# RF TEST REPORT



Report No.: 18070046-FCC-R3

Supersede Report No.: N/A Applicant **BLU Products, Inc Product Name Mobile Phone VIVO ONE PLUS** Model No. Serial No. N/A **Test Standard** FCC Part 15.247: 2016, ANSI C63.10: 2013 **Test Date** January 13 to January 28, 2018 January 29, 2018 **Issue Date** Pass **Test Result** Fail Equipment complied with the specification 7 Equipment did not comply with the specification David Huang Aaron Liang David Huang **Test Engineer Checked By** This test report may be reproduced in full only Test result presented in this test report is applicable to the tested sample only

Issued by:

## SIEMIC (SHENZHEN-CHINA) LABORATORIES

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# Laboratories Introduction

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



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

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

### Accreditations for Conformity Assessment



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# 1. Report Revision History

Report No.	Report Version	Description	Issue Date
18070046-FCC-R3	NONE	Original	January 29, 2018

# 2. Customer information

Applicant Name	BLU Products,Inc	
Applicant Add	10814 NW 33rd St # 100 Doral, FL 33172	
Manufacturer	BLU Products,Inc	
Manufacturer Add	10814 NW 33rd St # 100 Doral, FL 33172	

## 3. Test site information

Test Lab A:
-------------

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	
535293	
4842E-1	
Radiated Emission Program-To Shenzhen v2.0	
SIEMIC (Nanjing-China) Laboratories	
2-1 Longcang Avenue Yuhua Economic and	
Technology Development Park, Nanjing, China	
694825	
4842B-1	
EZ_EMC(ver.lcp-03A1)	

Note: We just perform Radiated Spurious Emission above 18GHz in the test Lab. B.



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4. Equipment under Test (EUT) Information		
Description of EUT:	Mobile Phone	
Main Model:	VIVO ONE PLUS	
Serial Model:	N/A	
Date EUT received:	January 12, 2018	
Test Date(s):	January 13 to January 28, 2018	
Equipment Category :	DSS	
	GSM850: -2.8dBi	
	PCS1900: -2.3dBi	
	UMTS-FDD Band V: -2.5dBi	
	UMTS-FDD Band IV: -2.5dBi	
	UMTS-FDD Band II: -2.5dBi	
	LTE Band II: -2.5dBi	
Antenna Gain:	LTE Band IV: -2.5dBi	
	LTE Band VII: -3.0dBi	
	LTE Band XII: -2.8dBi	
	LTE Band XVII: -2.8dBi	
	Bluetooth/BLE: -2.7dBi	
	WIFI: -2.7dBi	
	GPS: -2.5dBi	
Antenna Type:	PIFA Antenna	
	GSM / GPRS: GMSK	
	EGPRS: GMSK	
	UMTS-FDD: QPSK	
Tune of Medulations	LTE Band: QPSK, 16QAM	
Type of Modulation:	802.11b/g/n: DSSS, OFDM	
	Bluetooth: GFSK, π /4DQPSK, 8DPSK	
	BLE: GFSK	
	GPS: BPSK	



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	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 IV TX:1712.4 ~ 1752.6 MHz;
	RX : 2112.4 ~ 2152.6 MHz
	UMTS-FDD Band II TX:1852.4 ~ 1907.6 MHz;
	RX: 1932.4 ~ 1987.6 MHz
	LTE Band II TX: 1850.7 ~ 1909.3MHz; RX : 1930.7 ~ 1989.3 MHz
RF Operating Frequency (ies):	LTE Band IV TX: 1710.7 ~ 1754.3 MHz; RX : 2110.7~ 2154.3 MHz
	LTE Band VII TX: 2502.5 ~ 2567.5 MHz; RX : 2622.5 ~ 2687.5 MHz
	LTE Band XII TX:699.7 ~ 715.3 MHz; RX : 729.7~ 745.3MHz
	LTE Band XVII TX: 706.5 ~ 713.5 MHz; RX : 736.5 ~ 743.5 MHz
	WIFI: 802.11b/g/n(20M): 2412-2462 MHz
	WIFI: 802.11n(40M): 2422-2452 MHz
	Bluetooth& BLE: 2402-2480 MHz
	GPS: 1575.42 MHz
	GF3. 1375.42 MHZ
Max. Output Power:	3.530dBm
	GSM 850: 124CH
	PCS1900: 299CH
	UMTS-FDD Band V: 102CH
	UMTS-FDD Band IV: 202CH
Number of Channeles	UMTS-FDD Band II: 277CH
Number of Channels:	WIFI :802.11b/g/n(20M): 11CH
	WIFI :802.11n(40M): 7CH
	Bluetooth: 79CH
	BLE: 40CH
	GPS:1CH
Port:	USB Port, Earphone Port
	Adapter :
	Model: TPA-46050200UU
Input Power:	Input: AC100-240V~50/60Hz,0.3A
Input Power:	Output: DC 5V, 2A
	Battery:
	Model: C916241400P
	Spec: 3.85V, 4000mAh,15.4Wh



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Voltage: 4.4V

Brand Name :

BLU

Trade Name :



GPRS/EGPRS Multi-slot class

8/10/11/12

FCC ID:

YHLBLUVOONEPLUS



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# 5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.247(a)(1)	Channel Separation	Compliance
§15.247(a)(1)	20 dB Bandwidth	Compliance
§15.247(b)(1)	Peak Output Power	Compliance
§15.247(a)(1)(iii)	Number of Hopping Channel	Compliance
§15.247(a)(1)(iii)	Time of Occupancy (Dwell Time)	Compliance
§15.247(d)	Band Edge& Restricted Band	Compliance
§15.207(a)	AC Line Conducted Emissions	Compliance
§15.205, §15.209, §15.247(d)	Radiated Emissions& Restricted Band	Compliance

#### **Measurement Uncertainty**

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



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## 6. Measurements, Examination And Derived Results

## 6.1 Antenna Requirement

### **Applicable Standard**

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

a. Antenna must be permanently attached to the unit.

b. Antenna must use a unique type of connector to attach to the EUT.

