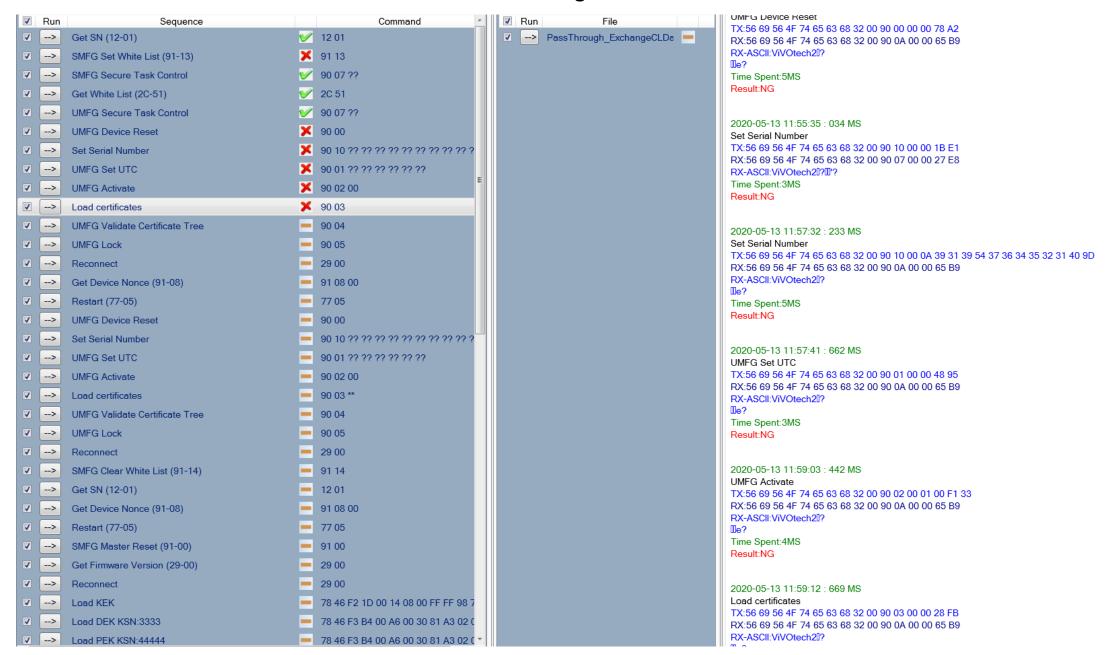
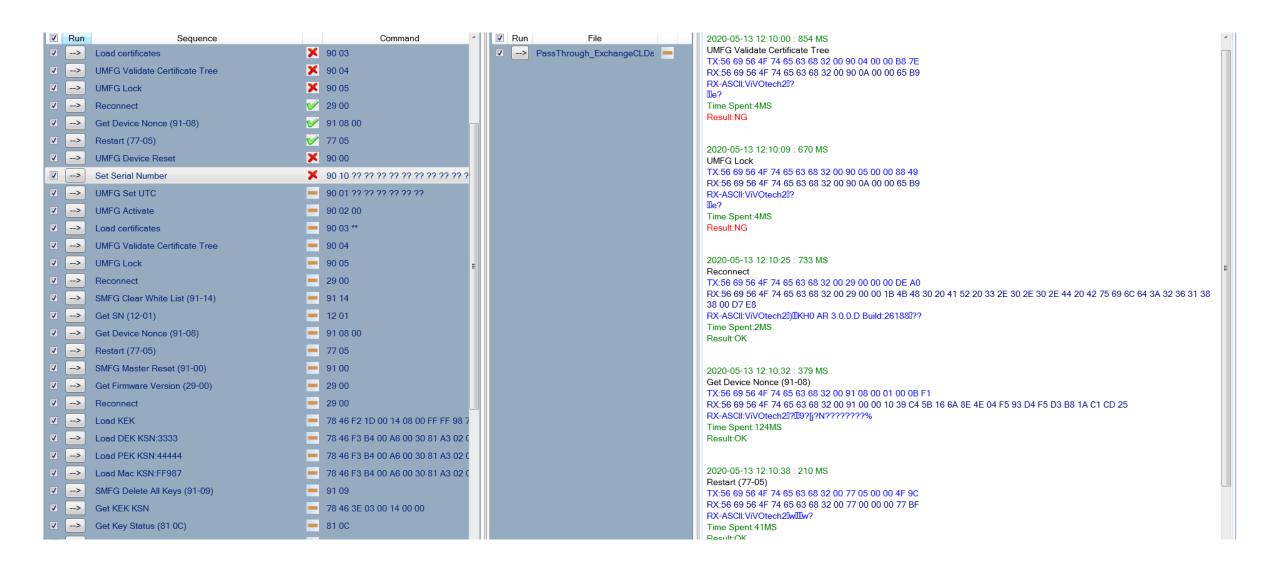
