RF TEST REPORT

Report No.: 16071095-FCC-R2

Supersede Report No.: N/A

Applicant	Jethro Trading LTD.
Product Name	Jethro 3G Senior Flip Cell Phone
Model No.	SC330
Serial No.	N/A
Test Standard	FCC Part 15.247: 2015, ANSI C63.10: 2013
Test Date	November 01 to 15, 2016
Issue Date	November 16, 2016
Test Result	☑ Pass ☐ Fail
Equipment complied with the specification	☑
Equipment did not comply with the specification	☐

Loren Luo	David Huang	
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

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

This page has been left blank intentionally.

CONTENTS

1. Report Revision History

Report No.	Report Version	Description	Issue Date
16071095-FCC-R2	NONE	Original	November 16, 2016

2. Customer information

Applicant Name	Jethro Trading LTD.
Applicant Add	505 - 8840 210TH STREET, #231 Langley, Canada V1M2Y2
Manufacturer	Shenzhen Bayuda Technologies,co.,ltd
Manufacturer Add	Room A433 A Block,Shenzhen Industrial products exibition procurement center the baoyuan road baoan distric

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:	Jethro 3G Senior Flip Cell Phone
Main Model:	SC330
Serial Model:	N/A
Date EUT received:	October 31, 2016
Test Date(s):	November 01 to 15, 2016
Antenna Gain:	GSM850: 0.5dBi PCS1900: 1.0dBi UMTS-FDD Band V:1.2dBi UMTS-FDD Band II: 1.2dBi Bluetooth: 0.5dBi
Type of Modulation:	GSM / GPRS: GMSK EGPRS: GMSK,8PSK UMTS-FDD: QPSK Bluetooth: GFSK, π /4DQPSK, 8DPSK
RF Operating Frequency (ies):	GSM850 TX: 824.2 ~ 848.8 MHz; RX: 869.2 ~ 893.8 MHz PCS1900 TX: 1850.2 ~ 1909.8 MHz; RX: 1930.2 ~ 1989.8 MHz UMTS-FDD Band V TX: 826.4 ~ 846.6 MHz; RX: 871.4 ~ 891.6 MHz UMTS-FDD Band II TX:1852.4 ~ 1907.6 MHz; RX: 1932.4 ~ 1987.6 MHz Bluetooth: 2402-2480 MHz
Equipment Category：	DSS
Number of Channels:	GSM 850: 124CH PCS1900: 299CH UMTS-FDD Band V: 102CH UMTS-FDD Band II: 277CH Bluetooth: 79CH
Port:	Power Port, Earphone Port, USB Port

Antenna Type:	GSM/PCS/UMTS-FDD： PIFA antenna BT：Monopole antenna
Max. Output Power:	3.698dBm
Input Power:	Adapter: Model: HJ-050050-US Input: AC100-240V~50/60Hz,0.15A Output: DC 5.0V—500mA Charging Base: Model:SC330 Input: DC5.0V,500mA Output:DC5.0V,500mA Battery: Model: SC330 Spec: 3.7V 800mAh/2.96Wh Charging limited voltage:4.2V
Trade Name :	Jethro
GPRS/EGPRS Multi-slot class	8/10/12
FCC ID:	2AAWJSC330

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 2 antennas:
A permanently attached PIFA antenna for Bluetooth, the gain is 0.5dBi for Bluetooth,
A permanently attached PIFA antenna for GSM/PCS/UMTS, the gain is 0.5dBi for GSM850, 1.0dBi for PCS1900, 1.2dBi for UMTS-FDD Band V/Band II

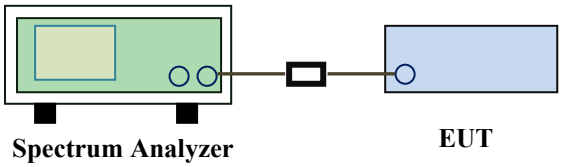
The antenna meets up with the ANTENNA REQUIREMENT.

Result: Compliance.

6.2 Channel Separation

Temperature	24℃
Relative Humidity	59%
Atmospheric Pressure	1007mbar
Test date :	November 07, 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			
Test Procedure	The test follows FCC Public Notice DA 00-705 Measurement Guidelines. Use the following spectrum analyzer settings: - The EUT must have its hopping function enabled - Span = wide enough to capture the peaks of two adjacent channels - Resolution (or IF) Bandwidth (RBW) ≥ 1% of the span - Video (or Average) Bandwidth (VBW) ≥ RBW - Sweep = auto - Detector function = peak - Trace = max hold - 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.		
Remark			
Result	☑ Pass ☐ Fail		

Test Data ☑ Yes ☐ N/A

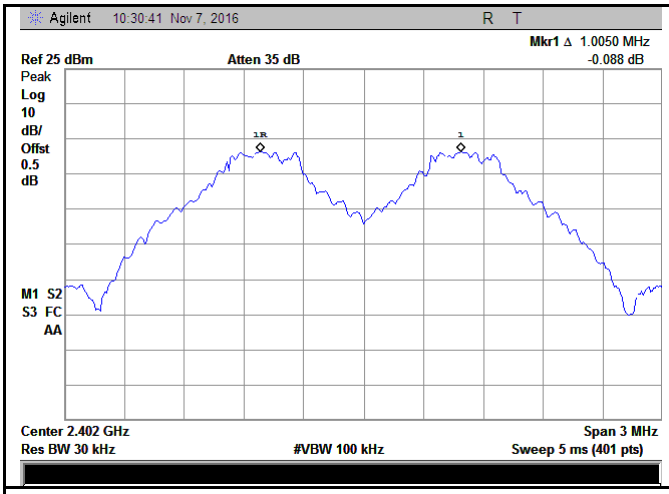
Test Plot ☑ Yes (See below) ☐ N/A

Channel Separation measurement result

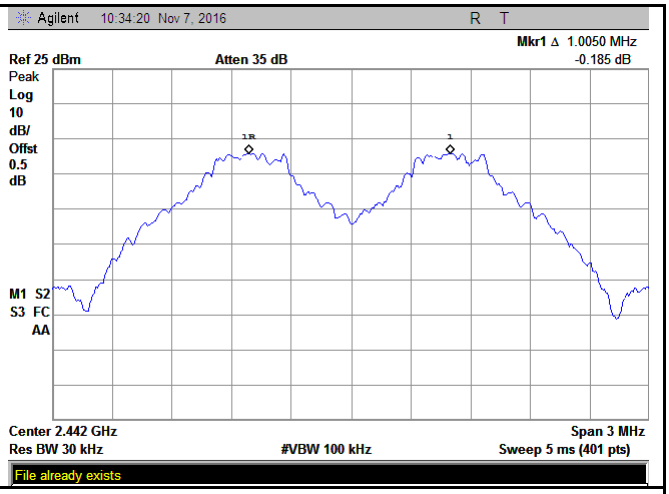
Type/ Modulation	CH	CH Frequency (MHz)	CH Separation (MHz)	Limit (MHz)	Result
CH Separation GFSK	Low Channel	2402	1.005	0.987	Pass
	Adjacency Channel	2403			
	Mid Channel	2440	1.005	0.686	Pass
	Adjacency Channel	2441			
	High Channel	2480	1.005	0.682	Pass
	Adjacency Channel	2479			
CH Separation π /4 DQPSK	Low Channel	2402	1.005	0.868	Pass
	Adjacency Channel	2403			
	Mid Channel	2440	1.005	0.866	Pass
	Adjacency Channel	2441			
	High Channel	2480	1.005	0.862	Pass
	Adjacency Channel	2479			
CH Separation 8DPSK	Low Channel	2402	1.005	0.864	Pass
	Adjacency Channel	2403			
	Mid Channel	2440	1.005	0.862	Pass
	Adjacency Channel	2441			
	High Channel	2480	1.005	0.873	Pass
	Adjacency Channel	2479			

Test Plots

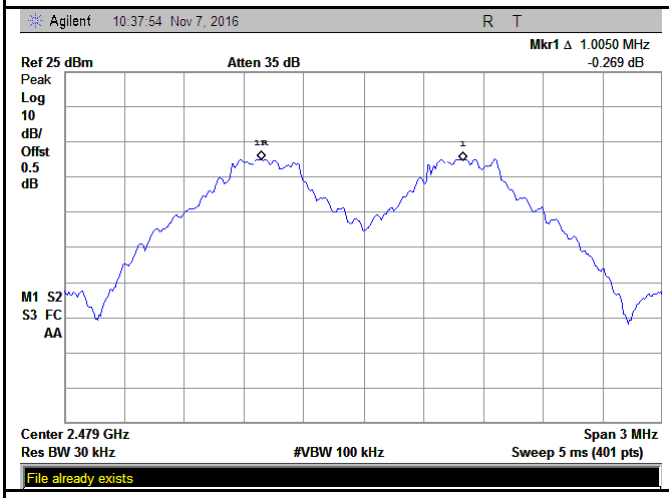
Channel Separation measurement result



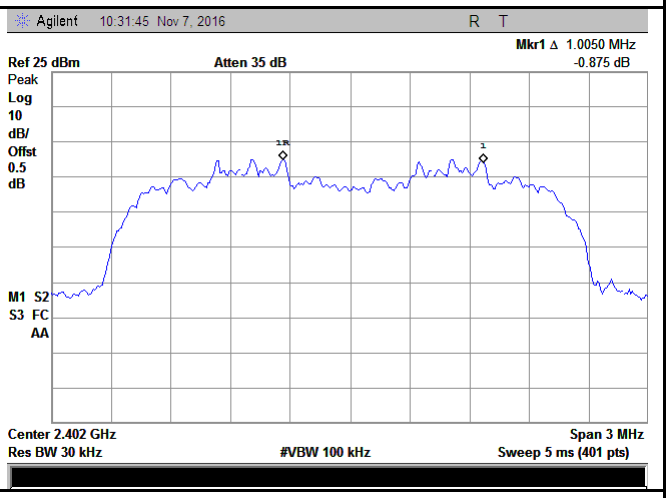
GFSK - Low Channel



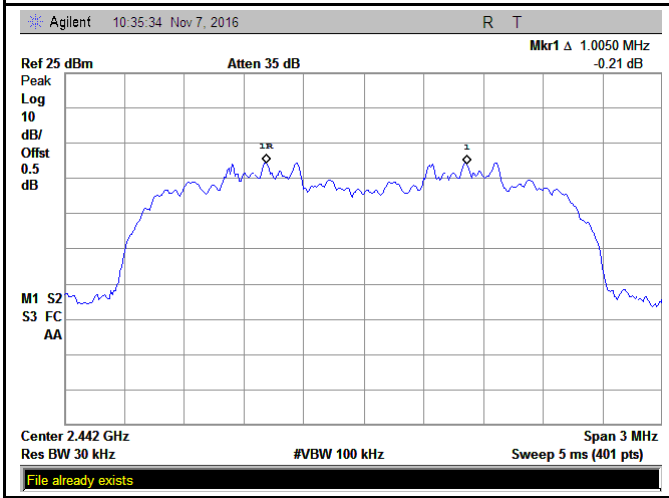
GFSK - Middle Channel



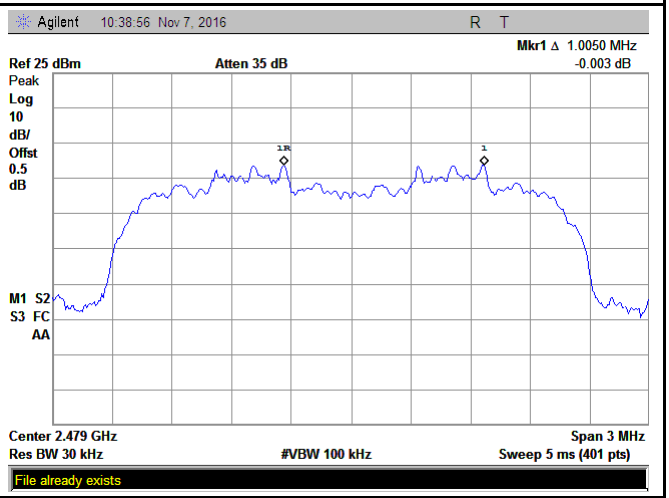
GFSK - High Channel



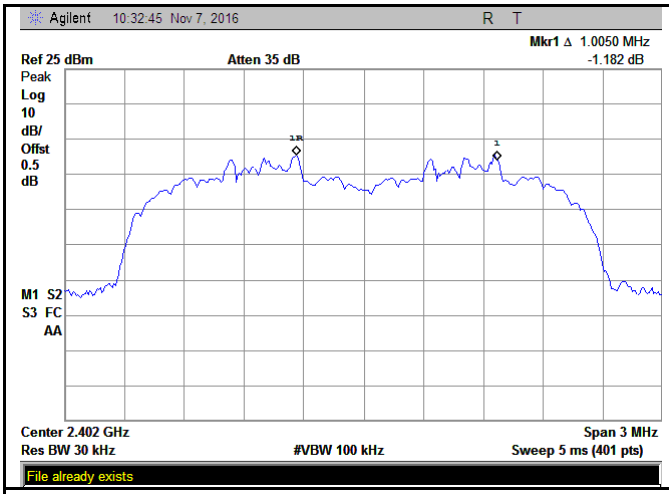
π /4 DPSK - Low Channel



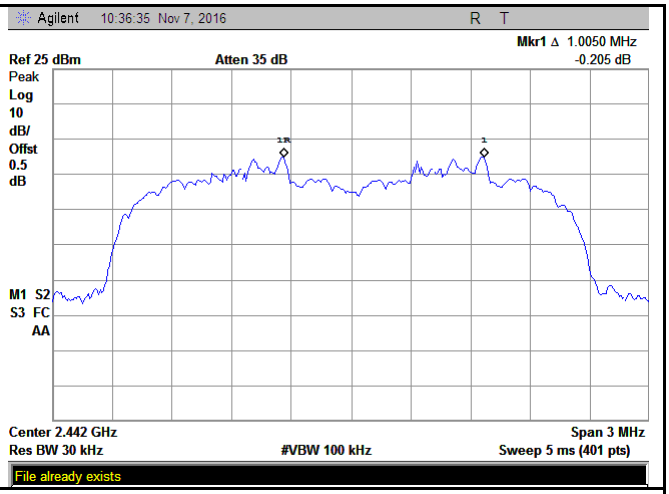
π /4 DQPSK - Middle Channel



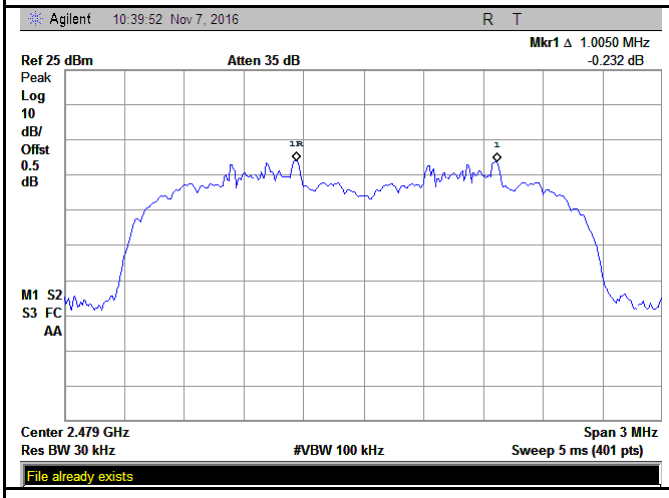
π /4 DQPSK - High Channel



8DPSK - Low Channel



8DPSK - Middle Channel

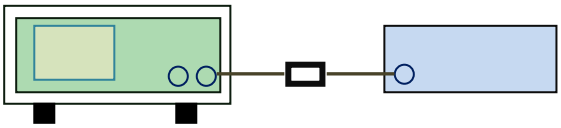


8DPSK - High Channel

6.3 20dB Bandwidth

Temperature	24℃
Relative Humidity	59%
Atmospheric Pressure	1007mbar
Test date :	November 07, 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.	☑
Test Setup			
Test Procedure	The test follows FCC Public Notice DA 00-705 Measurement Guidelines. Use the following spectrum analyzer settings: - Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel - RBW ≥ 1% of the 20 dB bandwidth - VBW ≥ RBW - Sweep = auto - Detector function = peak - Trace = max hold. - 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 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	☑ Pass ☐ Fail

Test Data ☑ Yes ☐ N/A

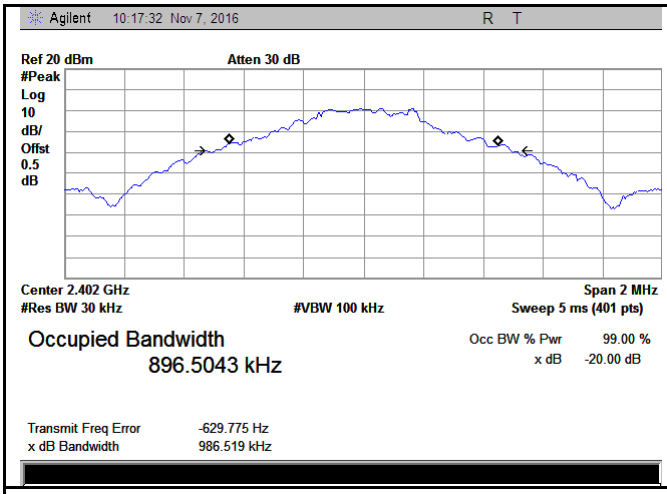
Test Plot ☑ Yes (See below) ☐ N/A

Measurement result

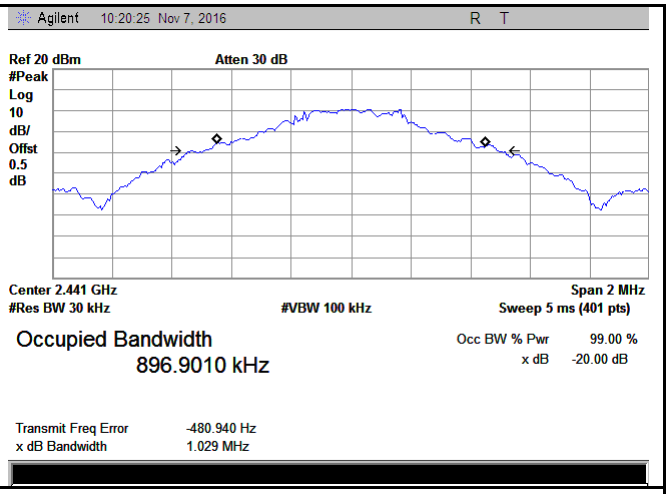
Modulation	CH	CH Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
GFSK	Low	2402	0.987	0.8965
	Mid	2441	1.029	0.8969
	High	2480	1.023	0.8903
π /4 DQPSK	Low	2402	1.302	1.1830
	Mid	2441	1.299	1.1766
	High	2480	1.293	1.1756
8-DPSK	Low	2402	1.296	1.1821
	Mid	2441	1.293	1.1751
	High	2480	1.310	1.1885

