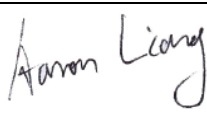
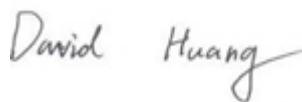



# RF TEST REPORT



Report No.: Q181101S008-FCC-R2

Supersede Report No.: N/A

Applicant	Cedar Kingdom Corporation Limited	
Product Name	Mobile Phone	
Model No.	V501C	
Serial No.	N/A	
Test Standard	FCC Part 15.247, ANSI C63.10: 2013	
Test Date	November 06 to 25, 2018	
Issue Date	December 03, 2018	
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"/>	
		
Aaron Liang 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**

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](mailto: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

Test Report No.	Q181101S008-FCC-R2
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## 1. Report Revision History

Report No.	Report Version	Description	Issue Date
Q181101S008-FCC-R2	NONE	Original	December 03, 2018

## 2. Customer information

Applicant Name	Cedar Kingdom Corporation Limited
Applicant Add	11/F, AXA Centre 151 Gloucester Road, Wanchai, Hong Kong
Manufacturer	Cedar Kingdom Corporation Limited
Manufacturer Add	11/F, AXA Centre 151 Gloucester Road, Wanchai, Hong Kong

### 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	Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch Laboratories
Lab Address	No. 34, Chenwulu Section, Guantai Rd., Houjie Town, Dongguan City, Guangdong 523942, China
FCC Test Site No.	749762
IC Test Site No.	5936A-1
Test Software	ADT_Radiated_V7.6.15.9.2

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

## 4. Equipment under Test (EUT) Information

Description of EUT:	Mobile Phone
Main Model:	V501C
Serial Model:	N/A
Date EUT received:	November 11, 2018
Test Date(s):	November 06 to 25, 2018
Equipment Category :	DTS
Antenna Gain:	GSM850: -1.12dBi PCS1900: -1.45dBi UMTS-FDD Band V: -1.12dBi UMTS-FDD Band II: -1.45dBi WIFI: -2.03dBi Bluetooth/BLE: -2.06dBi GPS: -1.56dBi
Antenna Type:	PIFA Antenna
Type of Modulation:	GSM / GPRS: GMSK EGPRS: GMSK UMTS-FDD: QPSK 802.11b/g/n: DSSS, OFDM Bluetooth: GFSK, $\pi$ /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 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: 8.83 dBm  
 802.11g: 9.42 dBm  
 802.11n(20M): 9.42 dBm  
 802.11n(40M): 9.44 dBm

Number of Channels:

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

Port: Please refer to the user' s manual

Input Power:

Adapter :  
 Model: V-501C  
 Input: AC100-240V~50/60Hz,150mA  
 Output: DC 5.0V, 1A  
 Battery :  
 Model: V-501C  
 Spec: 3.8V, 2200mAh/8.36Wh  
 Limited charge voltage: 4.35

Trade Name : VIRZO

FCC ID: 2AKQUVZCKV501C



## 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 Bluetooth/BLE/WIF/GPS, the gain is -2.06dBi for Bluetooth/BLE, the gain is -2.03dBi for WIFI, the gain is -1.56dBi for GPS.

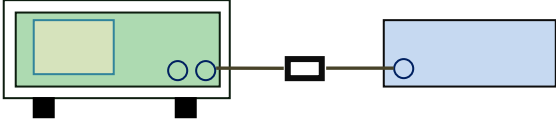
A permanently attached PIFA antenna for GSM/PCS/UMTS, the gain is -1.12dBi for GSM850, -1.45dBi for PCS1900, -1.12dBi for UMTS-FDD Band V, -1.45dBi for UMTS-FDD Band II.

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

**Result:** Compliance.

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

Temperature	25°C
Relative Humidity	57%
Atmospheric Pressure	1024mbar
Test date :	November 24, 2018
Tested By :	Aaron Liang

Spec	Item	Requirement	Applicable
§ 15.247(a)(2)	a)	6dB BW ≥ 500kHz;	<input checked="" type="checkbox"/>
RSS Gen(4.6.1)	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) ≥ 3 × 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) ≥ 3 x 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

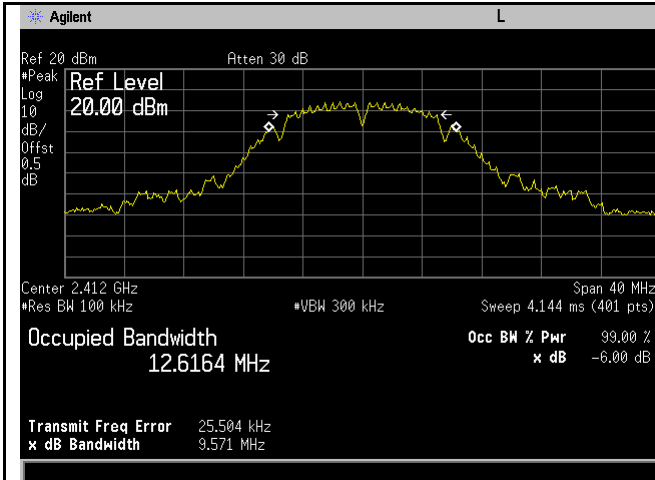
### Measurement result

Test mode	CH	Freq (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
802.11b	Low	2412	9.571	≥ 0.5
	Mid	2437	9.594	≥ 0.5
	High	2462	10.045	≥ 0.5
802.11g	Low	2412	15.370	≥ 0.5
	Mid	2437	16.241	≥ 0.5
	High	2462	15.103	≥ 0.5
802.11n (20M)	Low	2412	16.023	≥ 0.5
	Mid	2437	16.659	≥ 0.5
	High	2462	15.232	≥ 0.5
802.11n (40M)	Low	2422	35.370	≥ 0.5
	Mid	2437	35.424	≥ 0.5
	High	2452	35.360	≥ 0.5

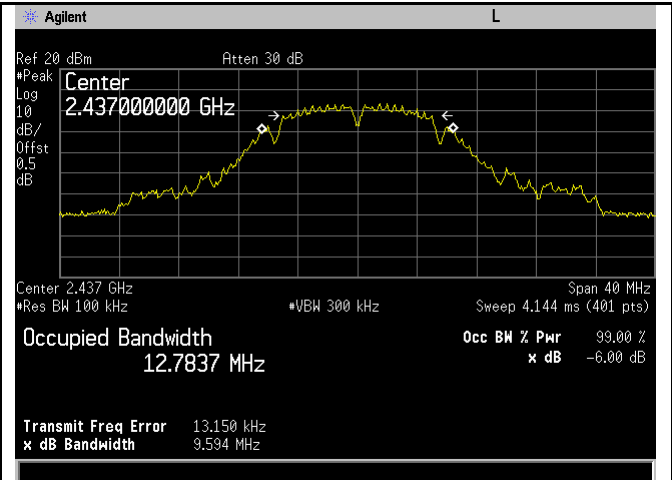
Test mode	CH	Freq (MHz)	20dB Bandwidth (MHz)
802.11b	Low	2412	14.427
	Mid	2437	14.851
	High	2462	15.279
802.11g	Low	2412	18.846
	Mid	2437	18.941
	High	2462	18.655
802.11n (20M)	Low	2412	19.277
	Mid	2437	19.417
	High	2462	19.580
802.11n (40M)	Low	2422	39.863
	Mid	2437	39.531
	High	2452	39.873