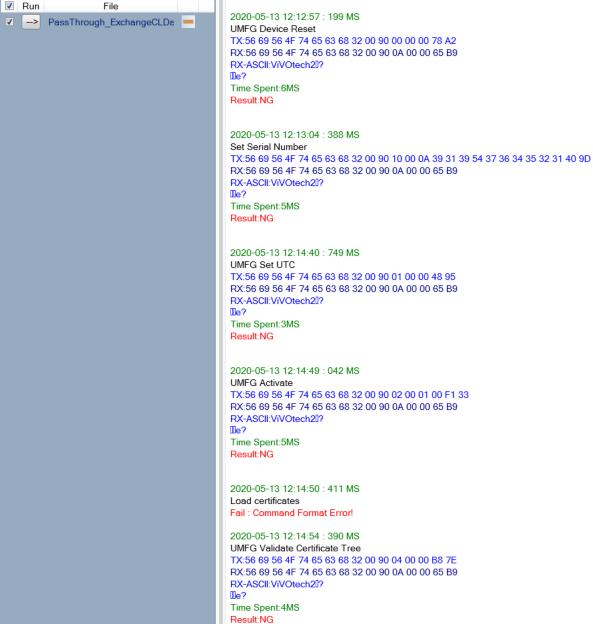
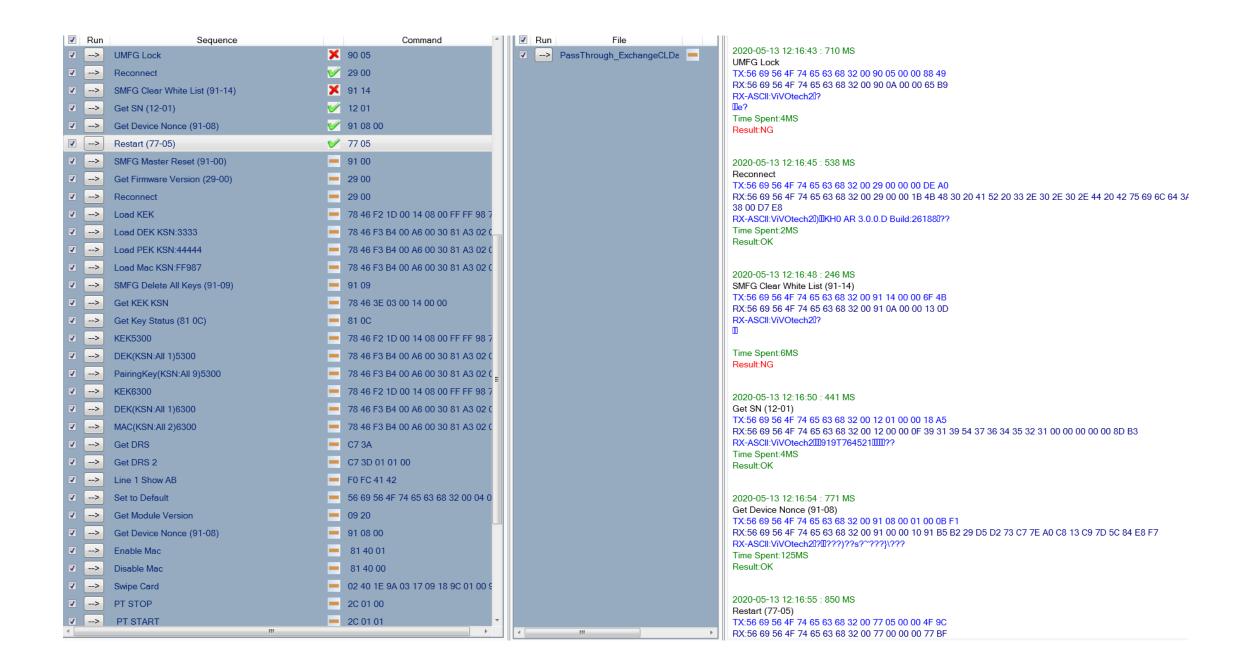
## Secure Passthrough Tab











