

FCC Test Report

for UNII Band1 、 Band2A 、 Band2C

(Class II Permissive Change)

| | |
|--------------|--------------|
| Product Name | Nexus Player |
| Model No | TV500I |
| FCC ID | MSQ-TV500I |

| | |
|-----------|--|
| Applicant | ASUSTeK COMPUTER INC. |
| Address | 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan |

| | |
|-----------------|---------------------|
| Date of Receipt | Nov. 18, 2014 |
| Issued Date | Dec. 23, 2014 |
| Report No. | 1480461R-RFUSP06V00 |
| Report Version | V2.0 |



The test results relate only to the samples tested.
 The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
 This report must not be used to claim product endorsement by TAF or any agency of the government.
 The test report shall not be reproduced without the written approval of Quietek Corporation.

Test Report

Issued Date: Dec. 23, 2014

Report No.: 1480461R-RFUSP06V00



| | |
|---------------------|---|
| Product Name | Nexus Player |
| Applicant | ASUSTeK COMPUTER INC. |
| Address | 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan |
| Manufacturer | Digitek (Chongqing) Limited |
| Model No. | TV500I |
| FCC ID. | MSQ-TV500I |
| EUT Rated Voltage | AC 100-240V, 50/60Hz |
| EUT Test Voltage | AC 120V/60Hz |
| Trade Name | nexus; ASUS |
| Applicable Standard | FCC CFR Title 47 Part 15 Subpart E: 2015 ANSI C63.4: 2014, ANSI C63.10: 2013 789033 D02 General UNII Test Procedures New Rules v01r02 |
| Test Result | Complied |

Documented By :

Rita Huang

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Tested By :

Jack Hsu

(Engineer / Jack Hsu)

Approved By :

Vincent Lin

(Director / Vincent Lin)

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1. GENERAL INFORMATION

1.1. EUT Description

| | |
|--------------------|---|
| Product Name | Nexus Player |
| Trade Name | nexus; ASUS |
| FCC ID. | MSQ-TV500I |
| Model No. | TV500I |
| Frequency Range | 802.11a/n-20MHz: 5180-5320MHz, 5500-5700MHz 802.11n-40MHz: 5190-5310, 5510-5670MHz 802.11ac-20MHz: 5720, 802.11ac-40MHz: 5710 802.11ac-80MHz: 5210-5290MHz, 5530-5690MHz |
| Number of Channels | 802.11a/n-20MHz: 19; 802.11n-40MHz: 9 802.11ac-20MHz: 1, 802.11ac-40MHz: 1, 802.11ac-80MHz: 4 |
| Data Rate | 802.11a: 6 - 54Mbps 802.11n: up to 300Mbps 802.11ac-80MHz: up to 866.7MHz |
| Channel Control | Auto |
| Type of Modulation | 802.11a/n/ac:OFDM, BPSK, QPSK, 16QAM, 64QAM, 256QAM |
| Antenna type | Printed on PCB Antenna |
| Antenna Gain | Refer to the table “Antenna List” |
| Power Adapter | MFR: PIE, M/N: AD2036321 Input: 100-240V, 50/60Hz 0.5A Output: 12V $\overline{=}$ 1.5A Cable out: Shielded, 1.8m |
| Contain Module | Broadcom / BCM4354XKUBG |

Antenna List

| No. | Manufacturer | Part No. | Antenna Type | Peak Gain |
|-----|--------------|--------------------------|------------------------|---|
| 1 | Digitek | N/A (Main). N/A (Aux) | Printed on PCB Antenna | 2.49dBi For 5.15~5.25GHz 2.90dBi For 5.25~5.35GHz 1.72dBi For 5.47~5.725GHz |

Note: The antenna of EUT is conform to FCC 15.203

802.11a/n-20MHz Center Working Frequency of Each Channel:

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
| Channel 36: | 5180 MHz | Channel 40: | 5200 MHz | Channel 44: | 5220 MHz | Channel 48: | 5240 MHz |
| Channel 52: | 5260 MHz | Channel 56: | 5280 MHz | Channel 60: | 5300 MHz | Channel 64: | 5320 MHz |
| Channel 100: | 5500 MHz | Channel 104: | 5520 MHz | Channel 108: | 5540 MHz | Channel 112: | 5560 MHz |
| Channel 116: | 5580 MHz | Channel 120: | 5600 MHz | Channel 124: | 5620 MHz | Channel 128: | 5640 MHz |
| Channel 132: | 5660 MHz | Channel 136: | 5680 MHz | Channel 140: | 5700 MHz | | |

802.11n-40MHz Center Working Frequency of Each Channel:

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
| Channel 38: | 5190 MHz | Channel 46: | 5230 MHz | Channel 54: | 5270 MHz | Channel 62: | 5310 MHz |
| Channel 102: | 5510 MHz | Channel 110: | 5550 MHz | Channel 118: | 5590 MHz | Channel 126: | 5630 MHz |
| Channel 134: | 5670 MHz | | | | | | |

802.11ac-20MHz Center Working Frequency of Each Channel:

| Channel | Frequency |
|--------------|-----------|
| Channel 144: | 5720 MHz |

802.11ac-40MHz Center Working Frequency of Each Channel:

| Channel | Frequency |
|--------------|-----------|
| Channel 142: | 5710 MHz |

802.11ac-80MHz Center Working Frequency of Each Channel:

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|-------------|-----------|-------------|-----------|--------------|-----------|--------------|-----------|
| Channel 42: | 5210 MHz | Channel 58: | 5290 MHz | Channel 106: | 5530 MHz | Channel 138: | 5690 MHz |

Note:

1. This device is a Nexus Player including an IEEE 802.11 a/n/ac WLAN transceiver.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
3. At result of pretests, module supports dual-channel transmission, only the worst case is shown in the report. (802.11a is Chain A, 802.11n/ac is Chain A+ Chain B)
4. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report. (802.11a is 6Mbps, 802.11n-20BW is 14.4Mbps, 802.11n-40BW is 30Mbps, 802.11ac-80BW is 65Mbps)
5. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart E for Unlicensed National Information Infrastructure devices.
6. This is to request a **Class II permissive change** for FCC ID: MSQ-TV500I (originally granted on 10/19/2014)

The major change filed under this application is:

Change #1: Frequency band 3 was previously authorized for this device under section 15.247 of the rules, this permissive change demonstrates compliance with new UNII rules for this same frequency band under section 15.407.

This Change is according to KDB 926956 D01 U-NII Transition Plan v01r05.

The minimum test requirements for Class II permissive change is according Answer of Question 16 section c)3) requirements.

Change #2: The Band 1, Band 2a and Band 2c previously authorized under "Old Rules, a Class II permissive change filing to demonstrate compliance with the "New Rules", all others hardware is identical with original granted.

Change #3: Modify WiFi Antenna layout. (The antenna type is the same, the antenna gain is lower than the original application).

Change #4: Update System Power circuit and layout.

Change #5: Update RF circuit and layout.

Change #6: Update system circuit components(USB,HDMI & Power button).

| | |
|-----------|--|
| Test Mode | Mode 1: Transmit (802.11a-6Mbps) Mode 2: Transmit (802.11n-20BW 14.4Mbps) Mode 3: Transmit (802.11n-40BW 30Mbps) Mode 4: Transmit (802.11ac-20BW-7.2Mbps) Mode 5: Transmit (802.11ac-40BW-15Mbps) Mode 6: Transmit (802.11ac-80BW-65Mbps) |
|-----------|--|

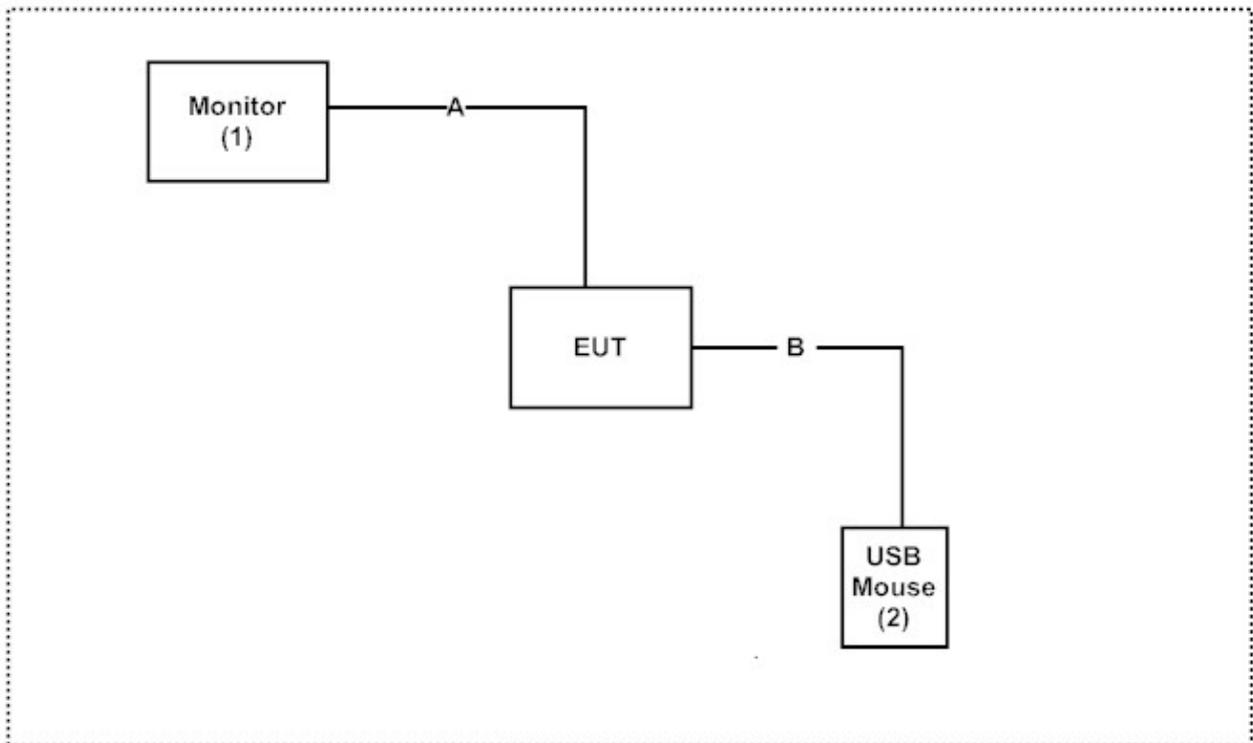
1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

| | Product | Manufacturer | Model No. | Serial No. | Power Cord |
|---|-----------|--------------|-----------|-------------|--------------------|
| 1 | Monitor | DELL | ST2320LF | N/A | Non-Shielded, 1.8m |
| 2 | USB Mouse | Logitech | M-BE58 | LZE11405266 | N/A |

| Signal Cable Type | Signal cable Description |
|-------------------|--------------------------|
| A HDMI Cable | Shielded, 1.8m |
| B Mouse Cable | Shielded, 1.8m |

1.4. Configuration of tested System



1.5. EUT Exercise Software

- (1) Setup the EUT as shown on 1.4
- (2) Execute “WLAN RF Test” program on the EUT.
- (3) Configure the test mode, the test channel, and the data rate.
- (4) Start the continuous transmission.
- (5) Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

| Items | Required (IEC 68-1) | Actual |
|----------------------------|---------------------|----------|
| Temperature (°C) | 15-35 | 20-35 |
| Humidity (%RH) | 25-75 | 50-65 |
| Barometric pressure (mbar) | 860-1060 | 950-1000 |

The related certificate for our laboratories about the test site and management system can be downloaded from

QuieTek Corporation's Web Site : <http://www.quietek.com/chinese/about/certificates.aspx?bval=5>

The address and introduction of Quietek Corporation's laboratories can be founded in our Web site :

<http://www.quietek.com/>

Site Description: File on
 Federal Communications Commission
 FCC Engineering Laboratory
 7435 Oakland Mills Road
 Columbia, MD 21046
 Registration Number: 92195

Site Name: Quietek Corporation
 Site Address: No. 5-22, Ruei-Shu Valley, Ruei-Ping Tsuen,
 Lin-Kou Shiang, Taipei,
 Taiwan, R.O.C.
 TEL: 886-2-8601-3788 / FAX : 886-2-8601-3789
 E-Mail : service@quietek.com

FCC Accreditation Number: TW1014

2. Maximun conducted output power

2.1. Test Equipment

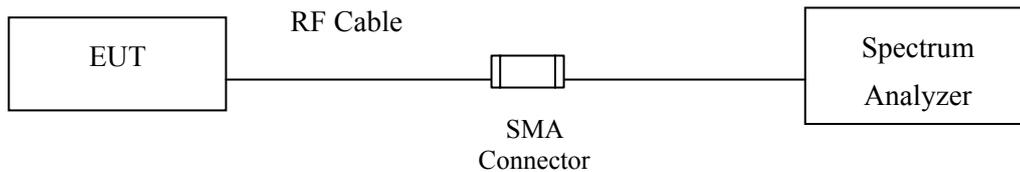
| | Equipment | Manufacturer | Model No./Serial No. | Last Cal. |
|---|-------------------|--------------|----------------------|------------|
| X | Power Meter | Anritsu | ML2495A/6K00003357 | May, 2014 |
| X | Power Sensor | Anritsu | MA2411B/0738448 | Jun., 2014 |
| X | Spectrum Analyzer | Agilent | N9010A / MY48030495 | Apr., 2014 |

Note:

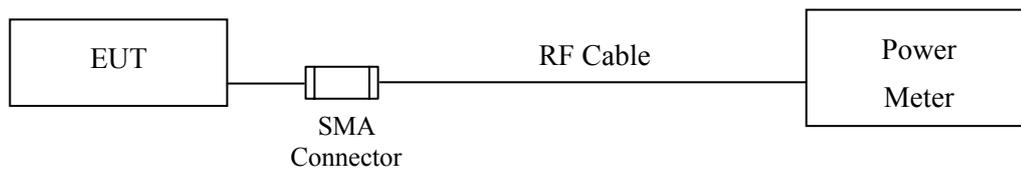
1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

2.2. Test Setup

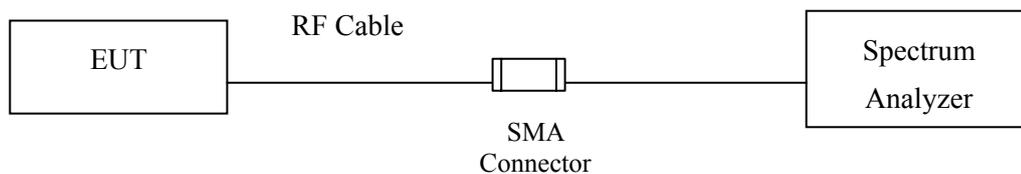
26dBc Occupied Bandwidth



Conduction Power Measurement (for 802.11a)



Conduction Power Measurement (for 802.11ac)



2.3. Limits

2.3.1. For the band 5.15-5.25 GHz,

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W, provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, if transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, if transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

2.3.2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

2.3.3. For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, if transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point UNII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any

corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

2.4. Test Procedure

As an alternative to FCC KDB-789033, the EUT maximum conducted output power was measured with an average power meter employing a video bandwidth greater the 6dB BW of the emission under test. Maximum conducted output power was read directly from the meter across all data rates, and across three channels within each sub-band. Special care was used to make sure that the EUT was transmitting in continuous mode. This method exceeds the limitations of FCC KDB-789033, and provides more accurate measurements.

802.11an (BW \leq 40MHz) Maximum conducted output power using KDB 789033 section E)3)b) Method PM-G (Measurement using a gated RF average power meter)

Note: the power meter have a video bandwidth that is greater than or equal to the measurement bandwidth, (Anritsu/ MA2411B video bandwidth: 65MHz)

802.11ac (BW=80MHz) Maximum conducted output power using KDB 789033 section E)2)b) Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep).

When transmitted signals consist of two or more non-contiguous spectrum segments (e.g., 80+80 MHz mode) or when a single spectrum segment of a transmission crosses the boundary between two adjacent U-NII bands, KDB 644545 D01 section F) procedure is used for measurements.

2.5. Uncertainty

\pm 1.27 dB

2.6. Test Result of Maximum conducted output power

Product : Nexus Player
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)

CHAIN A

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|----------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|----------------|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | 6 | 9 | 12 | 18 | 24 | 36 | 48 | 54 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 36 | 5180 | 13.28 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 44 | 5220 | 13.24 | 13.17 | 13.1 | 13.03 | 12.96 | 12.89 | 12.82 | 12.75 | <24dBm |
| 48 | 5240 | 13.19 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 52 | 5260 | 13.25 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 60 | 5300 | 12.45 | 12.36 | 12.27 | 12.18 | 12.09 | 12 | 11.91 | 11.82 | <24dBm |
| 64 | 5320 | 12.52 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 100 | 5500 | 13.25 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 116 | 5580 | 13.80 | 13.68 | 13.56 | 13.44 | 13.32 | 13.2 | 13.08 | 12.96 | <24dBm |
| 140 | 5700 | 13.79 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

CHAIN B

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|----------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|----------------|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | 6 | 9 | 12 | 18 | 24 | 36 | 48 | 54 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 36 | 5180 | 13.26 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 44 | 5220 | 13.20 | 13.18 | 13.16 | 13.14 | 13.12 | 13.1 | 13.08 | 13.06 | <24dBm |
| 48 | 5240 | 13.06 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 52 | 5260 | 13.18 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 60 | 5300 | 12.39 | 12.27 | 12.15 | 12.03 | 11.91 | 11.79 | 11.67 | 11.55 | <24dBm |
| 64 | 5320 | 12.44 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 100 | 5500 | 13.14 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 116 | 5580 | 13.63 | 13.58 | 13.53 | 13.48 | 13.43 | 13.38 | 13.33 | 13.28 | <24dBm |
| 140 | 5700 | 13.72 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

CHAIN B

| Channel No | Frequency Range (MHz) | 26dB Bandwidth (MHz) | Output Power (dBm) | Output Power Limit | |
|------------|-----------------------|----------------------|--------------------|--------------------|---------------|
| | | | | (dBm) | dBm+10log(BW) |
| 36 | 5180 | 21.250 | 13.28 | 24 | 24.27 |
| 44 | 5220 | 21.150 | 13.24 | 24 | 24.25 |
| 48 | 5240 | 18.300 | 13.19 | 24 | 23.62 |
| 52 | 5260 | 18.400 | 13.25 | 24 | 23.65 |
| 60 | 5300 | 21.250 | 12.45 | 24 | 24.27 |
| 64 | 5320 | 21.350 | 12.52 | 24 | 24.29 |
| 100 | 5500 | 21.200 | 13.25 | 24 | 24.26 |
| 116 | 5580 | 18.400 | 13.80 | 24 | 23.65 |
| 140 | 5700 | 21.300 | 13.79 | 24 | 24.28 |

Note:

1. Power Output Value =Reading value on average power meter + cable loss
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

Product : Nexus Player
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps)

CHAIN A

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|----------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|----------------|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | 14.4 | 28.9 | 43.3 | 57.8 | 86.7 | 115.6 | 130 | 144.4 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 36 | 5180 | 11.28 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 44 | 5220 | 11.27 | 11.12 | 10.97 | 10.82 | 10.67 | 10.52 | 10.37 | 10.22 | <24dBm |
| 48 | 5240 | 11.05 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 52 | 5260 | 11.67 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 60 | 5300 | 11.61 | 11.46 | 11.31 | 11.16 | 11.01 | 10.86 | 10.71 | 10.56 | <24dBm |
| 64 | 5320 | 11.55 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 100 | 5500 | 11.53 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 116 | 5580 | 11.63 | 11.43 | 11.23 | 11.03 | 10.83 | 10.63 | 10.43 | 10.23 | <24dBm |
| 140 | 5700 | 11.72 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

CHAIN B

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|----------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|----------------|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | 14.4 | 28.9 | 43.3 | 57.8 | 86.7 | 115.6 | 130 | 144.4 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 36 | 5180 | 9.20 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 44 | 5220 | 10.02 | 9.87 | 9.72 | 9.57 | 9.42 | 9.27 | 9.12 | 8.97 | <24dBm |
| 48 | 5240 | 10.03 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 52 | 5260 | 10.56 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 60 | 5300 | 10.45 | 10.33 | 10.21 | 10.09 | 9.97 | 9.85 | 9.73 | 9.61 | <24dBm |
| 64 | 5320 | 10.88 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 100 | 5500 | 10.88 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 116 | 5580 | 10.89 | 10.83 | 10.77 | 10.71 | 10.65 | 10.59 | 10.53 | 10.47 | <24dBm |
| 140 | 5700 | 10.88 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

(CHAIN A+ B)

| Channel Number | Frequency (MHz) | 26dB Bandwidth (MHz) | Chain A Power (dBm) | Chain B Power (dBm) | Output Power (dBm) | Output Power Limit | |
|----------------|-----------------|----------------------|---------------------|---------------------|--------------------|--------------------|---------------|
| | | | | | | (dBm) | dBm+10log(BW) |
| 36 | 5180 | 21.850 | 11.28 | 9.20 | 13.37 | 24 | 24.39 |
| 44 | 5220 | 21.650 | 11.27 | 10.02 | 13.70 | 24 | 24.35 |
| 48 | 5240 | 18.850 | 11.05 | 10.03 | 13.58 | 24 | 23.75 |
| 52 | 5260 | 18.850 | 11.67 | 10.56 | 14.16 | 24 | 23.75 |
| 60 | 5300 | 21.550 | 11.61 | 10.45 | 14.08 | 24 | 24.33 |
| 64 | 5320 | 21.700 | 11.55 | 10.88 | 14.24 | 24 | 24.36 |
| 100 | 5500 | 21.650 | 11.53 | 10.88 | 14.23 | 24 | 24.35 |
| 116 | 5580 | 18.950 | 11.63 | 10.89 | 14.29 | 24 | 23.78 |
| 140 | 5700 | 21.850 | 11.72 | 10.88 | 14.33 | 24 | 24.39 |

Note:

1. Power Output Value =Reading value on average power meter + cable loss
2. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
3. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

Product : Nexus Player
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps)

CHAIN A

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|----------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|----------------|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | 30 | 60 | 90 | 120 | 180 | 240 | 270 | 300 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 38 | 5190 | 11.46 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 46 | 5230 | 11.43 | 11.21 | 10.99 | 10.77 | 10.55 | 10.33 | 10.11 | 9.89 | <24dBm |
| 54 | 5270 | 12.08 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 62 | 5310 | 12.02 | 11.91 | 11.8 | 11.69 | 11.58 | 11.47 | 11.36 | 11.25 | <24dBm |
| 102 | 5510 | 11.92 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 110 | 5550 | 11.84 | 11.71 | 11.58 | 11.45 | 11.32 | 11.19 | 11.06 | 10.93 | <24dBm |
| 134 | 5670 | 12.18 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

CHAIN B

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|----------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|----------------|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | 30 | 60 | 90 | 120 | 180 | 240 | 270 | 300 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 38 | 5190 | 9.55 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 46 | 5230 | 10.20 | 10.08 | 9.96 | 9.84 | 9.72 | 9.6 | 9.48 | 9.36 | <24dBm |
| 54 | 5270 | 10.77 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 62 | 5310 | 10.75 | 10.58 | 10.41 | 10.24 | 10.07 | 9.9 | 9.73 | 9.56 | <24dBm |
| 102 | 5510 | 11.22 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 110 | 5550 | 11.22 | 11.09 | 10.96 | 10.83 | 10.7 | 10.57 | 10.44 | 10.31 | <24dBm |
| 134 | 5670 | 11.30 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

(CHAIN A+ B)

| Channel Number | Frequency (MHz) | 26dB Bandwidth (MHz) | Chain A Power (dBm) | Chain B Power (dBm) | Output Power (dBm) | Output Power Limit | |
|----------------|-----------------|----------------------|---------------------|---------------------|--------------------|--------------------|---------------|
| | | | | | | (dBm) | dBm+10log(BW) |
| 38 | 5190 | 39.500 | 11.46 | 9.55 | 13.62 | 24 | 26.97 |
| 46 | 5230 | 39.500 | 11.43 | 10.20 | 13.87 | 24 | 26.97 |
| 54 | 5270 | 39.800 | 12.08 | 10.77 | 14.48 | 24 | 27.00 |
| 62 | 5310 | 39.700 | 12.02 | 10.75 | 14.44 | 24 | 26.99 |
| 102 | 5510 | 39.800 | 11.92 | 11.22 | 14.59 | 24 | 27.00 |
| 110 | 5550 | 40.000 | 11.84 | 11.22 | 14.55 | 24 | 27.02 |
| 134 | 5670 | 40.100 | 12.18 | 11.30 | 14.77 | 24 | 27.03 |

