

# 🧲 Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Report No: CCISE180916204

# FCC REPORT (BLE)

Applicant: SKY PHONE LLC

Address of Applicant: 1348 Washington Av. Suite 350, Miami Beach, FL 33139

**Equipment Under Test (EUT)** 

Product Name: 3G Smart Phone

Model No.: Platinum D5

Trade mark: SKY DEVICES

FCC ID: 2ABOSSKYPLATD5

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

Date of sample receipt: 29 Sep., 2018

**Date of Test:** 29 Sep., to 07 Nov., 2018

Date of report issued: 13 Nov., 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.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.





### 2 Version

Version No.	Date	Description
00	13 Nov., 2018	Original

Tested by:

Test Engineer

Date: 13 Nov., 2018

Reviewed by: Date: 13 Nov., 2018

Project Engineer



# 3 Contents

		Page
1	COVER PAGE	1
2	VERSION	2
3	CONTENTS	3
4		
5		
_	5.1 CLIENT INFORMATION	
	5.1 CLIENT INFORMATION	
	5.3 TEST ENVIRONMENT AND TEST MODE	
	5.4 DESCRIPTION OF SUPPORT UNITS	
	5.5 MEASUREMENT UNCERTAINTY	
	5.6 LABORATORY FACILITY	
	5.7 LABORATORY LOCATION	
	5.8 TEST INSTRUMENTS LIST	
6	TEST RESULTS AND MEASUREMENT DATA	8
	6.1 ANTENNA REQUIREMENT:	8
	6.2 CONDUCTED EMISSION	9
	6.3 CONDUCTED OUTPUT POWER	12
	6.4 OCCUPY BANDWIDTH	
	6.5 POWER SPECTRAL DENSITY	16
	6.6 BAND EDGE	
	6.6.1 Conducted Emission Method	
	6.6.2 Radiated Emission Method	
	6.7 Spurious Emission	
	6.7.1 Conducted Emission Method	
	6.7.2 Radiated Emission Method	
7	TEST SETUP PHOTO	32
Ω	ELIT CONSTRUCTIONAL DETAILS	3/





# 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:	SKY PHONE LLC
Address:	1348 Washington Av. Suite 350, Miami Beach, FL 33139
Manufacturer	Shenzhen Tianruixiang Communication Equipment Co., Ltd
Address:	12F, Zhongshan University Science Building Xuefu Road, Hi-tech Park, Shenzhen, China
Factory:	GUIZHOU HANRAY ELECTRONICS CO., LTD.
Address:	West No.9 Road, Industrial Park Xixiu District Anshun, Guizhou 56100, China

# 5.2 General Description of E.U.T.

Product Name:	3G Smart Phone
Model No.:	Platinum D5
Operation Frequency:	2402-2480 MHz
Channel numbers:	40
Channel separation:	2 MHz
Modulation technology:	GFSK
Data speed :	1Mbps
Antenna Type:	Internal Antenna
Antenna gain:	1.0 dBi
Power supply:	Rechargeable Li-ion Battery DC3.7V-2000mAh
AC adapter:	Model: Platinum D5 Input: AC100-240V, 50/60Hz, 0.2A Output: DC 5.0V, 1.0A
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

Operation	Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency	
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz	
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz	
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz	
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz	
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz	
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz	
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz	
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz	
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz	
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz	

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

**Report No: CCISE180916204** 

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: <a href="https://portal.a2la.org/scopepdf/4346-01.pdf">https://portal.a2la.org/scopepdf/4346-01.pdf</a>

# 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

Page 6 of 34



# 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	
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2017	06-21-2020	
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-21-2017	11-20-2018	
EMI Test Software	AUDIX	E3	Version: 6.110919b		b	
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	
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-21-2017	11-20-2018	
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	
RF Switch Unit	MWRFTEST	MW200	N/A	N/A	N/A	
Test Software	MWRFTEST	MTS8200		Version: 2.0.0.0		

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	\	ersion: 6.110919/	b	



### 6 Test results and Measurement Data

### 6.1 Antenna requirement:

### Standard requirement:

FCC Part 15 C Section 15.203 /247(b)

15.203 requirement:

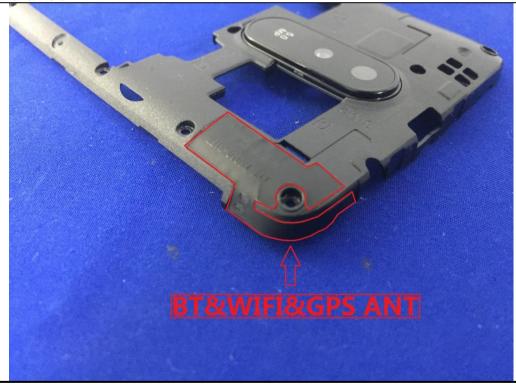
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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(b) (4) requirement:

(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### 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 1.0 dBi.





