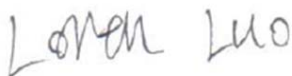
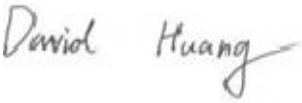



# RF TEST REPORT



Report No.: 16071296-FCC-R2

Supersede Report No.: N/A

Applicant	Posh Mobile Limited	
Product Name	Revel Max LTE	
Model No.	L551	
Serial No.	L551A,L551B,L551C	
Test Standard	FCC Part 15.247: 2015, ANSI C63.10: 2013	
Test Date	November 18 to December 04, 2016	
Issue Date	December 05, 2016	
Test Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	
Equipment complied with the specification	<input checked="" type="checkbox"/>	
Equipment did not comply with the specification	<input type="checkbox"/>	
		
Loren Luo Test Engineer	David Huang Checked By	
This test report may be reproduced in full only Test result presented in this test report is applicable to the tested sample only		

Issued by:

**SIEMIC (SHENZHEN-CHINA) LABORATORIES**

Zone A, Floor 1, Building 2 Wan Ye Long Technology Park

South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China 518108

Phone: +86 0755 2601 4629801 Email: [China@siemic.com.cn](mailto:China@siemic.com.cn)

## Laboratories Introduction

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



In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

### Accreditations for Conformity Assessment

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

Test Report	16071296-FCC-R2
Page	3 of 61

This page has been left blank intentionally.

## CONTENTS

1. REPORT REVISION HISTORY .....	5
2. CUSTOMER INFORMATION .....	5
3. TEST SITE INFORMATION .....	5
4. EQUIPMENT UNDER TEST (EUT) INFORMATION .....	6
5. TEST SUMMARY .....	9
6. MEASUREMENTS, EXAMINATION AND DERIVED RESULTS .....	10
6.1 ANTENNA REQUIREMENT .....	10
6.2 CHANNEL SEPARATION .....	11
6.3 20DB BANDWIDTH .....	15
6.4 PEAK OUTPUT POWER .....	19
6.5 NUMBER OF HOPPING CHANNEL .....	23
6.6 TIME OF OCCUPANCY (DWEIL TIME) .....	25
6.7 BAND EDGE & RESTRICTED BAND .....	29
6.8 AC POWER LINE CONDUCTED EMISSIONS .....	37
6.9 RADIATED SPURIOUS EMISSIONS & RESTRICTED BAND .....	43
ANNEX A. TEST INSTRUMENT .....	49
ANNEX B. EUT AND TEST SETUP PHOTOGRAPHS .....	50
ANNEX C. TEST SETUP AND SUPPORTING EQUIPMENT .....	56
ANNEX D. USER MANUAL / BLOCK DIAGRAM / SCHEMATICS / PARTLIST .....	60
ANNEX E. DECLARATION OF SIMILARITY .....	61

## 1. Report Revision History

Report No.	Report Version	Description	Issue Date
16071296-FCC-R2	NONE	Original	December 05, 2016

## 2. Customer information

Applicant Name	Posh Mobile Limited
Applicant Add	1011A, 10/F., Harbour Centre Tower 1, No.1 Hok Cheung Street, Hung Hom, Kowloon, Hong Kong
Manufacturer	Shenzhen Posh Mobile Limited
Manufacturer Add	Room 6H, Block C, NEO Building, Chegongmiao, Futian District, Shenzhen, P.R. 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	Radiated Emission Program-To Shenzhen v2.0

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

Description of EUT:	Revel Max LTE
Main Model:	L551
Serial Model:	L551A,L551B,L551C
Date EUT received:	November 17, 2016
Test Date(s):	November 18 to December 04, 2016
Equipment Category :	DSS
Antenna Gain:	GSM850: -1.27dBi PCS1900: 0.84dBi UMTS-FDD Band V: -1.27dBi UMTS-FDD Band IV: 0.84dBi UMTS-FDD Band II: 0.84dBi LTE Band II: 0.54dBi LTE Band IV: 0.84dBi LTE Band VII: 0.9dBi LTE Band XII: -2.02dBi LTE Band XVII: -2.06dBi WIFI: 0.87dBi Bluetooth/BLE: 0.87dBi GPS: 0.89dBi
Antenna Type:	PIFA antenna
Type of Modulation:	GSM / GPRS: GMSK EGPRS: GMSK,8PSK UMTS-FDD: QPSK LTE Band: QPSK, 16QAM 802.11b/g/n: DSSS, OFDM Bluetooth: GFSK, $\pi$ /4DQPSK, 8DPSK BLE: GFSK GPS:BPSK

	<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 ~ 1909.3MHz; 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>LTE Band XII TX:699.7 ~ 715.3 MHz; RX : 729.7~ 745.3MHz</p> <p>LTE Band XVII TX: 706.5 ~ 713.5 MHz; RX : 736.5 ~ 743.5 MHz</p> <p>WIFI: 802.11b/g/n(20M): 2412-2462 MHz</p> <p>WIFI: 802.11n(40M): 2422-2452 MHz</p> <p>Bluetooth&amp; BLE: 2402-2480 MHz</p> <p>GPS: 1575.42 MHz</p>
RF Operating Frequency (ies):	
Max. Output Power:	5.108dBm
Number of Channels:	<p>GSM 850: 124CH</p> <p>PCS1900: 299CH</p> <p>UMTS-FDD Band V: 102CH</p> <p>UMTS-FDD Band IV: 202CH</p> <p>UMTS-FDD Band II: 277CH</p> <p>WIFI :802.11b/g/n(20M): 11CH</p> <p>WIFI :802.11n(40M): 7CH</p> <p>Bluetooth: 79CH</p> <p>BLE: 40CH</p> <p>GPS:1CH</p>
Port:	USB Port, Earphone Port

Test Report	16071296-FCC-R2
Page	8 of 61

Adapter:  
Model: A88-501500  
Input: AC100-240V~50/60Hz,0.35A  
Output: DC 5.0V,1.5A  
Battery:  
Spec: 3.85V,2820mAh

Input Power:

Trade Name :                      Posh

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

FCC ID:                              2AG8KL551



## 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 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 3 antennas:

A permanently attached PIFA antenna for Bluetooth/BLE/WIFI/GPS, the gain is 0.87dBi for Bluetooth/BLE, the gain is 0.87dBi for WIFI, the gain is 0.89dBi for GPS.

A permanently attached PIFA antenna for GSM/PCS/UMTS, the gain is -1.27dBi for GSM850, 0.84dBi for PCS1900, -1.27dBi for UMTS-FDD Band V, 0.84dBi for UMTS-FDD Band IV, 0.84dBi for UMTS-FDD Band II.

A permanently attached PIFA antenna for LTE Band II/ IV/VII/XII/XVII, the gain is 0.54dBi for LTE Band II, the gain is 0.84dBi for LTE Band IV, the gain is 0.9dBi for LTE Band VII, the gain is -2.02dBi for LTE XII, the gain is -2.06dBi for LTE Band XVII.


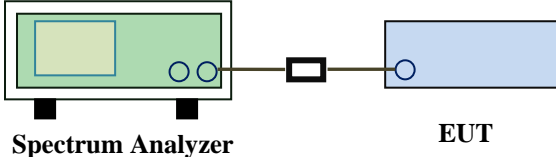
**The antenna meets up with the ANTENNA REQUIREMENT.**

**Result:** Compliance.

## 6.2 Channel Separation

Temperature	24°C
Relative Humidity	56%
Atmospheric Pressure	1023mbar
Test date :	November 23, 2016
Tested By :	Loren Luo

### 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

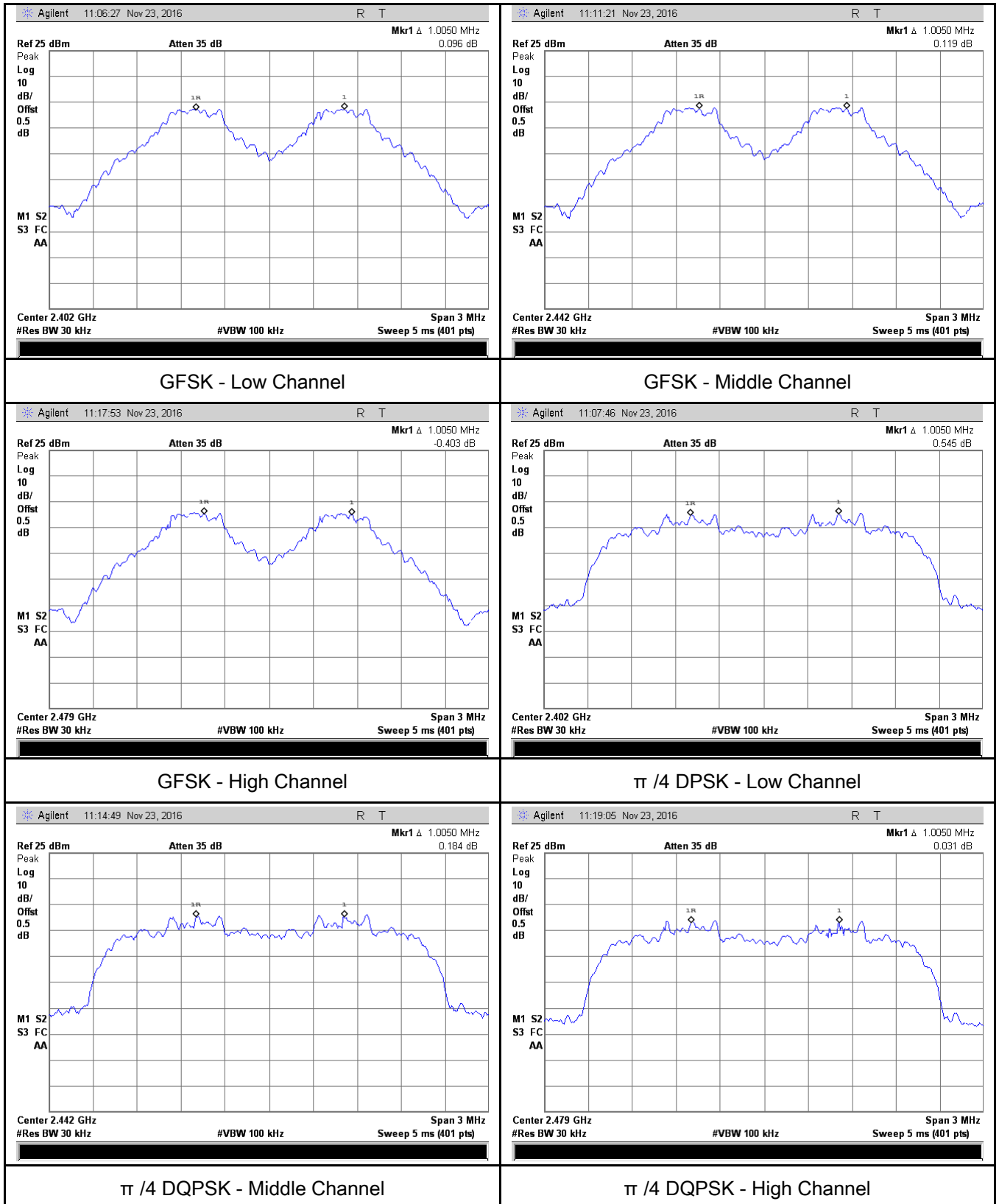
Test Plot ☒ Yes (See below) ☐ N/A

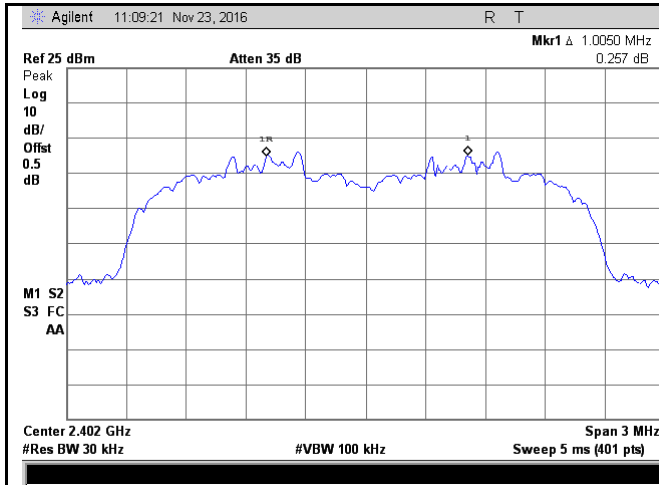
#### Channel Separation measurement result

Type/ Modulation	CH	CH Frequency (MHz)	CH Separation (MHz)	Limit (MHz)	Result
CH Separation GFSK	Low Channel	2402	1.005	0.691	Pass
	Adjacency Channel	2403			
	Mid Channel	2440	1.005	0.684	Pass
	Adjacency Channel	2441			
	High Channel	2480	1.005	0.690	Pass
	Adjacency Channel	2479			
CH Separation $\pi/4$ DQPSK	Low Channel	2402	1.005	0.885	Pass
	Adjacency Channel	2403			
	Mid Channel	2440	1.005	0.872	Pass
	Adjacency Channel	2441			
	High Channel	2480	1.005	0.870	Pass
	Adjacency Channel	2479			
CH Separation 8DPSK	Low Channel	2402	1.005	0.869	Pass
	Adjacency Channel	2403			
	Mid Channel	2440	1.005	0.869	Pass
	Adjacency Channel	2441			
	High Channel	2480	1.005	0.869	Pass
	Adjacency Channel	2479			

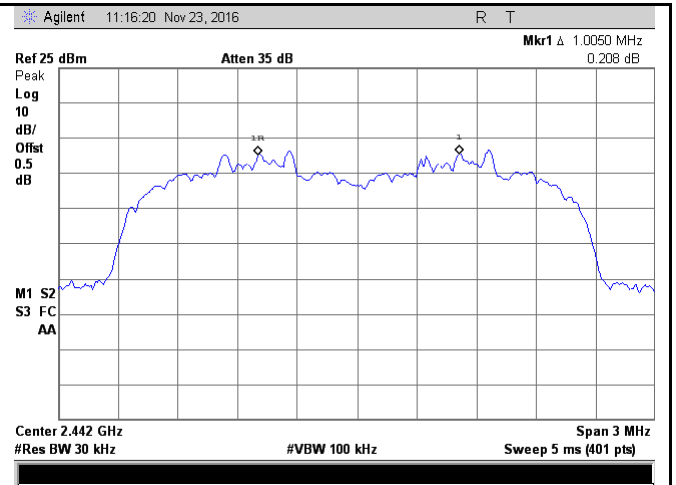
## Test Plots

### Channel Separation measurement result

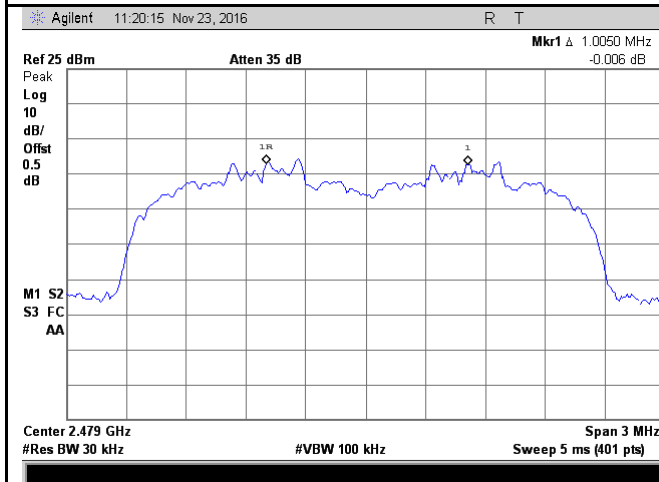




8DPSK - Low Channel



8DPSK - Middle Channel

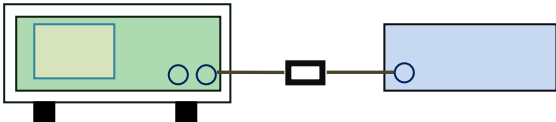


8DPSK - High Channel

### 6.3 20dB Bandwidth

Temperature	24°C
Relative Humidity	56%
Atmospheric Pressure	1023mbar
Test date :	November 23, 2016
Tested By :	Loren Luo