| V        | Run | Sequence                     |          | Command                               | A |  |
|----------|-----|------------------------------|----------|---------------------------------------|---|--|
| <b>V</b> | >   | SMFG Master Reset (91-00)    | ×        | 91 00                                 |   |  |
| <b>✓</b> | >   | Get Firmware Version (29-00) | <b>✓</b> | 29 00                                 |   |  |
| <b>✓</b> | >   | Reconnect                    | V        | 29 00                                 |   |  |
| <b>✓</b> | >   | Load KEK                     | ×        | 78 46 F2 1D 00 14 08 00 FF FF 98 7    |   |  |
| <b>V</b> | >   | Load DEK KSN:3333            | <b>V</b> | 78 46 F3 B4 00 A6 00 30 81 A3 02 0    |   |  |
| <b>V</b> | >   | Load PEK KSN:44444           | <b>V</b> | 78 46 F3 B4 00 A6 00 30 81 A3 02 0    |   |  |
| <b>V</b> | >   | Load Mac KSN:FF987           | V        | 78 46 F3 B4 00 A6 00 30 81 A3 02 0    |   |  |
| V        | >   | SMFG Delete All Keys (91-09) | ×        | 91 09                                 |   |  |
| <b>V</b> | >   | Get KEK KSN                  | V        | 78 46 3E 03 00 14 00 00               |   |  |
| <b>V</b> | >   | Get Key Status (81 0C)       | V        | 81 0C                                 |   |  |
| <b>V</b> | >   | KEK5300                      | ×        | 78 46 F2 1D 00 14 08 00 FF FF 98 7    |   |  |
| <b>V</b> | >   | DEK(KSN:All 1)5300           | V        | 78 46 F3 B4 00 A6 00 30 81 A3 02 0    |   |  |
| <b>V</b> | >   | PairingKey(KSN:All 9)5300    | V        | 78 46 F3 B4 00 A6 00 30 81 A3 02 0    |   |  |
| <b>V</b> | >   | KEK6300                      | ×        | 78 46 F2 1D 00 14 08 00 FF FF 98 7    |   |  |
| <b>✓</b> | >   | DEK(KSN:All 1)6300           | V        | 78 46 F3 B4 00 A6 00 30 81 A3 02 0    |   |  |
| <b>✓</b> | >   | MAC(KSN:All 2)6300           | <b>V</b> | 78 46 F3 B4 00 A6 00 30 81 A3 02 0    |   |  |
| <b>✓</b> | >   | Get DRS                      | V        | C7 3A                                 |   |  |
| <b>✓</b> | >   | Get DRS 2                    | V        | C7 3D 01 01 00                        |   |  |
| <b>✓</b> | >   | Line 1 Show AB               | <b>V</b> | F0 FC 41 42                           |   |  |
| <b>V</b> | >   | Set to Default               |          | 56 69 56 4F 74 65 63 68 32 00 04 0    |   |  |
| <b>V</b> | >   | Get Module Version           |          | 09 20                                 |   |  |
| <b>V</b> | >   | Get Device Nonce (91-08)     |          | 91 08 00                              | = |  |
| <b>✓</b> | >   | Enable Mac                   |          | 81 40 01                              |   |  |
| <b>✓</b> | >   | Disable Mac                  | -        | 81 40 00                              |   |  |
| <b>✓</b> | >   | Swipe Card                   |          | 02 40 1E 9A 03 17 09 18 9C 01 00 9    |   |  |
| <b>✓</b> | >   | PT STOP                      |          | 2C 01 00                              |   |  |
| <b>✓</b> | >   | PT START                     |          | 2C 01 01                              |   |  |
| <b>V</b> | >   | E P4T 01                     |          | Present a qVSDC card with first scrip |   |  |
| <b>V</b> | >   | PPSE                         |          | 56 69 56 4F 74 65 63 68 32 00 2C 1    |   |  |
| <b>V</b> | >   | Select AID                   |          | 56 69 56 4F 74 65 63 68 32 00 2C 1    |   |  |



