

🧲 Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Report No: CCISE180603604

FCC REPORT (BLE)

Applicant: One Diamond Electronics INC.

Address of Applicant: 1450 Frazee Road, Suite 303 San Diego, CA 92108

Equipment Under Test (EUT)

Product Name: Mobile Phone

Model No.: PSPCL21A0

Trade mark: Polaroid

FCC ID: 2ADWUPSPCL21A0

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: 12 Jun., 2018

Date of Test: 12 Jun., to 26 Jul, 2018

Date of report issued: 27 Jul, 2018

Test Result: PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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2 Version

Version No.	Date	Description
00	27 Jul, 2018	Original

Tested by:

Date: 27 Jul, 2018

Reviewed by: Date: 27 Jul, 2018

Project Engineer



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4 Test Summary

Section in CFR 47	Result
15.203 & 15.247 (c)	Pass
15.207	Pass
15.247 (b)(3)	Pass
15.247 (a)(2)	Pass
15.247 (e)	Pass
15.247 (d)	Pass
15.205 & 15.209	Pass
	15.203 & 15.247 (c) 15.207 15.247 (b)(3) 15.247 (a)(2) 15.247 (e) 15.247 (d)

Pass: The EUT complies with the essential requirements in the standard.

N/A: Not Applicable.



5 General Information

5.1 Client Information

Applicant:	One Diamond Electronics INC.
Address:	1450 Frazee Road, Suite 303 San Diego, CA 92108
Manufacturer	Mobot Technology CO. Ltd
Address:	3/F, Building 14A, aihua Wutong Island Industrial Zone, Shunchang Road, ushu, Xixiang Street

5.2 General Description of E.U.T.

Product Name:	Mobile Phone
Model No.:	PSPCL21A0
Operation Frequency:	2402-2480 MHz
Channel numbers:	40
Channel separation:	2 MHz
Modulation technology:	GFSK
Data speed :	1Mbps
Antenna Type:	Internal Antenna
Antenna gain:	1.8 dBi
Power supply:	Rechargeable Li-ion Battery DC3.8V-2700mAh
AC adapter:	Input: AC100-240V, 50/60Hz, 0.2A Output: DC 5.0V, 1A

Operation Frequency each of channel						
Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
2406MHz	12	2426MHz	22	2446MHz	32	2466MHz
2408MHz	13	2428MHz	23	2448MHz	33	2468MHz
2410MHz	14	2430MHz	24	2450MHz	34	2470MHz
2412MHz	15	2432MHz	25	2452MHz	35	2472MHz
2414MHz	16	2434MHz	26	2454MHz	36	2474MHz
2416MHz	17	2436MHz	27	2456MHz	37	2476MHz
2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
2420MHz	19	2440MHz	29	2460MHz	39	2480MHz
	Frequency 2402MHz 2404MHz 2406MHz 2408MHz 2410MHz 2412MHz 2414MHz 2416MHz 2416MHz	Frequency Channel 2402MHz 10 2404MHz 11 2406MHz 12 2408MHz 13 2410MHz 14 2412MHz 15 2414MHz 16 2416MHz 17 2418MHz 18	Frequency Channel Frequency 2402MHz 10 2422MHz 2404MHz 11 2424MHz 2406MHz 12 2426MHz 2408MHz 13 2428MHz 2410MHz 14 2430MHz 2412MHz 15 2432MHz 2414MHz 16 2434MHz 2416MHz 17 2436MHz 2418MHz 18 2438MHz	Frequency Channel Frequency Channel 2402MHz 10 2422MHz 20 2404MHz 11 2424MHz 21 2406MHz 12 2426MHz 22 2408MHz 13 2428MHz 23 2410MHz 14 2430MHz 24 2412MHz 15 2432MHz 25 2414MHz 16 2434MHz 26 2416MHz 17 2436MHz 27 2418MHz 18 2438MHz 28	Frequency Channel Frequency Channel Frequency 2402MHz 10 2422MHz 20 2442MHz 2404MHz 11 2424MHz 21 2444MHz 2406MHz 12 2426MHz 22 2446MHz 2408MHz 13 2428MHz 23 2448MHz 2410MHz 14 2430MHz 24 2450MHz 2412MHz 15 2432MHz 25 2452MHz 2414MHz 16 2434MHz 26 2454MHz 2416MHz 17 2436MHz 27 2456MHz 2418MHz 18 2438MHz 28 2458MHz	Frequency Channel Frequency Channel Frequency Channel 2402MHz 10 2422MHz 20 2442MHz 30 2404MHz 11 2424MHz 21 2444MHz 31 2406MHz 12 2426MHz 22 2446MHz 32 2408MHz 13 2428MHz 23 2448MHz 33 2410MHz 14 2430MHz 24 2450MHz 34 2412MHz 15 2432MHz 25 2452MHz 35 2414MHz 16 2434MHz 26 2454MHz 36 2416MHz 17 2436MHz 27 2456MHz 37 2418MHz 18 2438MHz 28 2458MHz 38