#### 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.	<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. Use the following spectrum analyzer settings:</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>		

Test Report	16071296-FCC-R2
Page	16 of 61

	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

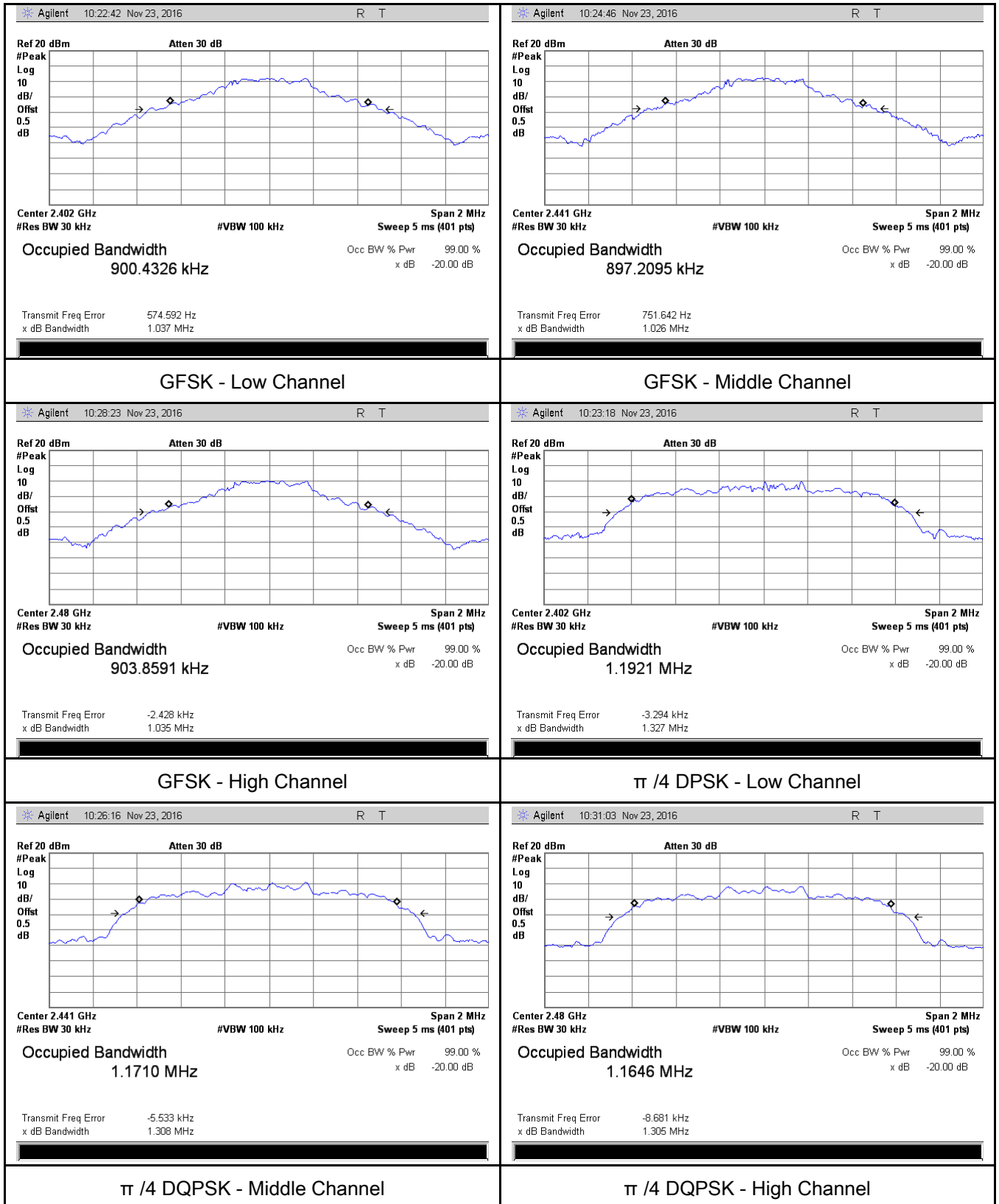
#### Measurement result

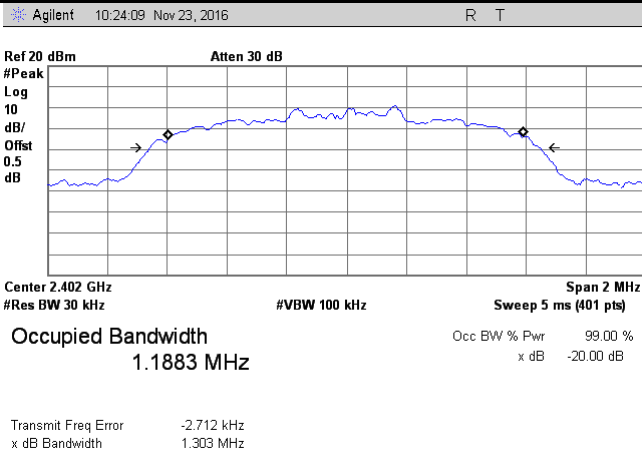
Modulation	CH	CH Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
GFSK	Low	2402	1.037	0.9004
	Mid	2441	1.026	0.8972
	High	2480	1.035	0.9039
$\pi/4$ DQPSK	Low	2402	1.327	1.1921
	Mid	2441	1.308	1.1710
	High	2480	1.305	1.1646
8-DPSK	Low	2402	1.303	1.1883
	Mid	2441	1.303	1.1835
	High	2480	1.304	1.1808



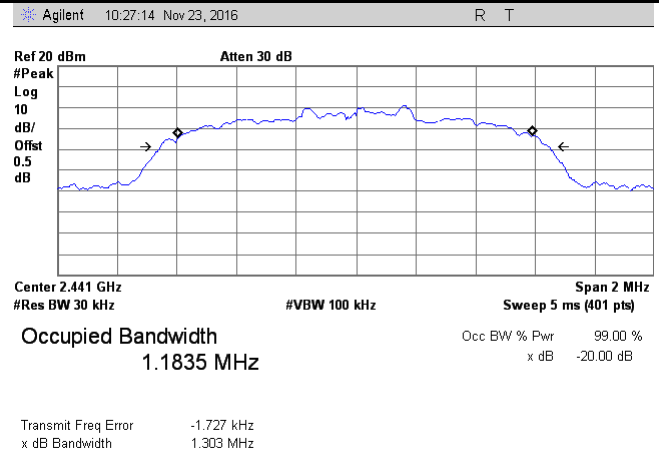
## Test Plots

### 20dB Bandwidth measurement result

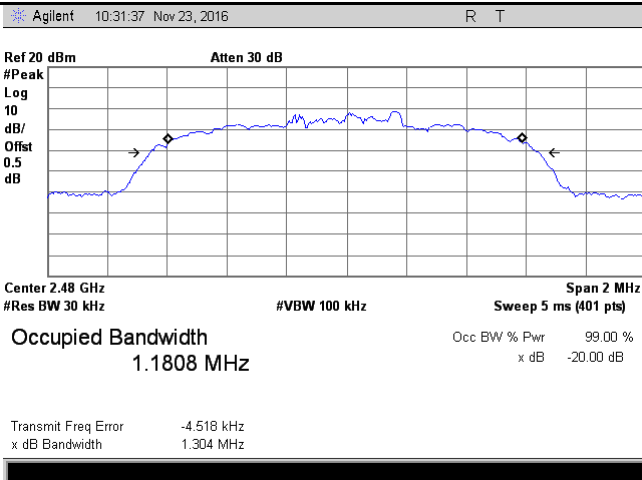




8DPSK - Low Channel



8DPSK - Middle Channel

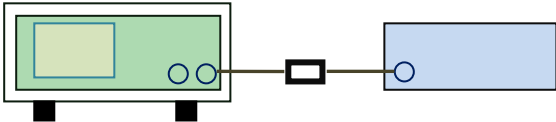


8DPSK - High Channel

## 6.4 Peak Output Power

Temperature	24°C
Relative Humidity	56%
Atmospheric Pressure	1023mbar
Test date :	November 23, 2016
Tested By :	Loren Luo

### 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>		
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>- 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>		

Test Report	16071296-FCC-R2
Page	20 of 61

	<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

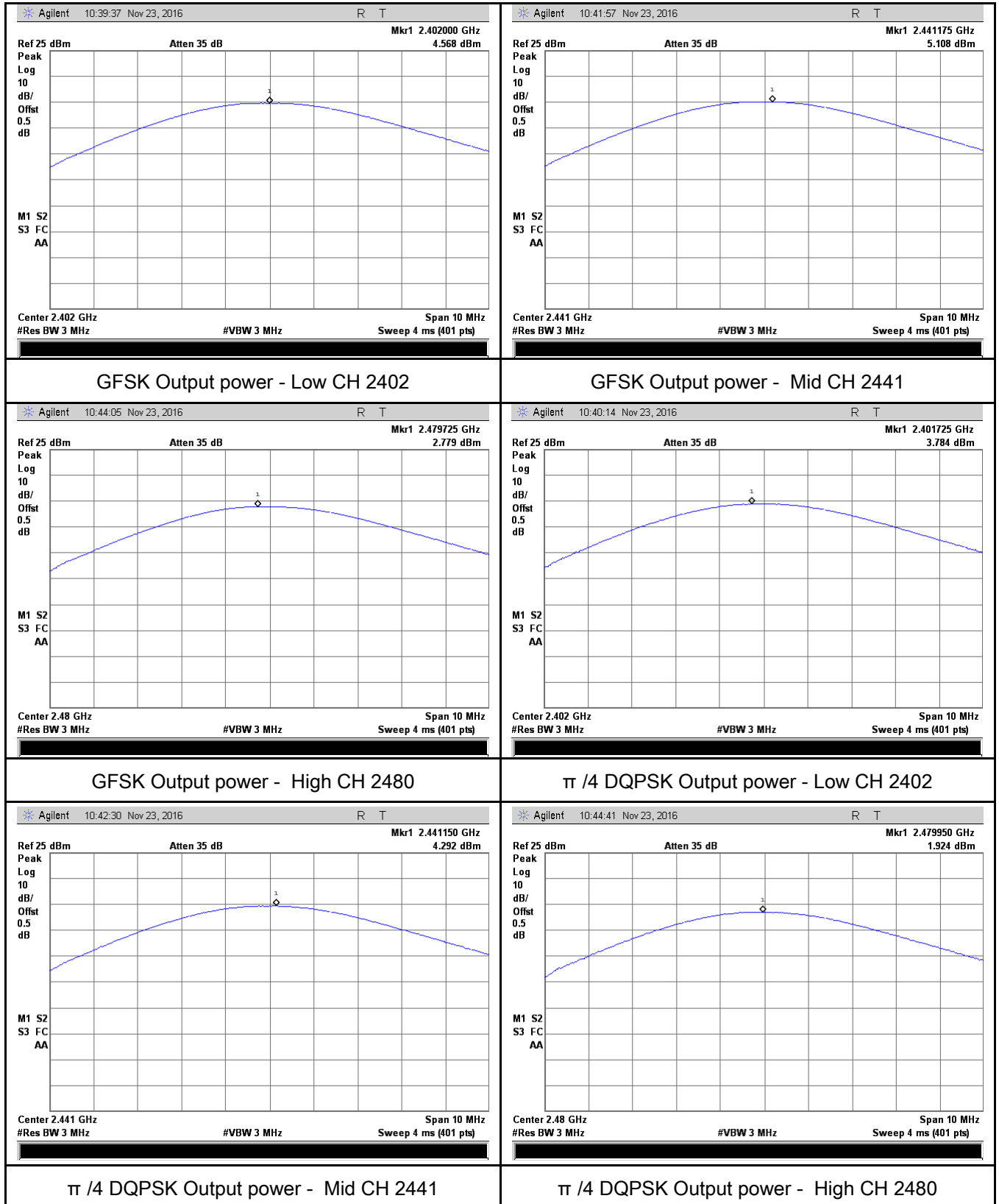
Test Plot ☒ Yes (See below) ☐ N/A

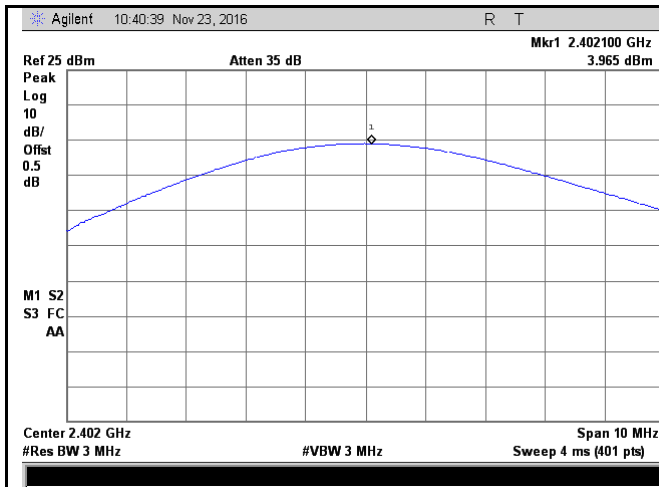
#### Peak Output Power measurement result

Type	Modulation	CH	Frequency (MHz)	Conducted Power (dBm)	Limit (mW)	Result
Output power	GFSK	Low	2402	4.568	125	Pass
		Mid	2441	<b>5.108</b>	125	Pass
		High	2480	2.779	125	Pass
	$\pi/4$ DQPSK	Low	2402	3.784	125	Pass
		Mid	2441	<b>4.292</b>	125	Pass
		High	2480	1.924	125	Pass
	8-DPSK	Low	2402	3.965	125	Pass
		Mid	2441	<b>4.392</b>	125	Pass
		High	2480	2.073	125	Pass

