

# RF TEST REPORT



Report No.: 17070376-FCC-R2 V1

Supersede Report No.: N/A

Applicant	INFINIX MOBILITY LIMITED	
Product Name	Mobile phone	
Model No.	X572	
Serial No.	N/A	
Test Standard	FCC Part 15.247: 2016, ANSI C63.10: 2013	
Test Date	May 19 to June 12&21, 2017	
Issue Date	June 22, 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"/>
Vera . Zhang	David Huang	
Vera Zhang 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.	17070376-FCC-R2 V1
Page	3 of 62

---

This page has been left blank intentionally.

## CONTENTS

1. REPORT REVISION HISTORY .....	5
2. CUSTOMER INFORMATION .....	5
3. TEST SITE INFORMATION.....	5
4. EQUIPMENT UNDER TEST (EUT) INFORMATION .....	6
5. TEST SUMMARY .....	9
6. MEASUREMENTS, EXAMINATION AND DERIVED RESULTS .....	10
6.1 ANTENNA REQUIREMENT.....	10
6.2 DTS (6 DB&20 DB) CHANNEL BANDWIDTH.....	11
6.3 MAXIMUM OUTPUT POWER .....	17
6.4 POWER SPECTRAL DENSITY.....	21
6.5 BAND-EDGE & UNWANTED EMISSIONS INTO RESTRICTED FREQUENCY BANDS .....	25
6.6 AC POWER LINE CONDUCTED EMISSIONS.....	31
6.7 RADIATED EMISSIONS & RESTRICTED BAND .....	37
ANNEX A. TEST INSTRUMENT.....	44
ANNEX B. EUT AND TEST SETUP PHOTOGRAPHS.....	45
ANNEX C. TEST SETUP AND SUPPORTING EQUIPMENT.....	57
ANNEX D. USER MANUAL / BLOCK DIAGRAM / SCHEMATICS / PARTLIST .....	61
ANNEX E. DECLARATION OF SIMILARITY .....	62

## 1. Report Revision History

Report No.	Report Version	Description	Issue Date
17070376-FCC-R2	NONE	Original	June 13, 2017
17070376-FCC-R2 V1	V1	Added the Radiated Emission test data (9kHz-30MHz)	June 22, 2017

## 2. Customer information

Applicant Name	INFINIX MOBILITY LIMITED
Applicant Add	RMS 05-15, 13A/F SOUTH TOWER WORLD FINANCE CTR HARBOUR CITY 17 CANTON RD TST KLN HONG KONG
Manufacturer	SHENZHEN TECNO TECHNOLOGY CO.,LTD.
Manufacturer Add	1-4th Floor,3rd Building,Pacific Industrial Park,No.2088,Shenyan Road,Yantian District,Shenzhen,Guangdong,China

## 3. Test site information

Lab performing tests	SIEMIC (Shenzhen-China) LABORATORIES
Lab Address	Zone A, Floor 1, Building 2 Wan Ye Long Technology Park South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China 518108
FCC Test Site No.	718246
IC Test Site No.	4842E-1
Test Software of Radiated Emission	Radiated Emission Program-To Shenzhen v2.0
Test Software of Conducted Emission	EZ-EMC(ver.lcp-03A1)

#### **4. Equipment under Test (EUT) Information**

Description of EUT: Mobile phone

Main Model: X572

Serial Model: N/A

Date EUT received: May 18, 2017

Test Date(s): May 19 to June 12&21, 2017

Equipment Category : DTS

Antenna Gain:  
GSM850:-3.2dBi  
PCS1900:-0.29dBi  
UMTS-FDD Band V: -3.2dBi  
UMTS-FDD Band IV: -2.98dBi  
UMTS-FDD Band II: -0.29dBi  
LTE Band II: 1.7dBi  
LTE Band IV: -2.98dBi  
LTE Band VII: 2.5dBi  
WIFI(2.4G): 1.35dBi  
WIFI(5150-5250MHz): -2.2 dBi  
WIFI(5250-5350MHz): -2.2 dBi  
WIFI(5725-5850MHz): -2.2 dBi  
Bluetooth/BLE: 1.35dBi  
GPS: -0.29dBi

Antenna Type: PIFA antenna

Test Report No.	17070376-FCC-R2 V1
Page	7 of 62

GSM / GPRS: GMSK

EGPRS: GMSK,8PSK

UMTS-FDD: QPSK

LTE Band: QPSK, 16QAM

Type of Modulation:

802.11b: DSSS

802.11a/g/n20/n40: OFDM

Bluetooth: GFSK, π /4DQPSK, 8DPSK

BLE: GFSK

GPS: BPSK

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

LTE Band II TX: 1850.7~ 1909.3 MHz; RX : 1930.7 ~ 1989.3 MHz

LTE Band IV TX: 1710.7 ~ 1754.3 MHz; RX : 2110.7 ~ 2154.3 MHz

LTE Band VII TX: 2502.5 ~ 2567.5 MHz; RX : 2622.5 ~ 2687.5 MHz

802.11b/g: 2412-2462 MHz (TX/RX)

802.11n20: 2412-2462MHz ;5180-5320 MHz;

5745-5825 MHz; (TX/RX)

802.11n40: 2422-2452 MHz (TX/RX); 5190-5310 MHz;

5755-5795 MHz; (TX/RX)

802.11 a: 5180-5320 MHz; 5745-5825 MHz (TX/RX)

Bluetooth& BLE: 2402-2480 MHz

GPS: 1575.42 MHz

802.11b: 13.02dBm

802.11g: 10.94dBm

Max. Output Power:

802.11n(20M): 11.28dBm

802.11n(40M): 11.50dBm

Test Report No.	17070376-FCC-R2 V1
Page	8 of 62

GSM 850: 124CH  
PCS1900: 299CH  
UMTS-FDD Band V: 102CH  
UMTS-FDD Band IV: 202CH  
UMTS-FDD Band II: 277CH  
WIFI :802.11b/g: 11CH  
WIFI :802.11a: 24CH  
WIFI :802.11n20: 11CH(2.4GHz); 24CH(5GHz)  
WIFI :802.11n40: 9CH(2.4GHz); 12CH(5GHz)  
Bluetooth: 79CH  
BLE: 40CH  
GPS:1CH

Number of Channels:

Port: USB Port, Earphone Port

Adapter:

Model: CQ-18KX  
Input: AC100-240V~50/60Hz,600mA  
Output: DC 5.0V-9V,2A  
DC 9V-12V,1.5A

Input Power:

Battery :  
Model: BL-42AX  
Spec: 3.85V,4200mAh/4300mAh (min/typ)  
16.17Wh/16.55Wh (min/typ)  
Limited Charge Voltage: 4.4V

Trade Name :

Infinix

FCC ID:

2AIZN-X572

## 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 3 antennas:

A permanently attached PIFA antenna for Bluetooth/BLE/2.4G WIFI/5G WIFI/GPS, the gain is 1.35dBi for Bluetooth/BLE/2.4G WIFI, the gain is -2.2dBi for 5G WIFI(5150-5250MHz) / (5250-5350MHz)/ (5725-5850MHz), the gain is -0.29dBi for GPS.

A permanently attached PIFA antenna for GSM/PCS/UMTS, the gain is -3.2dBi for GSM850, -0.29dBi for PCS1900, -3.2dBi for UMTS-FDD Band V, -2.98dBi for UMTS-FDD Band IV, -0.29dBi for UMTS-FDD Band II.

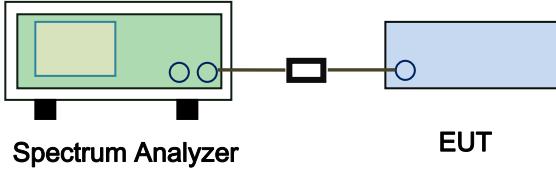
A permanently attached PIFA antenna for LTE Band II/IV/VII, the gain is 1.7dBi for LTE Band II, the gain is -2.98dBi for LTE Band IV, the gain is 2.5dBi for LTE Band VII.

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

**Result:** Compliance.

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

Temperature	22°C
Relative Humidity	56%
Atmospheric Pressure	1020mbar
Test date :	May 26, 2017
Tested By :	Vera Zhang

Spec	Item	Requirement	Applicable
§ 15.247(a)(2)	a)	6dB BW $\geq$ 500kHz; 20dB BW $\geq$ 500kHz;	<input checked="" type="checkbox"/>
	b)	99% BW: For FCC reference only; required by IC.	<input checked="" type="checkbox"/>
Test Setup	 <b>Spectrum Analyzer</b> <b>EUT</b>		
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</math> 3 <math>\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</math> 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

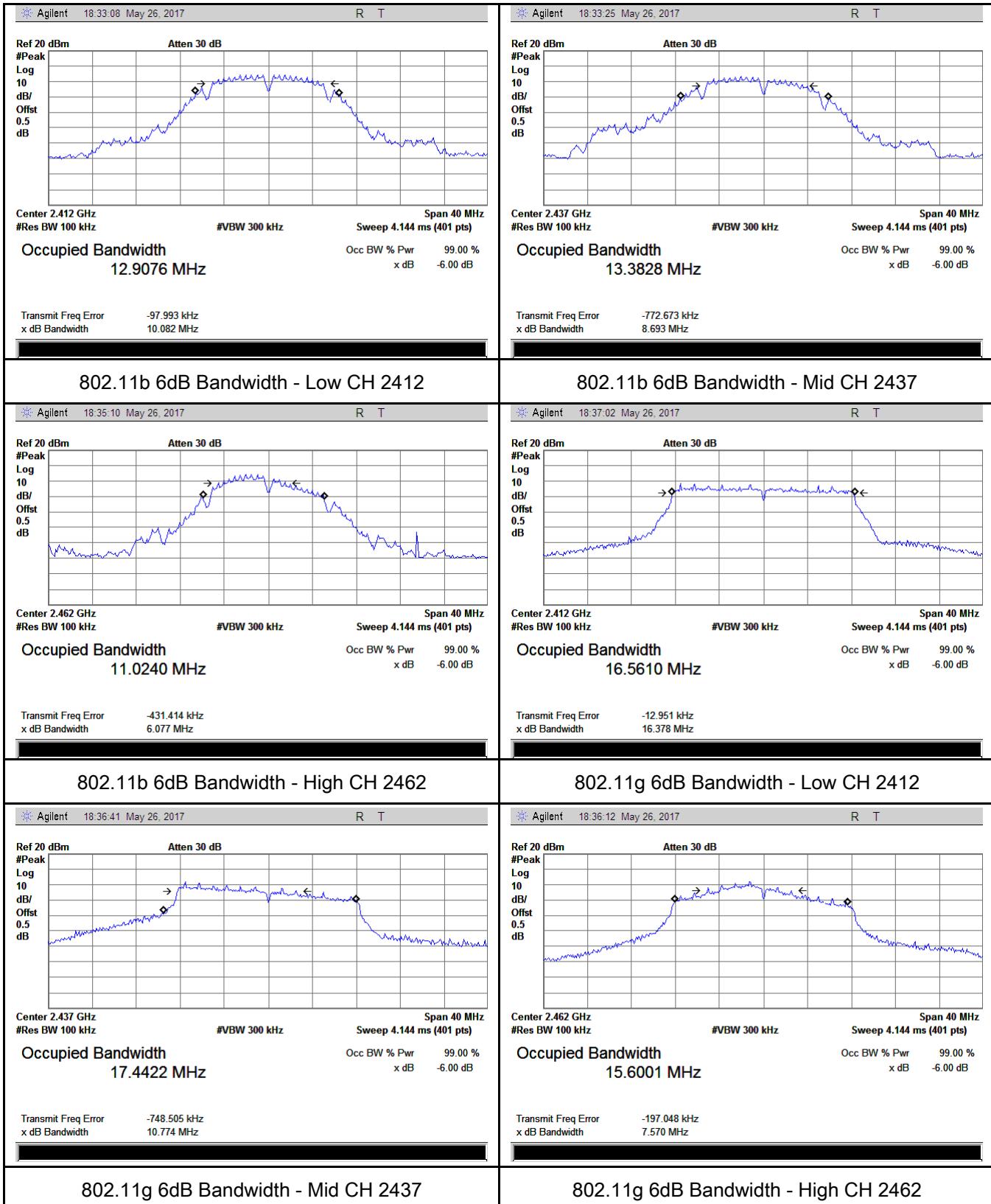
Test Plot  Yes (See below)  N/A

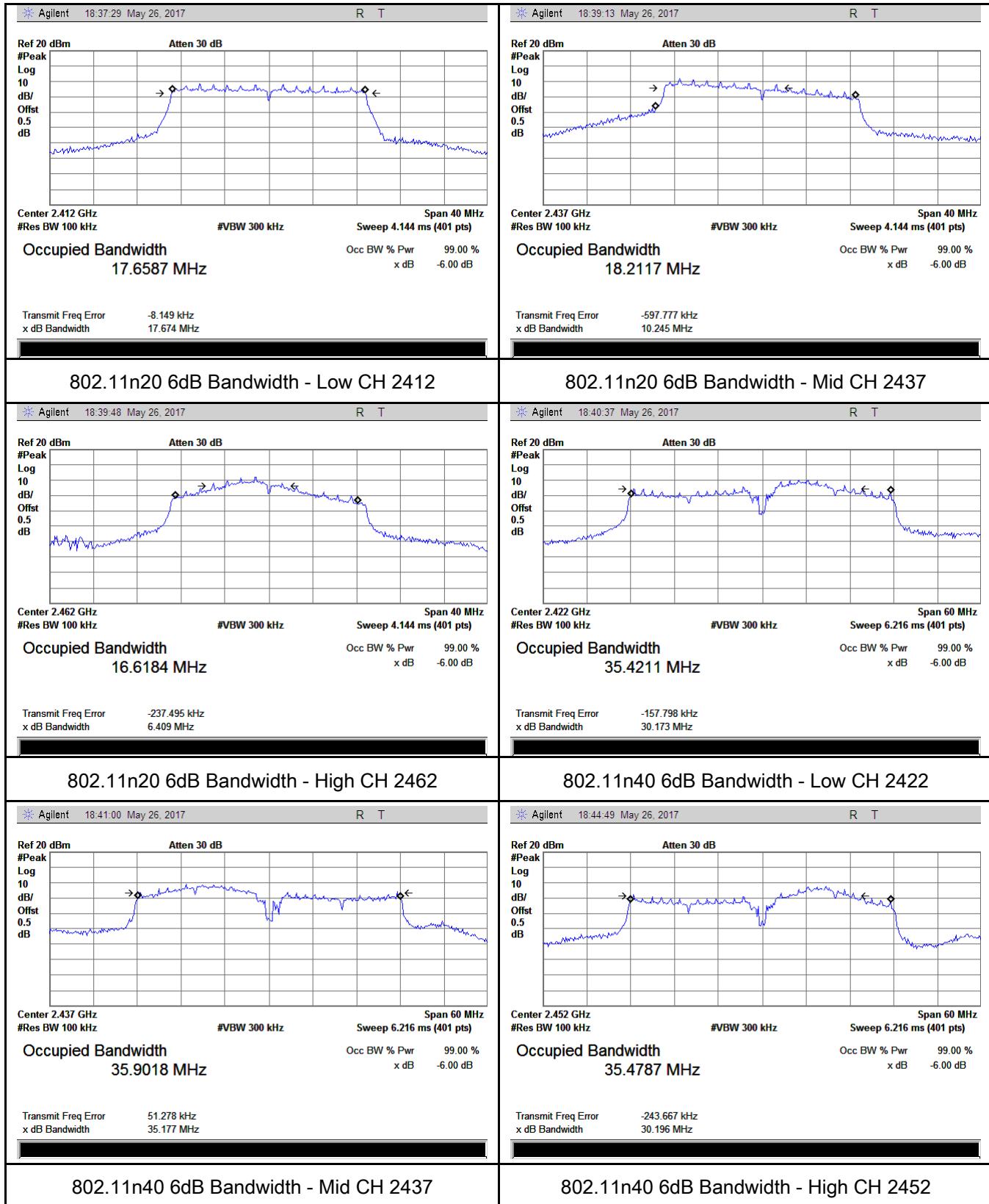
#### Measurement result

Test mode	CH	Freq (MHz)	6dB Bandwidth (MHz)	20dB Bandwidth (MHz)	Limit (MHz)
802.11b	Low	2412	10.082	14.893	$\geq 0.5$
	Mid	2437	8.693	15.254	$\geq 0.5$
	High	2462	6.077	15.146	$\geq 0.5$
802.11g	Low	2412	16.378	19.224	$\geq 0.5$
	Mid	2437	10.774	19.416	$\geq 0.5$
	High	2462	7.570	18.198	$\geq 0.5$
802.11n (20M)	Low	2412	17.674	19.580	$\geq 0.5$
	Mid	2437	10.245	20.684	$\geq 0.5$
	High	2462	6.409	18.896	$\geq 0.5$
802.11n (40M)	Low	2422	30.173	38.556	$\geq 0.5$
	Mid	2437	35.177	39.238	$\geq 0.5$
	High	2452	30.196	38.448	$\geq 0.5$