Note:

1. Power Output Value =Reading value on average power meter + cable loss
2. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
3. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

Product : Nexus Player
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11ac-20BW-7.2Mbps)

Chain A

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | |
|----------------|-----------------|--------------------------------|------|------|------|------|------|------|------|------|----------------|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | |
| | | Measurement Level (dBm) | | | | | | | | | |
| 144 (Band3) | 5720 | 9.51 | 9.33 | 9.15 | 8.97 | 8.79 | 8.61 | 8.43 | 8.25 | 8.07 | <24dBm |
| 144 (Band4) | 5720 | 3.88 | 3.66 | 3.44 | 3.22 | 3 | 2.78 | 2.56 | 2.34 | 2.12 | <30dBm |

Note: Maximum conducted output power Value =Reading value on channel power of spectrum analyzer + cable loss

Chain B

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | |
|----------------|-----------------|--------------------------------|------|------|------|------|------|------|------|------|----------------|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | |
| | | Measurement Level (dBm) | | | | | | | | | |
| 144 (Band3) | 5720 | 7.92 | 7.81 | 7.7 | 7.59 | 7.48 | 7.37 | 7.26 | 7.15 | 7.04 | <24dBm |
| 144 (Band4) | 5720 | 2.66 | 2.55 | 2.44 | 2.33 | 2.22 | 2.11 | 2 | 1.89 | 1.78 | <30dBm |

Note: Maximum conducted output power Value =Reading value on channel power of spectrum analyzer + cable loss

Maximum conducted output power Measurement:

| Channel No | Frequency Range (MHz) | 26dB Bandwidth (MHz) | Chain A Power (dBm) | Chain B Power (dBm) | Output Power (dBm) | Output Power Limit | | Result |
|------------|-----------------------|----------------------|---------------------|---------------------|--------------------|--------------------|---------------|--------|
| | | | | | | (dBm) | dBm+10log(BW) | |
| 144(Band3) | 5720 | 15.800 | 9.51 | 7.92 | 11.80 | 24 | 22.99 | Pass |
| 144(Band4) | 5720 | 6.000 | 3.88 | 2.66 | 6.32 | 30 | 18.78 | Pass |

Note: Power Output Value =Reading value on channel power of spectrum analyzer + cable loss

Product : Nexus Player
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (802.11ac-40BW-15Mbps)

Chain A

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | | |
|----------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
| Channel No | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | VTH9 | |
| 142F(Band3) | 5710 | 9.41 | 9.23 | 9.05 | 8.87 | 8.69 | 8.51 | 8.33 | 8.15 | 7.97 | 7.79 | <24dBm |
| 142F(Band4) | 5710 | 0.07 | -0.23 | -0.53 | -0.83 | -1.13 | -1.43 | -1.73 | -2.03 | -2.33 | -2.63 | <30dBm |

Note: Maximum conducted output power Value =Reading value on channel power of spectrum analyzer + cable loss

Chain B

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | | |
|----------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
| Channel No | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | VTH9 | |
| 142F(Band3) | 5710 | 7.92 | 7.71 | 7.5 | 7.29 | 7.08 | 6.87 | 6.66 | 6.45 | 6.24 | 6.03 | <24dBm |
| 142F(Band4) | 5710 | -1.69 | -1.79 | -1.89 | -1.99 | -2.09 | -2.19 | -2.29 | -2.39 | -2.49 | -2.59 | <30dBm |

Note: Maximum conducted output power Value =Reading value on channel power of spectrum analyzer + cable loss

Maximum conducted output power Measurement:

| Channel No | Frequency Range (MHz) | 26dB Bandwidth (MHz) | Chain A Power (dBm) | Chain B Power (dBm) | Output Power (dBm) | Output Power Limit | | Result |
|-------------|-----------------------|----------------------|---------------------|---------------------|--------------------|--------------------|---------------|--------|
| | | | | | | (dBm) | dBm+10log(BW) | |
| 142F(Band3) | 5710 | 34.600 | 9.41 | 7.92 | 11.74 | 24 | 26.39 | Pass |
| 142F(Band4) | 5710 | 5.000 | 0.07 | -1.69 | 2.29 | 30 | 17.99 | Pass |

Note: Power Output Value =Reading value on channel power of spectrum analyzer + cable loss

Product : Nexus Player
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps)

Chain A

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | | |
|----------------|-----------------|--------------------------------|-------|-------|-------|------|-------|-------|-------|-------|-------|----------------|
| Channel No | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | VTH9 | |
| 42 | 5210 | 8.18 | 8.06 | 7.94 | 7.82 | 7.7 | 7.58 | 7.46 | 7.34 | 7.22 | 7.1 | <24dBm |
| 58 | 5290 | 7.45 | 7.3 | 7.15 | 7 | 6.85 | 6.7 | 6.55 | 6.4 | 6.25 | 6.1 | <24dBm |
| 106 | 5530 | 7.46 | 7.26 | 7.06 | 6.86 | 6.66 | 6.46 | 6.26 | 6.06 | 5.86 | 5.66 | <24dBm |
| 138(Band3) | 5690 | 7.5 | 7.43 | 7.36 | 7.29 | 7.22 | 7.15 | 7.08 | 7.01 | 6.94 | 6.87 | <24dBm |
| 138(Band4) | 5690 | -6.56 | -6.77 | -6.98 | -7.19 | -7.4 | -7.61 | -7.82 | -8.03 | -8.24 | -8.45 | <30dBm |

Note: Maximum conducted output power Value =Reading value on channel power of spectrum analyzer + cable loss

Chain B

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | | |
|----------------|-----------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------------|
| Channel No | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | VTH9 | |
| 42 | 5210 | 6.67 | 6.48 | 6.29 | 6.1 | 5.91 | 5.72 | 5.53 | 5.34 | 5.15 | 4.96 | <24dBm |
| 58 | 5290 | 6.56 | 6.46 | 6.36 | 6.26 | 6.16 | 6.06 | 5.96 | 5.86 | 5.76 | 5.66 | <24dBm |
| 106 | 5530 | 6.37 | 6.24 | 6.11 | 5.98 | 5.85 | 5.72 | 5.59 | 5.46 | 5.33 | 5.2 | <24dBm |
| 138(Band3) | 5690 | 6.37 | 6.11 | 5.85 | 5.59 | 5.33 | 5.07 | 4.81 | 4.55 | 4.29 | 4.03 | <24dBm |
| 138(Band4) | 5690 | -7.17 | -7.34 | -7.51 | -7.68 | -7.85 | -8.02 | -8.19 | -8.36 | -8.53 | -8.7 | <30dBm |

Note: Maximum conducted output power Value =Reading value on channel power of spectrum analyzer + cable loss

Maximum conducted output power Measurement:

| Channel No | Frequency Range (MHz) | 26dB Bandwidth (MHz) | Chain A Power (dBm) | Chain B Power (dBm) | Output Power (dBm) | Output Power Limit | | Result |
|------------|-----------------------|----------------------|---------------------|---------------------|--------------------|--------------------|---------------|--------|
| | | | | | | (dBm) | dBm+10log(BW) | |
| 42 | 5210 | 82.600 | 8.18 | 6.67 | 10.50 | 24 | 30.17 | Pass |
| 58 | 5290 | 81.800 | 7.45 | 6.56 | 10.04 | 24 | 30.13 | Pass |
| 106 | 5530 | 82.600 | 7.46 | 6.37 | 9.96 | 24 | 30.17 | Pass |
| 138(Band3) | 5690 | 75.200 | 7.50 | 6.37 | 9.98 | 24 | 29.76 | Pass |
| 138(Band4) | 5690 | 5.600 | -6.56 | -7.17 | -3.84 | 30 | 24.48 | Pass |

Note: Power Output Value =Reading value on channel power of spectrum analyzer + cable loss

3. Radiated Emission

3.1. Test Equipment

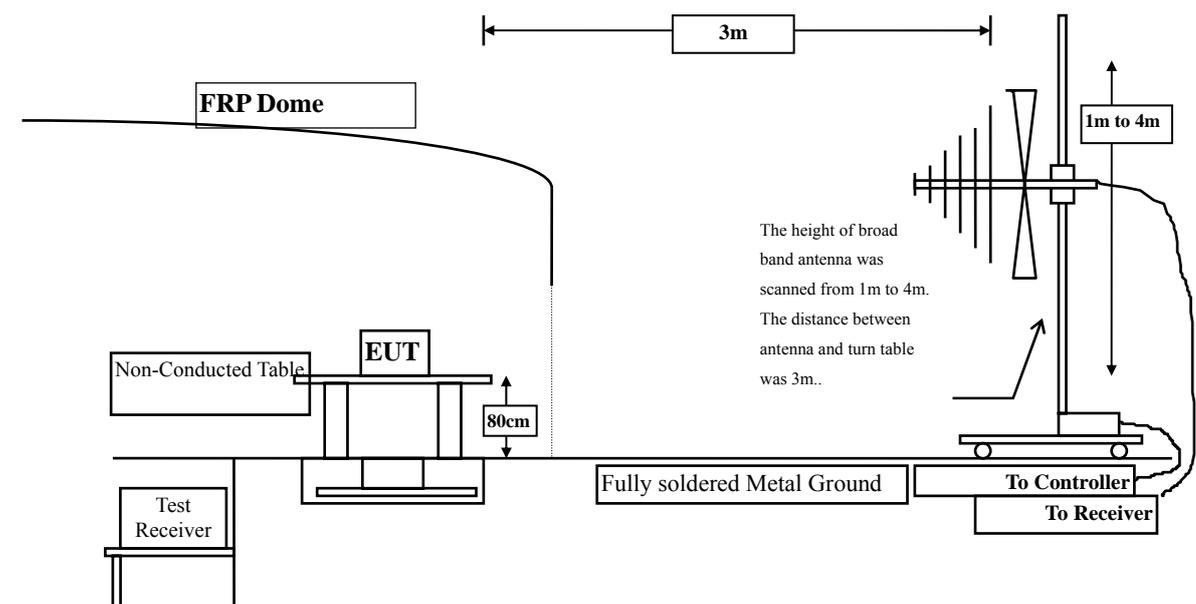
The following test equipments are used during the radiated emission test:

| Test Site | Equipment | Manufacturer | Model No./Serial No. | Last Cal. |
|------------|---------------------|-----------------|-----------------------------|------------|
| ☒ Site # 3 | X Loop Antenna | Teseq | HLA6120 / 26739 | Jul., 2014 |
| | X Bilog Antenna | Schaffner Chase | CBL6112B/2673 | Sep., 2014 |
| | X Horn Antenna | Schwarzbeck | BBHA9120D/D305 | Sep., 2014 |
| | X Horn Antenna | Schwarzbeck | BBHA9170/208 | Jul., 2014 |
| | X Pre-Amplifier | QTK | QTK-AMP-03 / 0003 | May, 2014 |
| | X Pre-Amplifier | QTK | AP-180C / CHM 0906076 | Sep., 2014 |
| | X Pre-Amplifier | MITEQ | AMF-4D-180400-45-6P/ 925975 | Mar., 2014 |
| | X Spectrum Analyzer | Agilent | E4407B / US39440758 | May, 2014 |
| | X Test Receiver | R & S | ESCS 30/ 825442/018 | Sep., 2014 |
| | X Coaxial Cable | QuieTek | QTK-CABLE/ CAB5 | Feb., 2014 |
| | X Controller | QuieTek | QTK-CONTROLLER/ CTRL3 | N/A |
| | X Coaxial Switch | Anritsu | MP59B/6200265729 | N/A |

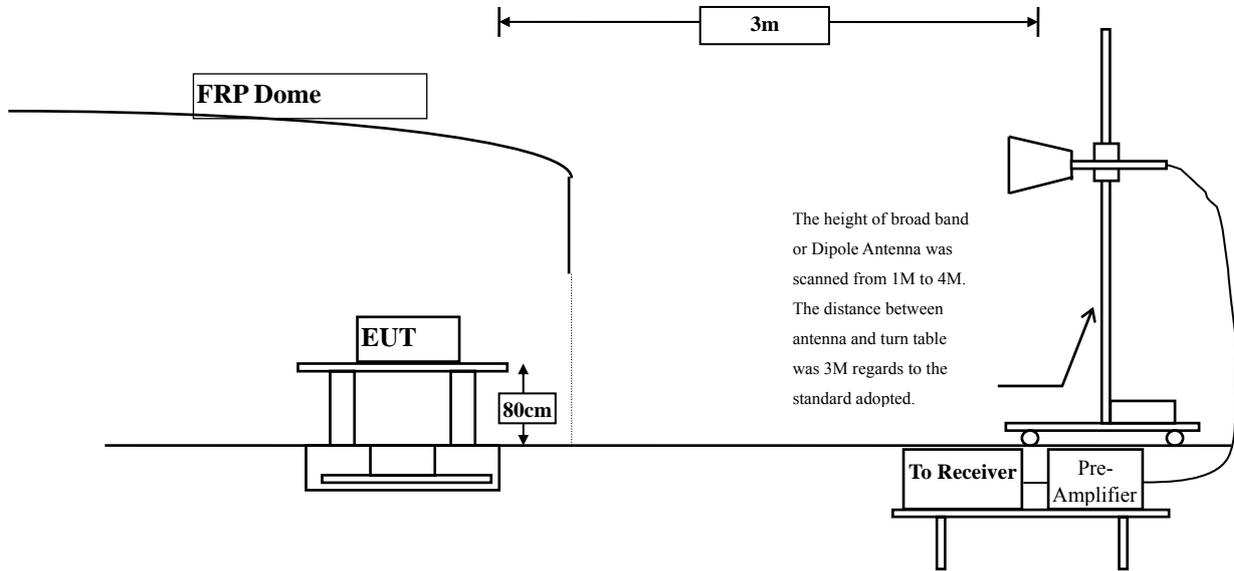
- Note:
1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
 2. The test instruments marked with “X” are used to measure the final test results.

3.2. Test Setup

Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



3.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

| FCC Part 15 Subpart C Paragraph 15.209(a) Limits | | |
|--|-----------------------------------|------------------------------|
| Frequency MHz | Field strength (microvolts/meter) | Measurement distance (meter) |
| 0.009-0.490 | 2400/F(kHz) | 300 |
| 0.490-1.705 | 24000/F(kHz) | 30 |
| 1.705-30 | 30 | 30 |
| 30-88 | 100 | 3 |
| 88-216 | 150 | 3 |
| 216-960 | 200 | 3 |
| Above 960 | 500 | 3 |

Remarks: E field strength (dBμV/m) = 20 log E field strength (uV/m)

3.4. Test Procedure

The EUT was setup according to ANSI C63.10, 2009 and tested according to FCC KDB-789033 test procedure for compliance to FCC 47CFR 15. 407 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10, 2009 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The worst radiated emission is measured in the Open Area Test Site on the Final Measurement.

The measurement frequency range form 9KHz - 10th Harmonic of fundamental was investigated.

3.5. Uncertainty

± 3.8 dB below 1GHz

± 3.9 dB above 1GHz

3.6. Test Result of Radiated Emission

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5180MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10360.000 | 6.000 | 45.360 | 51.360 | -22.640 | 74.000 |
| 15540.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| 31080.000 | * | * | * | * | 74.000 |
| 36260.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10360.000 | 6.490 | 45.505 | 51.995 | -22.005 | 74.000 |
| 15540.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| 31080.000 | * | * | * | * | 74.000 |
| 36260.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10440.000 | 5.952 | 46.702 | 52.654 | -21.346 | 74.000 |
| 15660.000 | * | * | * | * | 74.000 |
| 20880.000 | * | * | * | * | 74.000 |
| 26100.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10440.000 | 6.442 | 46.040 | 52.482 | -21.518 | 74.000 |
| 15660.000 | * | * | * | * | 74.000 |
| 20880.000 | * | * | * | * | 74.000 |
| 26100.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5240MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10480.000 | 5.980 | 46.883 | 52.863 | -21.137 | 74.000 |
| 15720.000 | * | * | * | * | 74.000 |
| 20960.000 | * | * | * | * | 74.000 |
| 26200.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10480.000 | 6.470 | 46.745 | 53.215 | -20.785 | 74.000 |
| 15720.000 | * | * | * | * | 74.000 |
| 20960.000 | * | * | * | * | 74.000 |
| 26200.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5260MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|-----------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10520.000 | 5.940 | 46.109 | 52.049 | -21.951 | 74.000 |
| 15780.000 | * | * | * | * | 74.000 |
| 21040.000 | * | * | * | * | 74.000 |
| 26300.000 | * | * | * | * | 74.000 |
| Average | | | | | |
| Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10520.000 | 6.430 | 45.511 | 51.941 | -22.059 | 74.000 |
| 15780.000 | * | * | * | * | 74.000 |
| 21040.000 | * | * | * | * | 74.000 |
| 26300.000 | * | * | * | * | 74.000 |
| Average | | | | | |
| Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10600.000 | 6.089 | 45.175 | 51.264 | -22.736 | 74.000 |
| 15900.000 | * | * | * | * | 74.000 |
| 21200.000 | * | * | * | * | 74.000 |
| 26500.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10600.000 | 6.579 | 44.902 | 51.481 | -22.519 | 74.000 |
| 15900.000 | * | * | * | * | 74.000 |
| 21200.000 | * | * | * | * | 74.000 |
| 26500.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5320MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10640.000 | 6.075 | 45.937 | 52.012 | -21.988 | 74.000 |
| 15960.000 | * | * | * | * | 74.000 |
| 21280.000 | * | * | * | * | 74.000 |
| 26600.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10640.000 | 6.565 | 45.187 | 51.752 | -22.248 | 74.000 |
| 15960.000 | * | * | * | * | 74.000 |
| 21280.000 | * | * | * | * | 74.000 |
| 26600.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11000.000 | 6.247 | 46.113 | 52.361 | -21.639 | 74.000 |
| 16500.000 | * | * | * | * | 74.000 |
| 22000.000 | * | * | * | * | 74.000 |
| 27500.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 11000.000 | 6.737 | 46.370 | 53.108 | -20.892 | 74.000 |
| 16500.000 | * | * | * | * | 74.000 |
| 22000.000 | * | * | * | * | 74.000 |
| 27500.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11160.000 | 6.596 | 45.895 | 52.491 | -21.509 | 74.000 |
| 16800.000 | * | * | * | * | 74.000 |
| 22400.000 | * | * | * | * | 74.000 |
| 28000.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 11160.000 | 7.086 | 46.533 | 53.619 | -20.381 | 74.000 |
| 16800.000 | * | * | * | * | 74.000 |
| 22400.000 | * | * | * | * | 74.000 |
| 28000.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5700MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11400.000 | 7.083 | 45.137 | 52.219 | -21.781 | 74.000 |
| 17100.000 | * | * | * | * | 74.000 |
| 22800.000 | * | * | * | * | 74.000 |
| 28500.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 11400.000 | 7.573 | 45.344 | 52.916 | -21.084 | 74.000 |
| 17100.000 | * | * | * | * | 74.000 |
| 22800.000 | * | * | * | * | 74.000 |
| 28500.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5180MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10360.000 | 6.000 | 44.380 | 50.380 | -23.620 | 74.000 |
| 15540.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10360.000 | 6.490 | 44.583 | 51.073 | -22.927 | 74.000 |
| 15540.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5220MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10440.000 | 5.952 | 45.024 | 50.976 | -23.024 | 74.000 |
| 15660.000 | * | * | * | * | 74.000 |
| 20880.000 | * | * | * | * | 74.000 |
| 26100.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10440.000 | 6.442 | 44.752 | 51.194 | -22.806 | 74.000 |
| 15660.000 | * | * | * | * | 74.000 |
| 20880.000 | * | * | * | * | 74.000 |
| 26100.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5240MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10480.000 | 5.980 | 44.769 | 50.749 | -23.251 | 74.000 |
| 15720.000 | * | * | * | * | 74.000 |
| 20960.000 | * | * | * | * | 74.000 |
| 26200.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10480.000 | 6.470 | 44.889 | 51.359 | -22.641 | 74.000 |
| 15720.000 | * | * | * | * | 74.000 |
| 20960.000 | * | * | * | * | 74.000 |
| 26200.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5260MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10520.000 | 5.940 | 44.659 | 50.599 | -23.401 | 74.000 |
| 15780.000 | * | * | * | * | 74.000 |
| 21040.000 | * | * | * | * | 74.000 |
| 26300.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10520.000 | 6.430 | 45.061 | 51.491 | -22.509 | 74.000 |
| 15780.000 | * | * | * | * | 74.000 |
| 21040.000 | * | * | * | * | 74.000 |
| 26300.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5300MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10600.000 | 6.089 | 45.265 | 51.354 | -22.646 | 74.000 |
| 15900.000 | * | * | * | * | 74.000 |
| 21200.000 | * | * | * | * | 74.000 |
| 26500.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10600.000 | 6.579 | 44.609 | 51.188 | -22.812 | 74.000 |
| 15900.000 | * | * | * | * | 74.000 |
| 21200.000 | * | * | * | * | 74.000 |
| 26500.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5320MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10640.000 | 6.075 | 45.459 | 51.534 | -22.466 | 74.000 |
| 15960.000 | * | * | * | * | 74.000 |
| 21280.000 | * | * | * | * | 74.000 |
| 26600.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10640.000 | 6.565 | 44.759 | 51.324 | -22.676 | 74.000 |
| 15960.000 | * | * | * | * | 74.000 |
| 21280.000 | * | * | * | * | 74.000 |
| 26600.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5500MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11000.000 | 6.247 | 46.000 | 52.248 | -21.752 | 74.000 |
| 16500.000 | * | * | * | * | 74.000 |
| 22000.000 | * | * | * | * | 74.000 |
| 27500.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 11000.000 | 6.737 | 46.714 | 53.452 | -20.548 | 74.000 |
| 16500.000 | * | * | * | * | 74.000 |
| 22000.000 | * | * | * | * | 74.000 |
| 27500.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5580MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11160.000 | 6.596 | 45.059 | 51.655 | -22.345 | 74.000 |
| 16800.000 | * | * | * | * | 74.000 |
| 22400.000 | * | * | * | * | 74.000 |
| 28000.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 11160.000 | 7.086 | 45.605 | 52.691 | -21.309 | 74.000 |
| 16800.000 | * | * | * | * | 74.000 |
| 22400.000 | * | * | * | * | 74.000 |
| 28000.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5700MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11400.000 | 7.083 | 44.864 | 51.946 | -22.054 | 74.000 |
| 17100.000 | * | * | * | * | 74.000 |
| 22800.000 | * | * | * | * | 74.000 |
| 28500.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 11400.000 | 7.573 | 44.793 | 52.365 | -21.635 | 74.000 |
| 17100.000 | * | * | * | * | 74.000 |
| 22800.000 | * | * | * | * | 74.000 |
| 28500.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5190MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10380.000 | 6.040 | 43.745 | 49.785 | -24.215 | 74.000 |
| 15570.000 | * | * | * | * | 74.000 |
| 20760.000 | * | * | * | * | 74.000 |
| 25950.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10380.000 | 6.530 | 43.587 | 50.117 | -23.883 | 74.000 |
| 15570.000 | * | * | * | * | 74.000 |
| 20760.000 | * | * | * | * | 74.000 |
| 25950.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5230MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10460.000 | 5.972 | 44.105 | 50.077 | -23.923 | 74.000 |
| 15690.000 | * | * | * | * | 74.000 |
| 20920.000 | * | * | * | * | 74.000 |
| 26150.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10460.000 | 6.462 | 44.411 | 50.873 | -23.127 | 74.000 |
| 15690.000 | * | * | * | * | 74.000 |
| 20920.000 | * | * | * | * | 74.000 |
| 26150.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5270MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10540.000 | 5.952 | 44.543 | 50.495 | -23.505 | 74.000 |
| 15810.000 | * | * | * | * | 74.000 |
| 21080.000 | * | * | * | * | 74.000 |
| 26350.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10540.000 | 6.442 | 44.823 | 51.265 | -22.735 | 74.000 |
| 15810.000 | * | * | * | * | 74.000 |
| 21080.000 | * | * | * | * | 74.000 |
| 26350.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5310MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10620.000 | 6.079 | 44.440 | 50.519 | -23.481 | 74.000 |
| 15930.000 | * | * | * | * | 74.000 |
| 21240.000 | * | * | * | * | 74.000 |
| 26550.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10620.000 | 33.139 | 43.999 | 50.568 | -23.432 | 74.000 |
| 15930.000 | * | * | * | * | 74.000 |
| 21240.000 | * | * | * | * | 74.000 |
| 26550.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5510MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11020.000 | 6.198 | 45.931 | 52.129 | -21.871 | 74.000 |
| 15930.000 | * | * | * | * | 74.000 |
| 21240.000 | * | * | * | * | 74.000 |
| 26550.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 11020.000 | 6.688 | 46.637 | 53.325 | -20.675 | 74.000 |
| 15930.000 | * | * | * | * | 74.000 |
| 21240.000 | * | * | * | * | 74.000 |
| 26550.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5550MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11100.000 | 6.482 | 44.789 | 51.271 | -22.729 | 74.000 |
| 16770.000 | * | * | * | * | 74.000 |
| 22360.000 | * | * | * | * | 74.000 |
| 27950.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 11100.000 | 6.972 | 45.311 | 52.283 | -21.717 | 74.000 |
| 16770.000 | * | * | * | * | 74.000 |
| 22360.000 | * | * | * | * | 74.000 |
| 27950.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5670MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|------------------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11340.000 | 6.816 | 43.938 | 50.754 | -23.246 | 74.000 |
| 17010.000 | * | * | * | * | 74.000 |
| 22680.000 | * | * | * | * | 74.000 |
| 28350.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 11340.000 | 7.306 | 44.550 | 51.856 | -22.144 | 74.000 |
| 17010.000 | * | * | * | * | 74.000 |
| 22680.000 | * | * | * | * | 74.000 |
| 28350.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11ac-20BW-7.2Mbps) (5720MHz)

