/RP2\_v1.0.1 | |
| **Test Specs Version** | USv1.5.1/EUv1.6/KRv1.2.1/ASv1.1.1/INv1.1.1/ALL\_Av1.3/ALL\_Cv1.0 | |
| **Project** | HTLRBL32L - US915 | |
| **Project Creation Date** | 2021-07-19 10:56:56 | |
| **Sample** | DevID:HTLRBL32L testboard | AppID:1 | SW:1 | HW:1 | |
| **Parameters** | Conformance | TRUE |

|  |  |  |
| --- | --- | --- |
| **Time Stamp (ms)** | **Event** | **Summary** |
| 0:00:00.010462 | LOG | Start Test Case: TP\_A\_US915\_ED\_MAC\_BV\_016 |
| 0:00:00.030462 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT UPDATES. |
| 0:00:00.030462 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT TECHNOLOGY PACKAGES. |
| 0:00:00.040425 | LOG | ========================================================= |
| 0:00:00.040425 | LOG | Start Test Step: Device activation |
| 0:00:00.080457 | LOG | Activation process has finished successfully |
| 0:00:00.080457 | LOG | Data stored in the DUT after Activation: |
| 0:00:00.090457 | LOG | DevAddr: efbeadde |
| 0:00:00.090457 | LOG | AppEUI: 1111111111111111 |
| 0:00:00.090457 | LOG | NwkSKey: 11111111111111111111111111111111 |
| 0:00:00.090457 | LOG | AppSKey: 11111111111111111111111111111111 |
| 0:00:00.090457 | LOG | End Test Step: Device activation |
| 0:00:00.090457 | LOG | Partial Verdict: PASS |
| 0:00:00.100452 | LOG | ========================================================= |
| 0:00:00.100452 | LOG | ========================================================= |
| 0:00:00.100452 | LOG | Start Test Step: Test mode activation |
| 0:00:00.110427 | LOG | Test Mode activation process starts |
| 0:00:00.110427 | LOG | Test Mode has been enabled successfully |
| 0:00:00.110427 | LOG | Send LinkADRReq process starts |
| 0:00:01.754938 | LOG | PULL\_DATA: 02 b930 02 aa555a0000240409 |
| 0:00:01.754938 | LOG | PULL\_ACK: 02 b930 04 |
| 0:00:01.754938 | LOG | First PULL\_DATA received |
| 0:00:03.218541 | LOG | PUSH\_ACK: 02 16a6 01 |
| 0:00:03.218541 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16a6, Identifier = 00, JSON = {'rxpk': [{'tmst': 2146993275, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6A7QTgSdFJg/bo'}]} |
| 0:00:03.218541 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04ed, FOpts: ), FPort: e0, FRMPayload: 044b, MIC: 4983f6e8) |
| 0:00:03.218541 | LOG | Server <-------------------- DUT |
| 0:00:03.218541 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7e0, FOpts: ), FPort: 00, FRMPayload: 0345010071), MIC: 9a5dc65f) |
| 0:00:03.218541 | LOG | PULL\_RESP: Protocol version = 02, Token = 1f1a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2147993275, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A4KcAgEjWshmaXcZf'}} |
| 0:00:03.218541 | LOG | Server --------------------> DUT |
| 0:00:03.226562 | LOG | TX\_ACK: 02 1f1a 05 aa555a0000240409 |
| 0:00:07.969340 | LOG | PUSH\_ACK: 02 16a7 01 |
| 0:00:07.969340 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16a7, Identifier = 00, JSON = {'rxpk': [{'tmst': 2151746687, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -54, 'size': 17, 'data': 'QO++rd6C7gQDB+BM7eWH518='}]} |
| 0:00:07.969340 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04ee, FOpts: 0307), FPort: e0, FRMPayload: 044c, MIC: e587e75f) |
| 0:00:07.969340 | LOG | Server <-------------------- DUT |
| 0:00:07.969340 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:07.969340 | LOG | Command Answer: 0307 |
| 0:00:07.977357 | LOG | MAC command communication completed |
| 0:00:07.977357 | LOG | Send LinkADRReq process starts |
| 0:00:11.827266 | LOG | PULL\_DATA: 02 c0e2 02 aa555a0000240409 |
| 0:00:11.827266 | LOG | PULL\_ACK: 02 c0e2 04 |
| 0:00:12.817265 | LOG | PUSH\_ACK: 02 16a8 01 |
| 0:00:12.817265 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16a8, Identifier = 00, JSON = {'rxpk': [{'tmst': 2156594011, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -54, 'size': 15, 'data': 'QO++rd6A7wTg4otX+Tjg'}]} |
| 0:00:12.817265 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04ef, FOpts: ), FPort: e0, FRMPayload: 044c, MIC: 57f938e0) |
| 0:00:12.817265 | LOG | Server <-------------------- DUT |
| 0:00:12.817265 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7e1, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: 835d7e66) |
| 0:00:12.817265 | LOG | PULL\_RESP: Protocol version = 02, Token = 3514, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2157594011, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4A4acAI9UPLpaDXX5m'}} |
| 0:00:12.817265 | LOG | Server --------------------> DUT |
| 0:00:12.817265 | LOG | TX\_ACK: 02 3514 05 aa555a0000240409 |
| 0:00:17.770051 | LOG | PUSH\_ACK: 02 16aa 01 |
| 0:00:17.770051 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16aa, Identifier = 00, JSON = {'rxpk': [{'tmst': 2161546716, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -49, 'size': 17, 'data': 'QO++rd6C8AQDB+AeOsDFp58='}]} |
| 0:00:17.770051 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04f0, FOpts: 0307), FPort: e0, FRMPayload: 044d, MIC: c0c5a79f) |
| 0:00:17.770051 | LOG | Server <-------------------- DUT |
| 0:00:17.770051 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:17.770051 | LOG | Command Answer: 0307 |
| 0:00:17.778117 | LOG | MAC command communication completed |
| 0:00:17.780189 | LOG | End Test Step: Test mode activation |
| 0:00:17.780189 | LOG | Partial Verdict: PASS |
| 0:00:17.780189 | LOG | ========================================================= |
| 0:00:17.788300 | LOG | ========================================================= |
| 0:00:17.788300 | LOG | Start Test Step: Oversized downlink for datarate SF12BW500 |
| 0:00:17.788300 | LOG | Send MAC command block process starts |
| 0:00:22.015911 | LOG | PULL\_DATA: 02 f488 02 aa555a0000240409 |
| 0:00:22.015911 | LOG | PULL\_ACK: 02 f488 04 |
| 0:00:22.618339 | LOG | PUSH\_ACK: 02 16ab 01 |
| 0:00:22.620383 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16ab, Identifier = 00, JSON = {'rxpk': [{'tmst': 2166389004, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -50, 'size': 15, 'data': 'QO++rd6A8QTgyBpJAoVT'}]} |
| 0:00:22.620383 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 04f1, FOpts: ), FPort: e0, FRMPayload: 044d, MIC: 49028553) |
| 0:00:22.620383 | LOG | Server <-------------------- DUT |
| 0:00:22.620383 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7e2, FOpts: ), FPort: 00, FRMPayload: 0305ff0001052868e28c), MIC: a8e06b10) |
| 0:00:22.620383 | LOG | PULL\_RESP: Protocol version = 02, Token = 83c3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2167389004, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4A4qcATvM+7/RVTp9NMKjgaxA='}} |
| 0:00:22.620383 | LOG | Server --------------------> DUT |
| 0:00:22.620383 | LOG | TX\_ACK: 02 83c3 05 aa555a0000240409 |
| 0:00:27.717903 | LOG | PUSH\_ACK: 02 16ac 01 |
| 0:00:27.719929 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16ac, Identifier = 00, JSON = {'rxpk': [{'tmst': 2171469851, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -53, 'size': 19, 'data': 'QO++rd6E8gQDBwUH4Pi9FY260w=='}]} |
| 0:00:27.719929 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 04f2, FOpts: 03070507), FPort: e0, FRMPayload: 044e, MIC: 158dbad3) |
| 0:00:27.719929 | LOG | Server <-------------------- DUT |
| 0:00:27.719929 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:27.719929 | LOG | Command Answer: 03070507 |
| 0:00:27.757974 | LOG | MAC command communication completed |
| 0:00:27.757974 | LOG | Check device continues normal operation process starts |
| 0:00:32.056487 | LOG | PULL\_DATA: 02 e43d 02 aa555a0000240409 |
| 0:00:32.056487 | LOG | PULL\_ACK: 02 e43d 04 |
| 0:00:32.589818 | LOG | PUSH\_ACK: 02 16ad 01 |
| 0:00:32.591838 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16ad, Identifier = 00, JSON = {'rxpk': [{'tmst': 2176312307, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -48, 'size': 17, 'data': 'QO++rd6C8wQFB+BjnxmPmq0='}]} |
| 0:00:32.591838 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04f3, FOpts: 0507), FPort: e0, FRMPayload: 044e, MIC: 198f9aad) |
| 0:00:32.591838 | LOG | Server <-------------------- DUT |
| 0:00:32.591838 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7e3, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c2944722) |
| 0:00:32.591838 | LOG | PULL\_RESP: Protocol version = 02, Token = 8777, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2177312307, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 67, 'data': 'oO++rd4A46fgQqp7yJDbzUJzNyDLQG0sbTmTBoXbFvQtc3mKZNI6ja78TxNiW8MQawGZDV2ib6a26z0FNrkLwpRHIg=='}} |
| 0:00:32.591838 | LOG | Server --------------------> DUT |
| 0:00:32.591838 | LOG | TX\_ACK: 02 8777 05 aa555a0000240409 |
| 0:00:37.419071 | LOG | PUSH\_ACK: 02 16ae 01 |
| 0:00:37.421131 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16ae, Identifier = 00, JSON = {'rxpk': [{'tmst': 2181154806, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -55, 'size': 17, 'data': 'QO++rd6C9AQFB+BJM4lBIPQ='}]} |
| 0:00:37.421131 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04f4, FOpts: 0507), FPort: e0, FRMPayload: 044e, MIC: 894120f4) |
| 0:00:37.421131 | LOG | Server <-------------------- DUT |
| 0:00:37.421131 | LOG | Normal operation has been tested successfully |
| 0:00:37.421131 | LOG | Check device continues normal operation process starts |
| 0:00:42.221925 | LOG | PULL\_DATA: 02 d93d 02 aa555a0000240409 |
| 0:00:42.221925 | LOG | PULL\_ACK: 02 d93d 04 |
| 0:00:42.252358 | LOG | PUSH\_ACK: 02 16af 01 |
| 0:00:42.254401 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16af, Identifier = 00, JSON = {'rxpk': [{'tmst': 2185997350, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 4.5, 'rssi': -45, 'size': 17, 'data': 'QO++rd6C9QQFB+CF8h5TlVk='}]} |
| 0:00:42.254401 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04f5, FOpts: 0507), FPort: e0, FRMPayload: 044e, MIC: 1e539559) |
| 0:00:42.254401 | LOG | Server <-------------------- DUT |
| 0:00:42.254401 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7e4, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 2fb4a1fb) |
| 0:00:42.254401 | LOG | PULL\_RESP: Protocol version = 02, Token = bce1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2186997350, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 67, 'data': 'YO++rd4A5Kfg0K4WPKjXlEsoI37zf10XnFhWVdudv8KtL3yausAprZ8cha+o5ehkmIPuLuG9Pr6O0Dm5FKtmL7Sh+w=='}} |
| 0:00:42.254401 | LOG | Server --------------------> DUT |
| 0:00:42.254401 | LOG | TX\_ACK: 02 bce1 05 aa555a0000240409 |
| 0:00:47.066146 | LOG | PUSH\_ACK: 02 16b1 01 |
| 0:00:47.066146 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16b1, Identifier = 00, JSON = {'rxpk': [{'tmst': 2190839871, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -59, 'size': 17, 'data': 'QO++rd6C9gQFB+D1e+wHWxA='}]} |
| 0:00:47.066146 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04f6, FOpts: 0507), FPort: e0, FRMPayload: 044e, MIC: ec075b10) |
| 0:00:47.066146 | LOG | Server <-------------------- DUT |
| 0:00:47.066146 | LOG | Normal operation has been tested successfully |
| 0:00:47.074253 | LOG | Check device continues normal operation process starts |
| 0:00:51.911028 | LOG | PUSH\_ACK: 02 16b2 01 |
| 0:00:51.913071 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16b2, Identifier = 00, JSON = {'rxpk': [{'tmst': 2195682319, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -49, 'size': 17, 'data': 'QO++rd6C9wQFB+D4wLgK/Jk='}]} |
| 0:00:51.913071 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04f7, FOpts: 0507), FPort: e0, FRMPayload: 044e, MIC: b80afc99) |
| 0:00:51.913071 | LOG | Server <-------------------- DUT |
| 0:00:51.913071 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7e5, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 4aa2a42f) |
| 0:00:51.913071 | LOG | PULL\_RESP: Protocol version = 02, Token = e8ca, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2197682319, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 67, 'data': 'oO++rd4A5afgMK1jJIpceEwuf3yXxEg/DCssikGvucLt+GVA0U7QT92UBDMdK6JP6lCTTqtDH2UExyfC4ADvSqKkLw=='}} |
| 0:00:51.913071 | LOG | Server --------------------> DUT |
| 0:00:51.913071 | LOG | TX\_ACK: 02 e8ca 05 aa555a0000240409 |
| 0:00:52.332835 | LOG | PULL\_DATA: 02 d573 02 aa555a0000240409 |
| 0:00:52.332835 | LOG | PULL\_ACK: 02 d573 04 |
| 0:00:56.846531 | LOG | PUSH\_ACK: 02 16b3 01 |
| 0:00:56.848581 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16b3, Identifier = 00, JSON = {'rxpk': [{'tmst': 2200565241, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 5.5, 'rssi': -55, 'size': 17, 'data': 'QO++rd6C+AQFB+A308hDavg='}]} |
| 0:00:56.848581 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04f8, FOpts: 0507), FPort: e0, FRMPayload: 044e, MIC: c8436af8) |
| 0:00:56.848581 | LOG | Server <-------------------- DUT |
| 0:00:56.848581 | LOG | Normal operation has been tested successfully |
| 0:00:56.848581 | LOG | Check device continues normal operation process starts |
| 0:01:01.667528 | LOG | PUSH\_ACK: 02 16b4 01 |
| 0:01:01.669544 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16b4, Identifier = 00, JSON = {'rxpk': [{'tmst': 2205407705, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -47, 'size': 17, 'data': 'QO++rd6C+QQFB+Ca2XuDthI='}]} |
| 0:01:01.669544 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04f9, FOpts: 0507), FPort: e0, FRMPayload: 044e, MIC: 7b83b612) |
| 0:01:01.669544 | LOG | Server <-------------------- DUT |
| 0:01:01.669544 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7e6, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 23fab2d0) |
| 0:01:01.669544 | LOG | PULL\_RESP: Protocol version = 02, Token = 46ed, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2207407705, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 67, 'data': 'YO++rd4A5qfgDkC6JMa1KGT/h6JODwwdrDjo1zBFvhOQ44aHN5Ib5g/h2A+Ye+d57sUAgqFp2yULXXa1i6xDI/qy0A=='}} |
| 0:01:01.669544 | LOG | Server --------------------> DUT |
| 0:01:01.669544 | LOG | TX\_ACK: 02 46ed 05 aa555a0000240409 |
| 0:01:02.498242 | LOG | PULL\_DATA: 02 5c85 02 aa555a0000240409 |
| 0:01:02.498242 | LOG | PULL\_ACK: 02 5c85 04 |
| 0:01:06.537597 | LOG | PUSH\_ACK: 02 16b5 01 |
| 0:01:06.537597 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16b5, Identifier = 00, JSON = {'rxpk': [{'tmst': 2210250071, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -57, 'size': 17, 'data': 'QO++rd6C+gQFB+AlLweHXjo='}]} |
| 0:01:06.537597 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04fa, FOpts: 0507), FPort: e0, FRMPayload: 044e, MIC: 07875e3a) |
| 0:01:06.537597 | LOG | Server <-------------------- DUT |
| 0:01:06.537597 | LOG | Normal operation has been tested successfully |
| 0:01:06.537597 | LOG | End Test Step: Oversized downlink for datarate SF12BW500 |
| 0:01:06.547621 | LOG | Partial Verdict: PASS |
| 0:01:06.547621 | LOG | ========================================================= |
| 0:01:06.547621 | LOG | ========================================================= |
| 0:01:06.547621 | LOG | Start Test Step: Oversized downlink for datarate SF11BW500 |
| 0:01:06.557629 | LOG | Send MAC command block process starts |
| 0:01:11.395802 | LOG | PUSH\_ACK: 02 16b6 01 |
| 0:01:11.395802 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16b6, Identifier = 00, JSON = {'rxpk': [{'tmst': 2215092519, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 4.8, 'rssi': -44, 'size': 17, 'data': 'QO++rd6C+wQFB+AO9loneII='}]} |
| 0:01:11.395802 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04fb, FOpts: 0507), FPort: e0, FRMPayload: 044e, MIC: 5a277882) |
| 0:01:11.395802 | LOG | Server <-------------------- DUT |
| 0:01:11.395802 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7e7, FOpts: ), FPort: 00, FRMPayload: 0315ff0001052968e28c), MIC: 714f1494) |
| 0:01:11.395802 | LOG | PULL\_RESP: Protocol version = 02, Token = 9bba, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2216092519, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF12BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4A56cA1uXb6blc0Lg05nFPFJQ='}} |
| 0:01:11.395802 | LOG | Server --------------------> DUT |
| 0:01:11.395802 | LOG | TX\_ACK: 02 9bba 05 aa555a0000240409 |
| 0:01:12.627187 | LOG | PULL\_DATA: 02 c878 02 aa555a0000240409 |
| 0:01:12.627187 | LOG | PULL\_ACK: 02 c878 04 |
| 0:01:16.033460 | LOG | PUSH\_ACK: 02 16b8 01 |
| 0:01:16.033460 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16b8, Identifier = 00, JSON = {'rxpk': [{'tmst': 2219790552, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 12.0, 'rssi': -49, 'size': 19, 'data': 'QO++rd6E/AQDBwUH4B1yzcfEBw=='}]} |
| 0:01:16.033460 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 04fc, FOpts: 03070507), FPort: e0, FRMPayload: 044f, MIC: cdc7c407) |
| 0:01:16.033460 | LOG | Server <-------------------- DUT |
| 0:01:16.033460 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:01:16.033460 | LOG | Command Answer: 03070507 |
| 0:01:16.073448 | LOG | MAC command communication completed |
| 0:01:16.073448 | LOG | Check device continues normal operation process starts |
| 0:01:20.909701 | LOG | PUSH\_ACK: 02 16b9 01 |
| 0:01:20.909701 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16b9, Identifier = 00, JSON = {'rxpk': [{'tmst': 2224612120, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -49, 'size': 17, 'data': 'QO++rd6C/QQFB+AIEC1iPOc='}]} |
| 0:01:20.909701 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04fd, FOpts: 0507), FPort: e0, FRMPayload: 044f, MIC: 2d623ce7) |
| 0:01:20.909701 | LOG | Server <-------------------- DUT |
| 0:01:20.909701 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7e8, FOpts: ), FPort: e0, FRMPayload: 03010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7115518d) |
| 0:01:20.909701 | LOG | PULL\_RESP: Protocol version = 02, Token = 4e3f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2225612120, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 143, 'data': 'oO++rd4A6Kfgd9GJkAPOco12qkfMza5Po1jZ9L38YcjpHMNwRsqhC7VLmVCN77nOx9UJlIr6ZlsU7z7mLJbiT2+RYHpkn7kFO2JmxAL7lZwlH0ieNGoH66NhimaCgx+KS+kmgxsu98V+6Q256iCUh70j9GlGXDFxs/kBb9CiFmeEbcGKV9ygGnFAAnEVUY0='}} |
| 0:01:20.909701 | LOG | Server --------------------> DUT |
| 0:01:20.909701 | LOG | TX\_ACK: 02 4e3f 05 aa555a0000240409 |
| 0:01:22.737385 | LOG | PULL\_DATA: 02 f310 02 aa555a0000240409 |
| 0:01:22.737385 | LOG | PULL\_ACK: 02 f310 04 |
| 0:01:25.701179 | LOG | PUSH\_ACK: 02 16ba 01 |
| 0:01:25.703242 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16ba, Identifier = 00, JSON = {'rxpk': [{'tmst': 2229454528, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -50, 'size': 17, 'data': 'QO++rd6C/gQFB+BQOPjdDhI='}]} |
| 0:01:25.703242 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04fe, FOpts: 0507), FPort: e0, FRMPayload: 044f, MIC: f8dd0e12) |
| 0:01:25.703242 | LOG | Server <-------------------- DUT |
| 0:01:25.703242 | LOG | Normal operation has been tested successfully |
| 0:01:25.703242 | LOG | Check device continues normal operation process starts |
| 0:01:30.586185 | LOG | PUSH\_ACK: 02 16bb 01 |
| 0:01:30.588304 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16bb, Identifier = 00, JSON = {'rxpk': [{'tmst': 2234297152, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -50, 'size': 17, 'data': 'QO++rd6C/wQFB+DKuKatjho='}]} |