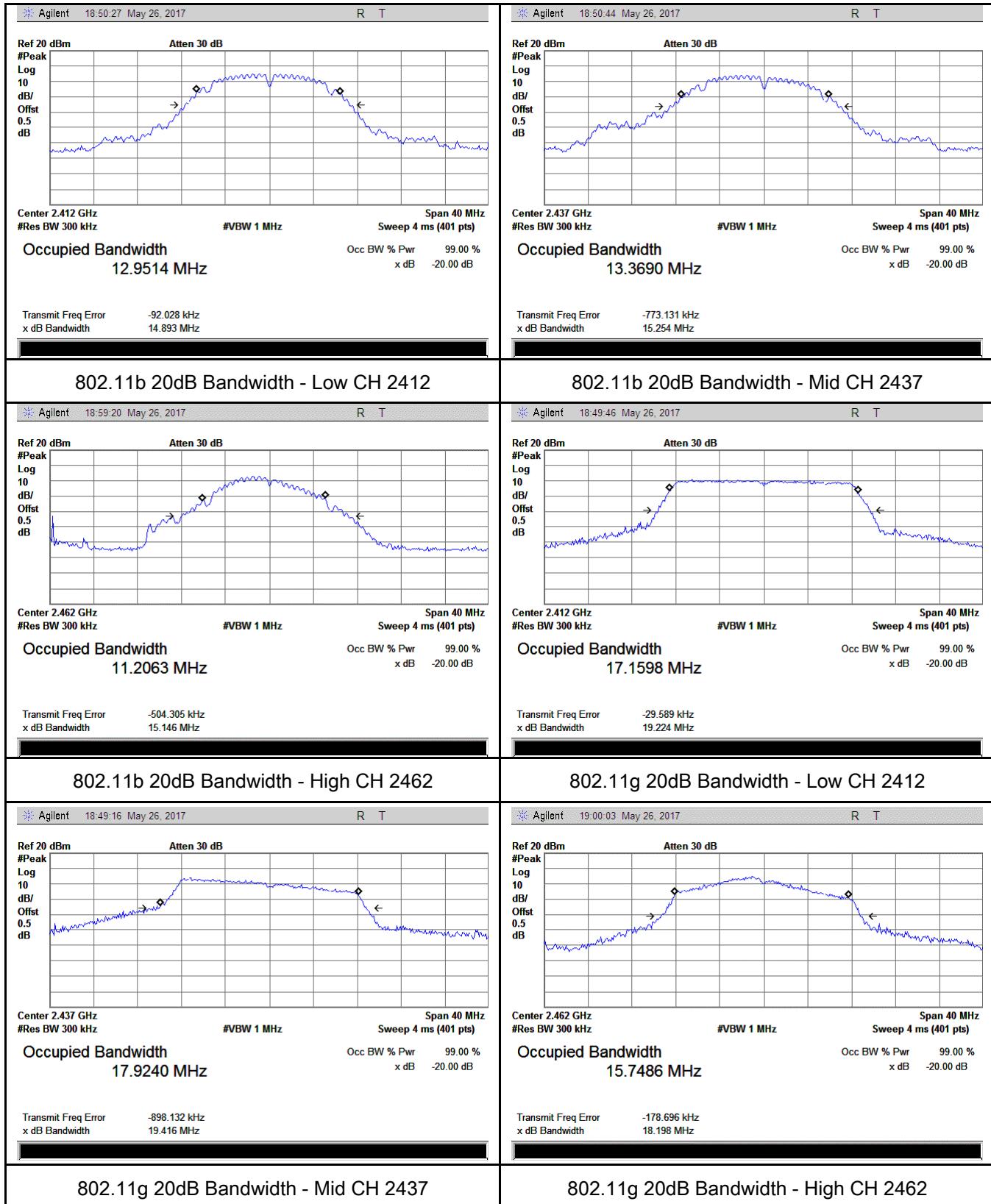
## Test Plots

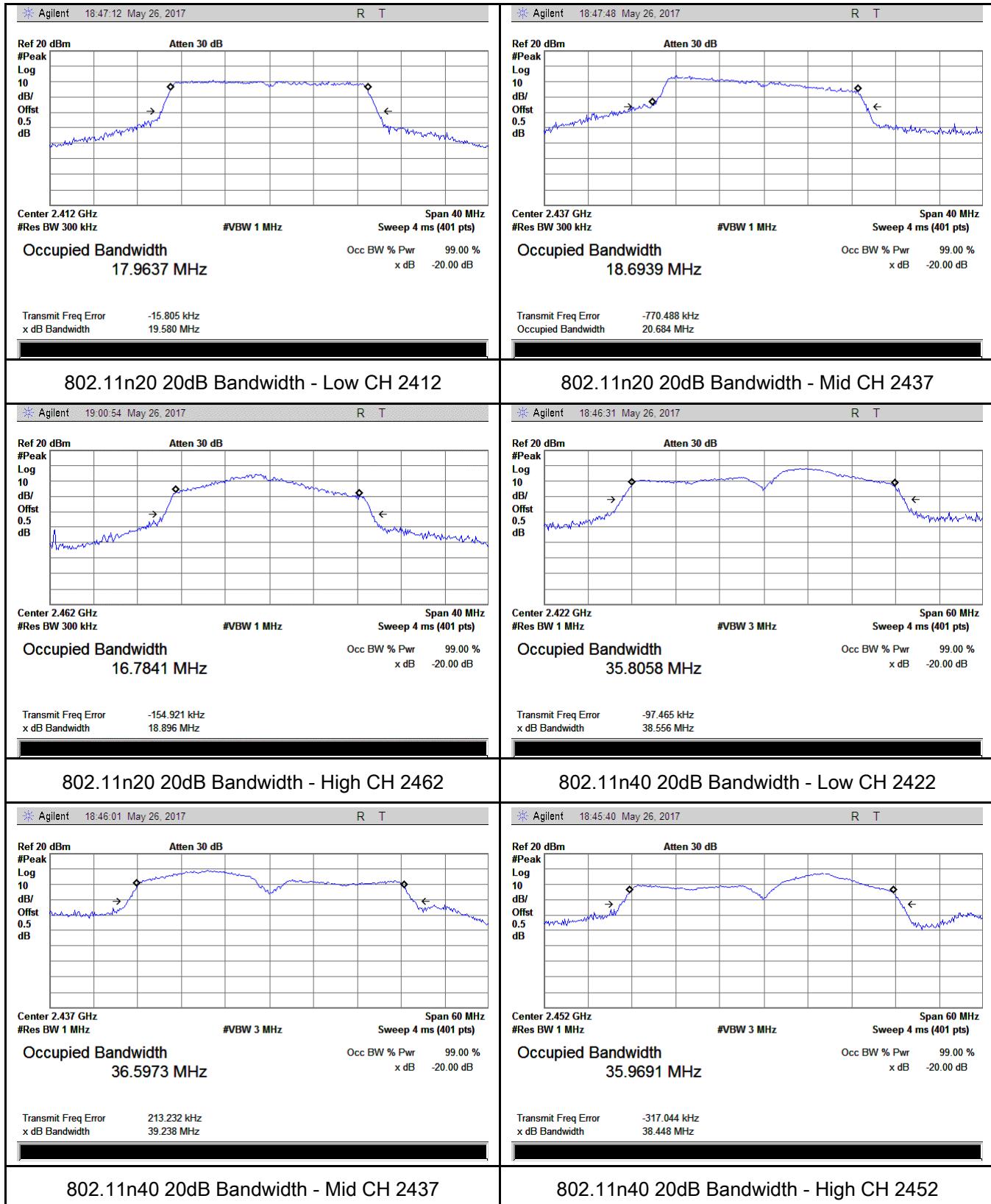
### 6dB Bandwidth measurement result





## 20 dB Bandwidth measurement result

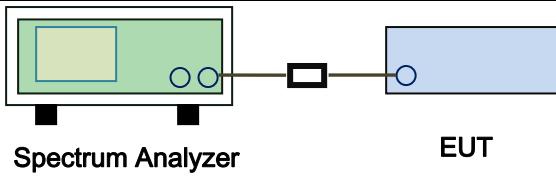




### 6.3 Maximum Output Power

Temperature	22°C
Relative Humidity	56%
Atmospheric Pressure	1020mbar
Test date :	May 26, 2017
Tested By :	Vera Zhang

#### 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		 <b>Spectrum Analyzer</b> <b>EUT</b>	
Test Procedure		<p>558074 D01 DTS MEAS Guidance v03r03, 9.1.2 Integrated band power method</p> <p>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</math> 3 x RBW.</li> <li>- d) Number of points in sweep <math>\geq</math> 2 <math>\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;</math> 98 %, 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

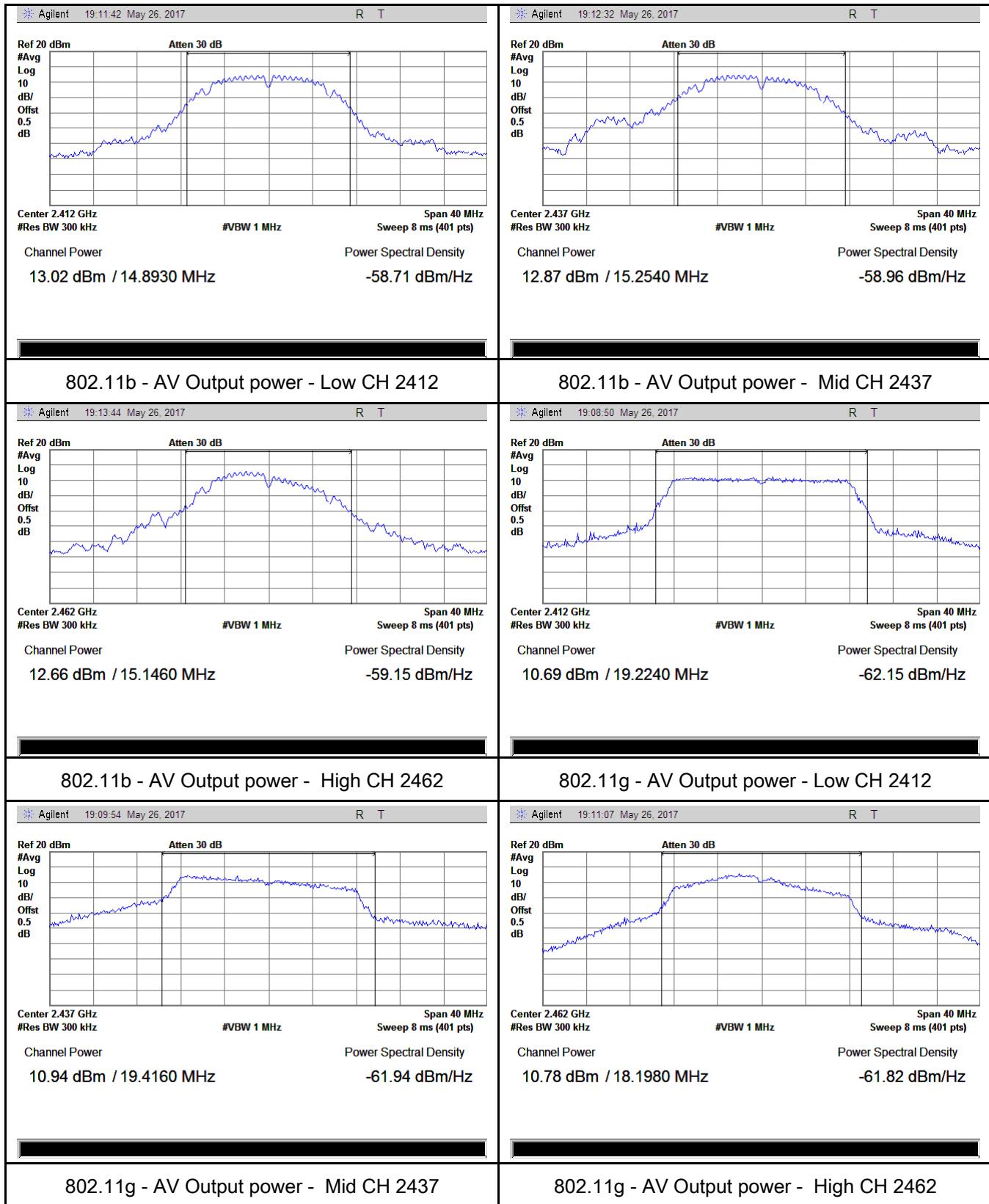
Test Plot  Yes (See below)  N/A

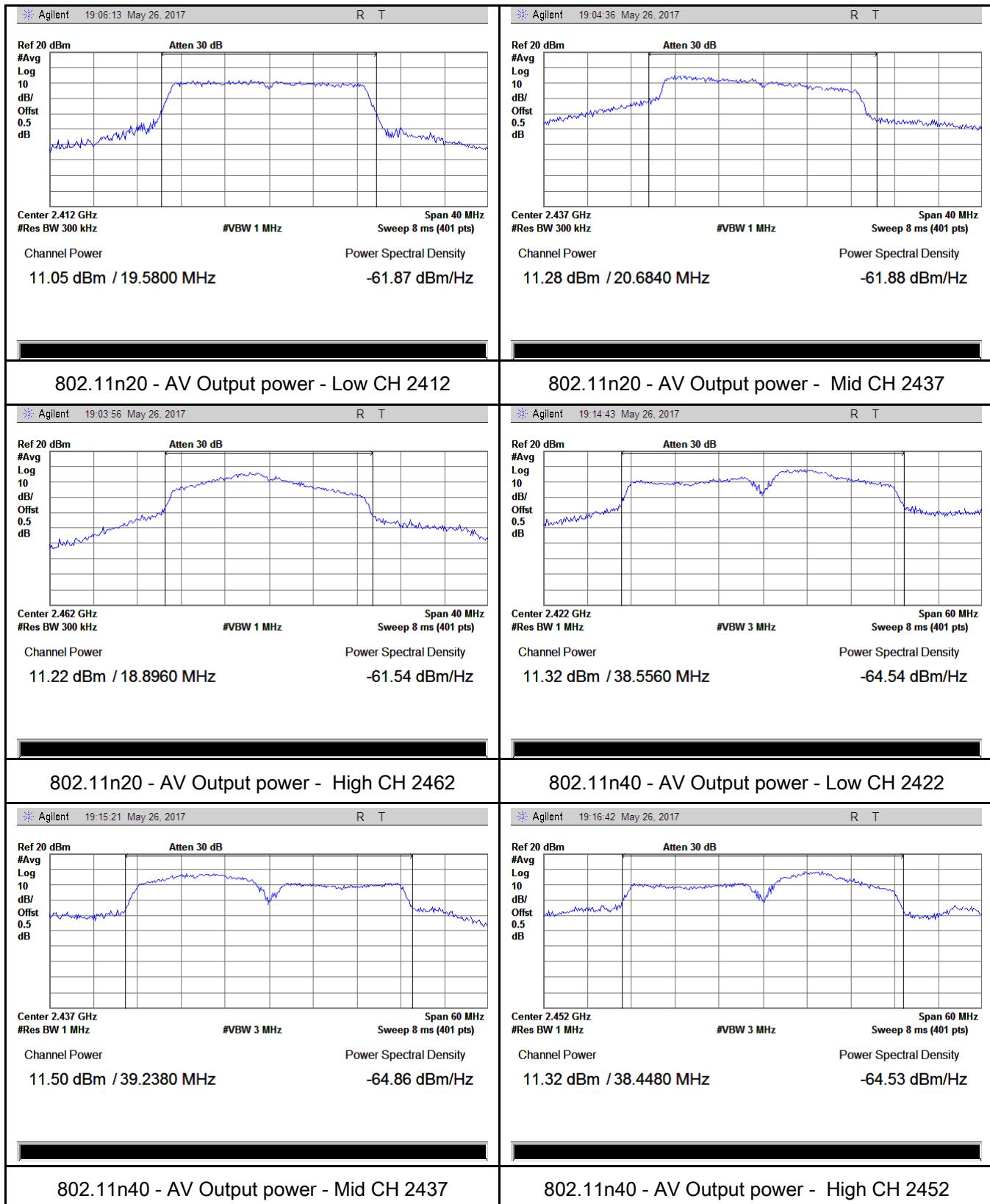
#### Output Power measurement result

Type	Test mode	CH	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Result
Output power	802.11b	Low	2412	13.02	30	Pass
		Mid	2437	12.87	30	Pass
		High	2462	12.66	30	Pass
	802.11g	Low	2412	10.69	30	Pass
		Mid	2437	10.94	30	Pass
		High	2462	10.78	30	Pass
	802.11n (20M)	Low	2412	11.05	30	Pass
		Mid	2437	11.28	30	Pass
		High	2462	11.22	30	Pass
	802.11n (40M)	Low	2422	11.32	30	Pass
		Mid	2437	11.50	30	Pass
		High	2452	11.32	30	Pass

