
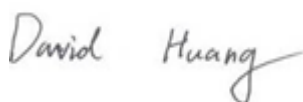



# RF TEST REPORT



Report No.: 17070764-FCC-R4

Supersede Report No.: N/A

Applicant	BLU Products, Inc.	
Product Name	Mobile Phone	
Model No.	STUDIO G3	
Serial No.	N/A	
Test Standard	FCC Part 15.247: 2016, ANSI C63.10: 2013	
Test Date	August 19 to September 05, 2017	
Issue Date	September 06, 2017	
Test Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	
Equipment complied with the specification <input checked="" type="checkbox"/>		
Equipment did not comply with the specification <input type="checkbox"/>		
		
Loren Luo Test Engineer	David Huang 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**

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## 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.



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### 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

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## 1. Report Revision History

Report No.	Report Version	Description	Issue Date
17070764-FCC-R4	NONE	Original	September 06, 2017

## 2. Customer information

Applicant Name	BLU Products, Inc.
Applicant Add	10814 NW 33rd St # 100 Doral, FL 33172
Manufacturer	BLU Products, Inc.
Manufacturer Add	10814 NW 33rd St # 100 Doral, FL 33172

## 3. Test site information

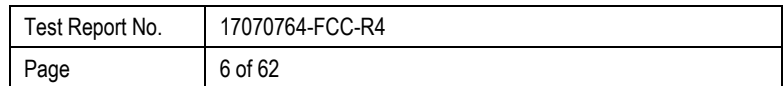
Test Lab A:

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.	535293
IC Test Site No.	4842E-1
Test Software	Radiated Emission Program-To Shenzhen v2.0

Test Lab B:

Lab performing tests	SIEMIC (Nanjing-China) Laboratories
Lab Address	2-1 Longcang Avenue Yuhua Economic and Technology Development Park, Nanjing, China
FCC Test Site No.	694825
IC Test Site No.	4842B-1
Test Software	EZ_EMG(ver.lcp-03A1)

Note: We just perform Radiated Spurious Emission above 18GHz in the test Lab. B.



Description of EUT:	Mobile Phone
Main Model:	STUDIO G3
Serial Model:	N/A
Date EUT received:	August 18, 2017
Test Date(s):	August 19 to September 05, 2017
Equipment Category :	DTS
Antenna Gain:	GSM850: -3.7dBi PCS1900: -3.5dBi UMTS-FDD Band V: -3.0dBi UMTS-FDD Band IV: -2.5dBi UMTS-FDD Band II: -2.5dBi WIFI: -4.13dBi Bluetooth/BLE: -4.13dBi GPS: -3.2dBi
Antenna Type:	PIFA antenna
Type of Modulation:	GSM / GPRS: GMSK EGPRS: GMSK,8PSK UMTS-FDD: QPSK 802.11b/g/n: DSSS, OFDM Bluetooth: GFSK, π /4DQPSK, 8DPSK BLE: GFSK GPS:BPSK
RF Operating Frequency (ies):	GSM850 TX: 824.2 ~ 848.8 MHz; RX: 869.2 ~ 893.8 MHz PCS1900 TX: 1850.2 ~ 1909.8 MHz; RX: 1930.2 ~ 1989.8 MHz UMTS-FDD Band V TX: 826.4 ~ 846.6 MHz; RX: 871.4 ~ 891.6 MHz UMTS-FDD Band IV TX:1712.4 ~ 1752.6 MHz; RX : 2112.4 ~ 2152.6 MHz UMTS-FDD Band II TX:1852.4 ~ 1907.6 MHz; RX: 1932.4 ~ 1987.6 MHz

WIFI: 802.11b/g/n(20M): 2412-2462 MHz  
WIFI: 802.11n(40M): 2422-2452 MHz  
Bluetooth& BLE: 2402-2480 MHz  
GPS: 1575.42 MHz

Max. Output Power:  
802.11b: 13.83 dBm  
802.11g: 11.70 dBm  
802.11n(20M): 7.78 dBm  
802.11n(40M): 7.86 dBm

Number of Channels:  
GSM 850: 124CH  
PCS1900: 299CH  
UMTS-FDD Band V: 102CH  
UMTS-FDD Band IV: 202CH  
UMTS-FDD Band II: 277CH  
WIFI :802.11b/g/n(20M): 11CH  
WIFI :802.11n(40M): 7CH  
Bluetooth: 79CH  
BLE: 40CH  
GPS:1CH

Port: USB Port, Earphone Port

Adapter:  
Model: US-BB-1000  
Input: AC100-240V~50/60Hz,0.2A  
Input Power: Output: DC 5.0V,1.0A  
Battery:  
Model: C745343205L  
Spec: 3.8V, 2050mAh, 7.79Wh

Trade Name : BLU

GPRS/ EGPRS Multi-slot class 8/10/12

FCC ID: YHLBLUSTUDIOG3

## 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 Emissions & Unwanted Emissions into Restricted Frequency Bands	Compliance

### Measurement Uncertainty

Emissions		
Test Item	Description	Uncertainty
Band-Edge & Unwanted Emissions into Restricted Frequency Bands and Radiated Emissions & Unwanted Emissions into Restricted Frequency Bands	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 2 antennas:

A permanently attached PIFA antenna for GSM/PCS/ UMTS-FDD Band V/ IV /II, the gain is -3.7dBi for GSM850, the gain is -3.0dBi for UMTS-FDD Band V, the gain is -3.5dBi for PCS1900, the gain is -2.5dBi for UMTS-FDD Band IV/II.

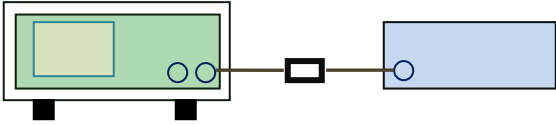
A permanently attached PIFA antenna for Bluetooth/BLE/WIFI/GPS, the gain is -4.13dBi for WIFI/Bluetooth/BLE, the gain is -3.2dBi for GPS.

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

**Result:** Compliance.

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

Temperature	27 °C
Relative Humidity	55%
Atmospheric Pressure	1023mbar
Test date :	August 22, 2017
Tested By :	Loren Luo

Spec	Item	Requirement	Applicable
§ 15.247(a)(2) RSS Gen(4.6.1)	a)	6dB BW $\geq$ 500kHz;	<input checked="" type="checkbox"/>
	b)	99% BW: For FCC reference only; required by IC.	<input checked="" type="checkbox"/>
Test Setup	 <p style="text-align: center;">Spectrum Analyzer                      EUT</p>		
Test Procedure	<p>558074 D01 DTS MEAS Guidance v03r03, 8.1 DTS bandwidth</p> <p><u>6dB bandwidth</u></p> <ol style="list-style-type: none"> <li>Set RBW = 100 kHz.</li> <li>Set the video bandwidth (VBW) <math>\geq 3 \times</math> RBW.</li> <li>Detector = Peak.</li> <li>Trace mode = max hold.</li> <li>Sweep = auto couple.</li> <li>Allow the trace to stabilize.</li> <li>Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.</li> </ol> <p><u>20dB bandwidth</u></p> <p>C63.10 Occupied Bandwidth (OBW=20dB bandwidth)</p> <ol style="list-style-type: none"> <li>Set RBW = 1%-5% OBW.</li> <li>Set the video bandwidth (VBW) <math>\geq 3 \times</math> RBW.</li> <li>Set the span range between 2 times and 5 times of the OBW.</li> <li>Sweep time=Auto, Detector=PK, Trace=Max hold.</li> <li>Once the reference level is established, the equipment is conditioned with typical modulating signals to produce the worst-</li> </ol>		

	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	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data ☒ Yes ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A

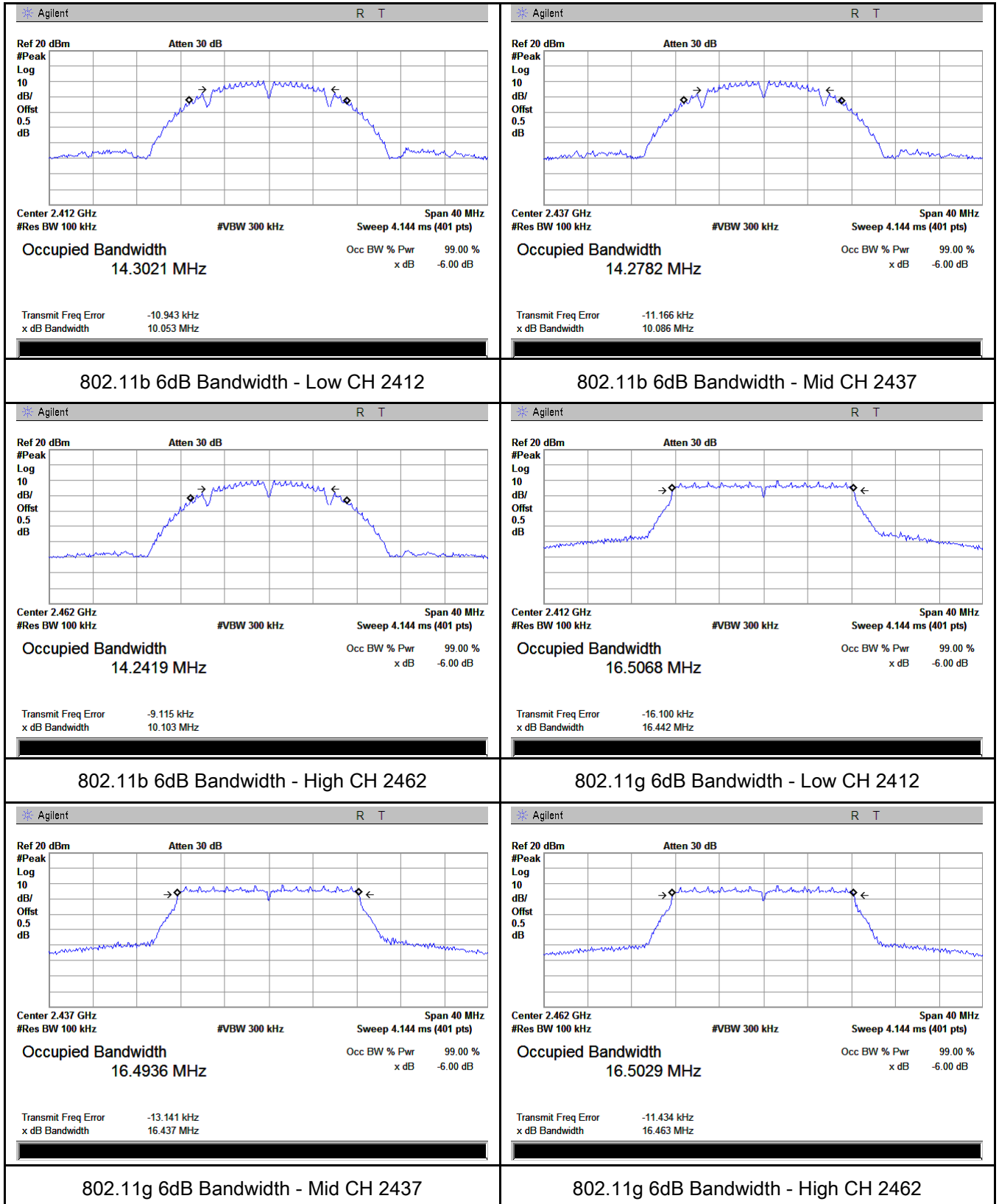
### Measurement result

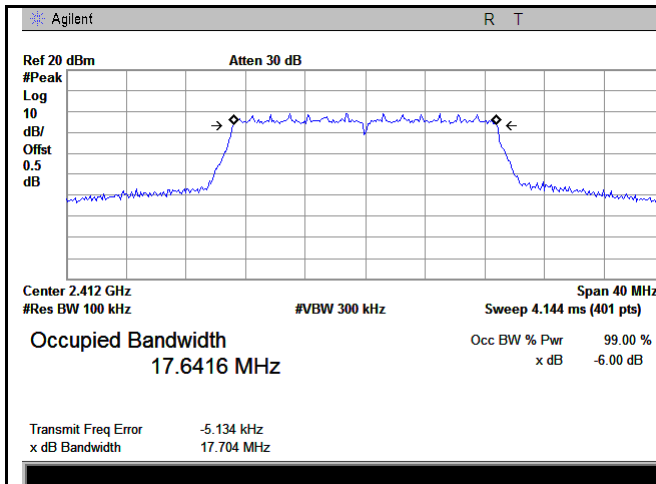
Test mode	CH	Freq (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
802.11b	Low	2412	10.053	$\geq 0.5$
	Mid	2437	10.086	$\geq 0.5$
	High	2462	10.103	$\geq 0.5$
802.11g	Low	2412	16.442	$\geq 0.5$
	Mid	2437	16.437	$\geq 0.5$
	High	2462	16.463	$\geq 0.5$
802.11n (20M)	Low	2412	17.704	$\geq 0.5$
	Mid	2437	17.696	$\geq 0.5$
	High	2462	17.683	$\geq 0.5$
802.11n (40M)	Low	2422	36.356	$\geq 0.5$
	Mid	2437	36.323	$\geq 0.5$
	High	2452	36.313	$\geq 0.5$

Test mode	CH	Freq (MHz)	20dB Bandwidth (MHz)
802.11b	Low	2412	16.486
	Mid	2437	16.480
	High	2462	16.451
802.11g	Low	2412	19.348
	Mid	2437	19.326
	High	2462	19.344
802.11n (20M)	Low	2412	19.639
	Mid	2437	19.558
	High	2462	19.607
802.11n (40M)	Low	2422	39.914
	Mid	2437	40.130
	High	2452	39.833

