# RF TEST REPORT

GLOBAL TESTING & CERTIFICATIONS
YOUR CHOICE FOR- TCB FCB CB NB CAB RCB

Report No.: 16071173-FCC-R2

Supersede Report No.: N/A

| | |
|---|---|
| Applicant | AOC |
| Product Name | Tablet PC |
| Model No. | A726 |
| Serial No. | N/A |
| Test Standard | FCC Part 15.247: 2015, ANSI C63.10: 2013 |
| Test Date | September 21 to October 17, 2016 |
| Issue Date | October 18, 2016 |
| Test Result | ☑ Pass ☐ Fail |
| Equipment complied with the specification | ☑ |
| Equipment did not comply with the specification | ☐ |

| | | |
|---|---|---|
| Loren Luo | David Huang | |
| Loren Luo<br>Test Engineer | David Huang<br>Checked By | |

This test report may be reproduced in full only

Test result presented in this test report is applicable to the tested sample only


Issued by:

SIEMIC (SHENZHEN-CHINA) LABORATORIES

Zone A, Floor 1, Building 2 Wan Ye Long Technology Park

South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China 518108

Phone: +86 0755 2601 4629801 Email: China@siemic.com.cn

# Laboratories Introduction

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.


In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

## Accreditations for Conformity Assessment

| Country/Region | Scope |
| --- | --- |
| USA | EMC, RF/Wireless, SAR, Telecom |
| Canada | EMC, RF/Wireless, SAR, Telecom |
| Taiwan | EMC, RF, Telecom, SAR, Safety |
| Hong Kong | RF/Wireless, SAR, Telecom |
| Australia | EMC, RF, Telecom, SAR, Safety |
| Korea | EMI, EMS, RF, SAR, Telecom, Safety |
| Japan | EMI, RF/Wireless, SAR, Telecom |
| Singapore | EMC, RF, SAR, Telecom |
| Europe | EMC, RF, SAR, Telecom, Safety |

This page has been left blank intentionally.

# CONTENTS

# 1. Report Revision History

| Report No. | Report Version | Description | Issue Date |
|---|---|---|---|
| 16071173-FCC-R2 | NONE | Original | October 18, 2016 |
| | | | |
| | | | |
| | | | |
| | | | |

# 2. Customer information

| | |
|---|---|
| Applicant Name | AOC |
| Applicant Add | 14F-5, NO.258, Liancheng Rd., Zhonghe Dist., New Taipei City, Taiwan |
| Manufacturer | China Great Wall Computer Shenzhen Co., Ltd. |
| Manufacturer Add | No.Great Wall Computer Industrial Park,Bao Shi East Road,Bao’ an Bistrict,Shenzhen,P.R.China |

# 3. Test site information

| | |
|---|---|
| Lab performing tests | SIEMIC (Shenzhen-China) LABORATORIES |
| Lab Address | Zone A, Floor 1, Building 2 Wan Ye Long Technology Park South Side of Zhoushi Road, Bao’ an District, Shenzhen, Guangdong China 518108 |
| FCC Test Site No. | 718246 |
| IC Test Site No. | 4842E-1 |
| Test Software | Radiated Emission Program-To Shenzhen v2.0 |

# 4. Equipment under Test (EUT) Information

| | |
|---|---|
| Description of EUT: | Tablet PC |
| Main Model: | A726 |
| Serial Model: | N/A |
| Date EUT received: | September 20, 2016 |
| Test Date(s): | September 21 to October 17, 2016 |
| Equipment Category： | DTS |
| Antenna Gain: | Bluetooth/WIFI: 2dBi |
| Antenna Type: | PIFA antenna |
| Type of Modulation: | 802.11b/g/n: DSSS, OFDM<br>Bluetooth: GFSK, π /4DQPSK, 8DPSK |
| RF Operating Frequency (ies): | WIFI: 802.11b/g/n(20M): 2412-2462 MHz<br>WIFI: 802.11n(40M): 2422-2452 MHz<br>Bluetooth: 2402-2480 MHz |
| Max. Output Power: | 802.11b: 11.50dBm<br>802.11g: 11.72dBm<br>802.11n(20M): 11.97dBm<br>802.11n(40M): 11.58dBm |
| Number of Channels: | WIFI :802.11b/g/n(20M): 11CH<br>WIFI :802.11n(40M): 7CH<br>Bluetooth: 79CH |
| Port: | Earphone Port, USB Port，SD Card Port |

| | |
|---|---|
| Input Power: | Adapter:<br>Model: SC/5WM500100-US<br>Input: AC 100-240V~50/60Hz;0.4A<br>Output: DC 5.0V,1000mA<br>Battery:<br>Spec: 3.7V,2500mAh(9.25Wh) |
| Trade Name : | AOC |
| FCC ID: | 2AEB5-A726 |

# 5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

| FCC Rules | Description of Test | Result |
|---|---|---|
| §15.203 | Antenna Requirement | Compliance |
| §15.247 (a)(2) | DTS (6 dB&20 dB) CHANNEL BANDWIDTH | Compliance |
| §15.247(b)(3) | Conducted Maximum Output Power | Compliance |
| §15.247(e) | Power Spectral Density | Compliance |
| §15.247(d) | Band-Edge & Unwanted Emissions into Restricted Frequency Bands | Compliance |
| §15.207 (a), | AC Power Line Conducted Emissions | Compliance |
| §15.205, §15.209, §15.247(d) | Radiated Spurious Emissions & Unwanted Emissions into Restricted Frequency Bands | Compliance |

**Measurement Uncertainty**

| Emissions | | |
|---|---|---|
| **Test Item** | **Description** | **Uncertainty** |
| Band Edge and Radiated Spurious Emissions | Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m) | +5.6dB/-4.5dB |
| - | - | - |

# 6. Measurements, Examination And Derived Results

## 6.1 Antenna Requirement

### Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited.
The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

a. Antenna must be permanently attached to the unit.

b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.
And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### Antenna Connector Construction

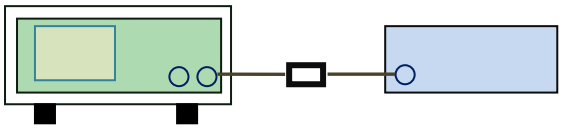
The EUT has 1 antenna:
A permanently attached PIFA antenna for Bluetooth/WIFI, the gain is 2dBi .

### The antenna meets up with the ANTENNA REQUIREMENT.

**Result:** Compliance.

## 6.2 DTS (6 dB&20 dB) Channel Bandwidth

| | |
|---|---|
| Temperature | 22℃ |
| Relative Humidity | 53% |
| Atmospheric Pressure | 1029mbar |
| Test date : | September 29, 2016 |
| Tested By : | Loren Luo |

| Spec | Item | Requirement | Applicable |
|---|---|---|---|
| § 15.247(a)(2) | a) | 6dB BW≥ 500kHz; 20dB BW≥ 500kHz; | ☑ |
| RSS Gen(4.6.1) | b) | 99% BW: For FCC reference only; required by IC. | ☑ |
| Test Setup |  | | |
| Test Procedure | 558074 D01 DTS MEAS Guidance v03r03, 8.1 DTS bandwidth<br>6dB bandwidth<br>a) Set RBW = 100 kHz.<br>b) Set the video bandwidth (VBW) ≥ 3 × RBW.<br>c) Detector = Peak.<br>d) Trace mode = max hold.<br>e) Sweep = auto couple.<br>f) Allow the trace to stabilize.<br>g) Measure the maximum width of the emission that is constrained by the freq uencies associated with the two outermost amplitude points (upper and lower fr equencies) that are attenuated by 6 dB relative to the maximum level measure d in the fundamental emission.<br>20dB bandwidth<br>C63.10 Occupied Bandwidth (OBW=20dB bandwidth)<br>1. Set RBW = 1%-5% OBW.<br>2. Set the video bandwidth (VBW) ≥ 3 x RBW.<br>3. Set the span range between 2 times and 5 times of the OBW.<br>4. Sweep time=Auto, Detector=PK, Trace=Max hold.<br>5. Once the reference level is established, the equipment is conditioned with t ypical modulating signals to produce the worst- | | |

| | |
|---|---|
| | case (i.e., the widest) bandwidth. Unless otherwise specified for an unlicensed wireless device, measure the bandwidth at the 20 dB levels with respect to the reference level. |
| Remark | |
| Result | ☑ Pass ☐ Fail |

**Test Data** ☑ Yes ☐ N/A

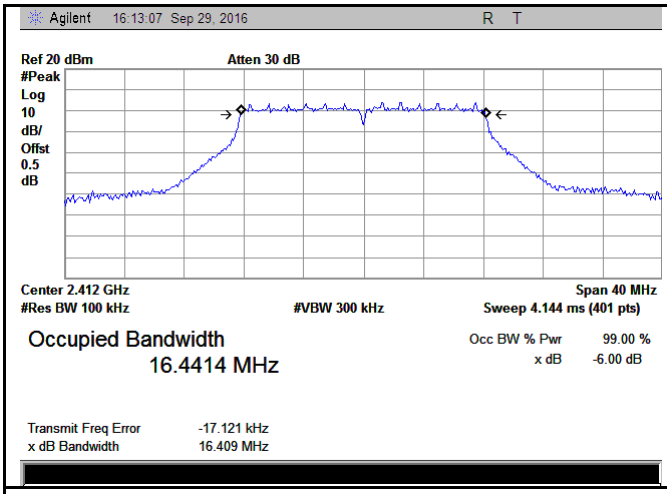
**Test Plot** ☑ Yes (See below) ☐ N/A

**Measurement result**

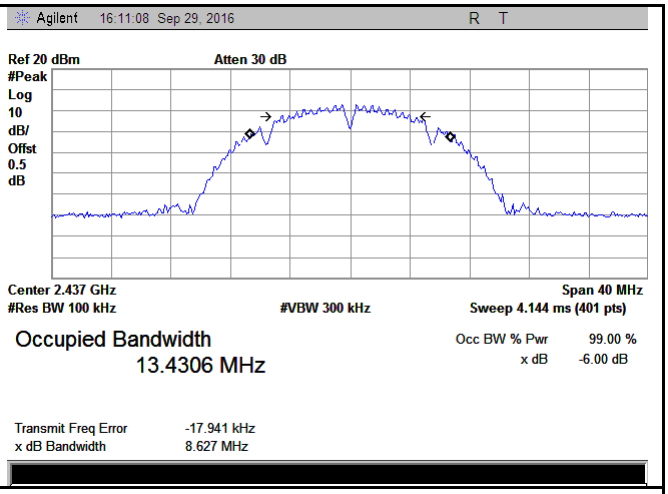
| Test mode | CH | Freq (MHz) | 6dB Bandwidth (MHz) | 20dB Bandwidth (MHz) | Limit (MHz) |
|---|---|---|---|---|---|
| 802.11b | Low | 2412 | 16.409 | 15.375 | ≥ 0.5 |
| | Mid | 2437 | 8.627 | 15.376 | ≥ 0.5 |
| | High | 2462 | 9.105 | 15.381 | ≥ 0.5 |
| 802.11g | Low | 2412 | 16.413 | 19.859 | ≥ 0.5 |
| | Mid | 2437 | 16.423 | 19.841 | ≥ 0.5 |
| | High | 2462 | 16.463 | 19.930 | ≥ 0.5 |
| 802.11n (20M) | Low | 2412 | 17.572 | 20.654 | ≥ 0.5 |
| | Mid | 2437 | 17.408 | 20.399 | ≥ 0.5 |
| | High | 2462 | 17.537 | 20.334 | ≥ 0.5 |
| 802.11n (40M) | Low | 2422 | 36.105 | 39.428 | ≥ 0.5 |
| | Mid | 2437 | 35.754 | 39.716 | ≥ 0.5 |
| | High | 2452 | 35.973 | 39.973 | ≥ 0.5 |