| 0:01:30.588304 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 04ff, FOpts: 0507), FPort: e0, FRMPayload: 044f, MIC: a6ad8e1a) |
| 0:01:30.588304 | LOG | Server <-------------------- DUT |
| 0:01:30.588304 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7e9, FOpts: ), FPort: e0, FRMPayload: 03010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1e29c353) |
| 0:01:30.588304 | LOG | PULL\_RESP: Protocol version = 02, Token = b06f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2235297152, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 143, 'data': 'YO++rd4A6afgSLZn0MILtOjOyJYjEtQK53GR+RSUyEc1JTdp4VZzlSd1dSheuJHYFkJrJANPj2MunsIwWREbxw+TUPjTIwnoCv09Std9mGc1dk+jypodBS8Fj6SdvBV0os0ZN5GYHTMg9Y416d64R3+codesEi44b1uDVmJjgL0FTweZOGCj2Ki2Oh4pw1M='}} |
| 0:01:30.588304 | LOG | Server --------------------> DUT |
| 0:01:30.588304 | LOG | TX\_ACK: 02 b06f 05 aa555a0000240409 |
| 0:01:32.838797 | LOG | PULL\_DATA: 02 7c9e 02 aa555a0000240409 |
| 0:01:32.838797 | LOG | PULL\_ACK: 02 7c9e 04 |
| 0:01:35.409421 | LOG | PUSH\_ACK: 02 16bc 01 |
| 0:01:35.411467 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16bc, Identifier = 00, JSON = {'rxpk': [{'tmst': 2239180111, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CAAUFB+BJ2lqEM/Q='}]} |
| 0:01:35.411467 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0500, FOpts: 0507), FPort: e0, FRMPayload: 044f, MIC: 5a8433f4) |
| 0:01:35.411467 | LOG | Server <-------------------- DUT |
| 0:01:35.411467 | LOG | Normal operation has been tested successfully |
| 0:01:35.411467 | LOG | Check device continues normal operation process starts |
| 0:01:40.276002 | LOG | PUSH\_ACK: 02 16bd 01 |
| 0:01:40.278046 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16bd, Identifier = 00, JSON = {'rxpk': [{'tmst': 2244022599, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -43, 'size': 17, 'data': 'QO++rd6CAQUFB+BbAMPqUx4='}]} |
| 0:01:40.278046 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0501, FOpts: 0507), FPort: e0, FRMPayload: 044f, MIC: c3ea531e) |
| 0:01:40.278046 | LOG | Server <-------------------- DUT |
| 0:01:40.278046 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7ea, FOpts: ), FPort: e0, FRMPayload: 03010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a052e26c) |
| 0:01:40.278046 | LOG | PULL\_RESP: Protocol version = 02, Token = 08db, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2246022599, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 143, 'data': 'oO++rd4A6qfgFbISf/TNA9Y7WdPGvnsoIWxfqL/JskTquOKoPHbyTodShJiktao56Upubzb4ifk3rB22tZfO0sDLmFt7rdX5kChXQnKUnOfiK+HW41lUvojYm94AtOVcVQDL/pyDcdxMZdh9M7vPUwjsVpFuuQiXQ0IXaTESGMy4bZwpwcxieVKIq6BS4mw='}} |
| 0:01:40.278046 | LOG | Server --------------------> DUT |
| 0:01:40.278046 | LOG | TX\_ACK: 02 08db 05 aa555a0000240409 |
| 0:01:42.959461 | LOG | PULL\_DATA: 02 f8de 02 aa555a0000240409 |
| 0:01:42.959461 | LOG | PULL\_ACK: 02 f8de 04 |
| 0:01:45.078935 | LOG | PUSH\_ACK: 02 16be 01 |
| 0:01:45.078935 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16be, Identifier = 00, JSON = {'rxpk': [{'tmst': 2248865103, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CAgUFB+CvER5eqTc='}]} |
| 0:01:45.078935 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0502, FOpts: 0507), FPort: e0, FRMPayload: 044f, MIC: 1e5ea937) |
| 0:01:45.078935 | LOG | Server <-------------------- DUT |
| 0:01:45.078935 | LOG | Normal operation has been tested successfully |
| 0:01:45.078935 | LOG | Check device continues normal operation process starts |
| 0:01:49.971623 | LOG | PUSH\_ACK: 02 16c0 01 |
| 0:01:49.973735 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16c0, Identifier = 00, JSON = {'rxpk': [{'tmst': 2253707791, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -47, 'size': 17, 'data': 'QO++rd6CAwUFB+CqNz5l5Tg='}]} |
| 0:01:49.973735 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0503, FOpts: 0507), FPort: e0, FRMPayload: 044f, MIC: 3e65e538) |
| 0:01:49.973735 | LOG | Server <-------------------- DUT |
| 0:01:49.973735 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7eb, FOpts: ), FPort: e0, FRMPayload: 03010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c045835d) |
| 0:01:49.973735 | LOG | PULL\_RESP: Protocol version = 02, Token = ee0d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2255707791, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 143, 'data': 'YO++rd4A66fg8c2X6QxI2R/thkck6mDnvYpuv85zrMIiwy2YdzkY5nitCLFmlI/oA86Lu83/l39LMxsjK1ps6MbJxcVS62k7QYcO2FLHuKysJlC+qjDmJBfJv1m/MlEWDEmTo/LroY2EMHNmZpNc+5zUt1Ua4nhZ5mkMzG7MFD2WEtazxTzhaUAdzcBFg10='}} |
| 0:01:49.973735 | LOG | Server --------------------> DUT |
| 0:01:49.973735 | LOG | TX\_ACK: 02 ee0d 05 aa555a0000240409 |
| 0:01:53.048982 | LOG | PULL\_DATA: 02 c009 02 aa555a0000240409 |
| 0:01:53.048982 | LOG | PULL\_ACK: 02 c009 04 |
| 0:01:54.804350 | LOG | PUSH\_ACK: 02 16c1 01 |
| 0:01:54.806396 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16c1, Identifier = 00, JSON = {'rxpk': [{'tmst': 2258550319, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -48, 'size': 17, 'data': 'QO++rd6CBAUFB+AzhGSWNcc='}]} |
| 0:01:54.806396 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0504, FOpts: 0507), FPort: e0, FRMPayload: 044f, MIC: 649635c7) |
| 0:01:54.806396 | LOG | Server <-------------------- DUT |
| 0:01:54.806396 | LOG | Normal operation has been tested successfully |
| 0:01:54.806396 | LOG | End Test Step: Oversized downlink for datarate SF11BW500 |
| 0:01:54.814445 | LOG | Partial Verdict: PASS |
| 0:01:54.816492 | LOG | ========================================================= |
| 0:01:54.816492 | LOG | ========================================================= |
| 0:01:54.816492 | LOG | Start Test Step: Oversized downlink for datarate SF10BW500 |
| 0:01:54.824619 | LOG | Send MAC command block process starts |
| 0:01:59.643110 | LOG | PUSH\_ACK: 02 16c2 01 |
| 0:01:59.643110 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16c2, Identifier = 00, JSON = {'rxpk': [{'tmst': 2263392767, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 12.0, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CBQUFB+Bmb6HlkDs='}]} |
| 0:01:59.643110 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0505, FOpts: 0507), FPort: e0, FRMPayload: 044f, MIC: a1e5903b) |
| 0:01:59.643110 | LOG | Server <-------------------- DUT |
| 0:01:59.643110 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7ec, FOpts: ), FPort: 00, FRMPayload: 0325ff0001052a68e28c), MIC: 0d99e2a5) |
| 0:01:59.643110 | LOG | PULL\_RESP: Protocol version = 02, Token = a709, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2264392767, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF11BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4A7KcA6aoqVeObQ2bhCw2Z4qU='}} |
| 0:01:59.643110 | LOG | Server --------------------> DUT |
| 0:01:59.643110 | LOG | TX\_ACK: 02 a709 05 aa555a0000240409 |
| 0:02:03.111440 | LOG | PULL\_DATA: 02 4e53 02 aa555a0000240409 |
| 0:02:03.111440 | LOG | PULL\_ACK: 02 4e53 04 |
| 0:02:04.414608 | LOG | PUSH\_ACK: 02 16c3 01 |
| 0:02:04.416657 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16c3, Identifier = 00, JSON = {'rxpk': [{'tmst': 2268173663, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -51, 'size': 19, 'data': 'QO++rd6EBgUDBwUH4BUFUqRmfA=='}]} |
| 0:02:04.416657 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 0506, FOpts: 03070507), FPort: e0, FRMPayload: 0450, MIC: 52a4667c) |
| 0:02:04.416657 | LOG | Server <-------------------- DUT |
| 0:02:04.416657 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:02:04.416657 | LOG | Command Answer: 03070507 |
| 0:02:04.454702 | LOG | MAC command communication completed |
| 0:02:04.454702 | LOG | Check device continues normal operation process starts |
| 0:02:09.275218 | LOG | PUSH\_ACK: 02 16c4 01 |
| 0:02:09.275218 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16c4, Identifier = 00, JSON = {'rxpk': [{'tmst': 2273005567, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CBwUFB+AQxOhaUQw='}]} |
| 0:02:09.275218 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0507, FOpts: 0507), FPort: e0, FRMPayload: 0450, MIC: e85a510c) |
| 0:02:09.275218 | LOG | Server <-------------------- DUT |
| 0:02:09.275218 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7ed, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d4cde061) |
| 0:02:09.275218 | LOG | PULL\_RESP: Protocol version = 02, Token = 6e41, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2274005567, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'oO++rd4A7afgi7nM4IiBbRJXO6GqrigFQoffuSdiqGDgTiN/aKa+m2iatlAoyeYvAwATgDdxa26V6/AK0lZQGYPczHopMVL7KSifvFV5aW5FuCmbdub2gnPS7/fl1QcvVbziMJVa8qCleHpuwY0osUP1rsWdhZZZNe4vfkqXJ53pVofzkaPkzYX8qfKHt7l1Yhug8gLCM5ZPxB3QtdkdT8MyTqDC9e03vA0F/kH1jVtJPLHmqHXsDJxOlrUzxUM2ziSdxNWDvr+SI2P/NGaWOSyK07OLNinoGvhcaeTiU80goBDadGGzb13uiORO1KVx0UICaTXS5w/jSusE1M3gYQ=='}} |
| 0:02:09.275218 | LOG | Server --------------------> DUT |
| 0:02:09.275218 | LOG | TX\_ACK: 02 6e41 05 aa555a0000240409 |
| 0:02:13.142665 | LOG | PULL\_DATA: 02 3763 02 aa555a0000240409 |
| 0:02:13.142665 | LOG | PULL\_ACK: 02 3763 04 |
| 0:02:14.136354 | LOG | PUSH\_ACK: 02 16c5 01 |
| 0:02:14.138444 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16c5, Identifier = 00, JSON = {'rxpk': [{'tmst': 2277888583, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CCAUFB+BHDAIdqT0='}]} |
| 0:02:14.138444 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0508, FOpts: 0507), FPort: e0, FRMPayload: 0450, MIC: 021da93d) |
| 0:02:14.138444 | LOG | Server <-------------------- DUT |
| 0:02:14.138444 | LOG | Normal operation has been tested successfully |
| 0:02:14.138444 | LOG | Check device continues normal operation process starts |
| 0:02:18.957403 | LOG | PUSH\_ACK: 02 16c7 01 |
| 0:02:18.959466 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16c7, Identifier = 00, JSON = {'rxpk': [{'tmst': 2282731127, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CCQUFB+C1vwYmkls='}]} |
| 0:02:18.959466 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0509, FOpts: 0507), FPort: e0, FRMPayload: 0450, MIC: 0626925b) |
| 0:02:18.959466 | LOG | Server <-------------------- DUT |
| 0:02:18.959466 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7ee, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 01c26b54) |
| 0:02:18.959466 | LOG | PULL\_RESP: Protocol version = 02, Token = ca29, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2283731127, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4A7qfgrFkc8LuddjYNarUz73L+pVbCy71T0hfa1nomLQELYK3K8dTrm7ODXWQd02GlPmnW4W4gEoGYP4byOnf4OXAZDc6dKYsFyPgDrBjeV2WUH5VFNl+uG7veQbu0sWbWT6W7f9e6FDjDhMl1StuaS0Zq+axFnWtY7rctaN/U+LeuMjXZv6ICkfSvHm6XZzpeAclYK1Tjd5+G5gcnGl3UiAVK/05WIYLUVW9S6Z0kIbBSmB/+zm6COJTdaoQ/qw62feBkfSU3klCCyfS7YOn7NJzH98oDK+xAlc9HO/HoS315TGS33wjyMHDIwFTTH+jbNEcw9VNAAcJrVA=='}} |
| 0:02:18.959466 | LOG | Server --------------------> DUT |
| 0:02:18.959466 | LOG | TX\_ACK: 02 ca29 05 aa555a0000240409 |
| 0:02:23.305256 | LOG | PULL\_DATA: 02 478d 02 aa555a0000240409 |
| 0:02:23.305256 | LOG | PULL\_ACK: 02 478d 04 |
| 0:02:23.863840 | LOG | PUSH\_ACK: 02 16c8 01 |
| 0:02:23.863840 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16c8, Identifier = 00, JSON = {'rxpk': [{'tmst': 2287573647, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -47, 'size': 17, 'data': 'QO++rd6CCgUFB+DJrFPXdTU='}]} |
| 0:02:23.863840 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 050a, FOpts: 0507), FPort: e0, FRMPayload: 0450, MIC: 53d77535) |
| 0:02:23.863840 | LOG | Server <-------------------- DUT |
| 0:02:23.863840 | LOG | Normal operation has been tested successfully |
| 0:02:23.863840 | LOG | Check device continues normal operation process starts |
| 0:02:28.704209 | LOG | PUSH\_ACK: 02 16c9 01 |
| 0:02:28.704209 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16c9, Identifier = 00, JSON = {'rxpk': [{'tmst': 2292416143, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -51, 'size': 17, 'data': 'QO++rd6CCwUFB+DOdejs1Zk='}]} |
| 0:02:28.704209 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 050b, FOpts: 0507), FPort: e0, FRMPayload: 0450, MIC: e8ecd599) |
| 0:02:28.704209 | LOG | Server <-------------------- DUT |
| 0:02:28.704209 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7ef, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: ea2be2da) |
| 0:02:28.704209 | LOG | PULL\_RESP: Protocol version = 02, Token = 5f41, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2294416143, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'oO++rd4A76fgtt4f3qdJxvGyx4/wESnmdSt8cxnt7HlgWsz9wvz5mPrt/oVk6T3MxKsolINOW2uE+YeMvGakSBigdwHELqB4/S+AgFJDAZ1PHBT/0VUu4zXDelI21sHDJ0ySct1kAnh2KxPRHKohE1ZhuwAxvhN0qo0bd6ClWCBYJ/67BtU4Stbdd7tO40FIE2mmZ/BhVG8S0DbEqOoqMTi7/4JXRFUiKfgZOwETjOFZ9pZDHsyfmhvN+Mv0wAcTqFzVUPKNnMtj7rsIT+ni/XIRfyS532uCwVf5qBEiQCw2aPC9kY+cyMm/f0DXNU52xkhfcyDbMzXFM13s6ivi2g=='}} |
| 0:02:28.704209 | LOG | Server --------------------> DUT |
| 0:02:28.704209 | LOG | TX\_ACK: 02 5f41 05 aa555a0000240409 |
| 0:02:33.388057 | LOG | PULL\_DATA: 02 58d2 02 aa555a0000240409 |
| 0:02:33.388057 | LOG | PULL\_ACK: 02 58d2 04 |
| 0:02:33.557170 | LOG | PUSH\_ACK: 02 16ca 01 |
| 0:02:33.557170 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16ca, Identifier = 00, JSON = {'rxpk': [{'tmst': 2297258767, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CDAUFB+CLdoCj9Eg='}]} |
| 0:02:33.557170 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 050c, FOpts: 0507), FPort: e0, FRMPayload: 0450, MIC: 80a3f448) |
| 0:02:33.557170 | LOG | Server <-------------------- DUT |
| 0:02:33.557170 | LOG | Normal operation has been tested successfully |
| 0:02:33.557170 | LOG | Check device continues normal operation process starts |
| 0:02:38.348888 | LOG | PUSH\_ACK: 02 16cb 01 |
| 0:02:38.348888 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16cb, Identifier = 00, JSON = {'rxpk': [{'tmst': 2302101311, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -48, 'size': 17, 'data': 'QO++rd6CDQUFB+CbSWtw7eo='}]} |
| 0:02:38.348888 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 050d, FOpts: 0507), FPort: e0, FRMPayload: 0450, MIC: 6b70edea) |
| 0:02:38.348888 | LOG | Server <-------------------- DUT |
| 0:02:38.348888 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7f0, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5da8c4d7) |
| 0:02:38.348888 | LOG | PULL\_RESP: Protocol version = 02, Token = 023f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2304101311, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4A8KfgddDRXEnviP/PYm+1wpPLpqV8AmtROLbI6nwkUYxiKPI7O4sOjdeXKLQXbQAGLSFsGMXDq/MIgh2fC3X4mtdMvFjsdctXW/XxR/KIg2BHM9CvMKepjNKxxKsDtEWELjQH8I9T9azM11P409BiyvCYzzoXQZSVL92ZlimQdpzBnl3xEHvsRtIvimx3fEsvn4JhmtD4j1ditMd4ZbE1V4+djyoIUYgRgpXRs9we43eJJ8MdJYx2WevXlW/y4eV5l/Z3lSbC42e4Th9nbGwxUy6Cwem71BbUlTi8q1PRUSlrGn4hKv2kKH61Ur2l5u3+OVxLpjcsXajE1w=='}} |
| 0:02:38.348888 | LOG | Server --------------------> DUT |
| 0:02:38.348888 | LOG | TX\_ACK: 02 023f 05 aa555a0000240409 |
| 0:02:43.218844 | LOG | PUSH\_ACK: 02 16cc 01 |
| 0:02:43.218844 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16cc, Identifier = 00, JSON = {'rxpk': [{'tmst': 2306943847, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CDgUFB+AAXkmHwzQ='}]} |
| 0:02:43.218844 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 050e, FOpts: 0507), FPort: e0, FRMPayload: 0450, MIC: 4987c334) |
| 0:02:43.218844 | LOG | Server <-------------------- DUT |
| 0:02:43.218844 | LOG | Normal operation has been tested successfully |
| 0:02:43.218844 | LOG | End Test Step: Oversized downlink for datarate SF10BW500 |
| 0:02:43.228808 | LOG | Partial Verdict: PASS |
| 0:02:43.228808 | LOG | ========================================================= |
| 0:02:43.228808 | LOG | ========================================================= |
| 0:02:43.228808 | LOG | Start Test Step: Oversized downlink for datarate SF9BW500 |
| 0:02:43.238843 | LOG | Send MAC command block process starts |
| 0:02:43.527454 | LOG | PULL\_DATA: 02 c5f5 02 aa555a0000240409 |
| 0:02:43.527454 | LOG | PULL\_ACK: 02 c5f5 04 |
| 0:02:48.073400 | LOG | PUSH\_ACK: 02 16ce 01 |
| 0:02:48.075413 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16ce, Identifier = 00, JSON = {'rxpk': [{'tmst': 2311786623, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -52, 'size': 17, 'data': 'QO++rd6CDwUFB+Asd6LtMvo='}]} |
| 0:02:48.075413 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 050f, FOpts: 0507), FPort: e0, FRMPayload: 0450, MIC: a2ed32fa) |
| 0:02:48.075413 | LOG | Server <-------------------- DUT |
| 0:02:48.075413 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7f1, FOpts: ), FPort: 00, FRMPayload: 0335ff0001052b68e28c), MIC: a58be3c2) |
| 0:02:48.075413 | LOG | PULL\_RESP: Protocol version = 02, Token = 5837, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2312786623, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4A8acAV3DyEIdIDtOscaWL48I='}} |
| 0:02:48.075413 | LOG | Server --------------------> DUT |
| 0:02:48.075413 | LOG | TX\_ACK: 02 5837 05 aa555a0000240409 |
| 0:02:52.892260 | LOG | PUSH\_ACK: 02 16cf 01 |
| 0:02:52.892260 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16cf, Identifier = 00, JSON = {'rxpk': [{'tmst': 2316628727, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -47, 'size': 19, 'data': 'QO++rd6EEAUDBwUH4KFKCYrVhQ=='}]} |
| 0:02:52.892260 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 0510, FOpts: 03070507), FPort: e0, FRMPayload: 0451, MIC: 098ad585) |
| 0:02:52.892260 | LOG | Server <-------------------- DUT |
| 0:02:52.892260 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:02:52.892260 | LOG | Command Answer: 03070507 |
| 0:02:52.932225 | LOG | MAC command communication completed |
| 0:02:52.942227 | LOG | Check device continues normal operation process starts |
| 0:02:53.582270 | LOG | PULL\_DATA: 02 b827 02 aa555a0000240409 |
| 0:02:53.582270 | LOG | PULL\_ACK: 02 b827 04 |
| 0:02:57.684289 | LOG | PUSH\_ACK: 02 16d0 01 |
| 0:02:57.686358 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16d0, Identifier = 00, JSON = {'rxpk': [{'tmst': 2321471063, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CEQUFB+A/b2IIYpI='}]} |
| 0:02:57.686358 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0511, FOpts: 0507), FPort: e0, FRMPayload: 0451, MIC: 62086292) |
| 0:02:57.686358 | LOG | Server <-------------------- DUT |
| 0:02:57.686358 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7f2, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 191778a0) |
| 0:02:57.686358 | LOG | PULL\_RESP: Protocol version = 02, Token = 92bd, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2322471063, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'oO++rd4A8qfgrcmHe1JI9zuLWhO+XY8vKRtQzAM6KR3LMQbm3DTz4QsKLV1TJPfa9/Mc29/CpIEi8YFRm3pP9uPzxMufyDBsXYDaIbgeGCDTEP9aF2h4z5JlC1zHLbvwxKI6CMcF09JVVojB6DRBqt8b1agKU/akLB0KdTB9bqq5FLTfsgqX25NUvbfnlAPYXWdPT8XGVtkilkJvQzXlBKSIBVsH4yZprGZPnH4rqHuVGtWcao+0RCNI7Kui+S1KifIoZuhjhR6yQz3R/Lxn29o+quuxnaa4dJDZSk2zjToqnnNVKepWqiL5M3cZ1g8B3ua2dz5IXOSHCsWVGRd4oA=='}} |
| 0:02:57.686358 | LOG | Server --------------------> DUT |
| 0:02:57.686358 | LOG | TX\_ACK: 02 92bd 05 aa555a0000240409 |