Test Plots

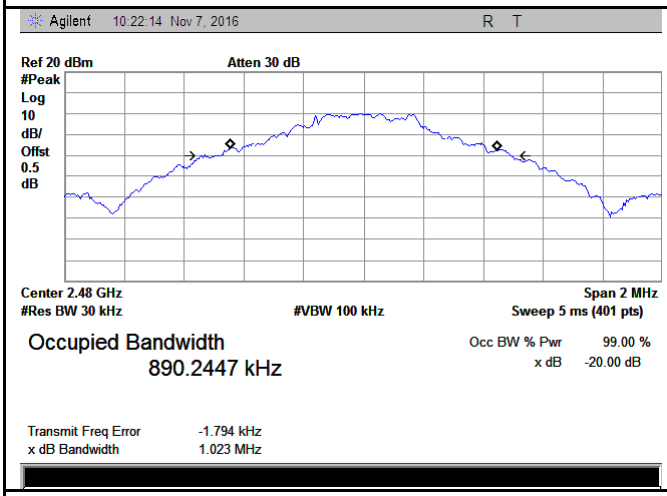
20dB Bandwidth measurement result



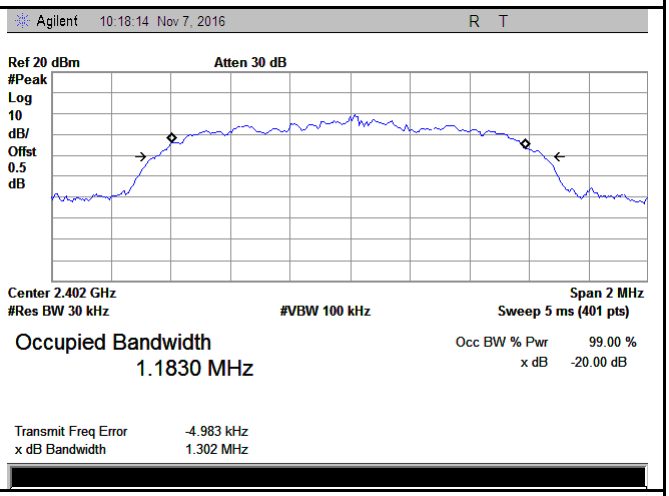
GFSK - Low Channel



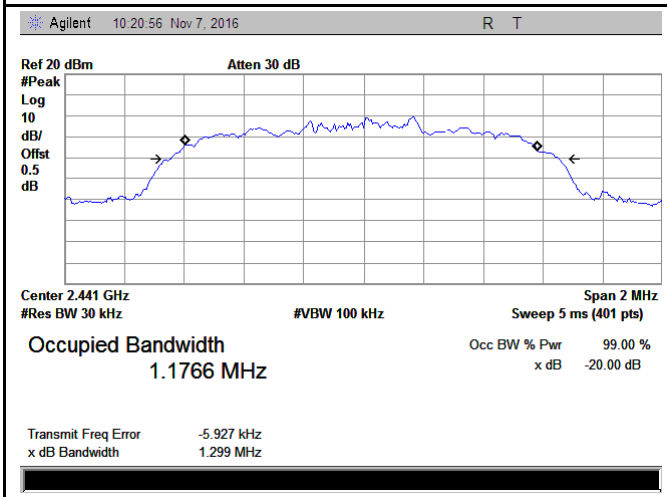
GFSK - Middle Channel



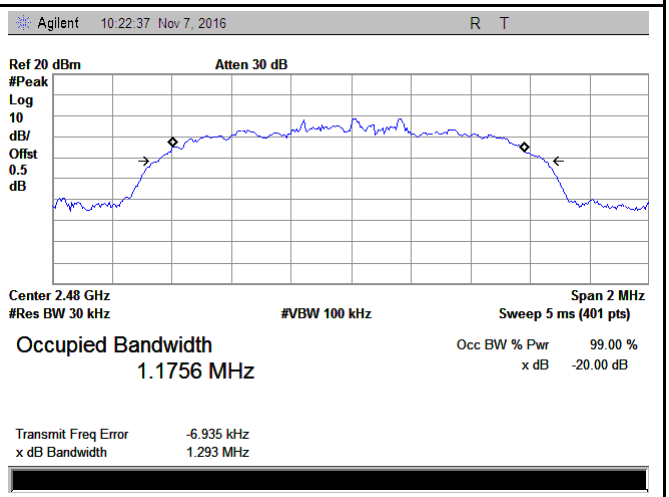
GFSK - High Channel



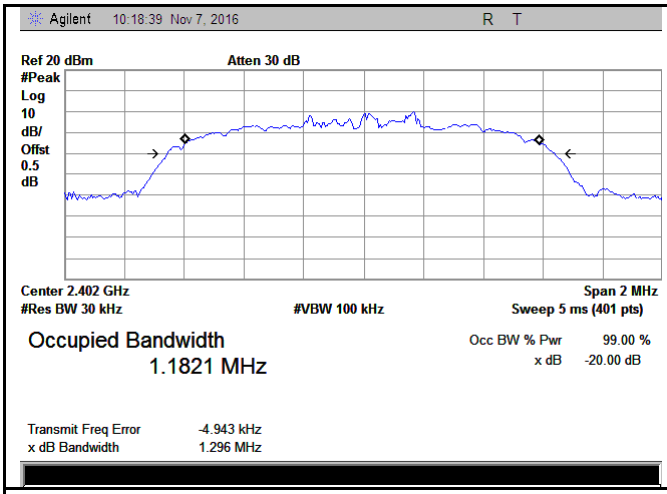
π /4 DPSK - Low Channel



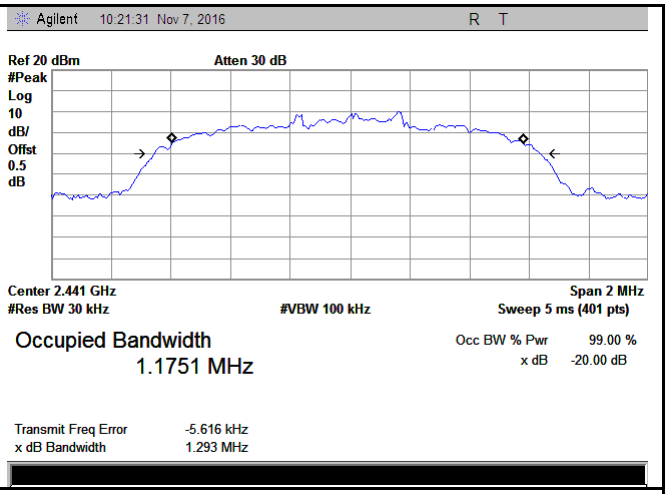
π /4 DQPSK - Middle Channel



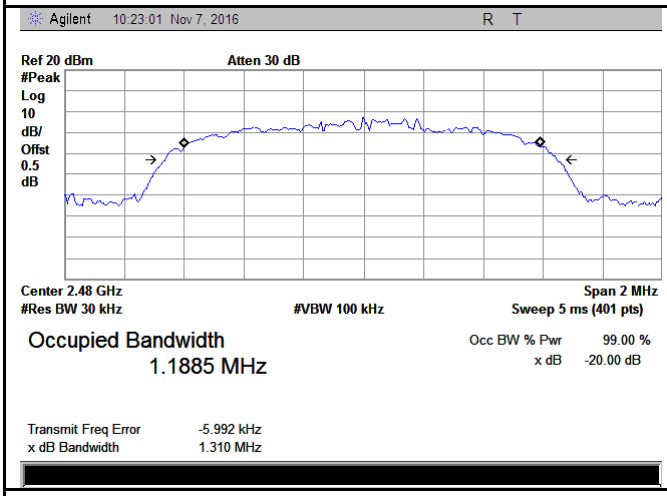
π /4 DQPSK - High Channel



8DPSK - Low Channel



8DPSK - Middle Channel

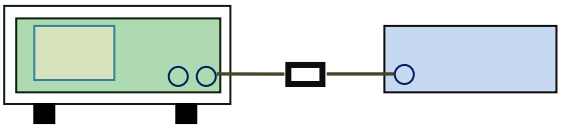


8DPSK - High Channel

6.4 Peak Output Power

Temperature	23℃
Relative Humidity	52%
Atmospheric Pressure	1010mbar
Test date :	November 10, 2016
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable
§15.247(b)(3)	a)	FHSS in 2400-2483.5MHz with ≥ 75 channels: ≤ 1 Watt	☑
	b)	FHSS in 5725-5850MHz: ≤ 1 Watt	☐
	c)	For all other FHSS in the 2400-2483.5MHz band: ≤ 0.125 Watt.	☑
	d)	FHSS in 902-928MHz with ≥ 50 channels: ≤ 1 Watt	☐
	e)	FHSS in 902-928MHz with ≥ 25 & <50 channels: ≤ 0.25 Watt	☐
	f)	DTS in 902-928MHz, 2400-2483.5MHz: ≤ 1 Watt	☐
Test Setup			
Test Procedure	The test follows FCC Public Notice DA 00-705 Measurement Guidelines. Use the following spectrum analyzer settings: - Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel - RBW > the 20 dB bandwidth of the emission being measured - VBW ≥ RBW - Sweep = auto - Detector function = peak - Trace = max hold - Allow the trace to stabilize. - 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.
Remark	
Result	☑ Pass ☐ Fail

Test Data ☑ Yes ☐ N/A

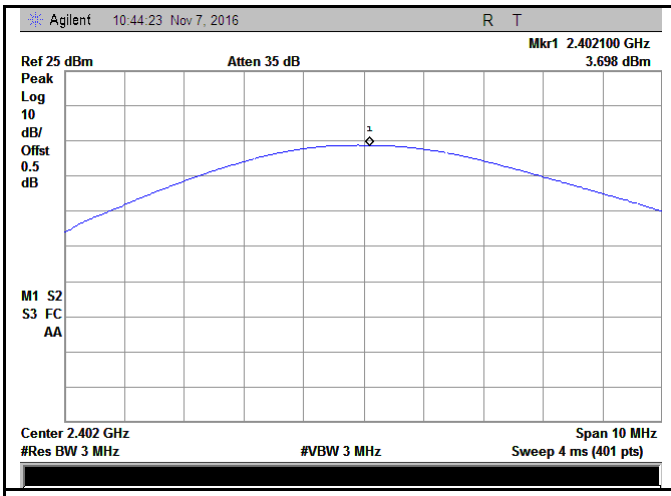
Test Plot ☑ Yes (See below) ☐ N/A

Peak Output Power measurement result

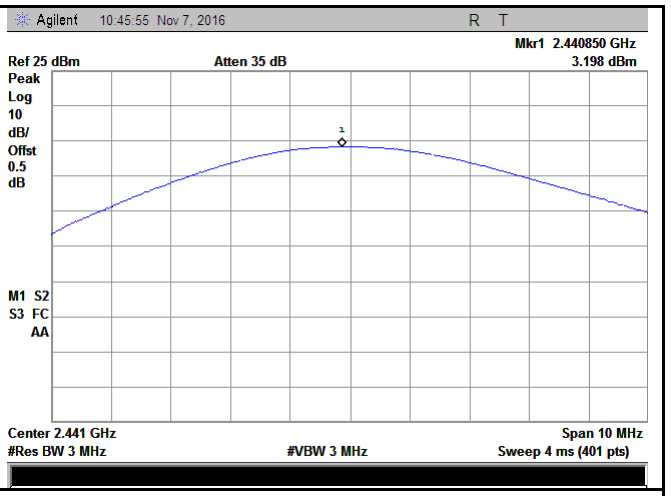
Type	Modulation	CH	Frequency (MHz)	Conducted Power (dBm)	Limit (mW)	Result
Output power	GFSK	Low	2402	3.698	1000	Pass
		Mid	2441	3.198	125	Pass
		High	2480	2.424	125	Pass
	π /4 DQPSK	Low	2402	3.441	125	Pass
		Mid	2441	2.913	125	Pass
		High	2480	2.208	125	Pass
	8-DPSK	Low	2402	3.480	125	Pass
		Mid	2441	3.077	125	Pass
		High	2480	2.365	125	Pass

Test Plots

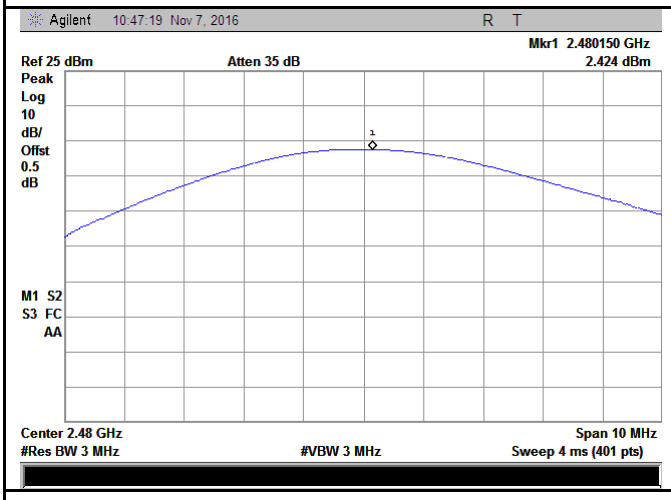
Output Power measurement result



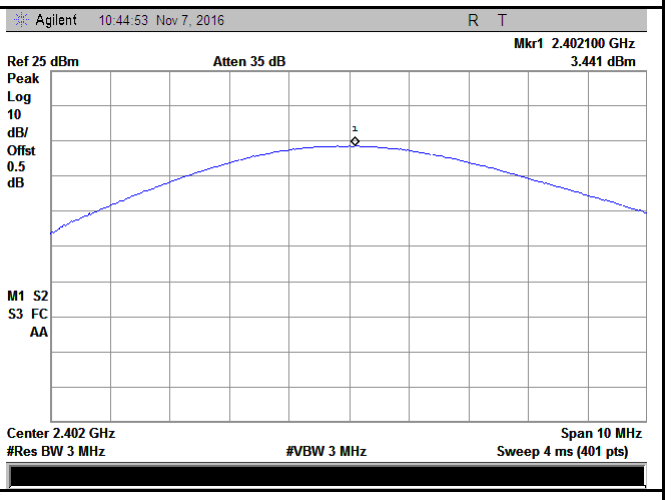
GFSK Output power - Low CH 2402



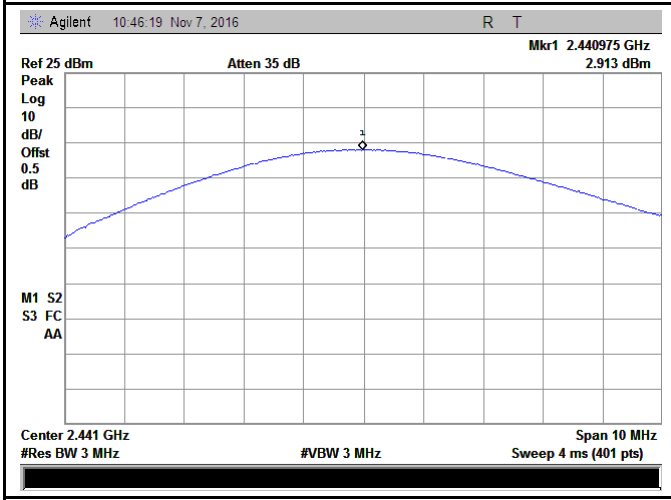
GFSK Output power - Mid CH 2441



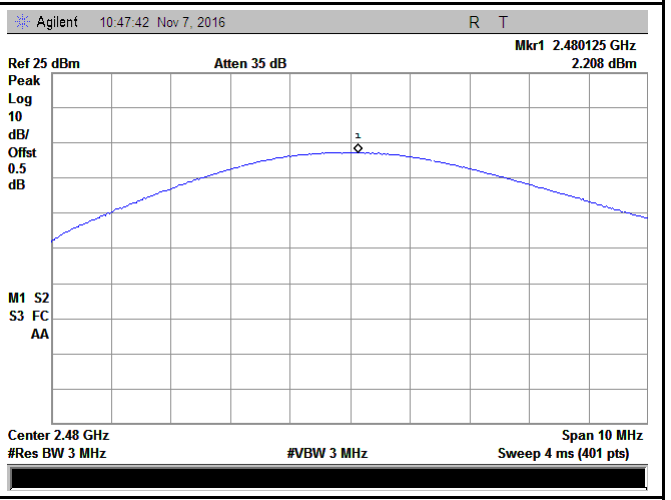
GFSK Output power - High CH 2480



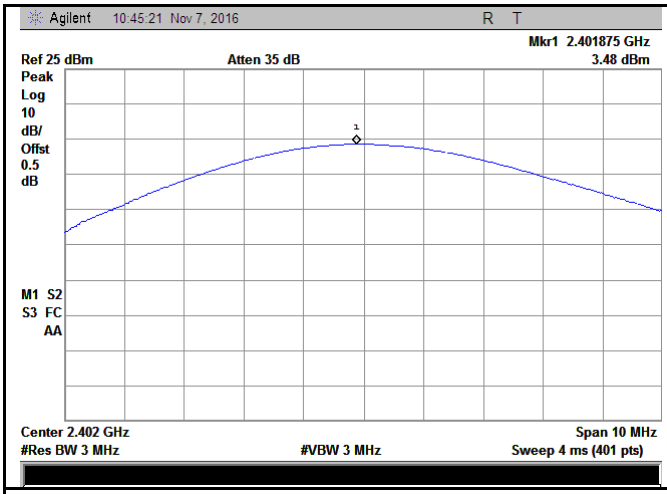
π /4 DQPSK Output power - Low CH 2402



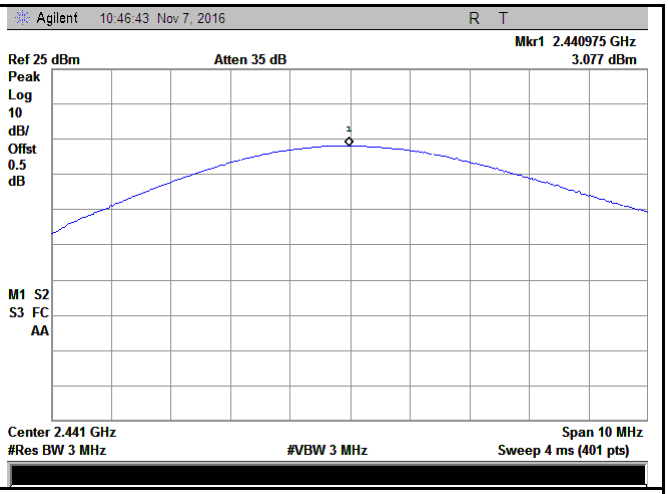
π /4 DQPSK Output power - Mid CH 2441



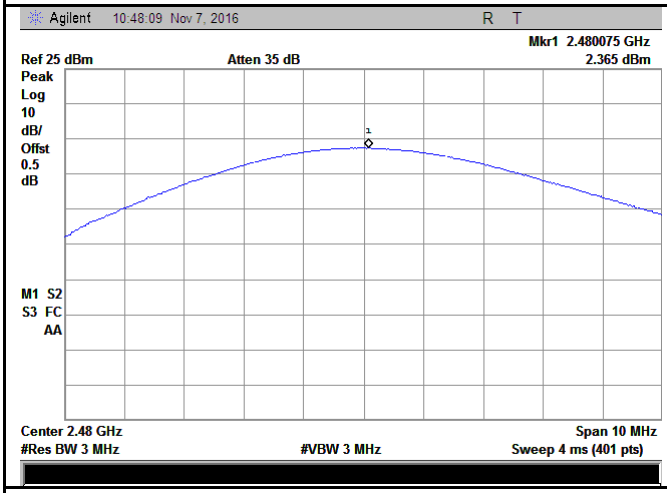
π /4 DQPSK Output power - High CH 2480



8DPSK Output power - Low CH 2402



8DPSK Output power - Mid CH 2441

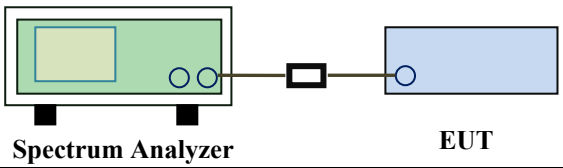


8DPSK Output power - High CH 2480

6.5 Number of Hopping Channel

Temperature	24℃
Relative Humidity	59%
Atmospheric Pressure	1007mbar
Test date :	November 07, 2016
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable
§15.247(a)(1)(iii)	a)	FHSS in 2400-2483.5MHz ≥ 15 channels	☑
Test Setup			
Test Procedure	The test follows FCC Public Notice DA 00-705 Measurement Guidelines. Use the following spectrum analyzer settings: The EUT must have its hopping function enabled. - Span = the frequency band of operation - RBW ≥ 1% of the span - VBW ≥ RBW - Sweep = auto - Detector function = peak - Trace = max hold - Allow trace to fully stabilize. - 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).		
Remark			
Result	☑ Pass	☐ Fail	

Test Data ☑ Yes ☐ N/A

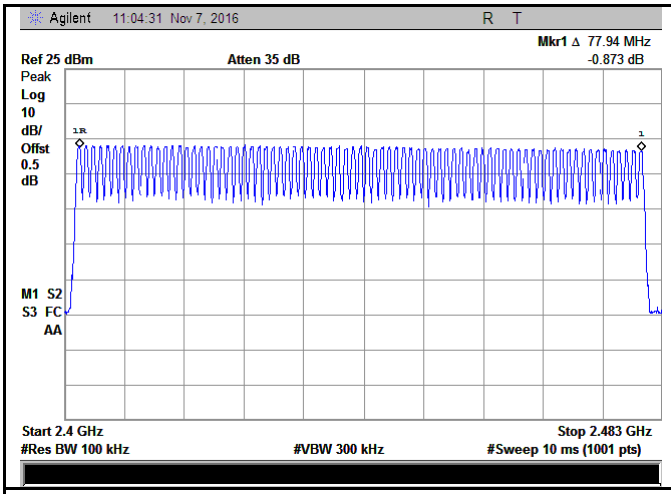
Test Plot ☑ Yes (See below) ☐ N/A

Number of Hopping Channel measurement result

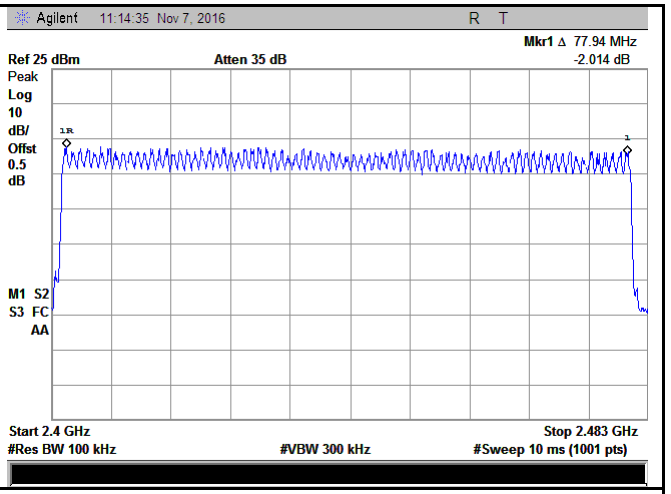
Type	Modulation	Frequency Range	Number of Hopping Channel	Limit
Number of Hopping Channel	GFSK	2400-2483.5	79	15
	π /4 DQPSK	2400-2483.5	79	15
	8-DPSK	2400-2483.5	79	15

Test Plots

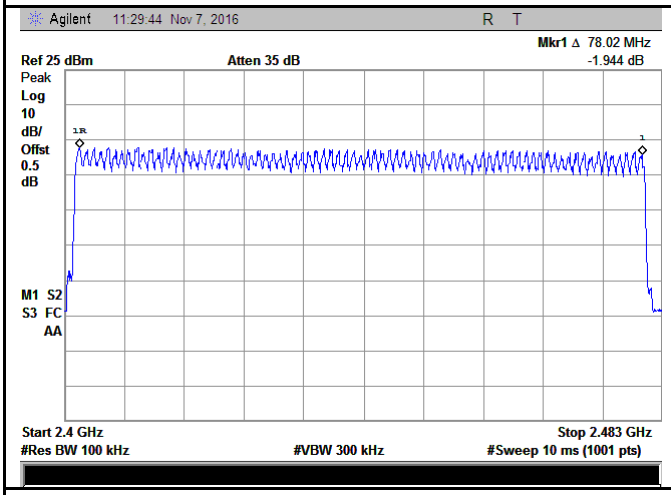
Number of Hopping Channels measurement result