### Test Plots

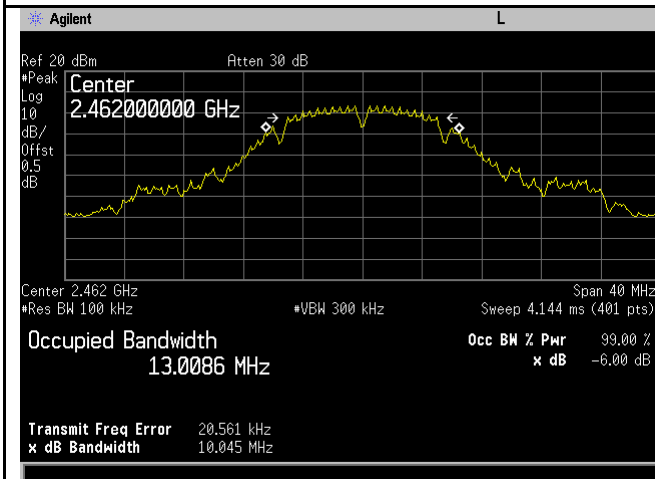
#### 6dB Bandwidth measurement result



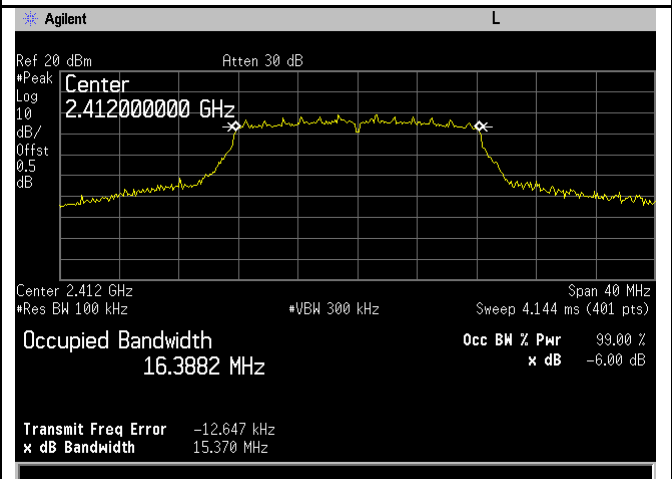
802.11b 6dB Bandwidth - Low CH 2412



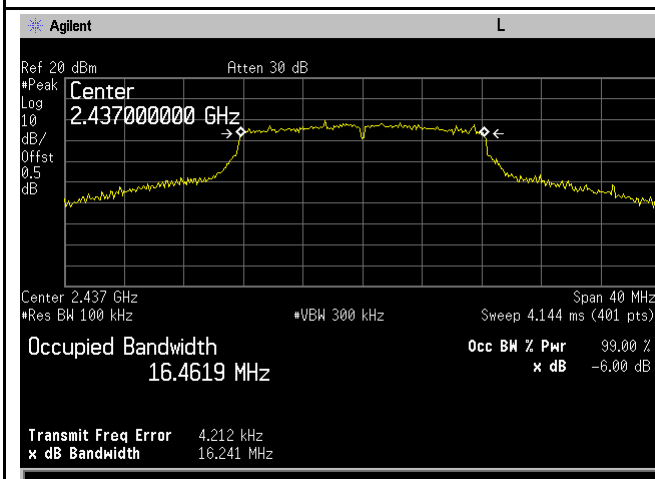
802.11b 6dB Bandwidth - Mid CH 2437



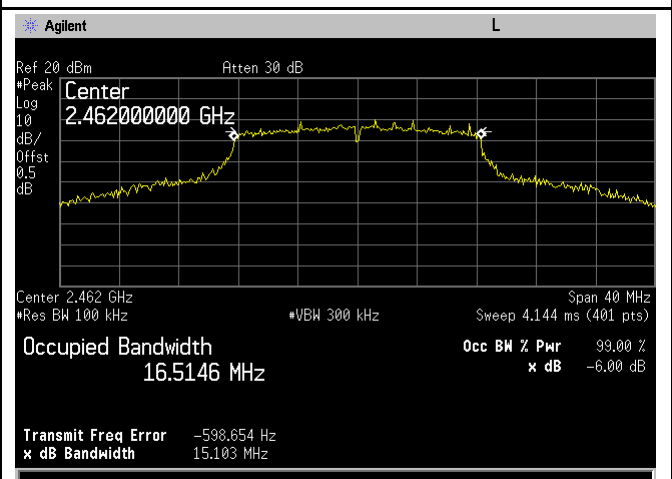
802.11b 6dB Bandwidth - High CH 2462



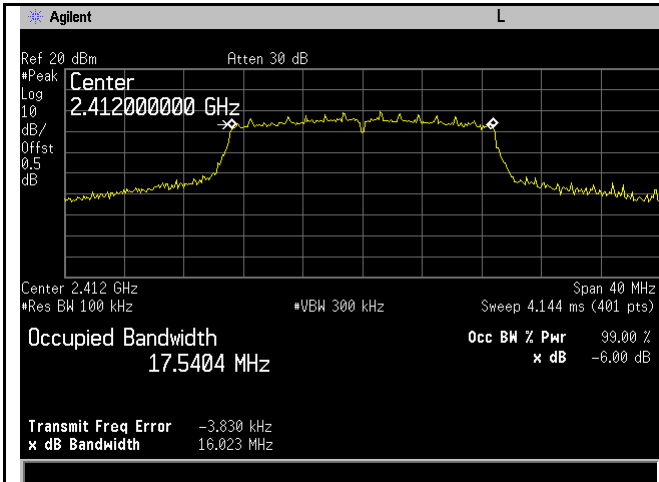
802.11g 6dB Bandwidth - Low CH 2412



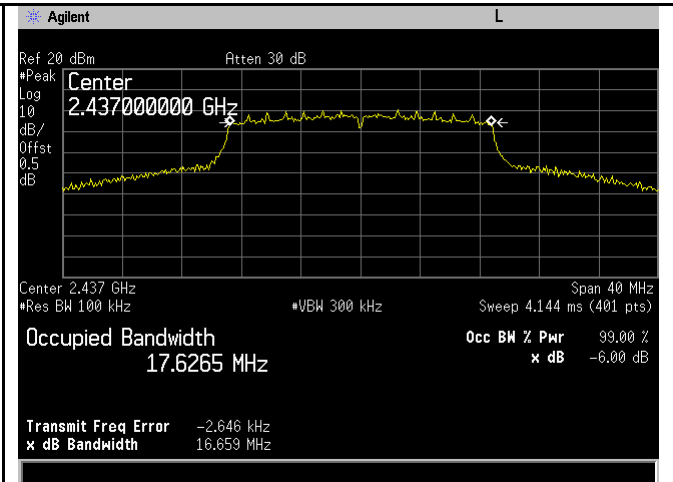
802.11g 6dB Bandwidth - Mid CH 2437



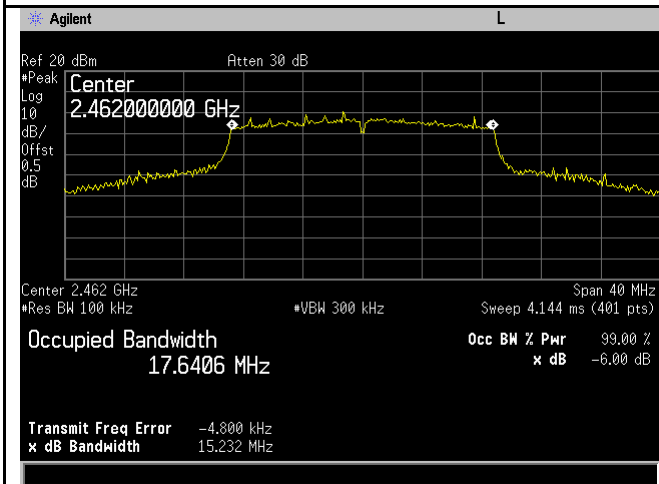
802.11g 6dB Bandwidth - High CH 2462



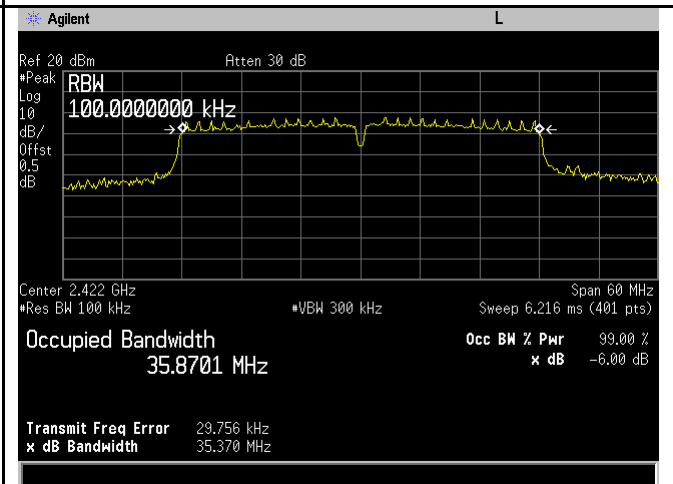
802.11n20 6dB Bandwidth - Low CH 2412



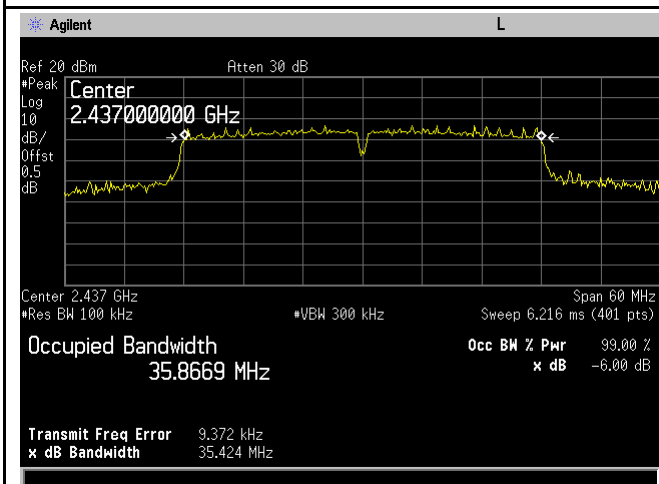
802.11n20 6dB Bandwidth - Mid CH 2437



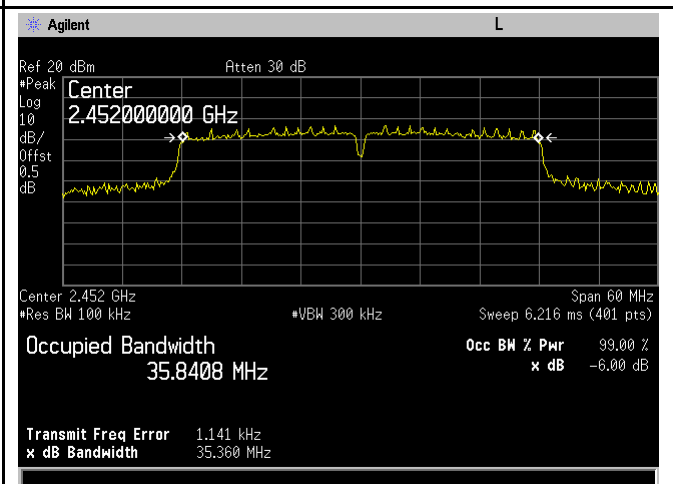
802.11n20 6dB Bandwidth - High CH 2462



802.11n40 6dB Bandwidth - Low CH 2422

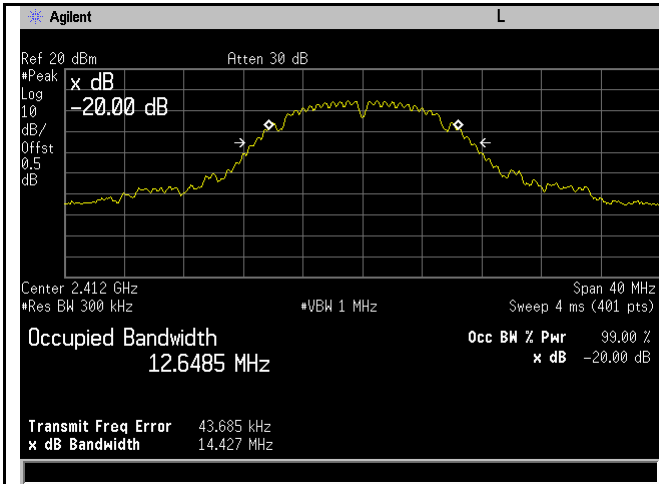


802.11n40 6dB Bandwidth - Mid CH 2437

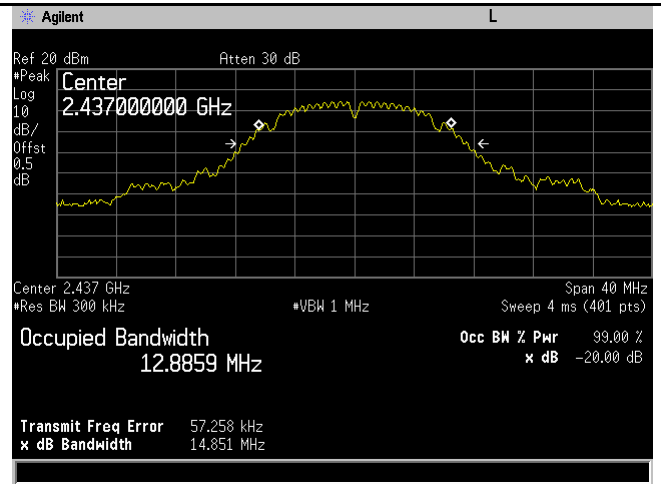


802.11n40 6dB Bandwidth - High CH 2452

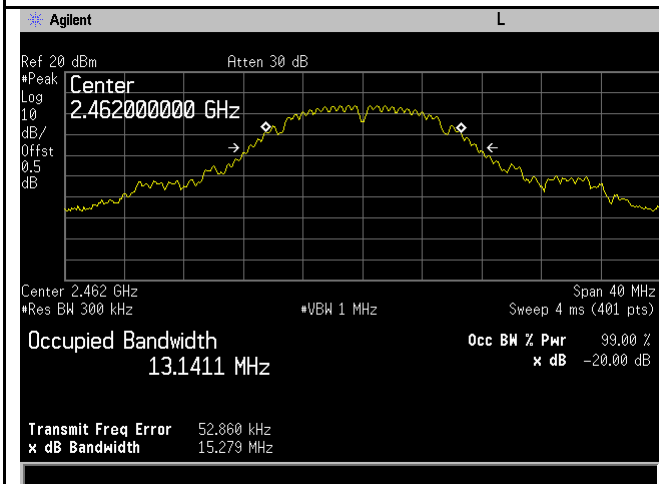
### 20 dB Bandwidth measurement result



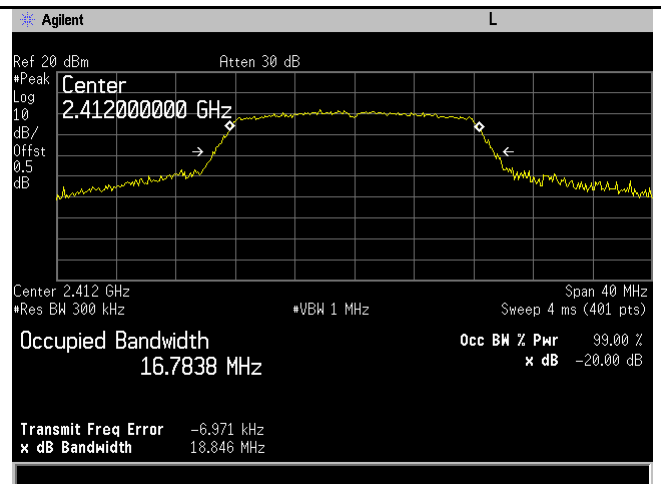
802.11b 20dB Bandwidth - Low CH 2412



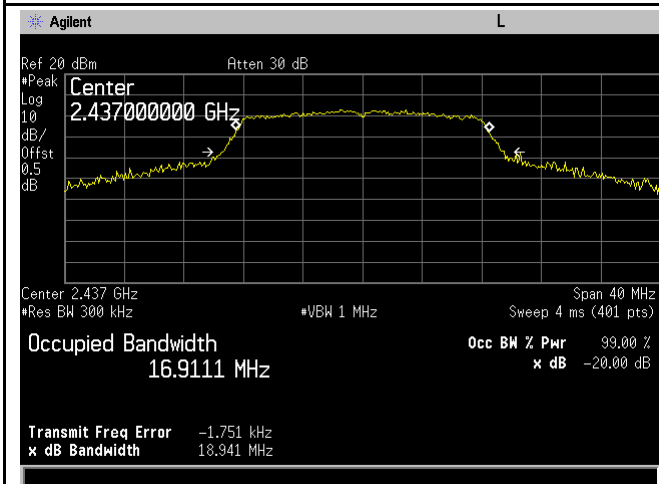
802.11b 20dB Bandwidth - Mid CH 2437



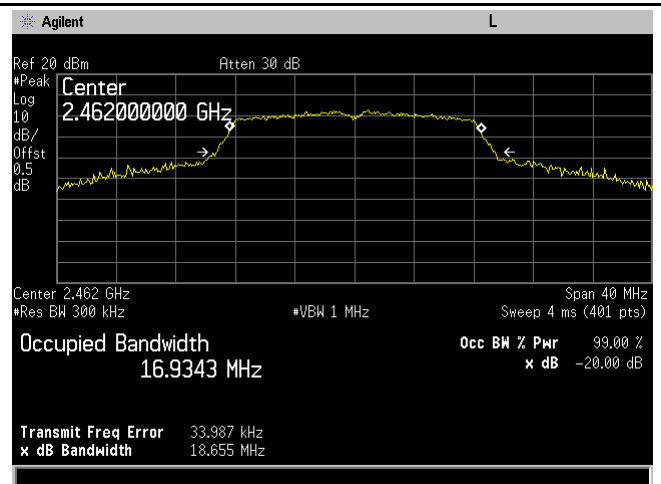
802.11b 20dB Bandwidth - High CH 2462



802.11g 20dB Bandwidth - Low CH 2412

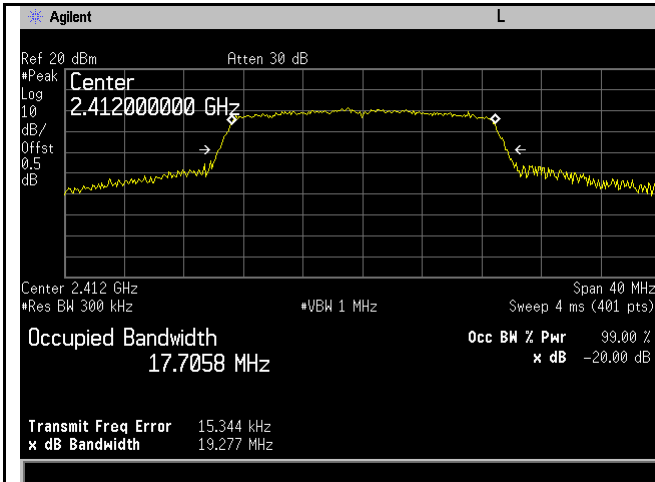


802.11g 20dB Bandwidth - Mid CH 2437

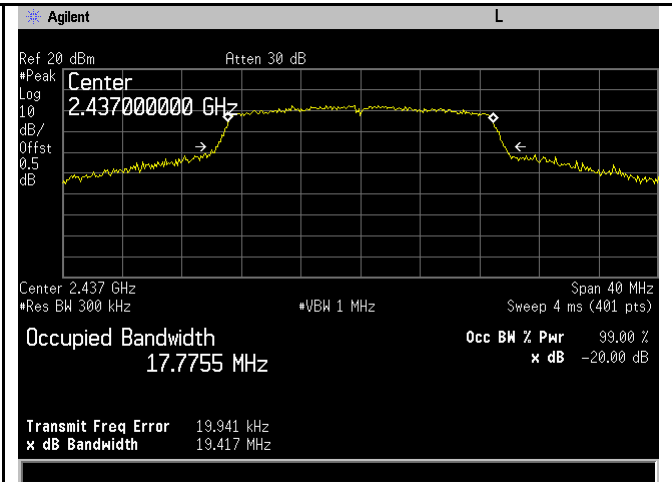


802.11g 20dB Bandwidth - High CH 2462

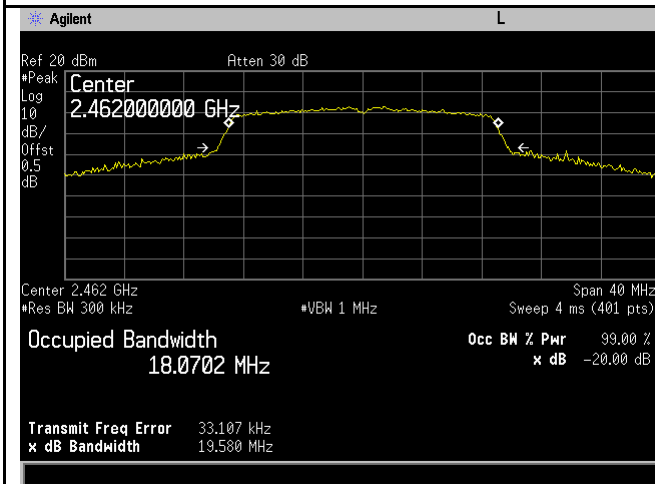




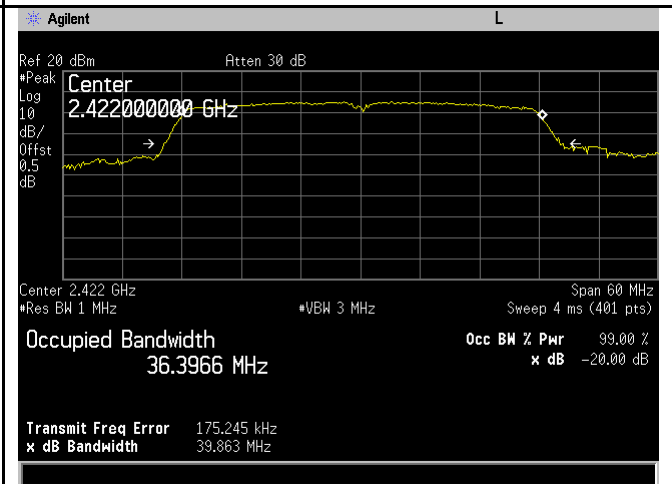
802.11n20 20dB Bandwidth - Low CH 2412



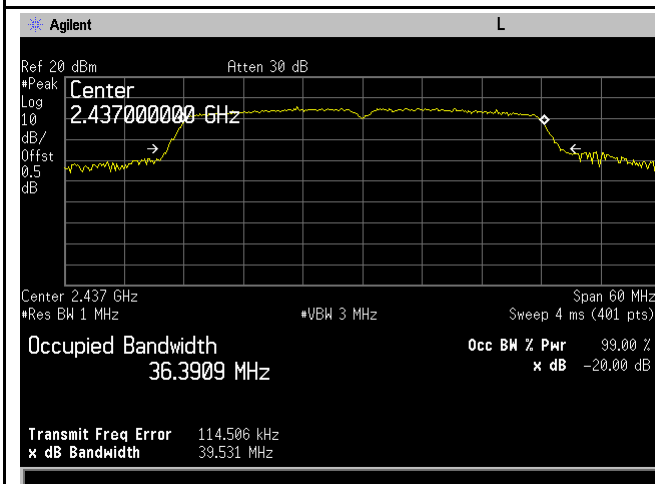
802.11n20 20dB Bandwidth - Mid CH 2437



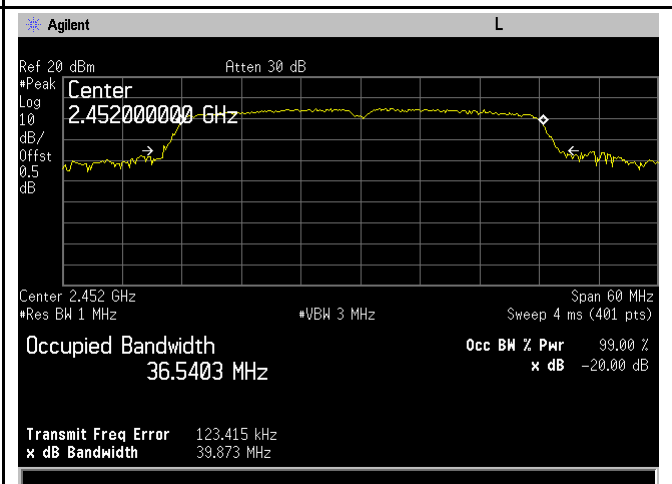
802.11n20 20dB Bandwidth - High CH 2462