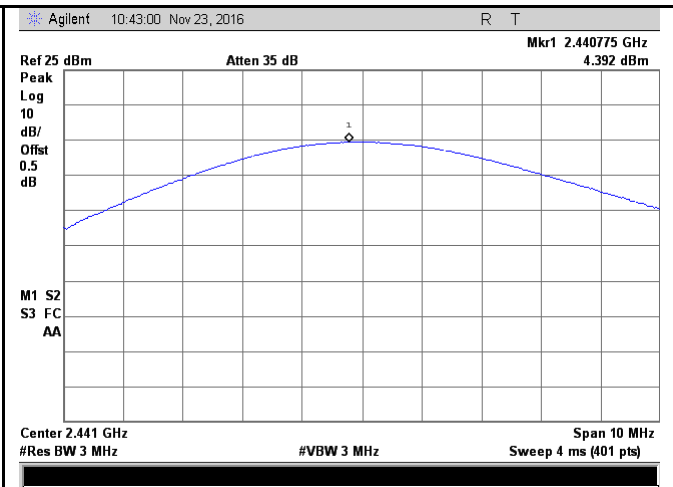
## Test Plots

### Output Power measurement result

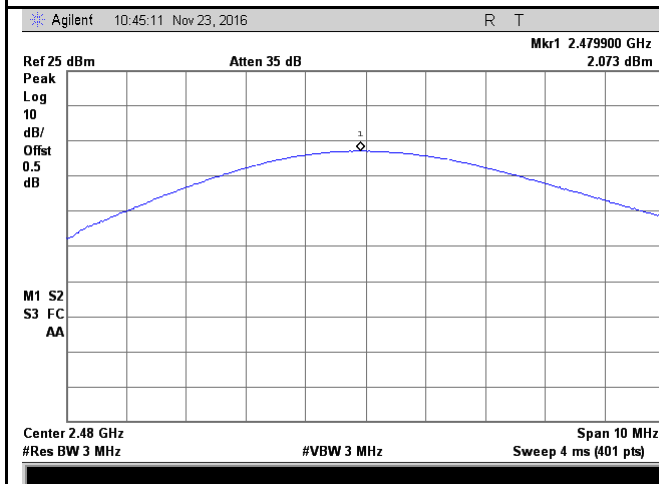




8DPSK Output power - Low CH 2402



8DPSK Output power - Mid CH 2441

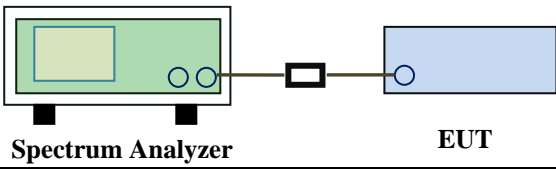


8DPSK Output power - High CH 2480

## 6.5 Number of Hopping Channel

Temperature	24°C
Relative Humidity	56%
Atmospheric Pressure	1023mbar
Test date :	November 23, 2016
Tested By :	Loren Luo

### 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		

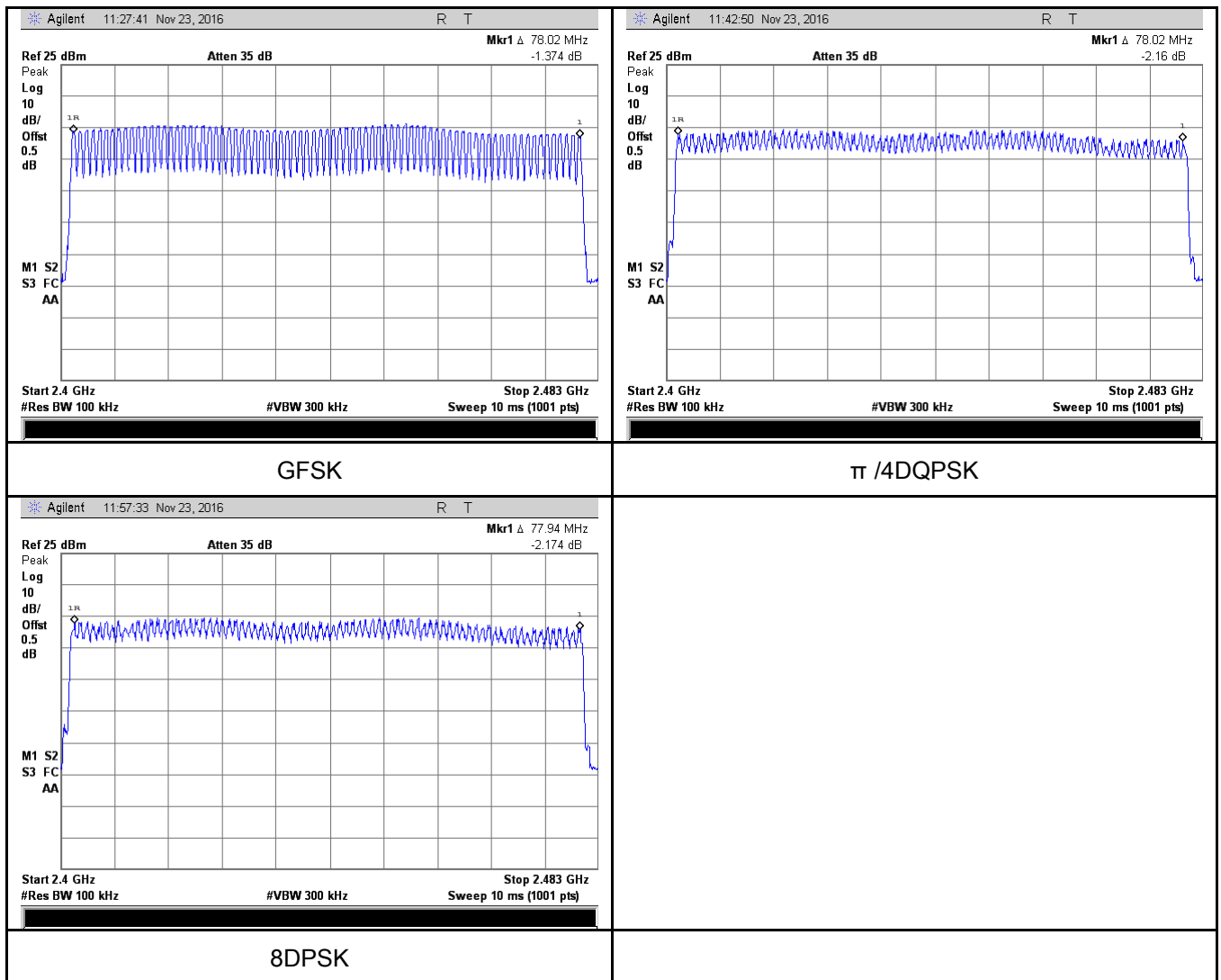
Test Data ☒ Yes                      ☐ N/A  
 Test Plot ☒ Yes (See below)                      ☐ N/A

### Number of Hopping Channel measurement result

Type	Modulation	Frequency Range	Number of Hopping Channel	Limit
Number of Hopping Channel	GFSK	2400-2483.5	78	15
	$\pi/4$ DQPSK	2400-2483.5	78	15
	8-DPSK	2400-2483.5	78	15

### Test Plots

#### Number of Hopping Channels measurement result

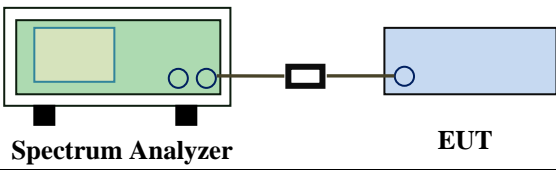




## 6.6 Time of Occupancy (Dwell Time)

Temperature	24°C
Relative Humidity	56%
Atmospheric Pressure	1023mbar
Test date :	November 23, 2016
Tested By :	Loren Luo

### 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		

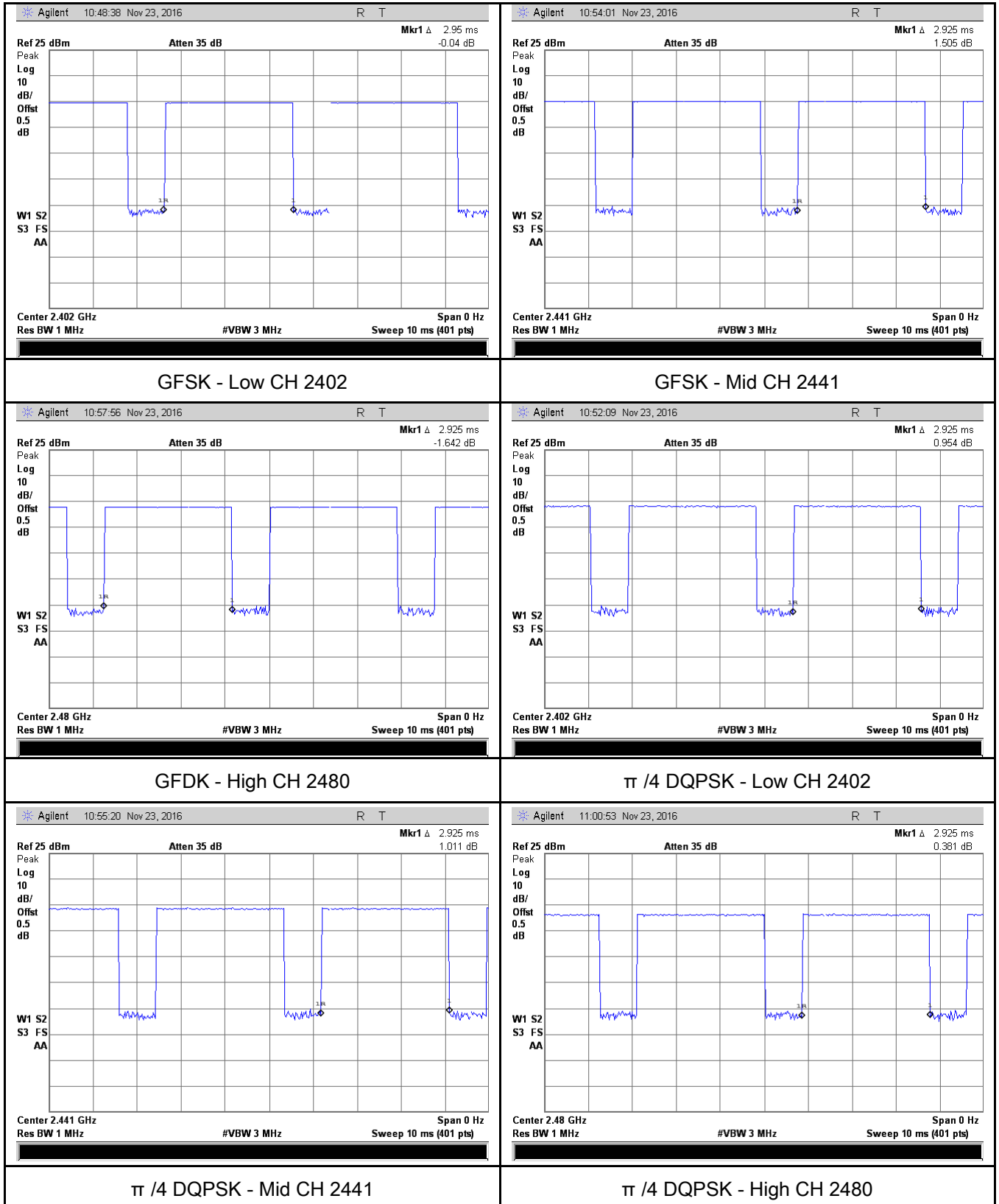
Test Data    ☒ Yes                      ☐ N/A

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

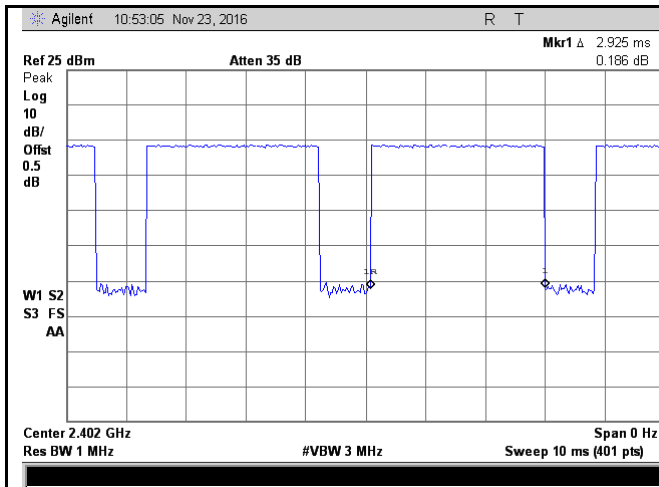
Type	Modulation	CH	Pulse Width (ms)	Dwell Time (ms)	Limit (ms)	Result
Dwell Time	GFSK	Low	2.950	314.667	400	Pass
		Mid	2.925	312.000	400	Pass
		High	2.925	312.000	400	Pass
	$\pi$ / 4 DQPSK	Low	2.925	312.000	400	Pass
		Mid	2.925	312.000	400	Pass
		High	2.925	312.000	400	Pass
	8-DPSK	Low	2.925	312.000	400	Pass
		Mid	2.975	317.333	400	Pass
		High	2.925	312.000	400	Pass
Note: Dwell time=Pulse Time (ms) $\times$ (1600 $\div$ 6 $\div$ 79) $\times$ 31.6						

## Test Plots

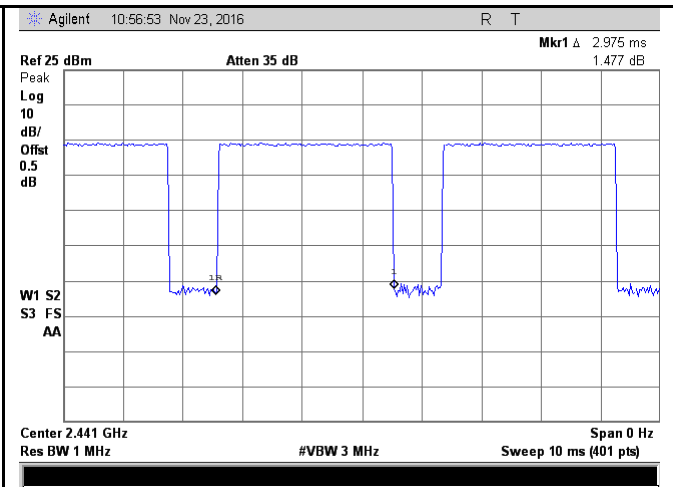
### Dwell Time measurement result



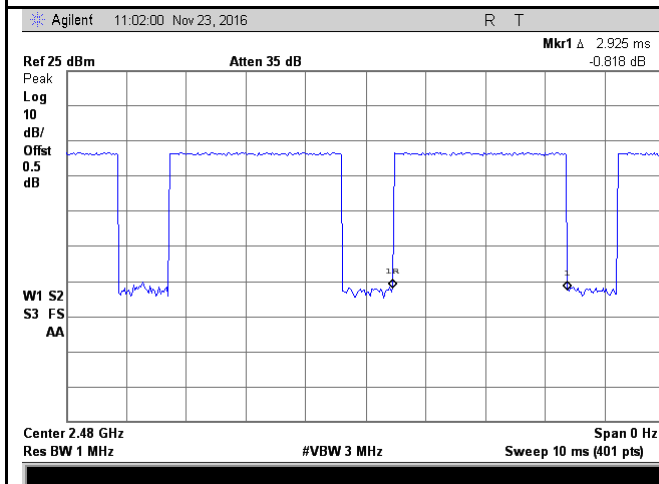
Test Report	16071296-FCC-R2
Page	28 of 61