GFSK



π /4DQPSK

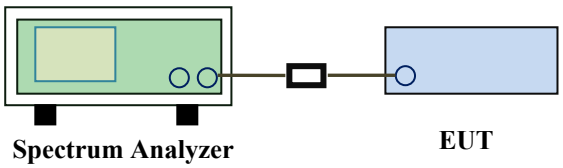


8DPSK

6.6 Time of Occupancy (Dwell Time)

Temperature	23℃
Relative Humidity	52%
Atmospheric Pressure	1010mbar
Test date :	November 10, 2016
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable
§15.247(a)(1)(iii)	a)	Dwell Time < 0.4s	☑
Test Setup			
Test Procedure	The test follows FCC Public Notice DA 00-705 Measurement Guidelines. Use the following spectrum analyzer - Span = zero span, centered on a hopping channel - RBW = 1 MHz - VBW ≥ RBW - Sweep = as necessary to capture the entire dwell time per hopping channel - Detector function = peak - Trace = max hold - use the marker-delta function to determine the dwell time		
Remark			
Result	☑ Pass ☐ Fail		

Test Data ☑ Yes ☐ N/A

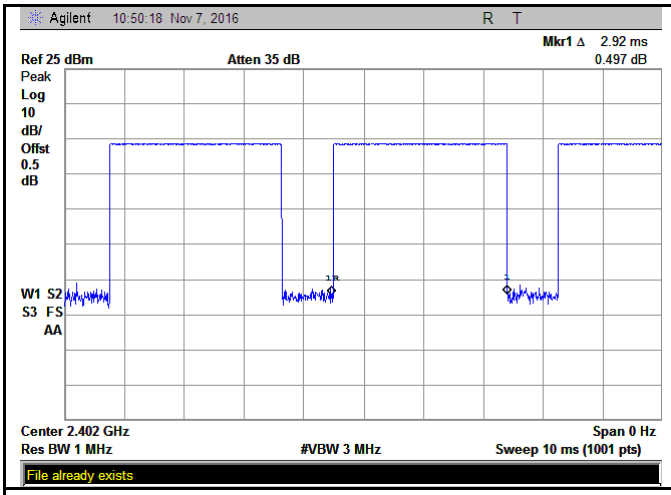
Test Plot ☑ Yes (See below) ☐ N/A

Dwell Time measurement result

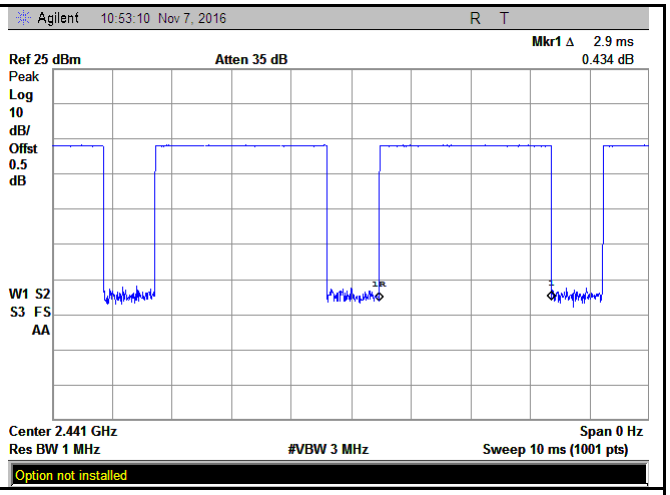
Type	Modulation	CH	Pulse Width (ms)	Dwell Time (ms)	Limit (ms)	Result
Dwell Time	GFSK	Low	2.92	311.467	400	Pass
		Mid	2.90	309.333	400	Pass
		High	2.92	311.467	400	Pass
	π /4 DQPSK	Low	2.91	310.400	400	Pass
		Mid	2.91	310.400	400	Pass
		High	2.91	310.400	400	Pass
	8-DPSK	Low	2.92	311.467	400	Pass
		Mid	2.90	309.333	400	Pass
		High	2.92	311.467	400	Pass
Note: Dwell time=Pulse Time (ms) × (1600 ÷ 6 ÷ 79) ×31.6						

Test Plots

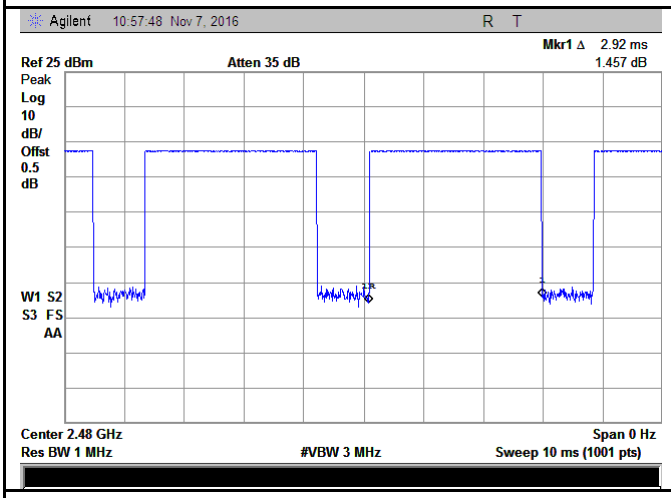
Dwell Time measurement result



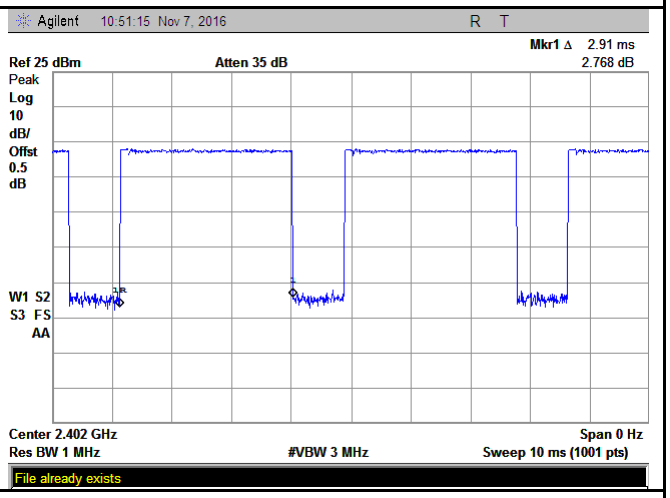
GFSK - Low CH 2402



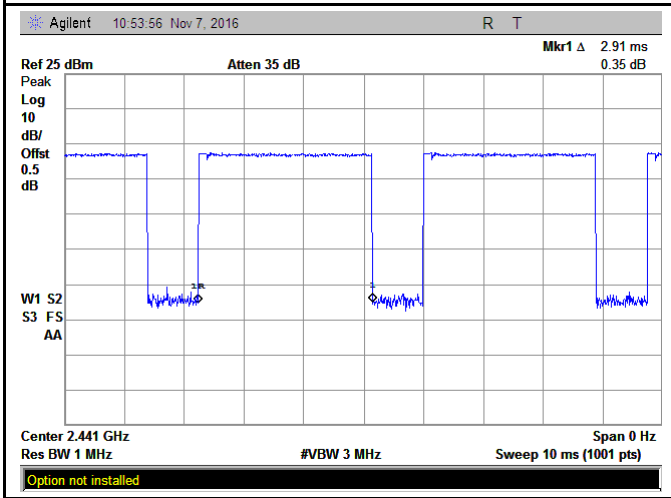
GFSK - Mid CH 2441



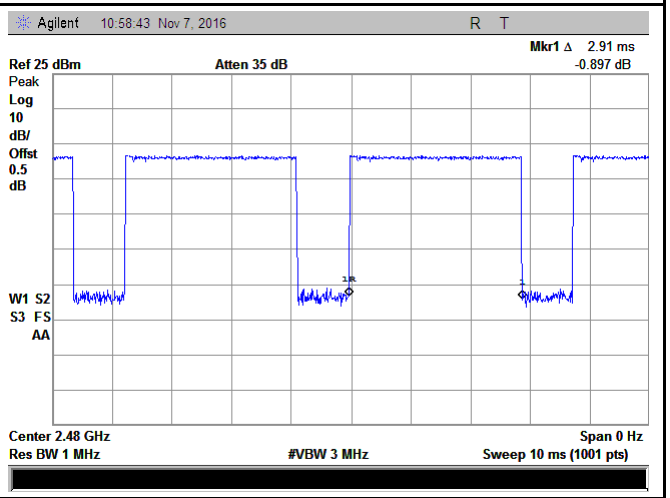
GFDK - High CH 2480



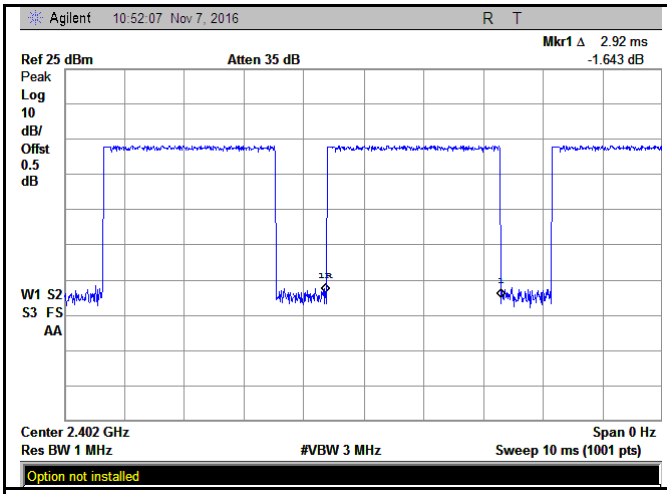
π /4 DQPSK - Low CH 2402



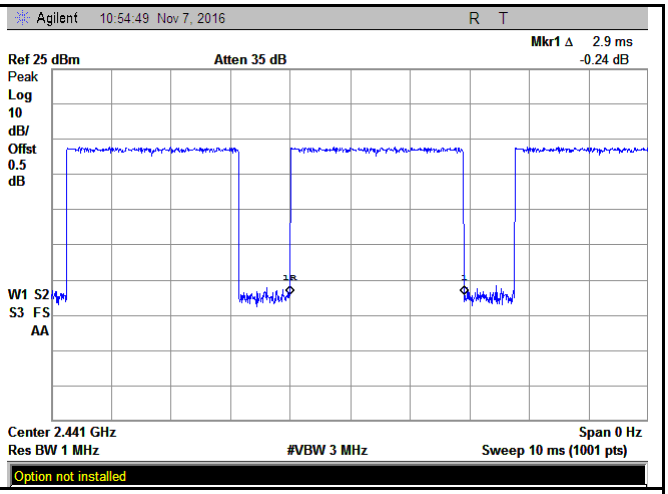
π /4 DQPSK - Mid CH 2441



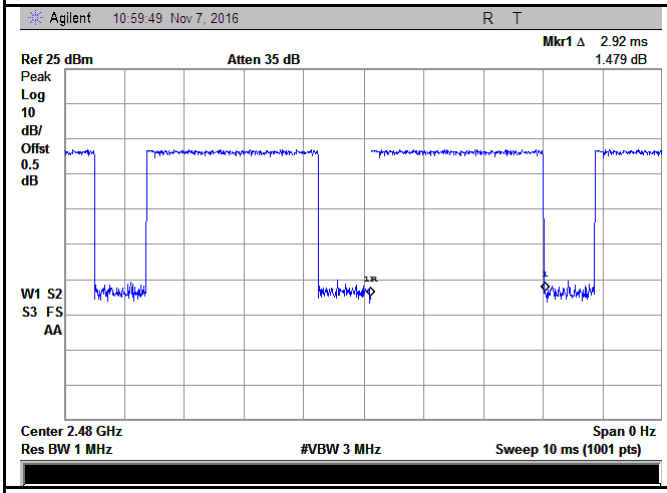
π /4 DQPSK - High CH 2480



8DPSK - Low CH 2402



8DPSK - Mid CH 2441

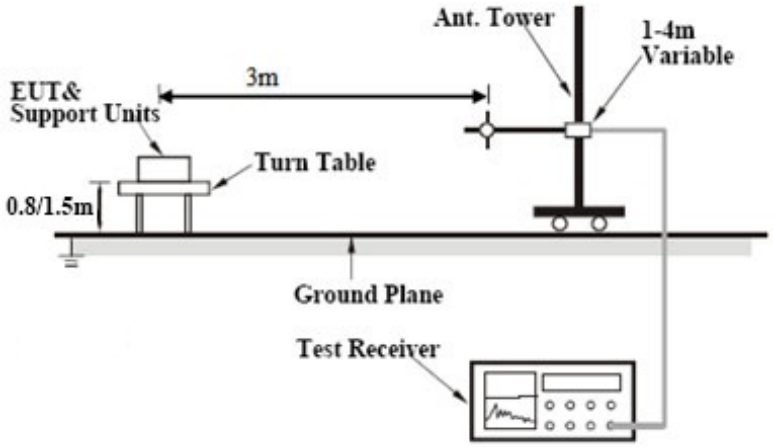


8DPSK - High CH 2480

6.7 Band Edge & Restricted Band

Temperature	24℃
Relative Humidity	57%
Atmospheric Pressure	1015mbar
Test date :	November 15, 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.	☑
Test Setup			
Test Procedure	The test follows FCC Public Notice DA 00-705 Measurement Guidelines. Radiated Method Only - 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator. - 2. Position the EUT without connection to measurement instrument. Put it on the Rotated table and turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range. - 3. First, set both RBW and VBW of spectrum analyzer to 100 kHz with a		

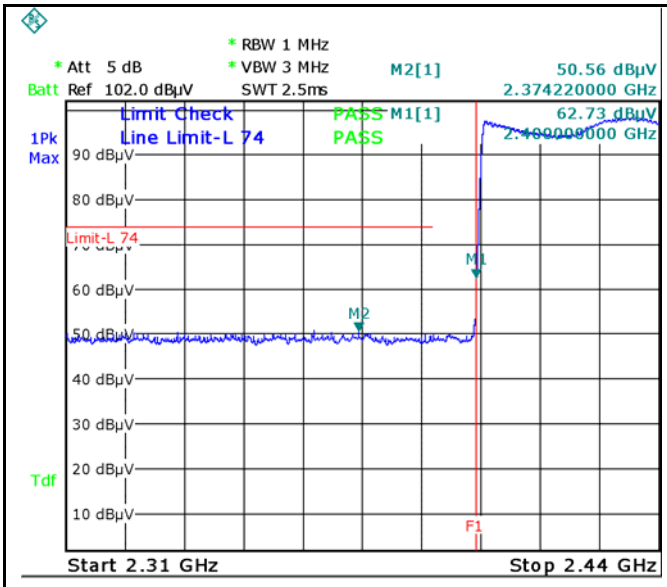
	convenient frequency span including 100kHz bandwidth from band edge, check the emission of EUT, if pass then set Spectrum Analyzer as below: a. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz. b. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz with Peak detection for Peak measurement at frequency above 1GHz. 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. - 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. - 5. Repeat above procedures until all measured frequencies were complete.
Remark	
Result	☑ Pass ☐ Fail

Test Data ☐ Yes ☑ N/A

Test Plot ☑ Yes (See below) ☐ N/A

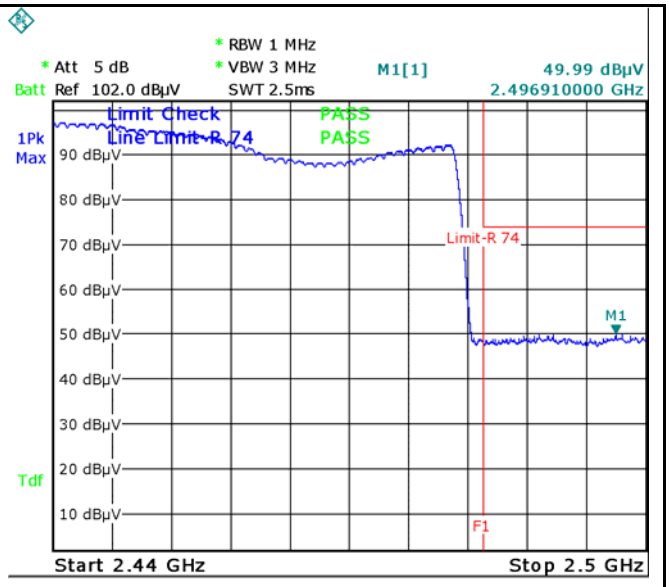
Test Plots

GFSK Mode:



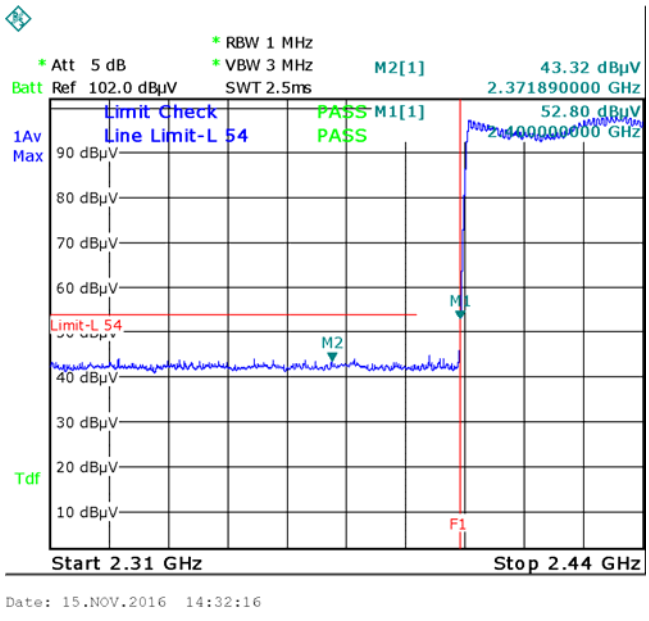
GFSK-Hopping Left Side-PK

Note: F1 is frequency 2400MHz



GFSK-Hopping Right Side-PK

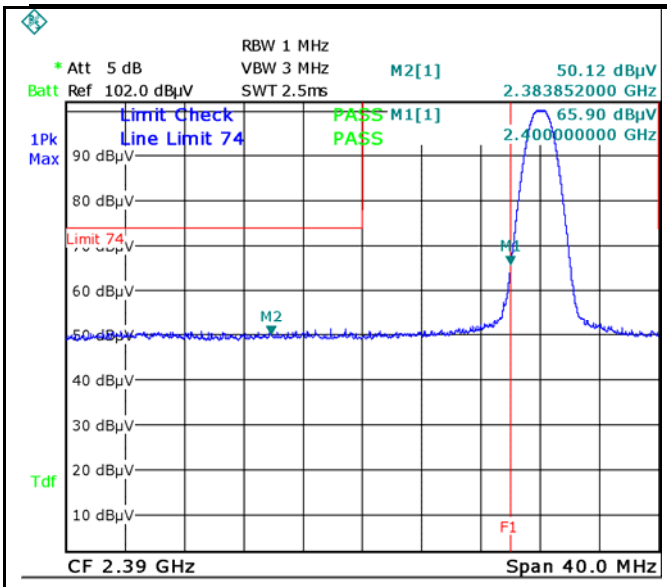
Note: F1 is frequency 2483.5MHz



GFSK-Hopping Left Side-AV

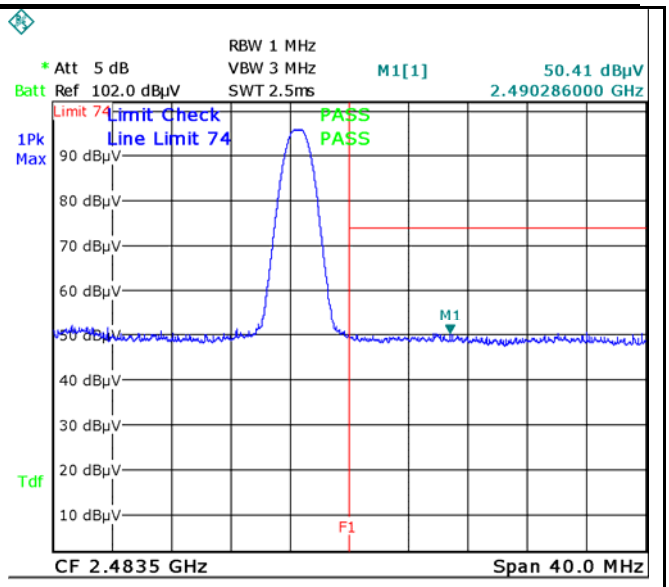
Note: (no need if PK value less than the AV limit)