| Frequency MHz | Correct Factor dB | Reading Level dBuV | Measurement Level dBuV/m | Margin dB | Limit dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11440.000 | 6.985 | 44.199 | 51.184 | -22.816 | 74.000 |
| 11550.000 | * | * | * | * | 74.000 |
| 17325.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| 31080.000 | * | * | * | * | 74.000 |
| 36260.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 11440.000 | 7.475 | 44.167 | 51.642 | -22.358 | 74.000 |
| 11550.000 | * | * | * | * | 74.000 |
| 17325.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| 31080.000 | * | * | * | * | 74.000 |
| 36260.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (802.11ac-40BW-15Mbps) (5710MHz)

| Frequency MHz | Correct Factor dB | Reading Level dBuV | Measurement Level dBuV/m | Margin dB | Limit dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11420.000 | 6.892 | 44.600 | 51.492 | -22.508 | 74.000 |
| 11550.000 | * | * | * | * | 74.000 |
| 17325.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| 31080.000 | * | * | * | * | 74.000 |
| 36260.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 11420.000 | 7.382 | 45.100 | 52.482 | -21.518 | 74.000 |
| 11550.000 | * | * | * | * | 74.000 |
| 17325.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| 31080.000 | * | * | * | * | 74.000 |
| 36260.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) (5210MHz)

| Frequency MHz | Correct Factor dB | Reading Level dBuV | Measurement Level dBuV/m | Margin dB | Limit dBuV/m |
|-----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10420.000 | 5.933 | 43.752 | 49.685 | -24.315 | 74.000 |
| 11550.000 | * | * | * | * | 74.000 |
| 17325.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| 31080.000 | * | * | * | * | 74.000 |
| 36260.000 | * | * | * | * | 74.000 |
| Average | | | | | |
| Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10420.000 | 6.423 | 44.228 | 50.651 | -23.349 | 74.000 |
| 11550.000 | * | * | * | * | 74.000 |
| 17325.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| 31080.000 | * | * | * | * | 74.000 |
| 36260.000 | * | * | * | * | 74.000 |
| Average | | | | | |
| Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) (5290MHz)

| Frequency MHz | Correct Factor dB | Reading Level dBuV | Measurement Level dBuV/m | Margin dB | Limit dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 10580.000 | 6.167 | 44.155 | 50.322 | -23.678 | 74.000 |
| 11550.000 | * | * | * | * | 74.000 |
| 17325.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| 31080.000 | * | * | * | * | 74.000 |
| 36260.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 10580.000 | 6.657 | 44.379 | 51.036 | -22.964 | 74.000 |
| 11550.000 | * | * | * | * | 74.000 |
| 17325.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| 31080.000 | * | * | * | * | 74.000 |
| 36260.000 | * | * | * | * | 74.000 |
| Average Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) (5530MHz)

| Frequency MHz | Correct Factor dB | Reading Level dBuV | Measurement Level dBuV/m | Margin dB | Limit dBuV/m |
|-----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11060.000 | 6.660 | 45.323 | 51.982 | -22.018 | 74.000 |
| 11550.000 | * | * | * | * | 74.000 |
| 17325.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| 31080.000 | * | * | * | * | 74.000 |
| 36260.000 | * | * | * | * | 74.000 |
| Average | | | | | |
| Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 11060.000 | 7.150 | 45.342 | 52.491 | -21.509 | 74.000 |
| 11550.000 | * | * | * | * | 74.000 |
| 17325.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| 31080.000 | * | * | * | * | 74.000 |
| 36260.000 | * | * | * | * | 74.000 |
| Average | | | | | |
| Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) (5690MHz)

| Frequency MHz | Correct Factor dB | Reading Level dBuV | Measurement Level dBuV/m | Margin dB | Limit dBuV/m |
|-----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector: | | | | | |
| 11380.000 | 7.092 | 44.164 | 51.256 | -22.744 | 74.000 |
| 11550.000 | * | * | * | * | 74.000 |
| 17325.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| 31080.000 | * | * | * | * | 74.000 |
| 36260.000 | * | * | * | * | 74.000 |
| Average | | | | | |
| Detector: | | | | | |
| * | * | * | * | * | * |
| Vertical | | | | | |
| Peak Detector: | | | | | |
| 11380.000 | 7.582 | 43.919 | 51.501 | -22.499 | 74.000 |
| 11550.000 | * | * | * | * | 74.000 |
| 17325.000 | * | * | * | * | 74.000 |
| 20720.000 | * | * | * | * | 74.000 |
| 25900.000 | * | * | * | * | 74.000 |
| 31080.000 | * | * | * | * | 74.000 |
| 36260.000 | * | * | * | * | 74.000 |
| Average | | | | | |
| Detector: | | | | | |
| * | * | * | * | * | * |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Nexus Player
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|----------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 100.290 | -15.661 | 41.363 | 25.702 | -17.798 | 43.500 |
| 365.986 | -14.003 | 43.358 | 29.355 | -16.645 | 46.000 |
| 572.638 | -7.944 | 43.531 | 35.587 | -10.413 | 46.000 |
| 709.000 | -8.425 | 44.319 | 35.894 | -10.106 | 46.000 |
| 880.507 | -6.916 | 43.447 | 36.531 | -9.469 | 46.000 |
| 991.565 | -6.300 | 45.259 | 38.959 | -15.041 | 54.000 |
| Vertical | | | | | |
| Peak Detector | | | | | |
| 98.884 | -15.863 | 42.813 | 26.949 | -16.551 | 43.500 |
| 205.725 | -12.536 | 44.142 | 31.606 | -11.894 | 43.500 |
| 408.159 | -12.452 | 43.731 | 31.279 | -14.721 | 46.000 |
| 619.029 | -10.169 | 44.267 | 34.098 | -11.902 | 46.000 |
| 762.420 | -9.374 | 44.307 | 34.933 | -11.067 | 46.000 |
| 946.580 | -5.800 | 45.119 | 39.319 | -6.681 | 46.000 |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Nexus Player
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|----------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 100.290 | -15.661 | 43.600 | 27.939 | -15.561 | 43.500 |
| 205.724 | -21.532 | 50.420 | 28.888 | -14.612 | 43.500 |
| 457.362 | -11.542 | 39.942 | 28.400 | -17.600 | 46.000 |
| 567.014 | -8.139 | 42.883 | 34.744 | -11.256 | 46.000 |
| 713.217 | -8.351 | 40.371 | 32.020 | -13.980 | 46.000 |
| 887.536 | -6.992 | 44.082 | 37.091 | -8.909 | 46.000 |
| Vertical | | | | | |
| Peak Detector | | | | | |
| 100.290 | -15.647 | 40.483 | 24.836 | -18.664 | 43.500 |
| 207.130 | -12.526 | 36.483 | 23.957 | -19.543 | 43.500 |
| 396.913 | -12.817 | 43.183 | 30.367 | -15.633 | 46.000 |
| 600.754 | -10.160 | 43.340 | 33.180 | -12.820 | 46.000 |
| 796.159 | -8.815 | 36.249 | 27.434 | -18.566 | 46.000 |
| 900.188 | -5.875 | 46.203 | 40.328 | -5.672 | 46.000 |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Nexus Player
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz)

| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 246.493 | -18.362 | 43.209 | 24.848 | -21.152 | 46.000 |
| 408.159 | -11.642 | 46.983 | 35.341 | -10.659 | 46.000 |
| 543.116 | -9.406 | 39.815 | 30.409 | -15.591 | 46.000 |
| 644.333 | -7.436 | 35.135 | 27.699 | -18.301 | 46.000 |
| 790.536 | -7.129 | 39.177 | 32.048 | -13.952 | 46.000 |
| 935.333 | -6.859 | 45.959 | 39.101 | -6.899 | 46.000 |
| Vertical | | | | | |
| Peak Detector | | | | | |
| 242.275 | -13.096 | 43.669 | 30.574 | -15.426 | 46.000 |
| 408.159 | -12.452 | 42.983 | 30.531 | -15.469 | 46.000 |
| 515.000 | -12.121 | 48.568 | 36.447 | -9.553 | 46.000 |
| 637.304 | -10.028 | 42.300 | 32.272 | -13.728 | 46.000 |
| 762.420 | -9.374 | 43.875 | 34.501 | -11.499 | 46.000 |
| 895.971 | -6.004 | 46.194 | 40.190 | -5.810 | 46.000 |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Nexus Player
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5220MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|----------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 101.696 | -16.060 | 41.436 | 25.376 | -18.124 | 43.500 |
| 280.232 | -18.312 | 43.413 | 25.101 | -20.899 | 46.000 |
| 418.000 | -11.750 | 44.103 | 32.353 | -13.647 | 46.000 |
| 613.406 | -6.988 | 44.740 | 37.751 | -8.249 | 46.000 |
| 796.159 | -6.935 | 44.367 | 37.432 | -8.568 | 46.000 |
| 939.551 | -6.782 | 44.965 | 38.183 | -7.817 | 46.000 |
| Vertical | | | | | |
| Peak Detector | | | | | |
| 100.290 | -15.647 | 42.835 | 27.188 | -16.312 | 43.500 |
| 228.217 | -13.295 | 43.917 | 30.621 | -15.379 | 46.000 |
| 457.362 | -12.588 | 43.780 | 31.192 | -14.808 | 46.000 |
| 613.406 | -10.119 | 44.740 | 34.620 | -11.380 | 46.000 |
| 796.159 | -8.815 | 44.367 | 35.552 | -10.448 | 46.000 |
| 949.391 | -5.795 | 46.010 | 40.215 | -5.785 | 46.000 |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Nexus Player
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5300MHz)

| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 98.884 | -16.070 | 41.173 | 25.102 | -18.398 | 43.500 |
| 243.681 | -18.603 | 45.682 | 27.079 | -18.921 | 46.000 |
| 387.072 | -12.779 | 47.285 | 34.506 | -11.494 | 46.000 |
| 574.043 | -7.913 | 34.725 | 26.811 | -19.189 | 46.000 |
| 706.188 | -8.475 | 42.487 | 34.012 | -11.988 | 46.000 |
| 895.971 | -7.049 | 45.694 | 38.645 | -7.355 | 46.000 |

| | | | | | |
|----------------------|---------|--------|--------|---------|--------|
| Vertical | | | | | |
| Peak Detector | | | | | |
| 205.000 | -12.538 | 44.520 | 31.982 | -11.518 | 43.500 |
| 247.899 | -13.148 | 44.365 | 31.217 | -14.783 | 46.000 |
| 422.217 | -12.673 | 38.921 | 26.248 | -19.752 | 46.000 |
| 569.826 | -10.717 | 43.672 | 32.955 | -13.045 | 46.000 |
| 687.913 | -10.214 | 39.061 | 28.847 | -17.153 | 46.000 |
| 895.971 | -6.004 | 38.694 | 32.690 | -13.310 | 46.000 |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Nexus Player
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5580MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|----------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 305.000 | -18.061 | 44.520 | 26.459 | -19.541 | 46.000 |
| 425.029 | -11.823 | 43.134 | 31.311 | -14.689 | 46.000 |
| 537.493 | -9.588 | 43.109 | 33.521 | -12.479 | 46.000 |
| 637.304 | -7.291 | 31.877 | 24.586 | -21.414 | 46.000 |
| 817.246 | -7.198 | 43.801 | 36.603 | -9.397 | 46.000 |
| 963.449 | -6.499 | 42.968 | 36.470 | -17.530 | 54.000 |
| Vertical | | | | | |
| Peak Detector | | | | | |
| 208.536 | -12.518 | 39.581 | 27.063 | -16.437 | 43.500 |
| 381.449 | -13.964 | 42.288 | 28.325 | -17.675 | 46.000 |
| 485.478 | -12.480 | 44.197 | 31.717 | -14.283 | 46.000 |
| 614.812 | -10.136 | 45.011 | 34.875 | -11.125 | 46.000 |
| 759.609 | -9.456 | 40.043 | 30.587 | -15.413 | 46.000 |
| 939.551 | -5.879 | 47.102 | 41.223 | -4.777 | 46.000 |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Nexus Player
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5190MHz)

| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 100.290 | -15.661 | 41.673 | 26.012 | -17.488 | 43.500 |
| 318.188 | -17.115 | 43.712 | 26.597 | -19.403 | 46.000 |
| 520.623 | -10.294 | 43.681 | 33.387 | -12.613 | 46.000 |
| 640.116 | -7.302 | 43.071 | 35.770 | -10.230 | 46.000 |
| 793.348 | -7.037 | 43.759 | 36.721 | -9.279 | 46.000 |
| 928.304 | -6.987 | 44.752 | 37.765 | -8.235 | 46.000 |
| Vertical | | | | | |
| Peak Detector | | | | | |
| 101.696 | -15.948 | 41.889 | 25.941 | -17.559 | 43.500 |
| 216.971 | -12.835 | 43.145 | 30.310 | -15.690 | 46.000 |
| 427.841 | -12.689 | 42.584 | 29.895 | -16.105 | 46.000 |
| 596.536 | -10.337 | 43.340 | 33.003 | -12.997 | 46.000 |
| 758.203 | -9.492 | 44.155 | 34.664 | -11.336 | 46.000 |
| 936.739 | -5.909 | 44.958 | 39.048 | -6.952 | 46.000 |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Nexus Player
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5270MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|----------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 219.783 | -20.668 | 43.454 | 22.786 | -23.214 | 46.000 |
| 382.855 | -13.018 | 40.891 | 27.874 | -18.126 | 46.000 |
| 510.783 | -10.749 | 42.488 | 31.739 | -14.261 | 46.000 |
| 664.014 | -8.006 | 41.736 | 33.730 | -12.270 | 46.000 |
| 839.739 | -6.845 | 42.488 | 35.643 | -10.357 | 46.000 |
| 947.986 | -6.637 | 46.989 | 40.352 | -5.648 | 46.000 |
| Vertical | | | | | |
| Peak Detector | | | | | |
| 201.507 | -12.561 | 41.187 | 28.626 | -14.874 | 43.500 |
| 336.464 | -17.056 | 40.549 | 23.493 | -22.507 | 46.000 |
| 470.014 | -12.547 | 43.601 | 31.054 | -14.946 | 46.000 |
| 640.116 | -9.982 | 37.866 | 27.884 | -18.116 | 46.000 |
| 801.783 | -8.618 | 42.686 | 34.068 | -11.932 | 46.000 |
| 929.710 | -5.993 | 44.934 | 38.941 | -7.059 | 46.000 |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Nexus Player
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5550MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|----------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 221.188 | -20.603 | 48.327 | 27.724 | -18.276 | 46.000 |
| 412.377 | -11.685 | 43.449 | 31.764 | -14.236 | 46.000 |
| 537.493 | -9.588 | 42.676 | 33.088 | -12.912 | 46.000 |
| 673.855 | -8.024 | 43.523 | 35.499 | -10.501 | 46.000 |
| 804.594 | -6.820 | 38.684 | 31.864 | -14.136 | 46.000 |
| 919.870 | -6.960 | 46.628 | 39.668 | -6.332 | 46.000 |
| Vertical | | | | | |
| Peak Detector | | | | | |
| 119.971 | -19.990 | 47.247 | 27.256 | -16.244 | 43.500 |
| 243.681 | -13.069 | 42.806 | 29.737 | -16.263 | 46.000 |
| 398.319 | -12.691 | 47.683 | 34.992 | -11.008 | 46.000 |
| 606.377 | -10.070 | 39.273 | 29.203 | -16.797 | 46.000 |
| 766.638 | -9.258 | 42.248 | 32.990 | -13.010 | 46.000 |
| 910.029 | -5.830 | 45.110 | 39.281 | -6.719 | 46.000 |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Nexus Player
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11ac-20BW-7.2Mbps) (5720MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|----------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 100.290 | -15.661 | 47.708 | 32.047 | -11.453 | 43.500 |
| 402.536 | -11.731 | 44.498 | 32.767 | -13.233 | 46.000 |
| 505.159 | -10.999 | 43.120 | 32.121 | -13.879 | 46.000 |
| 627.464 | -7.250 | 40.578 | 33.328 | -12.672 | 46.000 |
| 787.725 | -7.221 | 43.198 | 35.978 | -10.022 | 46.000 |
| 922.681 | -6.965 | 47.750 | 40.785 | -5.215 | 46.000 |

| | | | | | |
|----------------------|---------|--------|--------|---------|--------|
| Vertical | | | | | |
| Peak Detector | | | | | |
| 172.250 | -16.699 | 44.570 | 27.871 | -15.629 | 43.500 |
| 236.652 | -13.171 | 47.899 | 34.728 | -11.272 | 46.000 |
| 415.188 | -12.557 | 48.154 | 35.597 | -10.403 | 46.000 |
| 578.261 | -10.744 | 46.865 | 36.120 | -9.880 | 46.000 |
| 721.652 | -9.900 | 44.956 | 35.056 | -10.944 | 46.000 |
| 867.855 | -6.881 | 43.414 | 36.532 | -9.468 | 46.000 |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Nexus Player
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (802.11ac-40BW-15Mbps) (5710MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|----------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 98.884 | -16.070 | 47.298 | 31.227 | -12.273 | 43.500 |
| 261.957 | -18.593 | 47.593 | 29.000 | -17.000 | 46.000 |
| 402.536 | -11.731 | 49.598 | 37.867 | -8.133 | 46.000 |
| 621.841 | -7.202 | 44.150 | 36.948 | -9.052 | 46.000 |
| 800.377 | -6.806 | 42.156 | 35.350 | -10.650 | 46.000 |
| 915.652 | -6.937 | 41.624 | 34.687 | -11.313 | 46.000 |
| Vertical | | | | | |
| Peak Detector | | | | | |
| 101.696 | -15.948 | 48.019 | 32.071 | -11.429 | 43.500 |
| 245.087 | -13.053 | 48.743 | 35.690 | -10.310 | 46.000 |
| 433.464 | -12.621 | 48.460 | 35.839 | -10.161 | 46.000 |
| 590.913 | -10.604 | 45.007 | 34.403 | -11.597 | 46.000 |
| 709.000 | -10.125 | 47.426 | 37.301 | -8.699 | 46.000 |
| 855.203 | -7.583 | 42.052 | 34.469 | -11.531 | 46.000 |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Nexus Player
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) (5210MHz)

| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 100.290 | -15.661 | 40.404 | 24.743 | -18.757 | 43.500 |
| 423.623 | -11.806 | 42.231 | 30.425 | -15.575 | 46.000 |
| 606.377 | -6.814 | 43.030 | 36.216 | -9.784 | 46.000 |
| 732.899 | -7.975 | 43.371 | 35.396 | -10.604 | 46.000 |
| 880.507 | -6.916 | 43.720 | 36.804 | -9.196 | 46.000 |
| 990.159 | -6.329 | 43.231 | 36.901 | -17.099 | 54.000 |
| Vertical | | | | | |
| Peak Detector | | | | | |
| 96.072 | -16.801 | 42.029 | 25.228 | -18.272 | 43.500 |
| 202.913 | -12.552 | 43.287 | 30.736 | -12.764 | 43.500 |
| 433.464 | -12.621 | 42.435 | 29.814 | -16.186 | 46.000 |
| 612.000 | -10.114 | 43.514 | 33.400 | -12.600 | 46.000 |
| 814.435 | -8.562 | 43.734 | 35.172 | -10.828 | 46.000 |
| 995.783 | -5.709 | 44.631 | 38.922 | -15.078 | 54.000 |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Nexus Player
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) (5290MHz)

| Frequency MHz | Correct Factor dB | Reading Level dB μ V | Measurement Level dB μ V/m | Margin dB | Limit dB μ V/m |
|----------------------|-------------------------|--------------------------------|--------------------------------------|--------------|-----------------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 98.884 | -16.070 | 47.398 | 31.327 | -12.173 | 43.500 |
| 277.420 | -18.360 | 48.584 | 30.224 | -15.776 | 46.000 |
| 434.870 | -11.669 | 48.533 | 36.864 | -9.136 | 46.000 |
| 607.783 | -6.848 | 42.821 | 35.973 | -10.027 | 46.000 |
| 709.000 | -8.425 | 43.926 | 35.501 | -10.499 | 46.000 |
| 849.580 | -7.187 | 43.784 | 36.597 | -9.403 | 46.000 |
| Vertical | | | | | |
| Peak Detector | | | | | |
| 212.754 | -12.648 | 48.377 | 35.729 | -7.771 | 43.500 |
| 394.101 | -13.060 | 47.687 | 34.627 | -11.373 | 46.000 |
| 481.261 | -12.480 | 48.404 | 35.924 | -10.076 | 46.000 |
| 631.681 | -10.097 | 48.256 | 38.159 | -7.841 | 46.000 |
| 766.638 | -9.258 | 44.750 | 35.492 | -10.508 | 46.000 |
| 911.435 | -5.830 | 40.683 | 34.853 | -11.147 | 46.000 |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Nexus Player
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) (5690MHz)

| Frequency MHz | Correct Factor dB | Reading Level dBμV | Measurement Level dBμV/m | Margin dB | Limit dBμV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| Horizontal | | | | | |
| Peak Detector | | | | | |
| 101.696 | -16.060 | 48.019 | 31.959 | -11.541 | 43.500 |
| 402.536 | -11.731 | 49.598 | 37.867 | -8.133 | 46.000 |
| 468.609 | -11.459 | 47.691 | 36.232 | -9.768 | 46.000 |
| 569.826 | -7.991 | 41.954 | 33.963 | -12.037 | 46.000 |
| 742.739 | -7.963 | 42.772 | 34.809 | -11.191 | 46.000 |
| 880.507 | -6.916 | 44.982 | 38.066 | -7.934 | 46.000 |

| | | | | | |
|----------------------|---------|--------|--------|---------|--------|
| Vertical | | | | | |
| Peak Detector | | | | | |
| 100.290 | -15.647 | 47.708 | 32.061 | -11.439 | 43.500 |
| 232.435 | -13.233 | 48.083 | 34.850 | -11.150 | 46.000 |
| 402.536 | -12.511 | 49.598 | 37.087 | -8.913 | 46.000 |
| 621.841 | -10.191 | 43.650 | 33.459 | -12.541 | 46.000 |
| 766.638 | -9.258 | 43.950 | 34.692 | -11.308 | 46.000 |
| 849.580 | -7.559 | 43.084 | 35.525 | -10.475 | 46.000 |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

4. Band Edge

4.1. Test Equipment

RF Conducted Measurement

The following test equipments are used during the band edge tests:

| | Equipment | Manufacturer | Model No./Serial No. | Last Cal. |
|---|-------------------|--------------|----------------------|------------|
| | Spectrum Analyzer | R&S | FSP40 / 100170 | Jun, 2014 |
| | Spectrum Analyzer | Agilent | E4407B / US39440758 | Jun, 2014 |
| X | Spectrum Analyzer | Agilent | N9010A / MY48030495 | Apr., 2014 |

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with "X" are used to measure the final test results.

