




# RF TEST REPORT



Report No.: 17070376-FCC-R3 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 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

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### Accreditations for Conformity Assessment

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

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## 1. Report Revision History

Report No.	Report Version	Description	Issue Date
17070376-FCC-R3	NONE	Original	June 13, 2017
17070376-FCC-R3 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 : DSS

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

Type of Modulation:	<p>GSM / GPRS: GMSK</p> <p>EGPRS: GMSK,8PSK</p> <p>UMTS-FDD: QPSK</p> <p>LTE Band: QPSK, 16QAM</p> <p>802.11b: DSSS</p> <p>802.11a/g/n20/n40: OFDM</p> <p>Bluetooth: GFSK, <math>\pi/4</math>DQPSK, 8DPSK</p> <p>BLE: GFSK</p> <p>GPS: BPSK</p>
RF Operating Frequency (ies):	<p>GSM850 TX: 824.2 ~ 848.8 MHz; RX: 869.2 ~ 893.8 MHz</p> <p>PCS1900 TX: 1850.2 ~ 1909.8 MHz; RX: 1930.2 ~ 1989.8 MHz</p> <p>UMTS-FDD Band V TX: 826.4 ~ 846.6 MHz; RX: 871.4 ~ 891.6 MHz</p> <p>UMTS-FDD Band IV TX:1712.4 ~ 1752.6 MHz;</p> <p style="padding-left: 100px;">RX : 2112.4 ~ 2152.6 MHz</p> <p>UMTS-FDD Band II TX:1852.4 ~ 1907.6 MHz;</p> <p style="padding-left: 100px;">RX: 1932.4 ~ 1987.6 MHz</p> <p>LTE Band II TX: 1850.7~ 1909.3 MHz; RX : 1930.7 ~ 1989.3 MHz</p> <p>LTE Band IV TX: 1710.7 ~ 1754.3 MHz; RX : 2110.7 ~ 2154.3 MHz</p> <p>LTE Band VII TX: 2502.5 ~ 2567.5 MHz; RX : 2622.5 ~ 2687.5 MHz</p> <p>802.11b/g: 2412-2462 MHz (TX/RX)</p> <p>802.11n20: 2412-2462MHz ;5180-5320 MHz;</p> <p>5745-5825 MHz; (TX/RX)</p> <p>802.11n40: 2422-2452 MHz (TX/RX); 5190-5310 MHz;</p> <p>5755-5795 MHz; ( TX/RX)</p> <p>802.11 a: 5180-5320 MHz; 5745-5825 MHz (TX/RX)</p> <p>Bluetooth&amp; BLE: 2402-2480 MHz</p> <p>GPS: 1575.42 MHz</p>
Max. Output Power:	-0.099dBm

Number of Channels:	GSM 850: 124CH
	PCS1900: 299CH
	UMTS-FDD Band V: 102CH
	UMTS-FDD Band IV: 202CH
	UMTS-FDD Band II: 277CH
	WIFI :802.11b/g: 11CH
	WIFI :802.11a: 24CH
	WIFI :802.11n20: 11CH(2.4GHz); 24CH(5GHz)
	WIFI :802.11n40: 9CH(2.4GHz); 12CH(5GHz)
	Bluetooth: 79CH
Port:	BLE: 40CH
	GPS:1CH
	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
	Battery :
	Model: BL-42AX
Input Power:	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)(1)	Channel Separation	Compliance
§15.247(a)(1)	20 dB Bandwidth	Compliance
§15.247(b)(1)	Peak Output Power	Compliance
§15.247(a)(1)(iii)	Number of Hopping Channel	Compliance
§15.247(a)(1)(iii)	Time of Occupancy (Dwell Time)	Compliance
§15.247(d)	Band Edge& Restricted Band	Compliance
§15.207(a)	AC Line Conducted Emissions	Compliance
§15.205, §15.209, §15.247(d)	Radiated Emissions& Restricted Band	Compliance

### Measurement Uncertainty

Emissions		
Test Item	Description	Uncertainty
Band Edge& Restricted Band and Radiated Emissions& Restricted Band	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:

- Antenna must be permanently attached to the unit.
- 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.


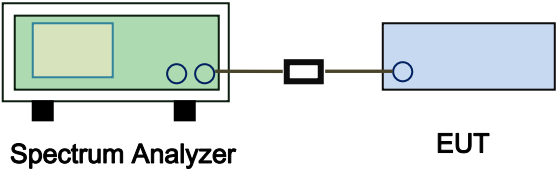
**The antenna meets up with the ANTENNA REQUIREMENT.**

**Result:** Compliance.

## 6.2 Channel Separation

Temperature	25°C
Relative Humidity	57%
Atmospheric Pressure	1024mbar
Test date :	May 24, 2017
Tested By :	Vera Zhang

### Requirement(s):

Spec	Item	Requirement	Applicable
§ 15.247(a)(1)	a)	Channel Separation < 20dB BW and 20dB BW < 25KHz ; Channel Separation Limit=25KHz Chanel Separation < 20dB BW and 20dB BW > 25kHz ; Channel Separation Limit=2/3 20dB BW	
Test Setup	 <p style="text-align: center;">Spectrum Analyzer                      EUT</p>		
Test Procedure	<p>The test follows FCC Public Notice DA 00-705 Measurement Guidelines. Use the following spectrum analyzer settings:</p> <ul style="list-style-type: none"> <li>- The EUT must have its hopping function enabled</li> <li>- Span = wide enough to capture the peaks of two adjacent channels</li> <li>- Resolution (or IF) Bandwidth (RBW) ≥ 1% of the span</li> <li>- Video (or Average) Bandwidth (VBW) ≥ RBW</li> <li>- Sweep = auto</li> <li>- Detector function = peak</li> <li>- Trace = max hold</li> <li>- Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section. Submit this plot.</li> </ul>		

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

Test Data ☒ Yes ☐ N/A

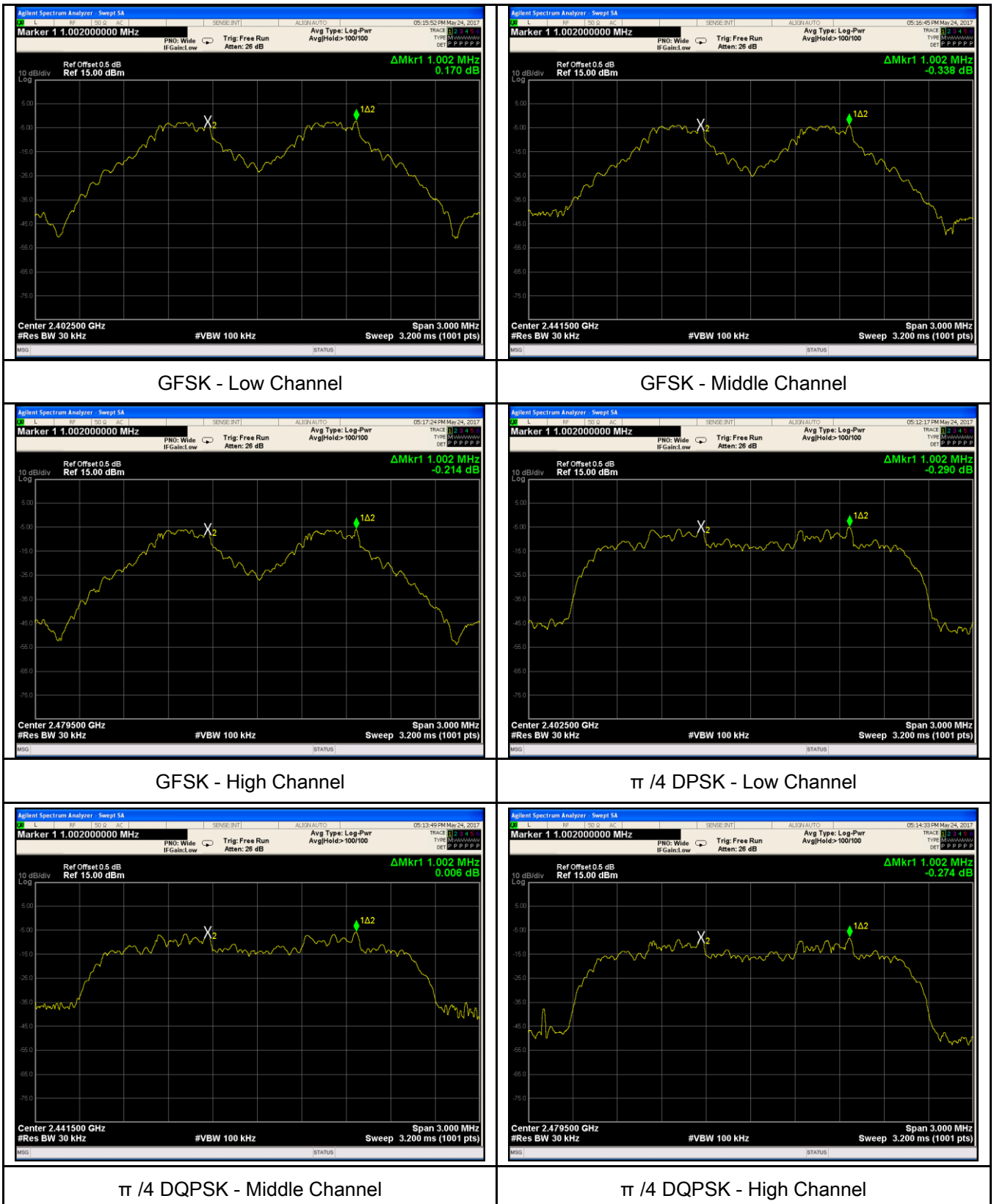
Test Plot ☒ Yes (See below) ☐ N/A

### Channel Separation measurement result

Type/ Modulation	CH	CH Frequency (MHz)	CH Separation (MHz)	Limit (MHz)	Result
CH Separation GFSK	Low Channel	2402	1.002	0.687	Pass
	Adjacency Channel	2403			
	Mid Channel	2440	1.002	0.683	Pass
	Adjacency Channel	2441			
	High Channel	2480	1.002	0.684	Pass
	Adjacency Channel	2479			
CH Separation $\pi/4$ DQPSK	Low Channel	2402	1.002	0.859	Pass
	Adjacency Channel	2403			
	Mid Channel	2440	1.002	0.861	Pass
	Adjacency Channel	2441			
	High Channel	2480	1.002	0.859	Pass
	Adjacency Channel	2479			
CH Separation 8DPSK	Low Channel	2402	1.002	0.861	Pass
	Adjacency Channel	2403			
	Mid Channel	2440	1.002	0.864	Pass
	Adjacency Channel	2441			
	High Channel	2480	1.002	0.863	Pass
	Adjacency Channel	2479			

## Test Plots

### Channel Separation measurement result





8DPSK - Low Channel



8DPSK - Middle Channel


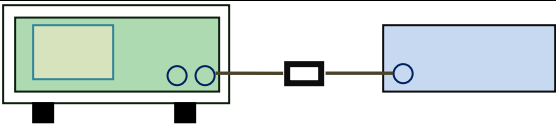


8DPSK - High Channel

### 6.3 20dB Bandwidth

Temperature	25°C
Relative Humidity	57%
Atmospheric Pressure	1024mbar
Test date :	May 24, 2017
Tested By :	Vera Zhang

#### Requirement(s):

Spec	Item	Requirement	Applicable
§15.247(a) (1)	a)	Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.	
Test Setup	 <p style="text-align: center;">Spectrum Analyzer                      EUT</p>		
Test Procedure	<p>The test follows FCC Public Notice DA 00-705 Measurement Guidelines.  <u>Use the following spectrum analyzer settings:</u></p> <ul style="list-style-type: none"> <li>- Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel</li> <li>- RBW <math>\geq</math> 1% of the 20 dB bandwidth</li> <li>- VBW <math>\geq</math> RBW</li> <li>- Sweep = auto</li> <li>- Detector function = peak</li> <li>- Trace = max hold.</li> <li>- The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference</li> </ul>		

	marker level. The marker-delta reading at this point is the 20 dB bandwidth of the emission. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).
Remark	
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data ☒ Yes ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A

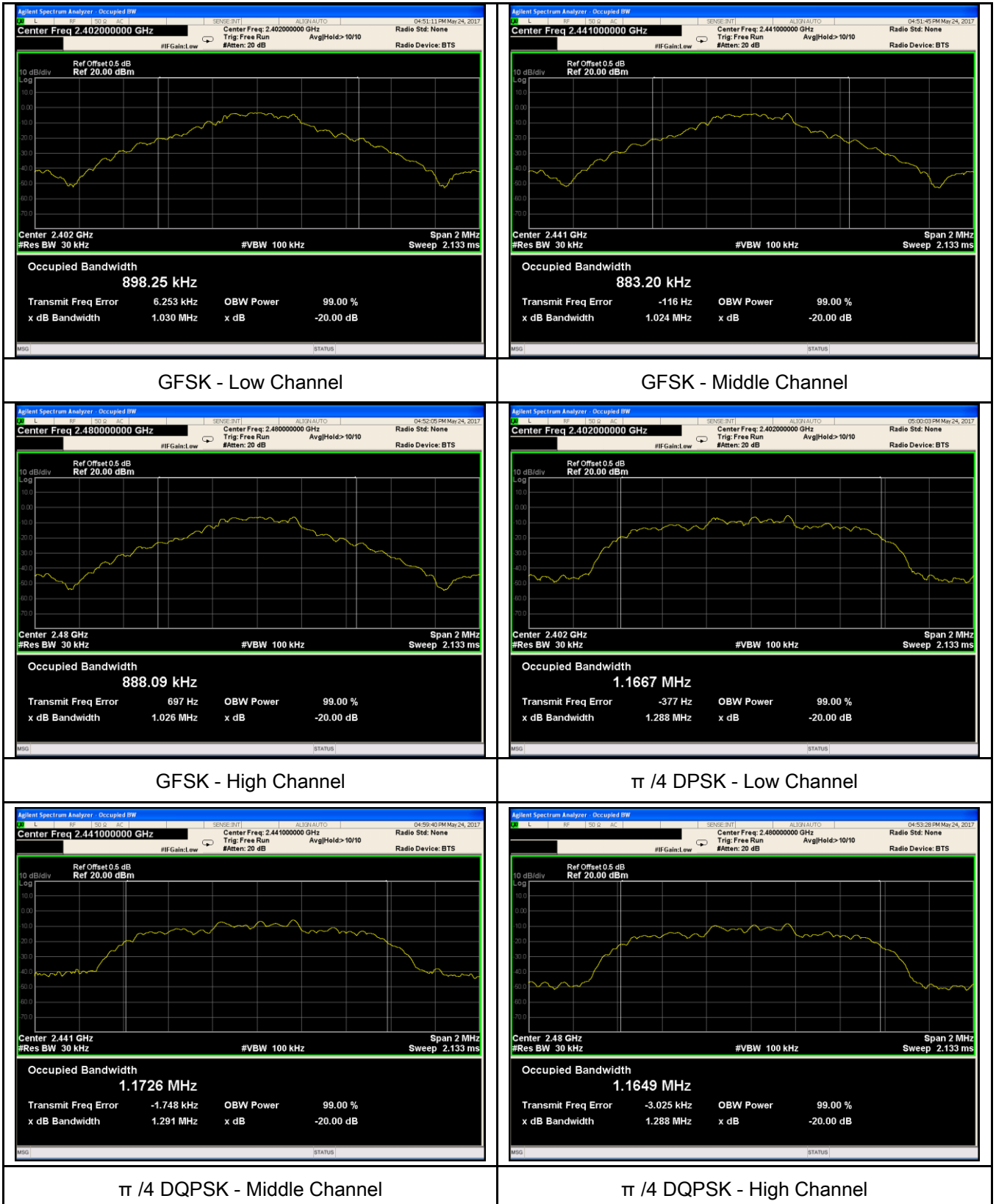
#### Measurement result

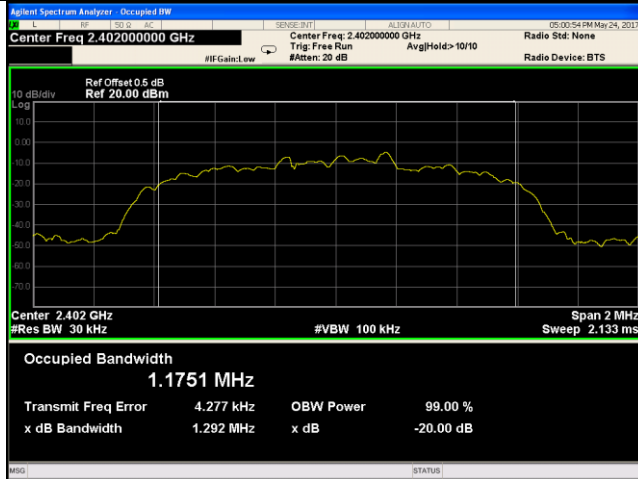
Modulation	CH	CH Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
GFSK	Low	2402	1.030	0.8983
	Mid	2441	1.024	0.8832
	High	2480	1.026	0.8881
$\pi/4$ DQPSK	Low	2402	1.288	1.1667
	Mid	2441	1.291	1.1726
	High	2480	1.288	1.1649
8-DPSK	Low	2402	1.292	1.1751
	Mid	2441	1.296	1.1824
	High	2480	1.294	1.1778