GFSK-Hopping Right Side-AV



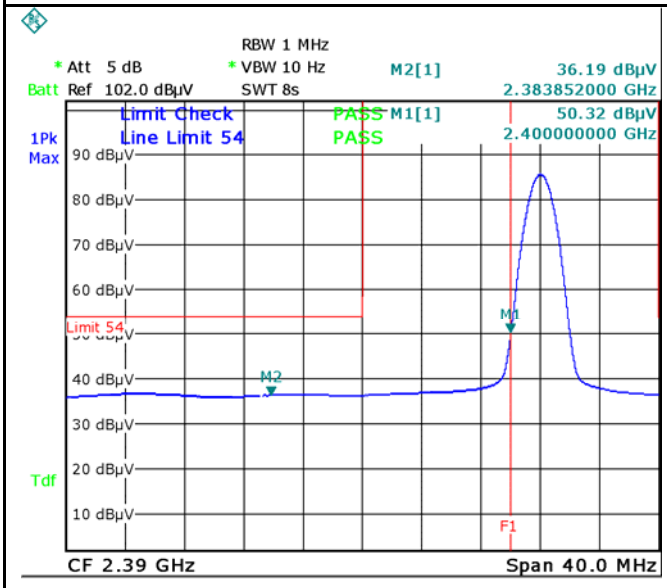
GFSK-Left Side-PK

Note: F1 is frequency 2400MHz



GFSK-Right Side-PK

Note: F1 is frequency 2483.5MHz

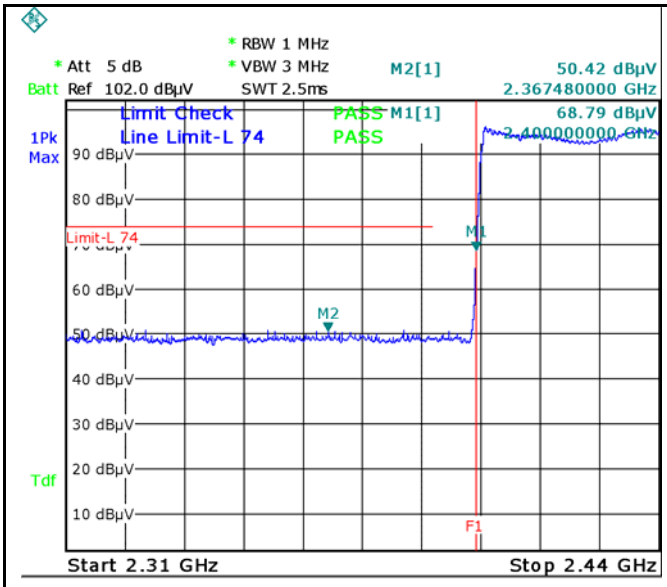


GFSK-Left Side-AV

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

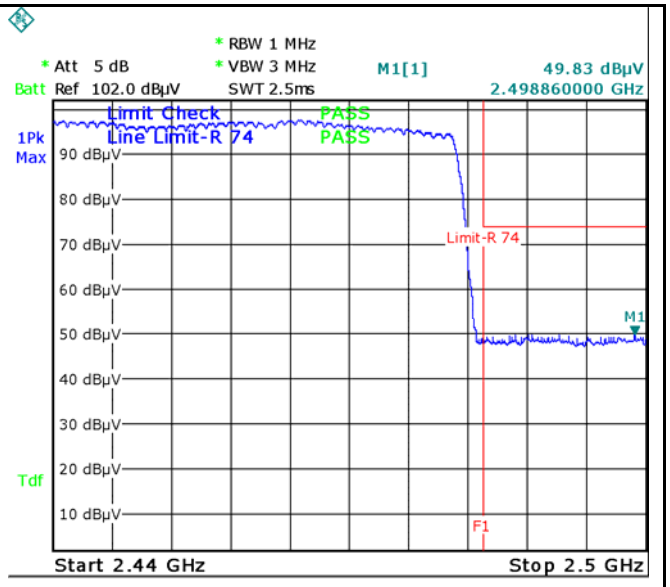
GFSK-Right Side-AV

π /4 DQPSK Mode:



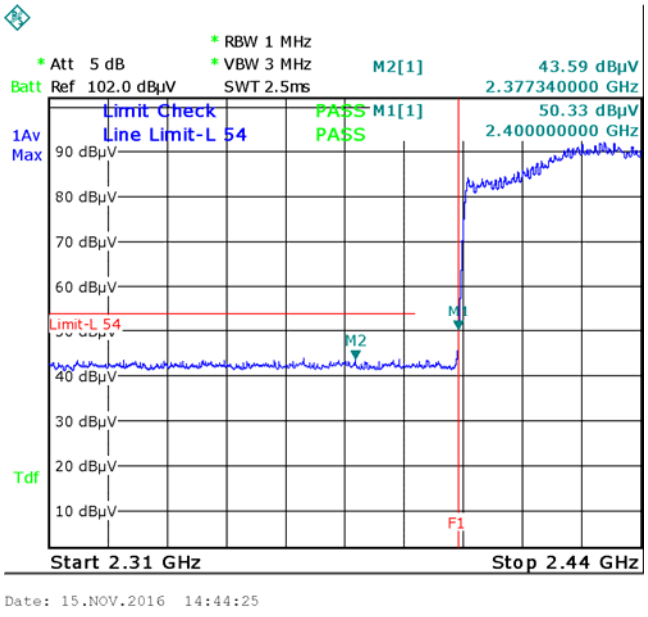
π /4 DQPSK-Hopping Left Side-PK

Note: F1 is frequency 2400MHz



π /4 DQPSK-Hopping Right Side-PK

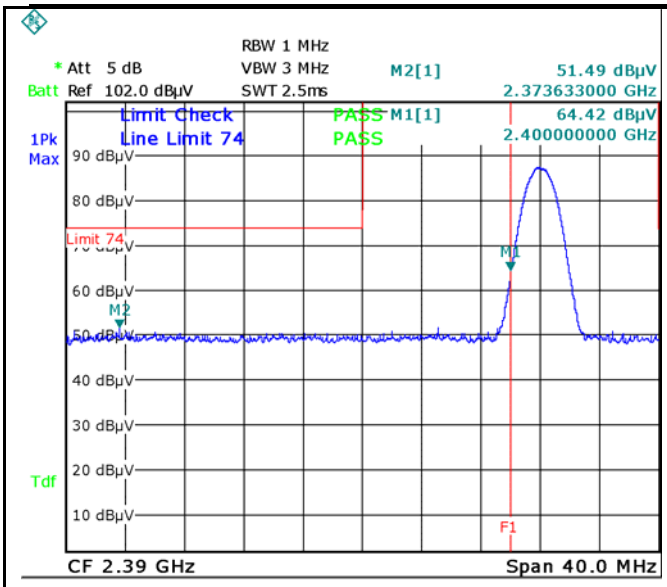
Note: F1 is frequency 2483.5MHz



π /4 DQPSK-Hopping Left-AV

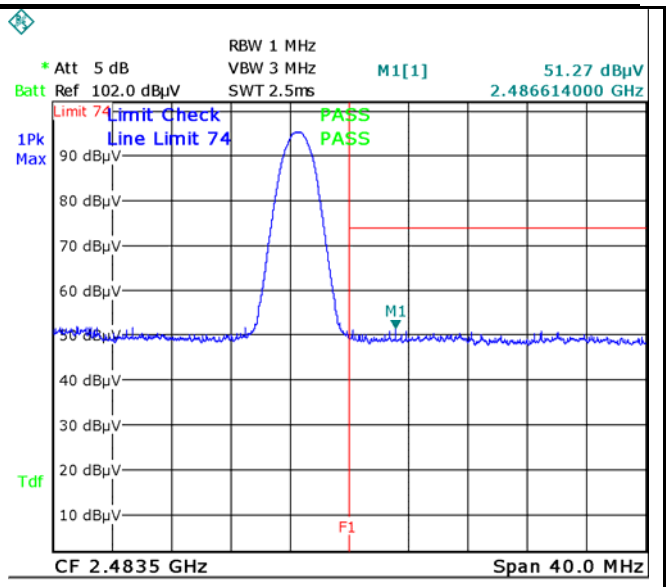
Note: (no need if PK value less than the AV limit)

π /4 DQPSK-Hopping Right-AV



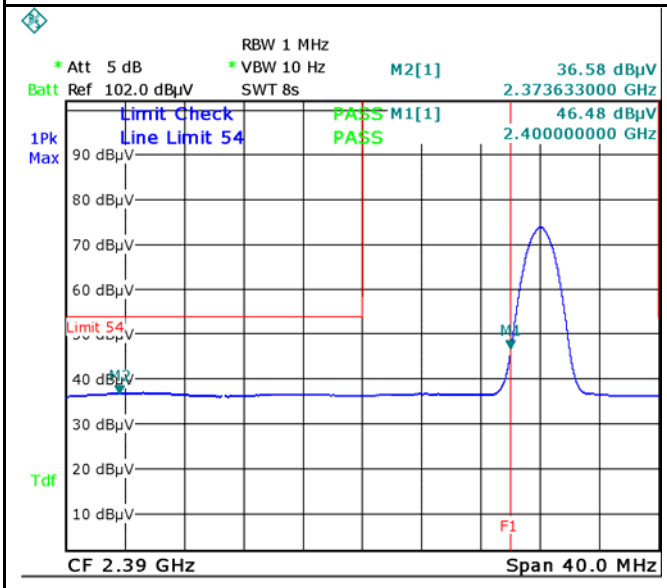
π /4 DQPSK-Left Side-PK

Note: F1 is frequency 2400MHz



π /4 DQPSK-Right Side-PK

Note: F1 is frequency 2483.5MHz

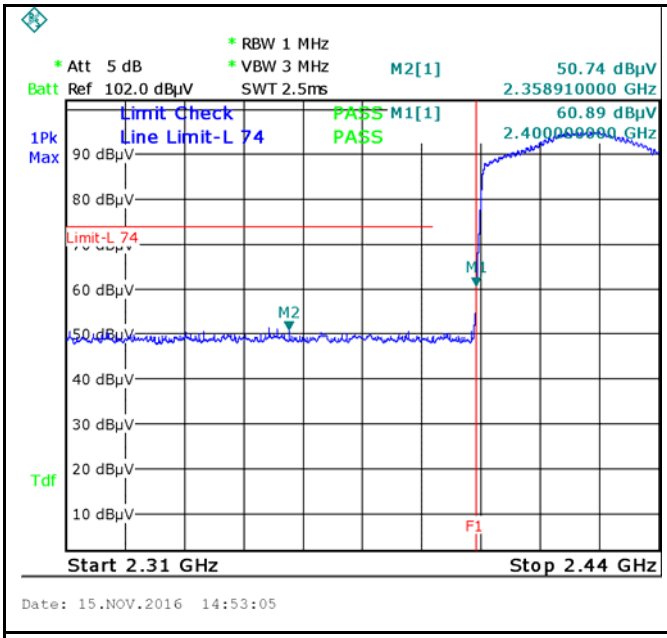
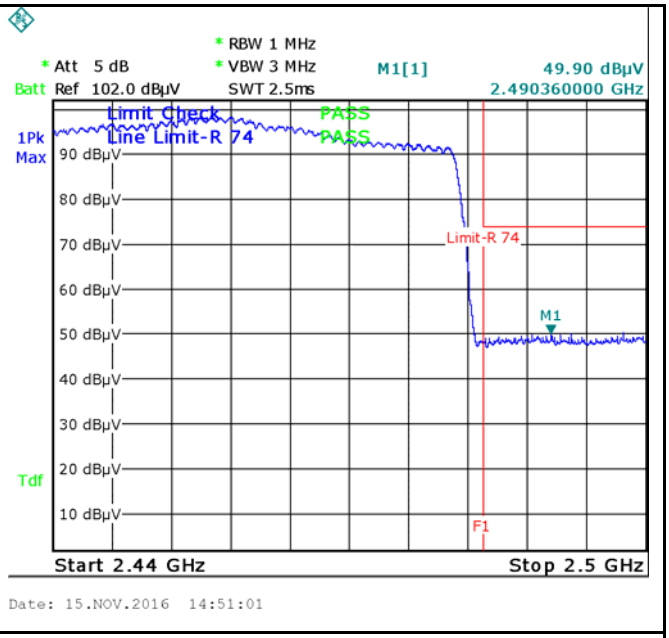


π /4 DQPSK-Left Side-AV

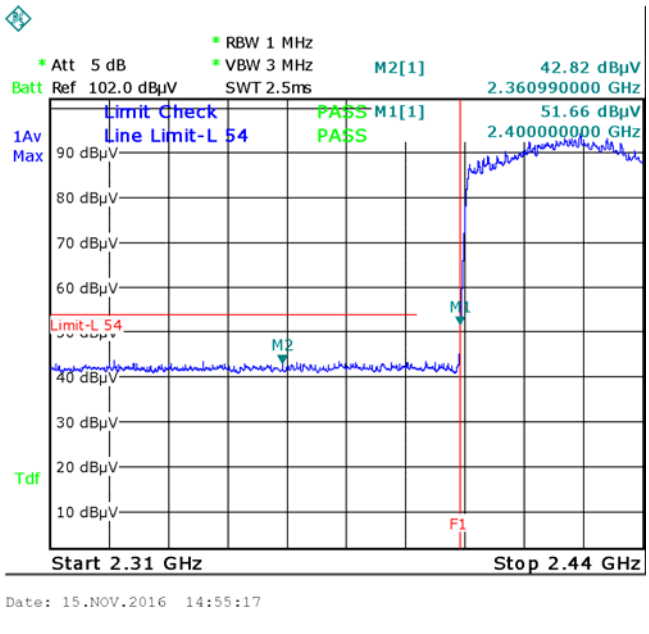
Note: (no need if PK value less than the AV limit)

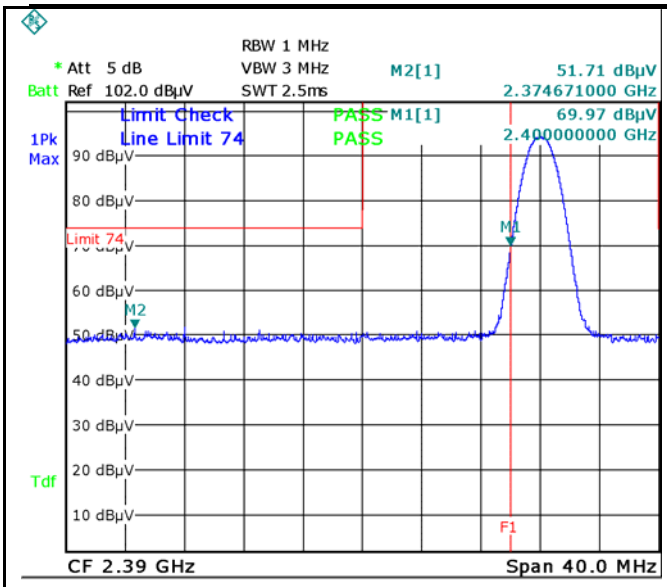
π /4 DQPSK-Right Side-AV

8-DPSK Mode:

<table>
<tr>
<td> 
</td>
<td> 
</td>
</tr>
<tr>
<td>8DPSK-Hopping Left Side-PK

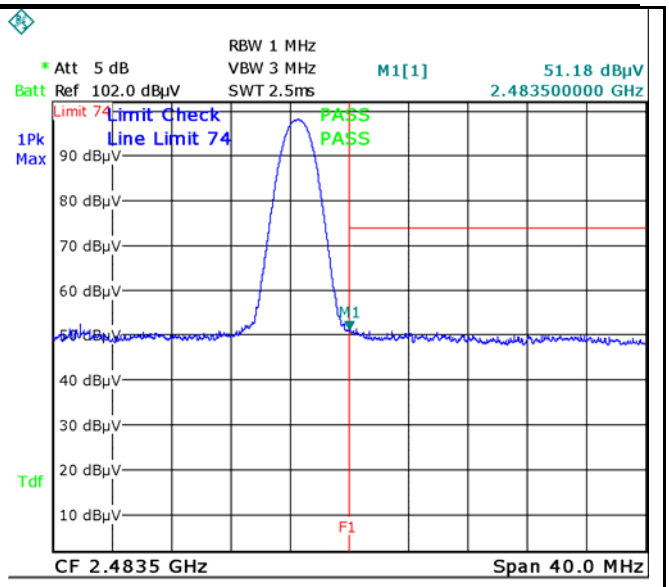
Note: F1 is frequency 2400MHz</td>
<td>8DPSK-Hopping Right Side-PK

Note: F1 is frequency 2483.5MHz</td>
</tr>
<tr>
<td> 
</td>
<td>Note: (no need if PK value less than the AV limit)</td>
</tr>
<tr>
<td>8DPSK-Hopping Left-AV</td>
<td>8DPSK-Hopping Right-AV</td>
</tr>
</table>



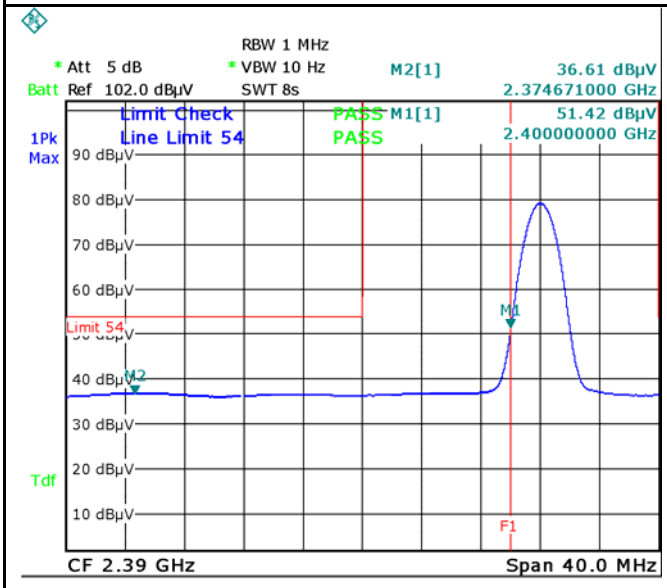
8DPSK-Left Side-PK

Note: F1 is frequency 2400MHz



8DPSK-Right Side-PK

Note: F1 is frequency 2483.5MHz



8DPSK-Left Side-AV

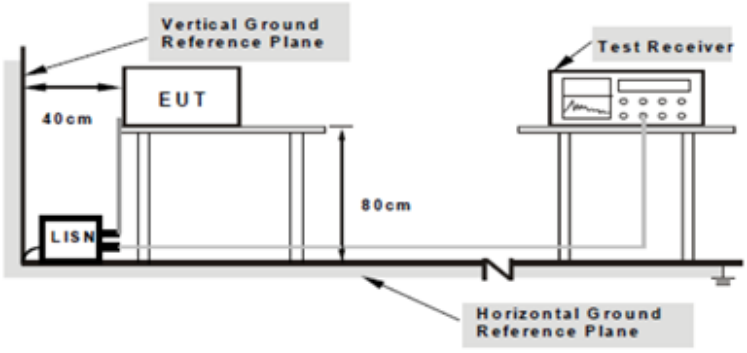
Note: (no need if PK value less than the AV limit)

8DPSK-Right Side-AV

6.8 AC Power Line Conducted Emissions

Temperature	25℃
Relative Humidity	54%
Atmospheric Pressure	1002mbar
Test date :	November 02, 2016
Tested By :	Loren Luo

Requirement(s):

<table>
<tr><th>Spec</th><th>Item</th><th>Requirement</th><th>Applicable</th></tr>
<tr><td>47CFR§15.207, RSS210 (A8.1)</td><td>a)</td><td>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.
<table>
<tr><th rowspan="2">Frequency ranges (MHz)</th><th colspan="2">Limit (dBμV)</th></tr>
<tr><th>QP</th><th>Average</th></tr>
<tr><td>0.15 ~ 0.5</td><td>66 – 56</td><td>56 – 46</td></tr>
<tr><td>0.5 ~ 5</td><td>56</td><td>46</td></tr>
<tr><td>5 ~ 30</td><td>60</td><td>50</td></tr>
</table></td><td>☑</td></tr>
<tr><td>Test Setup</td><td colspan="3"> 

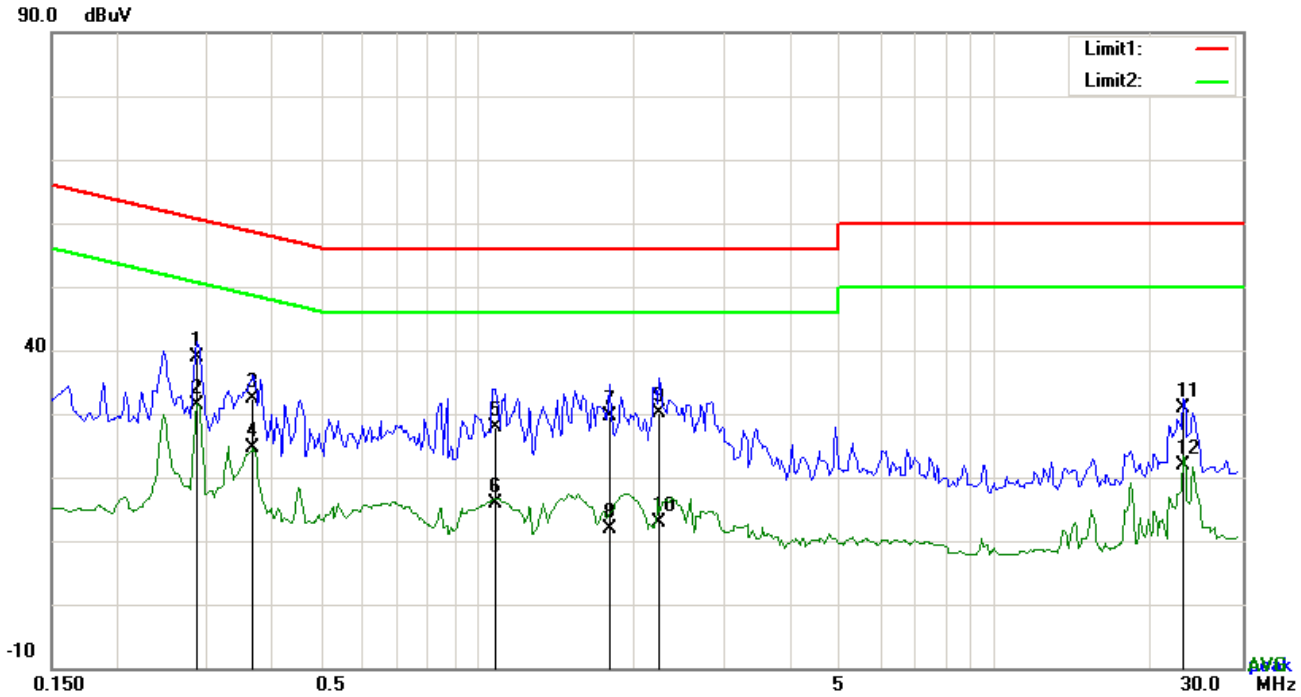
Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.</td></tr>
<tr><td>Procedure</td><td colspan="3">1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table.
2. The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains.
3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable.
4. All other supporting equipment were powered separately from another main supply.</td></tr>
</table>