802.11n40 20dB Bandwidth - Low CH 2422



802.11n40 20dB Bandwidth - Mid CH 2437



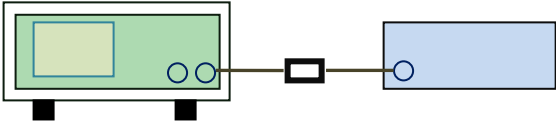
802.11n40 20dB Bandwidth - High CH 2452

### 6.3 Maximum Output Power

Temperature	25°C
Relative Humidity	57%
Atmospheric Pressure	1024mbar
Test date :	November 24, 2018
Tested By :	Aaron Liang

#### 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

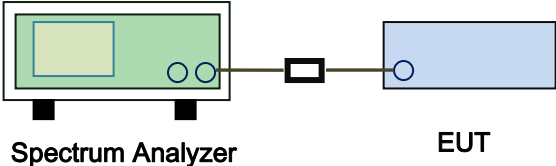
Test Plot     Yes (See below)             N/A

**Output Power measurement result**

Type	Test mode	CH	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Result
Output power	802.11b	Low	2412	8.83	30	Pass
		Mid	2437	8.55	30	Pass
		High	2462	8.30	30	Pass
	802.11g	Low	2412	9.14	30	Pass
		Mid	2437	9.42	30	Pass
		High	2462	9.01	30	Pass
	802.11n (20M)	Low	2412	9.04	30	Pass
		Mid	2437	9.42	30	Pass
		High	2462	9.09	30	Pass
	802.11n (40M)	Low	2422	9.39	30	Pass
		Mid	2437	9.25	30	Pass
		High	2452	9.44	30	Pass

## 6.4 Power Spectral Density

Temperature	25°C
Relative Humidity	57%
Atmospheric Pressure	1024mbar
Test date :	November 24, 2018
Tested By :	Aaron Liang

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		

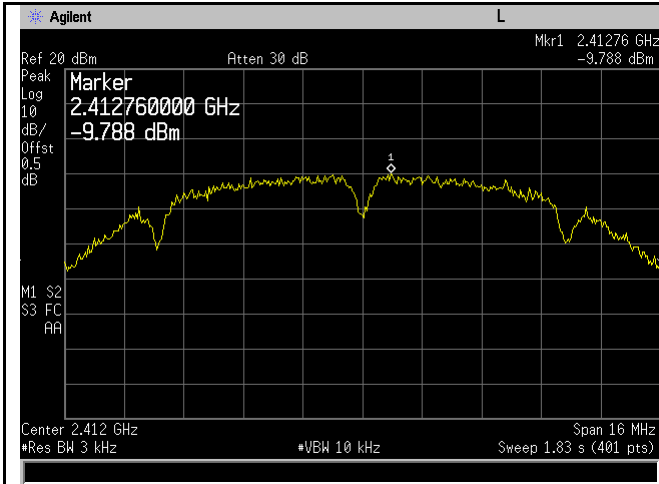
Test Data  Yes  N/A  
 Test Plot  Yes (See below)  N/A

**Power Spectral Density measurement result**

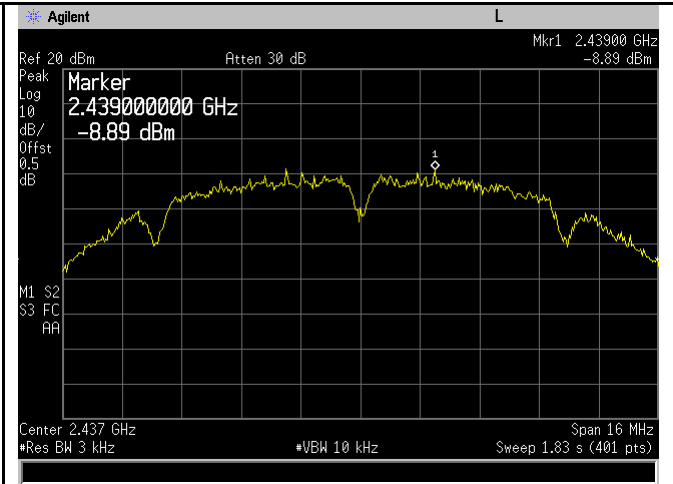
Type	Test mode	CH	Freq (MHz)	PSD	Limit (dBm)	Result
				(dBm)		
PSD	802.11b	Low	2412	-9.788	8	Pass
		Mid	2437	-8.890	8	Pass
		High	2462	-10.54	8	Pass
	802.11g	Low	2412	-15.14	8	Pass
		Mid	2437	-13.71	8	Pass
		High	2462	-13.54	8	Pass
	802.11n (20M)	Low	2412	-14.74	8	Pass
		Mid	2437	-13.77	8	Pass
		High	2462	-13.56	8	Pass
	802.11n (40M)	Low	2422	-17.11	8	Pass
		Mid	2437	-16.64	8	Pass
		High	2452	-16.95	8	Pass

### Test Plots

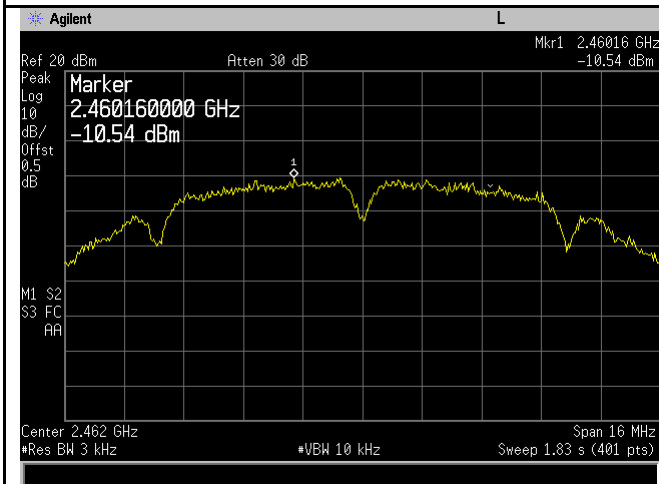
#### Power Spectral Density measurement result