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

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

#### Antenna Connector Construction

The EUT has 2 antennas:

A permanently attached PIFA antenna for Bluetooth/BLE/WIF/GPS, the gain is -2.7dBi for Bluetooth/BLE/ WIFI, the gain is -2.5dBi for GPS.

A permanently attached PIFA antenna for GSM/PCS/UMTS/ LTE Band II/IV/VII/XII/XVII, the gain is -2.8dBi for GSM850, -2.3dBi for PCS1900, -2.5dBi for UMTS-FDD Band II/V/ IV, the gain is -2.5dBi LTE Band II/IV, -3.0dBi for LTE Band VII, -2.8dBi for XII/ XVII.

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

Result: Compliance.



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# 6.2 Channel Separation

Temperature	26 °C
Relative Humidity	57%
Atmospheric Pressure	1025mbar
Test date :	January 25, 2018
Tested By :	Aaron Liang

Spec	Item	m Requirement Applicable			
		Channel Separation < 20dB BW and 20dB BW <			
		25KHz; Channel Separation Limit=25KHz	V		
§ 15.247(a)(1)	a)	Chanel Separation < 20dB BW and 20dB BW >			
		25kHz ; Channel Separation Limit=2/3 20dB BW			
Test Setup	Spectrum Analyzer EUT				
	The te	est follows FCC Public Notice DA 00-705 Measurement	Guidelines.		
	Use the following spectrum analyzer settings:				
	<ul> <li>The EUT must have its hopping function enabled</li> </ul>				
	<ul> <li>Span = wide enough to capture the peaks of two adjacent</li> </ul>				
	channels				
	<ul> <li>Resolution (or IF) Bandwidth (RBW) ≥ 1% of the span</li> </ul>				
Test Procedure	<ul> <li>Video (or Average) Bandwidth (VBW) ≥ RBW</li> </ul>				
restriccedure	- 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 subparagr	aphs of this		
		Section. Submit this plot.			



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Remark					
Result		Pass	Fail		
Test Data	✓ Yes		□ <sub>N/A</sub>		
Test Plot Yes (See below)		□ <sub>N/A</sub>			

## Channel Separation measurement result

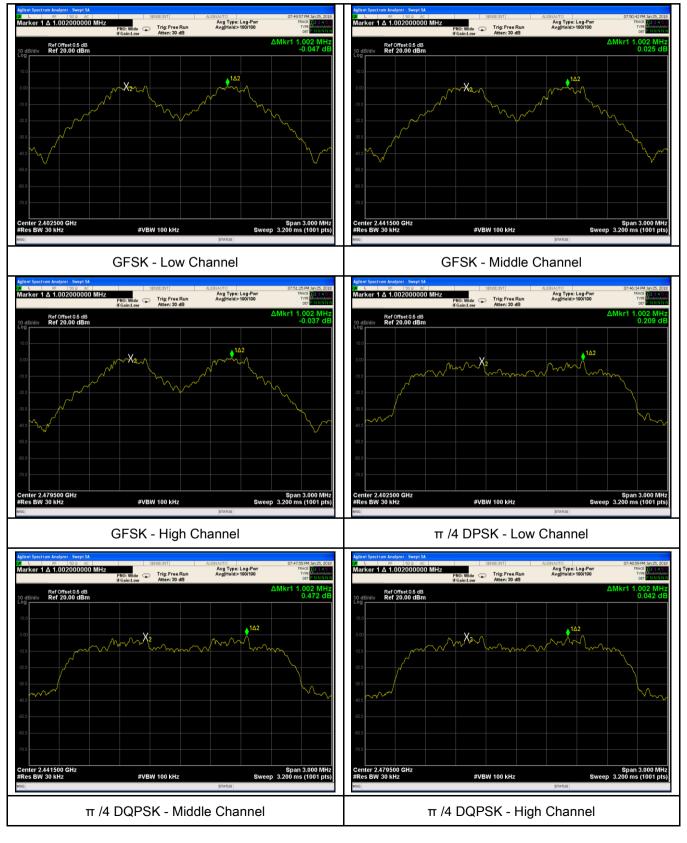
Type/ Modulation	СН	CH Frequency (MHz)	CH Separation (MHz)	Limit (MHz)	Result
	Low Channel	2402	1.002	0.962	Pass
	Adjacency Channel	2403	1.002	0.902	F 855
CH Separation	Mid Channel	2440	1.002	0.955	Pass
GFSK	Adjacency Channel	2441	1.002	0.955	Pass
	High Channel	2480	1.002	0.687	Deee
	Adjacency Channel	2479	1.002	0.007	Pass
	Low Channel	2402	1.002	0.872	Pass
	Adjacency Channel	2403	1.002	0.072	Pass
CH Separation	Mid Channel	2440	1.002	0.858	Deee
π /4 DQPSK	Adjacency Channel	2441	1.002	0.000	Pass
	High Channel	2480	1 002	0.857	Deee
	Adjacency Channel	2479	1.002		Pass
	Low Channel	2402	4 000		Deee
	Adjacency Channel	2403	1.002	0.856	Pass
CH Separation	Mid Channel	2440	4.005	0.000	Dese
8DPSK	Adjacency Channel	2441	1.005	0.869	Pass
	High Channel	2480	1.005	0.077	Deee
	Adjacency Channel	2479	1.005	0.877	Pass