| 0:03:02.573806 | LOG | PUSH\_ACK: 02 16d1 01 |
| 0:03:02.573806 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16d1, Identifier = 00, JSON = {'rxpk': [{'tmst': 2326313638, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CEgUFB+AP+sS6VE0='}]} |
| 0:03:02.573806 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0512, FOpts: 0507), FPort: e0, FRMPayload: 0451, MIC: c4ba544d) |
| 0:03:02.573806 | LOG | Server <-------------------- DUT |
| 0:03:02.573806 | LOG | Normal operation has been tested successfully |
| 0:03:02.573806 | LOG | Check device continues normal operation process starts |
| 0:03:03.650657 | LOG | PULL\_DATA: 02 a014 02 aa555a0000240409 |
| 0:03:03.650657 | LOG | PULL\_ACK: 02 a014 04 |
| 0:03:07.404976 | LOG | PUSH\_ACK: 02 16d2 01 |
| 0:03:07.407019 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16d2, Identifier = 00, JSON = {'rxpk': [{'tmst': 2331156430, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CEwUFB+Ab0eiQj2I='}]} |
| 0:03:07.407019 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0513, FOpts: 0507), FPort: e0, FRMPayload: 0451, MIC: e8908f62) |
| 0:03:07.407019 | LOG | Server <-------------------- DUT |
| 0:03:07.407019 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7f3, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: db897218) |
| 0:03:07.407019 | LOG | PULL\_RESP: Protocol version = 02, Token = 7fe3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2332156430, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4A86fgVj99HYTX2HPDJXs5xiaV7sAOXzsW6IITxKI3sXih+vEUWXxg697VSqctc35wNy2ZVipp443tNoJ77CdHSsM9EGIw3lD+Ms5oDARuH5sq92FizTwnacAhQdTvIKfpkSnTpw1+Md2CoYkWh+hkZ5CxXCaMjePi8XV0O8clf6HShRB/bw0FXQjVI3rnxqUx1sP3Zl4b4lMMDLHqqIscIyQxNjc/uxBmw/zZXvg/WL0h5b0FnqT4LJ+iMxDBFnznGiY4+eWJmTHmNGQMhhMH0wAvs1UHUC5LN7Un5hdo+HoRXadQfF246v7a3yD6NIV5wvBAsy4n24lyGA=='}} |
| 0:03:07.407019 | LOG | Server --------------------> DUT |
| 0:03:07.407019 | LOG | TX\_ACK: 02 7fe3 05 aa555a0000240409 |
| 0:03:12.275067 | LOG | PUSH\_ACK: 02 16d3 01 |
| 0:03:12.275067 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16d3, Identifier = 00, JSON = {'rxpk': [{'tmst': 2335999055, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -48, 'size': 17, 'data': 'QO++rd6CFAUFB+AKRtYPz8s='}]} |
| 0:03:12.275067 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0514, FOpts: 0507), FPort: e0, FRMPayload: 0451, MIC: d60fcfcb) |
| 0:03:12.275067 | LOG | Server <-------------------- DUT |
| 0:03:12.275067 | LOG | Normal operation has been tested successfully |
| 0:03:12.275067 | LOG | Check device continues normal operation process starts |
| 0:03:13.765075 | LOG | PULL\_DATA: 02 8c59 02 aa555a0000240409 |
| 0:03:13.765075 | LOG | PULL\_ACK: 02 8c59 04 |
| 0:03:17.068336 | LOG | PUSH\_ACK: 02 16d5 01 |
| 0:03:17.070407 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16d5, Identifier = 00, JSON = {'rxpk': [{'tmst': 2340841606, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CFQUFB+BHW3hA+Ts='}]} |
| 0:03:17.070407 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0515, FOpts: 0507), FPort: e0, FRMPayload: 0451, MIC: 7840f93b) |
| 0:03:17.070407 | LOG | Server <-------------------- DUT |
| 0:03:17.070407 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7f4, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: edff3fcd) |
| 0:03:17.070407 | LOG | PULL\_RESP: Protocol version = 02, Token = 4597, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2342841606, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'oO++rd4A9KfgxZm2DLDeg+GHnO06TgmYuevwmn7xthiIV8Tlr0FMs1UK1UeEBOF1FrKhse4t1pk4kZxU0RioeqQaPpUucUSVRCM8qwRn7Rn5gsh9qCiGIwfDvxLJfElHd/+hVVp62yURpGpYGUy59uzuRQNi5iT4bbnln8UPJ/Ya7LaRXIu+hmWt5aDPj3Fg/Mt8EMPsCBA845R2Do8f9L9faHIbaM5o7g8hAi+CKKWMFKve6ZAGFjXEEBgtFhLa3HQpFQYvaR2gr4POxr6rmJO4KcbkWiSxVgQ5rwYBWgboOBliYLydc65L3RncOGj+Fl59XuBKjoMGeba97f8/zQ=='}} |
| 0:03:17.070407 | LOG | Server --------------------> DUT |
| 0:03:17.070407 | LOG | TX\_ACK: 02 4597 05 aa555a0000240409 |
| 0:03:21.943118 | LOG | PUSH\_ACK: 02 16d6 01 |
| 0:03:21.943118 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16d6, Identifier = 00, JSON = {'rxpk': [{'tmst': 2345684183, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -51, 'size': 17, 'data': 'QO++rd6CFgUFB+AA9t8qYuk='}]} |
| 0:03:21.943118 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0516, FOpts: 0507), FPort: e0, FRMPayload: 0451, MIC: df2a62e9) |
| 0:03:21.943118 | LOG | Server <-------------------- DUT |
| 0:03:21.943118 | LOG | Normal operation has been tested successfully |
| 0:03:21.943118 | LOG | Check device continues normal operation process starts |
| 0:03:23.813138 | LOG | PULL\_DATA: 02 48a9 02 aa555a0000240409 |
| 0:03:23.813138 | LOG | PULL\_ACK: 02 48a9 04 |
| 0:03:26.773466 | LOG | PUSH\_ACK: 02 16d7 01 |
| 0:03:26.775546 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16d7, Identifier = 00, JSON = {'rxpk': [{'tmst': 2350526750, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CFwUFB+ATxiH8SrU='}]} |
| 0:03:26.775546 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0517, FOpts: 0507), FPort: e0, FRMPayload: 0451, MIC: 21fc4ab5) |
| 0:03:26.775546 | LOG | Server <-------------------- DUT |
| 0:03:26.775546 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7f5, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 628ecff0) |
| 0:03:26.775546 | LOG | PULL\_RESP: Protocol version = 02, Token = 0bf1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2352526750, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4A9afgvQ1eFBWqahy/xfwEoZmAk4oJQJZhEa7Z9Fh2/1IbZo/ePtMu4CScc1saS2crDVcobo6utp+hxqJJfCvIkw6ApTRYFKpOYwWVRb2C420QmSM/zu7PHLY4MjYbnvNRegqwwmHXphcjUTmBufX7P9O4vmtl0XWSv/4L3lB4j2dd41LAtj6kWjL867IK9UN3S6BHPORBUBIPRqhNEkOrB6NaASeGlSEYEazyC652Ng4KU1x6lpHazDdvAAGTXhrcwPnpVBAW4IbEOto4Vy91YlHCwzsceo4QqXbXfsAPrF9ErE4l/5uF9Jh1BS20lFYRKFtjYJe5Yo7P8A=='}} |
| 0:03:26.775546 | LOG | Server --------------------> DUT |
| 0:03:26.775546 | LOG | TX\_ACK: 02 0bf1 05 aa555a0000240409 |
| 0:03:31.633533 | LOG | PUSH\_ACK: 02 16d8 01 |
| 0:03:31.635548 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16d8, Identifier = 00, JSON = {'rxpk': [{'tmst': 2355409863, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.8, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CGAUFB+BBRCQFQ3w='}]} |
| 0:03:31.635548 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0518, FOpts: 0507), FPort: e0, FRMPayload: 0451, MIC: 2405437c) |
| 0:03:31.635548 | LOG | Server <-------------------- DUT |
| 0:03:31.635548 | LOG | Normal operation has been tested successfully |
| 0:03:31.635548 | LOG | End Test Step: Oversized downlink for datarate SF9BW500 |
| 0:03:31.643589 | LOG | Partial Verdict: PASS |
| 0:03:31.643589 | LOG | ========================================================= |
| 0:03:31.643589 | LOG | ========================================================= |
| 0:03:31.643589 | LOG | Start Test Step: Oversized downlink for datarate SF8BW500 |
| 0:03:31.653560 | LOG | Send MAC command block process starts |
| 0:03:33.973628 | LOG | PULL\_DATA: 02 6931 02 aa555a0000240409 |
| 0:03:33.973628 | LOG | PULL\_ACK: 02 6931 04 |
| 0:03:36.465203 | LOG | PUSH\_ACK: 02 16d9 01 |
| 0:03:36.467250 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16d9, Identifier = 00, JSON = {'rxpk': [{'tmst': 2360252479, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CGQUFB+BEIqJut+s='}]} |
| 0:03:36.467250 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0519, FOpts: 0507), FPort: e0, FRMPayload: 0451, MIC: a26eb7eb) |
| 0:03:36.467250 | LOG | Server <-------------------- DUT |
| 0:03:36.467250 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7f6, FOpts: ), FPort: 00, FRMPayload: 0335ff0001051c68e28c), MIC: 2c2e1948) |
| 0:03:36.467250 | LOG | PULL\_RESP: Protocol version = 02, Token = 01f1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2361252479, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4A9qcAX2Le7DGIPWxrECwuGUg='}} |
| 0:03:36.467250 | LOG | Server --------------------> DUT |
| 0:03:36.467250 | LOG | TX\_ACK: 02 01f1 05 aa555a0000240409 |
| 0:03:41.373302 | LOG | PUSH\_ACK: 02 16da 01 |
| 0:03:41.375358 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16da, Identifier = 00, JSON = {'rxpk': [{'tmst': 2365095390, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -49, 'size': 19, 'data': 'QO++rd6EGgUDBwUH4CjTQxUerw=='}]} |
| 0:03:41.375358 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 051a, FOpts: 03070507), FPort: e0, FRMPayload: 0452, MIC: 43151eaf) |
| 0:03:41.375358 | LOG | Server <-------------------- DUT |
| 0:03:41.375358 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:03:41.375358 | LOG | Command Answer: 03070507 |
| 0:03:41.433492 | LOG | MAC command communication completed |
| 0:03:41.433492 | LOG | Check device continues normal operation process starts |
| 0:03:44.011739 | LOG | PULL\_DATA: 02 acf8 02 aa555a0000240409 |
| 0:03:44.011739 | LOG | PULL\_ACK: 02 acf8 04 |
| 0:03:46.187142 | LOG | PUSH\_ACK: 02 16db 01 |
| 0:03:46.189171 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16db, Identifier = 00, JSON = {'rxpk': [{'tmst': 2369937886, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CGwUFB+AxAUKKG9w='}]} |
| 0:03:46.189171 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 051b, FOpts: 0507), FPort: e0, FRMPayload: 0452, MIC: 428a1bdc) |
| 0:03:46.189171 | LOG | Server <-------------------- DUT |
| 0:03:46.189171 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7f7, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1a361764) |
| 0:03:46.189171 | LOG | PULL\_RESP: Protocol version = 02, Token = 7929, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2370937886, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'oO++rd4A96fg2jRasNEMqe5CDbILWLZzd6OHNQNMd8ca084XhrXY/kgdb3HaBrTm4B43K66fli5WRDGy0n64eZb1zTq37pGGFaBNDUONbJ1Rp+gc5PG1WFBhkcNazUegUCCSydOZjGgvJJMNSzOFonXBbuIqaEgfAxPWT0UMexCvfGQ5FKjYrtm3Ws+SCpBtdwZV3V6bdNZaumg7j/47asfTV3G44/yl2q9hmqauf8cjF+agl/dkyLh8Fn4Ut/a19tukKsuO6DoSShODwT0AGnB2oJMgCSd40fQBiFITiAKqyRh1GlzX9Y1edZ9ugaPn14qc6F7SsDgFCSXAGjYXZA=='}} |
| 0:03:46.189171 | LOG | Server --------------------> DUT |
| 0:03:46.189171 | LOG | TX\_ACK: 02 7929 05 aa555a0000240409 |
| 0:03:51.007333 | LOG | PUSH\_ACK: 02 16dd 01 |
| 0:03:51.009383 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16dd, Identifier = 00, JSON = {'rxpk': [{'tmst': 2374780510, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CHAUFB+DumDjQGLI='}]} |
| 0:03:51.009383 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 051c, FOpts: 0507), FPort: e0, FRMPayload: 0452, MIC: 38d018b2) |
| 0:03:51.009383 | LOG | Server <-------------------- DUT |
| 0:03:51.009383 | LOG | Normal operation has been tested successfully |
| 0:03:51.009383 | LOG | Check device continues normal operation process starts |
| 0:03:54.165841 | LOG | PULL\_DATA: 02 4f46 02 aa555a0000240409 |
| 0:03:54.165841 | LOG | PULL\_ACK: 02 4f46 04 |
| 0:03:55.913524 | LOG | PUSH\_ACK: 02 16de 01 |
| 0:03:55.913524 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16de, Identifier = 00, JSON = {'rxpk': [{'tmst': 2379623126, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CHQUFB+AT34/3aTw='}]} |
| 0:03:55.913524 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 051d, FOpts: 0507), FPort: e0, FRMPayload: 0452, MIC: 8ff7693c) |
| 0:03:55.913524 | LOG | Server <-------------------- DUT |
| 0:03:55.913524 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7f8, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 55efc26b) |
| 0:03:55.913524 | LOG | PULL\_RESP: Protocol version = 02, Token = 50f1, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2380623126, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4A+KfgyZIUaIxCg1VhjKIxNxJ1XzNRPABeW1g8PsBZQNr3Es8jxIweWwKiPUS4rK58RZFeZ7j8XorqyKWcTLdri7aGmFU7tOZTOVa0hN5xHESITOiUSABU3eZzDwqd7bYK+Mxgd52JPk1XcBZsFSTyyPpvTpXvzk4e6y7eeOnk8+eJsuue64YGlZbnl6MzCHmmR9evz8bl+T8cCkKzqC1U0PZriQVIlGOdlhtBFdGiS0t7K7xAM3iwg/Gj+coNgIpdsBV+LRaB6HkCrtWDIJ6qhS3Tc4PJcL6+zpvcblV5I3Fa/HuyZ73XnqVjzOjjPJYPfYhZucQCVe/Caw=='}} |
| 0:03:55.913524 | LOG | Server --------------------> DUT |
| 0:03:55.913524 | LOG | TX\_ACK: 02 50f1 05 aa555a0000240409 |
| 0:04:00.733952 | LOG | PUSH\_ACK: 02 16df 01 |
| 0:04:00.736002 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16df, Identifier = 00, JSON = {'rxpk': [{'tmst': 2384465694, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CHgUFB+B5SLnGvx0='}]} |
| 0:04:00.736002 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 051e, FOpts: 0507), FPort: e0, FRMPayload: 0452, MIC: b9c6bf1d) |
| 0:04:00.736002 | LOG | Server <-------------------- DUT |
| 0:04:00.736002 | LOG | Normal operation has been tested successfully |
| 0:04:00.736002 | LOG | Check device continues normal operation process starts |
| 0:04:04.354179 | LOG | PULL\_DATA: 02 5a64 02 aa555a0000240409 |
| 0:04:04.354179 | LOG | PULL\_ACK: 02 5a64 04 |
| 0:04:05.545213 | LOG | PUSH\_ACK: 02 16e0 01 |
| 0:04:05.547261 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16e0, Identifier = 00, JSON = {'rxpk': [{'tmst': 2389308359, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -52, 'size': 17, 'data': 'QO++rd6CHwUFB+AMuDHvhus='}]} |
| 0:04:05.547261 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 051f, FOpts: 0507), FPort: e0, FRMPayload: 0452, MIC: 31ef86eb) |
| 0:04:05.547261 | LOG | Server <-------------------- DUT |
| 0:04:05.547261 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7f9, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9ab1a7b3) |
| 0:04:05.547261 | LOG | PULL\_RESP: Protocol version = 02, Token = 9de0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2391308359, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'oO++rd4A+afgw7N4+qh//l301Q0CzrgFN3KfaYEDlri1zhGMcY5wnf7SklKF1CGaeQqKFqvaaTxBprhtdUAnMnCuwM2imDul/if/RZ8IRH+G/wnbSq/otI6UskLeB5ttVuXc2Ftq3oY7OSPG5agC2tk3MwDe03lecBl6173MIBggzNu1YizuH1aUKZKq2ajzMoIQXOxgDS8gzfsaufYAwu1VZJzY0GJkDmo+Om2wBp+NazVsMFhusWByQOGZVPaI5yA88SDXbIqSn9Duz7Oz7WFvPxiJIcaA6R3vWGwpkyL2CManash6BowGO9uLHfWFCsDxi7lZYa5FTu2omrGnsw=='}} |
| 0:04:05.547261 | LOG | Server --------------------> DUT |
| 0:04:05.547261 | LOG | TX\_ACK: 02 9de0 05 aa555a0000240409 |
| 0:04:10.413019 | LOG | PUSH\_ACK: 02 16e1 01 |
| 0:04:10.415034 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16e1, Identifier = 00, JSON = {'rxpk': [{'tmst': 2394191479, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CIAUFB+D1w1gVHew='}]} |
| 0:04:10.415034 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0520, FOpts: 0507), FPort: e0, FRMPayload: 0452, MIC: 58151dec) |
| 0:04:10.415034 | LOG | Server <-------------------- DUT |
| 0:04:10.415034 | LOG | Normal operation has been tested successfully |
| 0:04:10.415034 | LOG | Check device continues normal operation process starts |
| 0:04:14.533427 | LOG | PULL\_DATA: 02 e62c 02 aa555a0000240409 |
| 0:04:14.533427 | LOG | PULL\_ACK: 02 e62c 04 |
| 0:04:15.283587 | LOG | PUSH\_ACK: 02 16e2 01 |
| 0:04:15.283587 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16e2, Identifier = 00, JSON = {'rxpk': [{'tmst': 2399034054, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CIQUFB+DGApOh+Lw='}]} |
| 0:04:15.283587 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0521, FOpts: 0507), FPort: e0, FRMPayload: 0452, MIC: 93a1f8bc) |
| 0:04:15.283587 | LOG | Server <-------------------- DUT |
| 0:04:15.283587 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7fa, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f1a40c04) |
| 0:04:15.283587 | LOG | PULL\_RESP: Protocol version = 02, Token = 027a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2401034054, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4A+qfgq7EGRH0hKJhPgieNKAcjaMlzIEvwEJzDzDqZbOMrmeFdassxIIJtW7wAU0ccUL7tMuoCU7qGYPw3cdK4d7Xpzv1hzuJzrfVVSDo4hy6bZw3p5+UcS9M+WkPRKIEIZIkND3ubwSafwWV11l6YjZF5Ua3yrdIjJg3lFaJjA9mApg7q4dml3g1/Il4aAviyb9Akcexo83wuV2wLRHwaA80w+KeqCMkc3NCUNvmRHXm2uOtR5olcWO9ozkcNNB9XJdlrX0p/0dEIlBM9rSyCHnPbRI//cGSEqhyLsklGR+By61shLXex5lR+XkwpyzmPsSQ/W2Lk8aQMBA=='}} |
| 0:04:15.283587 | LOG | Server --------------------> DUT |
| 0:04:15.283587 | LOG | TX\_ACK: 02 027a 05 aa555a0000240409 |
| 0:04:20.087706 | LOG | PUSH\_ACK: 02 16e4 01 |
| 0:04:20.089720 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16e4, Identifier = 00, JSON = {'rxpk': [{'tmst': 2403876695, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CIgUFB+AFyhTbZ+8='}]} |
| 0:04:20.089720 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0522, FOpts: 0507), FPort: e0, FRMPayload: 0452, MIC: 14db67ef) |
| 0:04:20.089720 | LOG | Server <-------------------- DUT |
| 0:04:20.089720 | LOG | Normal operation has been tested successfully |
| 0:04:20.089720 | LOG | End Test Step: Oversized downlink for datarate SF8BW500 |
| 0:04:20.097772 | LOG | Partial Verdict: PASS |
| 0:04:20.097772 | LOG | ========================================================= |
| 0:04:20.097772 | LOG | ========================================================= |
| 0:04:20.097772 | LOG | Start Test Step: Oversized downlink for datarate SF7BW500 |
| 0:04:20.107732 | LOG | Send MAC command block process starts |
| 0:04:24.700722 | LOG | PULL\_DATA: 02 e740 02 aa555a0000240409 |
| 0:04:24.700722 | LOG | PULL\_ACK: 02 e740 04 |
| 0:04:24.990735 | LOG | PUSH\_ACK: 02 16e5 01 |
| 0:04:24.990735 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16e5, Identifier = 00, JSON = {'rxpk': [{'tmst': 2408719374, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CIwUFB+AMDN5tyjM='}]} |
| 0:04:24.990735 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0523, FOpts: 0507), FPort: e0, FRMPayload: 0452, MIC: de6dca33) |
| 0:04:24.990735 | LOG | Server <-------------------- DUT |
| 0:04:24.990735 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7fb, FOpts: ), FPort: 00, FRMPayload: 0335ff0001050d68e28c), MIC: c17db1fa) |
| 0:04:24.990735 | LOG | PULL\_RESP: Protocol version = 02, Token = 56ca, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2409719374, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4A+6cA1F11LTh8/B8enMF9sfo='}} |
| 0:04:24.990735 | LOG | Server --------------------> DUT |
| 0:04:24.990735 | LOG | TX\_ACK: 02 56ca 05 aa555a0000240409 |
| 0:04:29.774493 | LOG | PUSH\_ACK: 02 16e6 01 |
| 0:04:29.776506 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16e6, Identifier = 00, JSON = {'rxpk': [{'tmst': 2413562518, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -50, 'size': 19, 'data': 'QO++rd6EJAUDBwUH4C8QjSaHyw=='}]} |
| 0:04:29.776506 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 0524, FOpts: 03070507), FPort: e0, FRMPayload: 0453, MIC: 8d2687cb) |
| 0:04:29.776506 | LOG | Server <-------------------- DUT |
| 0:04:29.776506 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:04:29.776506 | LOG | Command Answer: 03070507 |
| 0:04:29.814518 | LOG | MAC command communication completed |
| 0:04:29.814518 | LOG | Check device continues normal operation process starts |
| 0:04:34.674292 | LOG | PUSH\_ACK: 02 16e7 01 |
| 0:04:34.675289 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16e7, Identifier = 00, JSON = {'rxpk': [{'tmst': 2418404838, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CJQUFB+B/pm3k0GI='}]} |