## Test Plots

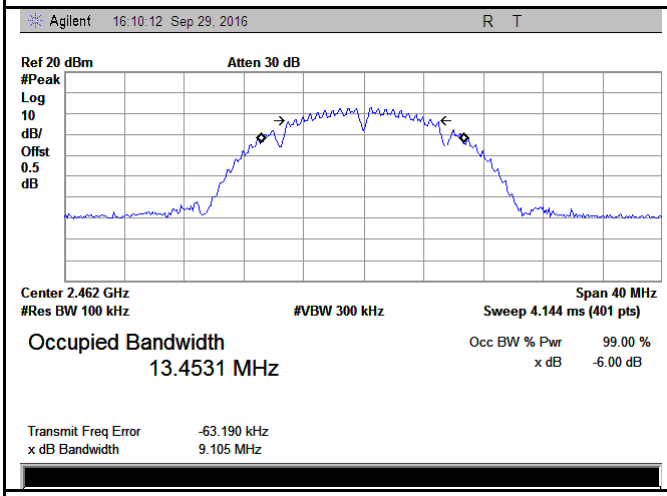
### 6dB Bandwidth measurement result



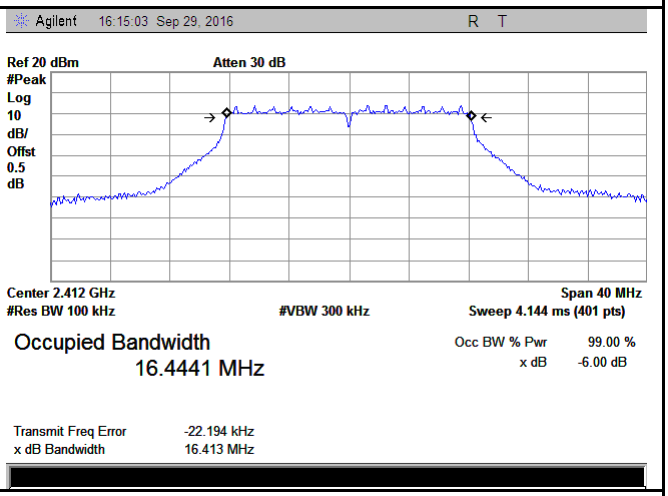

802.11b 6dB Bandwidth - Low CH 2412



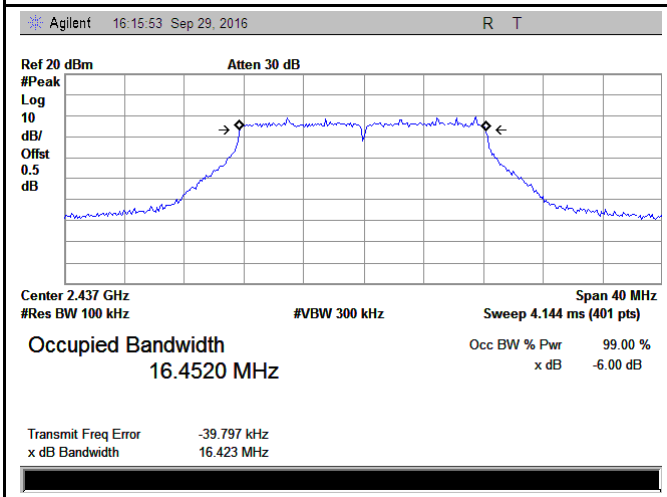

802.11b 6dB Bandwidth - Mid CH 2437



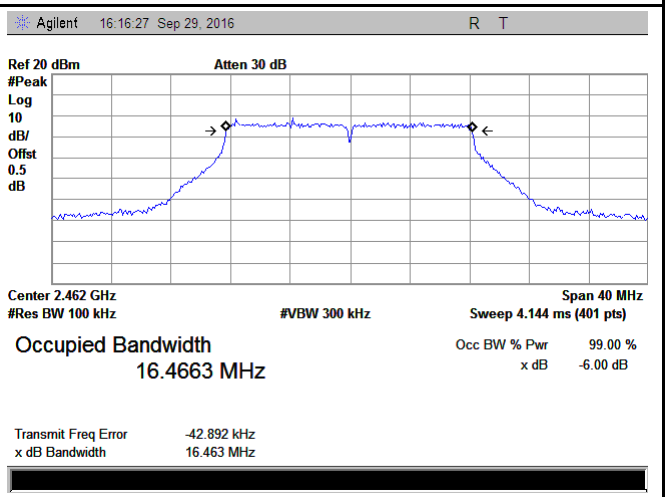

802.11b 6dB Bandwidth - High CH 2462



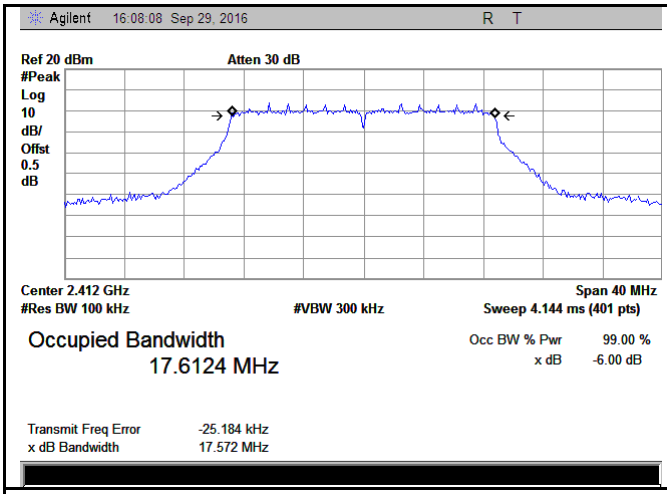

802.11g 6dB Bandwidth - Low CH 2412



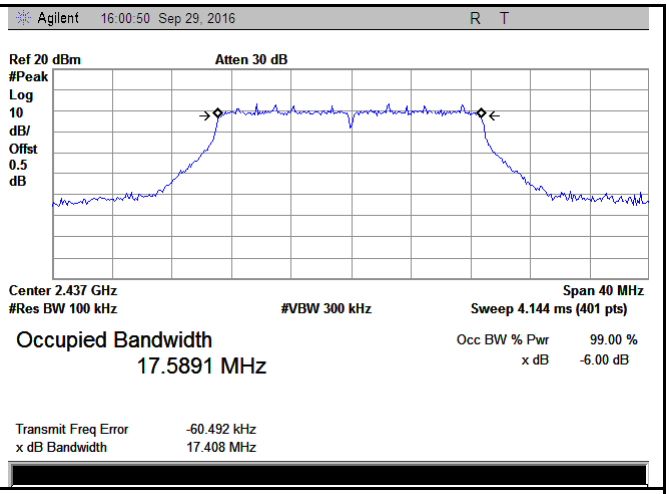

802.11g 6dB Bandwidth - Mid CH 2437



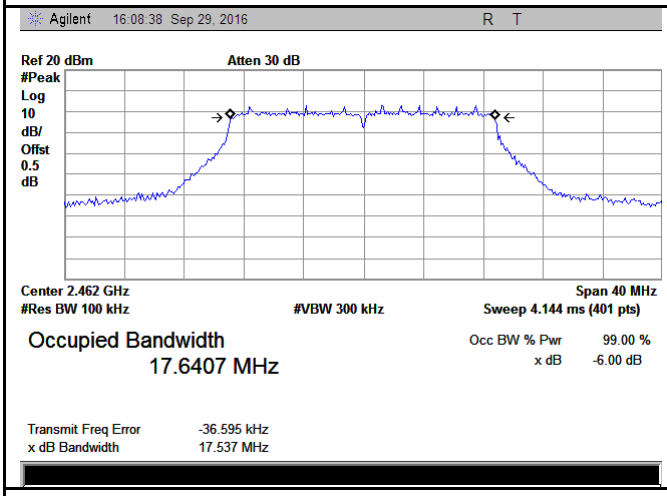

802.11g 6dB Bandwidth - High CH 2462



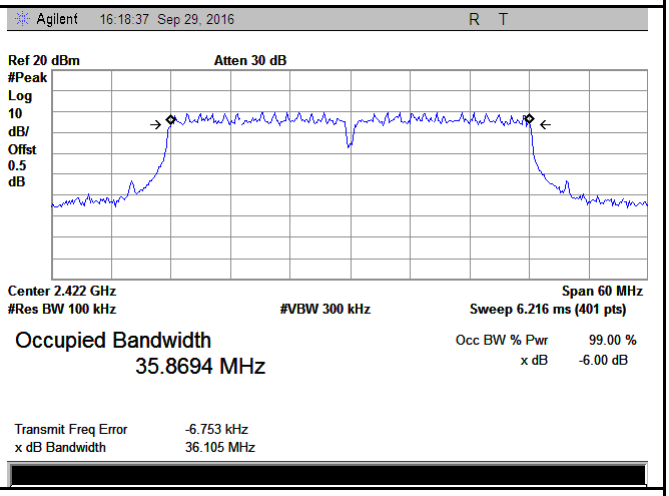

802.11n20 6dB Bandwidth - Low CH 2412



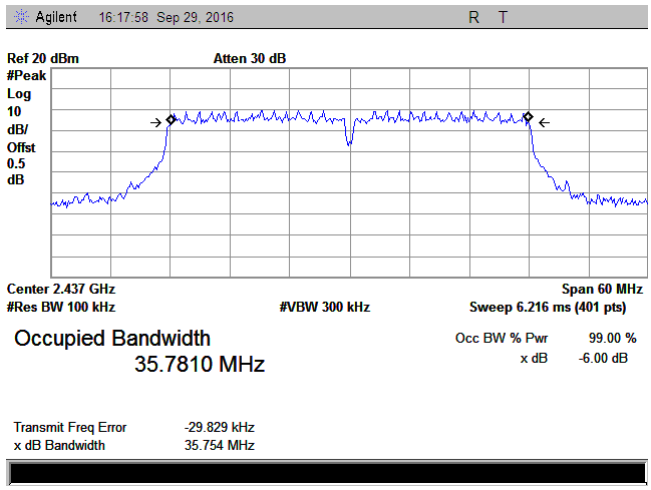

802.11n20 6dB Bandwidth - Mid CH 2437



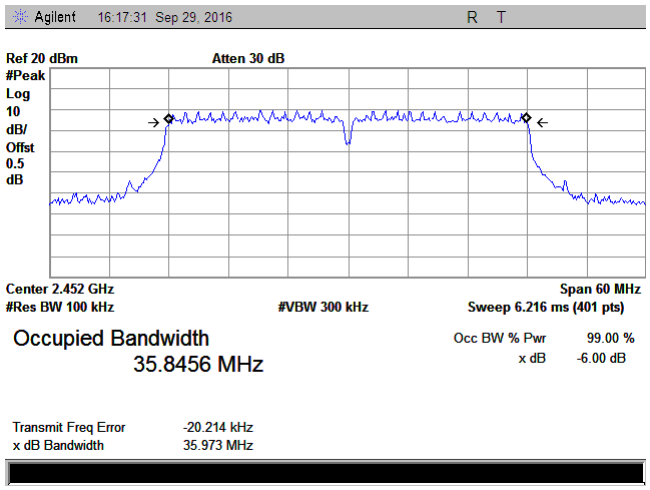

802.11n20 6dB Bandwidth - High CH 2462




802.11n40 6dB Bandwidth - Low CH 2422

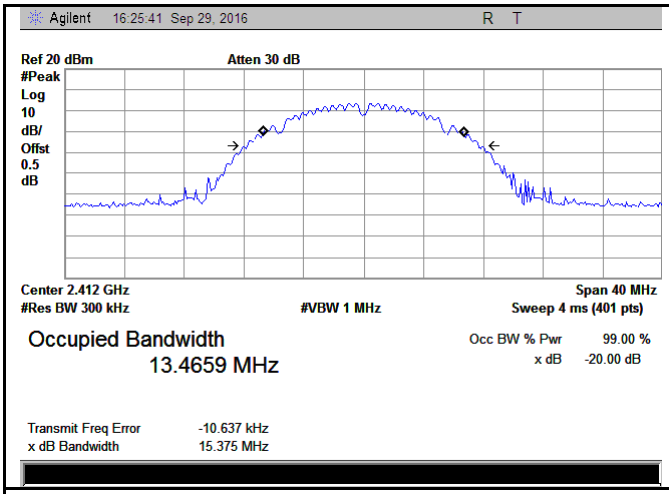



802.11n40 6dB Bandwidth - Mid CH 2437

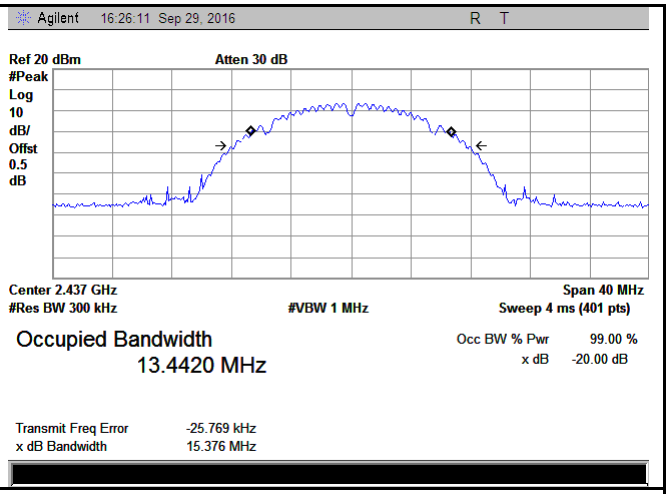



802.11n40 6dB Bandwidth - High CH 2452

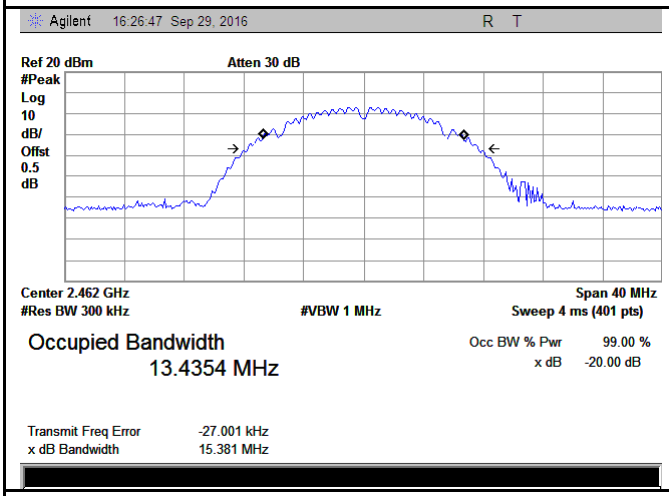
## 20 dB Bandwidth measurement result



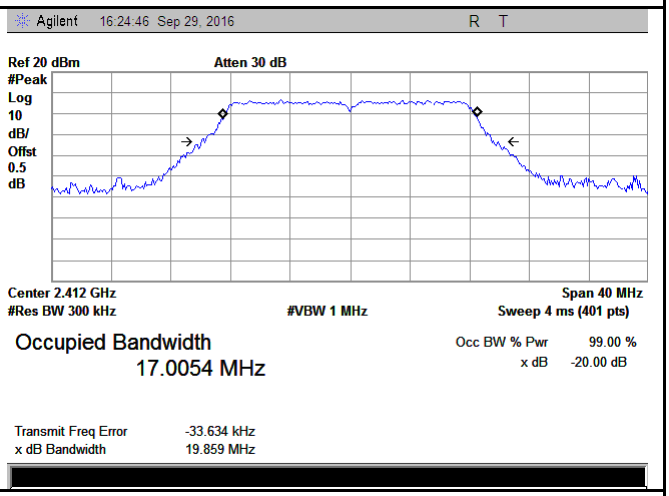

802.11b 20dB Bandwidth - Low CH 2412



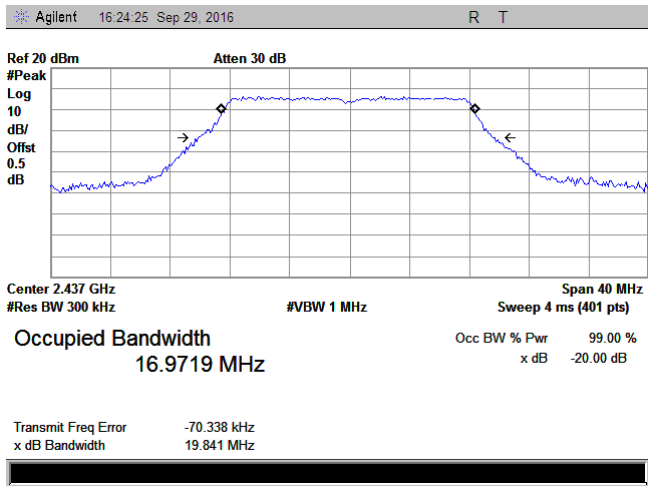

802.11b 20dB Bandwidth - Mid CH 2437



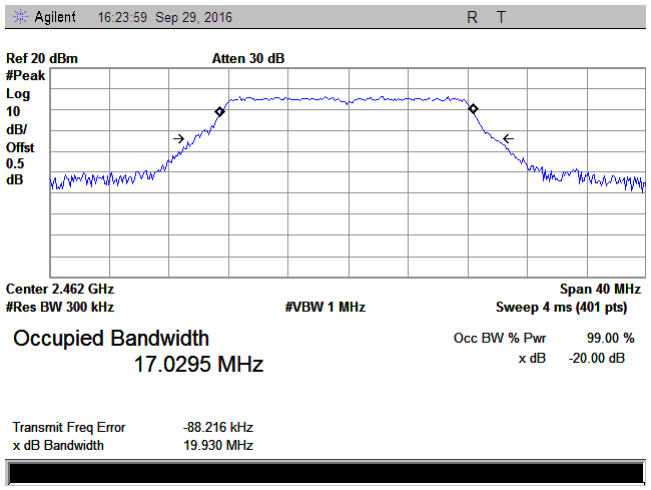

802.11b 20dB Bandwidth - High CH 2462



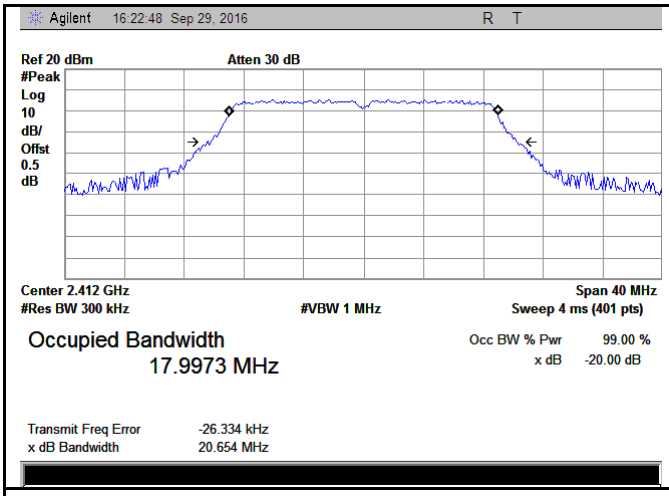

802.11g 20dB Bandwidth - Low CH 2412



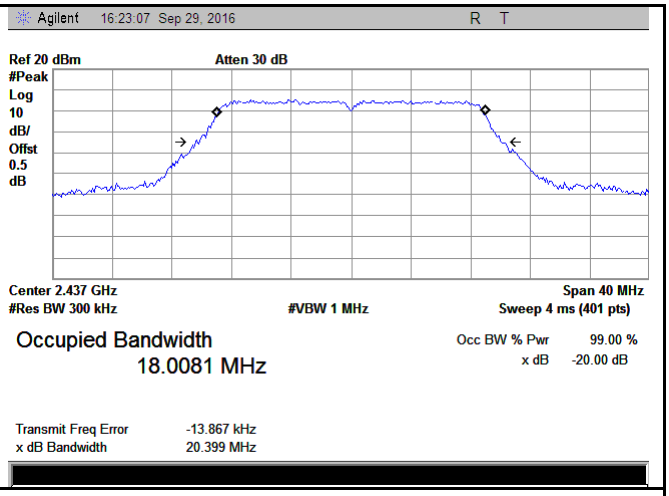

802.11g 20dB Bandwidth - Mid CH 2437



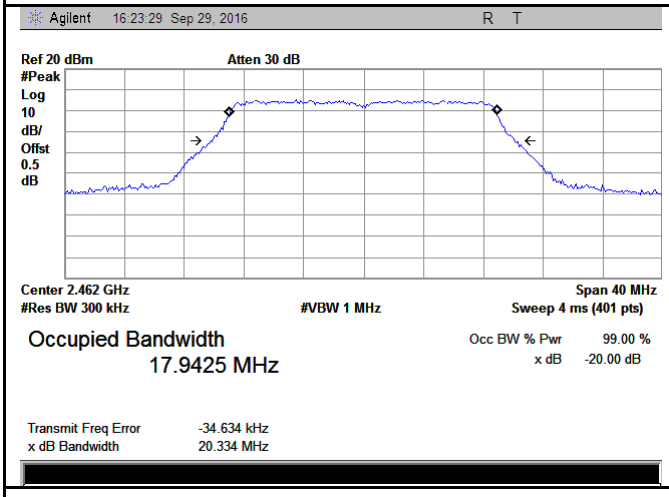

802.11g 20dB Bandwidth - High CH 2462



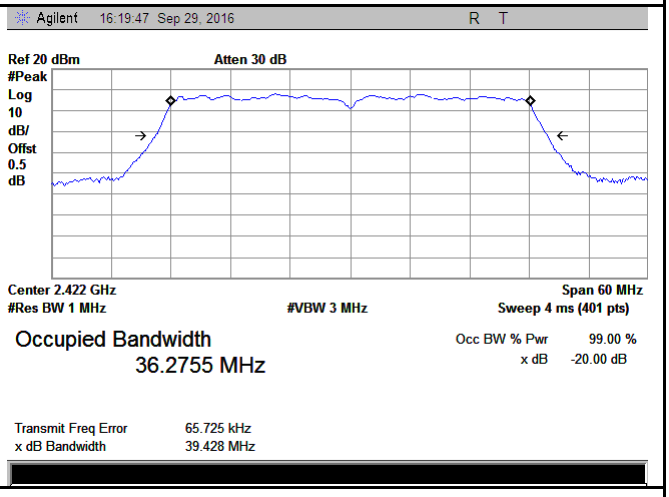

802.11n20 20dB Bandwidth - Low CH 2412



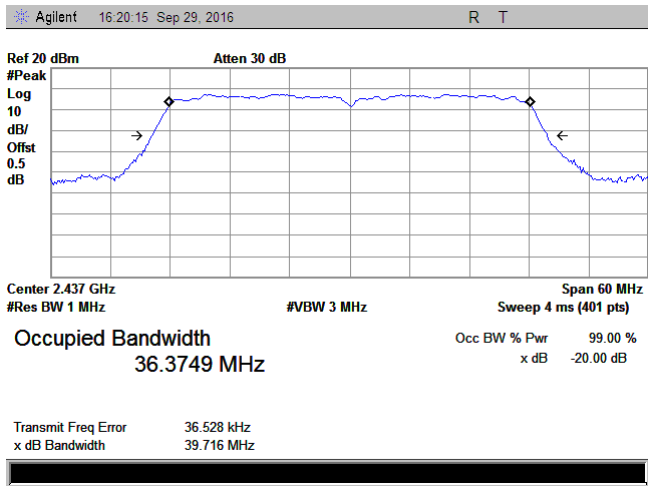

802.11n20 20dB Bandwidth - Mid CH 2437



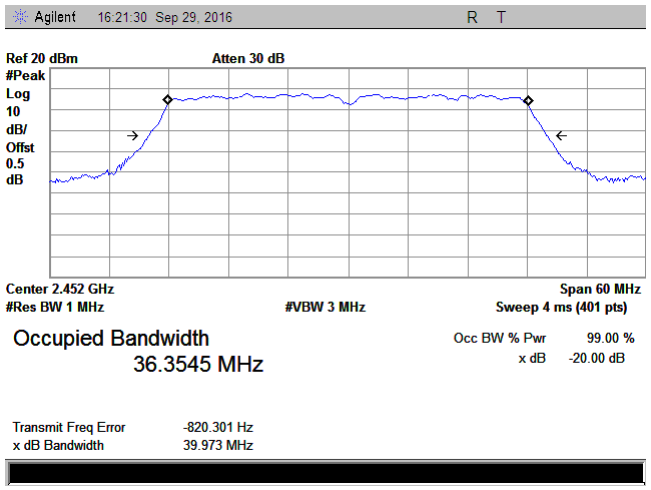

802.11n20 20dB Bandwidth - High CH 2462




802.11n40 20dB Bandwidth - Low CH 2422




802.11n40 20dB Bandwidth - Mid CH 2437

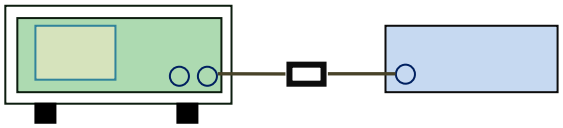



802.11n40 20dB Bandwidth - High CH 2452

## 6.3 Maximum Output Power

| | |
|---|---|
| Temperature | 22℃ |
| Relative Humidity | 53% |
| Atmospheric Pressure | 1029mbar |
| Test date : | September 29, 2016 |
| Tested By : | Loren Luo |

**Requirement(s):**

| Spec | Item | Requirement | Applicable |
|---|---|---|---|
| §15.247(b)(3),RSS210(A8.4) | a) | FHSS in 2400-2483.5MHz with ≥ 75 channels: ≤ 1 Watt | ☐ |
| | b) | FHSS in 5725-5850MHz: ≤ 1 Watt | ☐ |
| | c) | For all other FHSS in the 2400-2483.5MHz band: ≤ 0.125 Watt. | ☐ |
| | d) | FHSS in 902-928MHz with ≥ 50 channels: ≤ 1 Watt | ☐ |
| | e) | FHSS in 902-928MHz with ≥ 25 & <50 channels: ≤ 0.25 Watt | ☐ |
| | f) | DTS in 902-928MHz, 2400-2483.5MHz: ≤ 1 Watt | ☑ |
| Test Setup |  | | |
| Test Procedure | 558074 D01 DTS MEAS Guidance v03r03, 9.1.2 Integrated band power method<br>Maximum output power measurement procedure<br>- a) Set span to at least 1.5 times the OBW.<br>- b) Set RBW = 1-5% of the OBW, not to exceed 1 MHz.<br>- c) Set VBW ≥ 3 x RBW.<br>- d) Number of points in sweep ≥ 2 × span / RBW. (This gives bin-to-bin spacing ≤ RBW/2, so that narrowband signals are not lost between frequency bins.)<br>- e) Sweep time = auto.<br>- f) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.<br>- g) If transmit duty cycle < 98 %, use a sweep trigger with the level set to enable triggering only on full power pulses. The transmitter shall operate at maximum | | |

| | |
|---|---|
| | power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle ≥ 98 %, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to " free run" .<br>- h) Trace average at least 100 traces in power averaging (i.e., RMS) mode.<br>- i) Compute power by integrating the spectrum across the OBW of the signal using the instrument' s band power measurement function, with band limits set equal to the OBW band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum. |
| Remark | |
| Result | ☑ Pass ☐ Fail |