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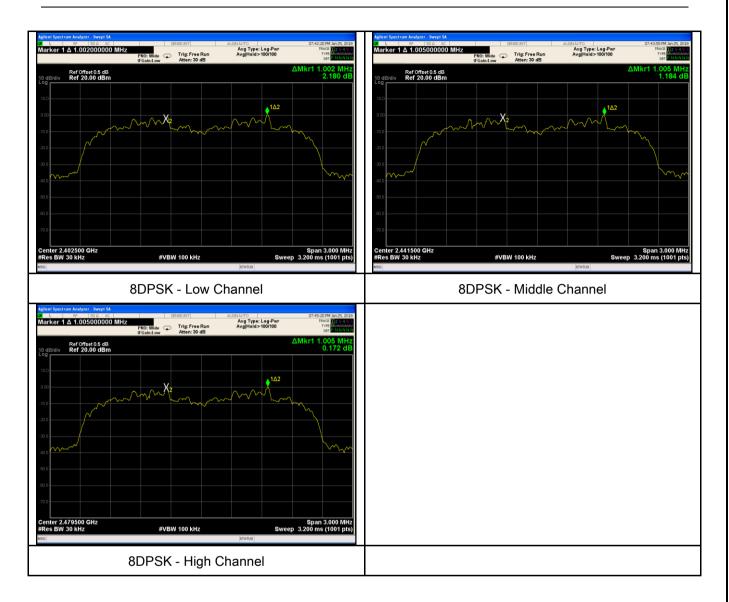
#### **Test Plots**

#### Channel Separation measurement result





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## 6.3 20dB Bandwidth

Temperature	26 °C
Relative Humidity	57%
Atmospheric Pressure	1025mbar
Test date :	January 25, 2018
Tested By :	Aaron Liang

Spec	Item	em Requirement Applicable			
§15.247(a) (1)	a)	V			
Test Setup	channel, whichever is greater.				
Test Procedure	<ul> <li>The test follows FCC Public Notice DA 00-705 Measurement Guidelines.</li> <li><u>Use the following spectrum analyzer settings:</u> <ul> <li>Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel</li> <li>RBW ≥ 1% of the 20 dB bandwidth</li> <li>VBW ≥ RBW</li> <li>Sweep = auto</li> <li>Detector function = peak</li> <li>Trace = max hold.</li> <li>The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to</li> </ul> </li> </ul>				
		measure 20 dB down one side of the emission. Reset the delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the	he		

		ліс	Test Report	18070046-FCC-R3
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A Bulea			1 dgo	
		marker le	evel. The marker-	delta reading at this point is the 20 dB
		bandwidt	h of the emission	. If this value varies with different modes of
		operatior	n (e.g., data rate,	modulation format, etc.), repeat this test for
		each vari	ation. The limit is	specified in one of the subparagraphs of
		this Secti	on. Submit this p	lot(s).
Remark				
Result		Pass	Fail	
Test Data	₩ Y	⁄es	□ <sub>N/A</sub>	
Test Plot	۲	es (See below)	□ <sub>N/A</sub>	

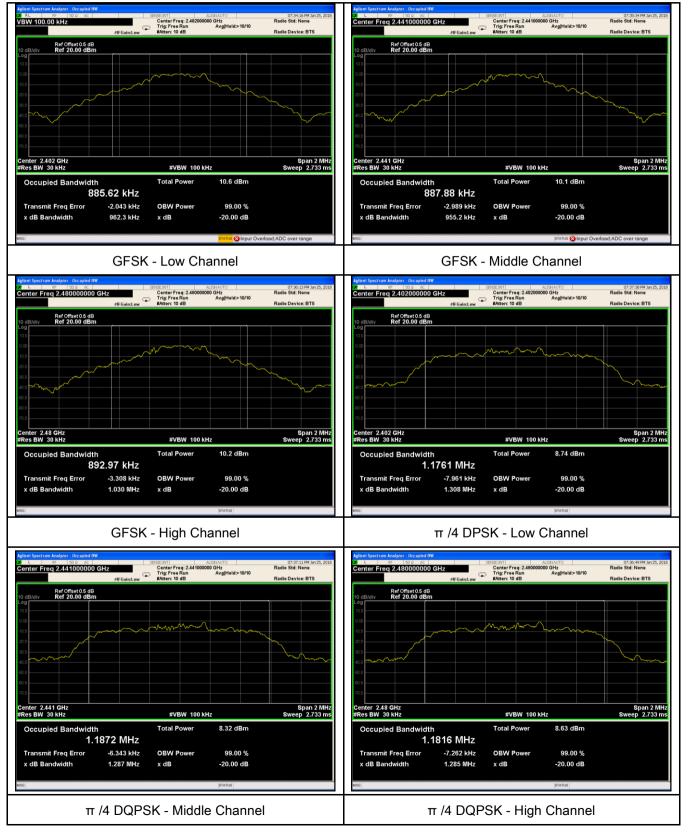
Measurement result					
Modulation	СН	CH Frequency	20dB Bandwidth	99% Occupied	
wouldtion		(MHz)	(MHz)	Bandwidth (MHz)	
	Low	2402	0.9623	0.8856	
GFSK	Mid	2441	0.9552	0.8879	
	High	2480	1.030	0.8929	
	Low	2402	1.308	1.1761	
π /4 DQPSK	Mid	2441	1.287	1.1872	
	High	2480	1.285	1.1816	
	Low	2402	1.284	1.1937	
8-DPSK	Mid	2441	1.303	1.2005	
	High	2480	1.316	1.2092	



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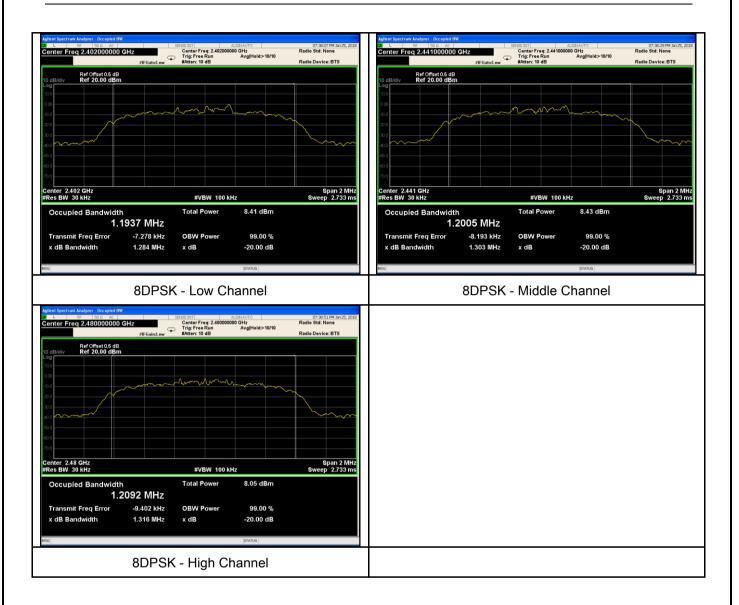
#### **Test Plots**