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test. Channel No. 0, 20 & 39 were selected as Lowest, Middle and Highest channel.



5.3 Test environment and test mode

Operating Environment:			
Temperature:	24.0 °C		
Humidity:	54 % RH		
Atmospheric Pressure:	1010 mbar		
Test mode:			
Transmitting mode	Keep the EUT in continuous transmitting with modulation		

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The sample was placed 0.8m (below 1GHz)/1.5m (above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. Duty cycle setting during the transmission is 100% with maximum power setting for all modulations.

5.4 Description of Support Units

The EUT has been tested as an independent unit.

5.5 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±2.22 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±2.76 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.28 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.72 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±2.88 dB (k=2)

5.6 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Registration No.: 727551

Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The Registration No. is 727551.

IC - Registration No.: 10106A-1

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

• A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

5.7 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info@ccis-cb.com, Website: http://www.ccis-cb.com

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,
Bao'an District, Shenzhen, Guangdong, China
Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



5.8 Test Instruments list

Radiated Emission:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	SAEMC	9m*6m*6m	966	07-22-2017	07-21-2020
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	03-16-2018	03-15-2019
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-16-2018	03-15-2019
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-16-2018	03-15-2019
EMI Test Software	AUDIX	E3	6.110919b	N/A	N/A
Pre-amplifier	HP	8447D	2944A09358	03-07-2018	03-06-2019
Pre-amplifier	CD	PAP-1G18	11804	03-07-2018	03-06-2019
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-07-2018	03-06-2019
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-07-2018	03-06-2019
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2018	03-06-2019
Cable	MICRO-COAX	MFR64639	K10742-5	03-07-2018	03-06-2019
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2018	03-06-2019

Conducted Emission:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-07-2018	03-06-2019
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-07-2018	03-06-2019
LISN	CHASE	MN2050D	1447	03-19-2018	03-18-2019
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2018	07-20-2019
Cable	HP	10503A	N/A	03-07-2018	03-06-2019
EMI Test Software	AUDIX	E3	6.110919b	N/A	N/A



6 Test results and Measurement Data

6.1 Antenna requirement:

Standard requirement:

FCC Part 15 C Section 15.203 /247(c)

15.203 requirement:

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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The BLE antenna is an Internal antenna which cannot replace by end-user, the best-case gain of the antenna is 1.8 dBi.