**Test Data** ☑ Yes ☐ N/A

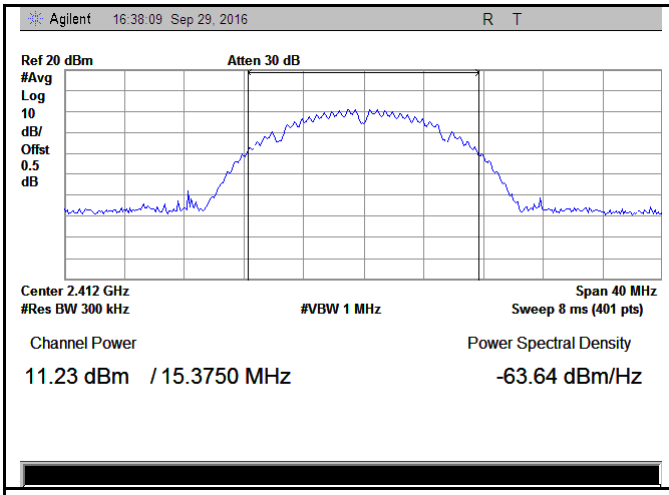
**Test Plot** ☑ Yes (See below) ☐ N/A

**Output Power measurement result**

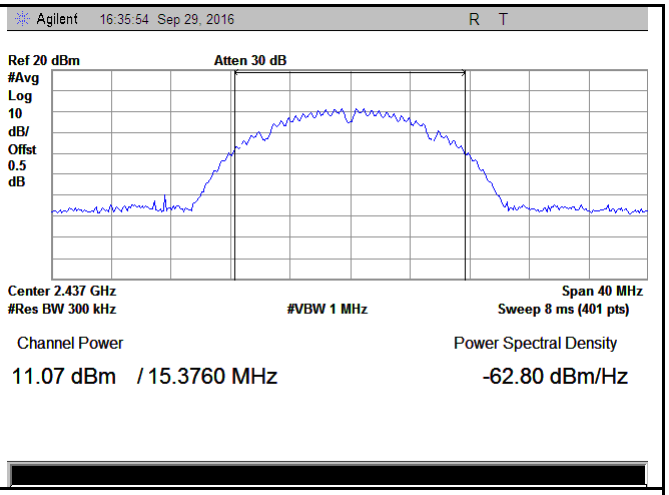
| Type | Test mode | CH | Frequency (MHz) | Conducted Power (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|
| Output power | 802.11b | Low | 2412 | 11.23 | 30 | Pass |
| | | Mid | 2437 | 11.07 | 30 | Pass |
| | | High | 2462 | **11.50** | 30 | Pass |
| | 802.11g | Low | 2412 | **11.72** | 30 | Pass |
| | | Mid | 2437 | 11.31 | 30 | Pass |
| | | High | 2462 | 11.22 | 30 | Pass |
| | 802.11n (20M) | Low | 2412 | 11.52 | 30 | Pass |
| | | Mid | 2437 | 11.73 | 30 | Pass |
| | | High | 2462 | **11.97** | 30 | Pass |
| | 802.11n (40M) | Low | 2422 | 11.04 | 30 | Pass |
| | | Mid | 2437 | **11.58** | 30 | Pass |
| | | High | 2452 | 11.34 | 30 | Pass |

## Test Plots

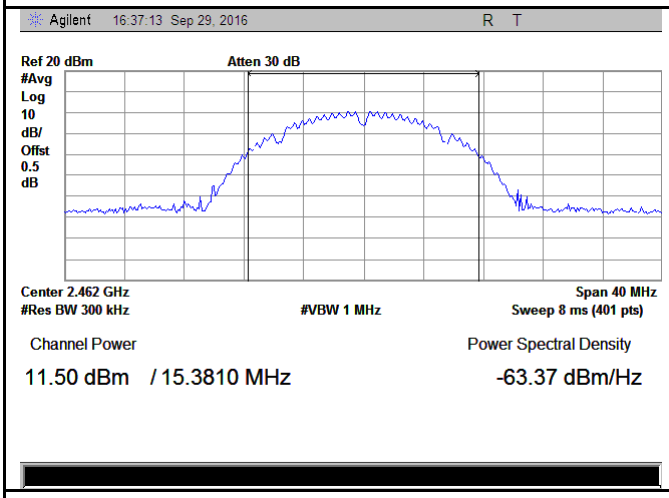
### The Average Power



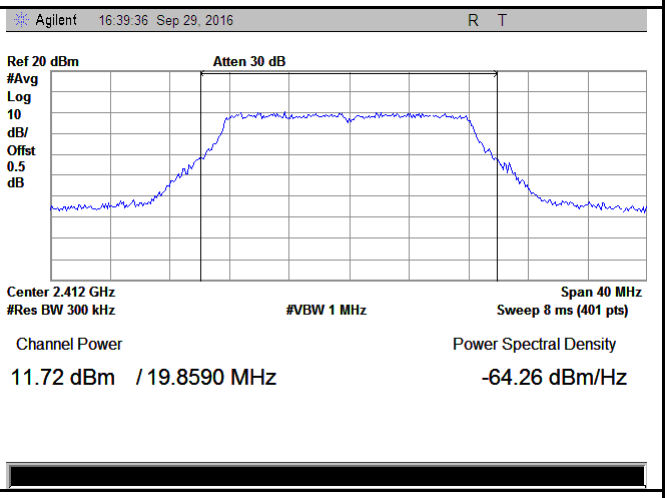

802.11b - AV Output power - Low CH 2412



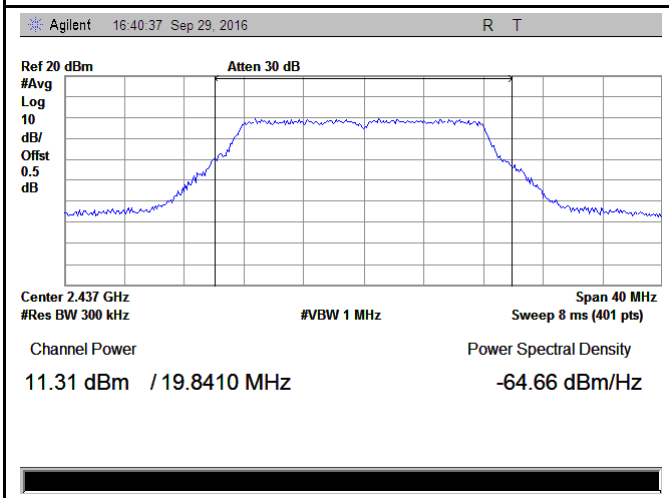

802.11b - AV Output power - Mid CH 2437



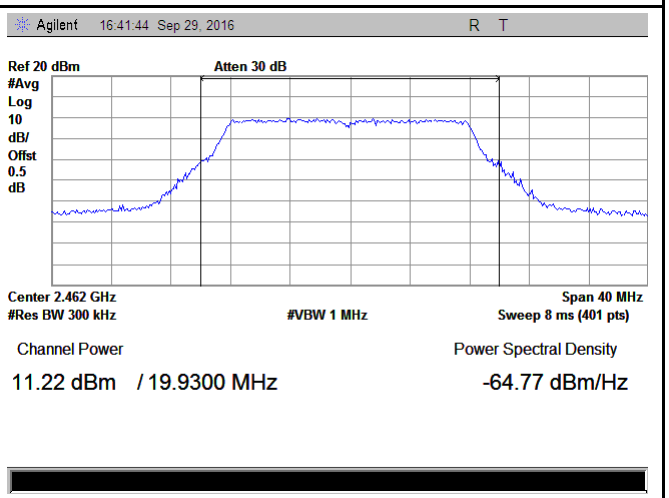

802.11b - AV Output power - High CH 2462



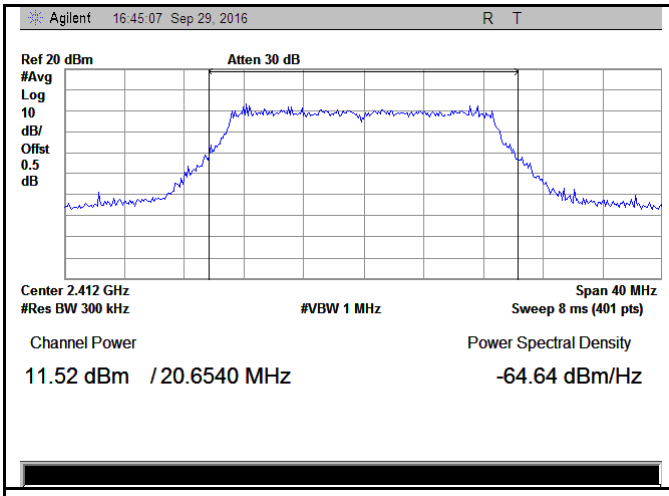

802.11g - AV Output power - Low CH 2412



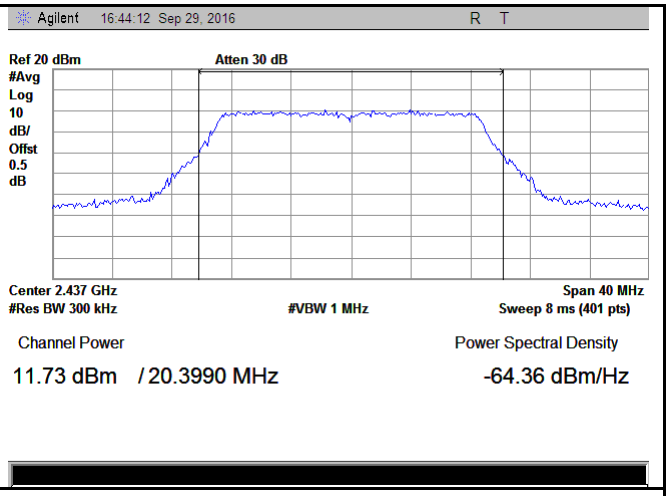

802.11g - AV Output power - Mid CH 2437



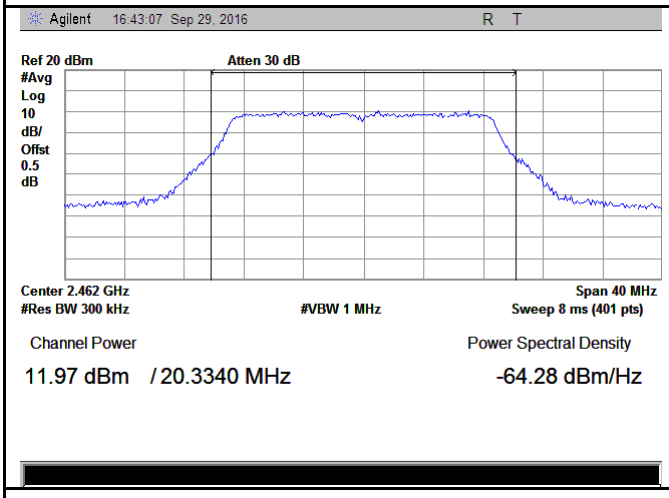

802.11g - AV Output power - High CH 2462



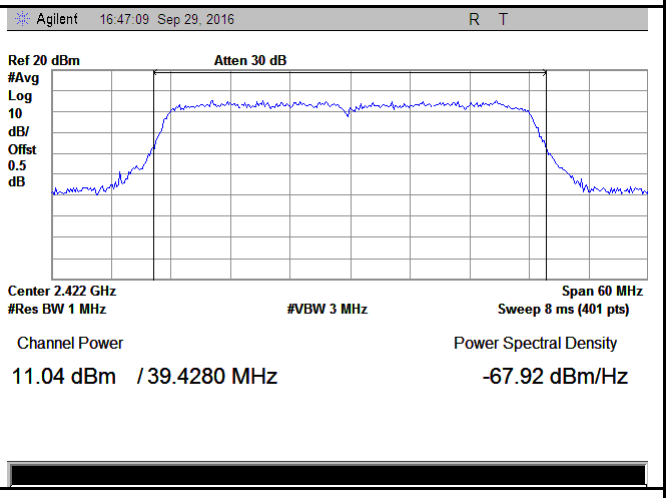

802.11n20 - AV Output power - Low CH 2412



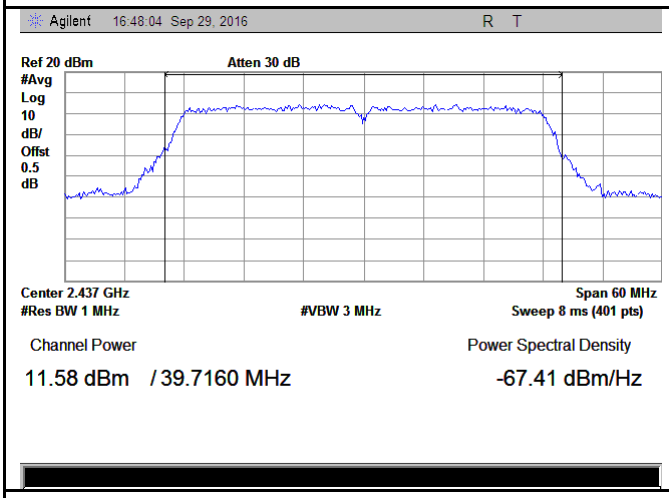

802.11n20 - AV Output power - Mid CH 2437



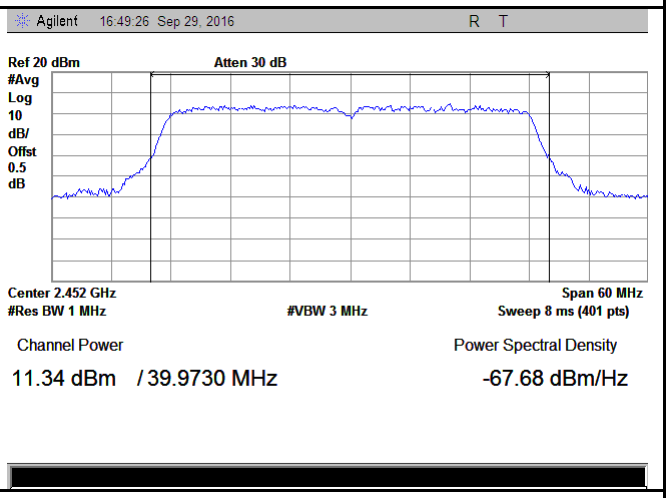

802.11n20 - AV Output power - High CH 2462




802.11n40 - AV Output power - Low CH 2422



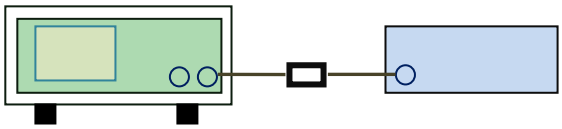

802.11n40 - AV Output power - Mid CH 2437




802.11n40 - AV Output power - High CH 2452

## 6.4 Power Spectral Density

| | |
|---|---|
| Temperature | 22℃ |
| Relative Humidity | 53% |
| Atmospheric Pressure | 1029mbar |
| Test date : | September 29, 2016 |
| Tested By : | Loren Luo |

| Spec | Item | Requirement | Applicable |
|---|---|---|---|
| §15.247(e) | a) | The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. | ☑ |
| Test Setup |  | | |
| Test Procedure | 558074 D01 DTS MEAS Guidance v03r03, 10.2 power spectral density method power spectral density measurement procedure<br>- a) Set analyzer center frequency to DTS channel center frequency.<br>- b) Set the span to 1.5 times the DTS bandwidth.<br>- c) Set the RBW to: 3 kHz ≤ RBW ≤ 100 kHz.<br>- d) Set the VBW ≥ 3 × RBW.<br>- e) Detector = peak.<br>- f) Sweep time = auto couple.<br>- g) Trace mode = max hold.<br>- h) Allow trace to fully stabilize.<br>- i) Use the peak marker function to determine the maximum amplitude level within the RBW.<br>- j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat. | | |
| Remark | | | |
| Result | ☑ Pass ☐ Fail | | |

**Test Data** ☑ Yes ☐ N/A

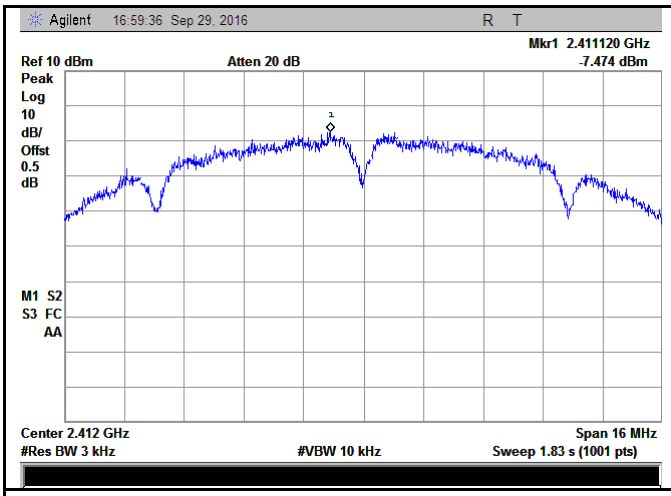
**Test Plot** ☑ Yes (See below) ☐ N/A

**Power Spectral Density measurement result**

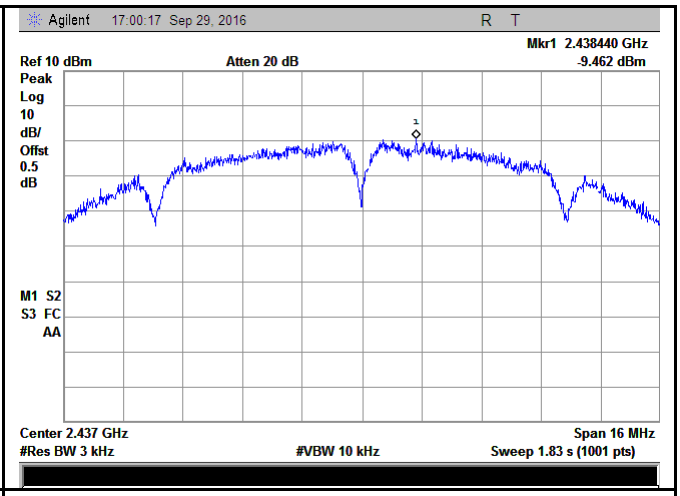
| Type | Test mode | CH | Freq (MHz) | PSD (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|
| PSD | 802.11b | Low | 2412 | -7.474 | 8 | Pass |
| | | Mid | 2437 | -9.462 | 8 | Pass |
| | | High | 2462 | -8.62 | 8 | Pass |
| | 802.11g | Low | 2412 | -10.18 | 8 | Pass |
| | | Mid | 2437 | -10.15 | 8 | Pass |
| | | High | 2462 | -8.433 | 8 | Pass |
| | 802.11n (20M) | Low | 2412 | -11.4 | 8 | Pass |
| | | Mid | 2437 | -11.22 | 8 | Pass |
| | | High | 2462 | -10.47 | 8 | Pass |
| | 802.11n (40M) | Low | 2422 | -14 | 8 | Pass |
| | | Mid | 2437 | -14.4 | 8 | Pass |
| | | High | 2452 | -15.16 | 8 | Pass |