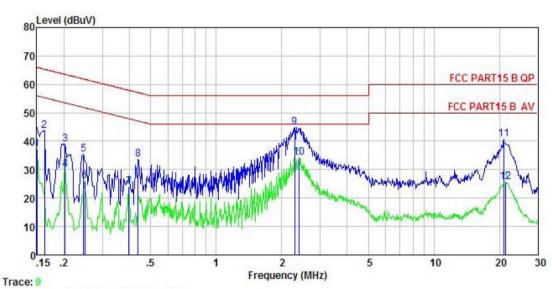
# **6.2 Conducted Emission**

500hm/50uH coupling impedance for the measuring equipment.  2. The peripheral devices are also connected to the main power the a LISN that provides a 500hm/50uH coupling impedance with 5 termination. (Please refer to the block diagram of the test setu photographs).  3. Both sides of A.C. line are checked for maximum condinterference. In order to find the maximum emission, the repositions of equipment and all of the interface cables must be chaccording to ANSI C63.4: 2014 on conducted measurement.  Test setup:  Reference Plane  LISN  AUX  Equipment  LISN  Filter  AC power  EUT: Equipment Under Test  LISN Line Impedence Stabilization Network  Test table height=0.8m  Refer to section 5.8 for details				
Test Frequency Range:  Class / Severity:  Class B  Receiver setup:  RBW=9kHz, VBW=30kHz  Limit:  Frequency range (MHz)  O.15-0.5  66 to 56* 56 to 46* 0.5-5  56 46  5-30  * Decreases with the logarithm of the frequency.  1. The E.U.T and simulators are connected to the main power through line impedance stabilization network (L.I.S.N.), which provides 50hm/50uH coupling impedance for the measuring equipment.  2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 5 termination. (Please refer to the block diagram of the test setu photographs).  3. Both sides of A.C. line are checked for maximum concinterference. In order to find the maximum emission, the positions of equipment and all of the interface cables must be chaccording to ANSI C63.4: 2014 on conducted measurement.  Test setup:  Reference Plane  LISN Line impedence Stabilization Network Test table height-0.8m  Test Instruments:  Refer to section 5.8 for details	Test Requirement:	FCC Part 15 C Section 15	.207	
Class / Severity:  Receiver setup:  RBW=9kHz, VBW=30kHz  Limit:  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 logarithm of the frequency.  1. The E.U.T and simulators are connected to the main power through the properties of the measuring equipment.  2. The peripheral devices are also connected to the main power that a LISN that provides a 50ohm/50uH coupling impedance with 5 termination. (Please refer to the block diagram of the test setu photographs).  3. Both sides of A.C. line are checked for maximum condinterference. In order to find the maximum emission, the positions of equipment and all of the interface cables must be chaccording to ANSI C63.4: 2014 on conducted measurement.  Test setup:  Reference Plane  Reference Plane  Reference Plane  Reference Stabilization Network  Test table height-0.8m  Refer to section 5.8 for details	Test Method:	ANSI C63.10: 2013		
Receiver setup:  RBW=9kHz, VBW=30kHz  Limit:  Frequency range (MHz)  Ouasi-peak  Average  0.15-0.5  66 to 56* 56 to 46*  0.5-5  56 46  5-30  * Decreases with the logarithm of the frequency.  1. The E.U.T and simulators are connected to the main power through the initial provides a Sobohm/SouH coupling impedance for the measuring equipment.  2. The peripheral devices are also connected to the main power that a LISN that provides a Sobohm/SouH coupling impedance with 5 termination. (Please refer to the block diagram of the test setup photographs).  3. Both sides of A.C. line are checked for maximum condinterference. In order to find the maximum emission, the repositions of equipment and all of the interface cables must be characcording to ANSI C63.4: 2014 on conducted measurement.  Test setup:  Reference Plane  LISN  AUX  EQUIPMENT  Test table/Insulation plane  Remark  EUT Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0.8m  Test Instruments:  Refer to section 5.8 for details	Test Frequency Range:	150 kHz to 30 MHz		
Limit:    Frequency range (MHz)	Class / Severity:	Class B		
D.15-0.5 66 to 56* 56 to 46*  0.15-0.5 56 46  5-30 60 50  * Decreases with the logarithm of the frequency.  1. The E.U.T and simulators are connected to the main power through in impedance stabilization network (L.I.S.N.), which provision of the peripheral devices are also connected to the main power that a LISN that provides a 50ohm/50uH coupling impedance with 5 termination. (Please refer to the block diagram of the test setup photographs).  3. Both sides of A.C. line are checked for maximum condinterference. In order to find the maximum emission, the repositions of equipment and all of the interface cables must be characcording to ANSI C63.4: 2014 on conducted measurement.  Test setup:  Reference Plane    Company	Receiver setup:	RBW=9kHz, VBW=30kHz		
D.15-0.5 66 to 56* 56 to 46*  0.5-5 56 46  5-30 60 50  * Decreases with the logarithm of the frequency.  1. The E.U.T and simulators are connected to the main power through impedance stabilization network (L.I.S.N.), which provision of the peripheral devices are also connected to the main power that a LISN that provides a 50ohm/50uH coupling impedance with 5 termination. (Please refer to the block diagram of the test setup photographs).  3. Both sides of A.C. line are checked for maximum condinterference. In order to find the maximum emission, the repositions of equipment and all of the interface cables must be characcording to ANSI C63.4: 2014 on conducted measurement.  Test setup:  Reference Plane  LISN  AUX  Equipment  LISN  Filter  AC power  Reference Plane  LISN  AUX  Equipment Under Test  LISN Line impedence Stabilization Network  Test table height=0.8m  Refer to section 5.8 for details	Limit:		Limit	(dBuV)
