

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Report No: CCISE200704802

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: 4G Smartphone

Model No.: Elite P5

Trade mark: SKY DEVICES

FCC ID: 2ABOSSKYELITEP5

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

Date of sample receipt: 14 Jul., 2020

Date of Test: 15 Jul., to 06 Aug., 2020

Date of report issued: 10 Aug., 2020

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.

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2 Version

Version No.	Date	Description
00	10 Aug., 2020	Original

Tootod by	Carrey Chen	Doto	10 Aug. 2020
Tested by:	$\overline{}$	Date:	10 Aug., 2020
	Test Engineer		

Reviewed by:

| Winner Thang | Date: 10 Aug., 2020

Project Engineer



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4 General Information

4.1 Client Information

Applicant:	SKY PHONE LLC
Address:	1348 Washington Av. Suite 350, Miami Beach, FL 33139
Manufacturer:	SKY PHONE LLC
Address:	1348 Washington Av. Suite 350, Miami Beach, FL 33139

4.2 General Description of E.U.T.

Product Name:	4G Smartphone
Model No.:	Elite P5
Operation Frequency:	2402-2480 MHz
Channel numbers:	40
Channel separation:	2 MHz
Modulation technology:	GFSK
Data speed :	1Mbps
Antenna Type:	Internal Antenna
Antenna gain:	1.75 dBi
Power supply:	Rechargeable Li-ion Battery DC3.8V, 2000mAh
AC adapter:	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.



Peport No: CCISE200704802

4.3 Test environment and mode, and test samples plans

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			

Radiated Emission: 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.

4.4 Description of Support Units

The EUT has been tested as an independent unit.

4.5 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±1.60 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±3.12 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.32 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.16 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±3.20 dB (k=2)

4.6 Laboratory Facility

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

FCC - Designation No.: CN1211

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

• ISED - CAB identifier.: CN0021

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.

• 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

4.7 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No.110~116, Building B, Jinyuan Business Building, 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.110~116, Building B, Jinyuan Business Building, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



4.8 Test Instruments list

Radiated Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
				07-21-2020	07-20-2021	
3m SAC	SAEMC	9m*6m*6m	966			
				07-21-2021	07-20-2023	
Loop Antenna	SCHWARZBECK	FMZB1519B	044	03-07-2020	03-06-2021	
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-07-2020	03-06-2021	
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-07-2020	03-06-2021	
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-20-2020	06-19-2021	
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-18-2019	11-17-2020	
EMI Test Software	AUDIX	E3	١	Version: 6.110919b		
Pre-amplifier	HP	8447D	2944A09358	03-07-2020	03-06-2021	
Pre-amplifier	CD	PAP-1G18	11804	03-07-2020	03-06-2021	
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-05-2020	03-04-2021	
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-18-2019	11-17-2020	
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-05-2020	03-04-2021	
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2020	03-06-2021	
Cable	MICRO-COAX	MFR64639	K10742-5 03-07-2020 03-		03-06-2021	
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2020	03-06-2021	
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	03-05-2020	03-04-2021
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-05-2020	03-04-2021
LISN	CHASE	MN2050D	1447	03-05-2020	03-04-2021
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	06-18-2020	07-17-2021
Cable	HP	10503A	N/A	03-05-2020	03-04-2021
EMI Test Software	AUDIX	E3	\	/ersion: 6.110919l	0