#### 20dB Bandwidth measurement result





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# 6.4 Peak Output Power

Temperature	26 °C	
Relative Humidity	57%	
Atmospheric Pressure	1025mbar	
Test date :	January 25, 2018	
Tested By :	Aaron Liang	

Spec	Item	Requirement	Applicable
	a)	FHSS in 2400-2483.5MHz with $\geq$ 75 channels: $\leq$ 1 Watt	Y
	b)	FHSS in 5725-5850MHz: ≤ 1 Watt	
§15.247(b)	c)	For all other FHSS in the 2400-2483.5MHz band: $\leq$ 0.125 Watt.	K
(3)	d)	FHSS in 902-928MHz with $\geq 50$ channels: $\leq 1$ Watt	
	e)	FHSS in 902-928MHz with $\geq$ 25 & <50 channels: $\leq$ 0.25 Watt	
	f)	DTS in 902-928MHz, 2400-2483.5MHz: ≤ 1 Watt	
Test Setup	Spectrum Analyzer EUT		
Test Procedure	<u>Use th</u> - -	st follows FCC Public Notice DA 00-705 Measurement Gu le following spectrum analyzer settings: Span = approximately 5 times the 20 dB bandwidth, center hopping channel RBW > the 20 dB bandwidth of the emission being measure VBW $\geq$ RBW Sweep = auto Detector function = peak Trace = max hold Allow the trace to stabilize.	ered on a

si	Eľ	ЛІС	Test Report	18070046-FCC-R3	
A Burea	u Veritas G	roup Company	Page	20 of 70	
				nction to set the marker to the peak of the	
		emission.	The indicated lev	vel is the peak output power (see the note	
		above reg	arding external a	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	<b>∀</b> Y	/es	N/A		
Test Plot	▼ Y	es (See below)	□ <sub>N/A</sub>		

#### Peak Output Power measurement result

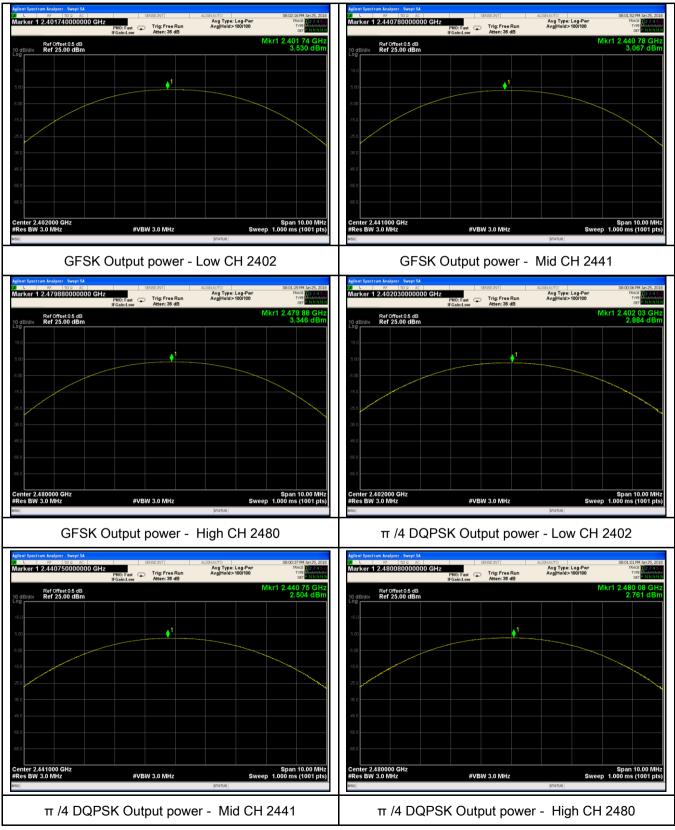
Туре	Modulation	СН	Frequenc y (MHz)	Conducted Power (dBm)	Limit (mW)	Result
		Low	2402	3.530	1000	Pass
	GFSK	Mid	2441	3.067	1000	Pass
		High	2480	3.346	125	Pass
Output		Low	2402	2.884	125	Pass
Output	π /4 DQPSK	Mid	2441	2.504	125	Pass
power		High	2480	2.761	125	Pass
		Low	2402	3.067	125	Pass
	8-DPSK	Mid	2441	2.672	125	Pass
		High	2480	2.919	125	Pass



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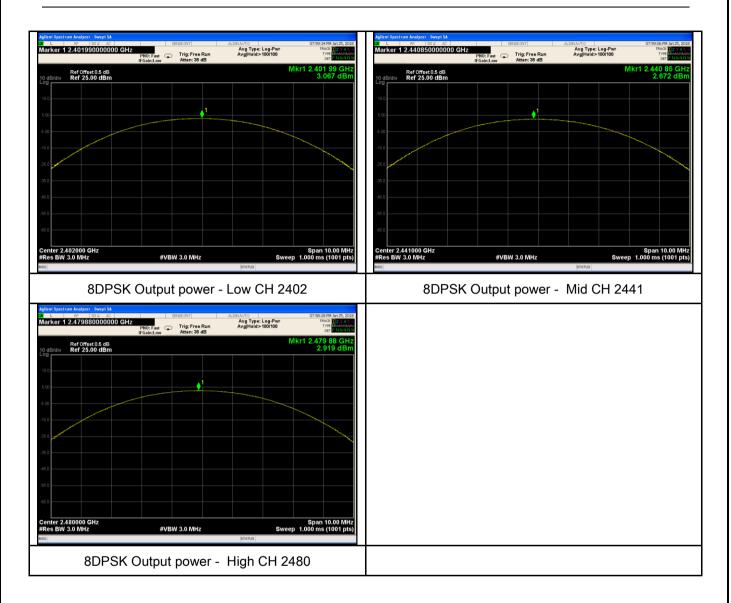
#### **Test Plots**