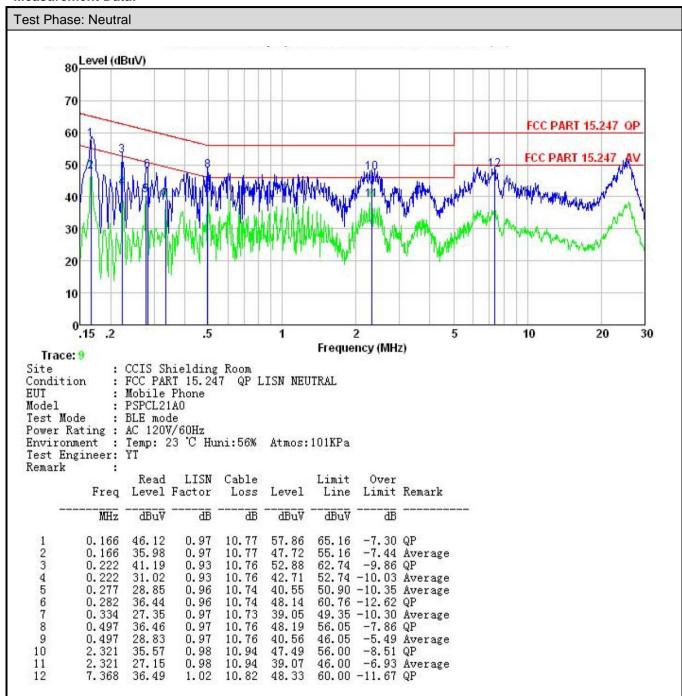


6.2 Conducted Emission

Test Requirement:	FCC Part 15 C Section 15.	.207	
Test Method:	ANSI C63.10: 2013		
Test Frequency Range:	150 kHz to 30 MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9kHz, VBW=30kHz		
Limit:	·	Limit	(dBuV)
	Frequency range (MHz)	Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
	* Decreases with the logar	ithm of the frequency.	
Test procedure	 The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), which provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement. 		
Test setup:	Reference Plane		
	AUX Equipment Test table/Insulation pla Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Test table height=0.8m	EMI Receiver	AC power
Test Instruments:	Refer to section 5.8 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Passed		



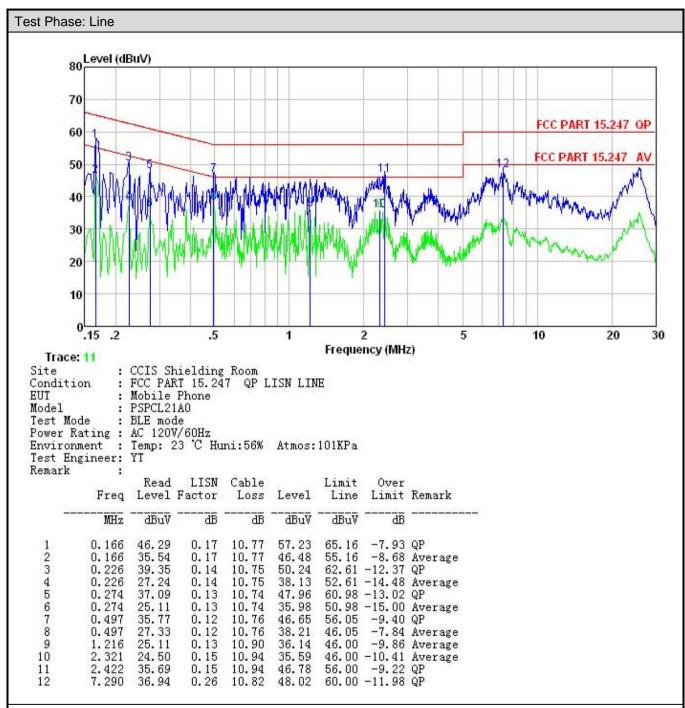
Measurement Data:



Notes:

- 1. An initial pre-scan was performed on the live and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.





Notes:

- 1. An initial pre-scan was performed on the live and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



6.3 Conducted Output Power

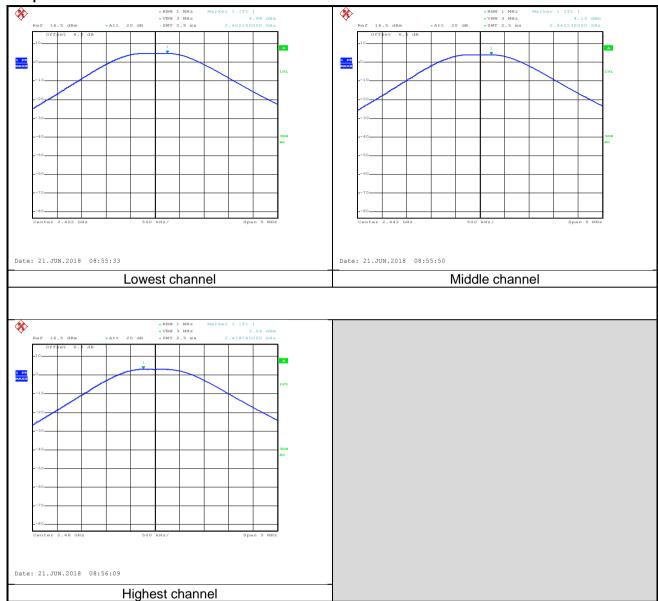
Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)	
Test Method:	ANSI C63.10:2013 and KDB 558074	
Limit:	30dBm	
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane	
Test Instruments:	Refer to section 5.8 for details	
Test mode:	Refer to section 5.3 for details	
Test results:	Passed	

Measurement Data:

Test CH	Maximum Conducted Output Power (dBm)	Limit(dBm)	Result
Lowest	4.94		
Middle	4.13	30.00	Pass
Highest	3.24		



Test plot as follows:





6.4 Occupy Bandwidth

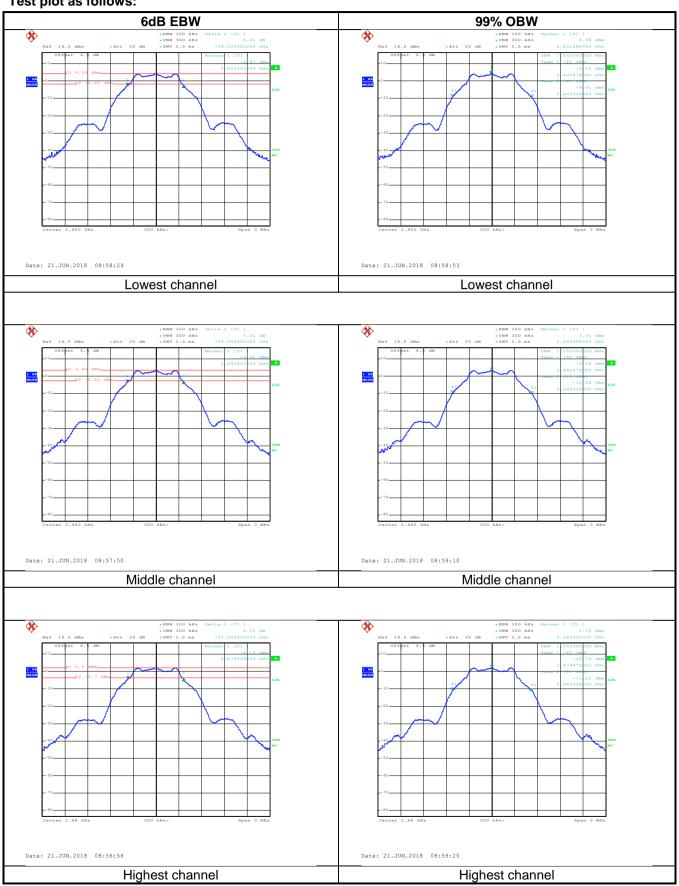
Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)		
Test Method:	ANSI C63.10:2013 and KDB 558074		
Limit:	>500kHz		
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane		
Test Instruments:	Refer to section 5.8 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Passed		

Measurement Data:

Test CH	6dB Emission Bandwidth (MHz)	Limit(kHz)	Result	
Lowest	0.738		Pass	
Middle	0.738	>500		
Highest	0.732			
Test CH	99% Occupy Bandwidth (MHz)	Limit(kHz)	Result	
Lowest	1.050			
Middle	1.050	N/A	N/A	
Highest	1.050			



Test plot as follows:





6.5 Power Spectral Density

Test Requirement:	FCC Part 15 C Section 15.247 (e)				
Test Method:	ANSI C63.10:2013 and KDB 558074				
Limit:	8 dBm				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 5.8 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				

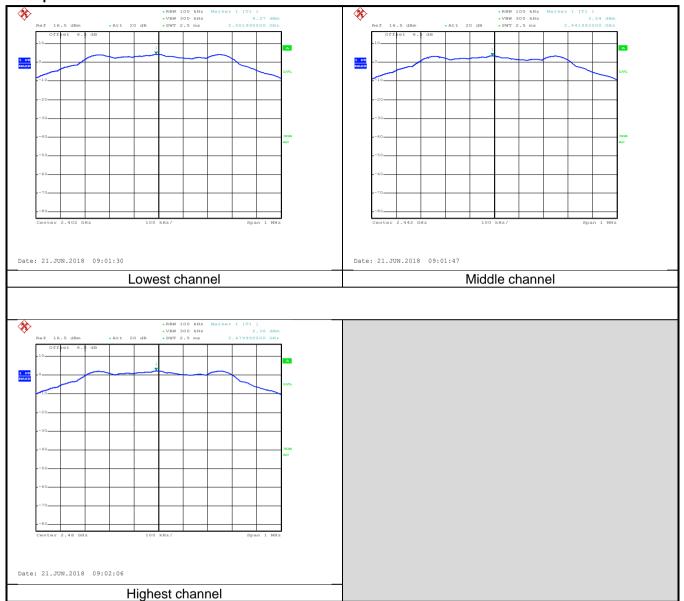
Measurement Data:

Test CH	Power Spectral Density (dBm)	Limit(dBm)	Result
Lowest	4.37		
Middle	3.54	8.00	Pass
Highest	2.36		