## Test Plots

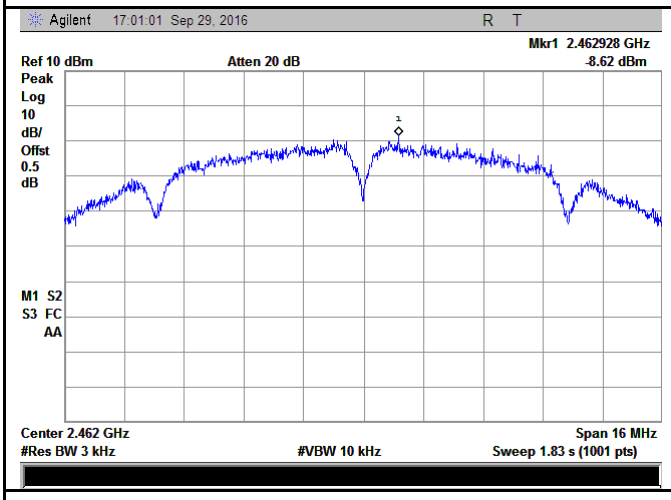
### Power Spectral Density measurement result



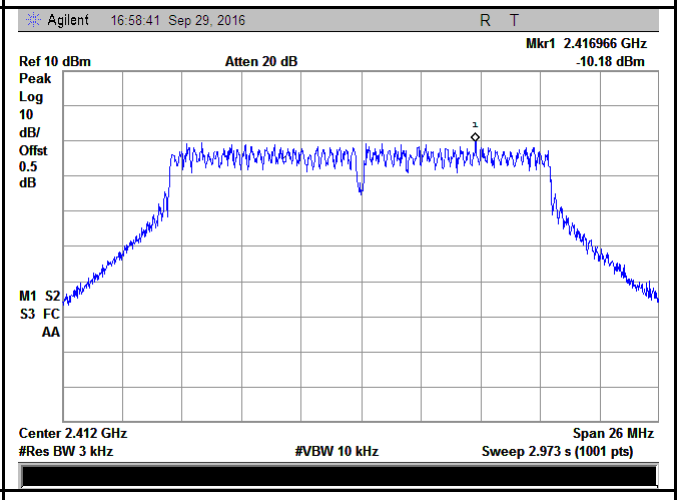

PSD - Low CH 2412 - 802.11b



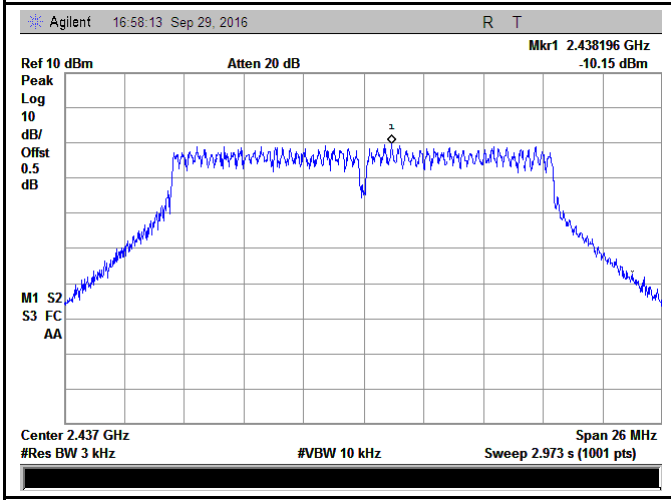

PSD - Mid CH 2437 – 802.11b



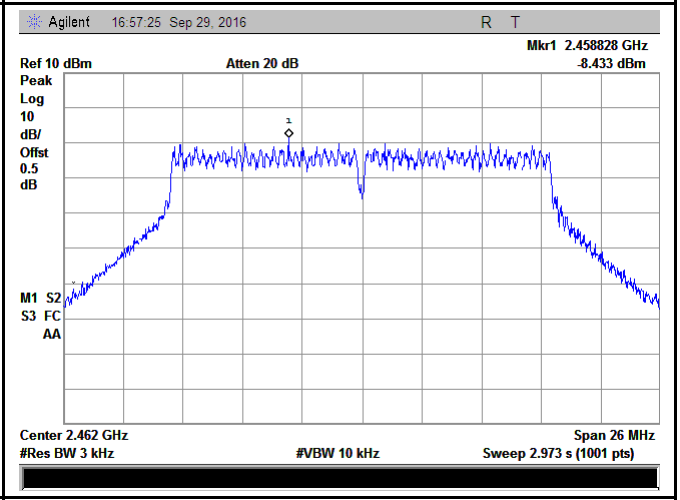

PSD - High CH 2462 - 802.11b



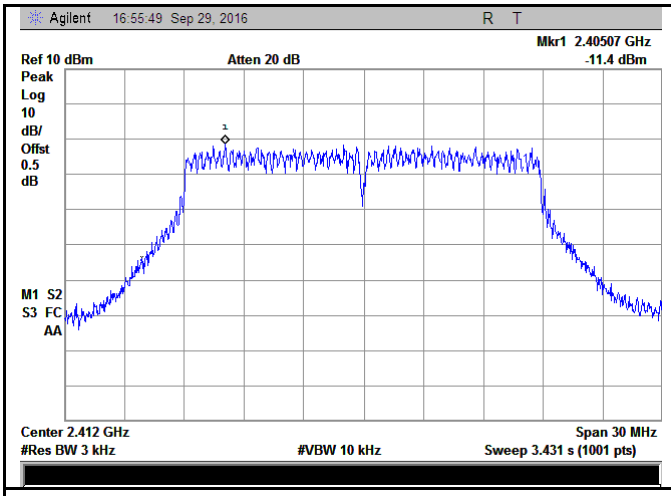

PSD - Low CH 2412 -802.11g



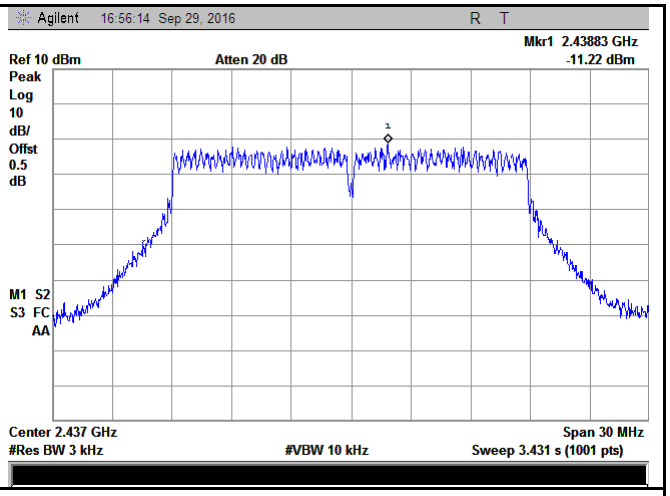

PSD - Mid CH 2437 – 802.11g



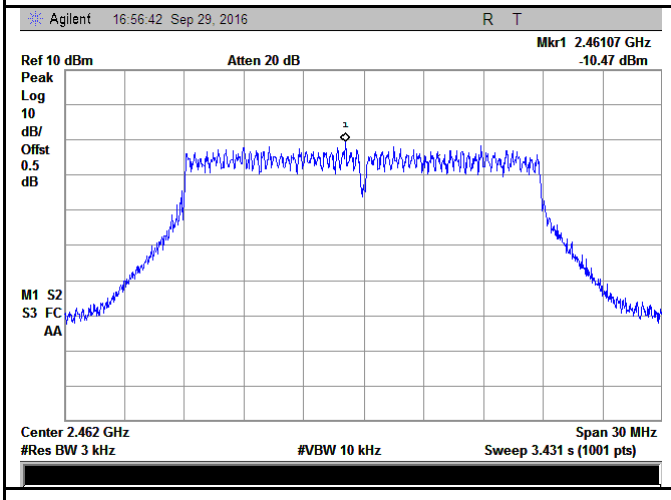

PSD - High CH 2462 - 802.11g



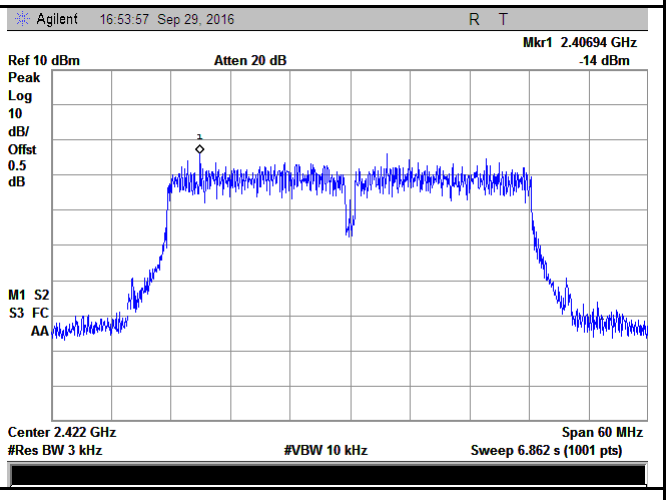

PSD - Low CH 2412 - 802.11n20



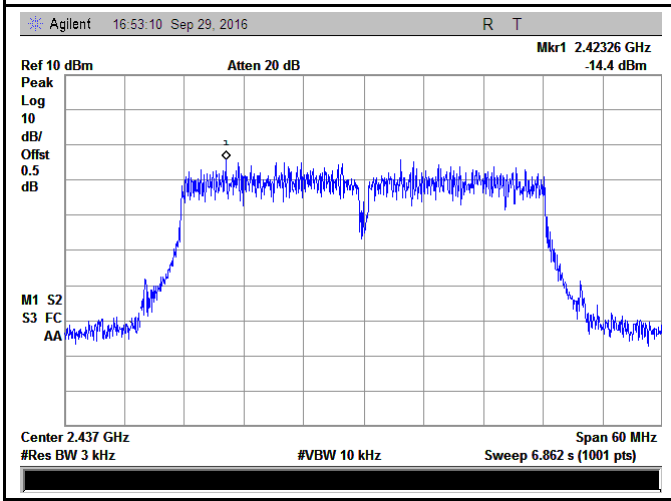

PSD - Mid CH 2437 – 802.11n20



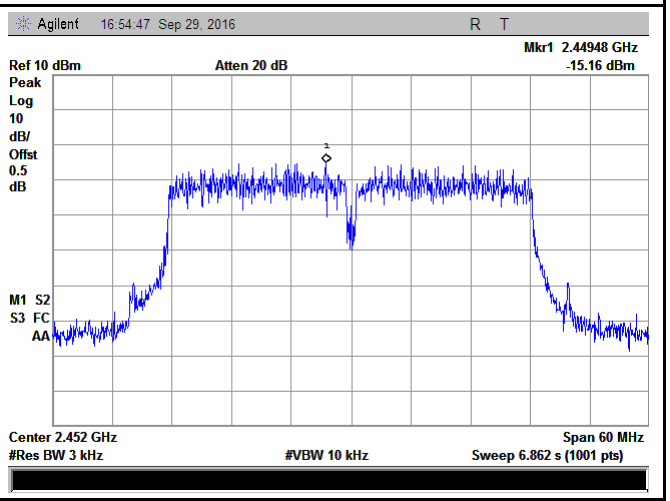

PSD - High CH 2462 - 802.11n20




PSD - Low CH 2422 - 802.11n40




PSD - Mid CH 2437 – 802.11n40

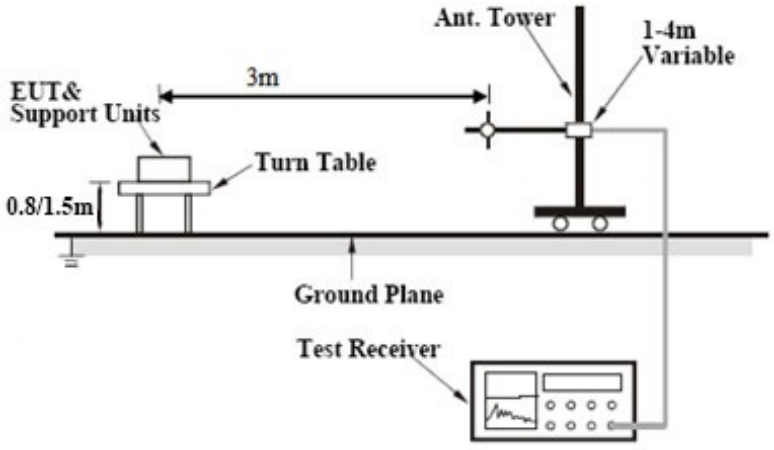



PSD - High CH 2452 - 802.11n40

## 6.5 Band-Edge & Unwanted Emissions into Restricted Frequency Bands

| | |
| --- | --- |
| Temperature | 22℃ |
| Relative Humidity | 53% |
| Atmospheric Pressure | 1029mbar |
| Test date : | September 29, 2016 |
| Tested By : | Loren Luo |

**Requirement(s):**

| Spec | Item | Requirement | Applicable |
| --- | --- | --- | --- |
| §15.247(d) | a) | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. | ☑ |
| Test Setup |  | | |
| Test Procedure | Radiated Method Only<br>- 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.<br>- 2. Position the EUT without connection to measurement instrument. Put it on the Rotated table and turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range. | | |

| | |
|---|---|
| | - 3. First, set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100kHz bandwidth from band edge, check the emission of EUT, if pass then set Spectrum Analyzer as below:<br>a. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz.<br>b. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz with Peak detection for Peak measurement at frequency above 1GHz.<br>c. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz with Peak detection for Average Measurement as below at frequency above 1GHz.<br>- 4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.<br>- 5. Repeat above procedures until all measured frequencies were complete. |
| Remark | |
| Result | ☑ Pass ☐ Fail |

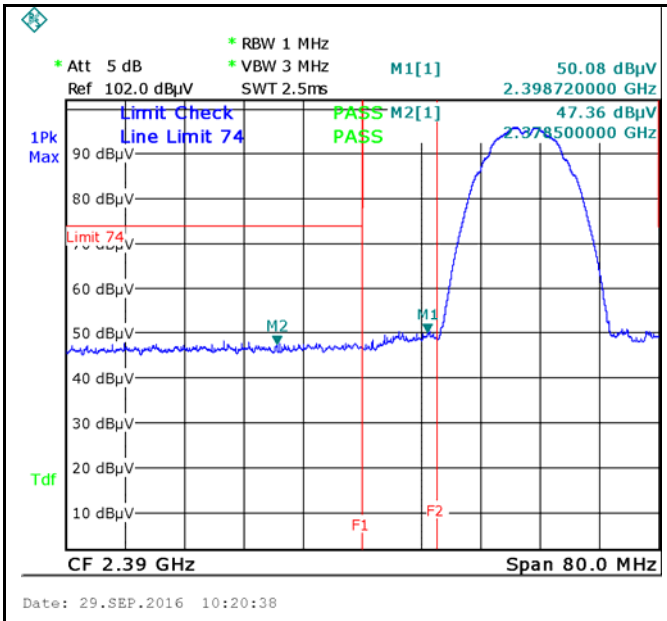
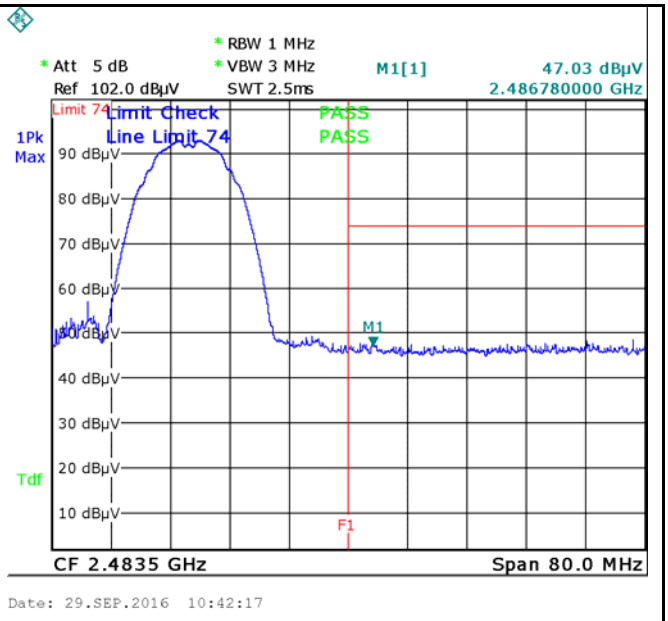
**Test Data** ☑ Yes ☐ N/A

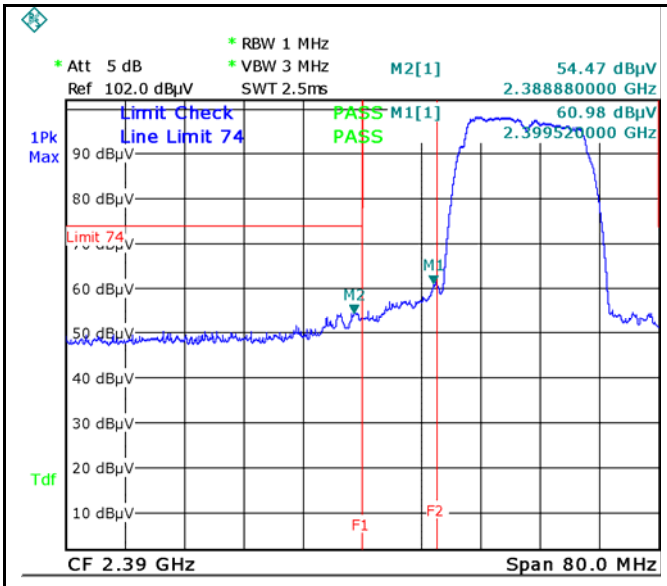
**Test Plot** ☑ Yes (See below) ☐ N/A

## Radiated method:

### Test Plots

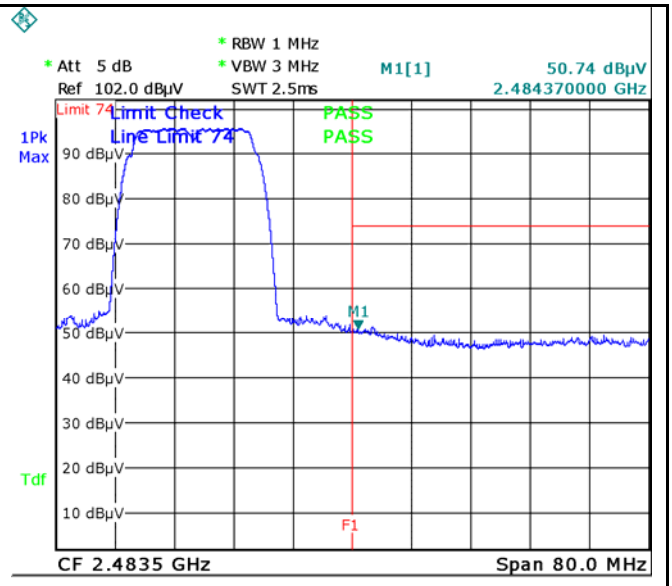
### Band Edge measurement result

<table>
<tr>
<td> 
</td>
<td> 
</td>
</tr>
<tr>
<td>Band Edge, Left Side (Peak) - 802.11b<br>Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz</td>
<td>Band Edge, Right Side (Peak) - 802.11b<br>Note: F1 is frequency 2483.5MHz</td>
</tr>
<tr>
<td>Note: (no need if PK value less than the AV limit)</td>
<td>Note: (no need if PK value less than the AV limit)</td>
</tr>
<tr>
<td>Band Edge, Left Side (Average) - 802.11b</td>
<td>Band Edge, Right Side (Average) - 802.11b</td>
</tr>
</table>