## Test Plots

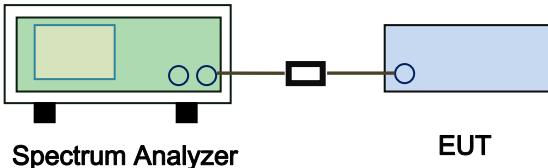
### The Average Power





## 6.4 Power Spectral Density

Temperature	22°C
Relative Humidity	56%
Atmospheric Pressure	1020mbar
Test date :	May 26, 2017
Tested By :	Vera Zhang

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		

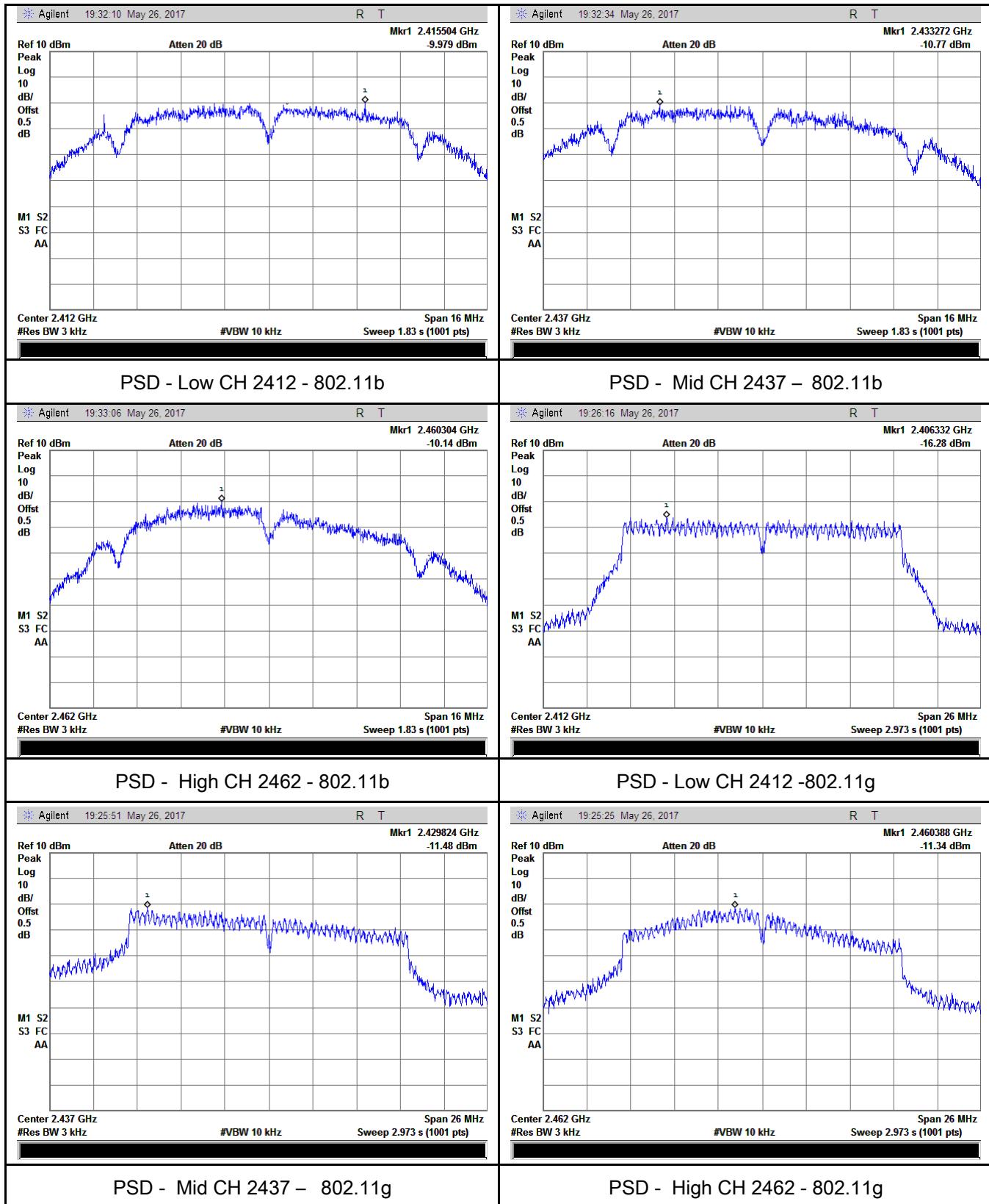
**Test Data**     Yes     N/A  
**Test Plot**     Yes (See below)     N/A

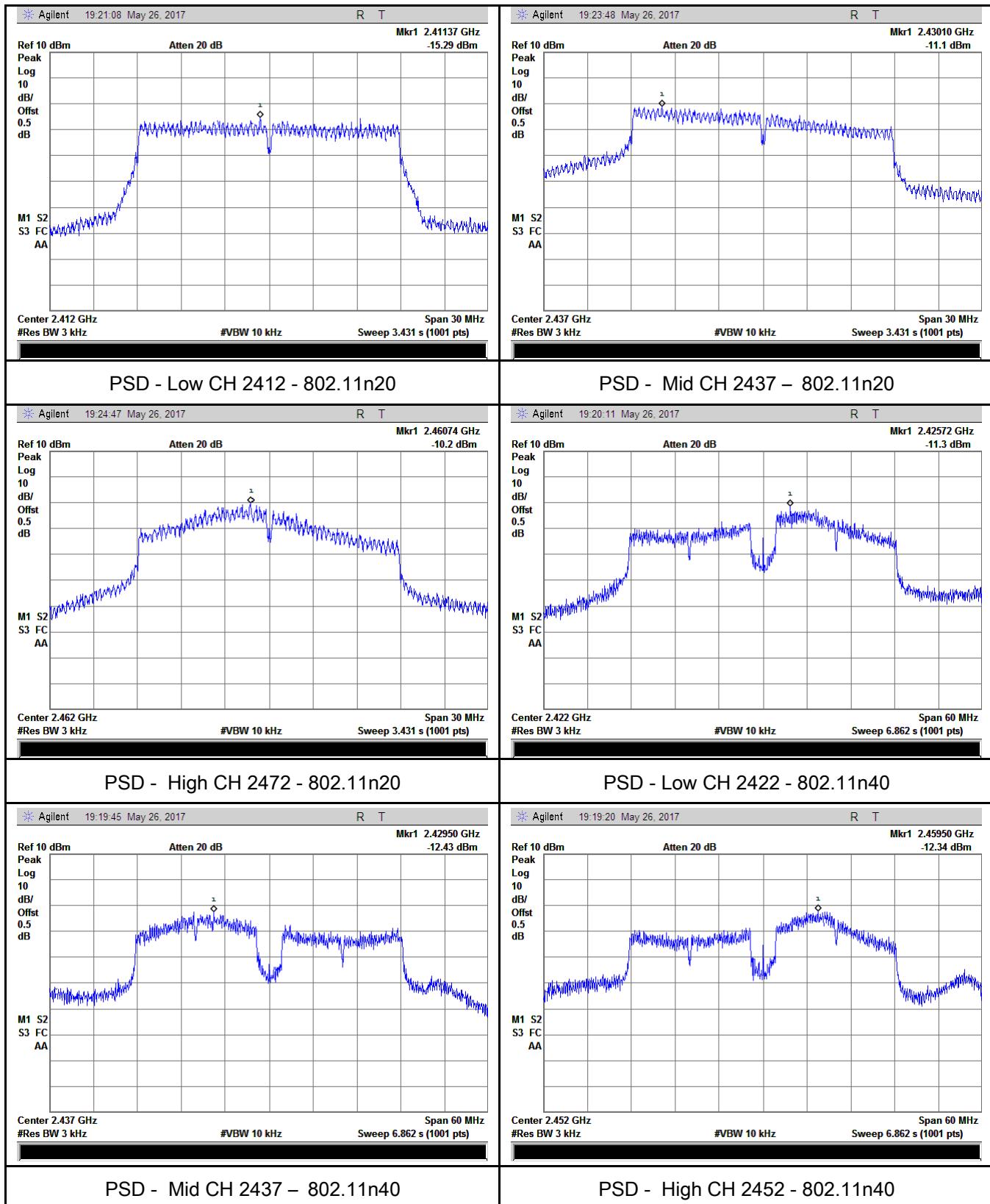
### Power Spectral Density measurement result

Type	Test mode	CH	Freq (MHz)	PSD	Limit (dBm)	Result
				(dBm)		
PSD	802.11b	Low	2412	-9.979	8	Pass
		Mid	2437	-10.77	8	Pass
		High	2462	-10.14	8	Pass
	802.11g	Low	2412	-16.28	8	Pass
		Mid	2437	-11.48	8	Pass
		High	2462	-11.34	8	Pass
	802.11n (20M)	Low	2412	-15.29	8	Pass
		Mid	2437	-11.10	8	Pass
		High	2462	-10.20	8	Pass
	802.11n (40M)	Low	2422	-11.30	8	Pass
		Mid	2437	-12.43	8	Pass
		High	2452	-12.34	8	Pass

## Test Plots

### Power Spectral Density measurement result

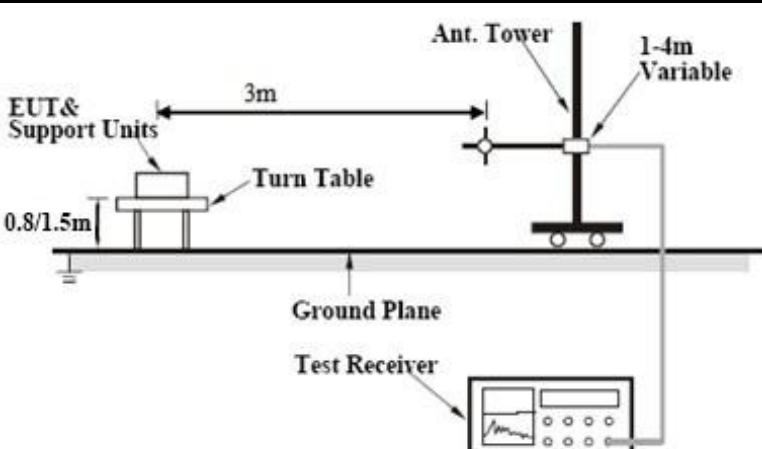




## 6.5 Band-Edge & Unwanted Emissions into Restricted Frequency Bands

Temperature	22°C
Relative Humidity	57%
Atmospheric Pressure	1025mbar
Test date :	May 31, 2017
Tested By :	Vera Zhang

### 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>		

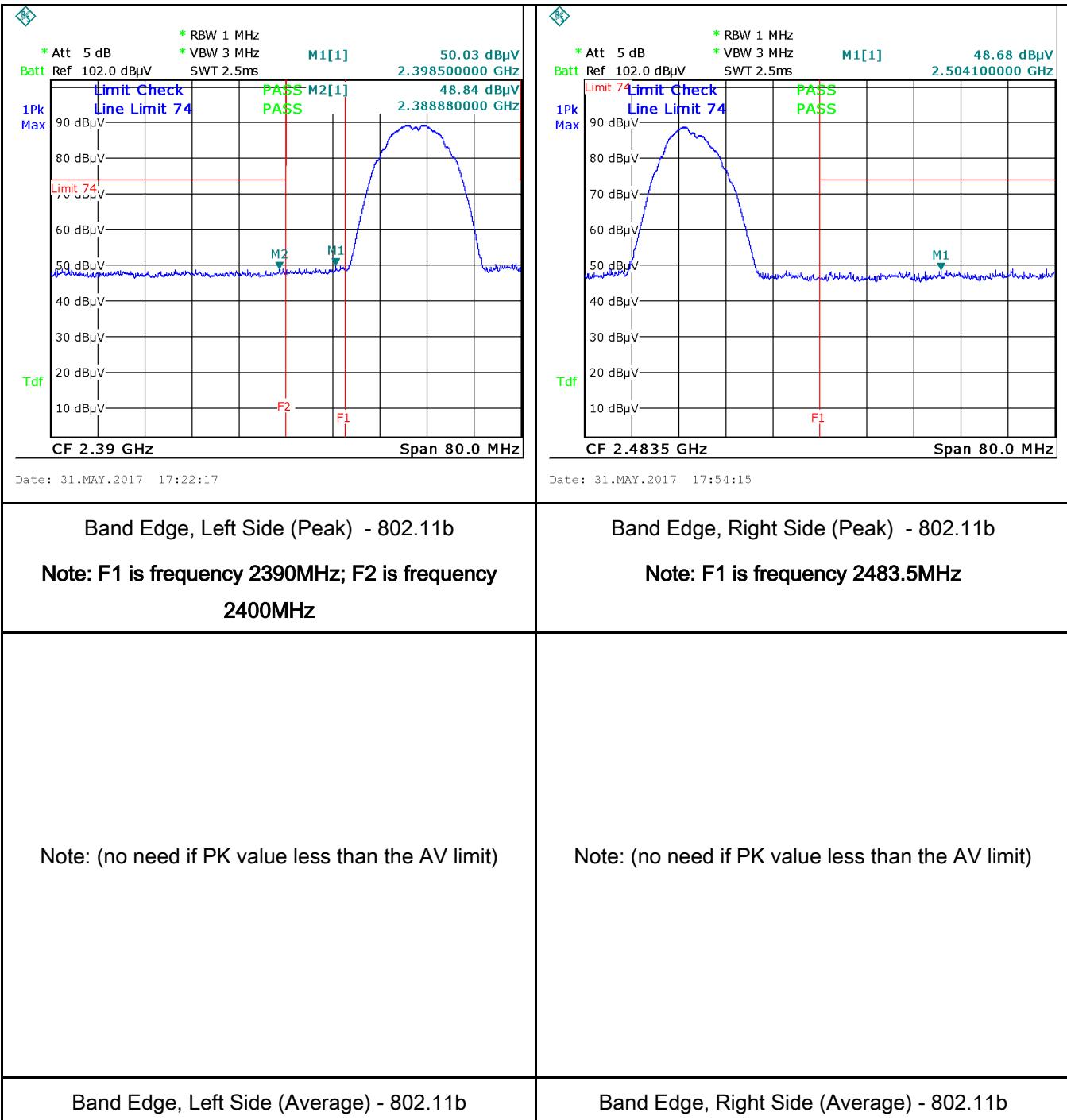
	<ul style="list-style-type: none"> <li>- 3. First, set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100kHz bandwidth from band edge, check the emission of EUT, if pass then set Spectrum Analyzer as below: <ul style="list-style-type: none"> <li>a. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasiy 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

