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FCC RADIO TEST REPORT

| Applicant's company | Mojo Networks, Inc. |
|------------------------|--|
| Applicant Address | 339 N. Bernardo Avenue, Suite #200, Mountain View, CA USA |
| FCC ID | TOR-C75 |
| Manufacturer's company | Lite-On Network Communication (Dongguan) Limited |
| Manufacturer Address | 30#Keji Rd., Yin Hu Industrial Area, Qingxi Town, DongGuan City, Guangdong, China |

| Product Name | AirTight Access Point |
|------------------|---------------------------------------|
| Brand Name | MOJO, WatchGuard |
| Model No. | C-75, C-75-E, AP320 |
| Test Rule | 47 CFR FCC Part 15 Subpart C § 15.247 |
| Test Freq. Range | 2400 ~ 2483.5MHz |
| Received Date | Jan. 10, 2014 |
| Final Test Date | Jun. 03, 2016 |
| Submission Type | Class II Change |

Statement

Test result included in this report is for the IEEE 802.11n and IEEE 802.11b/g of the product.

The test result in this report refers exclusively to the presented test model / sample.

Without written approval of SPORTON International Inc., the test report shall not be reproduced except in full

The measurements and test results shown in this test report were made in accordance with the procedures and found in compliance with the limit given in ANSI C63.10-2013, 47 CFR FCC Part 15 Subpart C, KDB558074 D01 v03r05 and KDB 662911 D01 v02r01.

The test equipment used to perform the test is calibrated and traceable to NML/ROC.







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History of This Test Report

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|---------------|---------|-------------------------|---------------|
| FR411023-08AA | Rev. 01 | Initial issue of report | Jul. 26, 2016 |
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Project No: CB10506200

1. VERIFICATION OF COMPLIANCE

Product Name :

AirTight Access Point

Brand Name :

MOJO, WatchGuard

Model No. :

C-75, C-75-E, AP320

Applicant :

Mojo Networks, Inc.

Test Rule Part(s) :

47 CFR FCC Part 15 Subpart C § 15.247

Sporton International as requested by the applicant to evaluate the EMC performance of the product sample received on Jan. 10, 2014 would like to declare that the tested sample has been evaluated and found to be in compliance with the tested rule parts. The data recorded as well as the test configuration specified is true and accurate for showing the sample's EMC nature.

Sam Chen

SPORTON INTERNATIONAL INC.

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2. SUMMARY OF THE TEST RESULT

| | Applied Standard: 47 CFR FCC Part 15 Subpart C | | | | | | |
|------|--|-----------------------------------|----------|--|--|--|--|
| Part | Part Rule Section Description of Test | | | | | | |
| 4.1 | 15.207 | AC Power Line Conducted Emissions | Complies | | | | |
| 4.2 | 15.247(b)(3) | Maximum Conducted Output Power | Complies | | | | |
| 4.3 | 15.247(e) | Power Spectral Density | Complies | | | | |
| 4.4 | 15.247(a)(2) | 6dB Spectrum Bandwidth | Complies | | | | |
| 4.5 | 15.247(d) | Radiated Emissions | Complies | | | | |
| 4.6 | 15.247(d) | Band Edge Emissions | Complies | | | | |
| 4.7 | 15.203 | Antenna Requirements | Complies | | | | |

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3. GENERAL INFORMATION

3.1. Product Details

| Items | Description |
|--------------------------|--|
| Product Type | IEEE 802.11b/g: WLAN (1TX, 1RX) |
| | IEEE 802.11n: WLAN (3TX, 3RX) |
| Radio Type | Intentional Transceiver |
| Power Type | From adapter or PoE |
| Modulation | IEEE 802.11b: DSSS |
| | IEEE 802.11g: OFDM |
| | IEEE 802.11n: see the below table |
| Data Modulation | IEEE 802.11b: DSSS (BPSK / QPSK / CCK) |
| | IEEE 802.11g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) |
| Data Rate (Mbps) | IEEE 802.11b: DSSS (1/ 2/ 5.5/11) |
| | IEEE 802.11g: OFDM (6/9/12/18/24/36/48/54) |
| | IEEE 802.11n: see the below table |
| Frequency Range | 2400 ~ 2483.5MHz |
| Channel Number | 11 for 20MHz bandwidth ; 7 for 40MHz bandwidth |
| Channel Band Width (99%) | IEEE 802.11b: 13.89 MHz |
| | IEEE 802.11g: 17.28 MHz |
| | IEEE 802.11n MCS0 (HT20): 18.84 MHz |
| | IEEE 802.11n MCS0 (HT40): 38.49 MHz |
| Maximum Conducted Output | IEEE 802.11b: 20.41 dBm |
| Power | IEEE 802.11g: 20.11 dBm |
| | IEEE 802.11n MCS0 (HT20): 24.98 dBm |
| | IEEE 802.11n MCS0 (HT40): 20.51 dBm |
| Carrier Frequencies | Please refer to section 3.4 |
| Antenna | Please refer to section 3.3 |

| Items | Description | | |
|----------------------|--------------------|---------------------|--|
| Beamforming Function | ☐ With beamforming | Without beamforming | |

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Antenna and Band width

| Antenna | Singl | e (TX) | Three | e (TX) |
|-----------------|--------|--------|--------|--------|
| Band width Mode | 20 MHz | 40 MHz | 20 MHz | 40 MHz |
| IEEE 802.11b | ٧ | Х | Х | X |
| IEEE 802.11g | V | Х | Х | Х |
| IEEE 802.11n | Х | Х | V | V |

IEEE 11n Spec.

| Protocol | Number of Transmit Chains (NTX) | Data Rate / MCS |
|----------------|---------------------------------|-----------------|
| 802.11n (HT20) | 3 | MCS 0-23 |
| 802.11n (HT40) | 3 | MC\$ 0-23 |

Note 1: IEEE Std. 802.11n modulation consists of HT20 and HT40 (HT: High Throughput). Then EUT supports HT20 and HT40.

Note 2: Modulation modes consist of below configuration: HT20/HT40: IEEE 802.11n

3.2. Accessories

| Power | Brand | Model No. | Rating | | | |
|-----------|-------|-----------|---------------------------------------|--|--|--|
| A damta : | ADD | WA 04010D | Input: 100-240Vac, 50-60Hz, 0.7A Max. | | | |
| Adapter | APD | WA-24Q12R | Output: 12Vdc, 2A | | | |
| Other | | | | | | |
| Plug*1 | | | | | | |

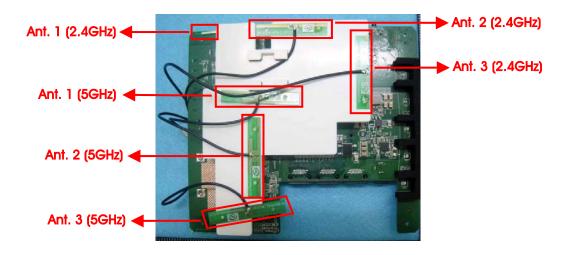
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3.3. Table for Filed Antenna

Model No.: C-75 / AP320: Internal Ant. (low gain)

| Ant. | Ant. Brand Model No. | | Brand Model No. Type Connector | | Antenn | Antenna Gain | | Cable loss | | True Gain (dBi) | |
|-------|----------------------|-----------|--------------------------------|-----------|--------|--------------|--------|------------|--------|-----------------|--|
| AIII. | ычна | Model No. | iype | Connector | 2.4GHz | 5GHz | 2.4GHz | 5GHz | 2.4GHz | 5GHz | |
| 1 | LITEON | WP838 AP | РСВ | I-PEX | 3.5 | 6.5 | 0.2 | - | 3.3 | 6.5 | |
| 2 | LITEON | WP838 AP | PCB | I-PEX | 6 | 5.8 | - | - | 6 | 5.8 | |
| 3 | LITEON | WP838 AP | PCB | I-PEX | 5.4 | 6.6 | - | - | 5.4 | 6.6 | |



Model No.: C-75-E: External Ant.

| Ant. | Brand | Model No. | del No. Type Connector | | Gair | (dBi) |
|-------|------------|-------------------|------------------------|-------------|--------|-------|
| AIII. | ыапа | Model No. | Туре | Connector | 2.4GHz | 5GHz |
| 1 | MAG.LAYERS | EDA-1713-25GR2-A7 | Dipole | SMA Male RP | 5 | 5 |
| 2 | MAG.LAYERS | EDA-1713-25GR2-A7 | Dipole | SMA Male RP | 5 | 5 |
| 3 | MAG.LAYERS | EDA-1713-25GR2-A7 | Dipole | SMA Male RP | 5 | 5 |



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Model No.: C-75 / AP320: Internal Ant. (higher gain)

| Ant | Ant. Brand | Brand P/N Ante | | Connector | Gain (dBi) | |
|-------|------------|----------------|------------------------|-----------|------------|------|
| AIII. | ыша | F/IN | Antenna Type Connector | | 2.4GHz | 5GHz |
| 1 | Galtronics | 001174B2AD5F | Dipole Ant. | I-PEX | 6.36 | 6.31 |
| 2 | Galtronics | 001174B2AD5F | Dipole Ant. | I-PEX | 6.69 | 6.64 |
| 3 | Galtronics | 001174B2AD5F | Dipole Ant. | I-PEX | 4.78 | 6.04 |

<For 2.4GHz Band>

For IEEE 802.11b/g mode (1TX/1RX):

Only Ant. 1 could transmit/receive simultaneously.

For IEEE 802.11n mode (3TX/3RX):

Ant. 1, Ant. 2 and Ant. 3 could transmit/receive simultaneously.

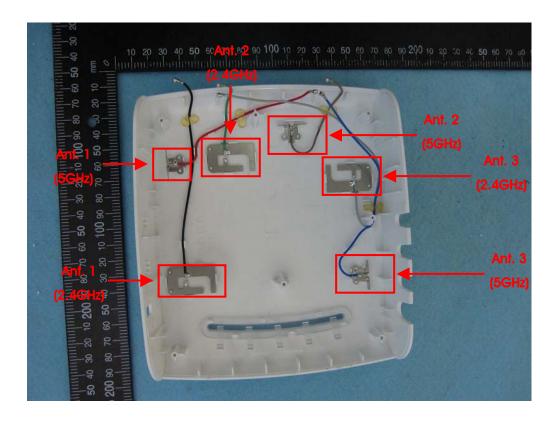
<For 5GHz Band>

For IEEE 802.11a mode (1TX/1RX):

Only Ant. 1 could transmit/receive simultaneously.

For IEEE 802.11n/ac mode (3TX/3RX):

Ant. 1, Ant. 2 and Ant. 3 could transmit/receive simultaneously.



3.4. Table for Carrier Frequencies

There are two bandwidth systems.

For 20MHz bandwidth systems, use Channel 1 \sim Channel 11.

For 40MHz bandwidth systems, use Channel 3~Channel 9.

| Frequency Band | Channel No. | Frequency | Channel No. | Frequency |
|------------------|-------------|-----------|-------------|-----------|
| | 1 | 2412 MHz | 7 | 2442 MHz |
| | 2 | 2417 MHz | 8 | 2447 MHz |
| 2400~2483.5MHz | 3 | 2422 MHz | 9 | 2452 MHz |
| 2400~2403.5IVINZ | 4 | 2427 MHz | 10 | 2457 MHz |
| | 5 | 2432 MHz | 11 | 2462 MHz |
| | 6 | 2437 MHz | - | - |

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3.5. Table for Test Modes

Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

| Test Items | Mode | Data Rate | Channel | Ant. |
|--|-------------|-----------|---------|-------|
| AC Power Line Conducted Emissions | Normal Link | - | - | - |
| Maximum Conducted Output Power | 11b/CCK | 1 Mbps | 1/6/11 | 1 |
| | 11g/BPSK | 6 Mbps | 1/6/11 | 1 |
| | 11n HT20 | MCS0 | 1/6/11 | 1+2+3 |
| | 11n HT40 | MCS0 | 3/6/9 | 1+2+3 |
| Power Spectral Density | 11b/CCK | 1 Mbps | 1/6/11 | 1 |
| | 11g/BPSK | 6 Mbps | 1/6/11 | 1 |
| | 11n HT20 | MCS0 | 1/6/11 | 1+2+3 |
| | 11n HT40 | MCS0 | 3/6/9 | 1+2+3 |
| 6dB Spectrum Bandwidth | 11b/CCK | 1 Mbps | 1/6/11 | 1 |
| | 11g/BPSK | 6 Mbps | 1/6/11 | 1 |
| | 11n HT20 | MCS0 | 1/6/11 | 1+2+3 |
| | 11n HT40 | MCS0 | 3/6/9 | 1+2+3 |
| Radiated Emissions 9kHz~1GHz | Normal Link | - | - | - |
| Radiated Emissions 1GHz~10 th | 11b/CCK | 1 Mbps | 1/6/11 | 1 |
| Harmonic | 11g/BPSK | 6 Mbps | 1/6/11 | 1 |
| | 11n HT20 | MCS0 | 1/6/11 | 1+2+3 |
| | 11n HT40 | MCS0 | 3/6/9 | 1+2+3 |
| Band Edge Emissions | 11b/CCK | 1 Mbps | 1/6/11 | 1 |
| | 11g/BPSK | 6 Mbps | 1/6/11 | 1 |
| | 11n HT20 | MCS0 | 1/6/11 | 1+2+3 |
| | 11n HT40 | MCS0 | 3/6/9 | 1+2+3 |

Note 1: All the specification of test configurations and test mode was base on customer's request.

Note 2: The PoE below are for measurement only, would not be marketed.

The PoE information as below:

| Support Unit | Brand | Model Number |
|--------------|------------|--------------|
| PoE | PowerDsine | PD-6561G300 |

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The following test modes were performed for all tests:

For Conducted Emission test:

Mode 1. EUT + Adapter

For Radiated Emission test<Below 1GHz>:

Mode 1. EUT in Z axis + Adapter

Mode 2. EUT in Y axis + Adapter

Mode 2 has been evaluated to be the worst case among Mode $1\sim2$, thus measurement for Mode 3 will follow this same test mode.

Mode 3. EUT in Y axis + PoE

Mode 3 is the worst case, so it was selected to record in this test report.

For Radiated Emission test<Above 1GHz>:

The EUT can be placed in Y-axis and Z-axis. After evaluating, Y-axis was the worst case, so it's recorded in this report.

Mode 1. CTX_EUT in Y axis

For Co-location MPE:

The EUT could be applied with 2.4GHz WLAN function and 5GHz WLAN function; therefore Co-location Maximum Permissible Exposure (Please refer to FA411023-08) tests is added for simultaneously transmit between 2.4GHz WLAN function and 5GHz WLAN function.

3.6. Table for Testing Locations

| | Test Site Location | | | | | | |
|-----------|--|-------------------------|----------------------|------------------------|------|--|--|
| Address: | No.8, L | ane 724, Bo-ai St., Jhu | ubei City, Hsinchu (| County 302, Taiwan, R. | O.C. | | |
| TEL: | 886-3- | 656-9065 | | | | | |
| FAX: | 886-3- | 886-3-656-9085 | | | | | |
| Test Site | Test Site No. Site Category Location FCC Designation No. IC File No. | | | | | | |
| 03CH01 | 03CH01-CB SAC Hsin Chu TW0006 IC 4086D | | | | | | |
| CO01- | CO01-CB Conduction Hsin Chu TW0006 IC 4086D | | | | | | |
| TH01- | СВ | OVEN Room | Hsin Chu | - | - | | |

Open Area Test Site (OATS); Semi Anechoic Chamber (SAC).