| 0:04:34.675289 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0525, FOpts: 0507), FPort: e0, FRMPayload: 0453, MIC: 6de4d062) |
| 0:04:34.676287 | LOG | Server <-------------------- DUT |
| 0:04:34.677285 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7fc, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1d9aab97) |
| 0:04:34.677285 | LOG | PULL\_RESP: Protocol version = 02, Token = b8a7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2419404838, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'oO++rd4A/Kfg2obKBWrZ8nL5wjkdSohHyyptIjvjEbPMkWBVk/FmtyKIzxrbAvtiXAfHwX1BFdFwHhRyIcoLbGizmAh1+ENTY3fSfReHV13xXHTUKK55cFMHdxXgErL2VucJmDzRjH1UXvqAN8uTcbQGg3INaNnsHF6injwmvSPWo+Cfm3nUGBUZ2c6QgPXkvQfTjJFqNf0SMOBYYd+UsvVxjuxu2AV/lefKtO7Z5XGqSekMGxntE6OW2ZJQr/jCPyFyOhxOHnQp+nCyCST/HdZTf8KOQ7eTlbTIuf3e5dcSbhVkvKgI3tG1lJGromzOxd3GwDMDcO0BuAcbHZqrlw=='}} |
| 0:04:34.678284 | LOG | Server --------------------> DUT |
| 0:04:34.679278 | LOG | TX\_ACK: 02 b8a7 05 aa555a0000240409 |
| 0:04:34.897987 | LOG | PULL\_DATA: 02 07e9 02 aa555a0000240409 |
| 0:04:34.897987 | LOG | PULL\_ACK: 02 07e9 04 |
| 0:04:39.501760 | LOG | PUSH\_ACK: 02 16e8 01 |
| 0:04:39.501760 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16e8, Identifier = 00, JSON = {'rxpk': [{'tmst': 2423247487, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -51, 'size': 17, 'data': 'QO++rd6CJgUFB+D9fgRcG/k='}]} |
| 0:04:39.501760 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0526, FOpts: 0507), FPort: e0, FRMPayload: 0453, MIC: 045c1bf9) |
| 0:04:39.501760 | LOG | Server <-------------------- DUT |
| 0:04:39.501760 | LOG | Normal operation has been tested successfully |
| 0:04:39.501760 | LOG | Check device continues normal operation process starts |
| 0:04:44.318764 | LOG | PUSH\_ACK: 02 16e9 01 |
| 0:04:44.320853 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16e9, Identifier = 00, JSON = {'rxpk': [{'tmst': 2428090151, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -48, 'size': 17, 'data': 'QO++rd6CJwUFB+AaH+41POQ='}]} |
| 0:04:44.320853 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0527, FOpts: 0507), FPort: e0, FRMPayload: 0453, MIC: ee353ce4) |
| 0:04:44.320853 | LOG | Server <-------------------- DUT |
| 0:04:44.320853 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7fd, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 3689c5ec) |
| 0:04:44.320853 | LOG | PULL\_RESP: Protocol version = 02, Token = c58b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2429090151, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4A/afgbI0vXZGBfAKNadIQ6ZuIYrvu7YH/rr/QBM1Rs3+oOVbSp53rZC1WGGs7XGlfyByiEJHm+FqojSzd14rZg2CC3kUq0wWFDNIzpb0J4SL14kgkVuTTwAK7Lm5b4s95io+0l1+riVEeH8tfQBML6WQFXzCZmD2ZhpaaNnkvNmn9S8Kq8iJRpGNfMrpDXked5yyq8JR1v3axggmKfMYUtYZRhWQRwQpWcVlhTdn8gAL8a75Srwo63iNIrtUFEphHBZ7/nTTkTF44o0bl6j/r46frkbi02xXEnl6eu1JbLEBhvdjTsWGlUIoMvWV0K4qC/hAxWJb5NonF7A=='}} |
| 0:04:44.320853 | LOG | Server --------------------> DUT |
| 0:04:44.320853 | LOG | TX\_ACK: 02 c58b 05 aa555a0000240409 |
| 0:04:44.959014 | LOG | PULL\_DATA: 02 91e3 02 aa555a0000240409 |
| 0:04:44.959014 | LOG | PULL\_ACK: 02 91e3 04 |
| 0:04:49.242324 | LOG | PUSH\_ACK: 02 16eb 01 |
| 0:04:49.244425 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16eb, Identifier = 00, JSON = {'rxpk': [{'tmst': 2432973231, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CKAUFB+C/tKCVqK0='}]} |
| 0:04:49.244425 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0528, FOpts: 0507), FPort: e0, FRMPayload: 0453, MIC: a095a8ad) |
| 0:04:49.244425 | LOG | Server <-------------------- DUT |
| 0:04:49.244425 | LOG | Normal operation has been tested successfully |
| 0:04:49.244425 | LOG | Check device continues normal operation process starts |
| 0:04:54.107274 | LOG | PUSH\_ACK: 02 16ec 01 |
| 0:04:54.109359 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16ec, Identifier = 00, JSON = {'rxpk': [{'tmst': 2437815902, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 17, 'data': 'QO++rd6CKQUFB+CL3TO4YtY='}]} |
| 0:04:54.109359 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0529, FOpts: 0507), FPort: e0, FRMPayload: 0453, MIC: 33b862d6) |
| 0:04:54.109359 | LOG | Server <-------------------- DUT |
| 0:04:54.109359 | LOG | PHYPayload: (MHDR: a0, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7fe, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a9569665) |
| 0:04:54.109359 | LOG | PULL\_RESP: Protocol version = 02, Token = 4b0a, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2439815902, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'oO++rd4A/qfgGiqZ1qcEpXGoHfbPsYJFzUQOGCO4C+xtr+/zmEHpNAVZUcR9qFrNlKzykV5VNGT0M4KQZrTdcQVWnMz1wSK2giC0GHJ/Azhh0PcDpWwchtTaQfDxbp9elXfhRQBC8EEyi9U4j/M7pb77Oz4Gbb8oDh+yZ5h6Pnk5cD4TcYCxaYaOQ65XmjCXfVtHxCVHg3x/4Y8jaF7LJWXYUrLXhttuwCUHqZuZm0TuviezmuWnehKqusaKGPKvOx3Xz3UoX05jraZEcIvWQM0ACDPxabP1sECJIMIYvUPRUjDHPtt2u2aDGGNwfoxlyrMxsKGT50Pyp//IqVaWZQ=='}} |
| 0:04:54.109359 | LOG | Server --------------------> DUT |
| 0:04:54.109359 | LOG | TX\_ACK: 02 4b0a 05 aa555a0000240409 |
| 0:04:55.156817 | LOG | PULL\_DATA: 02 7ea8 02 aa555a0000240409 |
| 0:04:55.156817 | LOG | PULL\_ACK: 02 7ea8 04 |
| 0:04:58.922035 | LOG | PUSH\_ACK: 02 16ed 01 |
| 0:04:58.924110 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16ed, Identifier = 00, JSON = {'rxpk': [{'tmst': 2442658734, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CKgUFB+C6aB9fqkk='}]} |
| 0:04:58.924110 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 052a, FOpts: 0507), FPort: e0, FRMPayload: 0453, MIC: 1f5faa49) |
| 0:04:58.924110 | LOG | Server <-------------------- DUT |
| 0:04:58.924110 | LOG | Normal operation has been tested successfully |
| 0:04:58.924110 | LOG | Check device continues normal operation process starts |
| 0:05:03.776186 | LOG | PUSH\_ACK: 02 16ee 01 |
| 0:05:03.778239 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16ee, Identifier = 00, JSON = {'rxpk': [{'tmst': 2447501342, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -48, 'size': 17, 'data': 'QO++rd6CKwUFB+DLSx4A0Fs='}]} |
| 0:05:03.778239 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 052b, FOpts: 0507), FPort: e0, FRMPayload: 0453, MIC: 1e00d05b) |
| 0:05:03.778239 | LOG | Server <-------------------- DUT |
| 0:05:03.778239 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a7ff, FOpts: ), FPort: e0, FRMPayload: 030101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 7c5f3569) |
| 0:05:03.778239 | LOG | PULL\_RESP: Protocol version = 02, Token = 52d3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2449501342, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4A/6fgYbJS2G4n1f5BbC2IQk86UqdF1UAIUlf10PWY4q7ASMklNn3WmLeSn0x9c30jtjmcI/Bi0dp9YN6dyZGdH/yKO5C4WMVhqacNihLWpLbfd8XVWg0c00ClCRJwUDQ5L77L7beW6Nc9+6mh5rBmQ83lC63/baQdvJNbcw/bmM+BKIJIE2G7zV0+5nyara0Y16MEbUeQEg7OnJx3WrXWy2qNuuaDbEF6WX+cSSqru6NzB3ruatWi470csF5p5NhlJKvQnAKmctN+4Wkj9g9gPX4b4TQHJMiC2eE7LZqLpOOoepSBpGinTlyu4EUHZ3jVIkHQzDXLfF81aQ=='}} |
| 0:05:03.778239 | LOG | Server --------------------> DUT |
| 0:05:03.778239 | LOG | TX\_ACK: 02 52d3 05 aa555a0000240409 |
| 0:05:05.241510 | LOG | PULL\_DATA: 02 23fa 02 aa555a0000240409 |
| 0:05:05.241510 | LOG | PULL\_ACK: 02 23fa 04 |
| 0:05:08.561465 | LOG | PUSH\_ACK: 02 16ef 01 |
| 0:05:08.561465 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16ef, Identifier = 00, JSON = {'rxpk': [{'tmst': 2452344007, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CLAUFB+A9AAAWCOA='}]} |
| 0:05:08.561465 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 052c, FOpts: 0507), FPort: e0, FRMPayload: 0453, MIC: 001608e0) |
| 0:05:08.561465 | LOG | Server <-------------------- DUT |
| 0:05:08.561465 | LOG | Normal operation has been tested successfully |
| 0:05:08.561465 | LOG | End Test Step: Oversized downlink for datarate SF7BW500 |
| 0:05:08.571427 | LOG | Partial Verdict: PASS |
| 0:05:08.571427 | LOG | ========================================================= |
| 0:05:08.571427 | LOG | ========================================================= |
| 0:05:08.571427 | LOG | Start Test Step: Test mode deactivation |
| 0:05:08.581426 | LOG | Test Mode deactivation process starts |
| 0:05:08.581426 | LOG | End Test Step: Test mode deactivation |
| 0:05:08.591426 | LOG | TEST STEP NOT APPLICABLE |
| 0:05:08.591426 | LOG | ========================================================= |
| 0:05:08.591426 | LOG | End Test Case: TP\_A\_US915\_ED\_MAC\_BV\_016 |
| 0:05:08.591426 | LOG | Final Verdict: PASS |

|  |  |  |
| --- | --- | --- |
| **Test Case** | TP\_A\_US915\_ED\_MAC\_BV\_017 | |
| **Verdict** | PASS | |
| **Date** | 2021-08-03 18:22:46 | |
| **Description** | Maximum allowed payload | |
| **Technology Version** | LCTT v3.3.0\_R1 | GUI v1.9.0 | |
| **Core Version** | LoRaWAN\_L2v1.0.4/RP2\_v1.0.1 | |
| **Test Specs Version** | USv1.5.1/EUv1.6/KRv1.2.1/ASv1.1.1/INv1.1.1/ALL\_Av1.3/ALL\_Cv1.0 | |
| **Project** | HTLRBL32L - US915 | |
| **Project Creation Date** | 2021-07-19 10:56:56 | |
| **Sample** | DevID:HTLRBL32L testboard | AppID:1 | SW:1 | HW:1 | |
| **Parameters** | Conformance | TRUE |

|  |  |  |
| --- | --- | --- |
| **Time Stamp (ms)** | **Event** | **Summary** |
| 0:00:00.009647 | LOG | Start Test Case: TP\_A\_US915\_ED\_MAC\_BV\_017 |
| 0:00:00.029650 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT UPDATES. |
| 0:00:00.029650 | LOG | WARN:CONNECTION WITH LCTT SERVER IS UNAVAILABLE. UNABLE TO CHECK FOR LCTT TECHNOLOGY PACKAGES. |
| 0:00:00.039657 | LOG | ========================================================= |
| 0:00:00.039657 | LOG | Start Test Step: Device activation |
| 0:00:00.089611 | LOG | Activation process has finished successfully |
| 0:00:00.089611 | LOG | Data stored in the DUT after Activation: |
| 0:00:00.089611 | LOG | DevAddr: efbeadde |
| 0:00:00.089611 | LOG | AppEUI: 1111111111111111 |
| 0:00:00.089611 | LOG | NwkSKey: 11111111111111111111111111111111 |
| 0:00:00.089611 | LOG | AppSKey: 11111111111111111111111111111111 |
| 0:00:00.089611 | LOG | End Test Step: Device activation |
| 0:00:00.099611 | LOG | Partial Verdict: PASS |
| 0:00:00.099611 | LOG | ========================================================= |
| 0:00:00.099611 | LOG | ========================================================= |
| 0:00:00.099611 | LOG | Start Test Step: Test mode activation |
| 0:00:00.109610 | LOG | Test Mode activation process starts |
| 0:00:00.109610 | LOG | Test Mode has been enabled successfully |
| 0:00:00.119610 | LOG | Send LinkADRReq process starts |
| 0:00:03.039789 | LOG | PUSH\_DATA received while waiting first PULL\_DATA |
| 0:00:04.990544 | LOG | PULL\_DATA: 02 0fb2 02 aa555a0000240409 |
| 0:00:04.990544 | LOG | PULL\_ACK: 02 0fb2 04 |
| 0:00:04.990544 | LOG | First PULL\_DATA received |
| 0:00:07.900861 | LOG | PUSH\_ACK: 02 16f2 01 |
| 0:00:07.900861 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16f2, Identifier = 00, JSON = {'rxpk': [{'tmst': 2462029263, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CLgUFB+DOx/LSSro='}]} |
| 0:00:07.900861 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 052e, FOpts: 0507), FPort: e0, FRMPayload: 0453, MIC: f2d24aba) |
| 0:00:07.900861 | LOG | Server <-------------------- DUT |
| 0:00:07.900861 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a800, FOpts: ), FPort: 00, FRMPayload: 0345010071), MIC: d586cc3c) |
| 0:00:07.900861 | LOG | PULL\_RESP: Protocol version = 02, Token = ccd9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2463029263, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AAKgAUxgz+IXVhsw8'}} |
| 0:00:07.900861 | LOG | Server --------------------> DUT |
| 0:00:07.900861 | LOG | TX\_ACK: 02 ccd9 05 aa555a0000240409 |
| 0:00:12.725067 | LOG | PUSH\_ACK: 02 16f3 01 |
| 0:00:12.727116 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16f3, Identifier = 00, JSON = {'rxpk': [{'tmst': 2466843865, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.5, 'rssi': -53, 'size': 17, 'data': 'QO++rd6CLwUDB+CUir26ZmU='}]} |
| 0:00:12.727116 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 052f, FOpts: 0307), FPort: e0, FRMPayload: 0454, MIC: bdba6665) |
| 0:00:12.727116 | LOG | Server <-------------------- DUT |
| 0:00:12.727116 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:12.727116 | LOG | Command Answer: 0307 |
| 0:00:12.735160 | LOG | MAC command communication completed |
| 0:00:12.735160 | LOG | Send LinkADRReq process starts |
| 0:00:15.078002 | LOG | PULL\_DATA: 02 1923 02 aa555a0000240409 |
| 0:00:15.078002 | LOG | PULL\_ACK: 02 1923 04 |
| 0:00:17.588272 | LOG | PUSH\_ACK: 02 16f4 01 |
| 0:00:17.588272 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16f4, Identifier = 00, JSON = {'rxpk': [{'tmst': 2471691259, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -54, 'size': 15, 'data': 'QO++rd6AMAXgqBh7JxBY'}]} |
| 0:00:17.588272 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0530, FOpts: ), FPort: e0, FRMPayload: 0454, MIC: 7b271058) |
| 0:00:17.588272 | LOG | Server <-------------------- DUT |
| 0:00:17.588272 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a801, FOpts: ), FPort: 00, FRMPayload: 0325ff0001), MIC: 943ce367) |
| 0:00:17.588272 | LOG | PULL\_RESP: Protocol version = 02, Token = a8f6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2472691259, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 18, 'data': 'YO++rd4AAagAIXTmbfyUPONn'}} |
| 0:00:17.588272 | LOG | Server --------------------> DUT |
| 0:00:17.588272 | LOG | TX\_ACK: 02 a8f6 05 aa555a0000240409 |
| 0:00:22.558245 | LOG | PUSH\_ACK: 02 16f5 01 |
| 0:00:22.558245 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16f5, Identifier = 00, JSON = {'rxpk': [{'tmst': 2476644003, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CMQUDB+CK3BPfzAI='}]} |
| 0:00:22.558245 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0531, FOpts: 0307), FPort: e0, FRMPayload: 0455, MIC: 13dfcc02) |
| 0:00:22.558245 | LOG | Server <-------------------- DUT |
| 0:00:22.558245 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:22.558245 | LOG | Command Answer: 0307 |
| 0:00:22.558245 | LOG | MAC command communication completed |
| 0:00:22.568208 | LOG | End Test Step: Test mode activation |
| 0:00:22.568208 | LOG | Partial Verdict: PASS |
| 0:00:22.568208 | LOG | ========================================================= |
| 0:00:22.568208 | LOG | ========================================================= |
| 0:00:22.568208 | LOG | Start Test Step: Uplink - Max Payload via Echo for datarate SF10BW125 |
| 0:00:22.578240 | LOG | Send MAC command block process starts |
| 0:00:25.182439 | LOG | PULL\_DATA: 02 b799 02 aa555a0000240409 |
| 0:00:25.182439 | LOG | PULL\_ACK: 02 b799 04 |
| 0:00:27.372792 | LOG | PUSH\_ACK: 02 16f6 01 |
| 0:00:27.374839 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16f6, Identifier = 00, JSON = {'rxpk': [{'tmst': 2481486347, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AMgXgdb2OAbrs'}]} |
| 0:00:27.374839 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0532, FOpts: ), FPort: e0, FRMPayload: 0455, MIC: 8e01baec) |
| 0:00:27.374839 | LOG | Server <-------------------- DUT |
| 0:00:27.374839 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a802, FOpts: ), FPort: 00, FRMPayload: 0305ff0001050a68e28c), MIC: 769c4216) |
| 0:00:27.374839 | LOG | PULL\_RESP: Protocol version = 02, Token = d1d0, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2482486347, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4AAqgA7YN1ehMiH1LMinacQhY='}} |
| 0:00:27.374839 | LOG | Server --------------------> DUT |
| 0:00:27.374839 | LOG | TX\_ACK: 02 d1d0 05 aa555a0000240409 |
| 0:00:32.436530 | LOG | PUSH\_ACK: 02 16f7 01 |
| 0:00:32.438618 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16f7, Identifier = 00, JSON = {'rxpk': [{'tmst': 2486567140, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -49, 'size': 19, 'data': 'QO++rd6EMwUDBwUH4A0meNT7Aw=='}]} |
| 0:00:32.438618 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 0533, FOpts: 03070507), FPort: e0, FRMPayload: 0456, MIC: 78d4fb03) |
| 0:00:32.438618 | LOG | Server <-------------------- DUT |
| 0:00:32.438618 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:00:32.438618 | LOG | Command Answer: 03070507 |
| 0:00:32.476721 | LOG | MAC command communication completed |
| 0:00:32.476721 | LOG | Test Echo service process starts |
| 0:00:35.367488 | LOG | PULL\_DATA: 02 05b7 02 aa555a0000240409 |
| 0:00:35.367488 | LOG | PULL\_ACK: 02 05b7 04 |
| 0:00:37.267635 | LOG | PUSH\_ACK: 02 16f9 01 |
| 0:00:37.267635 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16f9, Identifier = 00, JSON = {'rxpk': [{'tmst': 2491409468, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -55, 'size': 17, 'data': 'QO++rd6CNAUFB+A1vM/4uZc='}]} |
| 0:00:37.267635 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0534, FOpts: 0507), FPort: e0, FRMPayload: 0456, MIC: cff8b997) |
| 0:00:37.267635 | LOG | Server <-------------------- DUT |
| 0:00:37.267635 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a803, FOpts: ), FPort: e0, FRMPayload: 0401010101010101010101), MIC: a75ebbe5) |
| 0:00:37.267635 | LOG | PULL\_RESP: Protocol version = 02, Token = 5013, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2492409468, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 24, 'data': 'YO++rd4AA6jgU6t9hb2IYdX41k6nXrvl'}} |
| 0:00:37.267635 | LOG | Server --------------------> DUT |
| 0:00:37.267635 | LOG | TX\_ACK: 02 5013 05 aa555a0000240409 |
| 0:00:42.168854 | LOG | PUSH\_ACK: 02 16fa 01 |
| 0:00:42.168854 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16fa, Identifier = 00, JSON = {'rxpk': [{'tmst': 2496294964, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -49, 'size': 24, 'data': 'QO++rd6ANQXgeer1sHz6HxUMfNVmlAQh'}]} |
| 0:00:42.168854 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0535, FOpts: ), FPort: e0, FRMPayload: 0402020202020202020202, MIC: 66940421) |
| 0:00:42.168854 | LOG | Server <-------------------- DUT |
| 0:00:42.168854 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:00:42.168854 | LOG | Echo service tested successfully |
| 0:00:42.168854 | LOG | Test Echo service process starts |
| 0:00:45.485476 | LOG | PULL\_DATA: 02 33b6 02 aa555a0000240409 |
| 0:00:45.485476 | LOG | PULL\_ACK: 02 33b6 04 |
| 0:00:46.987324 | LOG | PUSH\_ACK: 02 16fb 01 |
| 0:00:46.989400 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16fb, Identifier = 00, JSON = {'rxpk': [{'tmst': 2501094428, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 6.3, 'rssi': -59, 'size': 15, 'data': 'QO++rd6ANgXg8R2KKL8C'}]} |
| 0:00:46.989400 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0536, FOpts: ), FPort: e0, FRMPayload: 0457, MIC: 8a28bf02) |
| 0:00:46.989400 | LOG | Server <-------------------- DUT |
| 0:00:46.989400 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a804, FOpts: ), FPort: e0, FRMPayload: 0401010101010101010101), MIC: b5f49b98) |
| 0:00:46.989400 | LOG | PULL\_RESP: Protocol version = 02, Token = d96f, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2503094428, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 24, 'data': 'YO++rd4ABKjgz46UGx+1BaloLhy19JuY'}} |
| 0:00:46.989400 | LOG | Server --------------------> DUT |
| 0:00:46.989400 | LOG | TX\_ACK: 02 d96f 05 aa555a0000240409 |