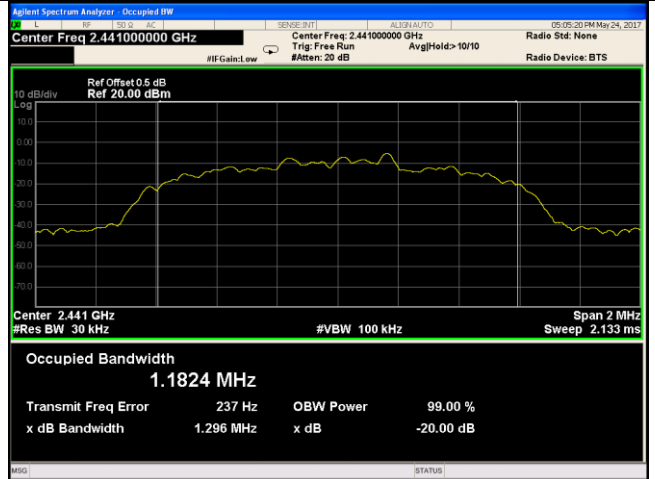
## Test Plots

### 20dB Bandwidth measurement result

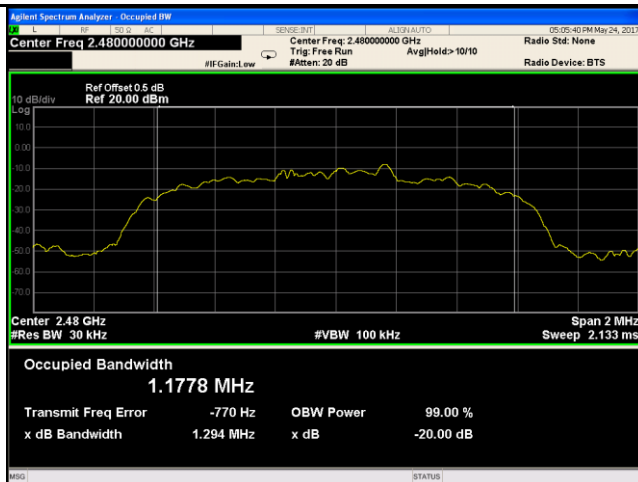




8DPSK - Low Channel



8DPSK - Middle Channel



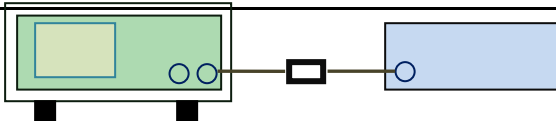
8DPSK - High Channel

## 6.4 Peak Output Power

Temperature	25°C
Relative Humidity	57%
Atmospheric Pressure	1024mbar
Test date :	May 24, 2017
Tested By :	Vera Zhang

### Requirement(s):

Spec	Item	Requirement	Applicable
§15.247(b) (3)	a)	FHSS in 2400-2483.5MHz with $\geq 75$ channels: $\leq 1$ Watt	<input checked="" 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 checked="" 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 type="checkbox"/>

Test Setup	 <p style="text-align: center;">Spectrum Analyzer                      EUT</p>
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Test Procedure	<p>The test follows FCC Public Notice DA 00-705 Measurement Guidelines.</p> <p><u>Use the following spectrum analyzer settings:</u></p> <ul style="list-style-type: none"> <li>- Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel</li> <li>- RBW <math>&gt;</math> the 20 dB bandwidth of the emission being measured</li> <li>- VBW <math>\geq</math> RBW</li> <li>- Sweep = auto</li> <li>- Detector function = peak</li> <li>- Trace = max hold</li> <li>- Allow the trace to stabilize.</li> </ul>
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	<p>- Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power (see the note above regarding external attenuation and cable loss). The limit is specified in one of the subparagraphs of this Section. Submit this plot. A peak responding power meter may be used instead of a spectrum analyzer.</p>
Remark	
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

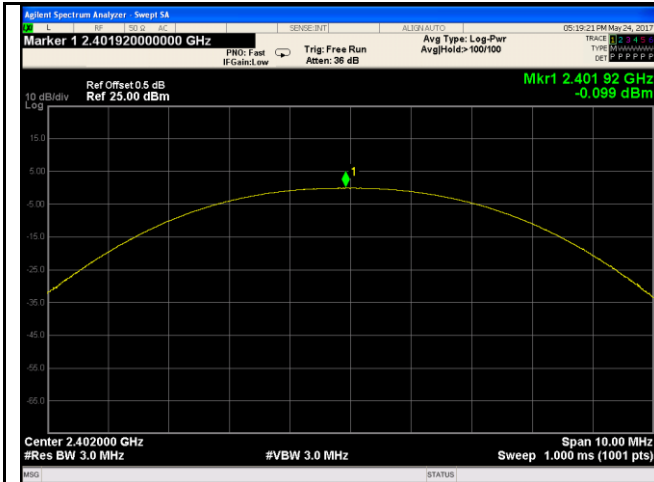
Test Data ☒ Yes ☐ N/A  
 Test Plot ☒ Yes (See below) ☐ N/A

#### Peak Output Power measurement result

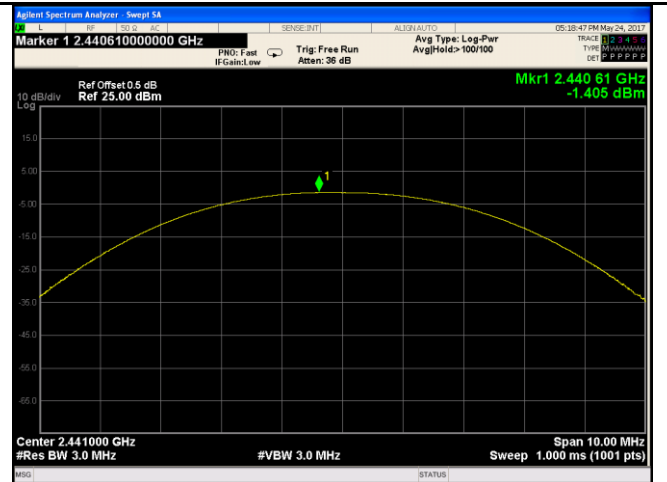
Type	Modulation	CH	Frequency (MHz)	Conducted Power (dBm)	Limit (mW)	Result
Output power	GFSK	Low	2402	-0.099	125	Pass
		Mid	2441	-1.405	125	Pass
		High	2480	-1.983	125	Pass
	$\pi/4$ DQPSK	Low	2402	-1.019	125	Pass
		Mid	2441	-1.738	125	Pass
		High	2480	-2.354	125	Pass
	8-DPSK	Low	2402	-0.836	125	Pass
		Mid	2441	-1.439	125	Pass
		High	2480	-2.271	125	Pass

## Test Plots

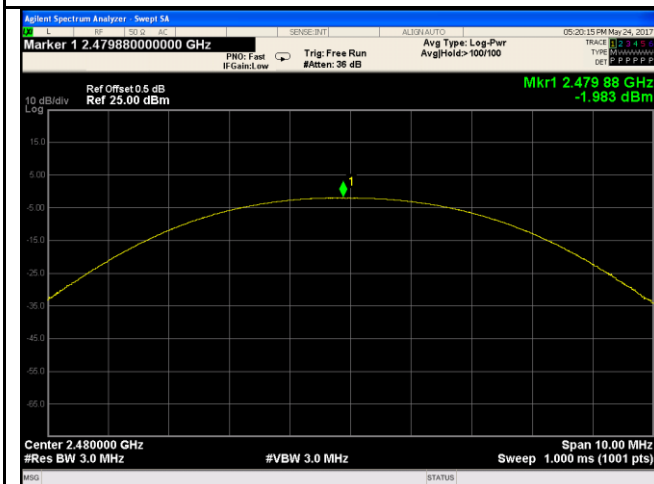
### Output Power measurement result



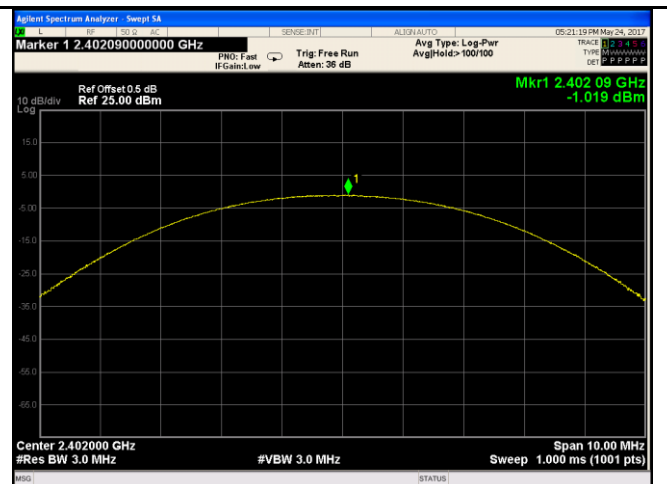
GFSK Output power - Low CH 2402



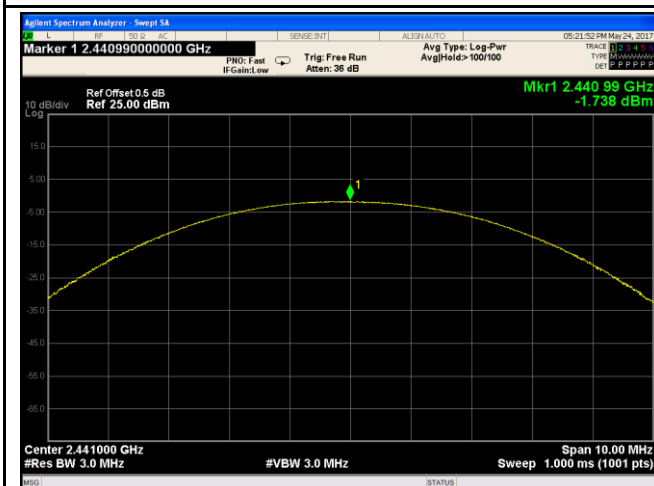
GFSK Output power - Mid CH 2441



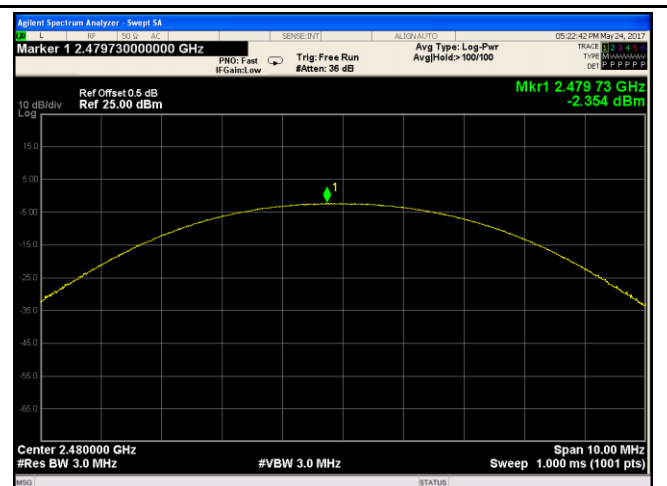
GFSK Output power - High CH 2480



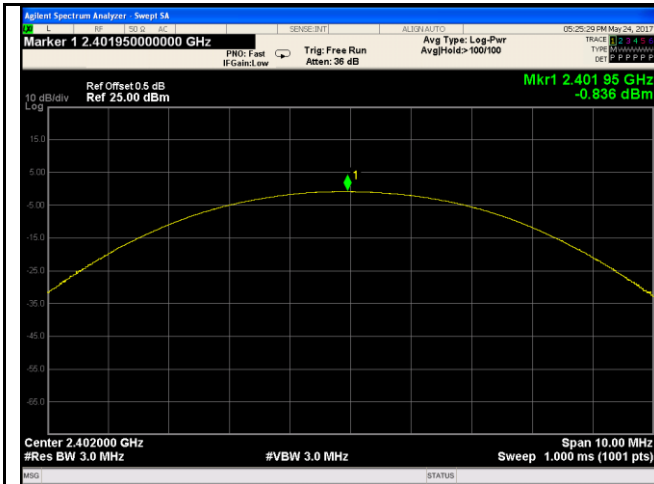
$\pi/4$  DQPSK Output power - Low CH 2402



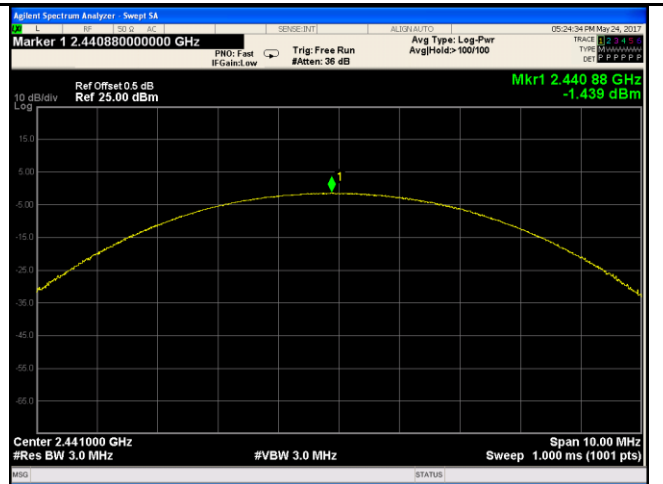
$\pi/4$  DQPSK Output power - Mid CH 2441



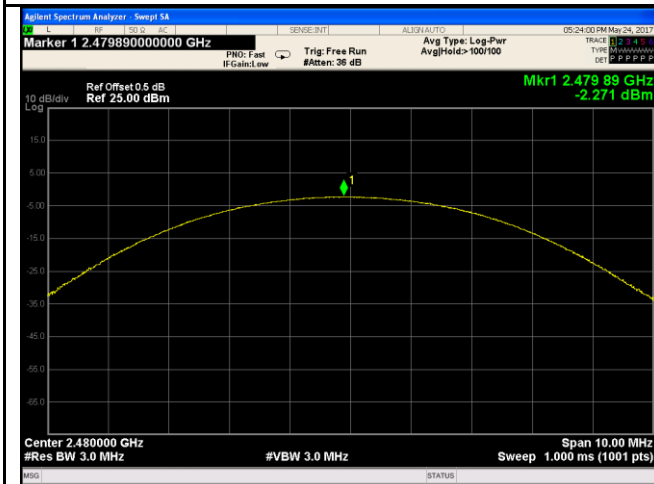
$\pi/4$  DQPSK Output power - High CH 2480



8DPSK Output power - Low CH 2402



8DPSK Output power - Mid CH 2441

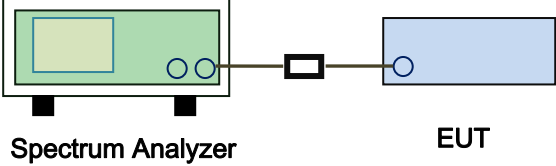


8DPSK Output power - High CH 2480

## 6.5 Number of Hopping Channel

Temperature	25°C
Relative Humidity	57%
Atmospheric Pressure	1024mbar
Test date :	May 24, 2017
Tested By :	Vera Zhang

### Requirement(s):

Spec	Item	Requirement	Applicable
§15.247(a) (1)(iii)	a)	FHSS in 2400-2483.5MHz ≥ 15 channels	<input checked="" type="checkbox"/>
Test Setup	 <p style="text-align: center;">Spectrum Analyzer                      EUT</p>		
Test Procedure	<p>The test follows FCC Public Notice DA 00-705 Measurement Guidelines.  <u>Use the following spectrum analyzer settings:</u>          The EUT must have its hopping function enabled.</p> <ul style="list-style-type: none"> <li>- Span = the frequency band of operation</li> <li>- RBW ≥ 1% of the span</li> <li>- VBW ≥ RBW</li> <li>- Sweep = auto</li> <li>- Detector function = peak</li> <li>- Trace = max hold</li> <li>- Allow trace to fully stabilize.</li> <li>- It may prove necessary to break the span up to sections, in order to clearly show all of the hopping frequencies. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).</li> </ul>		
Remark			
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		