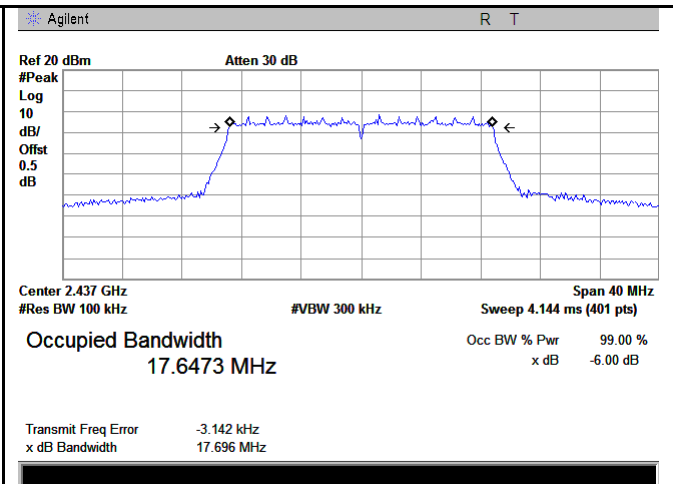
## Test Plots

### 6dB Bandwidth measurement result

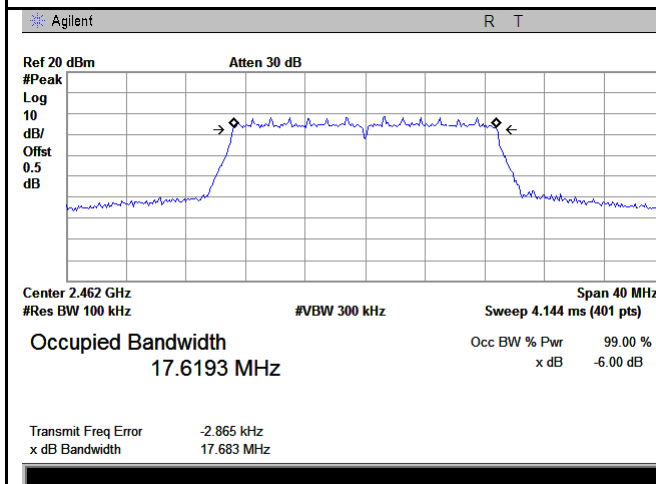




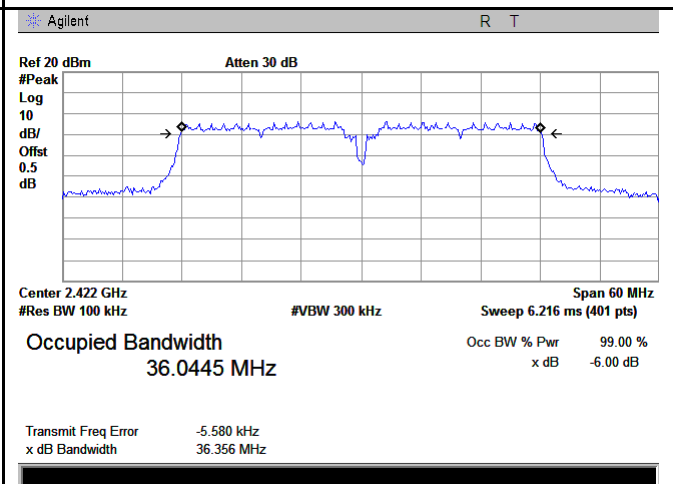
802.11n20 6dB Bandwidth - Low CH 2412



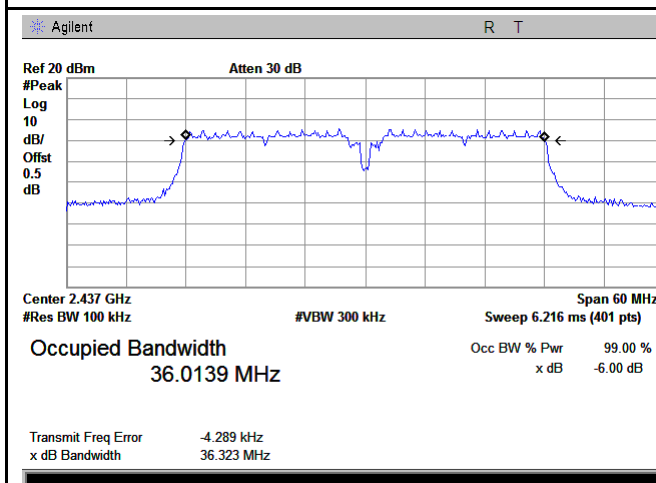
802.11n20 6dB Bandwidth - Mid CH 2437



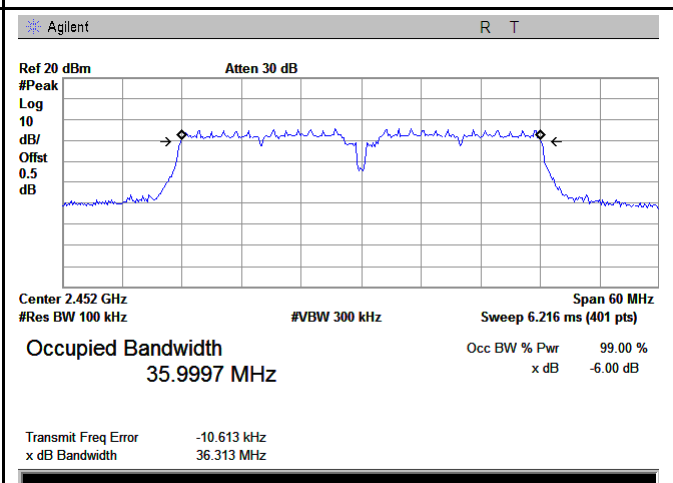
802.11n20 6dB Bandwidth - High CH 2462



802.11n40 6dB Bandwidth - Low CH 2422

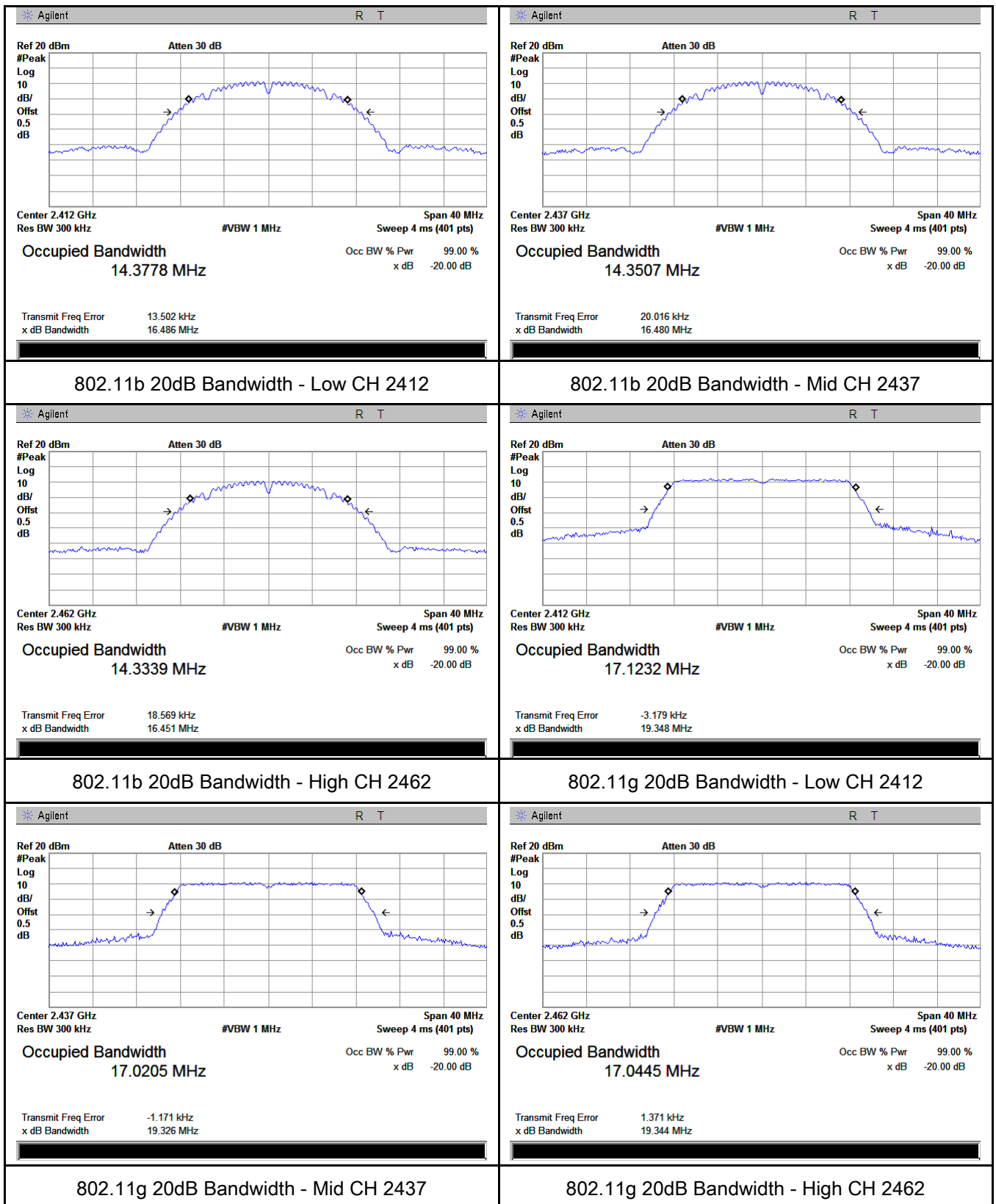


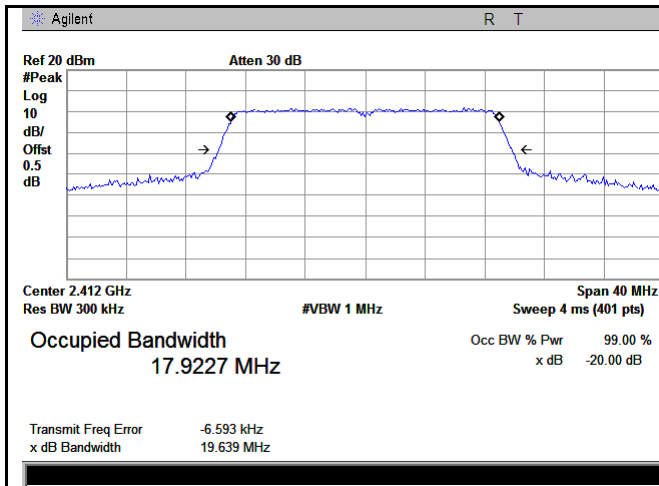
802.11n40 6dB Bandwidth - Mid CH 2437



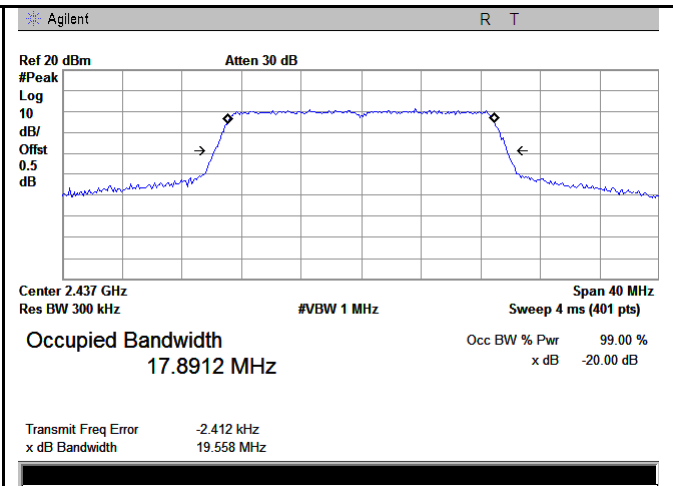
802.11n40 6dB Bandwidth - High CH 2452

## 20 dB Bandwidth measurement result

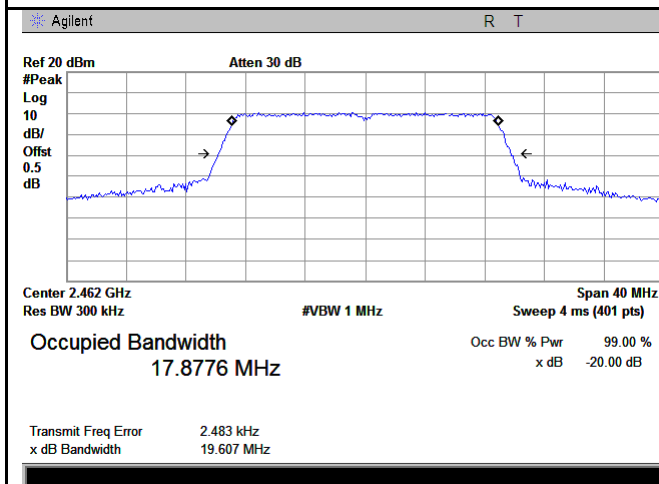




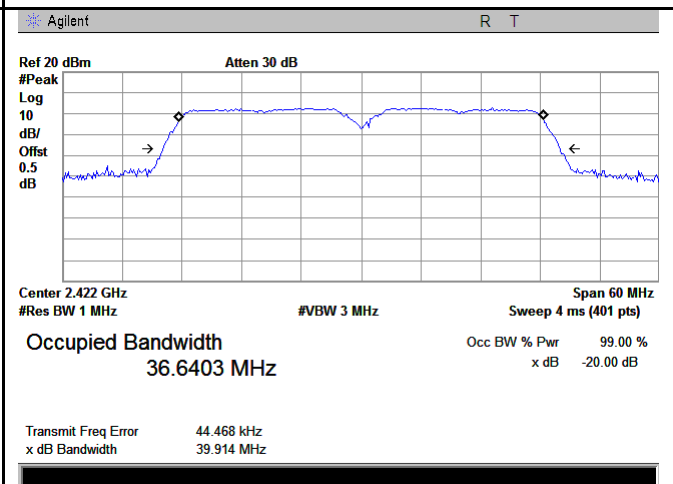
802.11n20 20dB Bandwidth - Low CH 2412



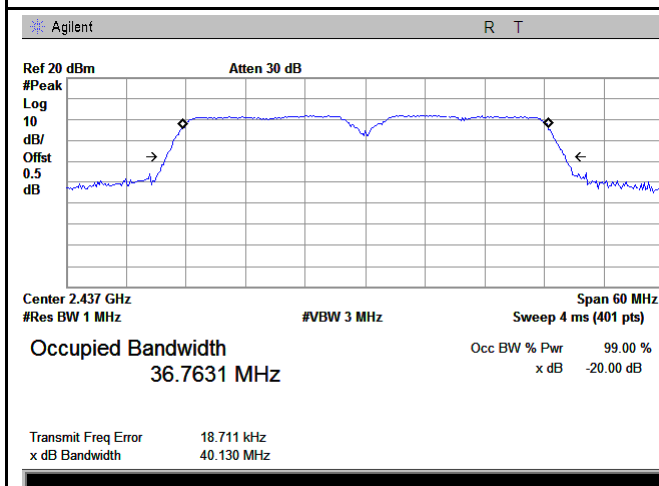
802.11n20 20dB Bandwidth - Mid CH 2437



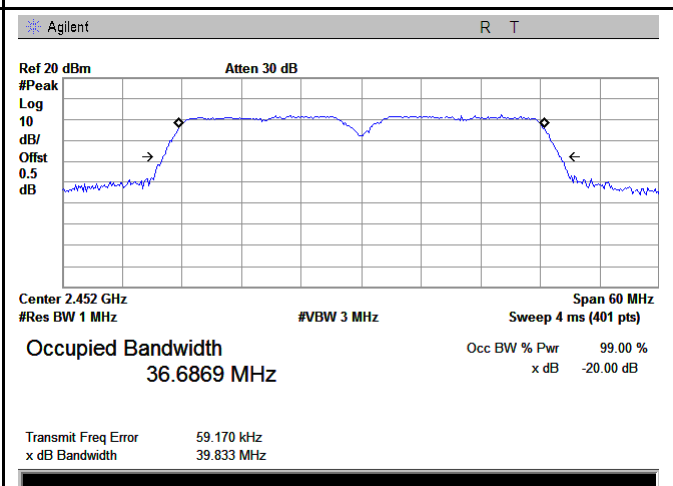
802.11n20 20dB Bandwidth - High CH 2462



802.11n40 20dB Bandwidth - Low CH 2422



802.11n40 20dB Bandwidth - Mid CH 2437



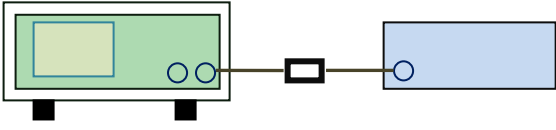
802.11n40 20dB Bandwidth - High CH 2452



### 6.3 Maximum Output Power

Temperature	25 °C
Relative Humidity	55%
Atmospheric Pressure	1017mbar
Test date :	August 23, 2017
Tested By :	Loren Luo

#### Requirement(s):

Spec	Item	Requirement	Applicable
§15.247(b) (3),RSS210 (A8.4)	a)	FHSS in 2400-2483.5MHz with $\geq 75$ channels: $\leq 1$ Watt	<input type="checkbox"/>
	b)	FHSS in 5725-5850MHz: $\leq 1$ Watt	<input type="checkbox"/>
	c)	For all other FHSS in the 2400-2483.5MHz band: $\leq 0.125$ Watt.	<input type="checkbox"/>
	d)	FHSS in 902-928MHz with $\geq 50$ channels: $\leq 1$ Watt	<input type="checkbox"/>
	e)	FHSS in 902-928MHz with $\geq 25$ & $<50$ channels: $\leq 0.25$ Watt	<input type="checkbox"/>
	f)	DTS in 902-928MHz, 2400-2483.5MHz: $\leq 1$ Watt	<input checked="" type="checkbox"/>
Test Setup	 <p style="text-align: center;">Spectrum Analyzer                      EUT</p>		
Test Procedure	<p>558074 D01 DTS MEAS Guidance v03r03, 9.1.2 Integrated band power method Maximum output power measurement procedure</p> <ul style="list-style-type: none"> <li>- a) Set span to at least 1.5 times the OBW.</li> <li>- b) Set RBW = 1-5% of the OBW, not to exceed 1 MHz.</li> <li>- c) Set VBW <math>\geq 3 \times</math> RBW.</li> <li>- d) Number of points in sweep <math>\geq 2 \times</math> span / RBW. (This gives bin-to-bin spacing <math>\leq</math> RBW/2, so that narrowband signals are not lost between frequency bins.)</li> <li>- e) Sweep time = auto.</li> <li>- f) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.</li> <li>- g) If transmit duty cycle <math>&lt; 98\%</math>, use a sweep trigger with the level set to enable triggering only on full power pulses. The transmitter shall operate at maximum</li> </ul>		

	<p>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 <math>\geq 98\%</math>, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to " free run" .</p> <ul style="list-style-type: none"> <li>- h) Trace average at least 100 traces in power averaging (i.e., RMS) mode.</li> <li>- 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.</li> </ul>
Remark	
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data ☒ Yes ☐ N/A