Test procedure  Test procedure  Test procedure  1. The E.U.T and simulators are connected to the main power through line impedance stabilization network (L.I.S.N.), which provision in the proving sook of the measuring equipment.  2. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance with 5 termination. (Please refer to the block diagram of the test setup hotographs).  3. Both sides of A.C. line are checked for maximum condinate interference. In order to find the maximum emission, the repositions of equipment and all of the interface cables must be chaccording to ANSI C63.4: 2014 on conducted measurement.  Test setup:  Reference Plane  LISN  Aux  Equipment  LUSN  Aux  Equipment  LUSN  Filter  Ac power  EMI  Receiver  Test table/Insulation plane  Remark  E.U.T. Equipment Under Test  LISN Line impedence Stabilization Network  Test table height=0.8m  Test Instruments:  Refer to section 5.8 for details		, , ,		
* Decreases with the logarithm of the frequency.  1. The E.U.T and simulators are connected to the main power through the impedance stabilization network (L.I.S.N.), which proving 500hm/50uH coupling impedance for the measuring equipment.  2. The peripheral devices are also connected to the main power that a LISN that provides a 500hm/50uH coupling impedance with 5 termination. (Please refer to the block diagram of the test seture photographs).  3. Both sides of A.C. line are checked for maximum condinterference. In order to find the maximum emission, the repositions of equipment and all of the interface cables must be chaccording to ANSI C63.4: 2014 on conducted measurement.  Test setup:  **Reference Plane**  **Reference Plane**  **LISN**  **LIS				
* Decreases with the logarithm of the frequency.  1. The E.U.T and simulators are connected to the main power through line impedance stabilization network (L.I.S.N.), which provides 500hm/50uH coupling impedance for the measuring equipment.  2. The peripheral devices are also connected to the main power through the a LISN that provides a 500hm/50uH coupling impedance with a LISN that provides a 500hm/50uH coupling impedance with a LISN that provides a 500hm/50uH coupling impedance with a LISN that provides a 500hm/50uH coupling impedance with a termination. (Please refer to the block diagram of the test setup hotographs).  3. Both sides of A.C. line are checked for maximum condinterference. In order to find the maximum emission, the repositions of equipment and all of the interface cables must be chaccording to ANSI C63.4: 2014 on conducted measurement.  Test setup:  Reference Plane  LISN  LISN  LISN  LISN  LISN  LISN  LISN Line impedance Stabilization Network  Test table height-0 8m  Test Instruments:  Refer to section 5.8 for details				
1. The E.U.T and simulators are connected to the main power through line impedance stabilization network (L.I.S.N.), which provides a book of the measuring equipment.  2. The peripheral devices are also connected to the main power that a LISN that provides a 500hm/50uH coupling impedance with a LISN that provides a 500hm/50uH coupling impedance with the termination. (Please refer to the block diagram of the test seture photographs).  3. Both sides of A.C. line are checked for maximum condinterference. In order to find the maximum emission, the repositions of equipment and all of the interface cables must be characteristic according to ANSI C63.4: 2014 on conducted measurement.  Test setup:  Reference Plane  LISN  LISN  Filter  AC power  Remark  EUT: Equipment Under Test  LISN Line impedance Stabilization Network  Test table height-0 8m  Refer to section 5.8 for details			~ ~ ~	50
line impedance stabilization network (L.I.S.N.), which provis 50ohm/50uH coupling impedance for the measuring equipment.  2. The peripheral devices are also connected to the main power th a LISN that provides a 50ohm/50uH coupling impedance with 5 termination. (Please refer to the block diagram of the test setu photographs).  3. Both sides of A.C. line are checked for maximum condinterference. In order to find the maximum emission, the repositions of equipment and all of the interface cables must be chaccording to ANSI C63.4: 2014 on conducted measurement.  Test setup:  Reference Plane  Remark  EUT Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0 8m  Refer to section 5.8 for details				
LISN 40cm 80cm Filter AC power Equipment E.U.T  Test table/Insulation plane  Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m  Test Instruments: Refer to section 5.8 for details	Test procedure	<ol> <li>line impedance stabilization network (L.I.S.N.), which provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>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).</li> <li>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</li> </ol>		
AUX Equipment E.U.T  Test table/Insulation plane  Remark E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m  Test Instruments:  Refer to section 5.8 for details	Test setup:	Reference Plane		
		LISN 40cm 80cm Filter AC power Equipment Test table/Insulation plane  Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network		
Test mode: Refer to section 5.3 for details	Test Instruments:	Refer to section 5.8 for details		
Total to obtain 0.5 for details	Test mode:	Refer to section 5.3 for details		
Test results: Passed	Test results:	Passed		