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3.7. Table for Multiple Listing

The EUT has three model numbers which are identical to each other in all aspects except for the following table:

| Brand Name | Model No. | Antenna |
|------------|-----------|------------------|
| MOJO | C-75 | Internal antenna |
| | C-75-E | External antenna |
| WatchGuard | AP320 | Internal antenna |

Note: Adding dipole antenna for model: C-75 and AP320. Thus, only model: C-75 was tested.

3.8. Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR411023-06AA Below is the table for the change of the product with respect to the original one.

| Modifications | Performance Checking |
|---|----------------------|
| Adding a set of dipole antenna (P/N: 001174B2AD5F) with | |
| higher gain than originally certified antennas for model: | All test items |
| C-75 and AP320. | |

3.9. Table for Supporting Units

For Test Site No: 03CH01-CB<Below 1GHz>

| Support Unit | Brand | Model | FCC ID |
|--------------|---------------|-------------|--------|
| Notebook*2 | DELL | E4300 | DoC |
| Notebook*2 | Apple | Mac Book | DoC |
| Flash disk | Silicon Power | I-Series | DoC |
| PoE | PowerDsine | PD-6561G300 | DoC |

For Test Site No: 03CH01-CB<Above 1GHz>

| Support Unit | Brand | Model | FCC ID |
|--------------|-------|-------|--------|
| Notebook | DELL | E4300 | DoC |

For Test Site No: CO01-CB

| Support Unit | Brand | Model | FCC ID |
|--------------|---------|----------|--------|
| Notebook*4 | DELL | E6430 | DoC |
| Flash disk | Silicon | I-Series | DoC |

For Test Site No: TH01-CB

| Support Unit | Brand | Model | FCC ID |
|--------------|-------|-------|--------|
| Notebook | DELL | E4300 | DoC |

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3.10. Table for Parameters of Test Software Setting

During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

| Test Software Version | ART2-GUI Version 2.3 | | | | | | |
|-----------------------|----------------------|----------|----------|----------|------------|----------|--|
| | Test Frequency (MHz) | | | | | | |
| Mode | NCB: 20MHz | | | | NCB: 40MHz | | |
| | 2412 MHz | 2437 MHz | 2462 MHz | 2422 MHz | 2437 MHz | 2452 MHz | |
| 802.11b | 19.5 | 19.5 | 19.5 | - | - | - | |
| 802.11g | 15 | 20 | 16.5 | - | - | - | |
| 802.11n MCS0 HT20 | 13.5 | 19 | 14.5 | - | - | - | |
| 802.11n MCS0 HT40 | - | - | - | 12.5 | 15 | 13.5 | |

3.11. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

3.12. Duty Cycle

| Mode | On Time (ms) | On+Off Time (ms) | Duty Cycle (%) | Duty Factor (dB) | 1/T Minimum VBW (kHz) |
|-------------------|-----------------|---------------------|-------------------|---------------------|--------------------------|
| 802.11b | 1.000 | 1.000 | 100.00% | 0.00 | 0.01 |
| 802.11g | 2.000 | 2.070 | 96.62% | 0.15 | 0.50 |
| 802.11n MCS0 HT20 | 1.880 | 1.950 | 96.41% | 0.16 | 0.53 |
| 802.11n MCS0 HT40 | 0.900 | 0.970 | 92.78% | 0.33 | 1.11 |

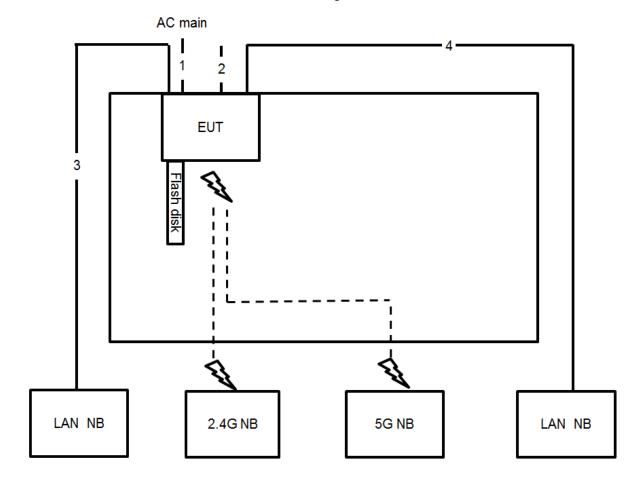
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3.13. Test Configurations

3.13.1. AC Power Line Conduction Emissions Test Configuration



| Item | Connection | Connection Shielded | |
|------|---------------|---------------------|------|
| 1 | Power cable | No | 1.5m |
| 2 | Console cable | Yes | 1.5m |
| 3 | RJ-45 cable | No | 10m |
| 4 | RJ-45 cable | No | 10m |

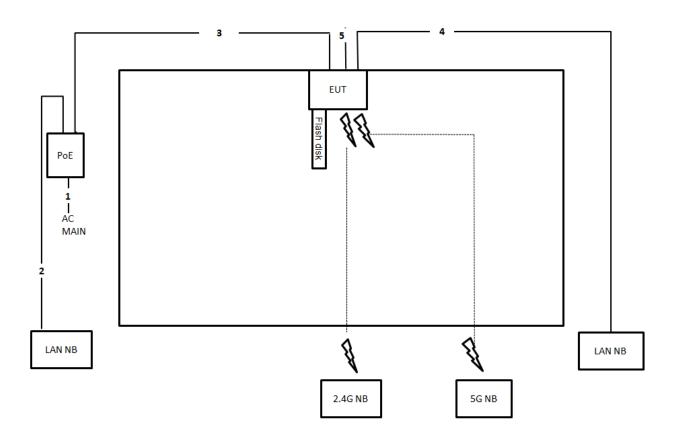
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3.13.2. Radiation Emissions Test Configuration

Test Configuration: 30MHz~1GHz



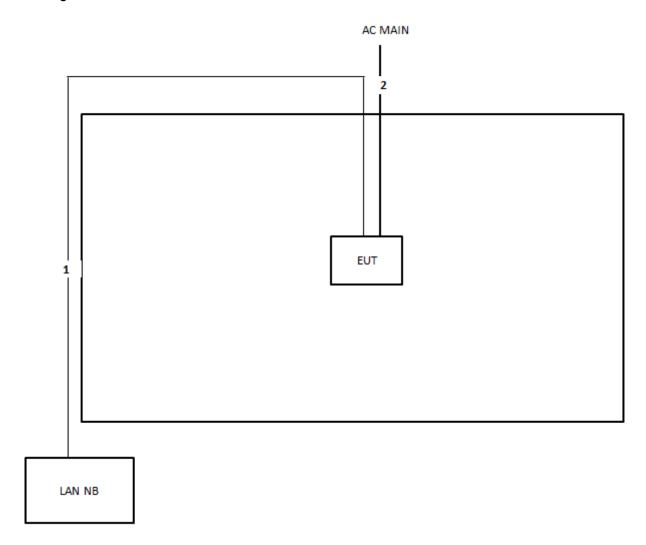
| Item | Connection | Shielded | Length |
|------|---------------|----------|--------|
| 1 | Power cable | No | 1.5m |
| 2 | RJ-45 cable | No | 1.5m |
| 3 | RJ-45 cable | No | 10m |
| 4 | RJ-45 cable | No | 10m |
| 5 | Console cable | No | 1.5m |

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Test Configuration: above 1GHz



| Item | Connection | Shielded | Length |
|------|-------------|----------|--------|
| 1 | RJ-45 cable | No | 10m |
| 2 | Power cable | No | 1.5m |

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4. TEST RESULT

4.1. AC Power Line Conducted Emissions Measurement

4.1.1. Limit

For this product which is designed to be connected to the AC power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed below limits table.

| Frequency (MHz) | QP Limit (dBuV) | AV Limit (dBuV) |
|-----------------|-----------------|-----------------|
| 0.15~0.5 | 66~56 | 56~46 |
| 0.5~5 | 56 | 46 |
| 5~30 | 60 | 50 |

4.1.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the receiver.

| Receiver Parameters | Setting |
|---------------------|----------|
| Attenuation | 10 dB |
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 kHz |

4.1.3. Test Procedures

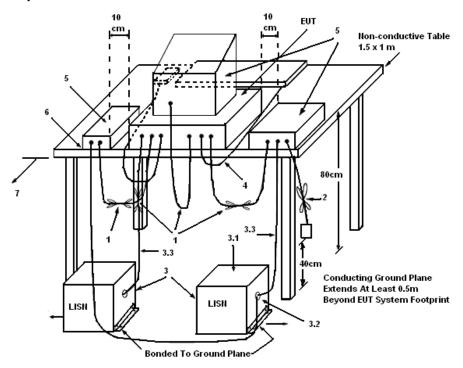
- Configure the EUT according to ANSI C63.10. The EUT or host of EUT has to be placed 0.4 meter far
 from the conducting wall of the shielding room and at least 80 centimeters from any other
 grounded conducting surface.
- 2. Connect EUT or host of EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connected to the other LISNs. The LISN should provide 50uH/50ohms coupling impedance.
- 4. The frequency range from 150 kHz to 30 MHz was searched.
- 5. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 6. The measurement has to be done between each power line and ground at the power terminal.

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4.1.4. Test Setup Layout



LEGEND:

- (1) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- (2) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- (3) EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω . LISN can be placed on top of, or immediately beneath, reference ground plane.
- (3.1) All other equipment powered from additional LISN(s).
- (3.2) Multiple outlet strip can be used for multiple power cords of non-EUT equipment.
- (3.3) LISN at least 80 cm from nearest part of EUT chassis.
- (4) Cables of hand-operated devices, such as keyboards, mice, etc., shall be placed as for normal use.
- (5) Non-EUT components of EUT system being tested.
- (6) Rear of EUT, including peripherals, shall all be aligned and flush with rear of tabletop.
- (7) Rear of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.

4.1.5. Test Deviation

There is no deviation with the original standard.

4.1.6. EUT Operation during Test

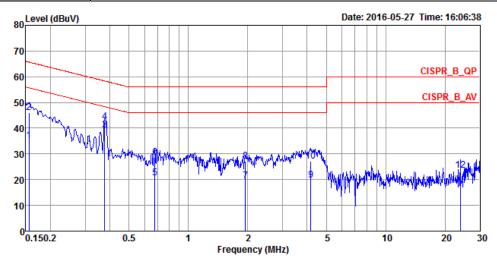
The EUT was placed on the test table and programmed in normal function.





4.1.7. Results of AC Power Line Conducted Emissions Measurement

| Temperature | 23℃ | Humidity | 58% |
|---------------|-------------|----------|------|
| Test Engineer | Da Deng | Phase | Line |
| Configuration | Normal Link | | |



| | | | 0ver | Limit | Read | LISN | Cable | | |
|----|---------|-------|--------|-------|-------|--------|-------|-----------|---------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Pol/Phase | Remark |
| | MHz | dBuV | dB | dBuV | dBuV | dB | dB | | |
| 1 | 0.1557 | 35.01 | -20.68 | 55.69 | 24.97 | 10.02 | 0.02 | LINE | Average |
| 2 | 0.1557 | 45.94 | -19.75 | 65.69 | 35.90 | 10.02 | 0.02 | LINE | QP |
| 3 | 0.3771 | 39.28 | -9.06 | 48.34 | 29.32 | 9.92 | 0.04 | LINE | Average |
| 4 | 0.3771 | 42.61 | -15.73 | 58.34 | 32.65 | 9.92 | 0.04 | LINE | QP |
| 5 | 0.6754 | 20.60 | -25.40 | 46.00 | 10.63 | 9.93 | 0.04 | LINE | Average |
| 6 | 0.6754 | 28.71 | -27.29 | 56.00 | 18.74 | 9.93 | 0.04 | LINE | QP |
| 7 | 1.9489 | 19.63 | -26.37 | 46.00 | 9.61 | 9.96 | 0.06 | LINE | Average |
| 8 | 1.9489 | 27.28 | -28.72 | 56.00 | 17.26 | 9.96 | 0.06 | LINE | QP |
| 9 | 4.1796 | 19.77 | -26.23 | 46.00 | 9.71 | 9.99 | 0.07 | LINE | Average |
| 10 | 4.1796 | 27.22 | -28.78 | 56.00 | 17.16 | 9.99 | 0.07 | LINE | QP |
| 11 | 23.8878 | 15.90 | -34.10 | 50.00 | 5.22 | 10.41 | 0.27 | LINE | Average |
| 12 | 23.8878 | 23.70 | -36.30 | 60.00 | 13.02 | 10.41 | 0.27 | LINE | QP |

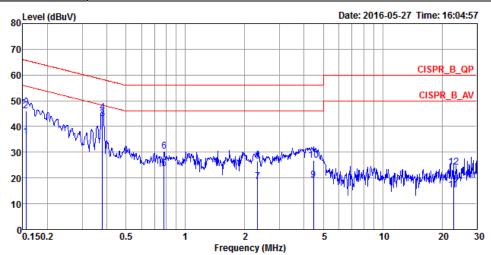
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| Temperature | 23℃ | Humidity | 58% |
|---------------|-------------|----------|---------|
| Test Engineer | Da Deng | Phase | Neutral |
| Configuration | Normal Link | | |



| | | | 0ver | Limit | Read | LISN | Cable | | |
|----|---------|-------|--------|-------|-------|--------|-------|-----------|---------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Pol/Phase | Remark |
| | MHz | dBuV | dB | dBuV | dBuV | dB | dB | | - |
| 1 | 0.1557 | 36.14 | -19.55 | 55.69 | 26.10 | 10.02 | 0.02 | NEUTRAL | Average |
| 2 | 0.1557 | 46.18 | -19.51 | 65.69 | 36.14 | 10.02 | 0.02 | NEUTRAL | QP |
| 3 | 0.3791 | 43.14 | -5.16 | 48.30 | 33.18 | 9.92 | 0.04 | NEUTRAL | Average |
| 4 | 0.3791 | 45.35 | -12.95 | 58.30 | 35.39 | 9.92 | 0.04 | NEUTRAL | QP |
| 5 | 0.7793 | 23.68 | -22.32 | 46.00 | 13.72 | 9.93 | 0.03 | NEUTRAL | Average |
| 6 | 0.7793 | 30.40 | -25.60 | 56.00 | 20.44 | 9.93 | 0.03 | NEUTRAL | QP |
| 7 | 2.3213 | 18.53 | -27.47 | 46.00 | 8.51 | 9.96 | 0.06 | NEUTRAL | Average |
| 8 | 2.3213 | 26.59 | -29.41 | 56.00 | 16.57 | 9.96 | 0.06 | NEUTRAL | QP |
| 9 | 4.4540 | 19.21 | -26.79 | 46.00 | 9.13 | 10.00 | 0.08 | NEUTRAL | Average |
| 10 | 4.4540 | 26.83 | -29.17 | 56.00 | 16.75 | 10.00 | 0.08 | NEUTRAL | QP |
| 11 | 22.8965 | 15.21 | -34.79 | 50.00 | 4.56 | 10.38 | 0.27 | NEUTRAL | Average |
| 12 | 22.8965 | 24.28 | -35.72 | 60.00 | 13.63 | 10.38 | 0.27 | NEUTRAL | QP |

Note:

Level = Read Level + LISN Factor + Cable Loss.

4.2. Maximum Conducted Output Power Measurement

4.2.1. Limit

The limit for output power is 30dBm.