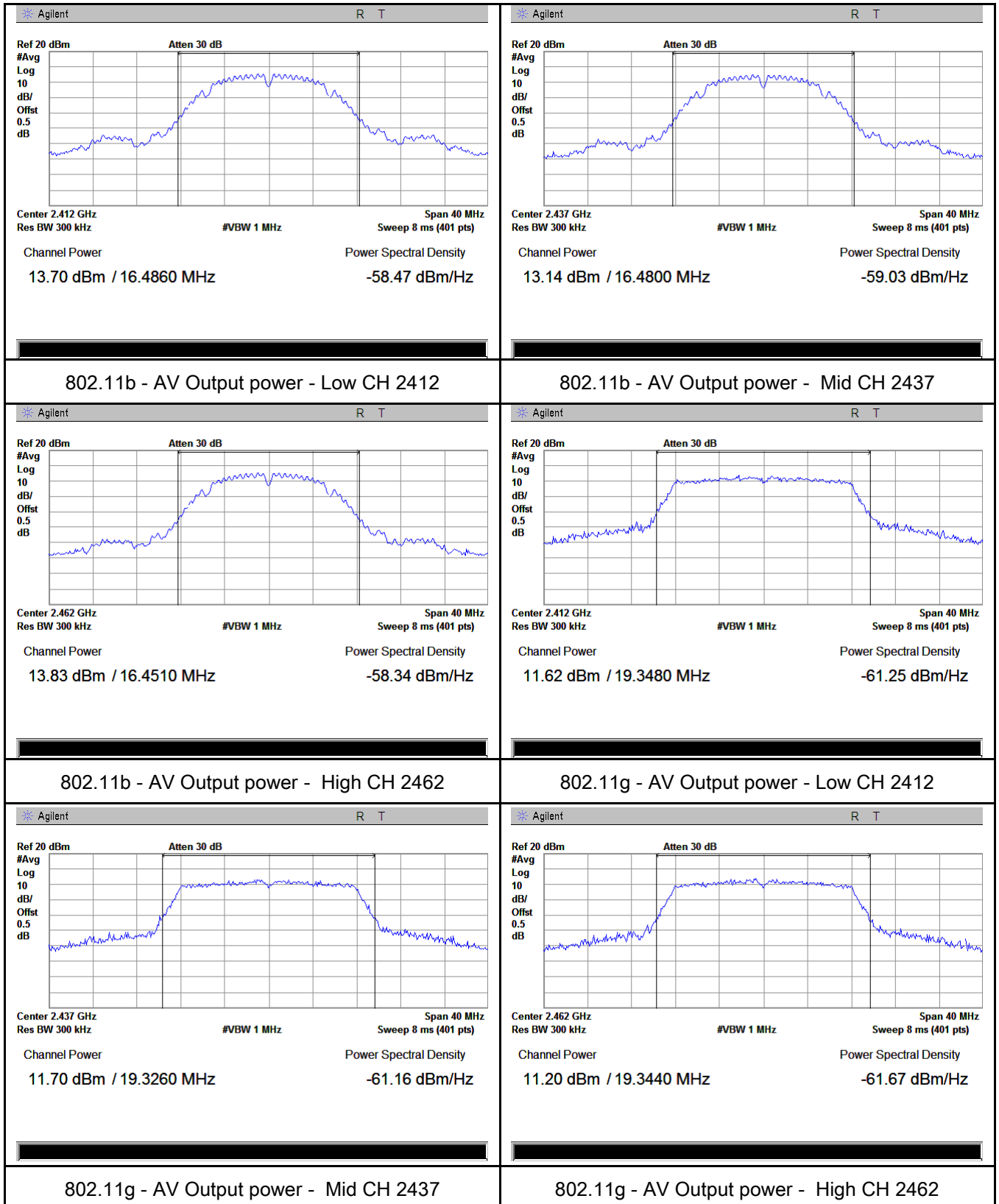
Test Plot ☒ Yes (See below) ☐ N/A

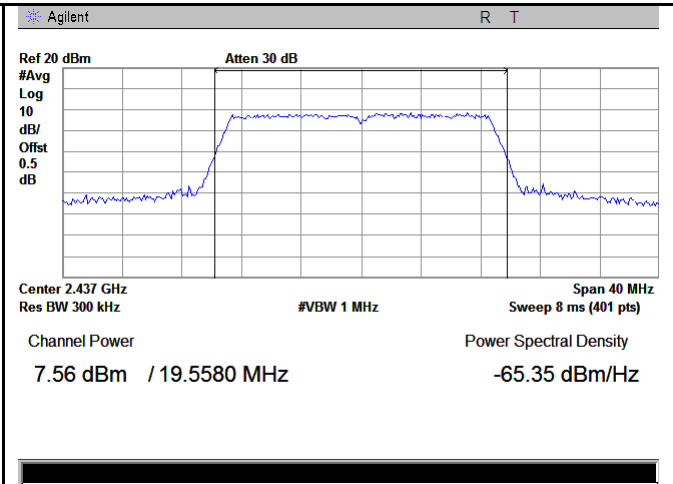
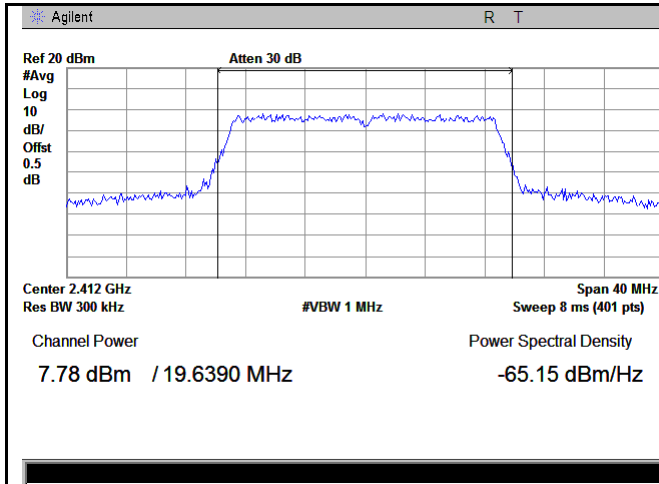
#### Output Power measurement result

Type	Test mode	CH	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Result
Output power	802.11b	Low	2412	13.70	30	Pass
		Mid	2437	13.14	30	Pass
		High	2462	<b>13.83</b>	30	Pass
	802.11g	Low	2412	11.62	30	Pass
		Mid	2437	<b>11.70</b>	30	Pass
		High	2462	11.20	30	Pass
	802.11n (20M)	Low	2412	<b>7.78</b>	30	Pass
		Mid	2437	7.56	30	Pass
		High	2462	7.19	30	Pass
	802.11n (40M)	Low	2422	7.06	30	Pass
		Mid	2437	<b>7.86</b>	30	Pass
		High	2452	7.36	30	Pass

## Test Plots

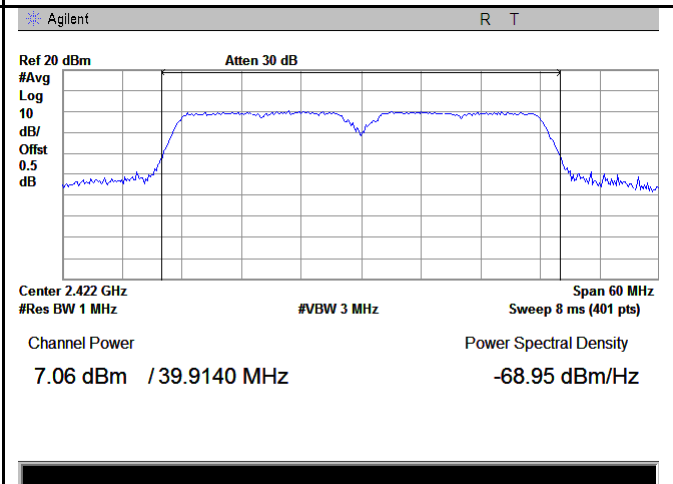
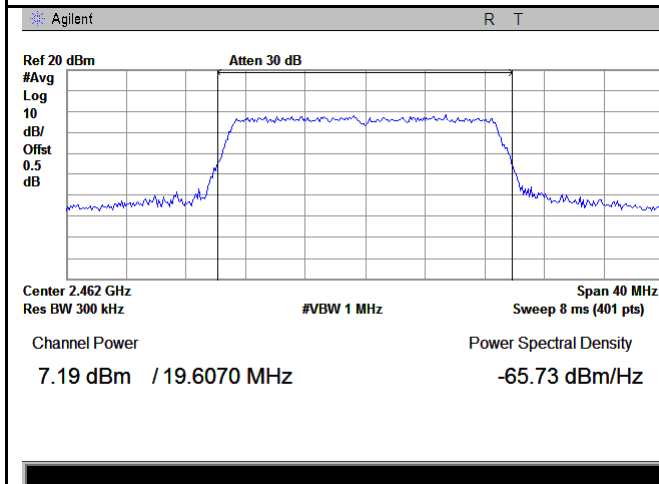
### The Average Power





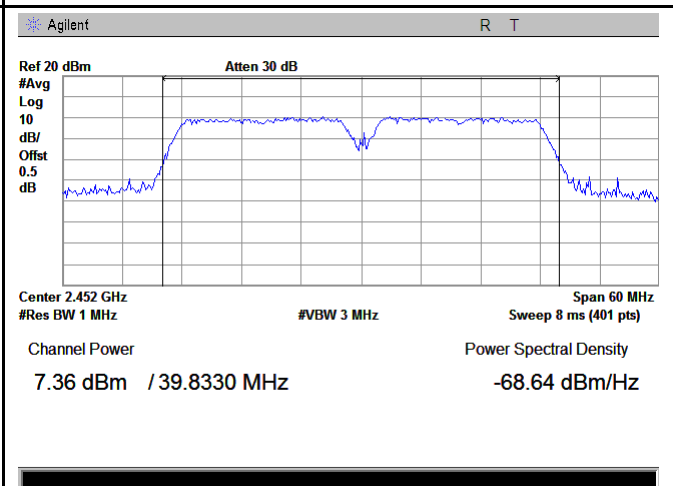
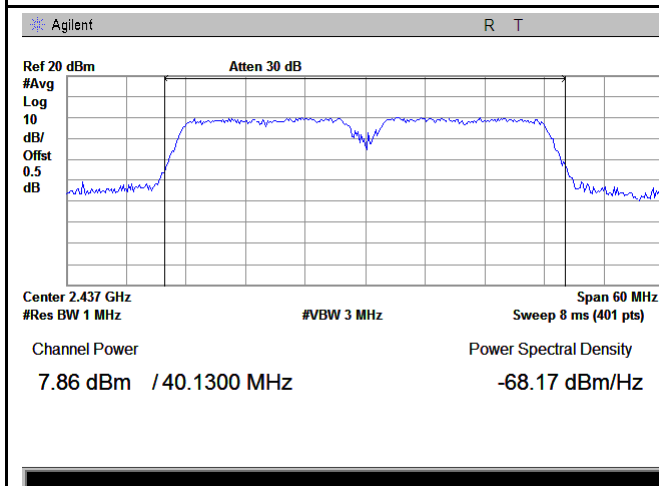
802.11n20 - AV Output power - Low CH 2412

802.11n20 - AV Output power - Mid CH 2437



802.11n20 - AV Output power - High CH 2462

802.11n40 - AV Output power - Low CH 2422

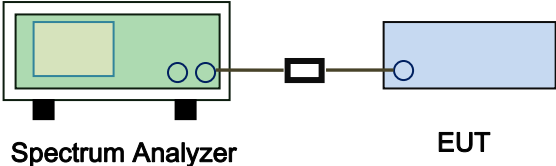


802.11n40 - AV Output power - Mid CH 2437

802.11n40 - AV Output power - High CH 2452

## 6.4 Power Spectral Density

Temperature	25 °C
Relative Humidity	55%
Atmospheric Pressure	1017mbar
Test date :	August 23, 2017
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.	<input checked="" type="checkbox"/>
Test Setup	 <p style="text-align: center;">Spectrum Analyzer                      EUT</p>		
Test Procedure	<p>558074 D01 DTS MEAS Guidance v03r03, 10.2 power spectral density method power spectral density measurement procedure</p> <ul style="list-style-type: none"> <li>- a) Set analyzer center frequency to DTS channel center frequency.</li> <li>- b) Set the span to 1.5 times the DTS bandwidth.</li> <li>- c) Set the RBW to: <math>3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}</math>.</li> <li>- d) Set the VBW <math>\geq 3 \times \text{RBW}</math>.</li> <li>- e) Detector = peak.</li> <li>- f) Sweep time = auto couple.</li> <li>- g) Trace mode = max hold.</li> <li>- h) Allow trace to fully stabilize.</li> <li>- i) Use the peak marker function to determine the maximum amplitude level within the RBW.</li> <li>- j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.</li> </ul>		
Remark			
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		

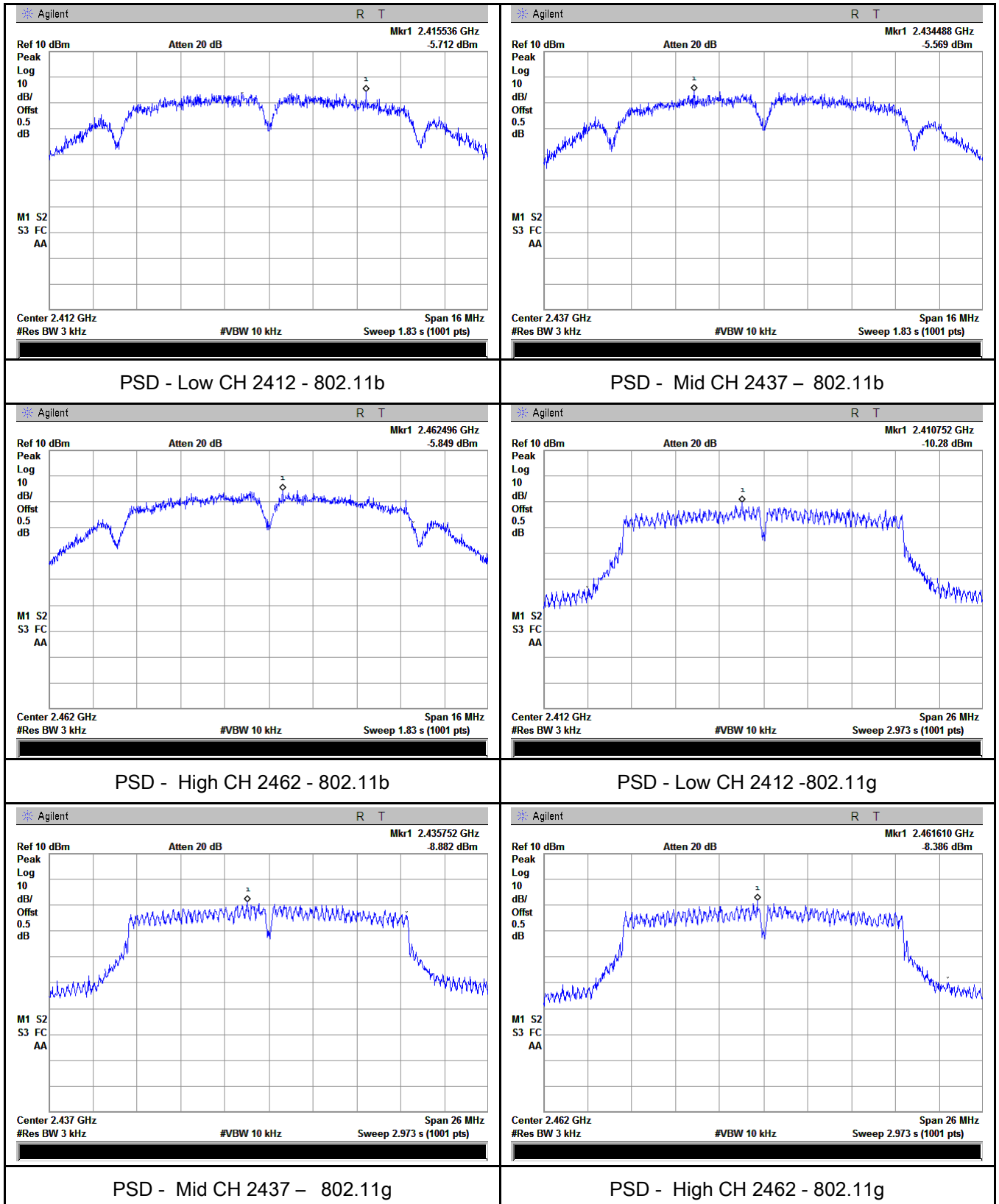
Test Data ☒ Yes ☐ N/A  
 Test Plot ☒ Yes (See below) ☐ N/A

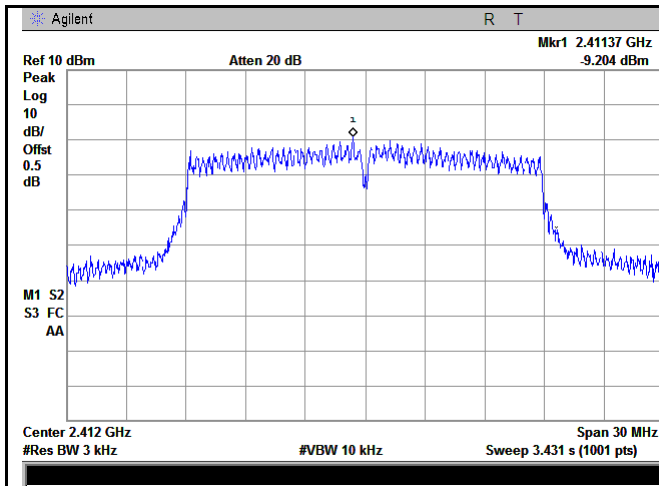
### Power Spectral Density measurement result

Type	Test mode	CH	Freq (MHz)	PSD	Limit (dBm)	Result
				(dBm)		
PSD	802.11b	Low	2412	-5.712	8	Pass
		Mid	2437	-5.569	8	Pass
		High	2462	-5.849	8	Pass
	802.11g	Low	2412	-10.28	8	Pass
		Mid	2437	-8.882	8	Pass
		High	2462	-8.386	8	Pass
	802.11n (20M)	Low	2412	-9.204	8	Pass
		Mid	2437	-8.521	8	Pass
		High	2462	-9.396	8	Pass
	802.11n (40M)	Low	2422	-11.10	8	Pass
		Mid	2437	-10.39	8	Pass
		High	2452	-10.77	8	Pass