Test plots as follow:





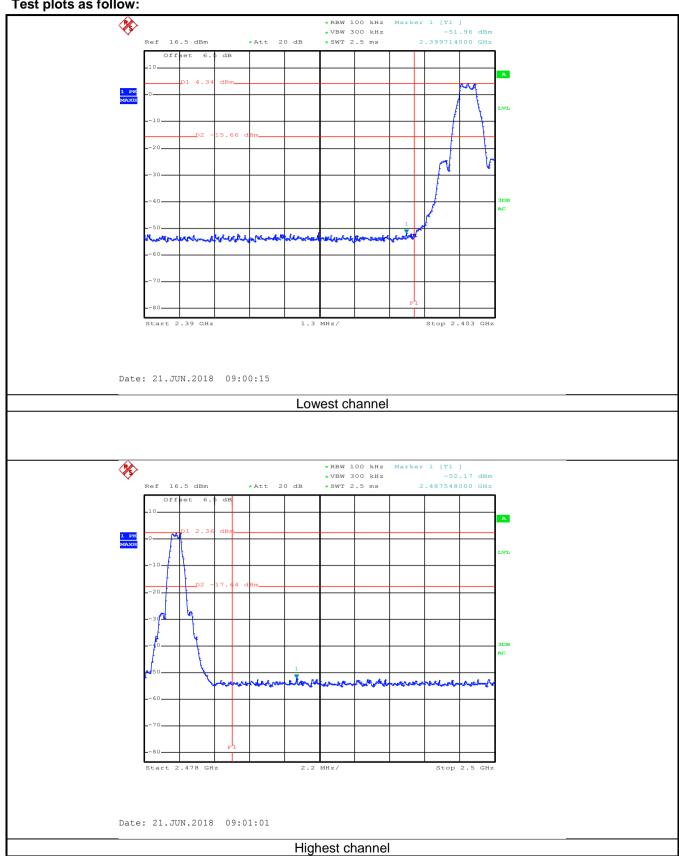
6.6 Band Edge

6.6.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)				
Test Method:	ANSI C63.10:2013 and KDB 558074				
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.				
Test setup:					
	Spectrum Analyzer				
	Non-Conducted Table				
	Ground Reference Plane				
Test Instruments:	Refer to section 5.8 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				



Test plots as follow:

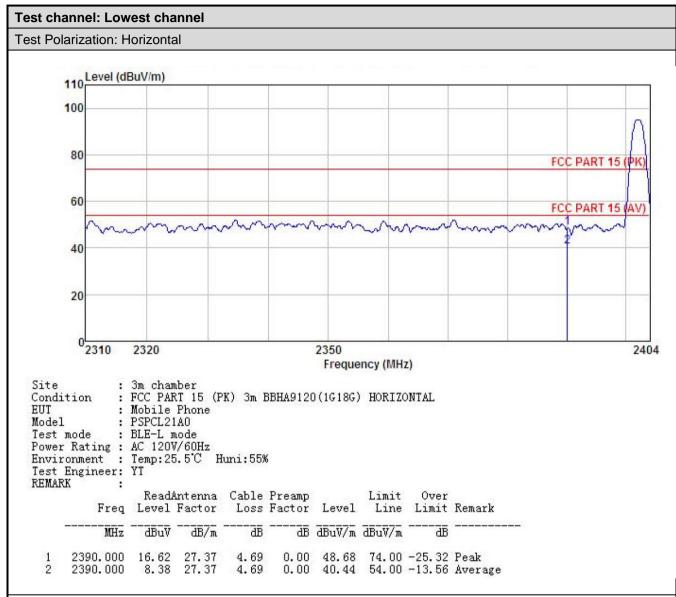




6.6.2 Radiated Emission Method

O.O.E INdulated Elillosion i	5.2 Radiated Emission Method							
Test Requirement:	FCC Part 15 C Section 15.205 and 15.209							
Test Method:	ANSI C63.10: 2013 and KDB 558074							
Test Frequency Range:	2.3GHz to 2.5GHz							
Test Distance:	3m							
Receiver setup:	Frequency	Detector		VBW Remark				
	Above 1GHz	Peak RMS	1MHz 1MHz	3MHz 3MHz	Peak Value Average Value			
Limit:	Frequen		Limit (dBuV/m @3		Remark			
	Above 10		54.00		verage Value			
			74.00		Peak Value			
Test Procedure:	 The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasipeak or average method as specified and then reported in a data 							
Test setup:	AE (To	LEUT Jurntable) G	3m 3	Antenna Tower				
Test Instruments:	Refer to section	n 5.8 for de	etails					
Test mode:	Refer to section 5.3 for details							
Test results:	Passed							

