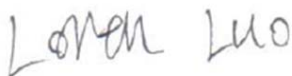
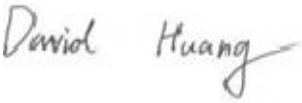



RF TEST REPORT



Report No.: 17070182-FCC-R2

Supersede Report No.: N/A

Applicant	Jethro Trading LTD.	
Product Name	Jethro 3G Senior Cell Phone	
Model No.	SC318	
Serial No.	N/A	
Test Standard	FCC Part 15.247: 2016, ANSI C63.10: 2013	
Test Date	March 15 to March 21, 2017	
Issue Date	March 22, 2017	
Test Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	
Equipment complied with the specification	<input checked="" type="checkbox"/>	
Equipment did not comply with the specification	<input type="checkbox"/>	
		
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

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Laboratories Introduction

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



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

Accreditations for Conformity Assessment

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

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1. Report Revision History

Report No.	Report Version	Description	Issue Date
17070182-FCC-R2	NONE	Original	March 22, 2017

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 exhibition 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

4. Equipment under Test (EUT) Information

Description of EUT:	Jethro 3G Senior Cell Phone
Main Model:	SC318
Serial Model:	N/A
Date EUT received:	March 14, 2017
Test Date(s):	March 15 to March 21, 2017
Equipment Category :	DSS
Antenna Gain:	GSM850: 0.5dBi PCS1900: 1.0dBi UMTS-FDD Band V: 1.0dBi UMTS-FDD Band II: 1.0dBi Bluetooth: 0.5dBi
Antenna Type:	GSM/PCS/UMTS-FDD :PIFA antenna BT : Monopole antenna
Type of Modulation:	GSM / GPRS: GMSK EGPRS: GMSK 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
Max. Output Power:	2.376dBm

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Number of Channels: GSM 850: 124CH
PCS1900: 299CH
UMTS-FDD Band V: 102CH
UMTS-FDD Band II: 277CH
Bluetooth: 79CH

Port: USB Port, Earphone Port

Input Power: Adapter:
Model: HJ-050050-US
Input: AC100-240V~50/60Hz,0.1A
Output: DC 5.0V,500mA
Battery:
Model:SC318
Spec: 3.7V,800mAh,2.96Wh
Voltage: 4.2V

Trade Name : Jethro

FCC ID: 2AAWJSC318

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

Parameter	Uncertainty
AC Power Line Conducted Emissions (150kHz~30MHz)	$\pm 3.71\text{dB}$
Radiated Emission(30MHz~1GHz)	$\pm 5.12\text{dB}$
Radiated Emission(1GHz~6GHz)	$\pm 5.34\text{dB}$

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 antenna:

A permanently attached Monopole antenna for Bluetooth, the gain is 0.5dBi for Bluetooth. A permanently attached PIFA antenna for GSM/PCS/UMTS-FDD, the gain is 0.5dBi for GSM. the gain is 1.0dBi for PCS/UMTS-FDD.


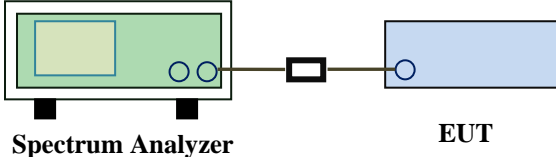
The antenna meets up with the ANTENNA REQUIREMENT.

Result: Compliance.

6.2 Channel Separation

Temperature	25 °C
Relative Humidity	53%
Atmospheric Pressure	1020mbar
Test date :	March 20, 2017
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"> - 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	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

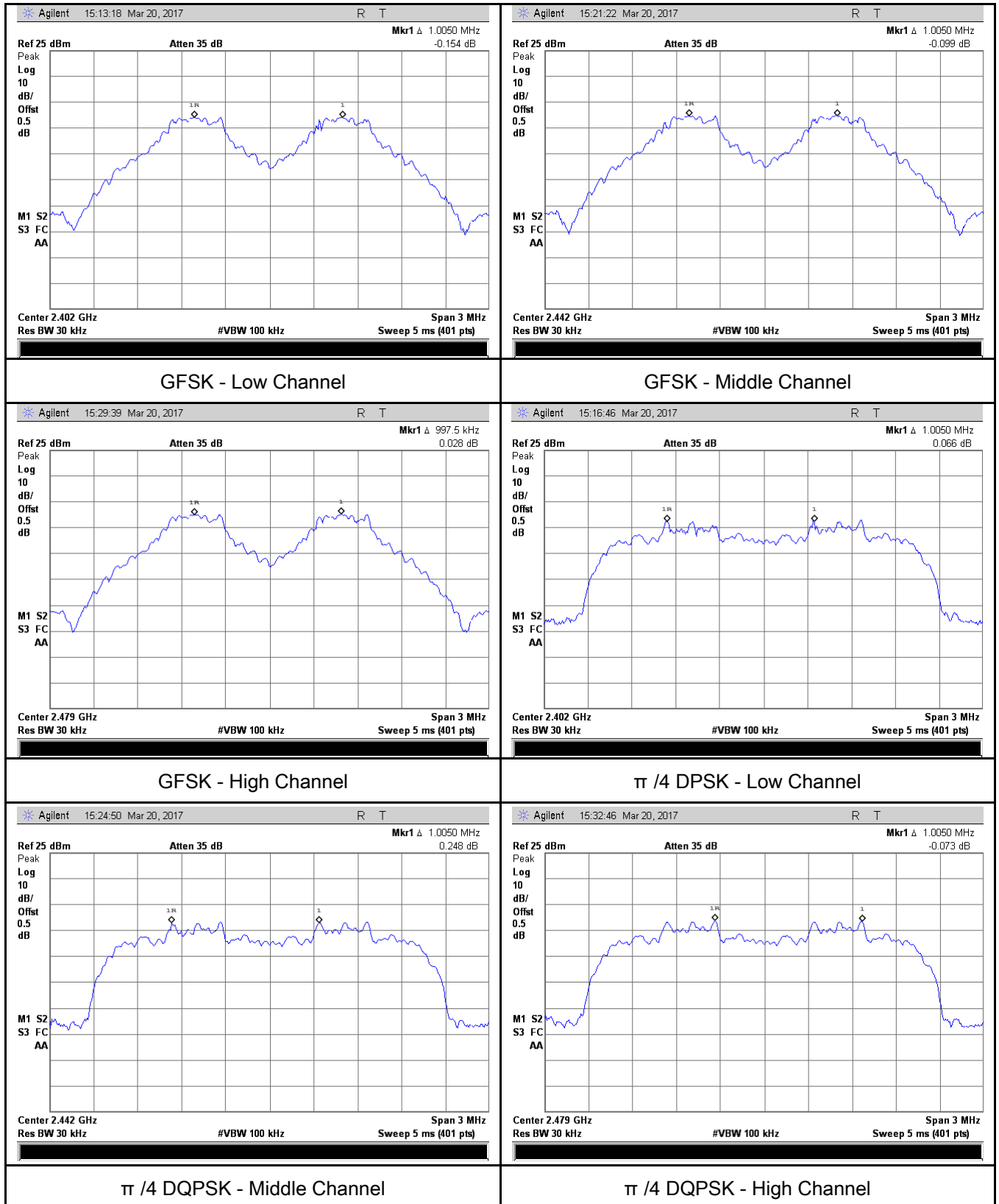
Test Data ☒ Yes ☐ N/A
 Test Plot ☒ Yes (See below) ☐ N/A

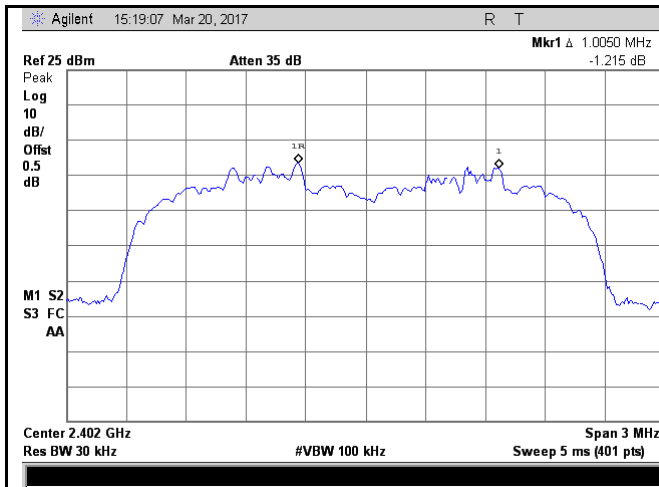
Channel Separation measurement result

Type/ Modulation	CH	CH Frequency (MHz)	CH Separation (MHz)	Limit (MHz)	Result
CH Separation GFSK	Low Channel	2402	1.005	0.688	Pass
	Adjacency Channel	2403			
	Mid Channel	2440	1.005	0.997	Pass
	Adjacency Channel	2441			
	High Channel	2480	0.998	0.656	Pass
	Adjacency Channel	2479			
CH Separation $\pi/4$ DQPSK	Low Channel	2402	1.005	0.865	Pass
	Adjacency Channel	2403			
	Mid Channel	2440	1.005	0.863	Pass
	Adjacency Channel	2441			
	High Channel	2480	1.005	0.864	Pass
	Adjacency Channel	2479			
CH Separation 8DPSK	Low Channel	2402	1.005	0.873	Pass
	Adjacency Channel	2403			
	Mid Channel	2440	1.005	0.870	Pass
	Adjacency Channel	2441			
	High Channel	2480	1.005	0.863	Pass
	Adjacency Channel	2479			

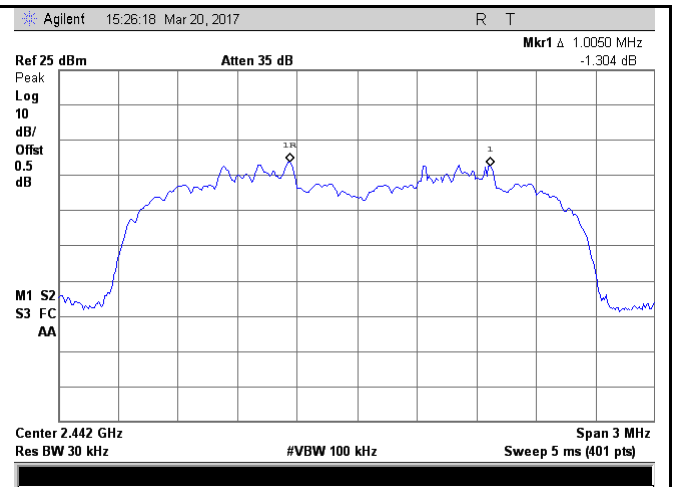
Test Plots

Channel Separation measurement result

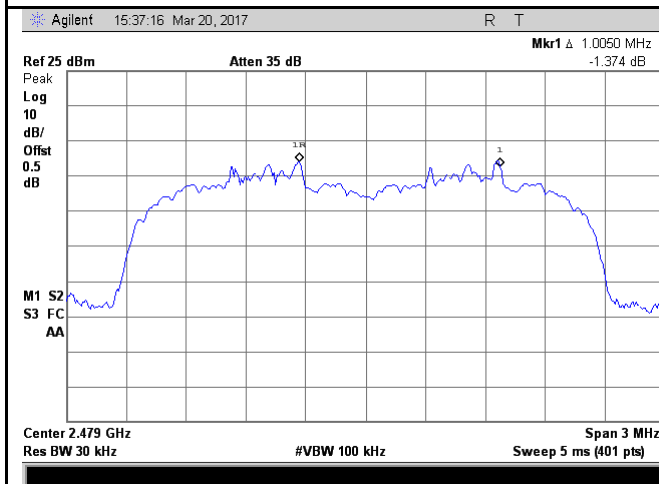




8DPSK - Low Channel



8DPSK - Middle Channel

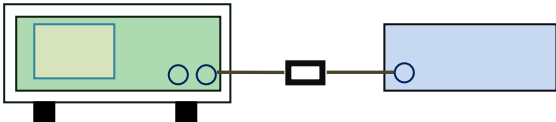


8DPSK - High Channel

6.3 20dB Bandwidth

Temperature	25 °C
Relative Humidity	53%
Atmospheric Pressure	1020mbar
Test date :	March 20, 2017
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"> - Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel - RBW \geq 1% of the 20 dB bandwidth - VBW \geq 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 		

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	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

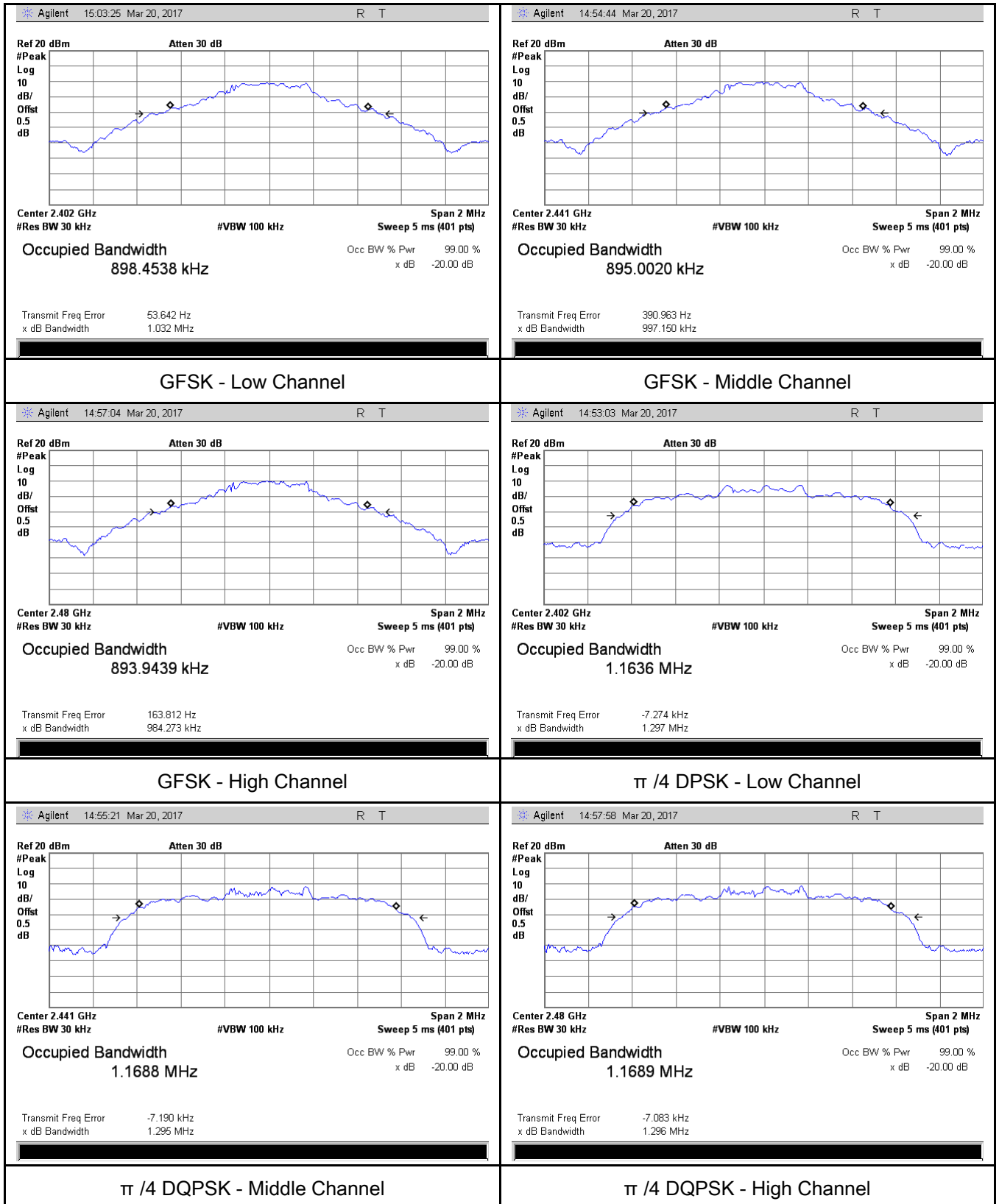
Test Plot ☒ Yes (See below) ☐ N/A

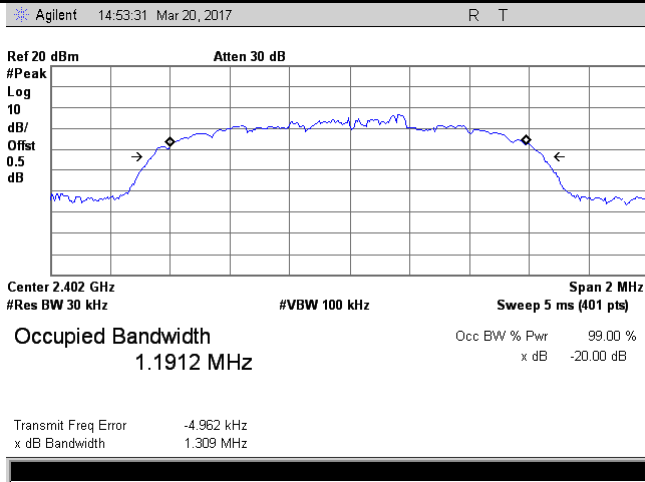
Measurement result

Modulation	CH	CH Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
GFSK	Low	2402	1.032	0.8985
	Mid	2441	0.997	0.8950
	High	2480	0.984	0.8939
$\pi/4$ DQPSK	Low	2402	1.297	1.1636
	Mid	2441	1.295	1.1688
	High	2480	1.296	1.1689
8-DPSK	Low	2402	1.309	1.1912
	Mid	2441	1.305	1.1772
	High	2480	1.294	1.1869

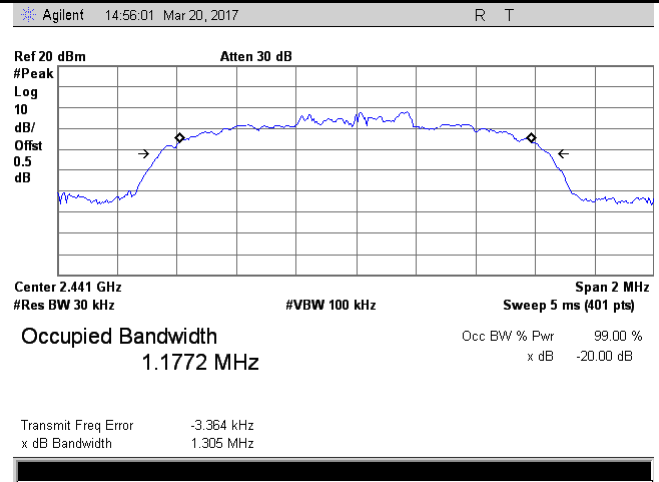
Test Plots

20dB Bandwidth measurement result

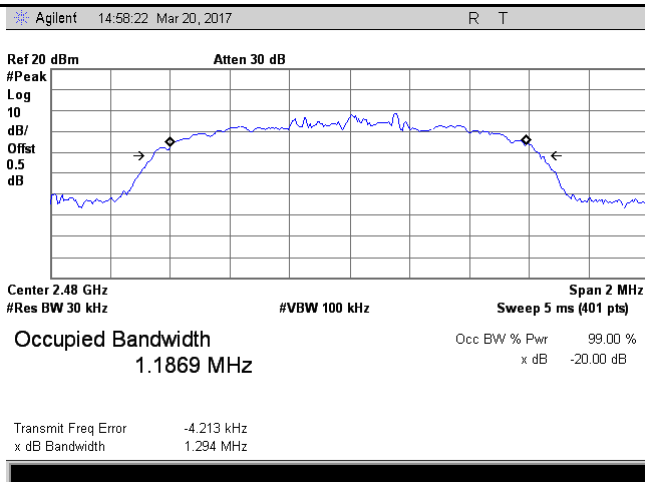




8DPSK - Low Channel



8DPSK - Middle Channel

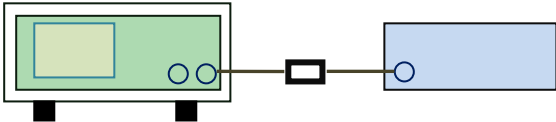


8DPSK - High Channel

6.4 Peak Output Power

Temperature	25 °C
Relative Humidity	53%
Atmospheric Pressure	1020mbar
Test date :	March 20, 2017
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	<input checked="" type="checkbox"/>
	b)	FHSS in 5725-5850MHz: ≤ 1 Watt	<input type="checkbox"/>
	c)	For all other FHSS in the 2400-2483.5MHz band: ≤ 0.125 Watt.	<input checked="" type="checkbox"/>
	d)	FHSS in 902-928MHz with ≥ 50 channels: ≤ 1 Watt	<input type="checkbox"/>
	e)	FHSS in 902-928MHz with ≥ 25 & <50 channels: ≤ 0.25 Watt	<input type="checkbox"/>
	f)	DTS in 902-928MHz, 2400-2483.5MHz: ≤ 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"> - Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel - RBW $>$ the 20 dB bandwidth of the emission being measured - VBW \geq RBW - Sweep = auto - Detector function = peak - Trace = max hold - Allow the trace to stabilize. 		