8DPSK - Low CH 2402



8DPSK - Mid CH 2441

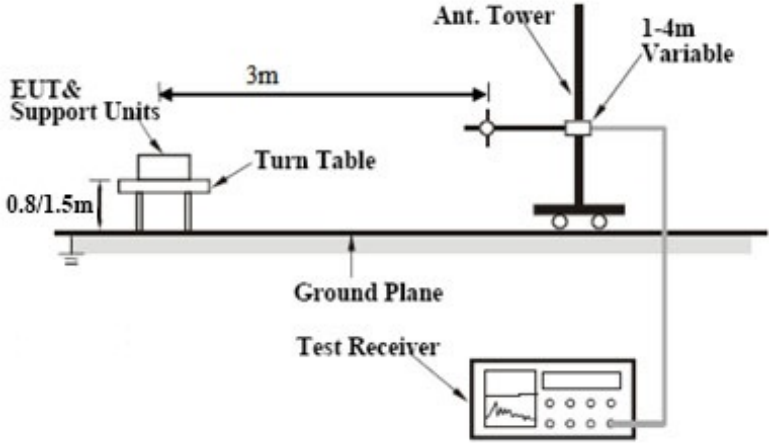


8DPSK - High CH 2480

## 6.7 Band Edge & Restricted Band

Temperature	22°C
Relative Humidity	58%
Atmospheric Pressure	1025mbar
Test date :	November 25, 2016
Tested By :	Loren Luo

### 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			
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>		

Test Report	16071296-FCC-R2
Page	30 of 61

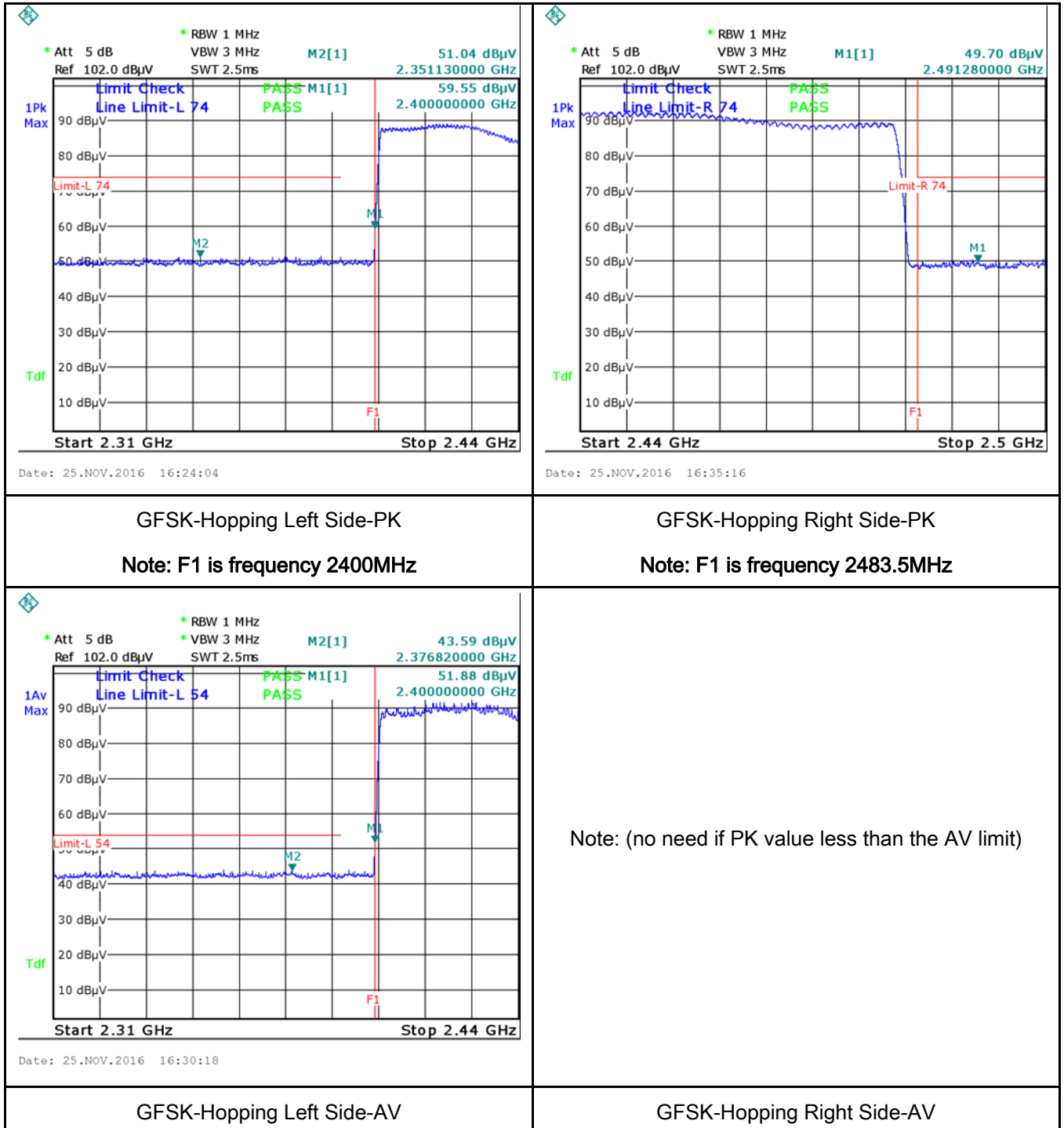
	<p>and make sure the instrument is operated in its linear range.</p> <ul style="list-style-type: none"> <li>- 3. First, set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100kHz bandwidth from band edge, check the emission of EUT, if pass then set Spectrum 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

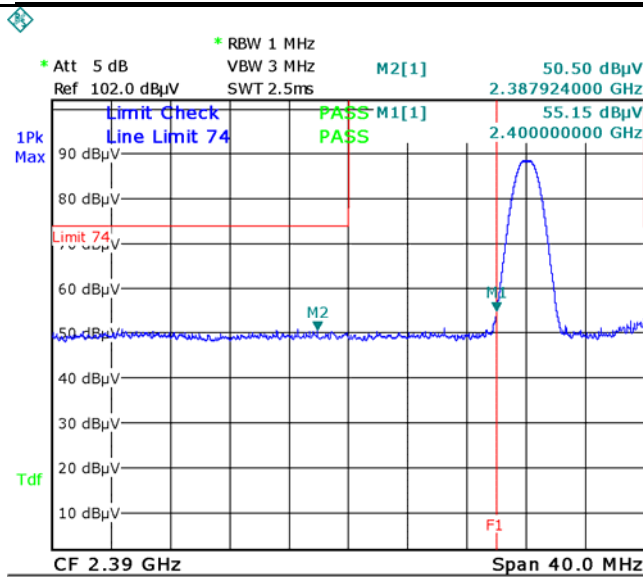
Test Data ☐ Yes ☒ N/A

Test Plot ☒ Yes (See below) ☐ N/A

## Test Plots

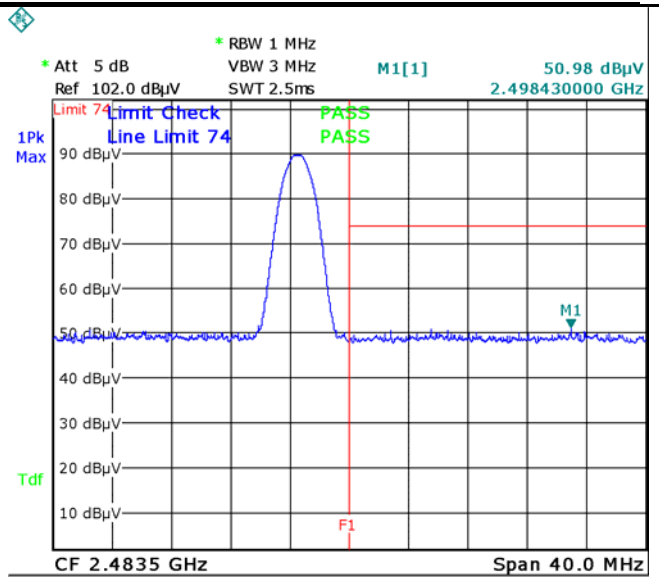
### GFSK Mode:





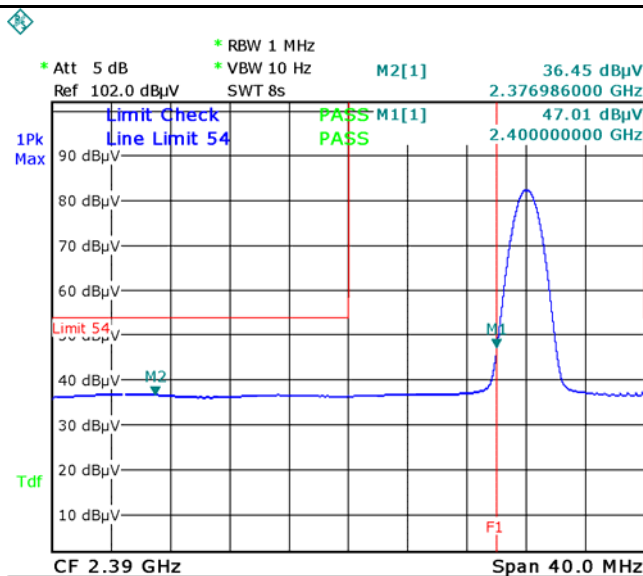
GFSK-Left Side-PK

Note: F1 is frequency 2400MHz



GFSK-Right Side-PK

Note: F1 is frequency 2483.5MHz



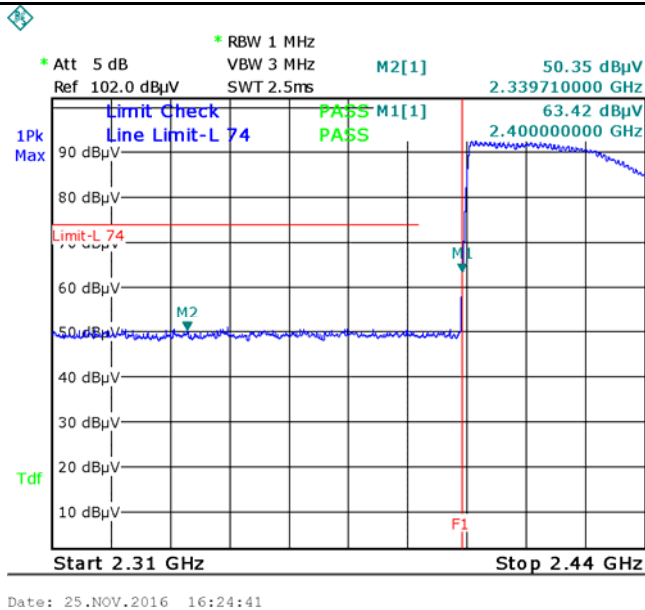
GFSK-Left Side-AV

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

GFSK-Right Side-AV

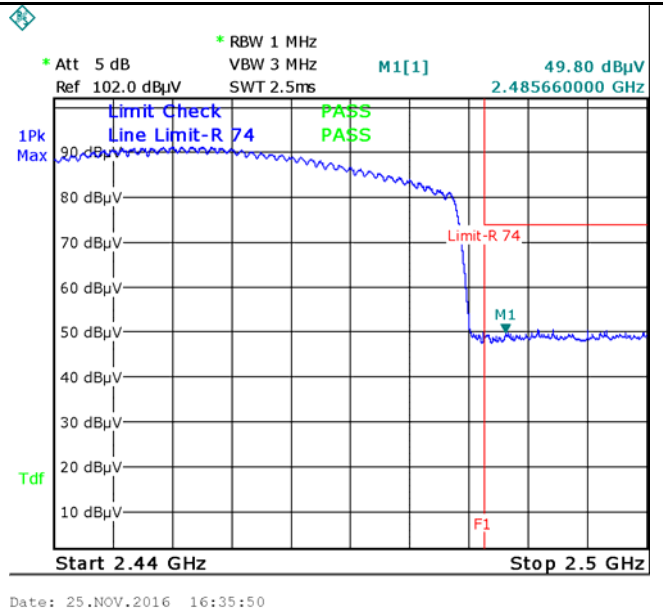


$\pi/4$  DQPSK Mode:



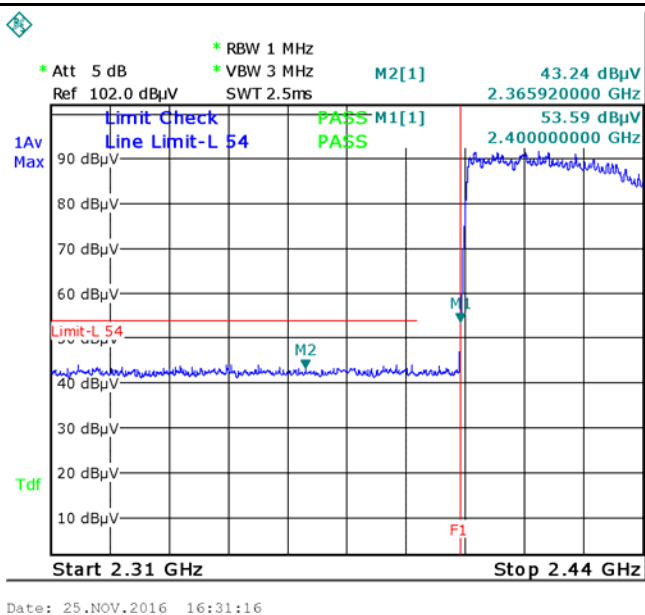
$\pi/4$  DQPSK-Hopping Left Side-PK

Note: F1 is frequency 2400MHz



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

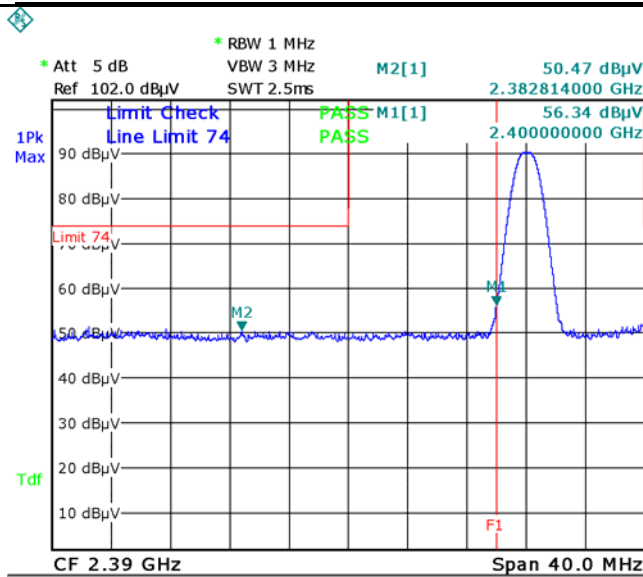
Note: F1 is frequency 2483.5MHz



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

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

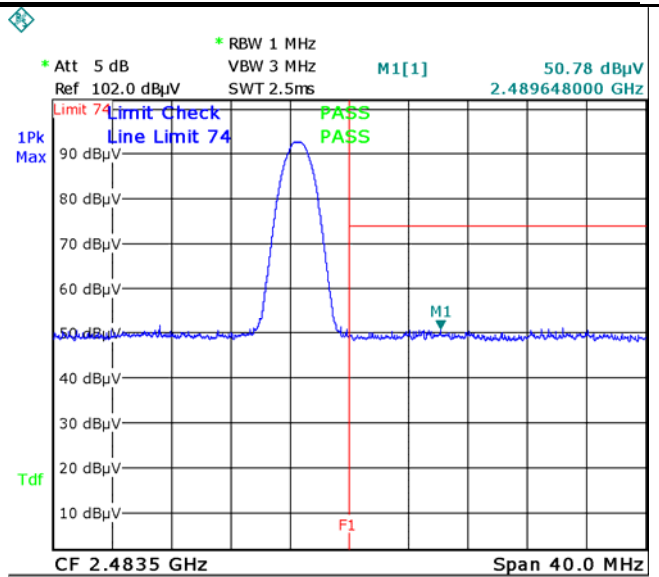
$\pi/4$  DQPSK-Hopping Right-AV



Date: 25.NOV.2016 16:00:50

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

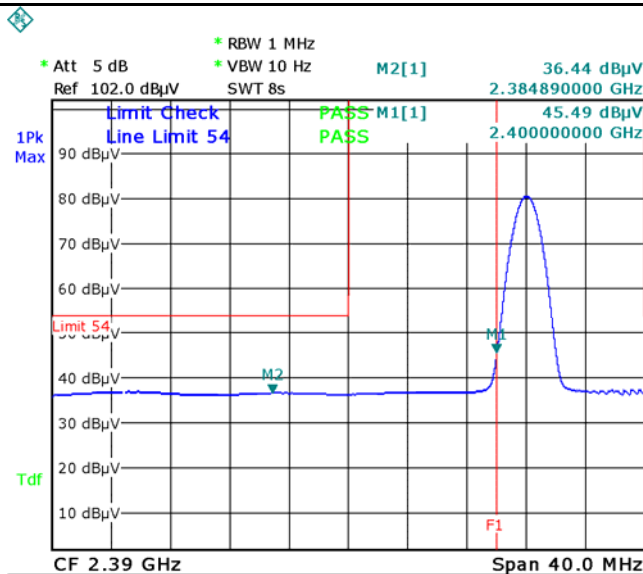
Note: F1 is frequency 2400MHz



Date: 25.NOV.2016 16:15:04

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

Note: F1 is frequency 2483.5MHz



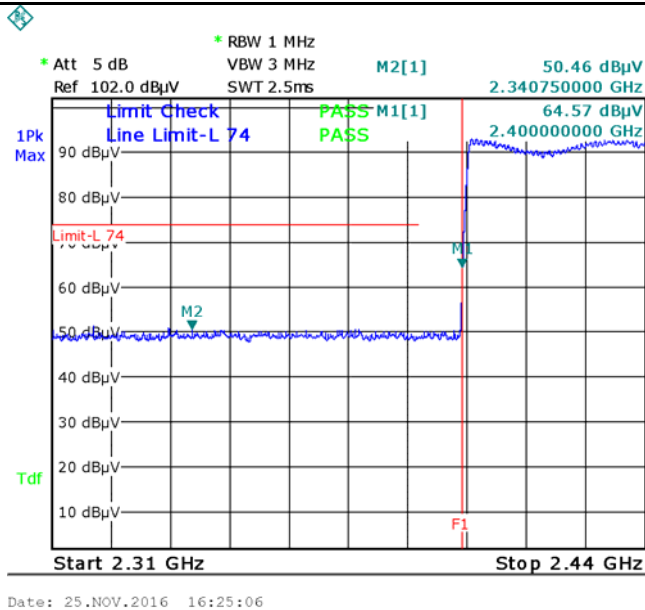
Date: 25.NOV.2016 16:05:05

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

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

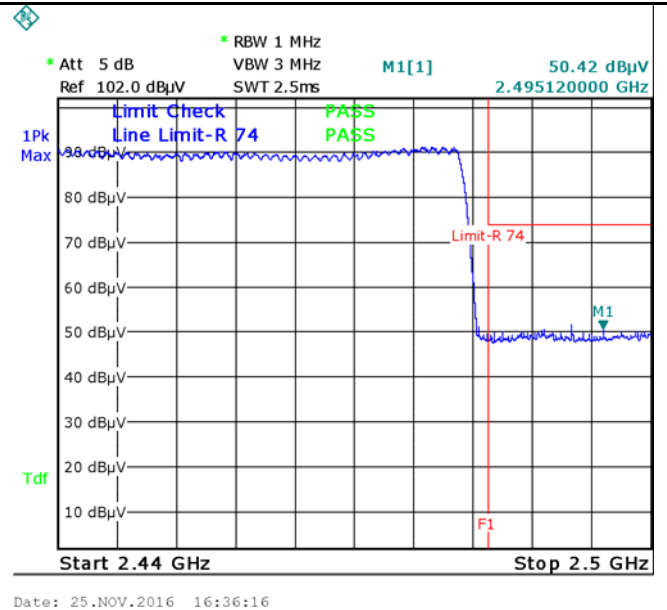
$\pi/4$  DQPSK-Right Side-AV

### 8-DPSK Mode:



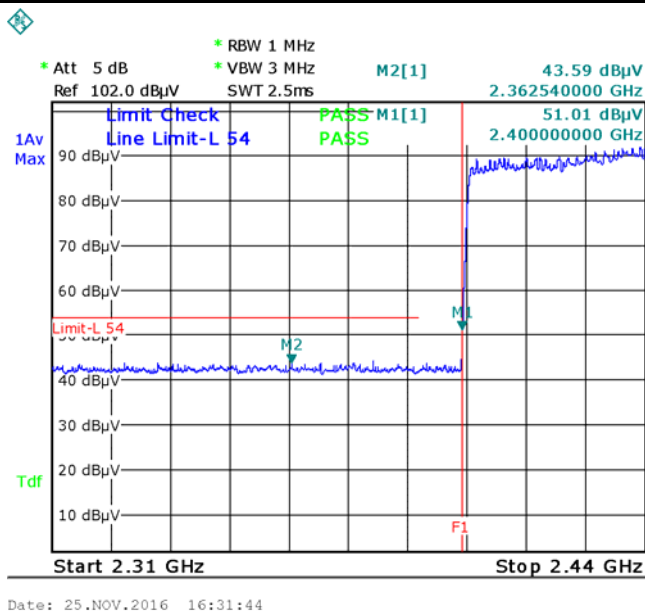
#### 8DPSK-Hopping Left Side-PK

Note: F1 is frequency 2400MHz



#### 8DPSK-Hopping Right Side-PK

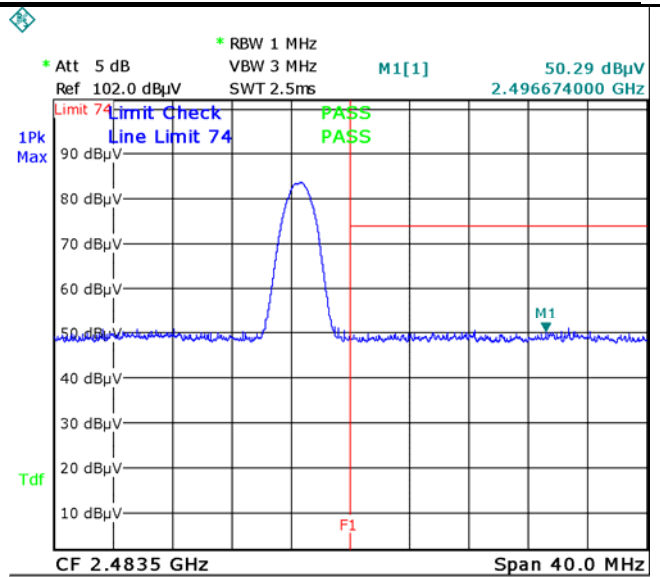
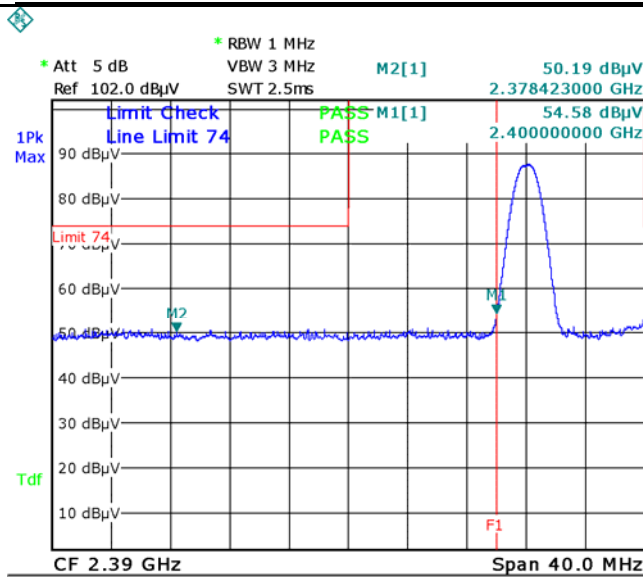
Note: F1 is frequency 2483.5MHz



#### 8DPSK-Hopping Left-AV

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

#### 8DPSK-Hopping Right-AV

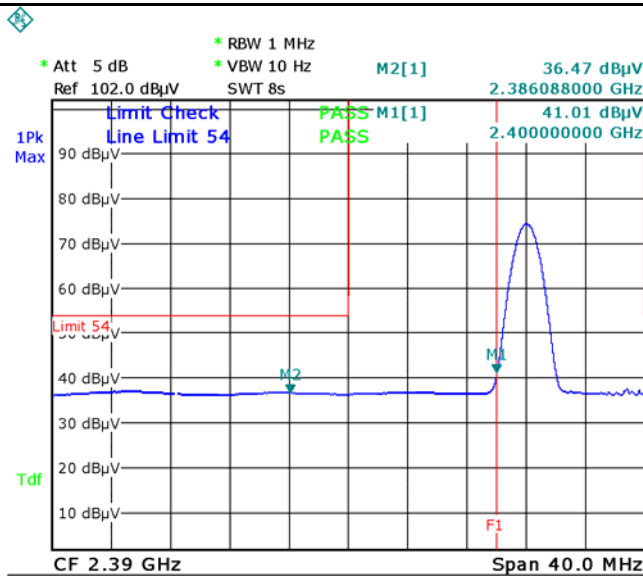


#### 8DPSK-Left Side-PK

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

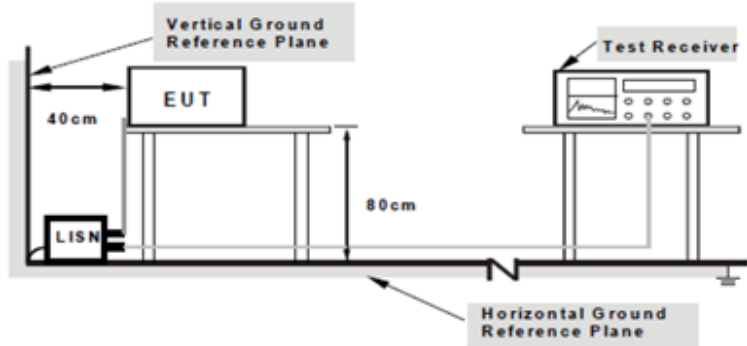
#### 8DPSK-Right Side-AV

## 6.8 AC Power Line Conducted Emissions

Temperature	22°C
Relative Humidity	58%
Atmospheric Pressure	1025mbar
Test date :	November 25, 2016
Tested By :	Loren Luo

### Requirement(s):

Spec	Item	Requirement	Applicable		
47CFR§15.207, RSS210 (A8.1)	a)	For Low-power radio-frequency devices that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 [mu]H/50 ohms line impedance stabilization network (LISN). The lower limit applies at the boundary between the frequencies ranges.	<div><input checked="" type="checkbox"/></div>		
		Frequency ranges (MHz)		Limit (dBµV)	
				QP	Average
		0.15 ~ 0.5		66 – 56	56 – 46
		0.5 ~ 5		56	46
5 ~ 30	60	50			

Test Setup	 <p>Note: 1.Support units were connected to second LISN. 2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.</p>
------------	---

Procedure	<ol style="list-style-type: none"> <li>The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table.</li> <li>The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains.</li> <li>The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss</li> </ol>
-----------	---

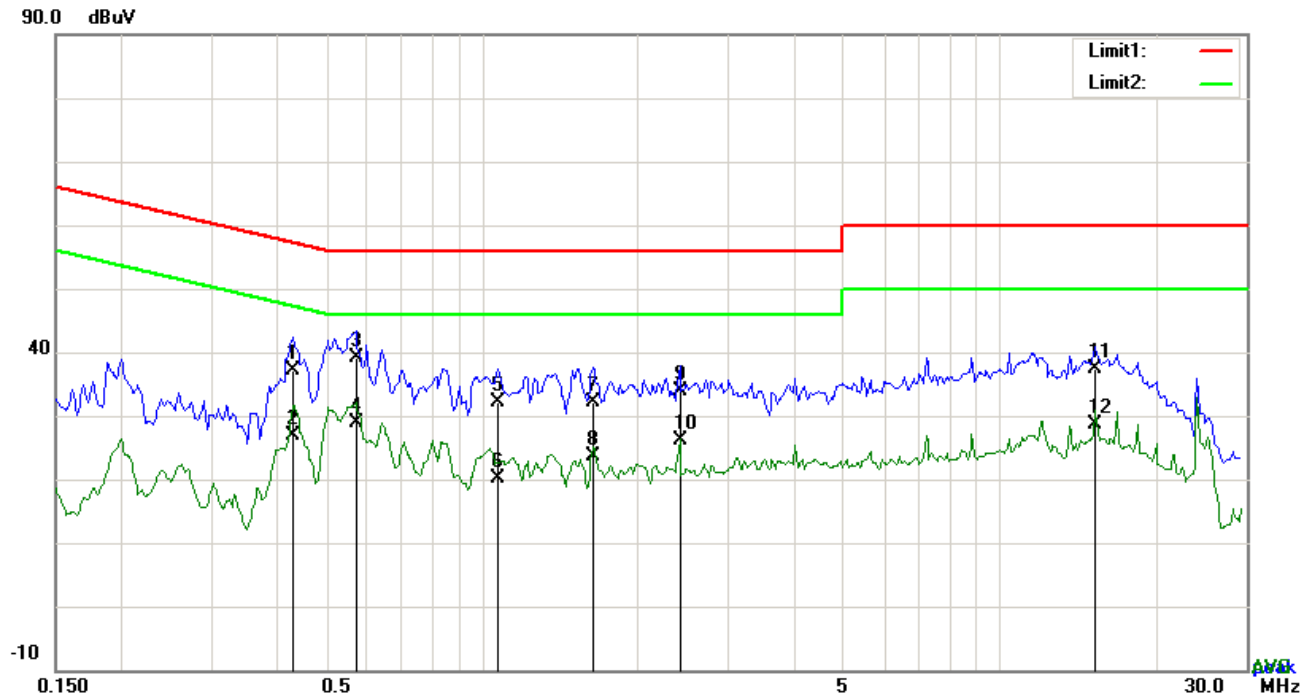
Test Report	16071296-FCC-R2
Page	38 of 61

	<p>coaxial cable.</p> <ol style="list-style-type: none"> <li>4. All other supporting equipment were powered separately from another main supply.</li> <li>5. The EUT was switched on and allowed to warm up to its normal operating condition.</li> <li>6. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) over the required frequency range using an EMI test receiver.</li> <li>7. High peaks, relative to the limit line, The EMI test receiver was then tuned to the selected frequencies and the necessary measurements made with a receiver bandwidth setting of 10 kHz.</li> <li>8. Step 7 was then repeated for the LIVE line (for AC mains) or DC line (for DC power).</li> </ol>
Remark	
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data ☒ Yes ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A