#### **Measurement Data:**

Product name:	3G Smart Phone	Product model:	Platinum D5
Test by:	Yaro	Test mode:	BLE Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Huni: 55%



Remark	: Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	——dBu∇	<u>dB</u>	<u>d</u> B	dBu₹	dBu₹	<u>dB</u>	
1	0.150	26.17	0.18	10.78	37.13	56.00	-18.87	Average
2	0.162	32.80	0.17	10.77	43.74	65.34	-21.60	QP
3	0.202	28.14	0.15	10.76	39.05	63.54	-24.49	QP
4	0.202	19.17	0.15	10.76	30.08	53.54	-23.46	Average
5	0.246	24.55	0.14	10.75	35.44		-26.47	
2 3 4 5 6 7	0.249	14.95	0.14	10.75	25.84	51.78	-25.94	Average
7	0.398	12.99	0.12	10.72	23.83			Average
8	0.437	22.86	0.12	10.74	33.72		-23.39	

10.95

10.94

10.92

10.91

44.83

34.38

40.61

25.74

56.00 -11.17 QP 46.00 -11.62 Average

60.00 -19.39 QP

50.00 -24.26 Average

#### Notes

9

10

11

12

1. An initial pre-scan was performed on the line and neutral lines with peak detector.

33.73

23.29

29.41

14.54

2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

0.15

0.15

0.28

0.29

3. Final Level =Receiver Read level + LISN Factor + Cable Loss.

2.297

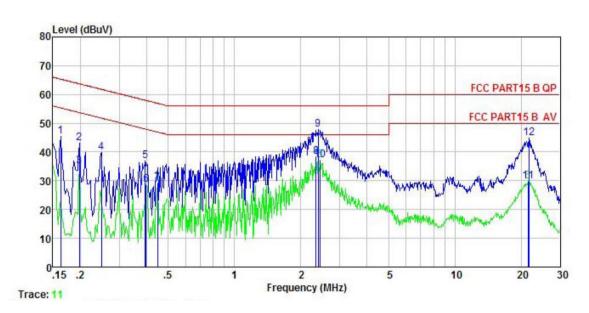
2.396

20.924

21.373



Product name:	3G Smart Phone	Product model:	Platinum D5
Test by:	Yaro	Test mode:	BLE Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Huni: 55%



Remark	· :					100000000000000000000000000000000000000	NEWS HOUSE	
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu₹	<u>dB</u>	dB	dBu₹	dBu∜	<u>dB</u>	
1	0.162	33.69	0.97	10.77	45.43	65.34	-19.91	QP
2	0.198	31.47	0.92	10.76	43.15	63.71	-20.56	QP
1 2 3 4 5 6 7 8 9	0.198	23.43	0.92	10.76	35.11	53.71	-18.60	Average
4	0.249	28.09	0.95	10.75	39.79	61.78	-21.99	QP
5	0.393	25.23	0.97	10.72	36.92	57.99	-21.07	QP
6	0.398	16.92	0.97	10.72	28.61	47.90	-19.29	Average
7	0.447	17.43	0.97	10.74	29.14	46.93	-17.79	Average
8	2.346	26.38	0.98	10.94	38.30	46.00		Average
9	2.396	36.02	0.99	10.94	47.95	56.00		
10	2.448	25.37	0.99	10.94	37.30	46.00	-8.70	Average
11	21.486	18.13	0.68	10.91	29.72			Average
12	21.715	33.29	0.68	10.91	44.88		-15.12	

### Notes:

- 1. An initial pre-scan was performed on the line 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**

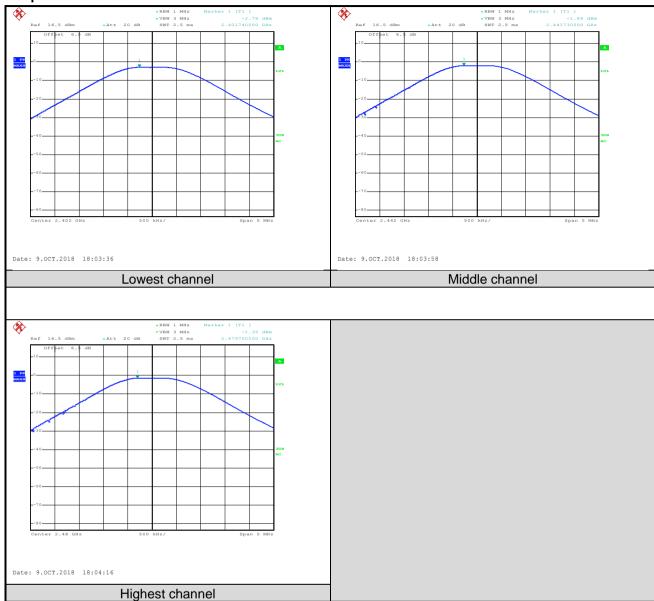
Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)			
Test Method:	ANSI C63.10:2013 and KDB 558074			
Limit:	30dBm			
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane			
Test Instruments:	Refer to section 5.8 for details			
Test mode:	Refer to section 5.3 for details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

### **Measurement Data:**

Test CH	Maximum Conducted Output Power (dBm)	Limit(dBm)	Result
Lowest	-2.78		
Middle	-1.89	30.00	Pass
Highest	-1.35		