4.2.2. Measuring Instruments and Setting

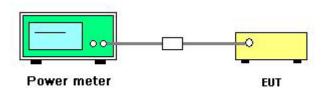
Please refer to section 5 of equipments list in this report. The following table is the setting of the power meter.

| Power Meter Parameter | Setting |
|-----------------------|--|
| Bandwidth | 50MHz bandwidth is greater than the EUT emission bandwidth |
| Detector | Average |

4.2.3. Test Procedures

- 1. Test procedures refer KDB558074 D01 v03r05 section 9.2.3.2 Measurement using a power meter (PM).
- 2. Multiple antenna systems was performed in accordance with KDB 662911 D01 v02r01 Emissions Testing of Transmitters with Multiple Outputs in the Same Band.
- 3. This procedure provides an alternative for determining the RMS output power using a broadband RF average power meter with a thermocouple detector.

4.2.4. Test Setup Layout



4.2.5. Test Deviation

There is no deviation with the original standard.

4.2.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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4.2.7. Test Result of Maximum Conducted Output Power

| Temperature | 24°C | Humidity | 60% |
|---------------|-----------|-----------|--------------|
| Test Engineer | Serway Li | Test Date | May 31, 2016 |

| Mode | Eroguepov. | Conducted Power (dBm) | | | | Max. Limit | Result |
|----------------------|------------|-----------------------|--------|--------|-------|------------|----------|
| Wode | Frequency | Ant. 1 | | | | (dBm) | |
| | 2412 MHz | 20.25 | | | | 29.64 | Complies |
| 802.11b | 2437 MHz | 20.34 | | | | 29.64 | Complies |
| | 2462 MHz | | 20 | .41 | | 29.64 | Complies |
| 802.11g | 2412 MHz | 16.14 | | | | 29.64 | Complies |
| | 2437 MHz | 20.11 | | | | 29.64 | Complies |
| | 2462 MHz | 17.58 | | | | 29.64 | Complies |
| Mada | Frequency | Conducted Power (dBm) | | | | Max. Limit | Result |
| Mode | | Ant. 1 | Ant. 2 | Ant. 3 | Total | (dBm) | Kesuii |
| 900 115 | 2412 MHz | 14.32 | 14.60 | 15.13 | 19.47 | 29.31 | Complies |
| 802.11n MCS0 HT20 | 2437 MHz | 19.83 | 19.87 | 20.86 | 24.98 | 29.31 | Complies |
| | 2462 MHz | 16.01 | 15.89 | 16.28 | 20.83 | 29.31 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 13.08 | 13.12 | 13.92 | 18.16 | 29.31 | Complies |
| | 2437 MHz | 15.43 | 15.59 | 16.16 | 20.51 | 29.31 | Complies |
| | 2452 MHz | 14.31 | 14.68 | 15.36 | 19.58 | 29.31 | Complies |

Note:

802.11b/g: Ant. Gain=6.36dBi, so limit = 30-(6.36-6)=29.64 dBm

802.11n: Ant. Gain=6.69dBi, so limit = 30-(6.69-6)=29.31 dBm

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4.3. Power Spectral Density Measurement

4.3.1. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

4.3.2. Measuring Instruments and Setting

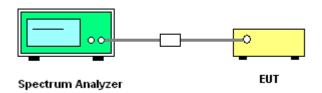
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

| Spectrum Parameter | Setting |
|--------------------|--|
| Attenuation | Auto |
| Span Frequency | Set the span to 1.5 times the DTS channel bandwidth. |
| RBW | 3 kHz ≤ RBW ≤ 100kHz |
| VBW | ≥ 3 x RBW |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto couple |

4.3.3. Test Procedures

- Test was performed in accordance with KDB558074 D01 v03r05 for Performing Compliance
 Measurements on Digital Transmission Systems (DTS) section 10.2 Method PKPSD (peak PSD) and
 KDB 662911 D01 v02r01 section In-Band Power Spectral Density (PSD) Measurements option (b)
 Measure and sum spectral maximal across the outputs.
- 2. Use this procedure when the maximum conducted output power in the fundamental emission is used to demonstrate compliance. The EUT must be configured to transmit continuously at full power over the measurement duration.
- 3. Ensure that the number of measurement points in the sweep ≥ 2 x span/RBW (use of a greater number of measurement points than this minimum requirement is recommended).
- 4. Use the peak marker function to determine the maximum level in any 3 kHz band segment within the fundamental EBW.
- 5. The resulting PSD level must be \leq 8 dBm.

4.3.4. Test Setup Layout



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4.3.5. Test Deviation

There is no deviation with the original standard.

4.3.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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4.3.7. Test Result of Power Spectral Density

| Temperature | 24°C | Humidity | 60% |
|---------------|-----------|----------|-----|
| Test Engineer | Serway Li | | |

| Mode | Frequency | Power Density (dBm/3kHz) Ant. 1 | | | | Power Density Limit (dBm/3kHz) | Result |
|----------------------|-----------|----------------------------------|--------|--------|--------|-----------------------------------|----------|
| | 2412 MHz | -4.13 | | | | 7.64 | Complies |
| 802.11b | 2437 MHz | | -4. | 94 | | 7.64 | Complies |
| | 2462 MHz | | -4. | 57 | | 7.64 | Complies |
| | 2412 MHz | -10.21 | | | | 7.64 | Complies |
| 802.11g | 2437 MHz | -5.49 | | | | 7.64 | Complies |
| | 2462 MHz | -8.70 | | | | 7.64 | Complies |
| Mode | Fraguenay | Power Density (dBm/3kHz) | | | | Power Density Limit | Desult |
| Mode | Frequency | Ant. 1 | Ant. 2 | Ant. 3 | Total | (dBm/3kHz) | Result |
| 900 11= | 2412 MHz | -11.91 | -11.67 | -11.73 | -7.00 | 3.25 | Complies |
| 802.11n MCS0 HT20 | 2437 MHz | -6.84 | -5.21 | -5.73 | -1.10 | 3.25 | Complies |
| | 2462 MHz | -11.53 | -10.53 | -10.87 | -6.19 | 3.25 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | -15.97 | -16.95 | -15.79 | -11.44 | 3.25 | Complies |
| | 2437 MHz | -14.45 | -13.70 | -14.01 | -9.27 | 3.25 | Complies |
| | 2452 MHz | -15.31 | -15.40 | -15.19 | -10.53 | 3.25 | Complies |

Note:

802.11b/g: Ant. Gain: =6.36dBi, so limit =8-(6.36-6)=7.64 (dBm/3kHz)

802.11n:

Note:
$$_{Directional\ Gain\ =\ 10\log} \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{K=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.75 \text{dBi, so limit} = 8 - (10.75 - 6) = 3.25 \text{ (dBm/3kHz)}$$

Note: All the test values were listed in the report.

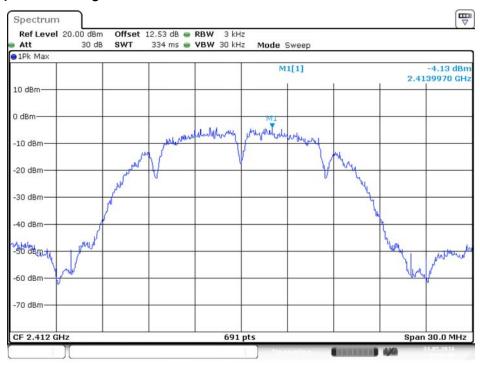
For plots, only the channel with worse result was shown.

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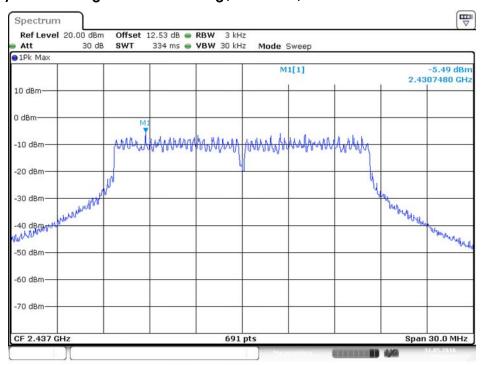


Power Density Plot on Configuration IEEE 802.11b / 2412 MHz / Ant. 1



Date: 31.MAY.2016 15:36:51

Power Density Plot on Configuration IEEE 802.11g / 2437 MHz / Ant. 1

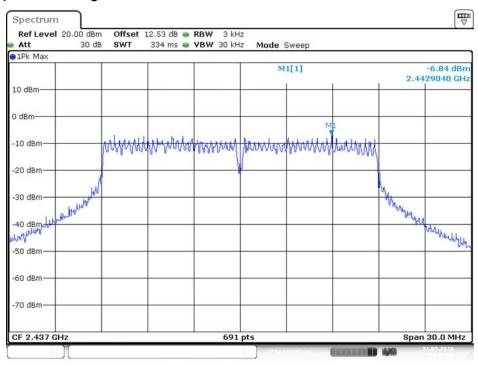


Date: 31.MAY.2016 15:39:39



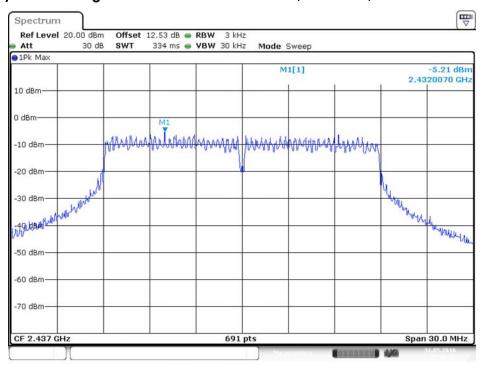


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Ant. 1



Date: 31.MAY.2016 15:42:30

Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Ant. 2

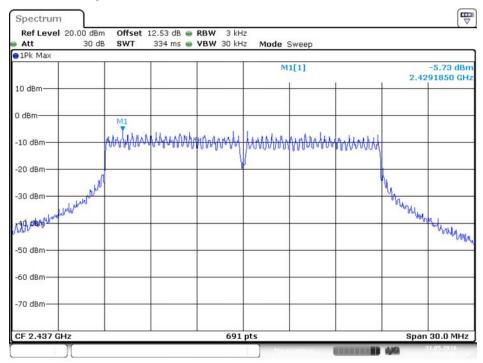


Date: 31.MAY.2016 15:42:45



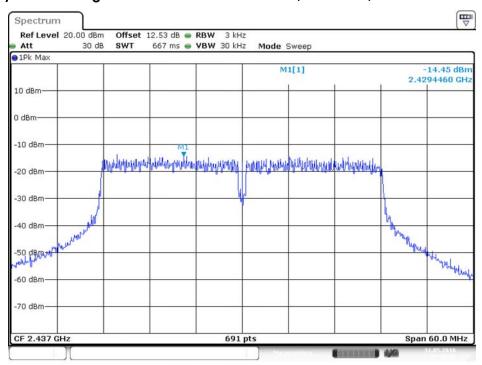


Power Density Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Ant. 3



Date: 31.MAY.2016 15:43:05

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Ant. 1

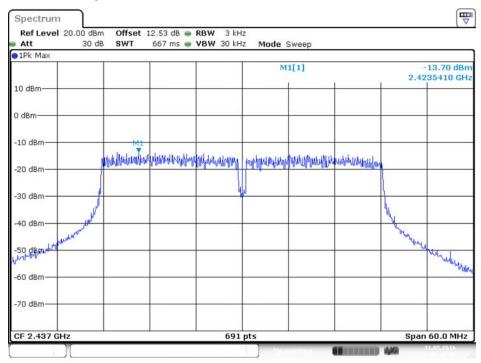


Date: 31.MAY.2016 15:47:07



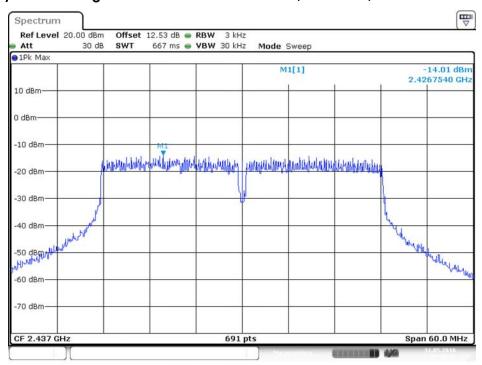


Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Ant. 2



Date: 31.MAY.2016 15:47:21

Power Density Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Ant. 3



Date: 31.MAY.2016 15:47:52

4.4. 6dB Spectrum Bandwidth Measurement

4.4.1. Limit

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

4.4.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the Spectrum Analyzer.

| 6dB Spectrum Bandwidth | | | | |
|------------------------|--------------------------------|--|--|--|
| Spectrum Parameters | Setting | | | |
| Attenuation | Auto | | | |
| Span Frequency | > 6dB Bandwidth | | | |
| RBW | 100kHz | | | |
| VBW | ≥ 3 x RBW | | | |
| Detector | Peak | | | |
| Trace | Max Hold | | | |
| Sweep Time | Auto | | | |
| 99% Occupied Bandwidth | | | | |
| Spectrum Parameters | Setting | | | |
| Span | 1.5 times to 5.0 times the OBW | | | |
| RBW | 1 % to 5 % of the OBW | | | |
| VBW | ≥ 3 x RBW | | | |
| Detector | Peak | | | |
| Trace | Max Hold | | | |

4.4.3. Test Procedures

For Radiated 6dB Bandwidth Measurement:

- 1. The transmitter was radiated to the spectrum analyzer in peak hold mode.
- 2. Test was performed in accordance with KDB558074 D01 v03r05 for Performing Compliance Measurements on Digital Transmission Systems (DTS) section 8.0 DTS bandwidth=> 8.1 Option 1.
- 3. Multiple antenna system was performed in accordance with KDB 662911 D01 v02r01 Emissions Testing of Transmitters with Multiple Outputs in the Same Band.
- 4. Measured the spectrum width with power higher than 6dB below carrier.

4.4.4. Test Setup Layout

For Radiated 6dB Bandwidth Measurement:

This test setup layout is the same as that shown in section 4.5.4.

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4.4.5. Test Deviation

There is no deviation with the original standard.

4.4.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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4.4.7. Test Result of 6dB Spectrum Bandwidth

| Temperature | 24°C | Humidity | 60% |
|---------------|-----------|----------|-----|
| Test Engineer | Serway Li | | |

| Mode | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|----------------------|-----------|------------------------|------------------------------------|---------------------|-------------|
| | 2412 MHz | 10.03 | 13.89 | 500 | Complies |
| 802.11b | 2437 MHz | 10.03 | 13.89 | 500 | Complies |
| | 2462 MHz | 9.80 | 13.89 | 500 | Complies |
| 802.11g | 2412 MHz | 16.35 | 17.28 | 500 | Complies |
| | 2437 MHz | 16.35 | 17.28 | 500 | Complies |
| | 2462 MHz | 16.35 | 17.28 | 500 | Complies |
| 802.11n MCS0 HT20 | 2412 MHz | 17.62 | 18.76 | 500 | Complies |
| | 2437 MHz | 17.62 | 18.84 | 500 | Complies |
| | 2462 MHz | 17.74 | 18.76 | 500 | Complies |
| 802.11n MCS0 HT40 | 2422 MHz | 35.48 | 38.49 | 500 | Complies |
| | 2437 MHz | 35.48 | 38.49 | 500 | Complies |
| | 2452 MHz | 35.48 | 38.35 | 500 | Complies |

Note: All the test values were listed in the report.

For plots, only the channel with worse result was shown.