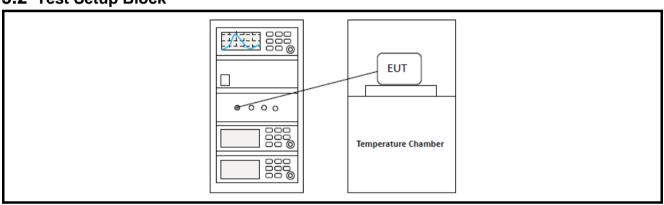


5 Test results and Measurement Data

5.1 Test Configuration of EUT

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

5.2 Test Setup Block



5.3 Test Result Summary

	Suit Suillillary					
	Test Items	Section in CFR 47	Test Data	Result		
Ar	ntenna requirement	15.203 & 15.247 (b)	See Section 5.4	Pass		
AC Powe	r Line Conducted Emission	15.207	See Section 5.5	Pass		
Conduc	cted Peak Output Power	15.247 (b)(3)	Appendix – BLE	Pass		
	Emission Bandwidth Occupied Bandwidth	15.247 (a)(2) Appendix – BLE		Pass		
Pov	wer Spectral Density	15.247 (e)	Appendix – BLE	Pass		
Danid Edma	Conducted Emission Method	15.247 (d)	Appendix – BLE	Dana		
Band Edge	Radiated Emission Method		See Section 5.6.1	Pass		
Spurious	Conducted Emission Method	45 205 8 45 200	Appendix – BLE	Desc		
Emission	Radiated Emission Method	15.205 & 15.209	See Section 5.7.1			
Remark:		The EUT complies with the essential requirements in the standard. able insertion loss used by "RF Output Power" and other conduction measurement items is (provided by the customer).				
Test Method:	1. ANSI C63.10-2013 2. KDB 558074 D01 15.247 Mea					



5.4 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 1.75 dBi.





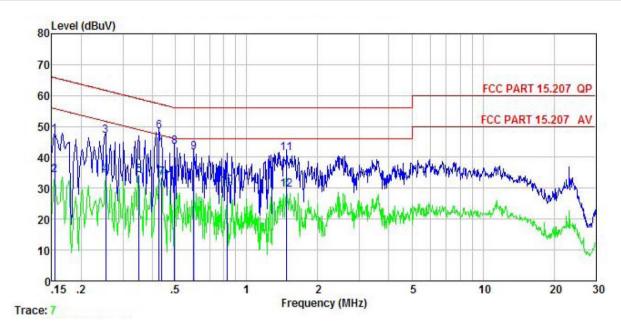
5.5 Conducted Emission

-	500 D 5 0 0				
Test Requirement:		FCC Part 15 C Section 15.207			
Test Frequency Range:	150 kHz to 30 MHz				
Class / Severity:	Class B				
Receiver setup:	RBW=9kHz, VBW=30kHz				
Limit:	Fraguency ronge (MHz)	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 logarithm				
Test procedure:	The E.U.T and simulators line impedance stabilization 500hm/50uH coupling important and the peripheral devices as 500lm. LISN that provides a 500lm.	on network (L.I.S.N.), wh pedance for the measuriing also connected to the in	ich provides a ng equipment. 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). 3. 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 C63.10(latest version) on conducted measurement. 				
Test setup:	Reference	Plane			
	AUX Equipment E.U.T	80cm LISN Filter Filter Receiver	– AC power		
	Remark E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Net Test table height=0.8m	twork			
Test Instruments:	Refer to section 5.9 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				



Measurement Data:

Product name:	4G Smartphone	Product model:	Elite P5
Test by:	Carey	Test mode:	BLE Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



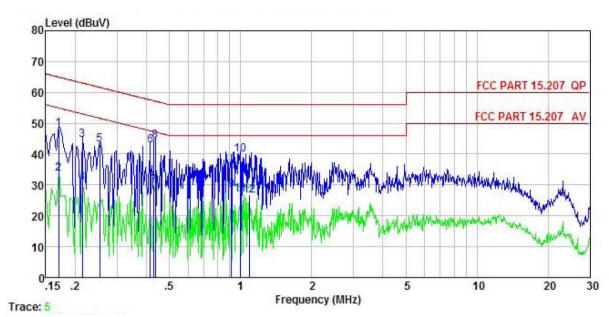
	Freq	Read Level	LISN Factor	Cable Loss	Aux Factor	Level	Limit Line		Remark
	MHz	dBu₹	₫B		<u>d</u> B	dBu₹	—dBu∀	<u>d</u> B	
1	0.154	37.18	-0.57	10.78	-0.06	47.33	65.78	-18.45	QP
2	0.154	24.02	-0.57	10.78	-0.06	34.17	55.78	-21.61	Average
3	0.253	36.98	-0.57	10.75	-0.22	46.94	61.64	-14.70	QP
1 2 3 4 5 6 7 8 9	0.253	24.27	-0.57	10.75	-0.22	34.23	51.64	-17.41	Average
5	0.350	23.88	-0.51	10.73	0.10	34.20			Average
6	0.426	37.96	-0.47	10.73	0.19	48.41	57.33	-8.92	QP
7	0.437	23.10	-0.46	10.74	0.11	33.49	47.11	-13.62	Average
8	0.497	33.46	-0.43	10.76	-0.32	43.47	56.05	-12.58	QP
9	0.598	31.85	-0.48	10.77	-0.38	41.76	56.00	-14.24	QP
10	0.826	20.59	-0.57	10.82	-0.01	30.83	46.00	-15.17	Average
11	1.480	31.05	-0.56	10.92	0.02	41.43	56.00	-14.57	QP
12	1.480	19.06	-0.56	10.92	0.02	29.44	46.00	-16.56	Average