	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	☑ Pass ☐ Fail

Test Data ☑ Yes ☐ N/A

Test Plot ☑ Yes (See below) ☐ N/A

Test Mode 1:	Transmitting with direct charging Mode

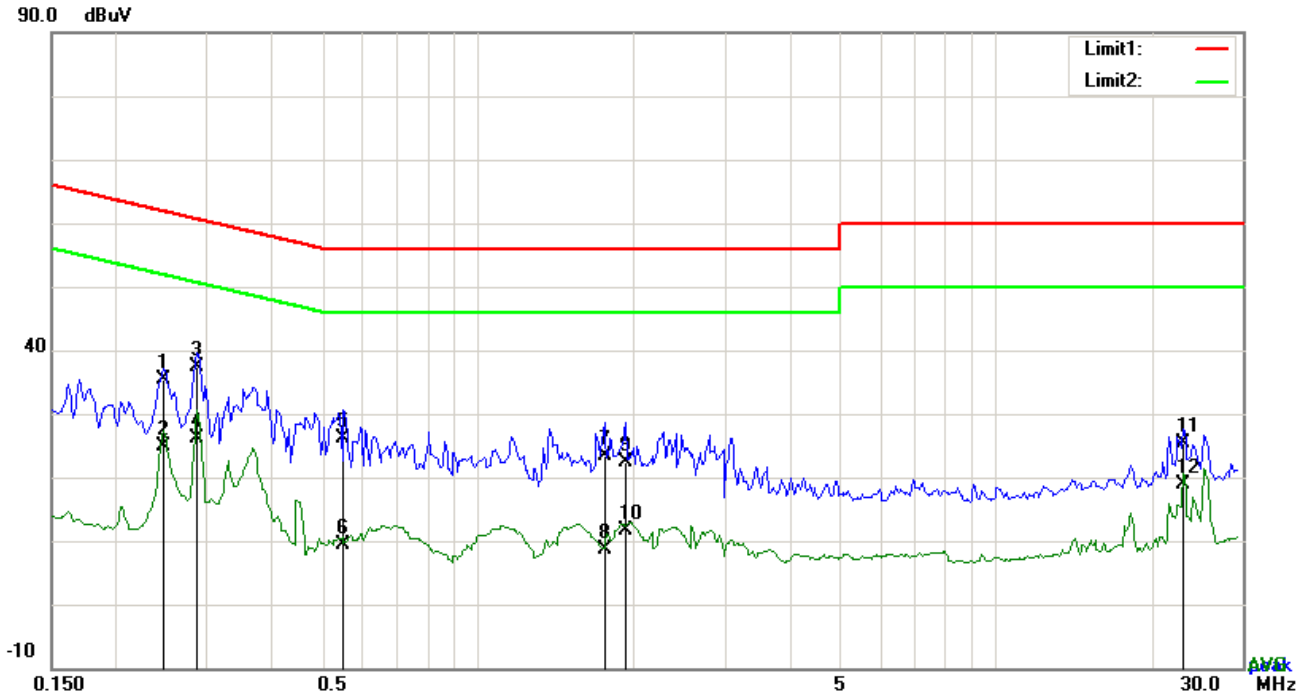


Test Data

Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	L1	0.2865	28.94	QP	10.03	38.97	60.63	-21.66
2	L1	0.2865	21.38	AVG	10.03	31.41	50.63	-19.22
3	L1	0.3684	22.27	QP	10.03	32.30	58.54	-26.24
4	L1	0.3684	14.52	AVG	10.03	24.55	48.54	-23.99
5	L1	1.0821	17.82	QP	10.03	27.85	56.00	-28.15
6	L1	1.0821	5.82	AVG	10.03	15.85	46.00	-30.15
7	L1	1.7919	19.59	QP	10.04	29.63	56.00	-26.37
8	L1	1.7919	1.82	AVG	10.04	11.86	46.00	-34.14
9	L1	2.2443	20.17	QP	10.05	30.22	56.00	-25.78
10	L1	2.2443	2.95	AVG	10.05	13.00	46.00	-33.00
11	L1	23.1318	20.47	QP	10.36	30.83	60.00	-29.17
12	L1	23.1318	11.59	AVG	10.36	21.95	50.00	-28.05

Test Mode 1:	Transmitting with direct charging Mode

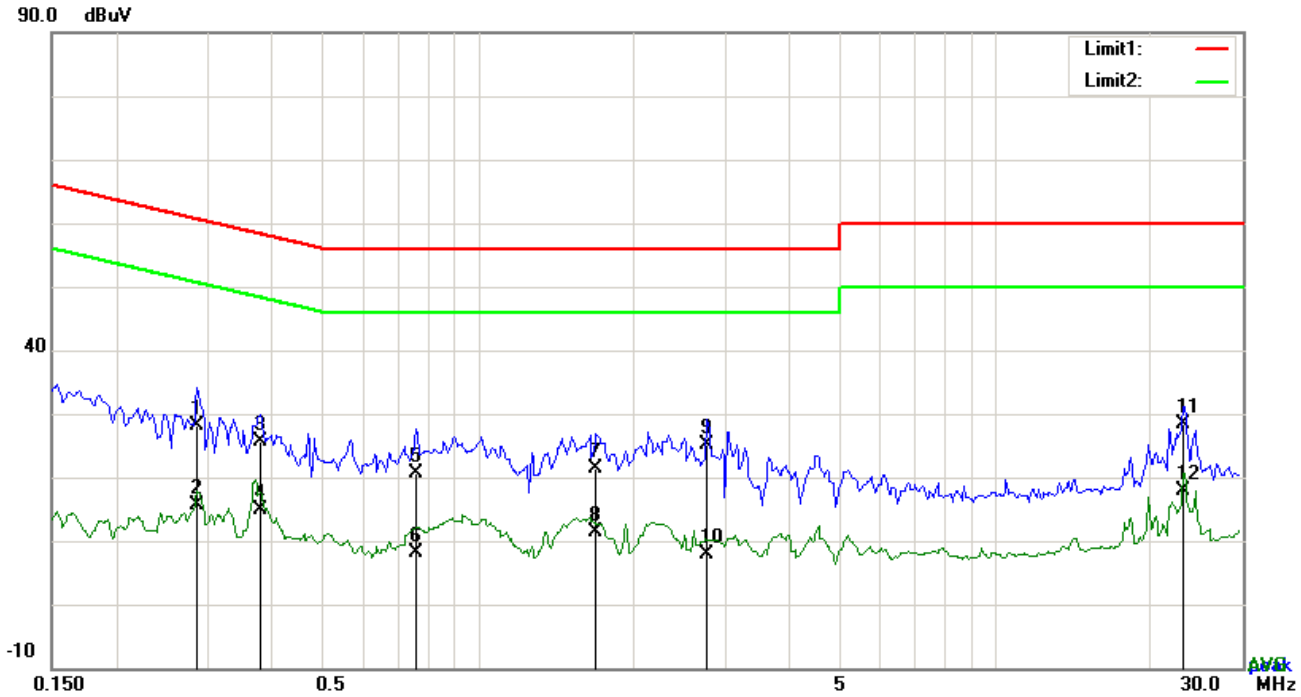


Test Data

Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	N	0.2475	25.38	QP	10.02	35.40	61.84	-26.44
2	N	0.2475	14.85	AVG	10.02	24.87	51.84	-26.97
3	N	0.2865	27.45	QP	10.02	37.47	60.63	-23.16
4	N	0.2865	16.12	AVG	10.02	26.14	50.63	-24.49
5	N	0.5517	16.06	QP	10.02	26.08	56.00	-29.92
6	N	0.5517	-0.58	AVG	10.02	9.44	46.00	-36.56
7	N	1.7529	13.45	QP	10.04	23.49	56.00	-32.51
8	N	1.7529	-1.33	AVG	10.04	8.71	46.00	-37.29
9	N	1.9323	12.40	QP	10.04	22.44	56.00	-33.56
10	N	1.9323	1.52	AVG	10.04	11.56	46.00	-34.44
11	N	23.1318	15.16	QP	10.31	25.47	60.00	-34.53
12	N	23.1318	8.46	AVG	10.31	18.77	50.00	-31.23

Test Mode 1:	Transmitting with direct charging Mode

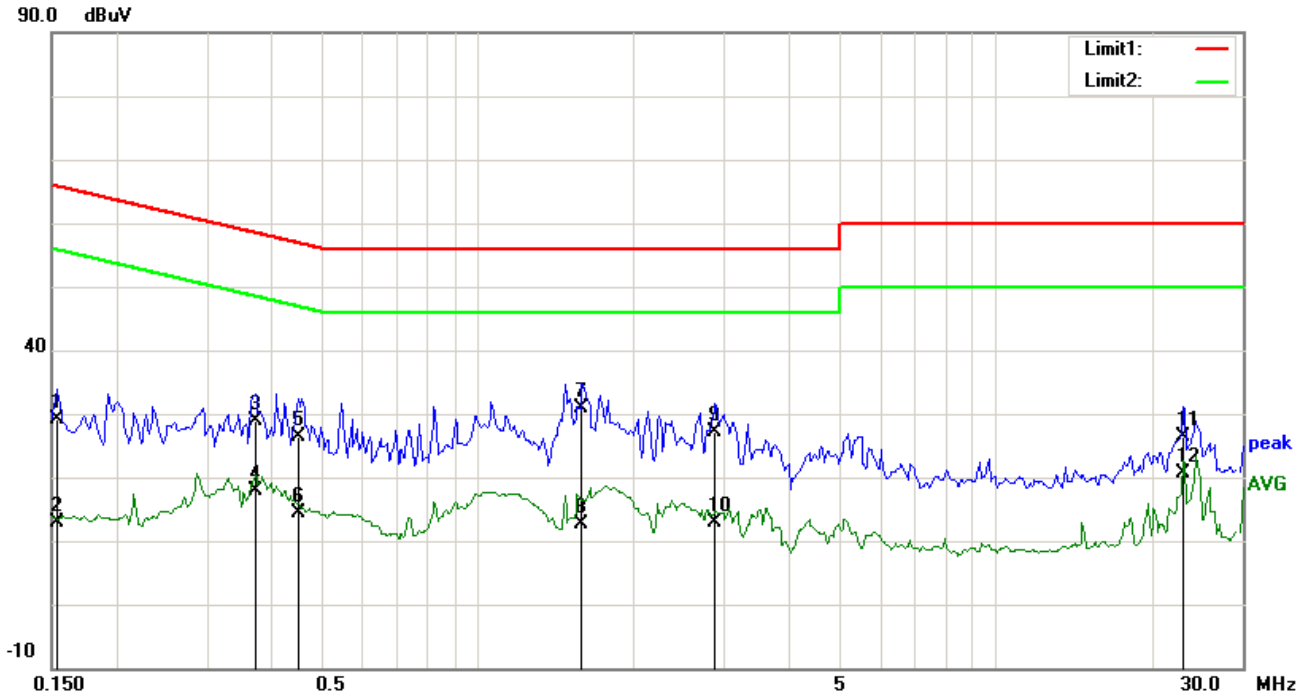


Test Data

Phase Line Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	L1	0.2865	18.22	QP	10.03	28.25	60.63	-32.38
2	L1	0.2865	5.49	AVG	10.03	15.52	50.63	-35.11
3	L1	0.3801	15.51	QP	10.03	25.54	58.28	-32.74
4	L1	0.3801	4.90	AVG	10.03	14.93	48.28	-33.35
5	L1	0.7623	10.50	QP	10.03	20.53	56.00	-35.47
6	L1	0.7623	-1.87	AVG	10.03	8.16	46.00	-37.84
7	L1	1.6944	11.31	QP	10.04	21.35	56.00	-34.65
8	L1	1.6944	1.44	AVG	10.04	11.48	46.00	-34.52
9	L1	2.7747	15.10	QP	10.05	25.15	56.00	-30.85
10	L1	2.7747	-2.22	AVG	10.05	7.83	46.00	-38.17
11	L1	23.1357	18.01	QP	10.36	28.37	60.00	-31.63
12	L1	23.1357	7.45	AVG	10.36	17.81	50.00	-32.19

Test Mode 1:	Transmitting with direct charging Mode

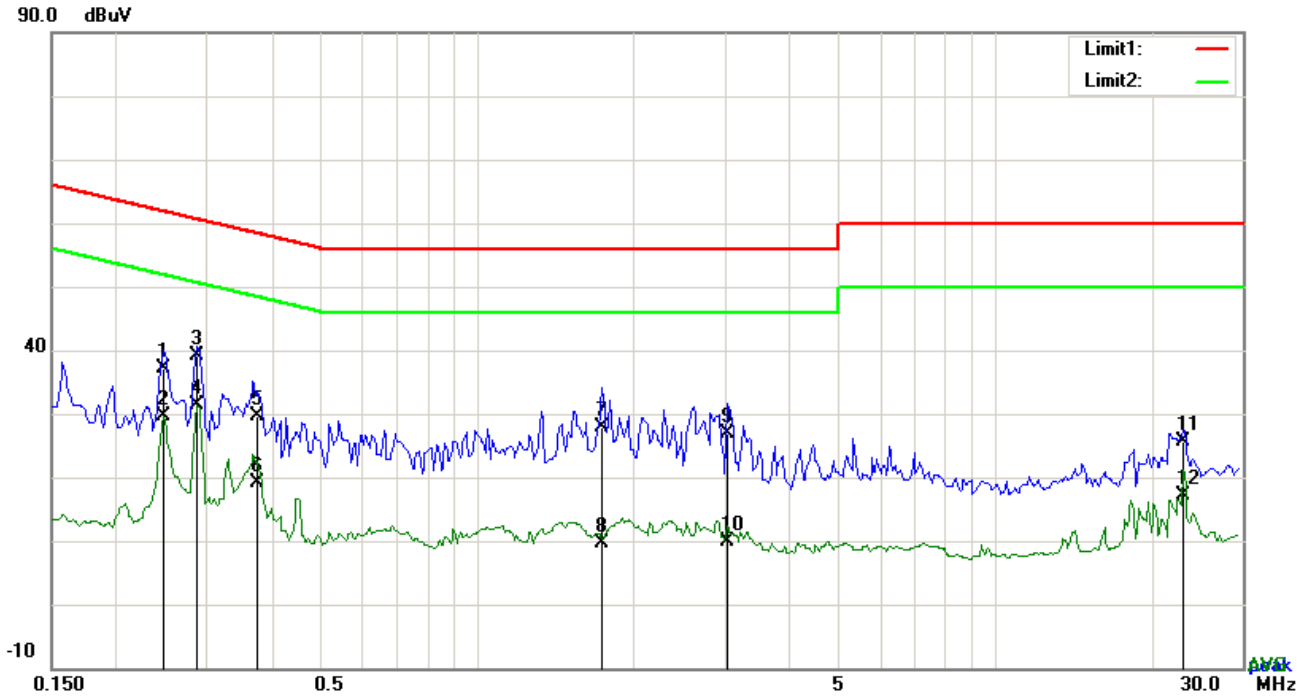


Test Data

Phase Neutral Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	N	0.1539	19.16	QP	10.02	29.18	65.79	-36.61
2	N	0.1539	2.79	AVG	10.02	12.81	55.79	-42.98
3	N	0.3723	18.91	QP	10.02	28.93	58.45	-29.52
4	N	0.3723	7.85	AVG	10.02	17.87	48.45	-30.58
5	N	0.4503	16.43	QP	10.02	26.45	56.87	-30.42
6	N	0.4503	4.30	AVG	10.02	14.32	46.87	-32.55
7	N	1.5891	20.77	QP	10.04	30.81	56.00	-25.19
8	N	1.5891	2.51	AVG	10.04	12.55	46.00	-33.45
9	N	2.8800	17.00	QP	10.05	27.05	56.00	-28.95
10	N	2.8800	2.94	AVG	10.05	12.99	46.00	-33.01
11	N	23.1318	16.15	QP	10.31	26.46	60.00	-33.54
12	N	23.1318	10.43	AVG	10.31	20.74	50.00	-29.26

Test Mode 2:	Transmitting with charging by base

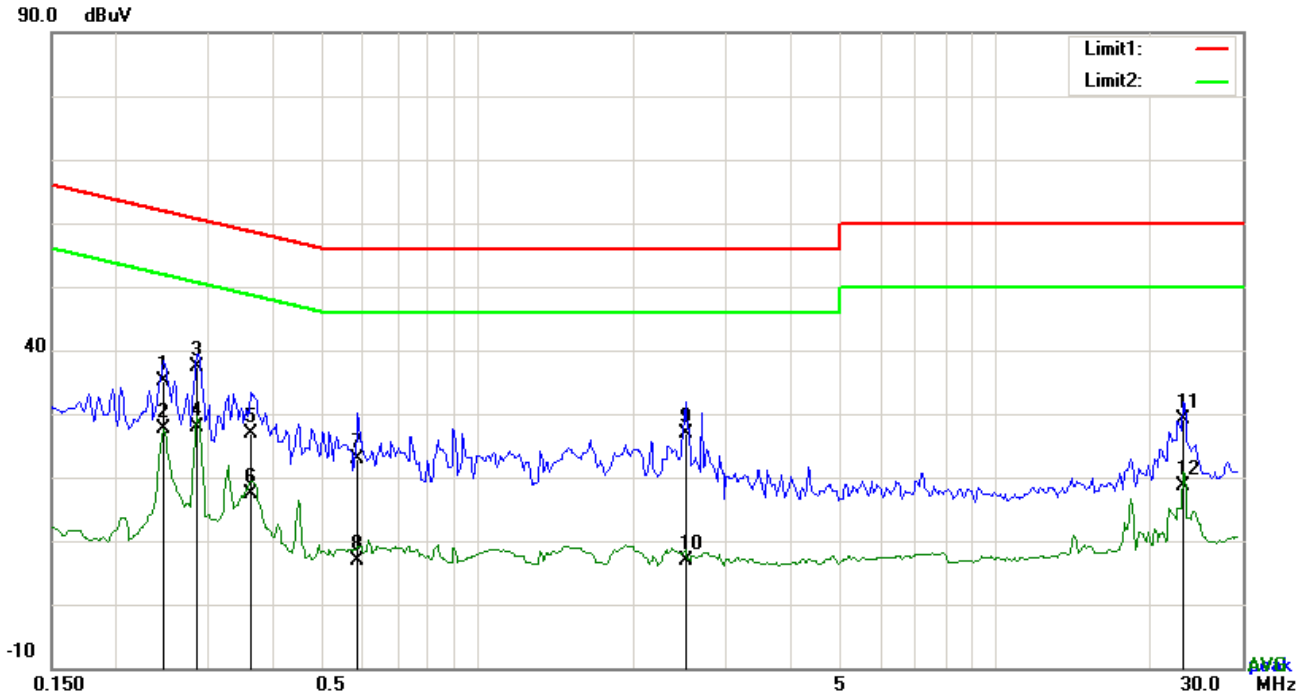


Test Data

Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	L1	0.2475	27.05	QP	10.03	37.08	61.84	-24.76
2	L1	0.2475	19.52	AVG	10.03	29.55	51.84	-22.29
3	L1	0.2865	29.02	QP	10.03	39.05	60.63	-21.58
4	L1	0.2865	21.34	AVG	10.03	31.37	50.63	-19.26
5	L1	0.3762	19.57	QP	10.03	29.60	58.36	-28.76
6	L1	0.3762	9.10	AVG	10.03	19.13	48.36	-29.23
7	L1	1.7373	17.96	QP	10.04	28.00	56.00	-28.00
8	L1	1.7373	-0.47	AVG	10.04	9.57	46.00	-36.43
9	L1	3.0273	16.90	QP	10.06	26.96	56.00	-29.04
10	L1	3.0273	-0.17	AVG	10.06	9.89	46.00	-36.11
11	L1	23.1318	15.22	QP	10.36	25.58	60.00	-34.42
12	L1	23.1318	6.73	AVG	10.36	17.09	50.00	-32.91