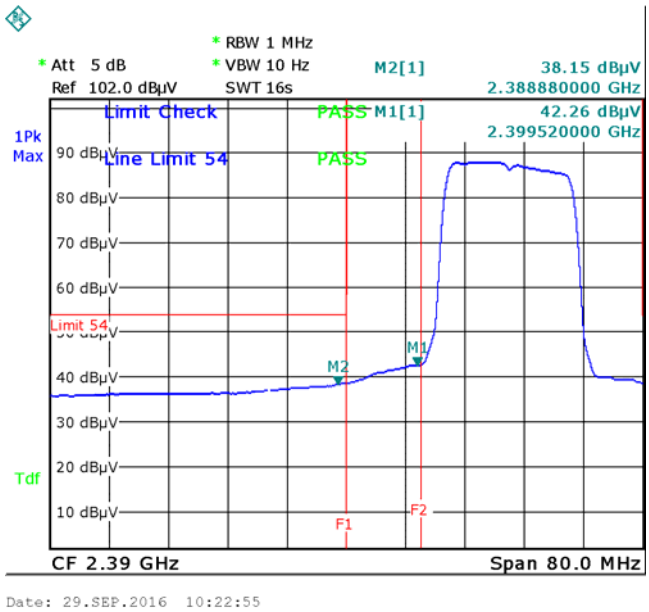

Band Edge, Left Side (Peak) - 802.11g

**Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz**




Band Edge, Right Side (Peak) - 802.11g

**Note: F1 is frequency 2483.5MHz**



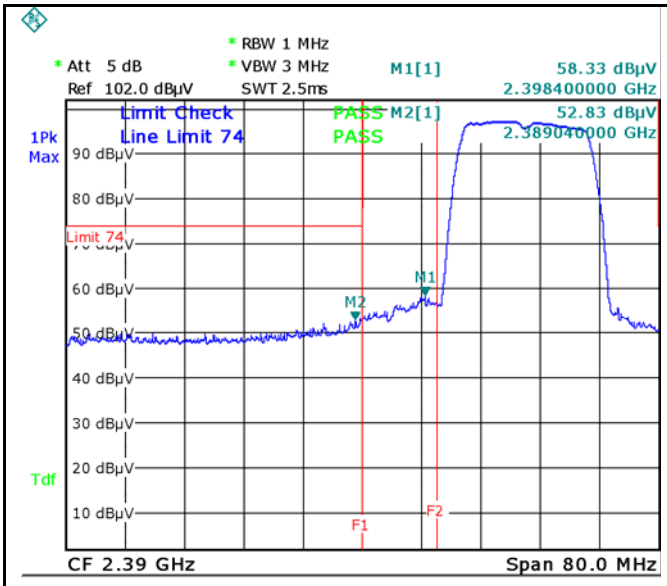

Band Edge, Left Side (Average) - 802.11g

**Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz**

Note: (no need if PK value less than the AV limit)

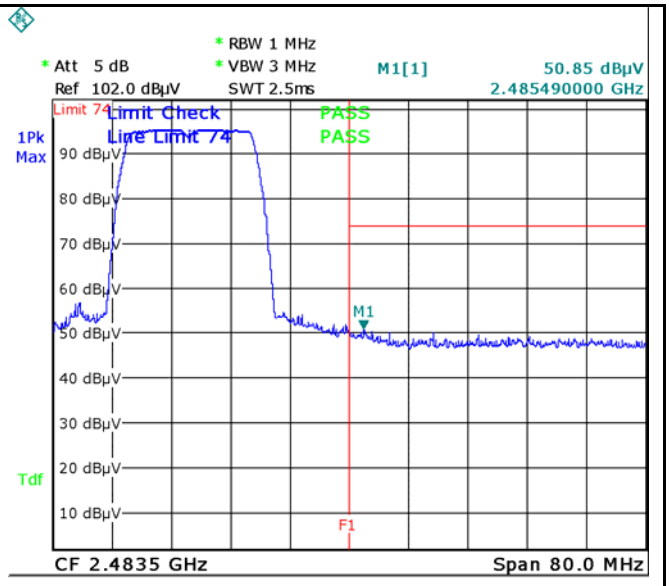
Band Edge, Right Side (Average) - 802.11g

**Note: F1 is frequency 2483.5MHz**



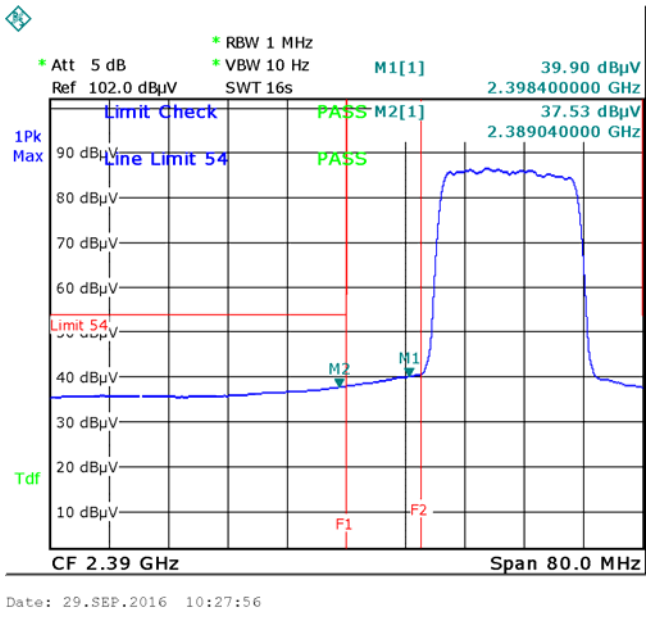

Band Edge, Left Side (Peak) - 802.11n20

**Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz**




Band Edge, Right Side (Peak) - 802.11n20

**Note: F1 is frequency 2483.5MHz**



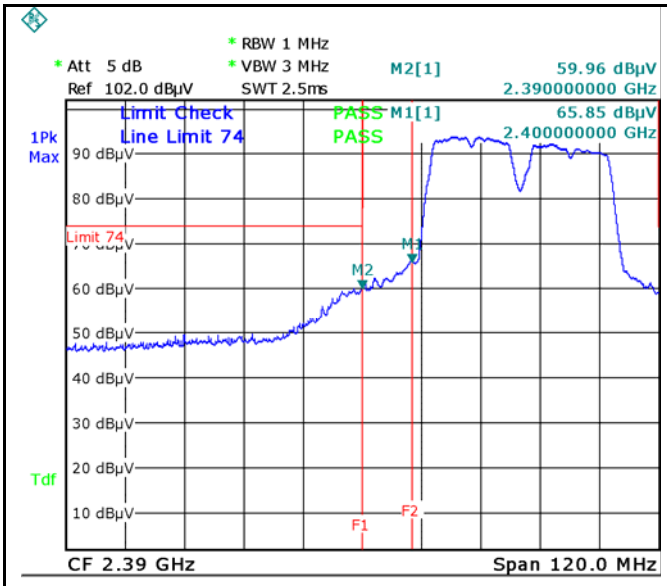

Band Edge, Left Side (Average) - 802.11n20

**Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz**

Note: (no need if PK value less than the AV limit)

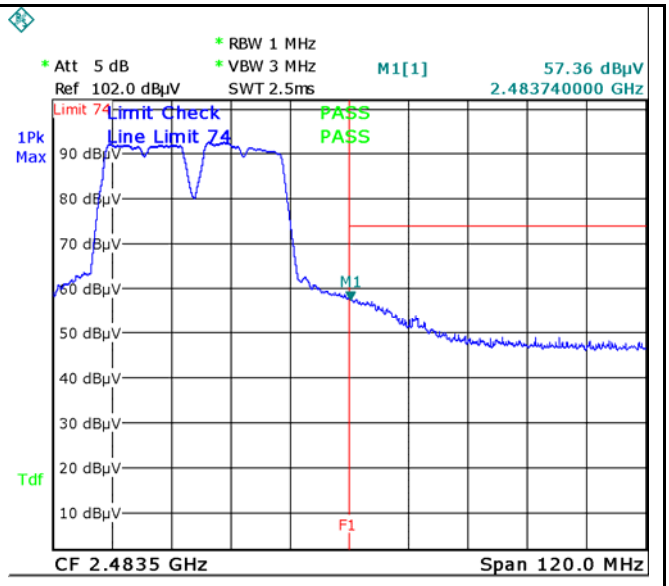
Band Edge, Right Side (Average) - 802.11n20

**Note: F1 is frequency 2483.5MHz**



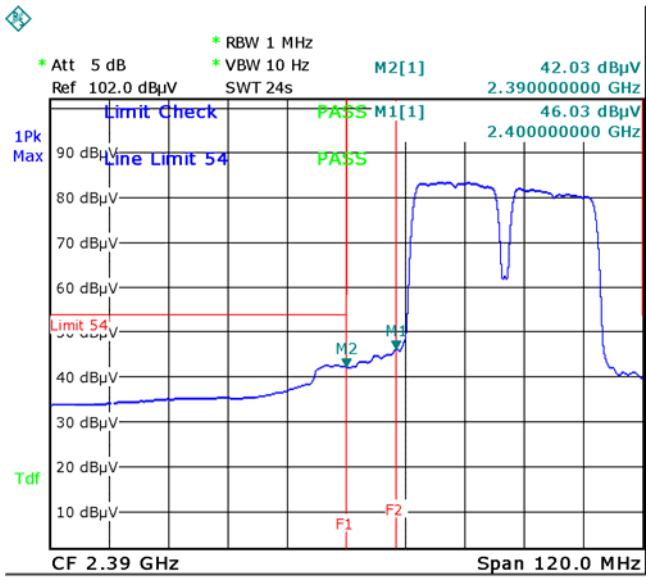

Band Edge, Left Side (Peak) - 802.11n40

**Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz**



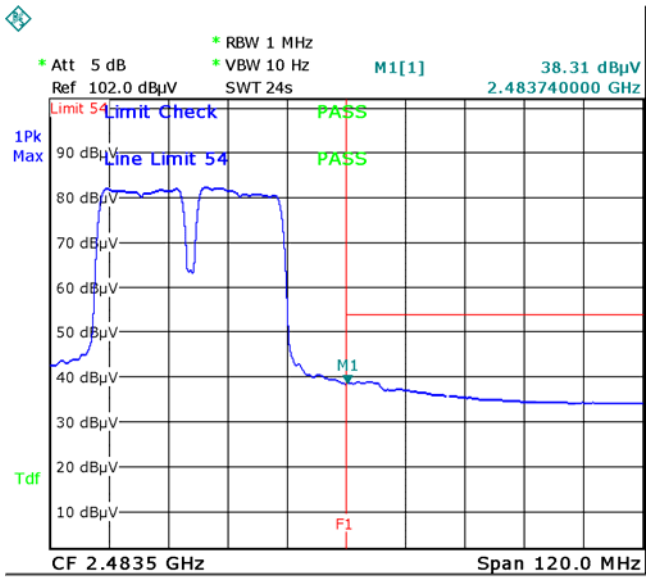

Band Edge, Right Side (Peak) - 802.11n40

**Note: F1 is frequency 2483.5MHz**




Band Edge, Left Side (Average) - 802.11n40

**Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz**



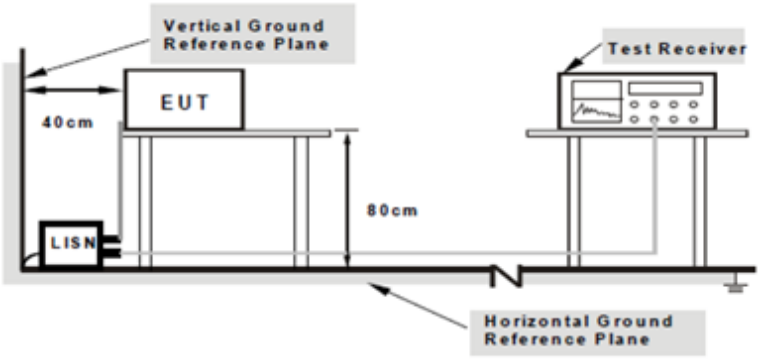

Band Edge, Right Side (Average) - 802.11n40

**Note: F1 is frequency 2483.5MHz**

## 6.6 AC Power Line Conducted Emissions

| | |
|---|---|
| Temperature | 24℃ |
| Relative Humidity | 56% |
| Atmospheric Pressure | 1023mbar |
| Test date : | September 23, 2016 |
| Tested By : | Loren Luo |

**Requirement(s):**

<table>
<tr><th>Spec</th><th>Item</th><th>Requirement</th><th>Applicable</th></tr>
<tr><td>47CFR§15.207, RSS210 (A8.1)</td><td>a)</td><td>For Low-power radio-frequency devices that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 [mu] H/50 ohms line impedance stabilization network (LISN). The lower limit applies at the boundary between the frequencies ranges.
<table>
<tr><th rowspan="2">Frequency ranges (MHz)</th><th colspan="2">Limit (dBμV)</th></tr>
<tr><th>QP</th><th>Average</th></tr>
<tr><td>0.15 ~ 0.5</td><td>66 – 56</td><td>56 – 46</td></tr>
<tr><td>0.5 ~ 5</td><td>56</td><td>46</td></tr>
<tr><td>5 ~ 30</td><td>60</td><td>50</td></tr>
</table></td><td>☑</td></tr>
<tr><td>Test Setup</td><td colspan="3"> 

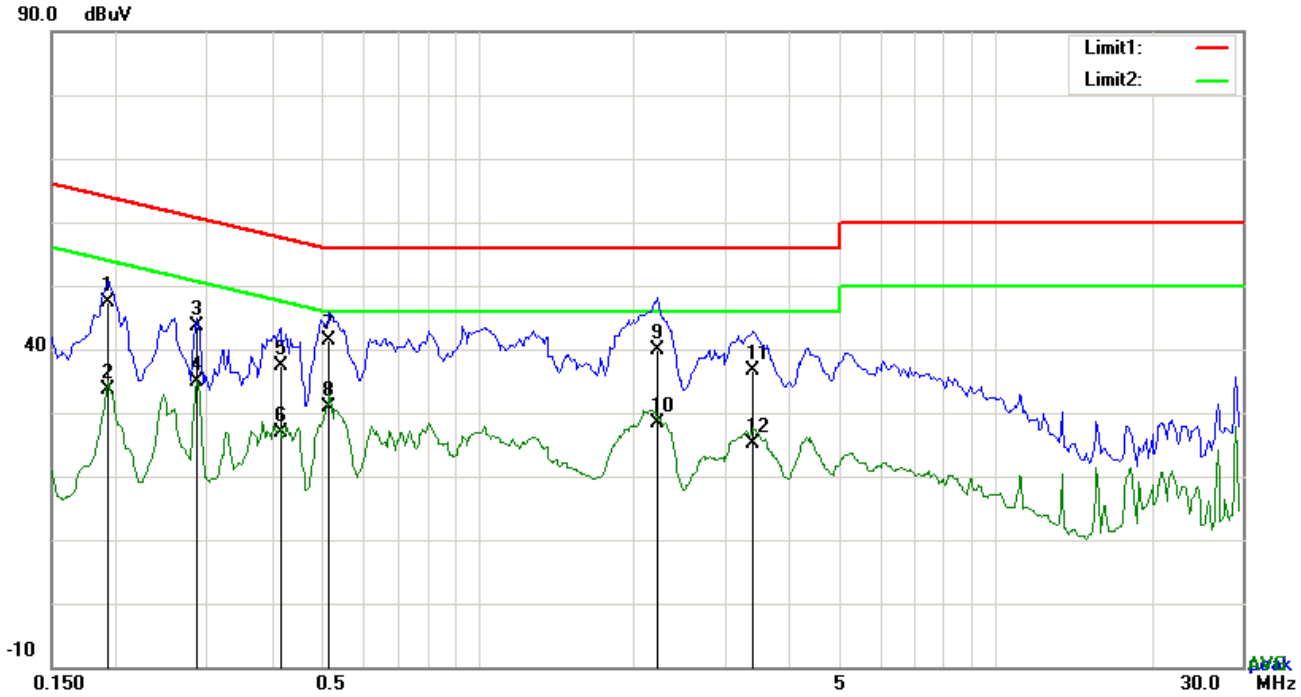
Note: 1.Support units were connected to second LISN.<br>2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.</td></tr>
<tr><td>Procedure</td><td colspan="3">1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table.<br>2. The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains.<br>3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable.<br>4. All other supporting equipment were powered separately from another main supply.</td></tr>
</table>

| | |
|---|---|
| | 5. The EUT was switched on and allowed to warm up to its normal operating condition.<br>6. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) over the required frequency range using an EMI test receiver.<br>7. High peaks, relative to the limit line, The EMI test receiver was then tuned to the selected frequencies and the necessary measurements made with a receiver bandwidth setting of 10 kHz.<br>8. Step 7 was then repeated for the LIVE line (for AC mains) or DC line (for DC power). |
| Remark | |
| Result | ☑ Pass ☐ Fail |