RF Radiated Measurement:

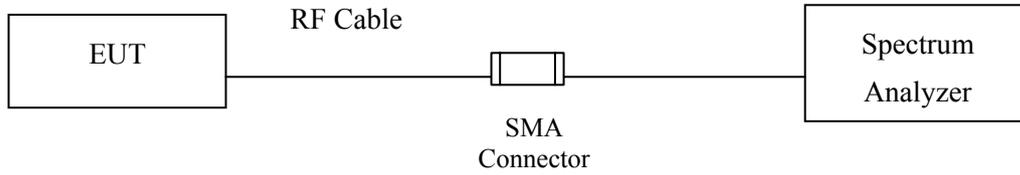
The following test equipments are used during the band edge tests:

| Test Site | Equipment | Manufacturer | Model No./Serial No. | Last Cal. | |
|------------|-----------|-------------------|----------------------|-----------------------------|------------|
| ☒ Site # 3 | | Bilog Antenna | Schaffner Chase | CBL6112B/2673 | Sep., 2014 |
| | X | Horn Antenna | Schwarzbeck | BBHA9120D/D305 | Sep., 2014 |
| | | Horn Antenna | Schwarzbeck | BBHA9170/208 | Jul., 2014 |
| | | Pre-Amplifier | QTK | QTK-AMP-03 / 0003 | May, 2014 |
| | X | Pre-Amplifier | QTK | AP-180C / CHM_0906076 | Sep., 2014 |
| | | Pre-Amplifier | MITEQ | AMF-4D-180400-45-6P/ 925975 | Mar., 2014 |
| | X | Spectrum Analyzer | Agilent | E4407B / US39440758 | May, 2014 |
| | | Test Receiver | R & S | ESCS 30/ 825442/018 | Sep., 2014 |
| | X | Coaxial Cable | QuieTek | QTK-CABLE/ CAB5 | Feb., 2014 |
| | X | Controller | QuieTek | QTK-CONTROLLER/ CTRL3 | N/A |
| | X | Coaxial Switch | Anritsu | MP59B/6200265729 | N/A |

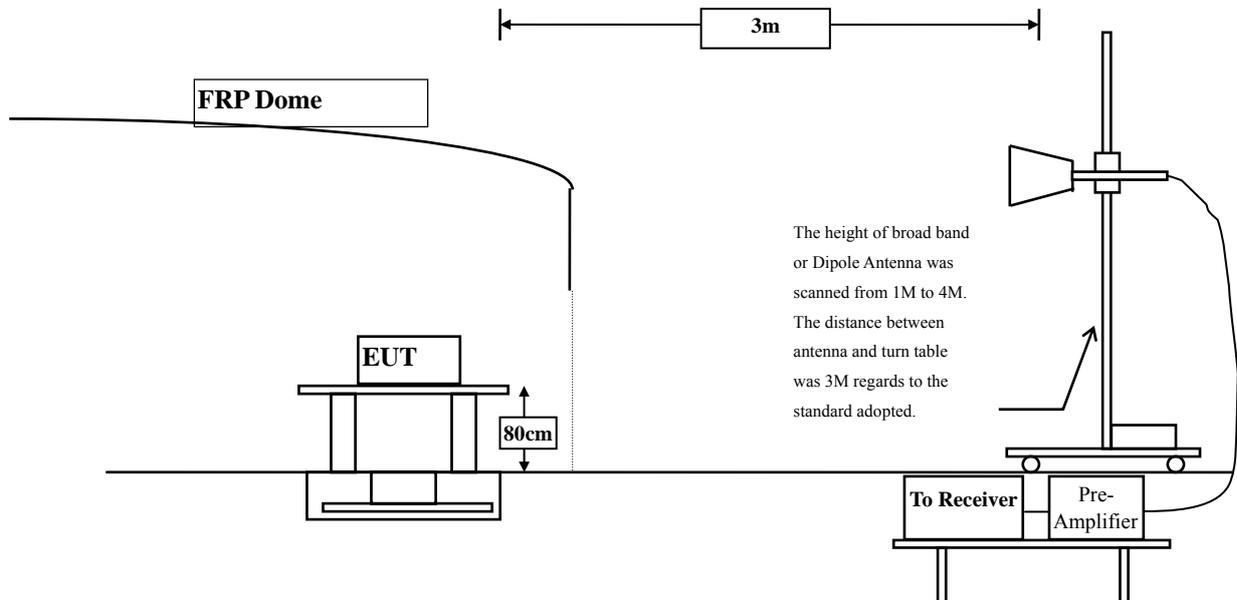
- Note:
1. All instruments are calibrated every one year.
 2. The test instruments marked by "X" are used to measure the final test results.

4.2. Test Setup

RF Conducted Measurement:



RF Radiated Measurement:



4.3. Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.

Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

| FCC Part 15 Subpart C Paragraph 15.209 Limits | | |
|--|----------|-----------|
| Frequency MHz | uV/m @3m | dBµV/m@3m |
| 30-88 | 100 | 40 |
| 88-216 | 150 | 43.5 |
| 216-960 | 200 | 46 |
| Above 960 | 500 | 54 |

- Remarks :
1. RF Voltage (dBµV) = 20 log RF Voltage (uV)
 2. In the Above Table, the tighter limit applies at the band edges.
 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

4.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2009 on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz. The EUT was setup to ANSI C63.10, 2009; tested to DTS test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

4.5. Uncertainty

- ± 3.8 dB below 1GHz
- ± 3.9 dB above 1GHz

4.6. Test Result of Band Edge

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 36

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 36 (Peak) | 5150.000 | 12.925 | 46.073 | 58.998 | 74.00 | 54.00 | Pass |
| 36 (Peak) | 5178.365 | 13.074 | 95.526 | 108.599 | -- | -- | -- |
| 36 (Average) | 5150.000 | 12.925 | 31.028 | 43.953 | 74.00 | 54.00 | Pass |
| 36 (Average) | 5182.532 | 13.103 | 81.601 | 94.705 | -- | -- | -- |

Figure Channel 36: Horizontal (Peak)

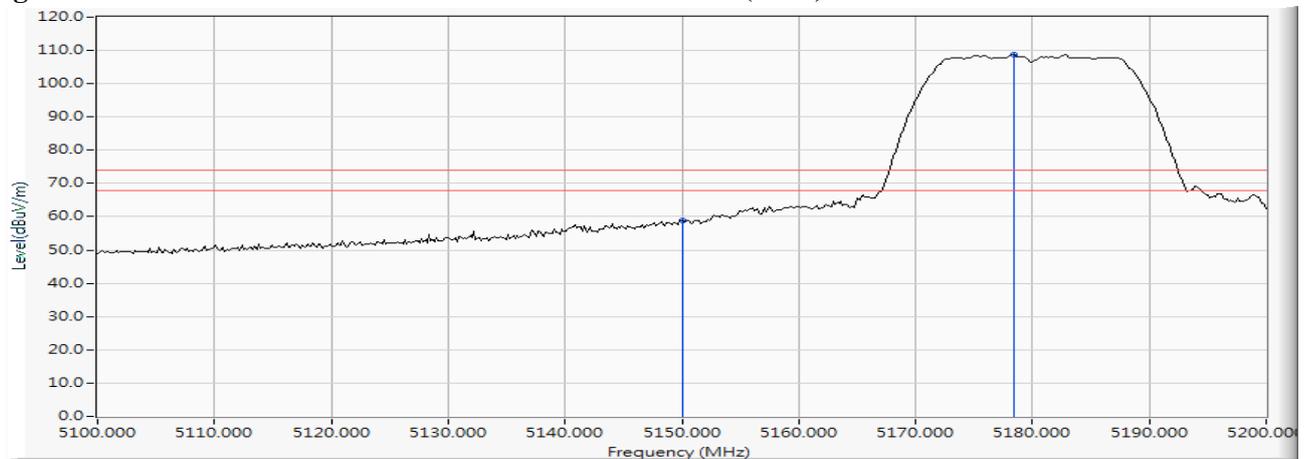
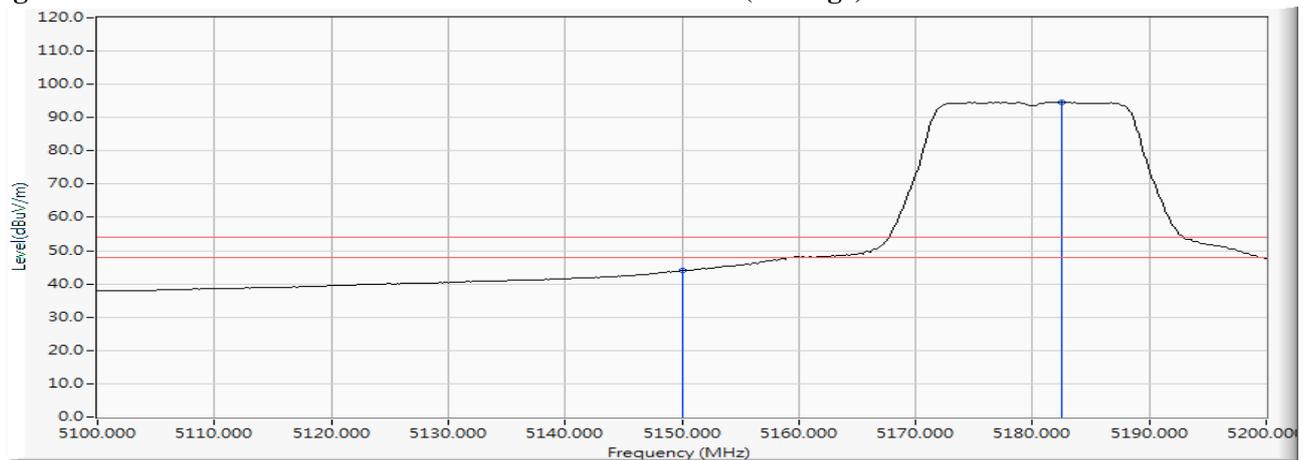


Figure Channel 36: Horizontal (Average)



- Note: 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
 4. “ * ”, means this data is the worst emission level.
 5. Measurement Level = Reading Level + Correct Factor.
 6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 36

RF Radiated Measurement (Vertical):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 36 (Peak) | 5147.276 | 12.908 | 39.232 | 52.140 | 74.00 | 54.00 | Pass |
| 36 (Peak) | 5150.000 | 12.925 | 38.287 | 51.212 | 74.00 | 54.00 | Pass |
| 36 (Peak) | 5178.205 | 13.073 | 89.124 | 102.196 | -- | -- | -- |
| 36 (Average) | 5150.000 | 12.925 | 26.003 | 38.928 | 74.00 | 54.00 | Pass |
| 36 (Average) | 5181.571 | 13.097 | 75.375 | 88.472 | -- | -- | -- |

Figure Channel 36: Vertical (Peak)

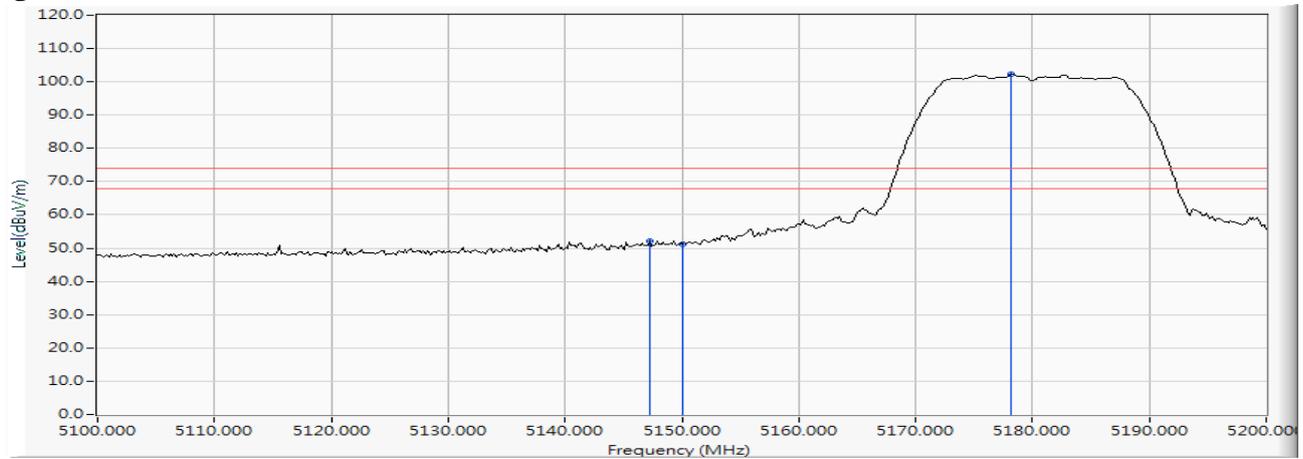
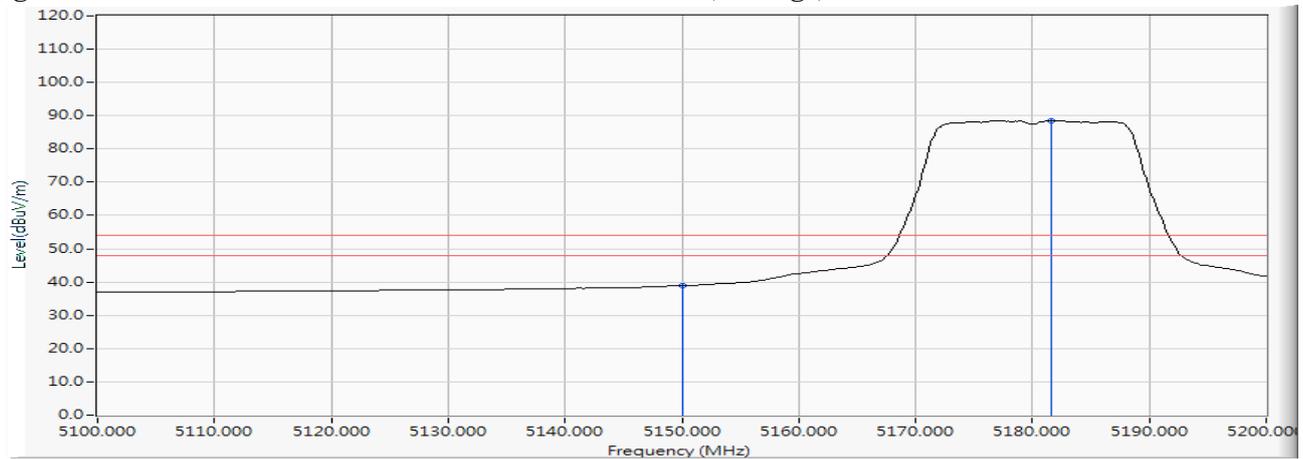


Figure Channel 36: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 64 (Peak) | 5318.109 | 13.138 | 92.486 | 105.625 | -- | -- | -- |
| 64 (Peak) | 5350.000 | 13.424 | 39.381 | 52.804 | 74.00 | 54.00 | Pass |
| 64 (Peak) | 5351.122 | 13.418 | 41.878 | 55.297 | 74.00 | 54.00 | Pass |
| 64 (Average) | 5321.474 | 13.171 | 78.840 | 92.011 | -- | -- | -- |
| 64 (Average) | 5350.000 | 13.424 | 27.693 | 41.116 | 74.00 | 54.00 | Pass |
| 64 (Average) | 5351.442 | 13.418 | 27.729 | 41.147 | 74.00 | 54.00 | Pass |

Figure Channel 64: Horizontal (Peak)

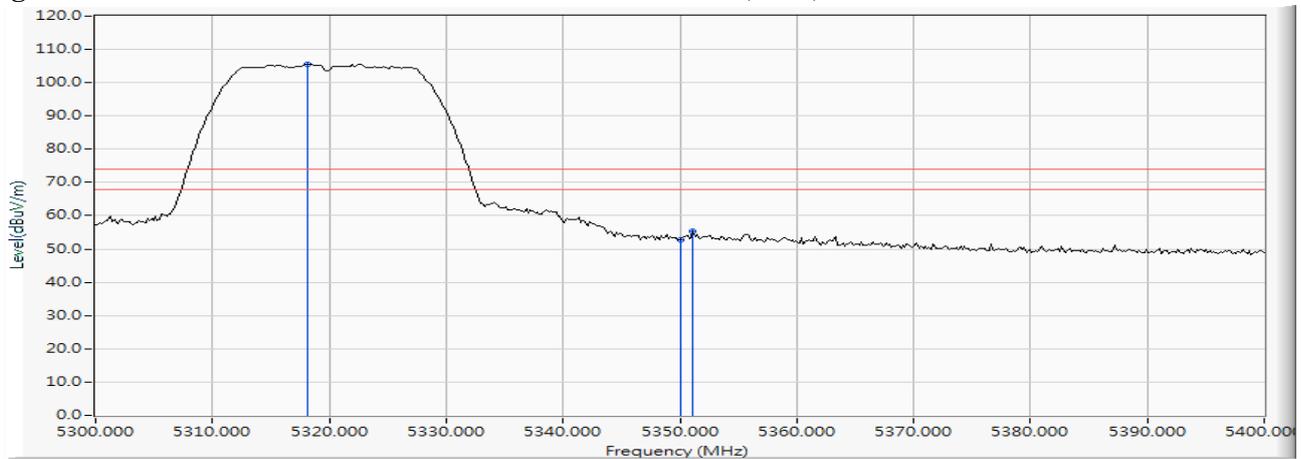
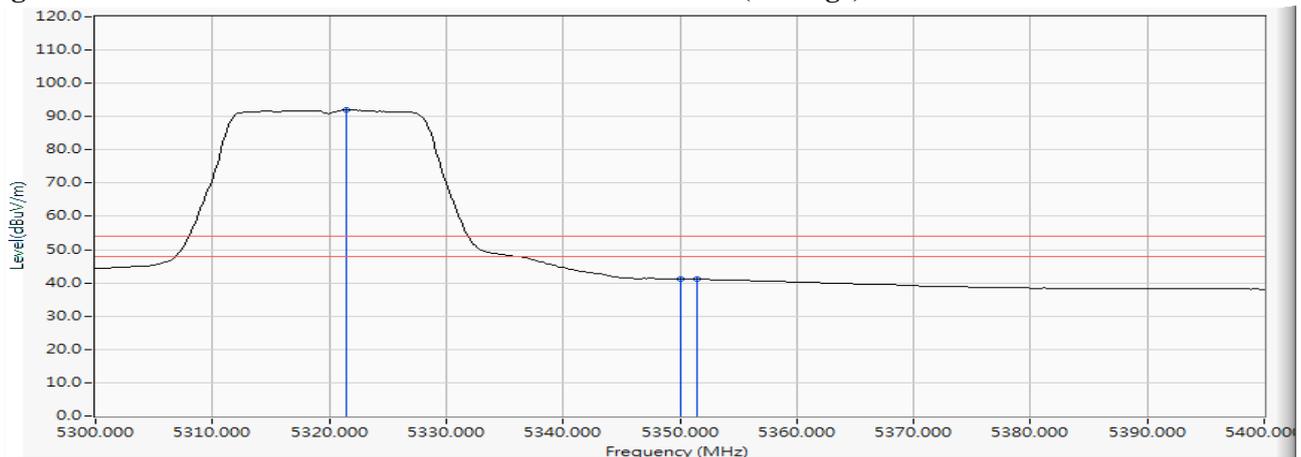


Figure Channel 64: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64

RF Radiated Measurement (Vertical):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 64 (Peak) | 5318.109 | 13.138 | 87.455 | 100.594 | -- | -- | -- |
| 64 (Peak) | 5350.000 | 13.424 | 36.444 | 49.867 | 74.00 | 54.00 | Pass |
| 64 (Peak) | 5351.122 | 13.418 | 38.714 | 52.133 | 74.00 | 54.00 | Pass |
| 64 (Average) | 5321.635 | 13.172 | 74.034 | 87.206 | -- | -- | -- |
| 64 (Average) | 5350.000 | 13.424 | 25.642 | 39.065 | 74.00 | 54.00 | Pass |

Figure Channel 64: Vertical (Peak)

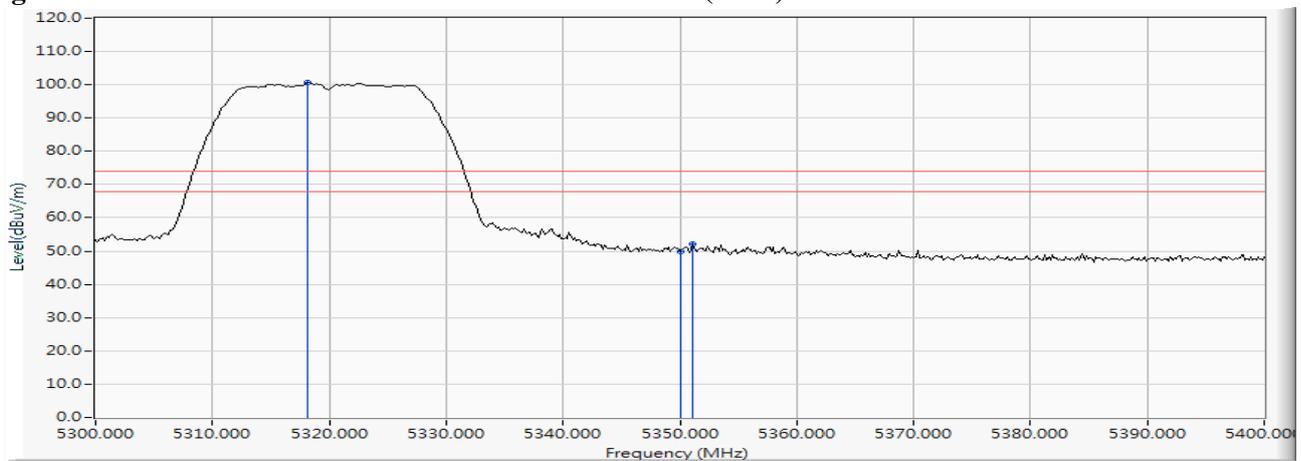
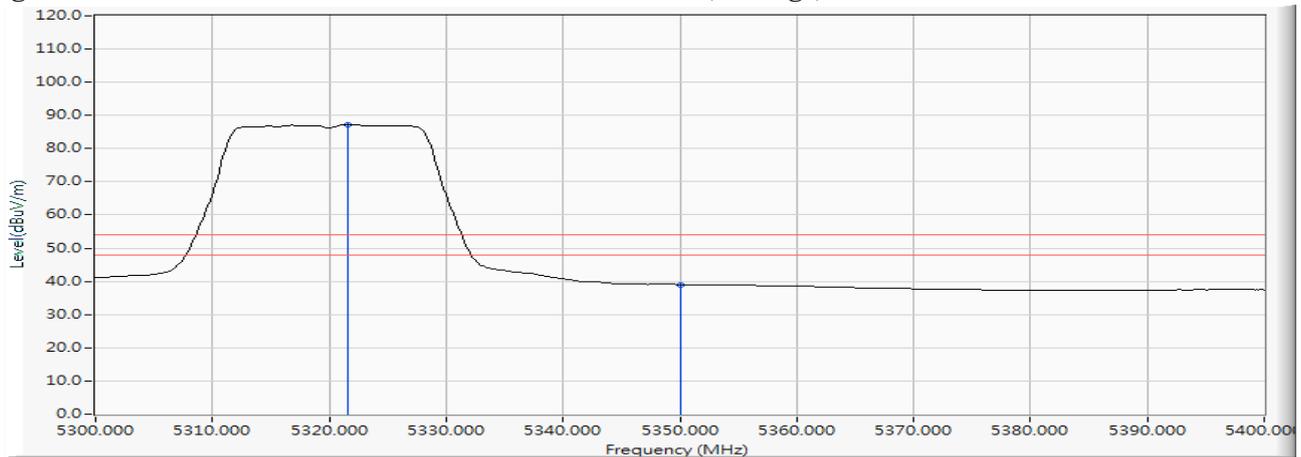