### Test plot as follows:





# 6.4 Occupy Bandwidth

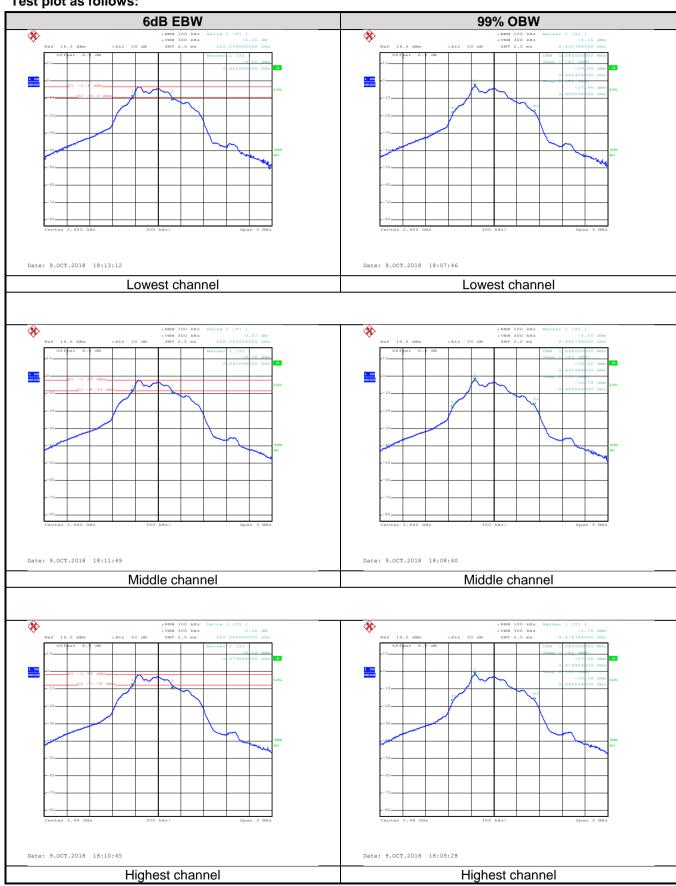
Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)			
Test Method:	ANSI C63.10:2013 and KDB 558074			
Limit:	>500kHz			
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane			
Test Instruments:	Refer to section 5.8 for details			
Test mode:	Refer to section 5.3 for details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

### **Measurement Data:**

Test CH	6dB Emission Bandwidth (MHz)	Limit(kHz)	Result	
Lowest	0.522			
Middle	0.528	>500	Pass	
Highest	0.522			
Test CH	99% Occupy Bandwidth (MHz)	Limit(kHz)	Result	
Lowest	1.080			
Middle	1.086	N/A	N/A	
Highest	1.080			



### 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			

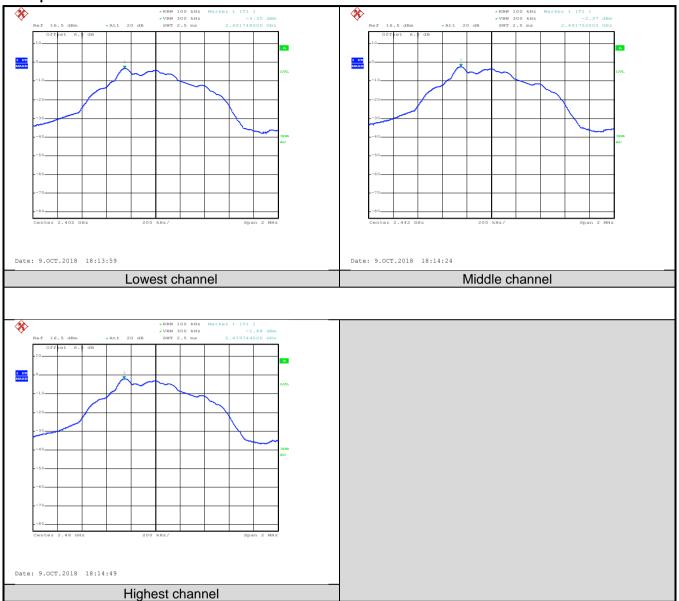
### **Measurement Data:**

Test CH	Power Spectral Density (dBm)	Limit(dBm)	Result
Lowest	-3.30		
Middle	-2.37	8.00	Pass
Highest	-1.88		