**Test Data** ☑ Yes ☐ N/A

**Test Plot** ☑ Yes (See below) ☐ N/A

| Test Mode: | Transmitting Mode |
|---|---|

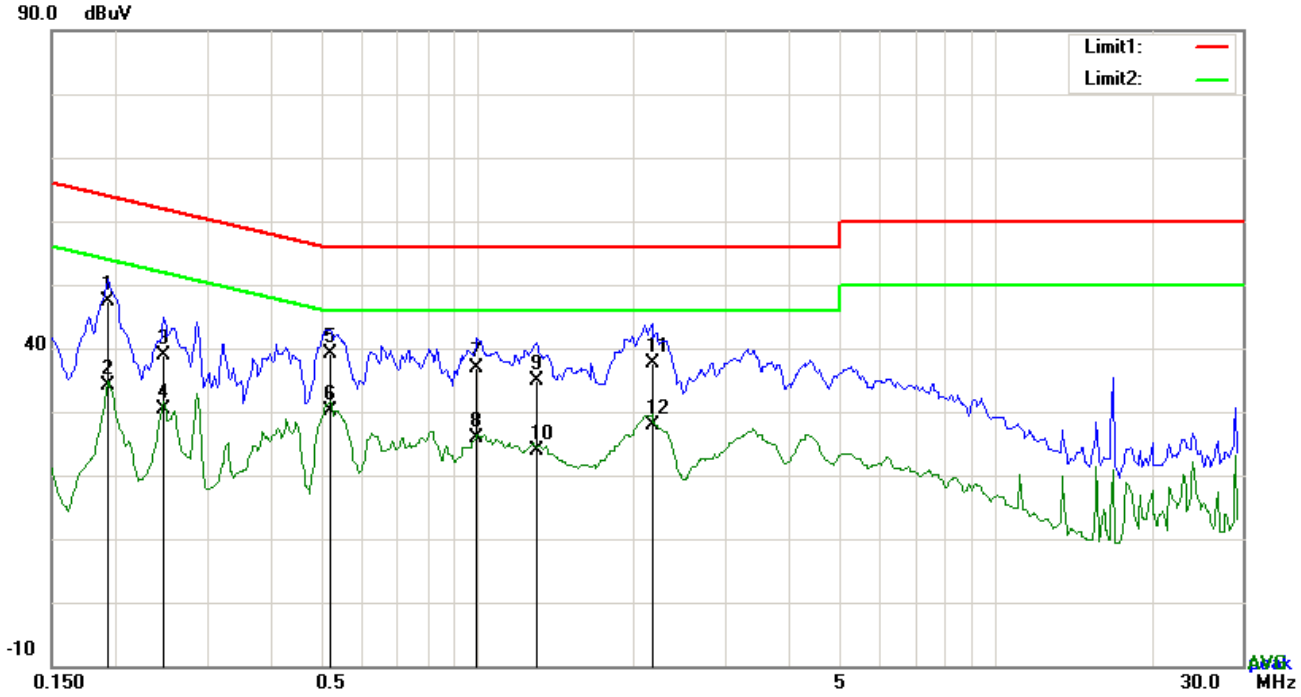



*Test Data*

Phase Line Plot at 120Vac, 60Hz

| No. | P/L | Frequency (MHz) | Reading (dBµV) | Detector | Corrected (dB) | Result (dBµV) | Limit (dBµV) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|
| 1 | L1 | 0.1929 | 37.25 | QP | 10.03 | 47.28 | 63.91 | -16.63 |
| 2 | L1 | 0.1929 | 23.70 | AVG | 10.03 | 33.73 | 53.91 | -20.18 |
| 3 | L1 | 0.2865 | 33.51 | QP | 10.03 | 43.54 | 60.63 | -17.09 |
| 4 | L1 | 0.2865 | 24.78 | AVG | 10.03 | 34.81 | 50.63 | -15.82 |
| 5 | L1 | 0.4152 | 27.34 | QP | 10.03 | 37.37 | 57.54 | -20.17 |
| 6 | L1 | 0.4152 | 16.74 | AVG | 10.03 | 26.77 | 47.54 | -20.77 |
| 7 | L1 | 0.5166 | 31.29 | QP | 10.03 | 41.32 | 56.00 | -14.68 |
| 8 | L1 | 0.5166 | 20.96 | AVG | 10.03 | 30.99 | 46.00 | -15.01 |
| 9 | L1 | 2.2248 | 29.72 | QP | 10.05 | 39.77 | 56.00 | -16.23 |
| 10 | L1 | 2.2248 | 18.44 | AVG | 10.05 | 28.49 | 46.00 | -17.51 |
| 11 | L1 | 3.4017 | 26.49 | QP | 10.06 | 36.55 | 56.00 | -19.45 |
| 12 | L1 | 3.4017 | 15.16 | AVG | 10.06 | 25.22 | 46.00 | -20.78 |

| Test Mode: | Transmitting Mode |
|---|---|

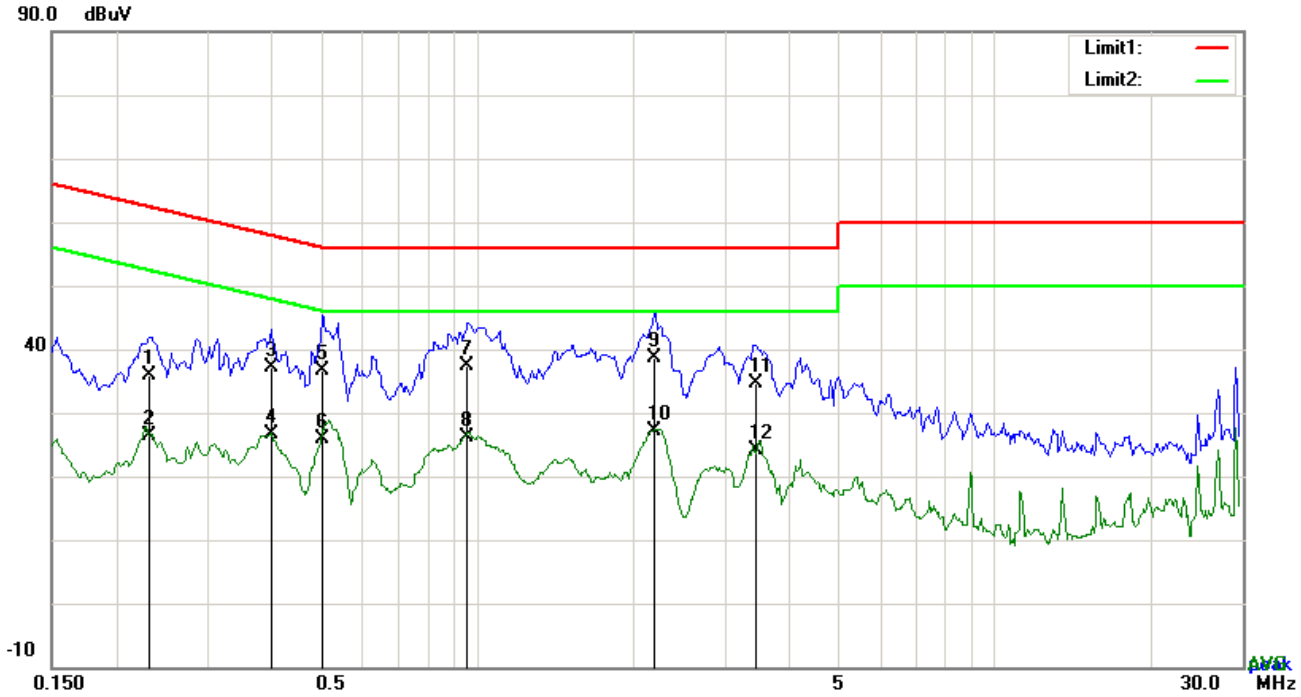



*Test Data*

Phase Neutral Plot at 120Vac, 60Hz

| No. | P/L | Frequency (MHz) | Reading (dBµV) | Detector | Corrected (dB) | Result (dBµV) | Limit (dBµV) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|
| 1 | N | 0.1929 | 37.42 | QP | 10.02 | 47.44 | 63.91 | -16.47 |
| 2 | N | 0.1929 | 24.01 | AVG | 10.02 | 34.03 | 53.91 | -19.88 |
| 3 | N | 0.2475 | 28.84 | QP | 10.02 | 38.86 | 61.84 | -22.98 |
| 4 | N | 0.2475 | 20.45 | AVG | 10.02 | 30.47 | 51.84 | -21.37 |
| 5 | N | 0.5205 | 29.14 | QP | 10.02 | 39.16 | 56.00 | -16.84 |
| 6 | N | 0.5205 | 20.16 | AVG | 10.02 | 30.18 | 46.00 | -15.82 |
| 7 | N | 0.9963 | 26.86 | QP | 10.03 | 36.89 | 56.00 | -19.11 |
| 8 | N | 0.9963 | 15.74 | AVG | 10.03 | 25.77 | 46.00 | -20.23 |
| 9 | N | 1.2966 | 24.87 | QP | 10.03 | 34.90 | 56.00 | -21.10 |
| 10 | N | 1.2966 | 13.80 | AVG | 10.03 | 23.83 | 46.00 | -22.17 |
| 11 | N | 2.1702 | 27.64 | QP | 10.04 | 37.68 | 56.00 | -18.32 |
| 12 | N | 2.1702 | 17.74 | AVG | 10.04 | 27.78 | 46.00 | -18.22 |

| Test Mode: | Transmitting Mode |
|---|---|

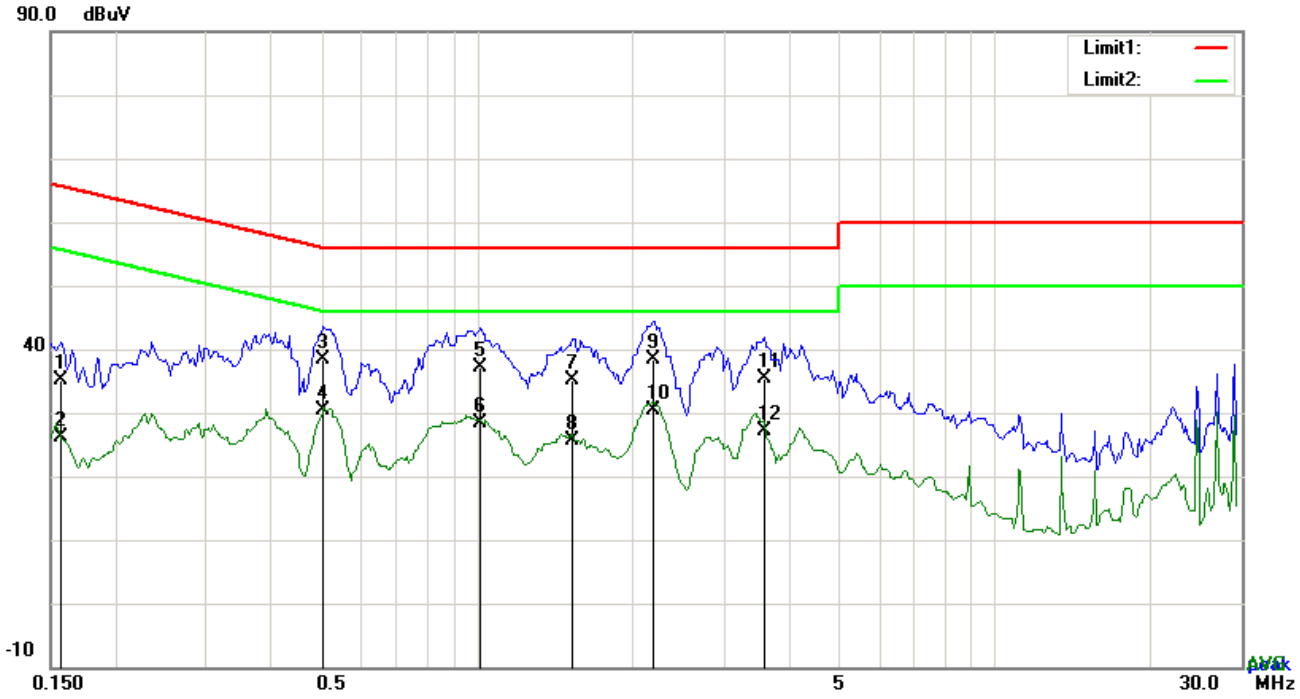



*Test Data*

Phase Line Plot at 240Vac, 60Hz

| No. | P/L | Frequency (MHz) | Reading (dBµV) | Detector | Corrected (dB) | Result (dBµV) | Limit (dBµV) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|
| 1 | L1 | 0.2319 | 25.76 | QP | 10.03 | 35.79 | 62.38 | -26.59 |
| 2 | L1 | 0.2319 | 16.27 | AVG | 10.03 | 26.30 | 52.38 | -26.08 |
| 3 | L1 | 0.3996 | 27.13 | QP | 10.03 | 37.16 | 57.86 | -20.70 |
| 4 | L1 | 0.3996 | 16.64 | AVG | 10.03 | 26.67 | 47.86 | -21.19 |
| 5 | L1 | 0.5010 | 26.70 | QP | 10.03 | 36.73 | 56.00 | -19.27 |
| 6 | L1 | 0.5010 | 15.91 | AVG | 10.03 | 25.94 | 46.00 | -20.06 |
| 7 | L1 | 0.9534 | 27.23 | QP | 10.03 | 37.26 | 56.00 | -18.74 |
| 8 | L1 | 0.9534 | 16.03 | AVG | 10.03 | 26.06 | 46.00 | -19.94 |
| 9 | L1 | 2.2014 | 28.55 | QP | 10.05 | 38.60 | 56.00 | -17.40 |
| 10 | L1 | 2.2014 | 17.14 | AVG | 10.05 | 27.19 | 46.00 | -18.81 |
| 11 | L1 | 3.4368 | 24.64 | QP | 10.06 | 34.70 | 56.00 | -21.30 |
| 12 | L1 | 3.4368 | 14.15 | AVG | 10.06 | 24.21 | 46.00 | -21.79 |

| Test Mode: | Transmitting Mode |
|---|---|




*Test Data*

Phase Neutral Plot at 240Vac, 60Hz

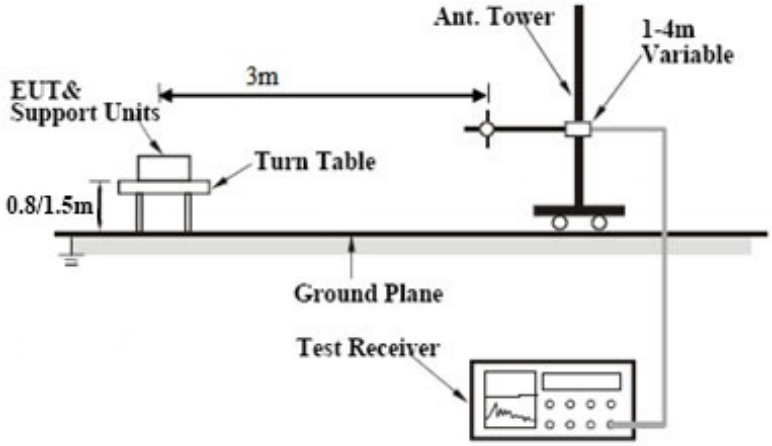
| No. | P/L | Frequency (MHz) | Reading (dBµV) | Detector | Corrected (dB) | Result (dBµV) | Limit (dBµV) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|
| 1 | N | 0.1578 | 25.22 | QP | 10.02 | 35.24 | 65.58 | -30.34 |
| 2 | N | 0.1578 | 16.07 | AVG | 10.02 | 26.09 | 55.58 | -29.49 |
| 3 | N | 0.5049 | 28.39 | QP | 10.02 | 38.41 | 56.00 | -17.59 |
| 4 | N | 0.5049 | 20.30 | AVG | 10.02 | 30.32 | 46.00 | -15.68 |
| 5 | N | 1.0158 | 27.09 | QP | 10.03 | 37.12 | 56.00 | -18.88 |
| 6 | N | 1.0158 | 18.30 | AVG | 10.03 | 28.33 | 46.00 | -17.67 |
| 7 | N | 1.5306 | 25.14 | QP | 10.04 | 35.18 | 56.00 | -20.82 |
| 8 | N | 1.5306 | 15.56 | AVG | 10.04 | 25.60 | 46.00 | -20.40 |
| 9 | N | 2.2014 | 28.26 | QP | 10.04 | 38.30 | 56.00 | -17.70 |
| 10 | N | 2.2014 | 20.46 | AVG | 10.04 | 30.50 | 46.00 | -15.50 |
| 11 | N | 3.5967 | 25.25 | QP | 10.06 | 35.31 | 56.00 | -20.69 |
| 12 | N | 3.5967 | 16.97 | AVG | 10.06 | 27.03 | 46.00 | -18.97 |

## 6.7 Radiated Spurious Emissions & Restricted Band

| | |
|---|---|
| Temperature | 22℃ |
| Relative Humidity | 55% |
| Atmospheric Pressure | 1013mbar |
| Test date : | October 13, 2016 |
| Tested By : | Loren Luo |

**Requirement(s):**

<table>
<tr><th>Spec</th><th>Item</th><th>Requirement</th><th>Applicable</th></tr>
<tr><td rowspan="3">47CFR§15.247(d), RSS210 (A8.5)</td><td>a)</td><td>Except higher limit as specified elsewhere in other section, the emissions from the low-power radio-frequency devices shall not exceed the field strength levels specified in the following table and the level of any unwanted emissions shall not exceed the level of the fundamental emission. The tighter limit applies at the band edges
<table>
<tr><th>Frequency range (MHz)</th><th>Field Strength (μV/m)</th></tr>
<tr><td>30 – 88</td><td>100</td></tr>
<tr><td>88 – 216</td><td>150</td></tr>
<tr><td>216 960</td><td>200</td></tr>
<tr><td>Above 960</td><td>500</td></tr>
</table></td><td>☑</td></tr>
<tr><td>b)</td><td>For non-restricted band, In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB or 30dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, determined by the measurement method on output power to be used. Attenuation below the general limits specified in § 15.209(a) is not required<br>☒ 20 dB down ☐ 30 dB down</td><td>☑</td></tr>
<tr><td>c)</td><td>or restricted band, emission must also comply with the radiated emission limits specified in 15.209</td><td>☑</td></tr>
</table>

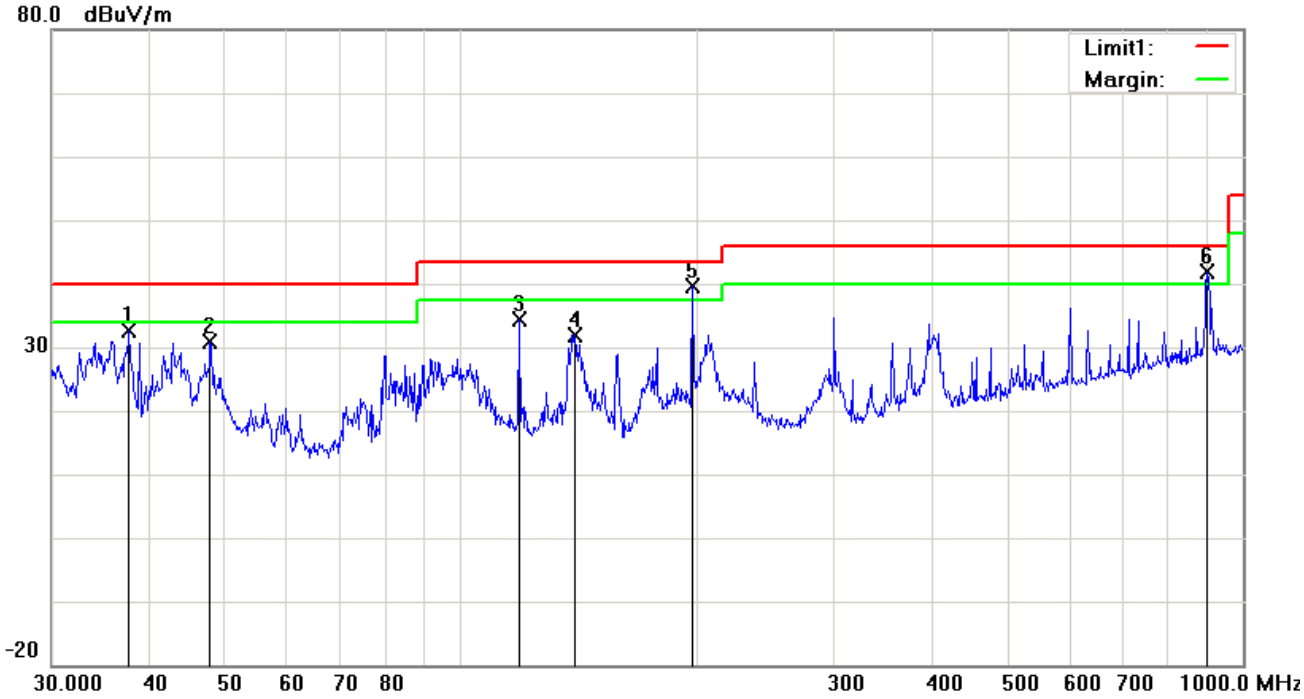
| | |
|---|---|
| Test Setup |  |
| Procedure | 1. The EUT was switched on and allowed to warm up to its normal operating condition.<br>2. The test was carried out at the selected frequency points obtained from the EUT characterization. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner:<br>a. Vertical or horizontal polarization (whichever gave the higher emission level over a full rotation of the EUT) was chosen.<br>b. The EUT was then rotated to the direction that gave the maximum emission.<br>c. Finally, the antenna height was adjusted to the height that gave the maximum emission.<br>3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz.<br>4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz with Peak detection for Peak measurement at frequency above 1GHz.<br>The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz with Peak detection for Average Measurement as below at frequency above 1GHz.<br>5. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured. |
| Remark | Different RF configuration has been evaluated but not much difference was found. The data presented here is the worst case data with EUT under 802.11n – HT20-2442MHz mode. |
| Result | ☑ Pass ☐ Fail |