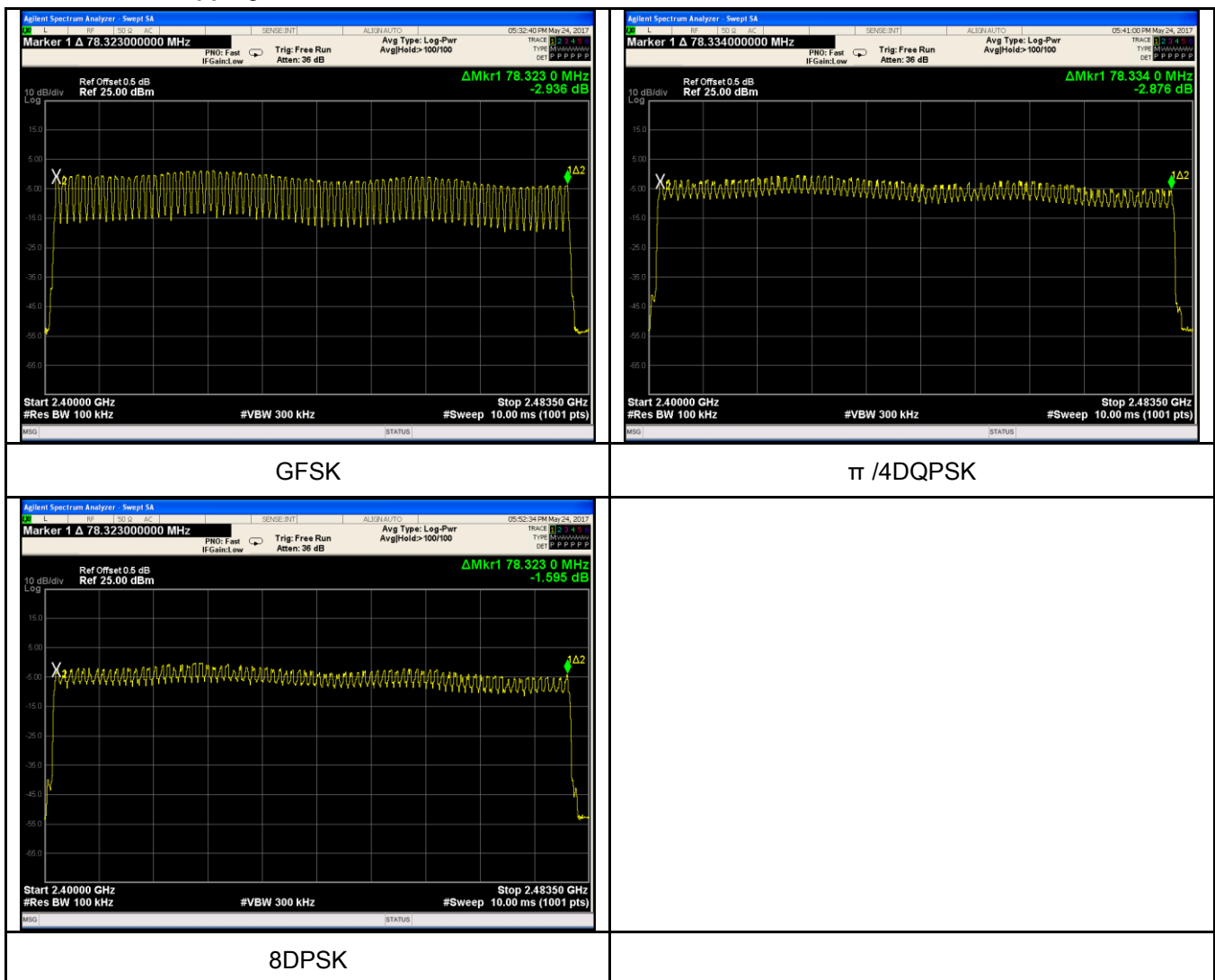
Test Data ☒ Yes                      ☐ N/A  
 Test Plot ☒ Yes (See below)                      ☐ N/A

### Number of Hopping Channel measurement result

Type	Modulation	Frequency Range	Number of Hopping Channel	Limit
Number of Hopping Channel	GFSK	2400-2483.5	79	15
	$\pi/4$ DQPSK	2400-2483.5	79	15
	8-DPSK	2400-2483.5	79	15

### Test Plots

#### Number of Hopping Channels measurement result

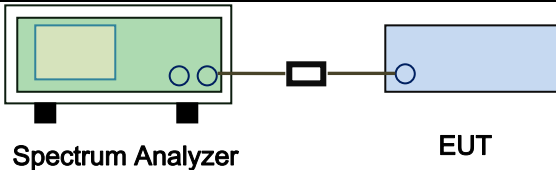




## 6.6 Time of Occupancy (Dwell Time)

Temperature	25°C
Relative Humidity	57%
Atmospheric Pressure	1024mbar
Test date :	May 24, 2017
Tested By :	Vera Zhang

### Requirement(s):

Spec	Item	Requirement	Applicable
§15.247(a) (1)(iii)	a)	Dwell Time < 0.4s	<input checked="" type="checkbox"/>
Test Setup	 <p style="text-align: center;">Spectrum Analyzer                      EUT</p>		
Test Procedure	<p>The test follows FCC Public Notice DA 00-705 Measurement Guidelines.  <u>Use the following spectrum analyzer</u></p> <ul style="list-style-type: none"> <li>- Span = zero span, centered on a hopping channel</li> <li>- RBW = 1 MHz</li> <li>- VBW ≥ RBW</li> <li>- Sweep = as necessary to capture the entire dwell time per hopping channel</li> <li>- Detector function = peak</li> <li>- Trace = max hold</li> <li>- use the marker-delta function to determine the dwell time</li> </ul>		
Remark			
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		

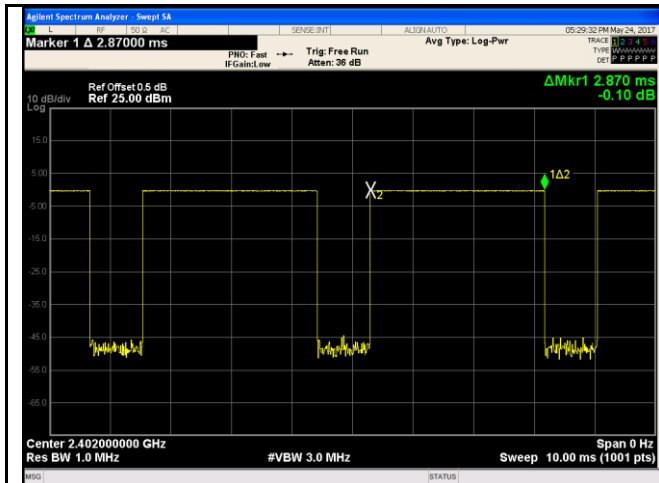
Test Data    ☒ Yes                      ☐ N/A

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

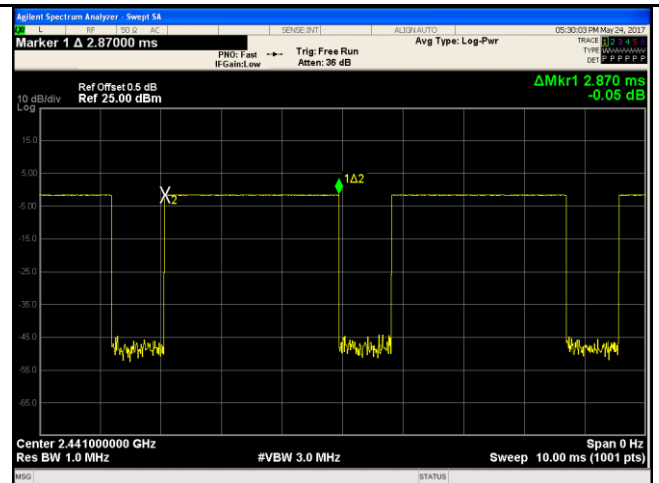
Type	Modulation	CH	Pulse Width (ms)	Dwell Time (ms)	Limit (ms)	Result
Dwell Time	GFSK	Low	2.870	306.133	400	Pass
		Mid	2.870	306.133	400	Pass
		High	2.880	307.200	400	Pass
	$\pi/4$ DQPSK	Low	2.870	306.133	400	Pass
		Mid	2.870	306.133	400	Pass
		High	2.870	306.133	400	Pass
	8-DPSK	Low	2.870	306.133	400	Pass
		Mid	2.880	307.200	400	Pass
		High	2.880	307.200	400	Pass
Note: Dwell time=Pulse Time (ms) $\times$ (1600 $\div$ 6 $\div$ 79) $\times$ 31.6						