#### **Output Power measurement result**





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# 6.5 Number of Hopping Channel

Temperature	26 °C
Relative Humidity	57%
Atmospheric Pressure	1025mbar
Test date :	January 25, 2018
Tested By :	Aaron Liang

Spec	Item	Requirement	Applicable			
§15.247(a) (1)(iii)	a)	FHSS in 2400-2483.5MHz $\geq$ 15 channels	2			
Test Setup		Spectrum Analyzer EUT				
	The te	st follows FCC Public Notice DA 00-705 Measurement Gu	idelines.			
	Use the	e following spectrum analyzer settings:				
	The El	JT must have its hopping function enabled.				
	-	- Span = the frequency band of operation				
	- RBW ≥ 1% of the span					
Teet	- VBW ≥ RBW					
Test Procedure	- 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	Pas	s Fail				
Test Data	Yes	N/A				
Test Plot	Yes (See	e below)				



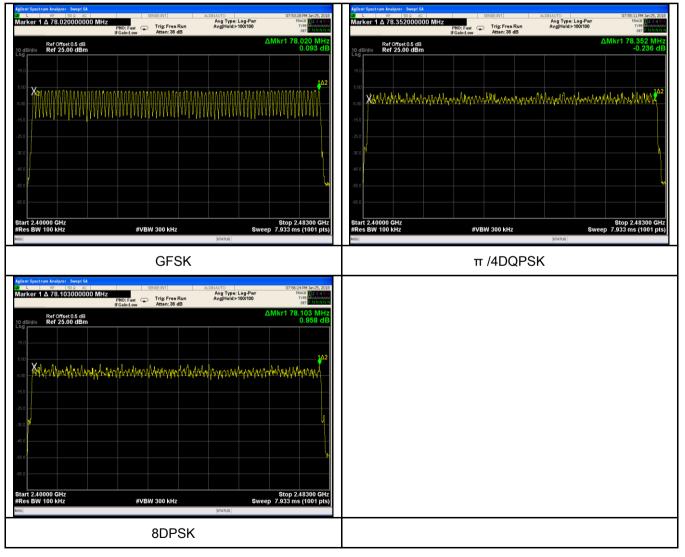
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#### Number of Hopping Channel measurement result

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

#### Test Plots

#### Number of Hopping Channels measurement result





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# 6.6 Time of Occupancy (Dwell Time)

Temperature	26 °C
Relative Humidity	57%
Atmospheric Pressure	1025mbar
Test date :	January 25, 2018
Tested By :	Aaron Liang

Spec	Item	Requirement	Applicable		
§15.247(a) (1)(iii)	a)	Dwell Time < 0.4s	Z		
Test Setup		Spectrum Analyzer EUT			
		st follows FCC Public Notice DA 00-705 Measurement G	uidelines.		
	Use the	e following spectrum analyzer			
	-	Span = zero span, centered on a hopping channel			
	-	RBW = 1 MHz			
Test	- VBW ≥ RBW				
Procedure	- Sweep = as necessary to capture the entire dwell time per hoppin		er hopping		
		channel			
	- Detector function = peak				
	- Trace = max hold				
	- use the marker-delta function to determine the dwell time		e		
Remark					
Result	Pas	s Fail			
Test Data	/es	□ <sub>N/A</sub>			
Test Plot	′es (See	below)			



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#### Dwell Time measurement result

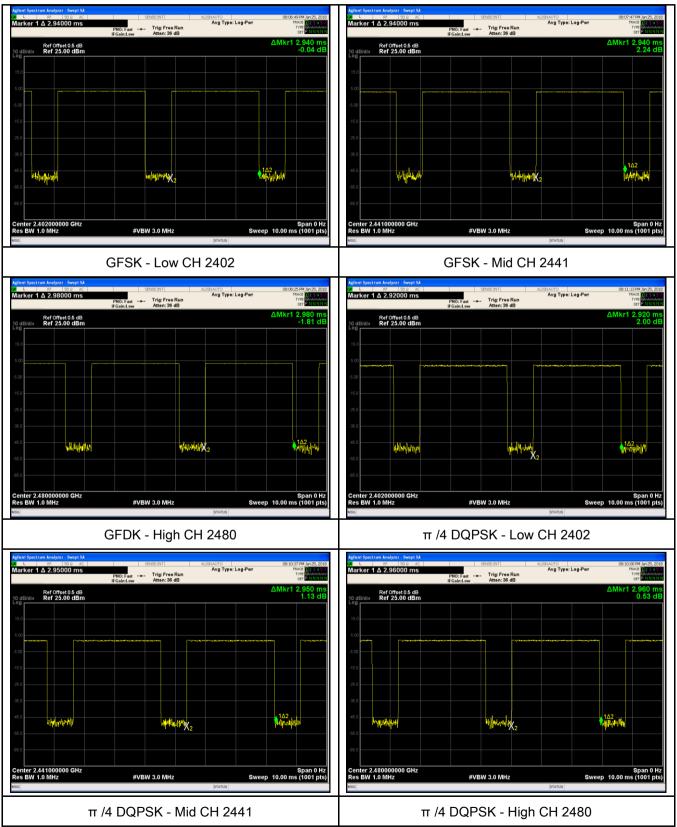
Tuno	Modulation	СН	Pulse Width	Dwell Time	Limit	Result
Туре	Modulation		(ms)	(ms)	(ms)	Result
		Low	2.940	313.600	400	Pass
	GFSK	Mid	2.940	313.600	400	Pass
		High	2.980	317.867	400	Pass
	π /4 DQPSK 8-DPSK	Low	2.920	311.467	400	Pass
Dwell Time		Mid	2.950	314.667	400	Pass
		High	2.960	315.733	400	Pass
		Low	2.960	315.733	400	Pass
		Mid	2.970	316.800	400	Pass
		High	2.970	316.800	400	Pass
Note: Dwell time=Pulse Time (ms) × (1600 ÷ 6 ÷ 79) ×31.6						