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



Product name:	4G Smartphone	Product model:	Elite P5
Test by:	Carey	Test mode:	BLE Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



	Freq	Read Level	LISN Factor	Cable Loss	Aux Factor	Level	Limit Line	Over Limit	Remark
-	MHz	dBu∇	<u>d</u> B		<u>ā</u> B	—dBu∜	—dBu∀	<u>d</u> B	
1	0.170	37.90	-0.68	10.77	0.01	48.00	64.94	-16.94	QP
2	0.170	23.58	-0.68	10.77	0.01	33.68	54.94	-21.26	Average
3	0.214	34.43	-0.67	10.76	0.00	44.52	63.05	-18.53	QP
2 3 4 5 6	0.214	20.60	-0.67	10.76	0.00	30.69	53.05	-22.36	Average
5	0.253	33.11	-0.67	10.75	0.01	43.20	61.64	-18.44	QP
6	0.415	32.66	-0.63	10.73	-0.05	42.71	57.55	-14.84	QP
7	0.431	19.68	-0.64	10.73	-0.03	29.74	47.24	-17.50	Average
8	0.435	34.19	-0.64	10.73	-0.03	44.25	57.15	-12.90	QP
9	0.914	18.06	-0.67	10.84	0.07	28.30	46.00	-17.70	Average
10	1.000	29.72	-0.68	10.87	0.08	39.99	56.00	-16.01	QP
11	1.000	16.47	-0.68	10.87	0.08	26.74	46.00	-19.26	Average
12	1.088	16.38	-0.68	10.88	0.09	26.67	46.00	-19.33	Average

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 + Aux Factor + Cable Loss.



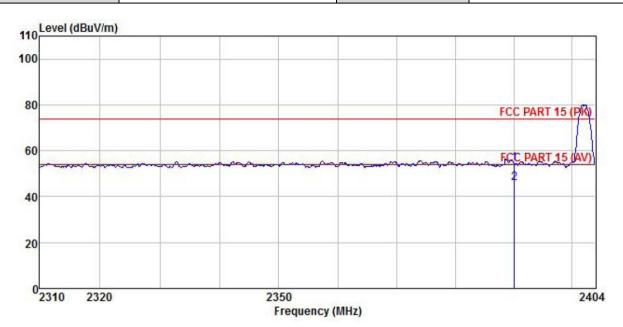
5.6 Band Edge

5.6.1 Radiated Emission Method

5.6.1 Radiated Emission I	vietnoa								
Test Requirement:	FCC Part 15 C	FCC Part 15 C Section 15.205 and 15.209							
Test Frequency Range:	2310 MHz to 2	2390 MHz and	2483.5MHz to 2	2500 MHz					
Test Distance:	3m								
Receiver setup:	Frequency	Detector	RBW	VBW	Remark				
	Above 1GHz	Peak	1MHz	3MHz	Peak Value				
I tuate.	Frequer	RMS	1MHz mit (dBuV/m @3	3MHz	Average Value Remark				
Limit:	•	·	54.00	,	Average Value				
	Above 10	GHz —	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 sheet. 								
Test setup:	AE Wags	Test Receiver	Horn Antenna Amplifer Cont	Antenna Tower					
Test Instruments:	Refer to section	on 5.9 for deta	ils						
Test mode:	Refer to section	on 5.3 for deta	ils						
Test results:	Passed								