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	<p>- Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power (see the note above regarding external attenuation and cable loss). The limit is specified in one of the subparagraphs of this Section. Submit this plot. A peak responding power meter may be used instead of a spectrum analyzer.</p>
Remark	
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data ☒ Yes ☐ N/A

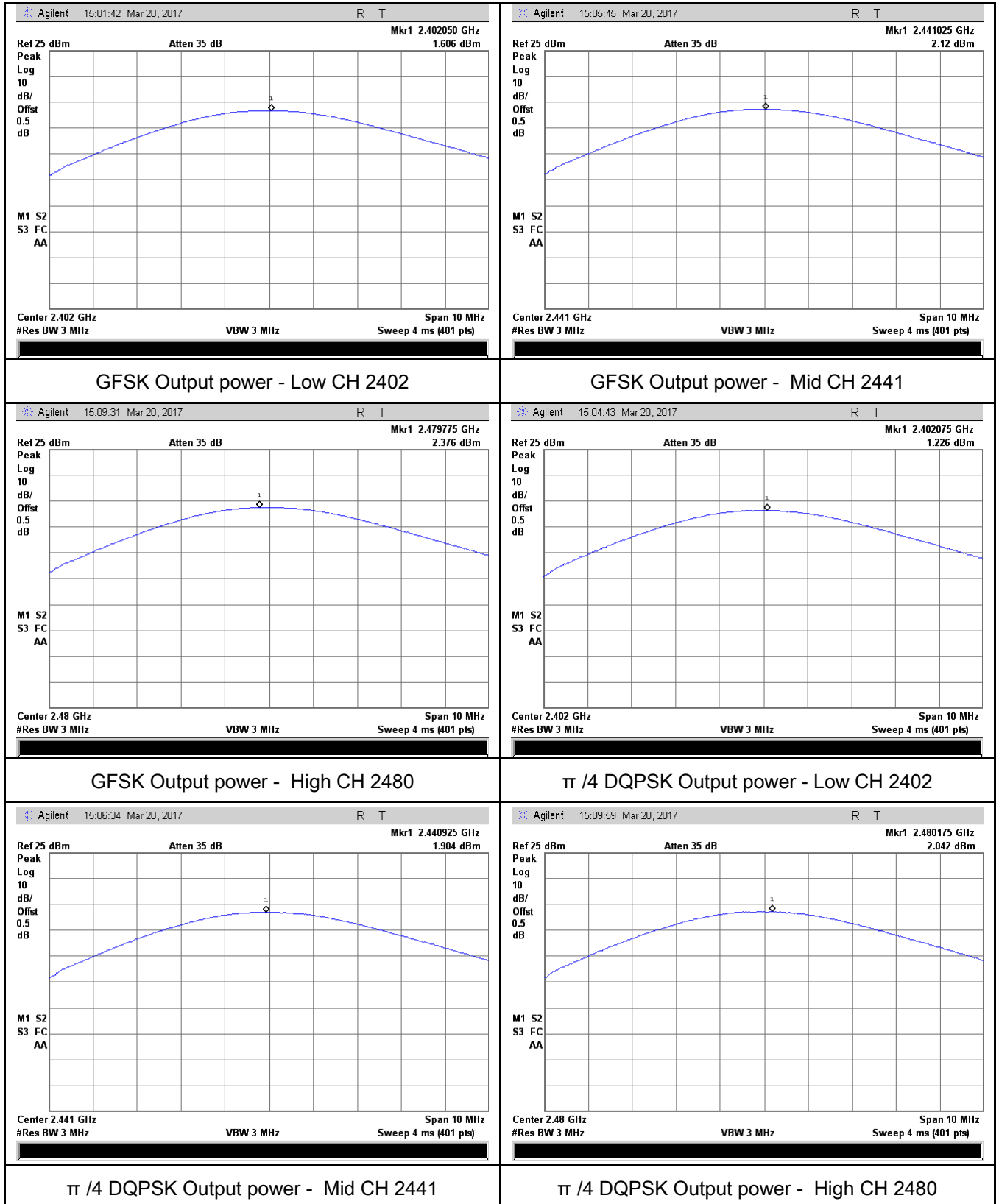
Test Plot ☒ Yes (See below) ☐ N/A

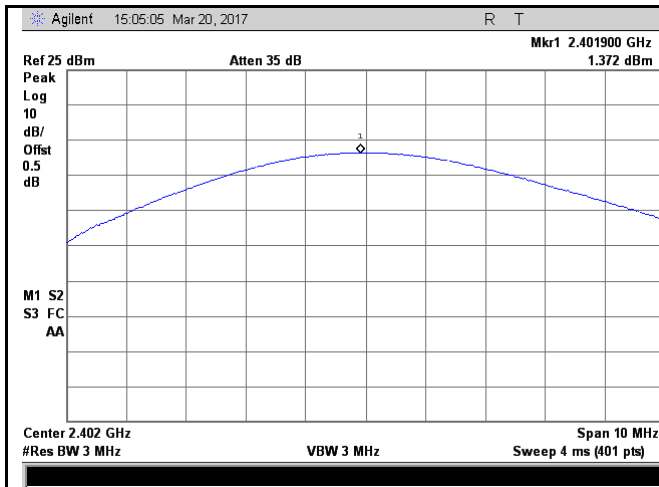
Peak Output Power measurement result

Type	Modulation	CH	Frequency (MHz)	Conducted Power (dBm)	Limit (mW)	Result
Output power	GFSK	Low	2402	1.606	125	Pass
		Mid	2441	2.120	1000	Pass
		High	2480	2.376	1000	Pass
	$\pi/4$ DQPSK	Low	2402	1.226	125	Pass
		Mid	2441	1.904	125	Pass
		High	2480	2.042	125	Pass
	8-DPSK	Low	2402	1.372	125	Pass
		Mid	2441	1.915	125	Pass
		High	2480	2.219	125	Pass

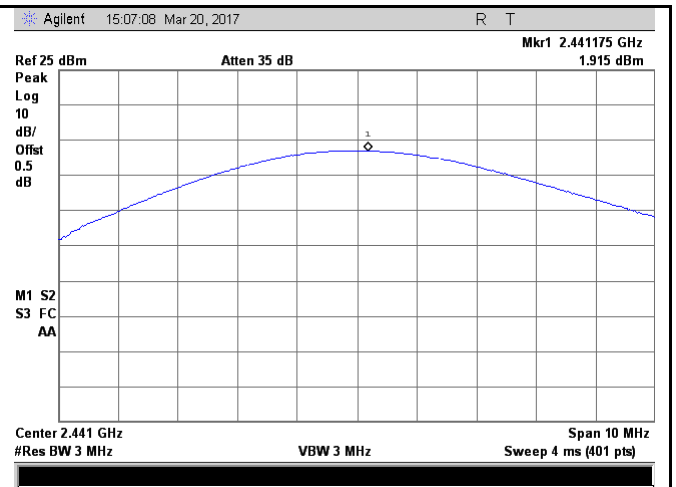
Test Plots

Output Power measurement result

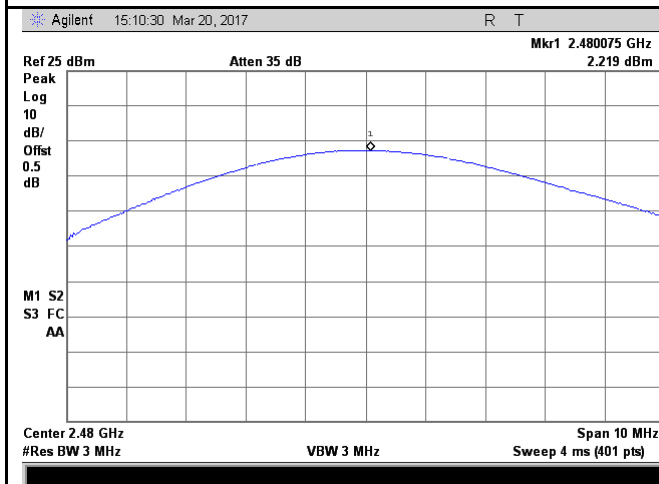




8DPSK Output power - Low CH 2402



8DPSK Output power - Mid CH 2441

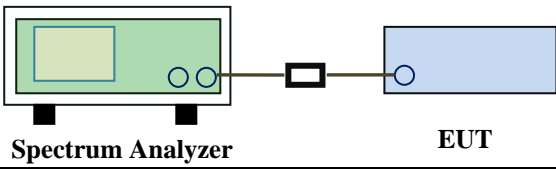


8DPSK Output power - High CH 2480

6.5 Number of Hopping Channel

Temperature	25 °C
Relative Humidity	53%
Atmospheric Pressure	1020mbar
Test date :	March 20, 2017
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"> - 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	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		

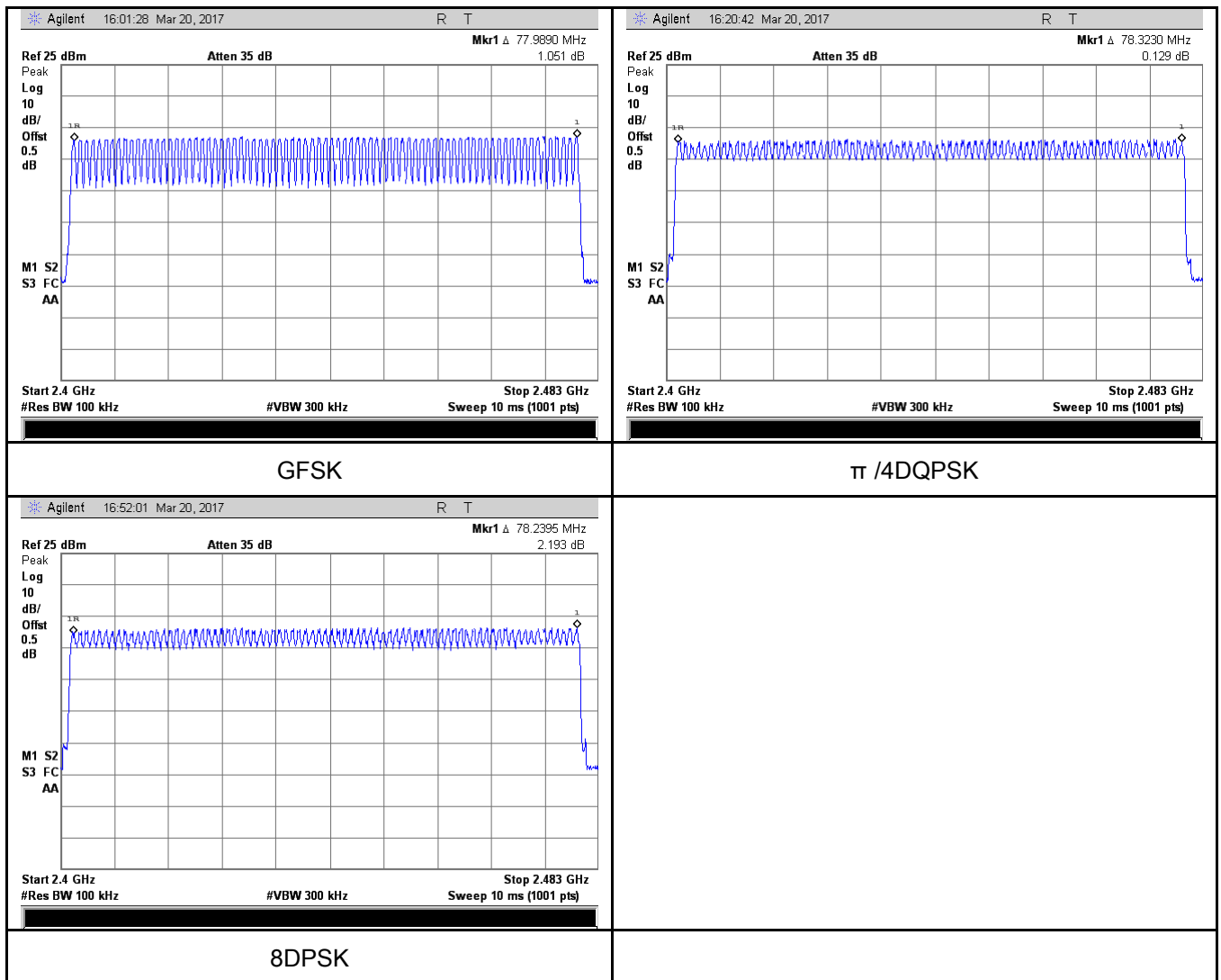
Test Data ☒ Yes ☐ N/A
 Test Plot ☒ Yes (See below) ☐ N/A

Number of Hopping Channel measurement result

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

Test Plots

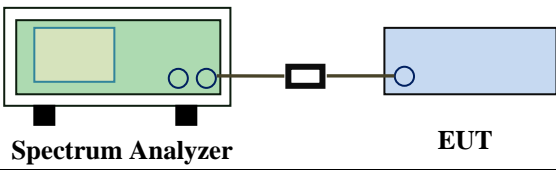
Number of Hopping Channels measurement result



6.6 Time of Occupancy (Dwell Time)

Temperature	25 °C
Relative Humidity	53%
Atmospheric Pressure	1020mbar
Test date :	March 20, 2017
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"> - 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 - use the marker-delta function to determine the dwell time 		
Remark			
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		

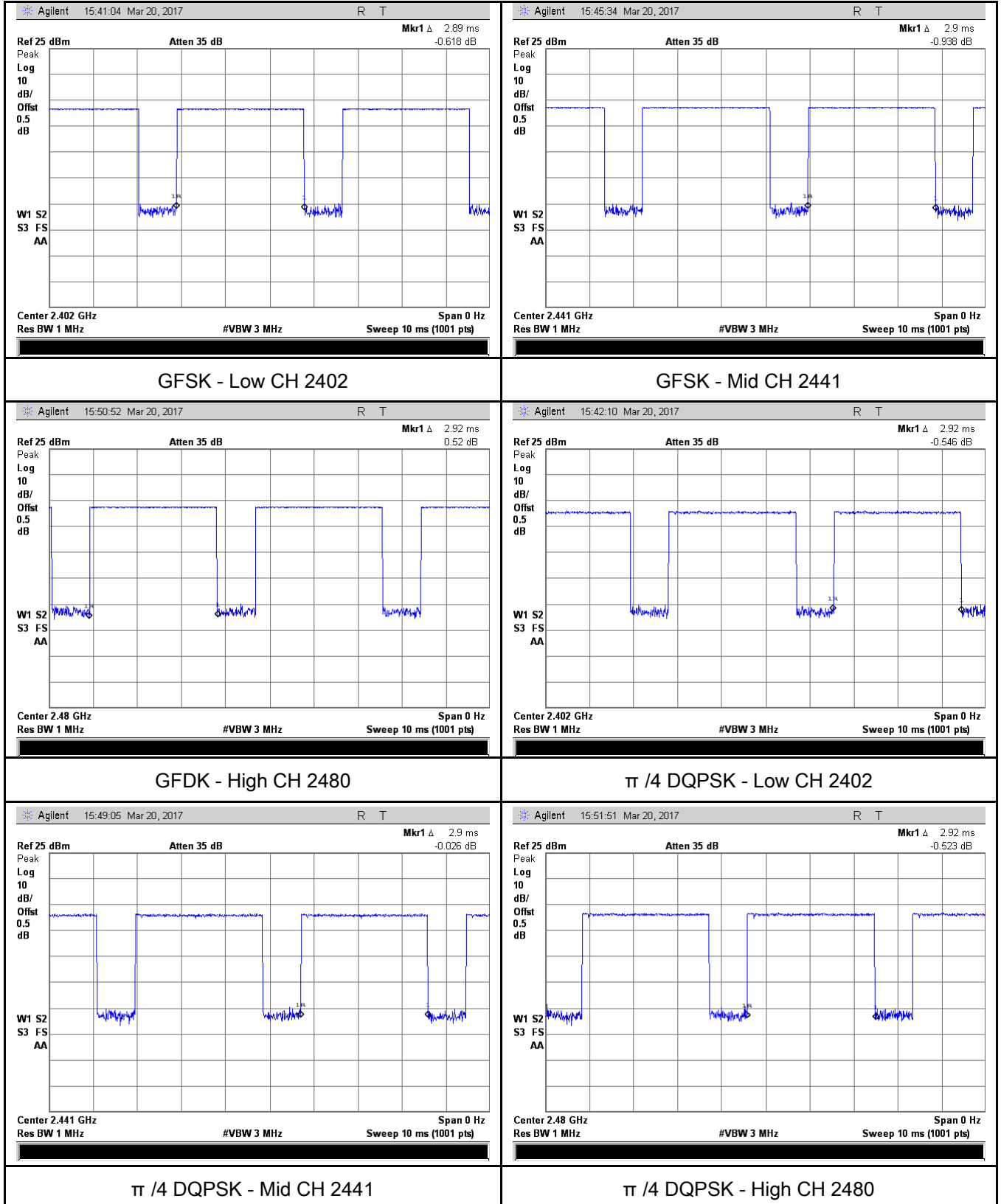
Test Data ☒ Yes ☐ N/A

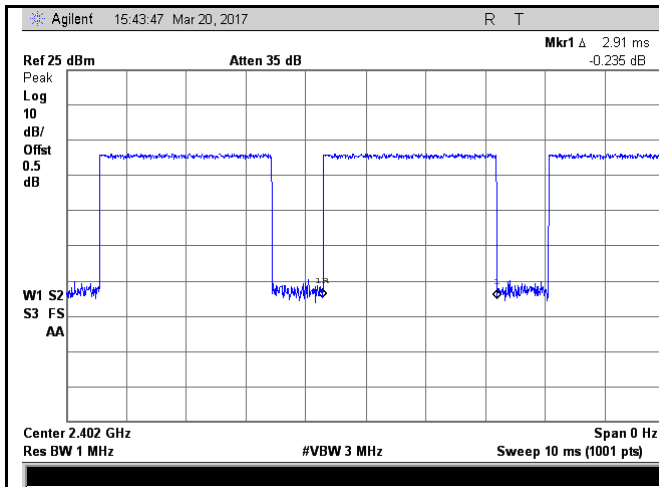
Test Plot ☒ Yes (See below) ☐ N/A

Type	Modulation	CH	Pulse Width (ms)	Dwell Time (ms)	Limit (ms)	Result
Dwell Time	GFSK	Low	2.89	308.267	400	Pass
		Mid	2.90	309.333	400	Pass
		High	2.92	311.467	400	Pass
	$\pi/4$ DQPSK	Low	2.92	311.467	400	Pass
		Mid	2.90	309.333	400	Pass
		High	2.92	311.467	400	Pass
	8-DPSK	Low	2.91	310.400	400	Pass
		Mid	2.90	309.333	400	Pass
		High	2.92	311.467	400	Pass
Note: Dwell time=Pulse Time (ms) \times (1600 \div 6 \div 79) \times 31.6						