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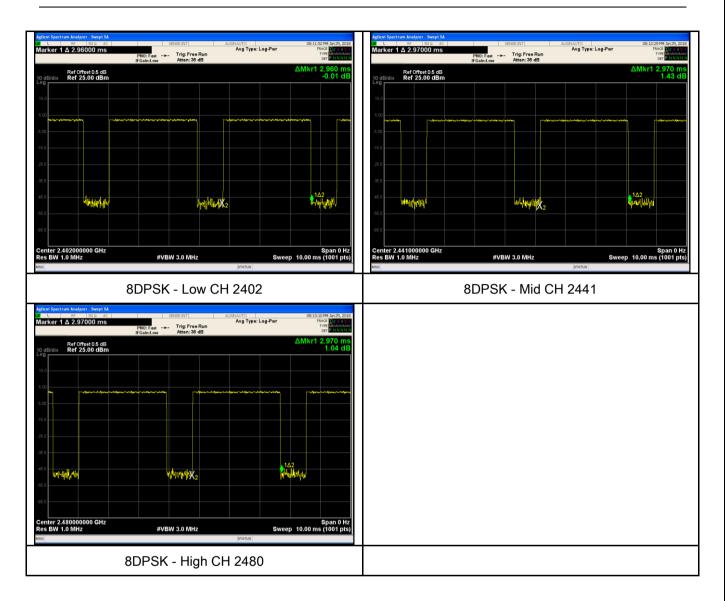
#### **Test Plots**

#### **Dwell Time measurement result**





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# 6.7 Band Edge & Restricted Band

Temperature	25 °C
Relative Humidity	57%
Atmospheric Pressure	1018mbar
Test date :	January 19, 2018
Tested By :	Aaron Liang

Spec	Item	Item Requirement Applicable		
§15.247(a) (1)(iii)	<ul> <li>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.</li> </ul>		Y	
Test Setup	Ant. Tower LUT& 3m Support Units 0.8/1.5m Ground Plane Test Receiver		e -	
Test Procedure	<ul> <li>The test follows FCC Public Notice DA 00-705 Measurement Guidelines.</li> <li>Radiated Method Only <ul> <li>1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.</li> <li>2. Position the EUT without connection to measurement instrument. Put it on the Rotated table and turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range,</li> </ul> </li> </ul>		r an internal ent. Put it on ansmitting	



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	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.
	<ul> <li>5. Repeat above procedures until all measured frequencies were complete.</li> </ul>
Remark	
Result	Pass Fail
	Yes N/A
Test Data	ines IN/A
Test Plot	Yes (See below)

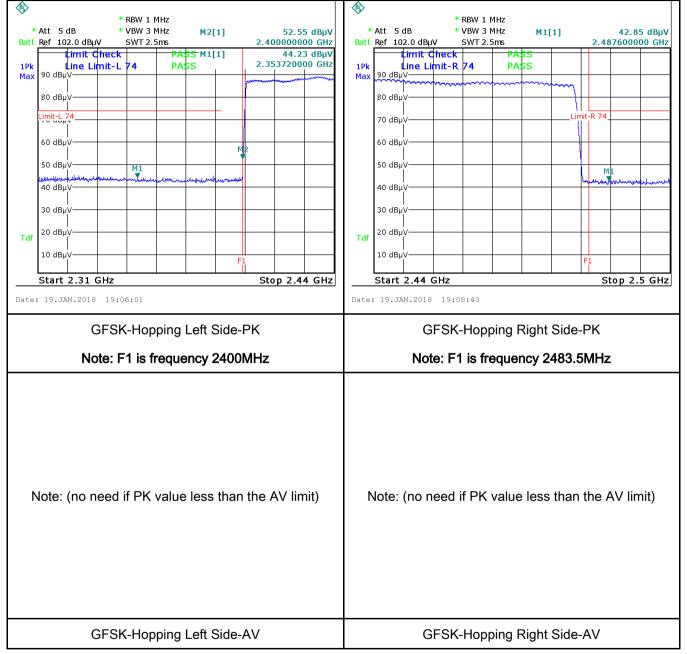


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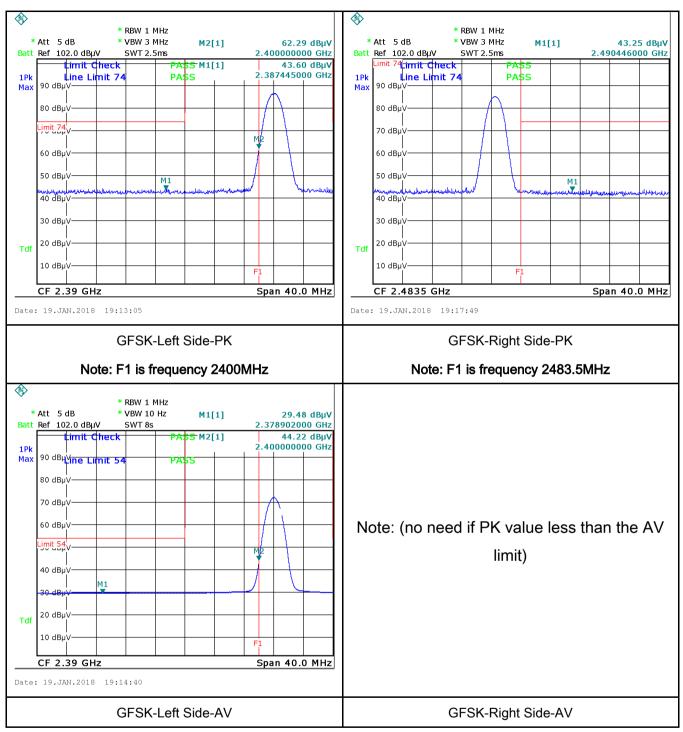
#### **Test Plots**