Figure Channel 64: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|---------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 100 (Peak) | 5459.359 | 13.504 | 38.908 | 52.412 | 74.00 | 54.00 | Pass |
| 100 (Peak) | 5460.000 | 13.502 | 38.788 | 52.290 | 74.00 | 54.00 | Pass |
| 100 (Peak) | 5505.353 | 13.658 | 89.043 | 102.702 | -- | -- | -- |
| 100 (Average) | 5460.000 | 13.502 | 26.266 | 39.768 | 74.00 | 54.00 | Pass |
| 100 (Average) | 5501.667 | 13.617 | 75.597 | 89.214 | -- | -- | -- |

Figure Channel 100: Horizontal (Peak)

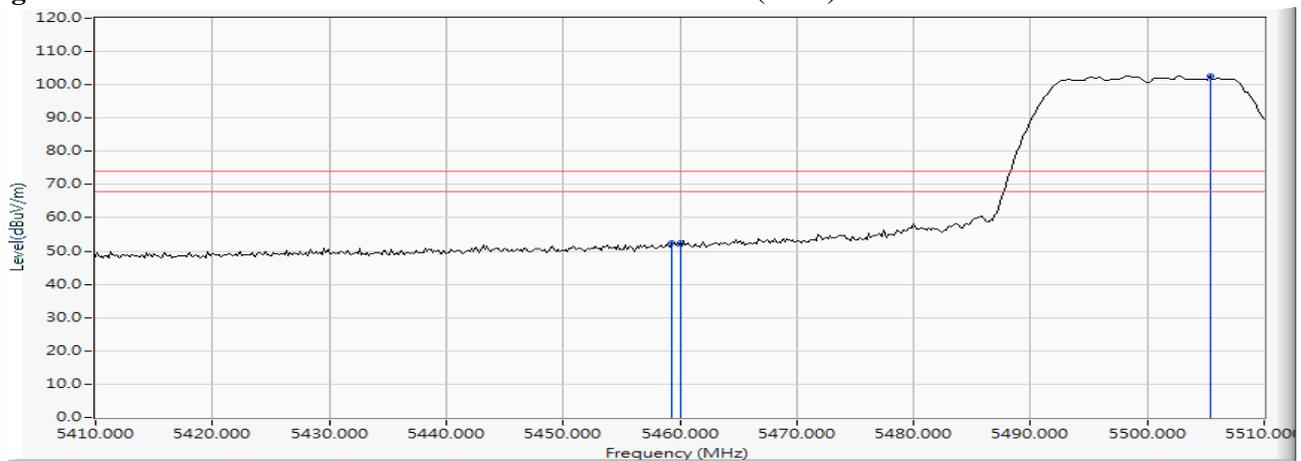
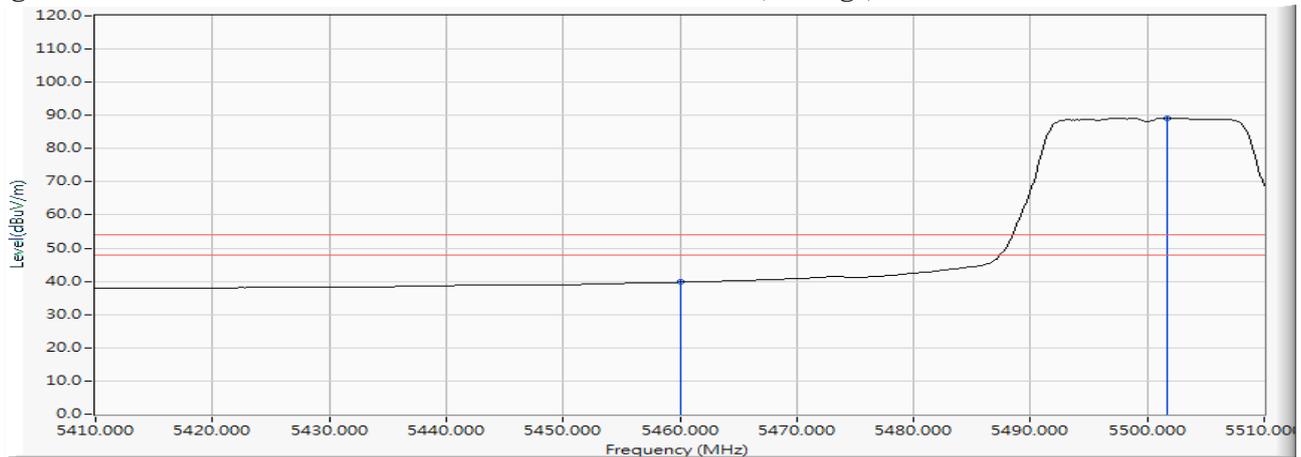


Figure Channel 100: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100

RF Radiated Measurement (Vertical):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|---------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 100 (Peak) | 5428.269 | 13.523 | 35.828 | 49.351 | 74.00 | 54.00 | Pass |
| 100 (Peak) | 5460.000 | 13.502 | 34.398 | 47.900 | 74.00 | 54.00 | Pass |
| 100 (Peak) | 5498.301 | 13.579 | 84.335 | 97.914 | -- | -- | -- |
| 100 (Average) | 5460.000 | 13.502 | 24.245 | 37.747 | 74.00 | 54.00 | Pass |
| 100 (Average) | 5497.340 | 13.568 | 71.083 | 84.652 | -- | -- | -- |

Figure Channel 100: Vertical (Peak)

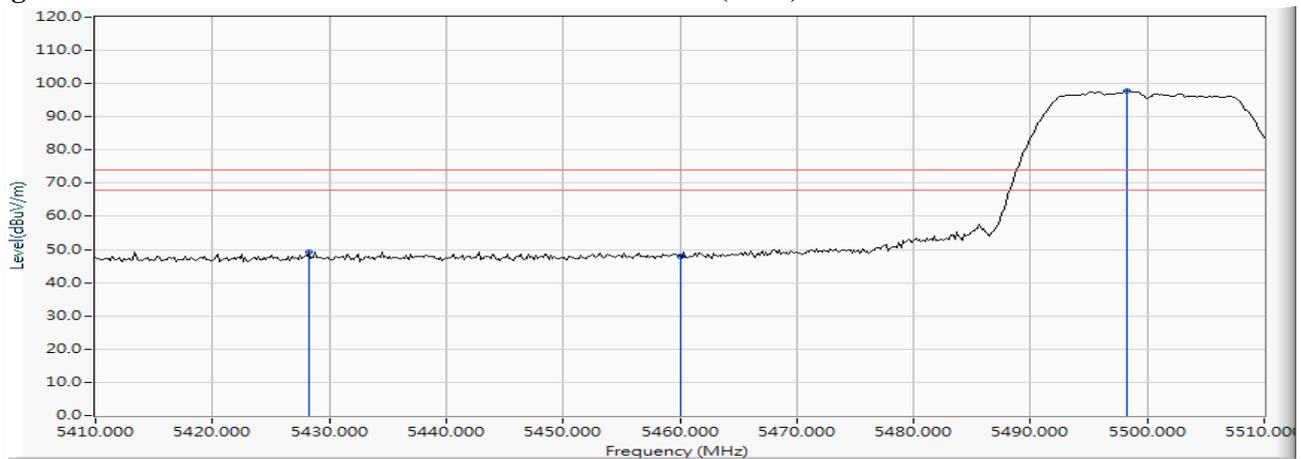
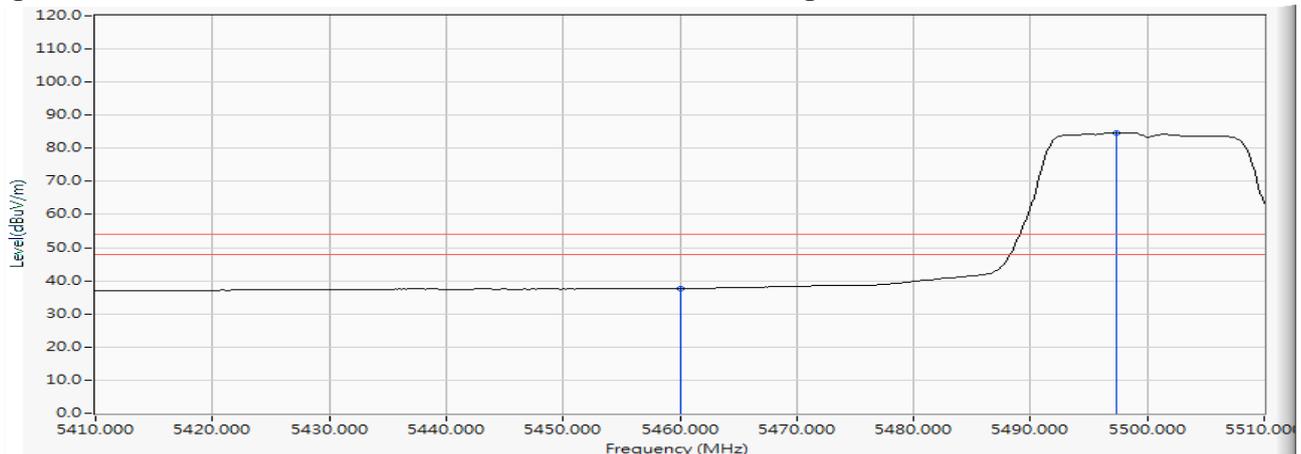


Figure Channel 100: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100

RF Radiated Measurement:

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|------------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Horizontal | 5470.000 | 13.464 | 35.170 | 48.633 | -19.587 | 68.220 | Pass |

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|----------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Vertical | 5470.000 | 13.464 | 35.130 | 48.593 | -19.627 | 68.220 | Pass |

Product : Nexus Player
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 140

RF Radiated Measurement:

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|------------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Horizontal | 5725.000 | 14.236 | 35.044 | 49.280 | -18.940 | 68.220 | Pass |

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|----------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Vertical | 5725.000 | 14.236 | 35.117 | 49.353 | -18.867 | 68.220 | Pass |

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 36

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 36 (Peak) | 5148.077 | 12.913 | 39.424 | 52.337 | 74.00 | 54.00 | Pass |
| 36 (Peak) | 5150.000 | 12.925 | 38.182 | 51.107 | 74.00 | 54.00 | Pass |
| 36 (Peak) | 5186.859 | 13.133 | 91.487 | 104.620 | -- | -- | -- |
| 36 (Average) | 5150.000 | 12.925 | 26.755 | 39.680 | 74.00 | 54.00 | Pass |
| 36 (Average) | 5182.532 | 13.103 | 77.472 | 90.576 | -- | -- | -- |

Figure Channel 36: Horizontal (Peak)

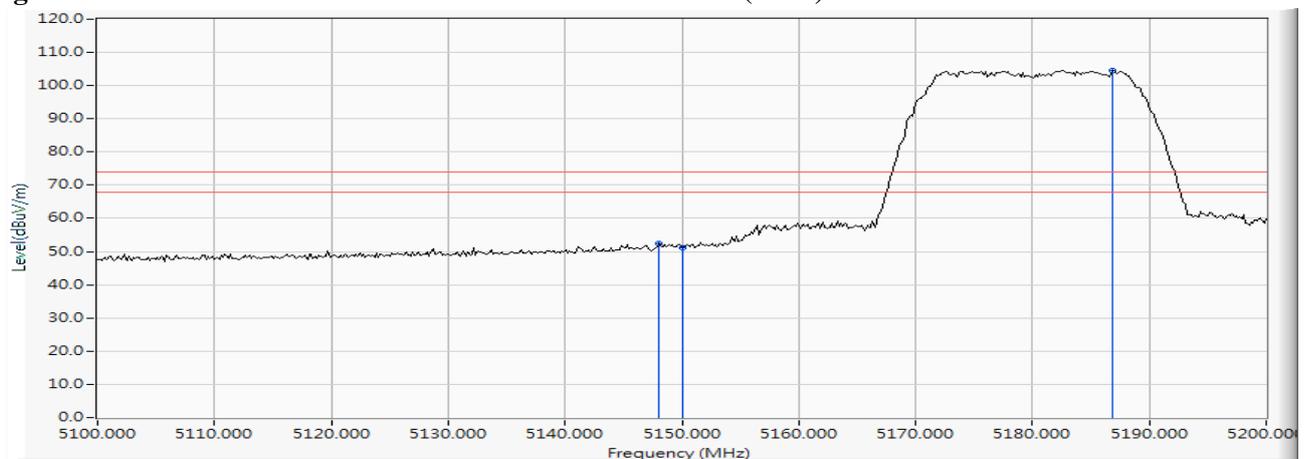
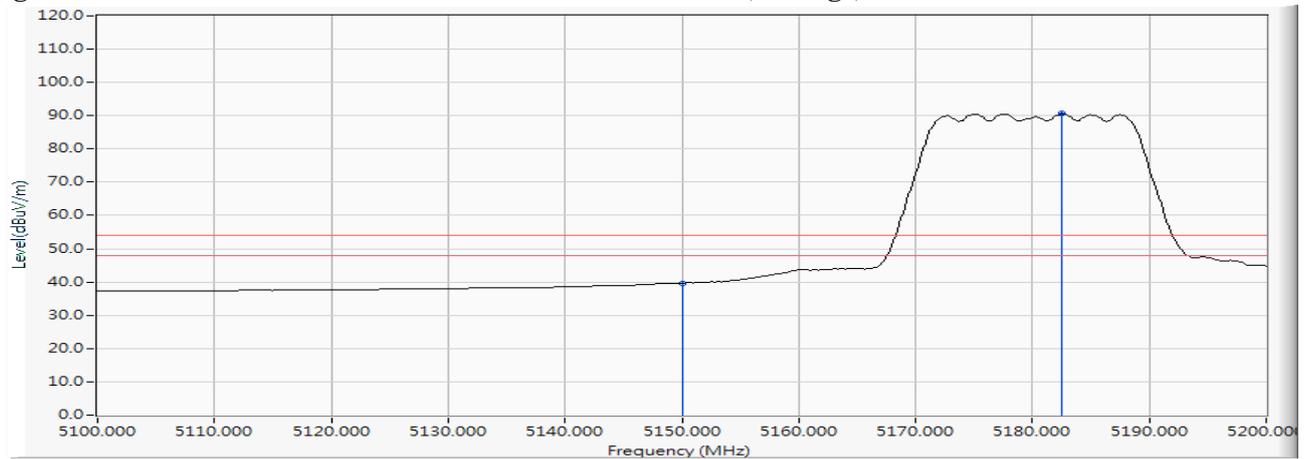


Figure Channel 36: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 36

RF Radiated Measurement (Vertical):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 36 (Peak) | 5145.833 | 12.898 | 36.500 | 49.398 | 74.00 | 54.00 | Pass |
| 36 (Peak) | 5150.000 | 12.925 | 35.354 | 48.279 | 74.00 | 54.00 | Pass |
| 36 (Peak) | 5178.205 | 13.073 | 86.714 | 99.786 | -- | -- | -- |
| 36 (Average) | 5150.000 | 12.925 | 24.679 | 37.604 | 74.00 | 54.00 | Pass |
| 36 (Average) | 5181.731 | 13.099 | 72.843 | 85.941 | -- | -- | -- |

Figure Channel 36: Vertical (Peak)

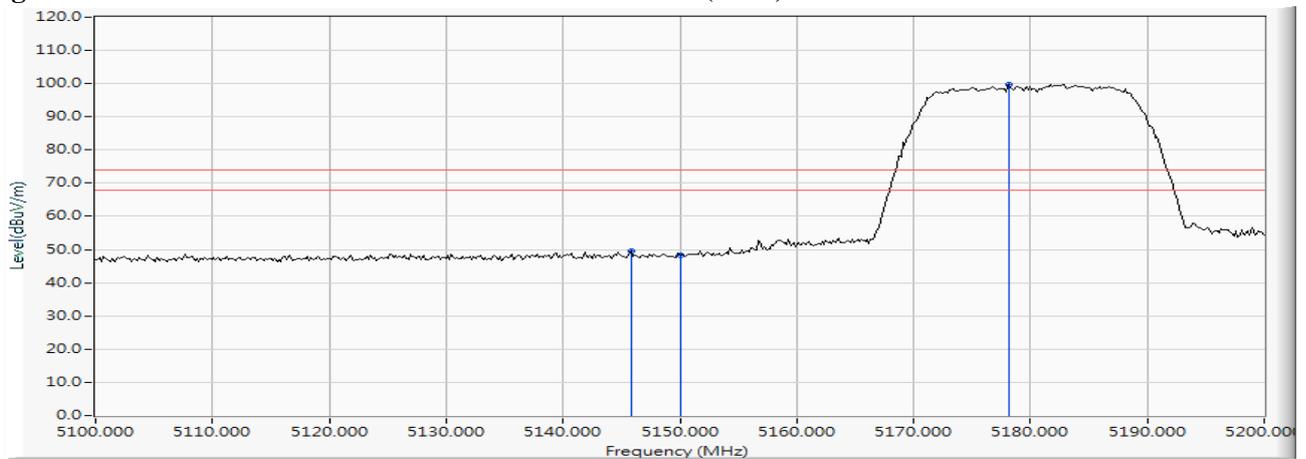
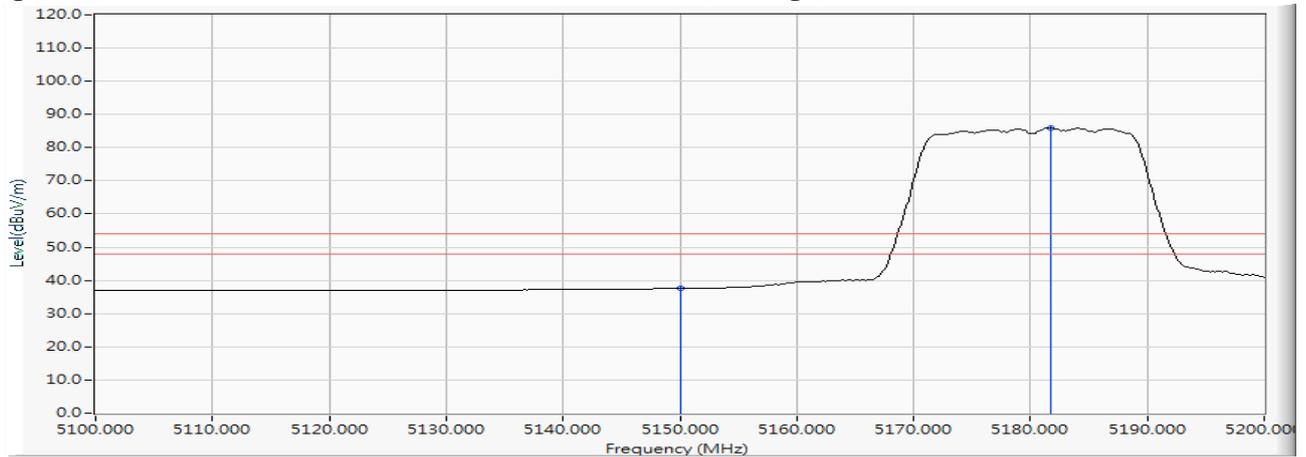


Figure Channel 36: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 64

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 64 (Peak) | 5322.917 | 13.185 | 89.522 | 102.707 | -- | -- | -- |
| 64 (Peak) | 5350.000 | 13.424 | 37.316 | 50.739 | 74.00 | 54.00 | Pass |
| 64 (Peak) | 5350.481 | 13.421 | 37.773 | 51.194 | 74.00 | 54.00 | Pass |
| 64 (Average) | 5322.436 | 13.180 | 75.475 | 88.655 | -- | -- | -- |
| 64 (Average) | 5350.000 | 13.424 | 25.745 | 39.168 | 74.00 | 54.00 | Pass |

Figure Channel 64: Horizontal (Peak)

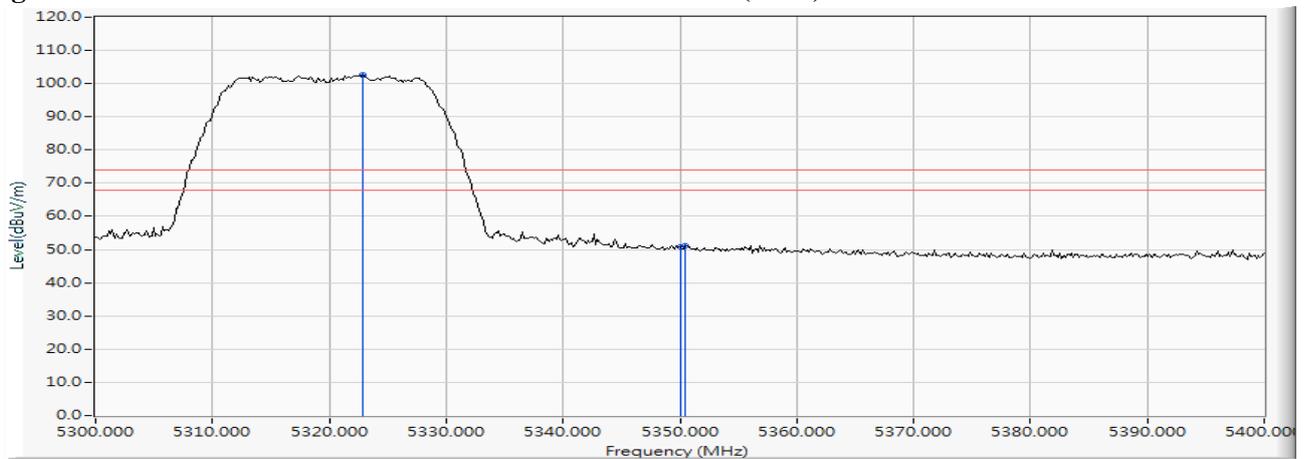
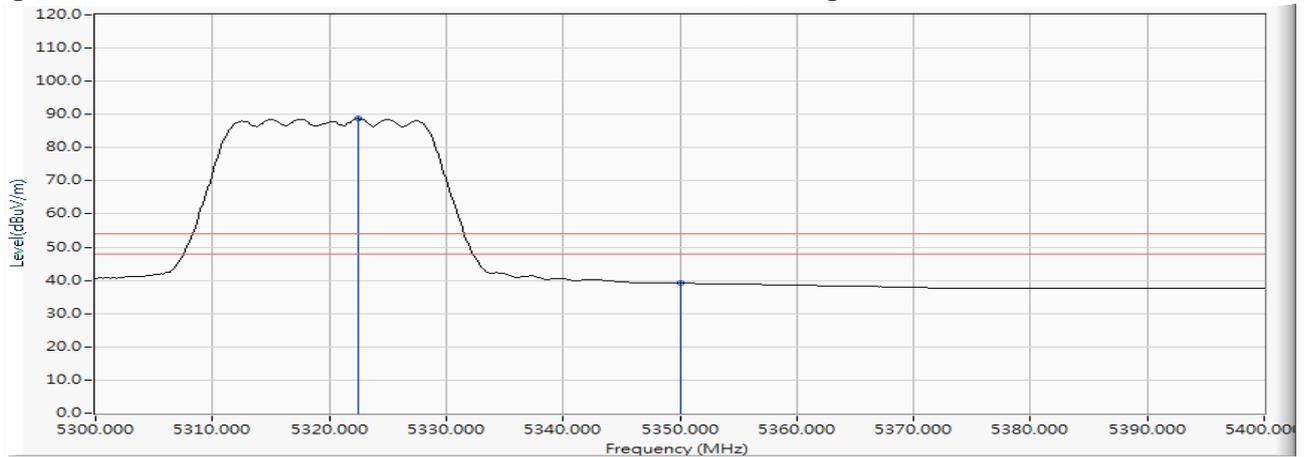


Figure Channel 64: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 64

RF Radiated Measurement (Vertical):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 64 (Peak) | 5323.718 | 13.192 | 84.845 | 98.037 | -- | -- | -- |
| 64 (Peak) | 5350.000 | 13.424 | 35.232 | 48.655 | 74.00 | 54.00 | Pass |
| 64 (Peak) | 5361.859 | 13.384 | 37.162 | 50.546 | 74.00 | 54.00 | Pass |
| 64 (Average) | 5322.115 | 13.177 | 70.596 | 83.773 | -- | -- | -- |
| 64 (Average) | 5350.000 | 13.424 | 24.573 | 37.996 | 74.00 | 54.00 | Pass |
| 64 (Average) | 5350.641 | 13.420 | 24.586 | 38.007 | 74.00 | 54.00 | Pass |