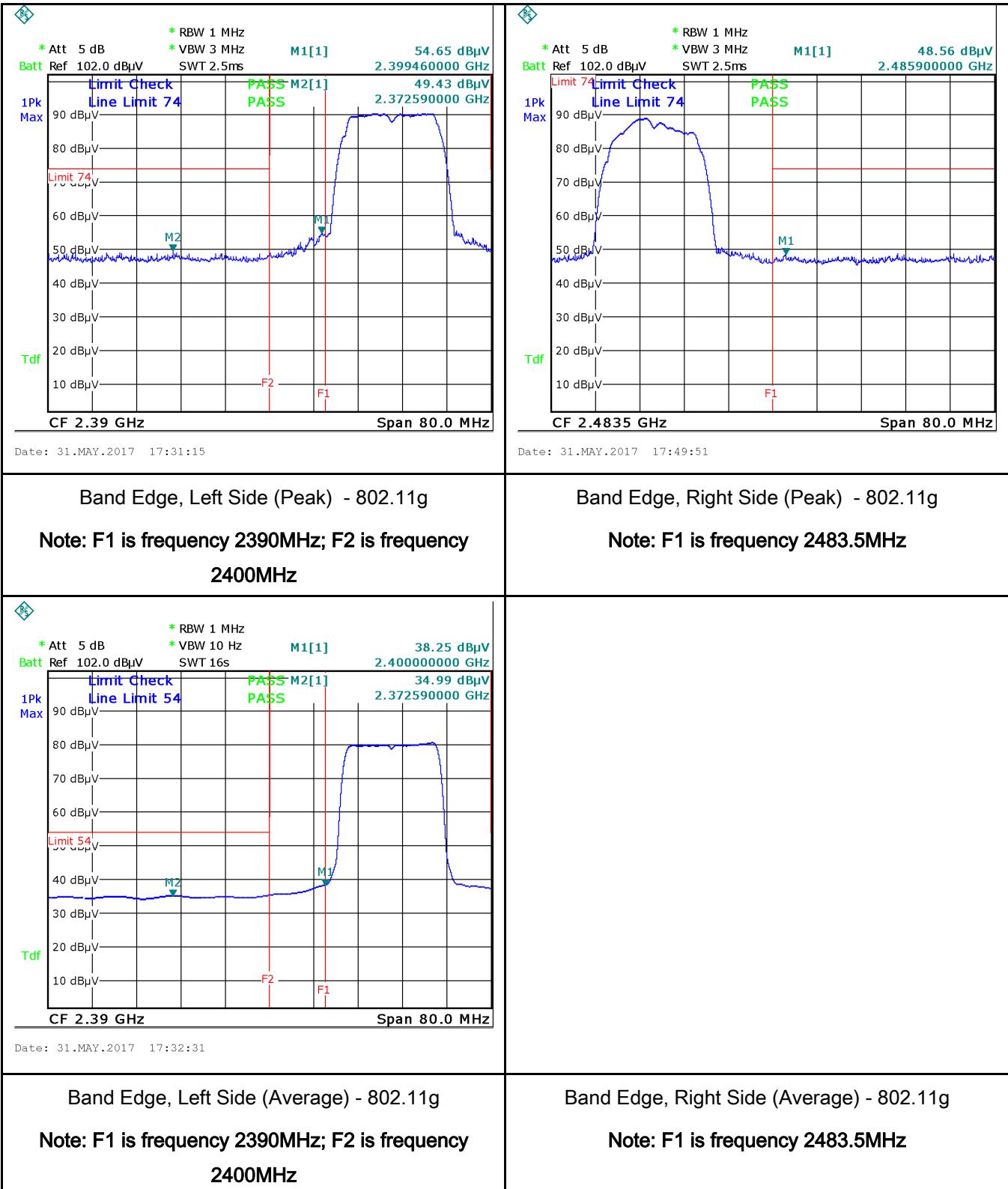
Test Plot     Yes (See below)       N/A

## Test Plots

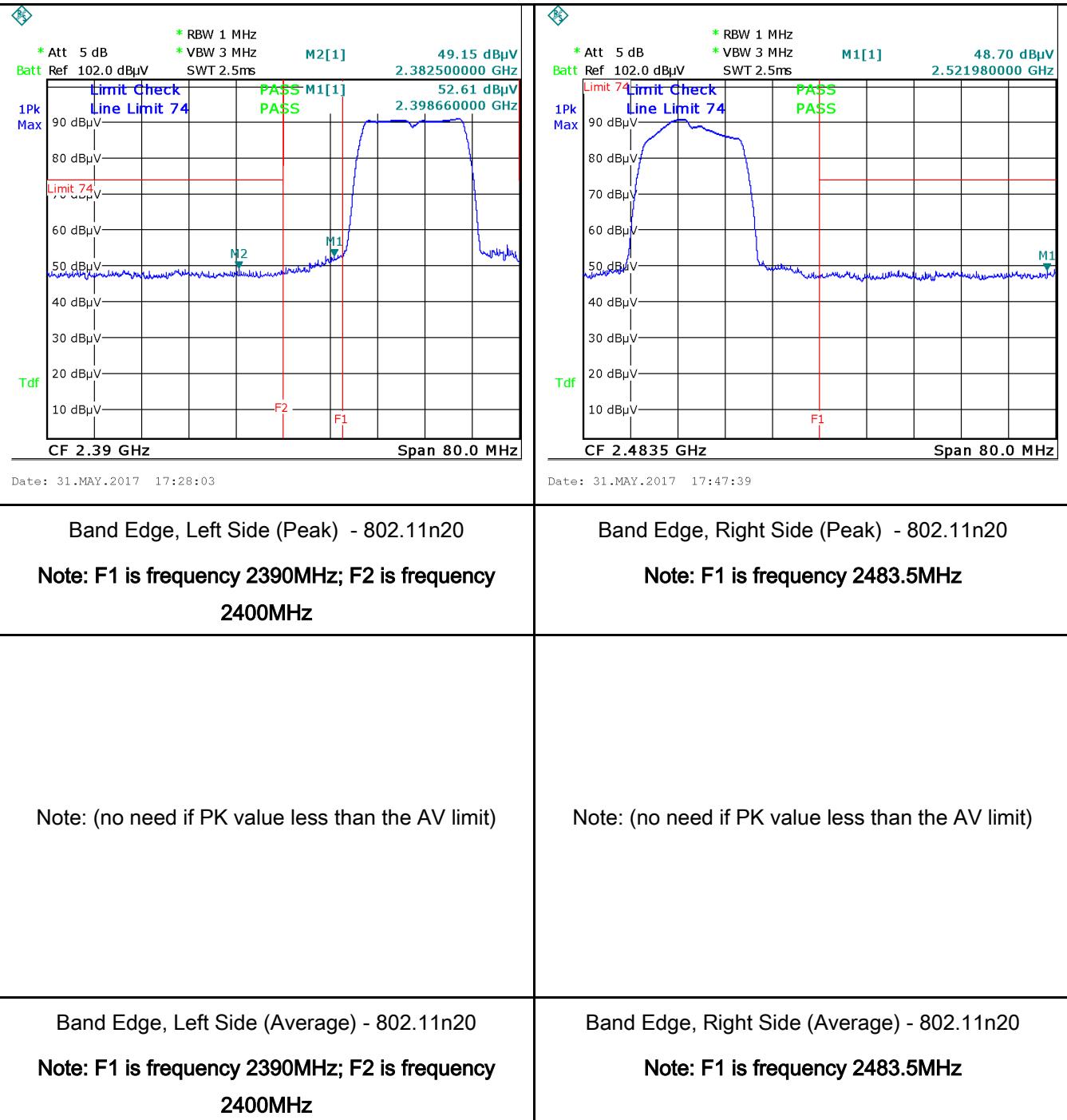
### Band Edge measurement result



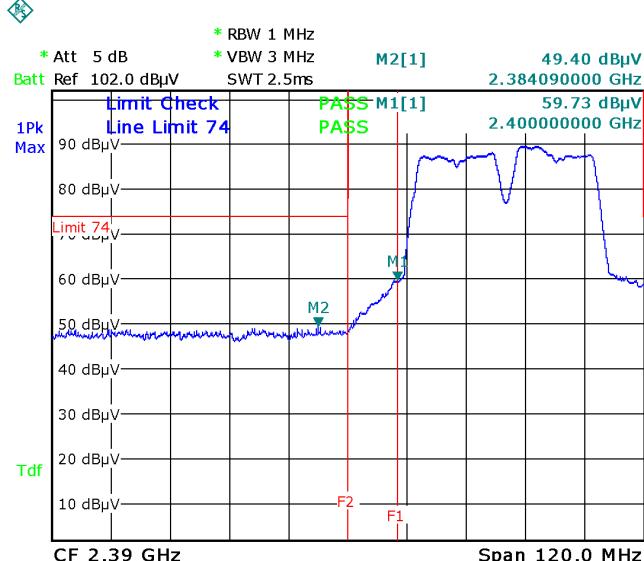
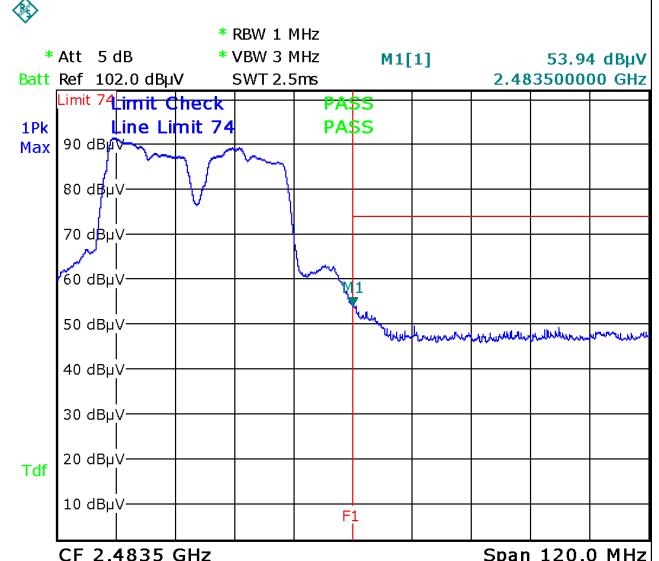
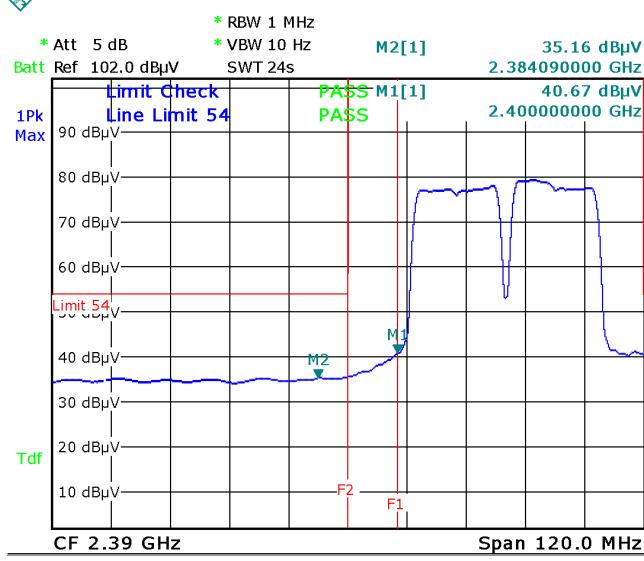
Note: Both Horizontal and vertical polarities were investigated



Note: Both Horizontal and vertical polarities were investigated



Note: Both Horizontal and vertical polarities were investigated

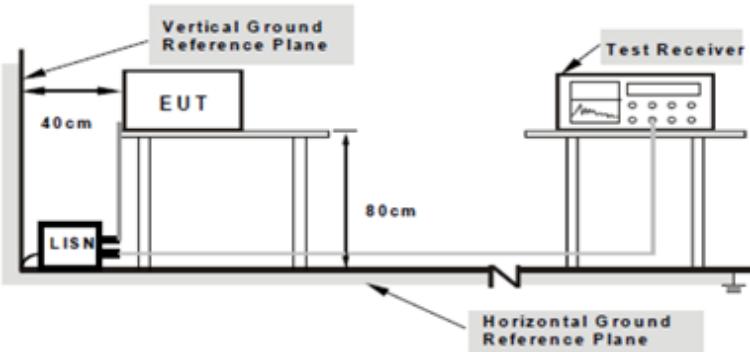
 <p>* RBW 1 MHz * Att 5 dB Batt Ref 102.0 dB<math>\mu</math>V Limit Check Line Limit 74 1Pk Max 90 dB<math>\mu</math>V Tdf 2.384090000 GHz M2[1] 49.40 dB<math>\mu</math>V 2.384090000 GHz M1[1] 59.73 dB<math>\mu</math>V 2.400000000 GHz F2 F1 CF 2.39 GHz Span 120.0 MHz</p>	 <p>* RBW 1 MHz * Att 5 dB Batt Ref 102.0 dB<math>\mu</math>V Limit 74 Limit Check Line Limit 74 1Pk Max 90 dB<math>\mu</math>V Tdf 2.483500000 GHz M1[1] 53.94 dB<math>\mu</math>V 2.483500000 GHz M1 F1 CF 2.4835 GHz Span 120.0 MHz</p>
<p>Date: 31.MAY.2017 17:37:38</p> <p>Band Edge, Left Side (Peak) - 802.11n40</p> <p>Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz</p>	<p>Date: 31.MAY.2017 17:42:51</p> <p>Band Edge, Right Side (Peak) - 802.11n40</p> <p>Note: F1 is frequency 2483.5MHz</p>
 <p>* RBW 1 MHz * Att 5 dB Batt Ref 102.0 dB<math>\mu</math>V Limit Check Line Limit 54 1Pk Max 90 dB<math>\mu</math>V Tdf 2.384090000 GHz M2[1] 35.16 dB<math>\mu</math>V 2.384090000 GHz M1[1] 40.67 dB<math>\mu</math>V 2.400000000 GHz F2 F1 CF 2.39 GHz Span 120.0 MHz</p>	<p>Note: (no need if PK value less than the AV limit)</p>
<p>Date: 31.MAY.2017 17:38:25</p> <p>Band Edge, Left Side (Average) - 802.11n40</p> <p>Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz</p>	<p>Band Edge, Right Side (Average) - 802.11n40</p> <p>Note: F1 is frequency 2483.5MHz</p>

Note: Both Horizontal and vertical polarities were investigated

## 6.6 AC Power Line Conducted Emissions

Temperature	22°C
Relative Humidity	57%
Atmospheric Pressure	1025mbar
Test date :	May 31, 2017
Tested By :	Vera Zhang

### Requirement(s):

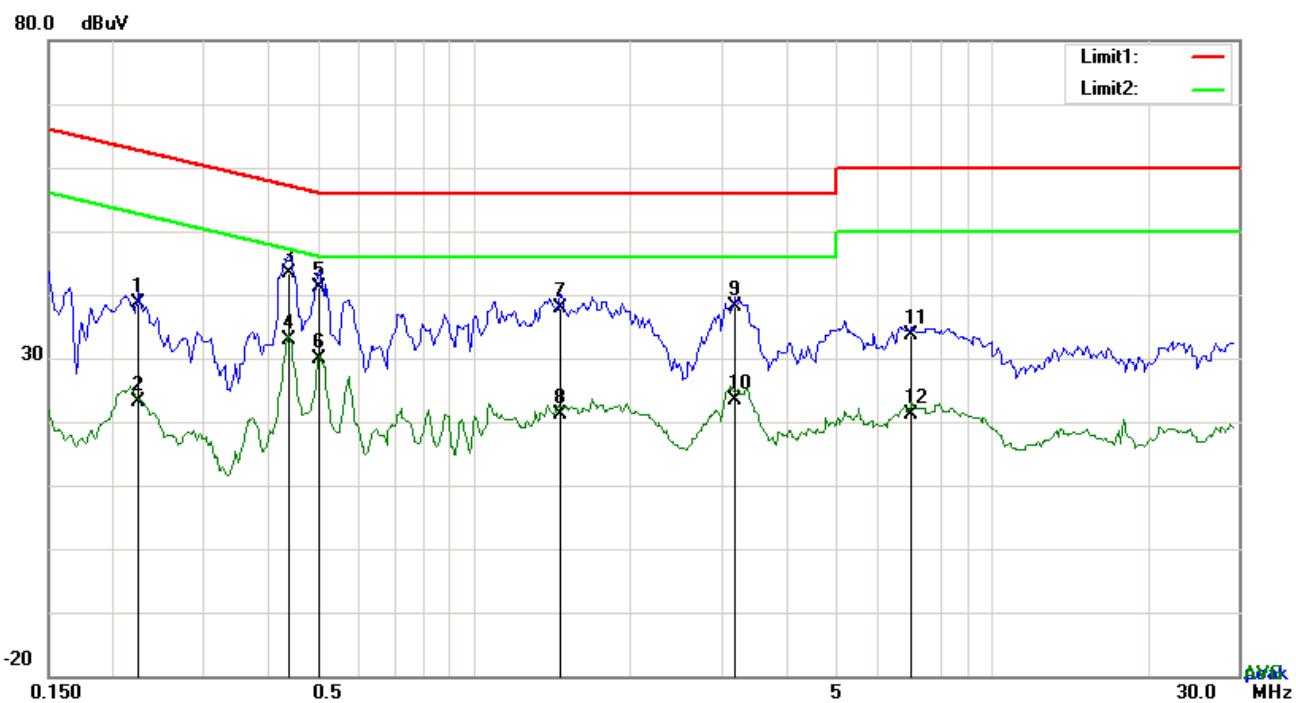
Spec	Item	Requirement	Applicable														
47CFR§15. 207, RSS210 (A8.1)	a)	<p>For Low-power radio-frequency devices that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within 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.</p> <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	<input checked="" type="checkbox"/>
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>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>																