## Test Plots

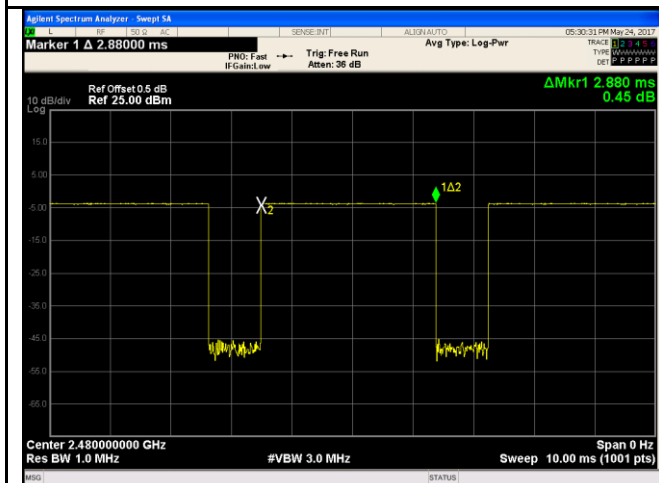
### Dwell Time measurement result



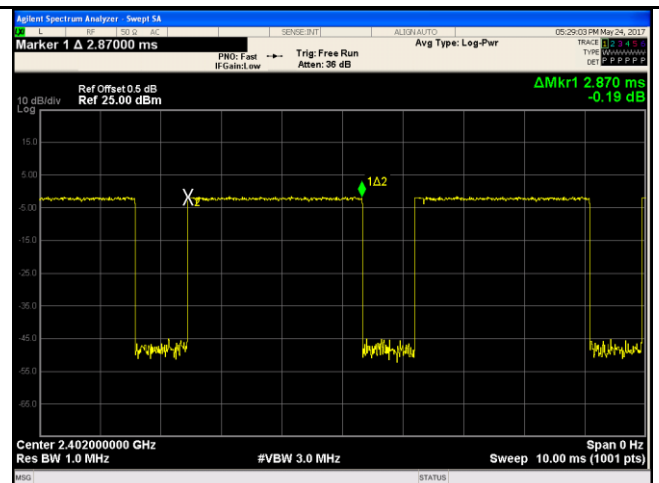
GFSK - Low CH 2402



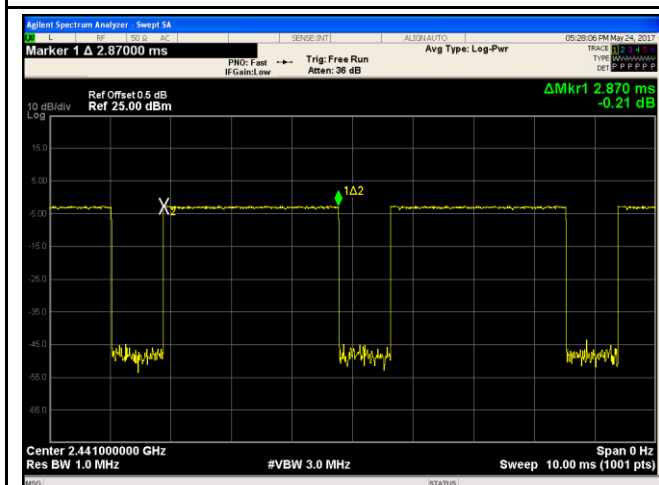
GFSK - Mid CH 2441



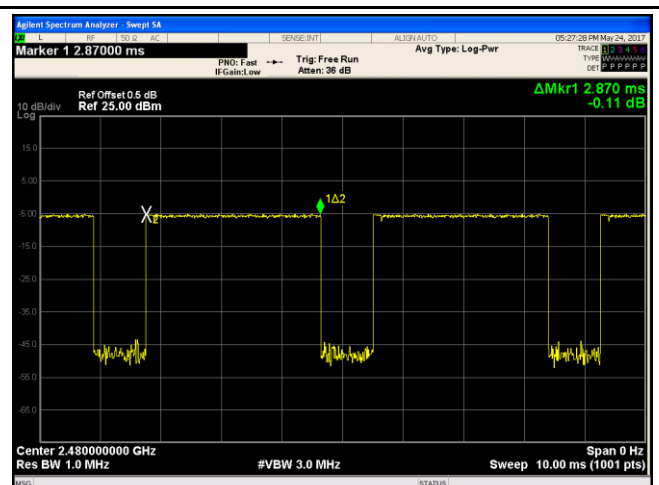
GFSK - High CH 2480



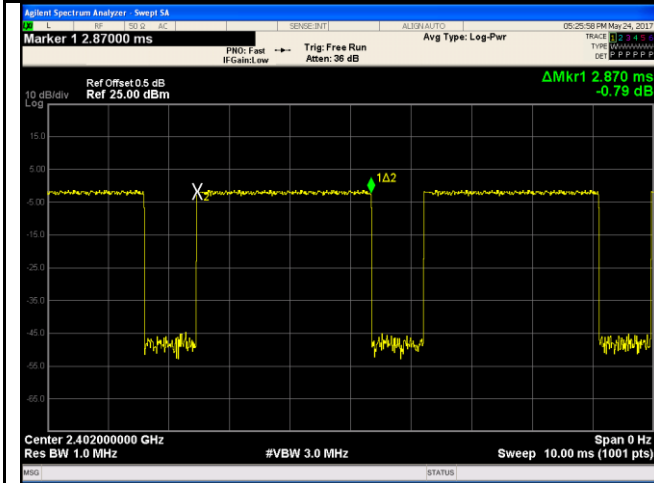
$\pi/4$  DQPSK - Low CH 2402



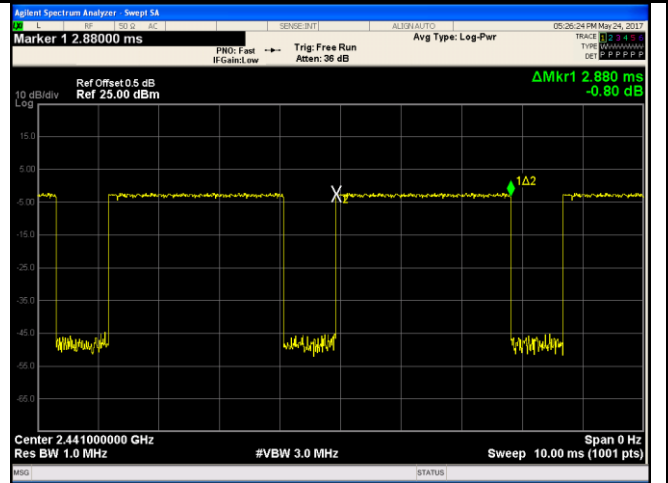
$\pi/4$  DQPSK - Mid CH 2441



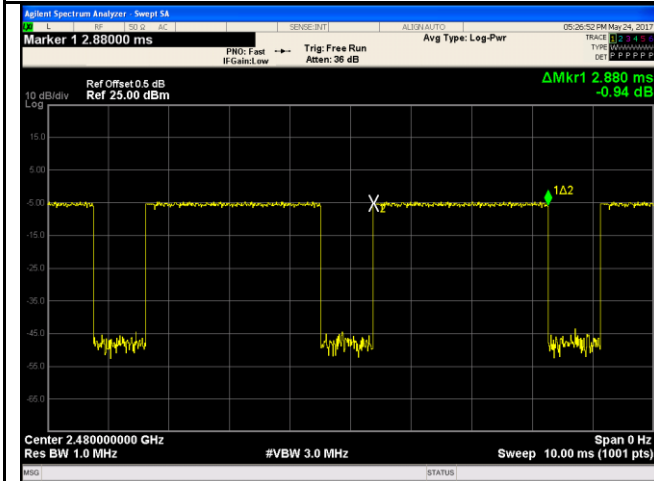
$\pi/4$  DQPSK - High CH 2480



8DPSK - Low CH 2402



8DPSK - Mid CH 2441



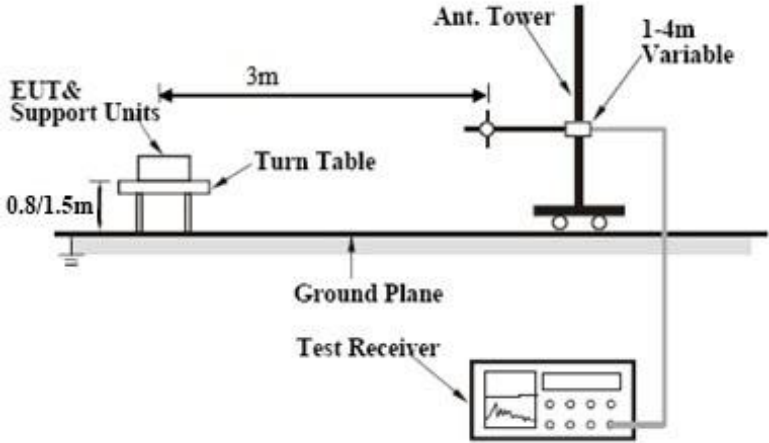
8DPSK - High CH 2480

## 6.7 Band Edge & Restricted Band

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(a) (1)(iii)	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	
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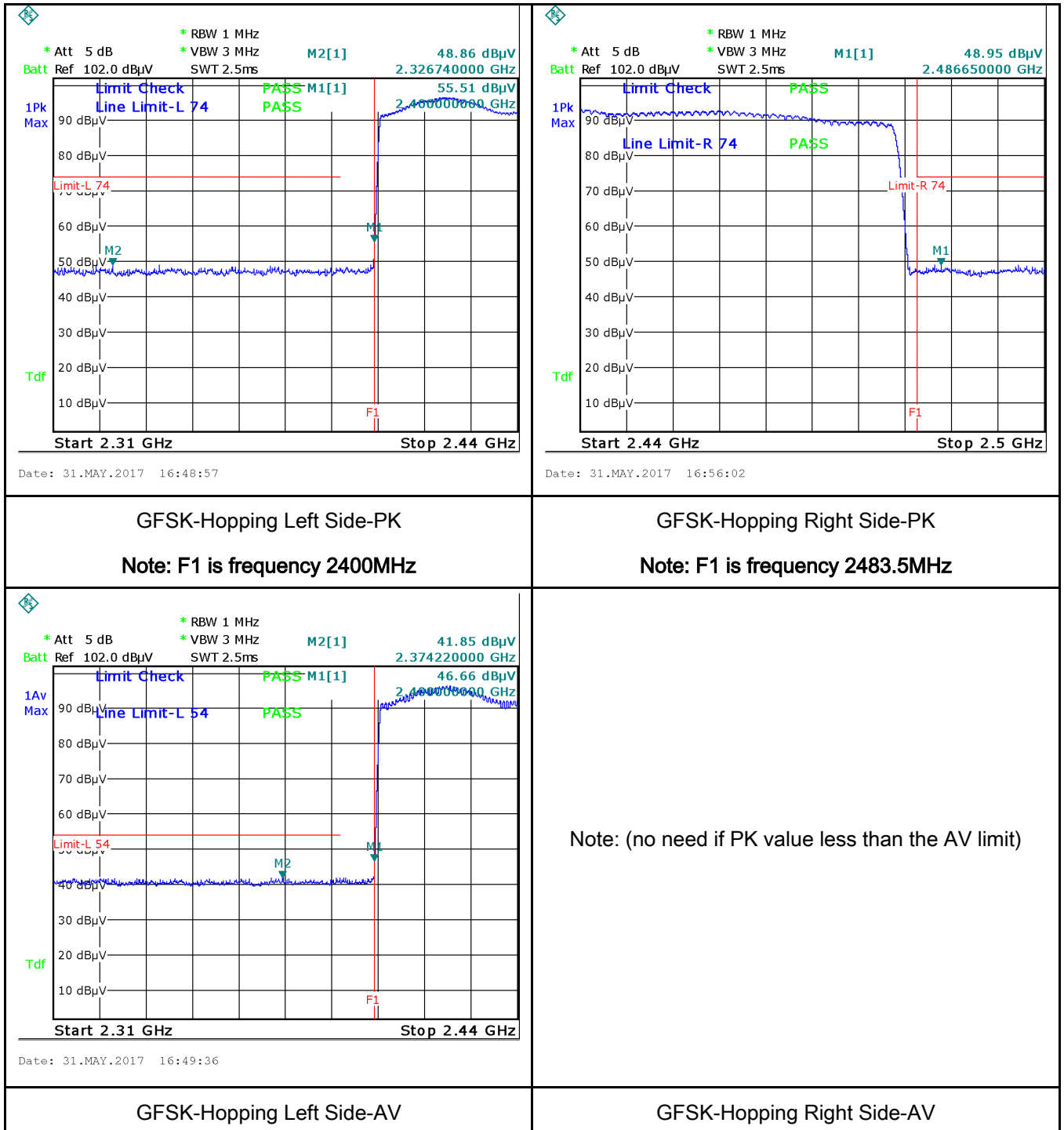
Test Procedure	<p>The test follows FCC Public Notice DA 00-705 Measurement Guidelines. Radiated Method Only</p> <ul style="list-style-type: none"> <li>1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.</li> <li>2. Position 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,</li> </ul>
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	<p>and make sure the instrument is operated in its linear range.</p> <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

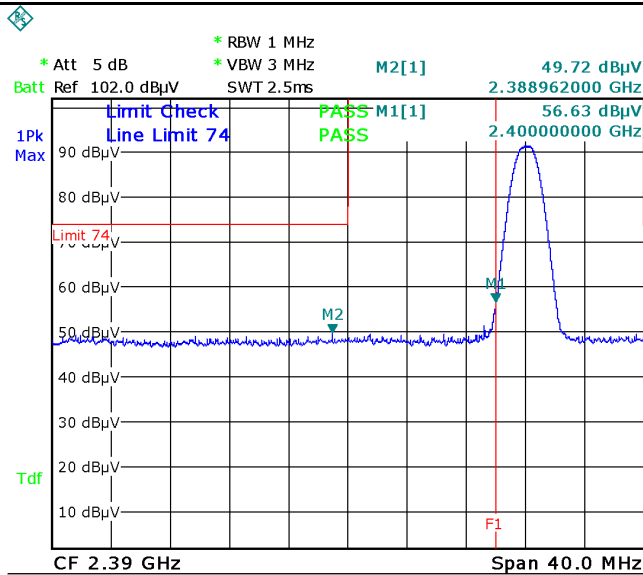
Test Data    ☐ Yes                      ☒ N/A  
Test Plot    ☒ Yes (See below)                      ☐ N/A

## Test Plots

### GFSK Mode:



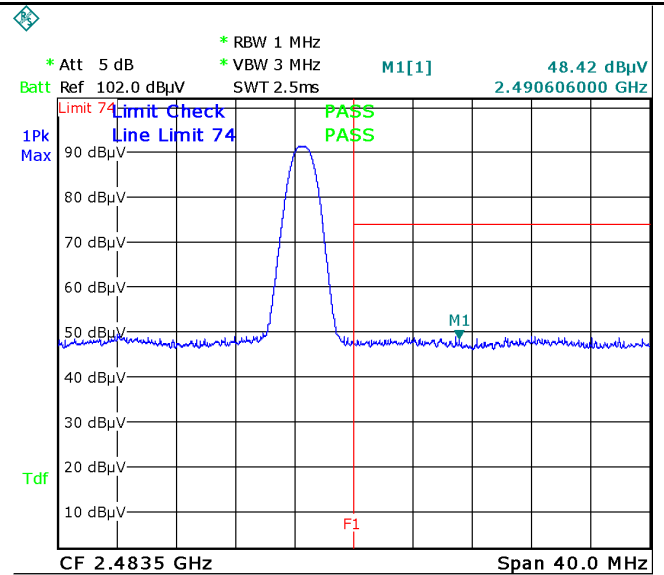
Note: Both Horizontal and vertical polarities were investigated.



Date: 31.MAY.2017 16:01:51

### GFSK-Left Side-PK

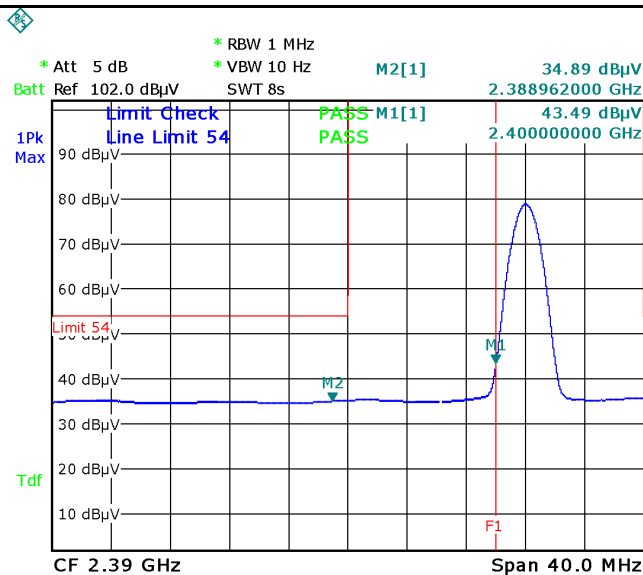
Note: F1 is frequency 2400MHz



Date: 31.MAY.2017 16:26:42

### GFSK-Right Side-PK

Note: F1 is frequency 2483.5MHz



Date: 31.MAY.2017 16:02:45

### GFSK-Left Side-AV

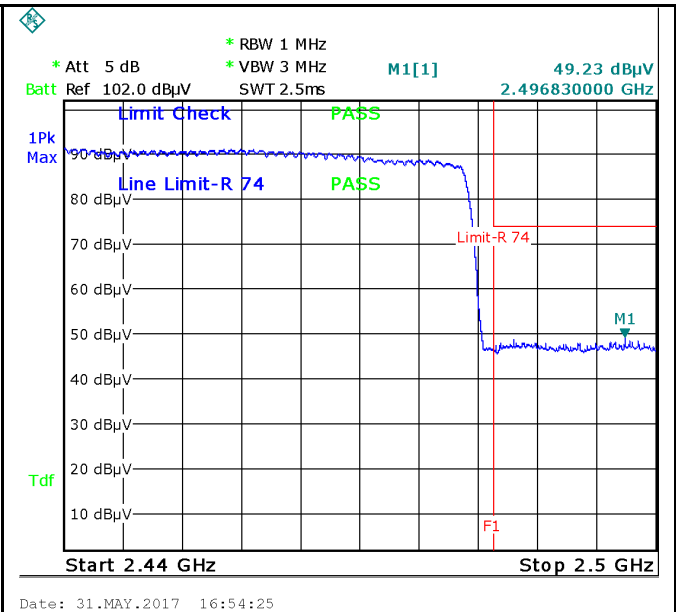
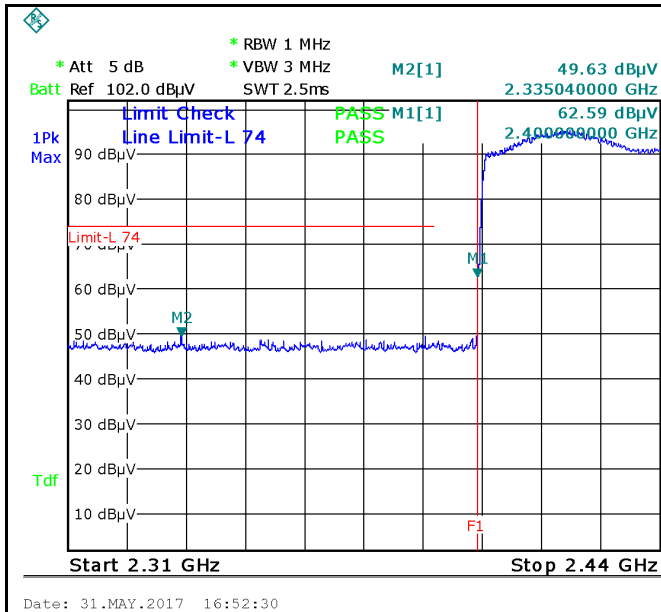
Note: (no need if PK value less than the AV limit)

### GFSK-Right Side-AV

Note: Both Horizontal and vertical polarities were investigated.

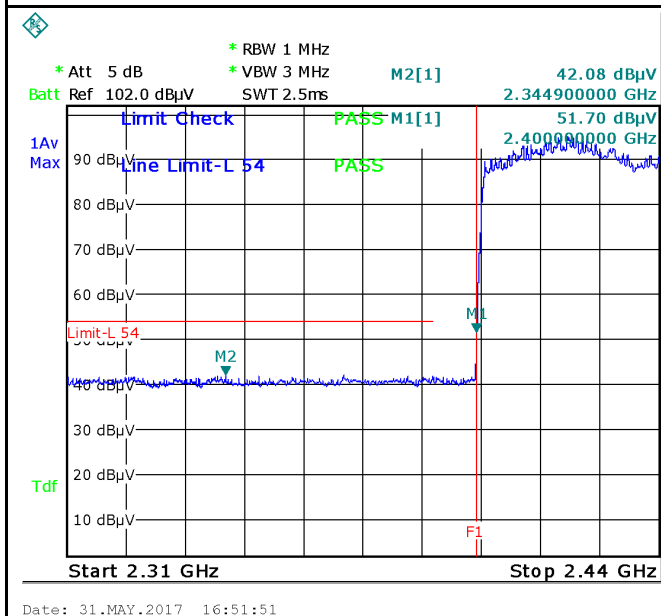


### $\pi/4$ DQPSK Mode:



### $\pi/4$ DQPSK-Hopping Left Side-PK

Note: F1 is frequency 2400MHz



### $\pi/4$ DQPSK-Hopping Right Side-PK

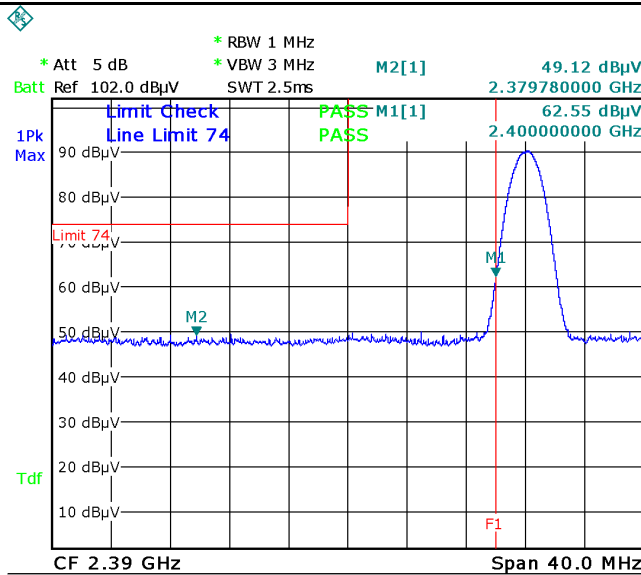
Note: F1 is frequency 2483.5MHz

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

### $\pi/4$ DQPSK-Hopping Left-AV

### $\pi/4$ DQPSK-Hopping Right-AV

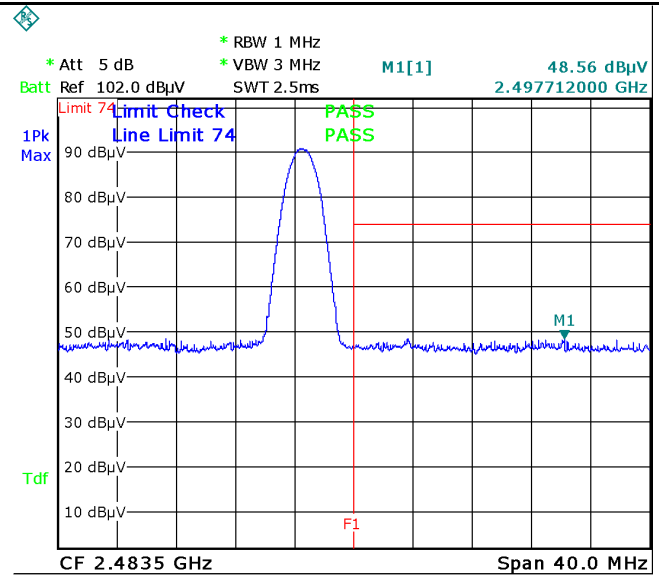
Note: Both Horizontal and vertical polarities were investigated.



Date: 31.MAY.2017 16:06:42

$\pi/4$  DQPSK-Left Side-PK

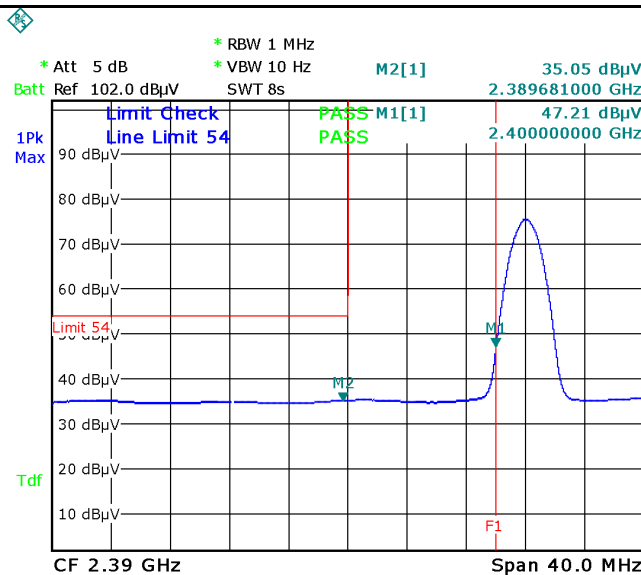
Note: F1 is frequency 2400MHz



Date: 31.MAY.2017 16:23:41

$\pi/4$  DQPSK-Right Side-PK

Note: F1 is frequency 2483.5MHz



Date: 31.MAY.2017 16:07:37

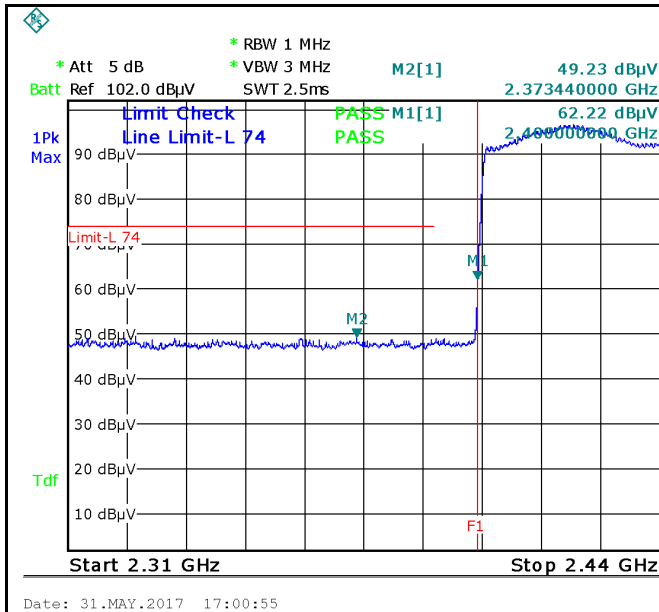
$\pi/4$  DQPSK-Left Side-AV

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

$\pi/4$  DQPSK-Right Side-AV

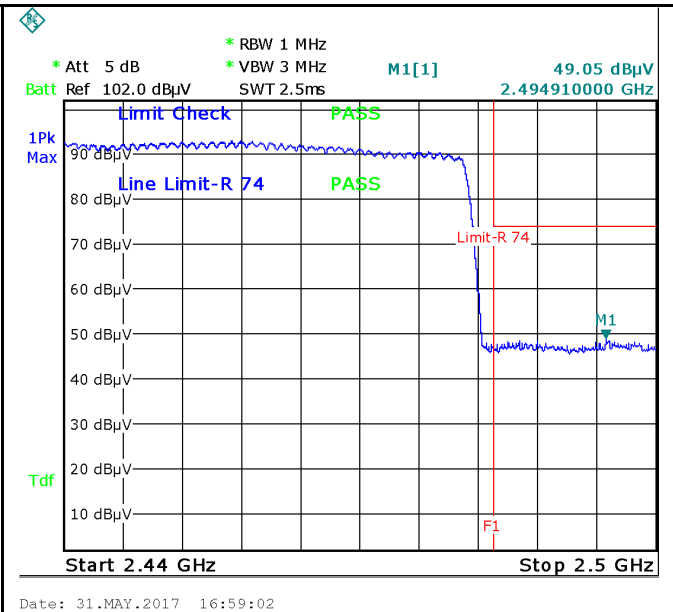
Note: Both Horizontal and vertical polarities were investigated.