| 0:00:51.863559 | LOG | PUSH\_ACK: 02 16fc 01 |
| 0:00:51.863559 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16fc, Identifier = 00, JSON = {'rxpk': [{'tmst': 2505979995, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -48, 'size': 24, 'data': 'QO++rd6ANwXg+Y6HCFkTY9W5JZJlVhbx'}]} |
| 0:00:51.863559 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0537, FOpts: ), FPort: e0, FRMPayload: 0402020202020202020202, MIC: 655616f1) |
| 0:00:51.863559 | LOG | Server <-------------------- DUT |
| 0:00:51.863559 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:00:51.863559 | LOG | Echo service tested successfully |
| 0:00:51.873549 | LOG | End Test Step: Uplink - Max Payload via Echo for datarate SF10BW125 |
| 0:00:51.873549 | LOG | Partial Verdict: PASS |
| 0:00:51.873549 | LOG | ========================================================= |
| 0:00:51.873549 | LOG | ========================================================= |
| 0:00:51.873549 | LOG | Start Test Step: Uplink - Max Payload via Echo for datarate SF9BW125 |
| 0:00:51.883524 | LOG | Send MAC command block process starts |
| 0:00:55.584709 | LOG | PULL\_DATA: 02 31e6 02 aa555a0000240409 |
| 0:00:55.584709 | LOG | PULL\_ACK: 02 31e6 04 |
| 0:00:56.670060 | LOG | PUSH\_ACK: 02 16fd 01 |
| 0:00:56.672110 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16fd, Identifier = 00, JSON = {'rxpk': [{'tmst': 2510779507, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -55, 'size': 15, 'data': 'QO++rd6AOAXgyKATZs4r'}]} |
| 0:00:56.672110 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0538, FOpts: ), FPort: e0, FRMPayload: 0458, MIC: 1366ce2b) |
| 0:00:56.672110 | LOG | Server <-------------------- DUT |
| 0:00:56.672110 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a805, FOpts: ), FPort: 00, FRMPayload: 0315ff0001050a68e28c), MIC: 8bebab94) |
| 0:00:56.672110 | LOG | PULL\_RESP: Protocol version = 02, Token = b6b9, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2511779507, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.7, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4ABagAZOlLBxJeU6Gu5Ivrq5Q='}} |
| 0:00:56.672110 | LOG | Server --------------------> DUT |
| 0:00:56.672110 | LOG | TX\_ACK: 02 b6b9 05 aa555a0000240409 |
| 0:01:01.407839 | LOG | PUSH\_ACK: 02 16fe 01 |
| 0:01:01.409878 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16fe, Identifier = 00, JSON = {'rxpk': [{'tmst': 2515518386, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -49, 'size': 19, 'data': 'QO++rd6EOQUDBwUH4OfbeYlVnw=='}]} |
| 0:01:01.409878 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 0539, FOpts: 03070507), FPort: e0, FRMPayload: 0459, MIC: 7989559f) |
| 0:01:01.409878 | LOG | Server <-------------------- DUT |
| 0:01:01.409878 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:01:01.409878 | LOG | Command Answer: 03070507 |
| 0:01:01.448050 | LOG | MAC command communication completed |
| 0:01:01.448050 | LOG | Test Echo service process starts |
| 0:01:05.706755 | LOG | PULL\_DATA: 02 c7d6 02 aa555a0000240409 |
| 0:01:05.706755 | LOG | PULL\_ACK: 02 c7d6 04 |
| 0:01:06.186017 | LOG | PUSH\_ACK: 02 16ff 01 |
| 0:01:06.188104 | LOG | PUSH\_DATA: Protocol version = 02, Token = 16ff, Identifier = 00, JSON = {'rxpk': [{'tmst': 2520340034, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 12.0, 'rssi': -50, 'size': 17, 'data': 'QO++rd6COgUFB+AH0FB4SHc='}]} |
| 0:01:06.188104 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 053a, FOpts: 0507), FPort: e0, FRMPayload: 0459, MIC: 50784877) |
| 0:01:06.188104 | LOG | Server <-------------------- DUT |
| 0:01:06.188104 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a806, FOpts: ), FPort: e0, FRMPayload: 0401010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: a964c577) |
| 0:01:06.188104 | LOG | PULL\_RESP: Protocol version = 02, Token = 3078, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2521340034, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4ABqjglASeXNwDgk1TJH6BQruboe6eXDiEXvdJkmLWMqNO+X7HRq+SZgytpx5kzJOXCWrSIZ+h7rCpZMV3'}} |
| 0:01:06.188104 | LOG | Server --------------------> DUT |
| 0:01:06.188104 | LOG | TX\_ACK: 02 3078 05 aa555a0000240409 |
| 0:01:11.313256 | LOG | PUSH\_ACK: 02 1701 01 |
| 0:01:11.313256 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1701, Identifier = 00, JSON = {'rxpk': [{'tmst': 2525425197, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -49, 'size': 66, 'data': 'QO++rd6AOwXgDvupGeVgXPR2FgRyvoc3pFOFxx7unC4QRYWgiDt700IYDqHRax6/lNoCDeDrI+BxnCDk9F9UqeWH'}]} |
| 0:01:11.313256 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 053b, FOpts: ), FPort: e0, FRMPayload: 0402020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202, MIC: 54a9e587) |
| 0:01:11.313256 | LOG | Server <-------------------- DUT |
| 0:01:11.313256 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:01:11.313256 | LOG | Echo service tested successfully |
| 0:01:11.313256 | LOG | Test Echo service process starts |
| 0:01:15.824066 | LOG | PULL\_DATA: 02 860a 02 aa555a0000240409 |
| 0:01:15.824066 | LOG | PULL\_ACK: 02 860a 04 |
| 0:01:15.884029 | LOG | PUSH\_ACK: 02 1702 01 |
| 0:01:15.884029 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1702, Identifier = 00, JSON = {'rxpk': [{'tmst': 2530024861, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -50, 'size': 15, 'data': 'QO++rd6APAXgXNdiVeal'}]} |
| 0:01:15.884029 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 053c, FOpts: ), FPort: e0, FRMPayload: 045a, MIC: 6255e6a5) |
| 0:01:15.884029 | LOG | Server <-------------------- DUT |
| 0:01:15.884029 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a807, FOpts: ), FPort: e0, FRMPayload: 0401010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 5df8bb6c) |
| 0:01:15.884029 | LOG | PULL\_RESP: Protocol version = 02, Token = 3673, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2532024861, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 66, 'data': 'YO++rd4AB6jgjrpGs14vQdiM/U1bnO0gw5mlwJD+mAAH2ODP63xZQ8Lm8pEWhNhuFU2S+olw4Ij6vOfI+/Rd+Lts'}} |
| 0:01:15.884029 | LOG | Server --------------------> DUT |
| 0:01:15.884029 | LOG | TX\_ACK: 02 3673 05 aa555a0000240409 |
| 0:01:20.980089 | LOG | PUSH\_ACK: 02 1703 01 |
| 0:01:20.980089 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1703, Identifier = 00, JSON = {'rxpk': [{'tmst': 2535110181, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -48, 'size': 66, 'data': 'QO++rd6APQXgHJ0oGErpCK4aca2Gk46N4oD4IF/YIjO/XeaV1S+eLcf1YDbrzf2Axr5AE2HNKF2dB4xStTZ/cYW5'}]} |
| 0:01:20.980089 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 053d, FOpts: ), FPort: e0, FRMPayload: 0402020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202, MIC: 7f7185b9) |
| 0:01:20.980089 | LOG | Server <-------------------- DUT |
| 0:01:20.980089 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:01:20.980089 | LOG | Echo service tested successfully |
| 0:01:20.990055 | LOG | End Test Step: Uplink - Max Payload via Echo for datarate SF9BW125 |
| 0:01:20.990055 | LOG | Partial Verdict: PASS |
| 0:01:20.990055 | LOG | ========================================================= |
| 0:01:20.990055 | LOG | ========================================================= |
| 0:01:20.990055 | LOG | Start Test Step: Uplink - Max Payload via Echo for datarate SF8BW125 |
| 0:01:21.000076 | LOG | Send MAC command block process starts |
| 0:01:25.581937 | LOG | PUSH\_ACK: 02 1704 01 |
| 0:01:25.584005 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1704, Identifier = 00, JSON = {'rxpk': [{'tmst': 2539709781, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -43, 'size': 15, 'data': 'QO++rd6APgXgqp9hGu8y'}]} |
| 0:01:25.584005 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 053e, FOpts: ), FPort: e0, FRMPayload: 045b, MIC: 611aef32) |
| 0:01:25.584005 | LOG | Server <-------------------- DUT |
| 0:01:25.584005 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a808, FOpts: ), FPort: 00, FRMPayload: 0325ff0001050a68e28c), MIC: bb1215bb) |
| 0:01:25.584005 | LOG | PULL\_RESP: Protocol version = 02, Token = a7ba, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2540709781, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4ACKgAZWNiNcCU672FJbsSFbs='}} |
| 0:01:25.584005 | LOG | Server --------------------> DUT |
| 0:01:25.584005 | LOG | TX\_ACK: 02 a7ba 05 aa555a0000240409 |
| 0:01:26.002103 | LOG | PULL\_DATA: 02 3831 02 aa555a0000240409 |
| 0:01:26.002103 | LOG | PULL\_ACK: 02 3831 04 |
| 0:01:30.362823 | LOG | PUSH\_ACK: 02 1705 01 |
| 0:01:30.362823 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1705, Identifier = 00, JSON = {'rxpk': [{'tmst': 2544491012, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -47, 'size': 19, 'data': 'QO++rd6EPwUDBwUH4GVQGi5gzQ=='}]} |
| 0:01:30.362823 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 053f, FOpts: 03070507), FPort: e0, FRMPayload: 045c, MIC: 1a2e60cd) |
| 0:01:30.362823 | LOG | Server <-------------------- DUT |
| 0:01:30.362823 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:01:30.362823 | LOG | Command Answer: 03070507 |
| 0:01:30.402785 | LOG | MAC command communication completed |
| 0:01:30.402785 | LOG | Test Echo service process starts |
| 0:01:35.220435 | LOG | PUSH\_ACK: 02 1706 01 |
| 0:01:35.222480 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1706, Identifier = 00, JSON = {'rxpk': [{'tmst': 2549322916, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CQAUFB+AaJ9/G0ok='}]} |
| 0:01:35.222480 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0540, FOpts: 0507), FPort: e0, FRMPayload: 045c, MIC: dfc6d289) |
| 0:01:35.222480 | LOG | Server <-------------------- DUT |
| 0:01:35.222480 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a809, FOpts: ), FPort: e0, FRMPayload: 0401010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: b621f59b) |
| 0:01:35.222480 | LOG | PULL\_RESP: Protocol version = 02, Token = 65d5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2550322916, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 138, 'data': 'YO++rd4ACajgg4uHB5kZ639EBFNkDHZfyHIGuLTlIzfDiK1GbFxpYh8oKsYi3Vh4xOOZaVyWV1vuKVVdz408G/ag6gM/P42+bU7pOyovzaRxbe6TsYWud1xQt1xZaO8tr/yrvAR0/rF08NhkRsYRwcCyFm8JF3GgoZcJJzTr5+jgfBYsPvW2IfWb'}} |
| 0:01:35.222480 | LOG | Server --------------------> DUT |
| 0:01:35.222480 | LOG | TX\_ACK: 02 65d5 05 aa555a0000240409 |
| 0:01:36.060489 | LOG | PULL\_DATA: 02 ac35 02 aa555a0000240409 |
| 0:01:36.060489 | LOG | PULL\_ACK: 02 ac35 04 |
| 0:01:40.476268 | LOG | PUSH\_ACK: 02 1708 01 |
| 0:01:40.476268 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1708, Identifier = 00, JSON = {'rxpk': [{'tmst': 2554554932, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -49, 'size': 138, 'data': 'QO++rd6AQQXgya3j9pDhhoQdadgH8FUK4NEgg44b3YCv0kR/Qu2zG+jFLIPGqKjS8ego4oyP2AZCWZJsUl0pKbFeVEMaOdkVXBP9hNrIeQatzMgjGDG1heRjoa3ZiiIqywTqdkTPQ/G2KwcfSD2NZO43ZKx967SDUo7lZl9y1+11DJu75kE0qSMS'}]} |
| 0:01:40.476268 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0541, FOpts: ), FPort: e0, FRMPayload: 0402020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202, MIC: 34a92312) |
| 0:01:40.476268 | LOG | Server <-------------------- DUT |
| 0:01:40.476268 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:01:40.476268 | LOG | Echo service tested successfully |
| 0:01:40.486226 | LOG | Test Echo service process starts |
| 0:01:44.956456 | LOG | PUSH\_ACK: 02 1709 01 |
| 0:01:44.956456 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1709, Identifier = 00, JSON = {'rxpk': [{'tmst': 2559048100, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -52, 'size': 15, 'data': 'QO++rd6AQgXgLpFV69B2'}]} |
| 0:01:44.956456 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0542, FOpts: ), FPort: e0, FRMPayload: 0202, MIC: 55ebd076) |
| 0:01:44.956456 | LOG | Server <-------------------- DUT |
| 0:01:44.956456 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a80a, FOpts: ), FPort: e0, FRMPayload: 0401010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 06fb8692) |
| 0:01:44.956456 | LOG | PULL\_RESP: Protocol version = 02, Token = 5981, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2561048100, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 138, 'data': 'YO++rd4ACqjgKPArdFm2XYHwJphZ+Z4gryLqQvZ2TlxSoYgMk5MYnfnOy3YX5Hma+SdRuzpGKBRzRkc8JOnFLclil5YClOI3NFsqkWeM83ow+oqpvryFZ5KFZTRfQ8DrD2wFz9DZrQqcoQQX6RMcb9cFRZyr2XedT699RYcbv+e6Z0kyiIQG+4aS'}} |
| 0:01:44.956456 | LOG | Server --------------------> DUT |
| 0:01:44.956456 | LOG | TX\_ACK: 02 5981 05 aa555a0000240409 |
| 0:01:46.206417 | LOG | PULL\_DATA: 02 1a9c 02 aa555a0000240409 |
| 0:01:46.206417 | LOG | PULL\_ACK: 02 1a9c 04 |
| 0:01:50.096729 | LOG | PUSH\_ACK: 02 170a 01 |
| 0:01:50.096729 | LOG | PUSH\_DATA: Protocol version = 02, Token = 170a, Identifier = 00, JSON = {'rxpk': [{'tmst': 2564239885, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -49, 'size': 138, 'data': 'QO++rd6AQwXgg+C0UA74D96FLAMLa6D/xqUW0/8UmQtqANWa8UF6n1Qpvmdi5ONKd+rm5Mvivv1YLNNY/njz/2WlAp/DW9daGxcMvx0fz54q/b8Z4H4QosqNfKNsKCvDvyLkD2uPCQFf2zbf6Yw00szr1sxujz8uQeuJ/Pil2FQhKvWSQvUxiCot'}]} |
| 0:01:50.096729 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0543, FOpts: ), FPort: e0, FRMPayload: 0402020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202, MIC: 31882a2d) |
| 0:01:50.096729 | LOG | Server <-------------------- DUT |
| 0:01:50.096729 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:01:50.096729 | LOG | Echo service tested successfully |
| 0:01:50.106763 | LOG | End Test Step: Uplink - Max Payload via Echo for datarate SF8BW125 |
| 0:01:50.106763 | LOG | Partial Verdict: PASS |
| 0:01:50.106763 | LOG | ========================================================= |
| 0:01:50.106763 | LOG | ========================================================= |
| 0:01:50.106763 | LOG | Start Test Step: Uplink - Max Payload via Echo for datarate SF7BW125 |
| 0:01:50.116766 | LOG | Send MAC command block process starts |
| 0:01:54.592882 | LOG | PUSH\_ACK: 02 170b 01 |
| 0:01:54.592882 | LOG | PUSH\_DATA: Protocol version = 02, Token = 170b, Identifier = 00, JSON = {'rxpk': [{'tmst': 2568733053, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ARAXg6joSRQ1v'}]} |
| 0:01:54.592882 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0544, FOpts: ), FPort: e0, FRMPayload: 0202, MIC: 12450d6f) |
| 0:01:54.592882 | LOG | Server <-------------------- DUT |
| 0:01:54.592882 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a80b, FOpts: ), FPort: 00, FRMPayload: 0335ff0001050a68e28c), MIC: 7e4ea3d5) |
| 0:01:54.592882 | LOG | PULL\_RESP: Protocol version = 02, Token = 7fab, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2569733053, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 924.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4AC6gAUclwa0Uinm5NS35Oo9U='}} |
| 0:01:54.592882 | LOG | Server --------------------> DUT |
| 0:01:54.592882 | LOG | TX\_ACK: 02 7fab 05 aa555a0000240409 |
| 0:01:56.256338 | LOG | PULL\_DATA: 02 730c 02 aa555a0000240409 |
| 0:01:56.256338 | LOG | PULL\_ACK: 02 730c 04 |
| 0:01:59.424048 | LOG | PUSH\_ACK: 02 170c 01 |
| 0:01:59.426093 | LOG | PUSH\_DATA: Protocol version = 02, Token = 170c, Identifier = 00, JSON = {'rxpk': [{'tmst': 2573535012, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -50, 'size': 19, 'data': 'QO++rd6ERQUDBwUH4NrgO71RHQ=='}]} |
| 0:01:59.426093 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 0545, FOpts: 03070507), FPort: e0, FRMPayload: 0203, MIC: 3bbd511d) |
| 0:01:59.426093 | LOG | Server <-------------------- DUT |
| 0:01:59.426093 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:01:59.426093 | LOG | Command Answer: 03070507 |
| 0:01:59.476507 | LOG | MAC command communication completed |
| 0:01:59.476507 | LOG | Test Echo service process starts |
| 0:02:04.238660 | LOG | PUSH\_ACK: 02 170d 01 |
| 0:02:04.238660 | LOG | PUSH\_DATA: Protocol version = 02, Token = 170d, Identifier = 00, JSON = {'rxpk': [{'tmst': 2578377212, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CRgUFB+ARfaRRf2E='}]} |
| 0:02:04.238660 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0546, FOpts: 0507), FPort: e0, FRMPayload: 0203, MIC: a4517f61) |
| 0:02:04.238660 | LOG | Server <-------------------- DUT |
| 0:02:04.238660 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a80c, FOpts: ), FPort: e0, FRMPayload: 0401010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1784f4c3) |
| 0:02:04.238660 | LOG | PULL\_RESP: Protocol version = 02, Token = 5334, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2579377212, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ADKjgVtyt8bIwyG21eB8yfp5lCcyaFpfpRIt2pDKzpyeYAm3CPP+af05DB79Q8Sf4OeV543SQKhWew65Pf+V7MQsLpcT/3ou5El8AZj4tlfh7PPxtk8qbtmsEl0Uce9cz53Q7Um6f+MA7a8+03l7aW5wS0hV1Ug3ZjHJHYWcIlv5NMfQkZPU9nz+Txp8SO9iw5RBMIKS/sYWM542ruIPUKyYkM0PoRqaB1jXs0cE8xpOj1Y9avH2TCfl0tty1rsYhuz5zaP2TriTK2lQ9xdXKAqadaupvcdmSG+xaZ9L8ghklRzdqd8FEUvDLGo0RFSUT8sTR/2cXhPTD'}} |
| 0:02:04.238660 | LOG | Server --------------------> DUT |
| 0:02:04.238660 | LOG | TX\_ACK: 02 5334 05 aa555a0000240409 |
| 0:02:06.471983 | LOG | PULL\_DATA: 02 52ff 02 aa555a0000240409 |
| 0:02:06.471983 | LOG | PULL\_ACK: 02 52ff 04 |
| 0:02:09.526362 | LOG | PUSH\_ACK: 02 170f 01 |
| 0:02:09.526362 | LOG | PUSH\_DATA: Protocol version = 02, Token = 170f, Identifier = 00, JSON = {'rxpk': [{'tmst': 2583652604, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 255, 'data': 'QO++rd6ARwXg8JbbOb5uMSdGDrZJSW8qfrEq3B3g11YkrtTkXyX7Qf/SwyEc6sfL7qe54TM9PcYVO5VgPQcY8a0d0F1ow/Qjrc/ygwZqG3PPjWLXWIxbvEKZZTgBIbKvp0l1ypzHCPKwIQFE0UbILIj551pK9E/VtXowzRmpXfoIpwthMvyBQe3gXYumGvyyeFh1pH7mxvOeXhpBoTD+OgPuydq/5SYBj5538FTk4Tfd/7ua1eADw4ObPiNlj1M+tNAJ0fEMwkNpMiaVT08D9nmNRpcslxCaLKGGcso0vccBtCmmnCDi3+B6Re/xjUVzwqe5opRbpW6aeetf835u'}]} |
| 0:02:09.526362 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0547, FOpts: ), FPort: e0, FRMPayload: 0402020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202, MIC: 5ff37e6e) |
| 0:02:09.526362 | LOG | Server <-------------------- DUT |
| 0:02:09.526362 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:02:09.526362 | LOG | Echo service tested successfully |
| 0:02:09.534457 | LOG | Test Echo service process starts |
| 0:02:13.946075 | LOG | PUSH\_ACK: 02 1710 01 |
| 0:02:13.946075 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1710, Identifier = 00, JSON = {'rxpk': [{'tmst': 2588056980, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.8, 'rssi': -50, 'size': 15, 'data': 'QO++rd6ASAXgakl6D21o'}]} |
| 0:02:13.946075 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0548, FOpts: ), FPort: e0, FRMPayload: 0202, MIC: 7a0f6d68) |
| 0:02:13.946075 | LOG | Server <-------------------- DUT |
| 0:02:13.946075 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a80d, FOpts: ), FPort: e0, FRMPayload: 0401010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 35b18d83) |
| 0:02:13.946075 | LOG | PULL\_RESP: Protocol version = 02, Token = b063, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2590056980, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4ADajgq1BkNfS4KmNykDoFEI1EcUT96hUSCpsRFBHgOVEpFgtEfZoy9gRsLinAO5ssgY1u5EaxELKj45ghql9L6d+50xuSgANcQiSX88bvGiZ/p6elNuMWY6dmWjfVnFkuoiwqfg5S3CigPkf0zkvfID3hr1Pxn+gSG1tg2EcCLIpr4L+nd55J1ea//q0duPEixp9IambQdemPbi5JSSD+6VVOOUc8ySVQDGAa2OcSc7qXVuxpGPN0pcTPOUX4CItDuue6mu3EhNva39r6ONxyXZzxk3NiaVwIeP+OVAvqlVYVEAoavAA2DdwoVgWQnWJGF4eDnrw1sY2D'}} |