Figure Channel 64: Vertical (Peak)

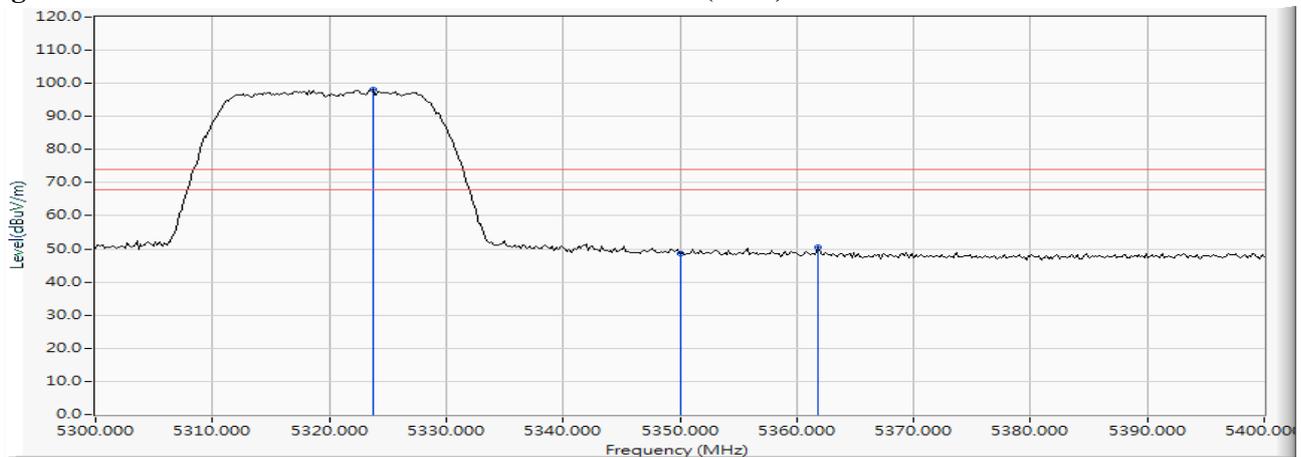
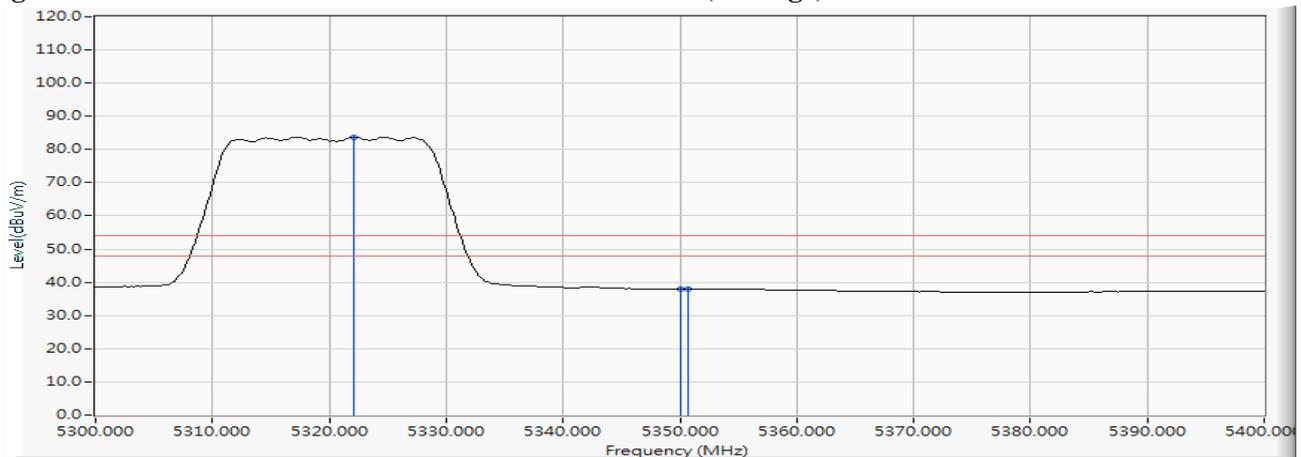


Figure Channel 64: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 100

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|---------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 100 (Peak) | 5453.750 | 13.537 | 37.371 | 50.907 | 74.00 | 54.00 | Pass |
| 100 (Peak) | 5460.000 | 13.502 | 35.911 | 49.413 | 74.00 | 54.00 | Pass |
| 100 (Peak) | 5498.141 | 13.578 | 90.675 | 104.253 | -- | -- | -- |
| 100 (Average) | 5460.000 | 13.502 | 25.341 | 38.843 | 74.00 | 54.00 | Pass |
| 100 (Average) | 5505.513 | 13.661 | 75.805 | 89.465 | -- | -- | -- |

Figure Channel 100: Horizontal (Peak)

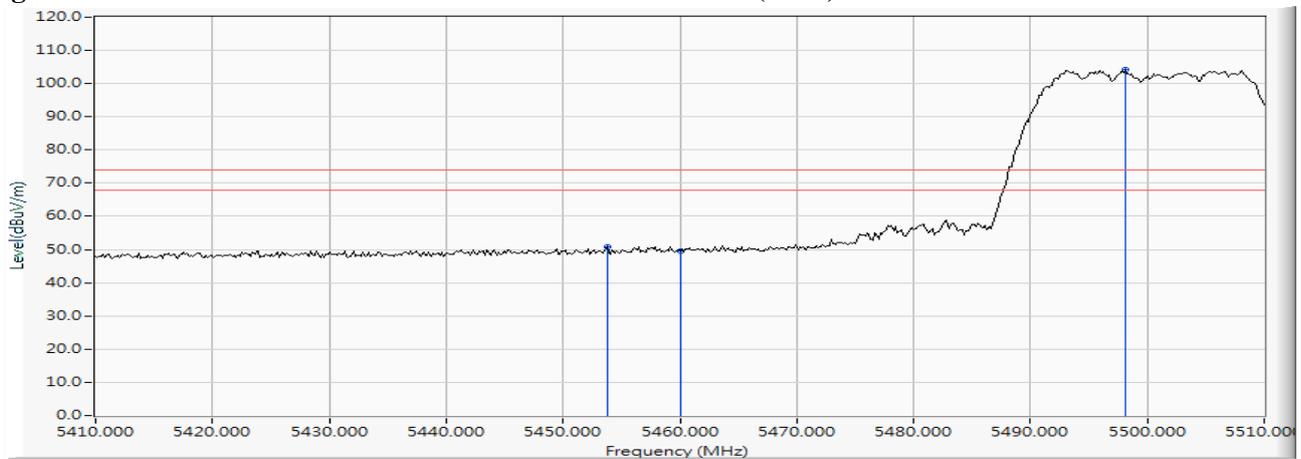
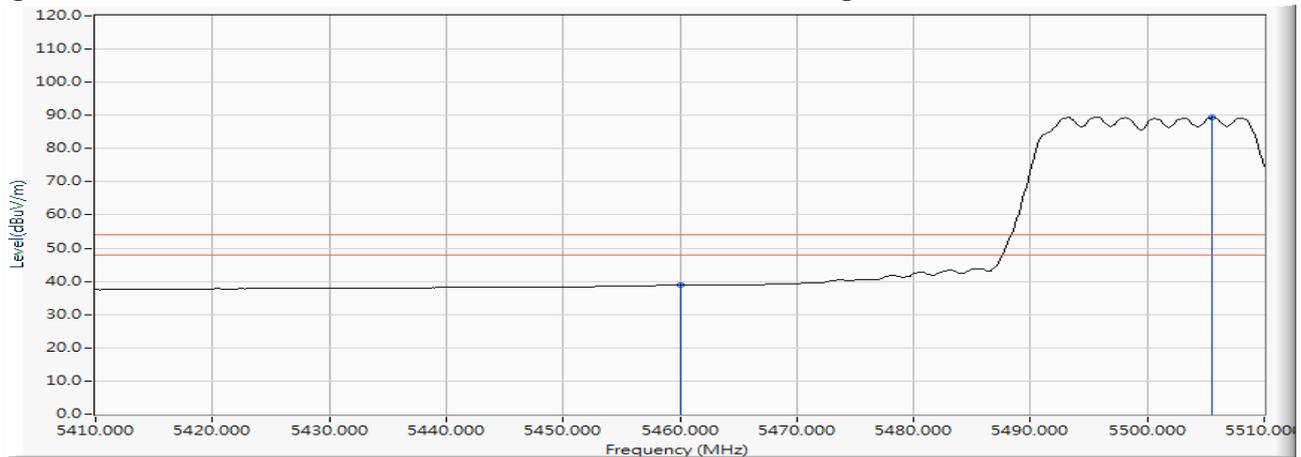


Figure Channel 100: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 100

RF Radiated Measurement (Vertical):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|---------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 100 (Peak) | 5430.833 | 13.550 | 35.468 | 49.019 | 74.00 | 54.00 | Pass |
| 100 (Peak) | 5460.000 | 13.502 | 33.726 | 47.228 | 74.00 | 54.00 | Pass |
| 100 (Peak) | 5499.103 | 13.589 | 82.201 | 95.789 | -- | -- | -- |
| 100 (Average) | 5437.404 | 13.624 | 23.851 | 37.476 | 74.00 | 54.00 | Pass |
| 100 (Average) | 5460.000 | 13.502 | 23.959 | 37.461 | 74.00 | 54.00 | Pass |
| 100 (Average) | 5494.615 | 13.538 | 68.820 | 82.358 | -- | -- | -- |

Figure Channel 100: Vertical (Peak)

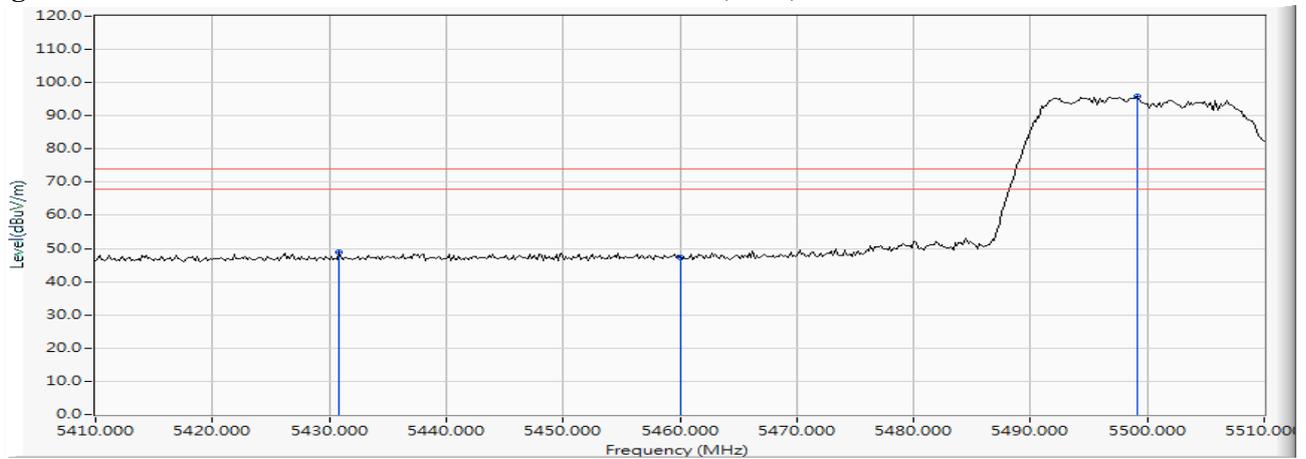
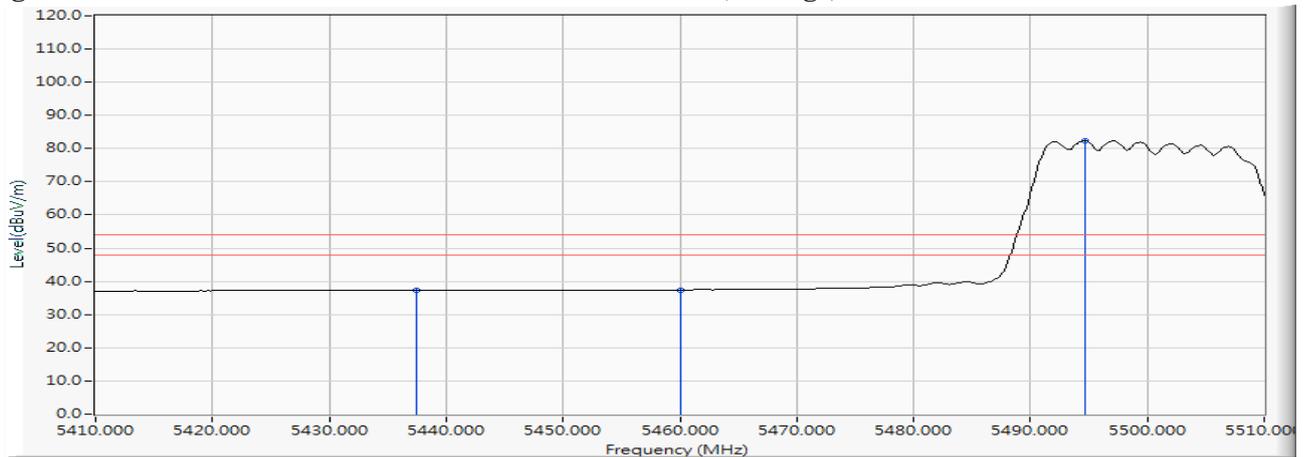


Figure Channel 100: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 100

RF Radiated Measurement:

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|------------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Horizontal | 5470.000 | 13.464 | 35.237 | 48.700 | -19.520 | 68.220 | Pass |

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|----------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Vertical | 5470.000 | 13.464 | 35.047 | 48.510 | -19.710 | 68.220 | Pass |

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 140

RF Radiated Measurement:

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|------------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Horizontal | 5725.000 | 14.236 | 34.925 | 49.161 | -19.059 | 68.220 | Pass |

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|----------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Vertical | 5725.000 | 14.236 | 35.288 | 49.524 | -18.696 | 68.220 | Pass |

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 38

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 38 (Peak) | 5150.000 | 12.925 | 48.794 | 61.719 | 74.00 | 54.00 | Pass |
| 38 (Peak) | 5195.673 | 13.068 | 89.388 | 102.456 | -- | -- | -- |
| 38 (Average) | 5150.000 | 12.925 | 31.256 | 44.181 | 74.00 | 54.00 | Pass |
| 38 (Average) | 5195.032 | 13.074 | 72.090 | 85.163 | -- | -- | -- |

Figure Channel 38: Horizontal (Peak)

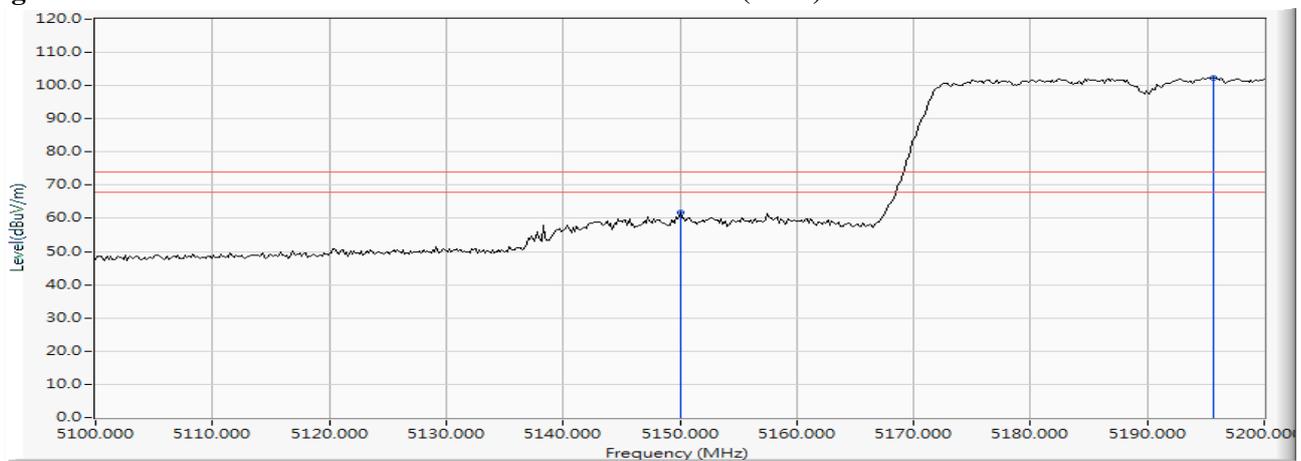
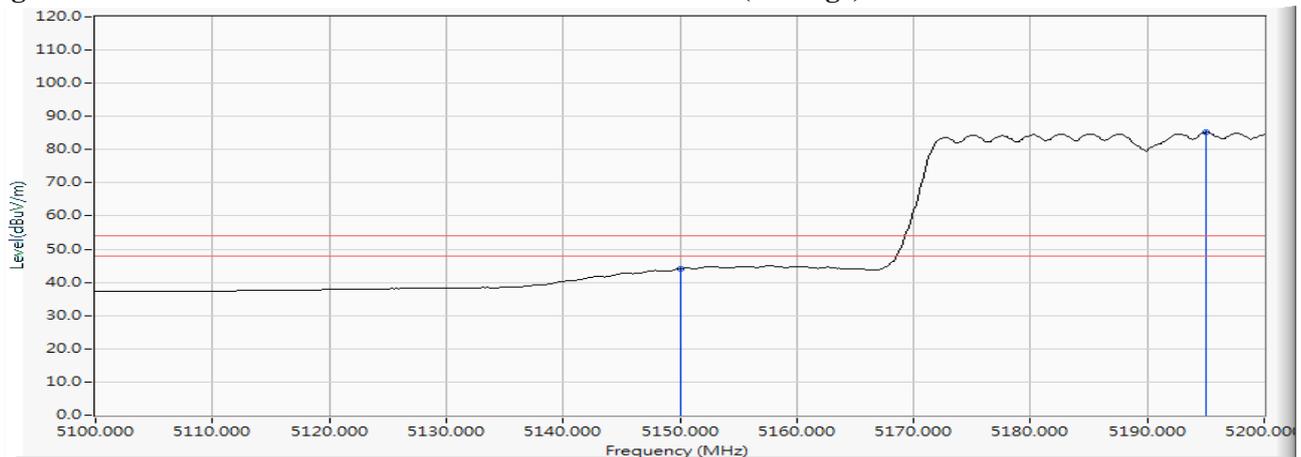


Figure Channel 38: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 38

RF Radiated Measurement (Vertical):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 38 (Peak) | 5150.000 | 12.925 | 42.351 | 55.276 | 74.00 | 54.00 | Pass |
| 38 (Peak) | 5197.436 | 13.053 | 83.887 | 96.940 | -- | -- | -- |
| 38 (Average) | 5149.679 | 12.923 | 27.331 | 40.254 | 74.00 | 54.00 | Pass |
| 38 (Average) | 5150.000 | 12.925 | 27.257 | 40.182 | 74.00 | 54.00 | Pass |
| 38 (Average) | 5194.231 | 13.079 | 67.276 | 80.356 | -- | -- | -- |

Figure Channel 38: Vertical (Peak)

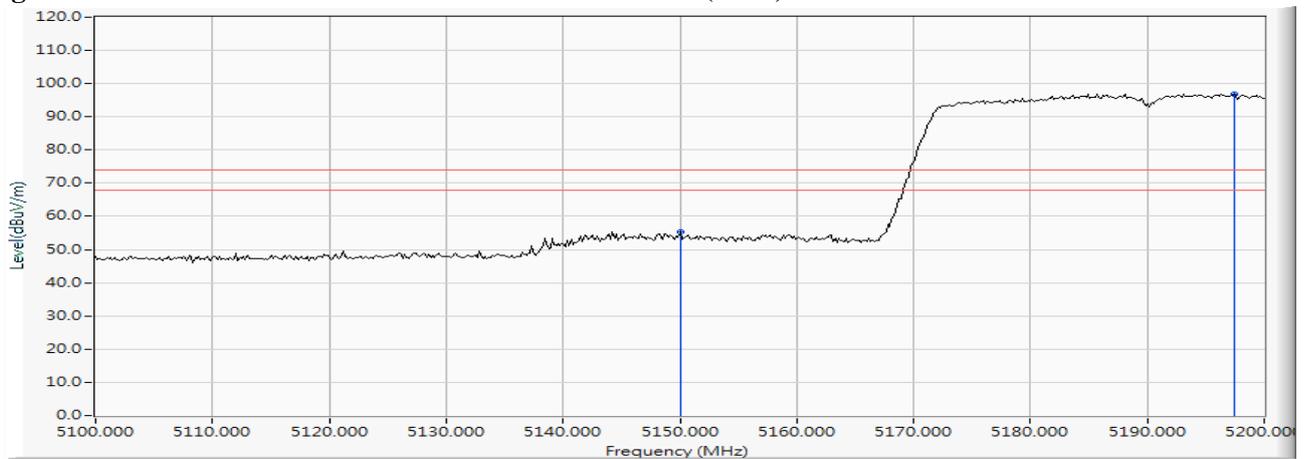
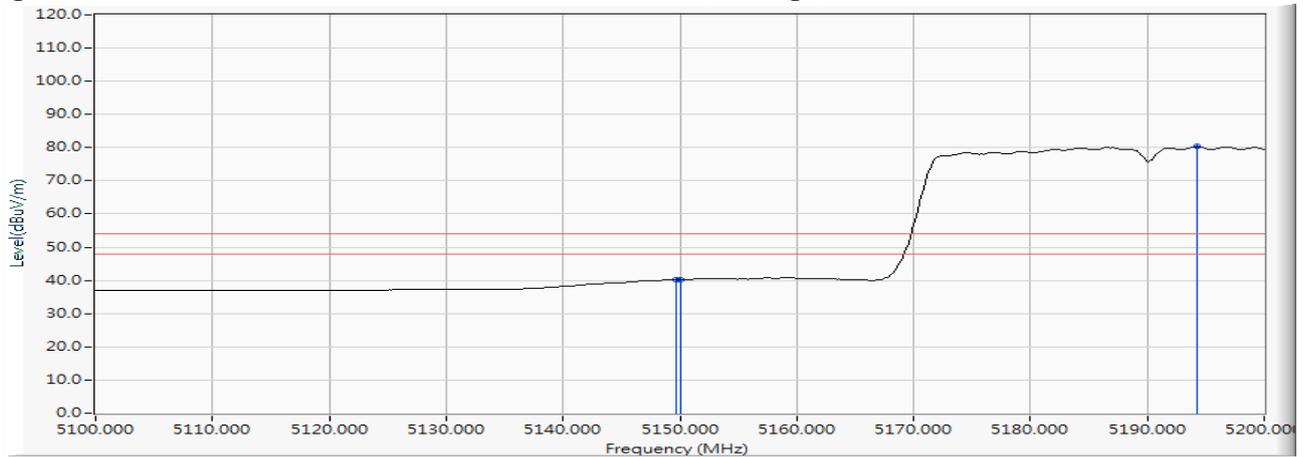


Figure Channel 38: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 62

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 62 (Peak) | 5306.891 | 13.163 | 88.095 | 101.259 | -- | -- | -- |
| 62 (Peak) | 5350.000 | 13.424 | 44.325 | 57.748 | 74.00 | 54.00 | Pass |
| 62 (Peak) | 5355.288 | 13.405 | 44.868 | 58.273 | 74.00 | 54.00 | Pass |
| 62 (Average) | 5305.128 | 13.183 | 70.737 | 83.920 | -- | -- | -- |
| 62 (Average) | 5350.000 | 13.424 | 29.047 | 42.470 | 74.00 | 54.00 | Pass |

Figure Channel 62: Horizontal (Peak)