	<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

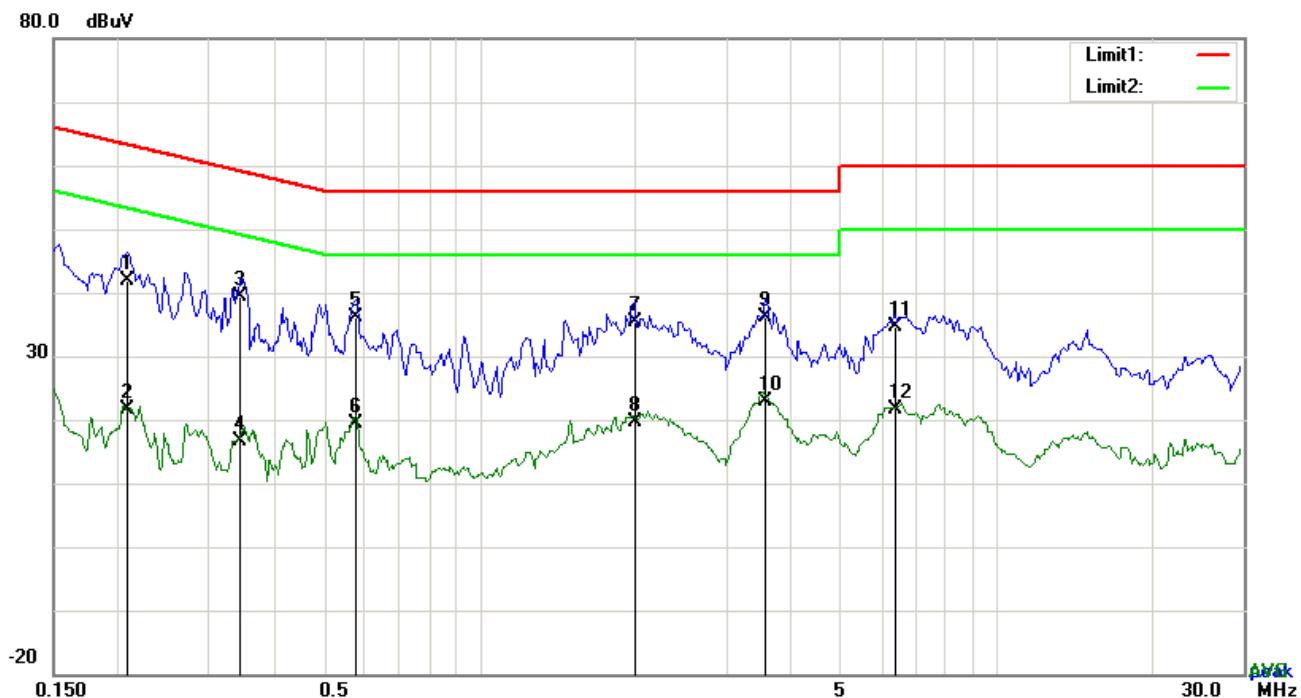


### Test Data

Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected (dB)	Result (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)
1	L1	0.2241	28.54	QP	10.03	38.57	62.67	-24.10
2	L1	0.2241	13.03	AVG	10.03	23.06	52.67	-29.61
3	L1	0.4386	33.35	QP	10.03	43.38	57.09	-13.71
4	L1	0.4386	22.84	AVG	10.03	32.87	47.09	-14.22
5	L1	0.5010	31.04	QP	10.03	41.07	56.00	-14.93
6	L1	0.5010	19.77	AVG	10.03	29.80	46.00	-16.20
7	L1	1.4682	27.94	QP	10.04	37.98	56.00	-18.02
8	L1	1.4682	11.02	AVG	10.04	21.06	46.00	-24.94
9	L1	3.1794	27.97	QP	10.06	38.03	56.00	-17.97
10	L1	3.1794	13.44	AVG	10.06	23.50	46.00	-22.50
11	L1	6.9975	23.51	QP	10.11	33.62	60.00	-26.38
12	L1	6.9975	11.10	AVG	10.11	21.21	50.00	-28.79

**Test Mode:** Transmitting Mode

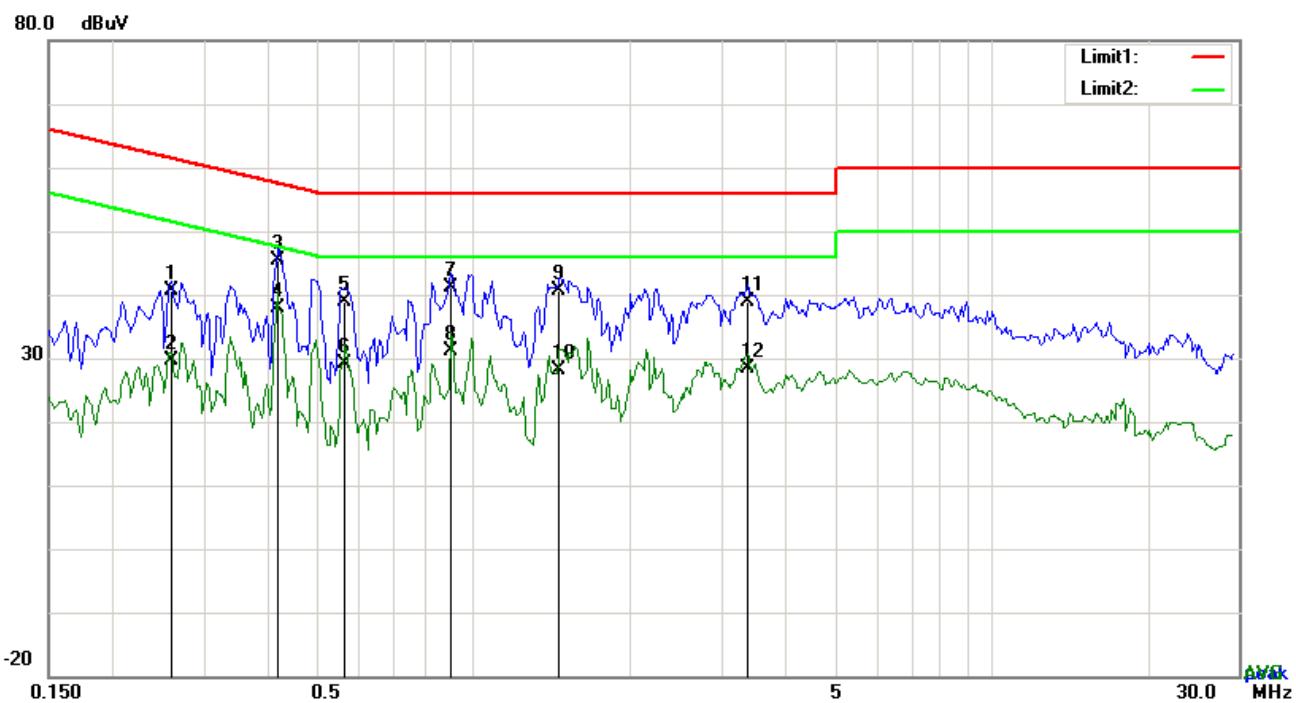


### Test Data

Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected (dB)	Result (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)
1	N	0.2085	31.76	QP	10.02	41.78	63.26	-21.48
2	N	0.2085	11.65	AVG	10.02	21.67	53.26	-31.59
3	N	0.3450	29.25	QP	10.02	39.27	59.08	-19.81
4	N	0.3450	6.49	AVG	10.02	16.51	49.08	-32.57
5	N	0.5790	26.15	QP	10.02	36.17	56.00	-19.83
6	N	0.5790	9.26	AVG	10.02	19.28	46.00	-26.72
7	N	1.9908	25.30	QP	10.04	35.34	56.00	-20.66
8	N	1.9908	9.66	AVG	10.04	19.70	46.00	-26.30
9	N	3.5694	26.01	QP	10.06	36.07	56.00	-19.93
10	N	3.5694	12.81	AVG	10.06	22.87	46.00	-23.13
11	N	6.3618	24.43	QP	10.09	34.52	60.00	-25.48
12	N	6.3618	11.42	AVG	10.09	21.51	50.00	-28.49

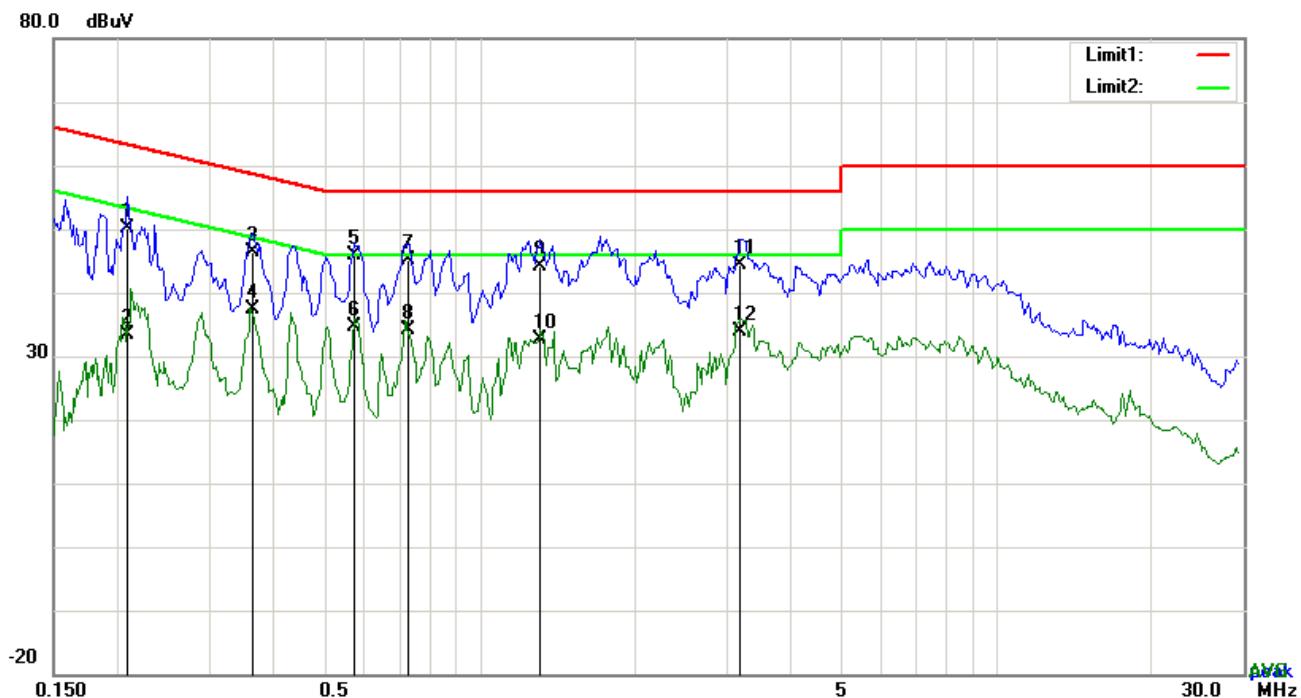
**Test Mode:** Transmitting Mode



Phase Line Plot at 240Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected (dB)	Result (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)
1	L1	0.2592	30.57	QP	10.03	40.60	61.46	-20.86
2	L1	0.2592	19.58	AVG	10.03	29.61	51.46	-21.85
3	L1	0.4152	35.42	QP	10.03	45.45	57.54	-12.09
4	L1	0.4152	27.83	AVG	10.03	37.86	47.54	-9.68
5	L1	0.5634	28.73	QP	10.03	38.76	56.00	-17.24
6	L1	0.5634	19.22	AVG	10.03	29.25	46.00	-16.75
7	L1	0.9027	30.99	QP	10.03	41.02	56.00	-14.98
8	L1	0.9027	21.14	AVG	10.03	31.17	46.00	-14.83
9	L1	1.4604	30.50	QP	10.04	40.54	56.00	-15.46
10	L1	1.4604	18.04	AVG	10.04	28.08	46.00	-17.92
11	L1	3.3666	28.77	QP	10.06	38.83	56.00	-17.17
12	L1	3.3666	18.33	AVG	10.06	28.39	46.00	-17.61

**Test Mode:** Transmitting Mode



### Test Data

Phase Neutral Plot at 240Vac, 60Hz

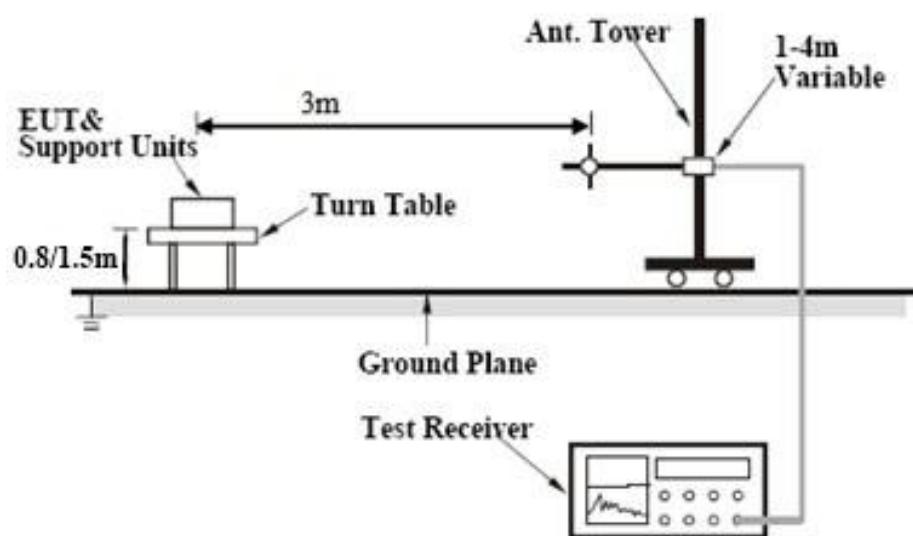
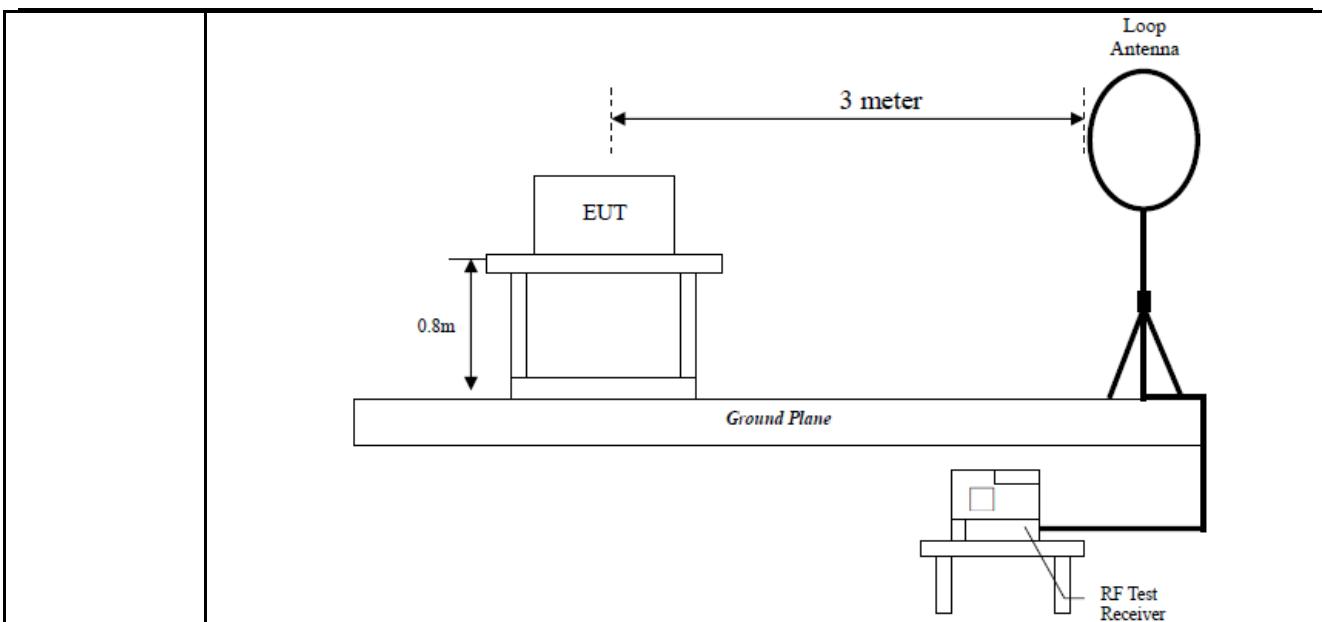
No.	P/L	Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected (dB)	Result (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)
1	N	0.2085	40.10	QP	10.02	50.12	63.26	-13.14
2	N	0.2085	23.39	AVG	10.02	33.41	53.26	-19.85
3	N	0.3645	36.38	QP	10.02	46.40	58.63	-12.23
4	N	0.3645	27.26	AVG	10.02	37.28	48.63	-11.35
5	N	0.5712	35.81	QP	10.02	45.83	56.00	-10.17
6	N	0.5712	24.65	AVG	10.02	34.67	46.00	-11.33
7	N	0.7311	35.18	QP	10.02	45.20	56.00	-10.80
8	N	0.7311	24.02	AVG	10.02	34.04	46.00	-11.96
9	N	1.3161	34.14	QP	10.03	44.17	56.00	-11.83
10	N	1.3161	22.49	AVG	10.03	32.52	46.00	-13.48
11	N	3.2067	34.26	QP	10.05	44.31	56.00	-11.69
12	N	3.2067	23.94	AVG	10.05	33.99	46.00	-12.01