## 8-DPSK Mode:



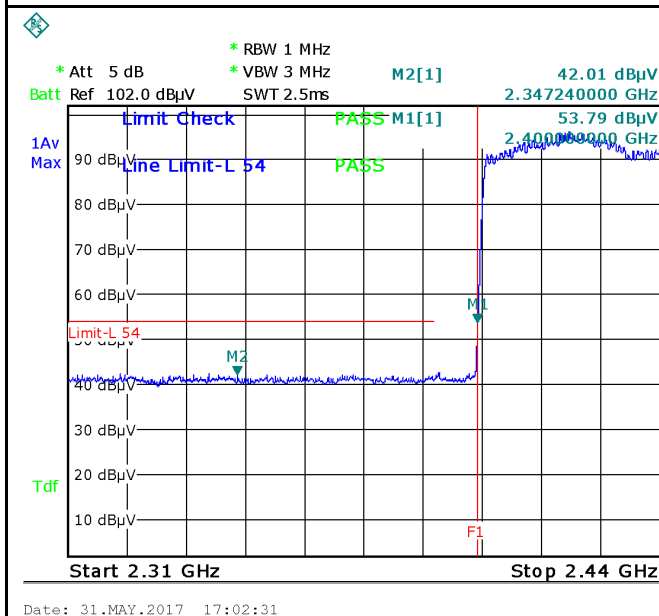
### 8DPSK-Hopping Left Side-PK

Note: F1 is frequency 2400MHz



### 8DPSK-Hopping Right Side-PK

Note: F1 is frequency 2483.5MHz

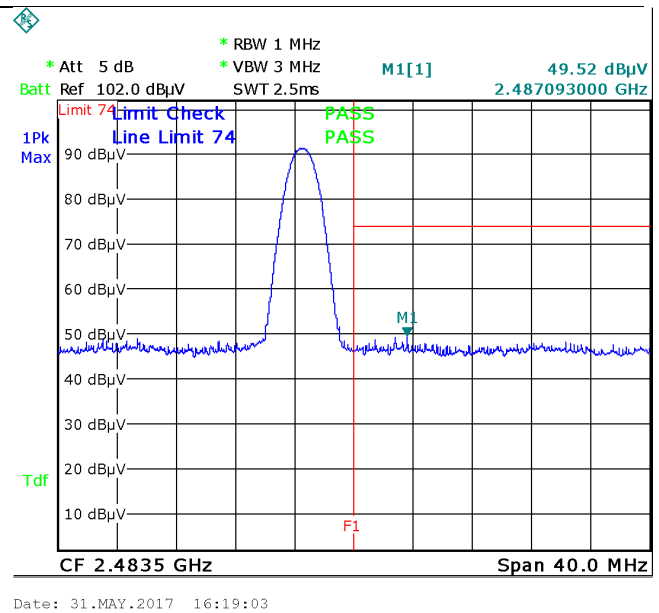
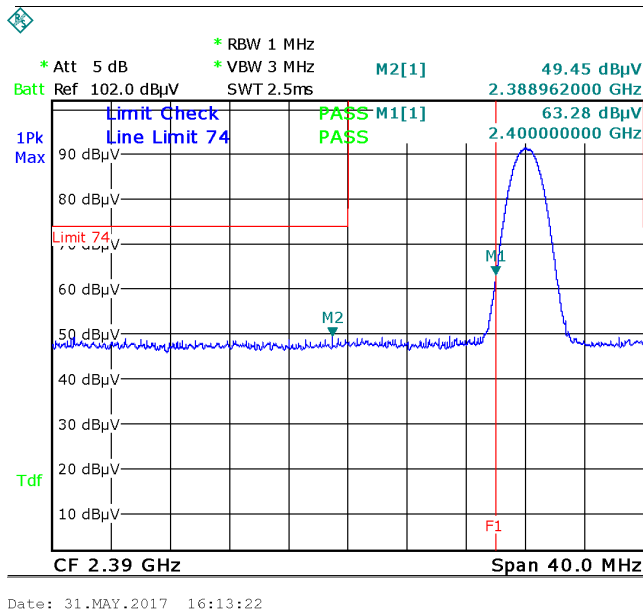


### 8DPSK-Hopping Left-AV

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

### 8DPSK-Hopping Right-AV

Note: Both Horizontal and vertical polarities were investigated.

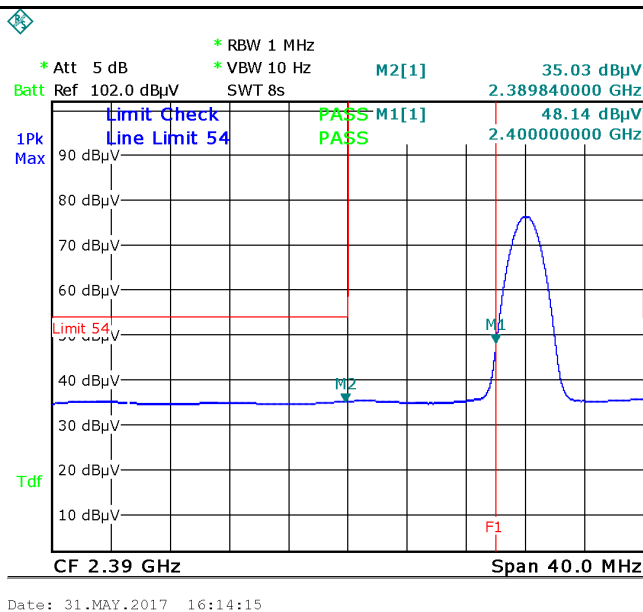


#### 8DPSK-Left Side-PK

Note: F1 is frequency 2400MHz

#### 8DPSK-Right Side-PK

Note: F1 is frequency 2483.5MHz



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

#### 8DPSK-Left Side-AV

#### 8DPSK-Right Side-AV

Note: Both Horizontal and vertical polarities were investigated.

## 6.8 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)	For Low-power radio-frequency devices that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 [mu]H/50 ohms line impedance stabilization network (LISN). The lower limit applies at the boundary between the frequencies ranges.	<div><input checked="" type="checkbox"/></div>		
		Frequency ranges (MHz)		Limit (dBµV)	
				QP	Average
		0.15 ~ 0.5		66 – 56	56 – 46
		0.5 ~ 5		56	46
5 ~ 30	60	50			

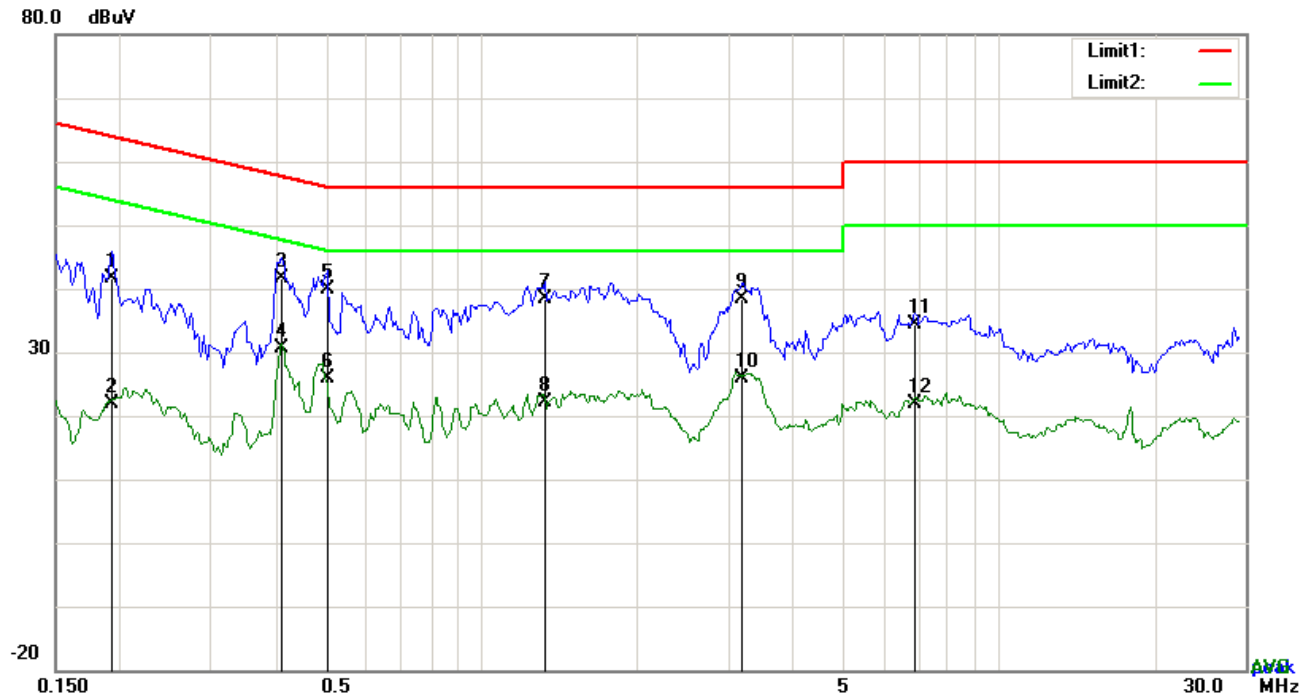
Test Setup	<p>Note: 1. Support units were connected to second LISN. 2. Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.</p>
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Procedure	<ol style="list-style-type: none"> <li>The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table.</li> <li>The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains.</li> <li>The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss</li> </ol>
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	coaxial cable. 4. All other supporting equipment were powered separately from another main supply. 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:** Bluetooth Mode

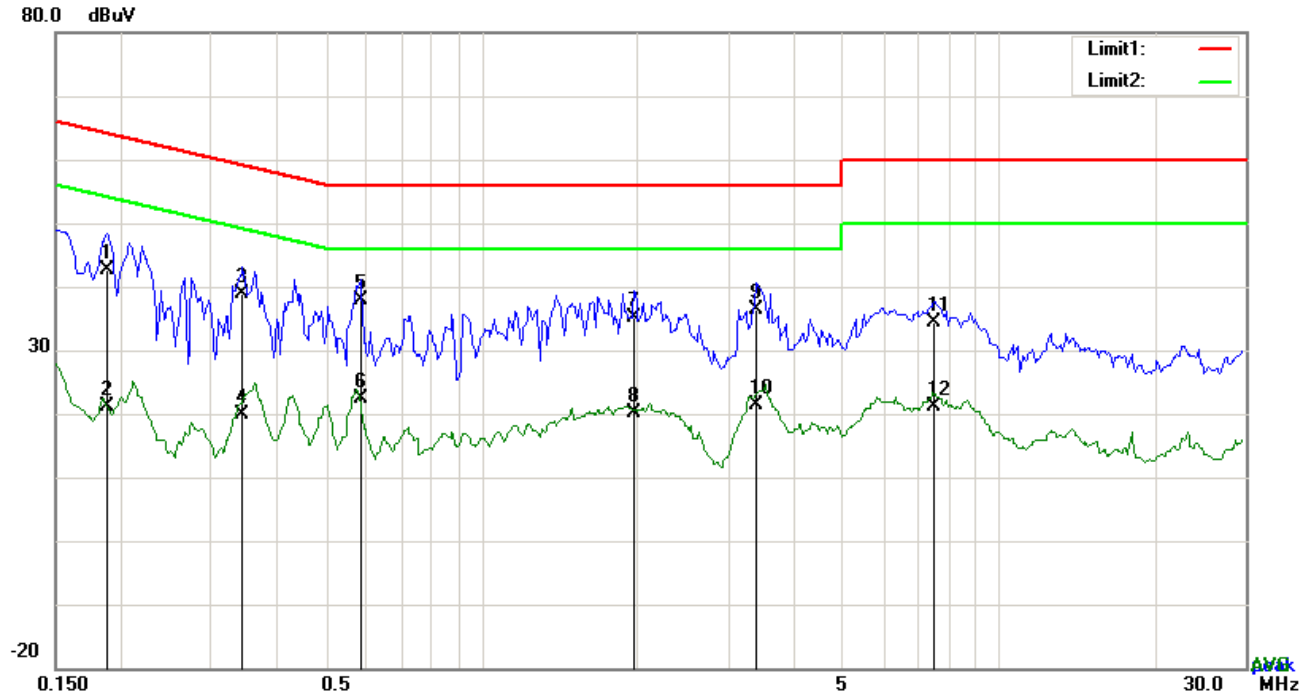


### Test Data

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

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	L1	0.1929	31.57	QP	10.03	41.60	63.91	-22.31
2	L1	0.1929	11.81	AVG	10.03	21.84	53.91	-32.07
3	L1	0.4113	31.52	QP	10.03	41.55	57.62	-16.07
4	L1	0.4113	20.51	AVG	10.03	30.54	47.62	-17.08
5	L1	0.5049	29.81	QP	10.03	39.84	56.00	-16.16
6	L1	0.5049	15.94	AVG	10.03	25.97	46.00	-20.03
7	L1	1.3239	28.33	QP	10.03	38.36	56.00	-17.64
8	L1	1.3239	12.00	AVG	10.03	22.03	46.00	-23.97
9	L1	3.2067	28.37	QP	10.06	38.43	56.00	-17.57
10	L1	3.2067	15.82	AVG	10.06	25.88	46.00	-20.12
11	L1	6.8844	24.34	QP	10.11	34.45	60.00	-25.55
12	L1	6.8844	11.70	AVG	10.11	21.81	50.00	-28.19

**Test Mode:** Bluetooth Mode



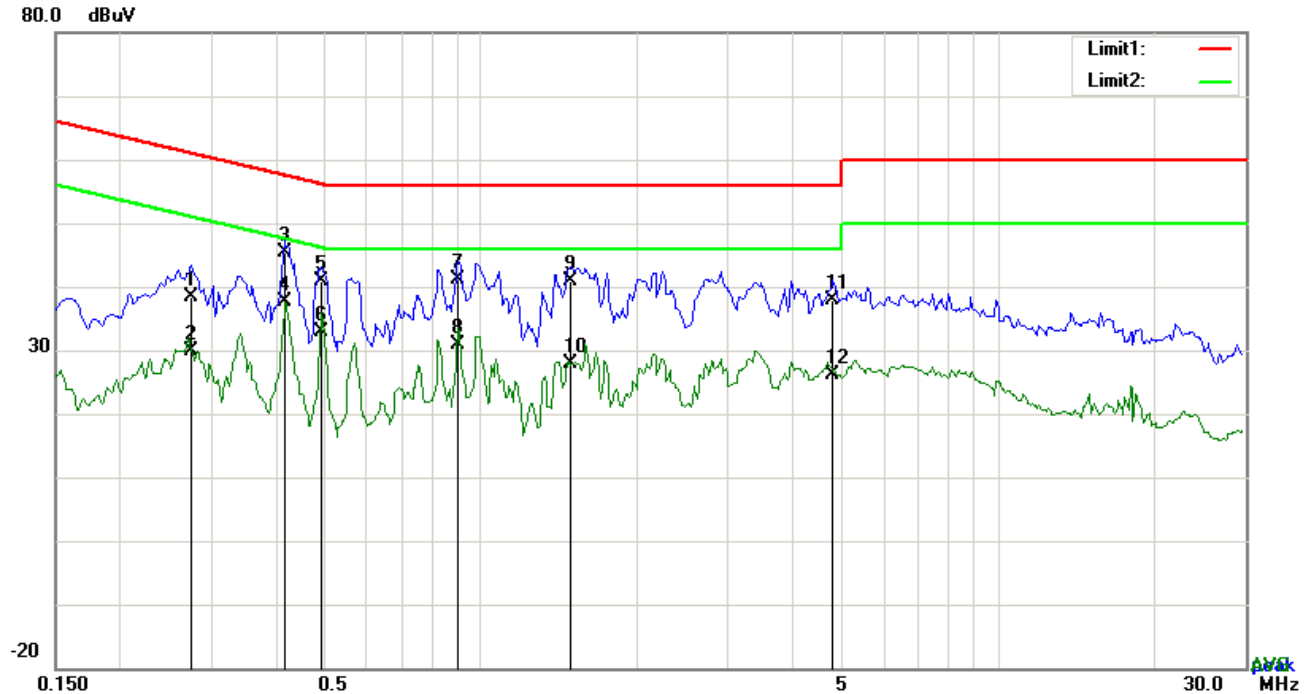
**Test Data**

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

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	N	0.1890	32.71	QP	10.02	42.73	64.08	-21.35
2	N	0.1890	11.11	AVG	10.02	21.13	54.08	-32.95
3	N	0.3450	28.74	QP	10.02	38.76	59.08	-20.32
4	N	0.3450	9.98	AVG	10.02	20.00	49.08	-29.08
5	N	0.5829	27.84	QP	10.02	37.86	56.00	-18.14
6	N	0.5829	12.46	AVG	10.02	22.48	46.00	-23.52
7	N	1.9791	25.09	QP	10.04	35.13	56.00	-20.87
8	N	1.9791	9.98	AVG	10.04	20.02	46.00	-25.98
9	N	3.3978	26.25	QP	10.05	36.30	56.00	-19.70
10	N	3.3978	11.36	AVG	10.05	21.41	46.00	-24.59
11	N	7.5045	24.20	QP	10.11	34.31	60.00	-25.69
12	N	7.5045	11.04	AVG	10.11	21.15	50.00	-28.85