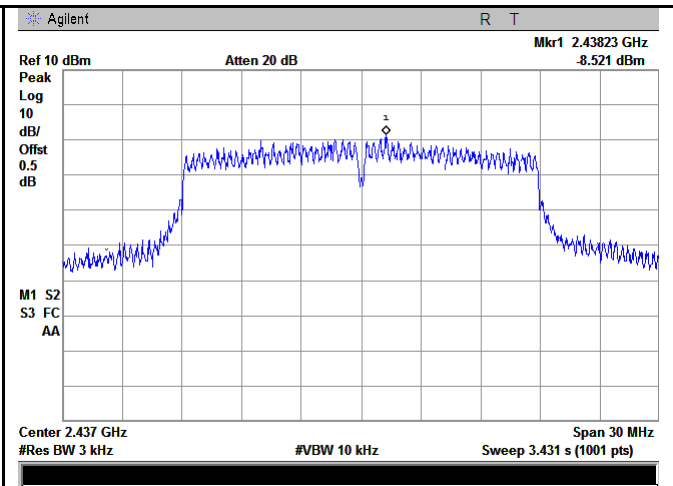
## Test Plots

### Power Spectral Density measurement result

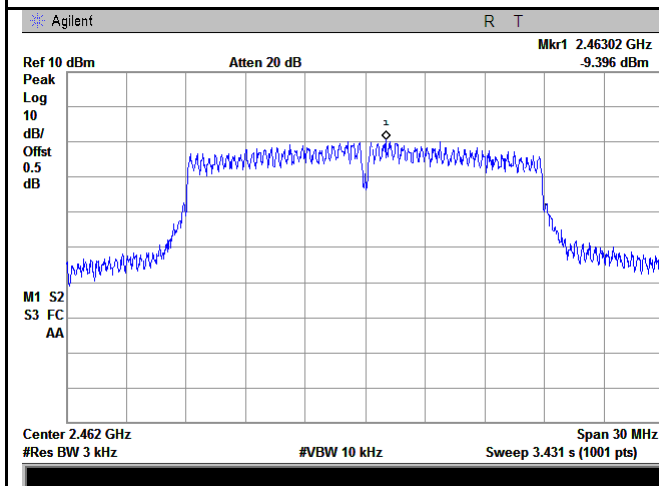




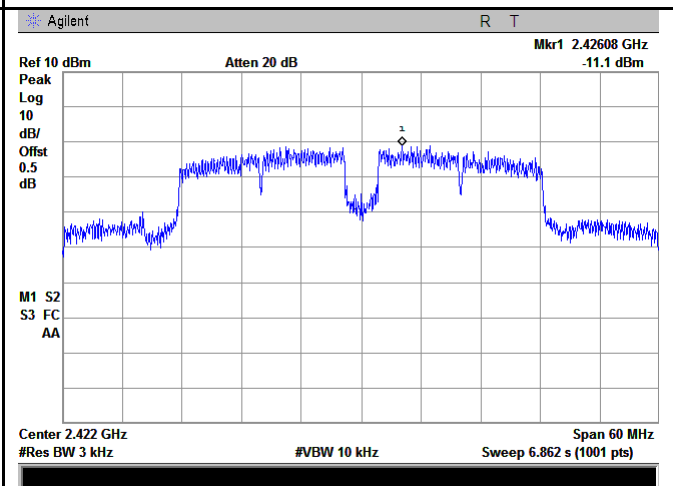
PSD - Low CH 2412 - 802.11n20



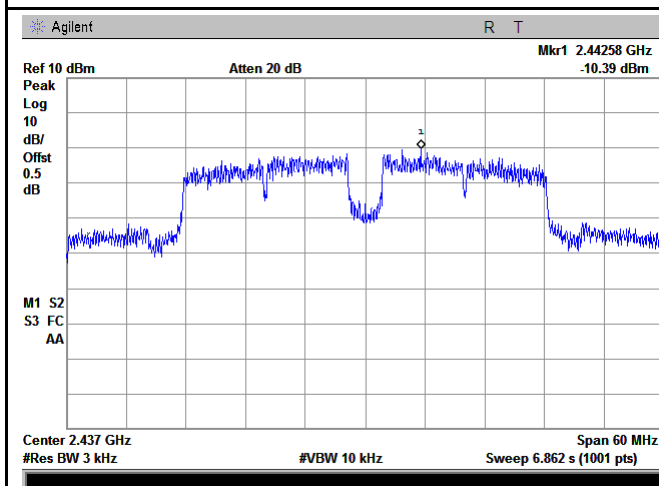
PSD - Mid CH 2437 - 802.11n20



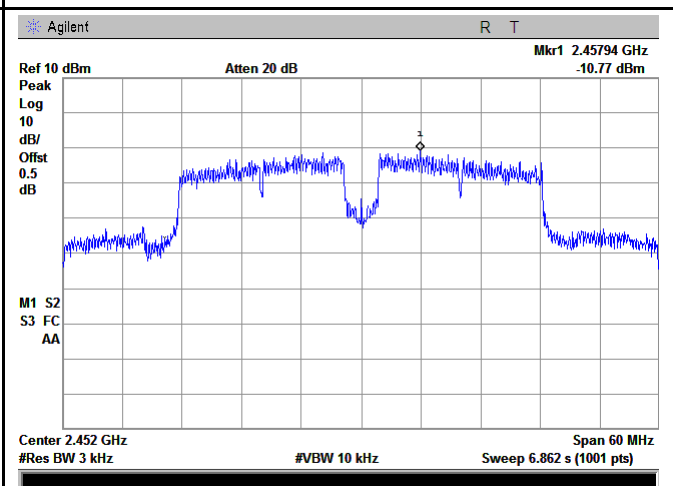
PSD - High CH 2472 - 802.11n20



PSD - Low CH 2422 - 802.11n40



PSD - Mid CH 2437 - 802.11n40



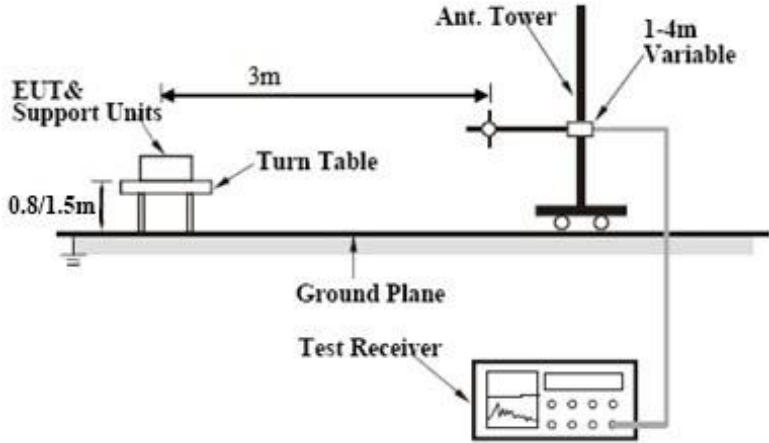
PSD - High CH 2452 - 802.11n40



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

Temperature	25 °C
Relative Humidity	57%
Atmospheric Pressure	1024mbar
Test date :	August 24, 2017
Tested By :	Loren Luo

### Requirement(s):

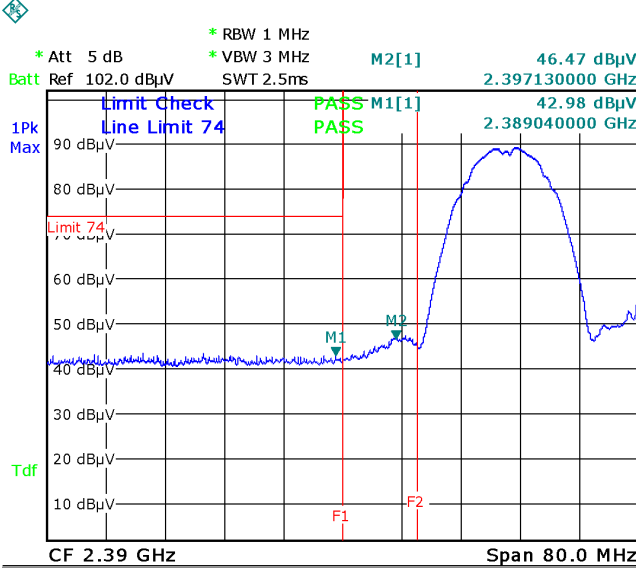
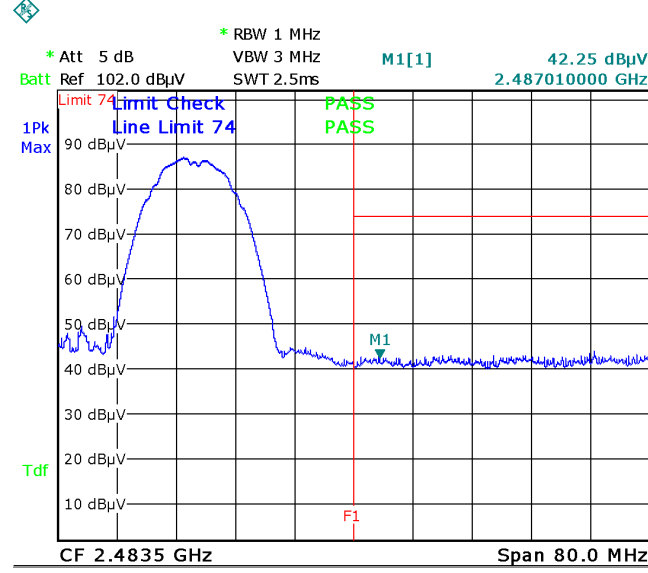
Spec	Item	Requirement	Applicable
§15.247(d)	a)	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 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.	<input checked="" type="checkbox"/>
Test Setup			
Test Procedure	<p>Radiated Method Only</p> <ul style="list-style-type: none"> <li>1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.</li> <li>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.</li> </ul>		

	<ul style="list-style-type: none"> <li>- 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:               <ul style="list-style-type: none"> <li>a. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi Peak detection at frequency below 1GHz.</li> <li>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.</li> <li>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.</li> </ul> </li> <li>- 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.</li> <li>- 5. Repeat above procedures until all measured frequencies were complete.</li> </ul>
Remark	
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

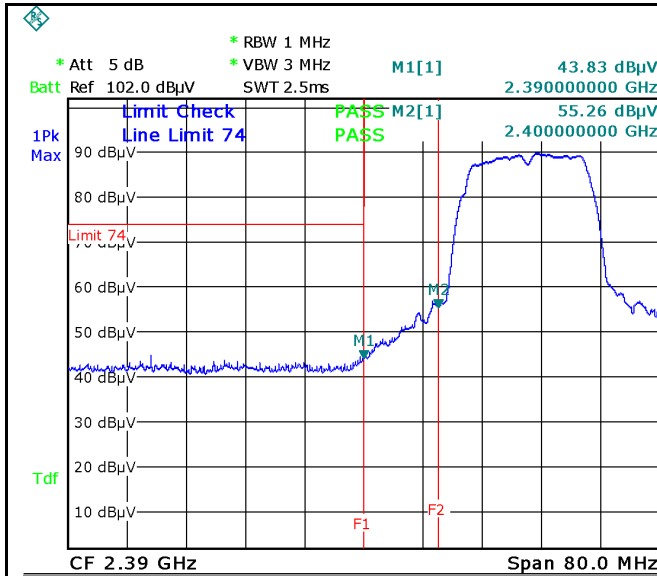
Test Data ☒ Yes ☐ N/A  
 Test Plot ☒ Yes (See below) ☐ N/A

## Test Plots

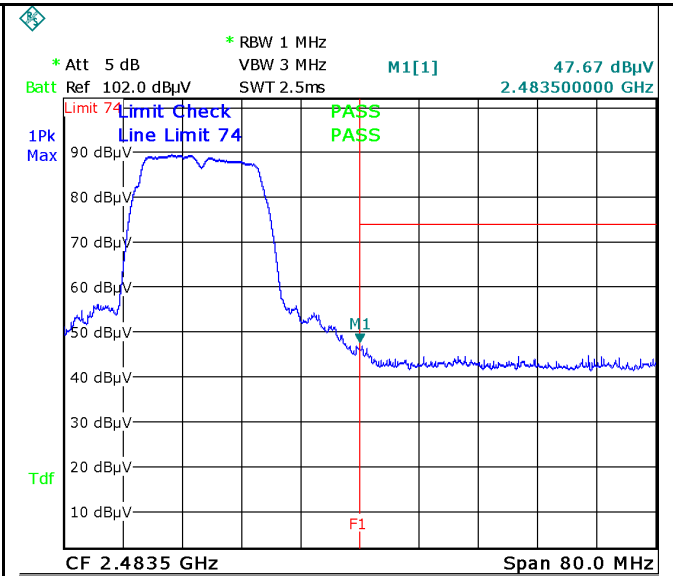
### Band Edge measurement result

 <p>Date: 25.AUG.2017 14:51:23</p>	 <p>Date: 25.AUG.2017 15:21:02</p>
<p>Band Edge, Left Side (Peak) - 802.11b</p> <p>Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz</p>	<p>Band Edge, Right Side (Peak) - 802.11b</p> <p>Note: F1 is frequency 2483.5MHz</p>
<p>Note: (no need if PK value less than the AV limit)</p>	<p>Note: (no need if PK value less than the AV limit)</p>
<p>Band Edge, Left Side (Average) - 802.11b</p>	<p>Band Edge, Right Side (Average) - 802.11b</p>

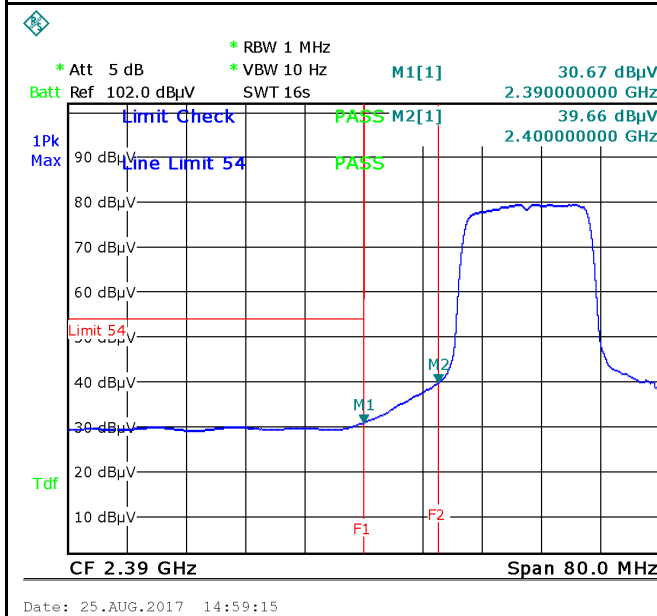
Note: Both Horizontal and vertical polarities were investigated



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

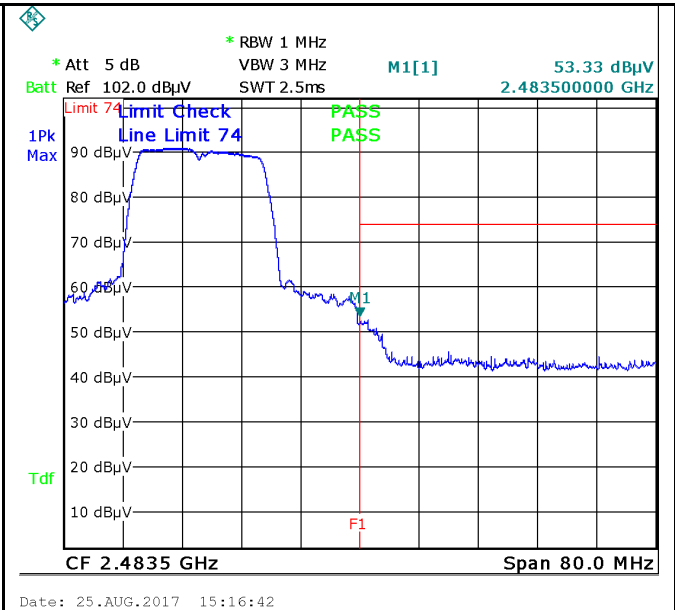
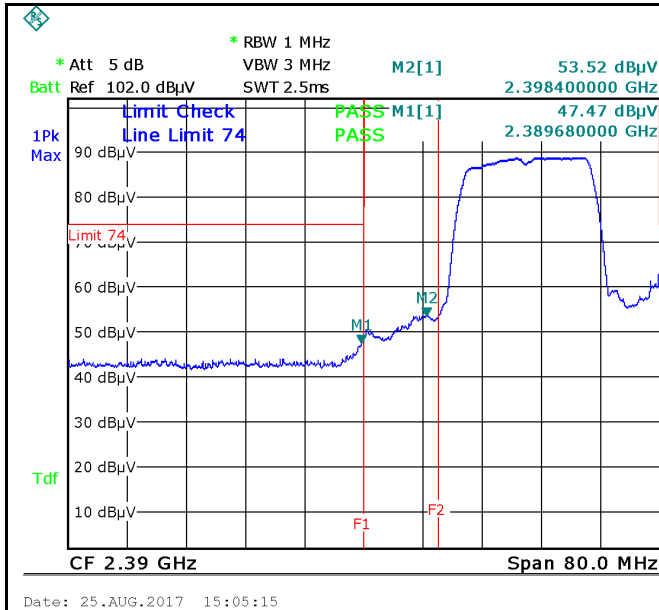


Band Edge, Left Side (Average) - 802.11g  
Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz

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

Band Edge, Right Side (Average) - 802.11g  
Note: F1 is frequency 2483.5MHz

Note: Both Horizontal and vertical polarities were investigated



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

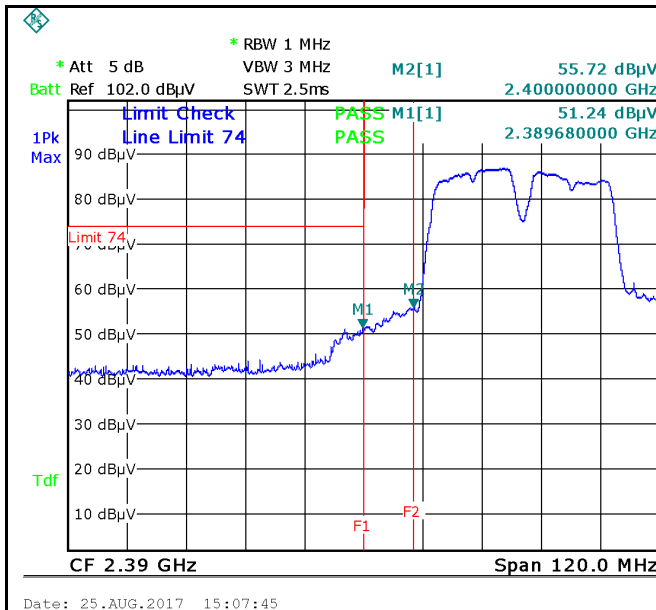
Note: (no need if PK value less than the AV limit)

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

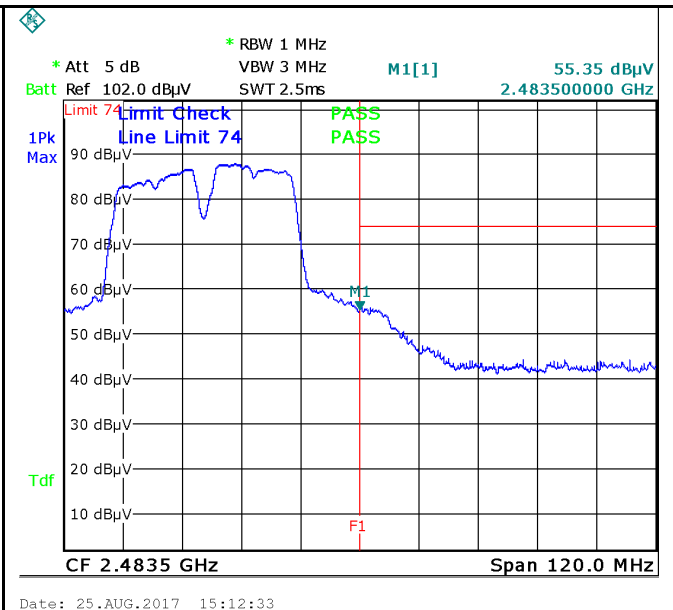
Band Edge, Left Side (Average) - 802.11n20  
 Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz

Band Edge, Right Side (Average) - 802.11n20  
 Note: F1 is frequency 2483.5MHz

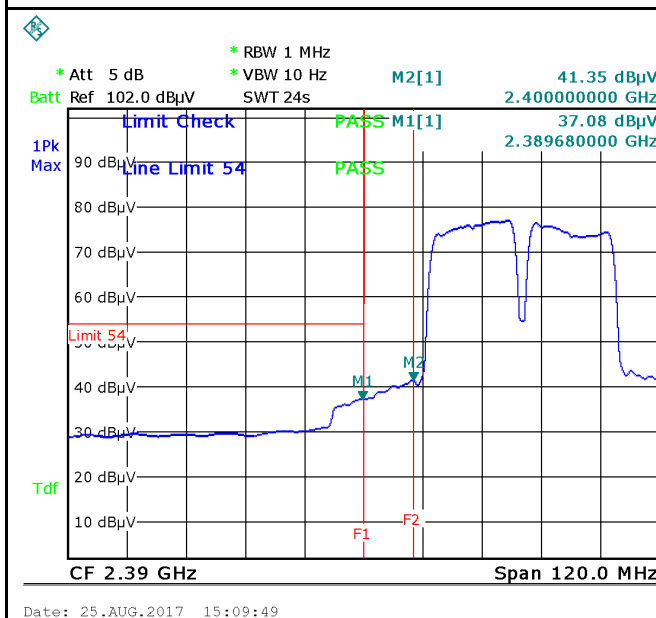
Note: Both Horizontal and vertical polarities were investigated



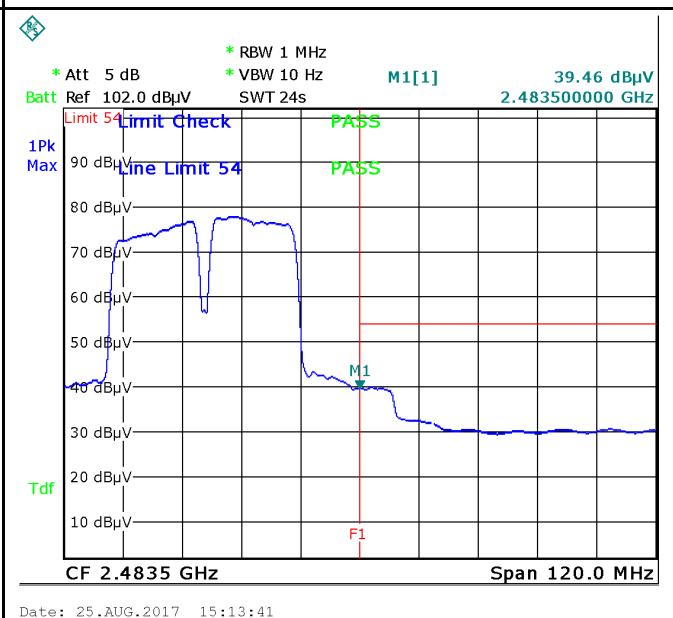
Band Edge, Left Side (Peak) - 802.11n40  
Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz



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

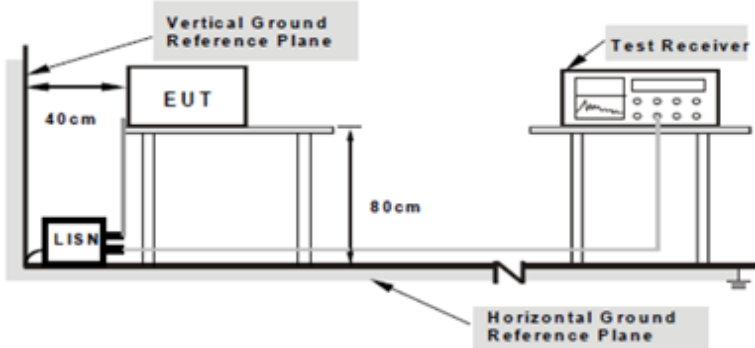
Note: Both Horizontal and vertical polarities were investigated

## 6.6 AC Power Line Conducted Emissions

Temperature	26 °C
Relative Humidity	57%
Atmospheric Pressure	1025mbar
Test date :	August 25, 2017
Tested By :	Loren Luo

### Requirement(s):

Spec	Item	Requirement	Applicable														
47CFR§15.207, RSS210 (A8.1)	a)	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.	<div><input checked="" type="checkbox"/></div>														
		<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>		Frequency ranges (MHz)	Limit (dBµV)		QP	Average	0.15 ~ 0.5	66 – 56	56 – 46	0.5 ~ 5	56	46	5 ~ 30	60	50
		Frequency ranges (MHz)			Limit (dBµV)												
				QP	Average												
		0.15 ~ 0.5		66 – 56	56 – 46												
		0.5 ~ 5		56	46												
5 ~ 30	60	50															

Test Setup	 <p>The diagram illustrates the test setup. An Equipment Under Test (EUT) is placed on a table. To its left, a Line Impedance Stabilization Network (LISN) is connected to the power line. A Vertical Ground Reference Plane is indicated at a distance of 40 cm from the EUT. A Test Receiver is positioned to the right of the EUT. A Horizontal Ground Reference Plane is shown at a distance of 80 cm from the EUT. A note specifies: 'Note: 1. Support units were connected to second LISN. 2. Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.'</p>
------------	---

Procedure	<ol style="list-style-type: none"> <li>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.</li> <li>The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains.</li> <li>The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss</li> </ol>
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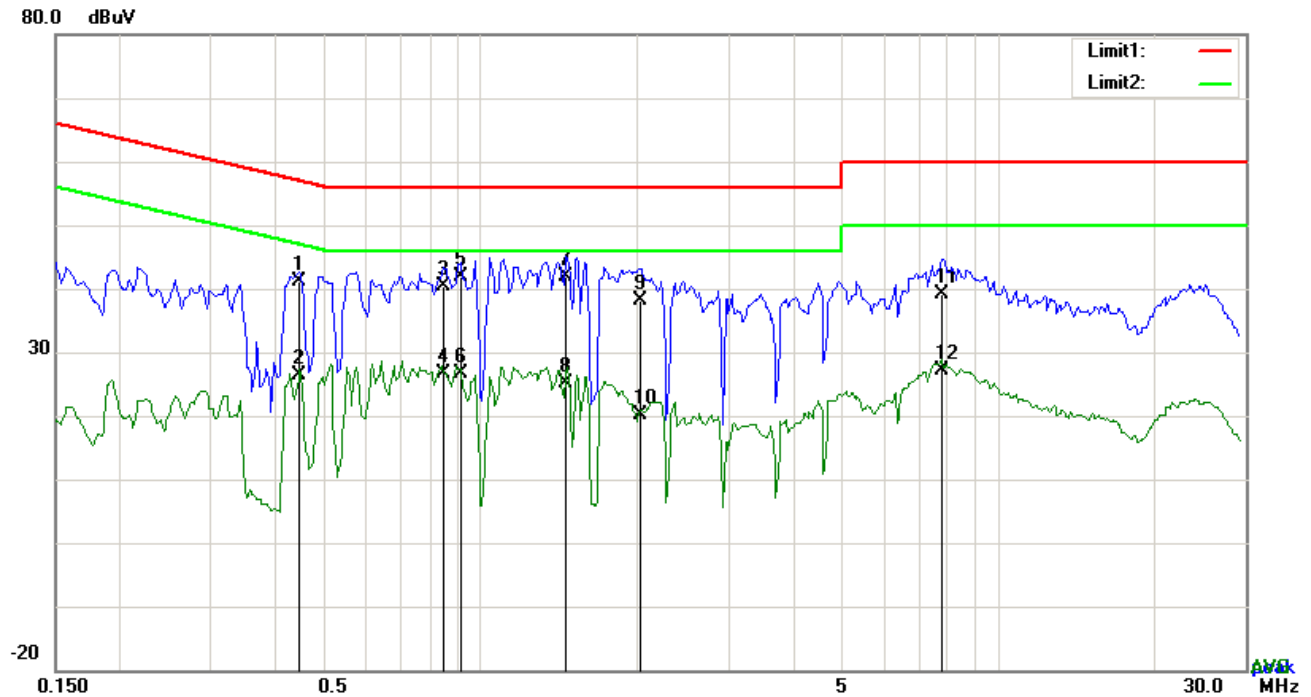
	<p>coaxial cable.</p> <ol style="list-style-type: none"> <li>4. All other supporting equipment were powered separately from another main supply.</li> <li>5. The EUT was switched on and allowed to warm up to its normal operating condition.</li> <li>6. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) over the required frequency range using an EMI test receiver.</li> <li>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.</li> <li>8. Step 7 was then repeated for the LIVE line (for AC mains) or DC line (for DC power).</li> </ol>
Remark	
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data ☒ Yes ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A



**Test Mode:** Transmitting Mode

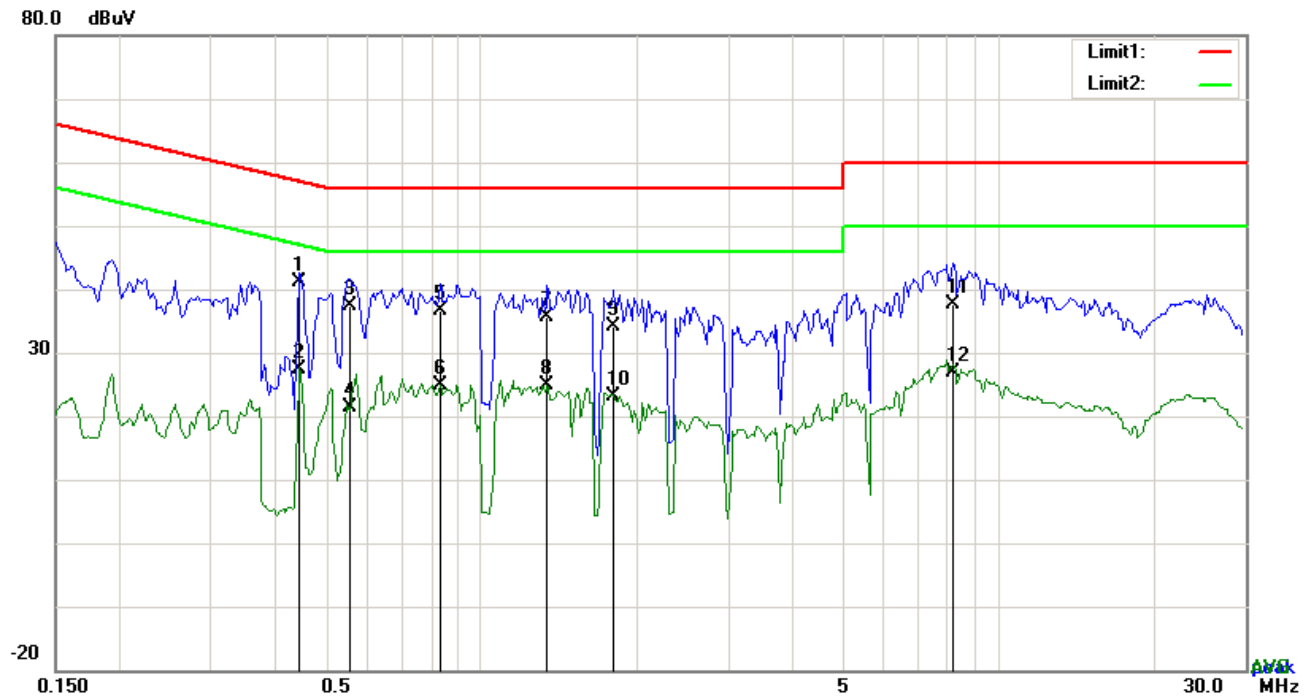


### Test Data

#### Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)
1	L1	0.4464	31.14	QP	10.03	41.17	56.94	-15.77
2	L1	0.4464	16.26	AVG	10.03	26.29	46.94	-20.65
3	L1	0.8481	30.33	QP	10.03	40.36	56.00	-15.64
4	L1	0.8481	16.71	AVG	10.03	26.74	46.00	-19.26
5	L1	0.9144	31.80	QP	10.03	41.83	56.00	-14.17
6	L1	0.9144	16.54	AVG	10.03	26.57	46.00	-19.43
7	L1	1.4487	31.81	QP	10.04	41.85	56.00	-14.15
8	L1	1.4487	15.21	AVG	10.04	25.25	46.00	-20.75
9	L1	2.0298	28.04	QP	10.04	38.08	56.00	-17.92
10	L1	2.0298	10.06	AVG	10.04	20.10	46.00	-25.90
11	L1	7.7463	28.94	QP	10.12	39.06	60.00	-20.94
12	L1	7.7463	16.99	AVG	10.12	27.11	50.00	-22.89