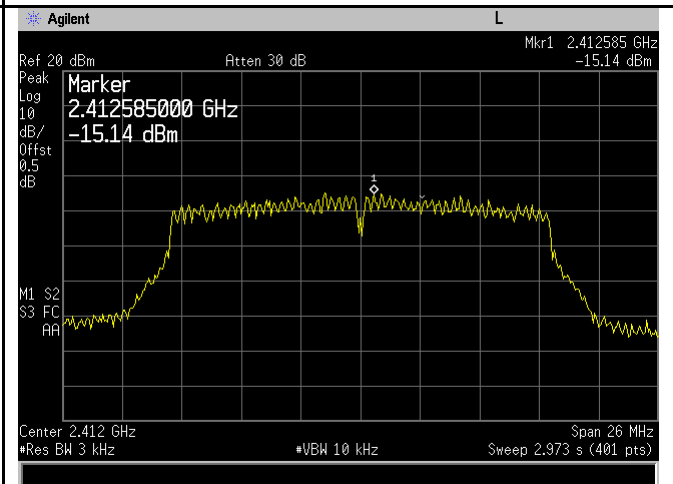
PSD - Low CH 2412 - 802.11b



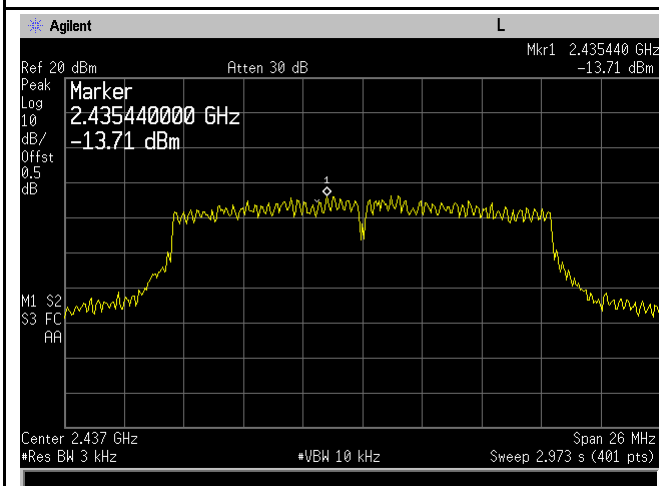
PSD - Mid CH 2437 - 802.11b



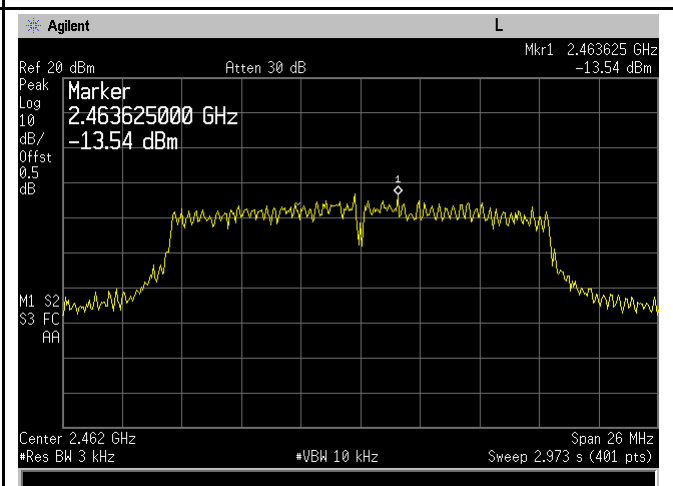
PSD - High CH 2462 - 802.11b



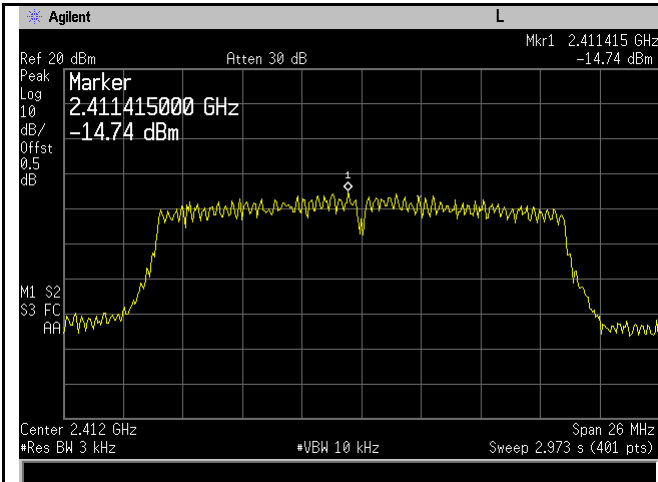
PSD - Low CH 2412 - 802.11g



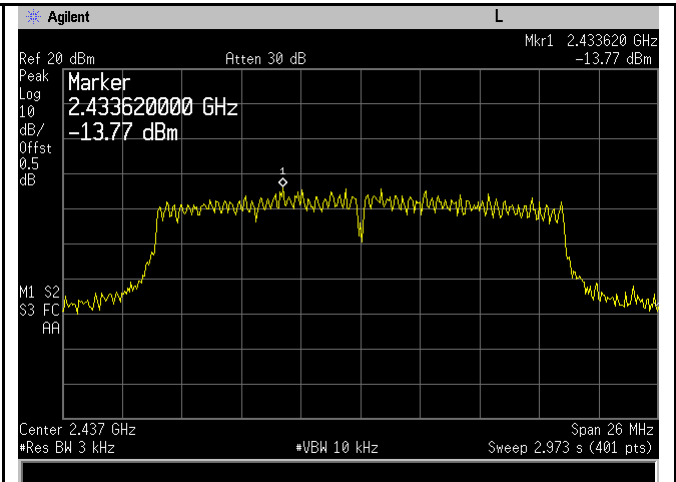
PSD - Mid CH 2437 - 802.11g



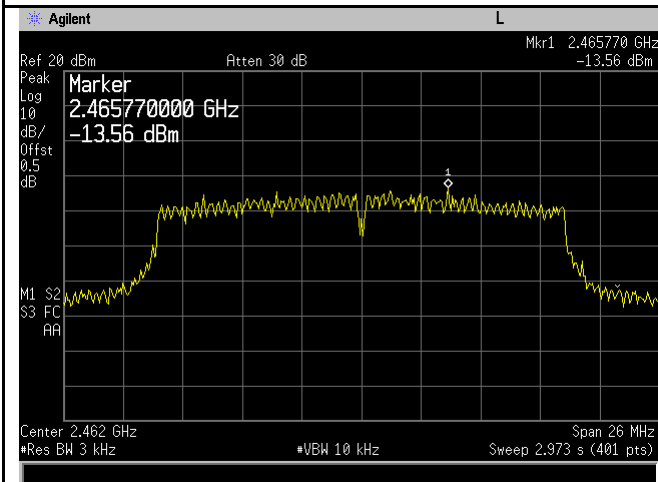
PSD - High CH 2462 - 802.11g



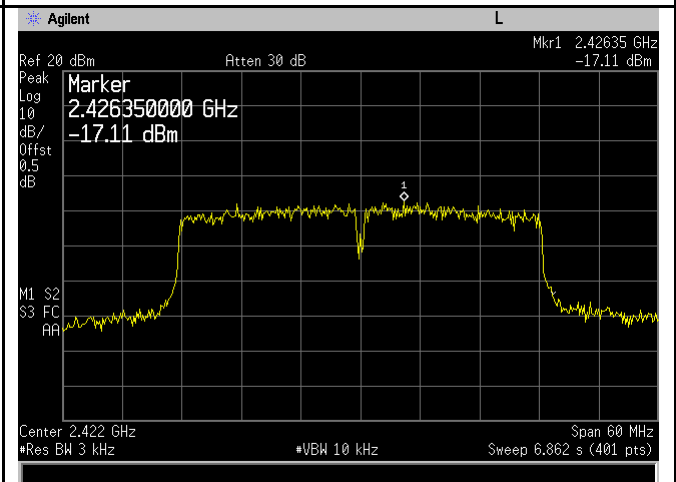
PSD - Low CH 2412 - 802.11n20



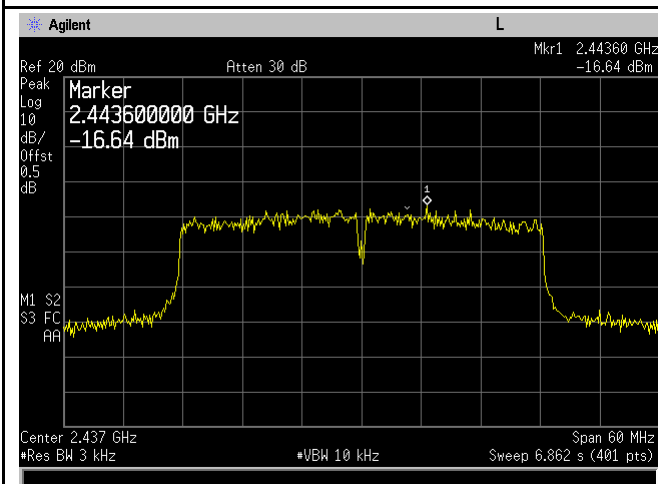
PSD - Mid CH 2437 - 802.11n20



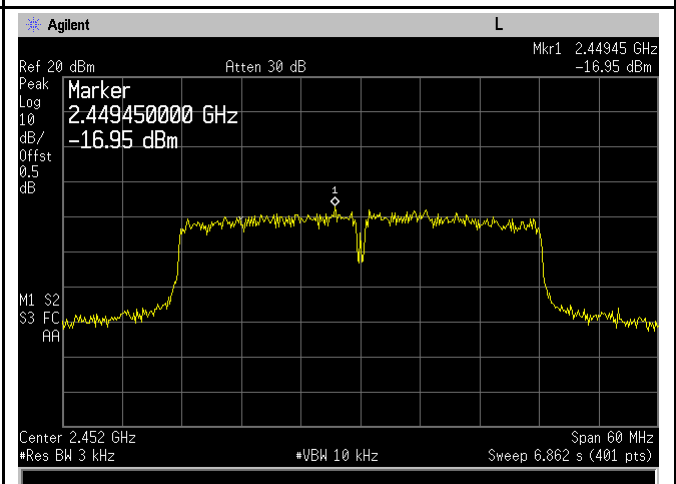
PSD - High CH 2472 - 802.11n20



PSD - Low CH 2422 - 802.11n40



PSD - Mid CH 2437 - 802.11n40



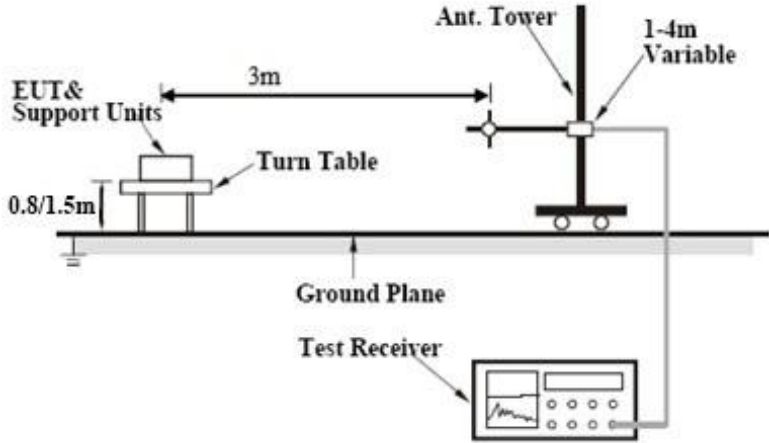
PSD - High CH 2452 - 802.11n40

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

Temperature	27°C
Relative Humidity	58%
Atmospheric Pressure	1010mbar
Test date :	November10&15&16, 2018
Tested By :	Aaron Liang

### 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>
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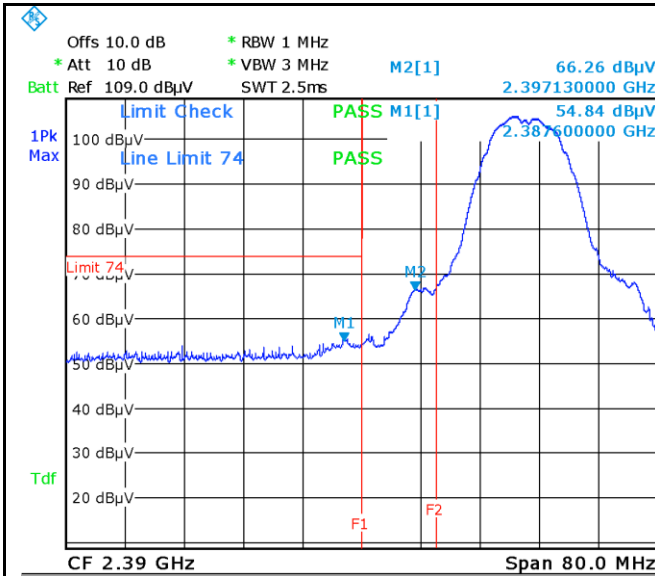


	<ul style="list-style-type: none"> <li>- 3. First, set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100kHz bandwidth from band edge, check the emission of EUT, if pass then set Spectrum Analyzer as below:             <ul style="list-style-type: none"> <li>a. 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

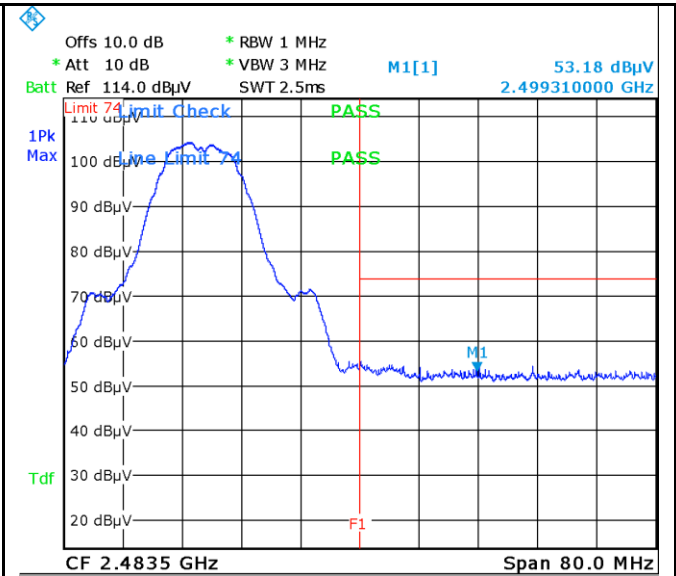
Test Data     Yes                       N/A  
 Test Plot     Yes (See below)             N/A

### Test Plots

#### Band Edge measurement result



Date: 10.NOV.2018 07:38:32



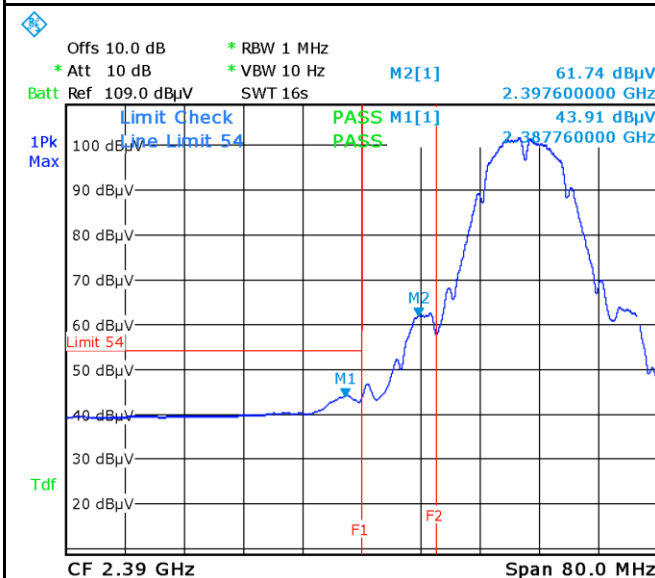
Date: 10.NOV.2018 08:06:25

Band Edge, Left Side (Peak) - 802.11b

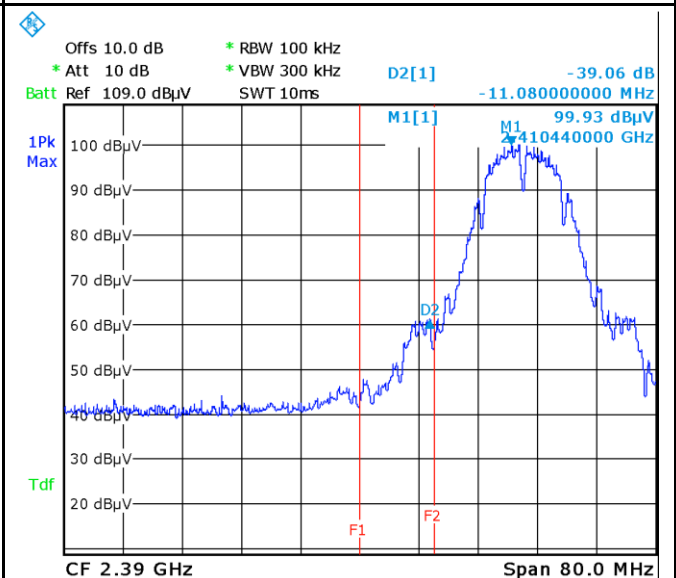
Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz

Band Edge, Right Side (Peak) - 802.11b

Note: F1 is frequency 2483.5MHz



Date: 10.NOV.2018 07:40:12

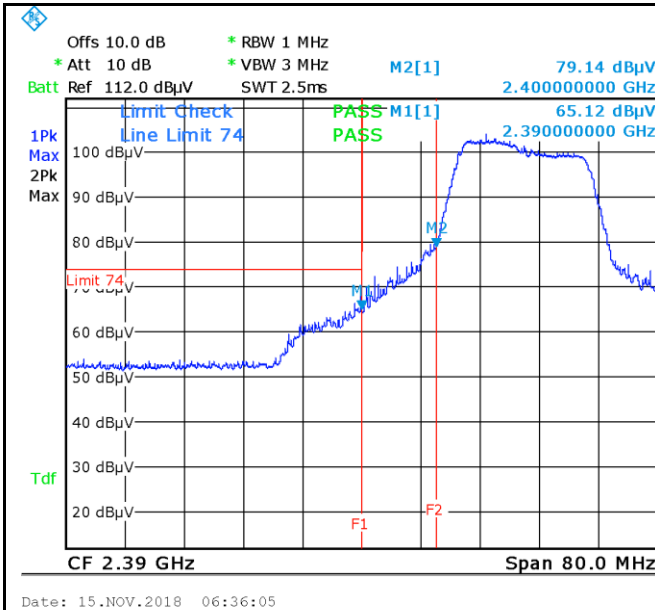


Date: 10.NOV.2018 07:41:17

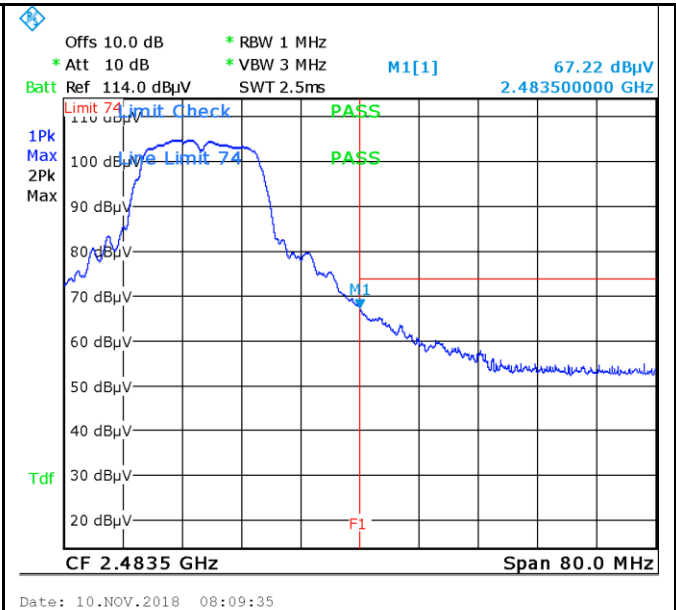
Band Edge, Left Side (Average) - 802.11b

Band Edge, Left Side (Average) - 802.11b

Note: Both Horizontal and vertical polarities were investigated



Date: 15.NOV.2018 06:36:05



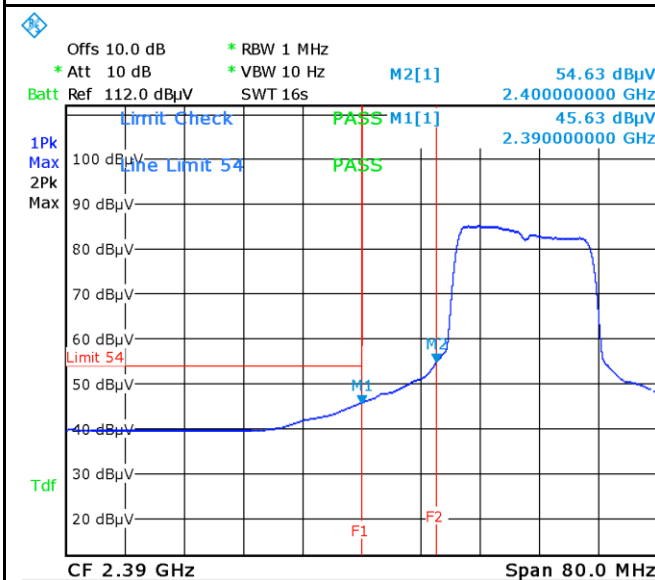
Date: 10.NOV.2018 08:09:35

Band Edge, Left Side (Peak) - 802.11g

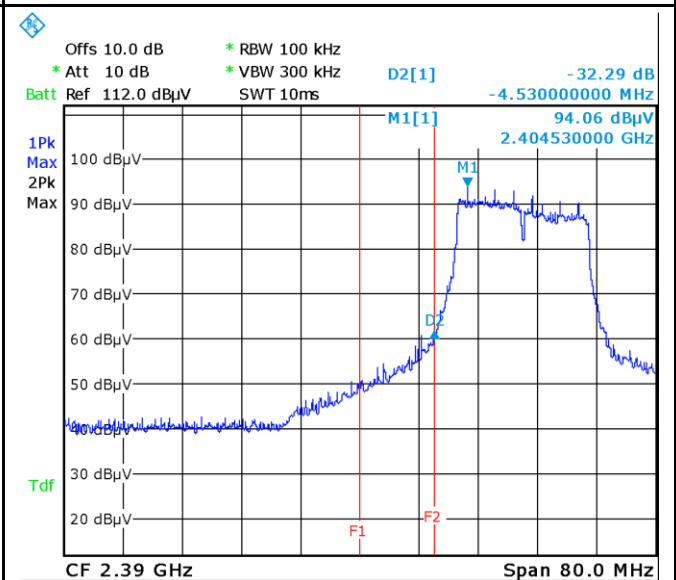
Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz

Band Edge, Right Side (Peak) - 802.11g

Note: F1 is frequency 2483.5MHz



Date: 15.NOV.2018 06:36:47



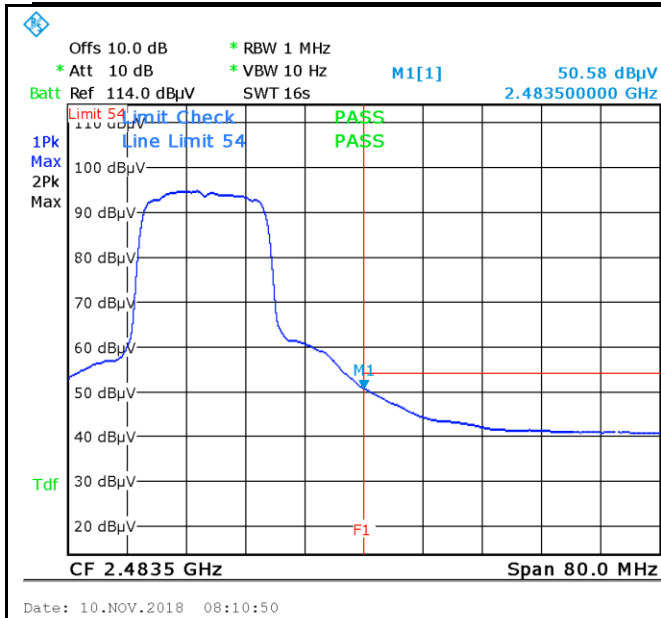
Date: 15.NOV.2018 06:37:20

Band Edge, Left Side (Average) - 802.11g

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

Band Edge, Left Side (Average) - 802.11g

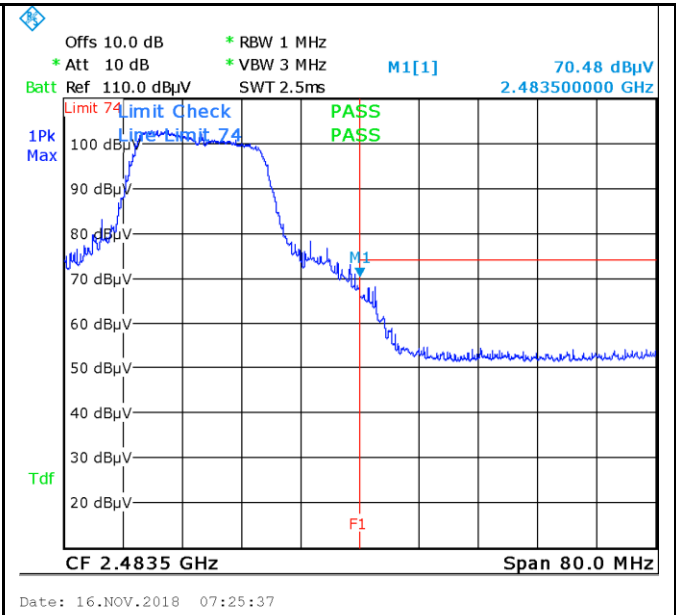
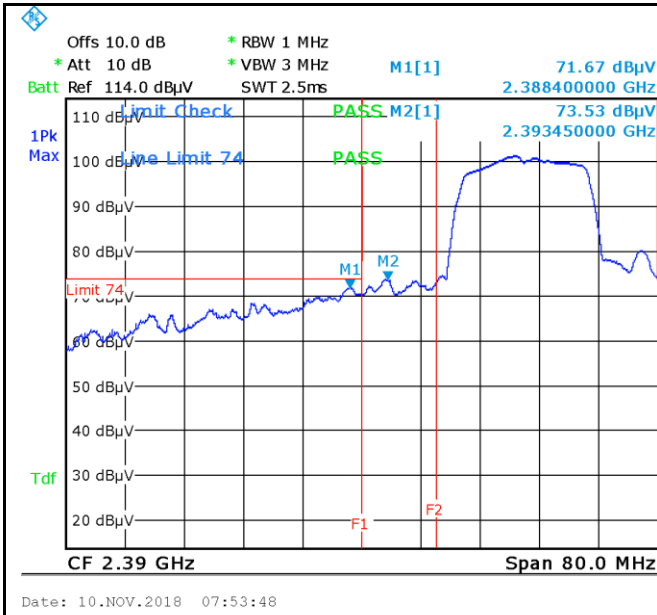
Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz



Band Edge, Right Side (Average) - 802.11g

Note: F1 is frequency 2483.5MHz

Note: Both Horizontal and vertical polarities were investigated

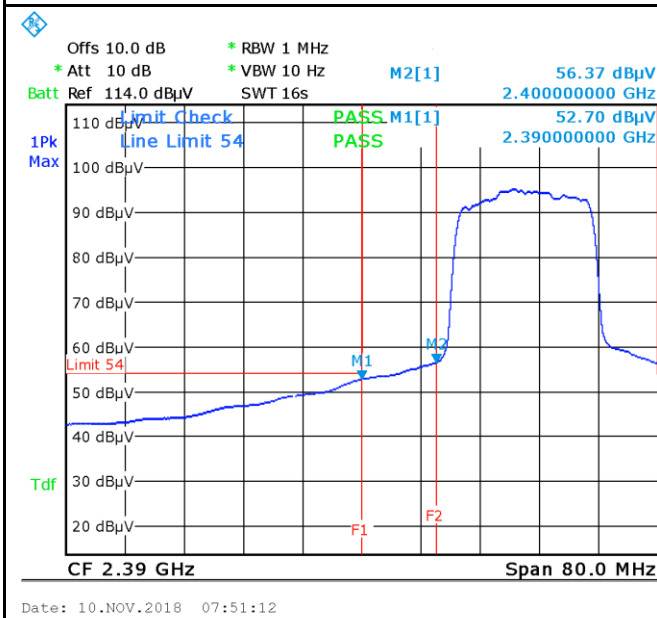


Band Edge, Left Side (Peak) - 802.11n20

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

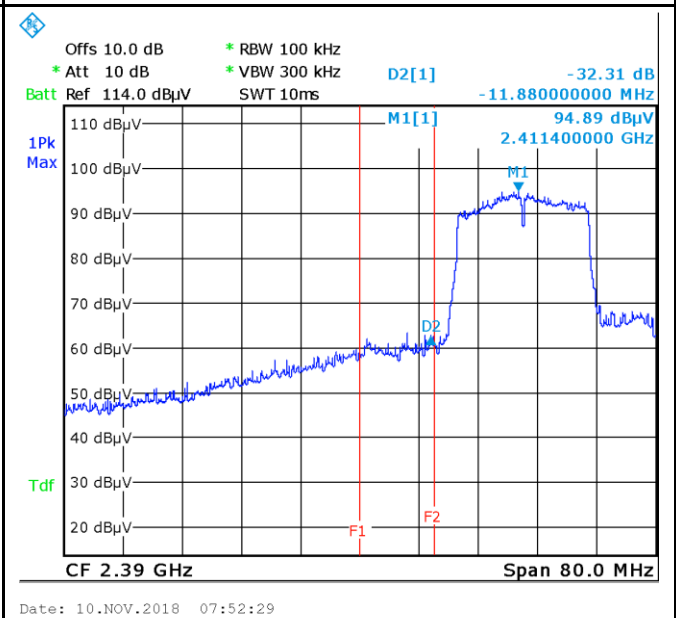
Band Edge, Right Side (Peak) - 802.11n20

Note: F1 is frequency 2483.5MHz



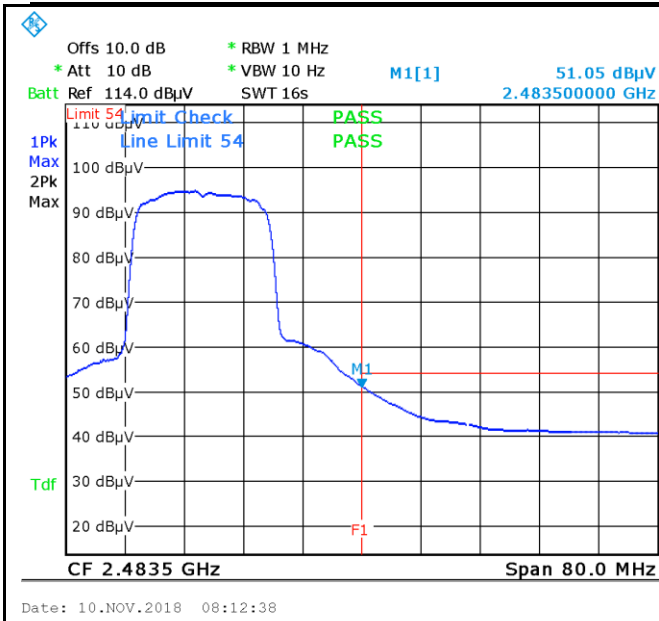
Band Edge, Left Side (Average) - 802.11n20

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



Band Edge, Left Side (Average) - 802.11n20

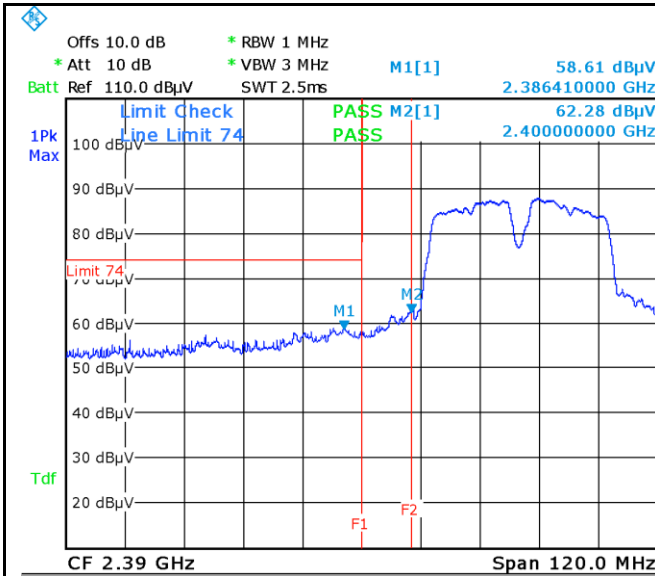
Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz



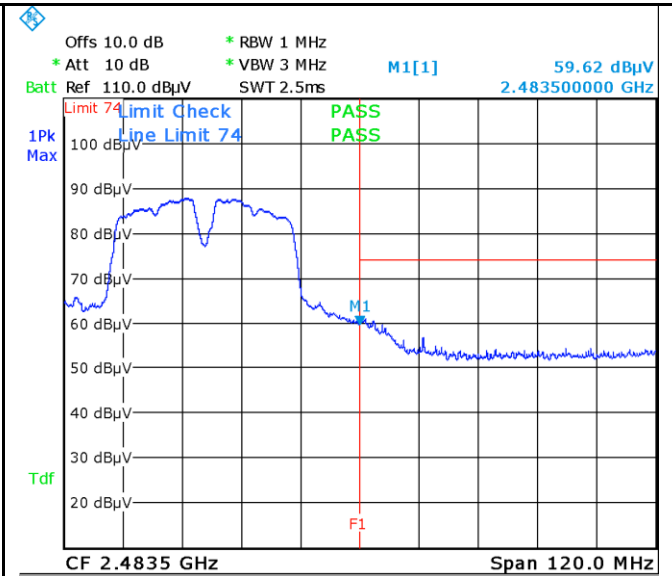
Band Edge, Right Side (Average) - 802.11n20

Note: F1 is frequency 2483.5MHz

Note: Both Horizontal and vertical polarities were investigated



Date: 16.NOV.2018 06:38:17



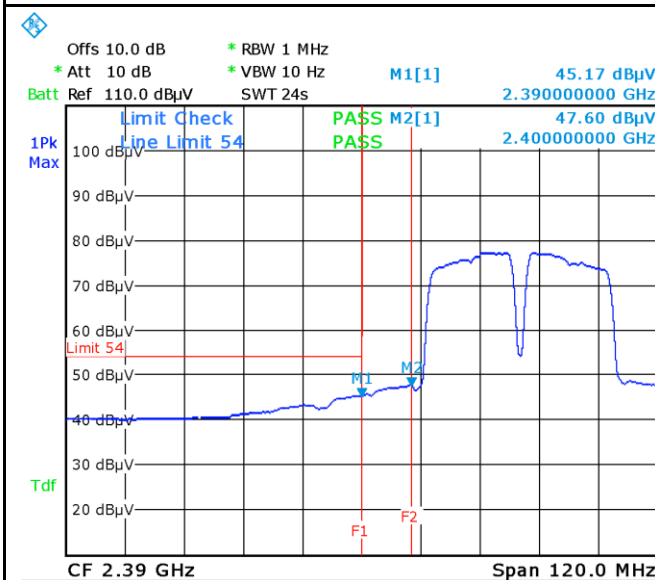
Date: 16.NOV.2018 06:43:06

Band Edge, Left Side (Peak) - 802.11n40

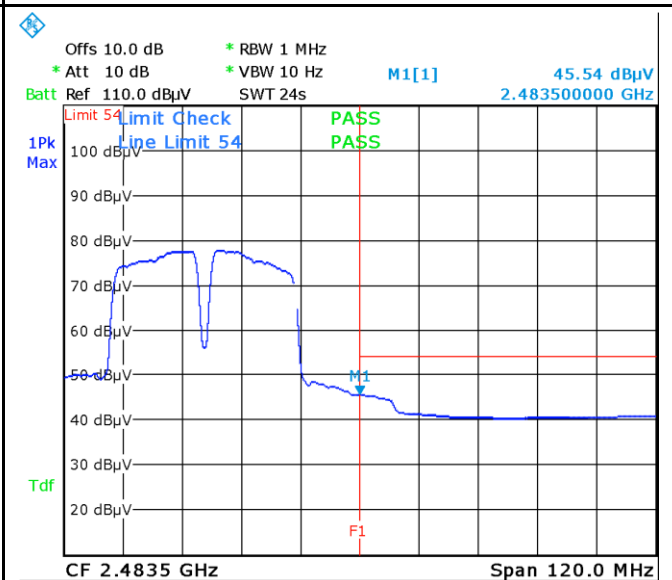
Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz

Band Edge, Right Side (Peak) - 802.11n40

Note: F1 is frequency 2483.5MHz



Date: 16.NOV.2018 06:36:17



Date: 16.NOV.2018 06:43:43

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

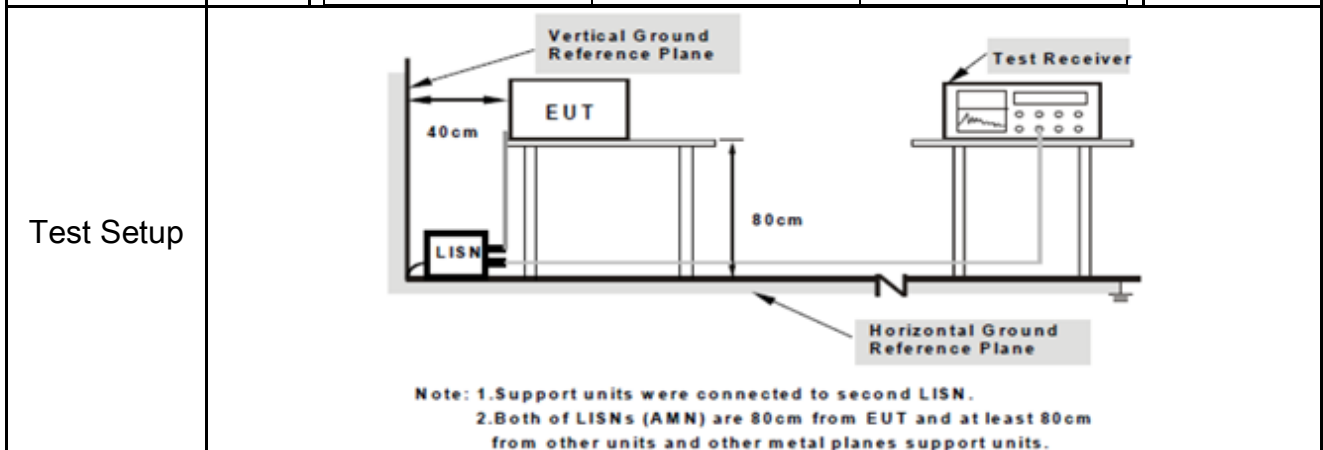
Note: Both Horizontal and vertical polarities were investigated

## 6.6 AC Power Line Conducted Emissions

Temperature	26°C
Relative Humidity	55%
Atmospheric Pressure	1010mbar
Test date :	November 09, 2018
Tested By :	Aaron Liang

### 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.	<input checked="" type="checkbox"/>														
		<table border="1"> <thead> <tr> <th rowspan="2">Frequency ranges (MHz)</th> <th colspan="2">Limit (dBµV)</th> </tr> <tr> <th>QP</th> <th>Average</th> </tr> </thead> <tbody> <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> </tbody> </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															



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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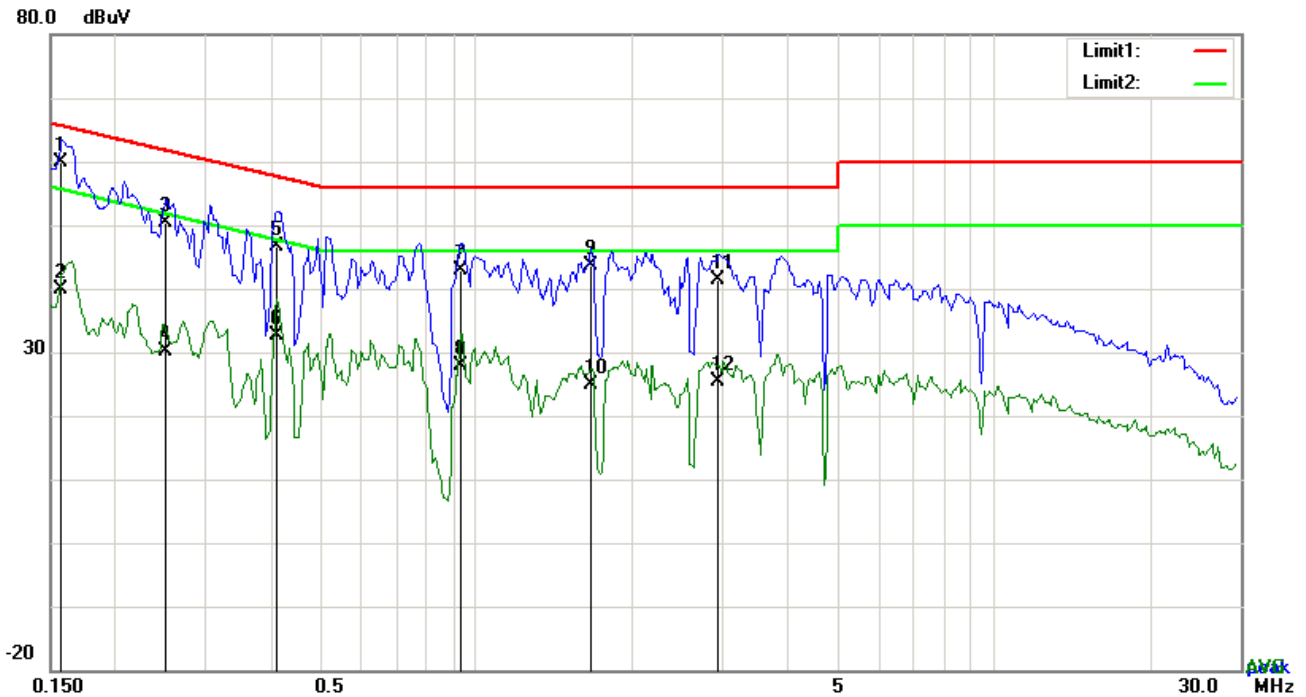


	<p>coaxial cable.</p> <ol style="list-style-type: none"> <li>4. All other supporting equipment were powered separately from another main supply.</li> <li>5. The EUT was switched on and allowed to warm up to its normal operating condition.</li> <li>6. A scan was made on the NEUTRAL line (for AC mains) 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

<b>Test Mode:</b>	<b>Transmitting Mode</b>
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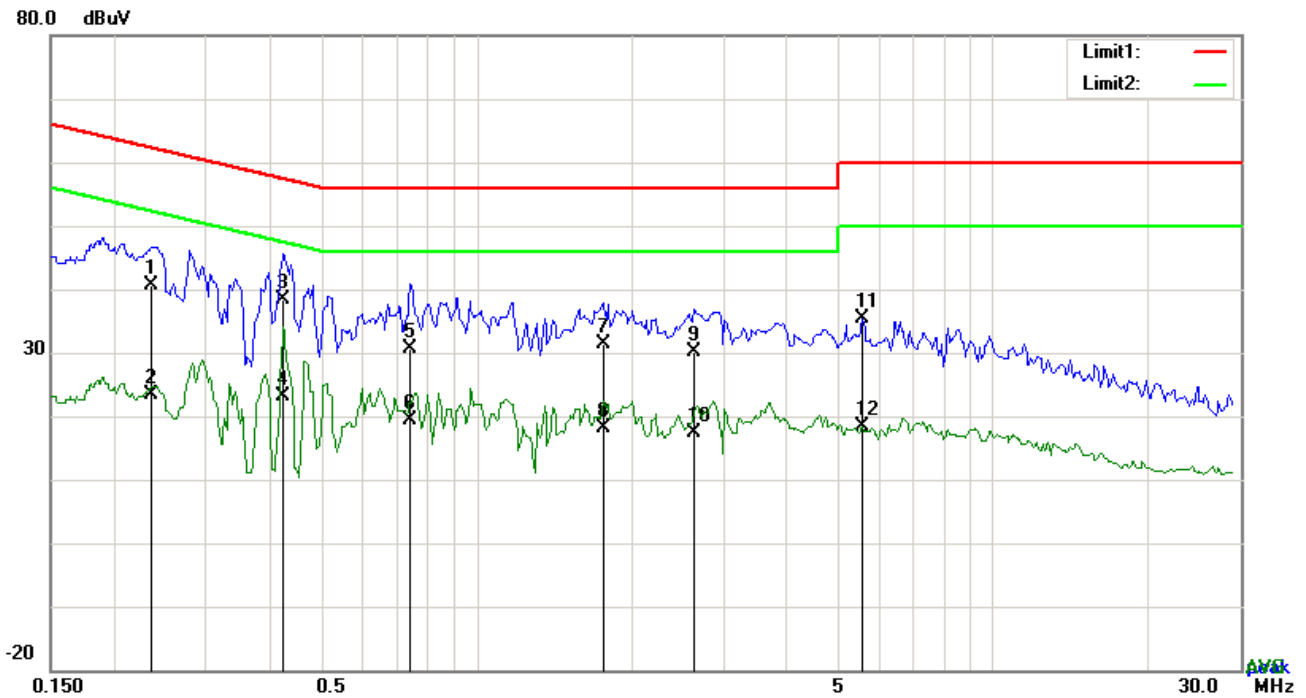


**Test Data**

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

No.	P/L	Frequency (MHz)	Reading (dBµV)	Detector	Corrected (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)
1	L1	0.1578	49.88	QP	10.03	59.91	65.58	-5.67
2	L1	0.1578	29.77	AVG	10.03	39.80	55.58	-15.78
3	L1	0.2514	40.29	QP	10.03	50.32	61.71	-11.39
4	L1	0.2514	19.99	AVG	10.03	30.02	51.71	-21.69
5	L1	0.4113	36.71	QP	10.03	46.74	57.62	-10.88
6	L1	0.4113	22.51	AVG	10.03	32.54	47.62	-15.08
7	L1	0.9378	32.76	QP	10.03	42.79	56.00	-13.21
8	L1	0.9378	17.81	AVG	10.03	27.84	46.00	-18.16
9	L1	1.6710	33.51	QP	10.04	43.55	56.00	-12.45
10	L1	1.6710	14.94	AVG	10.04	24.98	46.00	-21.02
11	L1	2.9385	31.29	QP	10.05	41.34	56.00	-14.66
12	L1	2.9385	15.31	AVG	10.05	25.36	46.00	-20.64

<b>Test Mode:</b>	<b>Transmitting Mode</b>
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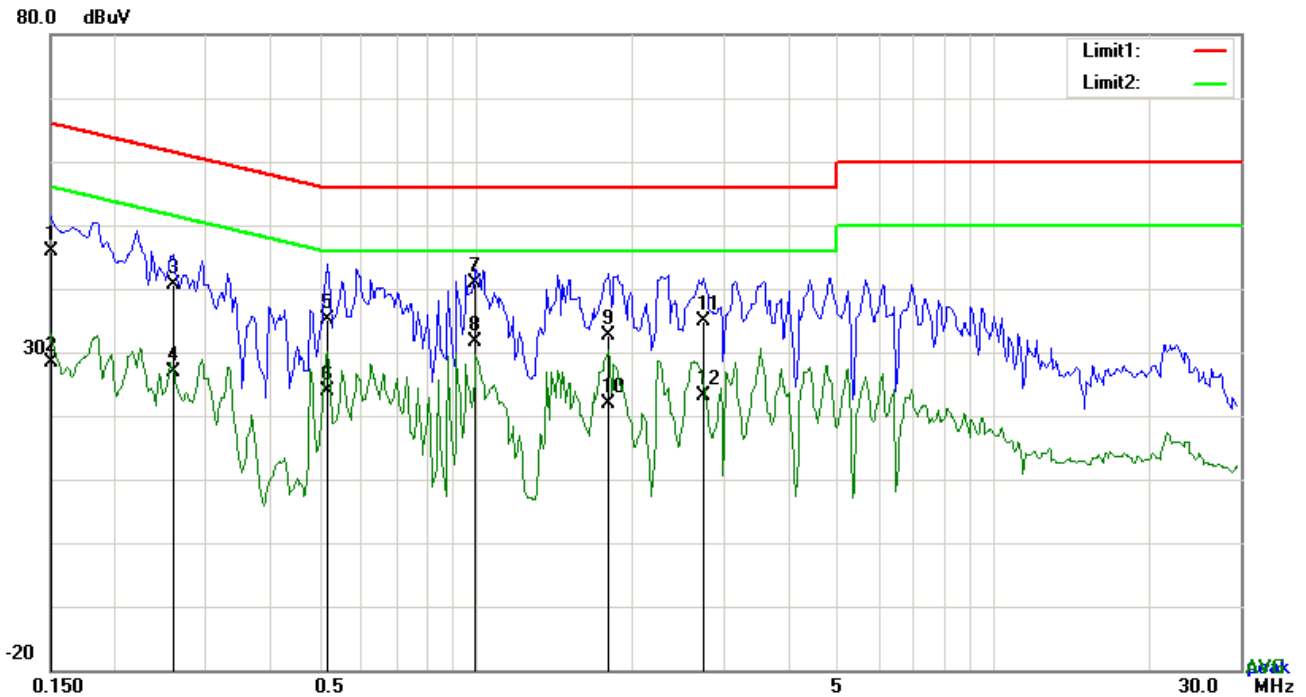


**Test Data**

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

No.	P/L	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)
1	N	0.2341	30.68	QP	10.02	40.70	62.30	-21.60
2	N	0.2341	13.26	AVG	10.02	23.28	52.30	-29.02
3	N	0.4230	28.30	QP	10.02	38.32	57.39	-19.07
4	N	0.4230	13.07	AVG	10.02	23.09	47.39	-24.30
5	N	0.7467	20.64	QP	10.02	30.66	56.00	-25.34
6	N	0.7467	9.35	AVG	10.02	19.37	46.00	-26.63
7	N	1.7529	21.23	QP	10.04	31.27	56.00	-24.73
8	N	1.7529	8.14	AVG	10.04	18.18	46.00	-27.82
9	N	2.6304	20.14	QP	10.05	30.19	56.00	-25.81
10	N	2.6304	7.36	AVG	10.05	17.41	46.00	-28.59
11	N	5.5662	25.19	QP	10.08	35.27	60.00	-24.73
12	N	5.5662	8.38	AVG	10.08	18.46	50.00	-31.54