**Test Mode:** Bluetooth Mode

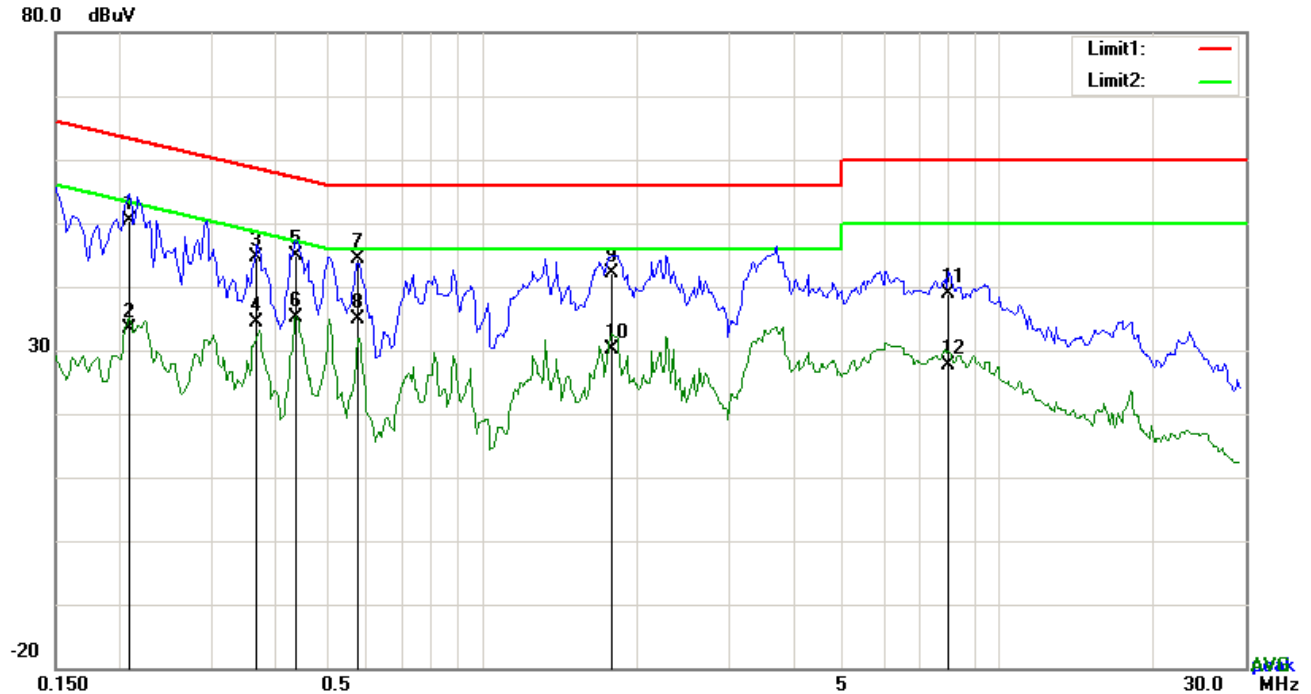


### Test Data

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

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	L1	0.2748	28.26	QP	10.03	38.29	60.97	-22.68
2	L1	0.2748	19.87	AVG	10.03	29.90	50.97	-21.07
3	L1	0.4152	35.46	QP	10.03	45.49	57.54	-12.05
4	L1	0.4152	27.65	AVG	10.03	37.68	47.54	-9.86
5	L1	0.4893	30.87	QP	10.03	40.90	56.18	-15.28
6	L1	0.4893	22.89	AVG	10.03	32.92	46.18	-13.26
7	L1	0.9027	31.15	QP	10.03	41.18	56.00	-14.82
8	L1	0.9027	20.94	AVG	10.03	30.97	46.00	-15.03
9	L1	1.4838	30.95	QP	10.04	40.99	56.00	-15.01
10	L1	1.4838	17.73	AVG	10.04	27.77	46.00	-18.23
11	L1	4.7745	27.76	QP	10.08	37.84	56.00	-18.16
12	L1	4.7745	16.15	AVG	10.08	26.23	46.00	-19.77

**Test Mode:** Bluetooth Mode



### Test Data


#### Phase Neutral Plot at 240Vac, 60Hz

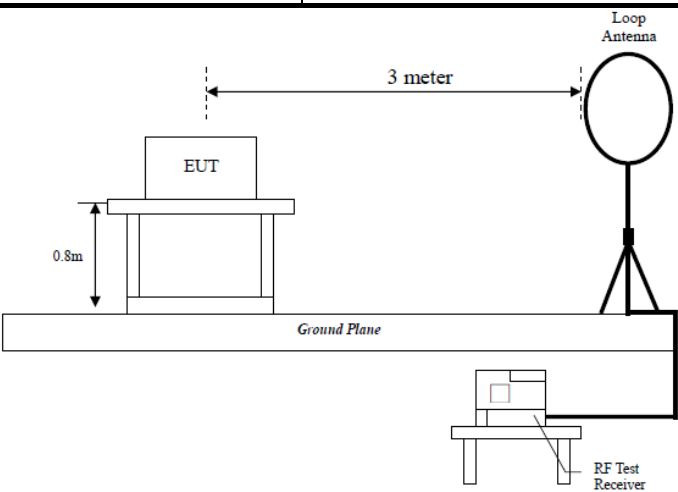
No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	N	0.2085	40.31	QP	10.02	50.33	63.26	-12.93
2	N	0.2085	23.44	AVG	10.02	33.46	53.26	-19.80
3	N	0.3684	34.68	QP	10.02	44.70	58.54	-13.84
4	N	0.3684	24.33	AVG	10.02	34.35	48.54	-14.19
5	N	0.4386	34.97	QP	10.02	44.99	57.09	-12.10
6	N	0.4386	25.11	AVG	10.02	35.13	47.09	-11.96
7	N	0.5790	34.38	QP	10.02	44.40	56.00	-11.60
8	N	0.5790	24.94	AVG	10.02	34.96	46.00	-11.04
9	N	1.7880	32.01	QP	10.04	42.05	56.00	-13.95
10	N	1.7880	20.20	AVG	10.04	30.24	46.00	-15.76
11	N	7.9920	28.75	QP	10.11	38.86	60.00	-21.14
12	N	7.9920	17.55	AVG	10.11	27.66	50.00	-22.34

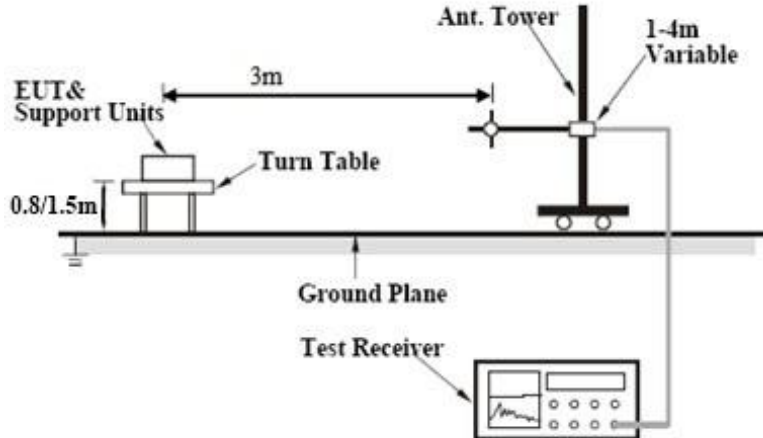
## 6.9 Radiated Emissions & Restricted Band

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§15.205, §15.209, §15.247(d)	a)	Except higher limit as specified elsewhere in other section, the emissions from the low-power radio-frequency devices shall not exceed the field strength levels specified in the following table and the level of any unwanted emissions shall not exceed the level of the fundamental emission. The tighter limit applies at the band edges		
		Frequency range (MHz)		Field Strength (µV/m)
		0.009~0.490		2400/F(KHz)
		0.490~1.705		24000/F(KHz)
		1.705~30.0		30
		30 – 88		100
		88 – 216		150
		216 960		200
		Above 960		500

Test Setup	 <p>The diagram illustrates the test setup for radiated emissions. It shows an Equipment Under Test (EUT) placed on a stand at a height of 0.8m above a Ground Plane. A Loop Antenna is positioned 3 meters away from the EUT. An RF Test Receiver is connected to the Loop Antenna.</p>
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Procedure	<ol style="list-style-type: none"> <li>The EUT was switched on and allowed to warm up to its normal operating condition.</li> <li>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>Vertical or horizontal polarization (whichever gave the higher emission level over a full rotation of the EUT) was chosen.</li> <li>The EUT was then rotated to the direction that gave the maximum emission.</li> <li>Finally, the antenna height was adjusted to the height that gave the maximum emission.</li> </ol> </li> <li>The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz.</li> <li>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>Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.</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 Result:

Test Mode:	Bluetooth Mode
------------	----------------

Frequency range: 9KHz - 30MHz

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

### Note:

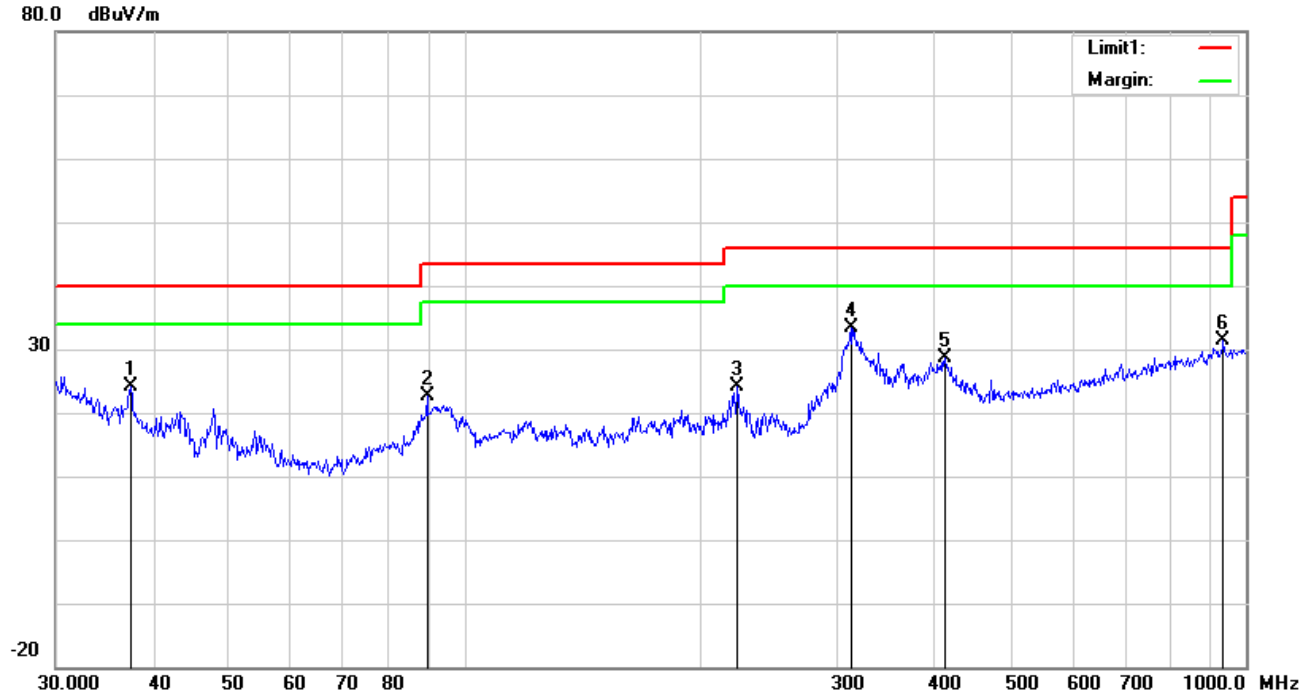
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

**Test Mode:** Bluetooth Mode

**30MHz -1GHz**



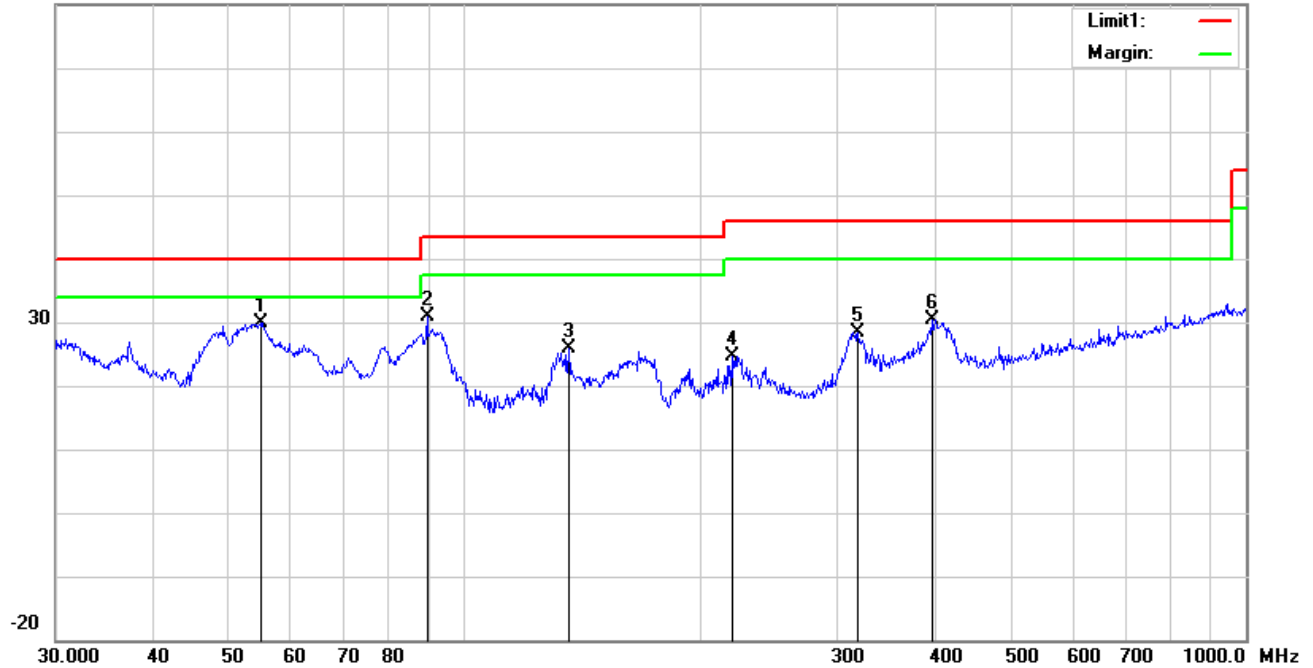
### Test Data

#### Horizontal Polarity Plot @3m

No.	P/L	Frequency	Reading	Detect or	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degr ee
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( ° )
1	H	37.4165	29.78	peak	15.79	22.26	0.77	24.08	40.00	-15.92	100	263
2	H	89.5900	35.95	peak	7.98	22.32	0.96	22.57	43.50	-20.93	100	324
3	H	223.7334	33.10	peak	11.77	22.34	1.62	24.15	46.00	-21.85	100	24
4	H	312.1794	39.90	peak	13.86	22.26	1.85	33.35	46.00	-12.65	100	231
5	H	411.8240	32.58	peak	15.94	21.99	2.04	28.57	46.00	-17.43	200	108
6	H	935.5463	26.42	peak	22.68	20.81	3.14	31.43	46.00	-14.57	100	50