Test Mode 2:	Transmitting with charging by base

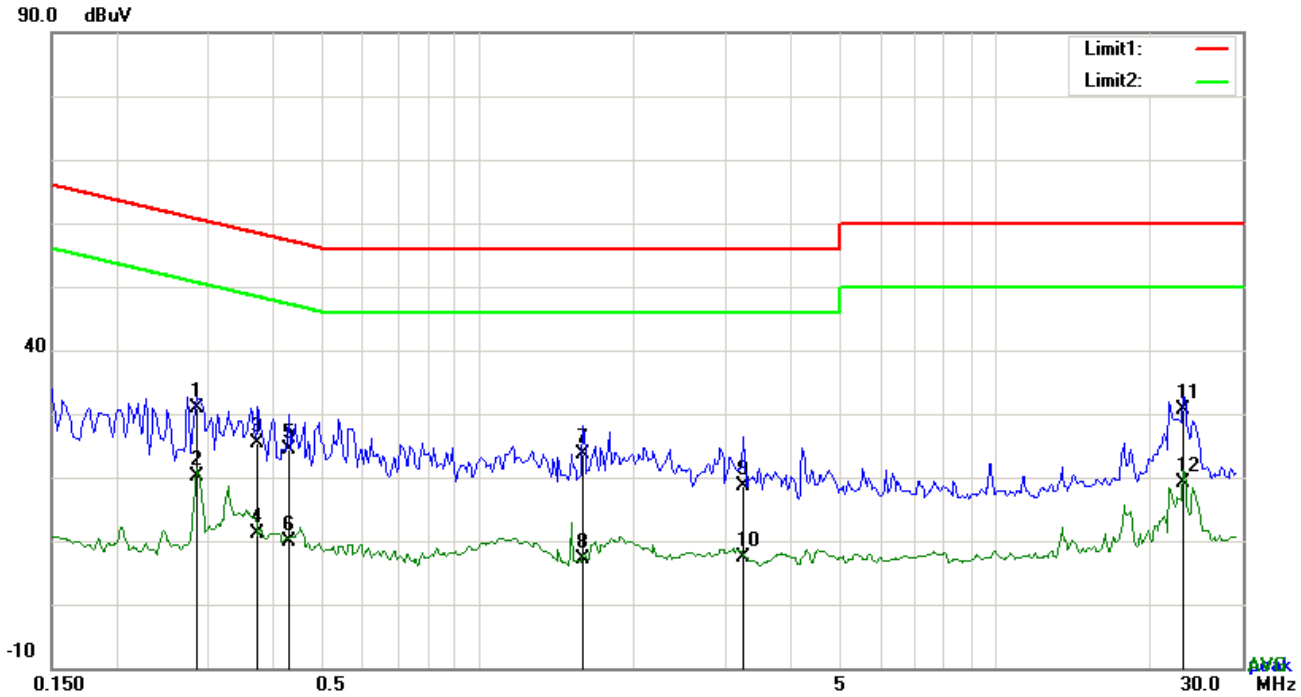


Test Data

Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	N	0.2475	25.20	QP	10.02	35.22	61.84	-26.62
2	N	0.2475	17.71	AVG	10.02	27.73	51.84	-24.11
3	N	0.2865	27.35	QP	10.02	37.37	60.63	-23.26
4	N	0.2865	17.96	AVG	10.02	27.98	50.63	-22.65
5	N	0.3645	16.74	QP	10.02	26.76	58.63	-31.87
6	N	0.3645	7.36	AVG	10.02	17.38	48.63	-31.25
7	N	0.5868	12.98	QP	10.02	23.00	56.00	-33.00
8	N	0.5868	-3.17	AVG	10.02	6.85	46.00	-39.15
9	N	2.5134	16.83	QP	10.05	26.88	56.00	-29.12
10	N	2.5134	-3.17	AVG	10.05	6.88	46.00	-39.12
11	N	23.1318	18.86	QP	10.31	29.17	60.00	-30.83
12	N	23.1318	8.29	AVG	10.31	18.60	50.00	-31.40

Test Mode 2:	Transmitting with charging by base

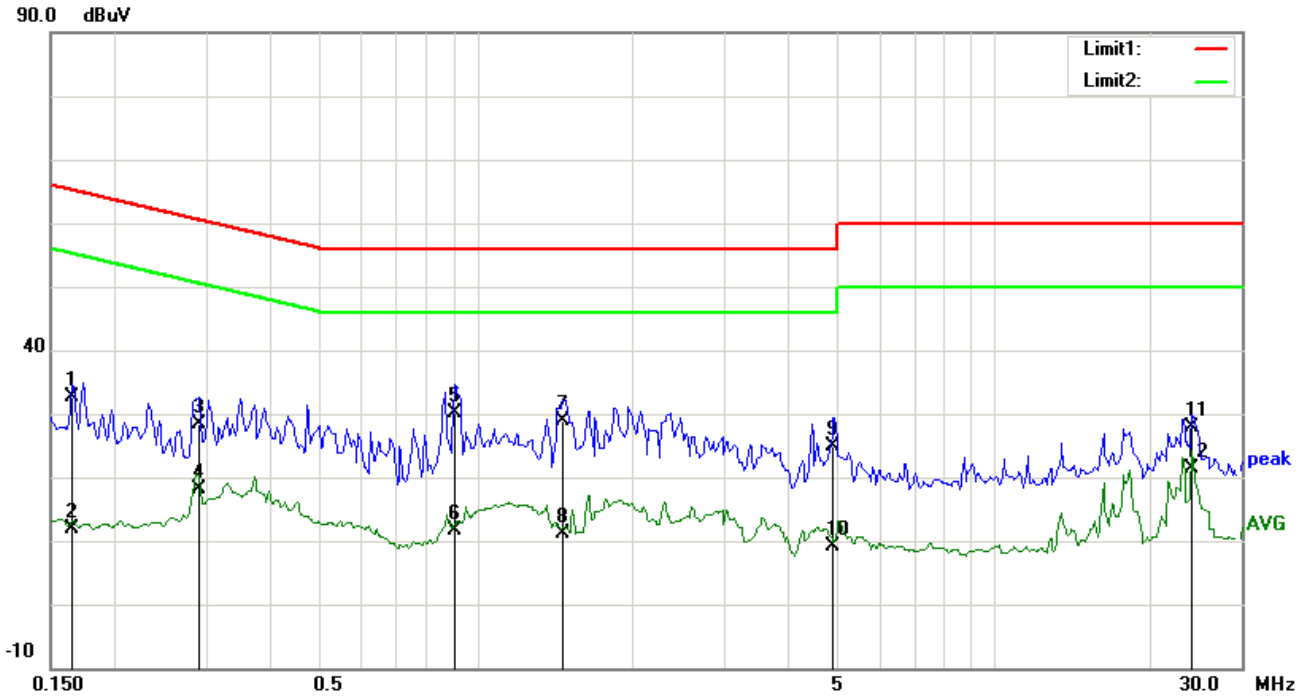


Test Data

Phase Line Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	L1	0.2865	20.88	QP	10.03	30.91	60.63	-29.72
2	L1	0.2865	10.03	AVG	10.03	20.06	50.63	-30.57
3	L1	0.3762	15.40	QP	10.03	25.43	58.36	-32.93
4	L1	0.3762	1.18	AVG	10.03	11.21	48.36	-37.15
5	L1	0.4308	14.28	QP	10.03	24.31	57.24	-32.93
6	L1	0.4308	-0.05	AVG	10.03	9.98	47.24	-37.26
7	L1	1.5969	13.62	QP	10.04	23.66	56.00	-32.34
8	L1	1.5969	-2.87	AVG	10.04	7.17	46.00	-38.83
9	L1	3.2535	8.54	QP	10.06	18.60	56.00	-37.40
10	L1	3.2535	-2.56	AVG	10.06	7.50	46.00	-38.50
11	L1	23.1318	20.17	QP	10.36	30.53	60.00	-29.47
12	L1	23.1318	8.88	AVG	10.36	19.24	50.00	-30.76

Test Mode 2:	Transmitting with charging by base



Test Data

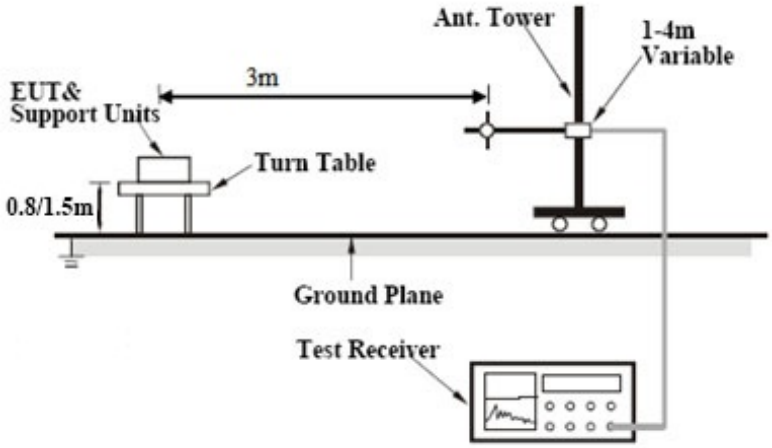
Phase Neutral Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	N	0.1656	22.67	QP	10.02	32.69	65.18	-32.49
2	N	0.1656	1.79	AVG	10.02	11.81	55.18	-43.37
3	N	0.2904	18.24	QP	10.02	28.26	60.51	-32.25
4	N	0.2904	8.02	AVG	10.02	18.04	50.51	-32.47
5	N	0.9066	20.02	QP	10.03	30.05	56.00	-25.95
6	N	0.9066	1.50	AVG	10.03	11.53	46.00	-34.47
7	N	1.4643	18.95	QP	10.03	28.98	56.00	-27.02
8	N	1.4643	1.18	AVG	10.03	11.21	46.00	-34.79
9	N	4.8993	14.93	QP	10.07	25.00	56.00	-31.00
10	N	4.8993	-0.94	AVG	10.07	9.13	46.00	-36.87
11	N	24.0288	17.52	QP	10.32	27.84	60.00	-32.16
12	N	24.0288	11.10	AVG	10.32	21.42	50.00	-28.58

6.9 Radiated Spurious Emissions & Restricted Band

Temperature	24℃
Relative Humidity	55%
Atmospheric Pressure	1003mbar
Test date :	November 03, 2016
Tested By :	Loren Luo

Requirement(s):

<table>
<tr><th>Spec</th><th>Item</th><th>Requirement</th><th>Applicable</th></tr>
<tr><td>47CFR§15.205,
§15.209,
§15.247(d)</td><td>a)</td><td>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></td><td>☑</td></tr>
<tr><td>Test Setup</td><td colspan="3"> 
</td></tr>
<tr><td>Procedure</td><td colspan="3">1. The EUT was switched on and allowed to warm up to its normal operating condition.
2. The test was carried out at the selected frequency points obtained from the EUT characterization. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner:
a. Vertical or horizontal polarization (whichever gave the higher emission level over a full rotation of the EUT) was chosen.</td></tr>
</table>

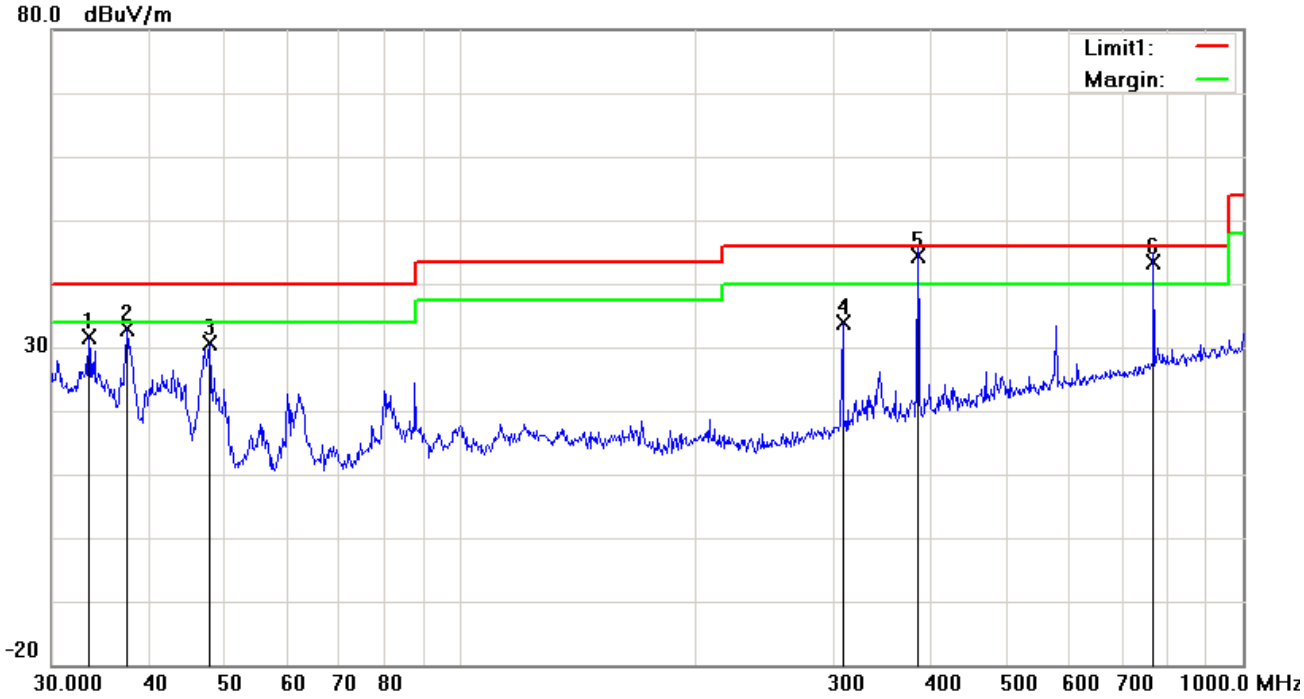
	b. The EUT was then rotated to the direction that gave the maximum emission. c. Finally, the antenna height was adjusted to the height that gave the maximum emission. 3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz. 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. 5. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.
Remark	
Result	☑ Pass ☐ Fail

Test Data ☑ Yes ☐ N/A

Test Plot ☑ Yes (See below) ☐ N/A

Test Mode 1:	Transmitting with direct charging Mode

Below 1GHz

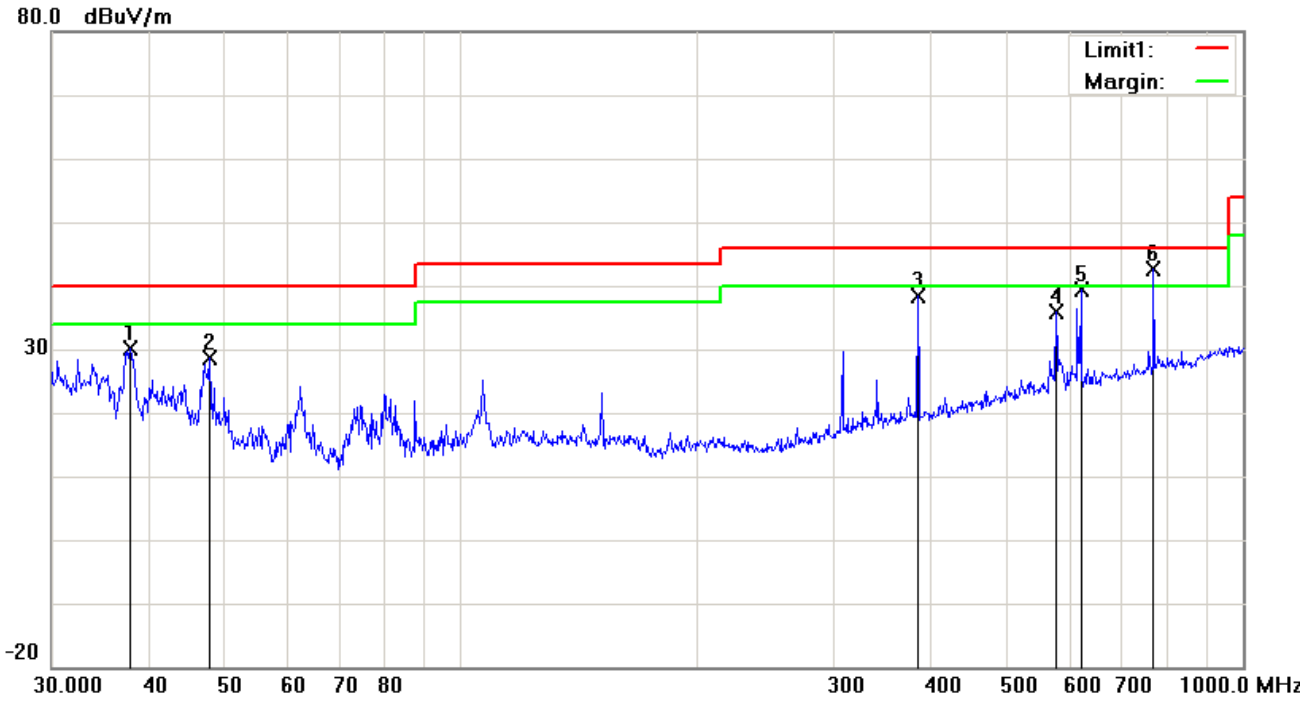


Test Data

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	33.4449	34.46	peak	-2.79	31.67	40.00	-8.33	100	29
2	H	37.4165	38.48	peak	-5.70	32.78	40.00	-7.22	100	46
3	H	47.8260	42.76	peak	-12.20	30.56	40.00	-9.44	100	197
4	H	307.8313	40.55	peak	-6.68	33.87	46.00	-12.13	100	351
5	H	383.9318	48.99	QP	-4.67	44.32	46.00	-1.68	100	243
6	H	768.7482	40.59	QP	2.70	43.29	46.00	-2.71	100	160

Below 1GHz



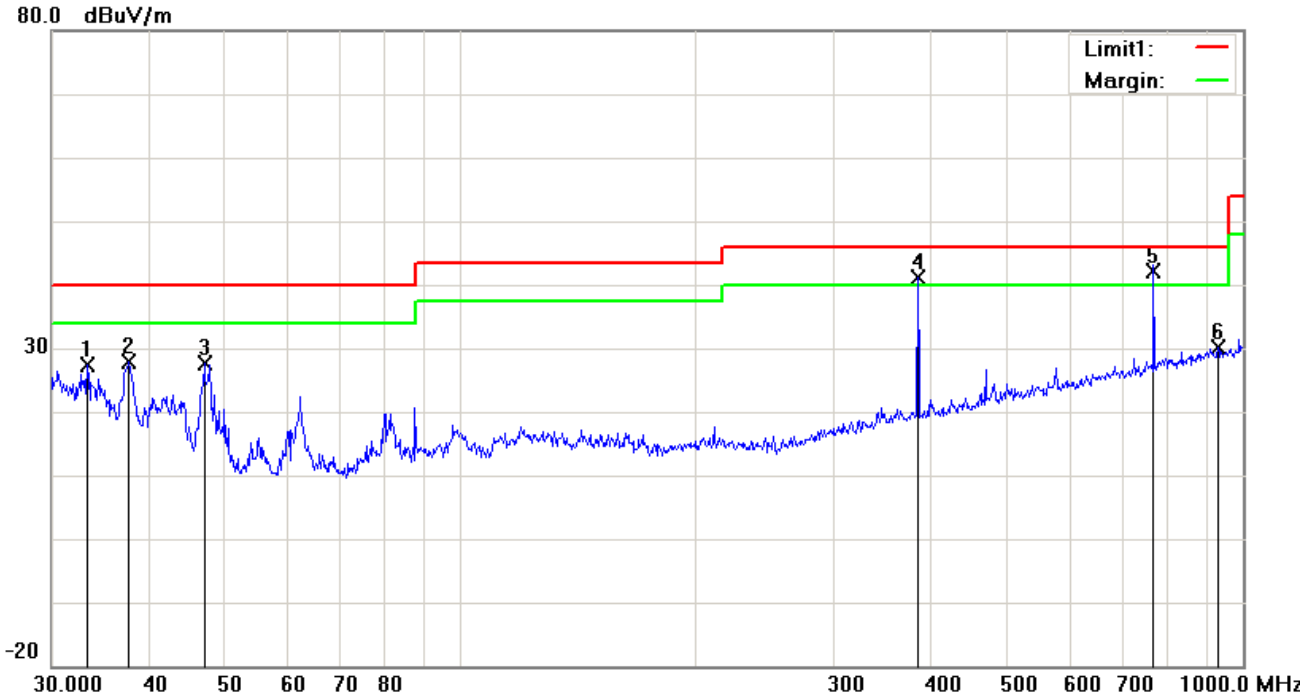
Test Data

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	37.8121	36.19	peak	-5.99	30.20	40.00	-9.80	200	173
2	V	47.6586	40.78	peak	-12.13	28.65	40.00	-11.35	100	228
3	V	383.9318	42.96	peak	-4.67	38.29	46.00	-7.71	100	164
4	V	576.6443	36.17	peak	-0.37	35.80	46.00	-10.20	100	59
5	V	620.7096	38.95	peak	0.35	39.30	46.00	-6.70	100	342
6	V	768.7482	39.95	QP	2.70	42.65	46.00	-3.35	100	91