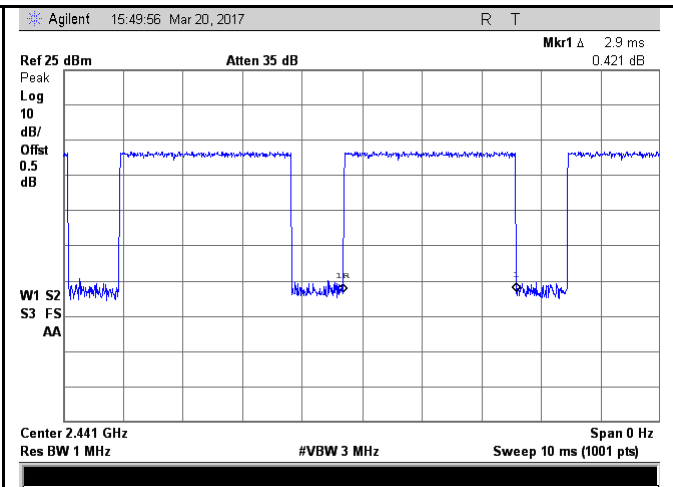
Test Plots

Dwell Time measurement result

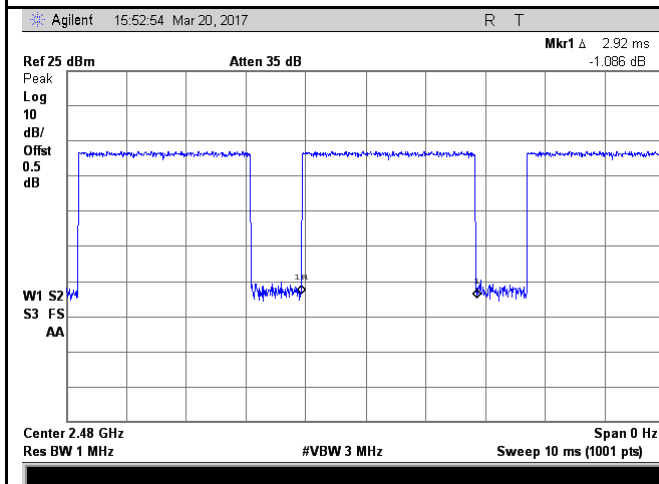




8DPSK - Low CH 2402



8DPSK - Mid CH 2441

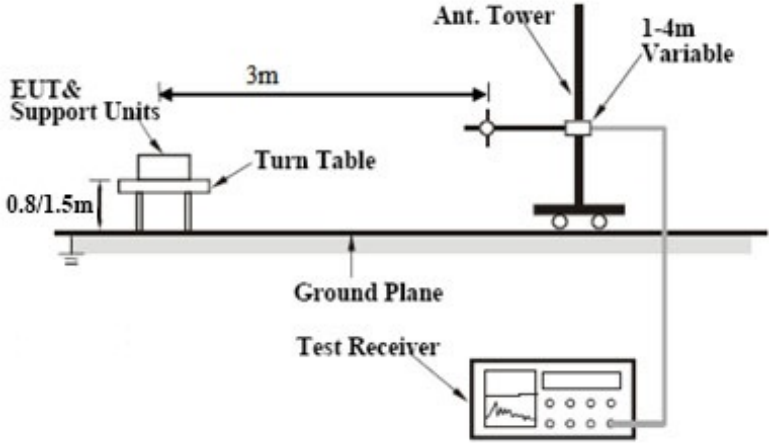


8DPSK - High CH 2480

6.7 Band Edge & Restricted Band

Temperature	22 °C
Relative Humidity	54%
Atmospheric Pressure	1021mbar
Test date :	March 21, 2017
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"> 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, 		

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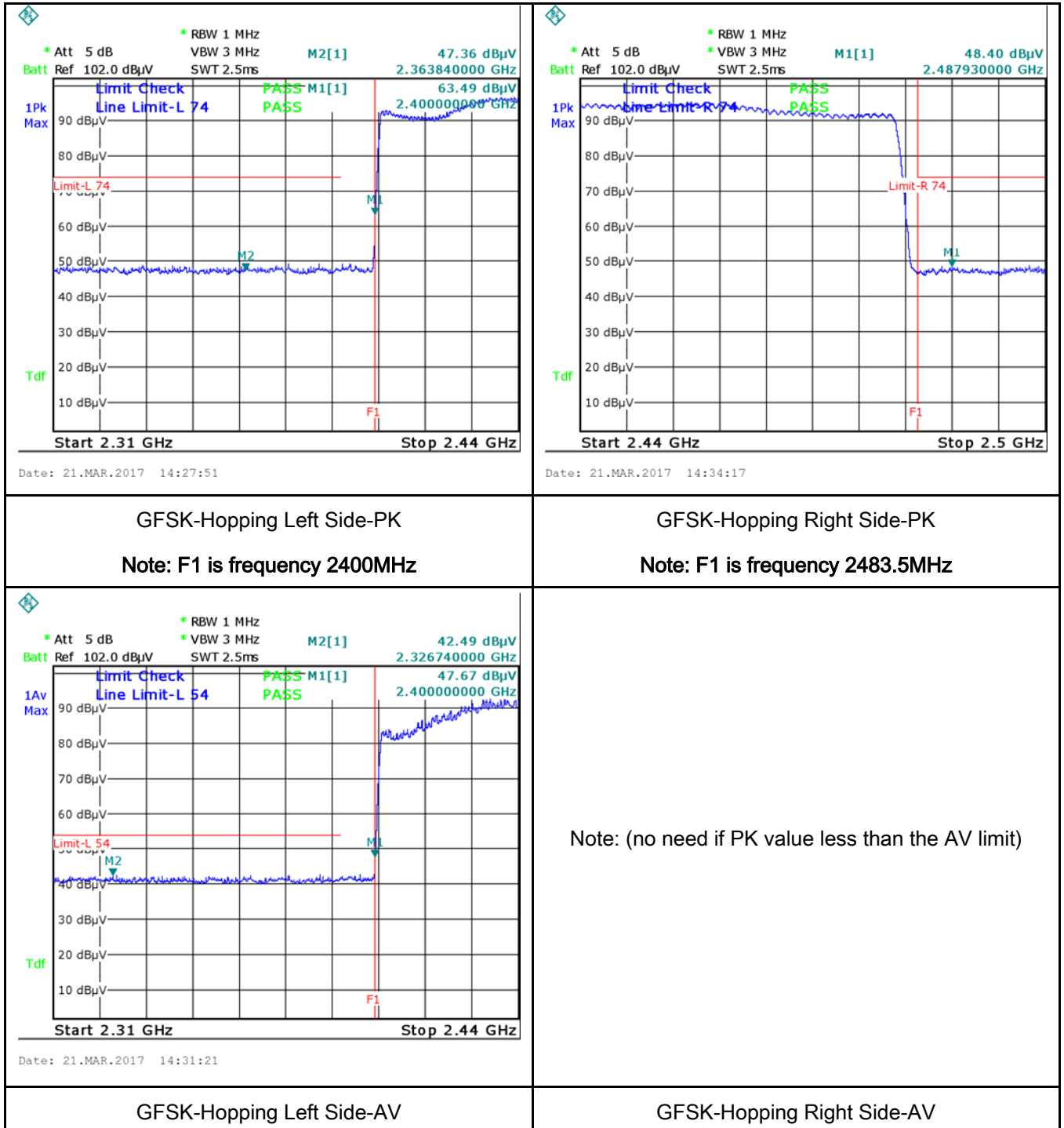
	<p>and make sure the instrument is operated in its linear range.</p> <ul style="list-style-type: none"> - 3. First, set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100kHz bandwidth from band edge, check the emission of EUT, if pass then set Spectrum Analyzer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

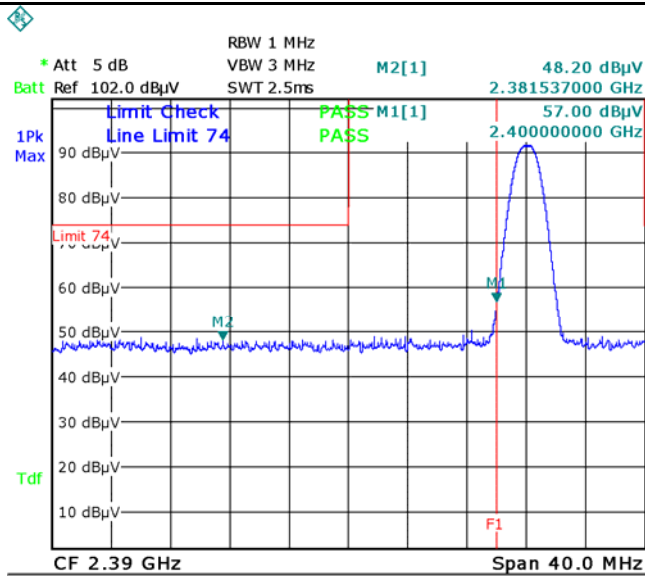
Test Data ☐ Yes ☒ N/A

Test Plot ☒ Yes (See below) ☐ N/A

Test Plots

GFSK Mode:

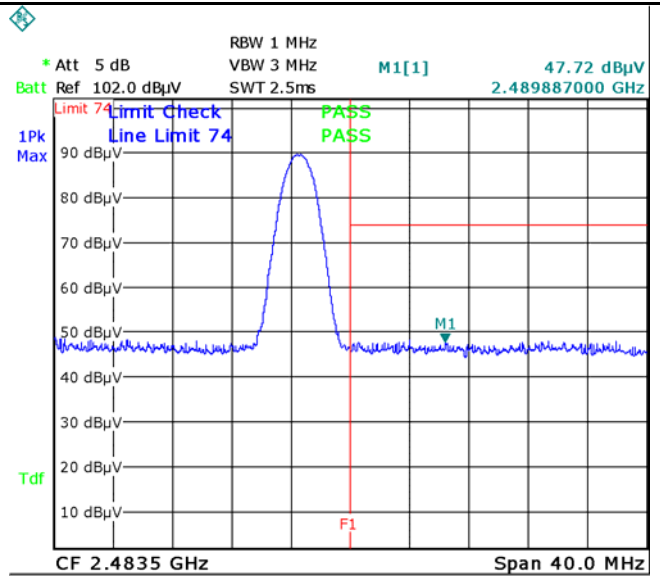




Date: 21.MAR.2017 14:13:00

GFSK-Left Side-PK

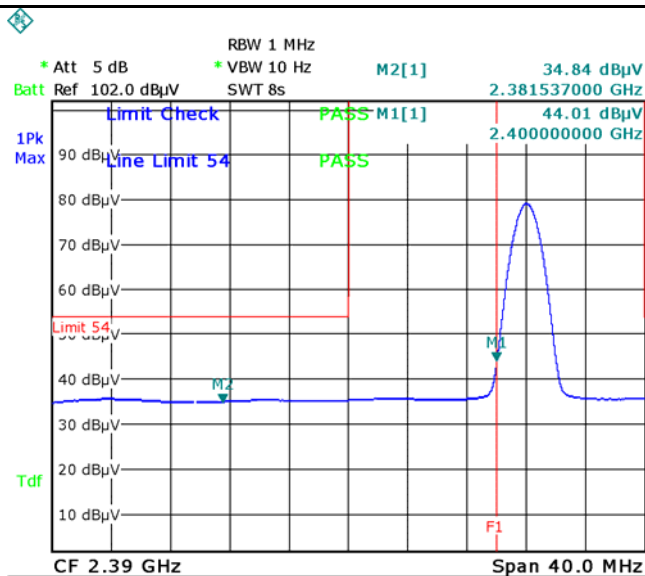
Note: F1 is frequency 2400MHz



Date: 21.MAR.2017 14:22:07

GFSK-Right Side-PK

Note: F1 is frequency 2483.5MHz



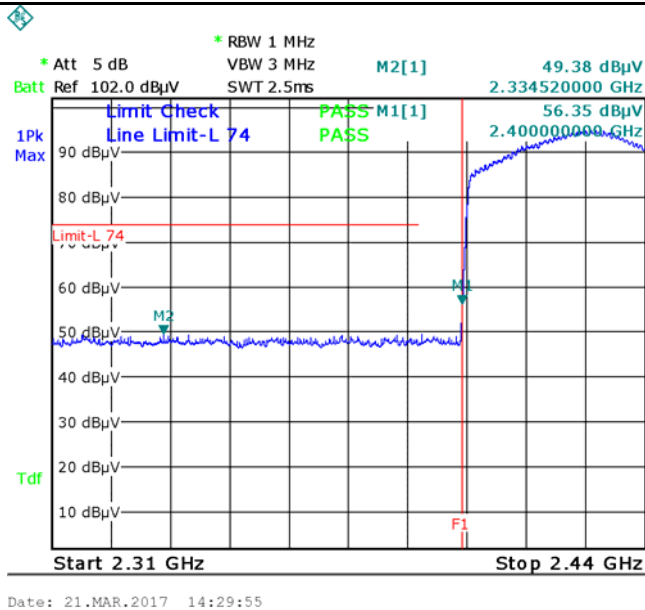
Date: 21.MAR.2017 14:13:54

GFSK-Left Side-AV

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

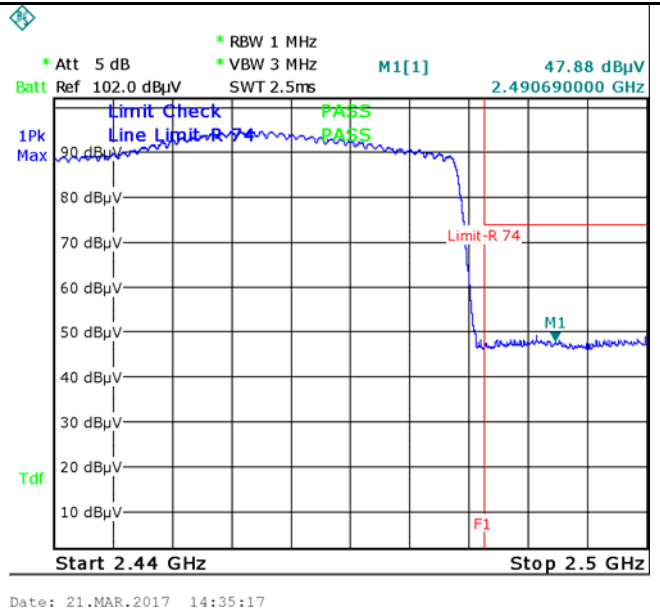
GFSK-Right Side-AV

$\pi/4$ DQPSK Mode:



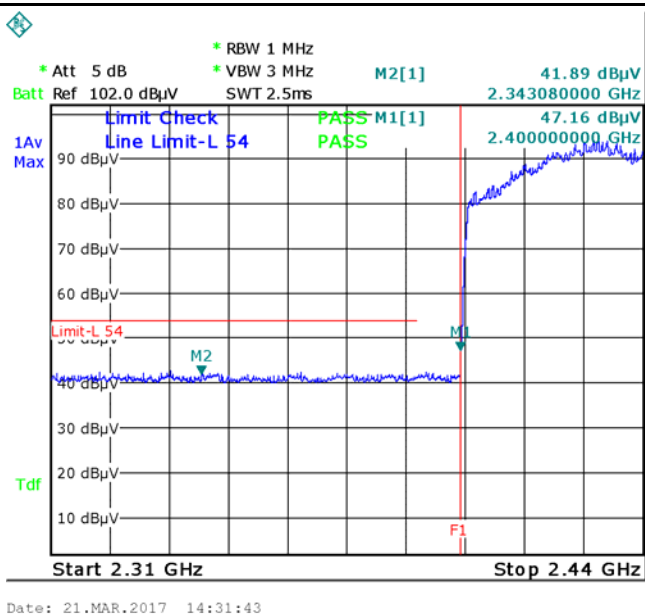
$\pi/4$ DQPSK-Hopping Left Side-PK

Note: F1 is frequency 2400MHz



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

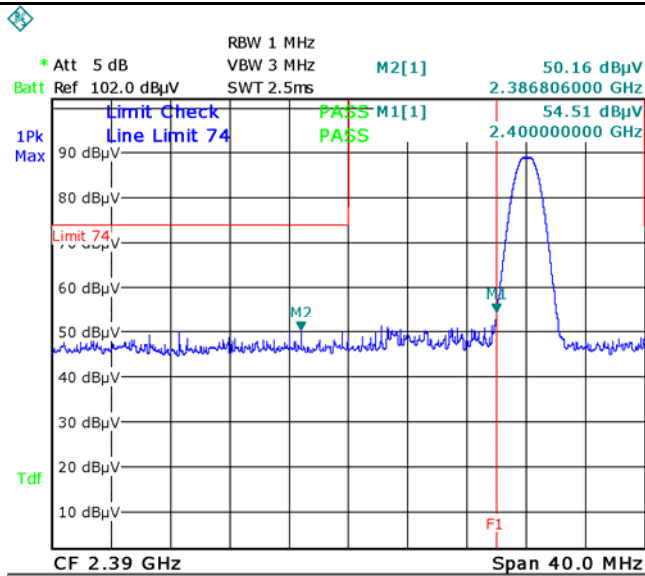
Note: F1 is frequency 2483.5MHz



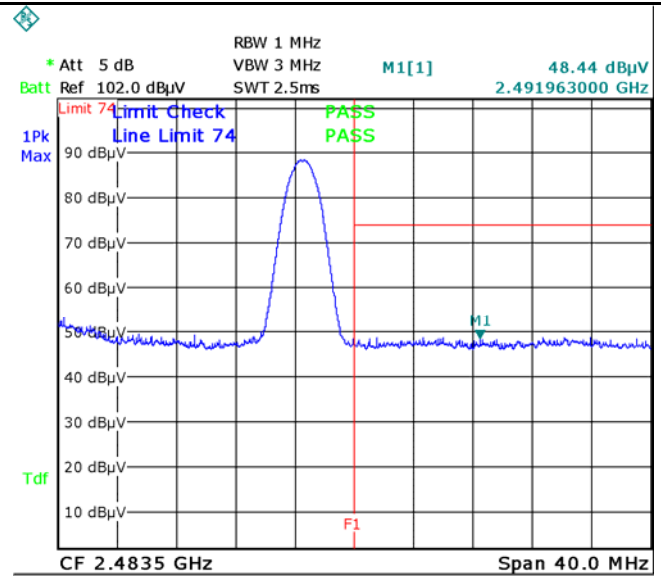
$\pi/4$ DQPSK-Hopping Left-AV

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

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



Date: 21.MAR.2017 14:17:01



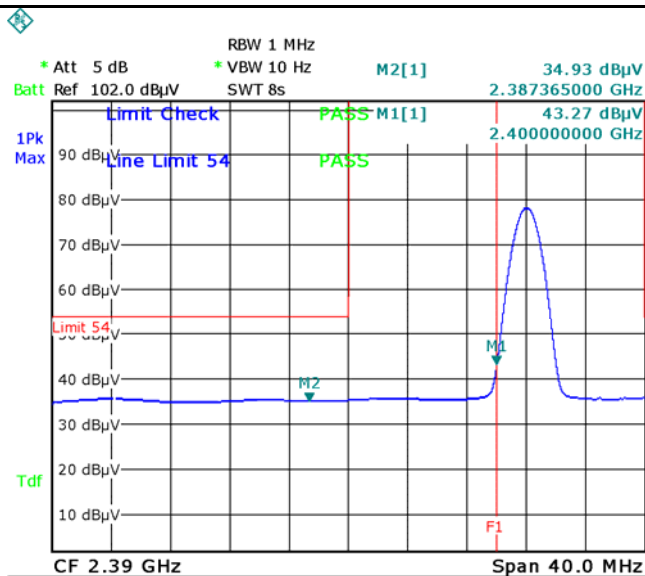
Date: 21.MAR.2017 14:22:32

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

Note: F1 is frequency 2400MHz

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

Note: F1 is frequency 2483.5MHz



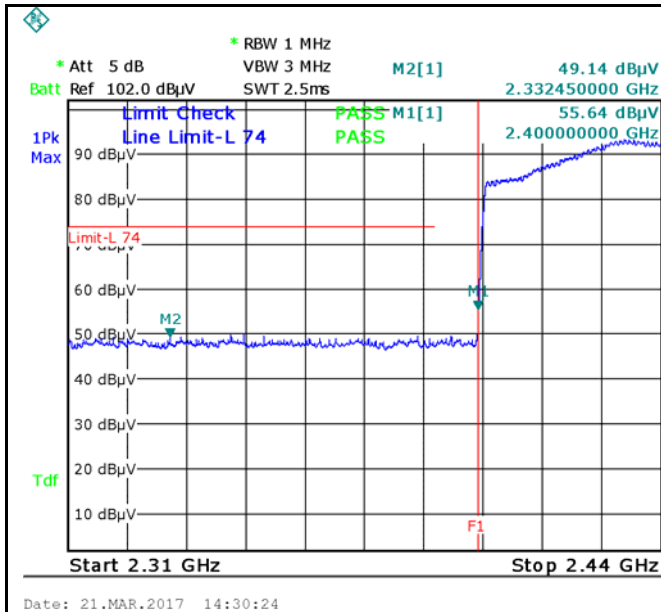
Date: 21.MAR.2017 14:18:28

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

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

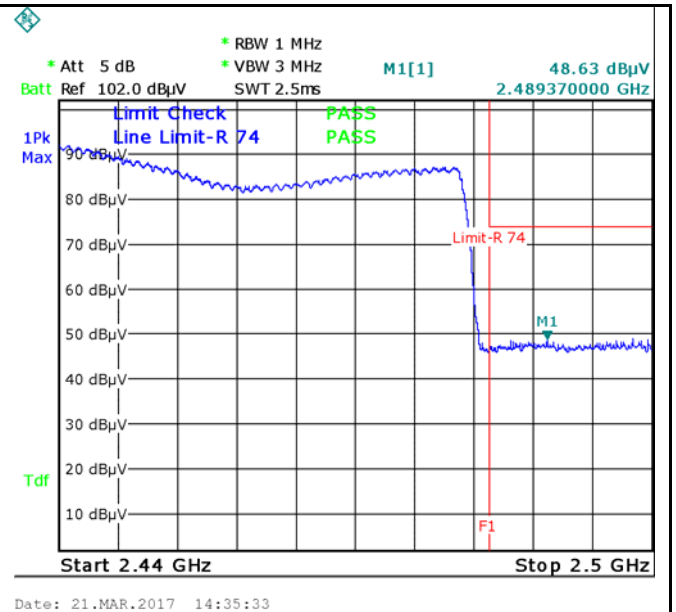
$\pi/4$ DQPSK-Right Side-AV

8-DPSK Mode:



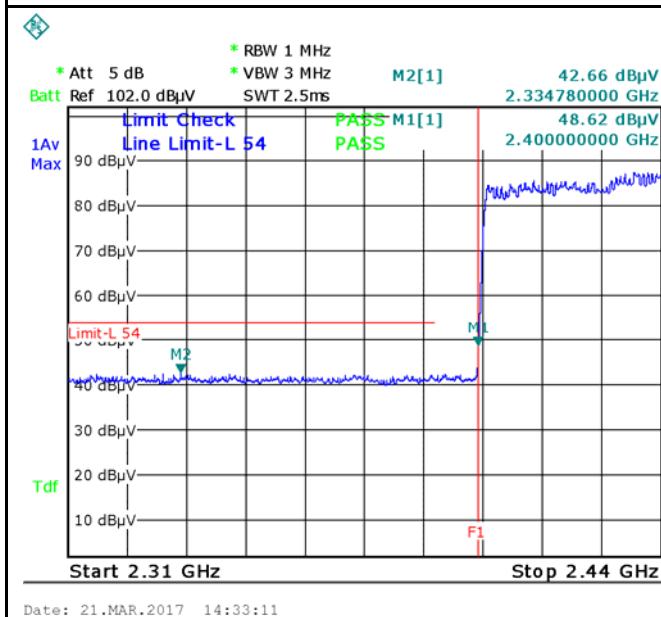
8DPSK-Hopping Left Side-PK

Note: F1 is frequency 2400MHz



8DPSK-Hopping Right Side-PK

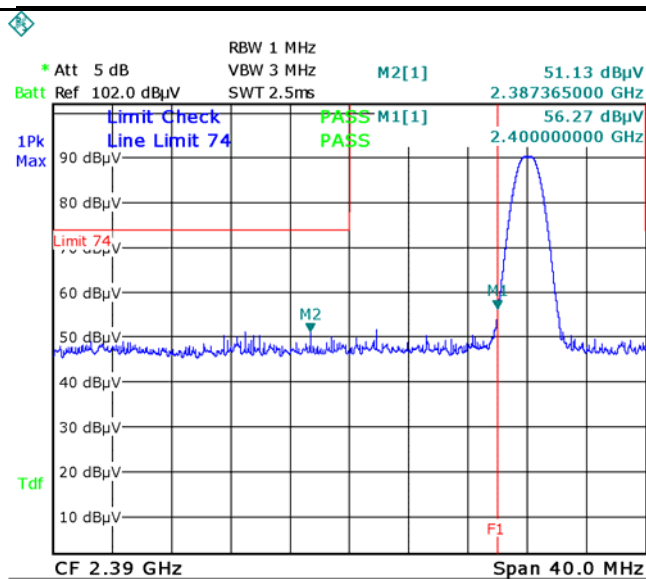
Note: F1 is frequency 2483.5MHz



8DPSK-Hopping Left-AV

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

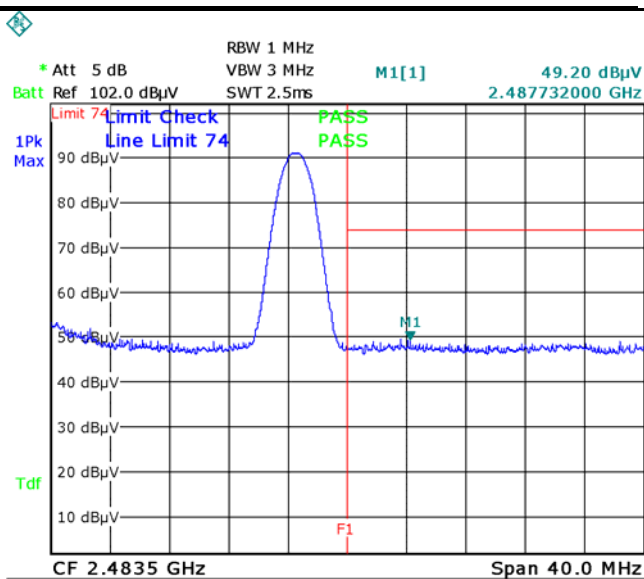
8DPSK-Hopping Right-AV



Date: 21.MAR.2017 14:17:46

8DPSK-Left Side-PK

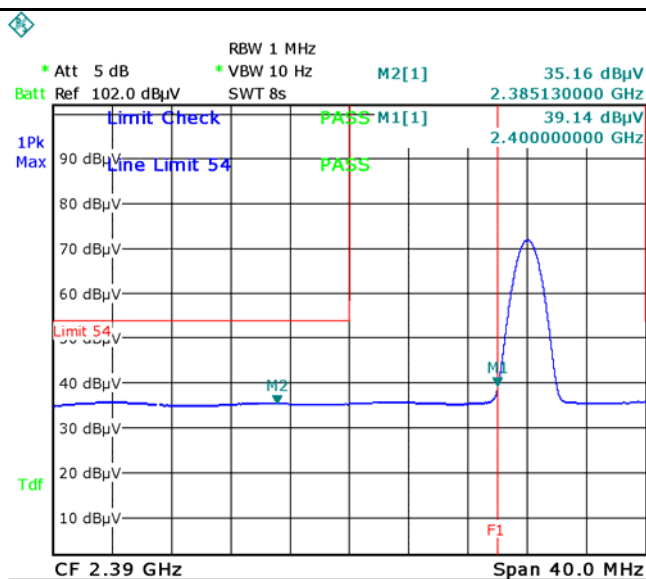
Note: F1 is frequency 2400MHz



Date: 21.MAR.2017 14:22:54

8DPSK-Right Side-PK

Note: F1 is frequency 2483.5MHz



Date: 21.MAR.2017 14:19:42

8DPSK-Left Side-AV

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

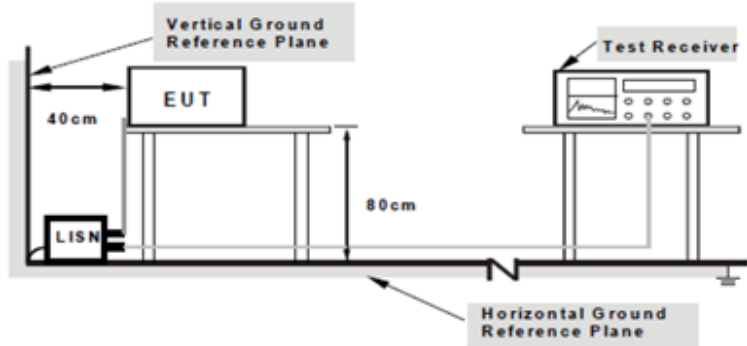
8DPSK-Right Side-AV

6.8 AC Power Line Conducted Emissions

Temperature	24 °C
Relative Humidity	57%
Atmospheric Pressure	1015mbar
Test date :	March 15, 2017
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>
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Procedure	<ol style="list-style-type: none"> 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. The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss
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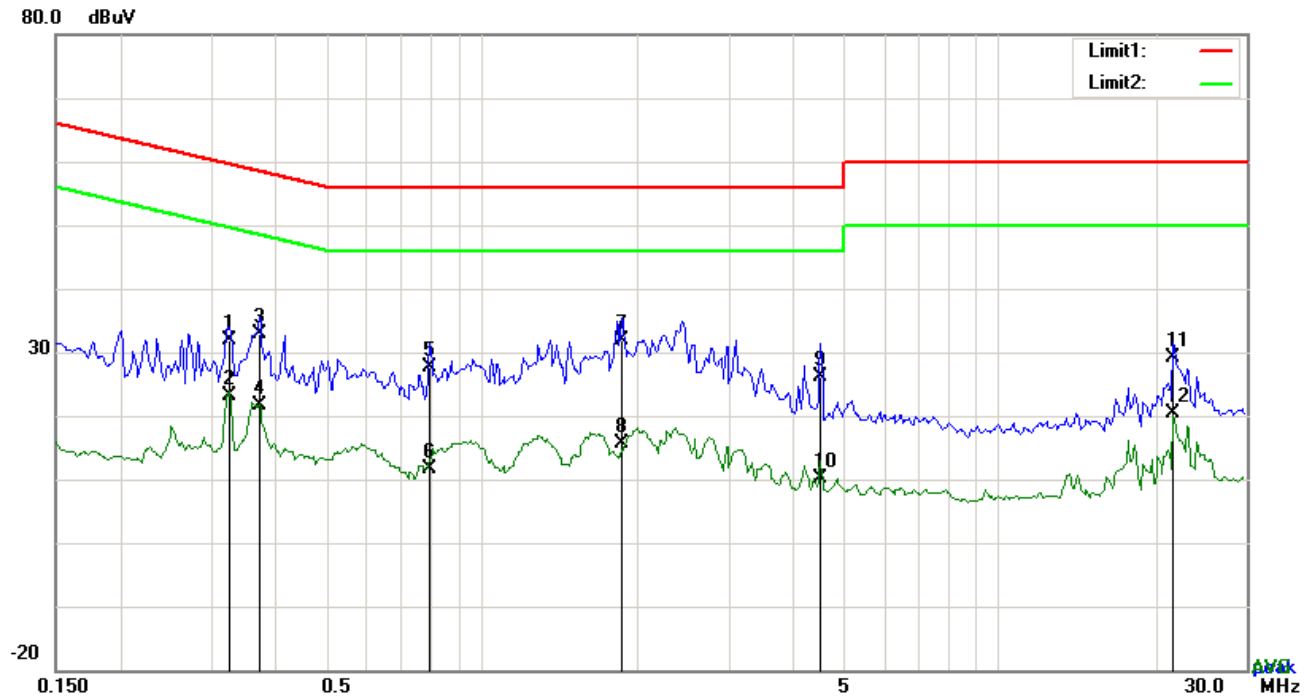
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	<p>coaxial cable.</p> <ol style="list-style-type: none"> 4. All other supporting equipment were powered separately from another main supply. 5. The EUT was switched on and allowed to warm up to its normal operating condition. 6. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) over the required frequency range using an EMI test receiver. 7. High peaks, relative to the limit line, The EMI test receiver was then tuned to the selected frequencies and the necessary measurements made with a receiver bandwidth setting of 10 kHz. 8. Step 7 was then repeated for the LIVE line (for AC mains) or DC line (for DC power).
Remark	
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data ☒ Yes ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A

Test Mode 1:	Transmitting with direct charging Mode
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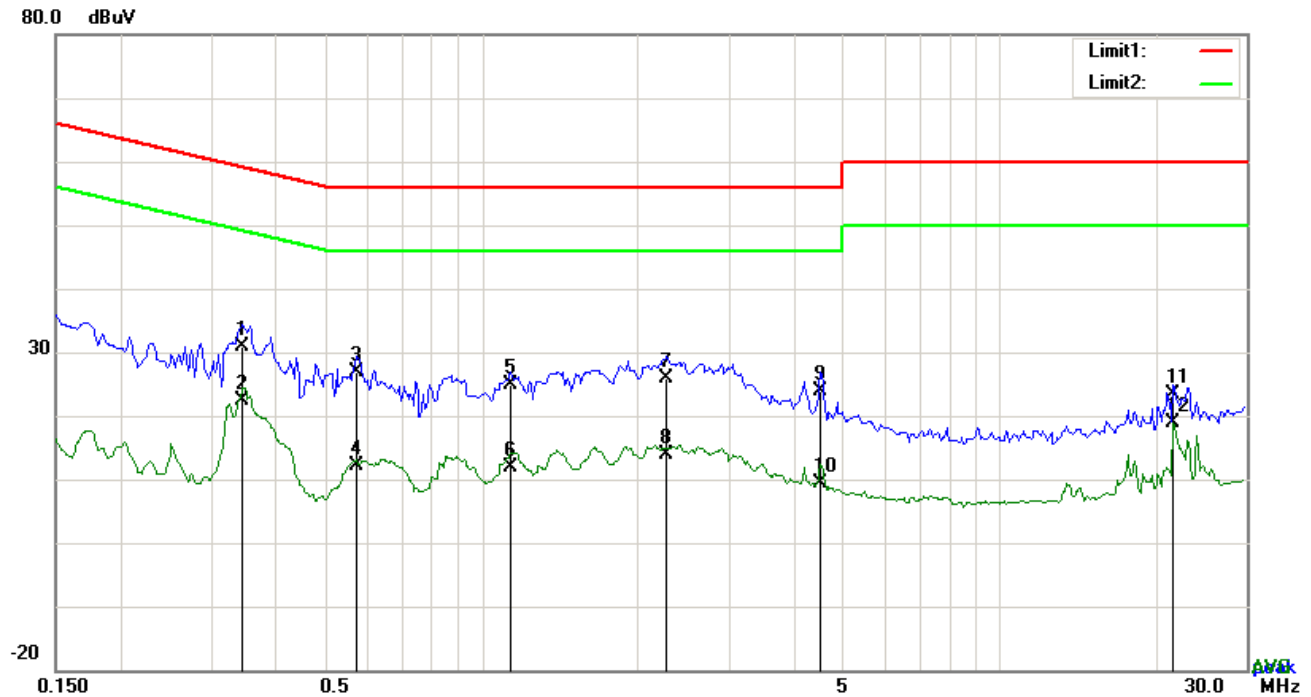