<b>Test Mode:</b>	<b>Transmitting Mode</b>
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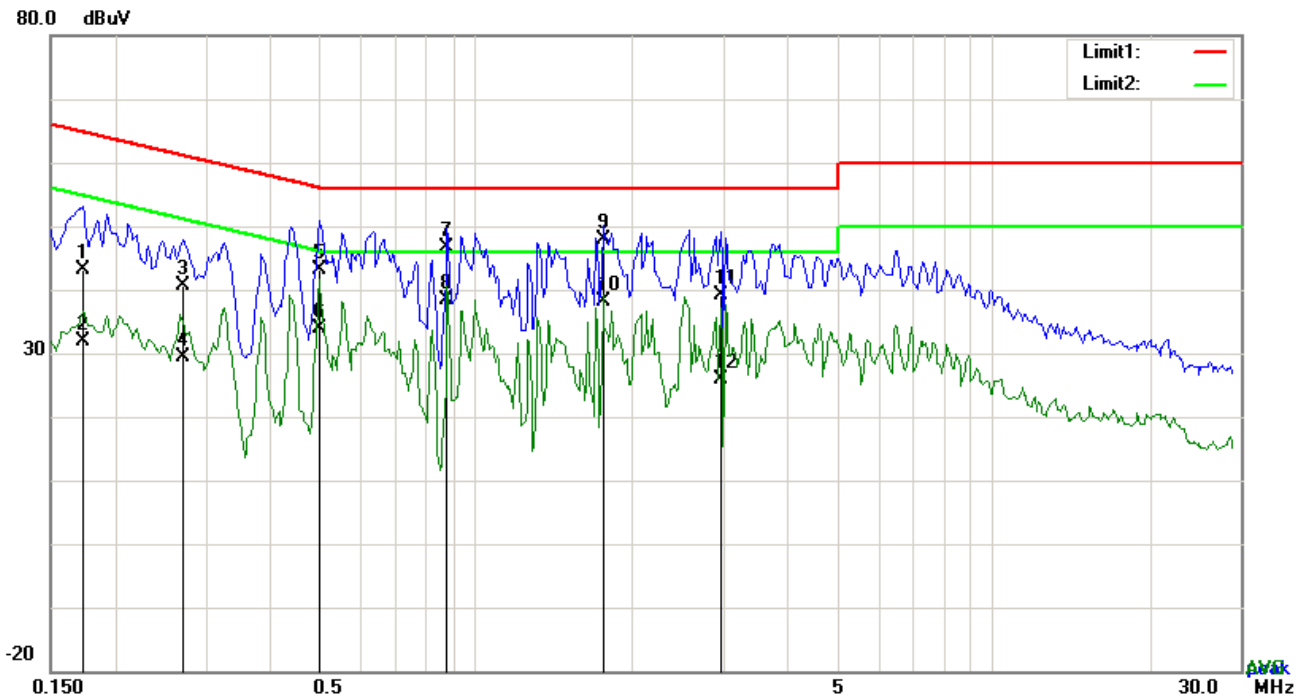


**Test Data**

**Phase Line Plot at 240Vac, 60Hz**

No.	P/L	Frequency (MHz)	Reading (dBμV)	Detector	Corrected (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)
1	L1	0.1500	35.79	QP	10.03	45.82	66.00	-20.18
2	L1	0.1500	18.27	AVG	10.03	28.30	56.00	-27.70
3	L1	0.2592	30.63	QP	10.03	40.66	61.46	-20.80
4	L1	0.2592	16.85	AVG	10.03	26.88	51.46	-24.58
5	L1	0.5166	25.11	QP	10.03	35.14	56.00	-20.86
6	L1	0.5166	13.87	AVG	10.03	23.90	46.00	-22.10
7	L1	0.9963	30.81	QP	10.03	40.84	56.00	-15.16
8	L1	0.9963	21.63	AVG	10.03	31.66	46.00	-14.34
9	L1	1.8036	22.51	QP	10.04	32.55	56.00	-23.45
10	L1	1.8036	11.77	AVG	10.04	21.81	46.00	-24.19
11	L1	2.7474	24.75	QP	10.05	34.80	56.00	-21.20
12	L1	2.7474	13.03	AVG	10.05	23.08	46.00	-22.92

<b>Test Mode:</b>	<b>Transmitting Mode</b>
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**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	0.1734	33.13	QP	10.02	43.15	64.80	-21.65
2	N	0.1734	21.74	AVG	10.02	31.76	54.80	-23.04
3	N	0.2709	30.69	QP	10.02	40.71	61.09	-20.38
4	N	0.2709	19.35	AVG	10.02	29.37	51.09	-21.72
5	N	0.4971	33.14	QP	10.02	43.16	56.05	-12.89
6	N	0.4971	23.98	AVG	10.02	34.00	46.05	-12.05
7	N	0.8793	36.67	QP	10.03	46.70	56.00	-9.30
8	N	0.8793	28.27	AVG	10.03	38.30	46.00	-7.70
9	N	1.7607	37.81	QP	10.04	47.85	56.00	-8.15
10	N	1.7607	27.98	AVG	10.04	38.02	46.00	-7.98
11	N	2.9697	29.16	QP	10.05	39.21	56.00	-16.79
12	N	2.9697	15.76	AVG	10.05	25.81	46.00	-20.19

## 6.7 Radiated Spurious Emissions & Restricted Band

Temperature	26°C
Relative Humidity	55%
Atmospheric Pressure	1010mbar
Test date :	November 09, 2018
Tested By :	Aaron Liang

### Requirement(s):

Spec	Item	Requirement	Applicable																
47CFR§15.247(d), RSS210 (A8.5)	a)	<p>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</p> <table border="1"> <thead> <tr> <th>Frequency range (MHz)</th> <th>Field Strength (μV/m)</th> </tr> </thead> <tbody> <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> </tbody> </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	<input checked="" type="checkbox"/>
	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)	<p>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</p> <p><input checked="" type="checkbox"/> 20 dB down      <input type="checkbox"/> 30 dB down</p>	<input checked="" type="checkbox"/>																	
c)	<p>or restricted band, emission must also comply with the radiated emission limits specified in 15.209</p>	<input checked="" type="checkbox"/>																	

<p>Test Setup</p>	<p>The top diagram shows an EUT (Equipment Under Test) on a stand that is 0.8m high. A Loop Antenna is positioned 3 meters away from the EUT. The antenna is connected to an RF Test Receiver. The entire setup is on a Ground Plane.</p> <p>The bottom diagram shows the EUT and support units on a Turn Table that is 0.8/1.5m high. An Ant. Tower is positioned 3m away from the EUT. The antenna tower has a 1-4m Variable height adjustment. The antenna is connected to a Test Receiver. The setup is on a Ground Plane.</p>
<p>Procedure</p>	<ol style="list-style-type: none"> <li>1. The EUT was switched on and allowed to warm up to its normal operating condition.</li> <li>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:             <ol style="list-style-type: none"> <li>a. Vertical or horizontal polarization (whichever gave the higher emission level over a full rotation of the EUT) was chosen.</li> <li>b. The EUT was then rotated to the direction that gave the maximum emission.</li> <li>c. Finally, the antenna height was adjusted to the height that gave the maximum emission.</li> </ol> </li> <li>3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz.</li> <li>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.</li> </ol>

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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:**

<b>Test Mode:</b>	Transmitting Mode
-------------------	-------------------

Frequency range: 9KHz - 30MHz

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

**Note:**

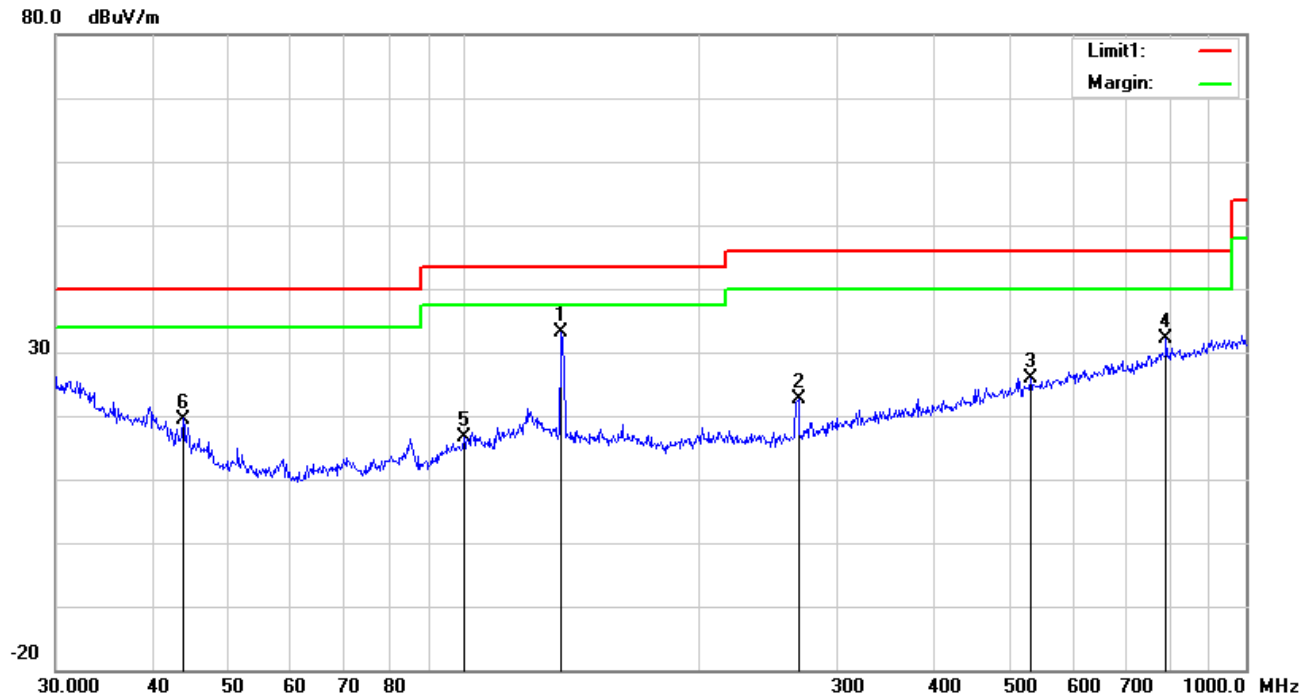
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

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**

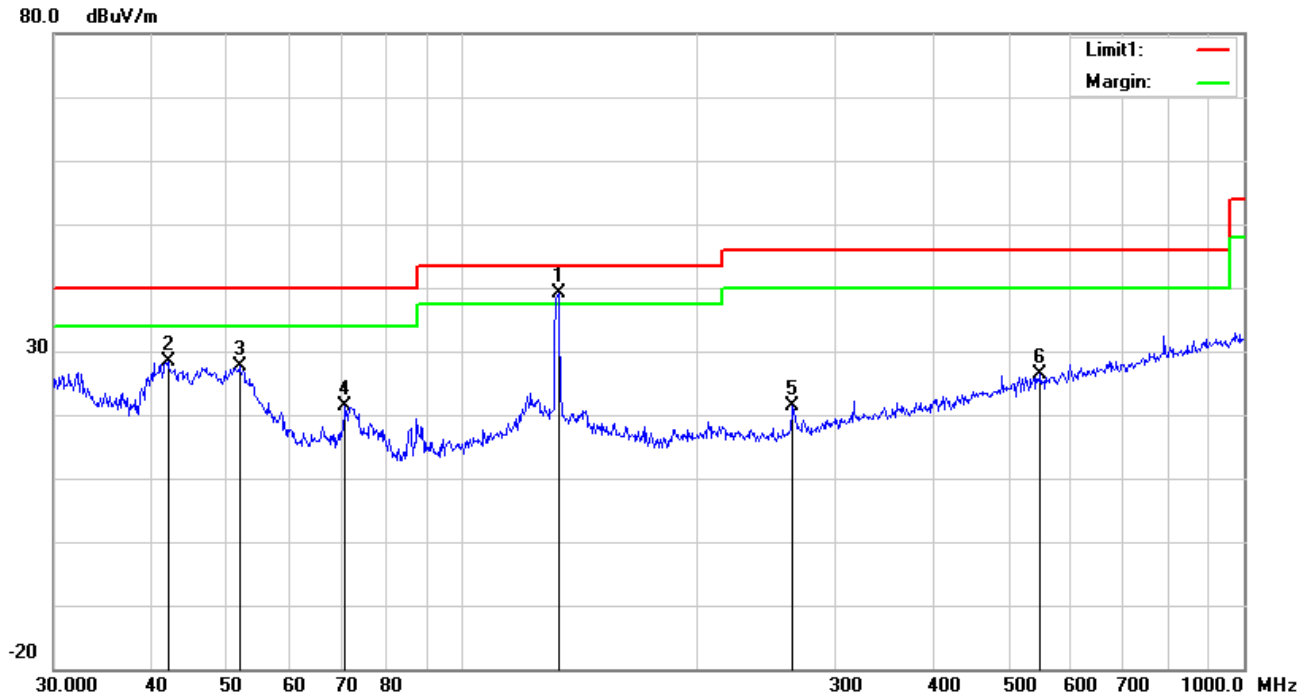


**Test Data**

**Vertical Polarity Plot @3m**

No.	P/L	Frequency	Reading	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)	(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( ° )
1	H	133.1511	41.16	13.05	22.39	1.22	33.04	43.50	-10.46	100	322
2	H	267.5455	31.09	12.17	22.29	1.73	22.70	46.00	-23.30	100	141
3	H	530.1014	27.11	18.12	21.74	2.46	25.95	46.00	-20.05	100	102
4	H	790.6188	29.11	21.29	21.17	2.94	32.17	46.00	-13.83	100	210
5	H	99.8777	27.58	10.37	22.32	1.12	16.75	43.50	-26.75	100	304
6	H	43.6585	29.54	11.49	22.29	0.76	19.50	40.00	-20.50	100	4

### 30MHz -1GHz



*Test Data*

### Horizontal Polarity Plot @3m

N o.	P/ L	Frequency (MHz)	Reading (dBuV/m )	Ant_F (dB/m)	PA_G (dB)	Cab_L (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degr ee ( )
1	V	132.6850	47.28	13.08	22.39	1.22	39.19	43.50	-4.31	100	349
2	V	42.0066	37.26	12.58	22.28	0.77	28.33	40.00	-11.67	100	107
3	V	51.8430	40.99	8.20	22.39	0.79	27.59	40.00	-12.41	100	157
4	V	70.8315	35.05	7.78	22.38	0.98	21.43	40.00	-18.57	100	170
5	V	264.7457	29.92	12.05	22.29	1.73	21.41	46.00	-24.59	100	215
6	V	549.0195	27.19	18.39	21.70	2.48	26.36	46.00	-19.64	100	114

### Above 1GHz

<b>Test Mode:</b>	<b>Transmitting Mode</b>
-------------------	--------------------------

#### Low Channel (2412 MHz) (n40 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	45.05	AV	V	33.39	7.22	48.46	37.2	54	-16.8
4824	47.53	AV	H	33.39	7.22	48.46	39.68	54	-14.32
4824	65.44	PK	V	33.39	7.22	48.46	57.59	74	-16.41
4824	65.26	PK	H	33.39	7.22	48.46	57.41	74	-16.59
10096	24.26	AV	V	39.5	14.13	45.86	32.03	54	-21.97
10096	21.88	AV	H	39.5	14.13	45.86	29.65	54	-24.35
10096	41.45	PK	V	39.5	14.13	45.86	49.22	74	-24.78
10096	42.72	PK	H	39.5	14.13	45.86	50.49	74	-23.51

#### Middle Channel (2437 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)
4874	46.56	AV	V	33.62	7.53	48.36	39.35	54	-14.65
4874	45.61	AV	H	33.62	7.53	48.36	38.4	54	-15.6
4874	66.84	PK	V	33.62	7.53	48.36	59.63	74	-14.37
4874	65.14	PK	H	33.62	7.53	48.36	57.93	74	-16.07
12786	23.5	AV	V	40.45	12.74	46.65	30.04	54	-23.96
12786	26.19	AV	H	40.45	12.74	46.65	32.73	54	-21.27
12786	46.75	PK	V	40.45	12.74	46.65	53.29	74	-20.71
12786	47.41	PK	H	40.45	12.74	46.65	53.95	74	-20.05

**High Channel (2462 MHz) (n40 mode worst case)**

Frequency (MHz)	S.A. Reading (dB $\mu$ V)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord Amp. (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
4924	49.02	AV	V	33.74	7.78	48.34	42.2	54	-11.8
4924	47.79	AV	H	33.74	7.78	48.34	40.97	54	-13.03
4924	68.26	PK	V	33.74	7.78	48.34	61.44	74	-12.56
4924	64.27	PK	H	33.74	7.78	48.34	57.45	74	-16.55
17787	12.73	AV	V	42.62	18.56	43.6	30.31	54	-23.69
17787	11.94	AV	H	42.62	18.56	43.6	29.52	54	-24.48
17787	31.32	PK	V	42.62	18.56	43.6	48.9	74	-25.1
17787	33.62	PK	H	42.62	18.56	43.6	51.2	74	-22.8

**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 Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch Laboratories and found 30dB below the limit at least.