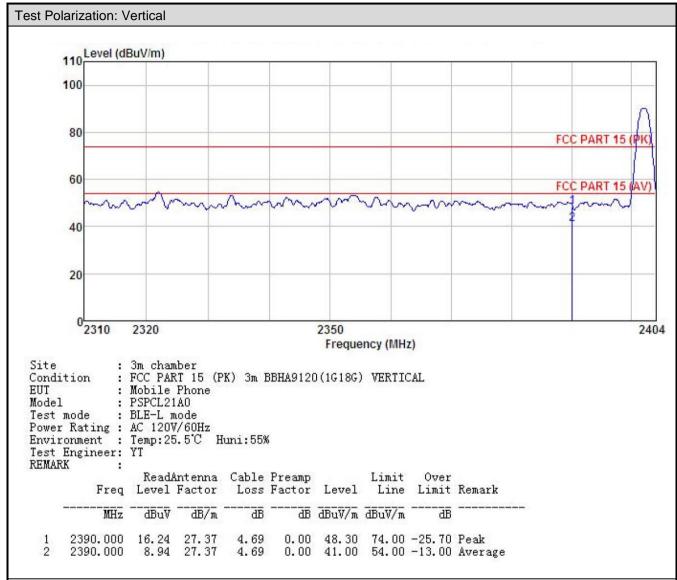




1. Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

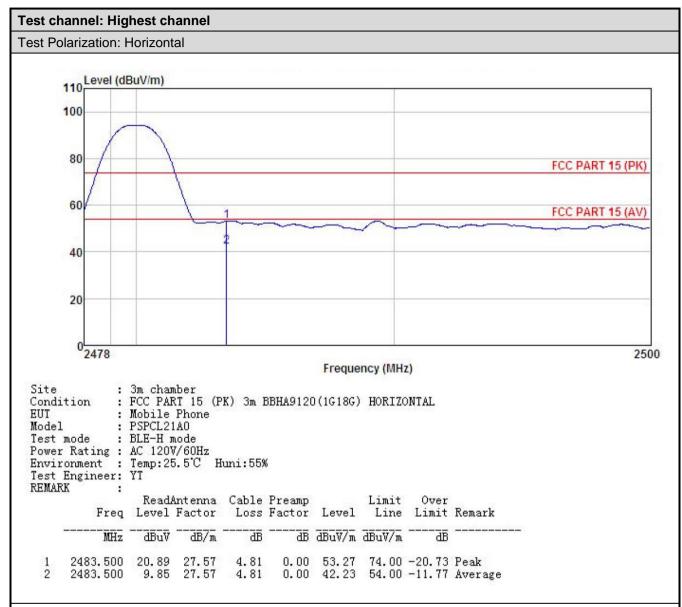




- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.

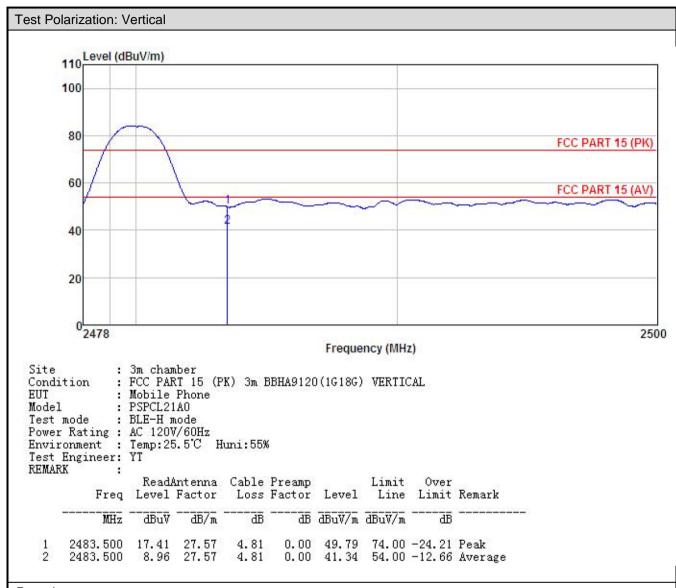






- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.





1. Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.



6.7 Spurious Emission

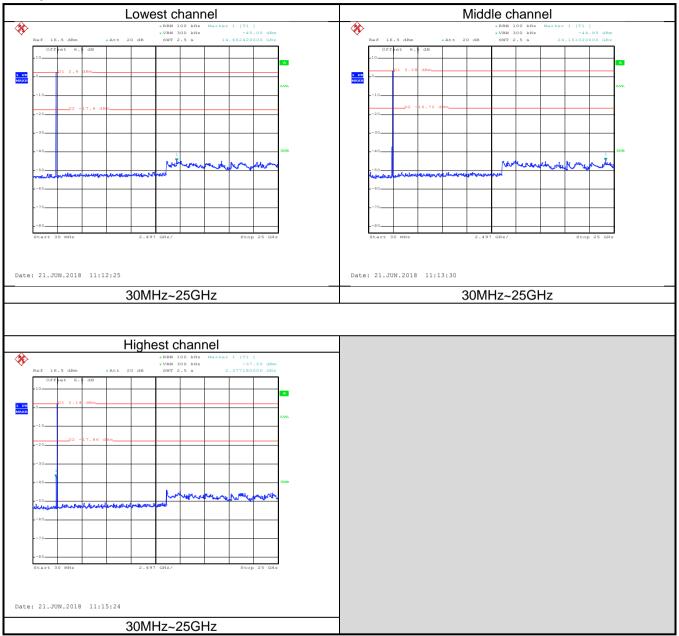
6.7.1 Conducted Emission Method

0.7.1 Conducted Linission	· motriou				
Test Requirement:	FCC Part 15 C Section 15.247 (d)				
Test Method:	ANSI C63.10:2013 and KDB 558074				
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 5.8 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				





Test plot as follows:





6.7.2 Radiated Emission Method

6.7.2 Radiated Emission N	vietnoa								
Test Requirement:	FCC Part 15 C Section 15.205 and 15.209								
Test Method:	ANSI C63.10:2013								
Test Frequency Range:	9kHz to 25GHz								
Test Distance:	3m								
Receiver setup:	Frequency Detector RBW			RBW	VB	3W	Remark		
·	30MHz-1GHz	Quasi-pe	ak	120KHz	3001	KHz	Quasi-peak Value		
	Above 1GHz	Peak		1MHz	3M		Peak Value		
	RMS 1MHz 3MHz Av		Average Value						
Limit:	Frequency		Lin	nit (dBuV/m @	:3m)		Remark		
	30MHz-88M			40.0			Quasi-peak Value		
	88MHz-216M 216MHz-960N	-		46.0			luasi-peak Value luasi-peak Value		
	960MHz-1G			54.0			luasi-peak Value		
				54.0			Average Value		
	Above 1GF			74.0			Peak Value		
Test Procedure:	1GHz)/1.5r The table we highest rad antenna, we tower. 3. The antenry the ground Both horizon make the meters and to find the restrict Specified E. If the emission of the EUT have 10 dE.	n(above 1 was rotate liation. was set 3 hich was rotate land neasurement on tall and neasurement liber the aid the rotate maximum eceiver system of the liber libe	IGH2 ed 36 3 memour is varient is varient. emintentable reacyster with of the en tee reportulation is reproduced in the enter expense in the enter expense is reproduced in the enter expense in the expense in the enter expense in the enter expense in the enter e	z) above the 20 degrees to 20 degree to	groun o deter from th op of a ne met um valu ions of to Pea old Mo ak mod be stop wise th d one b	d at a mine of the intervariate of the area degreed was ped are e emisy one	table 0.8m(below 3 meter camber. the position of the rference-receiving ble-height antenna our meters above the field strength. Intenna are set to anged to its worst from 1 meter to 4 es to 360 degrees ect Function and at 10 dB lower than and the peak values asions that did not using peak, quasi-reported in a data		
Test setup:	EUT	3m 4m				Antenna Search Antenn Test ceiver —	ı		