Test Data

Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	L1	0.3255	21.76	QP	10.03	31.79	59.57	-27.78
2	L1	0.3255	13.19	AVG	10.03	23.22	49.57	-26.35
3	L1	0.3723	22.77	QP	10.03	32.80	58.45	-25.65
4	L1	0.3723	11.67	AVG	10.03	21.70	48.45	-26.75
5	L1	0.7935	17.60	QP	10.03	27.63	56.00	-28.37
6	L1	0.7935	1.71	AVG	10.03	11.74	46.00	-34.26
7	L1	1.8660	21.95	QP	10.04	31.99	56.00	-24.01
8	L1	1.8660	5.47	AVG	10.04	15.51	46.00	-30.49
9	L1	4.5093	16.02	QP	10.07	26.09	56.00	-29.91
10	L1	4.5093	0.08	AVG	10.07	10.15	46.00	-35.85
11	L1	21.6654	18.71	QP	10.33	29.04	60.00	-30.96
12	L1	21.6654	10.04	AVG	10.33	20.37	50.00	-29.63

Test Mode 1:	Transmitting with direct charging Mode
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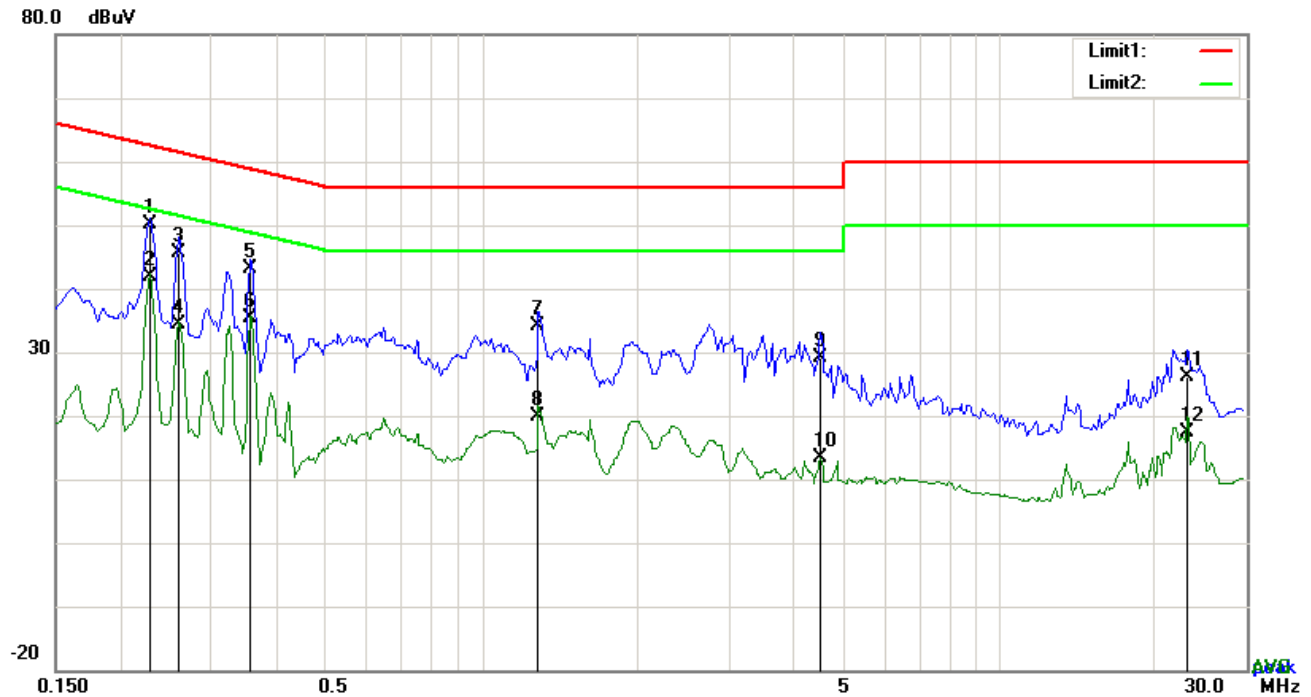


Test Data

Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	N	0.3450	20.89	QP	10.02	30.91	59.08	-28.17
2	N	0.3450	12.27	AVG	10.02	22.29	49.08	-26.79
3	N	0.5712	16.96	QP	10.02	26.98	56.00	-29.02
4	N	0.5712	2.09	AVG	10.02	12.11	46.00	-33.89
5	N	1.1367	14.74	QP	10.03	24.77	56.00	-31.23
6	N	1.1367	1.83	AVG	10.03	11.86	46.00	-34.14
7	N	2.2794	15.92	QP	10.04	25.96	56.00	-30.04
8	N	2.2794	3.82	AVG	10.04	13.86	46.00	-32.14
9	N	4.5210	13.71	QP	10.07	23.78	56.00	-32.22
10	N	4.5210	-0.59	AVG	10.07	9.48	46.00	-36.52
11	N	21.6654	12.99	QP	10.29	23.28	60.00	-36.72
12	N	21.6654	8.49	AVG	10.29	18.78	50.00	-31.22

Test Mode 1:	Transmitting with direct charging Mode
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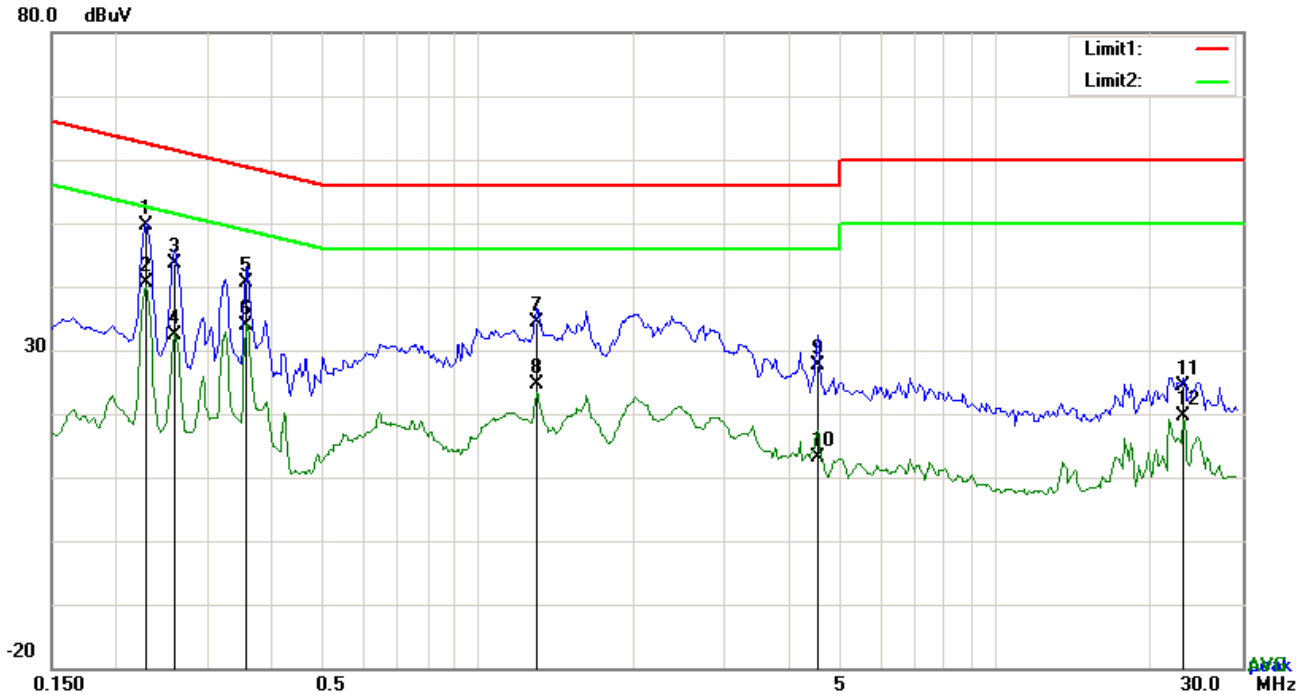


Test Data

Phase Line Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	L1	0.2280	40.14	QP	10.03	50.17	62.52	-12.35
2	L1	0.2280	31.85	AVG	10.03	41.88	52.52	-10.64
3	L1	0.2592	35.57	QP	10.03	45.60	61.46	-15.86
4	L1	0.2592	24.31	AVG	10.03	34.34	51.46	-17.12
5	L1	0.3567	33.10	QP	10.03	43.13	58.80	-15.67
6	L1	0.3567	25.43	AVG	10.03	35.46	48.80	-13.34
7	L1	1.2888	24.03	QP	10.03	34.06	56.00	-21.94
8	L1	1.2888	9.76	AVG	10.03	19.79	46.00	-26.21
9	L1	4.5171	18.97	QP	10.07	29.04	56.00	-26.96
10	L1	4.5171	3.27	AVG	10.07	13.34	46.00	-32.66
11	L1	23.1279	15.70	QP	10.36	26.06	60.00	-33.94
12	L1	23.1279	6.97	AVG	10.36	17.33	50.00	-32.67

Test Mode 1:	Transmitting with direct charging Mode
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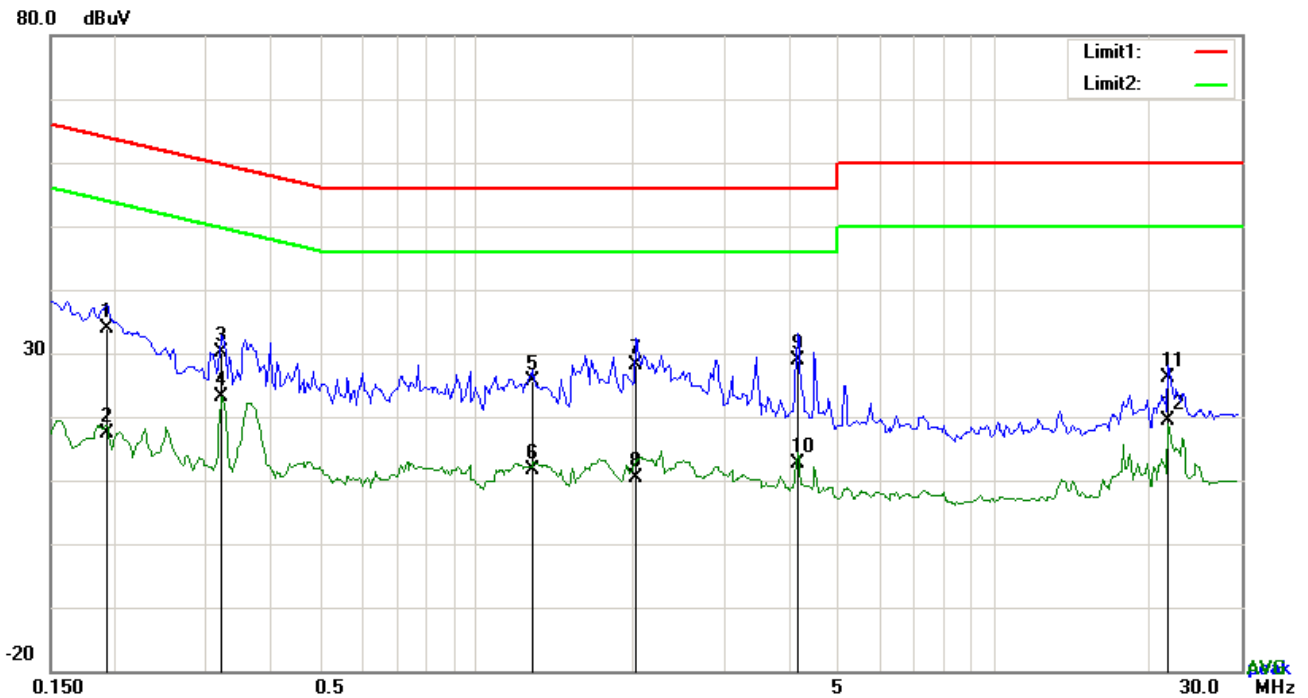


Test Data

Phase Neutral Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	N	0.2280	39.64	QP	10.02	49.66	62.52	-12.86
2	N	0.2280	30.58	AVG	10.02	40.60	52.52	-11.92
3	N	0.2592	33.69	QP	10.02	43.71	61.46	-17.75
4	N	0.2592	22.37	AVG	10.02	32.39	51.46	-19.07
5	N	0.3567	30.73	QP	10.02	40.75	58.80	-18.05
6	N	0.3567	23.89	AVG	10.02	33.91	48.80	-14.89
7	N	1.3005	24.45	QP	10.03	34.48	56.00	-21.52
8	N	1.3005	14.52	AVG	10.03	24.55	46.00	-21.45
9	N	4.5405	17.65	QP	10.07	27.72	56.00	-28.28
10	N	4.5405	3.00	AVG	10.07	13.07	46.00	-32.93
11	N	23.1318	14.04	QP	10.31	24.35	60.00	-35.65
12	N	23.1318	9.31	AVG	10.31	19.62	50.00	-30.38

Test Mode 2: Transmitting with charging by base

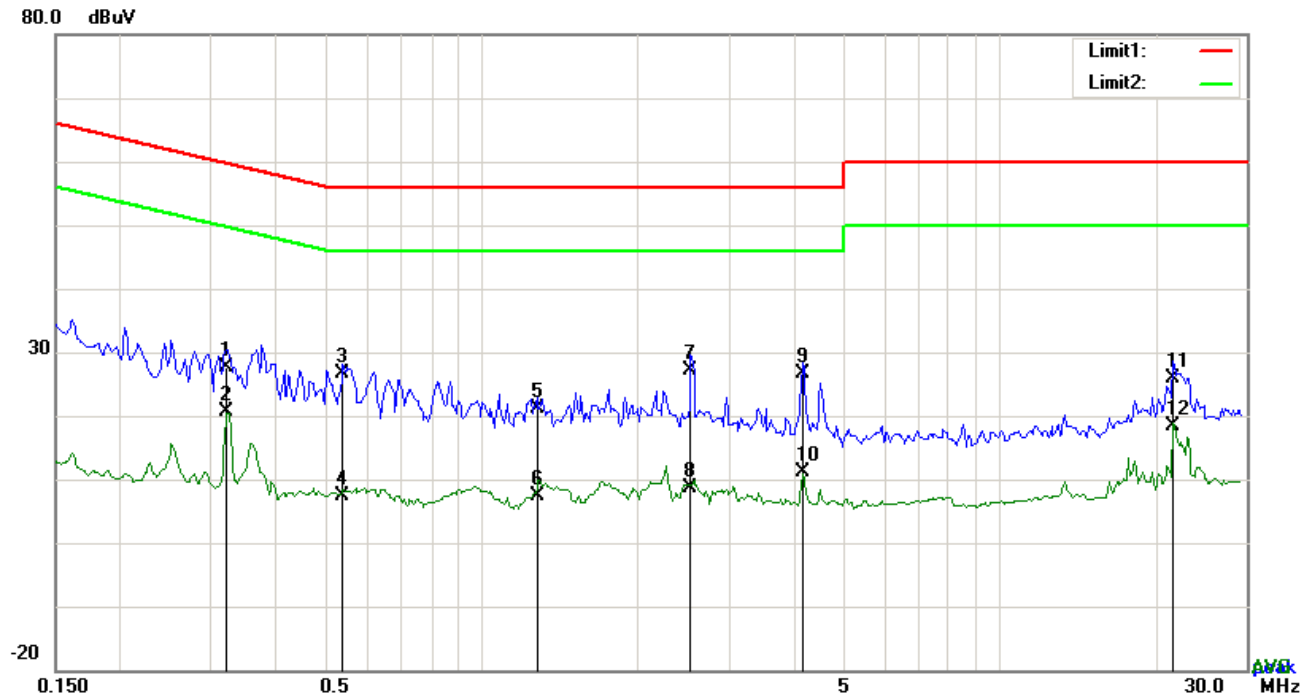


Test Data

Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	L1	0.1929	23.89	QP	10.03	33.92	63.91	-29.99
2	L1	0.1929	7.35	AVG	10.03	17.38	53.91	-36.53
3	L1	0.3216	20.06	QP	10.03	30.09	59.67	-29.58
4	L1	0.3216	13.19	AVG	10.03	23.22	49.67	-26.45
5	L1	1.2771	15.60	QP	10.03	25.63	56.00	-30.37
6	L1	1.2771	1.62	AVG	10.03	11.65	46.00	-34.35
7	L1	2.0298	18.02	QP	10.04	28.06	56.00	-27.94
8	L1	2.0298	0.37	AVG	10.04	10.41	46.00	-35.59
9	L1	4.1739	18.74	QP	10.07	28.81	56.00	-27.19
10	L1	4.1739	2.51	AVG	10.07	12.58	46.00	-33.42
11	L1	21.6654	15.91	QP	10.33	26.24	60.00	-33.76
12	L1	21.6654	8.93	AVG	10.33	19.26	50.00	-30.74