Product Name:	4G Smartphone	Product Model:	Elite P5
Test By:	Carey	Test mode:	BLE Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%

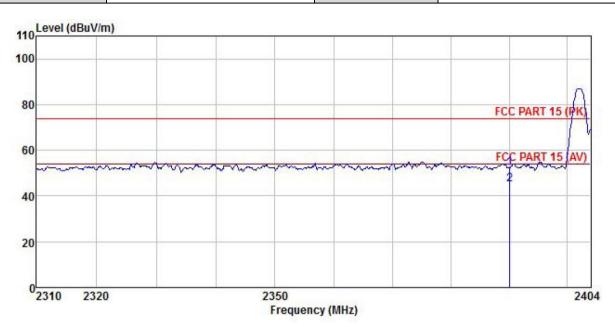


	Freq		Antenna Factor							
	MHz	dBu∜	dB/m	dB	<u>d</u> B	dB	$\overline{dBuV/m}$	dBuV/m	dB	
1 2	2390.000 2390.000									

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Product Name:	4G Smartphone	Product Model:	Elite P5
Test By:	Carey	Test mode:	BLE Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%

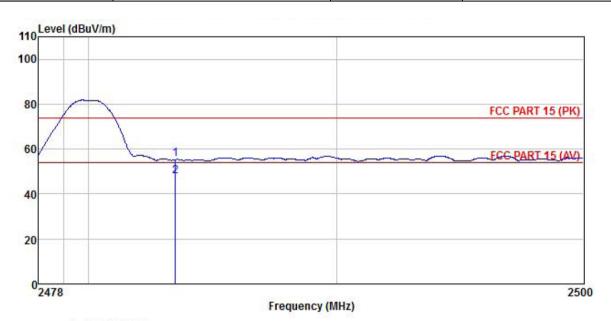


	Freq		Antenna Factor					Limit Line		
	MHz	dBu₹	<u>dB</u> /m	−−−−dB	<u>dB</u>	<u>d</u> B	dBuV/m	dBuV/m	<u>dB</u>	
1 2	2390.000 2390.000									

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Product Name:	4G Smartphone	Product Model:	Elite P5
Test By:	Carey	Test mode:	BLE Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%

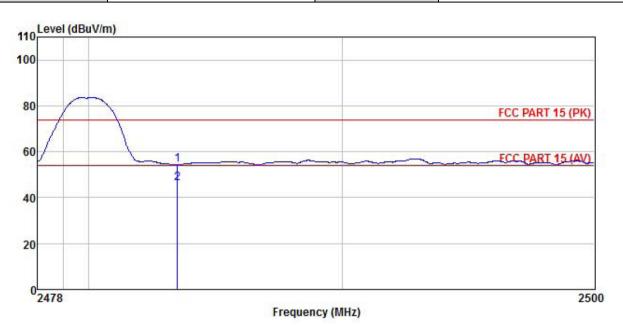


	Freq		Antenna Factor							
	MHz	dBu₹	<u>dB</u> /m	<u>d</u> B	<u>dB</u>	<u>dB</u>	$\overline{dBuV/m}$	$\overline{dBuV/m}$	<u>dB</u>	
1 2	2483,500 2483,500	22.07 14.36	27.27 27.27	4.38 4.38	1.70 1.70	0.00 0.00	55.42 47.71	74.00 54.00	-18.58 -6.29	Peak Average

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.



Product Name:	4G Smartphone	Product Model:	Elite P5
Test By:	Carey	Test mode:	BLE Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



	Freq		Antenna Factor						
	MHz	—dBu∜	— <u>dB</u> /m	 <u>dB</u>	<u>dB</u>	$\overline{dBuV/m}$	dBuV/m	<u>dB</u>	
1 2	2483.500 2483.500								