| 0:02:13.946075 | LOG | Server --------------------> DUT |
| 0:02:13.946075 | LOG | TX\_ACK: 02 b063 05 aa555a0000240409 |
| 0:02:16.630061 | LOG | PULL\_DATA: 02 72d9 02 aa555a0000240409 |
| 0:02:16.630061 | LOG | PULL\_ACK: 02 72d9 04 |
| 0:02:19.247450 | LOG | PUSH\_ACK: 02 1711 01 |
| 0:02:19.247450 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1711, Identifier = 00, JSON = {'rxpk': [{'tmst': 2593378378, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -50, 'size': 255, 'data': 'QO++rd6ASQXg2cKmQCivxS1ckFz6Uf34Iud/DBffEl8DkHZsoXqC73c6xkQM+D5I18zI5nYLwXao7adhUcru5ThEC9QbFwiUeaV2PTjFIV7GveNQKcycsnkuFGqpsMaRPTInzj7xiWy84gFsYugU89X0Ci4G8ft+HOvTXgesuXrLmuZr/CXqFFXbH1DVrm0SVuIPB5IL8R/bb8V7lA4QN+8R3PeBBs52o8YOe5rK5ImmWy6ZGtAplb1+e6GALDY71EVoZoHgf7Srf4FhaxwSF3Fi+YTVyW3Mb9qJdNuAPTKkeFZTiKazNYnLzeLvVNtRp58IBAX027E49Kf91gWN'}]} |
| 0:02:19.247450 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0549, FOpts: ), FPort: e0, FRMPayload: 0402020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202, MIC: fdd6058d) |
| 0:02:19.247450 | LOG | Server <-------------------- DUT |
| 0:02:19.247450 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:02:19.247450 | LOG | Echo service tested successfully |
| 0:02:19.255506 | LOG | End Test Step: Uplink - Max Payload via Echo for datarate SF7BW125 |
| 0:02:19.255506 | LOG | Partial Verdict: PASS |
| 0:02:19.255506 | LOG | ========================================================= |
| 0:02:19.255506 | LOG | ========================================================= |
| 0:02:19.255506 | LOG | Start Test Step: Uplink - Max Payload via Echo for datarate SF8BW500 |
| 0:02:19.265481 | LOG | Send MAC command block process starts |
| 0:02:23.644777 | LOG | PUSH\_ACK: 02 1712 01 |
| 0:02:23.646883 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1712, Identifier = 00, JSON = {'rxpk': [{'tmst': 2597782554, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 15, 'data': 'QO++rd6ASgXgX3qm3c48'}]} |
| 0:02:23.646883 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 054a, FOpts: ), FPort: e0, FRMPayload: 0202, MIC: a6ddce3c) |
| 0:02:23.646883 | LOG | Server <-------------------- DUT |
| 0:02:23.646883 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a80e, FOpts: ), FPort: 00, FRMPayload: 0345ff0001050a68e28c), MIC: 3a78eb94) |
| 0:02:23.646883 | LOG | PULL\_RESP: Protocol version = 02, Token = 9947, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2598782554, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4ADqgA41JKXEOB/odwODp465Q='}} |
| 0:02:23.646883 | LOG | Server --------------------> DUT |
| 0:02:23.646883 | LOG | TX\_ACK: 02 9947 05 aa555a0000240409 |
| 0:02:26.728082 | LOG | PULL\_DATA: 02 d308 02 aa555a0000240409 |
| 0:02:26.728082 | LOG | PULL\_ACK: 02 d308 04 |
| 0:02:28.448456 | LOG | PUSH\_ACK: 02 1713 01 |
| 0:02:28.448456 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1713, Identifier = 00, JSON = {'rxpk': [{'tmst': 2602580186, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -54, 'size': 19, 'data': 'QO++rd6ESwUDBwUH4M3aTJHZcQ=='}]} |
| 0:02:28.448456 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 054b, FOpts: 03070507), FPort: e0, FRMPayload: 0203, MIC: 4c91d971) |
| 0:02:28.448456 | LOG | Server <-------------------- DUT |
| 0:02:28.448456 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:02:28.448456 | LOG | Command Answer: 03070507 |
| 0:02:28.488454 | LOG | MAC command communication completed |
| 0:02:28.488454 | LOG | Test Echo service process starts |
| 0:02:33.298513 | LOG | PUSH\_ACK: 02 1714 01 |
| 0:02:33.300556 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1714, Identifier = 00, JSON = {'rxpk': [{'tmst': 2607424922, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -54, 'size': 17, 'data': 'QO++rd6CTAUFB+AhYaanGuI='}]} |
| 0:02:33.300556 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 054c, FOpts: 0507), FPort: e0, FRMPayload: 0203, MIC: a6a71ae2) |
| 0:02:33.300556 | LOG | Server <-------------------- DUT |
| 0:02:33.300556 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a80f, FOpts: ), FPort: e0, FRMPayload: 0401010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f47a7824) |
| 0:02:33.300556 | LOG | PULL\_RESP: Protocol version = 02, Token = 607d, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2608424922, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AD6jgT3lxo72U3SfLfH76L2SRKgbdGBF7fsoaPJzKXTr8K01OyEdXlQ8L5MIeVqpxTYvUxTvW0DBDgQHfPOIUobJ92aSb/E6A1ddUb7U1oOb+btQabbolUV3/Lk64LY1KrAsSmI/nE+ZaiDNwLA5wQ2oIRzI3VyywQezdjg2jj8lLabAXTyfCuHqJCR4+VZhPxTXROhMkp6b5YjoATMAjiByI6FqYt4rko7QXnL5G/QR20LI+MzRobtdoYuNnMO/EaEnCktv1AEj8fp85iB2iv4D3VWrEMtKEaVJIdAIsm3DXwr6Cw1oSq/WSIA9ZmFZrk123tHr0engk'}} |
| 0:02:33.300556 | LOG | Server --------------------> DUT |
| 0:02:33.300556 | LOG | TX\_ACK: 02 607d 05 aa555a0000240409 |
| 0:02:36.814010 | LOG | PULL\_DATA: 02 eedb 02 aa555a0000240409 |
| 0:02:36.814010 | LOG | PULL\_ACK: 02 eedb 04 |
| 0:02:38.389631 | LOG | PUSH\_ACK: 02 1716 01 |
| 0:02:38.389631 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1716, Identifier = 00, JSON = {'rxpk': [{'tmst': 2612510877, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -54, 'size': 255, 'data': 'QO++rd6ATQXg72yqbYPmddqX0ZJ8In2cQjBTigAh/AJtuAy0rmV3ZNl5gcn4/Bp6cGu3vK5eR9WvvcPbDUNUZZ/xtZb9Ew4hUJzgXVaILJfNLTOHmUq0wnN0ppJa3QBx7vTIIGqOFXCS9hQkSndNgv0Njfrt2Dhmt/dIEXc6yAazdbS7iLvgEWZTt/c5RQQEwnhjLlx7fHz/WgAE6M8Wf+L/HzIY54OeTmks0oNFBe0nduaCopcKsjwaq7eJWlj3fnFgZNjc3UeLqoaYSYvEmksHzKNI3E+oPmIJVfd/uCrMbPEwg7nUnmAPxNDBKXCVtVbfMhAI3tmOD1a+Pkp5'}]} |
| 0:02:38.389631 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 054d, FOpts: ), FPort: e0, FRMPayload: 0402020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202, MIC: be3e4a79) |
| 0:02:38.389631 | LOG | Server <-------------------- DUT |
| 0:02:38.389631 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:02:38.389631 | LOG | Echo service tested successfully |
| 0:02:38.397696 | LOG | Test Echo service process starts |
| 0:02:43.024911 | LOG | PUSH\_ACK: 02 1717 01 |
| 0:02:43.024911 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1717, Identifier = 00, JSON = {'rxpk': [{'tmst': 2617119867, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -54, 'size': 15, 'data': 'QO++rd6ATgXgS7kkDfq/'}]} |
| 0:02:43.024911 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 054e, FOpts: ), FPort: e0, FRMPayload: 0202, MIC: 240dfabf) |
| 0:02:43.024911 | LOG | Server <-------------------- DUT |
| 0:02:43.024911 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a810, FOpts: ), FPort: e0, FRMPayload: 0401010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f3bd0080) |
| 0:02:43.024911 | LOG | PULL\_RESP: Protocol version = 02, Token = 9fc6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2619119867, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 255, 'data': 'YO++rd4AEKjgu0OLpu8gXHvynoV/wlvEudemFzlwFJ8q2kjUcBdiibNS73AZSu/QTeEEfkgJl31EaBhF6ET1Pln+KkwmHBBos1Dxf/fR345l0hzUgYu+EZ0cTE4wiFio0w/kIapXtcXLaEbHMEFGrk0NikEfrIFsCCZrOyCnqyav9CahukiMRDJDDOoMnEKcQU8ae8x6gRmWMnZu+64TDBhX9OULWA2nCRJGJK3lKSfpECk9nr14H5ptpsHghT9t1TIXW2J+0tmZAM517jm5TWtkKvAFU43ZkWLqZJPtfQvzp/uKM4NOGLJbCwsi+yuOwMsE2ssMpNkQP47zvQCA'}} |
| 0:02:43.024911 | LOG | Server --------------------> DUT |
| 0:02:43.024911 | LOG | TX\_ACK: 02 9fc6 05 aa555a0000240409 |
| 0:02:46.917598 | LOG | PULL\_DATA: 02 ab21 02 aa555a0000240409 |
| 0:02:46.917598 | LOG | PULL\_ACK: 02 ab21 04 |
| 0:02:48.057859 | LOG | PUSH\_ACK: 02 1718 01 |
| 0:02:48.057859 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1718, Identifier = 00, JSON = {'rxpk': [{'tmst': 2622206159, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -54, 'size': 255, 'data': 'QO++rd6ATwXgdtE70XJvBC8Wa0hQGHVjdXy1eji3rJ7dgc7OCHgmHdbsH1n0l+LHmF8oEVwK4YAuRe/RClYCQLeo+6MSnaD20dfCG9KII53j7RftenKoOlcVPnvv/2+Sm8cwpJ3r4MpLphfnf/8Zi8jqa12ILmUbIEpI0uuNQjEgkNgHGMHmRJpQUeOJyADgr3LAC1YjEz+KuIKEuqBEZWnpJOzuU3MZyUnQjD+abc6g8RPf9SxIJQ/mtiBdx5qIFWPDO7IDp6VOcvZHJL+b5KXxzBjhOLQ3y8s3u3ZngDso7bCwNvDEf8cgbZDuaGcujZqvcz42gvu1Sv8dmDMv'}]} |
| 0:02:48.057859 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 054f, FOpts: ), FPort: e0, FRMPayload: 0402020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202, MIC: 1d98332f) |
| 0:02:48.057859 | LOG | Server <-------------------- DUT |
| 0:02:48.057859 | LOG | No ACK is sent for the previous Unconfirmed frame |
| 0:02:48.057859 | LOG | Echo service tested successfully |
| 0:02:48.067884 | LOG | End Test Step: Uplink - Max Payload via Echo for datarate SF8BW500 |
| 0:02:48.067884 | LOG | Partial Verdict: PASS |
| 0:02:48.067884 | LOG | ========================================================= |
| 0:02:48.067884 | LOG | ========================================================= |
| 0:02:48.067884 | LOG | Start Test Step: Uplink - Oversized Payload via Echo for datarate SF10BW125 |
| 0:02:48.077859 | LOG | Send MAC command block process starts |
| 0:02:52.719826 | LOG | PUSH\_ACK: 02 1719 01 |
| 0:02:52.721884 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1719, Identifier = 00, JSON = {'rxpk': [{'tmst': 2626815149, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -54, 'size': 15, 'data': 'QO++rd6AUAXgyWuwANiY'}]} |
| 0:02:52.721884 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0550, FOpts: ), FPort: e0, FRMPayload: 0202, MIC: b000d898) |
| 0:02:52.721884 | LOG | Server <-------------------- DUT |
| 0:02:52.721884 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a811, FOpts: ), FPort: 00, FRMPayload: 0305ff0001050a68e28c), MIC: 4449ae19) |
| 0:02:52.721884 | LOG | PULL\_RESP: Protocol version = 02, Token = 56d8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2627815149, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4AEagA2Ck6uuRtk3FCgURJrhk='}} |
| 0:02:52.721884 | LOG | Server --------------------> DUT |
| 0:02:52.721884 | LOG | TX\_ACK: 02 56d8 05 aa555a0000240409 |
| 0:02:57.031912 | LOG | PULL\_DATA: 02 fde1 02 aa555a0000240409 |
| 0:02:57.031912 | LOG | PULL\_ACK: 02 fde1 04 |
| 0:02:57.911908 | LOG | PUSH\_ACK: 02 171a 01 |
| 0:02:57.911908 | LOG | PUSH\_DATA: Protocol version = 02, Token = 171a, Identifier = 00, JSON = {'rxpk': [{'tmst': 2631995566, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 9.5, 'rssi': -48, 'size': 19, 'data': 'QO++rd6EUQUDBwUH4AsgBX44ng=='}]} |
| 0:02:57.911908 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 0551, FOpts: 03070507), FPort: e0, FRMPayload: 0203, MIC: 057e389e) |
| 0:02:57.911908 | LOG | Server <-------------------- DUT |
| 0:02:57.911908 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:02:57.911908 | LOG | Command Answer: 03070507 |
| 0:02:57.951902 | LOG | MAC command communication completed |
| 0:02:57.951902 | LOG | Test Echo service process starts |
| 0:03:02.699332 | LOG | PUSH\_ACK: 02 171b 01 |
| 0:03:02.701415 | LOG | PUSH\_DATA: Protocol version = 02, Token = 171b, Identifier = 00, JSON = {'rxpk': [{'tmst': 2636837758, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 5.5, 'rssi': -59, 'size': 17, 'data': 'QO++rd6CUgUFB+DCVMreaXU='}]} |
| 0:03:02.701415 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0552, FOpts: 0507), FPort: e0, FRMPayload: 0203, MIC: cade6975) |
| 0:03:02.701415 | LOG | Server <-------------------- DUT |
| 0:03:02.701415 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a812, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101), MIC: 745e262b) |
| 0:03:02.701415 | LOG | PULL\_RESP: Protocol version = 02, Token = fab3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2637837758, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 25, 'data': 'YO++rd4AEqjggaBuEhNwuCtfe6WYdF4mKw=='}} |
| 0:03:02.701415 | LOG | Server --------------------> DUT |
| 0:03:02.701415 | LOG | TX\_ACK: 02 fab3 05 aa555a0000240409 |
| 0:03:07.212596 | LOG | PULL\_DATA: 02 43a0 02 aa555a0000240409 |
| 0:03:07.212596 | LOG | PULL\_ACK: 02 43a0 04 |
| 0:03:07.503709 | LOG | PUSH\_ACK: 02 171c 01 |
| 0:03:07.505734 | LOG | PUSH\_DATA: Protocol version = 02, Token = 171c, Identifier = 00, JSON = {'rxpk': [{'tmst': 2641636069, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -48, 'size': 12, 'data': 'QO++rd6AUwWERtpL'}]} |
| 0:03:07.505734 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0553, FOpts: ), FPort: , FRMPayload: , MIC: 8446da4b) |
| 0:03:07.505734 | LOG | Server <-------------------- DUT |
| 0:03:07.505734 | LOG | Test Echo service process starts |
| 0:03:12.434082 | LOG | PUSH\_ACK: 02 171e 01 |
| 0:03:12.434082 | LOG | PUSH\_DATA: Protocol version = 02, Token = 171e, Identifier = 00, JSON = {'rxpk': [{'tmst': 2646522501, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AVAXglWzWNhzK'}]} |
| 0:03:12.434082 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0554, FOpts: ), FPort: e0, FRMPayload: 0204, MIC: d6361cca) |
| 0:03:12.434082 | LOG | Server <-------------------- DUT |
| 0:03:12.434082 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a813, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101), MIC: b897202c) |
| 0:03:12.434082 | LOG | PULL\_RESP: Protocol version = 02, Token = 3ec6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2648522501, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 25, 'data': 'YO++rd4AE6jgnWjlMjfKxXMH0ERuuJcgLA=='}} |
| 0:03:12.434082 | LOG | Server --------------------> DUT |
| 0:03:12.434082 | LOG | TX\_ACK: 02 3ec6 05 aa555a0000240409 |
| 0:03:17.185871 | LOG | PUSH\_ACK: 02 171f 01 |
| 0:03:17.187897 | LOG | PUSH\_DATA: Protocol version = 02, Token = 171f, Identifier = 00, JSON = {'rxpk': [{'tmst': 2651321116, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 7.3, 'rssi': -48, 'size': 12, 'data': 'QO++rd6AVQVBzqyB'}]} |
| 0:03:17.187897 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0555, FOpts: ), FPort: , FRMPayload: , MIC: 41ceac81) |
| 0:03:17.187897 | LOG | Server <-------------------- DUT |
| 0:03:17.187897 | LOG | End Test Step: Uplink - Oversized Payload via Echo for datarate SF10BW125 |
| 0:03:17.195947 | LOG | Partial Verdict: PASS |
| 0:03:17.195947 | LOG | ========================================================= |
| 0:03:17.195947 | LOG | ========================================================= |
| 0:03:17.195947 | LOG | Start Test Step: Uplink - Oversized Payload via Echo for datarate SF9BW125 |
| 0:03:17.205944 | LOG | Send MAC command block process starts |
| 0:03:17.325950 | LOG | PULL\_DATA: 02 ea17 02 aa555a0000240409 |
| 0:03:17.325950 | LOG | PULL\_ACK: 02 ea17 04 |
| 0:03:22.055957 | LOG | PUSH\_ACK: 02 1720 01 |
| 0:03:22.055957 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1720, Identifier = 00, JSON = {'rxpk': [{'tmst': 2656207436, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF10BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -53, 'size': 15, 'data': 'QO++rd6AVgXg6cgodT1r'}]} |
| 0:03:22.055957 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0556, FOpts: ), FPort: e0, FRMPayload: 0205, MIC: 28753d6b) |
| 0:03:22.055957 | LOG | Server <-------------------- DUT |
| 0:03:22.055957 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a814, FOpts: ), FPort: 00, FRMPayload: 0315ff0001050a68e28c), MIC: a4fdde6d) |
| 0:03:22.055957 | LOG | PULL\_RESP: Protocol version = 02, Token = 89a8, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2657207436, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4AFKgAqJMOV2p5hHzvVKT93m0='}} |
| 0:03:22.055957 | LOG | Server --------------------> DUT |
| 0:03:22.055957 | LOG | TX\_ACK: 02 89a8 05 aa555a0000240409 |
| 0:03:26.843137 | LOG | PUSH\_ACK: 02 1721 01 |
| 0:03:26.844258 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1721, Identifier = 00, JSON = {'rxpk': [{'tmst': 2660946365, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 12.3, 'rssi': -48, 'size': 19, 'data': 'QO++rd6EVwUDBwUH4C/MDa3z4g=='}]} |
| 0:03:26.844258 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 0557, FOpts: 03070507), FPort: e0, FRMPayload: 0206, MIC: 0dadf3e2) |
| 0:03:26.844258 | LOG | Server <-------------------- DUT |
| 0:03:26.844258 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:03:26.844258 | LOG | Command Answer: 03070507 |
| 0:03:26.879770 | LOG | MAC command communication completed |
| 0:03:26.889770 | LOG | Test Echo service process starts |
| 0:03:27.379806 | LOG | PULL\_DATA: 02 e23e 02 aa555a0000240409 |
| 0:03:27.379806 | LOG | PULL\_ACK: 02 e23e 04 |
| 0:03:31.633359 | LOG | PUSH\_ACK: 02 1722 01 |
| 0:03:31.633359 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1722, Identifier = 00, JSON = {'rxpk': [{'tmst': 2665767893, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CWAUFB+DH0R7HyA8='}]} |
| 0:03:31.633359 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0558, FOpts: 0507), FPort: e0, FRMPayload: 0206, MIC: 1ec7c80f) |
| 0:03:31.633359 | LOG | Server <-------------------- DUT |
| 0:03:31.633359 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a815, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1f25df87) |
| 0:03:31.633359 | LOG | PULL\_RESP: Protocol version = 02, Token = 1dd4, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2666767893, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 923.9, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 67, 'data': 'YO++rd4AFajgSXdtDCUQ7Xjgs6Bm0gcMNVrRwnprXXTZesQQyoCXYyWUa+Yxbw4M75WE90cCN2ns+JzN7N4CHyXfhw=='}} |
| 0:03:31.633359 | LOG | Server --------------------> DUT |
| 0:03:31.633359 | LOG | TX\_ACK: 02 1dd4 05 aa555a0000240409 |
| 0:03:36.492827 | LOG | PUSH\_ACK: 02 1723 01 |
| 0:03:36.494888 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1723, Identifier = 00, JSON = {'rxpk': [{'tmst': 2670586365, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -49, 'size': 12, 'data': 'QO++rd6AWQWztFd5'}]} |
| 0:03:36.494888 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0559, FOpts: ), FPort: , FRMPayload: , MIC: b3b45779) |
| 0:03:36.494888 | LOG | Server <-------------------- DUT |
| 0:03:36.494888 | LOG | Test Echo service process starts |
| 0:03:37.572266 | LOG | PULL\_DATA: 02 dc1f 02 aa555a0000240409 |
| 0:03:37.572266 | LOG | PULL\_ACK: 02 dc1f 04 |
| 0:03:41.336108 | LOG | PUSH\_ACK: 02 1725 01 |
| 0:03:41.338151 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1725, Identifier = 00, JSON = {'rxpk': [{'tmst': 2675452605, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.0, 'rssi': -47, 'size': 15, 'data': 'QO++rd6AWgXginl7hDYB'}]} |
| 0:03:41.338151 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 055a, FOpts: ), FPort: e0, FRMPayload: 0207, MIC: 7b843601) |
| 0:03:41.338151 | LOG | Server <-------------------- DUT |
| 0:03:41.338151 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a816, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8ea13f97) |
| 0:03:41.338151 | LOG | PULL\_RESP: Protocol version = 02, Token = 73b3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2677452605, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 67, 'data': 'YO++rd4AFqjgLBHhzfdXNVSVCc+u1wZj8h48cMsWxN+Ubiilxlurek8btxl+HUN8zI1m+CiUh+ur2X2eHaf0jqE/lw=='}} |
| 0:03:41.338151 | LOG | Server --------------------> DUT |
| 0:03:41.338151 | LOG | TX\_ACK: 02 73b3 05 aa555a0000240409 |