Test Mode 2:	Transmitting with charging by base
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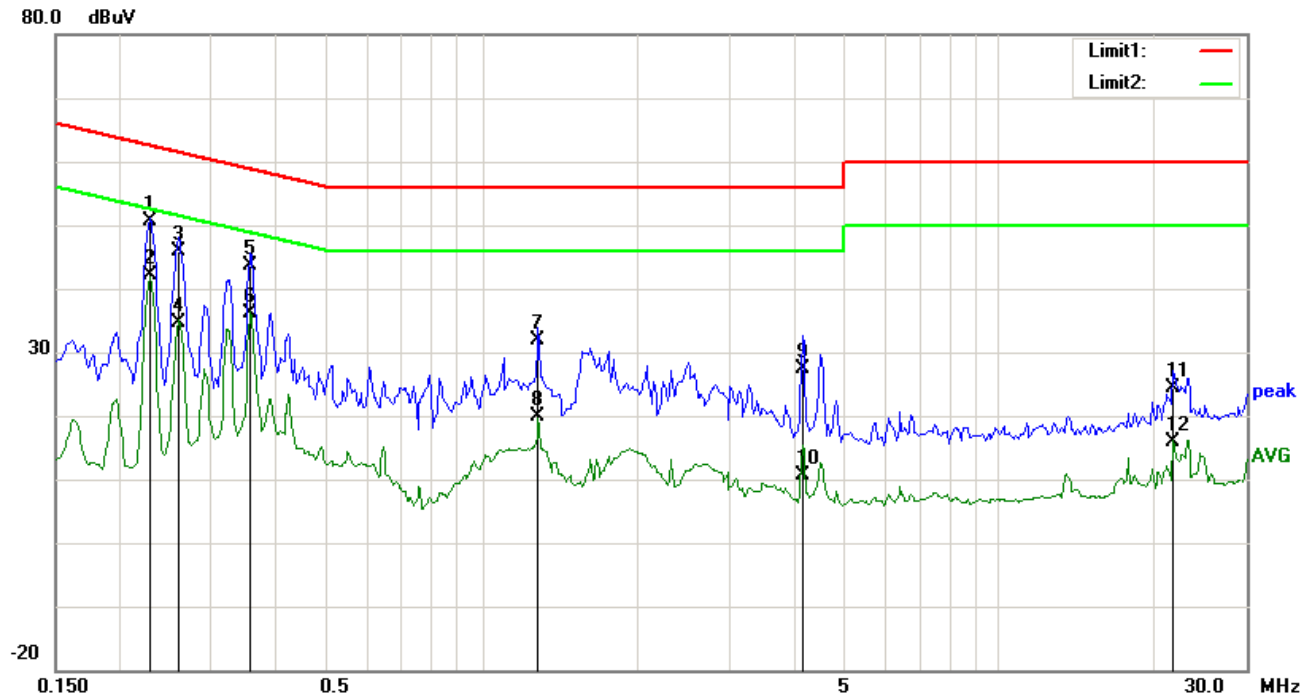


Test Data

Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	N	0.3216	17.53	QP	10.02	27.55	59.67	-32.12
2	N	0.3216	10.58	AVG	10.02	20.60	49.67	-29.07
3	N	0.5400	16.69	QP	10.02	26.71	56.00	-29.29
4	N	0.5400	-2.55	AVG	10.02	7.47	46.00	-38.53
5	N	1.2810	11.02	QP	10.03	21.05	56.00	-34.95
6	N	1.2810	-2.65	AVG	10.03	7.38	46.00	-38.62
7	N	2.5368	17.01	QP	10.05	27.06	56.00	-28.94
8	N	2.5368	-1.43	AVG	10.05	8.62	46.00	-37.38
9	N	4.1739	16.62	QP	10.06	26.68	56.00	-29.32
10	N	4.1739	1.16	AVG	10.06	11.22	46.00	-34.78
11	N	21.6654	15.59	QP	10.29	25.88	60.00	-34.12
12	N	21.6654	8.11	AVG	10.29	18.40	50.00	-31.60

Test Mode 2: Transmitting with charging by base

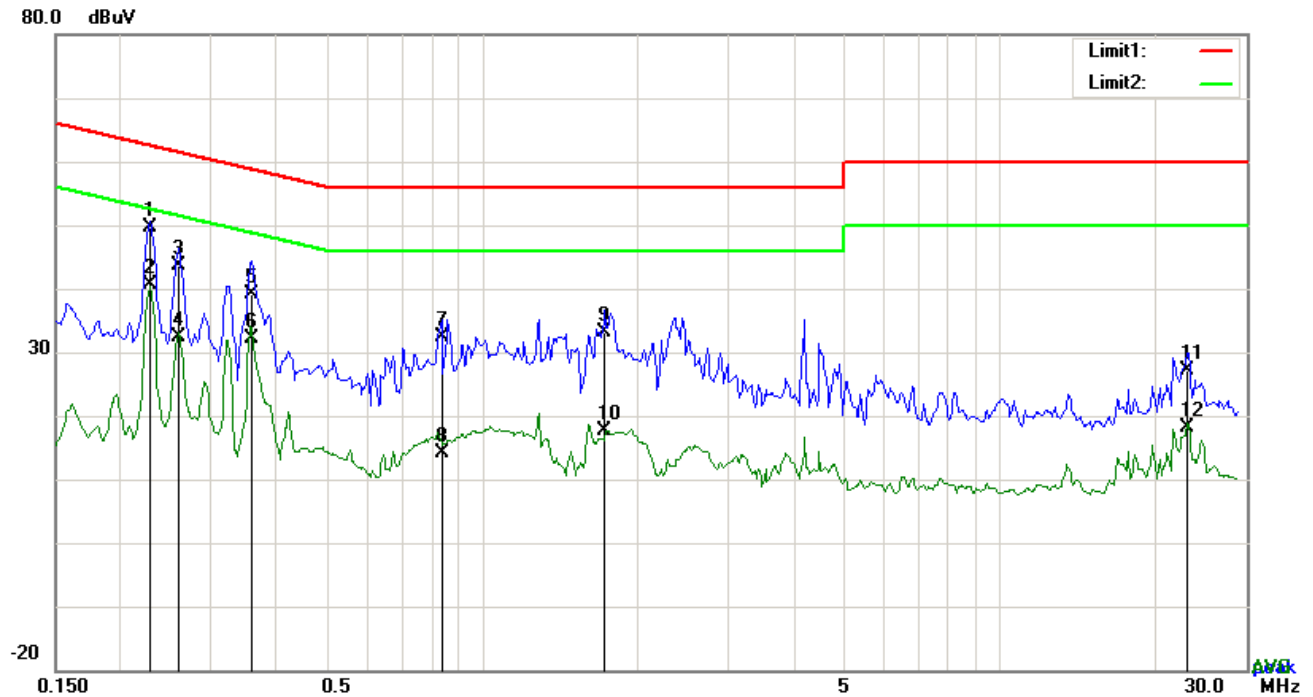


Test Data

Phase Line Plot at 240Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB)	(dBuV)	(dBuV)	(dB)
1	L1	0.2280	40.54	QP	10.03	50.57	62.52	-11.95
2	L1	0.2280	32.07	AVG	10.03	42.10	52.52	-10.42
3	L1	0.2592	35.87	QP	10.03	45.90	61.46	-15.56
4	L1	0.2592	24.65	AVG	10.03	34.68	51.46	-16.78
5	L1	0.3567	33.53	QP	10.03	43.56	58.80	-15.24
6	L1	0.3567	26.03	AVG	10.03	36.06	48.80	-12.74
7	L1	1.2849	21.91	QP	10.03	31.94	56.00	-24.06
8	L1	1.2849	9.76	AVG	10.03	19.79	46.00	-26.21
9	L1	4.1739	17.42	QP	10.07	27.49	56.00	-28.51
10	L1	4.1739	0.50	AVG	10.07	10.57	46.00	-35.43
11	L1	21.6654	14.01	QP	10.33	24.34	60.00	-35.66
12	L1	21.6654	5.66	AVG	10.33	15.99	50.00	-34.01

Test Mode 2:	Transmitting with charging by base
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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	0.2280	39.66	QP	10.02	49.68	62.52	-12.84
2	N	0.2280	30.52	AVG	10.02	40.54	52.52	-11.98
3	N	0.2592	33.63	QP	10.02	43.65	61.46	-17.81
4	N	0.2592	22.45	AVG	10.02	32.47	51.46	-18.99
5	N	0.3606	29.15	QP	10.02	39.17	58.71	-19.54
6	N	0.3606	22.02	AVG	10.02	32.04	48.71	-16.67
7	N	0.8364	22.42	QP	10.03	32.45	56.00	-23.55
8	N	0.8364	4.14	AVG	10.03	14.17	46.00	-31.83
9	N	1.7256	23.01	QP	10.04	33.05	56.00	-22.95
10	N	1.7256	7.70	AVG	10.04	17.74	46.00	-28.26
11	N	23.1318	16.77	QP	10.31	27.08	60.00	-32.92
12	N	23.1318	7.91	AVG	10.31	18.22	50.00	-31.78

6.9 Radiated Emissions & Restricted Band

Temperature	24 °C
Relative Humidity	57%
Atmospheric Pressure	1015mbar
Test date :	March 15, 2017
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		
		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"> The EUT was switched on and allowed to warm up to its normal operating condition. 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:
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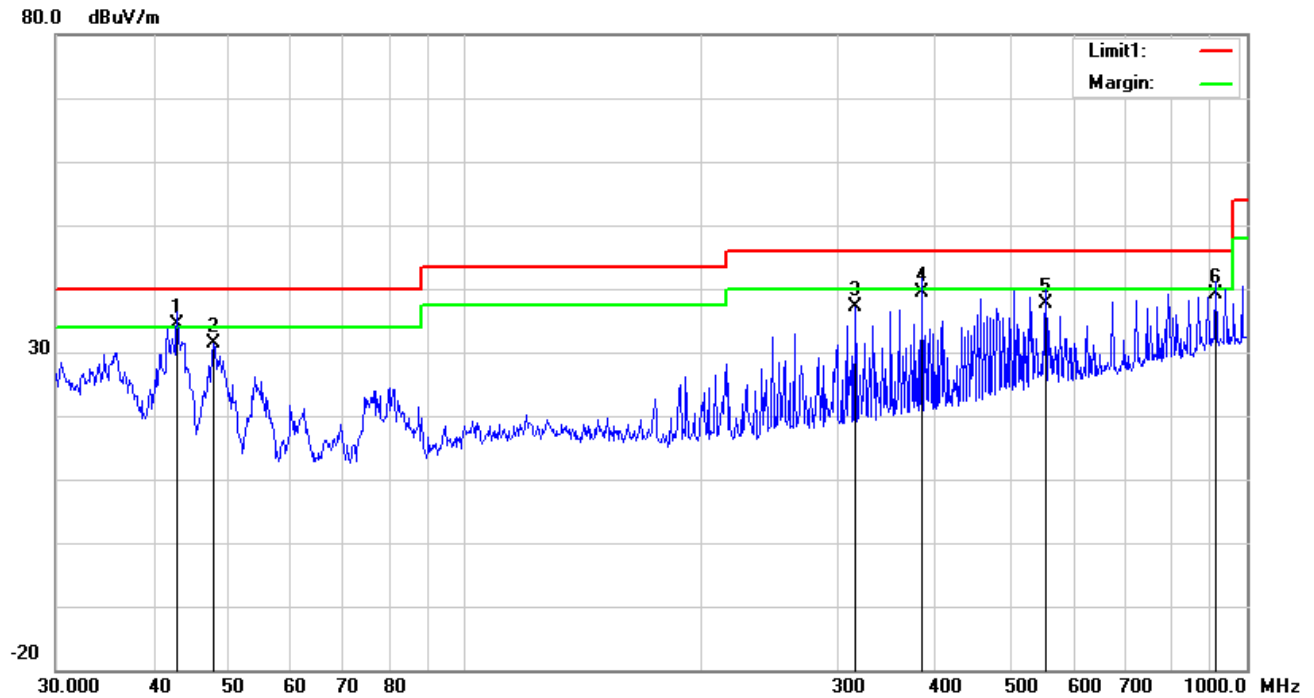
	<p>a. Vertical or horizontal polarization (whichever gave the higher emission level over a full rotation of the EUT) was chosen.</p> <p>b. The EUT was then rotated to the direction that gave the maximum emission.</p> <p>c. Finally, the antenna height was adjusted to the height that gave the maximum emission.</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 1: Transmitting with direct charging Mode

Below 1GHz

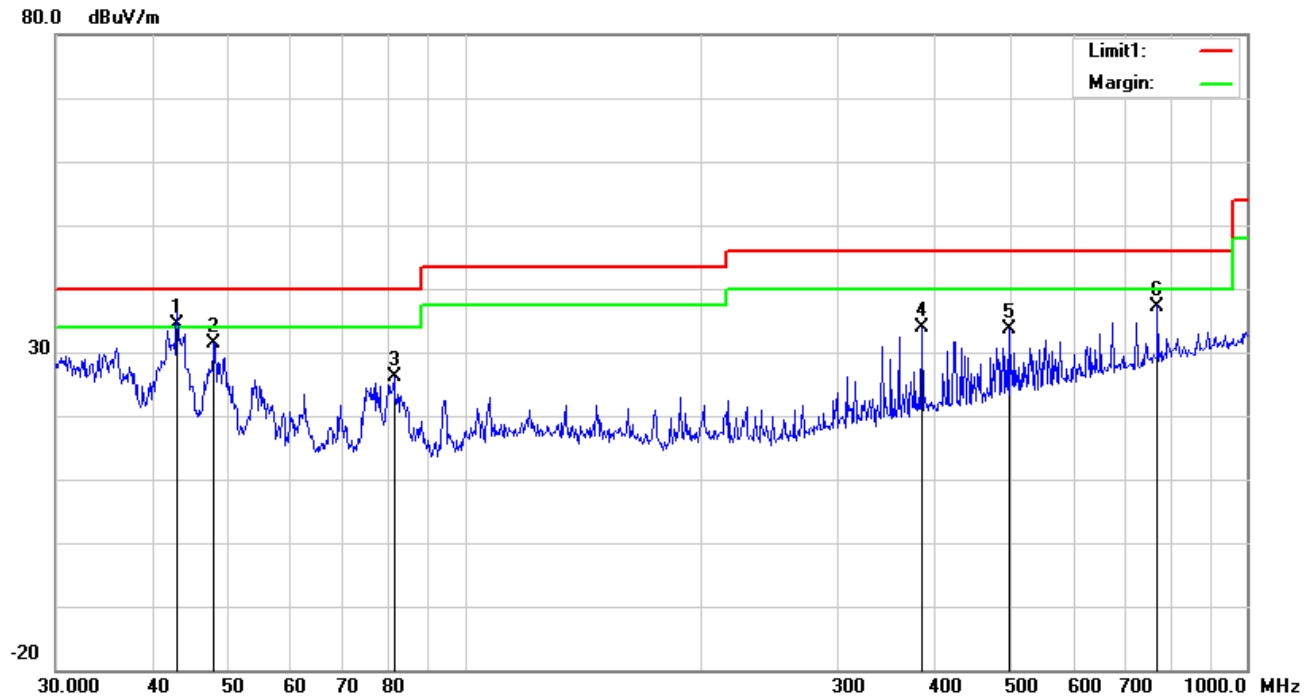


Test Data

Horizontal Polarity Plot @3m

No.	P/L	Frequency	Reading	Detect or	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)
1	H	42.8998	43.83	QP	11.99	22.29	0.77	34.30	40.00	-5.70	300	223
2	H	47.8260	43.63	peak	9.36	22.34	0.78	31.43	40.00	-8.57	300	335
3	H	315.4808	43.47	peak	13.93	22.25	1.87	37.02	46.00	-8.98	100	270
4	H	383.9318	44.17	QP	15.36	22.05	2.02	39.50	46.00	-6.50	100	167
5	H	552.8833	38.47	QP	18.44	21.69	2.48	37.70	46.00	-8.30	200	4
6	H	912.8620	34.30	QP	22.56	20.86	3.10	39.10	46.00	-6.90	300	152

Below 1GHz



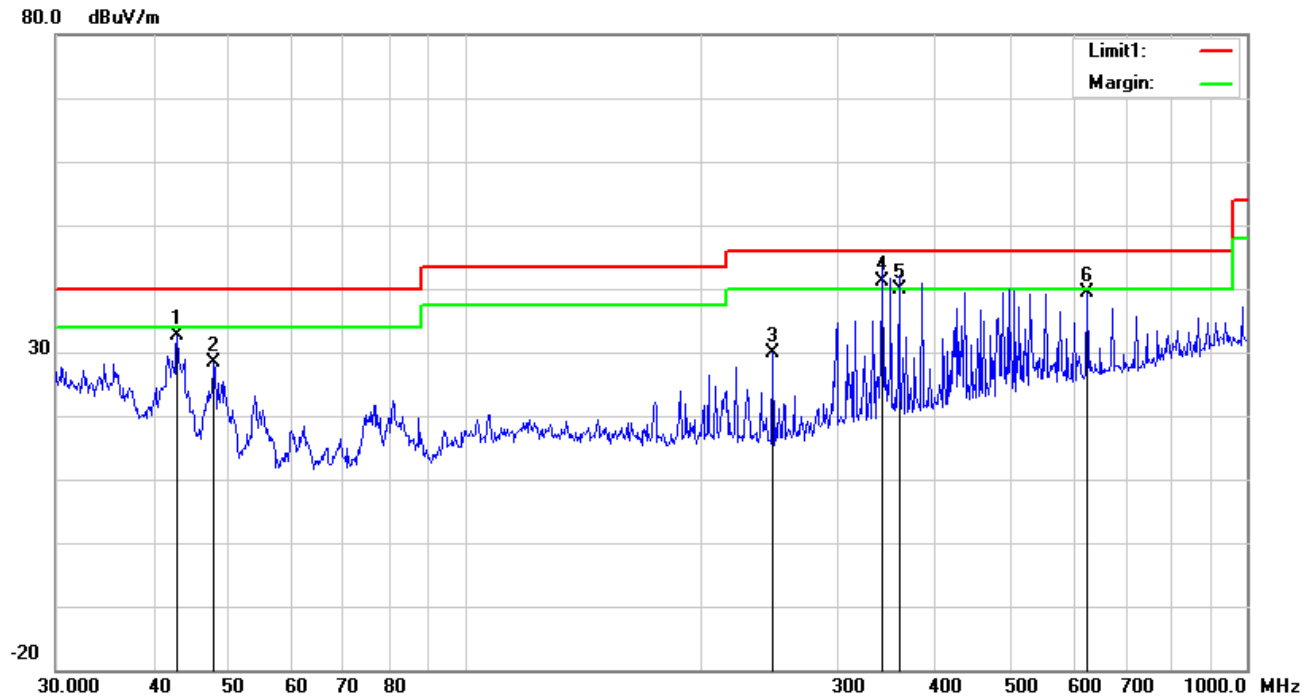
Test Data

Vertical Polarity Plot @3m

No.	P/L	Frequency	Reading	Detect or	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degr ee
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)
1	V	42.8998	43.83	QP	11.99	22.29	0.77	34.30	40.00	-5.70	300	325
2	V	47.8260	43.69	peak	9.36	22.34	0.78	31.49	40.00	-8.51	100	173
3	V	81.2117	39.73	peak	7.65	22.41	1.05	26.02	40.00	-13.98	100	58
4	V	383.9318	38.56	peak	15.36	22.05	2.02	33.89	46.00	-12.11	100	62
5	V	495.9344	35.37	peak	17.62	21.82	2.40	33.57	46.00	-12.43	200	177
6	V	768.7482	34.55	peak	21.02	21.22	2.90	37.25	46.00	-8.75	200	269