### Test plots as follow:





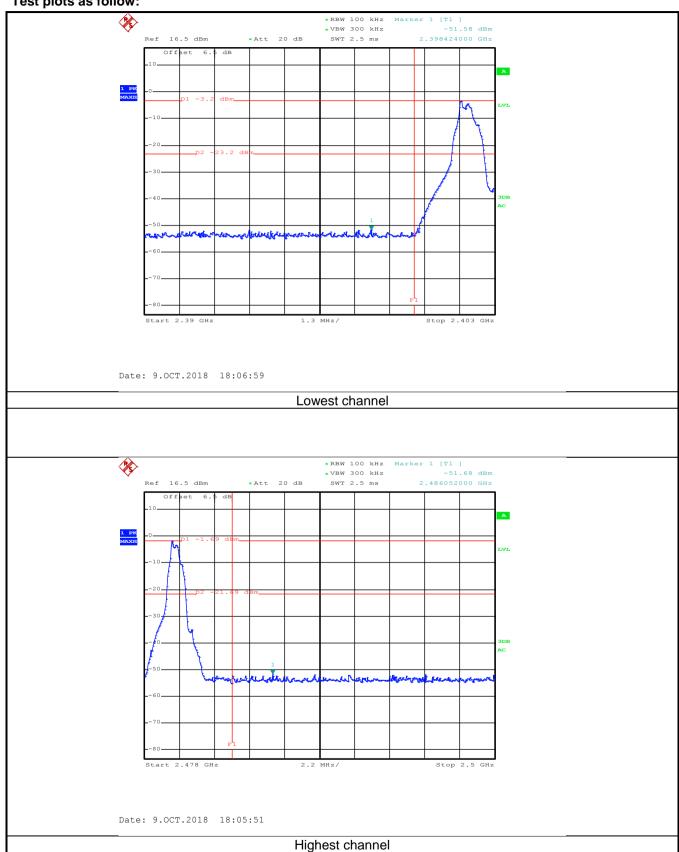
# 6.6 Band Edge

## 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:



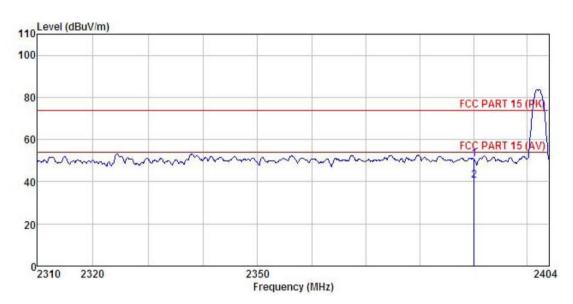


### 6.6.2 Radiated Emission Method

of the EUT would be reported. Otherwise the emissions that did not	6.6.2	5.2 Radiated Emission Method							
Test Prequency Range:    Test Distance:   3m		Test Requirement:	FCC Part 15 C Section 15.205 and 15.209						
Test Distance:   3m   Frequency   Detector   RBW   VBW   Remark   Above 1GHz   RMS   1MHz   3MHz   Peak Value   RMS   1MHz   3MHz   Average Value   RMS   1MHz   3MHz   Average Value   Above 1GHz   S4.00   Average Value   Above 1GHz   Test Procedure:   1. 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.   2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.   3. 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.   4. 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.   5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.   6. 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 sing peak, quasipeak or average method as specified and then reported in a data sheet.   Test setup:   Test Instruments:   Refer to section 5.8 for details   Refer to section 5.3 for de		Test Method:	ANSI C63.10: 2013 and KDB 558074						
Frequency		Test Frequency Range:	2.3GHz to 2.5GHz						
Above 1GHz		Test Distance:	3m						
Limit:  Frequency  Limit (BuV/m @3m)  Remark  Above 1GHz  Above 1GHz  Above 1GHz  Above 1GHz  Test Procedure:  1. 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.  2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.  3. 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.  4. 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.  5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.  6. 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 sheet.  Test setup:  Refer to section 5.8 for details  Refer to section 5.3 for details		Receiver setup:	Frequency						•
Limit:    Frequency			Above 1GHz						
Above 1GHz  Test Procedure:  1. 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.  2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.  3. 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.  4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was turned from 0 degrees to 360 degrees to find the maximum reading.  5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.  6. 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 sheet.  Test setup:  Test setup:  Refer to section 5.8 for details  Refer to section 5.3 for details		Limit	Frequer	' -	l in			MHZ	
Test Procedure:  1. 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.  2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.  3. 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.  4. 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.  5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.  6. 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 sheet.  Test setup:  Refer to section 5.8 for details  Refer to section 5.3 for details		LIIIIII.			LIII	•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	A۱	
the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.  2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.  3. 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.  4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was turned 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.  5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.  6. 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 sheet.  Test setup:  Test lnstruments:  Refer to section 5.8 for details  Refer to section 5.3 for details						74.00			Peak Value
Test Instruments:  Refer to section 5.8 for details  Test mode:  Refer to section 5.3 for details			<ol> <li>the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>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.</li> <li>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.</li> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>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, quasi-</li> </ol>						
Test mode: Refer to section 5.3 for details		Test setup:	150cm	urntable)		3m Reference Plane		Tower	
		Test Instruments:	Refer to section	on 5.8 for d	letail	S			
Test results: Passed		Test mode:	Refer to section 5.3 for details						
		Test results:	Passed						



Product Name:	3G Smart Phone	Product Model:	Platinum D5
Test By:	Yaro	Test mode:	BLE Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%

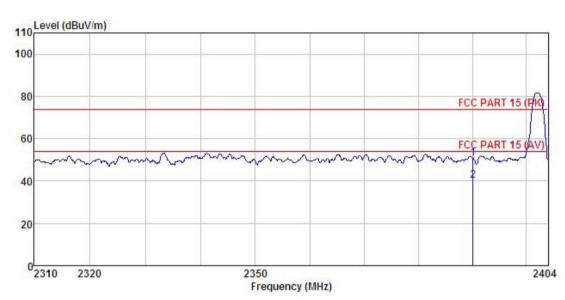


:	Read	Antenna	Cable	Aux	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dBu∜	$\overline{dB/m}$	<u>d</u> B	<u>dB</u>	<u>dB</u>	dBuV/m	dBuV/m	<u>dB</u>	
Ī	MHz	Freq Level MHz dBuV	Freq Level Factor  MHz dBuV dB/m	Freq Level Factor Loss  MHz dBuV dB/m dB 2390.000 18.66 27.37 4.69	Freq Level Factor Loss Factor  MHz dBuV dB/m dB dB 2390.000 18.66 27.37 4.69 0.00	Freq Level Factor Loss Factor Factor  MHz dBuV dB/m dB dB dB  2390.000 18.66 27.37 4.69 0.00 0.00	MHz dBuV dB/m dB dB dB dBuV/m	Freq Level Factor Loss Factor Factor Level Line  MHz dBuV dB/m dB dB dBuV/m dBuV/m 2390.000 18.66 27.37 4.69 0.00 0.00 50.72 74.00	Freq Level Factor Loss Factor Factor Level Line Limit  MHz dBuV dB/m dB dB dB dBuV/m dBuV/m dB  2390.000 18.66 27.37 4.69 0.00 0.00 50.72 74.00 -23.28

- 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.