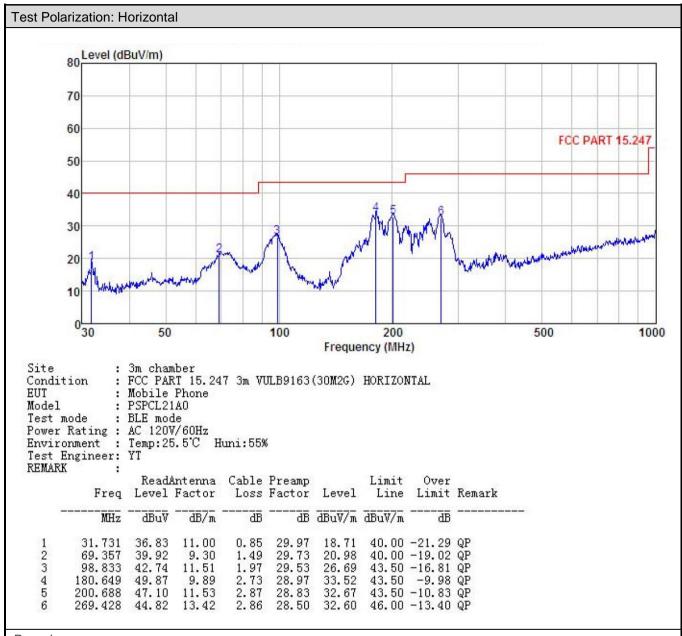
	Above 1GHz
	AE EUT Horn Antenna Tower Ground Reference Plane Test Receiver Test Receiver
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	 Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report.





Measurement Data (worst case):

Below 1GHz:

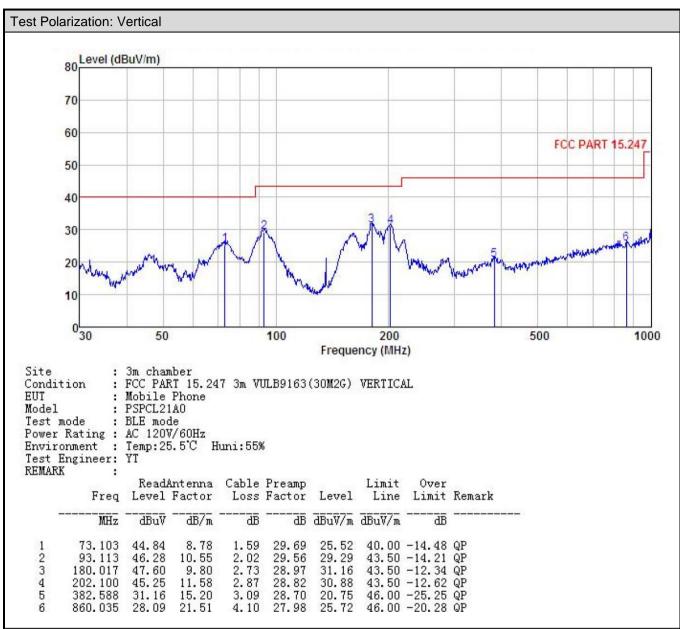


Remark

^{1.} Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

^{2.} The emission levels of other frequencies are very lower than the limit and not show in test report.





- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



Above 1GHz

Above 1GHz								
				annel: Lowe				
Detector: Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	49.62	30.85	6.80	41.81	45.46	74.00	-28.54	Vertical
4804.00	48.21	30.85	6.80	41.81	44.05	74.00	-29.95	Horizontal
			Dete	ctor: Avera	ge Value			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	39.62	30.85	6.80	41.81	35.46	54.00	-18.54	Vertical
4804.00	40.12	30.85	6.80	41.81	35.96	54.00	-18.04	Horizontal
				annel: Mido				
		1		tector: Peak	Value		T	ı
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4884.00	49.62	31.20	6.86	41.84	45.84	74.00	-28.16	Vertical
4884.00	49.77	31.20	6.86	41.84	45.99	74.00	-28.01	Horizontal
			Dete	ctor: Averaç	ge Value			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4884.00	40.23	31.20	6.86	41.84	36.45	54.00	-17.55	Vertical
4884.00	39.69	31.20	6.86	41.84	35.91	54.00	-18.09	Horizontal
			Test ch	annel: Highe	est channel			
			De	tector: Peak	Value			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	49.50	31.63	6.91	41.87	46.17	74.00	-27.83	Vertical
4960.00	50.77	31.63	6.91	41.87	47.44	74.00	-26.56	Horizontal
			Dete	ctor: Averaç	ge Value			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	39.62	31.63	6.91	41.87	36.29	54.00	-17.71	Vertical
4960.00	41.79	31.63	6.91	41.87	38.46	54.00	-15.54	Horizontal
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Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.