Test Mode 2: Transmitting with charging by base

Below 1GHz

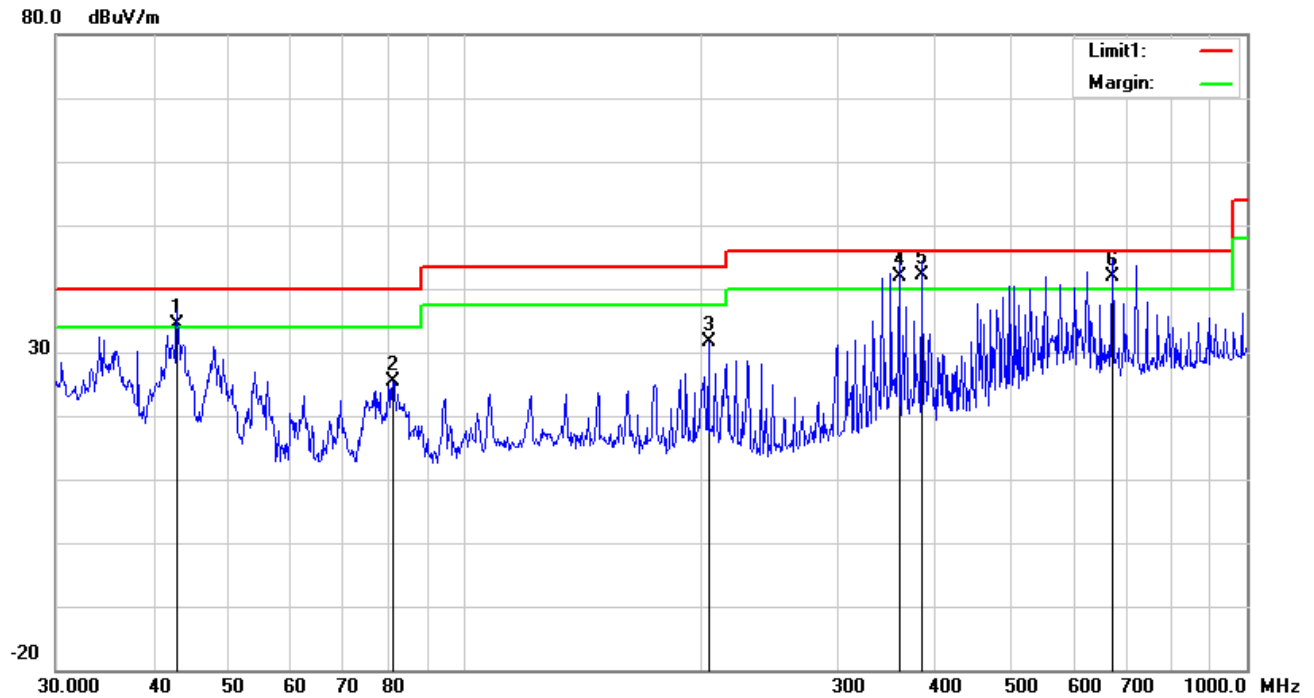


Test Data

Horizontal Polarity Plot @3m

No.	P/L	Frequency	Reading	Detect or	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)
1	H	42.8998	42.12	peak	11.99	22.29	0.77	32.59	40.00	-7.41	200	236
2	H	47.6586	40.40	peak	9.43	22.34	0.78	28.27	40.00	-11.73	300	173
3	H	247.6819	39.08	peak	11.43	22.29	1.69	29.91	46.00	-16.09	200	342
4	H	341.9787	46.79	QP	14.48	22.17	2.00	41.10	46.00	-4.90	100	274
5	H	359.1860	45.15	QP	14.84	22.12	2.03	39.90	46.00	-6.10	200	309
6	H	625.0780	39.02	peak	19.38	21.52	2.56	39.44	46.00	-6.56	300	297

Below 1GHz



Test Data

Vertical Polarity Plot @3m

No.	P/L	Frequency	Reading	Detect or	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degr ee
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)
1	V	42.8998	44.03	QP	11.99	22.29	0.77	34.50	40.00	-5.50	300	72
2	V	80.9275	39.02	peak	7.64	22.41	1.05	25.30	40.00	-14.70	100	306
3	V	204.9551	40.37	peak	12.03	22.37	1.56	31.59	43.50	-11.91	100	333
4	V	359.1860	47.05	QP	14.84	22.12	2.03	41.80	46.00	-4.20	200	319
5	V	383.9318	46.87	QP	15.36	22.05	2.02	42.20	46.00	-3.80	100	44
6	V	672.8445	40.93	QP	19.90	21.42	2.59	42.00	46.00	-4.00	300	121

Above 1GHz

Test Mode:	Transmitting Mode
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Low Channel: 8-DFSK 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	38.82	AV	V	33.67	6.86	32.66	46.69	54	-7.31
4804	39.14	AV	H	33.67	6.86	32.66	47.01	54	-6.99
4804	48.63	PK	V	33.67	6.86	32.66	56.5	74	-17.5
4804	46.48	PK	H	33.67	6.86	32.66	54.35	74	-19.65
17808	24.87	AV	V	45.03	11.21	32.38	48.73	54	-5.27
17808	25.23	AV	H	45.03	11.21	32.38	49.09	54	-4.91
17808	40.94	PK	V	45.03	11.21	32.38	64.8	74	-9.2
17808	41.75	PK	H	45.03	11.21	32.38	65.61	74	-8.39

Middle Channel: 8-DFSK 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	38.76	AV	V	33.71	6.95	32.74	46.68	54	-7.32
4882	38.33	AV	H	33.71	6.95	32.74	46.25	54	-7.75
4882	48.88	PK	V	33.71	6.95	32.74	56.8	74	-17.2
4882	47.47	PK	H	33.71	6.95	32.74	55.39	74	-18.61
17811	25.29	AV	V	45.15	11.18	32.41	49.21	54	-4.79
17811	23.85	AV	H	45.15	11.18	32.41	47.77	54	-6.23
17811	41.06	PK	V	45.15	11.18	32.41	64.98	74	-9.02
17811	41.59	PK	H	45.15	11.18	32.41	65.51	74	-8.49

High Channel: 8-DFSK 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	37.38	AV	V	33.9	6.76	32.74	45.3	54	-8.7
4960	38.55	AV	H	33.9	6.76	32.74	46.47	54	-7.53
4960	47.61	PK	V	33.9	6.76	32.74	55.53	74	-18.47
4960	47.48	PK	H	33.9	6.76	32.74	55.4	74	-18.6
17816	23.59	AV	V	45.22	11.35	32.38	47.78	54	-6.22
17816	24.72	AV	H	45.22	11.35	32.38	48.91	54	-5.09
17816	41.98	PK	V	45.22	11.35	32.38	66.17	74	-7.83
17816	41.65	PK	H	45.22	11.35	32.38	65.84	74	-8.16

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
AC Line Conducted					
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"/>
RF conducted test					
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"/>
Radiated Emissions					
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



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EUT - Front View



EUT - Rear View

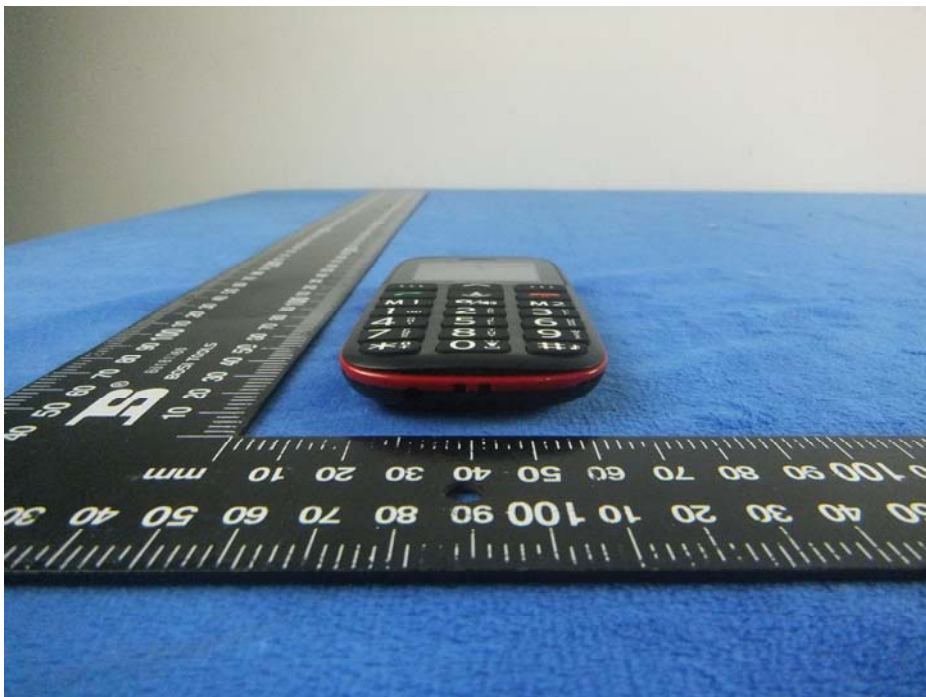


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EUT - Top View



EUT - Bottom View



EUT - Left View



EUT - Right View



Annex B.ii. Photograph: EUT Internal Photo

Cover Off - Top View 1

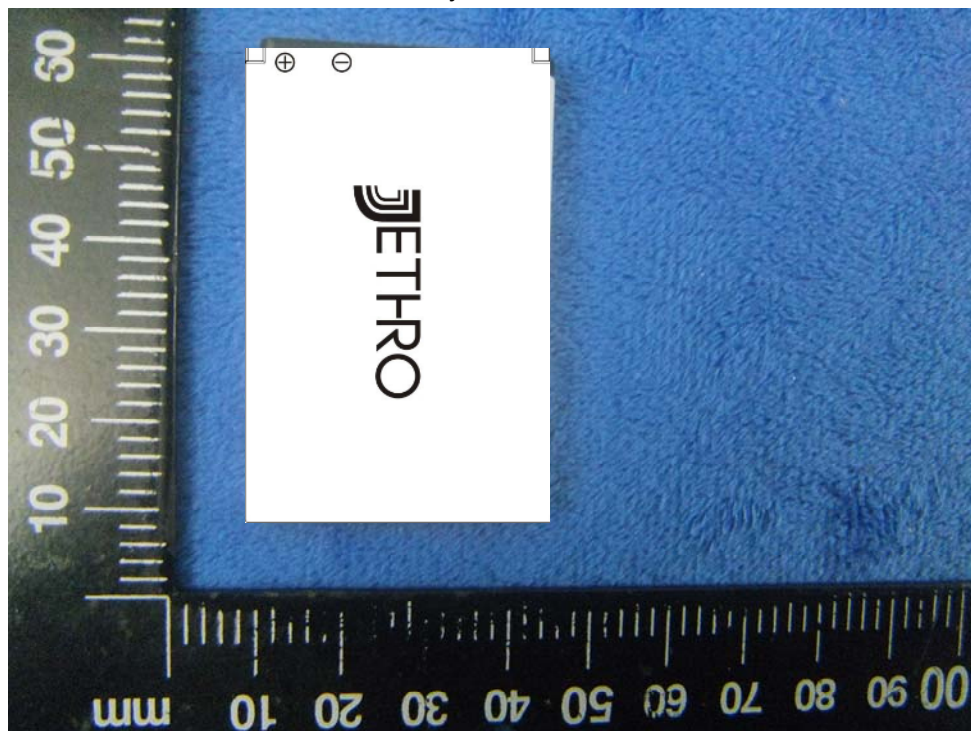


Cover Off - Top View 2



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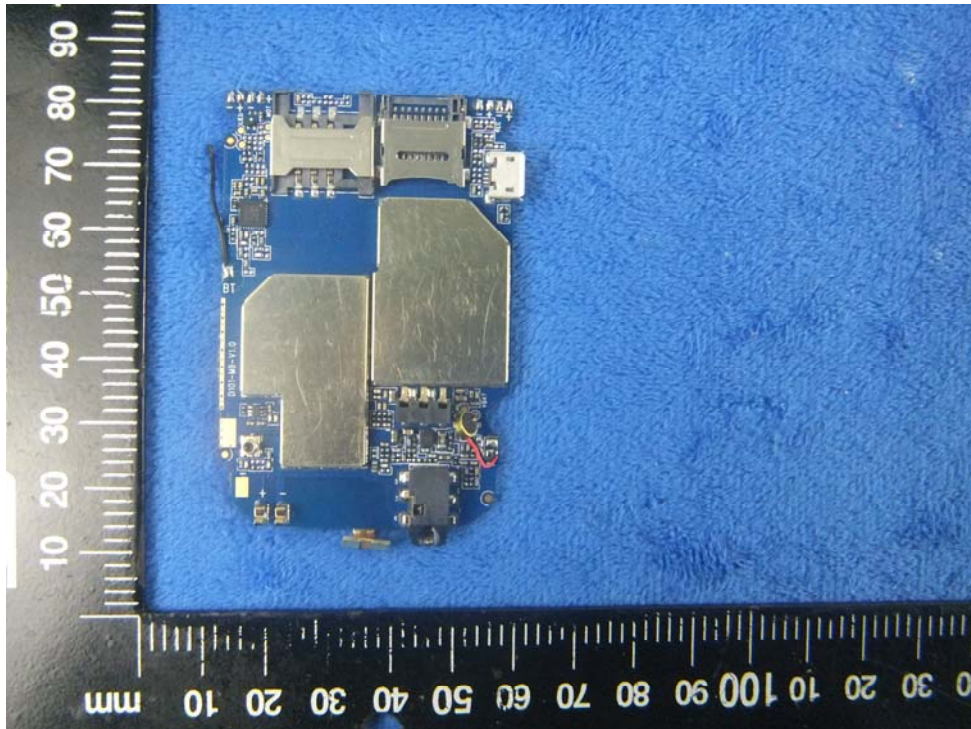
Battery - Front View



