

Report No: CCISE181201104

FCC REPORT

Applicant:	SKY PHONE LLC		
Address of Applicant:	1348 Washington Av. Suite 350, Miami Beach, FL33139		
Equipment Under Test (E	EUT)		
Product Name:	4G Smart Phone		
Model No.:	Elite T4		
Trade mark:	SKY DEVICES		
FCC ID:	2ABOSSKYELITET4		
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247		
Date of sample receipt:	04 Dec., 2018		
Date of Test:	04 Dec., to 25 Dec., 2018		
Date of report issued:	26 Dec., 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	26 Dec., 2018	Original

Tested by:

Date:

26 Dec., 2018

Test Engineer

Reviewed by:

Date:

26 Dec., 2018

Project Engineer



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4 Test Summary

Test Items	Section in CFR 47	Result		
Antenna requirement	15.203 & 15.247 (b)	Pass		
AC Power Line Conducted Emission	15.207	Pass		
Conducted Peak Output Power	15.247 (b)(3)	Pass		
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Pass		
Power Spectral Density	15.247 (e)	Pass		
Band Edge	15.247 (d)	Pass		
Spurious Emission	15.205 & 15.209	Pass		
Pass: The EUT complies with the essential requirements in the standard. N/A: Not Applicable.				



General Information 5

5.1 Client Information

Applicant:	SKY PHONE LLC
Address:	1348 Washington Av. Suite 350, Miami Beach, FL33139
Manufacturer	Shenzhen Tianruixiang Communication Equipment Co., Ltd
Address:	12F, Zhongshan University Science Building Xuefu Road, Hi-tech Park, Shenzhen, China

5.2 General Description of E.U.T.

Product Name:	4G Smart Phone
Model No.:	Elite T4
Operation Frequency:	2402-2480 MHz
Channel numbers:	40
Channel separation:	2 MHz
Modulation technology:	GFSK
Data speed :	1Mbps
Antenna Type:	Internal Antenna
Antenna gain:	-1.1 dBi
Power supply:	Rechargeable Li-ion Battery DC3.7V-1400mAh
AC adapter:	Model: Elite T4 Input: AC100-240V, 50/60Hz, 0.15A Output: DC 5.0V, 0.5A
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

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

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: <u>https://portal.a2la.org/scopepdf/4346-01.pdf</u>

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



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	11-21-2018	11-20-2019	
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	11-21-2018	11-20-2019	
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	
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	Version: 6.110919b		



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 responsible party shall be us antenna that uses a unique so that a broken antenna ca electrical connector is prohit 15.247(b) (4) requirement: (4) The conducted output po antennas with directional ga section, if transmitting anten power from the intentional radi	be designed to ensure that no antenna other than that furnished by the sed with the device. The use of a permanently attached antenna or of an coupling to the intentional radiator, the manufacturer may design the unit n be replaced by the user, but the use of a standard antenna jack or bited. wer limit specified in paragraph (b) of this section is based on the use of ins that do not exceed 6 dBi. Except as shown in paragraph (c) of this nas of directional gain greater than 6 dBi are used, the conducted output adiator shall be reduced below the stated values in paragraphs (b)(1), ion, as appropriate, by the amount in dB that the directional gain of the
E.U.T Antenna:	
	al antenna which cannot replace by end-user, the best-case gain of the
	THE BET BEEGEPS-EANT