## 6.7 Radiated Emissions & Restricted Band

Temperature	22°C
Relative Humidity	57%
Atmospheric Pressure	1025mbar
Test date :	May 31&June 21, 2017
Tested By :	Vera Zhang

### 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 (<math>\mu</math>V/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 ( $\mu$ V/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 ( $\mu$ V/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)	or restricted band, emission must also comply with the radiated emission limits specified in 15.209	<input checked="" type="checkbox"/>																



- Procedure**
1. The EUT was switched on and allowed to warm up to its normal operating condition.
  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:
    - a. Vertical or horizontal polarization (whichever gave the higher emission level over a full rotation of the EUT) was chosen.
    - b. The EUT was then rotated to the direction that gave the maximum emission.
    - c. Finally, the antenna height was adjusted to the height that gave the maximum emission.
  3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is

	<p>120 kHz for Quasiy Peak detection at frequency below 1GHz.</p> <p>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.</p> <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. (MHz)	Detection value	Factor (dB/m)	Reading (dBuV/m)	Result (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)
--	--	--	--	--	--	>20
--	--	--	--	--	--	>20

Note:

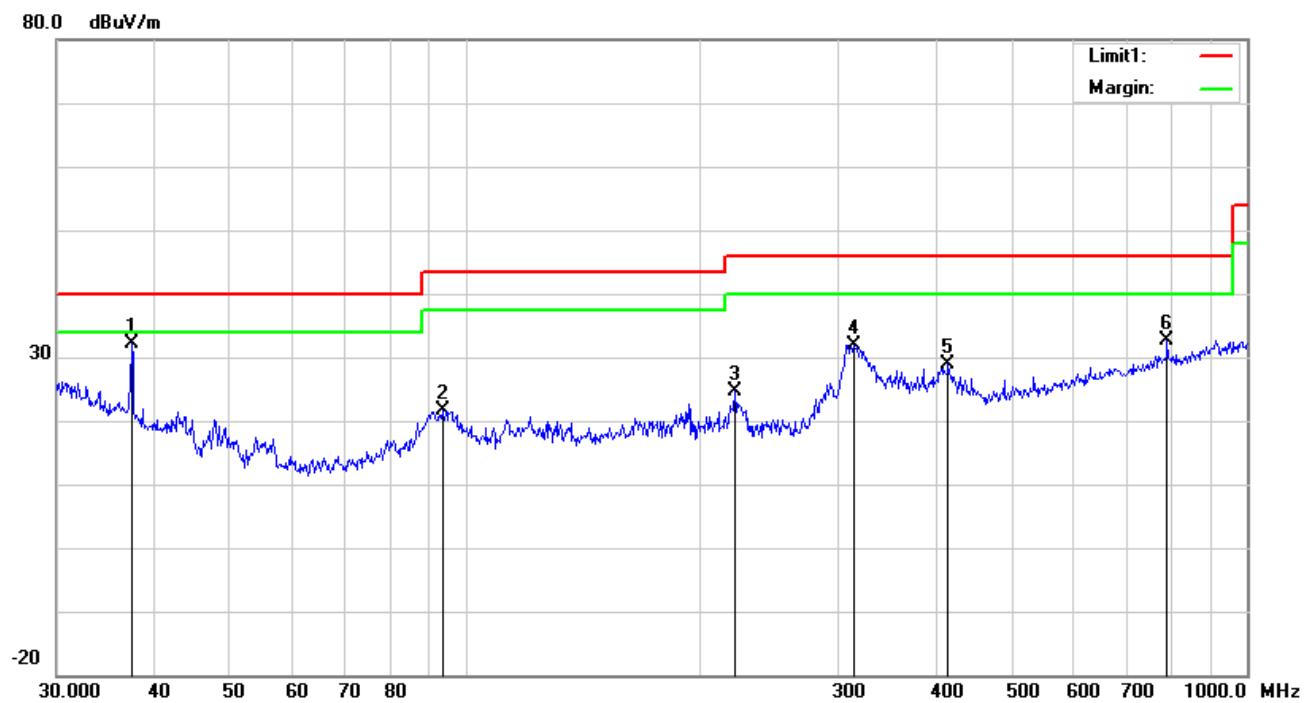
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

**Test Mode:** Transmitting Mode

**30MHz -1GHz**

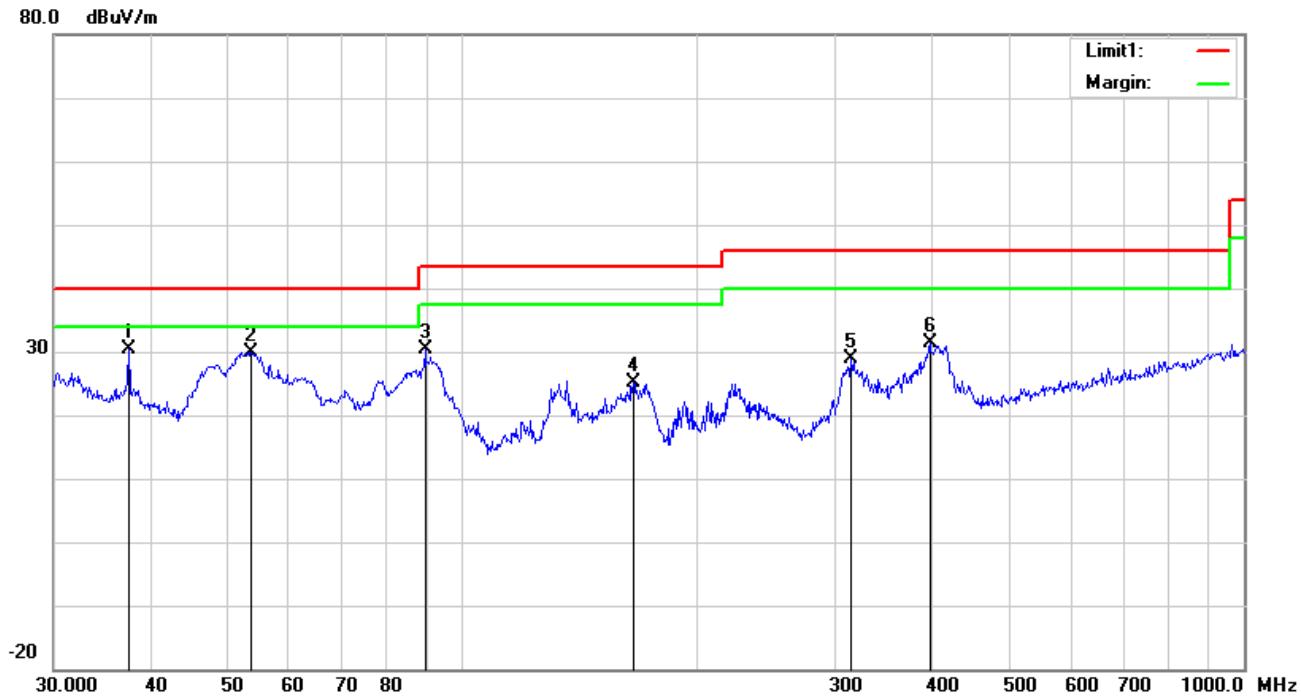


### Test Data

Vertical Polarity Plot @3m

No.	P/L	Frequency (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	37.4165	37.80	peak	15.79	22.26	0.77	32.10	40.00	-7.90	100	8
2	H	93.7685	34.05	peak	8.90	22.32	0.98	21.61	43.50	-21.89	100	238
3	H	221.3921	33.54	peak	11.80	22.34	1.61	24.61	46.00	-21.39	100	116
4	H	314.3765	38.40	peak	13.90	22.25	1.86	31.91	46.00	-14.09	100	327
5	H	414.7223	32.80	peak	15.99	21.98	2.05	28.86	46.00	-17.14	100	54
6	H	790.6188	29.48	peak	21.29	21.17	2.94	32.54	46.00	-13.46	100	339

## 30MHz -1GHz



### Test Data

#### Horizontal Polarity Plot @3m

No.	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	V	37.4165	36.05	peak	15.79	22.26	0.77	30.35	40.00	-9.65	100	32
2	V	53.6932	43.53	peak	7.99	22.39	0.79	29.92	40.00	-10.08	100	239
3	V	89.5900	43.66	peak	7.98	22.32	0.96	30.28	43.50	-13.22	100	77
4	V	165.4867	33.89	peak	12.16	22.26	1.37	25.16	43.50	-18.34	200	18
5	V	314.3765	35.33	peak	13.90	22.25	1.86	28.84	46.00	-17.16	100	120
6	V	396.2415	35.67	peak	15.62	22.02	2.01	31.28	46.00	-14.72	100	302

### Above 1GHz

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

Low Channel (2412 MHz) (b 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)
4824	39.41	AV	V	33.8	6.86	32.69	47.38	54	-6.62
4824	38.37	AV	H	33.8	6.86	32.69	46.34	54	-7.66
4824	48.22	PK	V	33.8	6.86	32.69	56.19	74	-17.81
4824	47.47	PK	H	33.8	6.86	32.69	55.44	74	-18.56
17903	24.54	AV	V	45.12	11.57	32.11	49.12	54	-4.88
17903	22.23	AV	H	45.12	11.57	32.11	46.81	54	-7.19
17903	40.36	PK	V	45.12	11.57	32.11	64.94	74	-9.06
17903	39	PK	H	45.12	11.57	32.11	63.58	74	-10.42

Middle Channel (2437 MHz) (b 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)
4874	38.4	AV	V	33.6	6.82	32.71	46.11	54	-7.89
4874	39.08	AV	H	33.6	6.82	32.71	46.79	54	-7.21
4874	48.09	PK	V	33.6	6.82	32.71	55.8	74	-18.2
4874	47.33	PK	H	33.6	6.82	32.71	55.04	74	-18.96
17925	23.94	AV	V	45.17	11.63	32.18	48.56	54	-5.44
17925	22.52	AV	H	45.17	11.63	32.18	47.14	54	-6.86
17925	39.37	PK	V	45.17	11.63	32.18	63.99	74	-10.01
17925	39.14	PK	H	45.17	11.63	32.18	63.76	74	-10.24

### High Channel (2462 MHz) (b 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	39.9	AV	V	33.83	6.95	32.79	47.89	54	-6.11
4924	39	AV	H	33.83	6.95	32.79	46.99	54	-7.01
4924	46.67	PK	V	33.83	6.95	32.79	54.66	74	-19.34
4924	47.3	PK	H	33.83	6.95	32.79	55.29	74	-18.71
17914	23.39	AV	V	45.19	11.61	32.24	47.95	54	-6.05
17914	23.6	AV	H	45.19	11.61	32.24	48.16	54	-5.84
17914	40.4	PK	V	45.19	11.61	32.24	64.96	74	-9.04
17914	39.23	PK	H	45.19	11.61	32.24	63.79	74	-10.21

**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.

## 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"/>
LISN	ISN T800	34373	09/24/2016	09/23/2017	<input checked="" type="checkbox"/>
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/23/2016	09/22/2017	<input checked="" 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"/>
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"/>

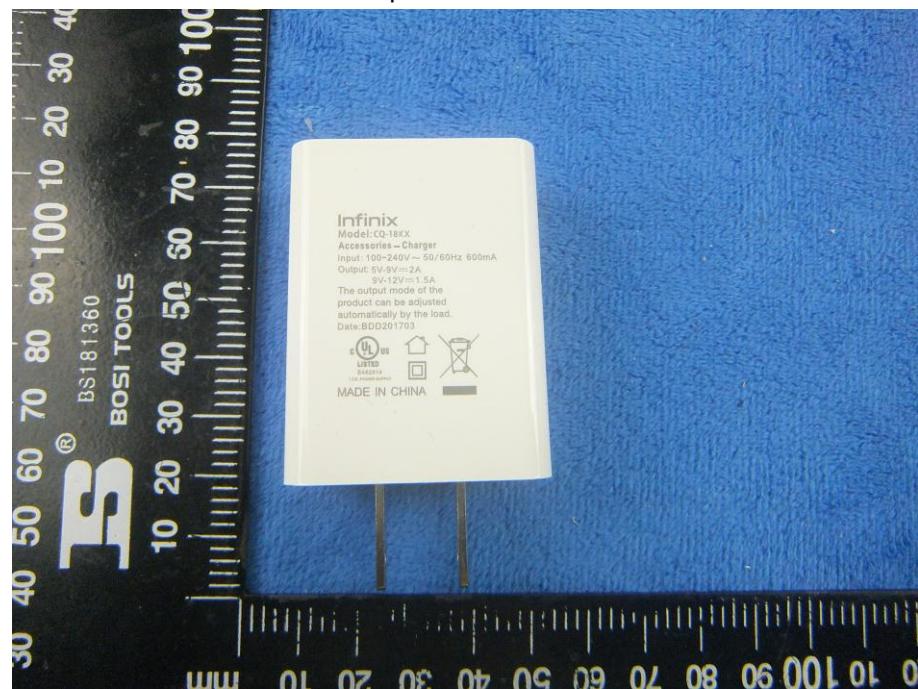
## Annex B. EUT and Test Setup Photographs