| 0:03:46.125344 | LOG | PUSH\_ACK: 02 1726 01 |
| 0:03:46.127389 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1726, Identifier = 00, JSON = {'rxpk': [{'tmst': 2680271350, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -50, 'size': 12, 'data': 'QO++rd6AWwWvL69T'}]} |
| 0:03:46.127389 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 055b, FOpts: ), FPort: , FRMPayload: , MIC: af2faf53) |
| 0:03:46.127389 | LOG | Server <-------------------- DUT |
| 0:03:46.127389 | LOG | End Test Step: Uplink - Oversized Payload via Echo for datarate SF9BW125 |
| 0:03:46.135444 | LOG | Partial Verdict: PASS |
| 0:03:46.135444 | LOG | ========================================================= |
| 0:03:46.135444 | LOG | ========================================================= |
| 0:03:46.135444 | LOG | Start Test Step: Uplink - Oversized Payload via Echo for datarate SF8BW125 |
| 0:03:46.145400 | LOG | Send MAC command block process starts |
| 0:03:47.675262 | LOG | PULL\_DATA: 02 74cb 02 aa555a0000240409 |
| 0:03:47.675262 | LOG | PULL\_ACK: 02 74cb 04 |
| 0:03:51.046680 | LOG | PUSH\_ACK: 02 1727 01 |
| 0:03:51.048734 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1727, Identifier = 00, JSON = {'rxpk': [{'tmst': 2685137734, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF9BW125', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -42, 'size': 15, 'data': 'QO++rd6AXAXgcH8g3ekT'}]} |
| 0:03:51.048734 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 055c, FOpts: ), FPort: e0, FRMPayload: 0208, MIC: 20dde913) |
| 0:03:51.048734 | LOG | Server <-------------------- DUT |
| 0:03:51.048734 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a817, FOpts: ), FPort: 00, FRMPayload: 0325ff0001050a68e28c), MIC: ee19e893) |
| 0:03:51.048734 | LOG | PULL\_RESP: Protocol version = 02, Token = 26f5, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2686137734, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF9BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4AF6gAEv0jRcQejB94Xu4Z6JM='}} |
| 0:03:51.048734 | LOG | Server --------------------> DUT |
| 0:03:51.048734 | LOG | TX\_ACK: 02 26f5 05 aa555a0000240409 |
| 0:03:55.760466 | LOG | PUSH\_ACK: 02 1728 01 |
| 0:03:55.760466 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1728, Identifier = 00, JSON = {'rxpk': [{'tmst': 2689919038, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -47, 'size': 19, 'data': 'QO++rd6EXQUDBwUH4MhJRO2SRw=='}]} |
| 0:03:55.760466 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 055d, FOpts: 03070507), FPort: e0, FRMPayload: 0209, MIC: 44ed9247) |
| 0:03:55.760466 | LOG | Server <-------------------- DUT |
| 0:03:55.760466 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:03:55.760466 | LOG | Command Answer: 03070507 |
| 0:03:55.800424 | LOG | MAC command communication completed |
| 0:03:55.800424 | LOG | Test Echo service process starts |
| 0:03:57.806201 | LOG | PULL\_DATA: 02 b363 02 aa555a0000240409 |
| 0:03:57.806201 | LOG | PULL\_ACK: 02 b363 04 |
| 0:04:00.627308 | LOG | PUSH\_ACK: 02 1729 01 |
| 0:04:00.627308 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1729, Identifier = 00, JSON = {'rxpk': [{'tmst': 2694750974, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.8, 'rssi': -52, 'size': 17, 'data': 'QO++rd6CXgUFB+C+sxHCXqQ='}]} |
| 0:04:00.627308 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 055e, FOpts: 0507), FPort: e0, FRMPayload: 0209, MIC: 11c25ea4) |
| 0:04:00.627308 | LOG | Server <-------------------- DUT |
| 0:04:00.627308 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a818, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e49dae96) |
| 0:04:00.627308 | LOG | PULL\_RESP: Protocol version = 02, Token = 4954, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2695750974, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 139, 'data': 'YO++rd4AGKjgvOoeItVyLPv4/ujv/xlLqm7S9a+IWD/gqvlU+BGLLmRJq6kaI7bxa81kCzV2NZzc40NvPynxWQvatYm+w1obATND4cIfFl4hj7dLJl4g7Pkd/qMgOsGw2QacP24bxQMfFPvAz6/mpc+pkRxo8TNRFS7KBYYrzAzIdk1Veu2J5J2ulg=='}} |
| 0:04:00.627308 | LOG | Server --------------------> DUT |
| 0:04:00.627308 | LOG | TX\_ACK: 02 4954 05 aa555a0000240409 |
| 0:04:05.503752 | LOG | PUSH\_ACK: 02 172a 01 |
| 0:04:05.503752 | LOG | PUSH\_DATA: Protocol version = 02, Token = 172a, Identifier = 00, JSON = {'rxpk': [{'tmst': 2699620191, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 9.8, 'rssi': -48, 'size': 12, 'data': 'QO++rd6AXwXik1S8'}]} |
| 0:04:05.503752 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 055f, FOpts: ), FPort: , FRMPayload: , MIC: e29354bc) |
| 0:04:05.503752 | LOG | Server <-------------------- DUT |
| 0:04:05.503752 | LOG | Test Echo service process starts |
| 0:04:08.029032 | LOG | PULL\_DATA: 02 8a20 02 aa555a0000240409 |
| 0:04:08.029032 | LOG | PULL\_ACK: 02 8a20 04 |
| 0:04:10.354362 | LOG | PUSH\_ACK: 02 172c 01 |
| 0:04:10.354362 | LOG | PUSH\_DATA: Protocol version = 02, Token = 172c, Identifier = 00, JSON = {'rxpk': [{'tmst': 2704476215, 'chan': 5, 'rfch': 1, 'freq': 903.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.3, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AYAXgTxHatEtg'}]} |
| 0:04:10.354362 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0560, FOpts: ), FPort: e0, FRMPayload: 0202, MIC: dab44b60) |
| 0:04:10.354362 | LOG | Server <-------------------- DUT |
| 0:04:10.354362 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a819, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 9d0658c3) |
| 0:04:10.354362 | LOG | PULL\_RESP: Protocol version = 02, Token = 9424, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2706476215, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 139, 'data': 'YO++rd4AGajgyQjeHLdVjUtUZtIFikLUXtMShy1Mc+/uZLw66TqIIdRmQEgsw2FAUtVp0/aHhMEn78Q/FP+nLxlzlaBBUWxbDLu4RpbWyNVAjFHl1UBN/jLgZ2UvUIYZR2tQVsk7rZn8Y4+nsHru/n+j3kj5KqbX5W4SeTRwQL+CJh269URVnQZYww=='}} |
| 0:04:10.354362 | LOG | Server --------------------> DUT |
| 0:04:10.354362 | LOG | TX\_ACK: 02 9424 05 aa555a0000240409 |
| 0:04:15.159492 | LOG | PUSH\_ACK: 02 172d 01 |
| 0:04:15.161583 | LOG | PUSH\_DATA: Protocol version = 02, Token = 172d, Identifier = 00, JSON = {'rxpk': [{'tmst': 2709305222, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 7.5, 'rssi': -47, 'size': 12, 'data': 'QO++rd6AYQVa7/lq'}]} |
| 0:04:15.161583 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0561, FOpts: ), FPort: , FRMPayload: , MIC: 5aeff96a) |
| 0:04:15.161583 | LOG | Server <-------------------- DUT |
| 0:04:15.161583 | LOG | End Test Step: Uplink - Oversized Payload via Echo for datarate SF8BW125 |
| 0:04:15.161583 | LOG | Partial Verdict: PASS |
| 0:04:15.169637 | LOG | ========================================================= |
| 0:04:15.169637 | LOG | ========================================================= |
| 0:04:15.169637 | LOG | Start Test Step: Uplink - Oversized Payload via Echo for datarate SF7BW125 |
| 0:04:15.179633 | LOG | Send MAC command block process starts |
| 0:04:18.162777 | LOG | PULL\_DATA: 02 33aa 02 aa555a0000240409 |
| 0:04:18.162777 | LOG | PULL\_ACK: 02 33aa 04 |
| 0:04:20.063530 | LOG | PUSH\_ACK: 02 172e 01 |
| 0:04:20.063530 | LOG | PUSH\_DATA: Protocol version = 02, Token = 172e, Identifier = 00, JSON = {'rxpk': [{'tmst': 2714161254, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW125', 'codr': '4/5', 'lsnr': 11.0, 'rssi': -51, 'size': 15, 'data': 'QO++rd6AYgXg1JZo0zoB'}]} |
| 0:04:20.063530 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0562, FOpts: ), FPort: e0, FRMPayload: 0202, MIC: 68d33a01) |
| 0:04:20.063530 | LOG | Server <-------------------- DUT |
| 0:04:20.063530 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a81a, FOpts: ), FPort: 00, FRMPayload: 0335ff0001050a68e28c), MIC: 1825608c) |
| 0:04:20.063530 | LOG | PULL\_RESP: Protocol version = 02, Token = 0acf, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2715161254, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF8BW500', 'freq': 925.1, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4AGqgAvy03Gpe3+5ENPBglYIw='}} |
| 0:04:20.063530 | LOG | Server --------------------> DUT |
| 0:04:20.063530 | LOG | TX\_ACK: 02 0acf 05 aa555a0000240409 |
| 0:04:24.838755 | LOG | PUSH\_ACK: 02 172f 01 |
| 0:04:24.840750 | LOG | PUSH\_DATA: Protocol version = 02, Token = 172f, Identifier = 00, JSON = {'rxpk': [{'tmst': 2718963245, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -49, 'size': 19, 'data': 'QO++rd6EYwUDBwUH4JsLMZA/jg=='}]} |
| 0:04:24.840929 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 0563, FOpts: 03070507), FPort: e0, FRMPayload: 0203, MIC: 31903f8e) |
| 0:04:24.840929 | LOG | Server <-------------------- DUT |
| 0:04:24.840929 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:04:24.840929 | LOG | Command Answer: 03070507 |
| 0:04:24.876441 | LOG | MAC command communication completed |
| 0:04:24.886441 | LOG | Test Echo service process starts |
| 0:04:28.252850 | LOG | PULL\_DATA: 02 a154 02 aa555a0000240409 |
| 0:04:28.252850 | LOG | PULL\_ACK: 02 a154 04 |
| 0:04:29.677010 | LOG | PUSH\_ACK: 02 1730 01 |
| 0:04:29.679054 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1730, Identifier = 00, JSON = {'rxpk': [{'tmst': 2723805542, 'chan': 7, 'rfch': 1, 'freq': 903.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.0, 'rssi': -51, 'size': 17, 'data': 'QO++rd6CZAUFB+CEK4NC0og='}]} |
| 0:04:29.679054 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0564, FOpts: 0507), FPort: e0, FRMPayload: 0203, MIC: 8342d288) |
| 0:04:29.679054 | LOG | Server <-------------------- DUT |
| 0:04:29.679054 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a81b, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: f0f8276a) |
| 0:04:29.679054 | LOG | PULL\_RESP: Protocol version = 02, Token = b3f7, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2724805542, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 927.5, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4AG6jggsN+ZlTh1IZKSpr+nFNp1jvKqF8yiPTlA0nvPFfciLbzZVRWf0B0PWkrAvKNjvFMEmx+xtdPDHkD7954vDvwZIGHpnWdyLwncm3EiBeDSFYEaTeVSaKubJxmIeT0U2Zefo/BH3QH67xx8Tlg6ZcllxbVFuW+9vtubug1uUaOqO8HVkm2zZyItBog8OXsjDS4K4hbR+1attInaWAaJcudCa9wl87V0yyYmYUr+pgEb/s/koB2AHit9bLZp2q3MScJZrMgW2uJbr7oSeNv9sbMKIa94gHy1QU0pWTbr4+6kJauBT4A/IadCN8mGC94v5igefye8Pgnag=='}} |
| 0:04:29.679054 | LOG | Server --------------------> DUT |
| 0:04:29.679054 | LOG | TX\_ACK: 02 b3f7 05 aa555a0000240409 |
| 0:04:34.512988 | LOG | PUSH\_ACK: 02 1731 01 |
| 0:04:34.512988 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1731, Identifier = 00, JSON = {'rxpk': [{'tmst': 2728648118, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CZQUFB+DLDaKgYzo='}]} |
| 0:04:34.512988 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0565, FOpts: 0507), FPort: e0, FRMPayload: 0203, MIC: a2a0633a) |
| 0:04:34.512988 | LOG | Server <-------------------- DUT |
| 0:04:34.512988 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a81c, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: c835d669) |
| 0:04:34.512988 | LOG | PULL\_RESP: Protocol version = 02, Token = 31bc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2729648118, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4AHKjgC/hW9XZLW9Xhyk14G+Qet9dU65adZeUVMd1Y6REeEZlFSmI393sb+s/r8pkgMFynG4WYPk1ldi6iirufK5Cd9F3n3ooogxv4p/92NzMBy1+sDJwCNxpfirqxfw+1T5fNSVeW5v6QPlnvKvexXs4/xvEX53YBy1zUjfjQxezlvcbgzj+Wk972S9Hvi54WAPO2DG54m8a6jW2SUGr35SSmhNzGLA+TM755gOJr2vT6qpSw5P2FmrU9RXTzPArxp+p9R4Ag2F6mG9QhbLrrfzBRU5n+lnhxBJCyxDGPCJwdbtditfs+qKda7SkvjrT9OJd/BbaayDXWaQ=='}} |
| 0:04:34.512988 | LOG | Server --------------------> DUT |
| 0:04:34.512988 | LOG | TX\_ACK: 02 31bc 05 aa555a0000240409 |
| 0:04:38.435885 | LOG | PULL\_DATA: 02 64ea 02 aa555a0000240409 |
| 0:04:38.435885 | LOG | PULL\_ACK: 02 64ea 04 |
| 0:04:39.385552 | LOG | PUSH\_ACK: 02 1733 01 |
| 0:04:39.385552 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1733, Identifier = 00, JSON = {'rxpk': [{'tmst': 2733490733, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -51, 'size': 17, 'data': 'QO++rd6CZgUFB+CmBKz7tWk='}]} |
| 0:04:39.385552 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0566, FOpts: 0507), FPort: e0, FRMPayload: 0203, MIC: acfbb569) |
| 0:04:39.385552 | LOG | Server <-------------------- DUT |
| 0:04:39.385552 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a81d, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 0651ea9f) |
| 0:04:39.385552 | LOG | PULL\_RESP: Protocol version = 02, Token = f0dc, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2734490733, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4AHajgOhxjzF6EBA4B8p3FAQwu9h73KTOWCUr0K7PTlzdDodREAG8gq8Xks7Va3dg5rU3qaQVohNRx2U/ZmpYd2fXYzGJoLCpbfrQ7pD6WYH5qPViS5Qy/dXEibi7yQbRDMxh6vtQ7dOIAHW0i7GzDTFfro0jlSKq67yBIhRI+N7mYig5UnaCqQAGtrPFFTWWRFuRuPaR0X7HTv+uUGZXbg8DYTNlwNlwzmyP9dQBVUTnjVEklh+NitW1S+dY4eiFBQgcMigq4FE9HvAWYoJqV2junfHAt4lazoWwSY6zy+uwGx/lqz8oDSUsbDyakPATycxUVylcmBlHqnw=='}} |
| 0:04:39.385552 | LOG | Server --------------------> DUT |
| 0:04:39.385552 | LOG | TX\_ACK: 02 f0dc 05 aa555a0000240409 |
| 0:04:44.256201 | LOG | PUSH\_ACK: 02 1734 01 |
| 0:04:44.258240 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1734, Identifier = 00, JSON = {'rxpk': [{'tmst': 2738374037, 'chan': 4, 'rfch': 1, 'freq': 903.1, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 9.0, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CZwUFB+CME1LPG+8='}]} |
| 0:04:44.258240 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0567, FOpts: 0507), FPort: e0, FRMPayload: 0203, MIC: 52cf1bef) |
| 0:04:44.258240 | LOG | Server <-------------------- DUT |
| 0:04:44.258240 | LOG | Test Echo service process starts |
| 0:04:48.624252 | LOG | PULL\_DATA: 02 a733 02 aa555a0000240409 |
| 0:04:48.624252 | LOG | PULL\_ACK: 02 a733 04 |
| 0:04:49.118311 | LOG | PUSH\_ACK: 02 1735 01 |
| 0:04:49.118311 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1735, Identifier = 00, JSON = {'rxpk': [{'tmst': 2743216557, 'chan': 1, 'rfch': 0, 'freq': 902.5, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.3, 'rssi': -48, 'size': 17, 'data': 'QO++rd6CaAUFB+Dnt6Dwl7I='}]} |
| 0:04:49.118311 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0568, FOpts: 0507), FPort: e0, FRMPayload: 0203, MIC: a0f097b2) |
| 0:04:49.118311 | LOG | Server <-------------------- DUT |
| 0:04:49.118311 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a81e, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8becba12) |
| 0:04:49.118311 | LOG | PULL\_RESP: Protocol version = 02, Token = 6116, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2745216557, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4AHqjgmVemmdCsDJZP/MAicGxkbHtYw44QuIMZeb/gb+7o81NowXI2repf9Cnu51qmfhts2B7jVRACHP2WWXTVL/88yJhTFdsHOzVIZIoyKfKY+qtGTytPdbjYSyauPljnMWbBXM7/2EtcppuF0ng7mravtCFKpBiSm5dmTLuhZ/m45CVDrqhg1Q8Kiha52TBhxnfgaLqHMei8jK9BzB+1nLohfYt4RbpFv7B5EuFm5/0TiDc+iMqwa7BmJ918ode+GqyciDWMsUHV/iLcURYc0KgkTadDSaHCHAeQ33pvzeleAG6okYV7FMUDgL6a3pU8jPuDFZ+Pi+y6Eg=='}} |
| 0:04:49.118311 | LOG | Server --------------------> DUT |
| 0:04:49.118311 | LOG | TX\_ACK: 02 6116 05 aa555a0000240409 |
| 0:04:49.328311 | LOG | Wrong FType received in the uplink. Ignoring the PUSH\_DATA |
| 0:04:49.328311 | LOG | Previous uplink Frame type (FType): 101 |
| 0:04:53.948738 | LOG | PUSH\_ACK: 02 1737 01 |
| 0:04:53.948738 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1737, Identifier = 00, JSON = {'rxpk': [{'tmst': 2748059197, 'chan': 3, 'rfch': 0, 'freq': 902.9, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CaQUFB+CcEK1d03k='}]} |
| 0:04:53.948738 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0569, FOpts: 0507), FPort: e0, FRMPayload: 0203, MIC: ad5dd379) |
| 0:04:53.948738 | LOG | Server <-------------------- DUT |
| 0:04:53.948738 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a81f, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: e70c7e14) |
| 0:04:53.948738 | LOG | PULL\_RESP: Protocol version = 02, Token = 9231, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2750059197, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4AH6jgSYVPMr5+8IAd6oluXwRGXhF64GzoiKUn1VVdf+bB6gpEgmSOhGlIJ+OqaXxg0HUGQ/drQ8rP9vDgEnqIFAgGv+torX6gGKXMVIVcd+9I7pHyYhjvBpbNadHE1H0NUeBvxhGoC90vYzRdvqrg25dDiLTgdLRV6XPmTUBiYjmSkANNmzuMe274955JijYZR+E1mvd9GG0QacpOFPSCbOY1dE2LzB+W2kYFc0AXA/VbacKgV6kNeO4buPLfYGACzw6Z7wbfetuD0pBbBcfFhfD407L/Cp9YA7/f5oGqk+ZDpcQukMAOqUpfIiKdEJ8LLQWx/f6/5wx+FA=='}} |
| 0:04:53.948738 | LOG | Server --------------------> DUT |
| 0:04:53.948738 | LOG | TX\_ACK: 02 9231 05 aa555a0000240409 |
| 0:04:58.656919 | LOG | PULL\_DATA: 02 385d 02 aa555a0000240409 |
| 0:04:58.656919 | LOG | PULL\_ACK: 02 385d 04 |
| 0:04:58.799174 | LOG | PUSH\_ACK: 02 1738 01 |
| 0:04:58.799174 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1738, Identifier = 00, JSON = {'rxpk': [{'tmst': 2752901837, 'chan': 2, 'rfch': 0, 'freq': 902.7, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 6.5, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CagUFB+Be89iv9vU='}]} |
| 0:04:58.799174 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 056a, FOpts: 0507), FPort: e0, FRMPayload: 0203, MIC: d8aff6f5) |
| 0:04:58.799174 | LOG | Server <-------------------- DUT |
| 0:04:58.799174 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a820, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 06928c33) |
| 0:04:58.799174 | LOG | PULL\_RESP: Protocol version = 02, Token = 413b, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2754901837, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4AIKjgVdcVDo8iCFrQCCBEbHELLV1/VfooCVX1iReHgD3qwtjIQOq06klGv6PsUQ3VejeJ4DU372l/3euAgV6wpjJmxvaQ9Jmd1zw96W2+gDGCw3bAE4dIqRoGf+DOnVnEptZ8ABZIzDZ/Jlja3f2KxWuw/EZa3SeFS5xpIXyZq/ssXHACRA6kFDOWN7PN/AoSvDkmZHi30gbRoeBGf7/RxRvNP+W1i+NBhZxfPa2qDdbbD7eDnVJW7vZ+4aSm6GE4H8/GD1KS6yJGODGKrAKNYghREyHlvVo9G5Lgp42Mb0bugpsHx/YztOvwYQ2WhwzRTTV3GElFBpKMMw=='}} |
| 0:04:58.799174 | LOG | Server --------------------> DUT |
| 0:04:58.799174 | LOG | TX\_ACK: 02 413b 05 aa555a0000240409 |
| 0:05:03.651355 | LOG | PUSH\_ACK: 02 1739 01 |
| 0:05:03.653441 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1739, Identifier = 00, JSON = {'rxpk': [{'tmst': 2757744421, 'chan': 0, 'rfch': 0, 'freq': 902.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 8.5, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CawUFB+Dq0LJPt5Q='}]} |
| 0:05:03.653441 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 056b, FOpts: 0507), FPort: e0, FRMPayload: 0203, MIC: b24fb794) |
| 0:05:03.653441 | LOG | Server <-------------------- DUT |
| 0:05:03.653441 | LOG | End Test Step: Uplink - Oversized Payload via Echo for datarate SF7BW125 |
| 0:05:03.653441 | LOG | Partial Verdict: PASS |
| 0:05:03.661509 | LOG | ========================================================= |
| 0:05:03.661509 | LOG | ========================================================= |
| 0:05:03.661509 | LOG | Start Test Step: Uplink - Oversized Payload via Echo for datarate SF8BW500 |
| 0:05:03.671454 | LOG | Send MAC command block process starts |
| 0:05:08.445058 | LOG | PUSH\_ACK: 02 173b 01 |