**Test Mode:** Bluetooth Mode

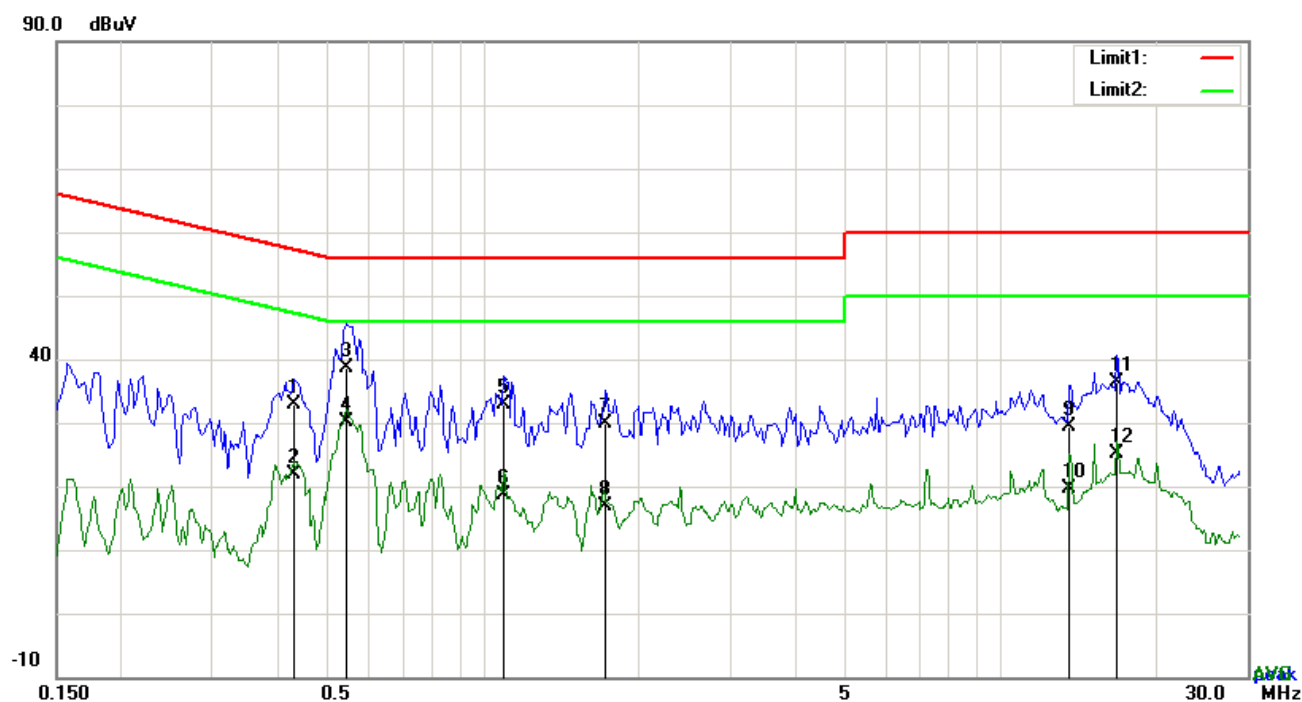


### Test Data

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

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	L1	0.4308	24.90	QP	12.16	37.06	57.24	-20.18
2	L1	0.4308	14.63	AVG	12.16	26.79	47.24	-20.45
3	L1	0.5712	27.34	QP	11.83	39.17	56.00	-16.83
4	L1	0.5712	17.09	AVG	11.83	28.92	46.00	-17.08
5	L1	1.0743	20.80	QP	11.40	32.20	56.00	-23.80
6	L1	1.0743	8.69	AVG	11.40	20.09	46.00	-25.91
7	L1	1.6437	20.70	QP	11.40	32.10	56.00	-23.90
8	L1	1.6437	12.18	AVG	11.40	23.58	46.00	-22.42
9	L1	2.4120	22.41	QP	11.40	33.81	56.00	-22.19
10	L1	2.4120	14.82	AVG	11.40	26.22	46.00	-19.78
11	L1	15.2772	23.17	QP	14.20	37.37	60.00	-22.63
12	L1	15.2772	14.31	AVG	14.20	28.51	50.00	-21.49

**Test Mode:** Bluetooth Mode



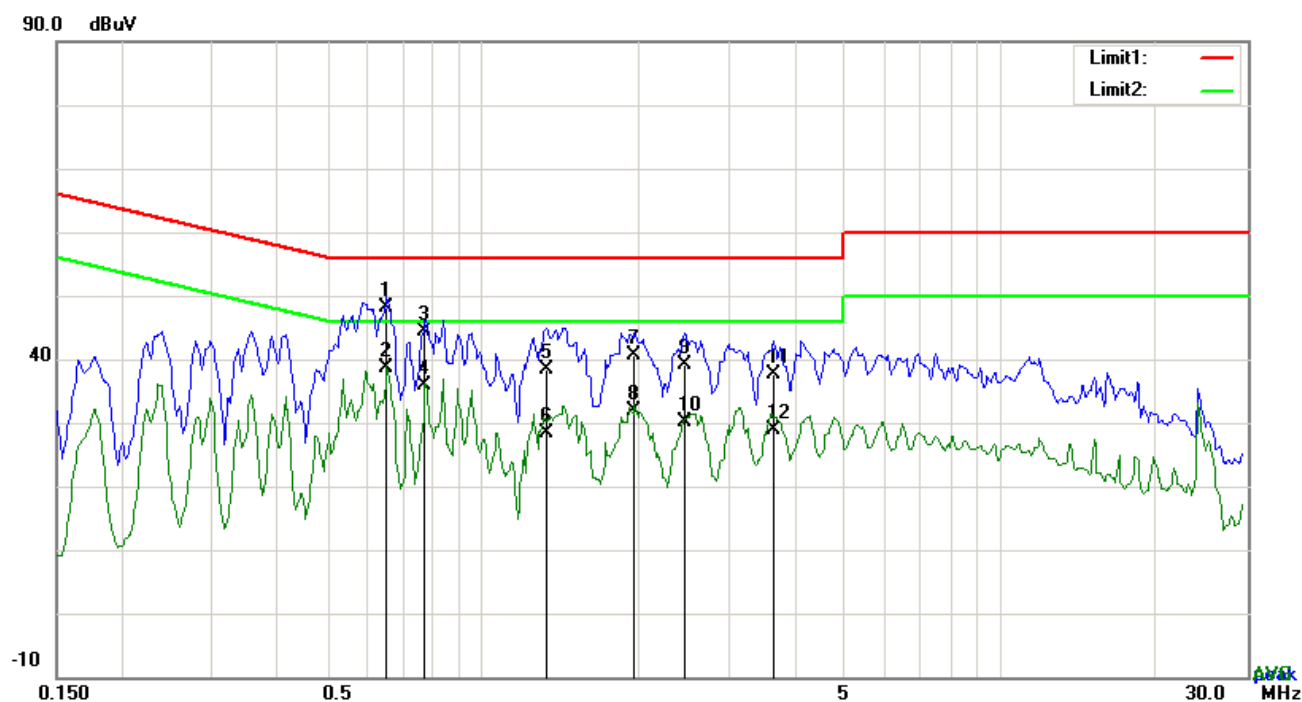
### Test Data

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

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	N	0.4308	20.71	QP	12.16	32.87	57.24	-24.37
2	N	0.4308	9.67	AVG	12.16	21.83	47.24	-25.41
3	N	0.5439	26.74	QP	11.86	38.60	56.00	-17.40
4	N	0.5439	18.16	AVG	11.86	30.02	46.00	-15.98
5	N	1.0977	21.44	QP	11.41	32.85	56.00	-23.15
6	N	1.0977	7.23	AVG	11.41	18.64	46.00	-27.36
7	N	1.7295	18.29	QP	11.49	29.78	56.00	-26.22
8	N	1.7295	5.31	AVG	11.49	16.80	46.00	-29.20
9	N	13.6158	15.45	QP	13.89	29.34	60.00	-30.66
10	N	13.6158	5.84	AVG	13.89	19.73	50.00	-30.27
11	N	16.8177	21.80	QP	14.50	36.30	60.00	-23.70
12	N	16.8177	10.74	AVG	14.50	25.24	50.00	-24.76



**Test Mode:** Bluetooth Mode

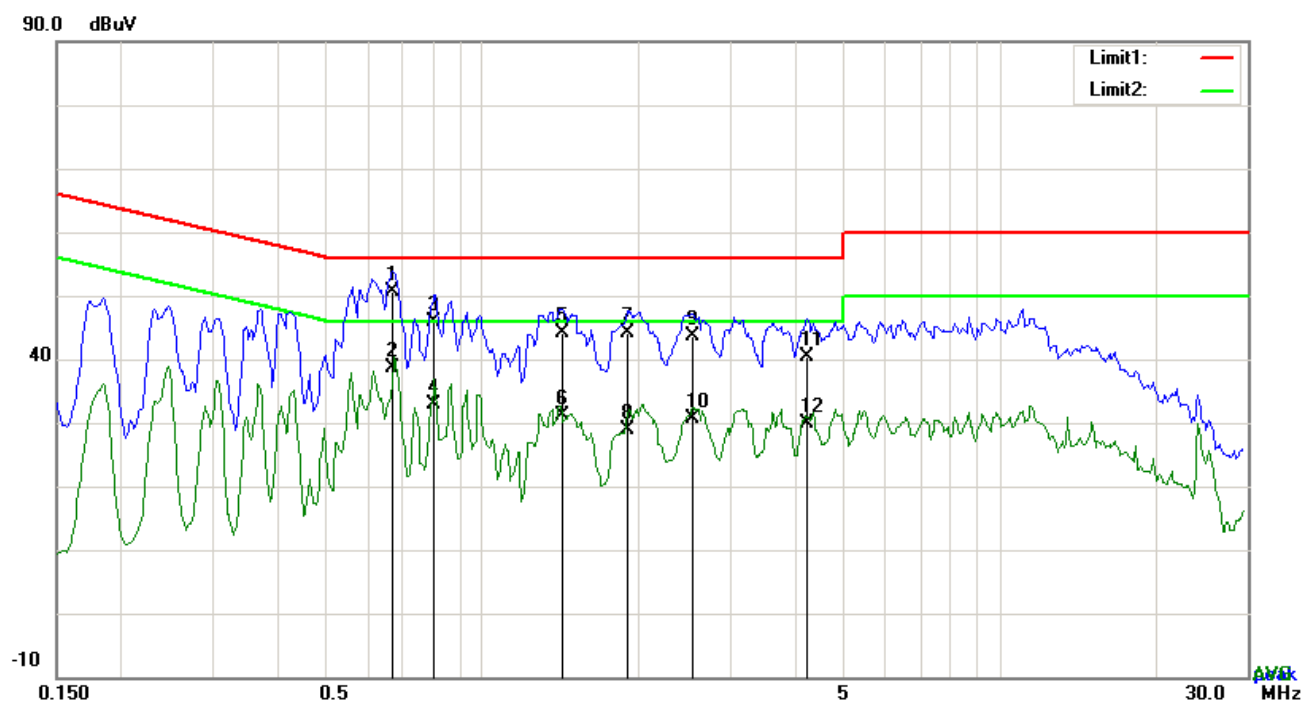


**Test Data**

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

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	L1	0.6531	36.38	QP	11.75	48.13	56.00	-7.87
2	L1	0.6531	26.86	AVG	11.75	38.61	46.00	-7.39
3	L1	0.7740	32.76	QP	11.63	44.39	56.00	-11.61
4	L1	0.7740	24.18	AVG	11.63	35.81	46.00	-10.19
5	L1	1.3239	27.06	QP	11.40	38.46	56.00	-17.54
6	L1	1.3239	16.91	AVG	11.40	28.31	46.00	-17.69
7	L1	1.9635	29.27	QP	11.40	40.67	56.00	-15.33
8	L1	1.9635	20.39	AVG	11.40	31.79	46.00	-14.21
9	L1	2.4588	27.63	QP	11.40	39.03	56.00	-16.97
10	L1	2.4588	18.81	AVG	11.40	30.21	46.00	-15.79
11	L1	3.6513	26.20	QP	11.40	37.60	56.00	-18.40
12	L1	3.6513	17.57	AVG	11.40	28.97	46.00	-17.03

**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	0.6687	39.00	QP	11.73	50.73	56.00	-5.27
2	N	0.6687	26.88	AVG	11.73	38.61	46.00	-7.39
3	N	0.8052	34.39	QP	11.59	45.98	56.00	-10.02
4	N	0.8052	21.25	AVG	11.59	32.84	46.00	-13.16
5	N	1.4292	32.56	QP	11.45	44.01	56.00	-11.99
6	N	1.4292	19.78	AVG	11.45	31.23	46.00	-14.77
7	N	1.9011	32.53	QP	11.51	44.04	56.00	-11.96
8	N	1.9011	17.35	AVG	11.51	28.86	46.00	-17.14
9	N	2.5485	31.97	QP	11.59	43.56	56.00	-12.44
10	N	2.5485	18.97	AVG	11.59	30.56	46.00	-15.44
11	N	4.2402	28.62	QP	11.81	40.43	56.00	-15.57
12	N	4.2402	18.05	AVG	11.81	29.86	46.00	-16.14

## 6.9 Radiated Spurious Emissions & Restricted Band

Temperature	22°C
Relative Humidity	58%
Atmospheric Pressure	1025mbar
Test date :	November 25, 2016
Tested By :	Loren Luo

### 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												
		<table><tr><th>Frequency range (MHz)</th><th>Field Strength (µV/m)</th></tr><tr><td>30 – 88</td><td>100</td></tr><tr><td>88 – 216</td><td>150</td></tr><tr><td>216 960</td><td>200</td></tr><tr><td>Above 960</td><td>500</td></tr></table>		Frequency range (MHz)	Field Strength (µV/m)	30 – 88	100	88 – 216	150	216 960	200	Above 960	500	
		Frequency range (MHz)		Field Strength (µV/m)										
		30 – 88		100										
		88 – 216		150										
		216 960		200										
Above 960	500													

Test Setup	
------------	--

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:</li> </ol>
-----------	---