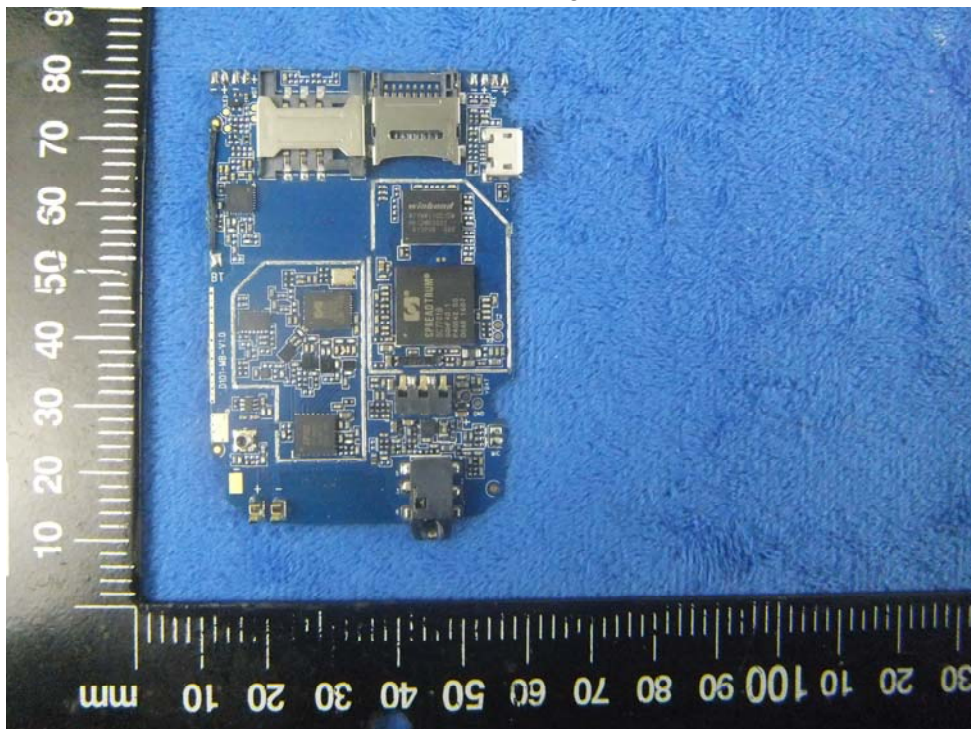
Battery - Rear View



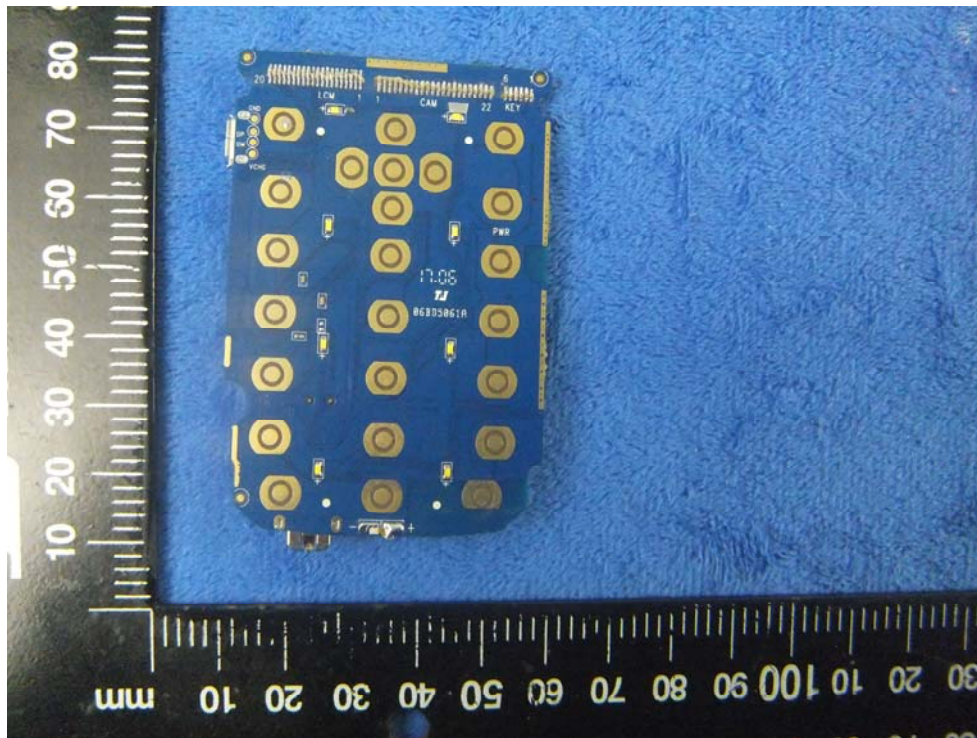
Mainboard with Shielding - Front View



Mainboard without Shielding - Front View



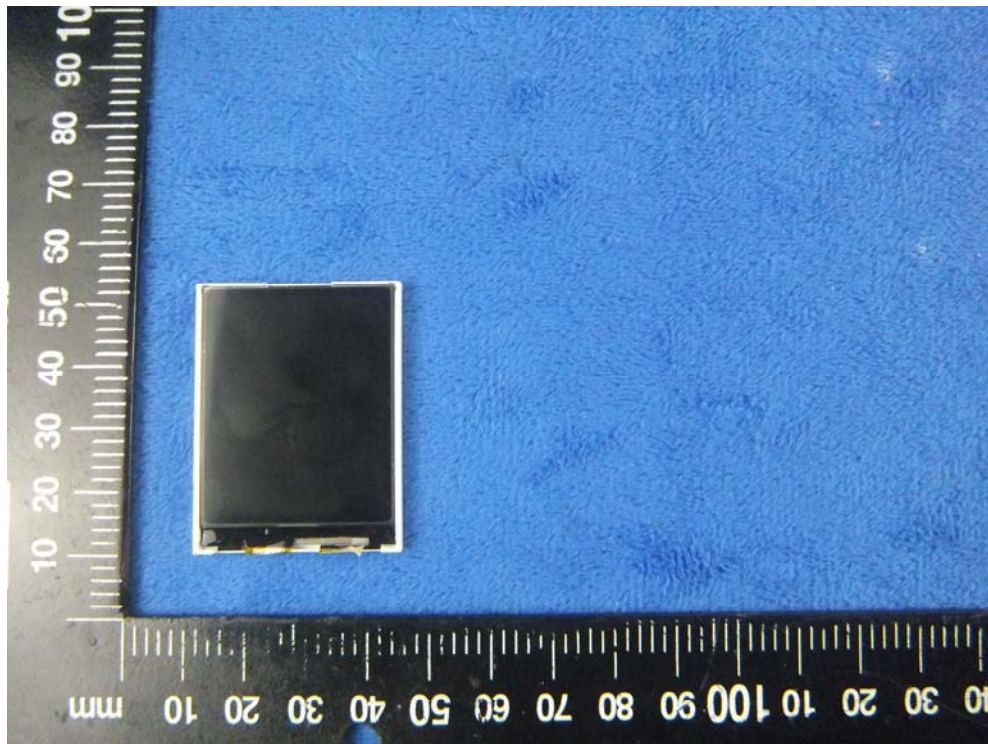
Remove the Key Board – Front View



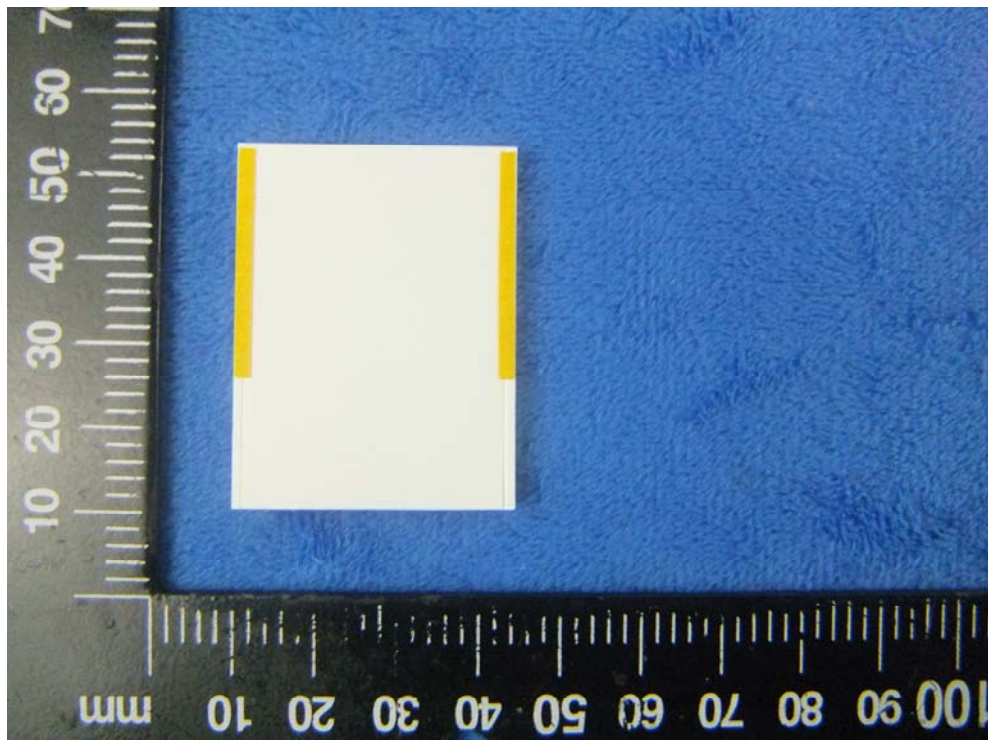
Remove the Key Board - Rear View



LCD – Front View



LCD – Rear View



GSM/PCS/UMTS-FDD Antenna View



BT-FDD Antenna View



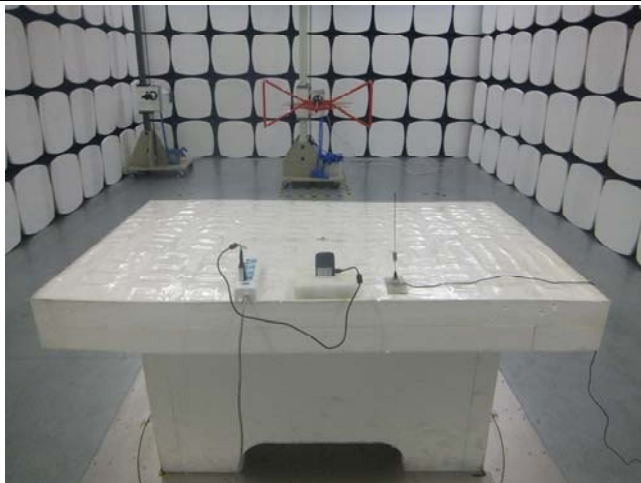
Annex B.iii. Photograph: Test Setup Photo



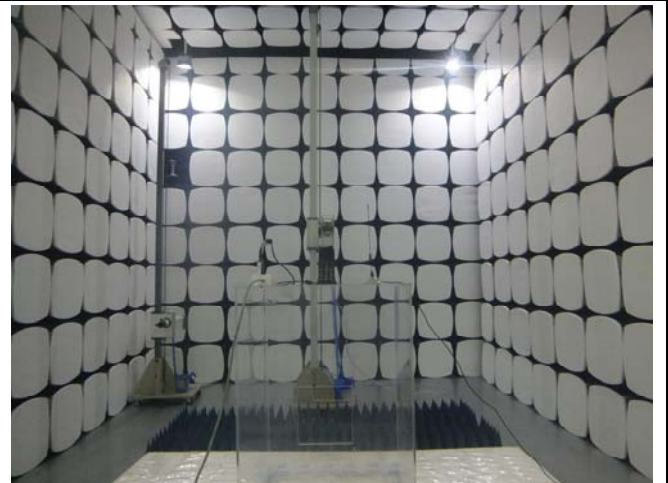
Conducted Emissions Test Setup Front View



Conducted Emissions Test Setup Side View



Radiated Spurious Emissions Test Setup Below 1GHz

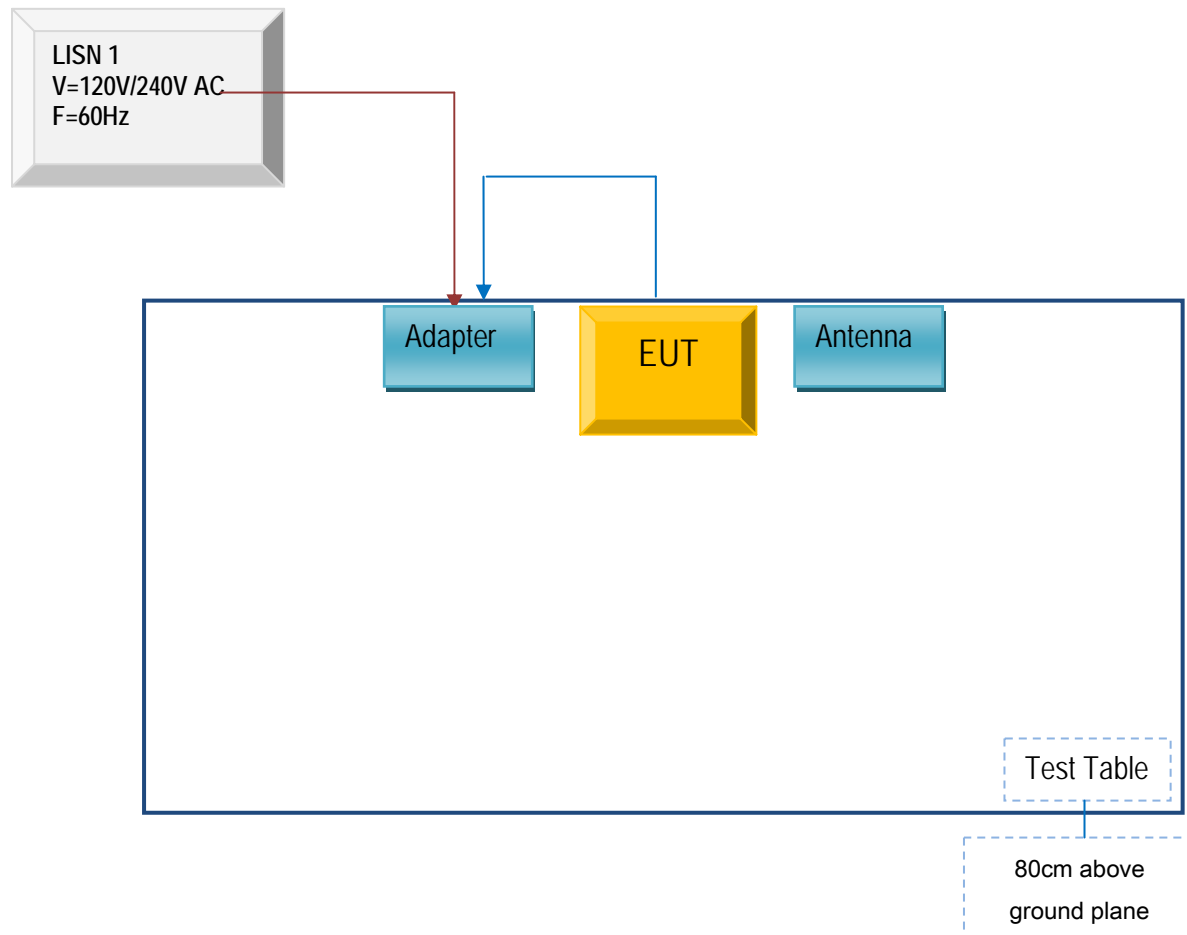


Radiated Spurious Emissions Test Setup Above
1GHz

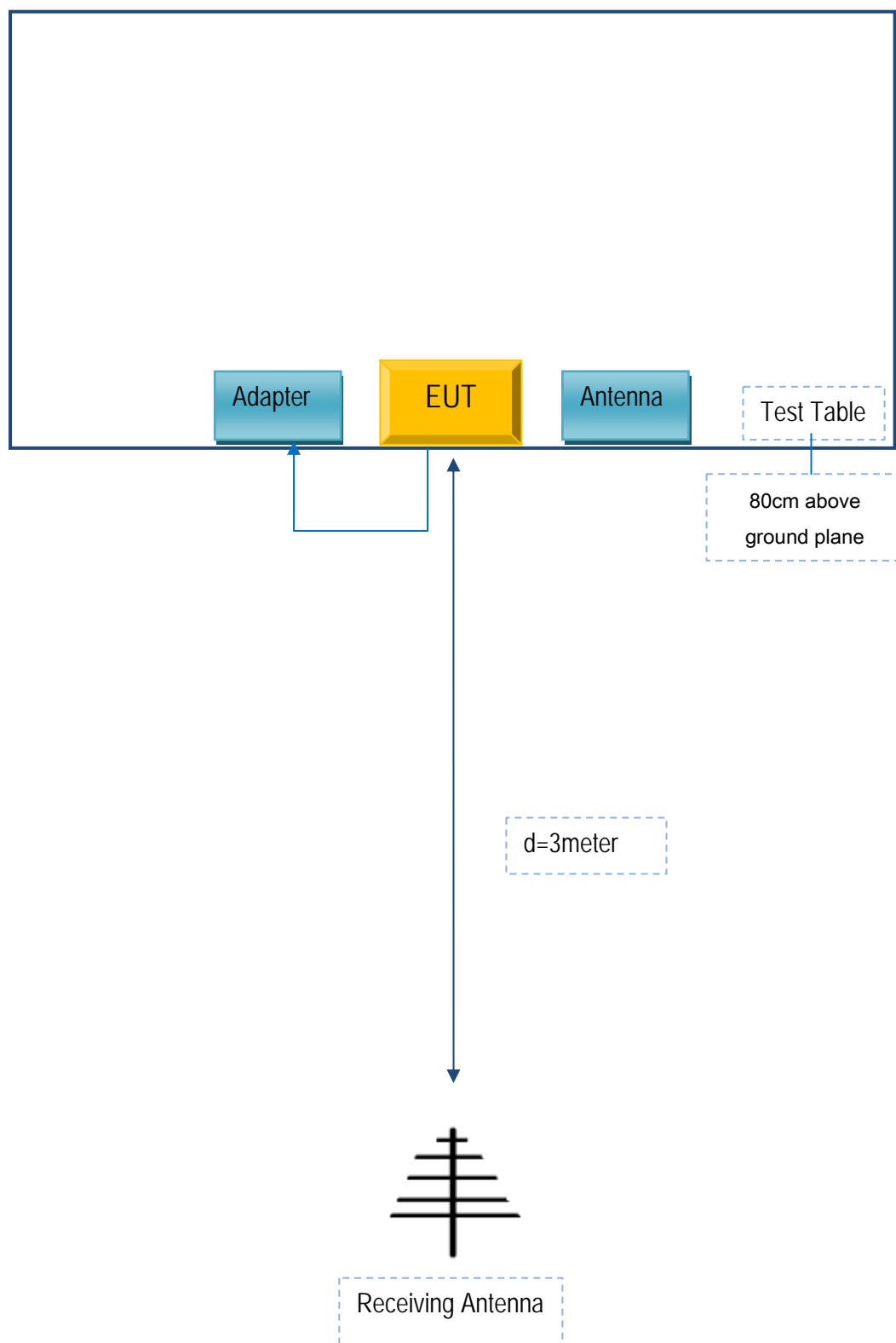
Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

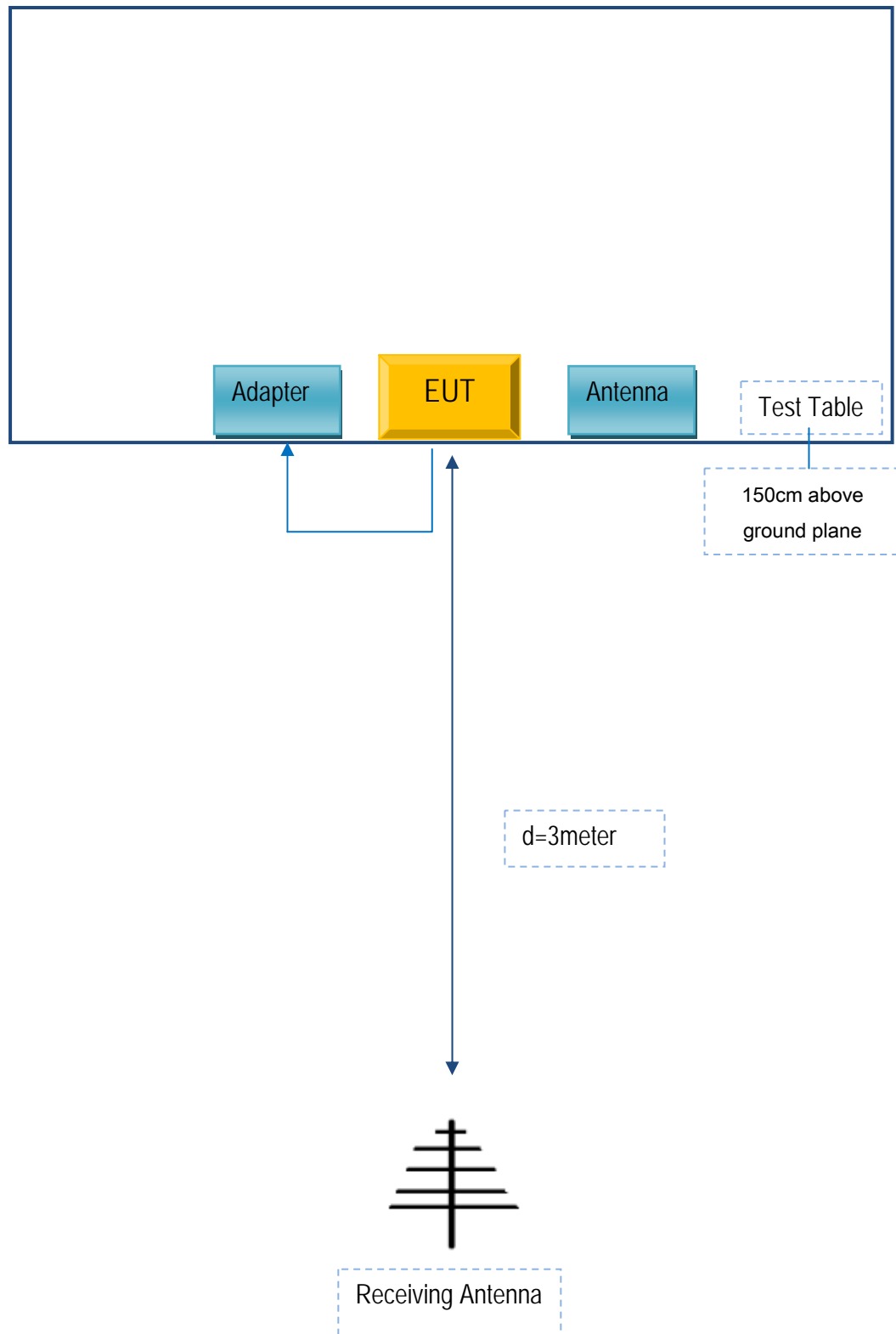
Block Configuration Diagram for AC Line Conducted Emissions



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
Jethro Trading LTD.	Adapter	HJ-050050-US	SZ521

Supporting Cable:

Cable type	Shield Type	Ferrite Core	Length	Serial No
USB Cable	Un-shielding	No	0.8m	SZ521

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

Please see the attachment

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Annex E. DECLARATION OF SIMILARITY

N/A