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

Whole Package View



Adapter - Lable View



EUT - Front View

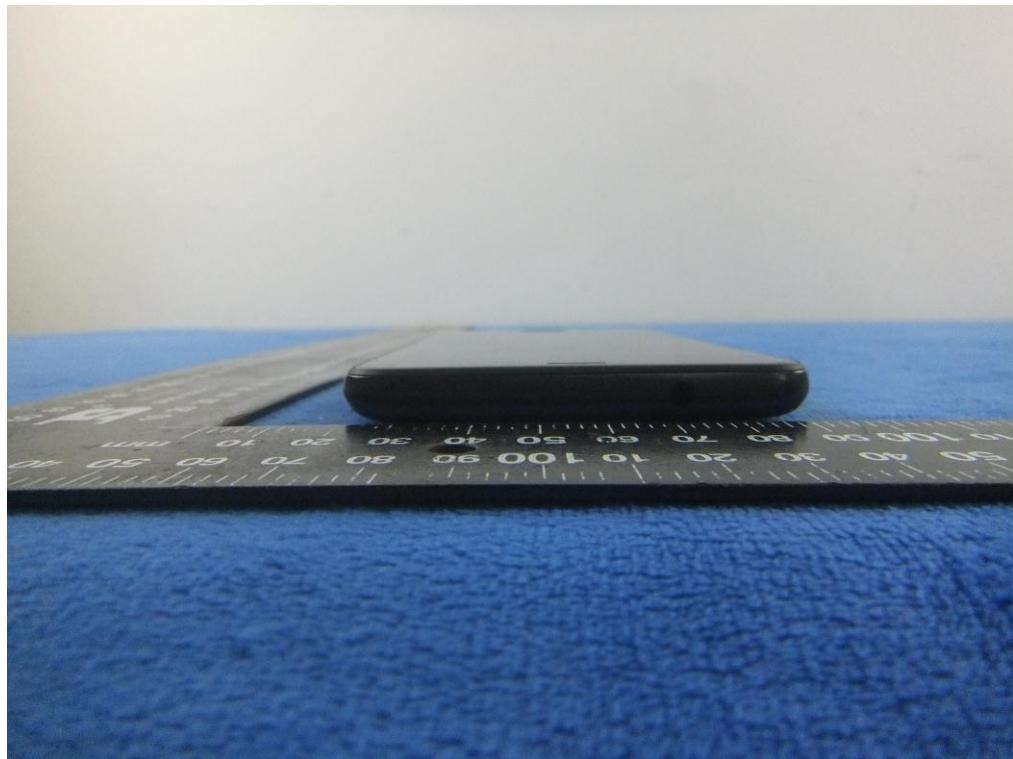


EUT - Rear View

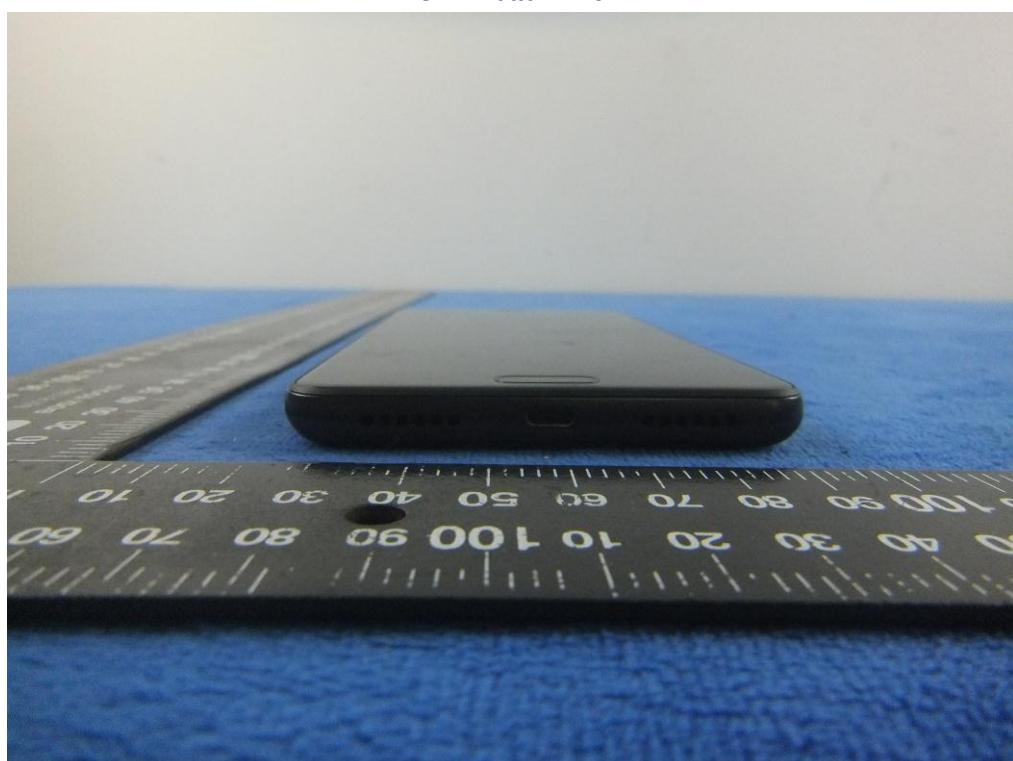


Test Report No.	17070376-FCC-R2 V1
Page	47 of 62

EUT - Top View

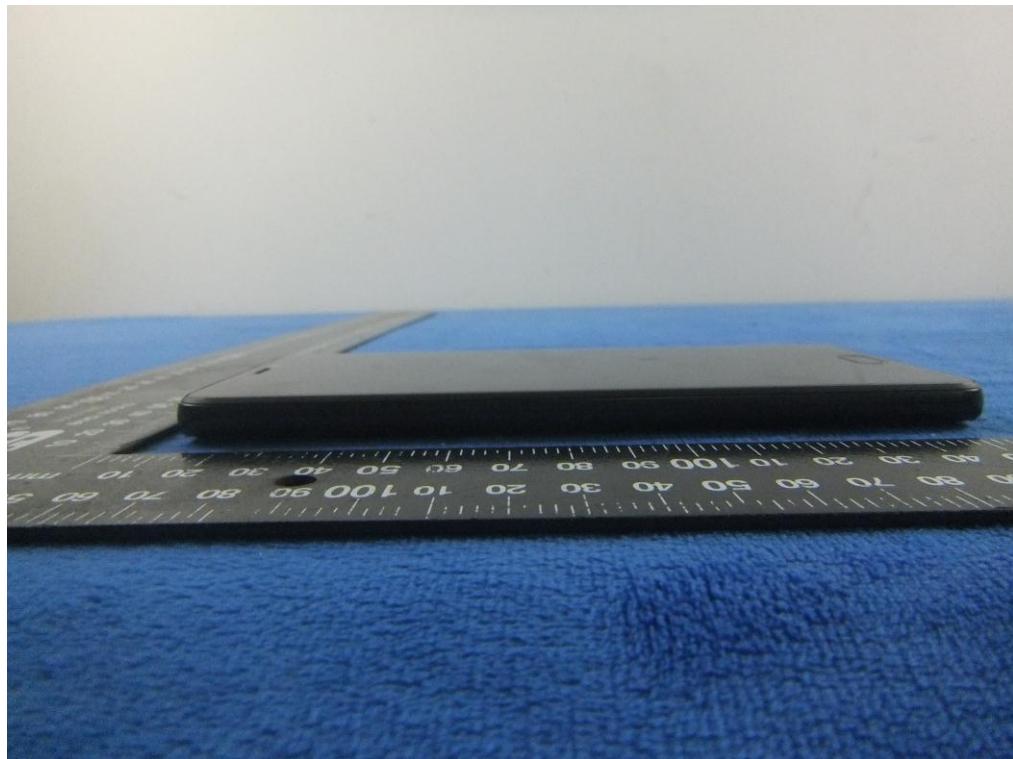


EUT - Bottom View



Test Report No.	17070376-FCC-R2 V1
Page	48 of 62

EUT - Left View



EUT - Right View



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

Cover Off - Top View 1



Cover Off - Top View 2



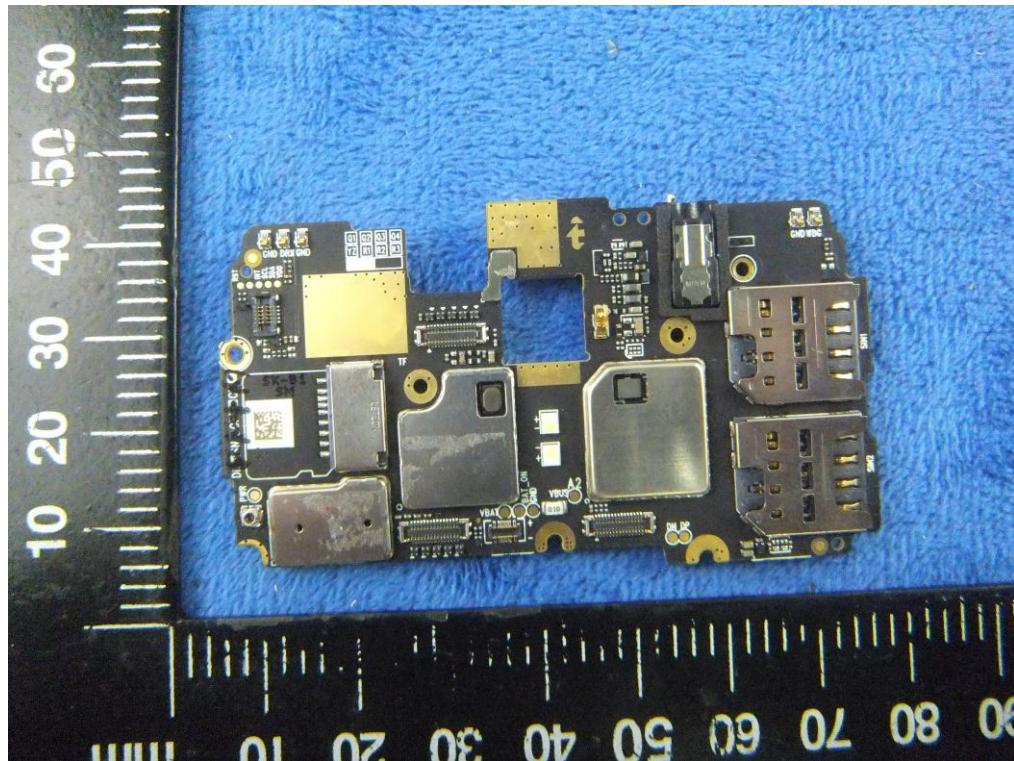
Battery - Front View



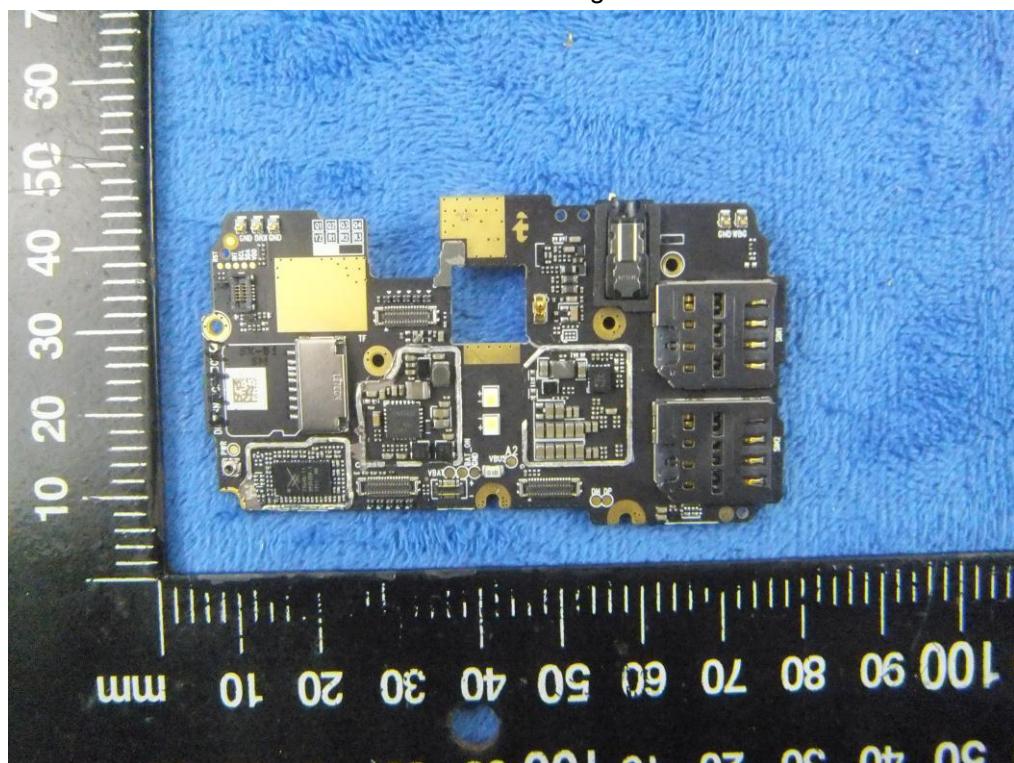
Battery - Rear View



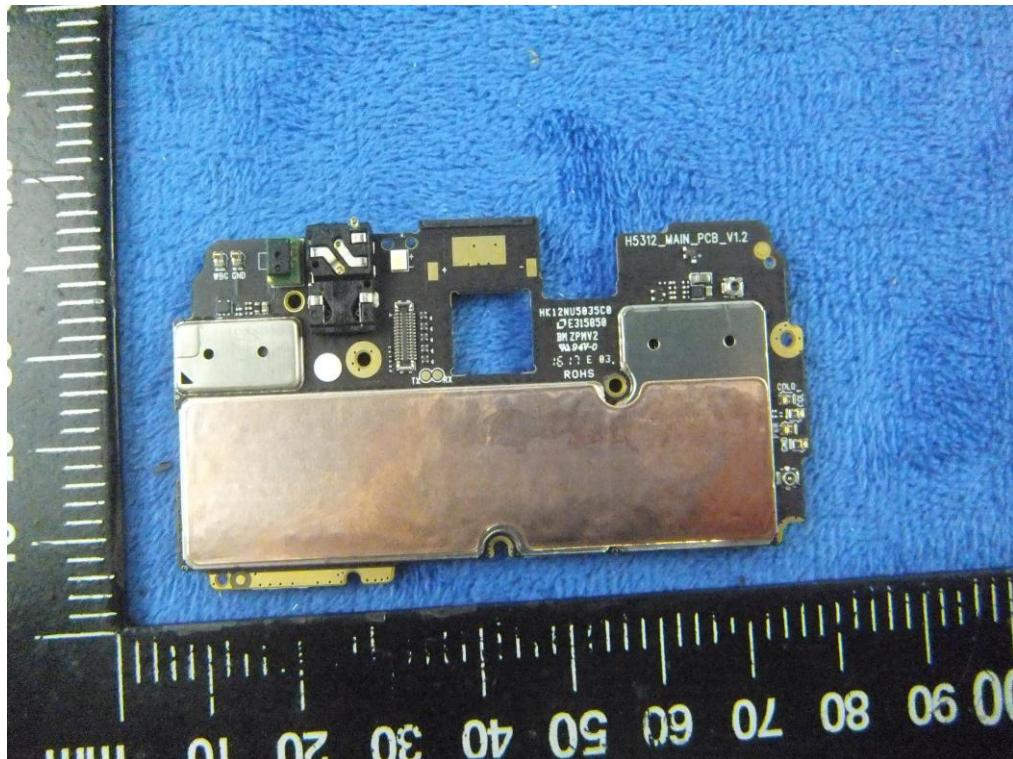
Mainboard with Shielding - Front View



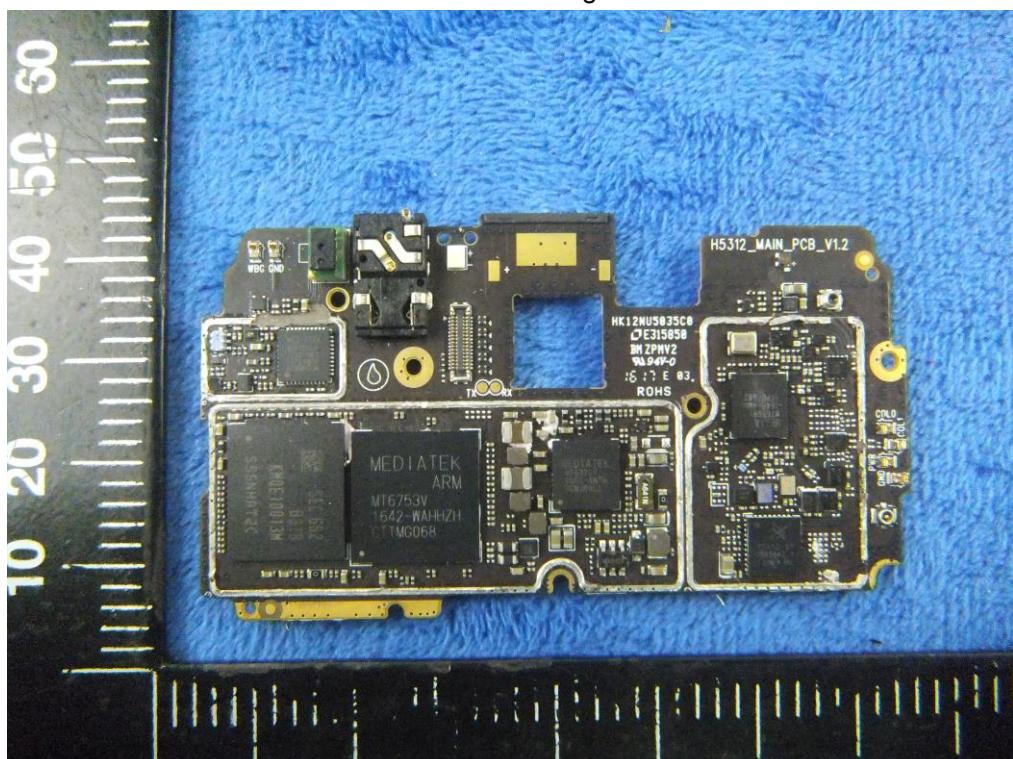
Mainboard without Shielding - Front View