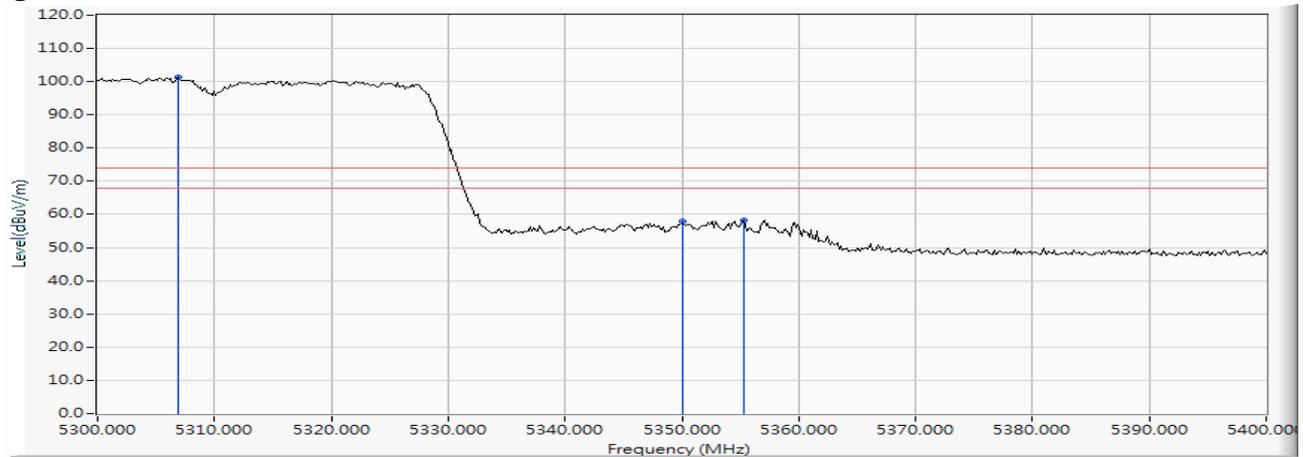
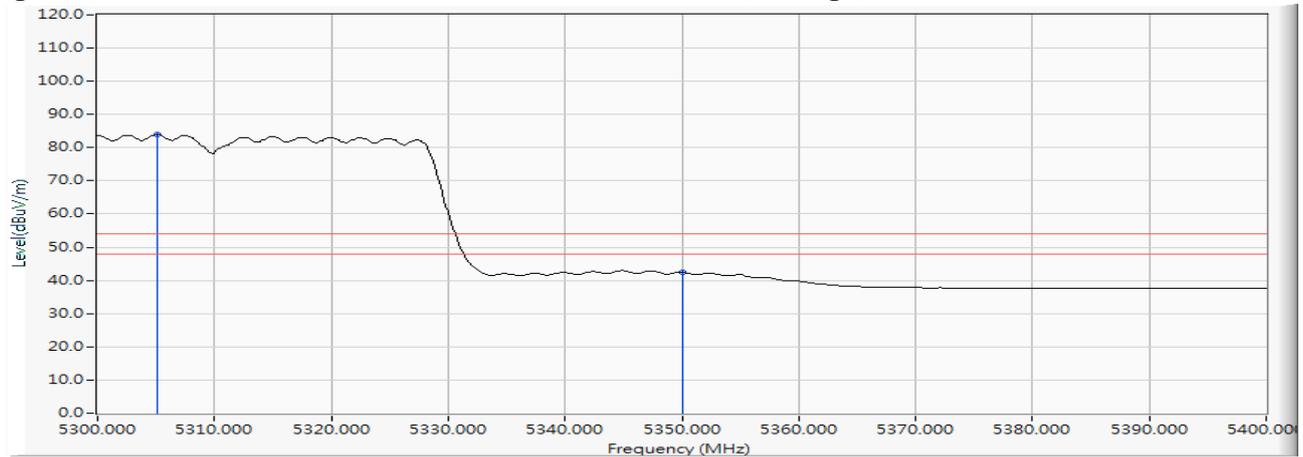


Figure Channel 62: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 62

RF Radiated Measurement (Vertical):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 62 (Peak) | 5302.724 | 13.210 | 81.958 | 95.168 | -- | -- | -- |
| 62 (Peak) | 5350.000 | 13.424 | 38.950 | 52.373 | 74.00 | 54.00 | Pass |
| 62 (Peak) | 5355.930 | 13.403 | 40.507 | 53.910 | 74.00 | 54.00 | Pass |
| 62 (Average) | 5302.244 | 13.216 | 65.364 | 78.579 | -- | -- | -- |
| 62 (Average) | 5350.000 | 13.424 | 26.264 | 39.687 | 74.00 | 54.00 | Pass |

Figure Channel 62: Vertical (Peak)

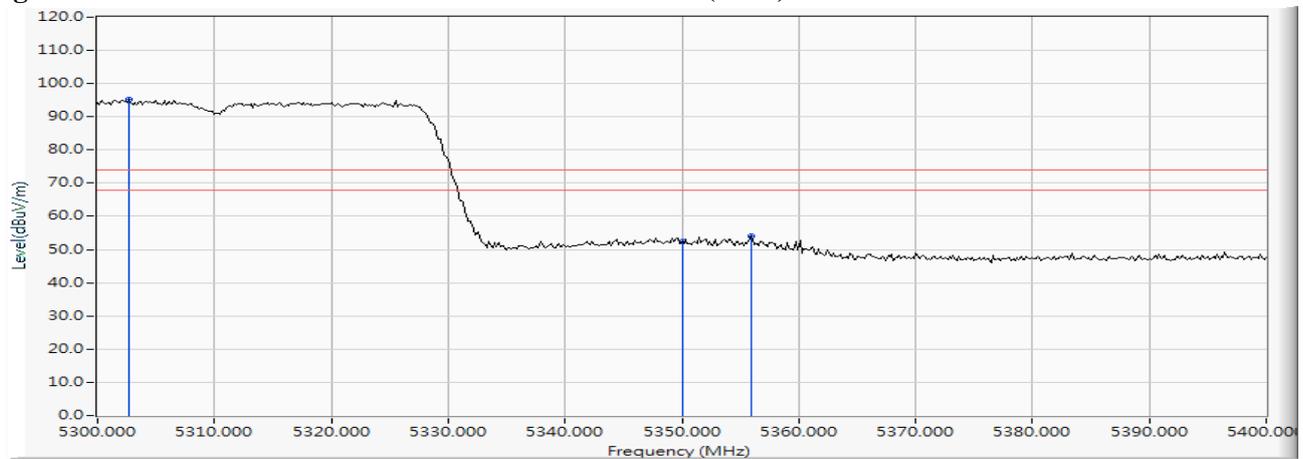
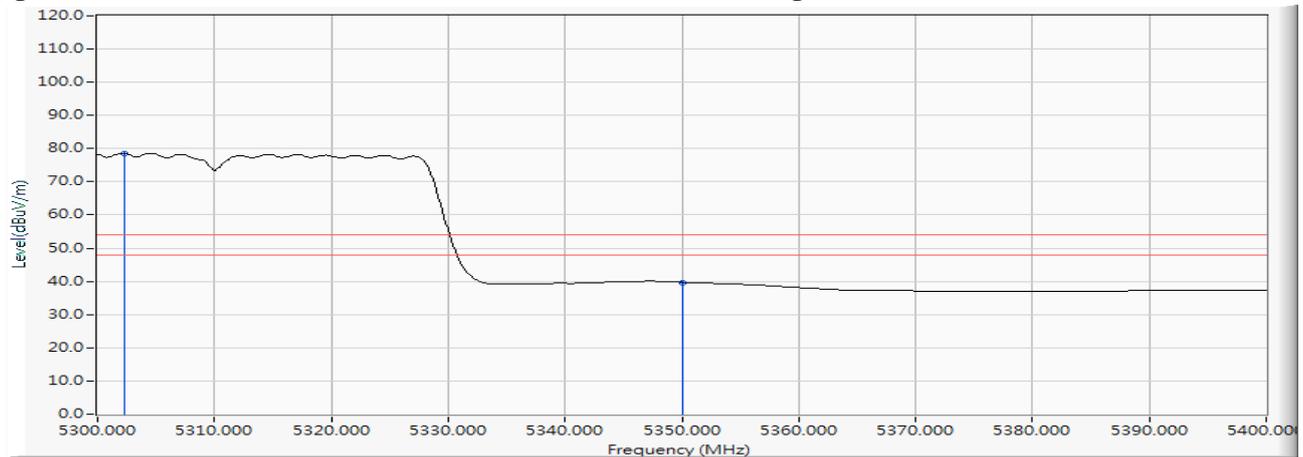


Figure Channel 62: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 102

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|---------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 102 (Peak) | 5458.558 | 13.507 | 47.104 | 60.611 | 74.00 | 54.00 | Pass |
| 102 (Peak) | 5460.000 | 13.502 | 43.776 | 57.278 | 74.00 | 54.00 | Pass |
| 102 (Peak) | 5507.596 | 13.684 | 88.528 | 102.212 | -- | -- | -- |
| 102 (Average) | 5460.000 | 13.502 | 28.269 | 41.771 | 74.00 | 54.00 | Pass |
| 102 (Average) | 5505.513 | 13.661 | 70.767 | 84.427 | -- | -- | -- |

Figure Channel 102: Horizontal (Peak)

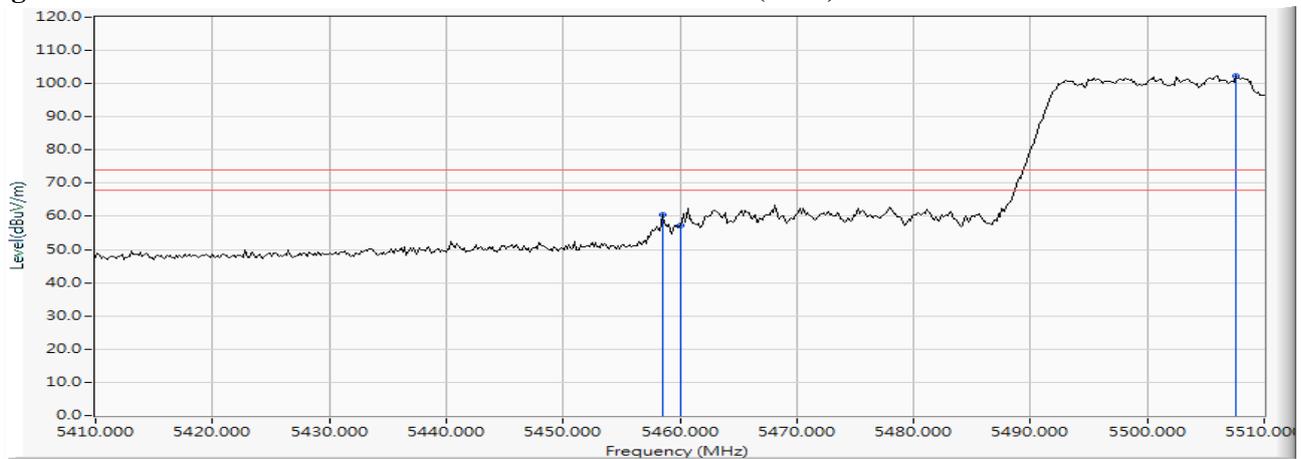
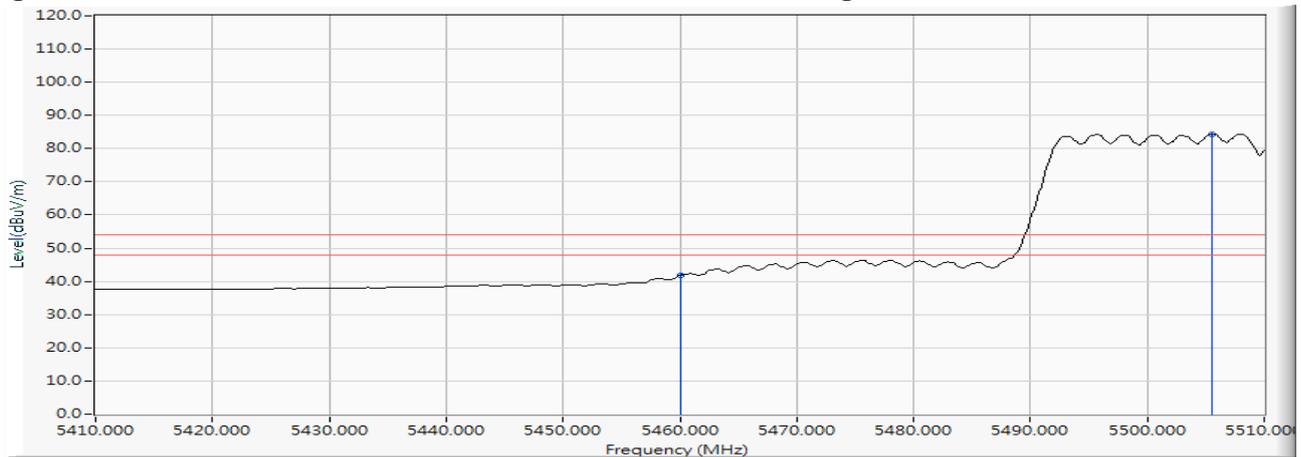


Figure Channel 102: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 102

RF Radiated Measurement (Vertical):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dB μ V) | Emission Level (dB μ V/m) | Peak Limit (dB μ V/m) | Average Limit (dB μ V/m) | Result |
|---------------|-----------------|---------------------|----------------------------|-------------------------------|---------------------------|------------------------------|--------|
| 102 (Peak) | 5458.878 | 13.506 | 39.427 | 52.933 | 74.00 | 54.00 | Pass |
| 102 (Peak) | 5460.000 | 13.502 | 36.559 | 50.061 | 74.00 | 54.00 | Pass |
| 102 (Peak) | 5507.115 | 13.678 | 84.484 | 98.162 | -- | -- | -- |
| 102 (Average) | 5460.000 | 13.502 | 24.759 | 38.261 | 74.00 | 54.00 | Pass |
| 102 (Average) | 5506.154 | 13.668 | 67.239 | 80.907 | -- | -- | -- |

Figure Channel 102: Vertical (Peak)

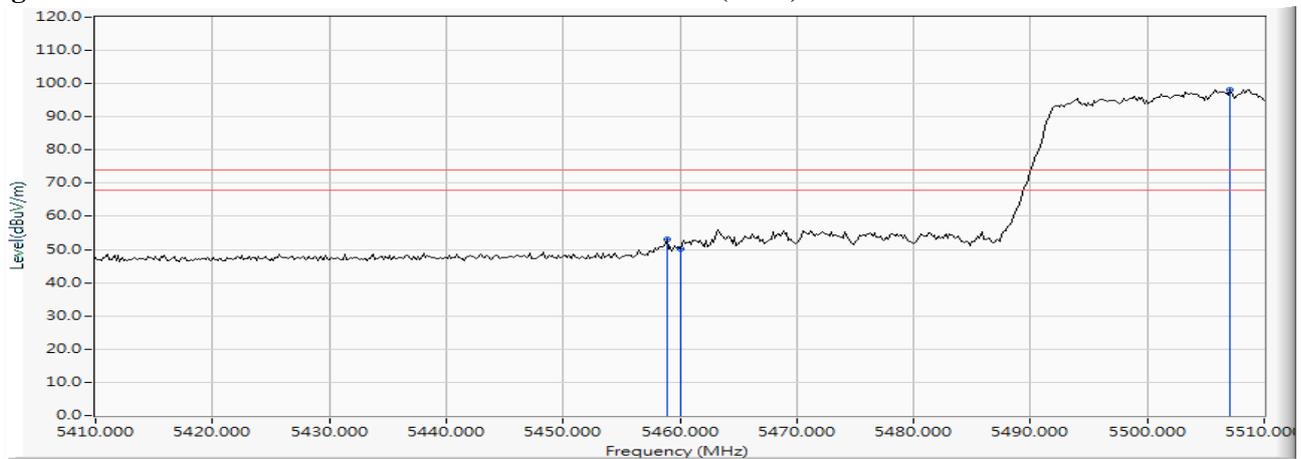
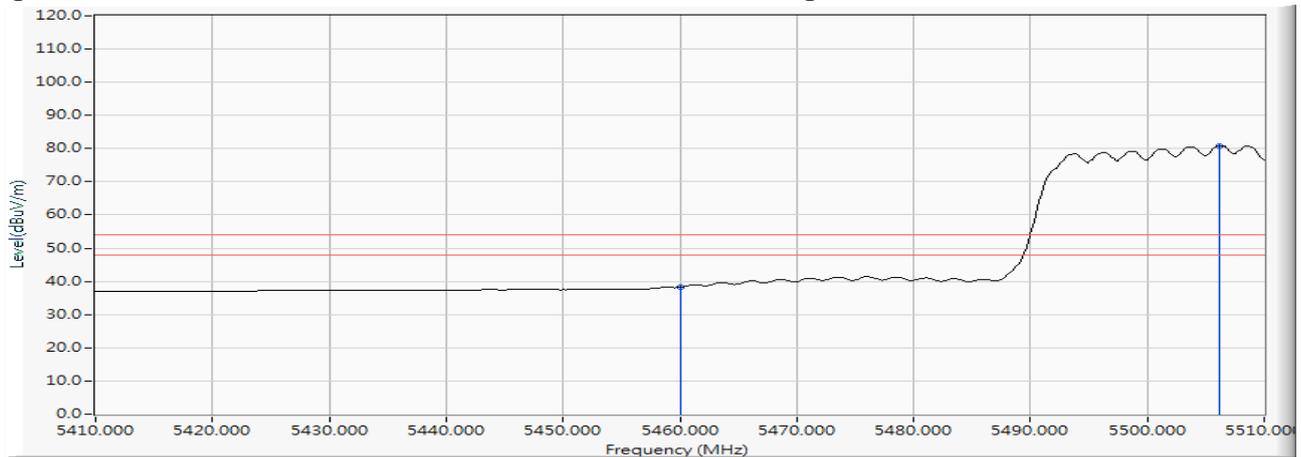


Figure Channel 102: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 102

RF Radiated Measurement:

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|------------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Horizontal | 5470.000 | 13.464 | 35.339 | 48.802 | -19.418 | 68.220 | Pass |

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|----------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Vertical | 5470.000 | 13.464 | 35.677 | 49.140 | -19.080 | 68.220 | Pass |

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) -Channel 134

RF Radiated Measurement:

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|------------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Horizontal | 5725.000 | 14.236 | 35.219 | 49.455 | -18.765 | 68.220 | Pass |

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|----------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Vertical | 5725.000 | 14.236 | 35.102 | 49.338 | -18.882 | 68.220 | Pass |

Product : Nexus Player
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-20BW-7.2Mbps) -Channel 44

RF Radiated Measurement:

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|------------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Horizontal | 5825.000 | 4.113 | 31.406 | 35.519 | -42.701 | 78.220 | Pass |
| Horizontal | 5835.000 | 4.112 | 31.438 | 35.550 | -32.670 | 68.220 | Pass |

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|----------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Vertical | 5825.000 | 4.603 | 42.817 | 47.420 | -30.800 | 78.220 | Pass |
| Vertical | 5835.000 | 4.602 | 31.908 | 36.510 | -31.710 | 68.220 | Pass |

Product : Nexus Player
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 5: Transmit (802.11ac-40BW-15Mbps) -Channel 42

RF Radiated Measurement:

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|------------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Horizontal | 5825.000 | 4.113 | 43.577 | 47.690 | -30.530 | 78.220 | Pass |
| Horizontal | 5835.000 | 4.112 | 31.480 | 35.592 | -32.628 | 68.220 | Pass |

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|----------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Vertical | 5825.000 | 4.603 | 32.562 | 37.165 | -41.055 | 78.220 | Pass |
| Vertical | 5835.000 | 4.602 | 32.748 | 37.350 | -30.870 | 68.220 | Pass |

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 42

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 42 (Peak) | 5147.115 | 12.906 | 44.754 | 57.661 | 74.00 | 54.00 | Pass |
| 42 (Peak) | 5150.000 | 12.925 | 43.086 | 56.011 | 74.00 | 54.00 | Pass |
| 42 (Peak) | 5199.038 | 13.040 | 86.827 | 99.867 | -- | -- | -- |
| 42 (Average) | 5146.314 | 12.901 | 28.417 | 41.318 | 74.00 | 54.00 | Pass |
| 42 (Average) | 5150.000 | 12.925 | 28.281 | 41.206 | 74.00 | 54.00 | Pass |
| 42 (Average) | 5195.032 | 13.074 | 57.757 | 70.830 | -- | -- | -- |

Figure Channel 42: Horizontal (Peak)

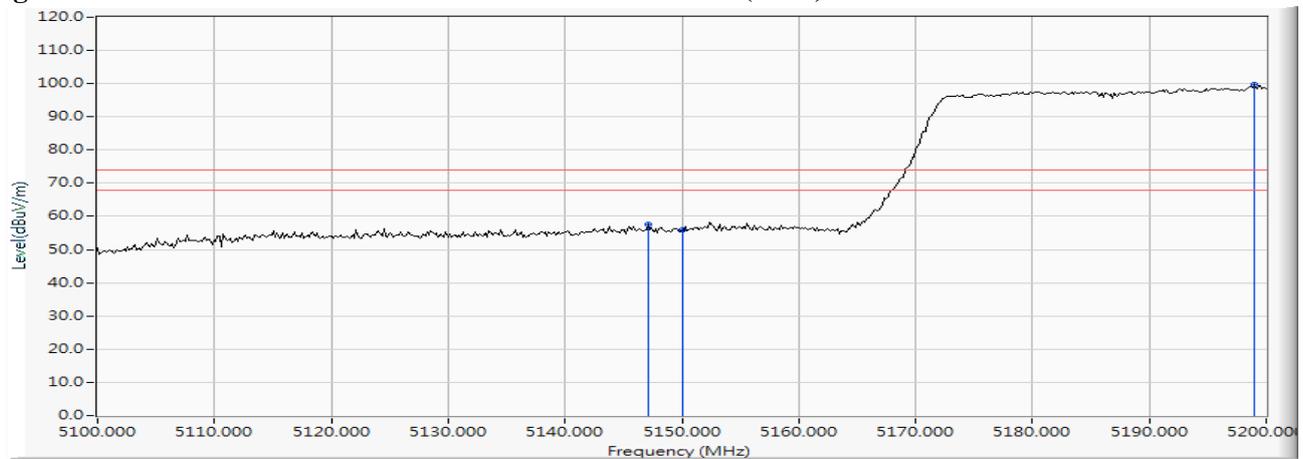
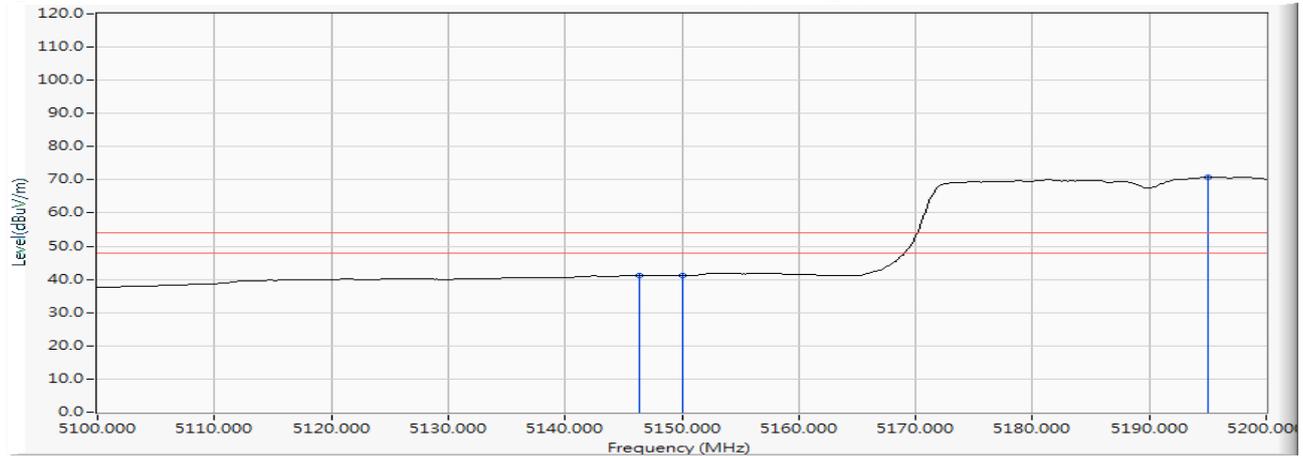


Figure Channel 42: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 42

RF Radiated Measurement (Vertical):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 42 (Peak) | 5144.872 | 12.891 | 38.032 | 50.924 | 74.00 | 54.00 | Pass |
| 42 (Peak) | 5150.000 | 12.925 | 36.158 | 49.083 | 74.00 | 54.00 | Pass |
| 42 (Peak) | 5182.692 | 13.104 | 80.466 | 93.571 | -- | -- | -- |
| 42 (Average) | 5148.237 | 12.914 | 25.063 | 37.977 | 74.00 | 54.00 | Pass |
| 42 (Average) | 5150.000 | 12.925 | 24.999 | 37.924 | 74.00 | 54.00 | Pass |
| 42 (Average) | 5196.474 | 13.062 | 53.498 | 66.559 | -- | -- | -- |