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

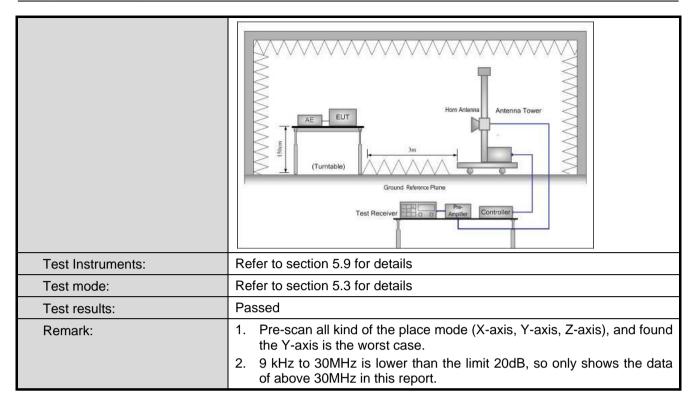


5.7 Spurious Emission

5.7.1 Radiated Emission Method

5.7.1 Radiated Emission Method									
Test Requirement:	FCC Part 15 C Section 15.205 and 15.209								
Test Frequency Range:	9kHz to 25GHz								
Test Distance:	3m								
Receiver setup:	Frequency	Detector	RBW	VE	3W	Remark			
·	30MHz-1GHz	Quasi-peak	120KHz	300	KHz Quasi-peak Value				
	Above 1GHz	Peak	1MHz	3M	Hz	Peak Value			
	Above TOTIZ	RMS	1MHz	3M	Hz Average Value				
Limit:	Frequency	/ L	imit (dBuV/m @	3m)		Remark			
	30MHz-88M		40.0		Quasi-peak Value				
	88MHz-216N		43.5			Quasi-peak Value			
	216MHz-960		46.0			Quasi-peak Value			
	960MHz-1G	Hz	54.0			Quasi-peak Value			
	Above 1GF	lz —	54.0 74.0			Average Value Peak Value			
Test Procedure:	1GHz)/1.5r The table of highest rad 2. The EUT antenna, we tower. 3. The antenna Both horizon make the make the make the make the meters and to find the interest of the limit spoof the EUT have 10 dE	m(above 1GI was rotated liation. was set 3 rehich was more than height is to determine ontal and veneasurement suspected end the rota tab maximum reasurement sich eceiver systema and width with sion level of ecified, then would be reasured margin would since the rotate of the rotat	Hz) above the 360 degrees to meters away funted on the function of the maximum trical polarization, the Eleman was tuned ading. The EUT in petesting could be ported. Other all of the could be re-tested.	e groun to deter from the top of a ne met um val tions of EUT wa ed to he from 0 to Pea lold Mo eak mod obe stop wise the d one b	and at a rmine me inter to fue of the a arra eights degree de. Details ped an e eminy one	table 0.8m(below a 3 meter camber. the position of the erference-receiving ble-height antenna four meters above the field strength. antenna are set to anged to its worst from 1 meter to 4 ees to 360 degrees tect Function and as 10 dB lower than and the peak values ssions that did not using peak, quasi-reported in a data			
Test setup:	Below 1GHz	4m 4m 0.8m 1m			Antenna Search Antenn Test zeiver	1			



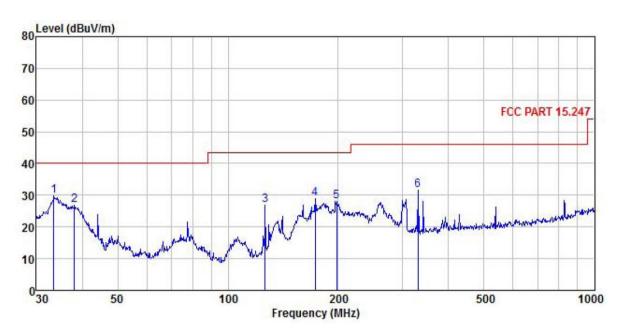




Measurement Data (worst case):

Below 1GHz:

Product Name:	4G Smartphone	Product Model:	Elite P5
Test By:	Carey	Test mode:	BLE Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