Mainboard with Shielding – Rear View



Mainboard without Shielding – Rear View

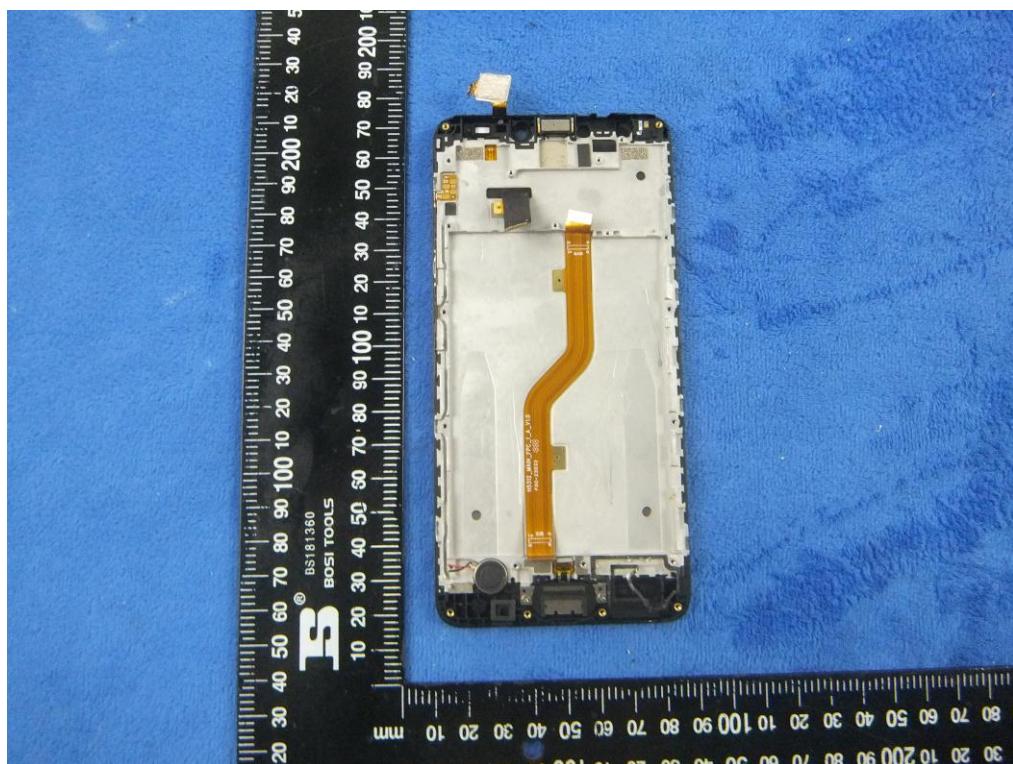


Test Report No.	17070376-FCC-R2 V1
Page	53 of 62

LCD – Front View



LCD – Rear View



GSM/PCS/UMTS-FDD Antenna View



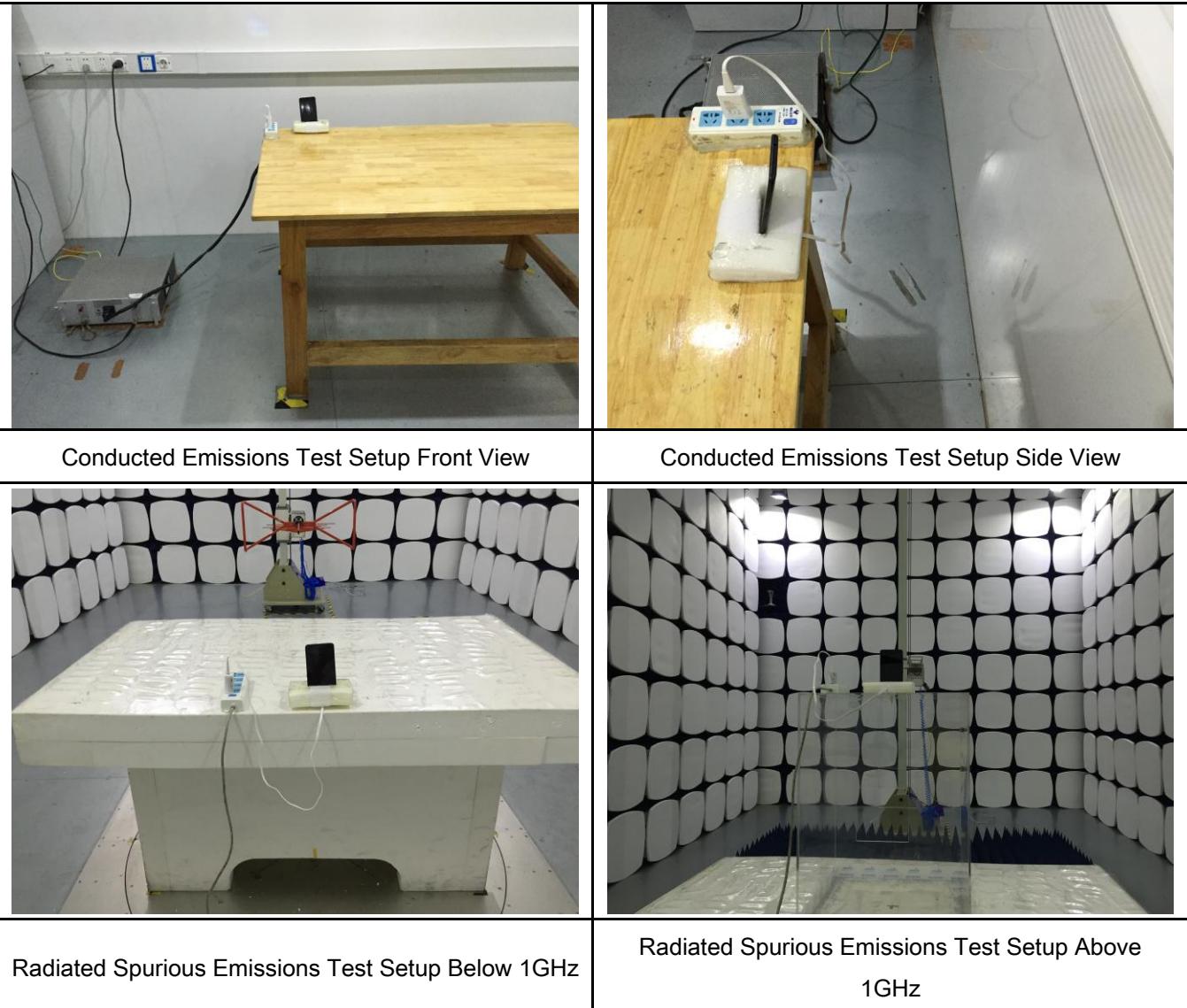
WIFI/BT/BLE - Antenna View



LTE - Antenna View



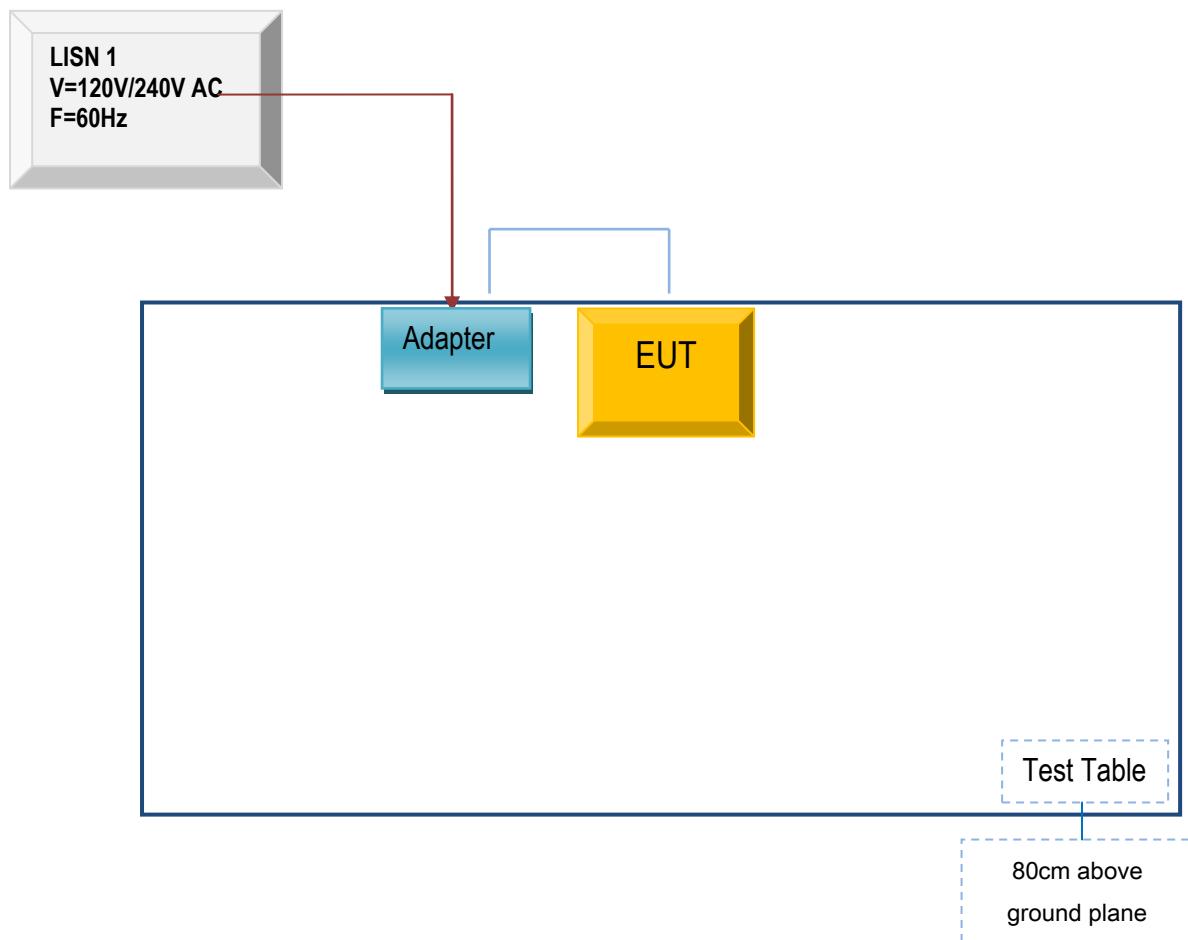
**Annex B.iii. Photograph: Test Setup Photo**



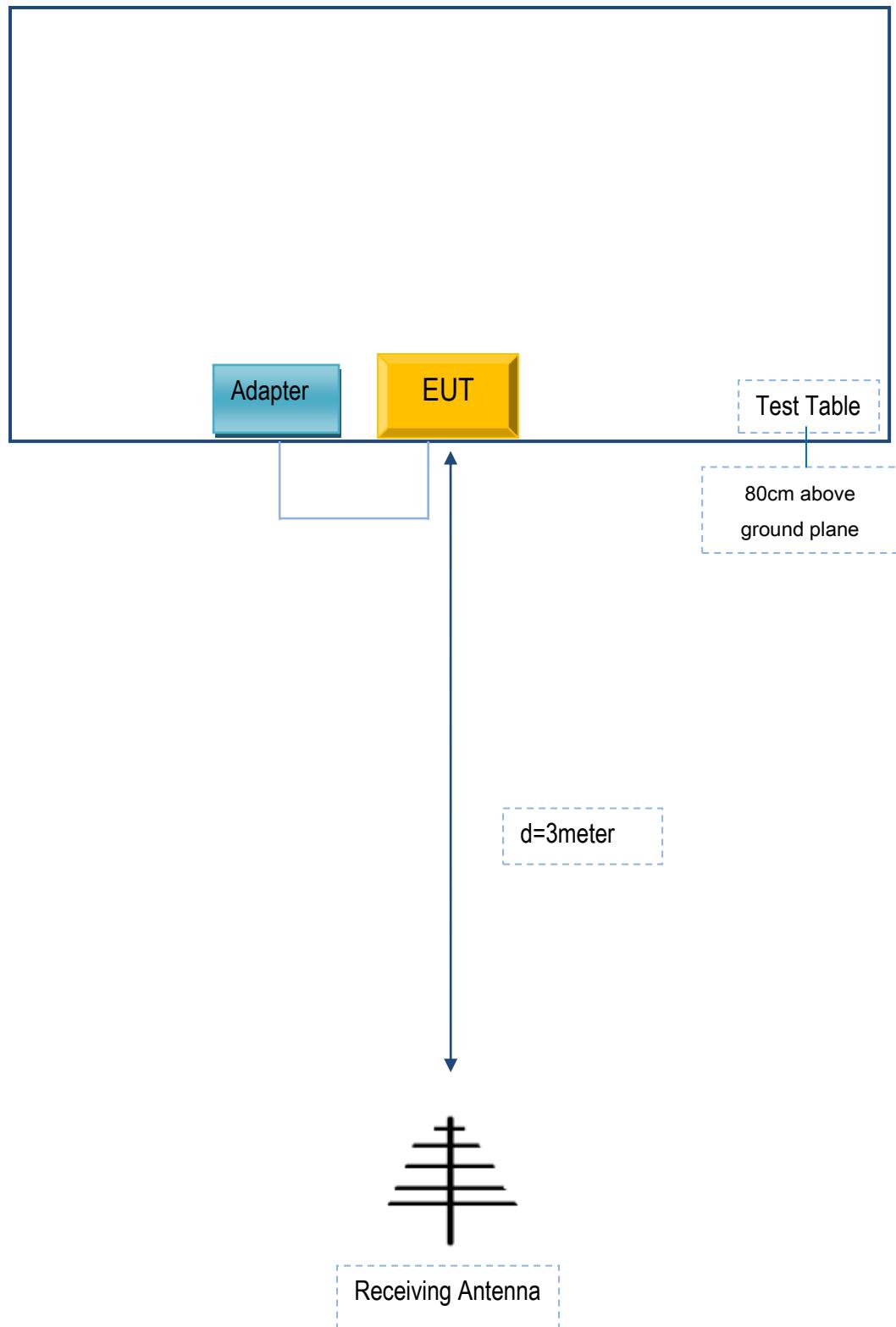
## Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

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

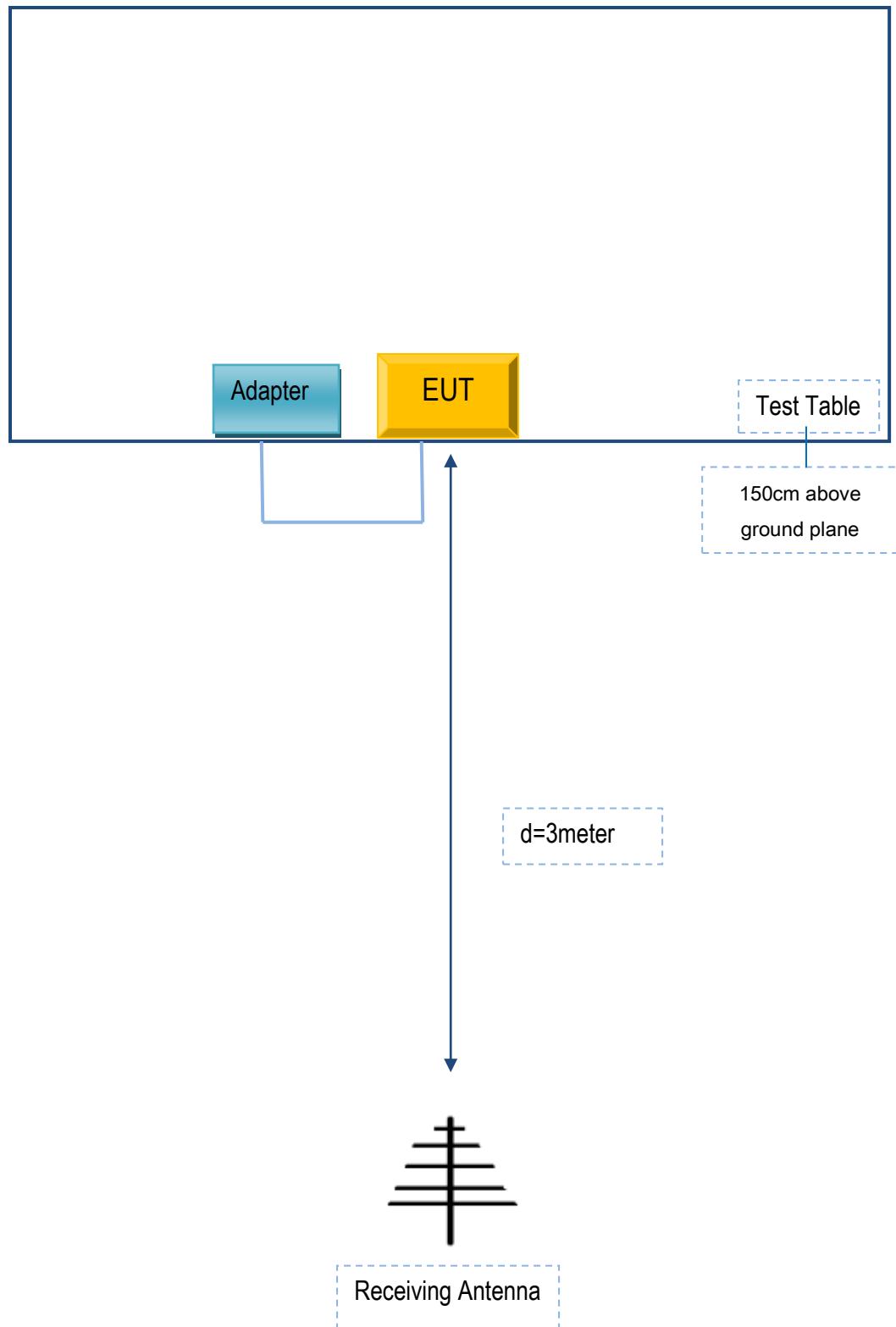
Block Configuration Diagram for AC Line Conducted Emissions



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
INFINIX MOBILITY LIMITED	Adapter	CQ-18KX	Z20160348

### Supporting Cable:

Cable type	Shield Type	Ferrite Core	Length	Serial No
USB Cable	Un-shielding	No	0.8m	Z20160348

Test Report No.	17070376-FCC-R2 V1
Page	61 of 62

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

Please see the attachment

Test Report No.	17070376-FCC-R2 V1
Page	62 of 62

## Annex E. DECLARATION OF SIMILARITY

N/A