2020-05-13 12:24:33 : 142 MS SMFG Master Reset (91-00) TX:56 69 56 4F 74 65 63 68 32 00 91 00 00 00 CC D4 RX:56 69 56 4F 74 65 63 68 32 00 91 0A 00 00 13 0D RX-ASCII:ViVOtech20? Time Spent:4MS Result:NG 2020-05-13 12:24:35 : 572 MS Load KEK TX:02 22 00 78 46 F2 1D 00 14 08 00 FF FF 98 76 54 32 10 10 10 00 B5 24 7E 9F F0 46 D6 AA 5B E9 C9 04 00 70 05 27 C2 04 03 RX:02 06 00 15 90 57 78 46 F2 1E AC 03 RX-ASCII: 17WxF?? Time Spent: 100MS Result:NG 2020-05-13 12:24:37 : 190 MS SMFG Delete All Keys (91-09) TX:56 69 56 4F 74 65 63 68 32 00 91 09 00 00 5D 4A RX:56 69 56 4F 74 65 63 68 32 00 91 0A 00 00 13 0D RX-ASCII:ViVOtech20? Time Spent:4MS Result:NG 2020-05-13 12:24:38 : 645 MS KEK5300 TX:02 22 00 78 46 F2 1D 00 14 08 00 FF FF 98 76 54 32 10 10 10 00 B5 24 7E 9F F0 46 D6 AA 5B E9 C9 04 00 70 05 27 C2 04 03 RX:02 06 00 15 90 57 78 46 F2 1E AC 03 RX-ASCII: 17 WxF?? Time Spent:100MS Result:NG 2020-05-13 12:24:39 : 673 MS