Figure Channel 42: Vertical (Peak)

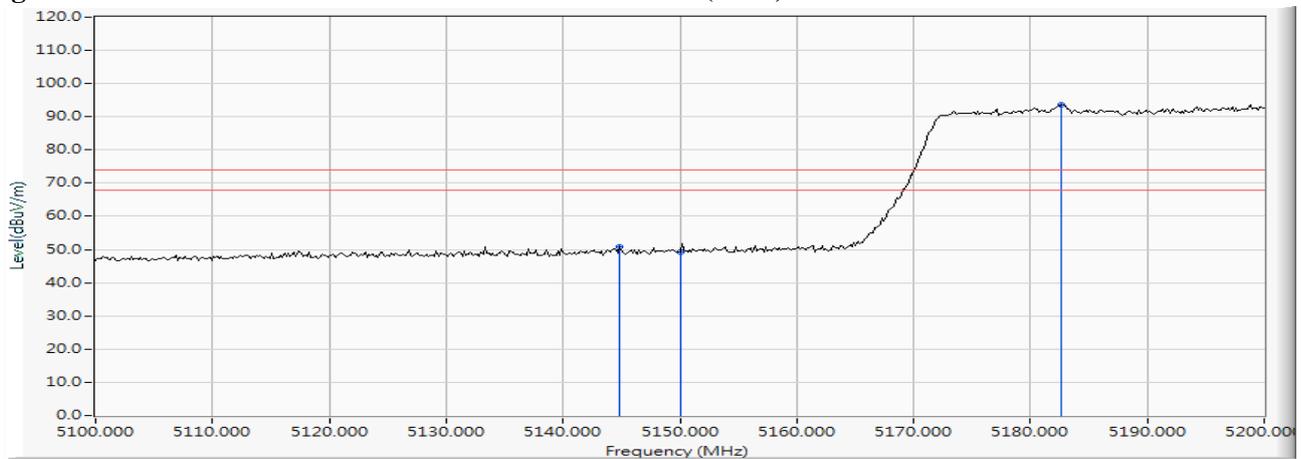
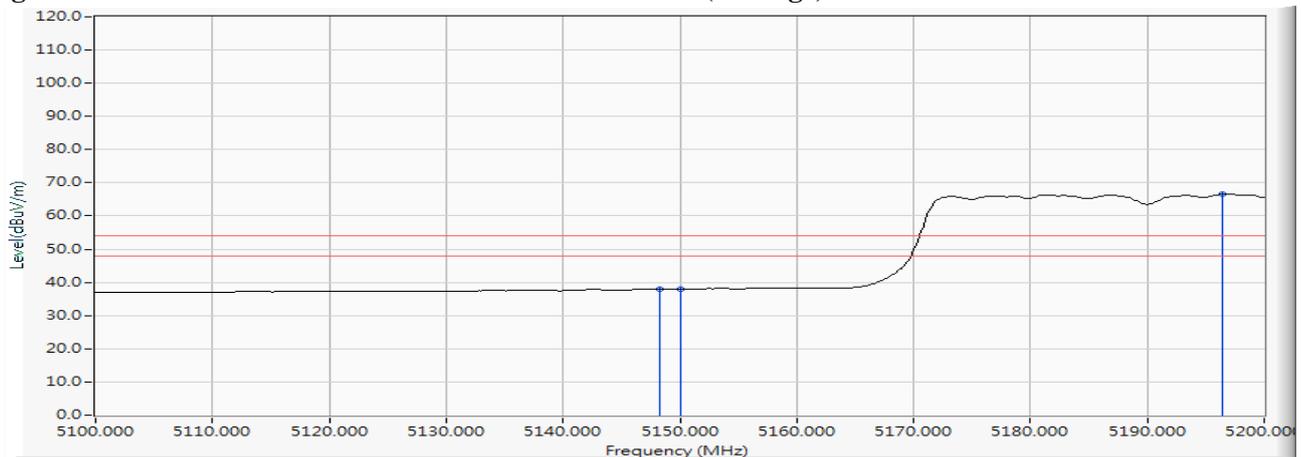


Figure Channel 42: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 58

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 58 (Peak) | 5301.122 | 13.228 | 84.665 | 97.893 | -- | -- | -- |
| 58 (Peak) | 5350.000 | 13.424 | 41.253 | 54.676 | 74.00 | 54.00 | Pass |
| 58 (Peak) | 5358.333 | 13.395 | 41.642 | 55.037 | 74.00 | 54.00 | Pass |
| 58 (Average) | 5304.808 | 13.186 | 56.680 | 69.867 | -- | -- | -- |
| 58 (Average) | 5350.000 | 13.424 | 26.698 | 40.121 | 74.00 | 54.00 | Pass |
| 58 (Average) | 5353.686 | 13.410 | 26.720 | 40.130 | 74.00 | 54.00 | Pass |

Figure Channel 58: Horizontal (Peak)

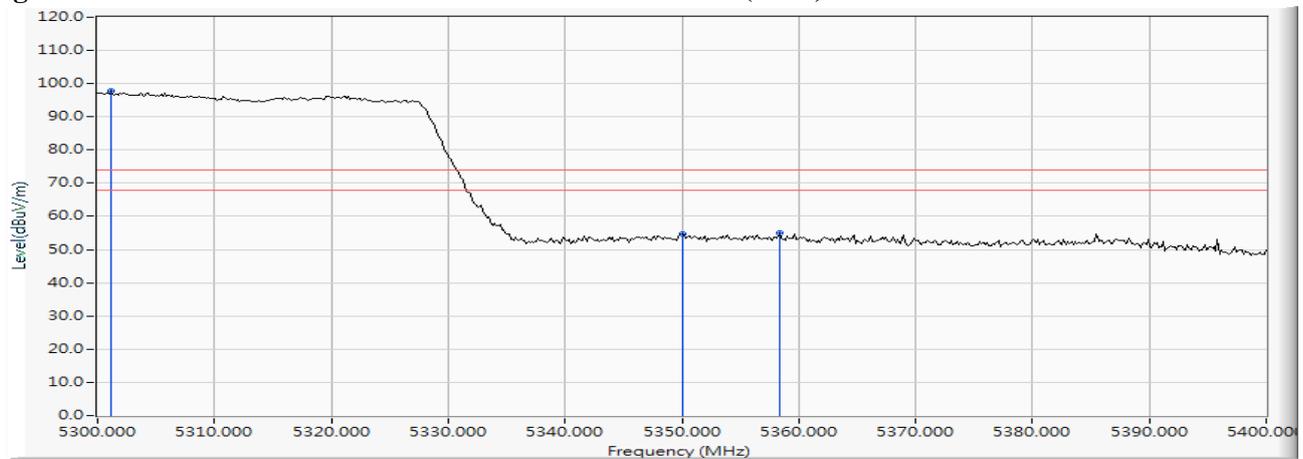
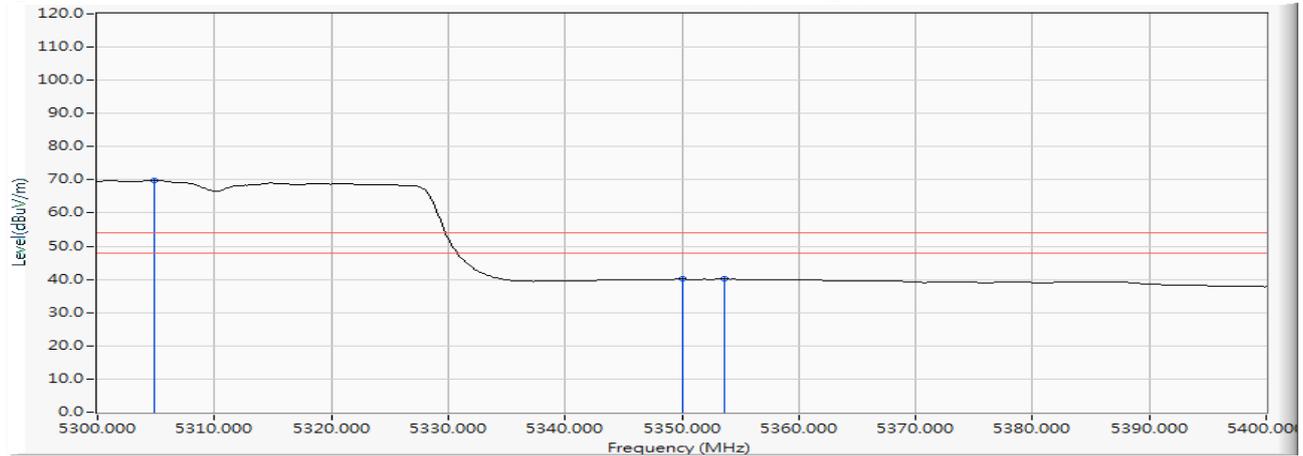


Figure Channel 58: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 58

RF Radiated Measurement (Vertical):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|--------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 58 (Peak) | 5300.962 | 13.230 | 78.584 | 91.814 | -- | -- | -- |
| 58 (Peak) | 5350.000 | 13.424 | 36.731 | 50.154 | 74.00 | 54.00 | Pass |
| 58 (Peak) | 5354.487 | 13.407 | 39.291 | 52.699 | 74.00 | 54.00 | Pass |
| 58 (Average) | 5302.564 | 13.212 | 53.168 | 66.380 | -- | -- | -- |
| 58 (Average) | 5350.000 | 13.424 | 25.088 | 38.511 | 74.00 | 54.00 | Pass |

Figure Channel 58: Vertical (Peak)

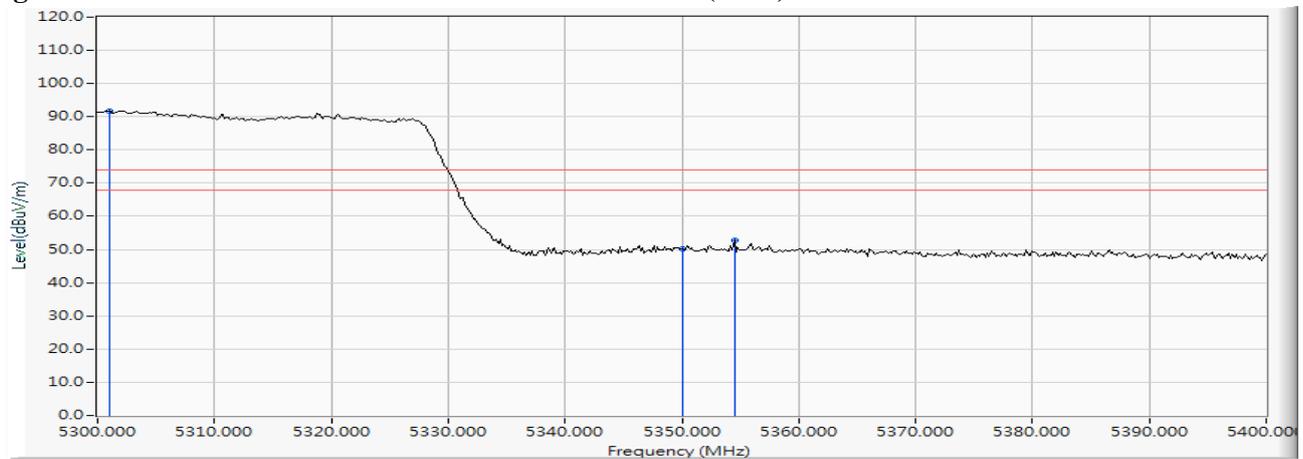
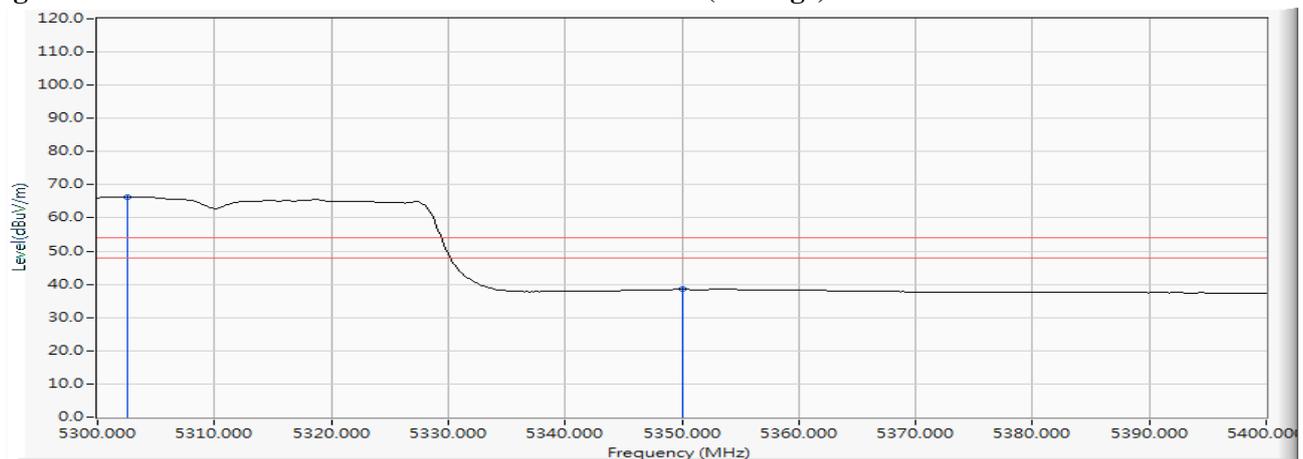


Figure Channel 58: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 106

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|---------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 106 (Peak) | 5444.295 | 13.604 | 42.498 | 56.102 | 74.00 | 54.00 | Pass |
| 106 (Peak) | 5460.000 | 13.502 | 40.723 | 54.225 | 74.00 | 54.00 | Pass |
| 106 (Peak) | 5509.359 | 13.704 | 82.759 | 96.463 | -- | -- | -- |
| 106 (Average) | 5456.314 | 13.518 | 27.531 | 41.049 | 74.00 | 54.00 | Pass |
| 106 (Average) | 5460.000 | 13.502 | 27.497 | 40.999 | 74.00 | 54.00 | Pass |
| 106 (Average) | 5501.346 | 13.614 | 55.410 | 69.024 | -- | -- | -- |

Figure Channel 106: Horizontal (Peak)

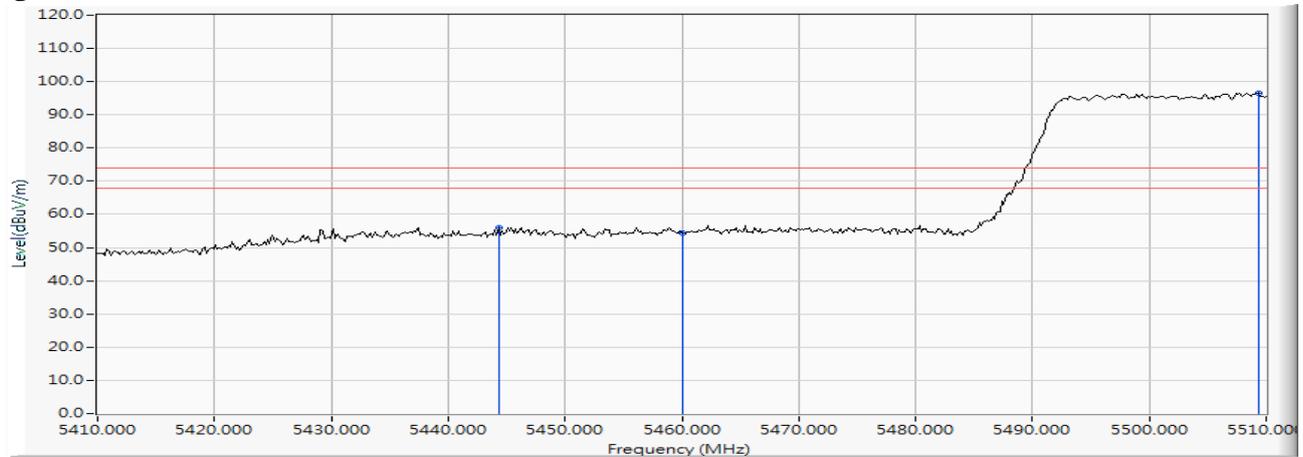
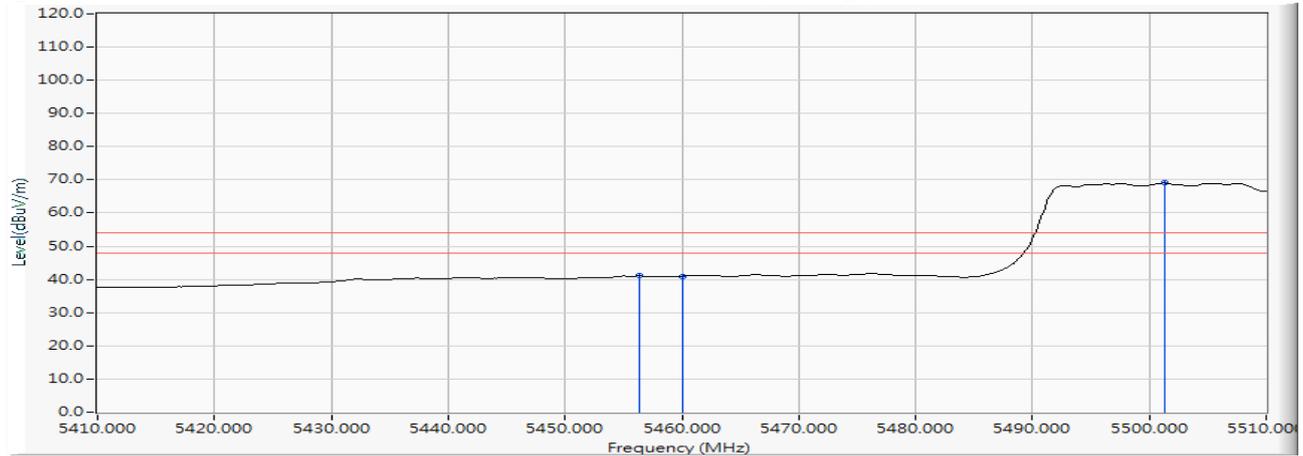


Figure Channel 106: Horizontal (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 106

RF Radiated Measurement (Vertical):

| Channel No. | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBμV) | Emission Level (dBμV/m) | Peak Limit (dBμV/m) | Average Limit (dBμV/m) | Result |
|---------------|-----------------|---------------------|----------------------|-------------------------|---------------------|------------------------|--------|
| 106 (Peak) | 5441.090 | 13.626 | 38.513 | 52.140 | 74.00 | 54.00 | Pass |
| 106 (Peak) | 5460.000 | 13.502 | 35.615 | 49.117 | 74.00 | 54.00 | Pass |
| 106 (Peak) | 5502.468 | 13.627 | 75.406 | 89.032 | -- | -- | -- |
| 106 (Average) | 5444.776 | 13.602 | 24.735 | 38.336 | 74.00 | 54.00 | Pass |
| 106 (Average) | 5460.000 | 13.502 | 24.490 | 37.992 | 74.00 | 54.00 | Pass |
| 106 (Average) | 5504.712 | 13.652 | 50.253 | 63.904 | -- | -- | -- |

Figure Channel 106: Vertical (Peak)

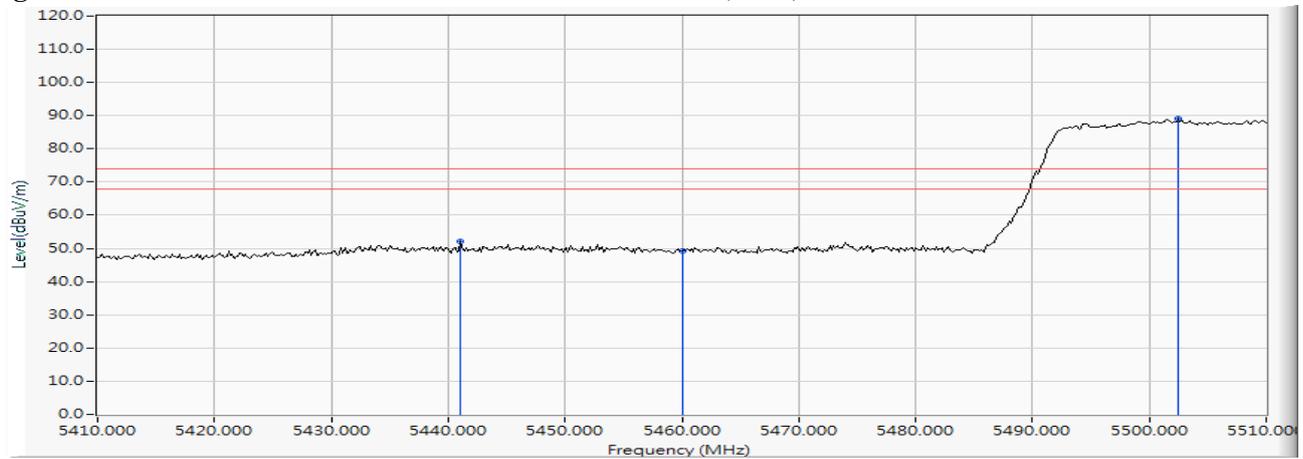
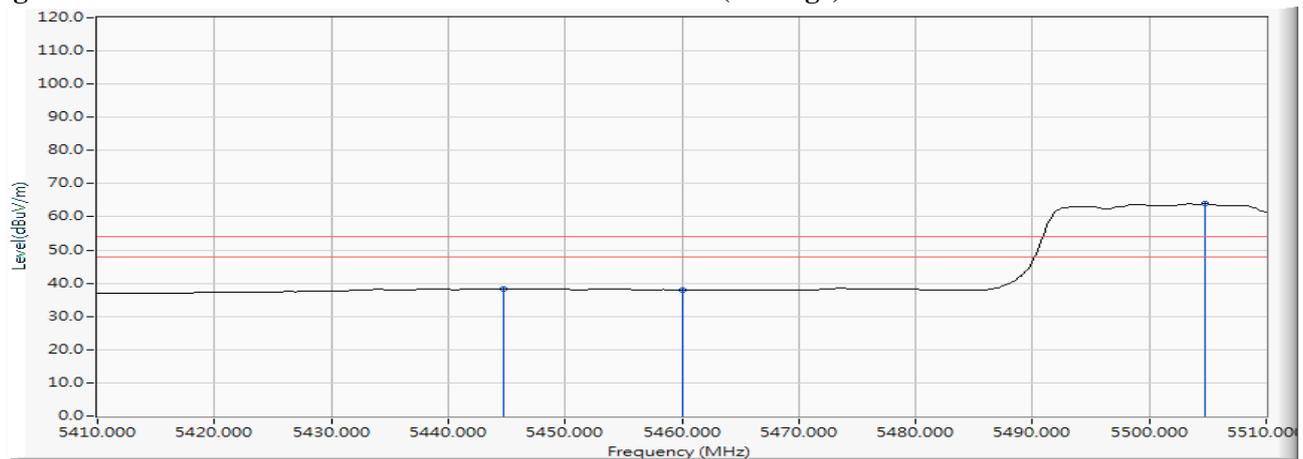


Figure Channel 106: Vertical (Average)



Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Nexus Player
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 106

RF Radiated Measurement:

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|------------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Horizontal | 5470.000 | 3.585 | 35.407 | 38.992 | -29.228 | 68.220 | Pass |

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|----------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Vertical | 5470.000 | 4.075 | 36.254 | 40.329 | -27.891 | 68.220 | Pass |

Product : Nexus Player
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-65Mbps) -Channel 138

RF Radiated Measurement:

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|------------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Horizontal | 5825.000 | 4.113 | 33.932 | 38.045 | -40.175 | 78.220 | Pass |
| Horizontal | 5835.000 | 4.112 | 32.963 | 37.075 | -31.145 | 68.220 | Pass |

| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBm) | Measure Level (dBm/m) | Margin (dB) | Limit (dBm/m) | Result |
|----------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|--------|
| Vertical | 5825.000 | 4.603 | 34.383 | 38.986 | -39.234 | 78.220 | Pass |
| Vertical | 5835.000 | 4.602 | 33.552 | 38.154 | -30.066 | 68.220 | Pass |

5. EMI Reduction Method During Compliance Testing

No modification was made during testing.

Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs