

# RF TEST REPORT



Report No.: 15070477-FCC-R3

Supersede Report No.: N/A

Applicant	Santok Limited	
Product Name	Phone	
Model No.	Sync 5.5	
Serial No.	N/A	
Test Standard	FCC Part 15.247: 2014, ANSI C63.10: 2013	
Test Date	June 26 to July 10, 2015	
Issue Date	July 31, 2015	
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"/>
Winnie.Zhang	David Huang	
Winnie 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**

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## Laboratories Introduction

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



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

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## 1. Report Revision History

Report No.	Report Version	Description	Issue Date
15070477-FCC-R3	NONE	Original	July 10, 2015
15070477-FCC-R3	V	Change the applicant's address	July 28, 2015
15070477-FCC-R3	V1	Change the brand name	July 31, 2015

## 2. Customer information

Applicant Name	Santok Limited
Applicant Add	Santok House, Unit L, Braintree Industrial Estate, Braintree Road, South Ruislip, Middlesex
Manufacturer	shenzhen zhike communications co.,ltd
Manufacturer Add	8th Floor,B Bldg. Dianzi Fuhua Jidi,Taojindi, Longsheng community, Longhua District,Shenzhen(ShangTang Metro Station Exit A LongHua Line)

## 3. Test site information

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



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Bluetooth& BLE: 2402-2480 MHz  
GPS RX:1575.42 MHz

Max. Output Power:  
802.11b:9.44dBm  
802.11g:8.03dBm  
802.11n(20M):8.62dBm  
802.11n(40M):7.65dBm

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

Port: Power Port, Earphone Port, USB Port

Battery:  
Model: Sync 5.5  
Spec: 3.7V 2300mAh (8.5Wh)  
Max Charging Capacity: 4.2V  
Input Power:  
Adapter:  
Model: D12-0501000C  
Input: AC 100-240V; 50/60Hz; 0.2A  
Output: DC 5.0V; 1000mA

Trade Name : STK  
GPRS/EGPRS Multi-slot class 8/10/12  
FCC ID: 2AE7RSANTOKSYNC55

## 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 Non-Restricted Frequency Bands	Compliance
§15.207 (a),	AC Power Line Conducted Emissions	Compliance
§15.205, §15.209, §15.247(d)	Radiated Spurious Emissions & Unwanted Emissions into Restricted Frequency Bands	Compliance

### Measurement Uncertainty

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

## 6. Measurements, Examination And Derived Results

### 6.1 Antenna Requirement

#### Applicable Standard

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

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### Antenna Connector Construction

The EUT has 2 antennas:

A permanently attached PIFA antenna for Bluetooth/BLE/WIFI, the gain is 2dBi for Bluetooth/BLE/WIFI.

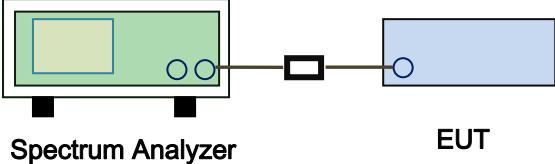
A permanently attached PIFA antenna for GSM and UMTS, the gain is 0dBi for GSM850,0dBi for UMTS-FDD Band V, 1dBi for PCS1900, the gain is 1dBi for UMTS-FDD Band II

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

**Result:** Compliance.

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

Temperature	23°C
Relative Humidity	52%
Atmospheric Pressure	1010mbar
Test date :	July 10, 2015
Tested By :	Winnie Zhang

Spec	Item	Requirement	Applicable
§ 15.247(a)(2) RSS Gen(4.6.1)	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 v03r02, 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

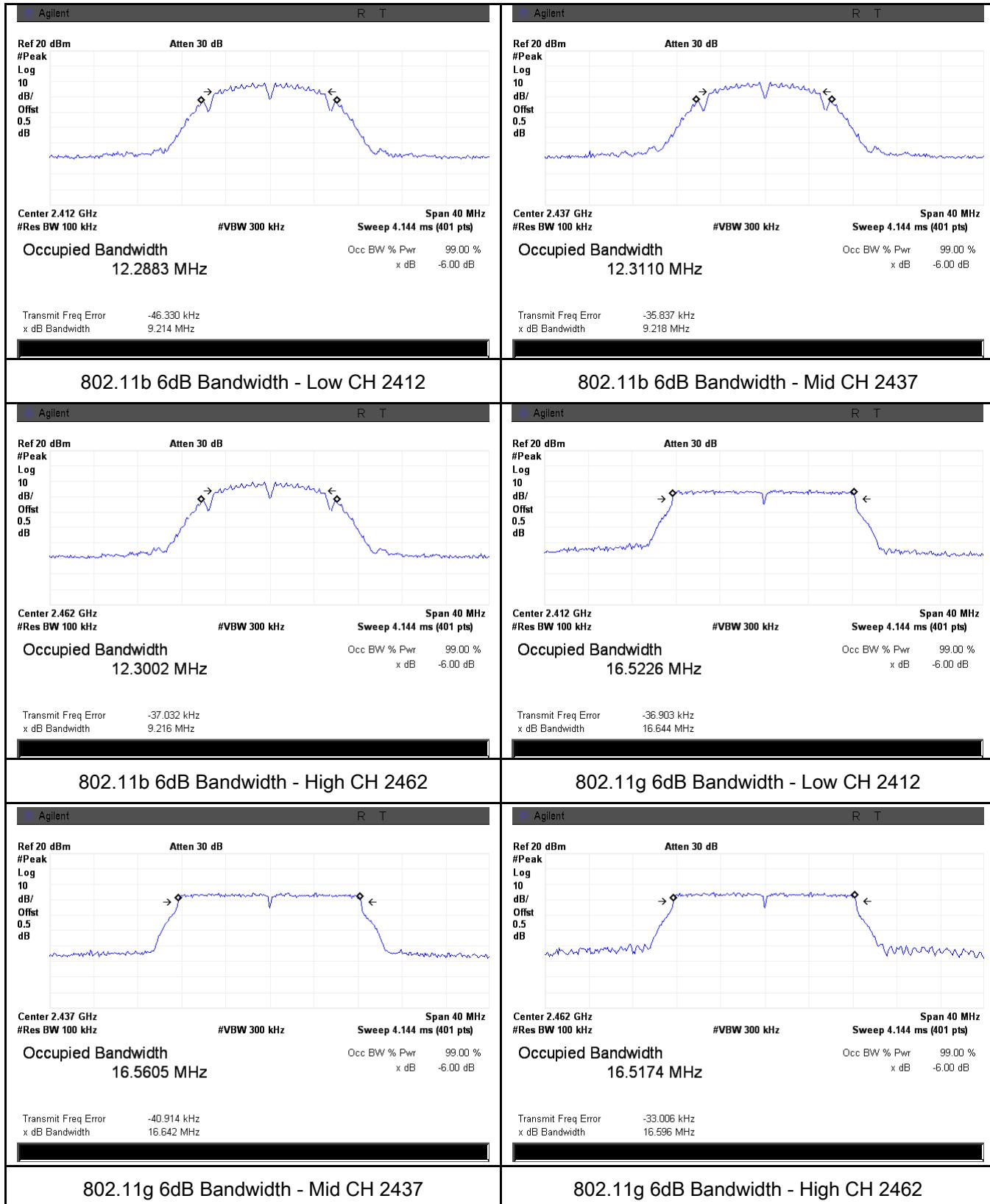
Test Plot  Yes (See below)  N/A

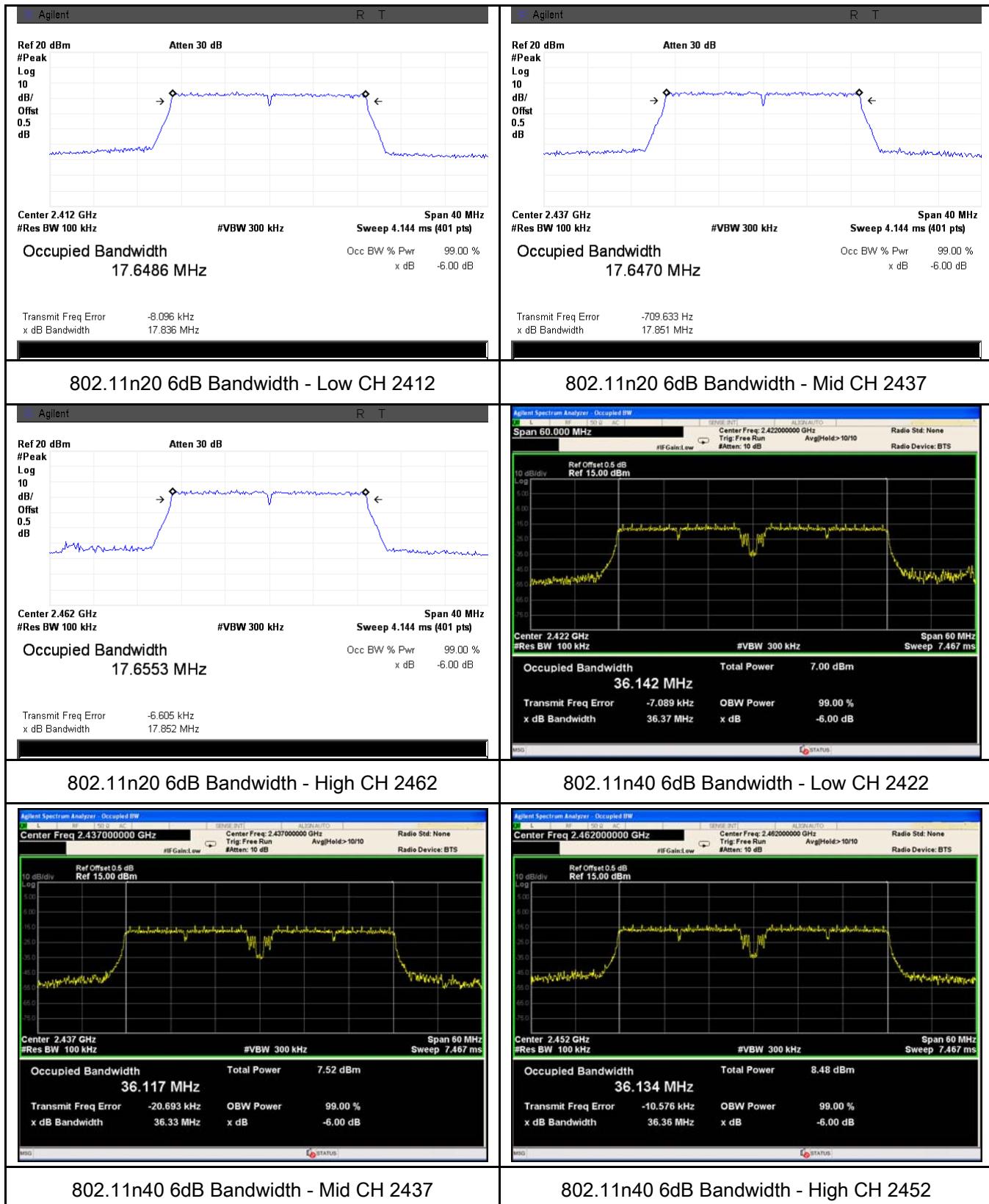
#### Measurement result

Test mode	CH	Freq (MHz)	6dB Bandwidth (MHz)	20dB Bandwidth (MHz)	Limit (MHz)
802.11b	Low	2412	9.214	14.287	$\geq 0.5$
	Mid	2437	9.218	14.309	$\geq 0.5$
	High	2462	9.216	14.293	$\geq 0.5$
802.11g	Low	2412	16.644	19.468	$\geq 0.5$
	Mid	2437	16.642	19.341	$\geq 0.5$
	High	2462	16.596	19.327	$\geq 0.5$
802.11n (20M)	Low	2412	17.836	19.531	$\geq 0.5$
	Mid	2437	17.851	19.513	$\geq 0.5$
	High	2462	17.852	19.564	$\geq 0.5$
802.11n (40M)	Low	2422	36.37	38.052	$\geq 0.5$
	Mid	2437	36.33	38.099	$\geq 0.5$
	High	2452	36.36	38.162	$\geq 0.5$

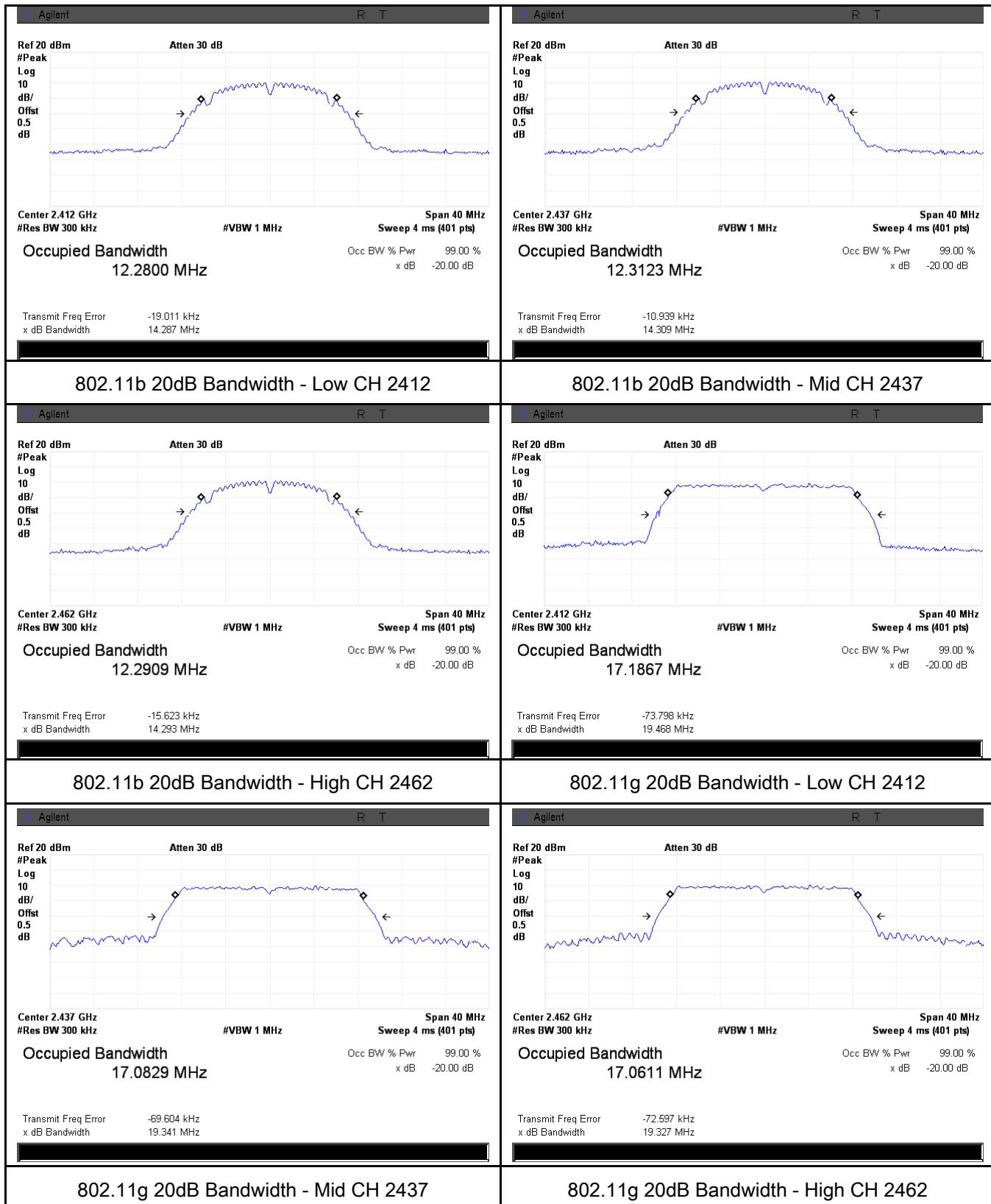
## Test Plots

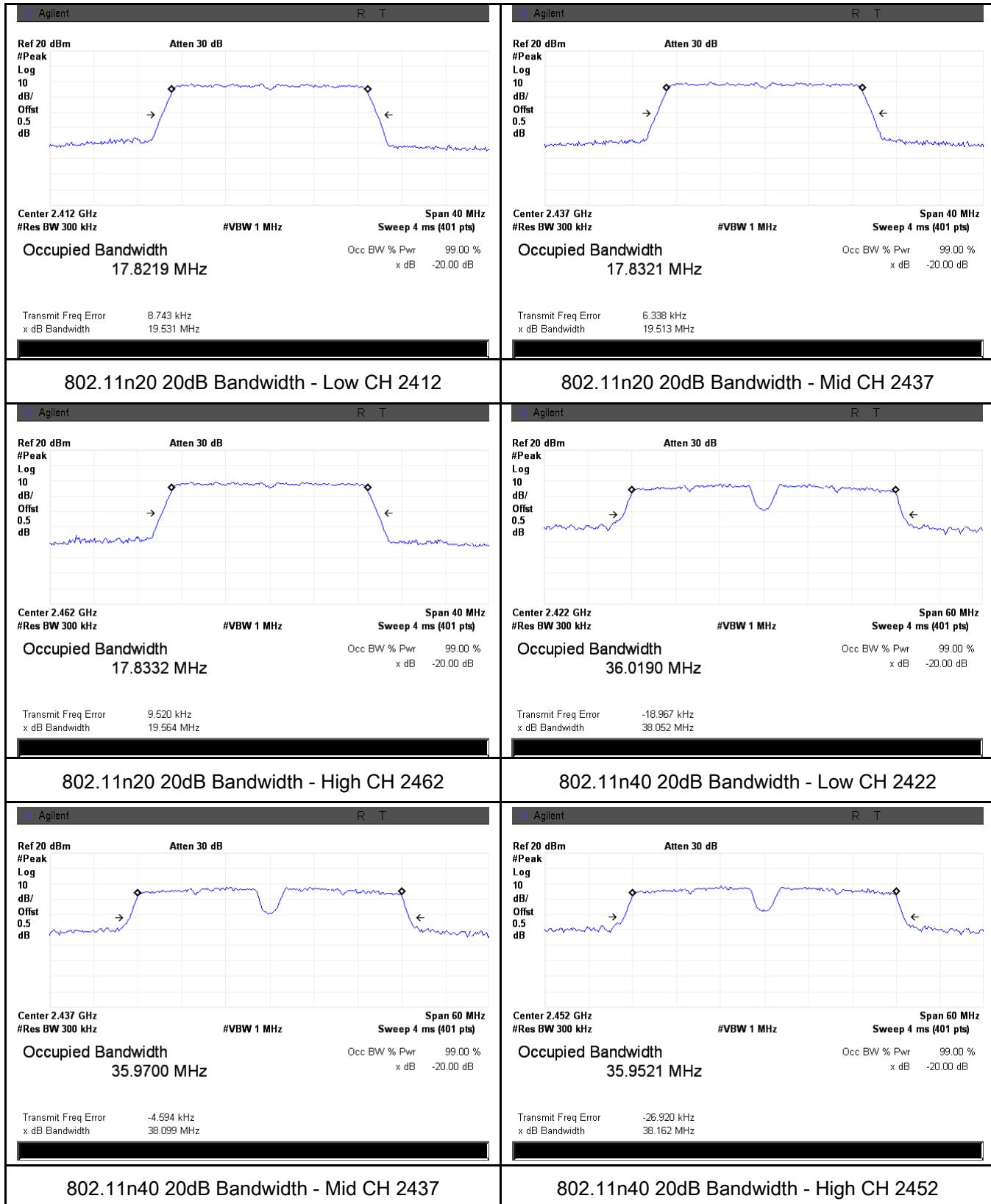
### 6dB Bandwidth measurement result





## 20 dB Bandwidth measurement result

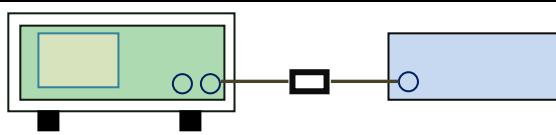




### 6.3 Maximum Output Power

Temperature	23°C
Relative Humidity	52%
Atmospheric Pressure	1010mbar
Test date :	July 10, 2015
Tested By :	Winnie Zhang

#### Requirement(s):

Spec	Item	Requirement	Applicable
§15.247(b) (2), 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)	DSSS in 902-928MHz, 2400-2483.5MHz, 5725-5850MHz: $\leq$ 1 Watt	<input checked="" type="checkbox"/>
Test Setup		 <b>Spectrum Analyzer</b> <b>EUT</b>	
Test Procedure		<p>558074 D01 DTS MEAS Guidance v03r02, 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</li> </ul>	

	<p>triggering only on full power pulses. The transmitter shall operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle <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

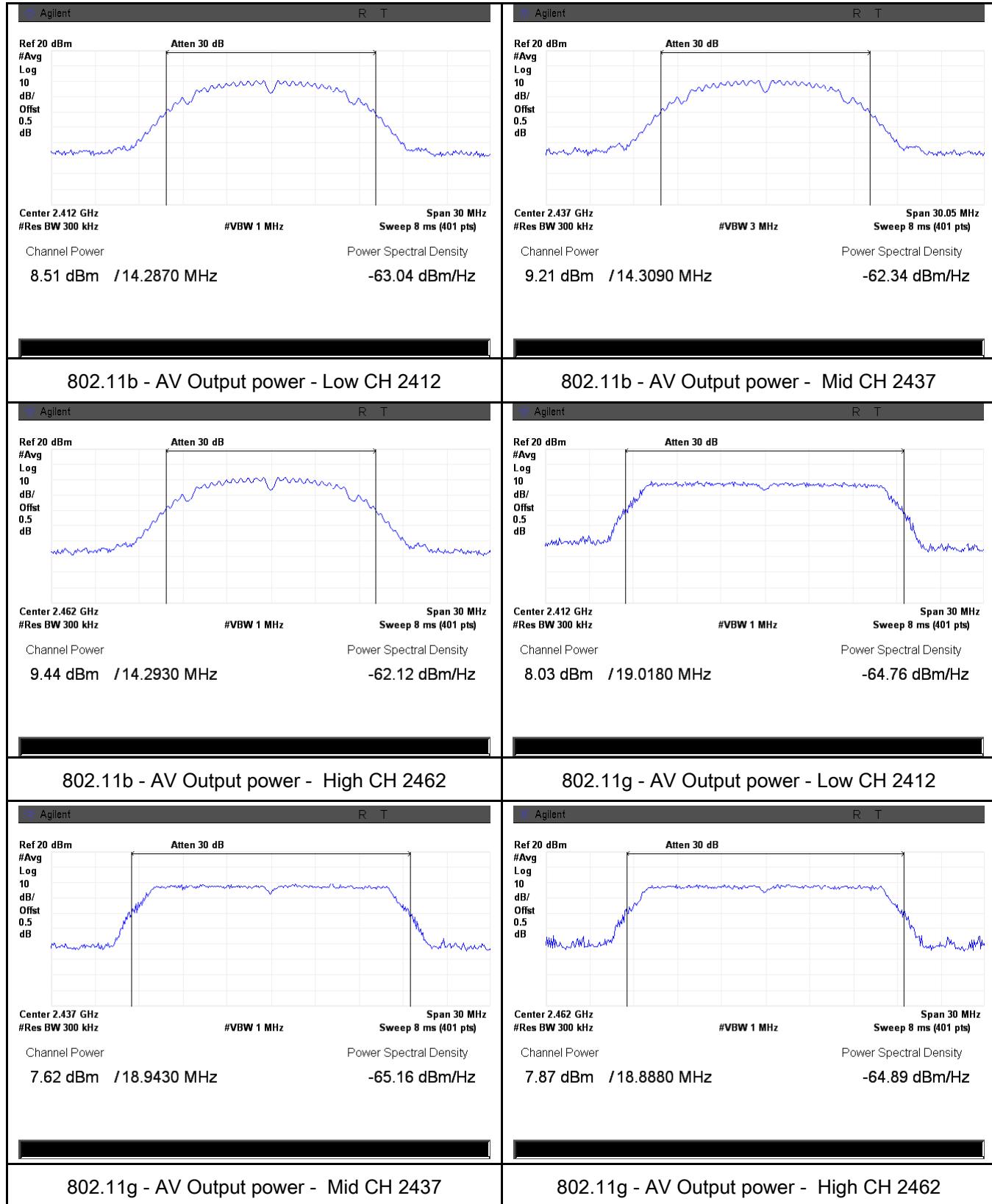
Test Plot  Yes (See below)  N/A

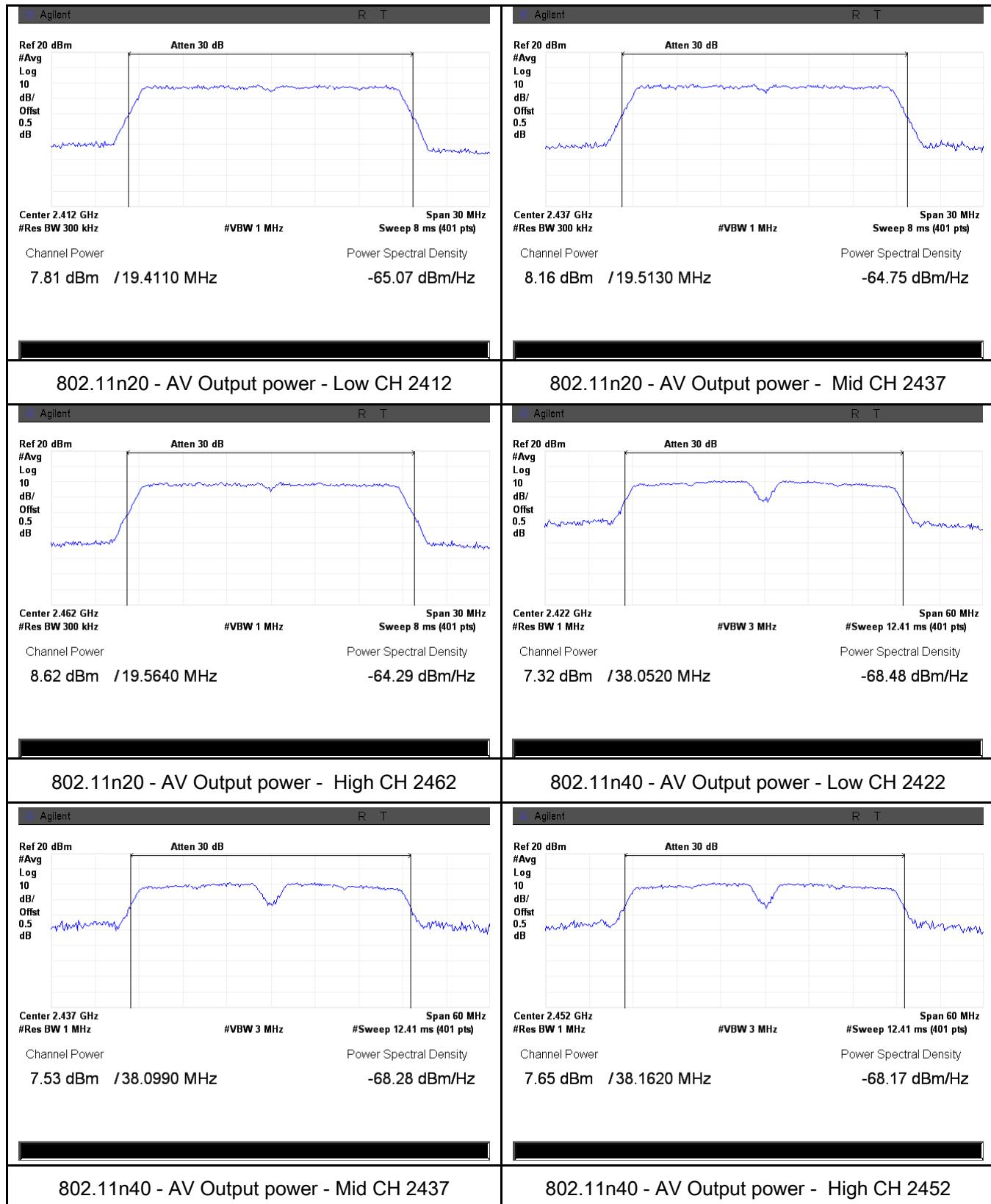
#### Output Power measurement result

Type	Test mode	CH	Freq (MHz)	Conducted Power (dBm)	Limit (dBm)	Result
Output power	802.11b	Low	2412	8.51	30	Pass
		Mid	2437	9.21	30	Pass
		High	2462	<b>9.44</b>	30	Pass
	802.11g	Low	2412	<b>8.03</b>	30	Pass
		Mid	2437	7.62	30	Pass
		High	2462	7.87	30	Pass
	802.11n (20M)	Low	2412	7.81	30	Pass
		Mid	2437	8.16	30	Pass
		High	2462	<b>8.62</b>	30	Pass
	802.11n (40M)	Low	2422	7.32	30	Pass
		Mid	2437	7.53	30	Pass
		High	2452	<b>7.65</b>	30	Pass

## Test Plots

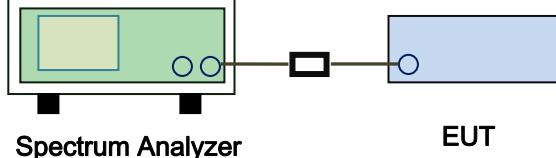
### The Average Power





## 6.4 Power Spectral Density

Temperature	23°C
Relative Humidity	52%
Atmospheric Pressure	1010mbar
Test date :	July 10, 2015
Tested By :	Winnie 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			
Test Procedure	<p>558074 D01 DTS MEAS Guidance v03r02, 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		

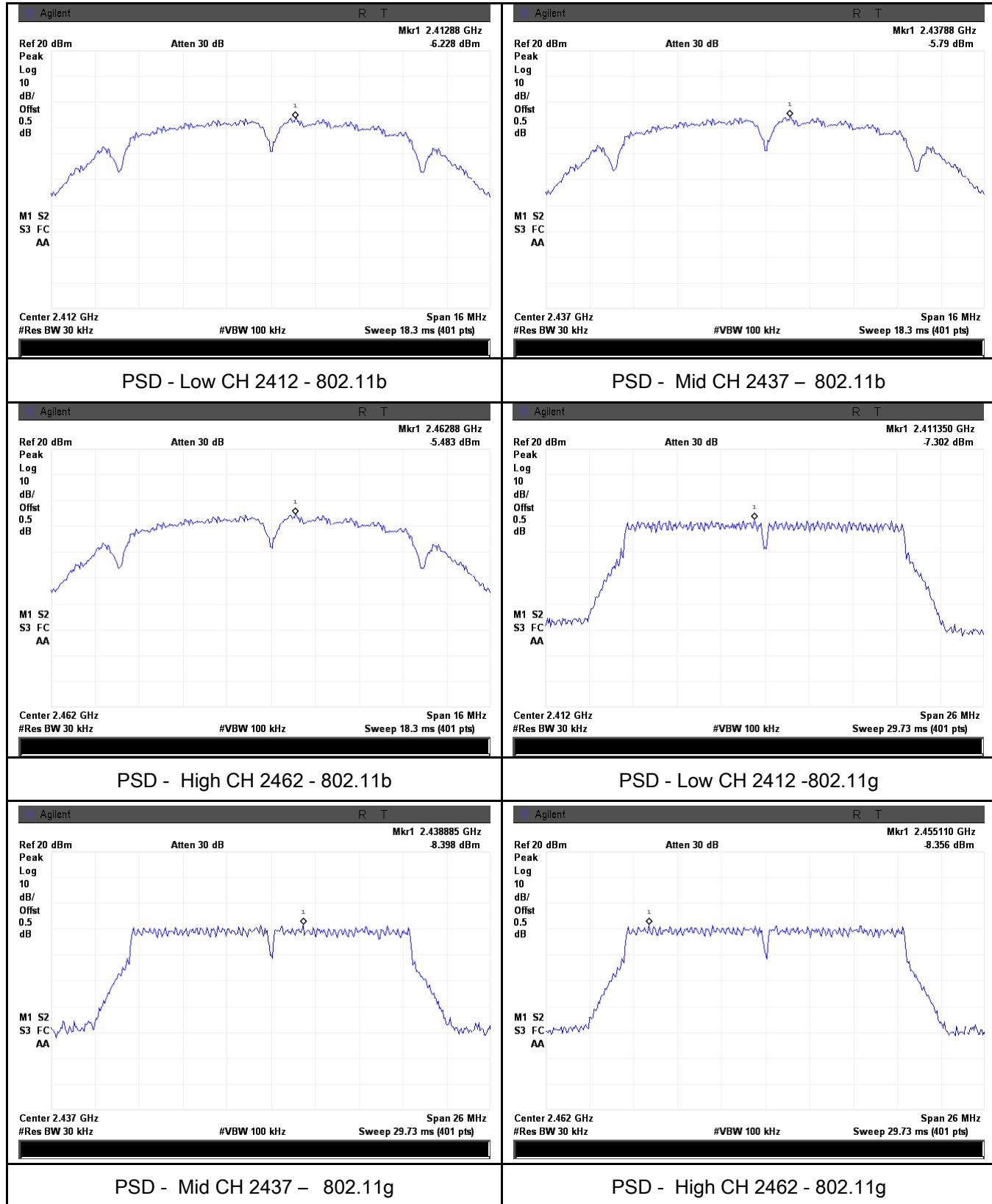
Test Data  Yes  N/A  
 Test Plot  Yes (See below)  N/A

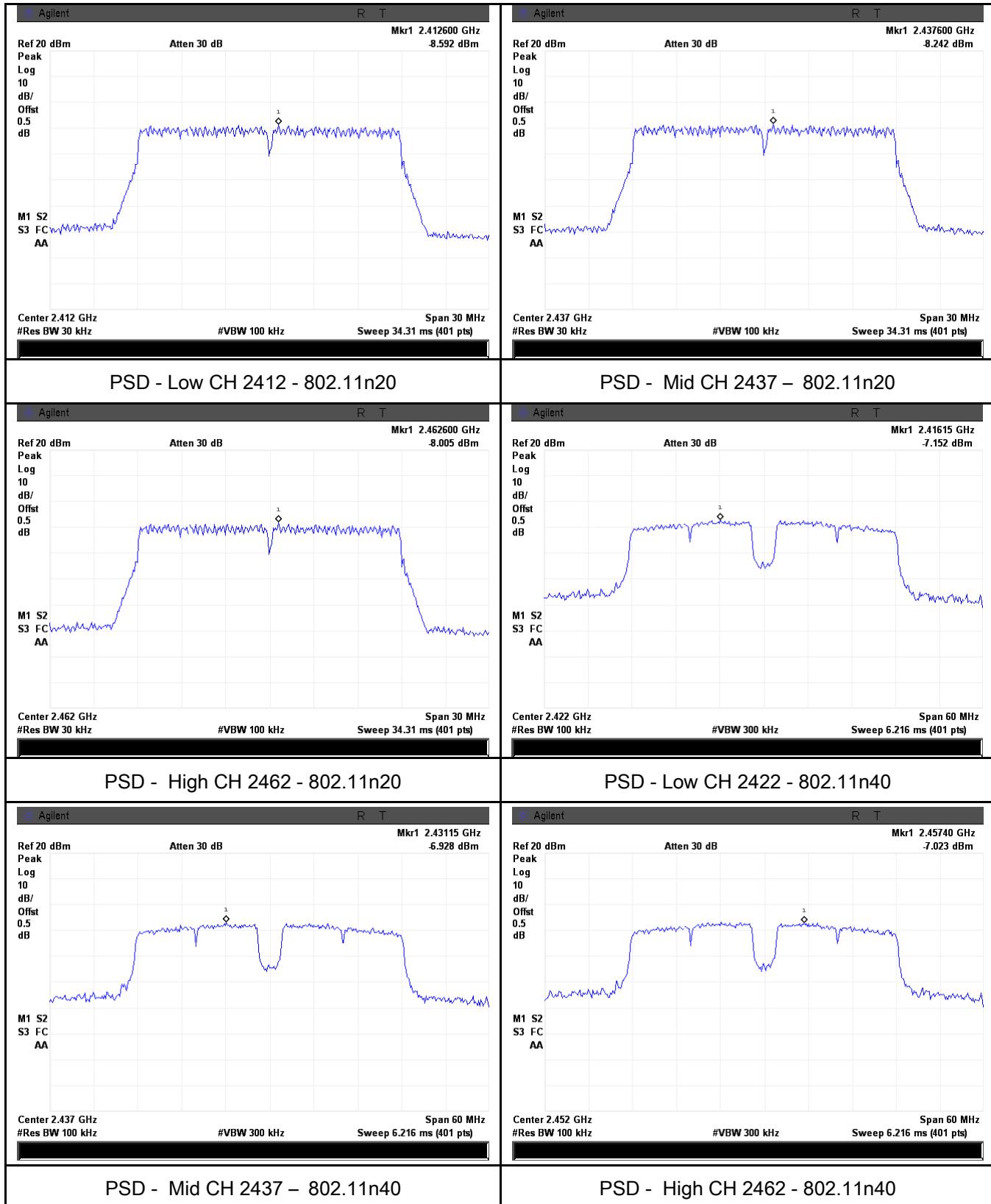
#### Power Spectral Density measurement result

Type	Test mode	CH	Freq (MHz)	PSD (dBm)	Limit (dBm)	Result
PSD	802.11b	Low	2412	-6.228	8	Pass
		Mid	2437	-5.79	8	Pass
		High	2462	-5.43	8	Pass
	802.11g	Low	2412	-7.302	8	Pass
		Mid	2437	-8.398	8	Pass
		High	2462	-8.356	8	Pass
	802.11n (20M)	Low	2412	-8.592	8	Pass
		Mid	2437	-8.242	8	Pass
		High	2462	-8.005	8	Pass
	802.11n (40M)	Low	2422	-7.152	8	Pass
		Mid	2437	-6.928	8	Pass
		High	2452	-7.023	8	Pass

## Test Plots

### Power Spectral Density measurement result

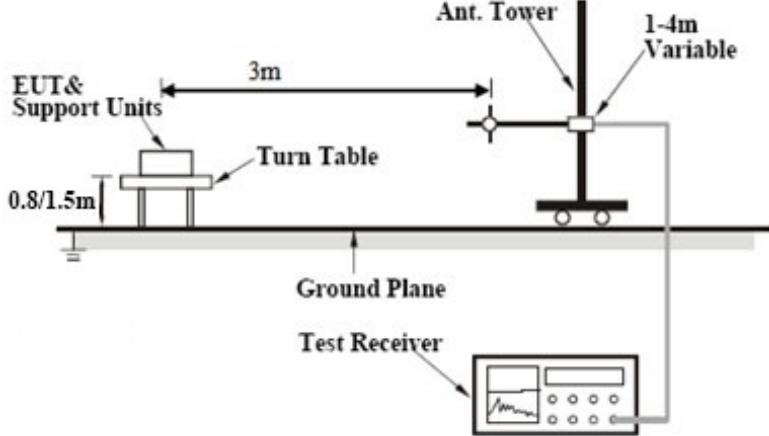




## 6.5 Band-Edge & Unwanted Emissions into Non-Restricted Frequency Bands

Temperature	23°C
Relative Humidity	58%
Atmospheric Pressure	1001mbar
Test date :	June 30, 2015
Tested By :	Winnie 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> <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,</li> </ul>		

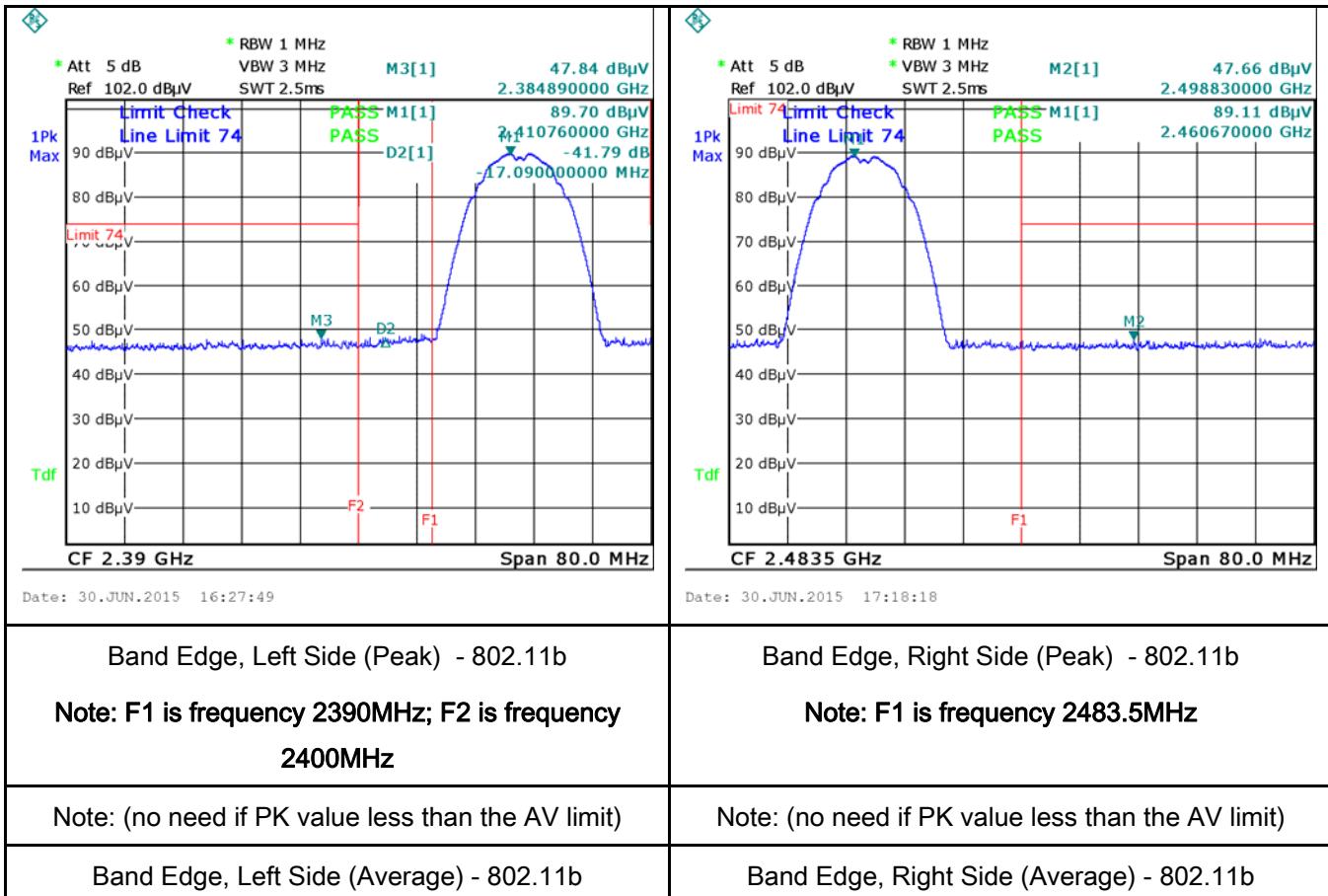
	<p>check the emission of EUT, if pass then set Spectrum Analyzer as below:</p> <ol style="list-style-type: none"> <li>a. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz.</li> <li>b. The resolution bandwidth of 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> <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> </ol>
Remark	
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

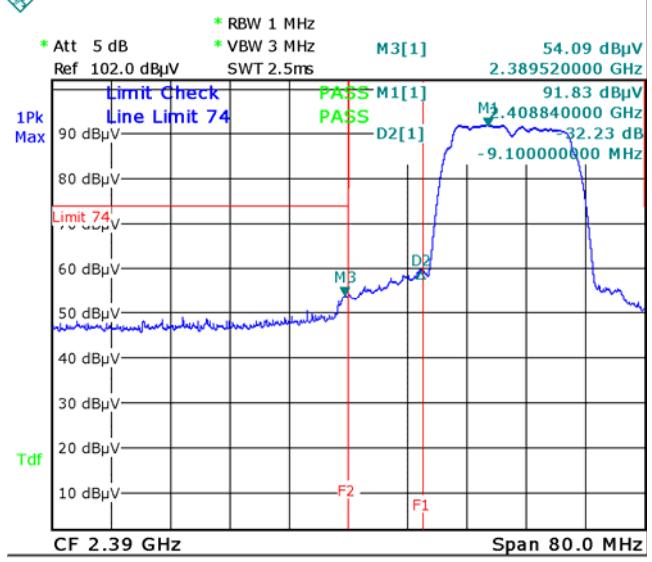
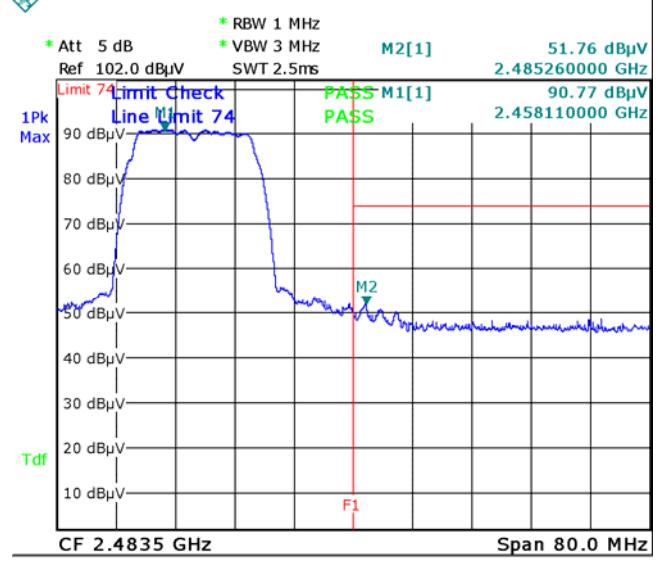
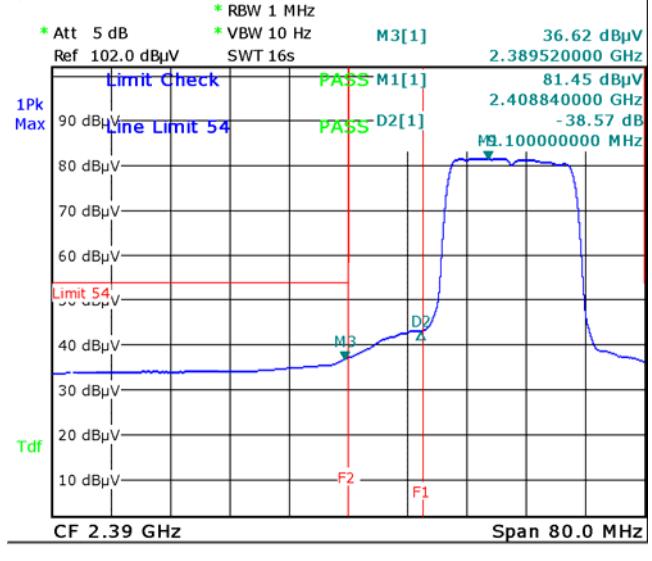
Test Data  Yes  N/A

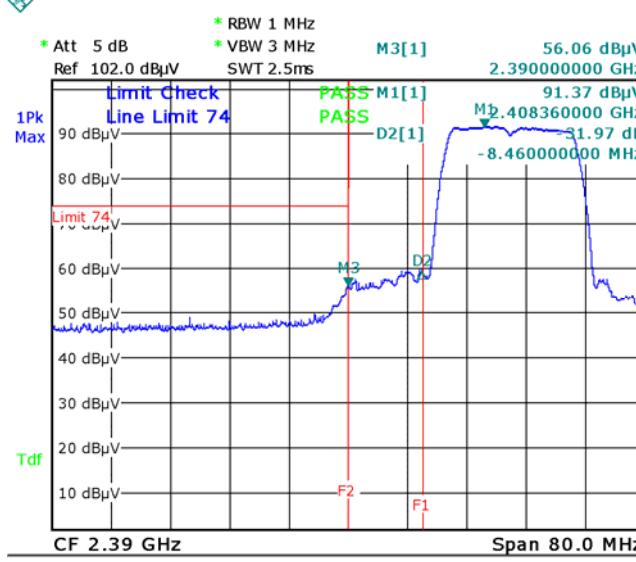
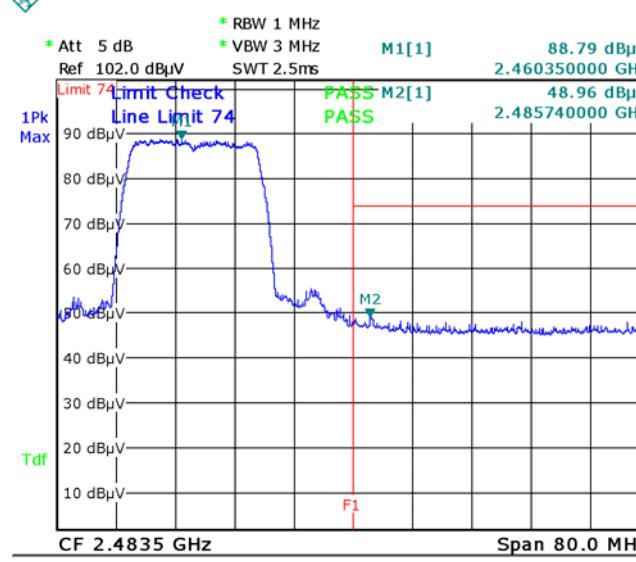
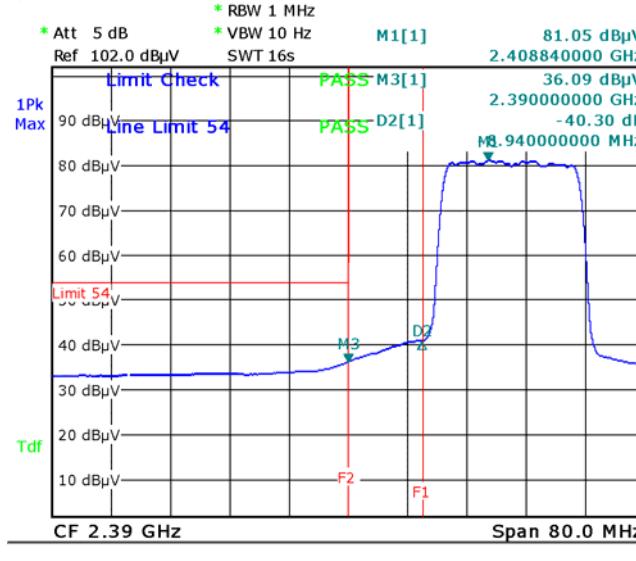
Test Plot  Yes (See below)  N/A

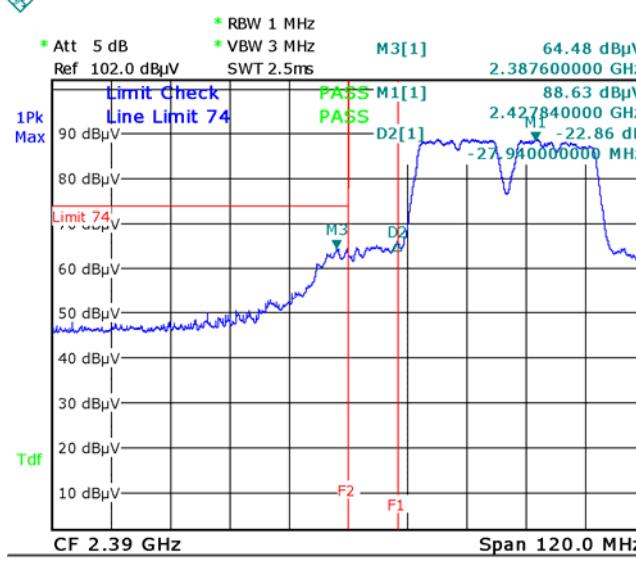
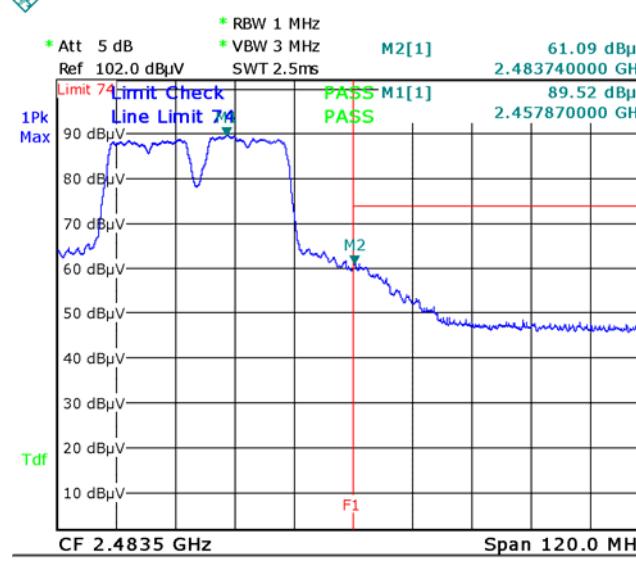
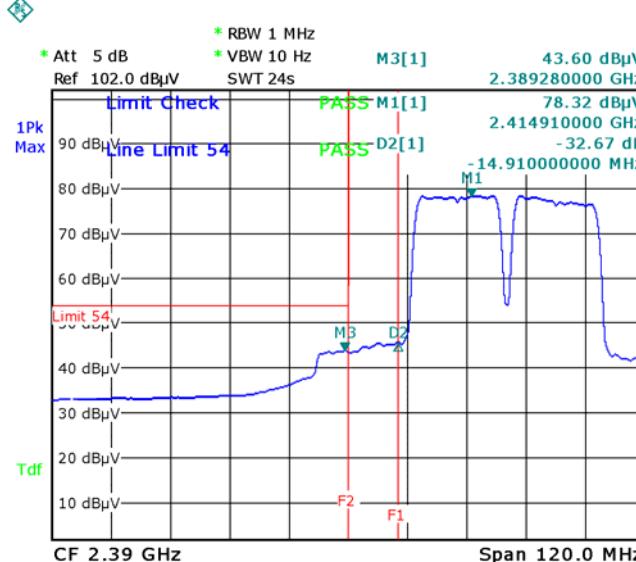
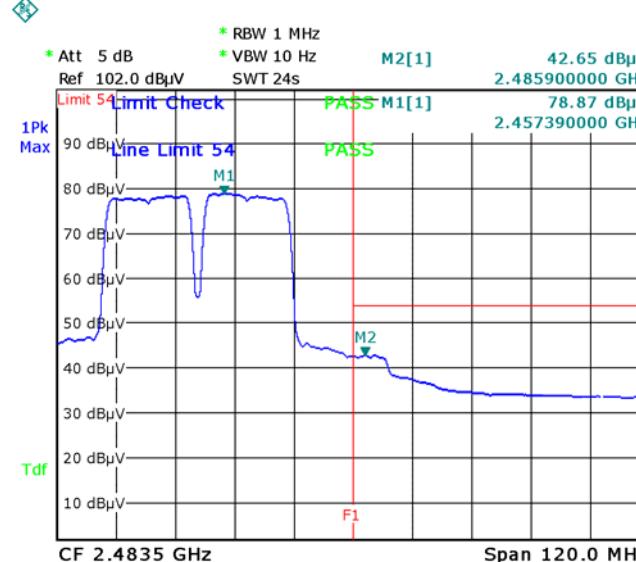
## Test Plots

### Band Edge measurement result



 <p>* RBW 1 MHz    * Att 5 dB    * VBW 3 MHz    Ref 102.0 dBµV    SWT 2.5ms</p> <p>1Pk Max    Tdf</p> <p>CF 2.39 GHz Span 80.0 MHz</p> <p>M3[1] 54.09 dBµV 2.389520000 GHz</p> <p>Limit Check Line Limit 74    PASS M1[1] PASS D2[1]</p> <p>90 dBµV    80 dBµV    70 dBµV    60 dBµV    50 dBµV    40 dBµV    30 dBµV    20 dBµV    10 dBµV</p> <p>91.83 dBµV    M2.408840000 GHz    -32.23 dB    -9.100000000 MHz</p>	 <p>* RBW 1 MHz    * Att 5 dB    * VBW 3 MHz    Ref 102.0 dBµV    SWT 2.5ms</p> <p>1Pk Max    Tdf</p> <p>CF 2.4835 GHz Span 80.0 MHz</p> <p>M2[1] 51.76 dBµV 2.485260000 GHz</p> <p>Limit 74 Limit Check Line Limit 74    PASS M1[1] PASS</p> <p>90 dBµV    80 dBµV    70 dBµV    60 dBµV    50 dBµV    40 dBµV    30 dBµV    20 dBµV    10 dBµV</p> <p>90.77 dBµV    2.458110000 GHz</p>
<p>Date: 30.JUN.2015 16:35:45</p> <p>Band Edge, Left Side (Peak) - 802.11g</p> <p>Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz</p>	<p>Date: 30.JUN.2015 17:13:10</p> <p>Band Edge, Right Side (Peak) - 802.11g</p> <p>Note: F1 is frequency 2483.5MHz</p>
 <p>* RBW 1 MHz    * Att 5 dB    * VBW 10 Hz    Ref 102.0 dBµV    SWT 16s</p> <p>1Pk Max    Tdf</p> <p>CF 2.39 GHz Span 80.0 MHz</p> <p>M3[1] 36.62 dBµV 2.389520000 GHz</p> <p>Limit Check Line Limit 54    PASS M1[1] PASS D2[1]</p> <p>90 dBµV    80 dBµV    70 dBµV    60 dBµV    50 dBµV    40 dBµV    30 dBµV    20 dBµV    10 dBµV</p> <p>81.45 dBµV    2.408840000 GHz    -38.57 dB    -9.100000000 MHz</p>	<p>Note: (no need if PK value less than the AV limit)</p>
<p>Date: 30.JUN.2015 16:37:13</p> <p>Band Edge, Left Side (Average) - 802.11g</p> <p>Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz</p>	<p>Band Edge, Right Side (Average) - 802.11g</p>

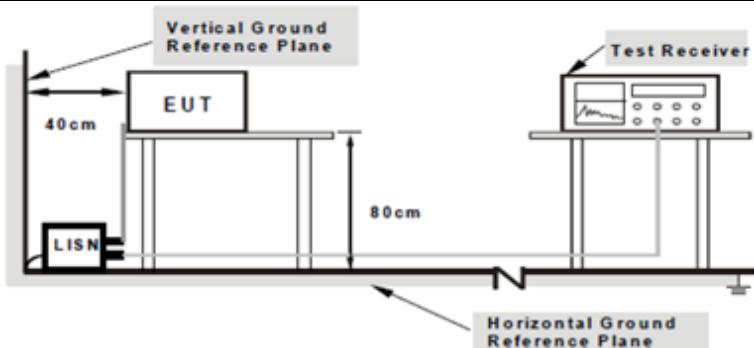
 <p>* RBW 1 MHz    * Att 5 dB    * VBW 3 MHz    Ref 102.0 dB<math>\mu</math>V    SWT 2.5ms</p> <p>1Pk Max Tdf</p> <p>Limit Check Line Limit 74</p> <p>90 dB<math>\mu</math>V    80 dB<math>\mu</math>V    70 dB<math>\mu</math>V    60 dB<math>\mu</math>V    50 dB<math>\mu</math>V    40 dB<math>\mu</math>V    30 dB<math>\mu</math>V    20 dB<math>\mu</math>V    10 dB<math>\mu</math>V</p> <p>CF 2.39 GHz Span 80.0 MHz</p> <p>M3[1] 56.06 dB<math>\mu</math>V 2.390000000 GHz    D2[1] 91.37 dB<math>\mu</math>V M2.408360000 GHz    -8.460000000 MHz</p> <p>PASS M1[1] PASS</p> <p>91.37 dB<math>\mu</math>V    M2.408360000 GHz    -8.460000000 MHz</p> <p>1.97 dB    -8.460000000 MHz</p>	 <p>* RBW 1 MHz    * Att 5 dB    * VBW 3 MHz    Ref 102.0 dB<math>\mu</math>V    SWT 2.5ms</p> <p>1Pk Max Tdf</p> <p>Limit 74 Limit Check Line Limit 74</p> <p>90 dB<math>\mu</math>V    80 dB<math>\mu</math>V    70 dB<math>\mu</math>V    60 dB<math>\mu</math>V    50 dB<math>\mu</math>V    40 dB<math>\mu</math>V    30 dB<math>\mu</math>V    20 dB<math>\mu</math>V    10 dB<math>\mu</math>V</p> <p>CF 2.4835 GHz Span 80.0 MHz</p> <p>M1[1] 88.79 dB<math>\mu</math>V 2.460350000 GHz    D2[1] 48.96 dB<math>\mu</math>V 2.485740000 GHz</p> <p>PASS M2[1] PASS</p> <p>88.79 dB<math>\mu</math>V    2.460350000 GHz</p> <p>48.96 dB<math>\mu</math>V    2.485740000 GHz</p> <p>1.97 dB    -8.460000000 MHz</p>
<p>Date: 30.JUN.2015 16:42:46</p> <p>Band Edge, Left Side (Peak) - 802.11n20</p> <p>Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz</p>	<p>Date: 30.JUN.2015 17:26:54</p> <p>Band Edge, Right Side (Peak) - 802.11n20</p> <p>Note: F1 is frequency 2483.5MHz</p>
 <p>* RBW 1 MHz    * Att 5 dB    * VBW 10 Hz    Ref 102.0 dB<math>\mu</math>V    SWT 16s</p> <p>1Pk Max Tdf</p> <p>Limit Check Line Limit 54</p> <p>90 dB<math>\mu</math>V    80 dB<math>\mu</math>V    70 dB<math>\mu</math>V    60 dB<math>\mu</math>V    50 dB<math>\mu</math>V    40 dB<math>\mu</math>V    30 dB<math>\mu</math>V    20 dB<math>\mu</math>V    10 dB<math>\mu</math>V</p> <p>CF 2.39 GHz Span 80.0 MHz</p> <p>M1[1] 81.05 dB<math>\mu</math>V 2.408840000 GHz    D2[1] 36.09 dB<math>\mu</math>V 2.390000000 GHz    -40.30 dB    M8.940000000 MHz</p> <p>PASS M3[1] PASS</p> <p>36.09 dB<math>\mu</math>V    2.390000000 GHz    -40.30 dB    M8.940000000 MHz</p> <p>1.97 dB    -8.460000000 MHz</p>	<p>Note: (no need if PK value less than the AV limit)</p>
<p>Date: 30.JUN.2015 16:43:51</p> <p>Band Edge, Left Side (Average) - 802.11n20</p> <p>Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz</p>	<p>Band Edge, Right Side (Average) - 802.11n20</p> <p>Note: F1 is frequency 2483.5MHz</p>

 <p>* RBW 1 MHz    * Att 5 dB    * VBW 3 MHz    Ref 102.0 dB<math>\mu</math>V    SWT 2.5ms</p> <p>1Pk Max    Tdf</p> <p>CF 2.39 GHz Span 120.0 MHz</p> <p>M3[1] 64.48 dB<math>\mu</math>V 2.387600000 GHz    M2[1] 61.09 dB<math>\mu</math>V 2.483740000 GHz</p> <p>Limit Check Line Limit 74    PASS M1[1] PASS    D2[1] 88.63 dB<math>\mu</math>V 2.427840000 GHz    M3 2.427840000 GHz    D2 -22.86 dB    -27.900000000 MHz</p> <p>F2 F1</p>	 <p>* RBW 1 MHz    * Att 5 dB    * VBW 3 MHz    Ref 102.0 dB<math>\mu</math>V    SWT 2.5ms</p> <p>1Pk Max    Tdf</p> <p>CF 2.4835 GHz Span 120.0 MHz</p> <p>M2[1] 89.52 dB<math>\mu</math>V 2.457870000 GHz    M1[1] 61.09 dB<math>\mu</math>V 2.483740000 GHz</p> <p>Limit 74 Limit Check Line Limit 74    PASS M1[1] PASS    M2 89.52 dB<math>\mu</math>V 2.457870000 GHz    F1</p>
<p>Date: 30.JUN.2015 16:52:32</p> <p>Band Edge, Left Side (Peak) - 802.11n40</p> <p>Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz</p>	<p>Date: 30.JUN.2015 17:05:45</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    * VBW 10 Hz    Ref 102.0 dB<math>\mu</math>V    SWT 24s</p> <p>1Pk Max    Tdf</p> <p>CF 2.39 GHz Span 120.0 MHz</p> <p>M3[1] 43.60 dB<math>\mu</math>V 2.389280000 GHz    M2[1] 42.65 dB<math>\mu</math>V 2.485900000 GHz</p> <p>Limit 54 Limit Check Line Limit 54    PASS M1[1] PASS    D2[1] 78.32 dB<math>\mu</math>V 2.414910000 GHz    M1 -32.67 dB    -14.910000000 MHz</p> <p>F2 F1</p>	 <p>* RBW 1 MHz    * Att 5 dB    * VBW 10 Hz    Ref 102.0 dB<math>\mu</math>V    SWT 24s</p> <p>1Pk Max    Tdf</p> <p>CF 2.4835 GHz Span 120.0 MHz</p> <p>M2[1] 78.87 dB<math>\mu</math>V 2.457390000 GHz    M1[1] 42.65 dB<math>\mu</math>V 2.485900000 GHz</p> <p>Limit 54 Limit Check Line Limit 54    PASS M1[1] PASS    M2 78.87 dB<math>\mu</math>V 2.457390000 GHz    F1</p>
<p>Date: 30.JUN.2015 16:58:51</p> <p>Band Edge, Left Side (Average) - 802.11n40</p> <p>Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz</p>	<p>Date: 30.JUN.2015 17:07:04</p> <p>Band Edge, Right Side (Average) - 802.11n40</p> <p>Note: F1 is frequency 2483.5MHz</p>

## 6.6 AC Power Line Conducted Emissions

Temperature	24°C
Relative Humidity	59%
Atmospheric Pressure	1007mbar
Test date :	July 07, 2015
Tested By :	Winnie Zhang

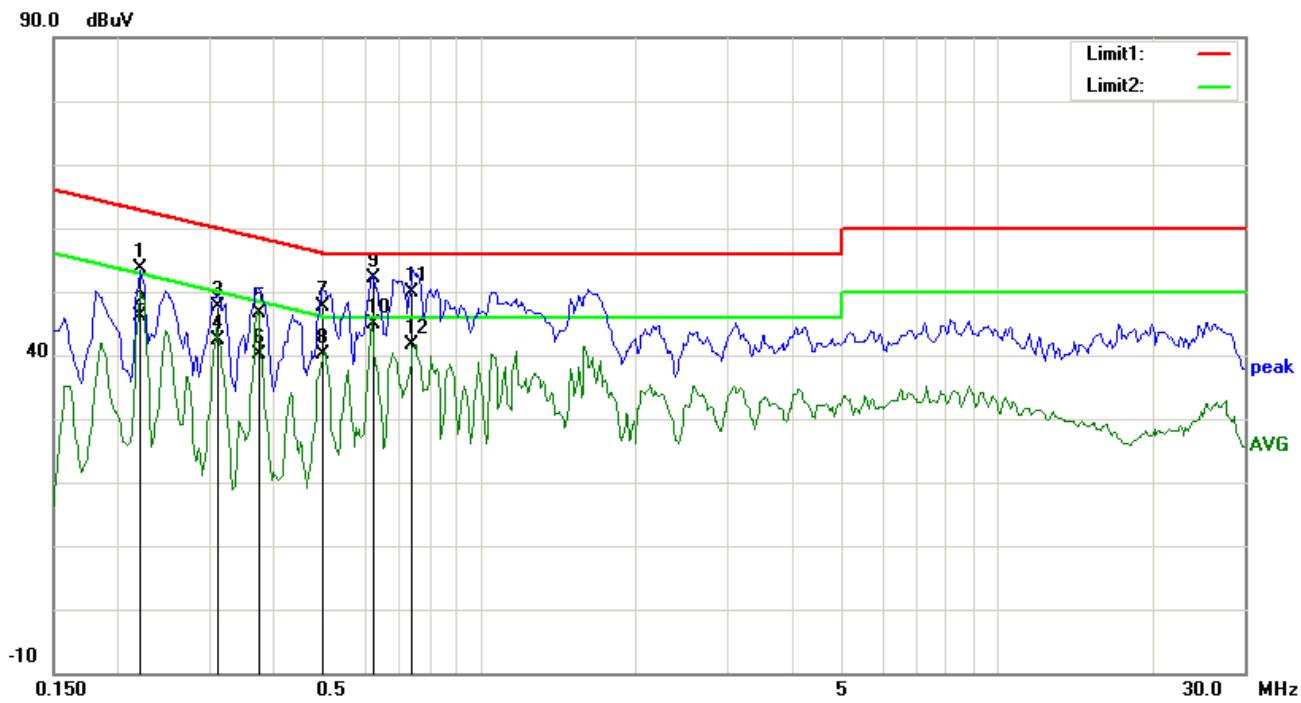
### Requirement(s):

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 colspan="2">Frequency ranges (MHz)</th> <th colspan="2">Limit (dB<math>\mu</math>V)</th> </tr> <tr> <th colspan="2"></th> <th>QP</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15 ~ 0.5</td> <td>66 – 56</td> <td>56 – 46</td> <td></td> </tr> <tr> <td>0.5 ~ 5</td> <td>56</td> <td>46</td> <td></td> </tr> <tr> <td>5 ~ 30</td> <td>60</td> <td>50</td> <td></td> </tr> </tbody> </table>	Frequency ranges (MHz)		Limit (dB $\mu$ V)				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 (dB $\mu$ V)																					
		QP	Average																				
0.15 ~ 0.5	66 – 56	56 – 46																					
0.5 ~ 5	56	46																					
5 ~ 30	60	50																					
Test Setup	 <p><b>Note:</b> 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>1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table.</li> <li>2. The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains.</li> <li>3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable.</li> <li>4. All other supporting equipment were powered separately from another main supply.</li> </ol>																						

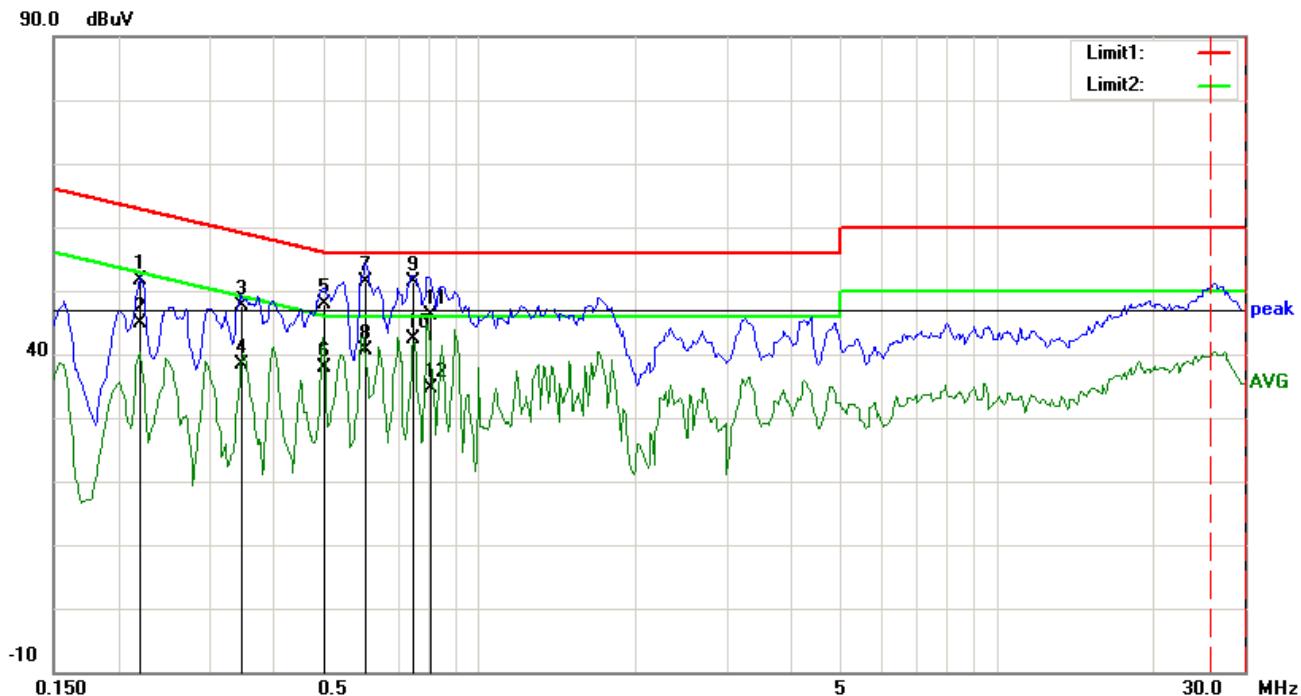
	5. The EUT was switched on and allowed to warm up to its normal operating condition. 6. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) over the required frequency range using an EMI test receiver. 7. High peaks, relative to the limit line, The EMI test receiver was then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

**Test Data**     Yes       N/A

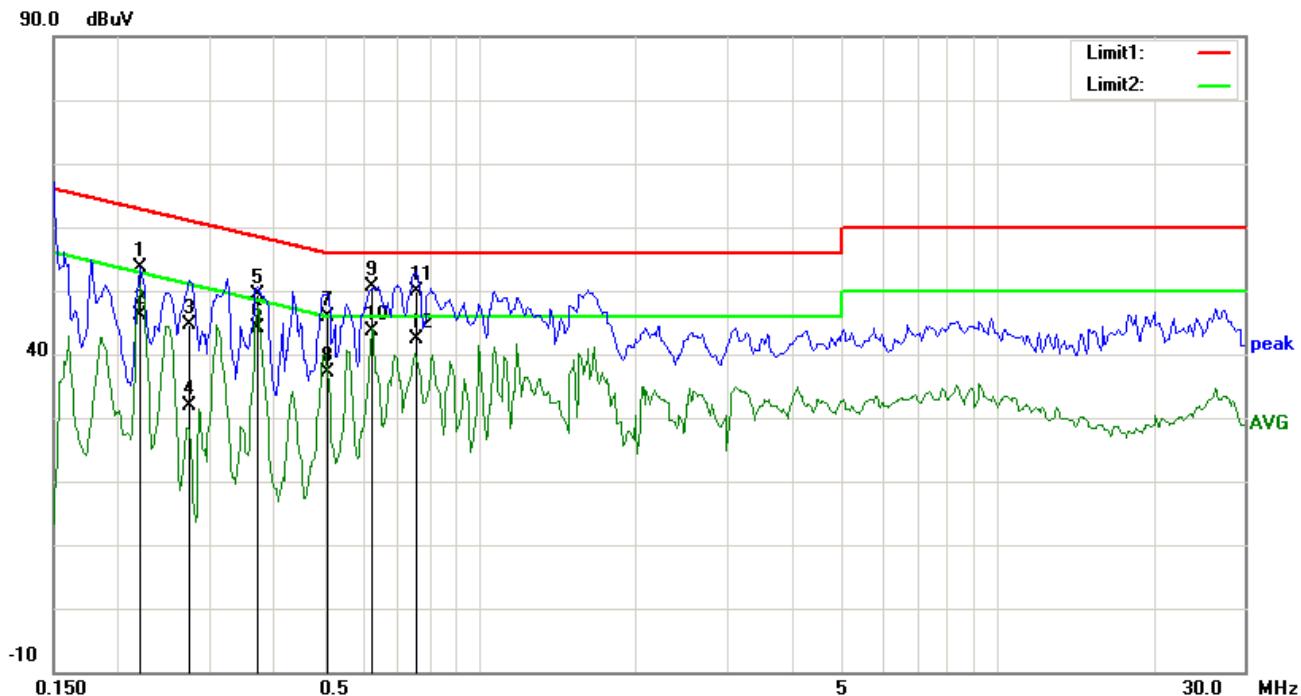
**Test Plot**     Yes (See below)       N/A

**Test Mode:**
**Transmitting Mode**

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

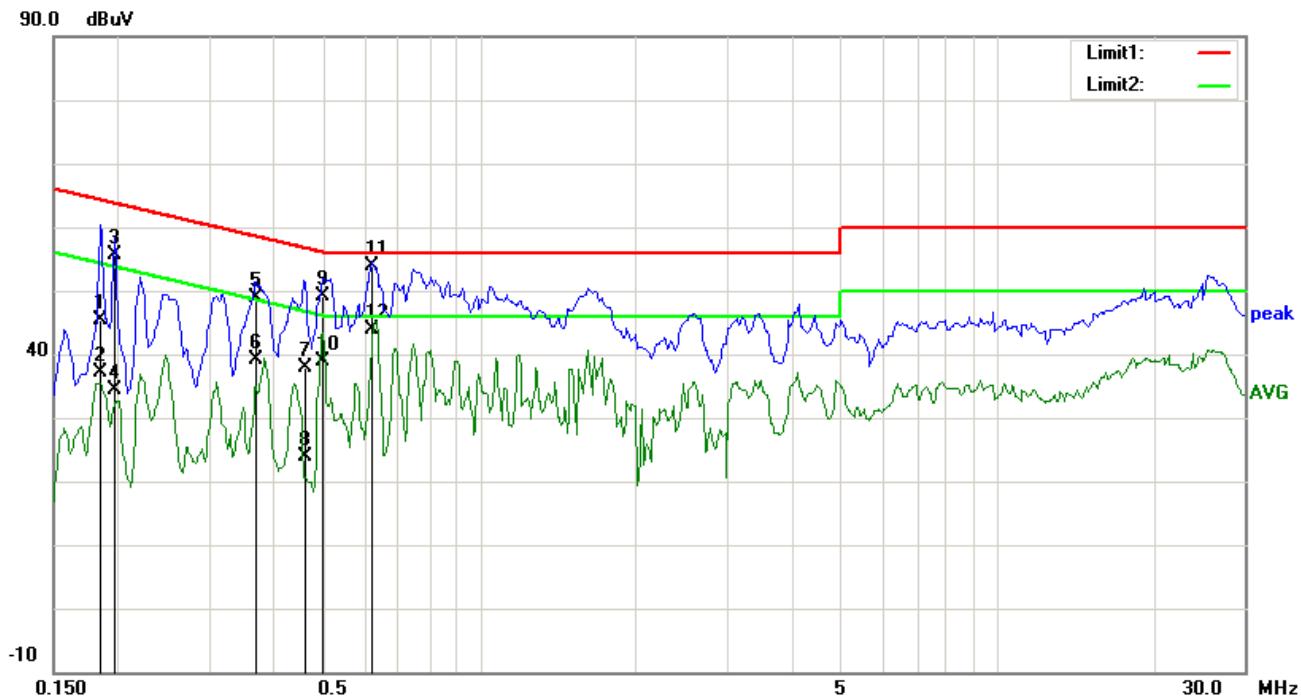
No.	P/L	Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected (dB)	Result (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)	Comment)
1	L1	0.2208	40.66	QP	12.94	53.60	62.79	-9.19	
2	L1	0.2208	33.23	AVG	12.94	46.17	52.79	-6.62	
3	L1	0.3116	34.98	QP	12.60	47.58	59.93	-12.35	
4	L1	0.3116	29.80	AVG	12.60	42.40	49.93	-7.53	
5	L1	0.3766	34.32	QP	12.36	46.68	58.35	-11.67	
6	L1	0.3766	27.70	AVG	12.36	40.06	48.35	-8.29	
7	L1	0.4977	35.63	QP	11.91	47.54	56.04	-8.50	
8	L1	0.4977	28.12	AVG	11.91	40.03	46.04	-6.01	
9	L1	0.6238	40.32	QP	11.78	52.10	56.00	-3.90	
10	L1	0.6238	33.06	AVG	11.78	44.84	46.00	-1.16	
11	L1	0.7398	38.20	QP	11.66	49.86	56.00	-6.14	
12	L1	0.7398	30.03	AVG	11.66	41.69	46.00	-4.31	

**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)	Comment
1	N	0.2208	38.78	QP	12.94	51.72	62.79	-11.07	
2	N	0.2208	31.98	AVG	12.94	44.92	52.79	-7.87	
3	N	0.3465	35.23	QP	12.47	47.70	59.05	-11.35	
4	N	0.3465	26.03	AVG	12.47	38.50	49.05	-10.55	
5	N	0.4994	36.04	QP	11.90	47.94	56.01	-8.07	
6	N	0.4994	26.07	AVG	11.90	37.97	46.01	-8.04	
7	N	0.6031	39.55	QP	11.80	51.35	56.00	-4.65	
8	N	0.6031	28.92	AVG	11.80	40.72	46.00	-5.28	
9	N	0.7430	39.69	QP	11.66	51.35	56.00	-4.65	
10	N	0.7430	30.60	AVG	11.66	42.26	46.00	-3.74	
11	N	0.8045	34.57	QP	11.60	46.17	56.00	-9.83	
12	N	0.8045	23.12	AVG	11.60	34.72	46.00	-11.28	

**Test Mode:**
**Transmitting Mode**

**Test Data**
**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)	Comment
1	L1	0.2208	40.76	QP	12.94	53.70	62.79	-9.09	
2	L1	0.2208	33.23	AVG	12.94	46.17	52.79	-6.62	
3	L1	0.2750	31.89	QP	12.74	44.63	60.97	-16.34	
4	L1	0.2750	19.18	AVG	12.74	31.92	50.97	-19.05	
5	L1	0.3727	36.89	QP	12.37	49.26	58.44	-9.18	
6	L1	0.3727	31.74	AVG	12.37	44.11	48.44	-4.33	
7	L1	0.5055	33.97	QP	11.89	45.86	56.00	-10.14	
8	L1	0.5055	25.24	AVG	11.89	37.13	46.00	-8.87	
9	L1	0.6188	38.89	QP	11.78	50.67	56.00	-5.33	
10	L1	0.6188	31.88	AVG	11.78	43.66	46.00	-2.34	
11	L1	0.7477	38.30	QP	11.65	49.95	56.00	-6.05	
12	L1	0.7477	30.74	AVG	11.65	42.39	46.00	-3.61	

**Test Mode:**
**Transmitting Mode**

**Test Data**

Phase Neutral Plot at 240Vac, 60Hz

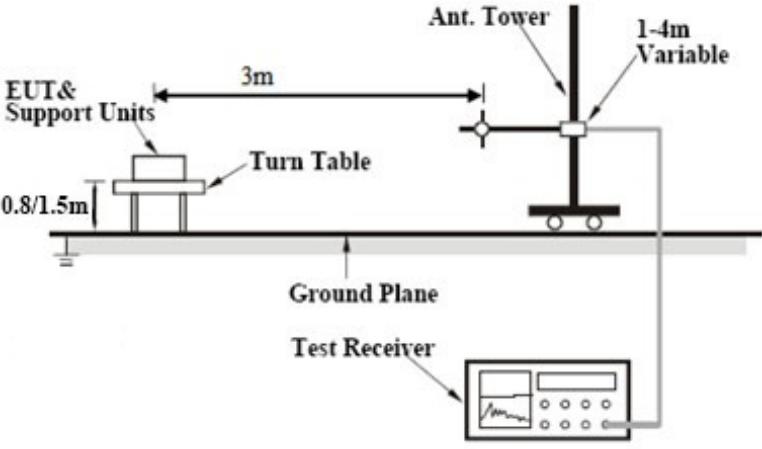
No.	P/L	Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected (dB)	Result (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)	Comment)
1	N	0.1852	32.23	QP	13.07	45.30	64.25	-18.95	
2	N	0.1852	24.02	AVG	13.07	37.09	54.25	-17.16	
3	N	0.1969	42.61	QP	13.03	55.64	63.74	-8.10	
4	N	0.1969	21.24	AVG	13.03	34.27	53.74	-19.47	
5	N	0.3692	36.52	QP	12.39	48.91	58.52	-9.61	
6	N	0.3692	26.64	AVG	12.39	39.03	48.52	-9.49	
7	N	0.4588	25.86	QP	12.05	37.91	56.71	-18.80	
8	N	0.4588	11.93	AVG	12.05	23.98	46.71	-22.73	
9	N	0.4977	37.25	QP	11.91	49.16	56.04	-6.88	
10	N	0.4977	27.00	AVG	11.91	38.91	46.04	-7.13	
11	N	0.6188	42.13	QP	11.78	53.91	56.00	-2.09	
12	N	0.6188	32.00	AVG	11.78	43.78	46.00	-2.22	

## 6.7 Radiated Spurious Emissions

Temperature	24°C
Relative Humidity	59%
Atmospheric Pressure	1007mbar
Test date :	July 07, 2015
Tested By :	Winnie 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>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)	30 – 88	100	88 – 216	150	216 – 960	200	Above 960	500	<input checked="" type="checkbox"/>
Frequency range (MHz)	Field Strength ( $\mu$ V/m)												
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"/>											

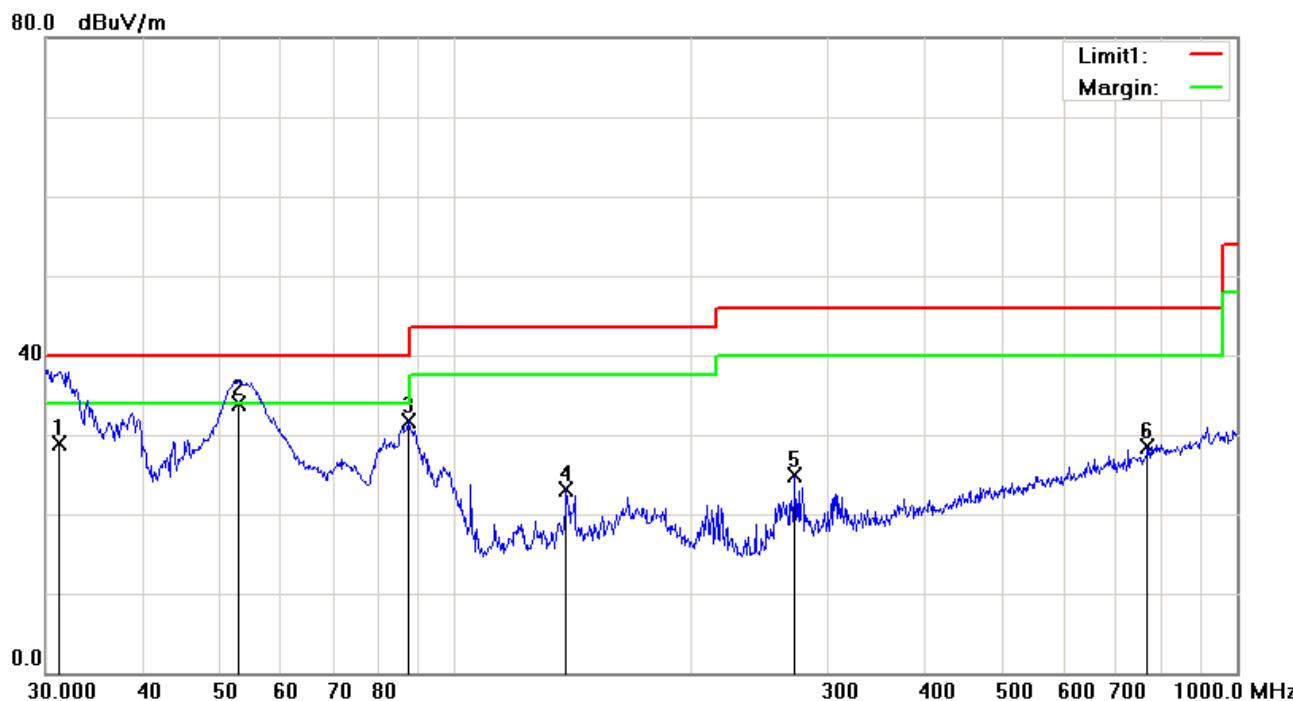
Test Setup	 <p>The diagram illustrates the test setup. An EUT &amp; Support Units assembly is mounted on a Turn Table, which is positioned on a Ground Plane. The Turn Table is 0.8/1.5m from the ground plane. A vertical Ant. Tower is connected to the turn table via a horizontal crossbar. The tower has a height adjustment labeled '1-4m Variable'. A Test Receiver is connected to the turn table, and its signal is processed by a spectrum analyzer.</p>
Procedure	<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.            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> <li>5. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.</li> </ol>
Remark	<p>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.</p>
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

(Below 1GHz)

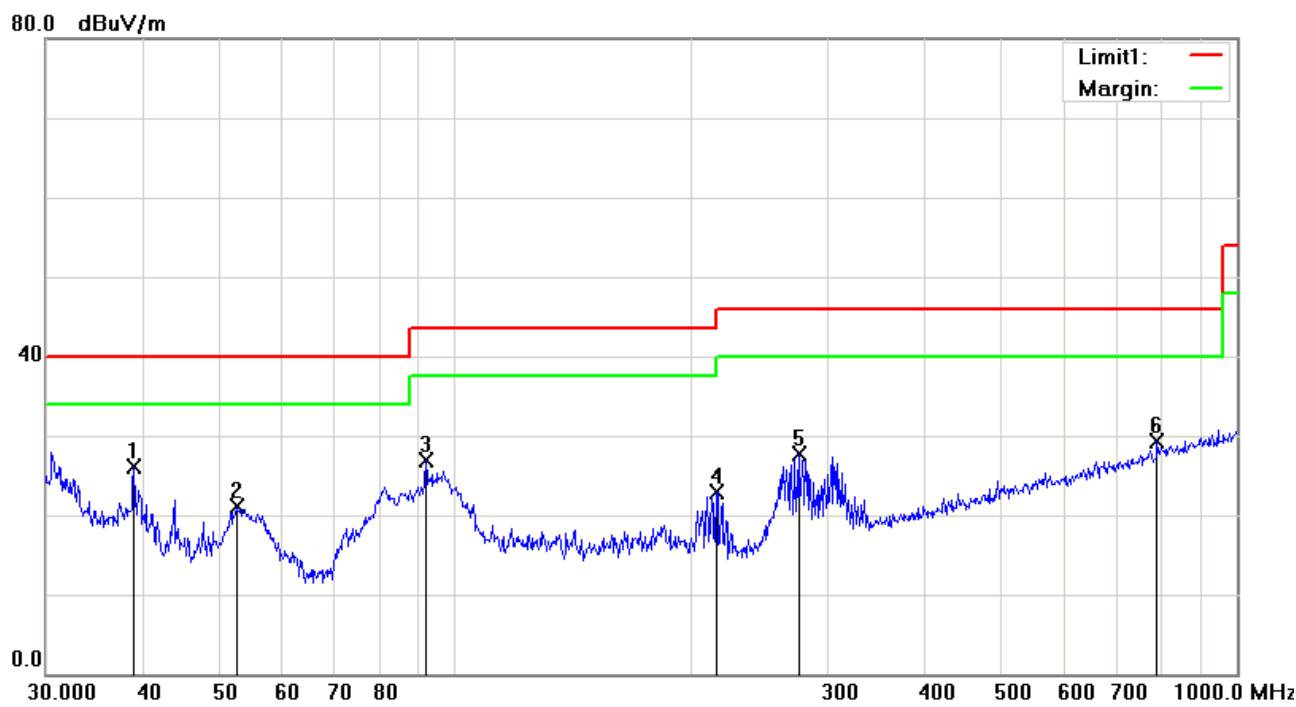


### *Test Data*

#### Vertical Polarity Plot @3m

No	P/L	Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected (dB)	Result (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)	Height	Degree	Comment
1	V	31.1798	30.12	QP	-1.13	28.99	40.00	-11.01	100	257	
2	V	52.9453	47.40	QP	-13.52	33.88	40.00	-6.12	100	261	
3	V	87.1117	45.09	peak	-13.45	31.64	40.00	-8.36	100	316	
4	V	138.8735	31.52	peak	-8.48	23.04	43.50	-20.46	100	69	
5	V	272.2776	33.09	peak	-8.17	24.92	46.00	-21.08	100	125	
6	V	768.7482	25.88	peak	2.70	28.58	46.00	-17.42	100	147	

(Below 1GHz)



*Test Data*

Horizontal Polarity Plot @3m

No	P/L	Frequency (MHz)	Reading (dB $\mu$ V)	Detector	Corrected (dB)	Result (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)	Height	Degree	Comment
1	H	38.8879	32.86	peak	-6.78	26.08	40.00	-13.92	100	209	
2	H	52.5753	34.62	peak	-13.48	21.14	40.00	-18.86	100	198	
3	H	91.8163	39.77	peak	-12.92	26.85	43.50	-16.65	100	105	
4	H	216.0240	31.71	peak	-8.88	22.83	46.00	-23.17	100	260	
5	H	275.1570	35.75	peak	-8.03	27.72	46.00	-18.28	100	157	
6	H	790.6188	26.26	peak	3.06	29.32	46.00	-16.68	100	238	

**Test Mode:**
**Transmitting Mode**
**Low Channel (2412 MHz)**

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	35.95	AV	V	34	6.86	31.72	45.09	54	-8.91
4824	37.26	AV	H	33.8	6.86	31.72	46.2	54	-7.8
4824	45.36	PK	V	34	6.86	31.72	54.5	74	-19.5
4824	47.92	PK	H	33.8	6.86	31.72	56.86	74	-17.14

**Middle Channel (2437 MHz)**

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	37.67	AV	V	33.6	6.82	31.82	46.27	54	-7.73
4874	38.47	AV	H	33.8	6.82	31.82	47.27	54	-6.73
4874	46.85	PK	V	33.6	6.82	31.82	55.45	74	-18.55
4874	48.12	PK	H	33.8	6.82	31.82	56.92	74	-17.08

**High Channel (2462 MHz)**

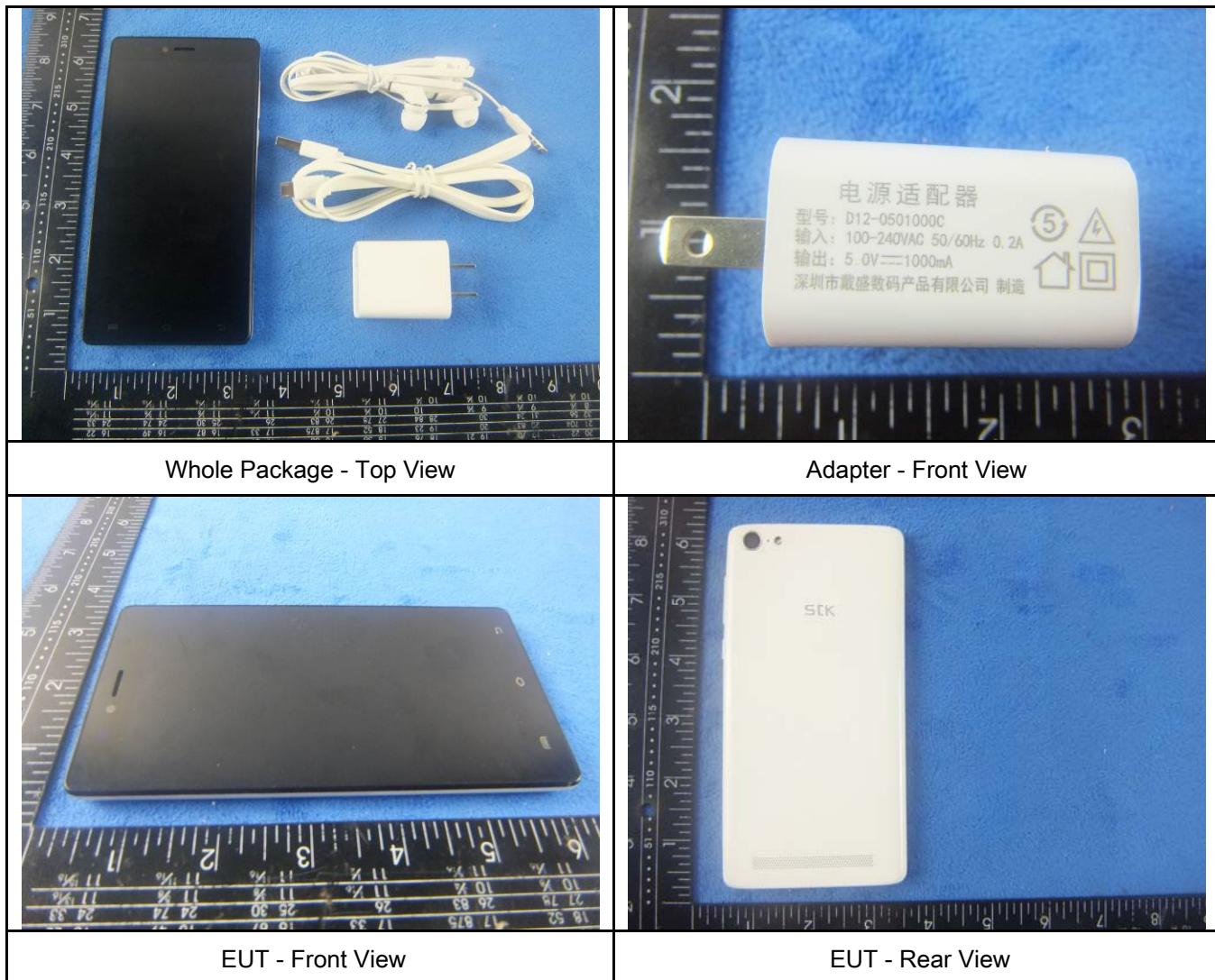
Frequency (MHz)	S.A. Reading (dB $\mu$ V)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord Amp. (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
4924	35.36	AV	V	34.6	6.76	31.92	44.8	54	-9.2
4924	36.65	AV	H	34.7	6.76	31.92	46.19	54	-7.81
4924	47.32	PK	V	34.6	6.76	31.92	56.76	74	-17.24
4924	48.11	PK	H	34.7	6.76	31.92	57.65	74	-16.35

## Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
<b>AC Line Conducted</b>					
EMI test receiver	ESCS30	8471241027	09/18/2014	09/17/2015	<input checked="" type="checkbox"/>
Line Impedance	LI-125A	191106	09/26/2014	09/25/2015	<input checked="" type="checkbox"/>
Line Impedance	LI-125A	191107	09/26/2014	09/25/2015	<input checked="" type="checkbox"/>
LISN	ISN T800	34373	09/26/2014	09/25/2015	<input checked="" type="checkbox"/>
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/25/2014	09/24/2015	<input checked="" type="checkbox"/>
Transient Limiter	LIT-153	531118	09/02/2014	09/01/2015	<input checked="" type="checkbox"/>
<b>RF conducted test</b>					
Agilent ESA-E SERIES	E4407B	MY45108319	09/18/2014	09/17/2015	<input checked="" type="checkbox"/>
Power Splitter	1#	1#	09/02/2014	09/01/2015	<input checked="" type="checkbox"/>
DC Power Supply	E3640A	MY40004013	09/18/2014	09/17/2015	<input checked="" type="checkbox"/>
<b>Radiated Emissions</b>					
EMI test receiver	ESL6	100262	09/18/2014	09/17/2015	<input checked="" type="checkbox"/>
Positioning Controller	UC3000	MF780208282	11/20/2014	11/19/2015	<input checked="" type="checkbox"/>
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	09/02/2014	09/01/2015	<input checked="" type="checkbox"/>
Microwave Preamplifier (1 ~ 26.5GHz)	8449B	3008A02402	03/25/2015	03/24/2016	<input checked="" type="checkbox"/>
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/22/2014	09/21/2015	<input checked="" type="checkbox"/>
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/25/2014	09/24/2015	<input checked="" type="checkbox"/>
Universal Radio Communication Tester	CMU200	121393	09/26/2014	09/25/2015	<input checked="" type="checkbox"/>

## Annex B. EUT and Test Setup Photographs

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

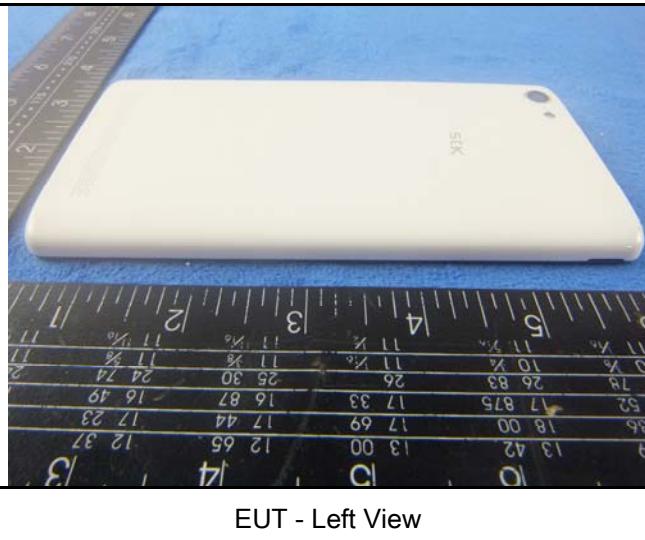




EUT - Top View



EUT - Bottom View

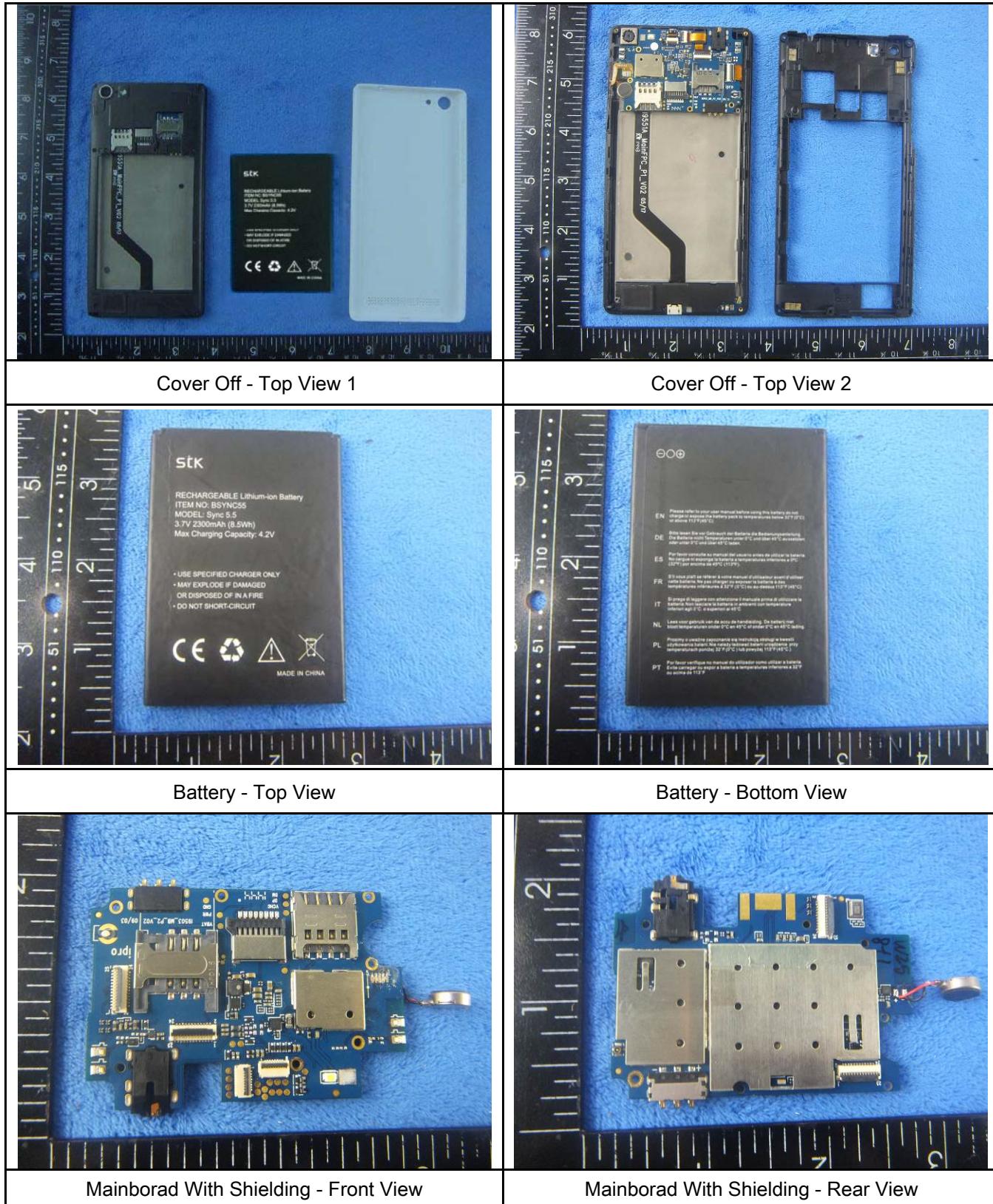


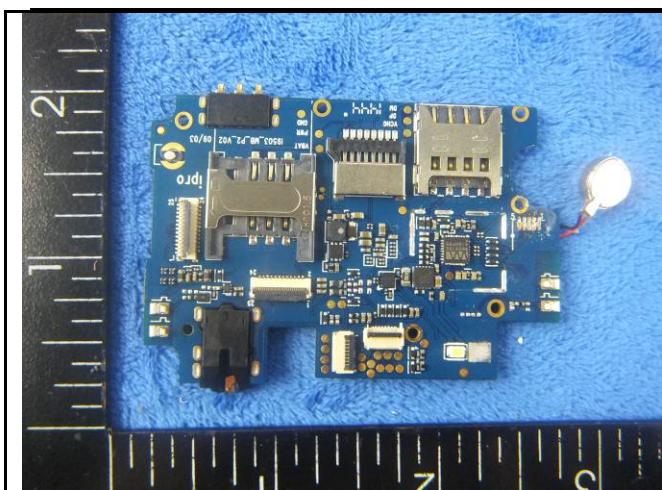
EUT - Left View



EUT - Right View

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

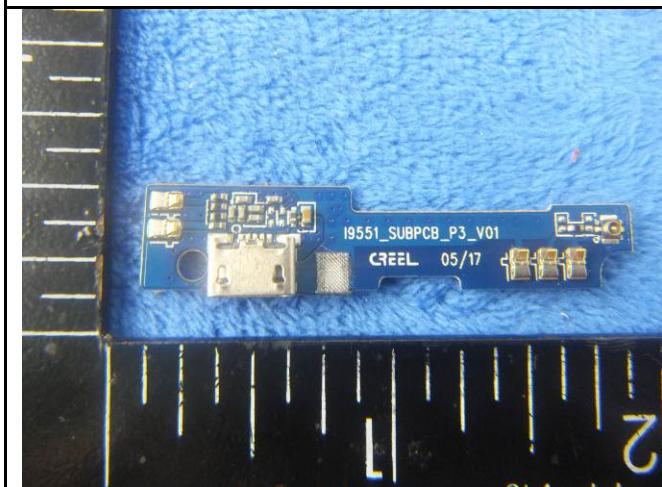




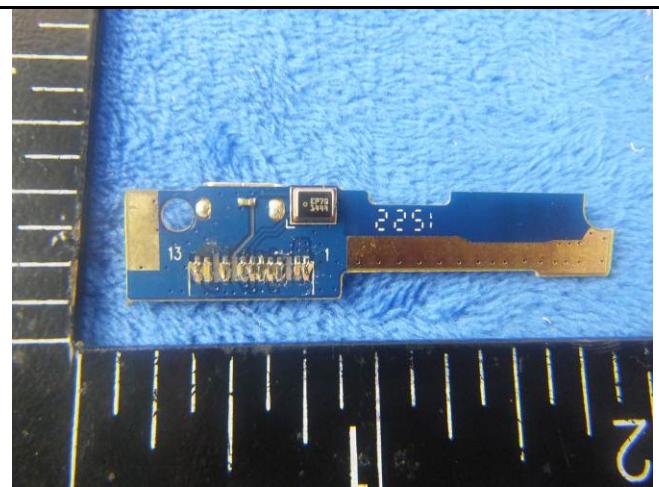
Mainborad Without Shielding - Front View



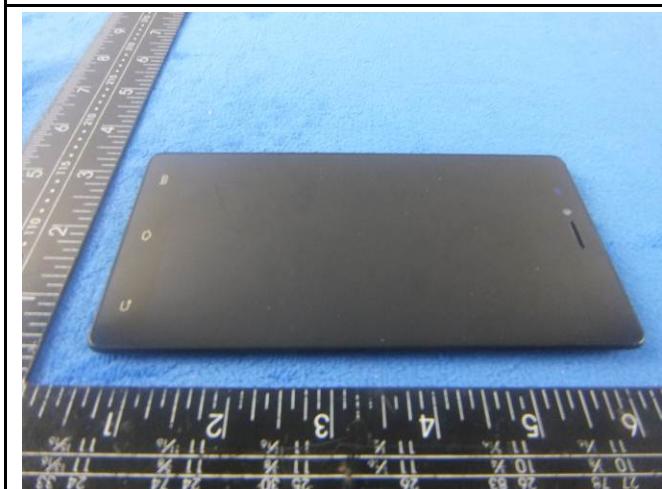
Mainborad Without Shielding - Rear View



Small borad With Shielding - Front View



Small borad With Shielding - Rear View



LCD – Front View



LCD - Rear View

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WIFI/BT/BLE - Antenna View



GSM/PCS/UMTS-FDD Antenna View

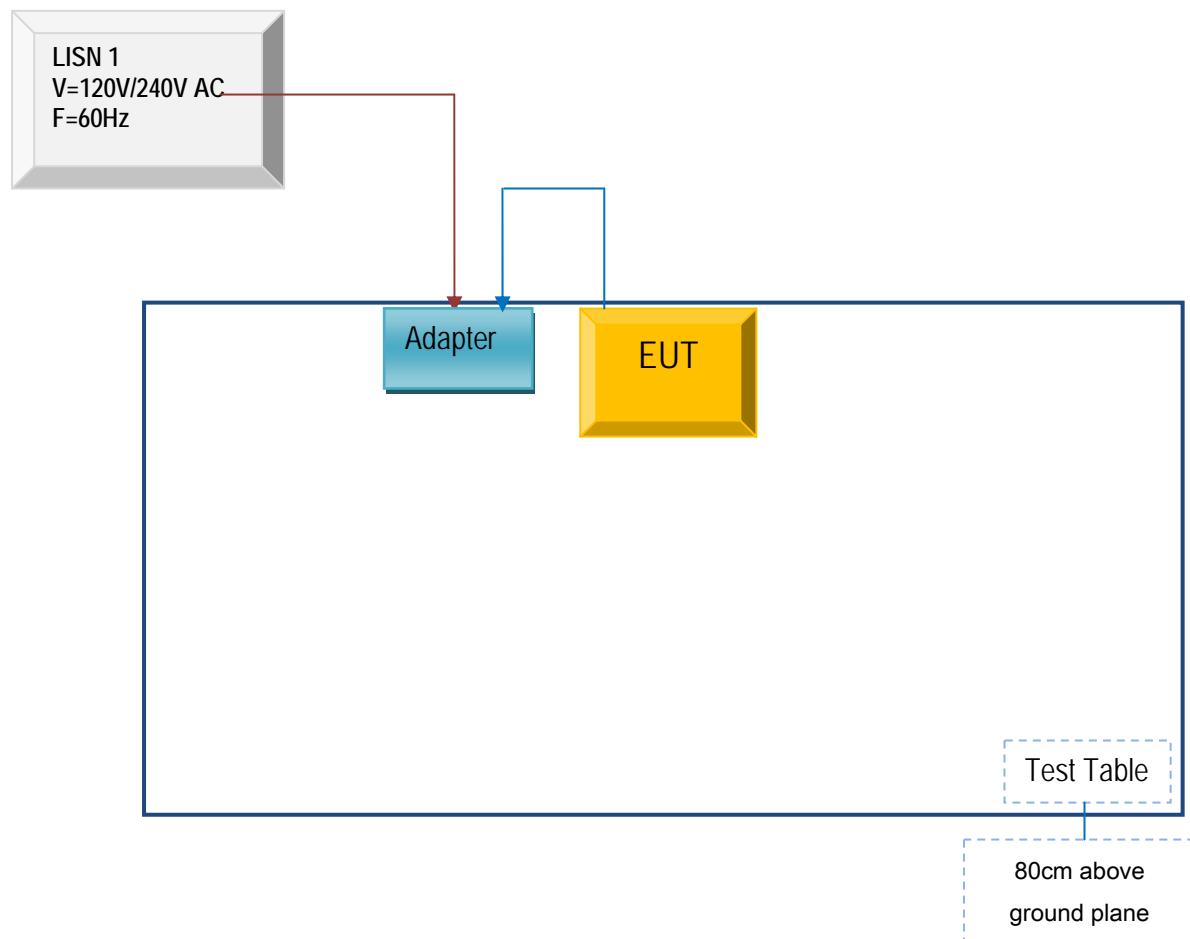
**Annex B.iii. Photograph: Test Setup Photo**



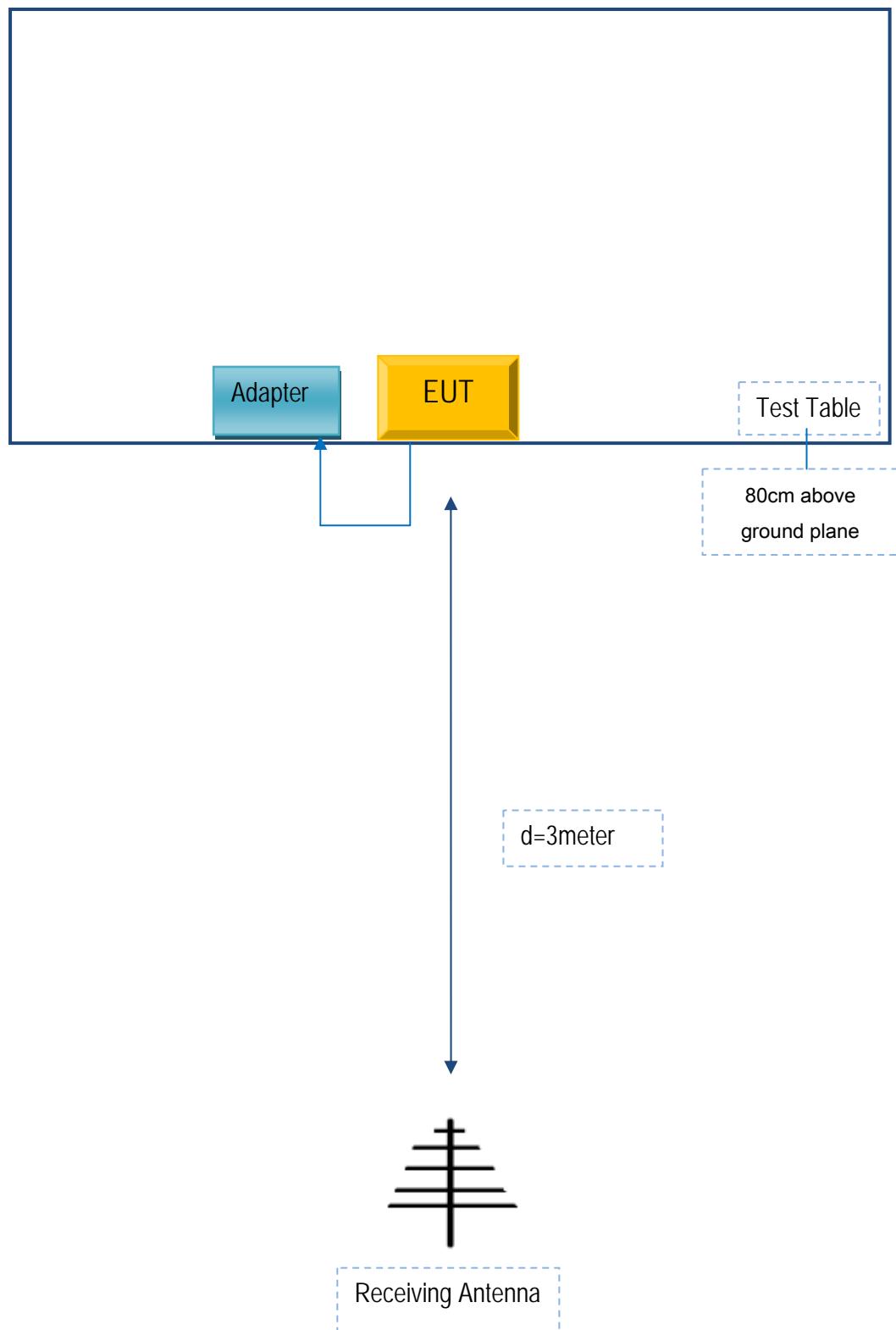
## Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

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

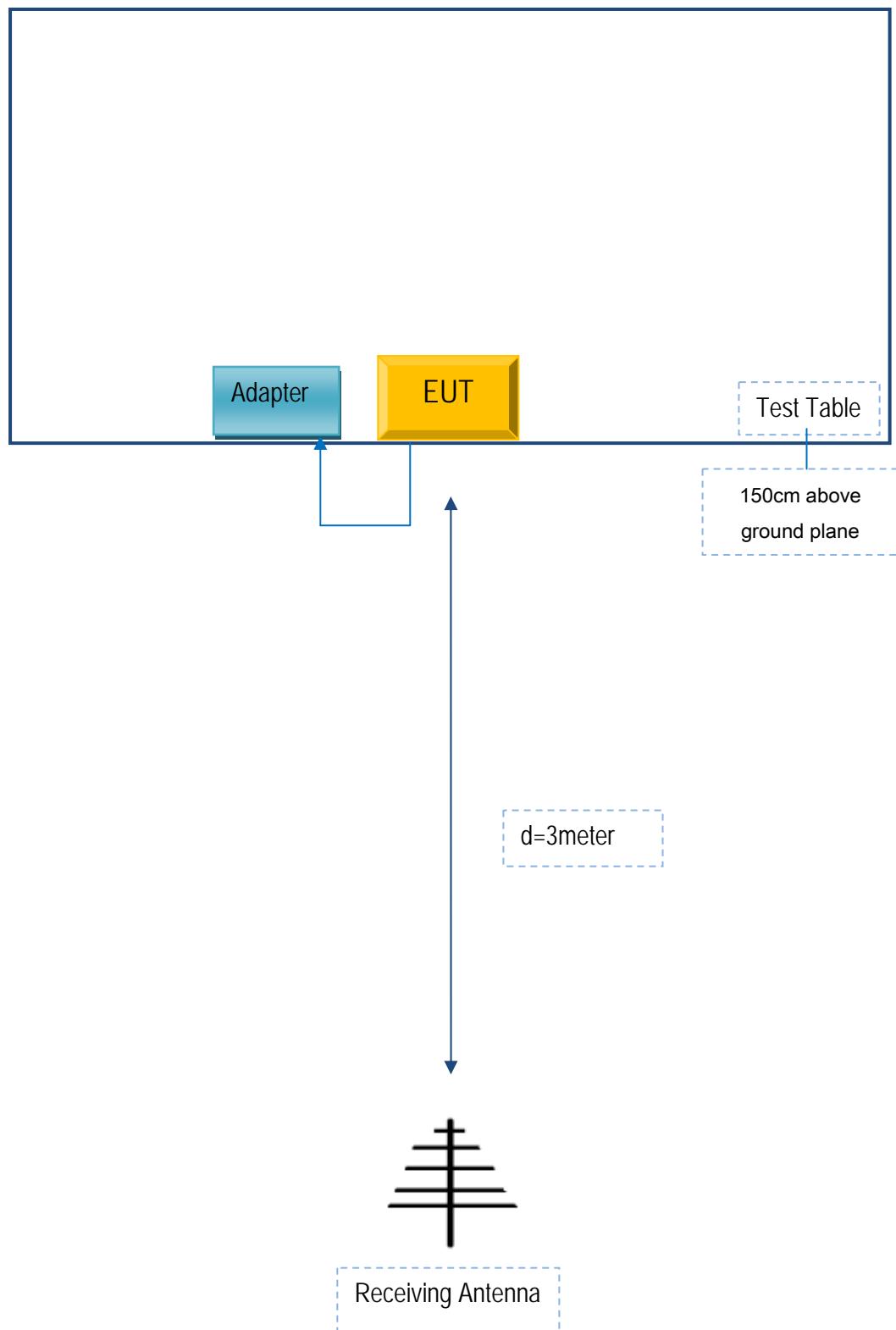
Block Configuration Diagram for AC Line Conducted Emissions



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.

Manufacturer	Equipment Description	Model	Calibration Date	Calibration Due Date
N/A	N/A	N/A	N/A	N/A

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

Please see attachment

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## Annex E. DECLARATION OF SIMILARITY

N/A