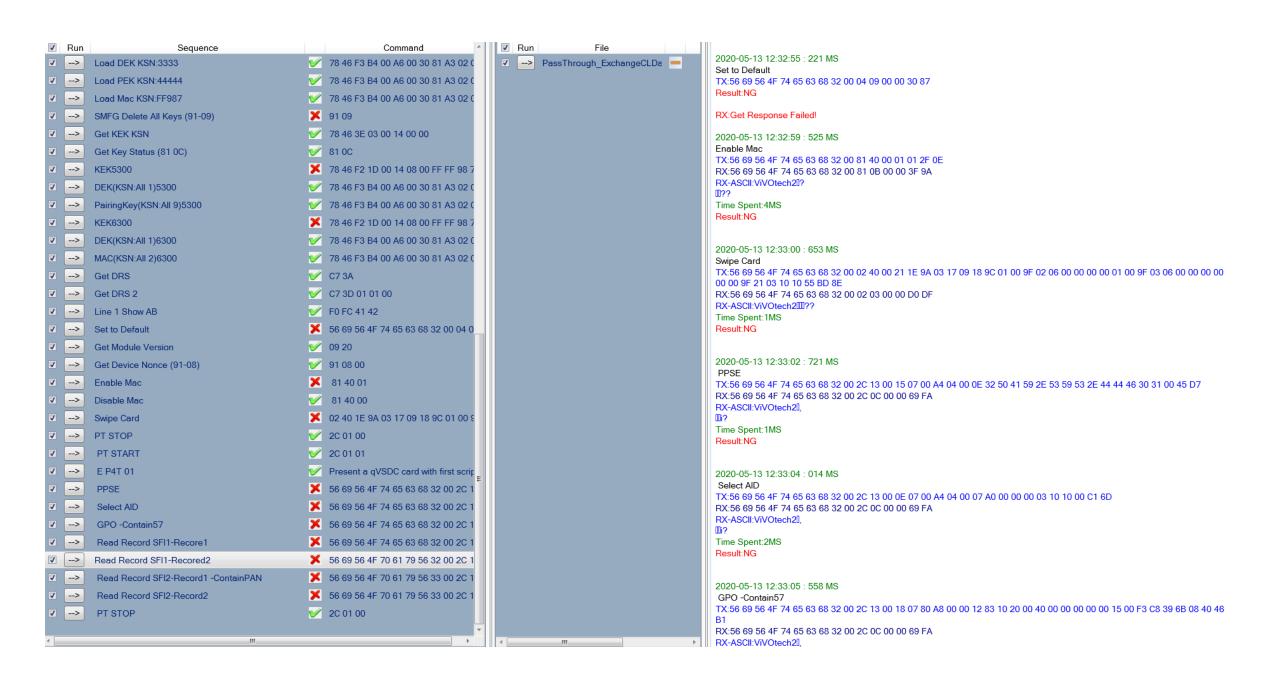
KEK6300

TX:02 22 00 78 46 F2 1D 00 14 08 00 FF FF 98 76 54 32 10 10 10 00 B5 24 7E 9F F0 46 D6 AA 5B E9 C9 04 00 70 05 27 C2 04 03 RX:02 06 00 15 90 57 78 46 F2 1E AC 03

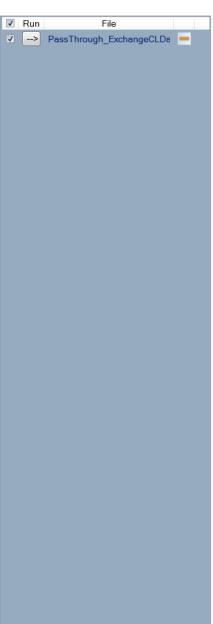
RX-ASCII:1]?WxF??

Time Spent: 100MS

Result:NG



| J        | Run | Sequence                             |          | Command                               |
|----------|-----|--------------------------------------|----------|---------------------------------------|
| <b>y</b> | >   | Load DEK KSN:3333                    | <b>✓</b> | 78 46 F3 B4 00 A6 00 30 81 A3 02 0    |
| <b>/</b> | >   | Load PEK KSN:44444                   | <b>✓</b> | 78 46 F3 B4 00 A6 00 30 81 A3 02 0    |
| <b>y</b> | >   | Load Mac KSN:FF987                   | <b>✓</b> | 78 46 F3 B4 00 A6 00 30 81 A3 02 0    |
| <b>y</b> | >   | SMFG Delete All Keys (91-09)         | ×        | 91 09                                 |
| <b>7</b> | >   | Get KEK KSN                          | ✓        | 78 46 3E 03 00 14 00 00               |
| <b>7</b> | >   | Get Key Status (81 0C)               | V        | 81 0C                                 |
| <b>y</b> | >   | KEK5300                              | ×        | 78 46 F2 1D 00 14 08 00 FF FF 98 7    |
| <b>7</b> | >   | DEK(KSN:All 1)5300                   | <b>✓</b> | 78 46 F3 B4 00 A6 00 30 81 A3 02 0    |
| /        | >   | PairingKey(KSN:All 9)5300            | V        | 78 46 F3 B4 00 A6 00 30 81 A3 02 0    |
| 7        | >   | KEK6300                              | ×        | 78 46 F2 1D 00 14 08 00 FF FF 98 7    |
| <b>7</b> | >   | DEK(KSN:All 1)6300                   | V        | 78 46 F3 B4 00 A6 00 30 81 A3 02 0    |
| 7        | >   | MAC(KSN:All 2)6300                   | <b>✓</b> | 78 46 F3 B4 00 A6 00 30 81 A3 02 0    |
| <b>7</b> | >   | Get DRS                              | <b>✓</b> | C7 3A                                 |
| 7        | >   | Get DRS 2                            | <b>✓</b> | C7 3D 01 01 00                        |
| 7        | >   | Line 1 Show AB                       | V        | F0 FC 41 42                           |
| 7        | >   | Set to Default                       | ×        | 56 69 56 4F 74 65 63 68 32 00 04 0    |
| 7        | >   | Get Module Version                   | <b>✓</b> | 09 20                                 |
| <b>7</b> | >   | Get Device Nonce (91-08)             | <b>✓</b> | 91 08 00                              |
| 7        | >   | Enable Mac                           | ×        | 81 40 01                              |
| 7        | >   | Disable Mac                          | V        | 81 40 00                              |
| <b>v</b> | >   | Swipe Card                           | ×        | 02 40 1E 9A 03 17 09 18 9C 01 00 9    |
| 7        | >   | PT STOP                              | <b>✓</b> | 2C 01 00                              |
| 7        | >   | PT START                             | <b>✓</b> | 2C 01 01                              |
| /        | >   | E P4T 01                             | ✓        | Present a qVSDC card with first scrip |
| /        | >   | PPSE                                 | ×        | 56 69 56 4F 74 65 63 68 32 00 2C 1    |
| /        | >   | Select AID                           | ×        | 56 69 56 4F 74 65 63 68 32 00 2C 1    |
| /        | >   | GPO -Contain57                       | ×        | 56 69 56 4F 74 65 63 68 32 00 2C 1    |
| <b>7</b> | >   | Read Record SFI1-Recore1             | ×        | 56 69 56 4F 74 65 63 68 32 00 2C 1    |
| <b>7</b> | >   | Read Record SFI1-Recored2            | ×        | 56 69 56 4F 70 61 79 56 32 00 2C 1    |
| /        | >   | Read Record SFI2-Record1 -ContainPAN | ×        | 56 69 56 4F 70 61 79 56 33 00 2C 1    |
| /        | >   | Read Record SFI2-Record2             | ×        | 56 69 56 4F 70 61 79 56 33 00 2C 1    |
| <b>/</b> | >   | PT STOP                              | <b>✓</b> | 2C 01 00                              |