**Test Mode:** Transmitting Mode

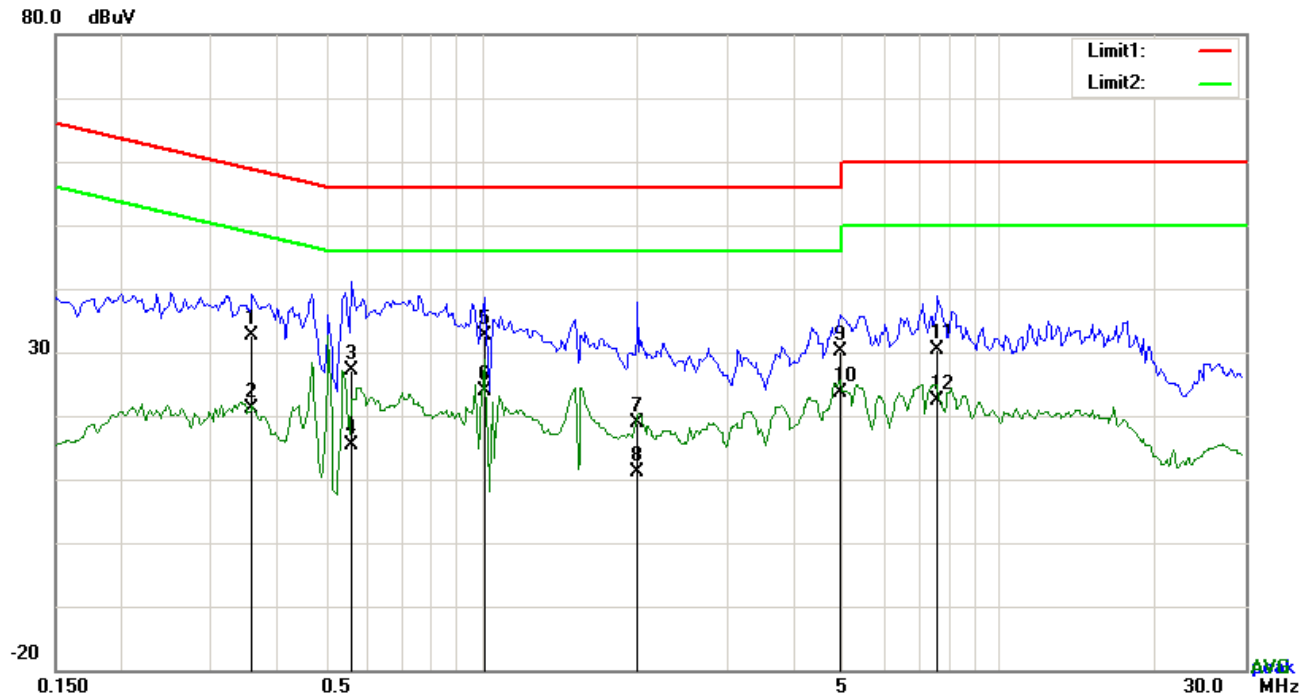


### Test Data

### Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)
1	N	0.4464	30.99	QP	10.02	41.01	56.94	-15.93
2	N	0.4464	17.30	AVG	10.02	27.32	46.94	-19.62
3	N	0.5556	27.38	QP	10.02	37.40	56.00	-18.60
4	N	0.5556	11.31	AVG	10.02	21.33	46.00	-24.67
5	N	0.8325	26.54	QP	10.03	36.57	56.00	-19.43
6	N	0.8325	14.84	AVG	10.03	24.87	46.00	-21.13
7	N	1.3434	25.56	QP	10.03	35.59	56.00	-20.41
8	N	1.3434	14.74	AVG	10.03	24.77	46.00	-21.23
9	N	1.7919	24.11	QP	10.04	34.15	56.00	-21.85
10	N	1.7919	13.03	AVG	10.04	23.07	46.00	-22.93
11	N	8.1831	27.52	QP	10.11	37.63	60.00	-22.37
12	N	8.1831	16.77	AVG	10.11	26.88	50.00	-23.12

**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	0.3606	22.53	QP	10.03	32.56	58.71	-26.15
2	L1	0.3606	11.00	AVG	10.03	21.03	48.71	-27.68
3	L1	0.5595	17.12	QP	10.03	27.15	56.00	-28.85
4	L1	0.5595	5.35	AVG	10.03	15.38	46.00	-30.62
5	L1	1.0119	22.65	QP	10.03	32.68	56.00	-23.32
6	L1	1.0119	13.97	AVG	10.03	24.00	46.00	-22.00
7	L1	2.0025	8.86	QP	10.04	18.90	56.00	-37.10
8	L1	2.0025	1.21	AVG	10.04	11.25	46.00	-34.75
9	L1	4.9344	20.09	QP	10.08	30.17	56.00	-25.83
10	L1	4.9344	13.60	AVG	10.08	23.68	46.00	-22.32
11	L1	7.6410	20.24	QP	10.12	30.36	60.00	-29.64
12	L1	7.6410	12.34	AVG	10.12	22.46	50.00	-27.54

**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	0.5673	31.33	QP	10.02	41.35	56.00	-14.65
2	N	0.5673	25.28	AVG	10.02	35.30	46.00	-10.70
3	N	0.6921	30.76	QP	10.02	40.78	56.00	-15.22
4	N	0.6921	21.90	AVG	10.02	31.92	46.00	-14.08
5	N	1.0080	33.40	QP	10.03	43.43	56.00	-12.57
6	N	1.0080	26.26	AVG	10.03	36.29	46.00	-9.71
7	N	1.5111	32.66	QP	10.04	42.70	56.00	-13.30
8	N	1.5111	25.77	AVG	10.04	35.81	46.00	-10.19
9	N	1.8894	29.01	QP	10.04	39.05	56.00	-16.95
10	N	1.8894	20.09	AVG	10.04	30.13	46.00	-15.87
11	N	5.1021	29.49	QP	10.07	39.56	60.00	-20.44
12	N	5.1021	20.76	AVG	10.07	30.83	50.00	-19.17

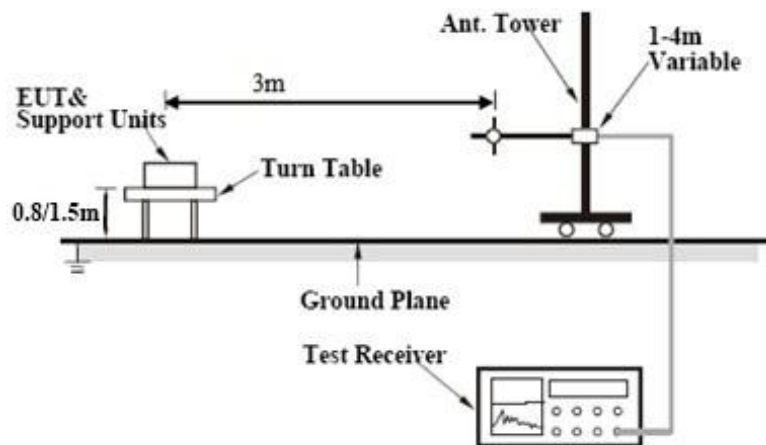
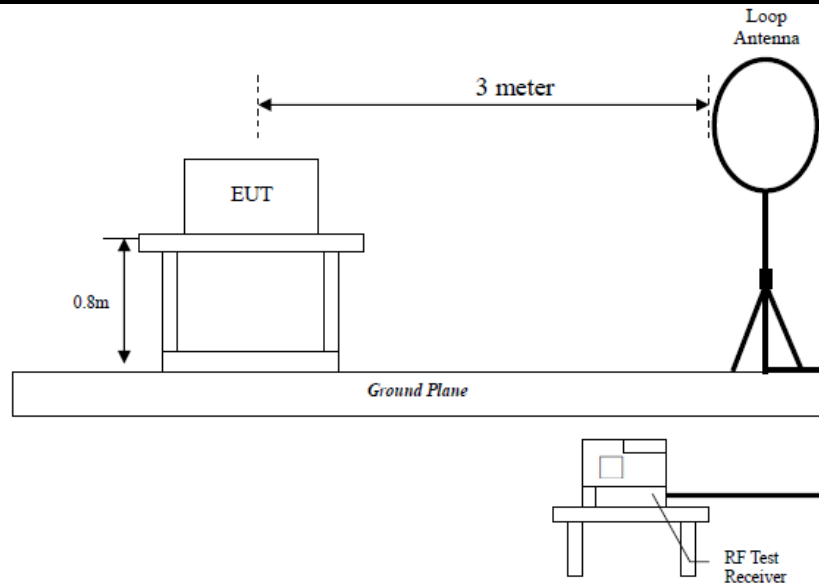
## 6.7 Radiated Spurious Emissions & Restricted Band

Temperature	25 °C
Relative Humidity	50%
Atmospheric Pressure	1008mbar
Test date :	August 08, 2017
Tested By :	Loren Luo

### Requirement(s):

Spec	Item	Requirement	Applicable																
47CFR§15.247(d), RSS210 (A8.5)	a)	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	<input checked="" type="checkbox"/>																
		<table><tr><th>Frequency range (MHz)</th><th>Field Strength (μV/m)</th></tr><tr><td>0.009~0.490</td><td>2400/F(KHz)</td></tr><tr><td>0.490~1.705</td><td>24000/F(KHz)</td></tr><tr><td>1.705~30.0</td><td>30</td></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>		Frequency range (MHz)	Field Strength (μV/m)	0.009~0.490	2400/F(KHz)	0.490~1.705	24000/F(KHz)	1.705~30.0	30	30 – 88	100	88 – 216	150	216 960	200	Above 960	500
		Frequency range (MHz)		Field Strength (μV/m)															
		0.009~0.490		2400/F(KHz)															
		0.490~1.705		24000/F(KHz)															
		1.705~30.0		30															
		30 – 88		100															
		88 – 216		150															
		216 960		200															
	Above 960	500																	
b)	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 <input checked="" type="checkbox"/> 20 dB down <input type="checkbox"/> 30 dB down	<input checked="" type="checkbox"/>																	
	c)		or restricted band, emission must also comply with the radiated emission limits specified in 15.209	<input checked="" type="checkbox"/>															

## Test Setup



## Procedure

- The EUT was switched on and allowed to warm up to its normal operating condition.
- 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:
  - Vertical or horizontal polarization (whichever gave the higher emission level over a full rotation of the EUT) was chosen.
  - The EUT was then rotated to the direction that gave the maximum emission.
  - Finally, the antenna height was adjusted to the height that gave the maximum emission.
- The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi Peak detection at frequency below 1GHz.
- 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.

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	<p>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.</p> <p>5. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.</p>
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 – HT20-2437MHz mode.
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data ☒ Yes ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A

## Test Result:

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

Frequency range: 9KHz - 30MHz

Freq.	Detection	Factor	Reading	Result	Limit@3m	Margin
(MHz)	value	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)
--	--	--	--	--	--	>20
--	--	--	--	--	--	>20

### Note:

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

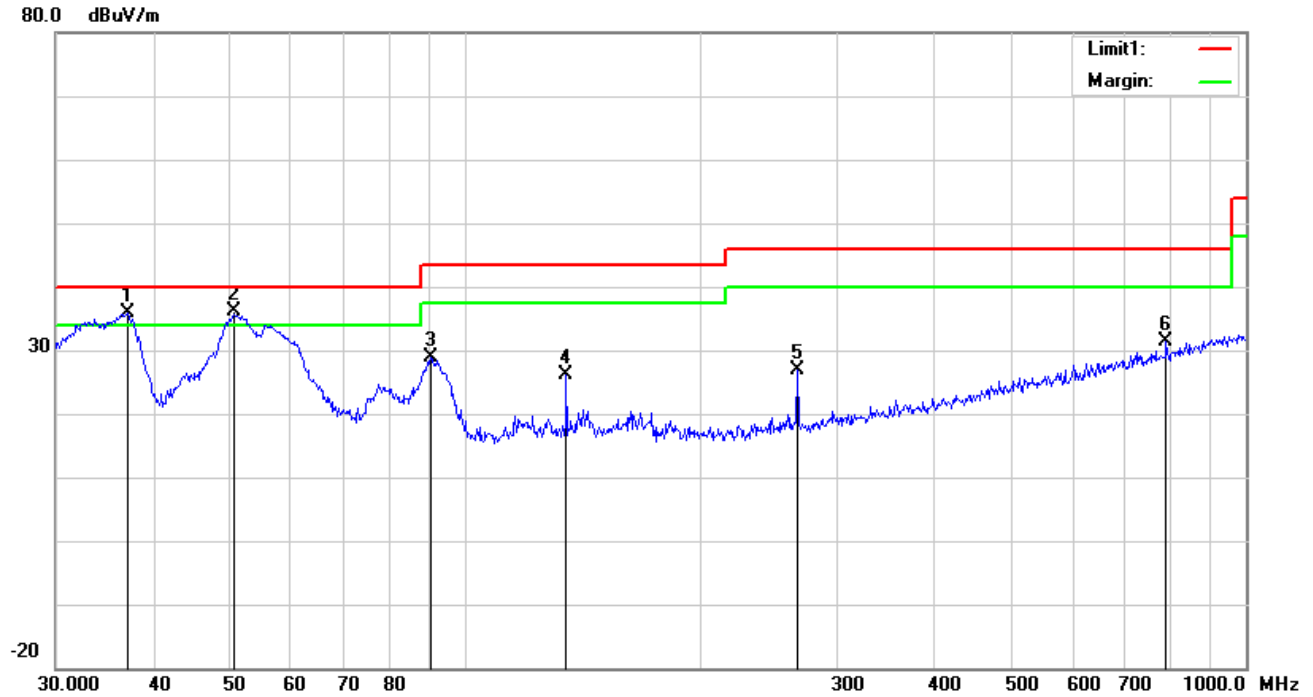
Distance extrapolation factor =  $40 \log (\text{specific distance}/\text{test distance})$ (dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.



**Test Mode:** Transmitting Mode

**30MHz -1GHz**

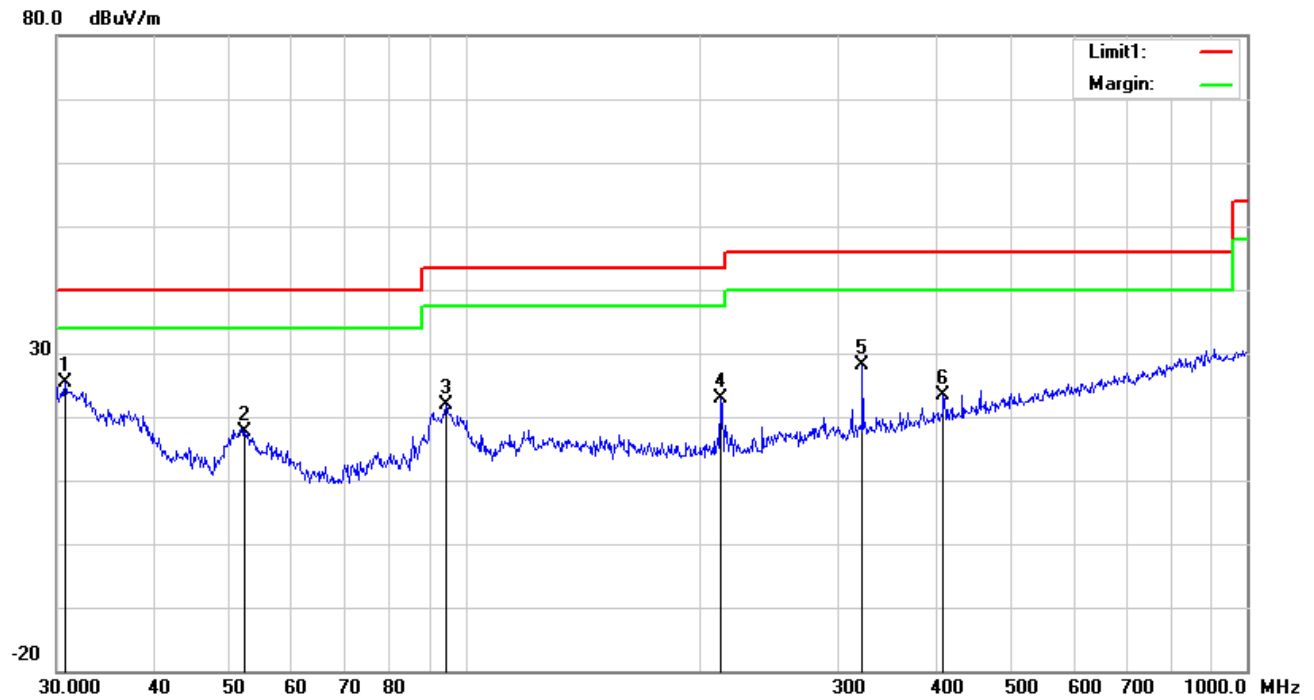


**Test Data**

**Vertical Polarity Plot @3m**

No.	P/L	Frequency	Reading	Detect or	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degr ee
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( ° )
1	V	37.1550	41.47	QP	15.98	22.26	0.77	35.96	40.00	-4.04	100	12
2	V	50.7637	49.45	QP	8.32	22.38	0.80	36.19	40.00	-3.81	100	44
3	V	90.5374	42.00	peak	8.13	22.32	0.95	28.76	43.50	-14.74	100	260
4	V	135.0319	34.42	peak	12.92	22.40	1.24	26.18	43.50	-17.32	100	104
5	V	266.6089	35.37	peak	12.13	22.29	1.73	26.94	46.00	-19.06	100	152
6	V	790.6188	28.41	peak	21.29	21.17	2.94	31.47	46.00	-14.53	100	37

## 30MHz -1GHz



*Test Data*

### Horizontal Polarity Plot @3m

N o.	P/ L	Frequency (MHz)	Reading (dBuV/m )	Detect or	Ant_F (dB/m)	PA_G (dB)	Cab_L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degr ee ( )
1	H	30.7455	26.11	peak	20.83	22.28	0.64	25.30	40.00	-14.70	100	178
2	H	52.2079	31.01	peak	8.16	22.39	0.79	17.57	40.00	-22.43	200	78
3	H	94.4284	34.15	peak	9.06	22.32	0.99	21.88	43.50	-21.62	100	155
4	H	212.2695	31.76	peak	11.93	22.36	1.58	22.91	43.50	-20.59	100	192
5	H	322.1886	34.49	peak	14.07	22.23	1.90	28.23	46.00	-17.77	100	333
6	H	408.9460	27.34	peak	15.88	21.99	2.03	23.26	46.00	-22.74	100	333

## Above 1GHz

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

### Low Channel (2412 MHz) (b 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	43.16	AV	V	33.39	7.22	48.46	35.31	54	-18.69
4824	42.45	AV	H	33.39	7.22	48.46	34.6	54	-19.4
4824	59.17	PK	V	33.39	7.22	48.46	51.32	74	-22.68
4824	57.63	PK	H	33.39	7.22	48.46	49.78	74	-24.22
5426	38.71	AV	V	34.17	8.99	48.36	33.51	54	-20.49
5426	36.95	AV	H	34.17	8.99	48.36	31.75	54	-22.25
5426	54.33	PK	V	34.17	8.99	48.36	49.13	74	-24.87
5426	53.24	PK	H	34.17	8.99	48.36	48.04	74	-25.96

### Middle Channel (2437 MHz) (b 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	46.29	AV	V	33.62	7.53	48.36	39.08	54	-14.92
4874	45.37	AV	H	33.62	7.53	48.36	38.16	54	-15.84
4874	56.82	PK	V	33.62	7.53	48.36	49.61	74	-24.39
4874	55.91	PK	H	33.62	7.53	48.36	48.7	74	-25.3
11497	35.46	AV	V	39.93	12.47	46.83	41.03	54	-12.97
11497	34.29	AV	H	39.93	12.47	46.83	39.86	54	-14.14
11497	52.13	PK	V	39.93	12.47	46.83	57.7	74	-16.3
11497	50.26	PK	H	39.93	12.47	46.83	55.83	74	-18.17

**High Channel (2462 MHz) (b 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	47.33	AV	V	33.74	7.78	48.34	40.51	54	-13.49
4924	45.12	AV	H	33.74	7.78	48.34	38.3	54	-15.7
4924	58.34	PK	V	33.74	7.78	48.34	51.52	74	-22.48
4924	56.16	PK	H	33.74	7.78	48.34	49.34	74	-24.66
17922	20.15	AV	V	43.21	19.44	44.4	38.4	54	-15.6
17922	18.74	AV	H	43.21	19.44	44.4	36.99	54	-17.01
17922	38.29	PK	V	43.21	19.44	44.4	56.54	74	-17.46
17922	36.21	PK	H	43.21	19.44	44.4	54.46	74	-19.54

**Note:**

- 1, The testing has been conformed to  $10 \times 2462 \text{ MHz} = 24,620 \text{ MHz}$
- 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.
- 4, The radiated spurious test above 18GHz is subcontracted to SIEMIC (Nanjing-China) Laboratories. and found 30dB below the limit at least.

## Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
<b>AC Line Conducted</b>					
EMI test receiver	ESCS30	8471241027	09/16/2016	09/15/2017	<input checked="" type="checkbox"/>
Line Impedance	LI-125A	191106	09/24/2016	09/23/2017	<input checked="" type="checkbox"/>
Line Impedance	LI-125A	191107	09/24/2016	09/23/2017	<input checked="" type="checkbox"/>
ISN	ISN T800	34373	09/24/2016	09/23/2017	<input type="checkbox"/>
Transient Limiter	LIT-153	531118	08/31/2016	08/30/2017	<input checked="" type="checkbox"/>
<b>RF conducted test</b>					
Agilent ESA-E SERIES	E4407B	MY45108319	09/16/2016	09/15/2017	<input checked="" type="checkbox"/>
Power Splitter	1#	1#	08/31/2016	08/30/2017	<input checked="" type="checkbox"/>
DC Power Supply	E3640A	MY40004013	09/16/2016	09/15/2017	<input checked="" type="checkbox"/>
<b>Radiated Emissions</b>					
EMI test receiver	ESL6	100262	09/16/2016	09/15/2017	<input checked="" type="checkbox"/>
Positioning Controller	UC3000	MF780208282	11/18/2016	11/17/2017	<input checked="" type="checkbox"/>
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	08/31/2016	08/30/2017	<input checked="" type="checkbox"/>
Horn Antenna	BBHA9170	3145226D1	09/28/2016	09/27/2017	<input checked="" type="checkbox"/>
Microwave Preamplifier (1 ~ 26.5GHz)	8449B	3008A02402	03/23/2017	03/22/2018	<input checked="" type="checkbox"/>
Active Antenna (9kHz-30MHz)	AL-130	121031	10/13/2016	10/12/2017	<input checked="" type="checkbox"/>
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/20/2016	09/19/2017	<input checked="" type="checkbox"/>
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/23/2016	09/22/2017	<input checked="" type="checkbox"/>
Universal Radio Communication Tester	CMU200	121393	09/24/2016	09/23/2017	<input checked="" type="checkbox"/>

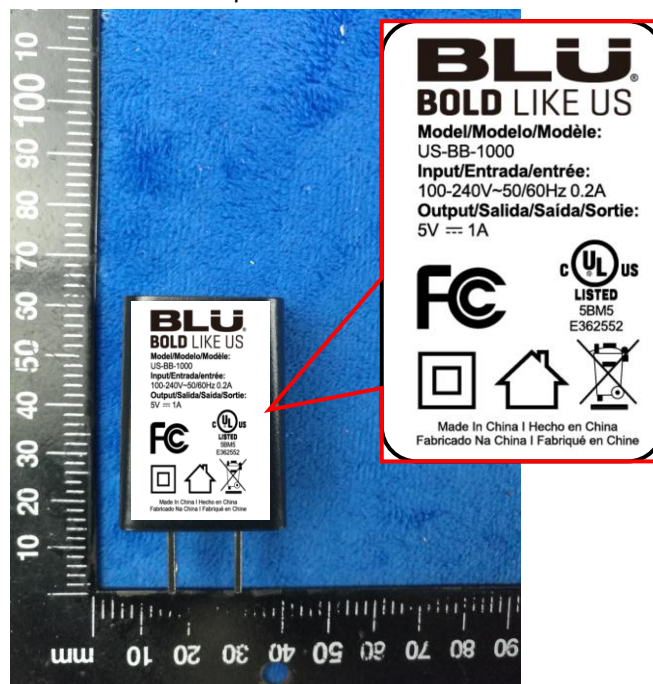
## Annex B. EUT and Test Setup Photographs

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

Whole Package View



Adapter View





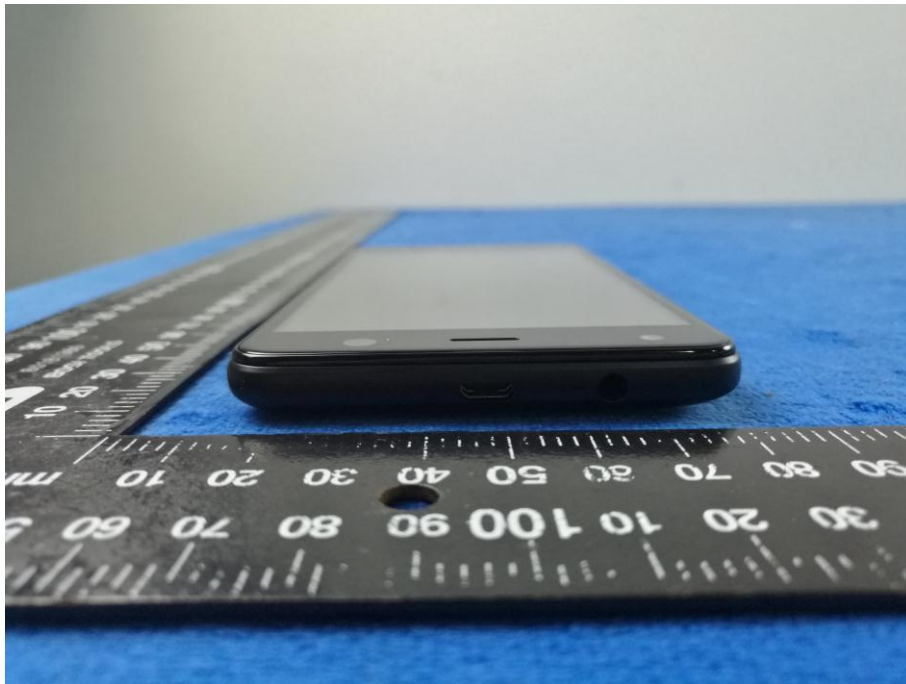
EUT - Front View



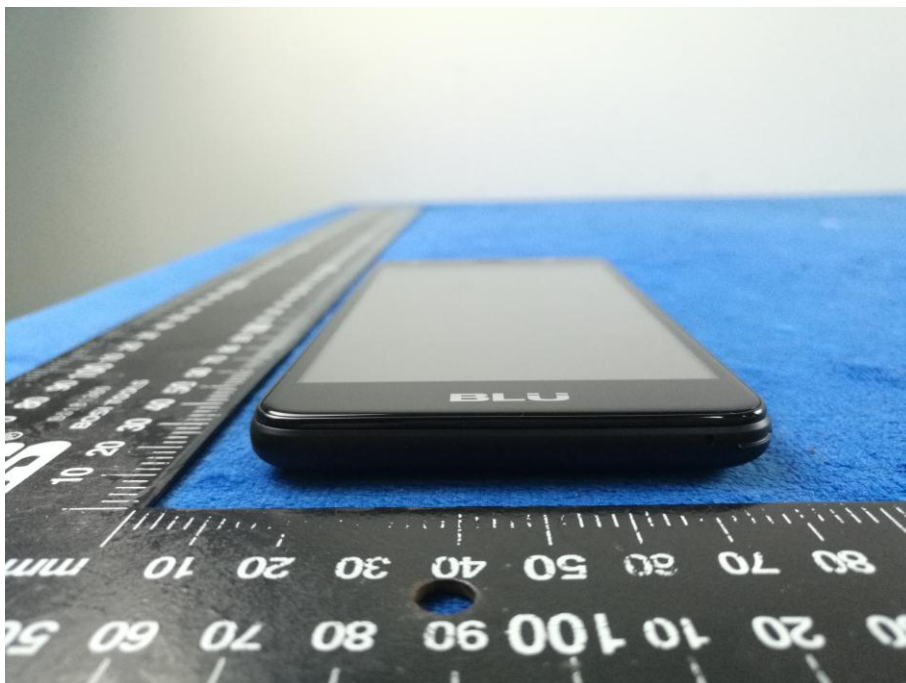
EUT - Rear View



EUT - Top View

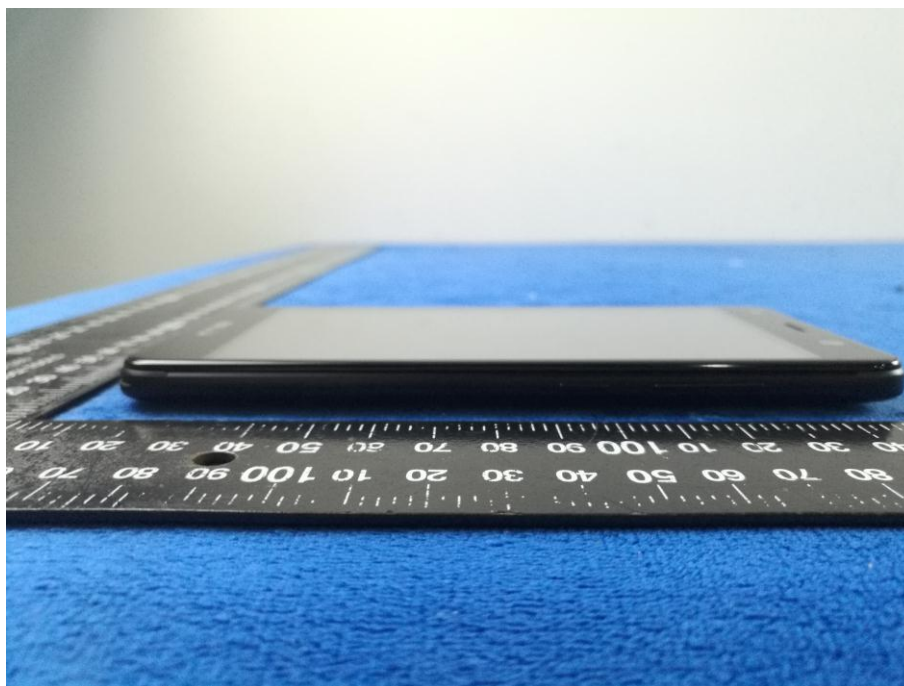


EUT - Bottom View

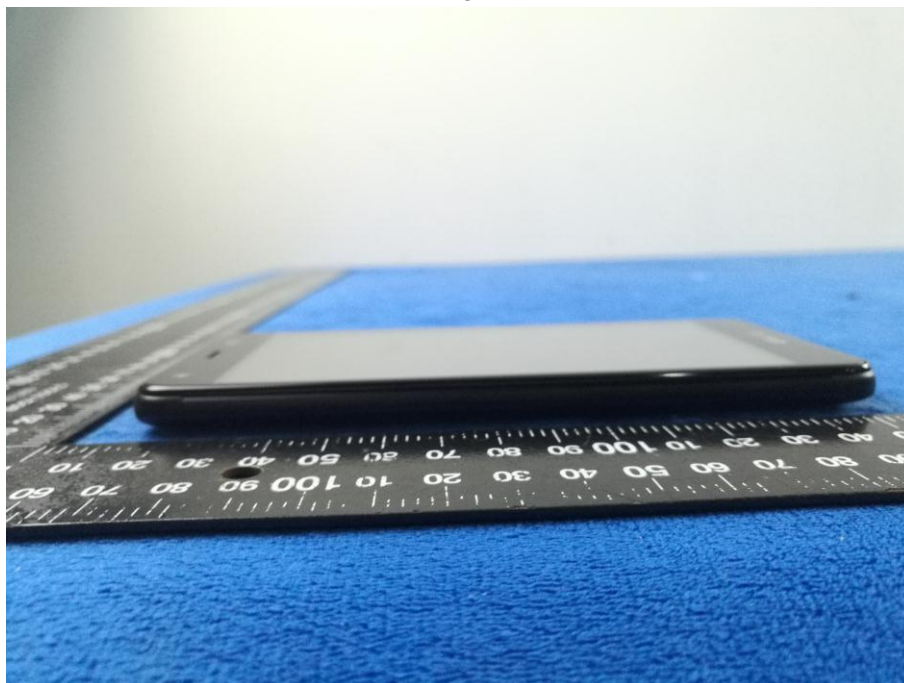




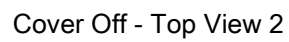
EUT - Left View



EUT - Right View



### Cover Off - Top View 1

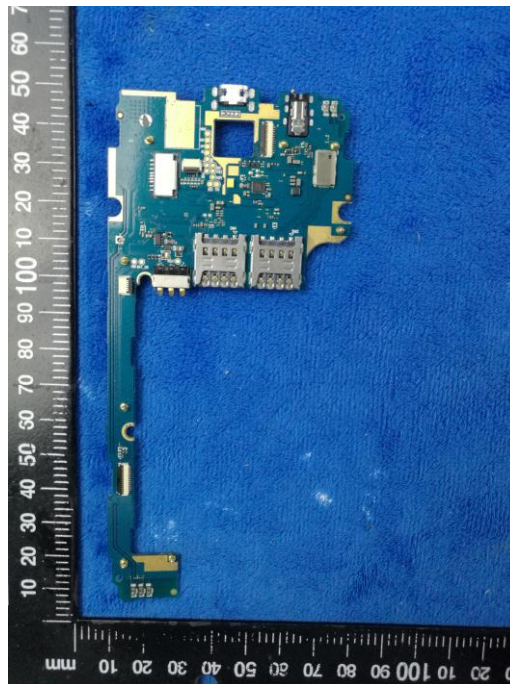


A black BLU Bold Like Us smartphone is shown from the front, lying flat on a blue textured surface. The phone has a white front bezel and a black screen displaying the text "BLU" in large white letters, with "BOLD LIKE US" in smaller white letters below it. The phone is positioned next to a ruler that shows measurements in millimeters and centimeters. The ruler is placed vertically on the left side of the phone, and another ruler is placed horizontally at the bottom of the phone. The background is a blue textured surface.

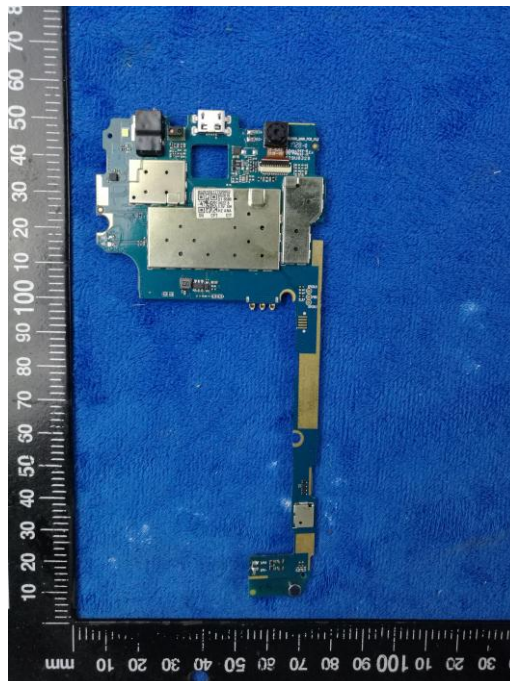
A photograph of a BLU C745343205L battery. The battery is black with white text and symbols. It is placed next to a ruler for scale. The ruler shows centimeters from 0 to 10 on the left and millimeters from 0 to 100 on the right. The battery's label includes the following information:  
**BLU**  
BOLD LIKE US  
C745343205L  
2 050 mAh | 7.79 Wh  
3.8V=L-ion BATTERY | 3.8V=L-ion BATERIA  
3.8V=L-ion BATERIA | 3.8V=L-ion BATTERIE  
Below the text are several icons: a 'NOM' logo, a 'NYCE' logo, a recycling symbol, and a crossed-out trash can. Below these are six crossed-out symbols: a battery, a flame, a sun, a snowflake, a crossed-out battery, and a crossed-out battery. At the bottom is a barcode with the text 'S/N XXXAMMY1234567' and 'Made in China | Hecho en China' and 'Fabricado en China | Fabriqué en Chine'.