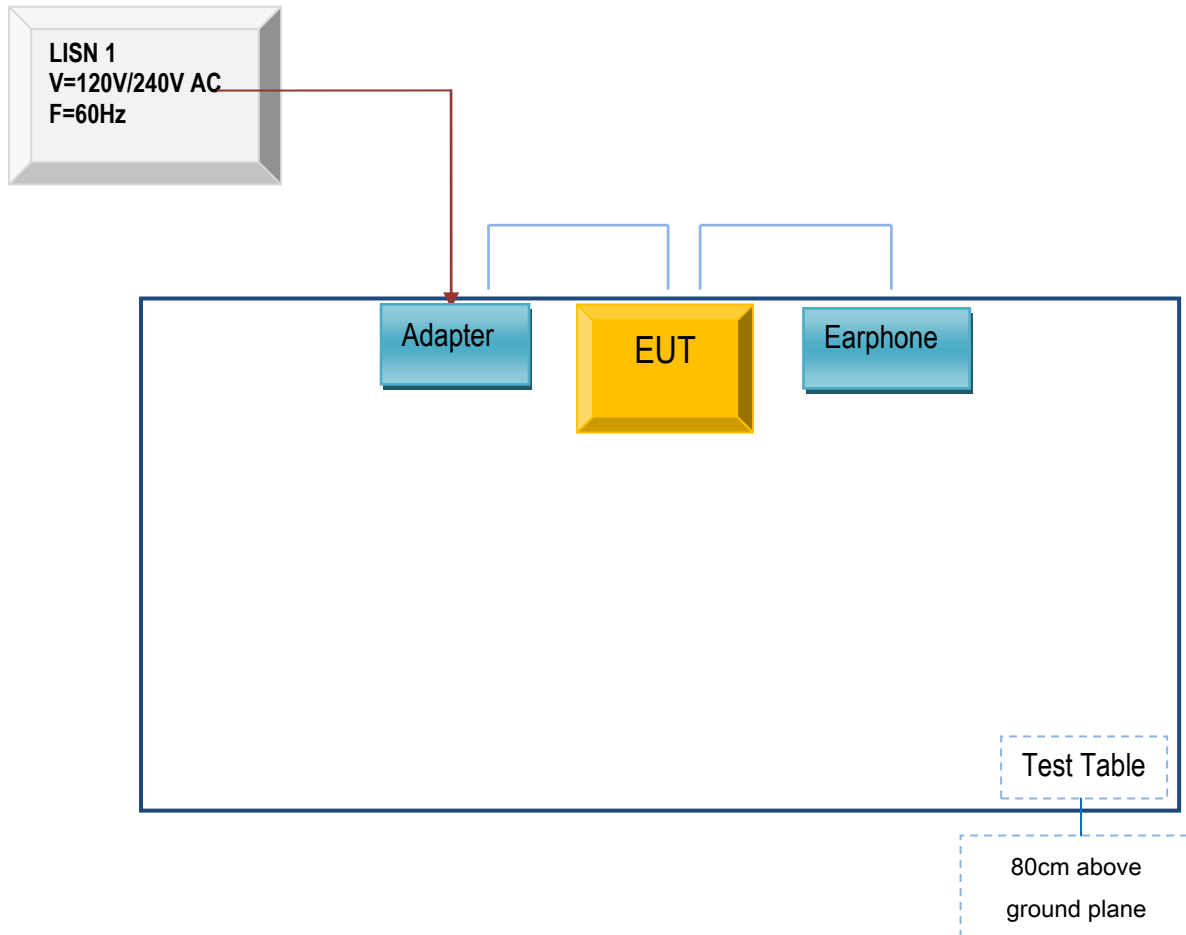
## Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due
<b>AC Line Conducted Emissions</b>				
EMI test receiver	ESCS30	8471241027	01/05/2018	01/04/2019
Artificial Mains Network	8127	8127713	01/05/2018	01/04/2019
ISN	ISN T800	34373	01/05/2018	01/04/2019
<b>Radiated Emissions</b>				
EMI test receiver	ESL6	1300.5001K06- 100262-eQ	01/05/2018	01/04/2019
Active Antenna	AL-130	121031	02/08/2018	02/07/2019
3m Semi-anechoic Chamber	9m*6m*6m	N/A	10/18/2018	10/17/2019
Signal Amplifier	8447E	443008	01/25/2018	01/24/2019
MXA signal analyzer	N9020A	MY49100060	01/05/2018	01/04/2019
Horn Antenna	HAH-118	71259	01/26/2018	01/25/2019
Horn Antenna	HAH-118	71283	02/02/2018	02/01/2019
AMPLIFIER	EM01G26G	60613	01/25/2018	01/24/2019
AMPLIFIER	Emc012645	980077	01/05/2018	01/04/2019
Bilog Antenna (30MHz~6GHz)	JB6	A110712	02/08/2018	02/07/2019
<b>RF Conducted</b>				
DC Power Supply	E3640A	MY40004013	01/05/2018	01/04/2019
MXA Signal Analyzer	N9020A	MY49100060	01/05/2018	01/04/2019
MXG Vector Signal Generator	N5182A	MY50140530	01/05/2018	01/04/2019
Series Signal Generator	E4421B	US40051152	05/12/2018	05/11/2019
RF control unit	JS0806-0806- 2	188060112	04/25/2018	04/24/2019
Wireless Connectivity Tester	CMW270	1201.0002K75- 101601-PE	04/25/2018	04/24/2019
Weinschel	1580-1	TL177	01/05/2018	01/04/2019
Universal Radio Communica	CMU200	121393	02/11/2018	02/10/2019

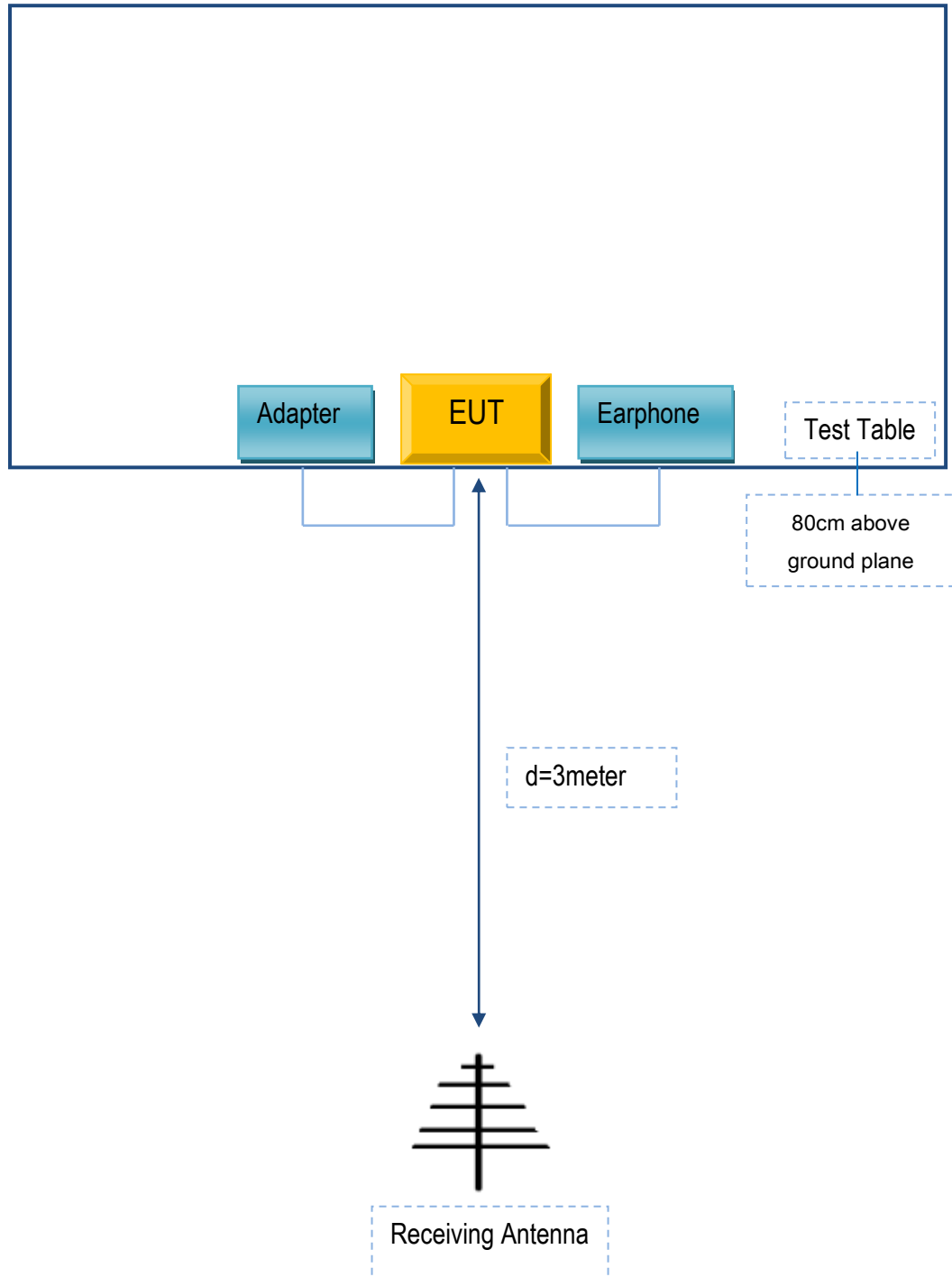
## Annex B. TEST SETUP AND SUPPORTING EQUIPMENT

### Annex B.i. TEST SET UP BLOCK

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

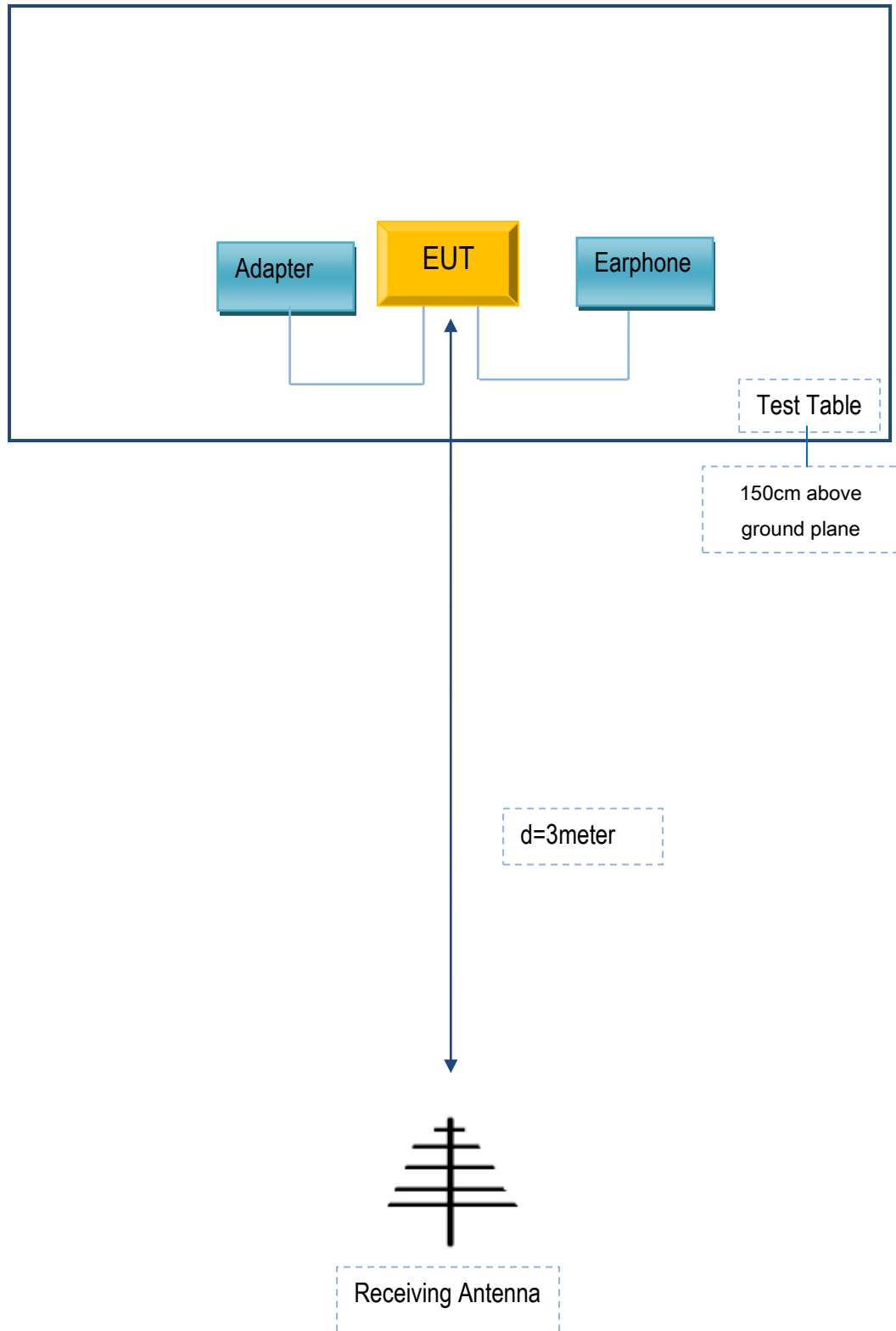


**Block Configuration Diagram for Radiated Emissions ( Below 1GHz ) .**





**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
Cedar Kingdom Corporation Limited	Adapter	V-501C	N/A
Cedar Kingdom Corporation Limited	Earphone	V-501C	N/A

### Supporting Cable:

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

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**Annex C. User Manual / Block Diagram / Schematics / Partlist/  
DECLARATION OF SIMILARITY**

**Please see the attachment**