2020-05-13 12:33:05 : 558 MS GPO -Contain57 TX:56 69 56 4F 74 65 63 68 32 00 2C 13 00 18 07 80 A8 00 00 12 83 10 20 00 40 00 00 00 00 15 00 F3 C8 39 6B 08 40 46 RX:56 69 56 4F 74 65 63 68 32 00 2C 0C 00 00 69 FA RX-ASCII:ViVOtech20, Time Spent:1MS Result:NG 2020-05-13 12:33:08 : 312 MS Read Record SFI1-Recore1 TX:56 69 56 4F 74 65 63 68 32 00 2C 13 00 06 07 00 B2 01 0C 00 28 A2 RX:56 69 56 4F 74 65 63 68 32 00 2C 0C 00 00 69 FA RX-ASCII:ViVOtech21, IIi? Time Spent:2MS Result:NG 2020-05-13 12:33:10:093 MS Read Record SFI1-Recored2 TX:56 69 56 4F 70 61 79 56 32 00 2C 13 00 06 07 00 B2 02 0C 00 DE 87 RX:Get Response Failed! 2020-05-13 12:33:11:054 MS Read Record SFI2-Record1 -ContainPAN TX:56 69 56 4F 70 61 79 56 33 00 2C 13 00 06 07 00 B2 01 14 00 54 54 RX:56 69 56 4F 74 65 63 68 32 00 2C 0C 00 00 69 FA RX-ASCII:ViVOtech20, IIi? Time Spent:960MS Result:NG 2020-05-13 12:33:12:850 MS Read Record SFI2-Record2 TX:56 69 56 4F 70 61 79 56 33 00 2C 13 00 06 07 00 B2 02 14 00 04 0D RX:56 69 56 4F 70 61 79 56 33 00 2C 13 0C 00 00 9D 1F RX-ASCII:ViVOpayV3I, Time Spent: 2MS Result:NG 2020-05-13 12:33:14 : 501 MS Read Record SFI1-Recored2 TX:56 69 56 4F 70 61 79 56 32 00 2C 13 00 06 07 00 B2 02 0C 00 DE 87

Result:NG

RX:Get Response Failed!