| 0:05:08.447090 | LOG | PUSH\_DATA: Protocol version = 02, Token = 173b, Identifier = 00, JSON = {'rxpk': [{'tmst': 2762587182, 'chan': 6, 'rfch': 1, 'freq': 903.3, 'stat': 1, 'modu': 'LORA', 'datr': 'SF7BW125', 'codr': '4/5', 'lsnr': 7.0, 'rssi': -49, 'size': 17, 'data': 'QO++rd6CbAUFB+CDJcUtQ9Y='}]} |
| 0:05:08.447090 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 056c, FOpts: 0507), FPort: e0, FRMPayload: 0203, MIC: c52d43d6) |
| 0:05:08.447090 | LOG | Server <-------------------- DUT |
| 0:05:08.447090 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a821, FOpts: ), FPort: 00, FRMPayload: 0345ff0001050a68e28c), MIC: 0376af42) |
| 0:05:08.447090 | LOG | PULL\_RESP: Protocol version = 02, Token = 90b6, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2763587182, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 926.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 23, 'data': 'YO++rd4AIagAcAeFJ+aHqP0IAwN2r0I='}} |
| 0:05:08.447090 | LOG | Server --------------------> DUT |
| 0:05:08.447090 | LOG | TX\_ACK: 02 90b6 05 aa555a0000240409 |
| 0:05:08.866647 | LOG | PULL\_DATA: 02 bbeb 02 aa555a0000240409 |
| 0:05:08.866647 | LOG | PULL\_ACK: 02 bbeb 04 |
| 0:05:13.243130 | LOG | PUSH\_ACK: 02 173c 01 |
| 0:05:13.245180 | LOG | PUSH\_DATA: Protocol version = 02, Token = 173c, Identifier = 00, JSON = {'rxpk': [{'tmst': 2767399616, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -54, 'size': 19, 'data': 'QO++rd6EbQUDBwUH4FJJ2zir8w=='}]} |
| 0:05:13.245180 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 84, FCnt: 056d, FOpts: 03070507), FPort: e0, FRMPayload: 0204, MIC: db38abf3) |
| 0:05:13.245180 | LOG | Server <-------------------- DUT |
| 0:05:13.245180 | LOG | FRMPayload field and FOpts field are present. MAC command shall be present in FOpts field |
| 0:05:13.245180 | LOG | Command Answer: 03070507 |
| 0:05:13.283226 | LOG | MAC command communication completed |
| 0:05:13.283226 | LOG | Test Echo service process starts |
| 0:05:18.099192 | LOG | PUSH\_ACK: 02 173d 01 |
| 0:05:18.101208 | LOG | PUSH\_DATA: Protocol version = 02, Token = 173d, Identifier = 00, JSON = {'rxpk': [{'tmst': 2772244454, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -54, 'size': 17, 'data': 'QO++rd6CbgUFB+DnoflbxeM='}]} |
| 0:05:18.101208 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 056e, FOpts: 0507), FPort: e0, FRMPayload: 0204, MIC: f95bc5e3) |
| 0:05:18.101208 | LOG | Server <-------------------- DUT |
| 0:05:18.101208 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a822, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 385cf807) |
| 0:05:18.101208 | LOG | PULL\_RESP: Protocol version = 02, Token = 03b3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2773244454, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4AIqjgDcjNGQJc3EfNgg1RRXQZJ7fpY2vy48cyYnjSN1t5sIjOWn+iPsZ9O0Ko6rzlvjIve54isuL58j21JHj8y1UxFbvNfr9edXj5Ooq/hbuwqpL3isb1zITYLMUY065APlX5X3bQy3Fcg54tp5+Lw2n8Newif3qclP9RjcBhnBL1j8pLbJeCZZSXKl+HAWD5w8ybXhuHQO7/ORQacOEtpqDvYVA/fV8KQtUXhzX4TE3nm2FZm6sLJT/Tw4CG7JltgdK5cwZKsLg6q7QkBYnwXyaVvPgifzQYMqXsszpwkubEXGScETx/HAv4aUmagGrPPXyrn51lOFz4Bw=='}} |
| 0:05:18.101208 | LOG | Server --------------------> DUT |
| 0:05:18.101208 | LOG | TX\_ACK: 02 03b3 05 aa555a0000240409 |
| 0:05:18.939180 | LOG | PULL\_DATA: 02 6fd7 02 aa555a0000240409 |
| 0:05:18.939180 | LOG | PULL\_ACK: 02 6fd7 04 |
| 0:05:22.944785 | LOG | PUSH\_ACK: 02 173e 01 |
| 0:05:22.946850 | LOG | PUSH\_DATA: Protocol version = 02, Token = 173e, Identifier = 00, JSON = {'rxpk': [{'tmst': 2777092196, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -54, 'size': 17, 'data': 'QO++rd6CbwUFB+DL3S1r2WQ='}]} |
| 0:05:22.946850 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 056f, FOpts: 0507), FPort: e0, FRMPayload: 0204, MIC: 2d6bd964) |
| 0:05:22.946850 | LOG | Server <-------------------- DUT |
| 0:05:22.946850 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a823, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 8ba59a90) |
| 0:05:22.946850 | LOG | PULL\_RESP: Protocol version = 02, Token = 2dd3, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2778092196, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4AI6jgwyk6AXGsVAxJLIi+BJlkRdj/ghLtiQhwNbXHS3TOIMT8+PtCLMj6RrUImlQd8dlZtx5GpA1q0gZGpvAiJJx8GLlyswiqnO0C+jrStMsBa3QoO3BSIfrOl6QnvkCcALRhUXcWYNk9Jof5cAIxkF4Vr31gmALpcciuAhU03RBVuP/y1L29pwv/HJc5D5F18k/zXlcfUgDHZtUzTeVDGWQink4ZMhYK3PsHXreVZVA3BSwoQkKLasLAm1UZ6Rs6w92W9KLrQxtNHupPf/tL95Fc1CcjweDaJncYeYB5ytk/rEDTDofmV8ZtnnXl3eJ7wyeXSEyJi6WakA=='}} |
| 0:05:22.946850 | LOG | Server --------------------> DUT |
| 0:05:22.946850 | LOG | TX\_ACK: 02 2dd3 05 aa555a0000240409 |
| 0:05:27.808700 | LOG | PUSH\_ACK: 02 173f 01 |
| 0:05:27.810830 | LOG | PUSH\_DATA: Protocol version = 02, Token = 173f, Identifier = 00, JSON = {'rxpk': [{'tmst': 2781939944, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 12.0, 'rssi': -56, 'size': 17, 'data': 'QO++rd6CcAUFB+AbhnFdAcc='}]} |
| 0:05:27.810830 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0570, FOpts: 0507), FPort: e0, FRMPayload: 0204, MIC: 715d01c7) |
| 0:05:27.810830 | LOG | Server <-------------------- DUT |
| 0:05:27.810830 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a824, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: d7186d14) |
| 0:05:27.810830 | LOG | PULL\_RESP: Protocol version = 02, Token = a144, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2782939944, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4AJKjgk5LjGEztXIe+GlKMDCBDbd0u0sdYQxfnIIOXpXYZYGOs6882T4VlaTDLbm4Z40c+BsC89wuojlvTTOsKFfYgi2Kxy8pJUNh73DiRm+CbBaLYeEQLBMaE8IkAyCiUdRzjGvlkgAZzsYXzqsZf2uV23e5jzdLAEIP55F/me7Y/7wHepQFfH5e95vXvnxFCGiNteOmIMK7xKwmqpXimHYROEvzNXPr+kQMxJ6f8SVMoaP0YUtUmiRPxXEOAcIqWA3YMaEpn9CG20NmpGwkJe9oVM6ewnA9p3pZmnP3tfNthJcrziQQUAnOv4d751kBV50GBOMT+1xhtFA=='}} |
| 0:05:27.810830 | LOG | Server --------------------> DUT |
| 0:05:27.810830 | LOG | TX\_ACK: 02 a144 05 aa555a0000240409 |
| 0:05:29.068835 | LOG | PULL\_DATA: 02 3509 02 aa555a0000240409 |
| 0:05:29.068835 | LOG | PULL\_ACK: 02 3509 04 |
| 0:05:32.624922 | LOG | PUSH\_ACK: 02 1740 01 |
| 0:05:32.624922 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1740, Identifier = 00, JSON = {'rxpk': [{'tmst': 2786787682, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.5, 'rssi': -52, 'size': 17, 'data': 'QO++rd6CcQUFB+C7ACWrxSQ='}]} |
| 0:05:32.624922 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0571, FOpts: 0507), FPort: e0, FRMPayload: 0204, MIC: 25abc524) |
| 0:05:32.624922 | LOG | Server <-------------------- DUT |
| 0:05:32.634922 | LOG | Test Echo service process starts |
| 0:05:37.481342 | LOG | PUSH\_ACK: 02 1741 01 |
| 0:05:37.483433 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1741, Identifier = 00, JSON = {'rxpk': [{'tmst': 2791635418, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 7.8, 'rssi': -52, 'size': 17, 'data': 'QO++rd6CcgUFB+Bi1YpZaYM='}]} |
| 0:05:37.483433 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0572, FOpts: 0507), FPort: e0, FRMPayload: 0204, MIC: 8a596983) |
| 0:05:37.483433 | LOG | Server <-------------------- DUT |
| 0:05:37.483433 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a825, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 6a42fa02) |
| 0:05:37.483433 | LOG | PULL\_RESP: Protocol version = 02, Token = 6983, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2793635418, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4AJajg2KAAiQRMWL3RLxCDg2IXuS0LfBhYmgIhPQuWpiAs6TOvdS2k+LsGTAcys0NeL6H09/fXWNmCLkNt9f+8mZ1IXF3+iJ7MVGhLFoOWivV+b9Z0UQtJ3SnNrdJEoZN3MK5UCwciBARBLJlvAeywfVBwUsH/emqBbLqcj7yTfsTSZJ4cawWDxMAjT6Ua9bXuJm9rkMwUG/A6U2DVJi/l28RznsJmql6t7qHlvL/GBo/A5thxudZhTLadojKhVQjhPL80qwC4QtE812g3R1VFtc74hTQnNenn2hPjv2QvfskZ66y9VrjNsvClTQN/h04j7HAq6t+HakL6Ag=='}} |
| 0:05:37.483433 | LOG | Server --------------------> DUT |
| 0:05:37.483433 | LOG | TX\_ACK: 02 6983 05 aa555a0000240409 |
| 0:05:39.140925 | LOG | PULL\_DATA: 02 b857 02 aa555a0000240409 |
| 0:05:39.140925 | LOG | PULL\_ACK: 02 b857 04 |
| 0:05:42.391430 | LOG | PUSH\_ACK: 02 1743 01 |
| 0:05:42.391430 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1743, Identifier = 00, JSON = {'rxpk': [{'tmst': 2796483166, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -56, 'size': 17, 'data': 'QO++rd6CcwUFB+A6fVLBsHU='}]} |
| 0:05:42.391430 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0573, FOpts: 0507), FPort: e0, FRMPayload: 0204, MIC: 52c1b075) |
| 0:05:42.391430 | LOG | Server <-------------------- DUT |
| 0:05:42.391430 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a826, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1cb7c571) |
| 0:05:42.391430 | LOG | PULL\_RESP: Protocol version = 02, Token = 006c, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2798483166, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4AJqjgfAURDJiFesNdTG9O/y9haCsph7OIgKifISUSNak8NY0/rEDjNiO8B21whemn0uNu3079jMgSso2iGu1fG1Q3gXLziLo4wuwRQ0kOFwtIKpBoKDy1Sf3XFv2PIpJeY/lR9Zah5dxWro06kqT/2OxrT/yhnLOmSjPEH9olp/NgoaO4Rm0TQYK74HLYpFPziSwfXU3q9HIDUsSi2ISt6WPlm3uLoGc25QXh3ZfURDhhKdf+itdJOD8n5BaTZvmlV/FPuDiR9wLCXDMyt7B/eTr3UD71Lf70U9+YjJ+dAfm9DTvlONuIkbIP3kt5ZGJbqgOB/bjGHLfFcQ=='}} |
| 0:05:42.391430 | LOG | Server --------------------> DUT |
| 0:05:42.391430 | LOG | TX\_ACK: 02 006c 05 aa555a0000240409 |
| 0:05:47.220768 | LOG | PUSH\_ACK: 02 1744 01 |
| 0:05:47.220768 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1744, Identifier = 00, JSON = {'rxpk': [{'tmst': 2801330914, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.8, 'rssi': -50, 'size': 17, 'data': 'QO++rd6CdAUFB+CmdkkTQfI='}]} |
| 0:05:47.220768 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0574, FOpts: 0507), FPort: e0, FRMPayload: 0204, MIC: 491341f2) |
| 0:05:47.220768 | LOG | Server <-------------------- DUT |
| 0:05:47.220768 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a827, FOpts: ), FPort: e0, FRMPayload: 040101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101), MIC: 1bf50103) |
| 0:05:47.220768 | LOG | PULL\_RESP: Protocol version = 02, Token = 6929, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2803330914, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF10BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 256, 'data': 'YO++rd4AJ6jgWHd6W1RsdFkaK2X+x5nNvRKatUV9zQWDlMga7UWejatu4VBf339OxL9gE9ZMDzOgwuNn47R2iwJRRftk1IOuD+L1EwvOKIAbla1zWv43FrHZV6vWEdvpyIch1GHywOmf4wP5mTkz4bvMlwzFuuPflxBCOArvt08tuUiV/qdr+Bma4B9KYb+kL+GDKFgTmyuWphynBD8uZ0tQfPr118ASjFXTVEhCtQD+s5ADz77vO3vy1CjyXV4p9Ty7XNUERiJqPNh6MWMT/jZY/I/xIJVmaJTbflJKFWrBG5aYMNGOV/O3cZ+YFPEll4IRkybukrb4PUT9G/UBAw=='}} |
| 0:05:47.220768 | LOG | Server --------------------> DUT |
| 0:05:47.220768 | LOG | TX\_ACK: 02 6929 05 aa555a0000240409 |
| 0:05:49.289179 | LOG | PULL\_DATA: 02 e6a4 02 aa555a0000240409 |
| 0:05:49.289179 | LOG | PULL\_ACK: 02 e6a4 04 |
| 0:05:52.066369 | LOG | PUSH\_ACK: 02 1745 01 |
| 0:05:52.066369 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1745, Identifier = 00, JSON = {'rxpk': [{'tmst': 2806178636, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 4.8, 'rssi': -45, 'size': 17, 'data': 'QO++rd6CdQUFB+AdaR5PVf4='}]} |
| 0:05:52.069275 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0575, FOpts: 0507), FPort: e0, FRMPayload: 0204, MIC: 1e4f55fe) |
| 0:05:52.069275 | LOG | Server <-------------------- DUT |
| 0:05:52.069275 | LOG | End Test Step: Uplink - Oversized Payload via Echo for datarate SF8BW500 |
| 0:05:52.077324 | LOG | Partial Verdict: PASS |
| 0:05:52.077324 | LOG | ========================================================= |
| 0:05:52.077324 | LOG | ========================================================= |
| 0:05:52.077324 | LOG | Start Test Step: Uplink - Retransmit Max Payload after DR Decay |
| 0:05:52.087289 | LOG | End Test Step: Uplink - Retransmit Max Payload after DR Decay |
| 0:05:52.087289 | LOG | TEST STEP NOT APPLICABLE |
| 0:05:52.087289 | LOG | ========================================================= |
| 0:05:52.087289 | LOG | ========================================================= |
| 0:05:52.097289 | LOG | Start Test Step: Test mode deactivation |
| 0:05:52.097289 | LOG | Test Mode deactivation process starts |
| 0:05:56.948233 | LOG | PUSH\_ACK: 02 1746 01 |
| 0:05:56.948233 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1746, Identifier = 00, JSON = {'rxpk': [{'tmst': 2811026370, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 9.3, 'rssi': -46, 'size': 17, 'data': 'QO++rd6CdgUFB+AGvOg6U5Q='}]} |
| 0:05:56.951096 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 82, FCnt: 0576, FOpts: 0507), FPort: e0, FRMPayload: 0204, MIC: e83a5394) |
| 0:05:56.951096 | LOG | Server <-------------------- DUT |
| 0:05:56.951096 | LOG | PHYPayload: (MHDR: 60, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 00, FCnt: a828, FOpts: ), FPort: e0, FRMPayload: 00), MIC: 978cc79c) |
| 0:05:56.951096 | LOG | PULL\_RESP: Protocol version = 02, Token = 3f08, Identifier = 03, JSON = {'txpk': {'imme': False, 'tmst': 2812026370, 'rfch': 0, 'powe': 21, 'ipol': True, 'datr': 'SF7BW500', 'freq': 923.3, 'modu': 'LORA', 'codr': '4/5', 'prea': 8, 'ncrc': True, 'size': 14, 'data': 'YO++rd4AKKjg7JeMx5w='}} |
| 0:05:56.951096 | LOG | Server --------------------> DUT |
| 0:05:56.951096 | LOG | TX\_ACK: 02 3f08 05 aa555a0000240409 |
| 0:05:59.429764 | LOG | PULL\_DATA: 02 19dc 02 aa555a0000240409 |
| 0:05:59.429764 | LOG | PULL\_ACK: 02 19dc 04 |
| 0:06:09.647277 | LOG | PULL\_DATA: 02 a1d8 02 aa555a0000240409 |
| 0:06:09.647277 | LOG | PULL\_ACK: 02 a1d8 04 |
| 0:06:12.782358 | LOG | PUSH\_ACK: 02 1748 01 |
| 0:06:12.782358 | LOG | PUSH\_DATA: Protocol version = 02, Token = 1748, Identifier = 00, JSON = {'rxpk': [{'tmst': 2826887521, 'chan': 8, 'rfch': 0, 'freq': 903.0, 'stat': 1, 'modu': 'LORA', 'datr': 'SF8BW500', 'codr': '4/5', 'lsnr': 10.3, 'rssi': -50, 'size': 18, 'data': 'QO++rd6AdwUCA/1vQYZippSW'}]} |
| 0:06:12.782358 | LOG | DATA: (MHDR: 40, MACPayload: (FHDR: (DevAddr: efbeadde, FCtrl: 80, FCnt: 0577, FOpts: ), FPort: 02, FRMPayload: 7465737465, MIC: 62a69496) |
| 0:06:12.782358 | LOG | Server <-------------------- DUT |
| 0:06:12.782358 | LOG | Test Mode has been disabled successfully |
| 0:06:12.782358 | LOG | End Test Step: Test mode deactivation |
| 0:06:12.792358 | LOG | Partial Verdict: PASS |
| 0:06:12.792358 | LOG | ========================================================= |
| 0:06:12.792358 | LOG | End Test Case: TP\_A\_US915\_ED\_MAC\_BV\_017 |
| 0:06:12.792358 | LOG | Final Verdict: PASS |

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| Appendix B – ICS |

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| NAME | VALUE |
| DUT is a Class A Device (All End Devices) | TRUE |
| DUT works in USA 915MHz ISM Band | TRUE |
| DUT supports Adaptive Data Rate (ADR) feature | TRUE |
| DUT implements LoRaWAN v1.0.2rB certification requirements | TRUE |

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| Appendix C – IXIT |

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| NAME | VALUE |
| Minimum transmission power | 10 |
| Maximum transmission power | 20 |
| End-device identifier (DevEUI) | '0000000000000000'O |
| End-device Address asigned during activation (DevAddr) | '00000000'O |
| Maximum number of uplinks re-transmission | 1 |
| Frame counter size | 32 |
| Application session key (AppSKey) | '11111111111111111111111111111111'O |
| Network session key (NwkSKey) | '11111111111111111111111111111111'O |
| Application key (AppKey) | '00000000000000000000000000000000'O |
| Application identifier (AppEUI) | '1111111111111111'O |
| End-device Address (DevAddr) | 'efbeadde'O |

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| Appendix D – General Parameters |

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| NAME | VALUE |
| Gateway model | Semtech |
| IN865 RECEIVE\_DELAY1 (s) | 1.0 |
| IN865 RECEIVE\_DELAY2 (s) | 2.0 |
| IN865 JOIN\_ACCEPT\_DELAY1 (s) | 5.0 |
| IN865 JOIN\_ACCEPT\_DELAY2 (s) | 6.0 |
| IN865 RX2 Receive window DR | SF10BW125 |
| IN865 RX2 Receive window frequency | 866.550 |
| Verbosity level for Logs | TRUE |
| EU868 Beacon DR | SF9BW125 |
| EU868 Beacon default frequency | 869.525 |
| EU868 Class B default pingSlot frequency | 869.525 |
| AS923 Beacon DR | SF9BW125 |
| AS923 Beacon default frequency | 923.4 |
| AS923 Class B default pingSlot frequency | 923.4 |
| US915 RX2 Receive window DR | SF12BW500 |
| General Timer | 90 |
| KR920 RECEIVE\_DELAY1 (s) | 1.0 |
| KR920 RECEIVE\_DELAY2 (s) | 2.0 |
| KR920 JOIN\_ACCEPT\_DELAY1(s) | 5.0 |
| KR920 JOIN\_ACCEPT\_DELAY2(s) | 6.0 |
| KR920 RX2 Receive window frequency | 921.9 |
| KR920 RX2 Receive window DR | SF12BW125 |
| AS923 RECEIVE\_DELAY1 (s) | 1.0 |
| AS923 RECEIVE\_DELAY2 (s) | 2.0 |
| AS923 JOIN\_ACCEPT\_DELAY1 (s) | 5.0 |
| AS923 JOIN\_ACCEPT\_DELAY2 (s) | 6.0 |
| AS923 RX2 Receive window DR | SF10BW125 |
| AS923 RX2 Receive window frequency | 923.2 |
| Network Server IP Address | localhost |
| Gateway IP Address | localhost |
| Gateway socket port | 1780 |
| Default Tx Power (dBm) | 21 |
| Default Tx Antenna | 0 |
| EU868 RECEIVE\_DELAY1 (s) | 1.0 |
| EU868 RECEIVE\_DELAY2 (s) | 2.0 |
| EU868 JOIN\_ACCEPT\_DELAY1 (s) | 5.0 |
| EU868 JOIN\_ACCEPT\_DELAY2(s) | 6.0 |
| EU868 RX2 Receive window frequency | 869.525 |
| EU868 RX2 Receive window DR | SF12BW125 |
| US915 RECEIVE\_DELAY1 (s) | 1.0 |
| US915 RECEIVE\_DELAY2 (s) | 2.0 |
| US915 JOIN\_ACCEPT\_DELAY1(s) | 5.0 |
| US915 JOIN\_ACCEPT\_DELAY2(s) | 6.0 |
| US915 RX2 Receive window frequency | 923.3 |
| General frequency offset applied that defines the AS923 country | 0 |
| Number of supported channels in Gateway | 8 |
| RU864 RECEIVE\_DELAY1 (s) | 1.0 |
| RU864 RECEIVE\_DELAY2 (s) | 2.0 |
| RU864 JOIN\_ACCEPT\_DELAY1 (s) | 5.0 |
| RU864 JOIN\_ACCEPT\_DELAY2(s) | 6.0 |
| RU864 RX2 Receive window frequency | 869.1 |
| RU864 RX2 Receive window DR | SF12BW125 |
| AU915 RECEIVE\_DELAY1 (s) | 1.0 |
| AU915 RECEIVE\_DELAY2 (s) | 2.0 |
| AU915 JOIN\_ACCEPT\_DELAY1(s) | 5.0 |
| AU915 JOIN\_ACCEPT\_DELAY2(s) | 6.0 |
| AU915 RX2 Receive window frequency | 923.3 |
| AU915 RX2 Receive window DR | SF12BW500 |
| EU868 pingSlot DR | SF9BW125 |
| AS923 pingSlot DR | SF9BW125 |
| US915 Beacon DR | SF12BW500 |
| US915 Beacon default frequency | 923.3 |
| US915 Class B default pingSlot frequency | 923.3 |
| US915 pingSlot DR | SF12BW500 |
| KR920 Beacon DR | SF9BW125 |
| KR920 Beacon default frequency | 923.1 |
| KR920 Class B default pingSlot frequency | 923.1 |
| KR920 pingSlot DR | SF9BW125 |
| IN865 Beacon DR | SF8BW125 |
| IN865 Beacon default frequency | 866.550 |
| IN865 Class B default pingSlot frequency | 866.550 |
| IN865 pingSlot DR | SF8BW125 |
| RU864 Beacon DR | SF9BW125 |
| RU864 Beacon default frequency | 869.1 |
| RU864 Class B default pingSlot frequency | 868.9 |
| RU864 pingSlot DR | SF9BW125 |
| AU915 Beacon DR | SF12BW500 |
| AU915 Beacon default frequency | 923.3 |
| AU915 Class B default pingSlot frequency | 923.3 |
| AU915 pingSlot DR | SF12BW500 |
| EU868 Class C Response Timeout | 8.0 |
| KR920 Class C Response Timeout | 8.0 |
| US915 Class C Response Timeout | 8.0 |
| IN865 Class C Response Timeout | 8.0 |
| RU864 Class C Response Timeout | 8.0 |
| AU915 Class C Response Timeout | 8.0 |
| AS923 Class C Response Timeout | 8.0 |

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| Appendix E – Photographs |