Test Mode 2:	Transmitting with charging by base

Below 1GHz

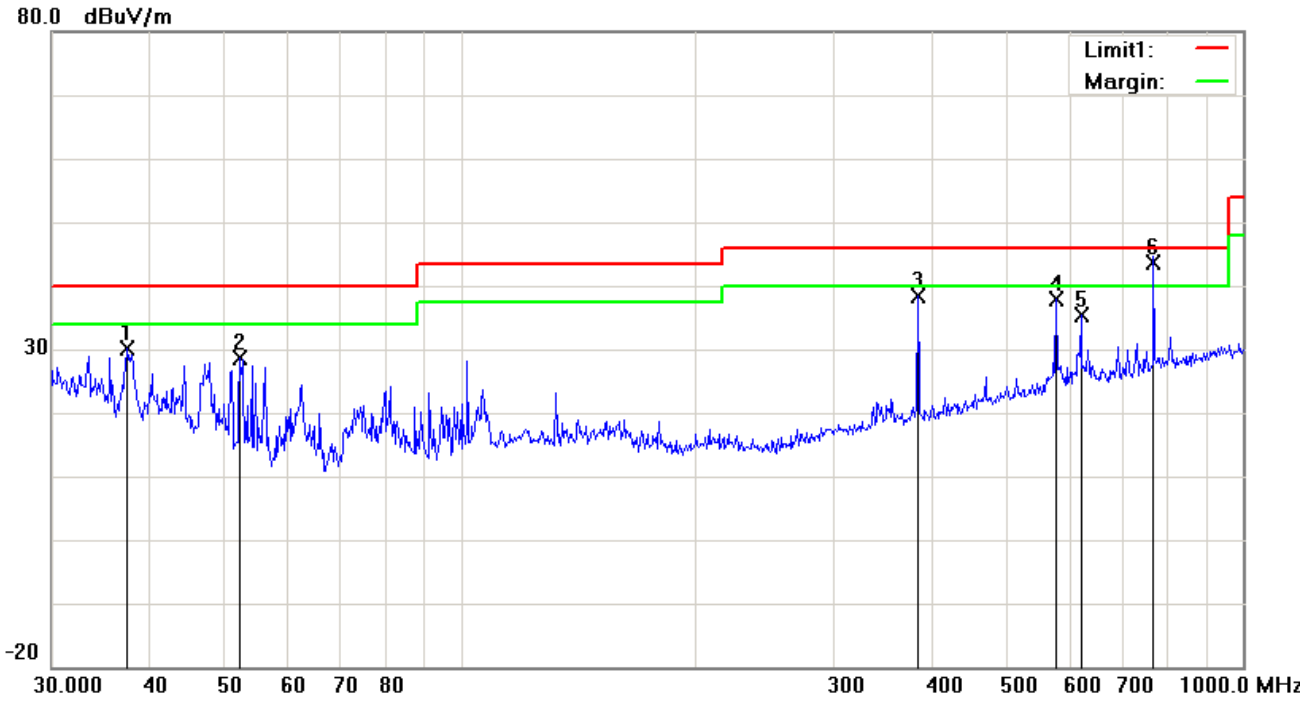


Test Data

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	33.3279	30.03	peak	-2.71	27.32	40.00	-12.68	100	43
2	H	37.6798	33.88	peak	-5.90	27.98	40.00	-12.02	100	97
3	H	46.9948	39.50	peak	-11.84	27.66	40.00	-12.34	100	312
4	H	383.9318	45.80	QP	-4.67	41.13	46.00	-4.87	100	246
5	H	768.7482	39.37	QP	2.70	42.07	46.00	-3.93	100	51
6	H	929.0082	25.21	peak	4.96	30.17	46.00	-15.83	100	118

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	37.4165	35.94	peak	-5.70	30.24	40.00	-9.76	100	113
2	V	52.2079	41.96	peak	-13.44	28.52	40.00	-11.48	100	84
3	V	383.9318	43.01	peak	-4.67	38.34	46.00	-7.66	100	192
4	V	576.6443	38.21	peak	-0.37	37.84	46.00	-8.16	100	274
5	V	620.7096	34.97	peak	0.35	35.32	46.00	-10.68	100	339
6	V	768.7482	41.02	QP	2.70	43.72	46.00	-2.28	100	56

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	38.59	AV	V	33.67	6.86	32.66	46.46	54	-7.54
4804	38.47	AV	H	33.67	6.86	32.66	46.34	54	-7.66
4804	48.1	PK	V	33.67	6.86	32.66	55.97	74	-18.03
4804	47.52	PK	H	33.67	6.86	32.66	55.39	74	-18.61
17785	24.85	AV	V	45.03	11.21	32.38	48.71	54	-5.29
17785	24.63	AV	H	45.03	11.21	32.38	48.49	54	-5.51
17785	41.31	PK	V	45.03	11.21	32.38	65.17	74	-8.83
17785	40.86	PK	H	45.03	11.21	32.38	64.72	74	-9.28

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	38.86	AV	V	33.71	6.95	32.74	46.78	54	-7.22
4882	38.67	AV	H	33.71	6.95	32.74	46.59	54	-7.41
4882	48.12	PK	V	33.71	6.95	32.74	56.04	74	-17.96
4882	47.82	PK	H	33.71	6.95	32.74	55.74	74	-18.26
17819	24.01	AV	V	45.15	11.18	32.41	47.93	54	-6.07
17819	39.94	AV	H	45.15	11.18	32.41	63.86	54	9.86
17819	40.83	PK	V	45.15	11.18	32.41	64.75	74	-9.25
17819	40.21	PK	H	45.15	11.18	32.41	64.13	74	-9.87

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	39.13	AV	V	33.9	6.76	32.74	47.05	54	-6.95
4960	38.76	AV	H	33.9	6.76	32.74	46.68	54	-7.32
4960	48.25	PK	V	33.9	6.76	32.74	56.17	74	-17.83
4960	47.99	PK	H	33.9	6.76	32.74	55.91	74	-18.09
17796	25.03	AV	V	45.22	11.35	32.38	49.22	54	-4.78
17796	24.81	AV	H	45.22	11.35	32.38	49	54	-5
17796	41.29	PK	V	45.22	11.35	32.38	65.48	74	-8.52
17796	41.03	PK	H	45.22	11.35	32.38	65.22	74	-8.78

Note:

*1, The testing has been conformed to 10*2480MHz=24,800MHz*
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.

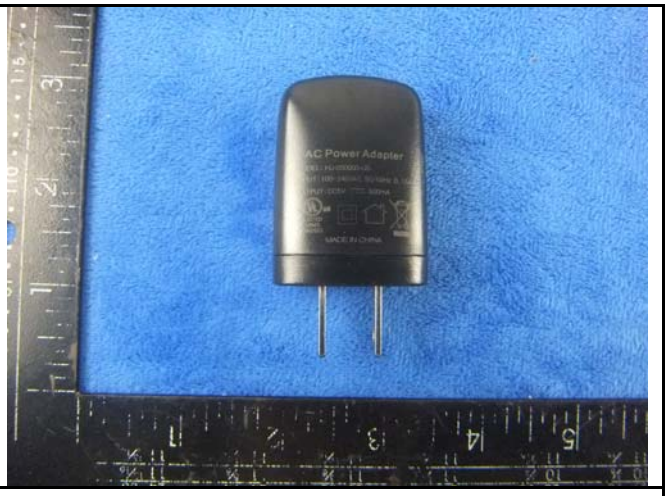
Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
AC Line Conducted					
EMI test receiver	ESCS30	8471241027	09/16/2016	09/15/2017	☑
Line Impedance	LI-125A	191106	09/24/2016	09/23/2017	☑
Line Impedance	LI-125A	191107	09/24/2016	09/23/2017	☑
LISN	ISN T800	34373	09/24/2016	09/23/2017	☑
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/23/2016	09/22/2017	☑
Transient Limiter	LIT-153	531118	08/31/2016	08/30/2017	☑
RF conducted test					
Agilent ESA-E SERIES	E4407B	MY45108319	09/16/2016	09/15/2017	☑
Power Splitter	1#	1#	08/31/2016	08/30/2017	☑
DC Power Supply	E3640A	MY40004013	09/16/2016	09/15/2017	☑
Radiated Emissions					
EMI test receiver	ESL6	100262	09/16/2016	09/15/2017	☑
Positioning Controller	UC3000	MF780208282	11/19/2015	11/18/2016	☑
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	08/31/2016	08/30/2017	☑
Microwave Preamplifier (1 ~ 26.5GHz)	8449B	3008A02402	03/24/2016	03/23/2017	☑
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/20/2016	09/19/2017	☑
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/23/2016	09/22/2017	☑
Universal Radio Communication Tester	CMU200	121393	09/24/2016	09/23/2017	☑

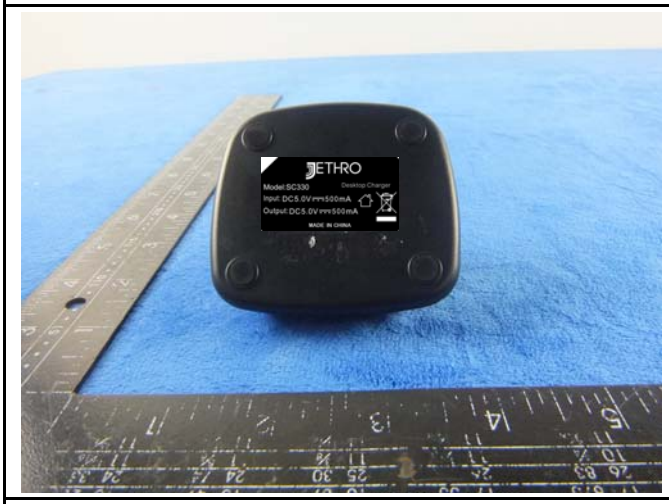
Annex B. EUT And Test Setup Photographs

Annex B.i. Photograph: EUT External Photo

Whole Package View



Adapter - Front View



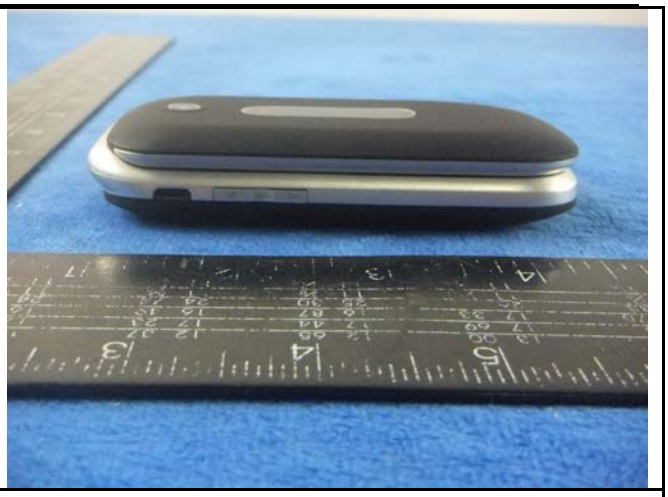
Charger Base - Lable View

EUT - Front View

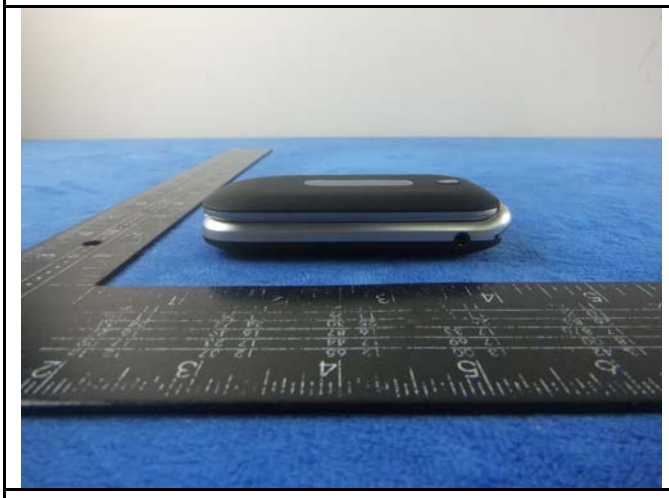
EUT - Rear View

EUT - Top View

EUT - Bottom View



EUT - Left View



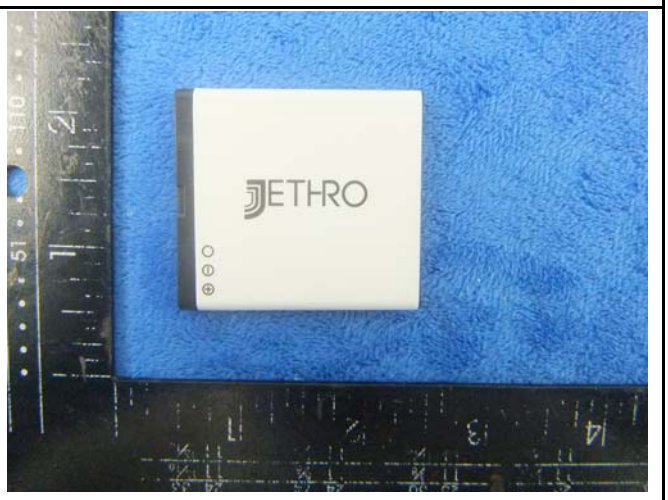
EUT - Right View

Annex B.ii. Photograph: EUT Internal Photo

Cover Off - Top View 1

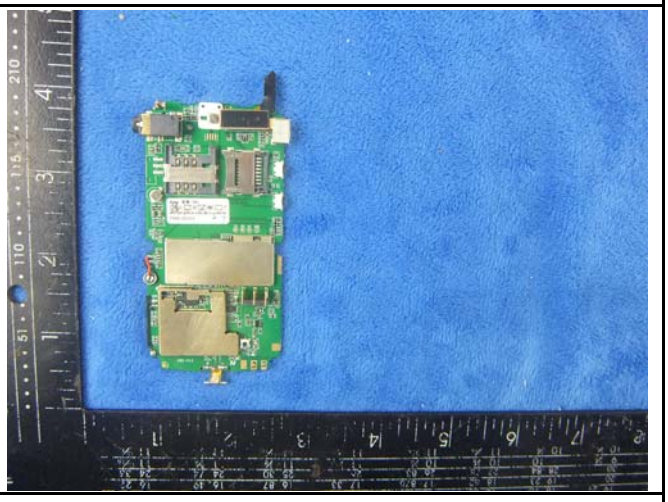
Cover Off - Top View 2

Cover Off - Top View 3

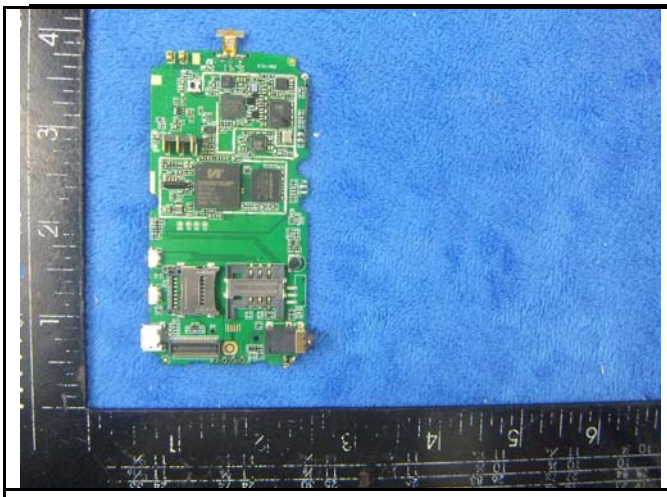


Battery - Front View

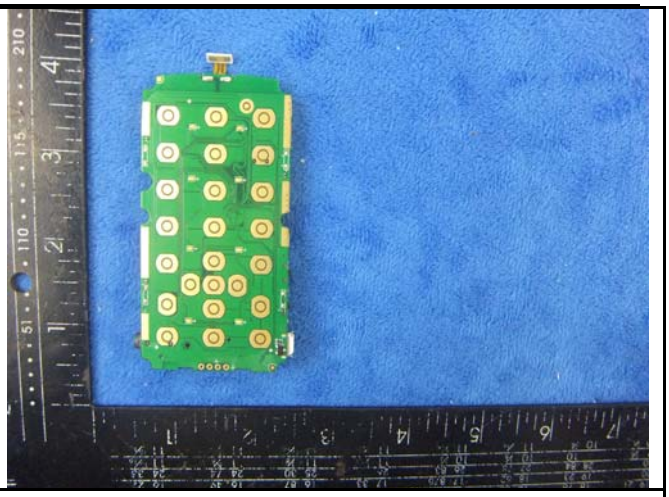
Battery - Rear View



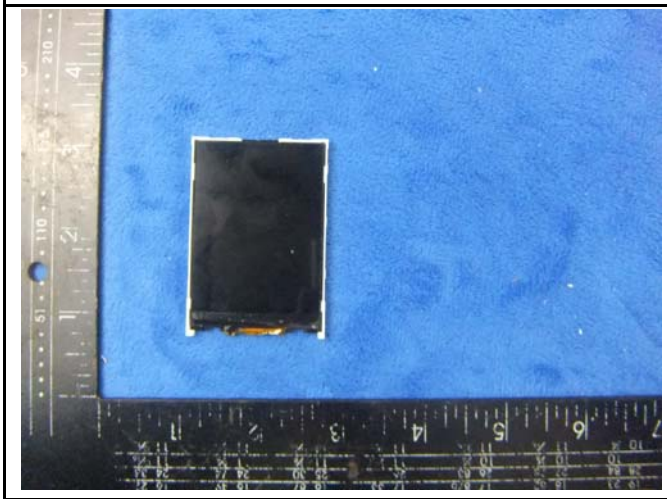
Mainboard with Shielding - Front View



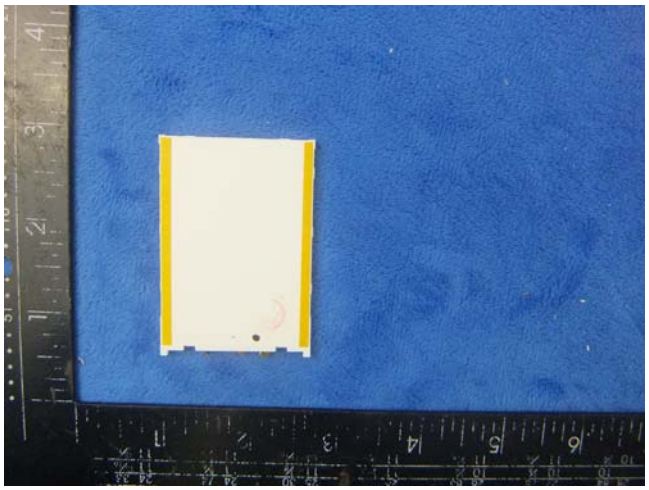
Mainboard without Shielding - Front View



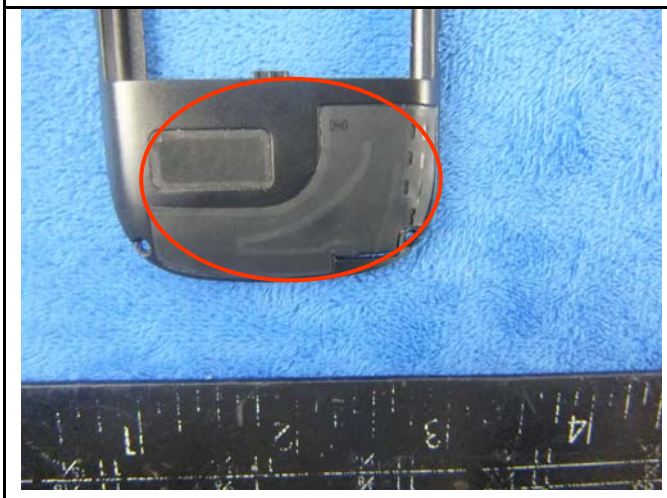
Mainboard - Rear View



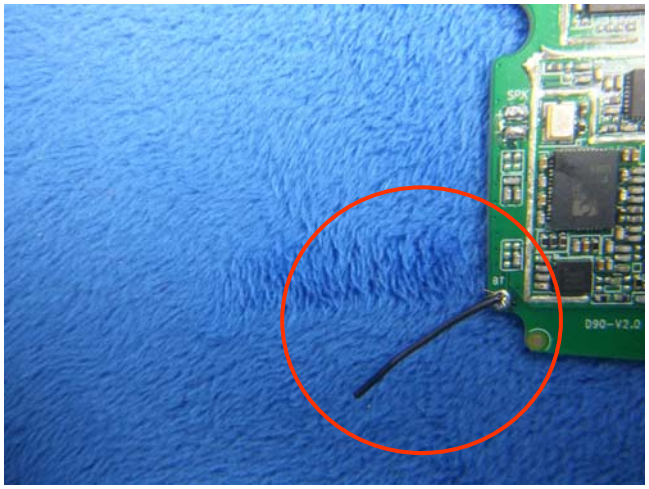
LCD – Front View



LCD – Rear View



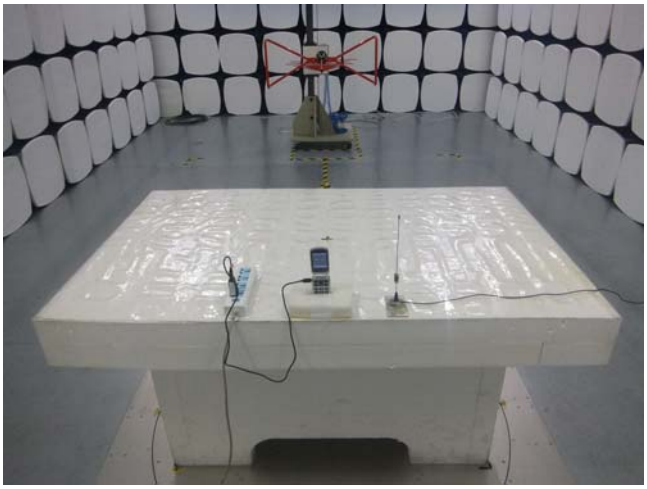
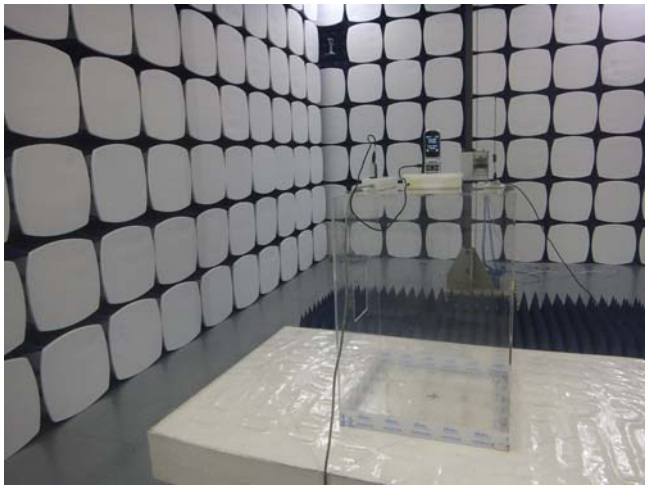
GSM/PCS/UMTS-FDD Antenna View