Test Report	16071296-FCC-R2
Page	44 of 61

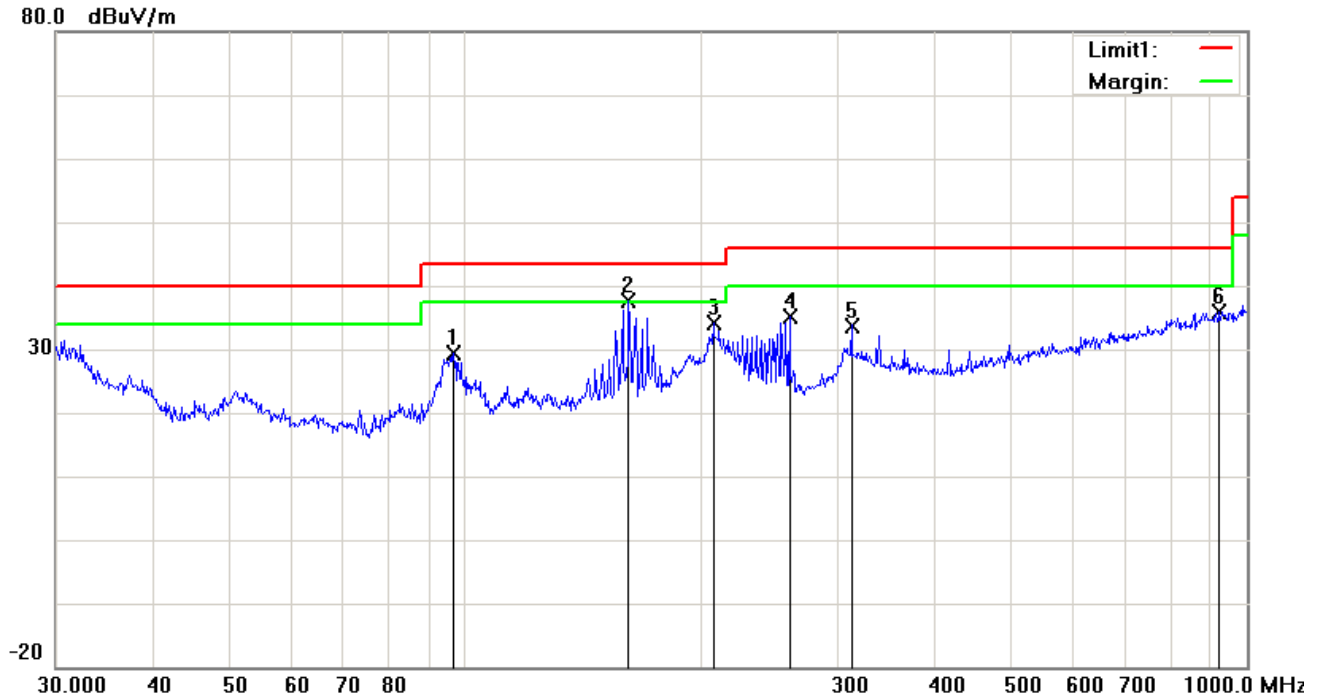
	<p>a. Vertical or horizontal polarization (whichever gave the higher emission level over a full rotation of the EUT) was chosen.</p> <p>b. The EUT was then rotated to the direction that gave the maximum emission.</p> <p>c. Finally, the antenna height was adjusted to the height that gave the maximum emission.</p> <p>3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz.</p> <p>4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz with Peak detection for Peak measurement at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz with Peak detection for Average Measurement as below at frequency above 1GHz.</p> <p>5. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.</p>
Remark	
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

**Below 1GHz**



**Test Data**

**Horizontal Polarity Plot @3m**

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( ° )
1	H	96.7749	40.94	peak	-11.65	29.29	43.50	-14.21	200	237
2	H	162.0414	46.01	QP	-8.45	37.56	43.50	-5.94	100	146
3	H	207.8501	43.04	peak	-8.81	34.23	43.50	-9.27	100	51
4	H	260.1444	43.88	peak	-8.72	35.16	46.00	-10.84	100	97
5	H	312.1794	40.30	peak	-6.55	33.75	46.00	-12.25	100	248
6	H	922.5157	30.92	peak	4.89	35.81	46.00	-10.19	100	115

### Below 1GHz



### Test Data

#### Vertical Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( ° )
1	V	51.8430	50.81	QP	-13.40	37.41	40.00	-2.59	100	67
2	V	82.0706	50.01	QP	-13.66	36.35	40.00	-3.65	100	59
3	V	96.4362	49.37	QP	-11.75	37.62	43.50	-5.88	100	328
4	V	162.0414	48.30	QP	-8.45	39.85	43.50	-3.65	100	154
5	V	211.5265	41.84	peak	-8.84	33.00	43.50	-10.50	100	263
6	V	916.0687	31.44	peak	4.83	36.27	46.00	-9.73	100	103

## Above 1GHz

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

### Low Channel: 8-DPSK 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	38.41	AV	V	33.67	6.86	32.66	46.28	54	-7.72
4804	38.22	AV	H	33.67	6.86	32.66	46.09	54	-7.91
4804	47.56	PK	V	33.67	6.86	32.66	55.43	74	-18.57
4804	47.13	PK	H	33.67	6.86	32.66	55	74	-19.00
17784	24.05	AV	V	45.03	11.21	32.38	47.91	54	-6.09
17784	23.75	AV	H	45.03	11.21	32.38	47.61	54	-6.39
17784	40.28	PK	V	45.03	11.21	32.38	64.14	74	-9.86
17784	39.64	PK	H	45.03	11.21	32.38	63.5	74	-10.5

### 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	38.62	AV	V	33.71	6.95	32.74	46.54	54	-7.46
4882	38.47	AV	H	33.71	6.95	32.74	46.39	54	-7.61
4882	47.12	PK	V	33.71	6.95	32.74	55.04	74	-18.96
4882	46.58	PK	H	33.71	6.95	32.74	54.5	74	-19.50
17816	23.73	AV	V	45.15	11.18	32.41	47.65	54	-6.35
17816	23.45	AV	H	45.15	11.18	32.41	47.37	54	-6.63
17816	41.32	PK	V	45.15	11.18	32.41	65.24	74	-8.76
17816	41.05	PK	H	45.15	11.18	32.41	64.97	74	-9.03

**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	38.77	AV	V	33.9	6.76	32.74	46.69	54	-7.31
4960	38.56	AV	H	33.9	6.76	32.74	46.48	54	-7.52
4960	48.13	PK	V	33.9	6.76	32.74	56.05	74	-17.95
4960	47.52	PK	H	33.9	6.76	32.74	55.44	74	-18.56
17798	24.51	AV	V	45.22	11.35	32.38	48.7	54	-5.30
17798	24.31	AV	H	45.22	11.35	32.38	48.5	54	-5.50
17798	41.03	PK	V	45.22	11.35	32.38	65.22	74	-8.78
17798	40.67	PK	H	45.22	11.35	32.38	64.86	74	-9.14

**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	03/24/2016	03/23/2017	<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 - Front View