Product Name:	3G Smart Phone	Product Model:	Platinum D5
Test By:	Yaro	Test mode:	BLE Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%

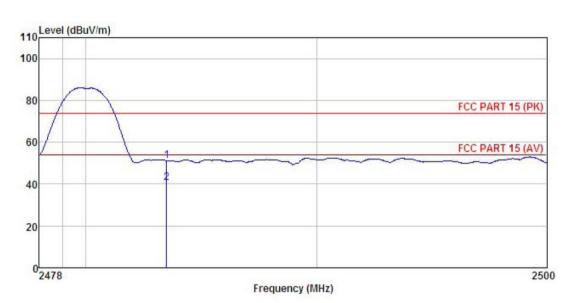


REMAR			Antenna Factor					Limit Line	Over Limit	Remark
,	MHz	—dBu∜	<u>dB</u> /m	<u>d</u> B	<u>dB</u>	<u>d</u> B	dBuV/m	dBuV/m	<u>dB</u>	
1 2	2390.000 2390.000	18.61 8.18	27.37 27.37	4.69 4.69	0.00 0.00				-23.33 -13.76	Peak Average

- 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.



Product Name:	3G Smart Phone	Product Model:	Platinum D5
Test By:	Yaro	Test mode:	BLE Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%

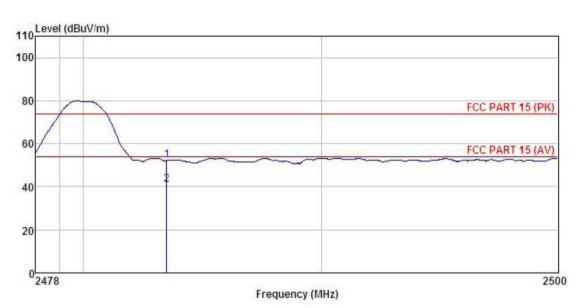


REMARK	:	Read	Antenna	Cable	Aux	Preamn		Limit	Over	
	Freq		Factor							Remark
-	MHz	dBu₹	<u>dB</u> /m	₫B	<u>dB</u>	dB	dBuV/m	dBuV/m	dB	
1	2483.500	18.72	27.57	4.81	0.00	0.00	51.10	74.00	-22.90	Peak
2	2483.500	8.31	27.57	4.81	0.00	0.00	40.69	54.00	-13.31	Average

- 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.



Product Name:	3G Smart Phone	Product Model:	Platinum D5
Test By:	Yaro	Test mode:	BLE Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



REMARK			Antenna Factor					Limit Line		
-	MHz	—dBu∇		<u>d</u> B	<u>dB</u>	<u>d</u> B	dBuV/m	dBuV/m	<u>dB</u>	
10.100	2483, 500 2483, 500		27.57 27.57	4.81 4.81	0.00 0.00		52.20 40.90			Peak Average

- 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

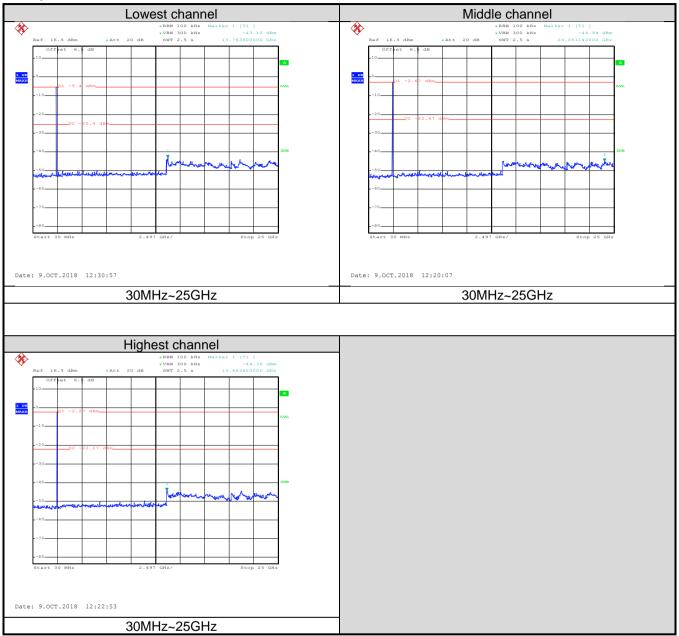
### 6.7.1 Conducted Emission Method

0.7.1 Conducted Linission	i Metriod				
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:	radiated measurement.  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 Method								
Test Requirement:	FCC Part 15 C	Section 1	5.20	5 and 15.209				
Test Method:	ANSI C63.10:20	)13						
Test Frequency Range:	9kHz to 25GHz							
Test Distance:	3m							
Receiver setup:	Frequency Detector RBW VBW Remark						Remark	
·	30MHz-1GHz	Quasi-p	eak	120KHz	3001	KHz	Quasi-peak Value	
	Above 1GHz	Peak		1MHz	3M		Peak Value	
		RMS	•	1MHz	3M	Hz	Average Value	
Limit:	Frequency		Lir	mit (dBuV/m @	3m)		Remark	
	30MHz-88M			40.0			luasi-peak Value	
	88MHz-216M 216MHz-960M			43.5 46.0			luasi-peak Value luasi-peak Value	
	960MHz-1G			54.0			luasi-peak Value	
				54.0			Average Value	
	Above 1GF	lz		74.0			Peak Value	
Test Procedure:	1GHz)/1.5r The table of highest rad 2. The EUT antenna, we tower. 3. The antenre the ground Both horizon make the new to find	m(above was rotateliation. was set which was na height to deter ontal and neasurem suspected hen the additional level sion level ecified, the would be margin was rotateliated.	1GH: ed 36 3 me is varmine vert ent. d em anten table reac yster with of th nen te e rep would	z) above the 60 degrees to eters away funted on the trained from or ethe maximulical polarizations, the Enna was tuned was turned ding.  In was set to Maximum Hore EUT in peresting could boorted. Otherwood be re-tested.	groun or deter rom th op of a ne met um valu ions of co Pea old Mo ak moc oe stopp wise th I one b	d at a mine of the intervariate of the as arraceights degreed are emissy one	table 0.8m(below 3 meter camber. the position of the rference-receiving ble-height antenna four 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 assions that did not using peak, quasi-reported in a data	
Test setup:	EUT	4m				Antenna Search Antenn Test reiver —		