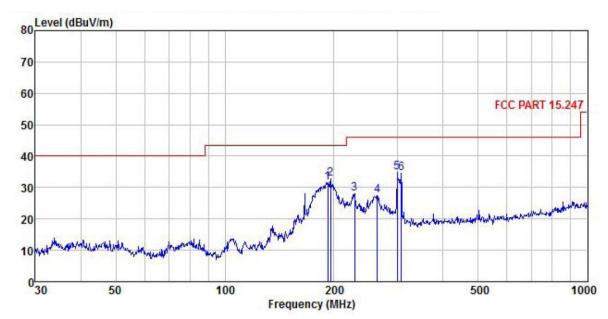
	Freq		Antenna Factor			Preamp Factor		Limit Line	Over Limit	Remark
	MHz	₫₿uѶ			<u>ab</u>	<u>dB</u>	$\overline{dBuV/m}$	dBuV/m	<u>dB</u>	
1	33.445	46.93	12.36	0.36	0.00	29.96	29.69	40.00	-10.31	QP
1 2 3	38.078	43.59	12.73	0.35	0.00	29.92	26.75	40.00	-13.25	QP
3	126.329	44.22	11.51	0.58	0.00	29.35	26.96	43.50	-16.54	QP
4	173.205	40.62	16.69	0.66	0.00	29.02	28.95	43.50	-14.55	QP
5	197.893	38.06	18.09	0.72	0.00	28.84	28.03	43.50	-15.47	QP
5 6	330.195	40.47	18.76	0.90	0.00	28.52	31.61	46.00	-14.39	QP

Remark

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.
- 3. The Aux Factor is a notch filter switch box loss, this item is not used.



Product Name:	4G Smartphone	Product Model:	Elite P5
Test By:	Carey	Test mode:	BLE Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



	Freq		Antenna Factor					Limit Line		Remark
_	MHz	dBu∇	<u>d</u> B/m	<u>d</u> B	<u>a</u> B		dBuV/m			
1	192,419	42.26	17.60	0.71	0.00	28.88	31.69	43.50	-11.81	QP
2	195.822	43.02	17.87	0.71	0.00	28.86	32.74	43.50	-10.76	QP
3	227.691	37.52	18.42	0.75	0.00	28.66	28.03	46.00	-17.97	QP
4	262.896	36.62	18.55	0.81	0.00	28.52	27.46	46.00	-18.54	QP
5	298.268	43.70	18.69	0.86	0.00	28.45	34.80	46.00	-11.20	QP
6	306.754	43.34	18.71	0.87	0.00				-11.55	

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.
- 3. The Aux Factor is a notch filter switch box loss, this item is not used.



Above 1GHz

	Test channel: Lowest channel										
Detector: Peak Value											
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4804.00	48.30	30.78	6.80	2.44	41.81	46.51	74.00	-27.49	Vertical		
4804.00	48.39	30.78	6.80	2.44	41.81	46.60	74.00	-27.40	Horizontal		
				Detector:	Average Va	alue					
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4804.00	40.35	30.78	6.80	2.44	41.81	38.56	54.00	-15.44	Vertical		
									Horizontal		

	Test channel: Middle channel											
	Detector: Peak Value											
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
4884.00	48.18	30.96	6.86	2.47	41.84	46.63	74.00	-27.37	Vertical			
4884.00	48.38	30.96	6.86	2.47	41.84	46.83	74.00	-27.17	Horizontal			
				Detector:	: Average Va	alue						
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
4884.00	40.83	30.96	6.86	2.47	41.84	39.28	54.00	-14.72	Vertical			
4884.00	39.96	30.96	6.86	2.47	41.84	38.41	54.00	-15.59	Horizontal			
	l	<u> </u>	L	L		<u> </u>		l				

	Test channel: Highest channel											
Detector: Peak Value												
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
4960.00	48.59	31.11	6.91	2.49	41.87	47.23	74.00	-26.77	Vertical			
4960.00	48.53	31.11	6.91	2.49	41.87	47.17	74.00	-26.83	Horizontal			
				Detector:	Average Va	alue						
Frequency (MHz) Read Antenna Cable Aux Preamp Level Factor Loss Factor Factor (dBuV) (dB/m) (dB) (dB) (dB)						Limit Line (dBuV/m)	Over Limit (dB)	Polarization				
4960.00	40.62	31.11	6.91	2.49	41.87	39.26	54.00	-14.74	Vertical			
4960.00	40.14	31.11	6.91	2.49	41.87	38.78	54.00	-15.22	Horizontal			

Remark:

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

^{2.} The emission levels of other frequencies are lower than the limit 20dB and not show in test report.