### 30MHz -1GHz

80.0 dBuV/m



### Test Data

#### Vertical Polarity Plot @3m

No.	P/L	Frequency	Reading	Detect or	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)
1	V	54.8348	43.62	peak	7.87	22.39	0.78	29.88	40.00	-10.12	100	34
2	V	89.5900	44.29	peak	7.98	22.32	0.96	30.91	43.50	-12.59	100	123
3	V	135.9822	34.06	peak	12.86	22.40	1.24	25.76	43.50	-17.74	100	329
4	V	219.8449	33.62	peak	11.82	22.34	1.60	24.70	46.00	-21.30	100	290
5	V	318.8170	34.80	peak	14.00	22.24	1.88	28.44	46.00	-17.56	100	190
6	V	396.2415	34.73	peak	15.62	22.02	2.01	30.34	46.00	-15.66	100	181

## Above 1GHz

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

### Low Channel: GFSK Mode (Worst Case) (2402 MHz)

Frequency (MHz)	S.A. Reading (dBμV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
4804	39.92	AV	V	33.67	6.86	32.66	47.79	54	-6.21
4804	39.33	AV	H	33.67	6.86	32.66	47.2	54	-6.8
4804	47.93	PK	V	33.67	6.86	32.66	55.8	74	-18.2
4804	45.81	PK	H	33.67	6.86	32.66	53.68	74	-20.32
17803	24.15	AV	V	45.03	11.21	32.38	48.01	54	-5.99
17803	25.2	AV	H	45.03	11.21	32.38	49.06	54	-4.94
17803	40.87	PK	V	45.03	11.21	32.38	64.73	74	-9.27
17803	41.59	PK	H	45.03	11.21	32.38	65.45	74	-8.55

### Middle Channel: GFSK Mode (Worst Case) (2441 MHz)

Frequency (MHz)	S.A. Reading (dBμV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
4882	38.85	AV	V	33.71	6.95	32.74	46.77	54	-7.23
4882	38.5	AV	H	33.71	6.95	32.74	46.42	54	-7.58
4882	49.58	PK	V	33.71	6.95	32.74	57.5	74	-16.5
4882	46.9	PK	H	33.71	6.95	32.74	54.82	74	-19.18
17815	24.56	AV	V	45.15	11.18	32.41	48.48	54	-5.52
17815	23.35	AV	H	45.15	11.18	32.41	47.27	54	-6.73
17815	41.2	PK	V	45.15	11.18	32.41	65.12	74	-8.88
17815	41.36	PK	H	45.15	11.18	32.41	65.28	74	-8.72



**High Channel: GFSK Mode (Worst Case) (2480 MHz)**

Frequency (MHz)	S.A. Reading (dBμV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre-Amp. Gain (dB)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
4960	38.23	AV	V	33.9	6.76	32.74	46.15	54	-7.85
4960	38.49	AV	H	33.9	6.76	32.74	46.41	54	-7.59
4960	48.01	PK	V	33.9	6.76	32.74	55.93	74	-18.07
4960	47.04	PK	H	33.9	6.76	32.74	54.96	74	-19.04
17819	24.33	AV	V	45.22	11.35	32.38	48.52	54	-5.48
17819	24.05	AV	H	45.22	11.35	32.38	48.24	54	-5.76
17819	41.81	PK	V	45.22	11.35	32.38	66	74	-8
17819	40.63	PK	H	45.22	11.35	32.38	64.82	74	-9.18

**Note:**

1, The testing has been conformed to  $10 \times 2480 \text{ MHz} = 24,800 \text{ MHz}$

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



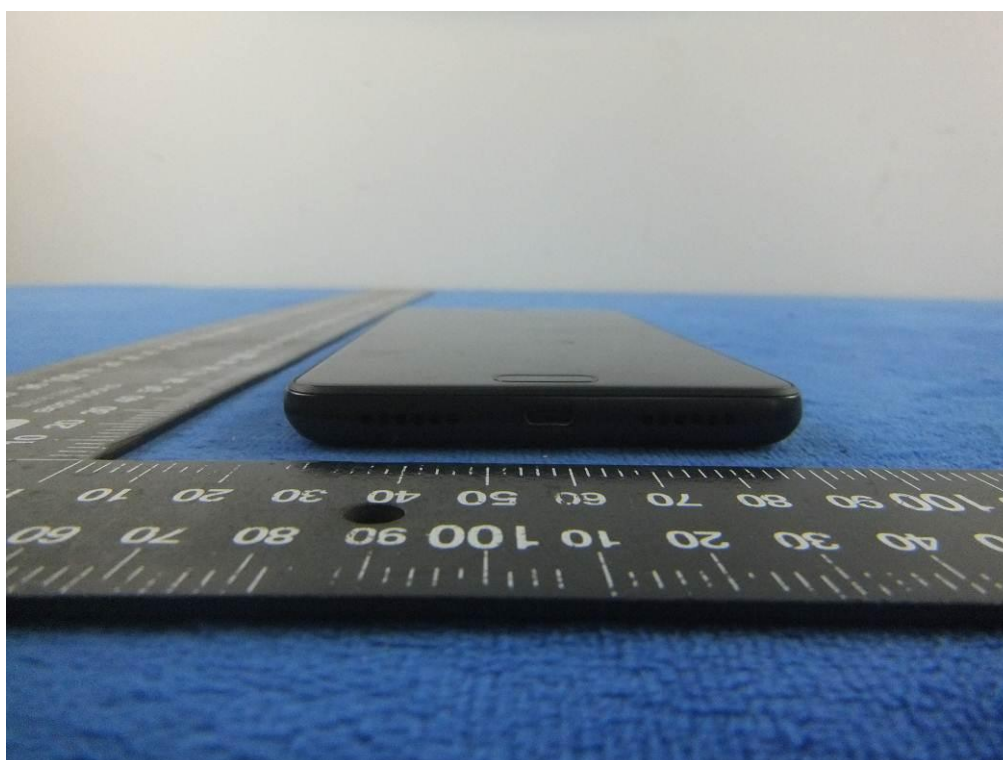
EUT - Rear View



EUT - Top View



EUT - Bottom View

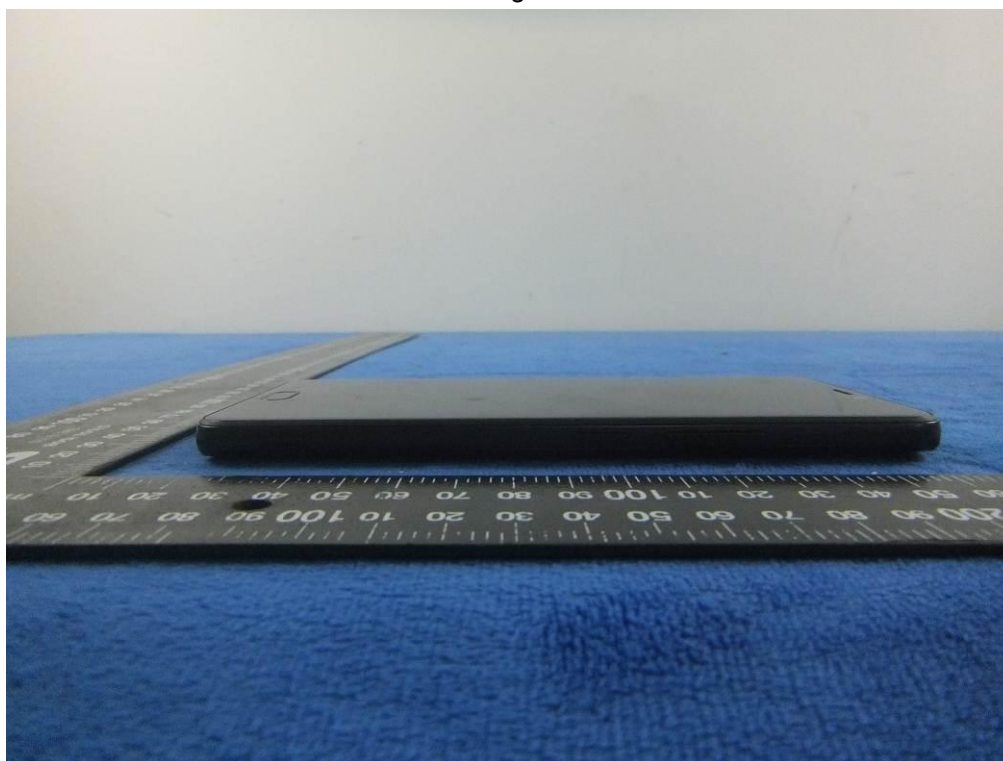




EUT - Left View



EUT - Right View



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

Cover Off - Top View 1



Cover Off - Top View 2





DS181360  
BOSI TOOLS

10 20 30 40 50 60 70 80 90 100 110

10 20 30 40 50 60 70 80 90 100 110

mm

Infinix

Rechargeable Li-Polymer Battery  
Model: BL-42AX  
11CP4/67/96  
Rating: 3.85V 4200mAh/4300mAh (min/typ)  
16.17Wh/16.55Wh (min/typ)  
Limited charge voltage 4.4V  
Dongguan AmpereX Technology Limited  
Made in China

CE

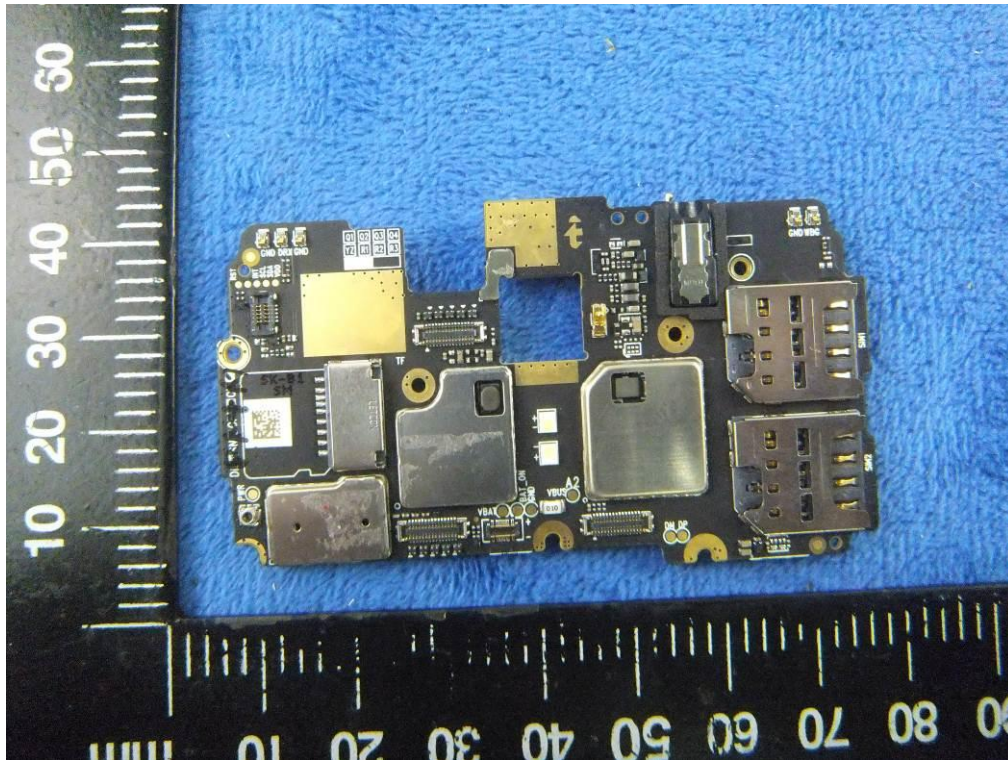
⚠

Use specified **Infinix** charger only!  
May explode if closed or disposed of in fire!  
Keep the battery out of reach of children!  
Do not short-circuit!  
Do not squeeze or shock!  
Do not disassemble!

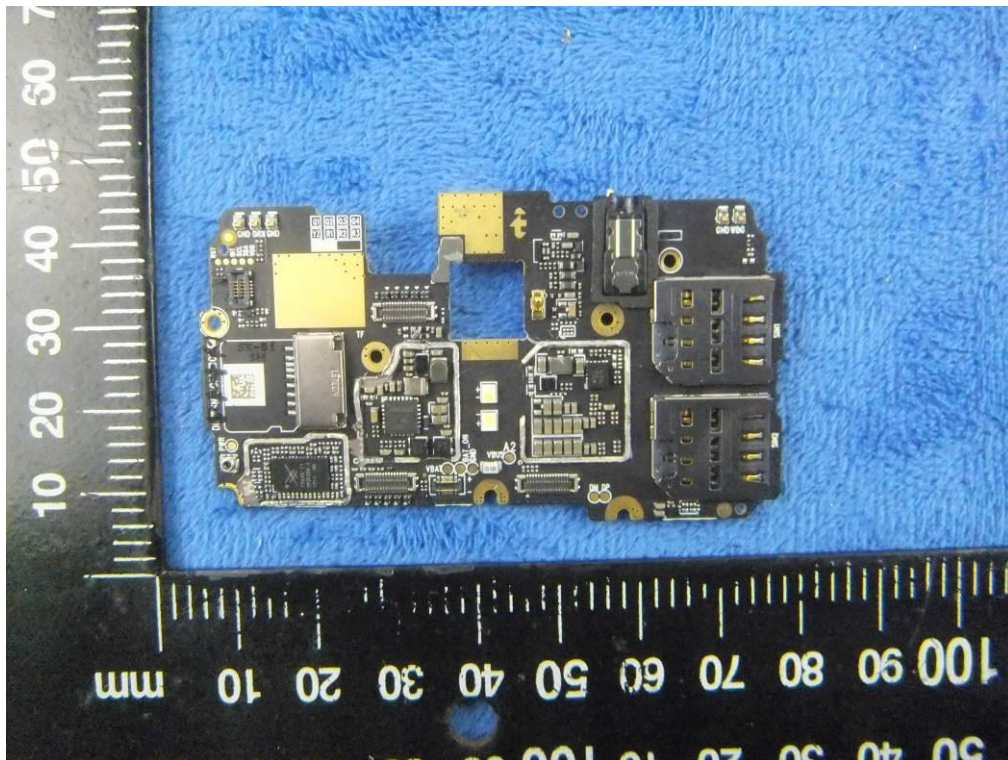
2017.04/18  
MAX5721000582



Mainboard with Shielding - Front View

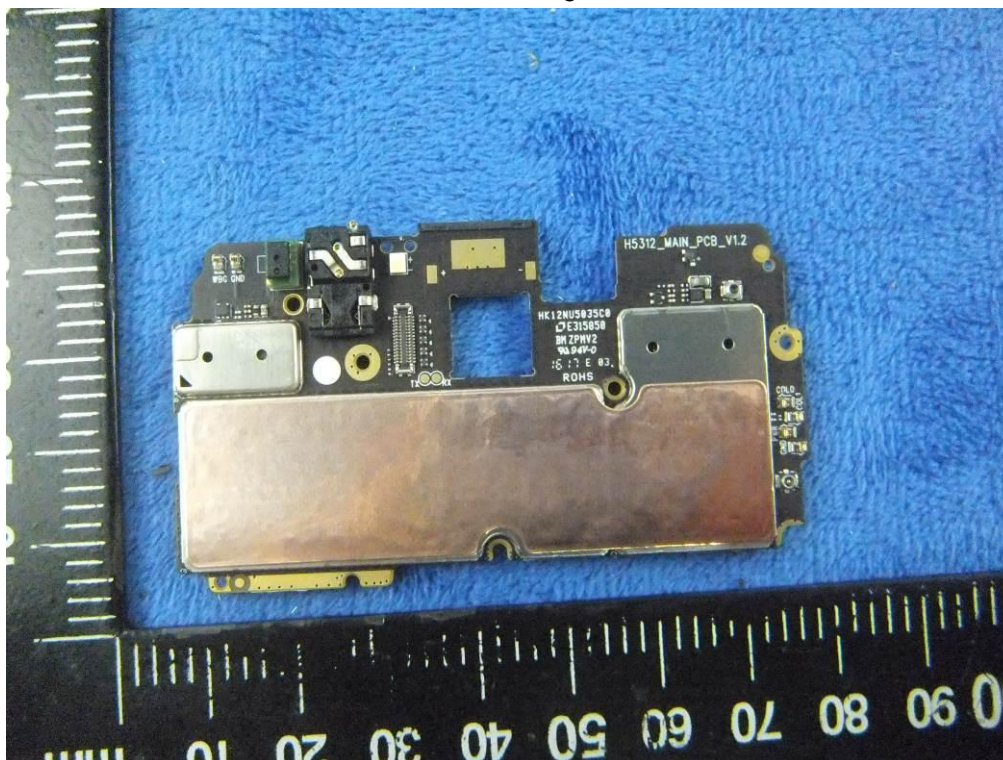


Mainboard without Shielding - Front View

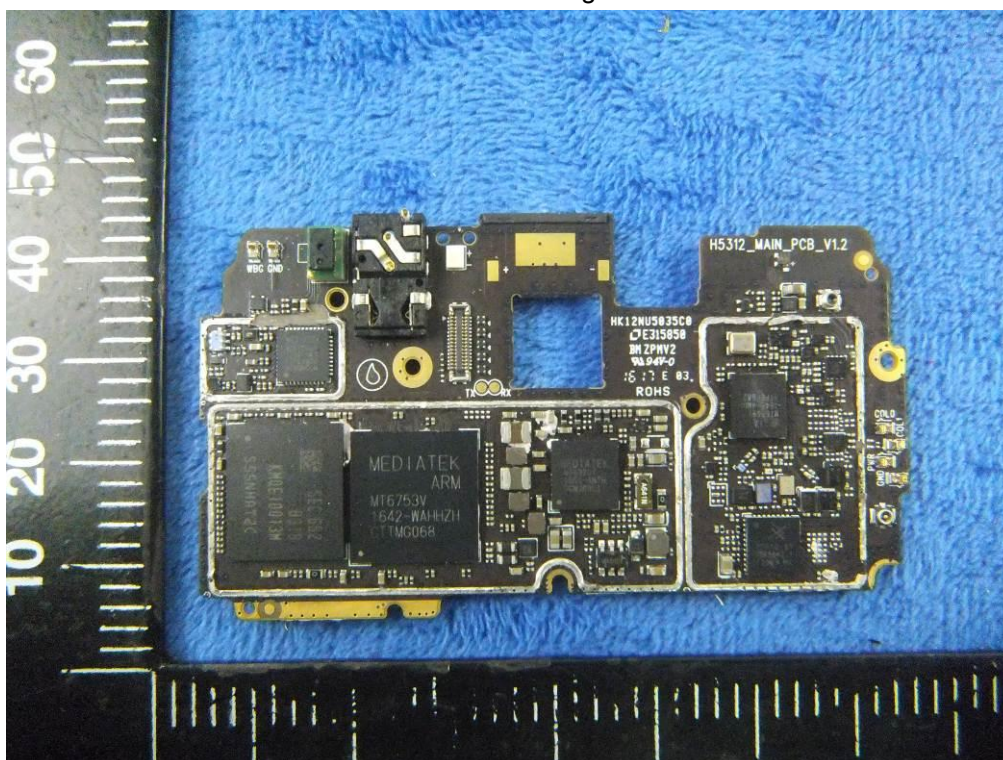




Mainboard with Shielding – Rear View



Mainboard without Shielding – Rear View





LCD – Front View



LCD – Rear View





GSM/PCS/UMTS-FDD Antenna View



WIFI/BT/BLE - Antenna View



LTE - Antenna View

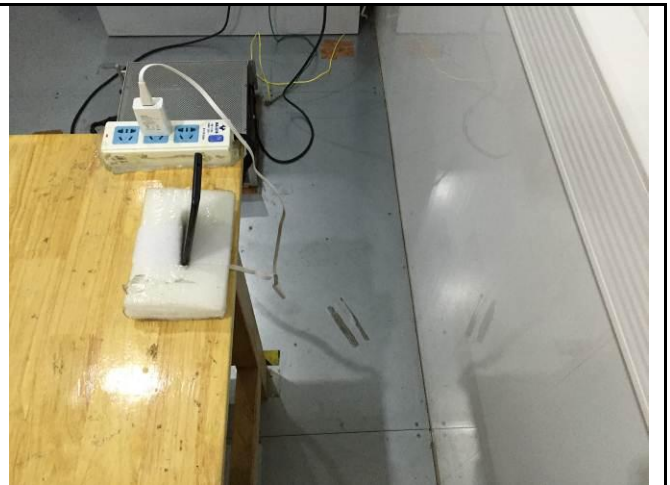




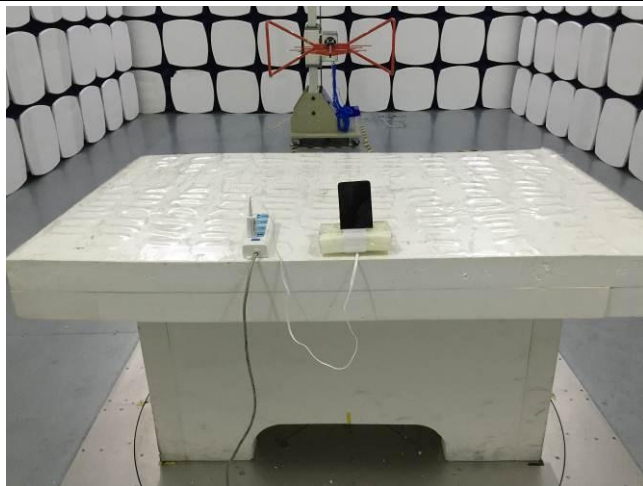
### Annex B.iii. Photograph: Test Setup Photo



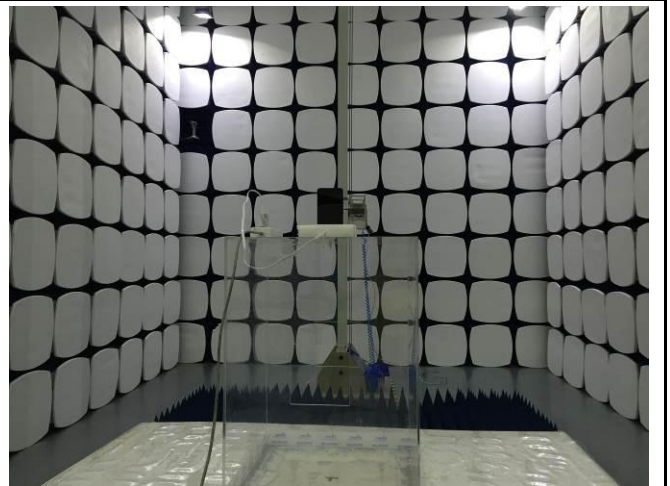
Conducted Emissions Test Setup Front View



Conducted Emissions Test Setup Side View



Radiated Spurious Emissions Test Setup Below 1GHz

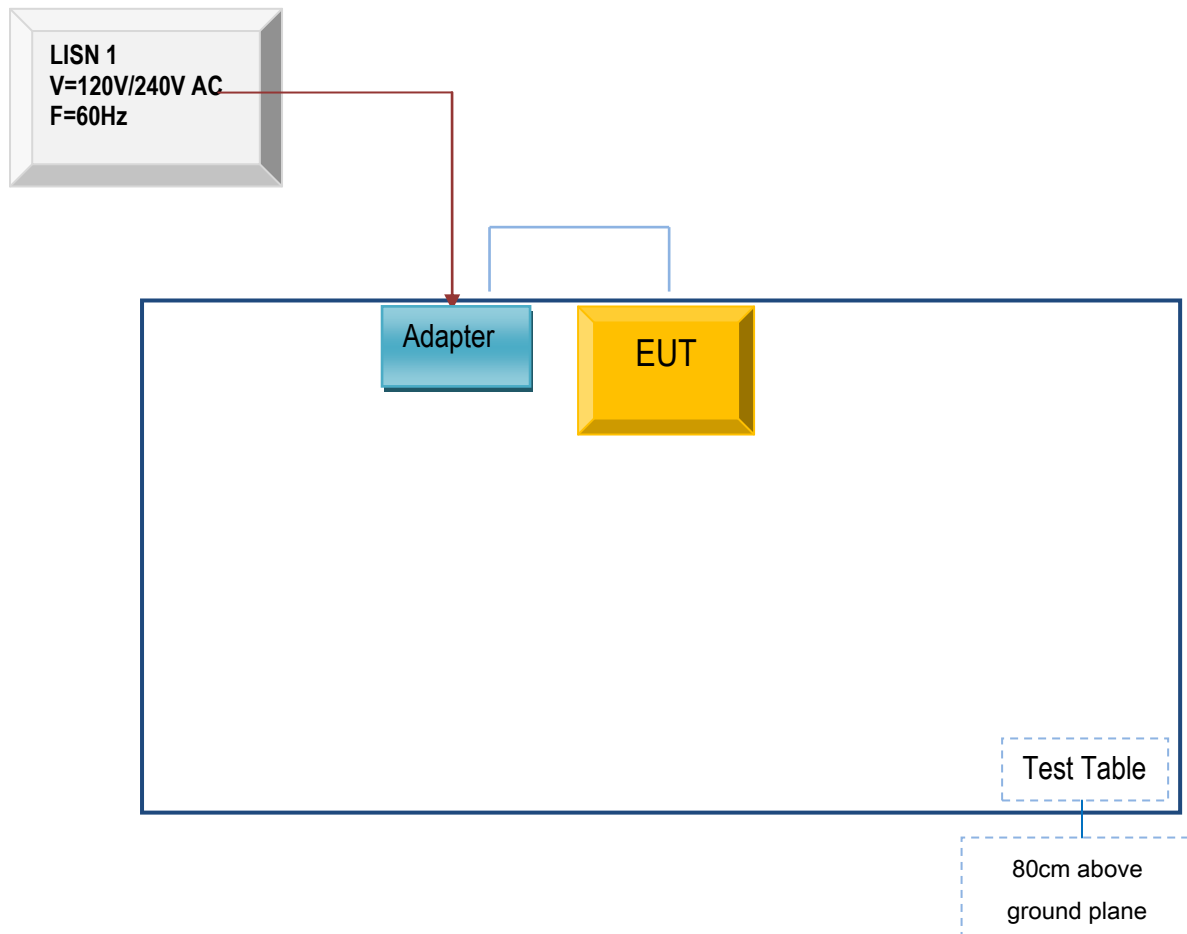


Radiated Spurious Emissions Test Setup Above  
1GHz

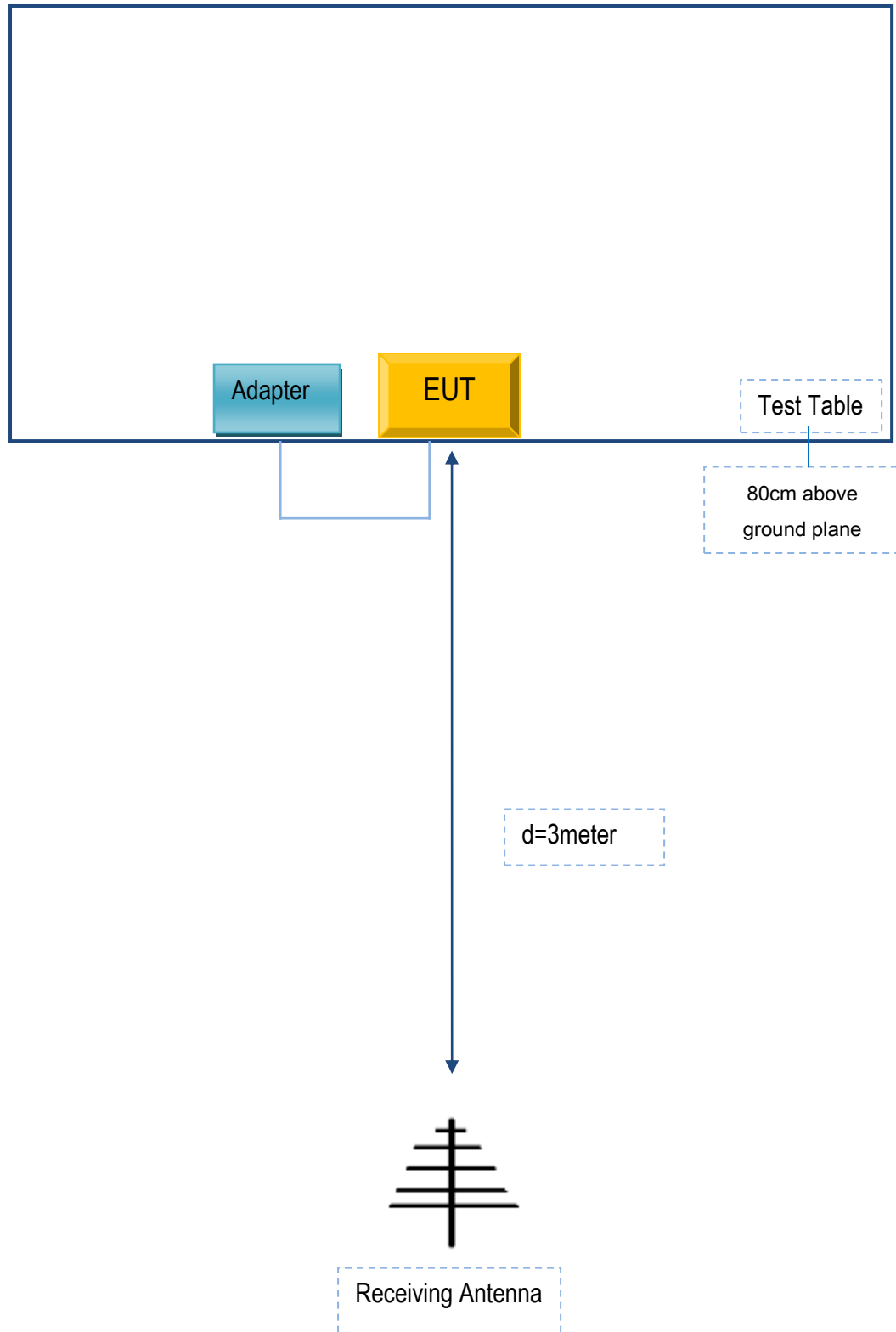
## Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

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

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

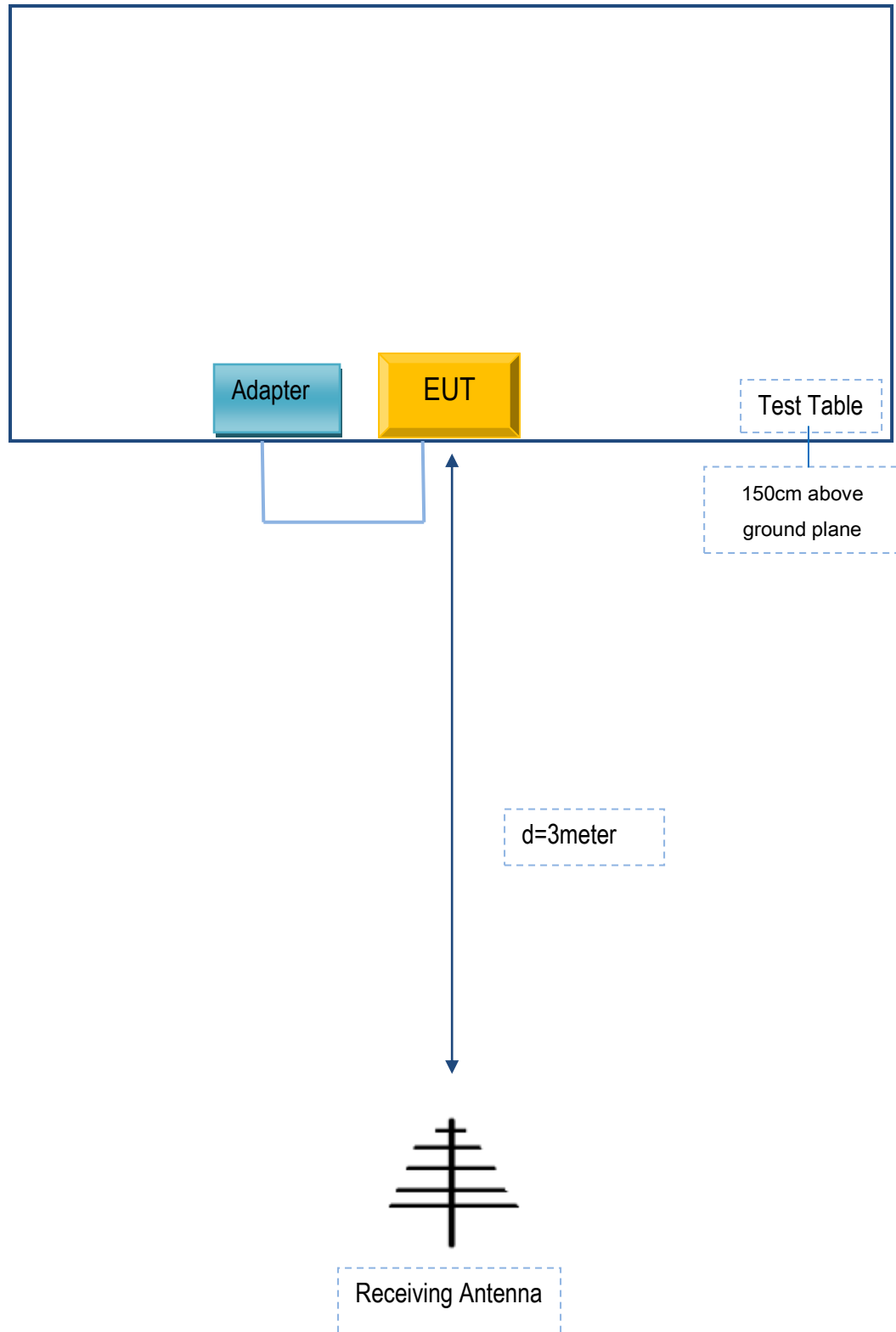


**Block Configuration Diagram for Radiated Emissions ( Below 1GHz ) .**





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



## **Annex C. ii. SUPPORTING EQUIPMENT DESCRIPTION**

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

### **Supporting Equipment:**

Manufacturer	Equipment Description	Model	Serial No
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

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

Please see the attachment

## Annex E. DECLARATION OF SIMILARITY

N/A