#### **GFSK Mode:**





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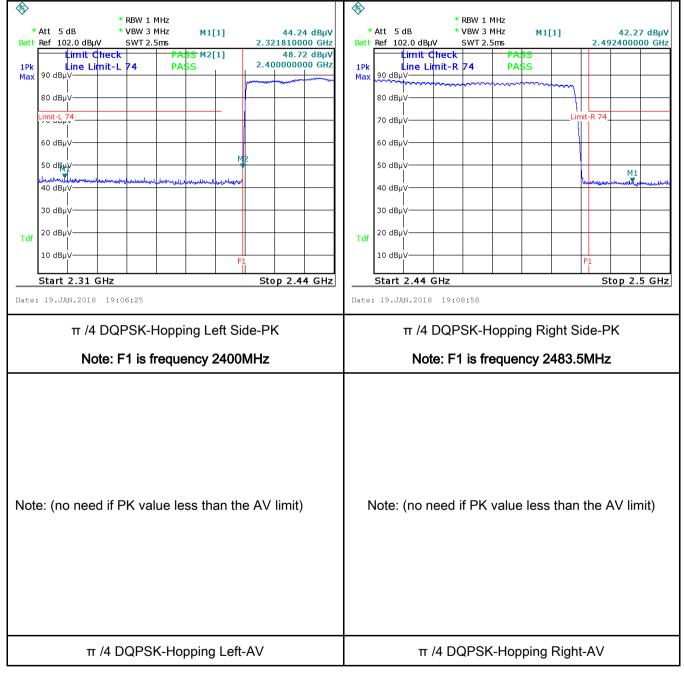




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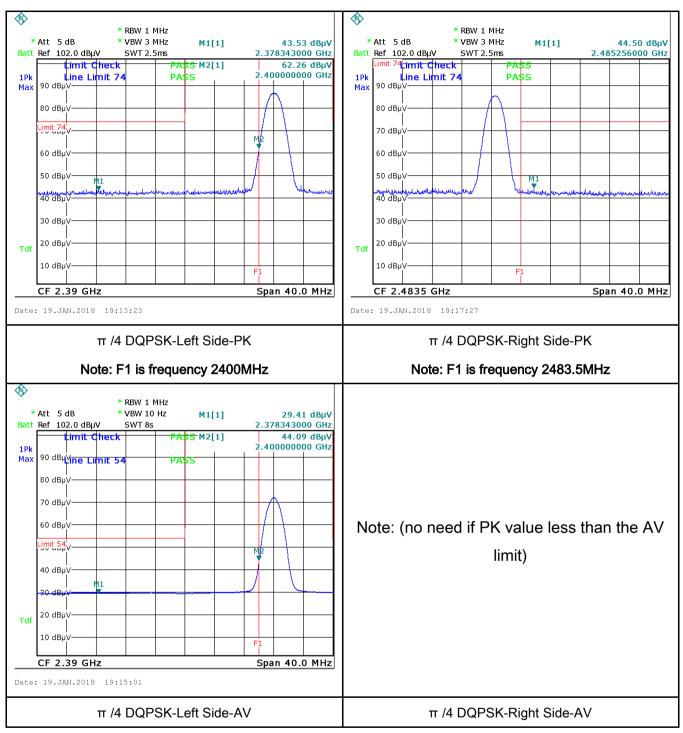
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#### $\pi$ /4 DQPSK Mode:





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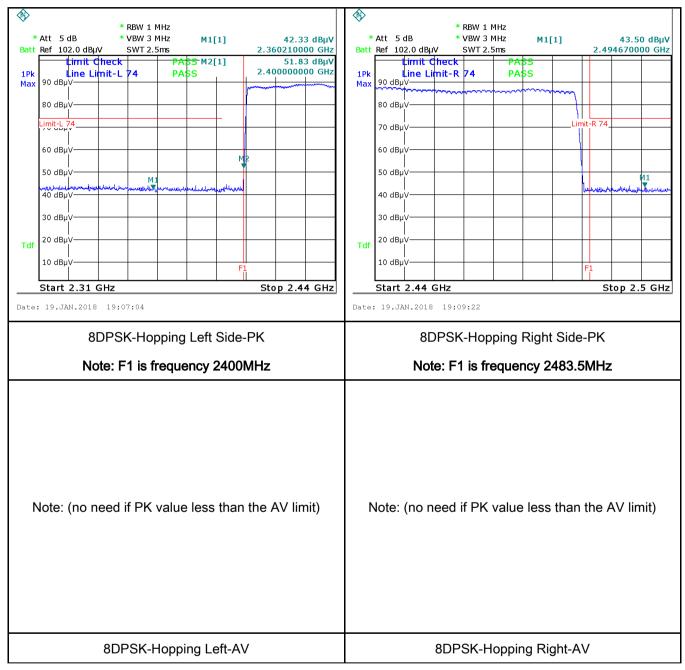




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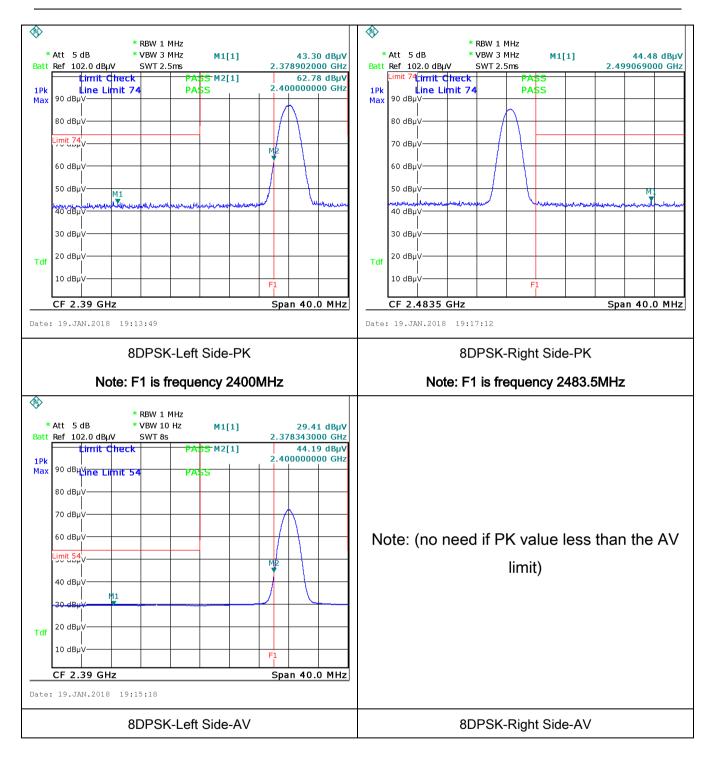
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#### 8-DPSK Mode:





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## 6.8 AC Power Line Conducted Emissions

Temperature	24 °C
Relative Humidity	53%
Atmospheric Pressure	1010mbar
Test date :	January 15, 2018
Tested By :	Aaron Liang

Spec	Item	Requirement	Applicable				
47CFR§15. 207, RSS210 (A8.1)	a)	For Low-power radio-fr connected to the public voltage that is conducted frequency or frequencies not exceed the limits in [mu]H/50 ohms line imp lower limit applies at the Frequency ranges (MHz) 0.15 ~ 0.5 0.5 ~ 5	L				
		5~30 60 50					
Test Setup	Vertical Ground Reference Plane EUT 40cm LISN LISN LISN Kote: 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.						
Procedure	<ol> <li>The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table.</li> <li>The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains.</li> </ol>						
	3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss						

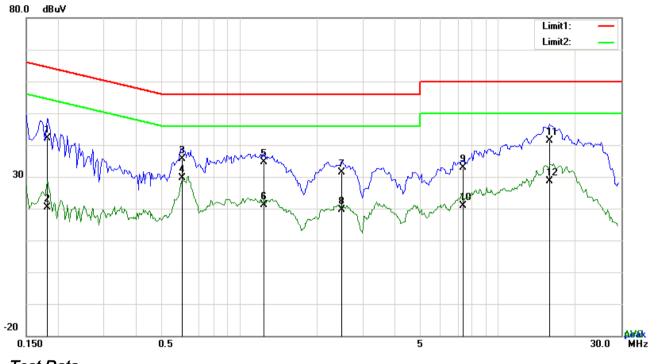
3					
SIE	MIC	Test Report	18070046-FCC-R3		
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			owered separately from another main supply. I to warm up to its normal operating condition.		
	<ol> <li>A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) over the required frequency range using an EMI test receiver.</li> <li>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 bandwide</li> </ol>				
Remark	setting of 10 kHz. 8. Step 7 was then repea	ated for the LIVE	line (for AC mains) or DC line (for DC power).		
Result	Pass Fa	ail			
_	Yes Yes (See below)	N/A N/A			



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# Test Mode: Bluetooth Mode



Test Data

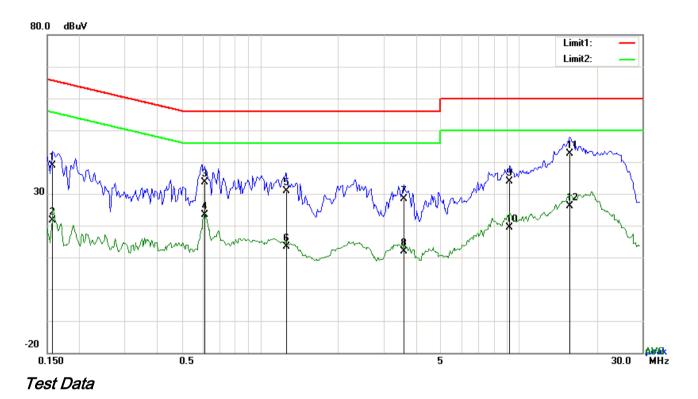
No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	L1	0.1812	32.04	QP	10.03	42.07	64.43	-22.36
2	L1	0.1812	10.30	AVG	10.03	20.33	54.43	-34.10
3	L1	0.6024	25.70	QP	10.03	35.73	56.00	-20.27
4	L1	0.6024	19.61	AVG	10.03	29.64	46.00	-16.36
5	L1	1.2459	24.60	QP	10.03	34.63	56.00	-21.37
6	L1	1.2459	11.12	AVG	10.03	21.15	46.00	-24.85
7	L1	2.4978	21.41	QP	10.05	31.46	56.00	-24.54
8	L1	2.4978	9.57	AVG	10.05	19.62	46.00	-26.38
9	L1	7.3602	22.72	QP	10.11	32.83	60.00	-27.17
10	L1	7.3602	10.73	AVG	10.11	20.84	50.00	-29.16
11	L1	15.8232	31.03	QP	10.24	41.27	60.00	-18.73
12	L1	15.8232	18.47	AVG	10.24	28.71	50.00	-21.29



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# Test Mode: Bluetooth Mode



## Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBuV)		(dB}	(dBuV)	(dBuV)	(dB)
1	N	0.1578	28.87	QP	10.02	38.89	65.58	-26.69
2	Ν	0.1578	11.50	AVG	10.02	21.52	55.58	-34.06
3	N	0.6102	23.60	QP	10.02	33.62	56.00	-22.38
4	N	0.6102	13.26	AVG	10.02	23.28	46.00	-22.72
5	Ν	1.2621	20.84	QP	10.03	30.87	56.00	-25.13
6	Ν	1.2621	3.26	AVG	10.03	13.29	46.00	-32.71
7	N	3.5967	18.32	QP	10.06	28.38	56.00	-27.62
8	N	3.5967	1.84	AVG	10.06	11.90	46.00	-34.10
9	Ν	9.2400	23.67	QP	10.13	33.80	60.00	-26.20
10	N	9.2400	9.25	AVG	10.13	19.38	50.00	-30.62
11	N	15.7374	32.32	QP	10.21	42.53	60.00	-17.47
12	Ν	15.7374	15.81	AVG	10.21	26.02	50.00	-23.98