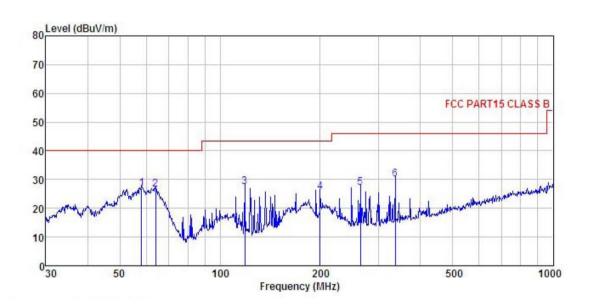
	Above 1GHz			
	AE EUT Horn Anlenna Antenna Tower  Ground Reference Plane  Test Receiver  Test Receiver			
Test Instruments:	Refer to section 5.8 for details			
Test mode:	Refer to section 5.3 for details			
Test results:	Passed			
Remark:	<ol> <li>Pre-scan all kind of the place mode (X-axis, Y-axis,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

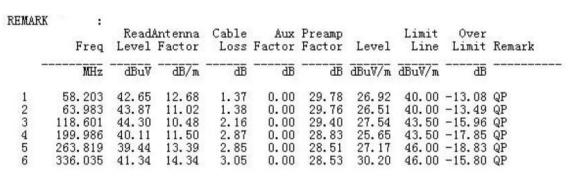


### Measurement Data (worst case):

### **Below 1GHz:**

Product Name:	3G Smart Phone	Product Model:	Platinum D5
Test By:	Yaro	Test mode:	BLE Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



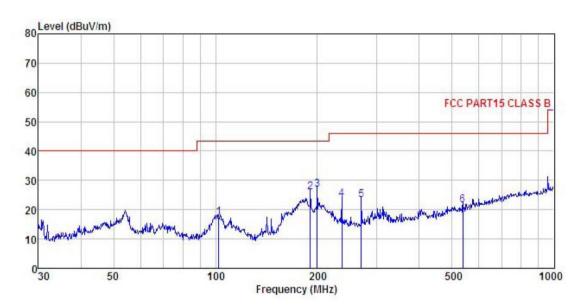


#### Remark

- 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.



Product Name:	3G Smart Phone	Product Model:	Platinum D5
Test By:	Yaro	Test mode:	BLE Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



REMARK	: Freq	ReadAntenna Level Factor				Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBu∜	dB/m	₫B	dB	<u>dB</u>	dBuV/m	dBu√/m	dB	
1	102.360	33.01	11.85	1.96	0.00	29.51	17.31	43.50	-26.19	QP
2	190.405	40.88	11.21	2.80	0.00	28.90	25.99	43.50	-17.51	QP
3	199.986	41.46	11.50	2.87	0.00	28.83	27.00	43.50	-16.50	QP
4	235.816	36.51	12.83	2.83	0.00	28.62	23.55	46.00	-22.45	QP
2 3 4 5 6	269.428	35.56	13.42	2.86	0.00	28.50	23.34	46.00	-22.66	QP
6	537.589	28.79	17.88	3.82	0.00	29.06	21.43	46.00	-24.57	QP

- 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 IGHZ											
				annel: Lowe							
			De	tector: Peak	Value		T				
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	46.79	35.99	6.80	41.81	47.77	74.00	-26.23	Vertical			
4804.00	46.52	35.99	6.80	41.81	47.50	74.00	-26.50	Horizontal			
Detector: Average 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	38.16	35.99	6.80	41.81	39.14	54.00	-14.86	Vertical			
4804.00	38.43	35.99	6.80	41.81	39.41	54.00	-14.59	Horizontal			
				annel: Mido							
				tector: Peak	Value		I				
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	46.85	36.38	6.86	41.84	48.25	74.00	-25.75	Vertical			
4884.00	47.42	36.38	6.86	41.84	48.82	74.00	-25.18	Horizontal			
			Dete	ctor: Averag	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	38.53	36.38	6.86	41.84	39.93	54.00	-14.07	Vertical			
4884.00	39.01	36.38	6.86	41.84	40.41	54.00	-13.59	Horizontal			
				annel: Highe							
				tector: Peak	Value		I				
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	47.21	36.71	6.91	41.87	48.96	74.00	-25.04	Vertical			
4960.00	46.98	36.71	6.91	41.87	48.73	74.00	-25.27	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	38.73	36.71	6.91	41.87	40.48	54.00	-13.52	Vertical			
4960.00	38.41	36.71	6.91	41.87	40.16	54.00	-13.84	Horizontal			
			· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·				

### 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.