BT - Antenna View

Annex B.iii. Photograph: Test Setup Photo

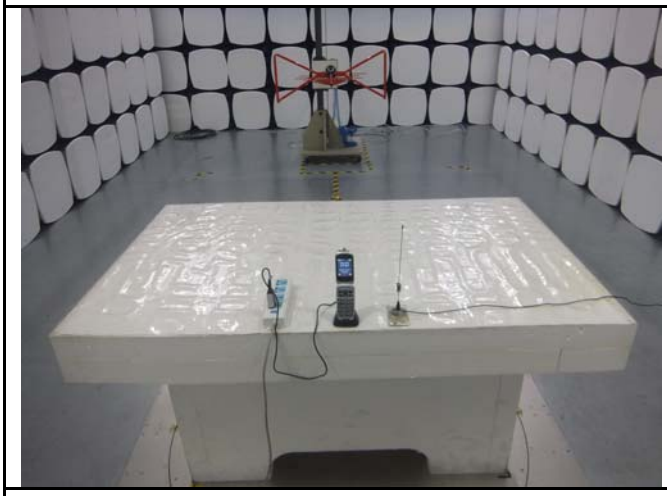
Transmitting with Direct Charging Mode

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Conducted Emissions Test Setup Front View</td><td>Conducted Emissions Test Setup Side View</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>Radiated Spurious Emissions Test Setup Below 1GHz</td><td>Radiated Spurious Emissions Test Setup Above 1GHz</td></tr>
</table>

Transmitting with Charging by base Mode

Conducted Emissions Test Setup Front View

Conducted Emissions Test Setup Side View



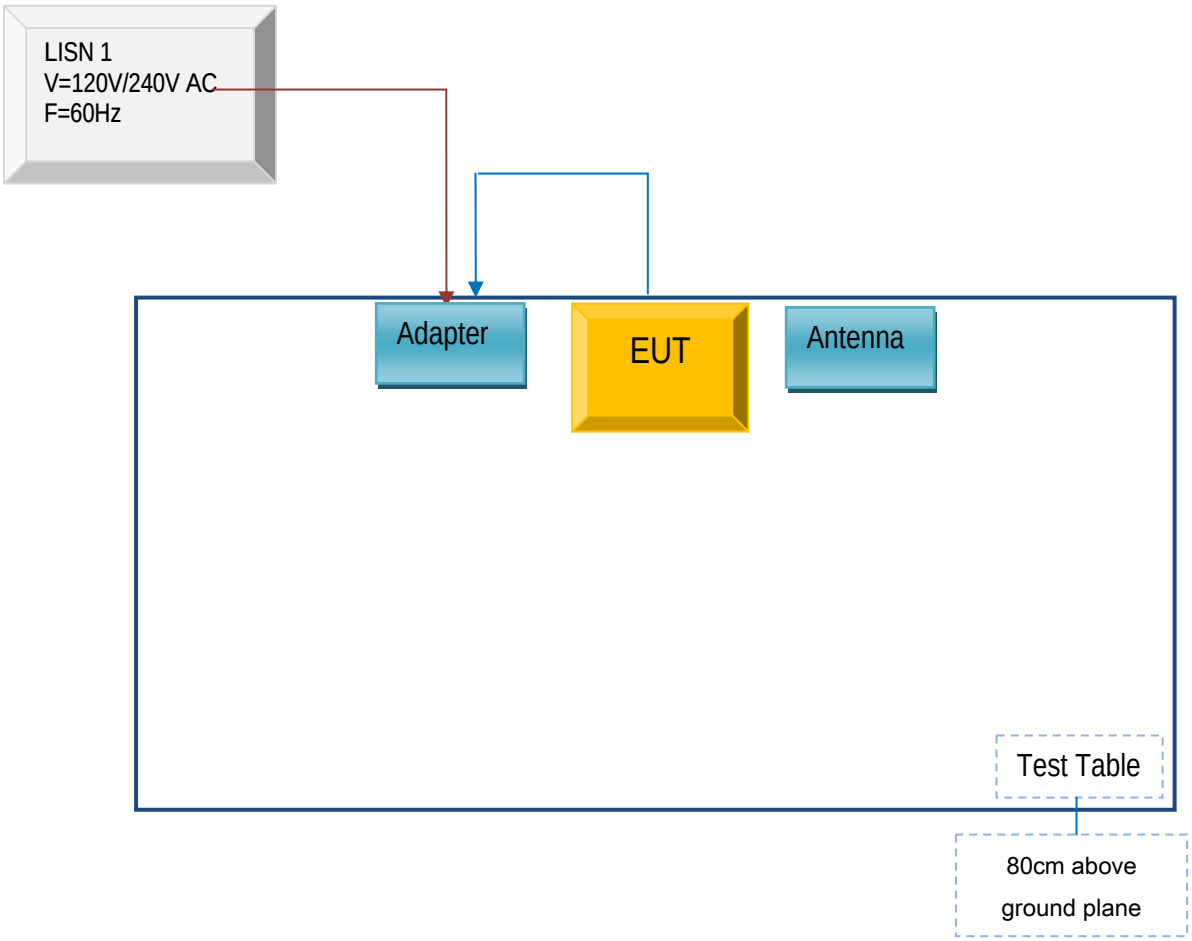
Radiated Spurious Emissions Test Setup Below 1GHz

Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

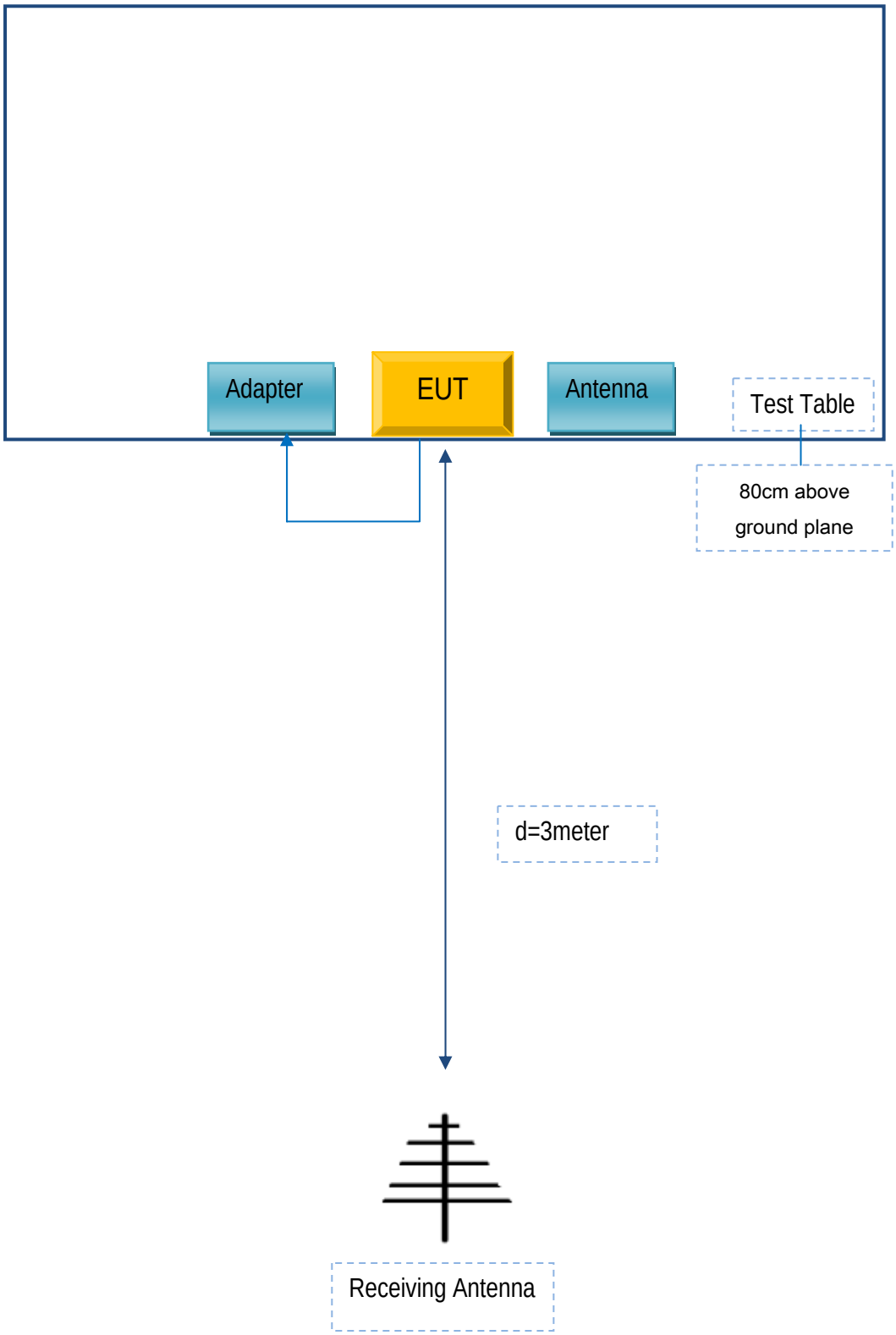
Annex C.ii. TEST SET UP BLOCK

Transmitting with Direct Charging Mode

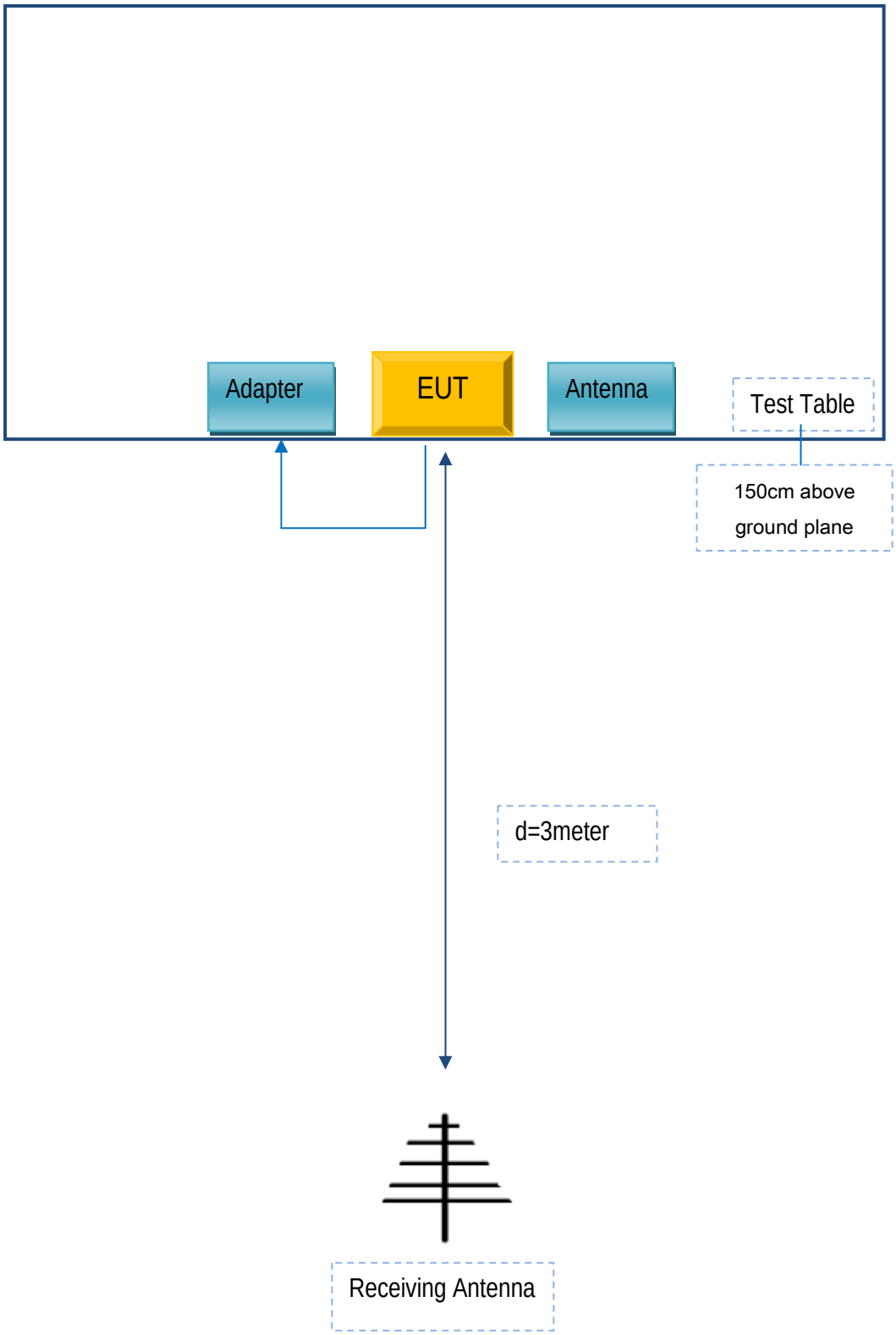
Block Configuration Diagram for AC Line Conducted Emissions



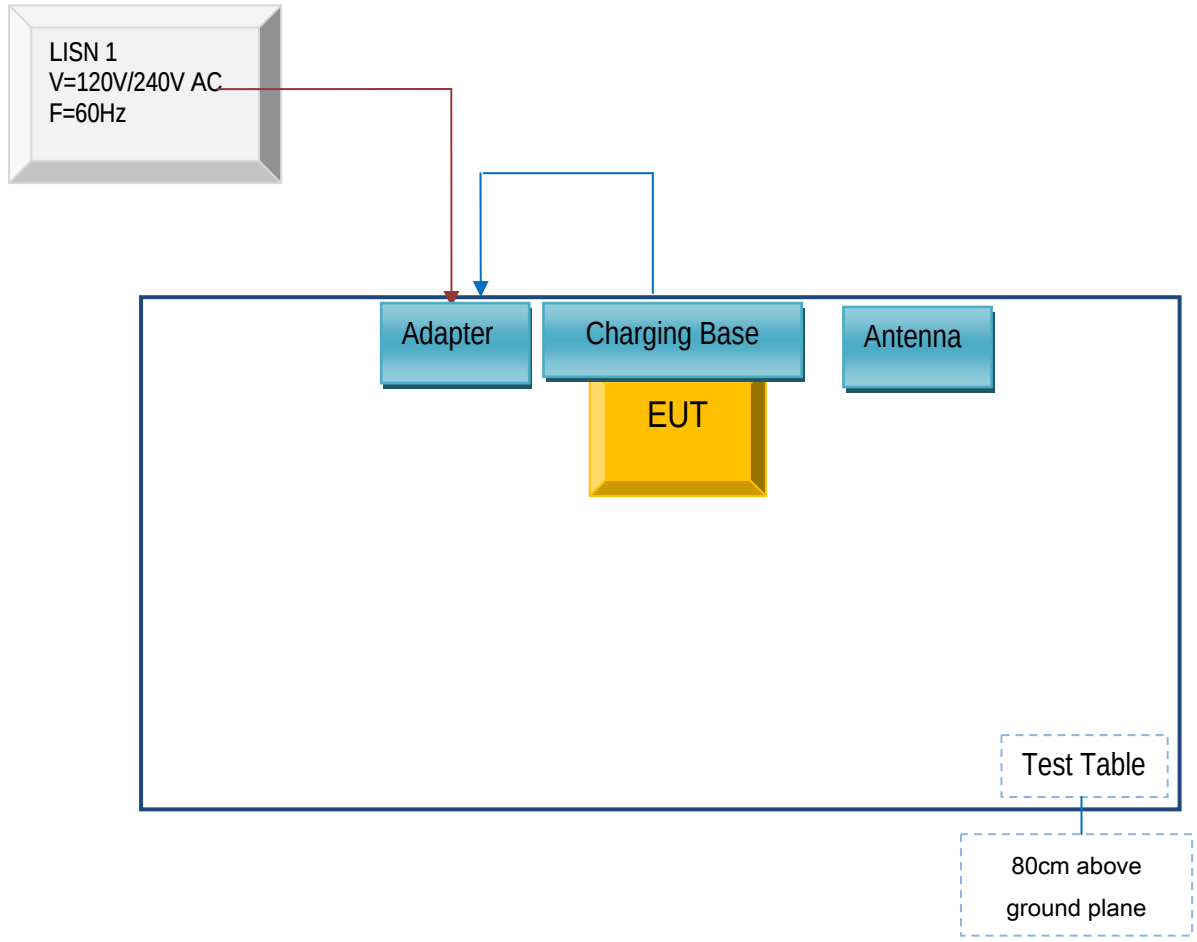
Block Configuration Diagram for Radiated Spurious Emissions Below 1GHz



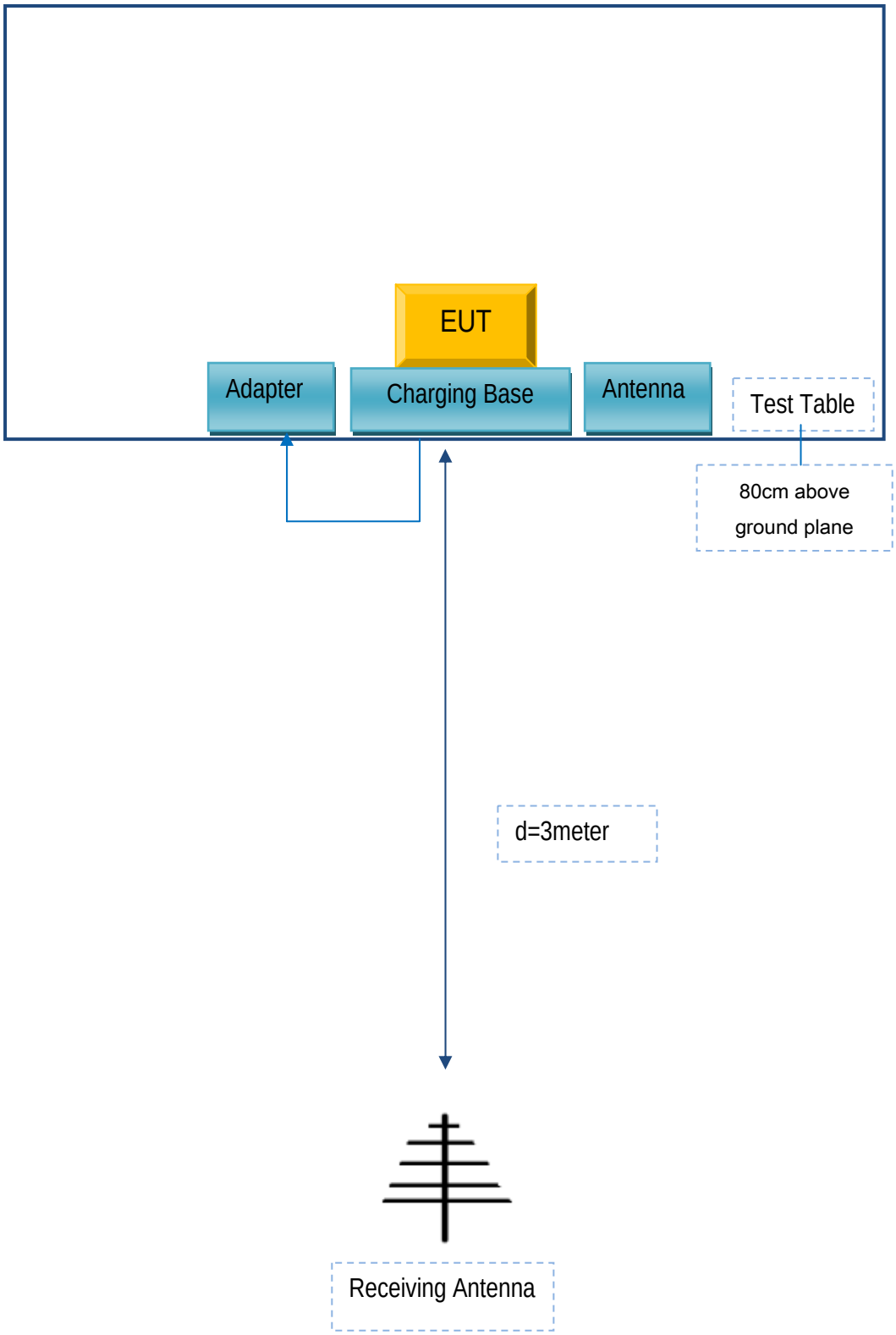
Block Configuration Diagram for Radiated Spurious Emissions Above 1GHz



Block Configuration Diagram for AC Line Conducted Emissions



Block Configuration Diagram for Radiated Spurious Emissions Below 1GHz



Annex C. il. 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
Jethro Trading LTD.	AC Adapter	HJ-050050-US	N/A
Jethro Trading LTD.	Charging Base	SC330	N/A

Supporting Cable:

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

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

Please see the attachment

Annex E. DECLARATION OF SIMILARITY

N/A