Mainboard with Shielding - Front View



Mainboard with Shielding - Rear View



Mainboard without Shielding - Rear View



LCD - Front View

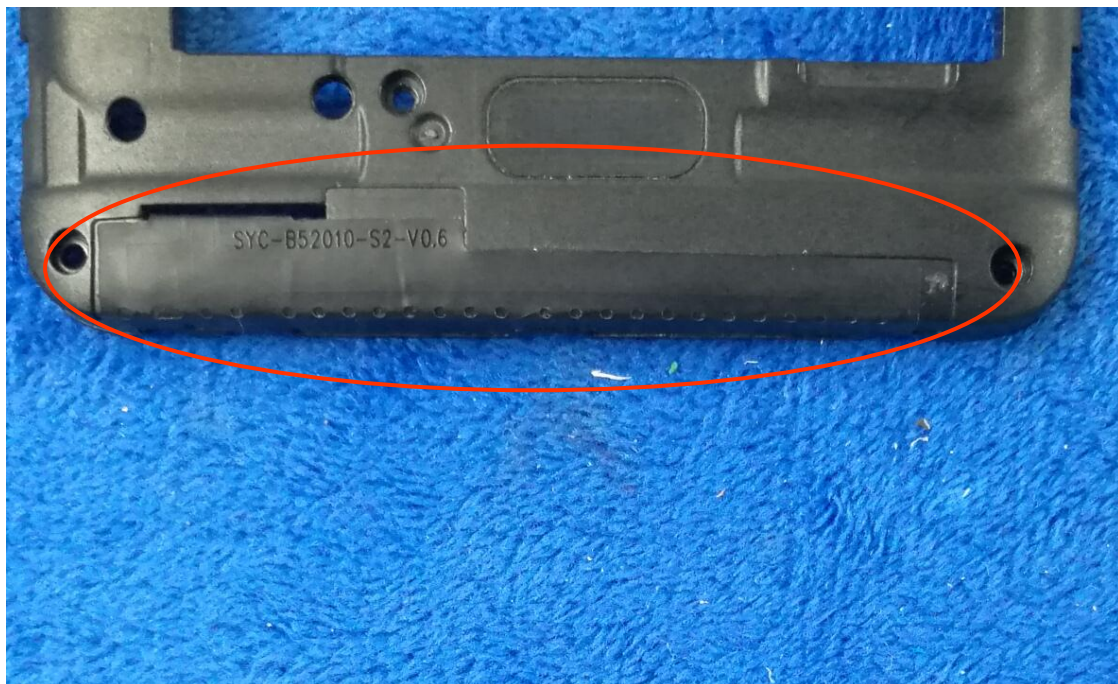




LCD – Rear View



GSM/PCS/UMTS-FDD - Antenna View



WIFI/BT/BLE/GPS - Antenna View



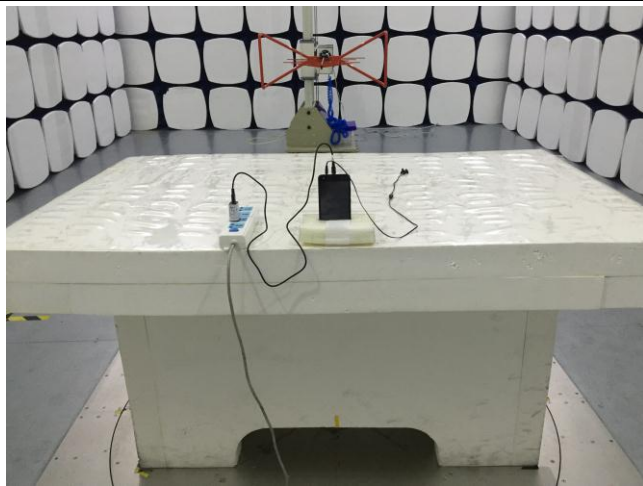
### Annex B.iii. Photograph: Test Setup Photo



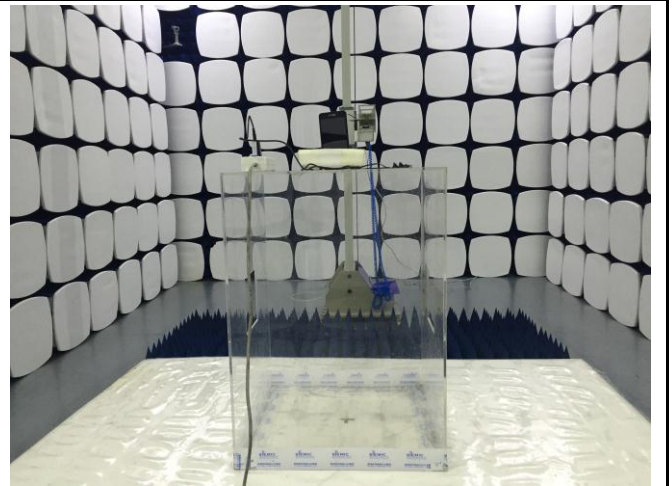
Conducted Emissions Test Setup Front View



Conducted Emissions Test Setup Side View



Radiated Spurious Emissions Test Setup Below 1GHz



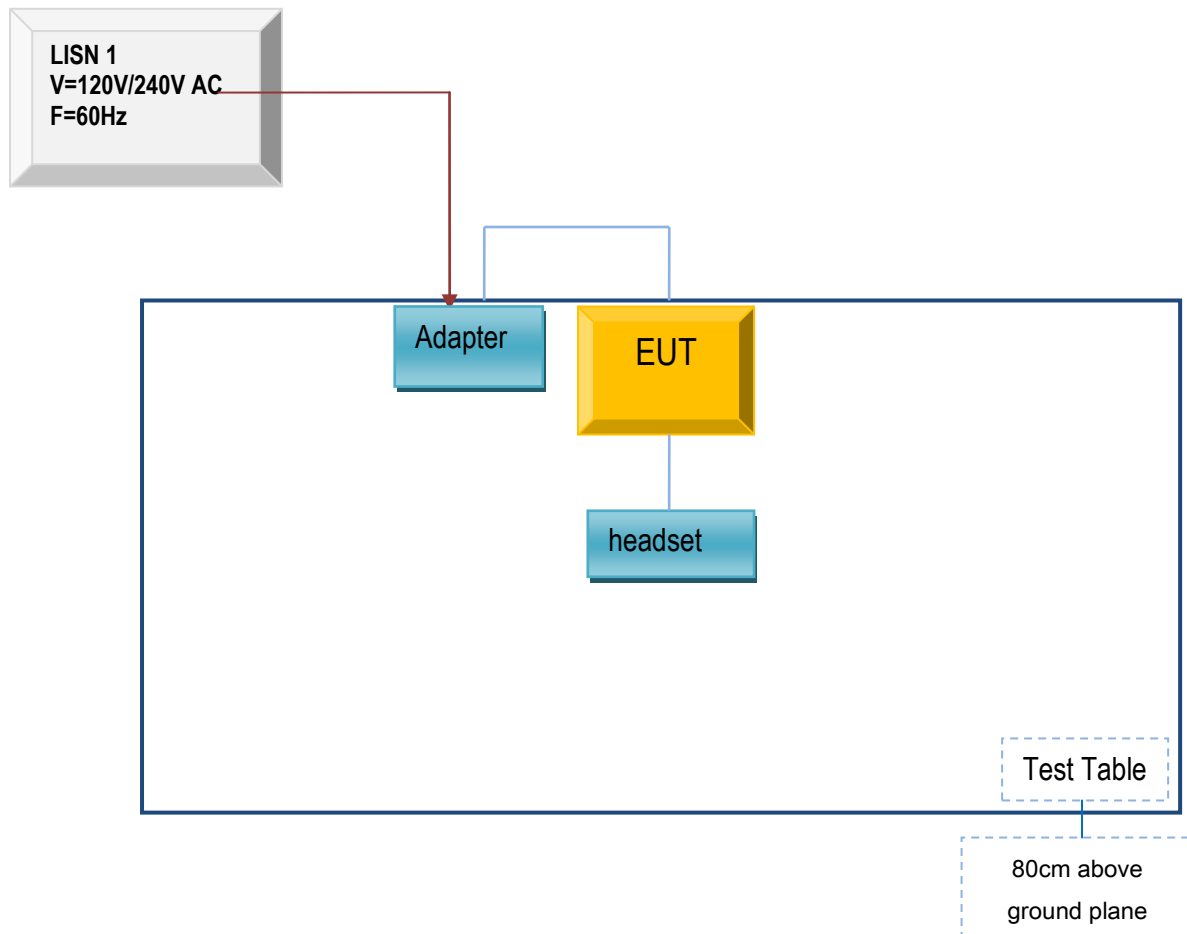
Radiated Spurious Emissions Test Setup Above  
1GHz



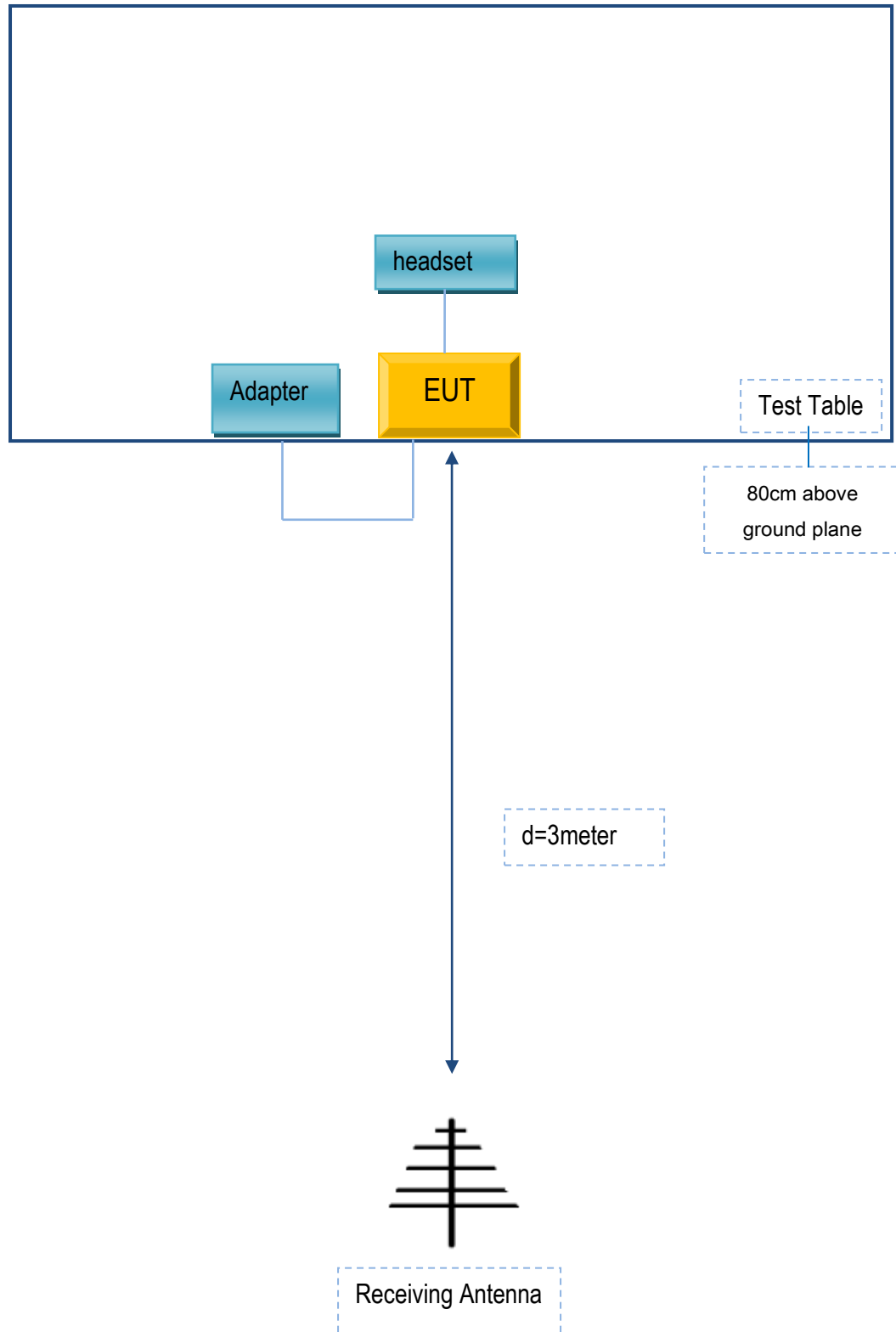
## Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

### Annex C.ii. TEST SET UP BLOCK

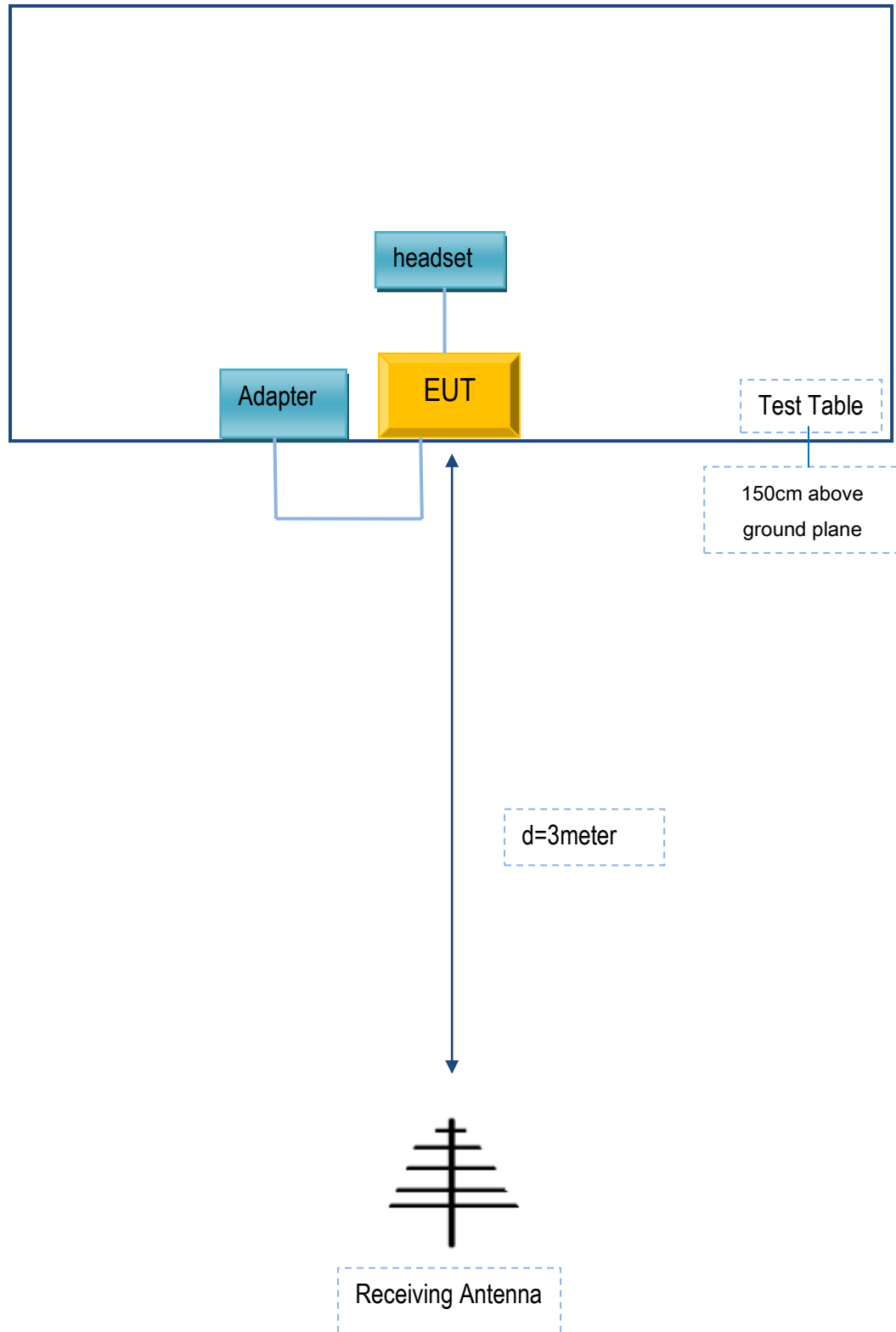
#### Block Configuration Diagram for AC Line Conducted Emissions



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



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



## **Annex C. ii. 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
BLU Products, Inc.	Adapter	US-BB-1000	N/A
SAMSUNG	headset	HS330	N/A

### **Supporting Cable:**

Cable type	Shield Type	Ferrite Core	Length	Serial No
Power Cable	Un-shielding	No	0.8m	N/A

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

Please see the attachment

## Annex E. DECLARATION OF SIMILARITY

N/A