**Test Data** ☑ Yes ☐ N/A

**Test Plot** ☑ Yes (See below) ☐ N/A

| Test Mode: | Transmitting Mode |
|---|---|

(Below 1GHz)

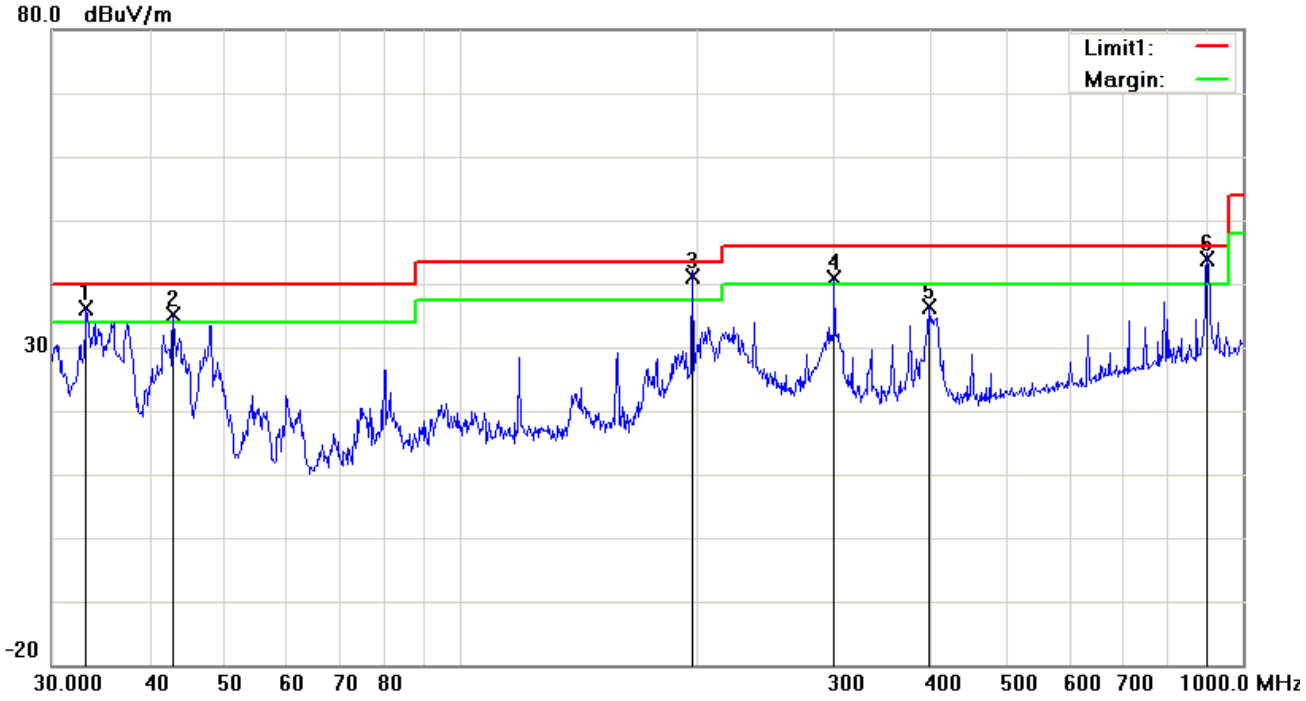



*Test Data*

Vertical Polarity Plot @3m

| No | P/L | Frequency (MHz) | Reading (dBµV) | Detector | Corrected (dB) | Result (dBµV) | Limit (dBµV) | Margin (dB) | Height | Degree |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | V | 37.6798 | 38.55 | peak | -5.90 | 32.65 | 40.00 | -7.35 | 100 | 261 |
| 2 | V | 47.8260 | 43.13 | peak | -12.20 | 30.93 | 40.00 | -9.07 | 100 | 68 |
| 3 | V | 118.6014 | 41.81 | peak | -7.54 | 34.27 | 43.50 | -9.23 | 100 | 139 |
| 4 | V | 139.8508 | 40.50 | peak | -8.53 | 31.97 | 43.50 | -11.53 | 100 | 94 |
| 5 | V | 197.8928 | 48.59 | QP | -8.85 | 39.74 | 43.50 | -3.76 | 100 | 54 |
| 6 | V | 900.1474 | 37.24 | QP | 4.69 | 41.93 | 46.00 | -4.07 | 100 | 103 |

(Below 1GHz)




*Test Data*

Horizontal Polarity Plot @3m

| No | P/L | Frequency (MHz) | Reading (dBμV) | Detector | Corrected (dB) | Result (dBμV) | Limit (dBμV) | Margin (dB) | Height | Degree |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | H | 33.2112 | 38.76 | QP | -2.62 | 36.14 | 40.00 | -3.86 | 100 | 94 |
| 2 | H | 42.8998 | 44.55 | QP | -9.53 | 35.02 | 40.00 | -4.98 | 100 | 56 |
| 3 | H | 197.8928 | 49.93 | QP | -8.85 | 41.08 | 43.50 | -2.42 | 100 | 239 |
| 4 | H | 300.3673 | 47.79 | QP | -6.89 | 40.90 | 46.00 | -5.10 | 100 | 112 |
| 5 | H | 396.2415 | 40.70 | peak | -4.39 | 36.31 | 46.00 | -9.69 | 100 | 23 |
| 6 | H | 900.1474 | 39.21 | QP | 4.69 | 43.90 | 46.00 | -2.10 | 100 | 158 |

## Above 1GHz

| Test Mode: | Transmitting Mode |
|---|---|

Low Channel (2412 MHz)(g mode worst case)

| Frequency (MHz) | S.A. Reading (dBμV) | Detector (PK/AV) | Polarity (H/V) | Ant. Factor (dB/m) | Cable Loss (dB) | Pre-Amp. Gain (dB) | Cord Amp. (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 4824 | 38.76 | AV | V | 33.8 | 6.86 | 32.69 | 46.73 | 54 | -7.27 |
| 4824 | 38.47 | AV | H | 33.8 | 6.86 | 32.69 | 46.44 | 54 | -7.56 |
| 4824 | 47.28 | PK | V | 33.8 | 6.86 | 32.69 | 55.25 | 74 | -18.75 |
| 4824 | 47.64 | PK | H | 33.8 | 6.86 | 32.69 | 55.61 | 74 | -18.39 |
| 17897 | 23.66 | AV | V | 45.12 | 11.57 | 32.11 | 48.24 | 54 | -5.76 |
| 17897 | 23.34 | AV | H | 45.12 | 11.57 | 32.11 | 47.92 | 54 | -6.08 |
| 17897 | 40.56 | PK | V | 45.12 | 11.57 | 32.11 | 65.14 | 74 | -8.86 |
| 17897 | 40.11 | PK | H | 45.12 | 11.57 | 32.11 | 64.69 | 74 | -9.31 |

Middle Channel (2437 MHz) (n20 mode worst case)

| Frequency (MHz) | S.A. Reading (dBμV) | Detector (PK/AV) | Polarity (H/V) | Ant. Factor (dB/m) | Cable Loss (dB) | Pre-Amp. Gain (dB) | Cord Amp. (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 4874 | 39.06 | AV | V | 33.6 | 6.82 | 32.71 | 46.77 | 54 | -7.23 |
| 4874 | 38.81 | AV | H | 33.6 | 6.82 | 32.71 | 46.52 | 54 | -7.48 |
| 4874 | 47.35 | PK | V | 33.6 | 6.82 | 32.71 | 55.06 | 74 | -18.94 |
| 4874 | 48.17 | PK | H | 33.6 | 6.82 | 32.71 | 55.88 | 74 | -18.12 |
| 17924 | 23.59 | AV | V | 45.17 | 11.63 | 32.18 | 48.21 | 54 | -5.79 |
| 17924 | 23.28 | AV | H | 45.17 | 11.63 | 32.18 | 47.9 | 54 | -6.1 |
| 17924 | 40.29 | PK | V | 45.17 | 11.63 | 32.18 | 64.91 | 74 | -9.09 |
| 17924 | 40.45 | PK | H | 45.17 | 11.63 | 32.18 | 65.07 | 74 | -8.93 |

High Channel (2462 MHz) (n20 mode worst case)

| Frequency (MHz) | S.A. Reading (dBμV) | Detector (PK/AV) | Polarity (H/V) | Ant. Factor (dB/m) | Cable Loss (dB) | Pre-Amp. Gain (dB) | Cord Amp. (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 4924 | 38.93 | AV | V | 33.83 | 6.95 | 32.79 | 46.92 | 54 | -7.08 |
| 4924 | 38.68 | AV | H | 33.83 | 6.95 | 32.79 | 46.67 | 54 | -7.33 |
| 4924 | 47.69 | PK | V | 33.83 | 6.95 | 32.79 | 55.68 | 74 | -18.32 |
| 4924 | 47.54 | PK | H | 33.83 | 6.95 | 32.79 | 55.53 | 74 | -18.47 |
| 17912 | 23.38 | AV | V | 45.19 | 11.61 | 32.24 | 47.94 | 54 | -6.06 |
| 17912 | 23.72 | AV | H | 45.19 | 11.61 | 32.24 | 48.28 | 54 | -5.72 |
| 17912 | 40.62 | PK | V | 45.19 | 11.61 | 32.24 | 65.18 | 74 | -8.82 |
| 17912 | 40.25 | PK | H | 45.19 | 11.61 | 32.24 | 64.81 | 74 | -9.19 |

**Note:**

*1, The testing has been conformed to 10*2472MHz=24,620MHz*
*2, All other emissions more than 30 dB below the limit*
*3, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.*

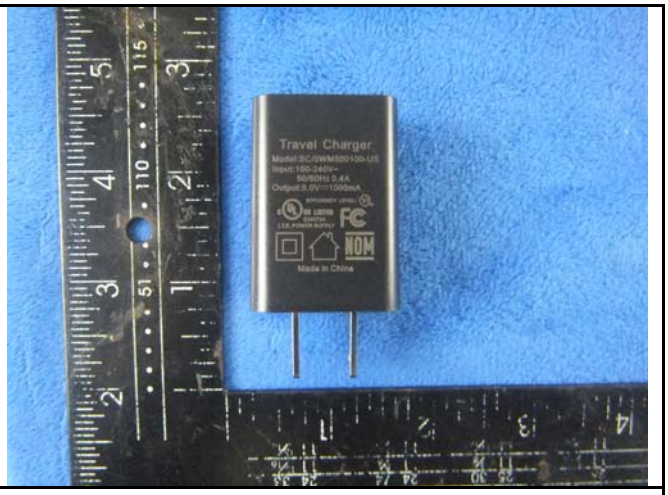
# Annex A. TEST INSTRUMENT

| Instrument | Model | Serial # | Cal Date | Cal Due | In use |
|---|---|---|---|---|---|
| **AC Line Conducted** | | | | | |
| EMI test receiver | ESCS30 | 8471241027 | 09/16/2016 | 09/15/2017 | ☑ |
| Line Impedance | LI-125A | 191106 | 09/25/2015 | 09/24/2016 | ☑ |
| Line Impedance | LI-125A | 191107 | 09/25/2015 | 09/24/2016 | ☑ |
| LISN | ISN T800 | 34373 | 09/25/2015 | 09/24/2016 | ☑ |
| Double Ridge Horn Antenna (1 ~18GHz) | AH-118 | 71283 | 09/23/2016 | 09/22/2017 | ☑ |
| Transient Limiter | LIT-153 | 531118 | 08/31/2016 | 08/30/2017 | ☑ |
| **RF conducted test** | | | | | |
| Agilent ESA-E SERIES | E4407B | MY45108319 | 09/16/2016 | 09/15/2017 | ☑ |
| Power Splitter | 1# | 1# | 08/31/2016 | 08/30/2017 | ☑ |
| DC Power Supply | E3640A | MY40004013 | 09/16/2016 | 09/15/2017 | ☑ |
| **Radiated Emissions** | | | | | |
| EMI test receiver | ESL6 | 100262 | 09/16/2016 | 09/15/2017 | ☑ |
| Positioning Controller | UC3000 | MF780208282 | 11/19/2015 | 11/18/2016 | ☑ |
| OPT 010 AMPLIFIER (0.1-1300MHz) | 8447E | 2727A02430 | 08/31/2016 | 08/30/2017 | ☑ |
| Microwave Preamplifier (1 ~ 26.5GHz) | 8449B | 3008A02402 | 03/24/2016 | 03/23/2017 | ☑ |
| Bilog Antenna (30MHz~6GHz) | JB6 | A110712 | 09/20/2016 | 09/19/2017 | ☑ |
| Double Ridge Horn Antenna (1 ~18GHz) | AH-118 | 71283 | 09/23/2016 | 09/22/2017 | ☑ |
| Universal Radio Communication Tester | CMU200 | 121393 | 09/24/2016 | 09/23/2017 | ☑ |

# Annex B. EUT and Test Setup Photographs

## Annex B.i. Photograph: EUT External Photo

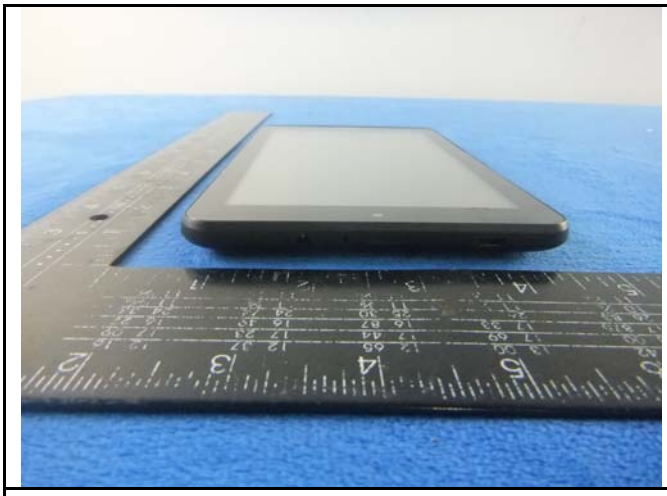
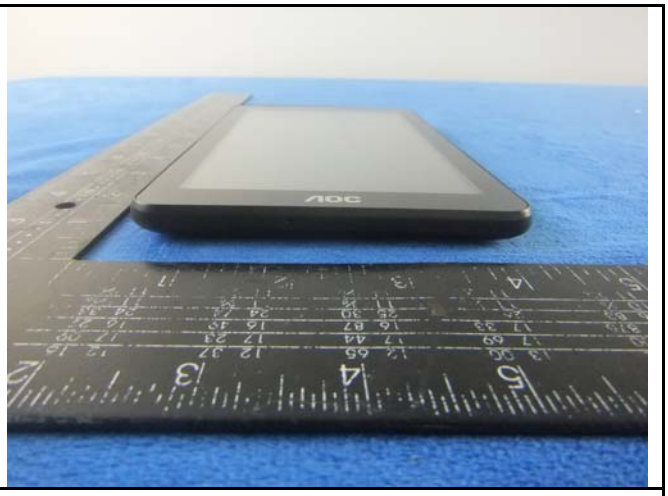
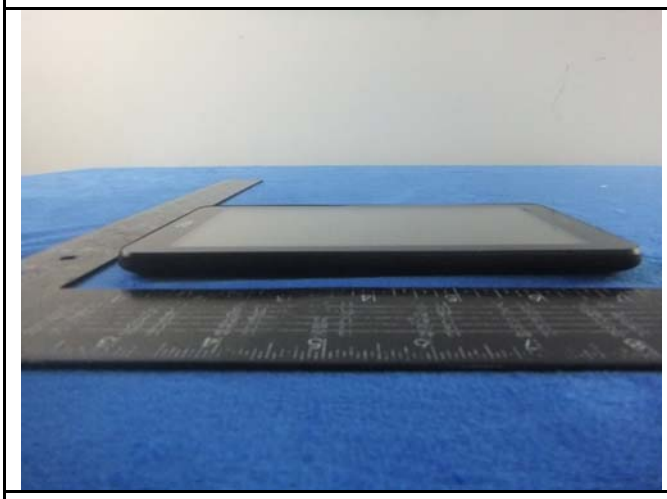
Whole Package View



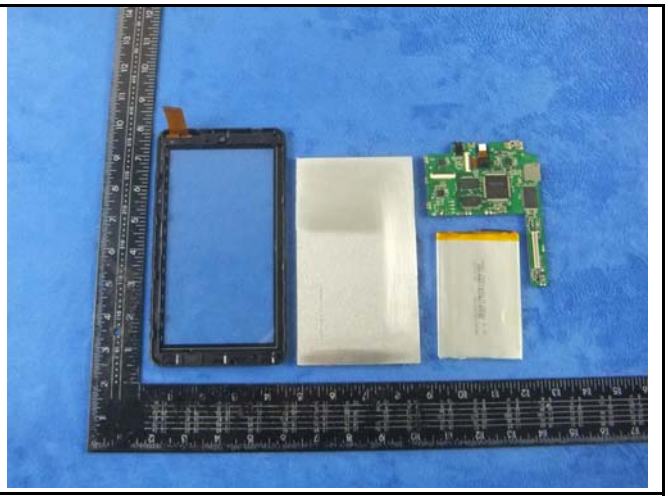
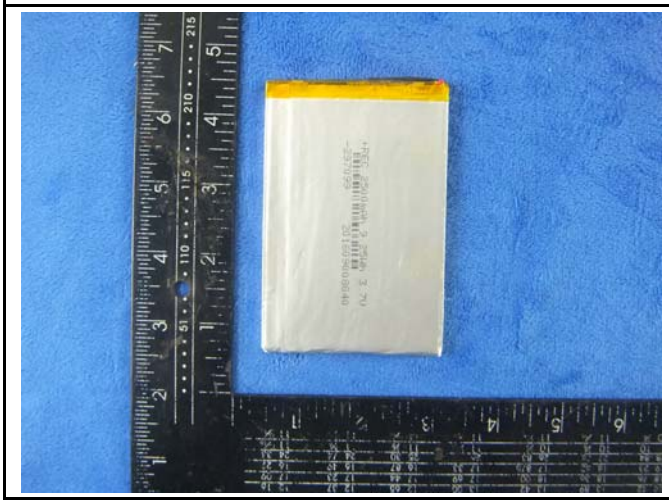
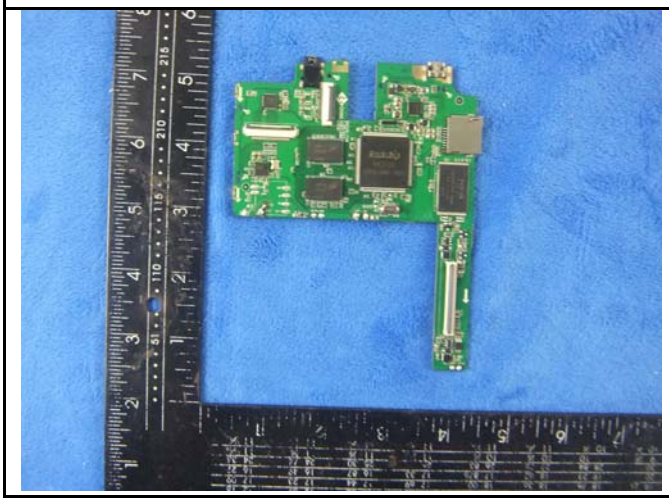
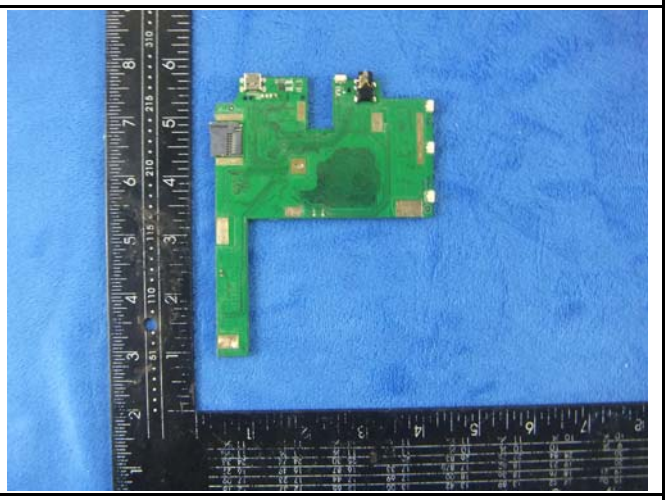

Adapter - Front View

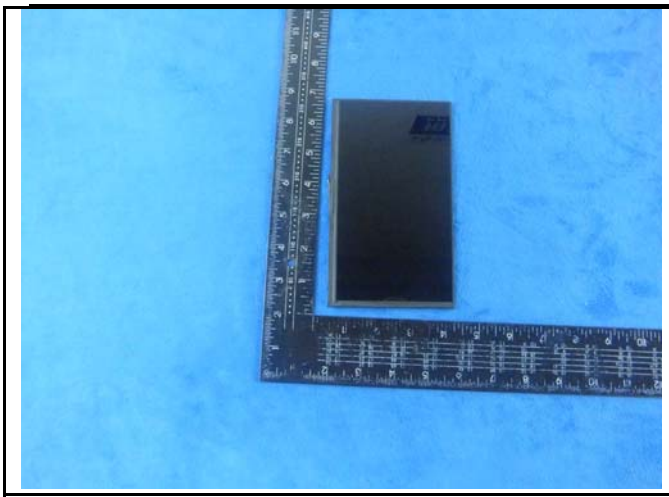
EUT - Front View


EUT - Rear View

| | |
|---|---|
|  |  |
| EUT - Top View | EUT - Bottom View |
|  |  |
| EUT - Left View | EUT - Right View |

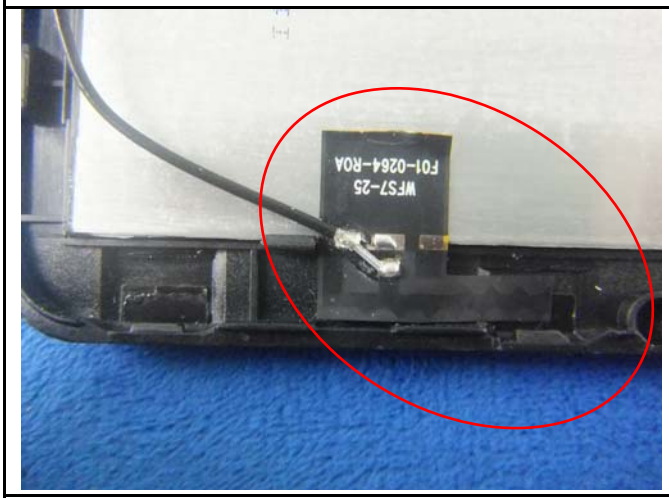
## Annex B.ii. Photograph: EUT Internal Photo

| | |
|---|---|
|  |  |
| Cover Off - Top View 1 | Cover Off - Top View 2 |
|  |  |
| Battery - Front View | Battery - Rear View |
|  |  |
| Mainboard - Front View | Mainboard - Rear View |



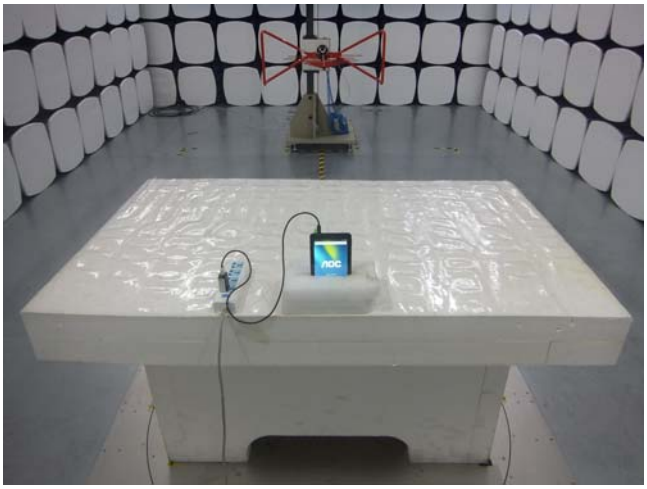
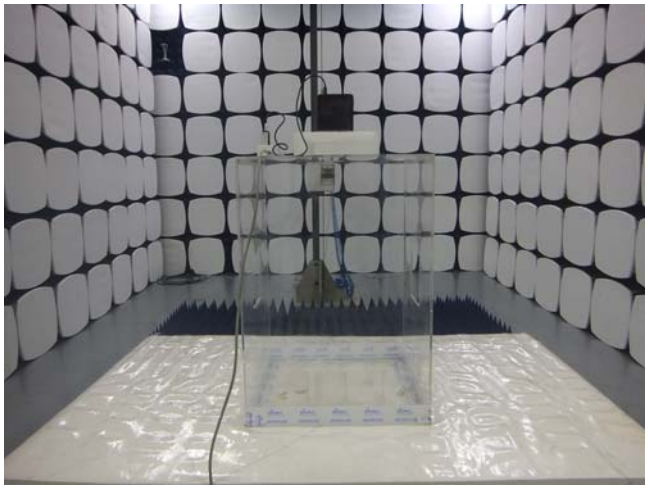
LCD – Front View

LCD – Rear View




BT/WIFI Antenna View

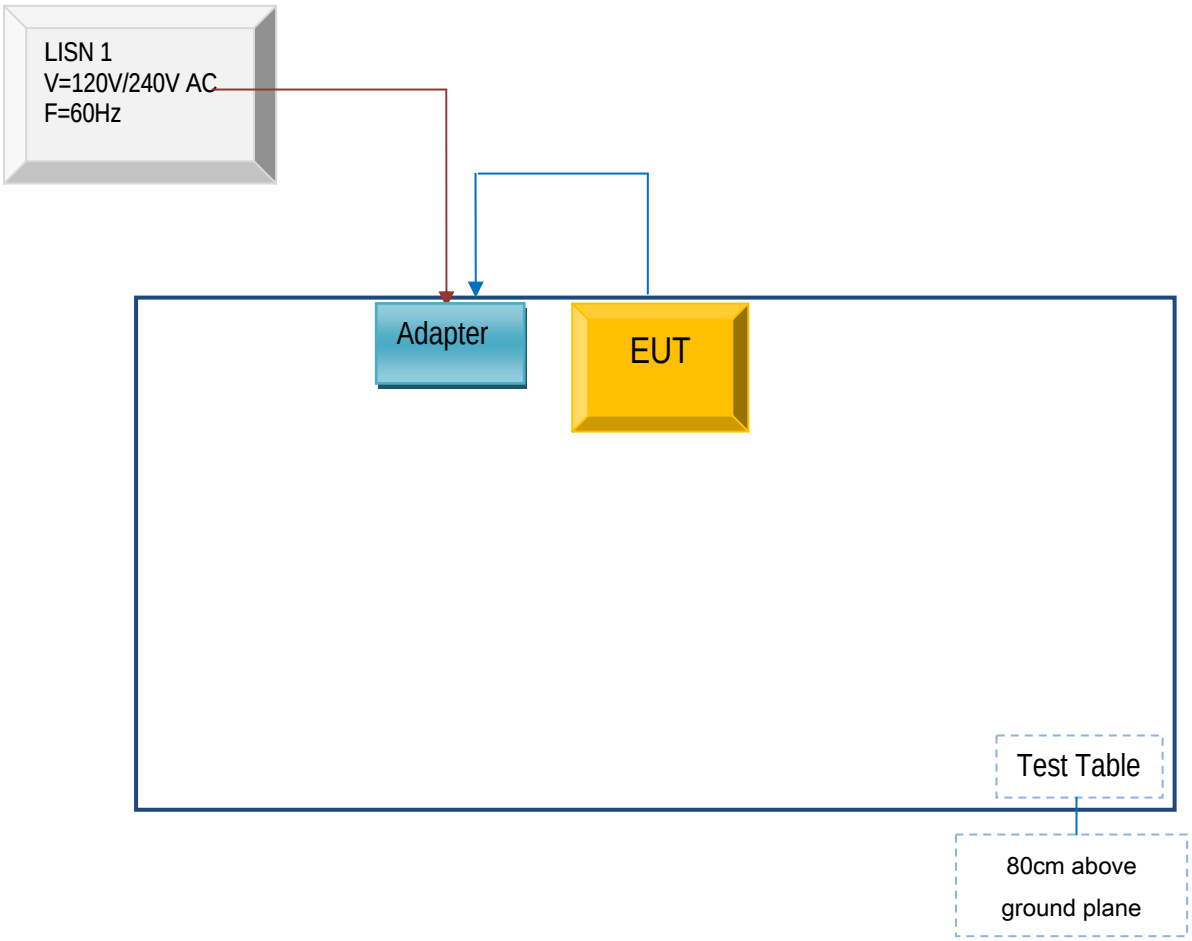
## Annex B.iii. Photograph: Test Setup Photo

| | |
|---|---|
|  |  |
| Conducted Emissions Test Setup Front View | Conducted Emissions Test Setup Side View |
|  |  |
| Radiated Spurious Emissions Test Setup Below 1GHz | Radiated Spurious Emissions Test Setup Above 1GHz |

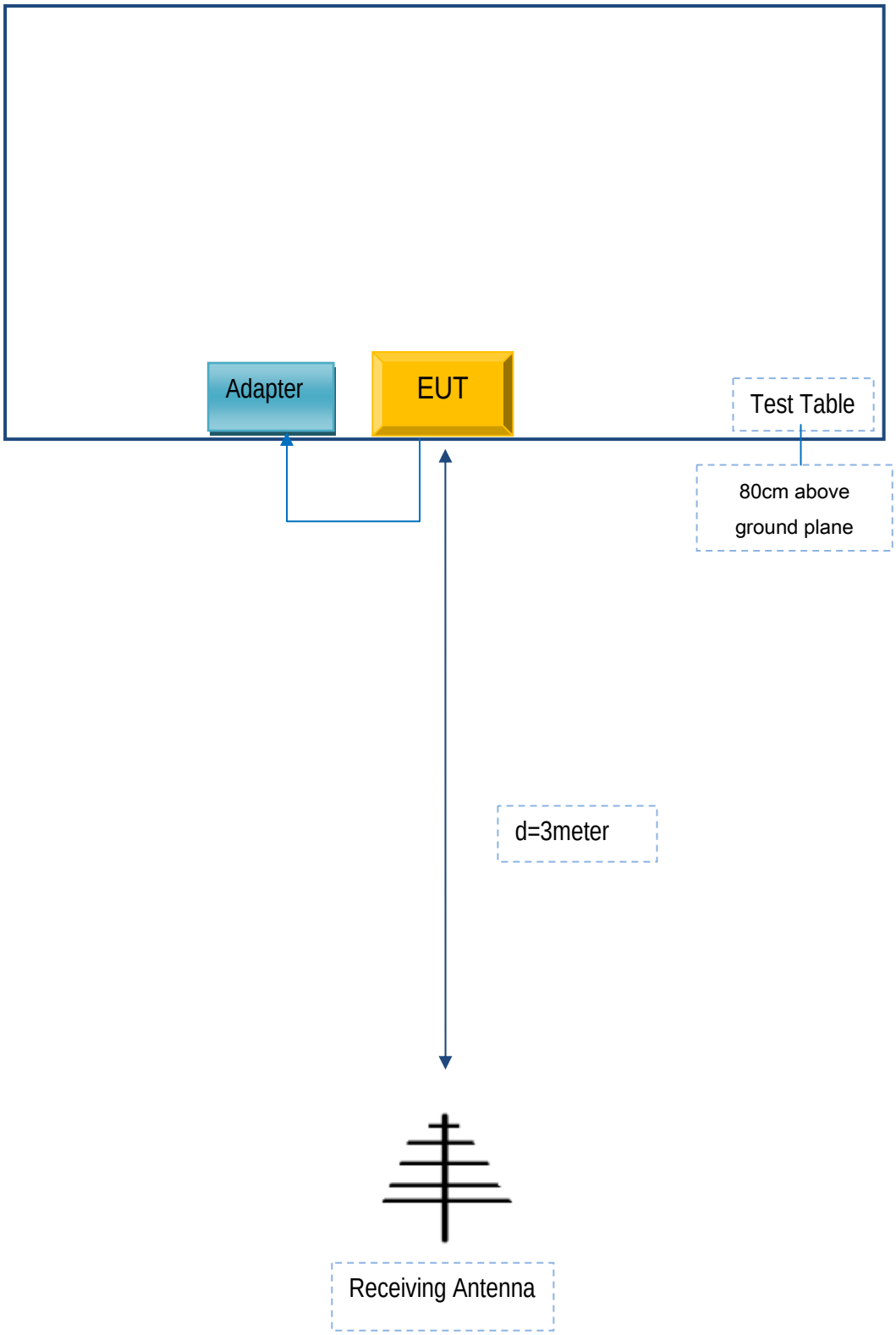
# Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

## Annex C.ii. TEST SET UP BLOCK

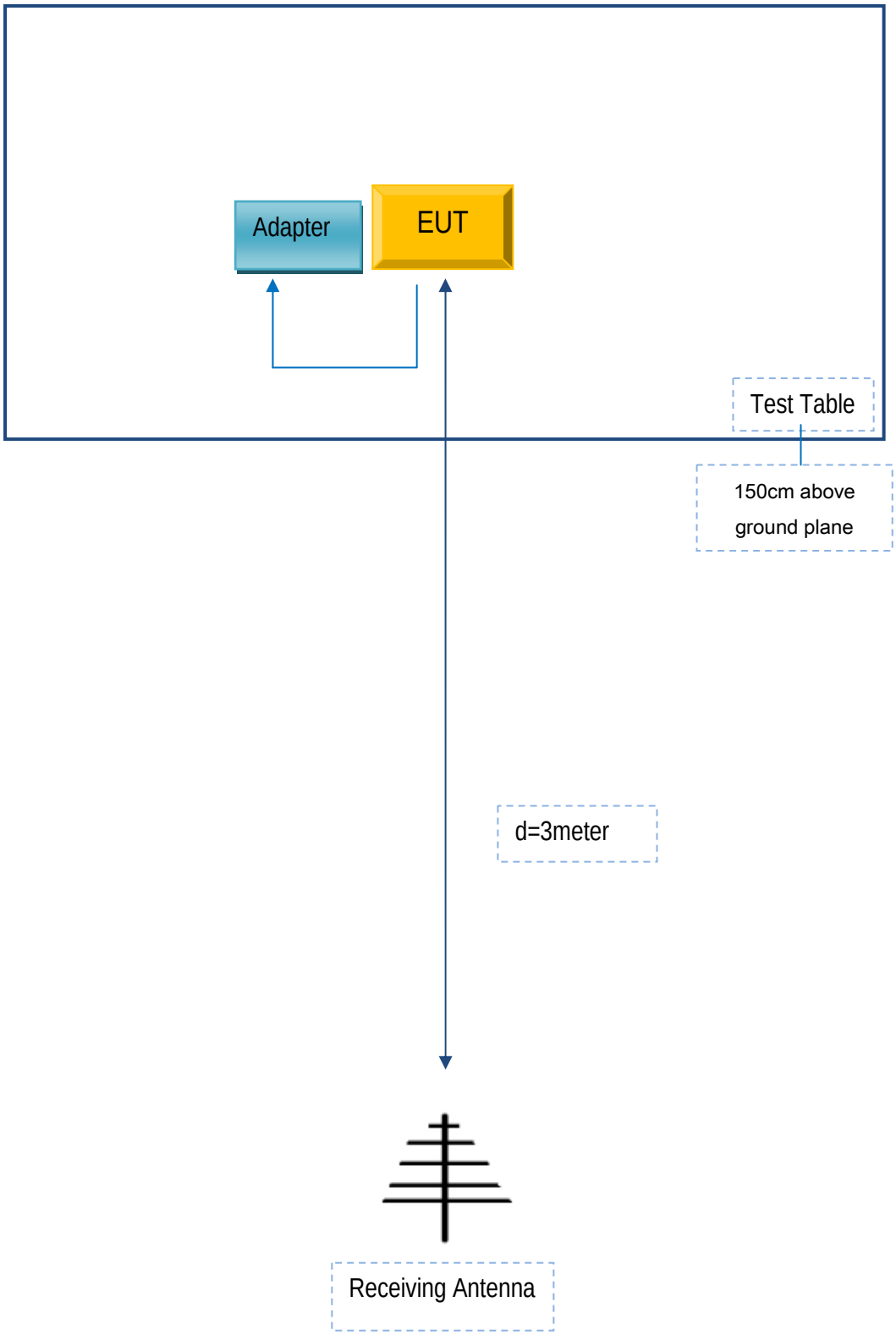
### Block Configuration Diagram for AC Line Conducted Emissions



## Block Configuration Diagram for Radiated Emissions （Below 1GHz）.



## Block Configuration Diagram for Radiated Emissions （Above 1GHz）.



## Annex C. il. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

**Supporting Equipment:**

| Manufacturer | Equipment Description | Model | Serial No |
|---|---|---|---|
| AOC | Adapter | SC/5WM500100-US | A72S |

**Supporting Cable:**

| Cable type | Shield Type | Ferrite Core | Length | Serial No |
|---|---|---|---|---|
| USB Cable | Un-shielding | No | 0.8m | A72S |

# Annex D. User Manual / Block Diagram / Schematics / Partlist

Please see attachment

# Annex E. DECLARATION OF SIMILARITY

N/A