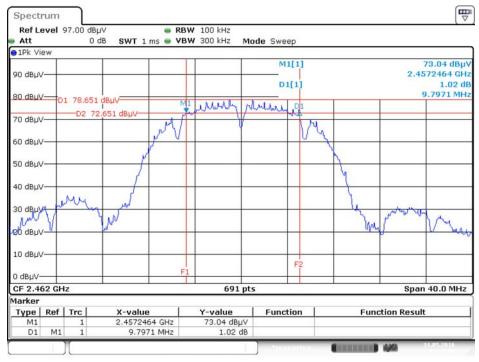
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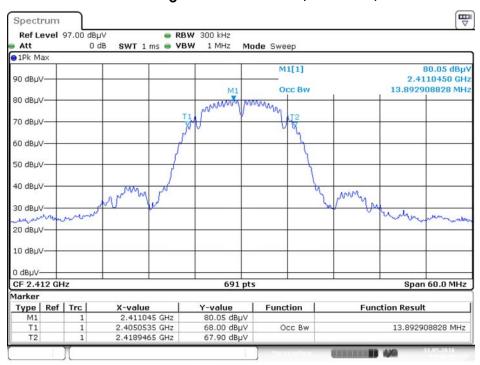


6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Ant. 1



Date: 31.MAY.2016 15:01:09

99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2412 MHz / Ant. 1

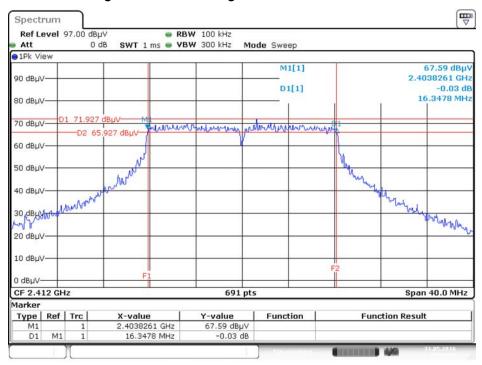


Date: 31.MAY.2016 15:13:29





6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz / Ant. 1



Date: 31.MAY.2016 15:01:35

99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz / Ant. 1

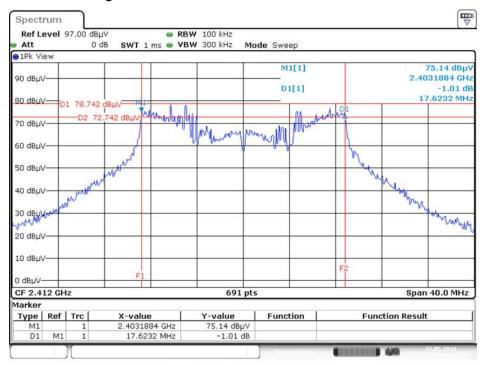


Date: 31.MAY.2016 15:15:55



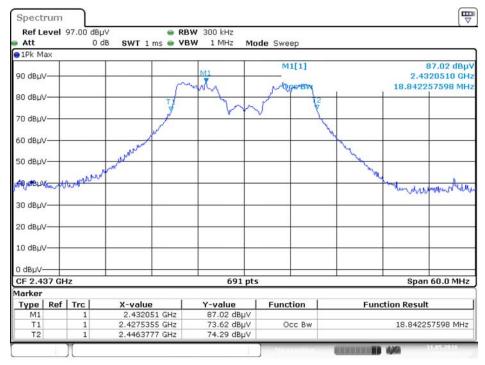


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Ant. 1 + Ant. 2 + Ant. 3



Date: 31.MAY.2016 15:03:24

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Ant. 1 + Ant. 2 + Ant. 3



Date: 31.MAY.2016 15:19:44

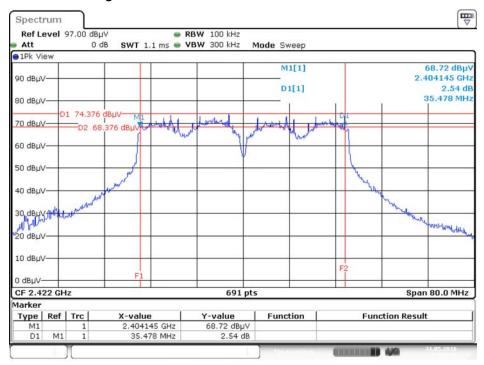
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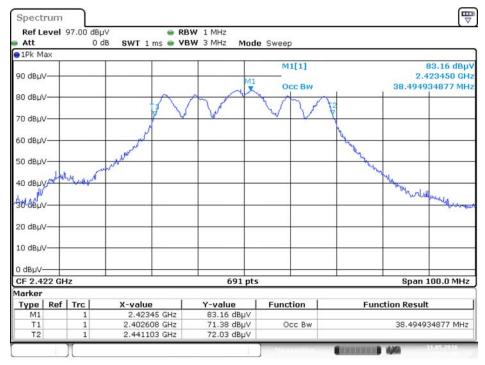


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Ant. 1 + Ant. 2 + Ant. 3



Date: 31.MAY.2016 15:05:34

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Ant. 1 + Ant. 2 + Ant. 3



Date: 31.MAY.2016 15:22:21

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4.5. Radiated Emissions Measurement

4.5.1. Limit

30dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Frequencies | Field Strength | Measurement Distance |
|-------------|--------------------|----------------------|
| (MHz) | (micorvolts/meter) | (meters) |
| 0.009~0.490 | 2400/F(kHz) | 300 |
| 0.490~1.705 | 24000/F(kHz) | 30 |
| 1.705~30.0 | 30 | 30 |
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| Above 960 | 500 | 3 |

4.5.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of spectrum analyzer and receiver.

| Spectrum Parameter | Setting |
|---|--------------------------|
| Attenuation | Auto |
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RBW / VBW (Emission in restricted band) | 1MHz / 3MHz for Peak, |
| | 1MHz / 1/T for Average |
| RBW / VBW (Emission in non-restricted band) | 100kHz / 300kHz for peak |

| Receiver Parameter | Setting |
|------------------------|-----------------------------------|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9kHz~150kHz / RBW 200Hz for QP |
| Start ~ Stop Frequency | 150kHz~30MHz / RBW 9kHz for QP |
| Start ~ Stop Frequency | 30MHz~1000MHz / RBW 120kHz for QP |

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4.5.3. Test Procedures

Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5
meter above ground. The phase center of the receiving antenna mounted on the top of a
height-variable antenna tower was placed 1m & 3m far away from the turntable.

- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 m to 4 m) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz VBW and 3MHz RBW for peak reading. Then 1MHz RBW and 1/T VBW for average reading in spectrum analyzer.
- 7. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 8. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 9. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

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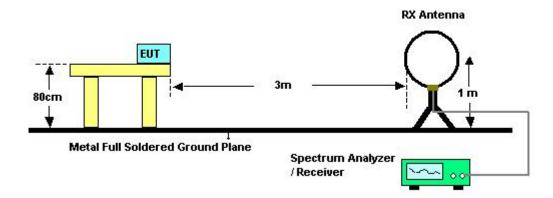
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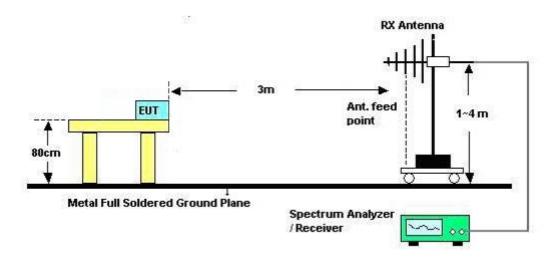


4.5.4. Test Setup Layout

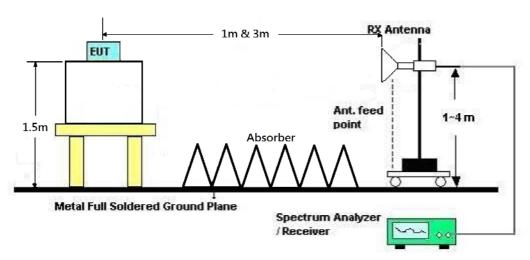
For Radiated Emissions: 9kHz ~30MHz



For Radiated Emissions: 30MHz~1GHz



For Radiated Emissions: Above 1GHz





4.5.5. Test Deviation

There is no deviation with the original standard.

4.5.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.



4.5.7. Results of Radiated Emissions (9kHz~30MHz)

| Temperature | 23 ℃ | Humidity | 63% | | |
|---------------|------------------------|----------------|-------------|--|--|
| Tost Engineer | Eddie Weng / Stim Song | Configurations | Normal Link | | |
| Test Engineer | / Paul Chen | Configurations | Normal Link | | |
| Test Date | Jun. 03, 2016 | Test Mode | Mode 3 | | |

| Freq. | Level | Over Limit | Limit Line | Remark |
|-------|--------|------------|------------|----------|
| (MHz) | (dBuV) | (dB) | (dBuV) | |
| - | - | - | - | See Note |

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

 $\label{eq:limit_limit} \mbox{Limit line} = \mbox{specific limits (dBuV)} + \mbox{distance extrapolation factor}.$

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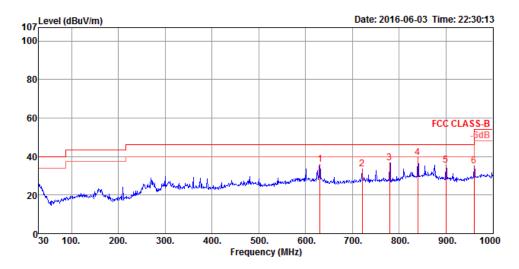




4.5.8. Results of Radiated Emissions (30MHz~1GHz)

| Temperature | 23 ℃ | Humidity | 63% |
|---------------|---------------------------------------|----------------|-------------|
| Test Engineer | Eddie Weng / Stim Song / Paul Chen | Configurations | Normal Link |
| Test Mode | Mode 3 | | |

Horizontal



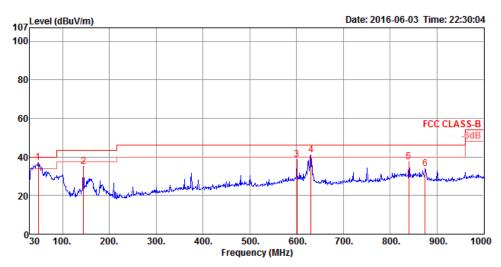
| | | | Limit | 0ver | Read | CableA | ntenna | Preamp | A/Pos | T/Pos | | |
|---|--------|--------|--------|--------|-------|--------|--------|--------|-------|-------|--------|------------|
| | Freq | Level | Line | Limit | Level | Loss | Factor | Factor | | | Remark | Pol/Phase |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 630.43 | 35.94 | 46.00 | -10.06 | 41.21 | 1.98 | 25.20 | 32.45 | 125 | 205 | Peak | HORIZONTAL |
| 2 | 720.64 | 33.60 | 46.00 | -12.40 | 38.28 | 2.13 | 25.73 | 32.54 | 125 | 168 | Peak | HORIZONTAL |
| 3 | 779.81 | 36.81 | 46.00 | -9.19 | 40.77 | 2.25 | 26.31 | 32.52 | 100 | 182 | Peak | HORIZONTAL |
| 4 | 839.95 | 39.44 | 46.00 | -6.56 | 42.72 | 2.34 | 26.89 | 32.51 | 100 | 161 | Peak | HORIZONTAL |
| 5 | 900.09 | 35.57 | 46.00 | -10.43 | 38.32 | 2.40 | 27.30 | 32.45 | 125 | 336 | Peak | HORIZONTAL |
| 6 | 960.23 | 35.05 | 54.00 | -18.95 | 37.36 | 2.44 | 27.72 | 32.47 | 100 | 172 | Peak | HORIZONTAL |

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Vertical



| | Freq | Level | | Over Limit | | | | | | T/Pos | Remark | Pol/Phase |
|---|--------|--------|--------|---------------|-------|------|-------|-------|-----|-------|--------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 48.43 | 36.99 | 40.00 | -3.01 | 52.69 | 0.61 | 15.43 | 31.74 | 125 | 72 | Peak | VERTICAL |
| 2 | 144.46 | 35.14 | 43.50 | -8.36 | 48.73 | 0.95 | 17.34 | 31.88 | 100 | 108 | Peak | VERTICAL |
| 3 | 600.36 | 38.74 | 46.00 | -7.26 | 44.32 | 1.93 | 24.90 | 32.41 | 125 | 331 | Peak | VERTICAL |
| 4 | 630.43 | 40.93 | 46.00 | -5.07 | 46.20 | 1.98 | 25.20 | 32.45 | 150 | 346 | Peak | VERTICAL |
| 5 | 839.95 | 37.42 | 46.00 | -8.58 | 40.70 | 2.34 | 26.89 | 32.51 | 125 | 158 | Peak | VERTICAL |
| 6 | 874.87 | 34.01 | 46.00 | -11.99 | 36.97 | 2.38 | 27.15 | 32.49 | 100 | 328 | Peak | VERTICAL |

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = $20 \log Emission$ level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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4.5.9. Results for Radiated Emissions (1GHz \sim 10th Harmonic)

| Temperature | 23°C | Humidity | 63% | | | | |
|---------------|-------------------|----------------|----------------------------|--|--|--|--|
| Test Engineer | Eddie Weng / Stim | Configurations | IEEE 802 11h CH 1 / Apt 1 | | | | |
| lesi Engineer | Song / Paul Chen | Configurations | IEEE 802.11b CH 1 / Ant. 1 | | | | |
| Test Date | May 20, 2016 | | | | | | |

Horizontal

| | Freq | Level | Limit Line | Over Limit | | | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|--------|--------------------|----------------|---------------|------------------|----------------|--------------|------|------------------|------------|-------|-----------------|--------------------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 2 | 4823.95 4823.95 | | | -17.78 -27.22 | | | | 33.03 33.03 | 239 239 | | Average Peak | HORIZONTAL HORIZONTAL |
| Vertic | al | | | | | | | | | | | |
| | Freq | Level | Limit Line | | Read Level | | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 2 | 4823.60 4824.00 | 47.15 37.07 | | -26.85 -16.93 | 41.98 31.90 | 7.08 7.08 | | | 241 241 | | Peak Average | VERTICAL VERTICAL |



| Temperature | 23 ℃ | Humidity | 63% | | | | |
|---------------|-------------------|----------------|----------------------------|--|--|--|--|
| Test Engineer | Eddie Weng / Stim | Configurations | IEEE 802.11b CH 6 / Ant. 1 | | | | |
| | Song / Paul Chen | Configurations | IEEE 802.110 CH 6 / Ant. 1 | | | | |
| Test Date | May 20, 2016 | | | | | | |

| | Freq | Level | | Over Limit | | | | | | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|---------------|-------|------|-------|-------|-----|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4870.20 | 46.13 | 74.00 | -27.87 | 40.85 | 7.08 | 31.21 | 33.01 | 144 | 245 | Peak | HORIZONTAL |
| 2 | 4874.08 | 33.42 | 54.00 | -20.58 | 28.14 | 7.08 | 31.21 | 33.01 | 144 | 245 | Average | HORIZONTAL |
| 3 | 7311.30 | 52.54 | 74.00 | -21.46 | 41.96 | 8.77 | 35.99 | 34.18 | 127 | 205 | Peak | HORIZONTAL |
| 4 | 7313.10 | 40.02 | 54.00 | -13.98 | 29.44 | 8.77 | 35.99 | 34.18 | 127 | 205 | Average | HORIZONTAL |

Vertical

| | Freq | Level | | Over Limit | | | | | | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|---------------|-------|------|-------|-------|-----|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4872.72 | 46.20 | 74.00 | -27.80 | 40.92 | 7.08 | 31.21 | 33.01 | 156 | 141 | Peak | VERTICAL |
| 2 | 4874.04 | 33.82 | 54.00 | -20.18 | 28.54 | 7.08 | 31.21 | 33.01 | 156 | 141 | Average | VERTICAL |
| 3 | 7310.40 | 53.02 | 74.00 | -20.98 | 42.44 | 8.77 | 35.99 | 34.18 | 179 | 176 | Peak | VERTICAL |
| 4 | 7311.90 | 40.67 | 54.00 | -13.33 | 30.09 | 8.77 | 35.99 | 34.18 | 179 | 176 | Average | VERTICAL |

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| Temperature | 23°C | Humidity | 63% |
|---------------|---------------------------------------|----------------|-----------------------------|
| Test Engineer | Eddie Weng / Stim Song / Paul Chen | Configurations | IEEE 802.11b CH 11 / Ant. 1 |
| Test Date | May 20, 2016 | | |

| | | | Limit | 0ver | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | | |
|--------|---------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
| | Freq | Level | Line | Limit | Level | Loss | Factor | Factor | | | Remark | Pol/Phase |
| , | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4919.44 | 46.54 | 74.00 | -27.46 | 41.19 | 7.07 | 31.27 | 32.99 | 186 | 252 | Peak | HORIZONTAL |
| 2 | 4924.02 | 33.52 | 54.00 | -20.48 | 28.15 | 7.07 | 31.29 | 32.99 | 186 | 252 | Average | HORIZONTAL |
| 3 | 7386.50 | 52.52 | 74.00 | -21.48 | 41.78 | 8.82 | 36.17 | 34.25 | 129 | 285 | Peak | HORIZONTAL |
| 4 | 7388.14 | 39.90 | 54.00 | -14.10 | 29.16 | 8.82 | 36.17 | 34.25 | 129 | 285 | Average | HORIZONTAL |
| Vertic | al | | | | | | | | | | | |
| | | | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | | |
| | Freq | Level | Line | Limit | Level | Loss | Factor | Factor | | | Remark | Pol/Phase |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4920.20 | 46.20 | 74.00 | -27.80 | 40.85 | 7.07 | 31.27 | 32.99 | 200 | 41 | Peak | VERTICAL |
| 2 | 4923.96 | 35.01 | 54.00 | -18.99 | 29.64 | 7.07 | 31.29 | 32.99 | 200 | 41 | Average | VERTICAL |
| 3 | 7383.68 | 40.35 | 54.00 | -13.65 | 29.61 | 8.82 | 36.17 | 34.25 | 145 | 317 | Average | VERTICAL |
| 4 | 7385.20 | 52.91 | 74.00 | -21.09 | 42.17 | 8.82 | 36.17 | 34.25 | 145 | 317 | Peak | VERTICAL |

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| Temperature | 23°C | Humidity | 63% |
|---------------|---------------------------------------|----------------|----------------------------|
| Test Engineer | Eddie Weng / Stim Song / Paul Chen | Configurations | IEEE 802.11g CH 1 / Ant. 1 |
| Test Date | May 20, 2016 | | |

| | Freq | Level | Limit Line | Over Limit | | | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|--------|---------|--------|---------------|---------------|-------|-------|---------|------------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4821.44 | 33.19 | 54.00 | -20.81 | 28.02 | 7.08 | 31.12 | 33.03 | 178 | 109 | Average | HORIZONTAL |
| 2 | 4827.00 | 46.12 | 74.00 | -27.88 | 40.93 | 7.08 | 31.14 | 33.03 | 178 | 109 | Peak | HORIZONTAL |
| Vertic | cal | | | | | | | | | | | |
| | | | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | | |
| | Freq | Level | Line | Limit | Level | Loss | Factor | Factor | | | Remark | Pol/Phase |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4819.90 | 33.17 | 54.00 | -20.83 | 28.00 | 7.08 | 31.12 | 33.03 | 148 | 167 | Average | VERTICAL |
| 2 | 4827.44 | 46.27 | 74.00 | -27.73 | 41.08 | 7.08 | 31.14 | 33.03 | 148 | 167 | Peak | VERTICAL |

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| Temperature | 23°C | Humidity | 63% | | | |
|---------------|-------------------|----------------|----------------------------|--|--|--|
| Tost Engineer | Eddie Weng / Stim | Configurations | IEEE 802 11 a CH 6 / Apt 1 | | | |
| Test Engineer | Song / Paul Chen | Configurations | IEEE 802.11g CH 6 / Ant. 1 | | | |
| Test Date | May 20, 2016 | | | | | |

Horizontal

| | Freq | Level | | Over Limit | | | | | | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|---------------|-------|------|-------|-------|-----|-------|---------|------------|
| , | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4874.86 | 33.40 | 54.00 | -20.60 | 28.12 | 7.08 | 31.21 | 33.01 | 140 | 144 | Average | HORIZONTAL |
| 2 | 4875.88 | 46.52 | 74.00 | -27.48 | 41.24 | 7.08 | 31.21 | 33.01 | 140 | 144 | Peak | HORIZONTAL |
| 3 | 7311.30 | 53.20 | 74.00 | -20.80 | 42.62 | 8.77 | 35.99 | 34.18 | 141 | 256 | Peak | HORIZONTAL |
| 4 | 7312.78 | 39.56 | 54.00 | -14.44 | 28.98 | 8.77 | 35.99 | 34.18 | 141 | 256 | Average | HORIZONTAL |

Vertical

| | Freq | Level | | Over Limit | | | | | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|---------------|-------|------|-------|-------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4876.94 | 47.04 | 74.00 | -26.96 | 41.75 | 7.08 | 31.21 | 33.00 | 168 | 91 | Peak | VERTICAL |
| 2 | 4878.84 | 33.19 | 54.00 | -20.81 | 27.90 | 7.08 | 31.21 | 33.00 | 168 | 91 | Average | VERTICAL |
| 3 | 7311.72 | 53.40 | 74.00 | -20.60 | 42.82 | 8.77 | 35.99 | 34.18 | 178 | 119 | Peak | VERTICAL |
| 4 | 7315.60 | 39.68 | 54.00 | -14.32 | 29.10 | 8.77 | 35.99 | 34.18 | 178 | 119 | Average | VERTICAL |

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| Temperature | 23 ℃ | Humidity | 63% |
|---------------|---------------------------------------|----------------|-----------------------------|
| Test Engineer | Eddie Weng / Stim Song / Paul Chen | Configurations | IEEE 802.11g CH 11 / Ant. 1 |
| Test Date | May 20, 2016 | | |

| | Freq | Level | Limit Line | Over Limit | Read Level | | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|--------|---------|--------|---------------|---------------|---------------|-------|---------|------------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4925.50 | 47.44 | 74.00 | -26.56 | 42.06 | 7.07 | 31.29 | 32.98 | 117 | 268 | Peak | HORIZONTAL |
| 2 | 4927.78 | 33.19 | 54.00 | -20.81 | 27.81 | 7.07 | 31.29 | 32.98 | 117 | 268 | Average | HORIZONTAL |
| 3 | 7386.18 | 52.72 | 74.00 | -21.28 | 41.98 | 8.82 | 36.17 | 34.25 | 166 | 209 | Peak | HORIZONTAL |
| 4 | 7388.04 | 39.61 | 54.00 | -14.39 | 28.87 | 8.82 | 36.17 | 34.25 | 166 | 209 | Average | HORIZONTAL |
| Vertic | cal | | | | | | | | | | | |
| | | | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | | |
| | Freq | Level | Line | Limit | Level | Loss | Factor | Factor | | | Remark | Pol/Phase |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4925.48 | 46.56 | 74.00 | -27.44 | 41.18 | 7.07 | 31.29 | 32.98 | 137 | 237 | Peak | VERTICAL |
| 2 | 4926.92 | 33.24 | 54.00 | -20.76 | 27.86 | 7.07 | 31.29 | 32.98 | 137 | 237 | Average | VERTICAL |
| 3 | 7383.26 | 52.85 | 74.00 | -21.15 | 42.11 | 8.82 | 36.17 | 34.25 | 196 | 167 | Peak | VERTICAL |
| 4 | 7385.14 | 39.53 | 54.00 | -14.47 | 28.79 | 8.82 | 36.17 | 34.25 | 196 | 167 | Average | VERTICAL |

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| Temperature | 23°C | Humidity | 63% | | |
|---------------|-------------------|----------------|-------------------------------|--|--|
| Tost Engineer | Eddie Weng / Stim | Configurations | IEEE 802.11n MCS0 HT20 CH 1 / | | |
| Test Engineer | Song / Paul Chen | Configurations | Ant. 1 + Ant. 2 + Ant. 3 | | |
| Test Date | May 20, 2016 | | | | |

| | Freq | Level | | | | | | Preamp Factor | | T/Pos | Remark | Pol/Phase |
|---|--------------------|--------|--------|----|------|----|------|------------------|----|-------|-----------------|--------------------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4824.02 4826.94 | | | | | | | | | | Average Peak | HORIZONTAL HORIZONTAL |

Vertical

| | Freq | Level | Limit Line | | | | | | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|---------------|--------|-------|------|-------|-------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4820.66 | 33.34 | 54.00 | -20.66 | 28.17 | 7.08 | 31.12 | 33.03 | 164 | 86 | Average | VERTICAL |
| 2 | 4821.42 | 46.77 | 74.00 | -27.23 | 41.60 | 7.08 | 31.12 | 33.03 | 164 | 86 | Peak | VERTICAL |

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| Temperature | 23°C | Humidity | 63% | | | | |
|---------------|-------------------|----------------|-------------------------------|--|--|--|--|
| Test Engineer | Eddie Weng / Stim | Configurations | IEEE 802.11n MCS0 HT20 CH 6 / | | | | |
| Test Engineer | Song / Paul Chen | Configurations | Ant. 1 + Ant. 2 + Ant. 3 | | | | |
| Test Date | May 20, 2016 | | | | | | |

| | Freq | Level | Limit Line | Over Limit | | | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|-------|---------|--------|---------------|---------------|-------|------|-------|------------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4875.50 | 33.32 | 54.00 | -20.68 | 28.04 | 7.08 | 31.21 | 33.01 | 149 | 206 | Average | HORIZONTAL |
| 2 | 4877.68 | 46.40 | 74.00 | -27.60 | 41.11 | 7.08 | 31.21 | 33.00 | 149 | 206 | Peak | HORIZONTAL |
| 3 | 7313.02 | 39.97 | 54.00 | -14.03 | 29.39 | 8.77 | 35.99 | 34.18 | 162 | 173 | Average | HORIZONTAL |
| 4 | 7313.94 | 53.49 | 74.00 | -20.51 | 42.91 | 8.77 | 35.99 | 34.18 | 162 | 173 | Peak | HORIZONTAL |
| Verti | cal | | | | | | | | | | | |
| | Enon | Lovel | Limit | 0ver | | | | Preamp | | | Domank | 0o1/0hasa |

| | Freq | Level | | Over Limit | | | | • | | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|---------------|-------|------|-------|-------|-----|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4875.20 | 33.64 | 54.00 | -20.36 | 28.36 | 7.08 | 31.21 | 33.01 | 139 | 107 | Average | VERTICAL |
| 2 | 4877.92 | 46.36 | 74.00 | -27.64 | 41.07 | 7.08 | 31.21 | 33.00 | 139 | 107 | Peak | VERTICAL |
| 3 | 7313.94 | 52.71 | 74.00 | -21.29 | 42.13 | 8.77 | 35.99 | 34.18 | 110 | 134 | Peak | VERTICAL |
| 4 | 7314.48 | 39.72 | 54.00 | -14.28 | 29.14 | 8.77 | 35.99 | 34.18 | 110 | 134 | Average | VERTICAL |

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| Temperature | 23°C | Humidity | 63% |
|---------------|-------------------|----------------|---------------------------------|
| Test Engineer | Eddie Weng / Stim | Configurations | IEEE 802.11n MC\$0 HT20 CH 11 / |
| Test Engineer | Song / Paul Chen | Configurations | Ant. 1 + Ant. 2 + Ant. 3 |
| Test Date | May 20, 2016 | | |

| | Freq | Level | | | | | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|--------|-------|------|-------|------------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4927.00 | 46.38 | 74.00 | -27.62 | 41.00 | 7.07 | 31.29 | 32.98 | 145 | 89 | Peak | HORIZONTAL |
| 2 | 4928.84 | 33.42 | 54.00 | -20.58 | 28.04 | 7.07 | 31.29 | 32.98 | 145 | 89 | Average | HORIZONTAL |
| 3 | 7384.04 | 52.47 | 74.00 | -21.53 | 41.73 | 8.82 | 36.17 | 34.25 | 151 | 184 | Peak | HORIZONTAL |
| 4 | 7388.04 | 39.67 | 54.00 | -14.33 | 28.93 | 8.82 | 36.17 | 34.25 | 151 | 184 | Average | HORIZONTAL |

Vertical

| | Freq | Level | | Over Limit | | | | | | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|---------------|-------|------|-------|-------|-----|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4919.64 | 46.03 | 74.00 | -27.97 | 40.68 | 7.07 | 31.27 | 32.99 | 154 | 128 | Peak | VERTICAL |
| 2 | 4925.80 | 33.19 | 54.00 | -20.81 | 27.81 | 7.07 | 31.29 | 32.98 | 154 | 128 | Average | VERTICAL |
| 3 | 7386.90 | 52.59 | 74.00 | -21.41 | 41.85 | 8.82 | 36.17 | 34.25 | 128 | 196 | Peak | VERTICAL |
| 4 | 7390.20 | 39.61 | 54.00 | -14.39 | 28.87 | 8.82 | 36.17 | 34.25 | 128 | 196 | Average | VERTICAL |

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| Temperature | 23°C | Humidity | 63% | | | | |
|---------------|-------------------|----------------|-------------------------------|--|--|--|--|
| Test Engineer | Eddie Weng / Stim | Configurations | IEEE 802.11n MCS0 HT40 CH 3 / | | | | |
| Test Engineer | Song / Paul Chen | Configurations | Ant. 1 + Ant. 2 + Ant. 3 | | | | |
| Test Date | May 20, 2016 | | | | | | |

| | Freq | Level | Limit Line | Over Limit | | | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|--------|---------|--------|---------------|---------------|-------|-------|---------|------------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4839.20 | 33.13 | 54.00 | -20.87 | 27.91 | 7.08 | 31.16 | 33.02 | 120 | 217 | Average | HORIZONTAL |
| 2 | 4846.28 | 46.18 | 74.00 | -27.82 | 40.95 | 7.08 | 31.16 | 33.01 | 120 | 217 | Peak | HORIZONTAL |
| Vertic | cal | | | | | | | | | | | |
| | | | Limit | Over | Read | Cable | Antenna | Preamp | A/Pos | T/Pos | | |
| | Freq | Level | Line | Limit | Level | Loss | Factor | Factor | | | Remark | Pol/Phase |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4839.84 | 33.21 | 54.00 | -20.79 | 27.99 | 7.08 | 31.16 | 33.02 | 172 | 187 | Average | VERTICAL |
| 2 | 4841.92 | 46.31 | 74.00 | -27.69 | 41.09 | 7.08 | 31.16 | 33.02 | 172 | 187 | Peak | VERTICAL |

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| Temperature | 23°C | Humidity | 63% | | | | |
|---------------|-------------------|----------------|-------------------------------|--|--|--|--|
| Tost Engineer | Eddie Weng / Stim | Configurations | IEEE 802.11n MCS0 HT40 CH 6 / | | | | |
| Test Engineer | Song / Paul Chen | Configurations | Ant. 1 + Ant. 2 + Ant. 3 | | | | |
| Test Date | May 20, 2016 | | | | | | |

| | Freq | Level | | | | | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|--------|-------|------|-------|------------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4872.56 | 46.46 | 74.00 | -27.54 | 41.18 | 7.08 | 31.21 | 33.01 | 159 | 162 | Peak | HORIZONTAL |
| 2 | 4878.80 | 33.70 | 54.00 | -20.30 | 28.41 | 7.08 | 31.21 | 33.00 | 159 | 162 | Average | HORIZONTAL |
| 3 | 7313.34 | 53.44 | 74.00 | -20.56 | 42.86 | 8.77 | 35.99 | 34.18 | 144 | 154 | Peak | HORIZONTAL |
| 4 | 7315.72 | 39.98 | 54.00 | -14.02 | 29.35 | 8.78 | 36.03 | 34.18 | 144 | 154 | Average | HORIZONTAL |

Vertical

| | Freq | Level | | Over Limit | | | | | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|---------------|-------|------|-------|-------|-------|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4873.74 | 46.69 | 74.00 | -27.31 | 41.41 | 7.08 | 31.21 | 33.01 | 203 | 216 | Peak | VERTICAL |
| 2 | 4874.82 | 33.99 | 54.00 | -20.01 | 28.71 | 7.08 | 31.21 | 33.01 | 203 | 216 | Average | VERTICAL |
| 3 | 7312.38 | 52.88 | 74.00 | -21.12 | 42.30 | 8.77 | 35.99 | 34.18 | 127 | 184 | Peak | VERTICAL |
| 4 | 7314.32 | 39.90 | 54.00 | -14.10 | 29.32 | 8.77 | 35.99 | 34.18 | 127 | 184 | Average | VERTICAL |

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| Temperature | 23°C | Humidity | 63% | | | | |
|---------------|-------------------|----------------|-------------------------------|--|--|--|--|
| Tost Engineer | Eddie Weng / Stim | Configurations | IEEE 802.11n MCS0 HT40 CH 9 / | | | | |
| Test Engineer | Song / Paul Chen | Configurations | Ant. 1 + Ant. 2 + Ant. 3 | | | | |
| Test Date | May 20, 2016 | | | | | | |

| | Freq | Level | | | | | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|------------------|--|----------------|----------------|------------------|----------------|--------------|----------------|------------------|--------------------------|------------|------------------------------------|--|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 2 3 4 | 4901.48 4904.16 7354.46 7358.82 | 47.62 39.33 | 74.00 54.00 | -26.38 -14.67 | 42.29 28.69 | 7.07 8.79 | 31.25 36.08 | 32.99 34.23 | 138 138 178 178 | 120 188 | Average Peak Average Peak | HORIZONTAL HORIZONTAL HORIZONTAL HORIZONTAL |

Vertical

| | Freq | Level | | Over Limit | | | | | | T/Pos | Remark | Pol/Phase |
|---|---------|--------|--------|---------------|-------|------|-------|-------|-----|-------|---------|-----------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 4900.68 | 33.80 | 54.00 | -20.20 | 28.47 | 7.07 | 31.25 | 32.99 | 148 | 90 | Average | VERTICAL |
| 2 | 4906.88 | 46.71 | 74.00 | -27.29 | 41.38 | 7.07 | 31.25 | 32.99 | 148 | 90 | Peak | VERTICAL |
| 3 | 7351.62 | 39.23 | 54.00 | -14.77 | 28.59 | 8.79 | 36.08 | 34.23 | 179 | 121 | Average | VERTICAL |
| 4 | 7355.00 | 53.17 | 74.00 | -20.83 | 42.53 | 8.79 | 36.08 | 34.23 | 179 | 121 | Peak | VERTICAL |

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = $20 \log Emission$ level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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4.6. Emissions Measurement

4.6.1. Limit

30dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Frequencies | Field Strength | Measurement Distance | | | | |
|-------------|--------------------|----------------------|--|--|--|--|
| (MHz) | (micorvolts/meter) | (meters) | | | | |
| 0.009~0.490 | 2400/F(kHz) | 300 | | | | |
| 0.490~1.705 | 24000/F(kHz) | 30 | | | | |
| 1.705~30.0 | 30 | 30 | | | | |
| 30~88 | 100 | 3 | | | | |
| 88~216 | 150 | 3 | | | | |
| 216~960 | 200 | 3 | | | | |
| Above 960 | 500 | 3 | | | | |

4.6.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

| Spectrum Parameter | Setting |
|---|----------------------------|
| Attenuation | Auto |
| Span Frequency | 100 MHz |
| RBW / VBW (Emission in restricted band) | 1MHz / 3MHz for Peak, |
| | 1MHz / 1/T for Average |
| RBW / VBW (30dBc in any 100 kHz bandwidth emission) | 100 kHz / 300 kHz for Peak |

4.6.3. Test Procedures

For Radiated band edges Measurement:

1. The test procedure is the same as section 4.5.3.

For Radiated Out of Band Emission Measurement:

 Test was performed in accordance with KDB558074 D01 v03r05 for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247 section 11.0 Unwanted Emissions into Non-Restricted Frequency Bands Measurement Procedure.

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4.6.4. Test Setup Layout

For Radiated band edges Measurement:

This test setup layout is the same as that shown in section 4.5.4.

For Radiated Out of Band Emission Measurement:

This test setup layout is the same as that shown in section 4.5.4.

4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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4.6.7. Test Result of Band Edge and Fundamental Emissions

| Temperature | 23 ℃ | Humidity | 63% | | | | |
|---------------|-------------------|----------------|-----------------------------------|--|--|--|--|
| Test Engineer | Eddie Weng / Stim | Configurations | IEEE 802.11b CH 1, 6, 11 / Ant. 1 | | | | |
| | Song / Paul Chen | Configurations | IEEE 602.110 CH 1, 6, 11 / AM. 1 | | | | |
| Test Date | May 21, 2016 | | | | | | |

Channel 1

| | Freq | Level | | Over Limit | | | | | A/Pos | T/Pos | Remark | Pol/Phase |
|-----|---------|--------|--------|---------------|-------|------|-------|------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2369.40 | | | | | | | | 194 | | Peak | HORIZONTAL |
| 2 | 2386.20 | 51.28 | 54.00 | -2.72 | 19.40 | 4.83 | 27.05 | 0.00 | 194 | 360 | Average | HORIZONTAL |
| 3 6 | 2413.00 | 112.44 | | | 80.48 | 4.85 | 27.11 | 0.00 | 194 | 360 | Peak | HORIZONTAL |
| 4 6 | 2413.80 | 108.73 | | | 76.77 | 4.85 | 27.11 | 0.00 | 194 | 360 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

| | Freq | Level | | Over Limit | | | | | A/Pos | T/Pos | Remark | Pol/Phase |
|-----|---------|--------|--------|---------------|-------|------|-------|------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2356.60 | 63.21 | 74.00 | -10.79 | 31.42 | 4.80 | 26.99 | 0.00 | 173 | 0 | Peak | HORIZONTAL |
| 2 | 2390.00 | 46.33 | 54.00 | -7.67 | 14.45 | 4.83 | 27.05 | 0.00 | 173 | 0 | Average | HORIZONTAL |
| 3 0 | 2438.20 | 112.53 | | | 80.50 | 4.87 | 27.16 | 0.00 | 173 | 0 | Peak | HORIZONTAL |
| 4 0 | 2439.00 | 108.86 | | | 76.83 | 4.87 | 27.16 | 0.00 | 173 | 0 | Average | HORIZONTAL |
| 5 | 2514.20 | 47.10 | 54.00 | -6.90 | 14.81 | 4.95 | 27.34 | 0.00 | 173 | 0 | Average | HORIZONTAL |
| 6 | 2516.20 | 64.07 | 74.00 | -9.93 | 31.78 | 4.95 | 27.34 | 0.00 | 173 | 0 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

| | Freq | Level | Limit Line | | | | | | A/Pos | T/Pos | Remark | Pol/Phase |
|-----|---------|--------|---------------|-------|-------|------|-------|------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 0 | 2460.40 | 109.59 | | | 77.49 | 4.89 | 27.21 | 0.00 | 199 | 356 | Average | HORIZONTAL |
| 2 0 | 2462.80 | 113.37 | | | 81.25 | 4.90 | 27.22 | 0.00 | 199 | 356 | Peak | HORIZONTAL |
| 3 | 2483.50 | 53.20 | 54.00 | -0.80 | 21.01 | 4.92 | 27.27 | 0.00 | 199 | 356 | Average | HORIZONTAL |
| 4 | 2542.40 | 64.22 | 74.00 | -9.78 | 31.83 | 4.98 | 27.41 | 0.00 | 199 | 356 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.



| Temperature | 23°C | Humidity | 63% | | | | |
|---------------|---------------------------------------|----------------|-----------------------------------|--|--|--|--|
| Test Engineer | Eddie Weng / Stim Song / Paul Chen | Configurations | IEEE 802.11g CH 1, 6, 11 / Ant. 1 | | | | |
| Test Date | May 21, 2016 | | | | | | |

Channel 1

| | | Freq | Level | | | | | | Preamp Factor | | T/Pos | Remark | Pol/Phase |
|---|---|---------|--------|--------|-------|-------|------|-------|------------------|-----|-------|---------|------------|
| | - | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | | 2390.00 | 52.27 | 54.00 | -1.73 | 20.39 | 4.83 | 27.05 | 0.00 | 119 | 357 | Average | HORIZONTAL |
| 2 | | 2390.00 | 68.50 | 74.00 | -5.50 | 36.62 | 4.83 | 27.05 | 0.00 | 119 | 357 | Peak | HORIZONTAL |
| 3 | 0 | 2417.40 | 100.45 | | | 68.49 | 4.85 | 27.11 | 0.00 | 119 | 357 | Average | HORIZONTAL |
| 4 | 0 | 2418.00 | 110.19 | | | 78.23 | 4.85 | 27.11 | 0.00 | 119 | 357 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

| | Freq | Level | Limit Line | | | | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|-----|---------|--------|---------------|--------|-------|------|-------|------------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2390.00 | 52.06 | 54.00 | -1.94 | 20.18 | 4.83 | 27.05 | 0.00 | 120 | 360 | Average | HORIZONTAL |
| 2 | 2390.00 | 62.54 | 74.00 | -11.46 | 30.66 | 4.83 | 27.05 | 0.00 | 120 | 360 | Peak | HORIZONTAL |
| 3 0 | 2441.40 | 105.36 | | | 73.30 | 4.88 | 27.18 | 0.00 | 120 | 360 | Average | HORIZONTAL |
| 4 0 | 2442.20 | 114.90 | | | 82.84 | 4.88 | 27.18 | 0.00 | 120 | 360 | Peak | HORIZONTAL |
| 5 | 2483.50 | 51.54 | 54.00 | -2.46 | 19.35 | 4.92 | 27.27 | 0.00 | 120 | 360 | Average | HORIZONTAL |
| 6 | 2485.80 | 63.24 | 74.00 | -10.76 | 31.05 | 4.92 | 27.27 | 0.00 | 120 | 360 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

| | Freq | Level | | | | | | Preamp Factor | | T/Pos | Remark | Pol/Phase |
|---|--|-----------------|--------|----|----------------|--------------|----------------|------------------|--------------------------|------------|------------------------------------|--|
| - | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| | 2457.40 2466.20 2483.50 2484.00 | 112.67 52.36 | 54.00 | | 80.55 20.17 | 4.90 4.92 | 27.22 27.27 | 0.00 0.00 | 103 103 103 103 | 355 355 | Average Peak Average Peak | HORIZONTAL HORIZONTAL HORIZONTAL HORIZONTAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.



| Temperature | 23 ℃ | Humidity | 63% |
|---------------|-------------------|----------------|---------------------------------------|
| Tost Engineer | Eddie Weng / Stim | Configurations | IEEE 802.11n MC\$0 HT20 CH 1, 6, 11 / |
| Test Engineer | Song / Paul Chen | Configurations | Ant. 1 + Ant. 2 + Ant. 3 |
| Test Date | May 21, 2016 | | |

Channel 1

| | | Freq | Level | Limit Line | | | | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|---|---|---------|--------|---------------|-------|-------|------|-------|------------------|-------|-------|---------|------------|
| | - | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | | 2389.60 | 69.10 | 74.00 | -4.90 | 37.22 | 4.83 | 27.05 | 0.00 | 134 | 5 | Peak | HORIZONTAL |
| 2 | | 2390.00 | 53.78 | 54.00 | -0.22 | 21.90 | 4.83 | 27.05 | 0.00 | 134 | 5 | Average | HORIZONTAL |
| 3 | 0 | 2405.20 | 114.32 | | | 82.37 | 4.85 | 27.10 | 0.00 | 134 | 5 | Peak | HORIZONTAL |
| 4 | 0 | 2405.40 | 104.55 | | | 72.60 | 4.85 | 27.10 | 0.00 | 134 | 5 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

| | Freq | Level | Limit Line | Over Limit | | | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|-----|---------|--------|---------------|---------------|-------|------|-------|------------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2364.60 | 67.87 | 74.00 | -6.13 | 36.06 | 4.81 | 27.00 | 0.00 | 132 | 2 | Peak | HORIZONTAL |
| 2 | 2388.60 | 52.82 | 54.00 | -1.18 | 20.94 | 4.83 | 27.05 | 0.00 | 132 | 2 | Average | HORIZONTAL |
| 3 0 | 2443.80 | 120.04 | | | 87.98 | 4.88 | 27.18 | 0.00 | 132 | 2 | Peak | HORIZONTAL |
| 4 0 | 2444.20 | 110.79 | | | 78.73 | 4.88 | 27.18 | 0.00 | 132 | 2 | Average | HORIZONTAL |
| 5 | 2492.36 | 63.07 | 74.00 | -10.93 | 30.86 | 4.93 | 27.28 | 0.00 | 132 | 2 | Peak | HORIZONTAL |
| 6 | 2496.70 | 51.38 | 54.00 | -2.62 | 19.14 | 4.94 | 27.30 | 0.00 | 132 | 2 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

| | Freq | Level | | | | | | Preamp Factor | | T/Pos | Remark | Pol/Phase |
|---|--|-----------------|--------|----|----------------------------------|--------------|------|------------------|--------------------------|------------|------------------------------------|--|
| - | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| | 2458.80 2459.00 2483.50 2483.80 | 117.38 53.40 | 54.00 | | 75.41 85.28 21.21 39.21 | 4.89 4.92 | | 0.00 0.00 | 114 114 114 114 | 351 351 | Average Peak Average Peak | HORIZONTAL HORIZONTAL HORIZONTAL HORIZONTAL |

Item 1, 2 are the fundamental frequency at 2462 MHz.



| Temperature | 23°C | Humidity | 63% |
|---------------|-------------------|----------------|-------------------------------------|
| Tost Engineer | Eddie Weng / Stim | Configurations | IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / |
| Test Engineer | Song / Paul Chen | Configurations | Ant. 1 + Ant. 2 + Ant. 3 |
| Test Date | May 21, 2016 | | |

Channel 3

| | | Freq | Level | Limit Line | | | | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|-----|-----|------|--------|---------------|-------|-------|------|-------|------------------|-------|-------|---------|------------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 238 | 6.80 | 52.06 | 54.00 | -1.94 | 20.18 | 4.83 | 27.05 | 0.00 | 114 | 140 | Average | HORIZONTAL |
| 2 | 238 | 6.80 | 65.71 | 74.00 | -8.29 | 33.83 | 4.83 | 27.05 | 0.00 | 114 | 140 | Peak | HORIZONTAL |
| 3 0 | 242 | 6.40 | 105.46 | | | 73.45 | 4.87 | 27.14 | 0.00 | 114 | 140 | Peak | HORIZONTAL |
| 4 0 | 242 | 6.80 | 96.50 | | | 64.49 | 4.87 | 27.14 | 0.00 | 114 | 140 | Average | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

| | Freq | Level | | | | | | Preamp Factor | A/Pos | T/Pos | Remark | Pol/Phase |
|-----|---------|--------|--------|--------|-------|------|-------|------------------|-------|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 | 2390.00 | 50.76 | 54.00 | -3.24 | 18.88 | 4.83 | 27.05 | 0.00 | 152 | 143 | Average | HORIZONTAL |
| 2 | 2390.00 | 66.88 | 74.00 | -7.12 | 35.00 | 4.83 | 27.05 | 0.00 | 152 | 143 | Peak | HORIZONTAL |
| 3 0 | 2424.60 | 109.06 | | | 77.07 | 4.86 | 27.13 | 0.00 | 152 | 143 | Peak | HORIZONTAL |
| 4 0 | 2431.00 | 98.64 | | | 66.63 | 4.87 | 27.14 | 0.00 | 152 | 143 | Average | HORIZONTAL |
| 5 | 2489.00 | 45.92 | 54.00 | -8.08 | 13.73 | 4.92 | 27.27 | 0.00 | 152 | 143 | Average | HORIZONTAL |
| 6 | 2493.00 | 58.88 | 74.00 | -15.12 | 26.67 | 4.93 | 27.28 | 0.00 | 152 | 143 | Peak | HORIZONTAL |

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

| | Freq | Level | | | | | | Preamp Factor | | T/Pos | Remark | Pol/Phase |
|-----|---------|--------|--------|--------|-------|------|-------|------------------|-----|-------|---------|------------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg | | |
| 1 0 | 2439.60 | 107.08 | | | 75.02 | 4.88 | 27.18 | 0.00 | 134 | 146 | Peak | HORIZONTAL |
| 2 0 | 2446.80 | 96.87 | | | 64.79 | 4.89 | 27.19 | 0.00 | 134 | 146 | Average | HORIZONTAL |
| 3 | 2483.50 | 49.35 | 54.00 | -4.65 | 17.16 | 4.92 | 27.27 | 0.00 | 134 | 146 | Average | HORIZONTAL |
| 4 | 2485.60 | 63.69 | 74.00 | -10.31 | 31.50 | 4.92 | 27.27 | 0.00 | 134 | 146 | Peak | HORIZONTAL |

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

Emission level (dBuV/m) = $20 \log Emission$ level (uV/m).

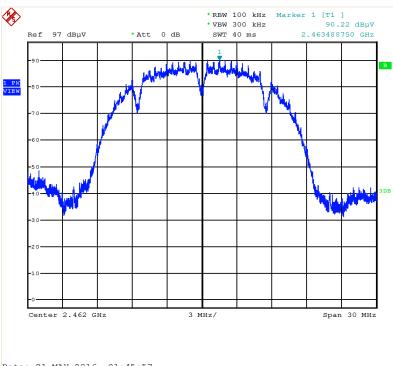
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.





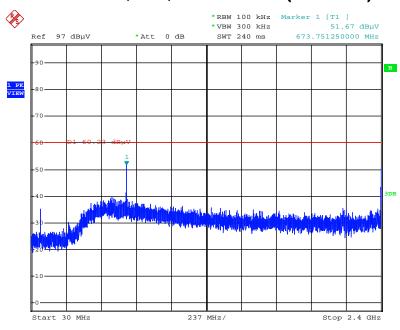
For Emission not in Restricted Band

Plot on Configuration IEEE 802.11b / Reference Level



Date: 21.MAY.2016 01:45:57

Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc)

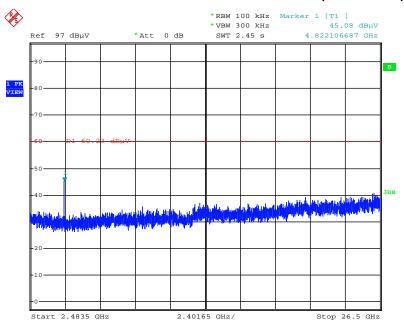


Date: 21.MAY.2016 01:50:04



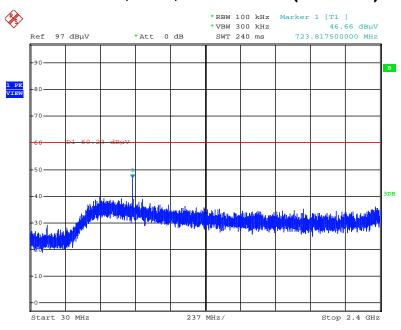


Plot on Configuration IEEE 802.11b / CH 1 / 2483.5MHz~26500MHz (down 30dBc)



Date: 21.MAY.2016 01:49:12

Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc)

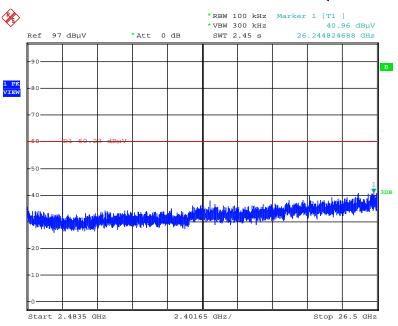


Date: 21.MAY.2016 01:47:38





Plot on Configuration IEEE 802.11b / CH 11 / 2483.5MHz \sim 26500MHz (down 30dBc)

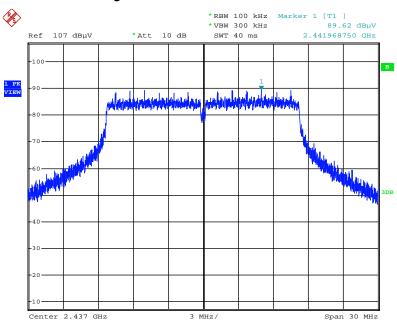


Date: 21.MAY.2016 01:48:32



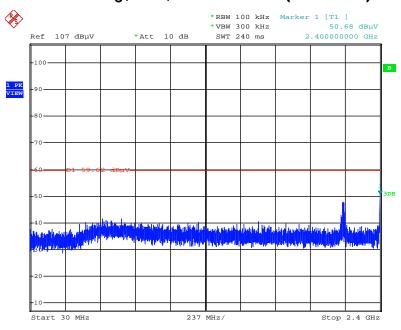


Plot on Configuration IEEE 802.11g / Reference Level



Date: 21.MAY.2016 01:51:17

Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc)

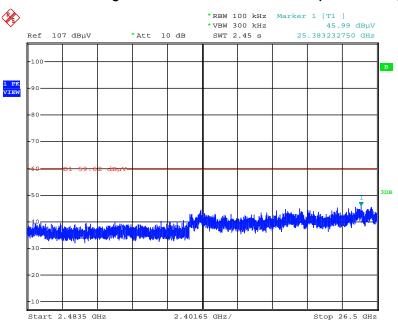


Date: 21.MAY.2016 01:52:30



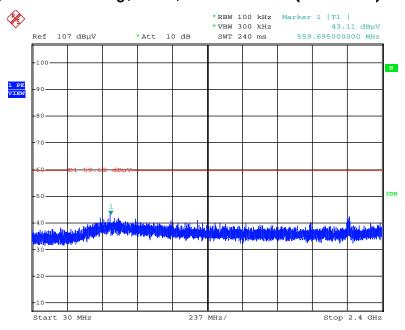


Plot on Configuration IEEE 802.11g / CH 1 / 2483.5MHz~26500MHz (down 30dBc)



Date: 21.MAY.2016 01:52:48

Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc)

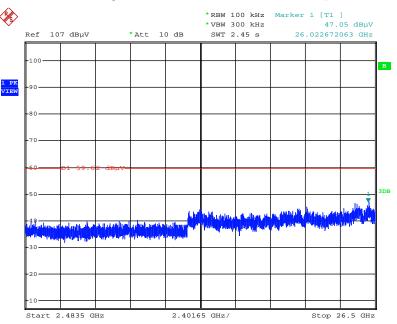


Date: 21.MAY.2016 01:53:51





Plot on Configuration IEEE 802.11g / CH 11 / 2483.5MHz \sim 26500MHz (down 30dBc)



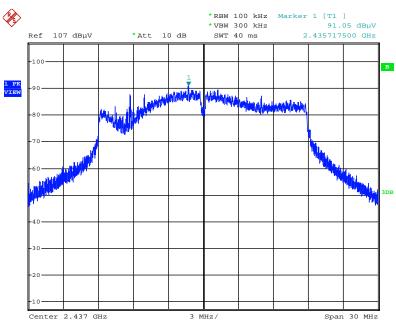
Date: 21.MAY.2016 01:53:33

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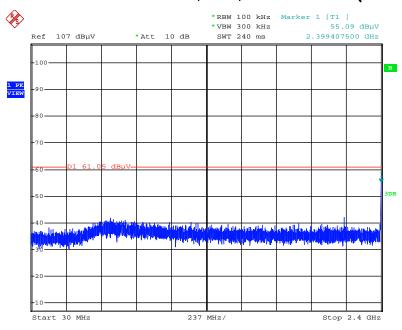


Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



Date: 21.MAY.2016 01:55:46

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)

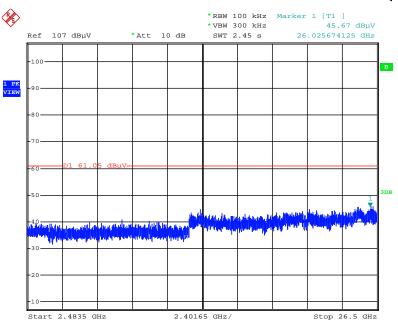


Date: 21.MAY.2016 01:56:47



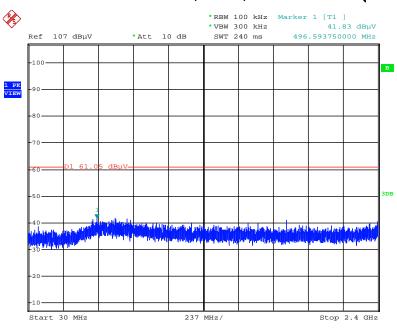


Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2483.5MHz~26500MHz (down 30dBc)



Date: 21.MAY.2016 01:57:08

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 30MHz~2400MHz (down 30dBc)

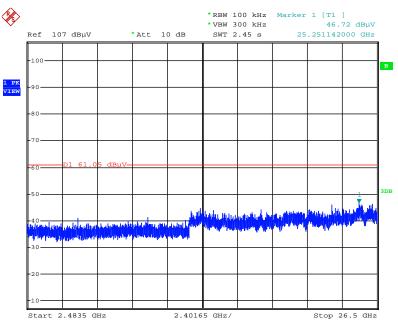


Date: 21.MAY.2016 01:58:50





Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 2483.5MHz~26500MHz (down 30dBc)



Date: 21.MAY.2016 01:58:24

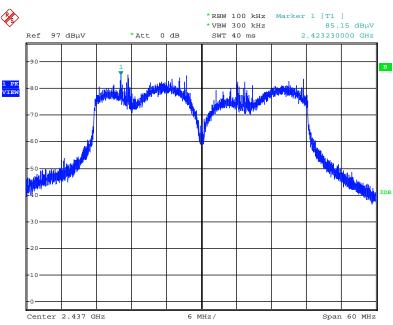
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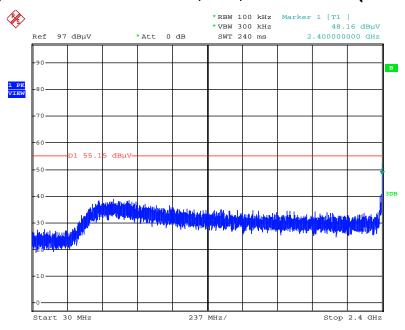


Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



Date: 21.MAY.2016 02:01:19

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 30MHz~2400MHz (down 30dBc)

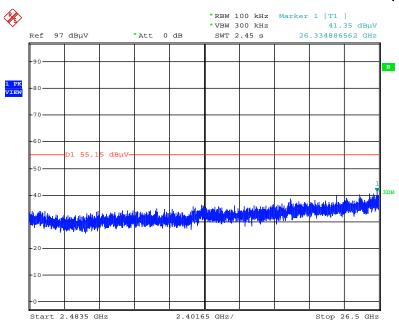


Date: 21.MAY.2016 02:02:22



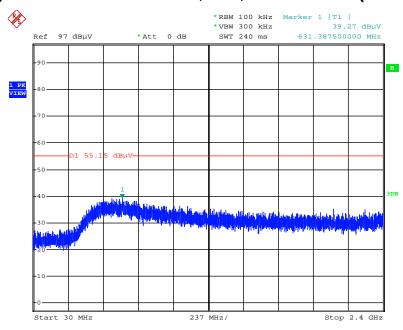


Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2483.5MHz~26500MHz (down 30dBc)



Date: 21.MAY.2016 02:02:40

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 30MHz~2400MHz (down 30dBc)

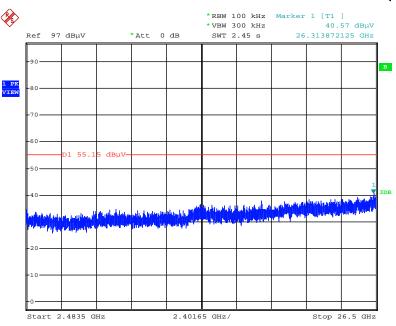


Date: 21.MAY.2016 02:04:24





Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2483.5MHz~26500MHz (down 30dBc)



Date: 21.MAY.2016 02:04:09



4.7. Antenna Requirements

4.7.1. Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

4.7.2. Antenna Connector Construction

Please refer to section 3.3 in this test report; antenna connector complied with the requirements.

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5. LIST OF MEASURING EQUIPMENTS

| EMI Receiver Agilent | Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Remark |
|--|---------------------|--------------|-------------------|--------------|-----------------------|------------------|-------------|
| LISN F.C.C. FCC-LISN-50-16-2 04083 150kHz - 100MHz Dec. 08, 2015 Conduction (CO01-CB) | EMI Receiver | Aailent | N9038A | Mv52260123 | 9kHz ~ 8.45GHz | Jan. 27. 2016 | |
| LISN F.C.C. FCC-LISN-S0-16-2 04083 150kHz - 100MHz Dec. 08, 2015 (CO01-CB) | | | | , | | | ` ' |
| LISN Schwarzbeck NSLK 8127 8127647 9Hz - 30MHz Dec. 23, 2015 Conduction (COOI-CB) | LISN | F.C.C. | FCC-LISN-50-16-2 | 04083 | 150kHz ~ 100MHz | Dec. 08, 2015 | |
| COND Cable | | | | | | | |
| COND Cable Woken Cable 01 150kHz ~ 30MHz May 24, 2016 (CO01-CB) Software Audix E3 6.120210n - N.C.R. Conduction (CO01-CB) BILOG ANTENNA TESEQ CBL6112D 37880 20MHz ~ 2GHz Sep. 03, 2015 Radiation (B3CH01-CB) Loop Antenna Teseq HLA 6120 24155 9kHz ~ 30 MHz Mor. 16, 2016* Radiation (B3CH01-CB) Hom Antenna EMCO 3115 00075790 750MHz ~ 186Hz Oct. 22, 2015 Radiation (B3CH01-CB) Horn Antenna Schwarzbeck BBHA 9170 BBHA9170252 15GHz ~ 40GHz Jul. 21, 2015 Radiation (B3CH01-CB) Pre-Amplifier Aglient 8447D 2944A10991 0.1MHz ~ 1.3GHz Mar. 15, 2016 Radiation (B3CH01-CB) Pre-Amplifier WM TF-130N-R1 923365 26GHz ~ 40GHz Nov. 13, 2015 Radiation (B3CH01-CB) Spectrum Analyzer R85 ESCS 100355 9kHz ~ 2.75GHz May 16, 2016 Radiation (B3CH01-CB) RF Cable-high Woken < | LISN | Schwarzbeck | NSLK 8127 | 8127647 | 9kHz ~ 30MHz | Dec. 23, 2015 | (CO01-CB) |
| Software | COND Cable | Woken | Cable | 01 | 150kHz ~ 30MHz | May 24 2016 | Conduction |
| Software Audix E3 5.120210n - N.C.R. (COO1-CB) | COND CODIE | WOREIT | Cable | | TOOKI IZ *- OOIVII IZ | Way 24, 2010 | (CO01-CB) |
| BILOG ANTENNA TESEQ CBL6112D 37880 20MHz ~ 26Hz Sep. 03, 2015 Radiation (03CH01-CB) | Software | Audix | E3 | 6.120210n | - | N.C.R. | |
| BILOG ANTENNA TESE CBL6112D 37880 20MHz - 26Hz Sep. 03, 2015 (03CH01-CB) Radiction (03CH01-CB) Radicti | | | | | | | |
| Loop Antenna Teseq HLA 6120 24155 9kHz - 30 MHz Mar. 16, 2016* (03CH01-CB) Radiction | BILOG ANTENNA | TESEQ | CBL6112D | 37880 | 20MHz ~ 2GHz | Sep. 03, 2015 | |
| Horn Antenna | Loop Antenna | Tesea | HI A 6120 | 2/155 | 0kHz - 30 MHz | Mar 16 2016* | Radiation |
| Horn Antenna | LOOP Afficilità | leseq | HLA 0120 | 24100 | 9KHZ - 30 WHZ | Wai. 10, 2010 | (03CH01-CB) |
| Horn Antenna | Horn Antenna | EMCO | 3115 | 00075790 | 750MHz ~ 18GHz | Oct. 22, 2015 | |
| Horn Antenna | | | | | | | |
| Pre-Amplifier Aglient 8447D 2944A10991 0.1MHz ~ 1.3GHz Mar. 15, 2016 Radiation (33cH01-CB) Pre-Amplifier Aglient 8449B 3008A02310 1GHz ~ 26.5GHz Jan. 18, 2016 Radiation (33cH01-CB) Pre-Amplifier WM TF-130N-R1 923365 26GHz ~ 40GHz Nov. 13, 2015 Radiation (33cH01-CB) Spectrum Analyzer R&S FSP40 100056 9kHz ~ 40GHz Oct. 27, 2015 Radiation (33cH01-CB) EMI Test R&S ESCS 100355 9kHz ~ 2.75GHz May 16, 2016 Radiation (33cH01-CB) RF Cable-low Woken Low Cable-1 N/A 30 MHz ~ 1 GHz Nov. 02, 2015 Radiation (33cH01-CB) RF Cable-high Woken High Cable-16 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (33cH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 1 8GHz ~ 18 GHz Nov. 02, 2015 Radiation (33cH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (33cH01-CB) | Horn Antenna | Schwarzbeck | BBHA 9170 | BBHA9170252 | 15GHz ~ 40GHz | Jul. 21, 2015 | |
| Pre-Amplifier | | | | | | | |
| Pre-Amplifier Agilent 84498 3008A02310 16Hz ~ 26.5GHz Jan. 18, 2016 (03CH01-CB) Pre-Amplifier WM TF-130N-R1 923365 26GHz ~ 40GHz Nov. 13, 2015 Radiation (03CH01-CB) Spectrum Analyzer R&S FSP40 100056 9kHz ~ 40GHz Cct. 27, 2015 Radiation (03CH01-CB) EMI Test R&S ESCS 100355 9kHz ~ 2.75GHz May 16, 2016 Radiation (03CH01-CB) RF Cable-low Woken Low Cable-1 N/A 30 MHz ~ 1 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-16 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cab | Pre-Amplifier | Agilent | 8447D | 2944A10991 | 0.1MHz ~ 1.3GHz | Mar. 15, 2016 | |
| Pre-Amplifier WM TF-130N-R1 923365 26GHz ~ 40GHz Nov. 13, 2015 Radiation (03CH01-CB) Radiation (03CH01-CB) Spectrum Analyzer R&S FSP40 100056 9kHz ~ 40GHz Oct. 27, 2015 Radiation (03CH01-CB) Radiation (03CH01-CB) EMI Test R&S ESCS 100355 9kHz ~ 2.75GHz May 16, 2016 Radiation (03CH01-CB) Radiation (03CH01-CB) RF Cable-low Woken Low Cable-1 N/A 30 MHz ~ 1 GHz Nov. 02, 2015 Radiation (03CH01-CB) Radiation (03CH01-CB) RF Cable-high Woken High Cable-16 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Radiation (03CH01-CB) RF Cable-high Woken | Dro Amelifiar | Agilopt | 9.4.4OD | 2000402210 | 1CU- 24 ECU- | less 19 2014 | Radiation |
| Pre-Amplifier WM TF-130N-R1 923365 26GHz ~ 40GHz Nov. 13, 2015 (03CH01-CB) Spectrum Analyzer R&S FSP40 100056 9kHz ~ 40GHz Oct. 27, 2015 Radiation (03CH01-CB) EMI Test R&S ESCS 100355 9kHz ~ 2.75GHz May 16, 2016 Radiation (03CH01-CB) RF Cable-low Woken Low Cable-1 N/A 30 MHz ~ 1 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-16 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 1 8GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF | Pre-Amplifier | Aglient | 6449B | 3006A02310 | TGHZ ~ 20.5GHZ | Jan. 16, 2016 | (03CH01-CB) |
| Spectrum Analyzer R&S FSP40 100056 9kHz ~ 40GHz Oct. 27, 2015 Radiation (03CH01-CB) Radiation (03CH01-CB) EMI Test R&S ESCS 100355 9kHz ~ 2.75GHz May 16, 2016 Radiation (03CH01-CB) Radiation (03CH01-CB) RF Cable-low Woken Low Cable-1 N/A 30 MHz ~ 1 GHz Nov. 02, 2015 Radiation (03CH01-CB) Radiation (03CH01-CB) RF Cable-high Woken High Cable-16 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 1 8GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cab | Pre-Amplifier | WM | TF-130N-R1 | 923365 | 26GHz ~ 40GHz | Nov. 13. 2015 | Radiation |
| Spectrum Analyzer R&S FSP40 100056 9kHz ~ 40GHz Oct. 27, 2015 (03CH01-CB) EMI Test R&S ESCS 100355 9kHz ~ 2.75GHz May 16, 2016 Radiation (03CH01-CB) RF Cable-low Woken Low Cable-1 N/A 30 MHz ~ 1 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-16 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) < | • | | | | | , | , |
| EMI Test R&S ESCS 100355 9kHz ~ 2.75GHz May 16, 2016 Radiation (03CH01-CB) RF Cable-low Woken Low Cable-1 N/A 30 MHz ~ 1 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-16 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-17 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Conducted (TH01-CB) < | Spectrum Analyzer | R&S | FSP40 | 100056 | 9kHz ~ 40GHz | Oct. 27, 2015 | |
| EMI Test R&S ESCS 100355 9kHz ~ 2.75GHz May 16, 2016 (03CH01-CB) RF Cable-low Woken Low Cable-1 N/A 30 MHz ~ 1 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-16 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 1 8GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Nov. 02, 2015 Conducted (H01-CB) R | | | | | | | |
| RF Cable-low Woken Low Cable-1 N/A 30 MHz ~ 1 GHz Nov. 02, 2015 (03CH01-CB) RF Cable-high Woken High Cable-16 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz-40GHz Dec. 09, 2015 Conducted (H01-CB) RF Cable-high Woken RG402 High Cable-6 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (H01-CB) | EMI Test | R&S | ESCS | 100355 | 9kHz ~ 2.75GHz | May 16, 2016 | |
| RF Cable-high Woken High Cable-16 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-17 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18 GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18 GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18 GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18 GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18 GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Dec. 09, 2015 Conducted (H01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz ~ 26.5 GHz Nov. 02, 2015 Conducted (H01-CB) | DE Calala lavo | Makan | Law Calala 1 | NI/A | 20 MHz 1 CH- | Nov. 00, 0015 | Radiation |
| RF Cable-high Woken High Cable-16 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 (03CH01-CB) RF Cable-high Woken High Cable-17 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Dec. 09, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-6 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) <td>RF Cable-low</td> <td>woken</td> <td>Low Cable-1</td> <td>IN/A</td> <td>30 IVIHZ ~ 1 GHZ</td> <td>NOV. U2, 2015</td> <td>(03CH01-CB)</td> | RF Cable-low | woken | Low Cable-1 | IN/A | 30 IVIHZ ~ 1 GHZ | NOV. U2, 2015 | (03CH01-CB) |
| RF Cable-high Woken High Cable-17 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Dec. 09, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-6 1 GHz ~ 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz ~ 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) | RF Cable-high | Woken | High Cable-16 | N/A | 1 GHz ~ 18 GHz | Nov. 02. 2015 | |
| RF Cable-high Woken High Cable-17 N/A 1 GHz ~ 18 GHz Nov. 02, 2015 (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Dec. 09, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-6 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) | | | 9 | - 4 | | ,, | , |
| RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Test Software Audix E3 6.2009-I0-7 N/A N/A N/A Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Dec. 09, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-6 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) | RF Cable-high | Woken | High Cable-17 | N/A | 1 GHz ~ 18 GHz | Nov. 02, 2015 | |
| RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Dec. 09, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-6 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) | | | | | | | |
| RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 (03CH01-CB) Test Software Audix E3 6.2009-I0-7 N/A N/A N/A Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Dec. 09, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-6 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) | RF Cable-high | Woken | High Cable-40G-1 | N/A | 18GHz ~ 40 GHz | Nov. 02, 2015 | |
| Test Software Audix E3 6.2009-I0-7 N/A N/A N/A Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Dec. 09, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-6 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) | DE Cable bigh | Wokon | High Cable 40C 2 | NI/A | 19CU- 40 CU- | Nov. 02, 2015 | Radiation |
| Test Software Audix E3 6.2009-I0-7 N/A N/A N/A (03CH01-CB) RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Dec. 09, 2015 Conducted (IH01-CB) RF Cable-high Woken RG402 High Cable-6 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (IH01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (IH01-CB) | Kr Cable-High | Woken | rigii Cable-40G-2 | IN/A | 10GHZ ~ 40 GHZ | NOV. 02, 2015 | (03CH01-CB) |
| RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Dec. 09, 2015 Conducted (IH01-CB) RF Cable-high Woken RG402 High Cable-6 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (IH01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (IH01-CB) | Test Software | Audix | E3 | 6.2009-10-7 | N/A | N/A | |
| RF Cable-high Woken High Cable-40G-1 N/A 18GHz ~ 40 GHz Nov. 02, 2015 (03CH01-CB) RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Dec. 09, 2015 Conducted (IH01-CB) RF Cable-high Woken RG402 High Cable-6 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (IH01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (IH01-CB) | | | | | | - | |
| RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 Radiation (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Dec. 09, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-6 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) | RF Cable-high | Woken | High Cable-40G-1 | N/A | 18GHz ~ 40 GHz | Nov. 02, 2015 | |
| RF Cable-high Woken High Cable-40G-2 N/A 18GHz ~ 40 GHz Nov. 02, 2015 (03CH01-CB) Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Dec. 09, 2015 Conducted (IH01-CB) RF Cable-high Woken RG402 High Cable-6 1 GHz – 26.5 GHz Nov. 02, 2015 Conducted (IH01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz – 26.5 GHz Nov. 02, 2015 Conducted (IH01-CB) | | | | | | | - 1 |
| Spectrum analyzer R&S FSV40 100979 9kHz~40GHz Dec. 09, 2015 (TH01-CB) RF Cable-high Woken RG402 High Cable-6 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) Conducted Conducted Conducted Conducted | RF Cable-high | Woken | High Cable-40G-2 | N/A | 18GHz ~ 40 GHz | Nov. 02, 2015 | |
| RF Cable-high Woken RG402 High Cable-6 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) | Spectrum analyzer | D&C | ESVAO | 10070 | 0kHz~40GHz | Dec 00 2015 | Conducted |
| RF Cable-high Woken RG402 High Cable-6 1 GHz - 26.5 GHz Nov. 02, 2015 (TH01-CB) RF Cable-high Woken RG402 High Cable-7 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) Conducted Conducted Conducted Conducted Conducted | speciful i dialyzei | KOO | 13740 | 100777 | 7K112*-400112 | Dec. 07, 2013 | (TH01-CB) |
| RF Cable-high Woken RG402 High Cable-7 1 GHz - 26.5 GHz Nov. 02, 2015 Conducted (TH01-CB) | RF Cable-high | Woken | RG402 | High Cable-6 | 1 GHz – 26.5 GHz | Nov. 02, 2015 | |
| RF Cable-high Woken RG402 High Cable-7 1 GHz - 26.5 GHz Nov. 02, 2015 (TH01-CB) | | | | - | | | |
| Conducted | RF Cable-high | Woken | RG402 | High Cable-7 | 1 GHz – 26.5 GHz | Nov. 02, 2015 | |
| DECable bigh Walter DO400 Utab Cable 0 1 CU 07 ECU N 00 CO15 CONTRACTOR | | | | | | | |
| RF Cable-high Woken RG402 High Cable-8 1 GHz - 26.5 GHz Nov. 02, 2015 (TH01-CB) | RF Cable-high | Woken | RG402 | High Cable-8 | 1 GHz – 26.5 GHz | Nov. 02, 2015 | |

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| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Remark |
|----------------|--------------|-----------|---------------|------------------|------------------|-----------|
| DE Cable bigh | Wakan | RG402 | High Cable 0 | 1 GHz – 26.5 GHz | Nov. 02. 2015 | Conducted |
| RF Cable-high | Woken | RG402 | High Cable-9 | 1 GHZ - 20.5 GHZ | NOV. U2, 2015 | (TH01-CB) |
| DE Calala hiah | Makan | DC 400 | Himb Cable 10 | 1.00- 04.5.00- | Nov. 00, 0015 | Conducted |
| RF Cable-high | Woken | RG402 | High Cable-10 | 1 GHz – 26.5 GHz | Nov. 02, 2015 | (TH01-CB) |
| Dawer Canaar | Aprilopal | U0001VA | MVF 2 41 0001 | FOMILE 19CUE | Nov. 00, 0015 | Conducted |
| Power Sensor | Agilent | U2021XA | MY53410001 | 50MHz~18GHz | Nov. 02, 2015 | (TH01-CB) |

Note: Calibration Interval of instruments listed above is one year.

N.C.R. means Non-Calibration required.

^{*}Calibration Interval of instruments listed above is two year.



6. MEASUREMENT UNCERTAINTY

| Test Items | Uncertainty | Remark |
|---|-------------|--------------------------|
| Conducted Emission (150kHz \sim 30MHz) | 3.2 dB | Confidence levels of 95% |
| Radiated Emission (30MHz \sim 1,000MHz) | 3.6 dB | Confidence levels of 95% |
| Radiated Emission (1GHz \sim 18GHz) | 3.7 dB | Confidence levels of 95% |
| Radiated Emission (18GHz \sim 40GHz) | 3.5 dB | Confidence levels of 95% |
| Conducted Emission | 1.7 dB | Confidence levels of 95% |

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