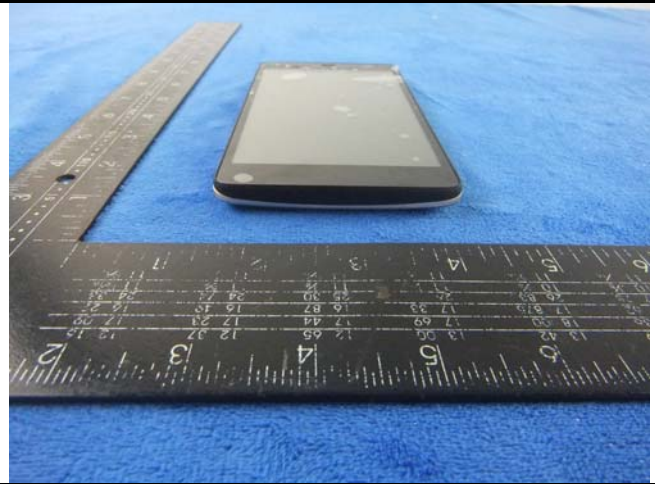
EUT - Front View



EUT - Rear View



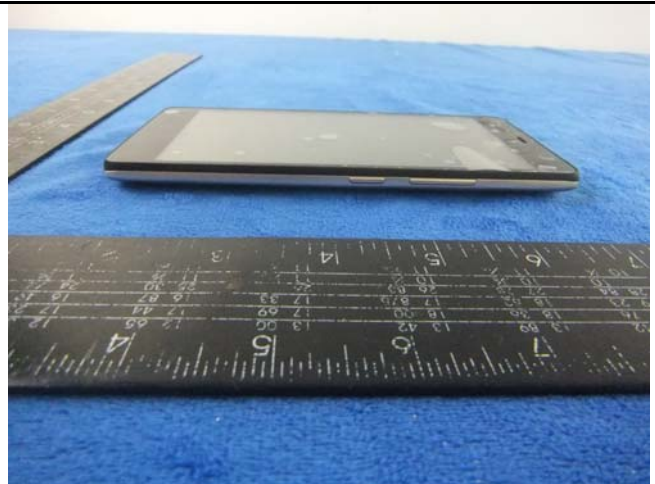
EUT - Top View



EUT - Bottom View



EUT - Left View



EUT - Right View



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



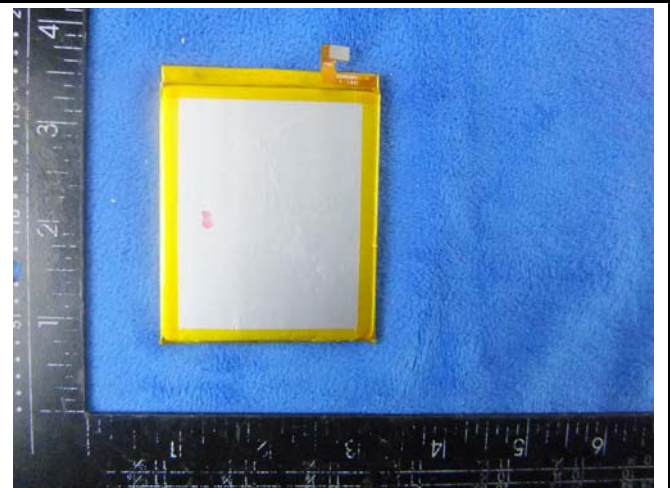
Cover Off - Top View 1



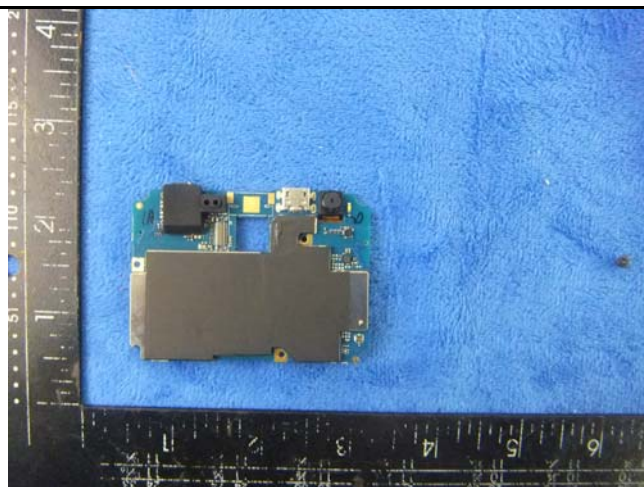
Cover Off - Top View 2



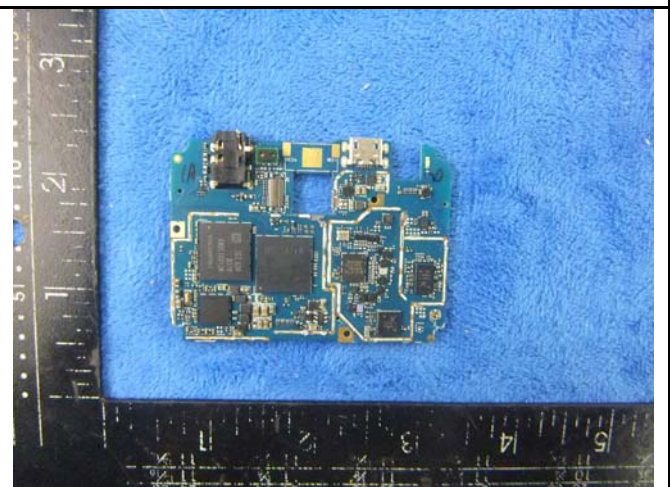
Battery - Front View



Battery - Rear View

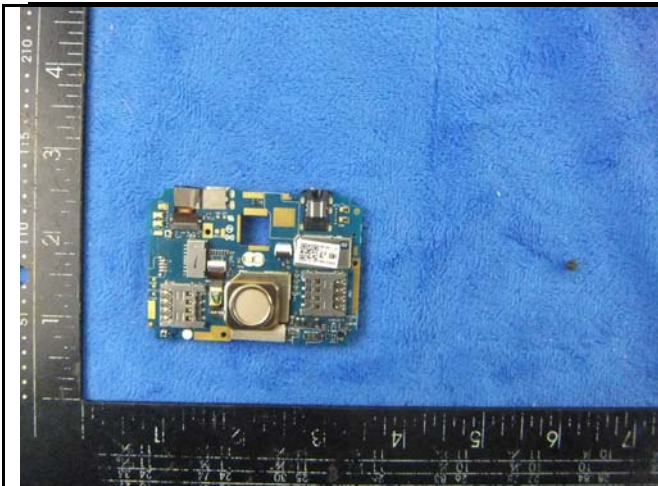


Mainboard with Shielding - Front View

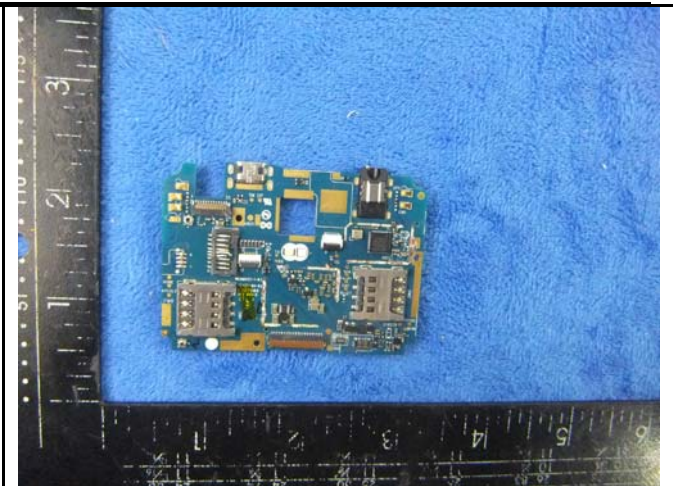


Mainboard without Shielding - Front View





Mainboard with Shielding – Rear View



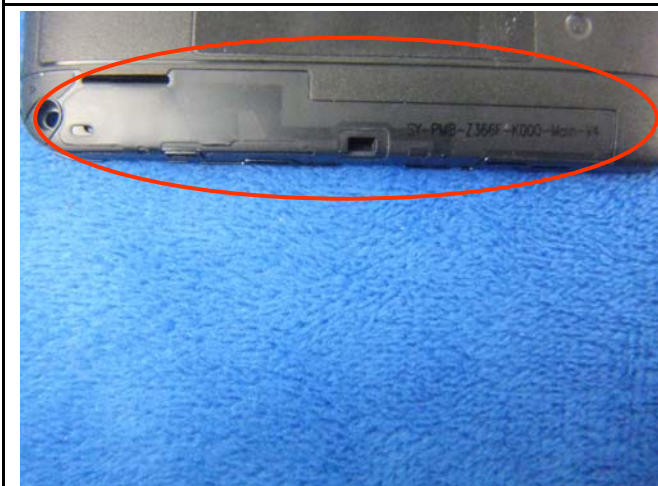
Mainboard without Shielding - Rear View



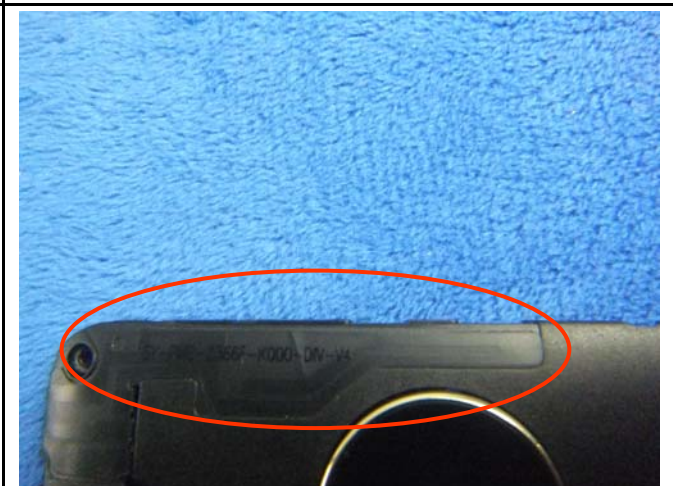
LCD – Front View



LCD – Rear View

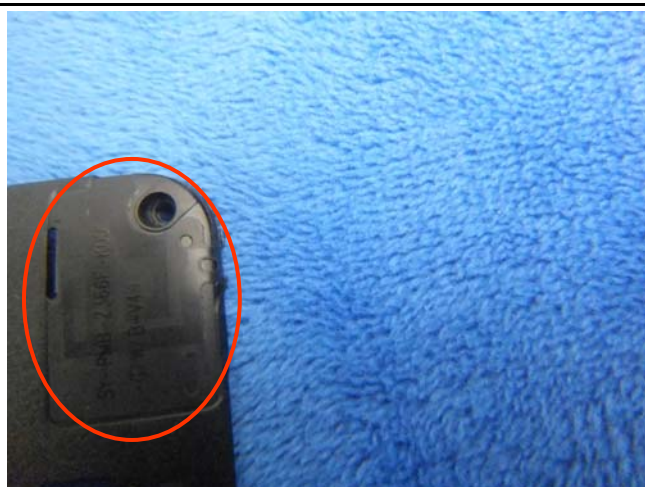


GSM/PCS/UMTS-FDD Antenna View



LTE - Antenna View

Test Report	16071296-FCC-R2
Page	54 of 61



WIFI/BT/BLE/GPS - Antenna View

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



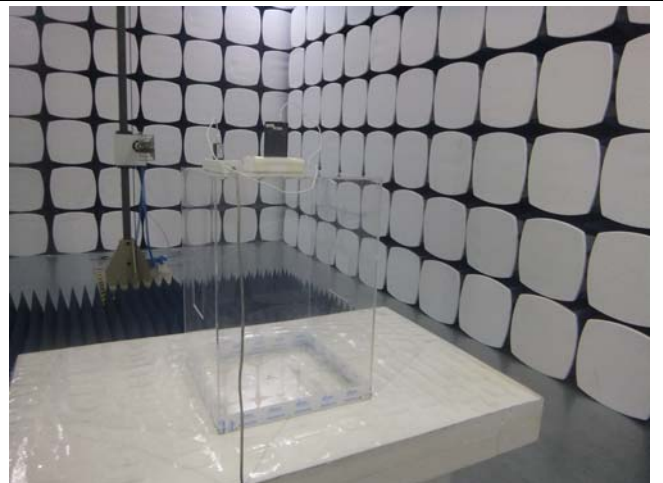
Conducted Emissions Test Setup Front View



Conducted Emissions Test Setup Side View



Radiated Spurious Emissions Test Setup Below 1GHz



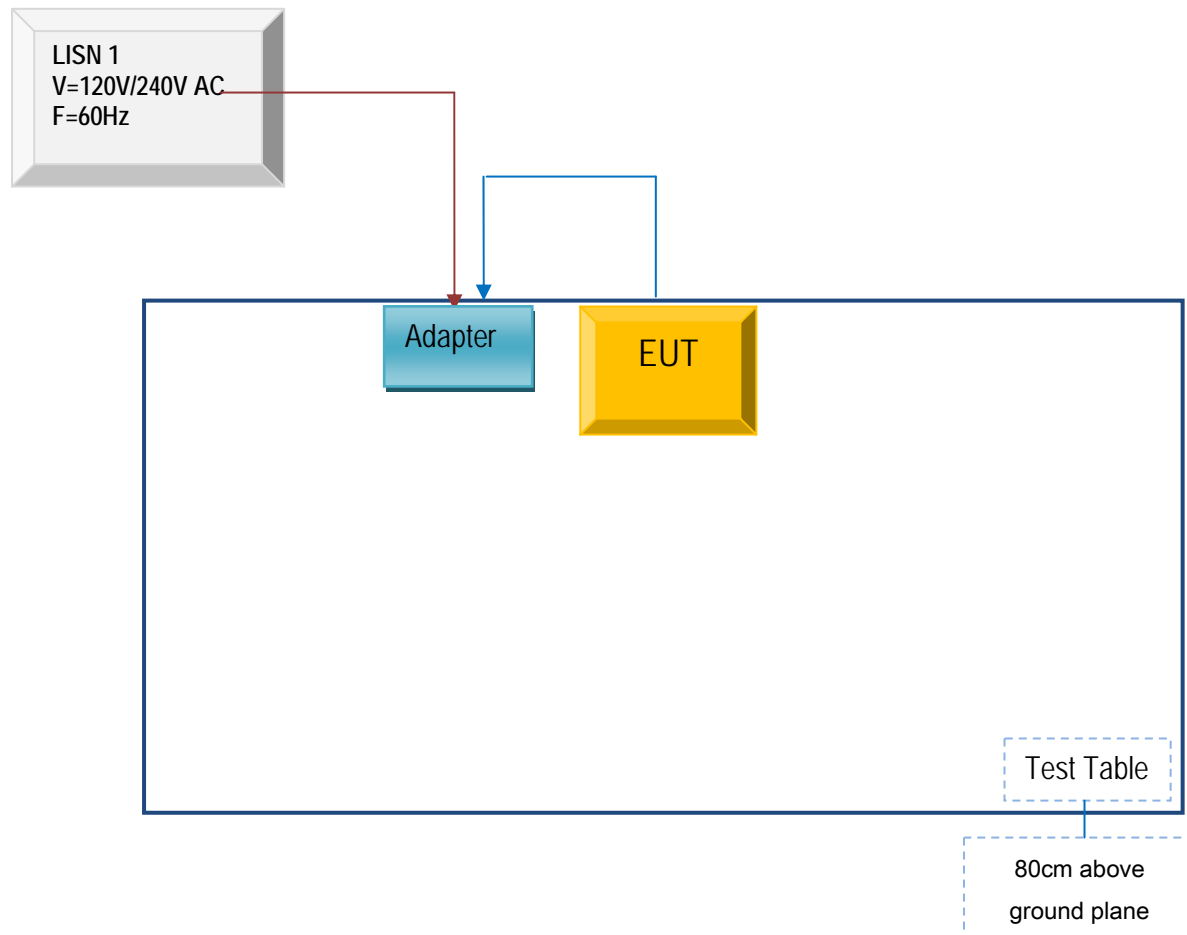
Radiated Spurious Emissions Test Setup Above  
1GHz



## Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

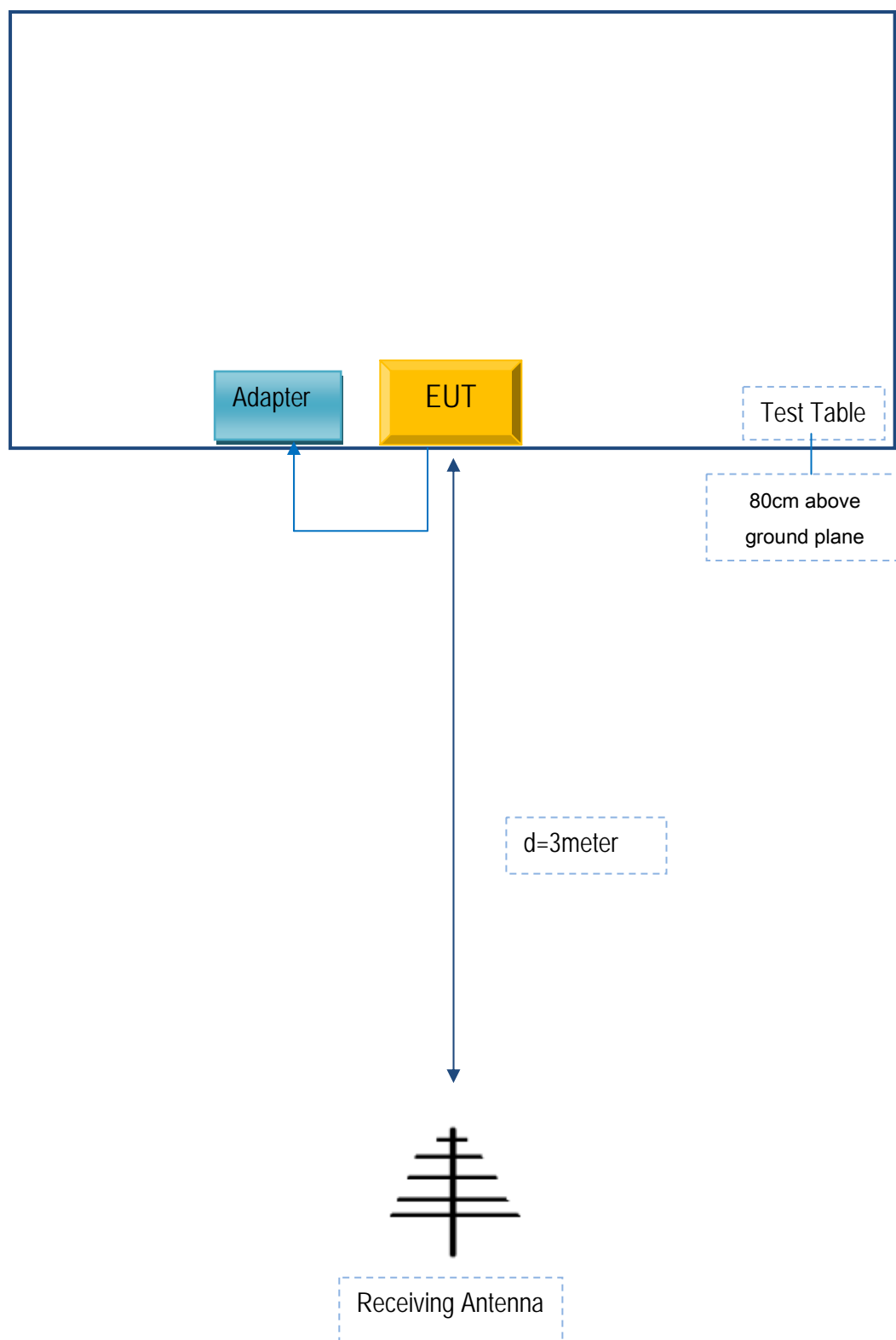
### Annex C.ii. TEST SET UP BLOCK

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

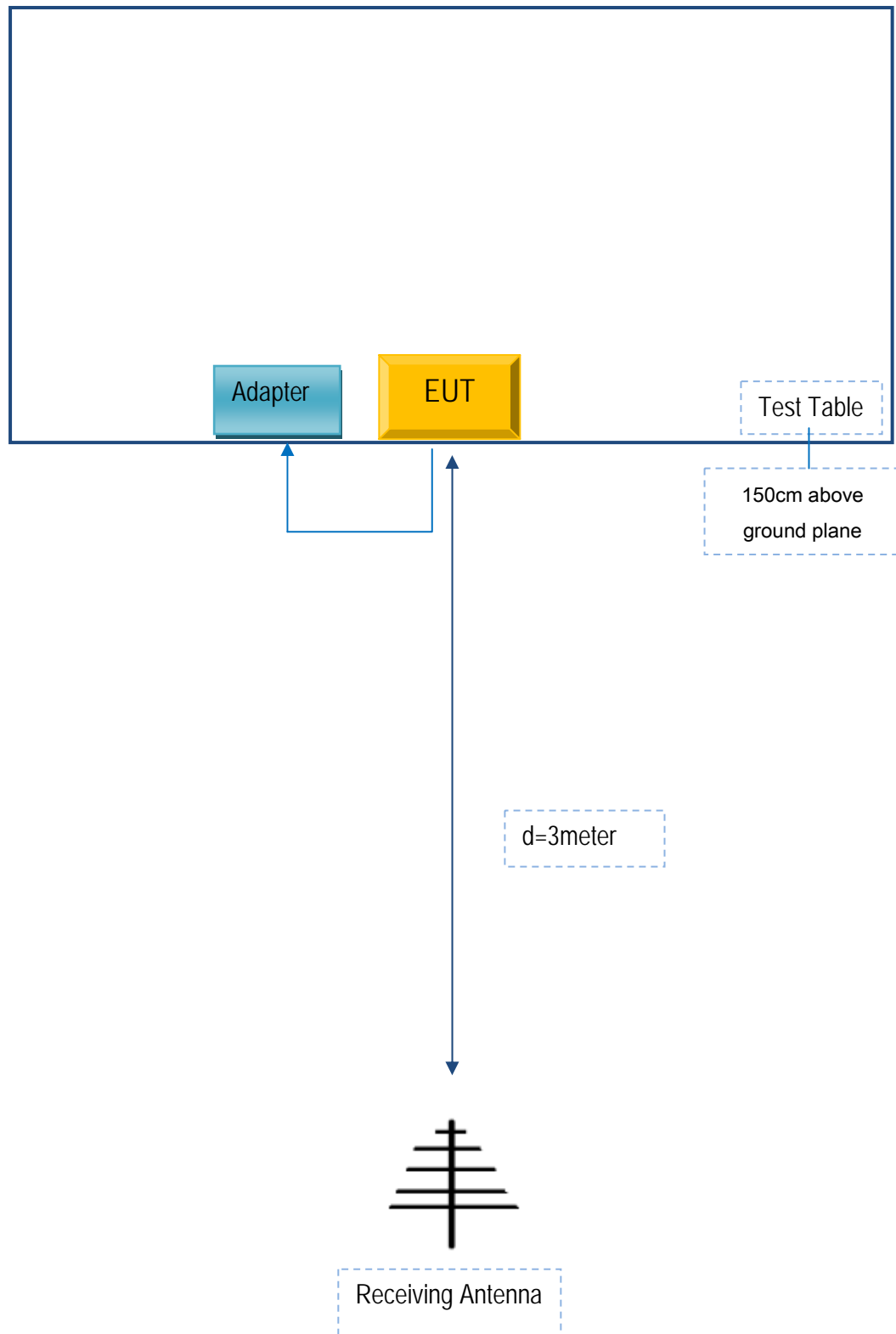




**Block Configuration Diagram for Radiated Emissions ( Below 1GHz ) .**



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



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

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

### **Supporting Equipment:**

Manufacturer	Equipment Description	Model	Serial No
Posh Mobile Limited	Adapter	A88-501500	S0523DF2

### **Supporting Cable:**

Cable type	Shield Type	Ferrite Core	Length	Serial No
USB Cable	Un-shielding	No	0.8m	S0523DF2

Test Report	16071296-FCC-R2
Page	60 of 61

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

Please see the attachment

## Annex E. DECLARATION OF SIMILARITY

### Posh Mobile Limited

To: SIEMIC, 775 Montague Expressway, Milpitas, CA 95035, USA

### Declaration Letter

Dear Sir,

For our business issue and marketing requirement, we would like to list 4 model numbers on the FCC certificates and reports, as following:

Model No.: L551 L551A L551B L551C

We declare that, all the model PCB, Antenna and Appearance shape, accessories are the same.

The difference of these is listed as below:

Main Model No.	Serial Model No.	Difference
L551	L551A L551B L551C	Different model name and color

Thank you!

Signature:

Printed name/title: Warren Chan

Address: 1011A, 10/F., Harbour Centre Tower 1 No.1 Hok Cheung St., Hung Hom, Kowloon, Hong Kong