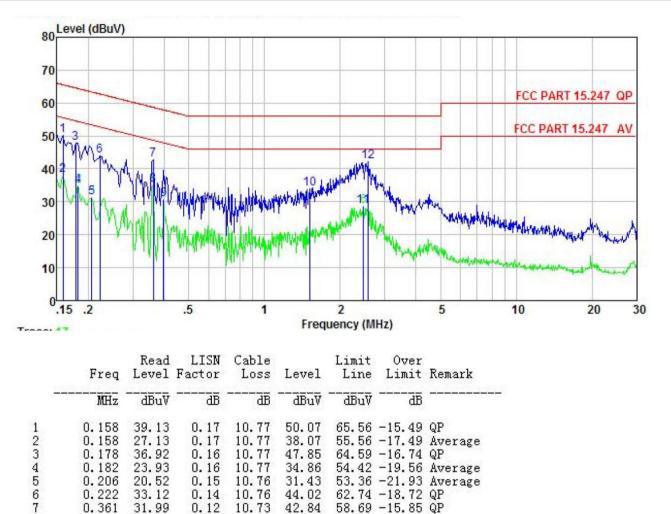
6.2 Conducted Emission

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		
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		
	LISN 40cm 80cm Filter AC power AUX E.U.T Filter AC power Equipment E.U.T EMI Receiver Remarkc E.U.T: Equipment Under Test EMI		
	LISN: Line Impedence Stabilizatio. Test table height=0.8m	n Network	
Test Instruments:	Refer to section 5.8 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Passed		



Measurement Data:

Product name:	4G Smart Phone	Product model:	Elite T4
Test by:	YT	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%



Notes:

8

9

10

11

12

0.222

0.361

0.361

0.398

1.511

2.474

2.581

33.12

31.99

24.35

19.94

22.80

17.55

30.99

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

10.76

10.73

10.73

10.72

10.92

10.94

10.93

0.14

0.12

0.12

0.12

0.14

0.15

0.15

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

44.02

42.84

35.20

30.78

33.86

28.64

42.07

62.74 -18.72 QP

58.69 -15.85 QP

56.00 -22.14 QP

56.00 -13.93 QP

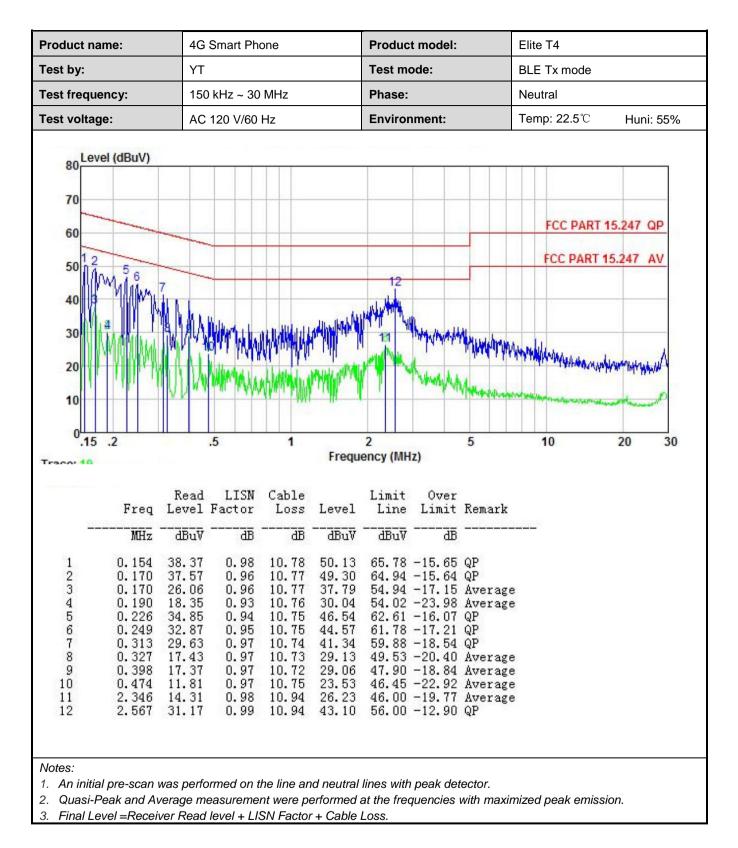
48.69 -13.49 Average

47.90 -17.12 Average

46.00 -17.36 Average

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







6.3 Conducted Output Power

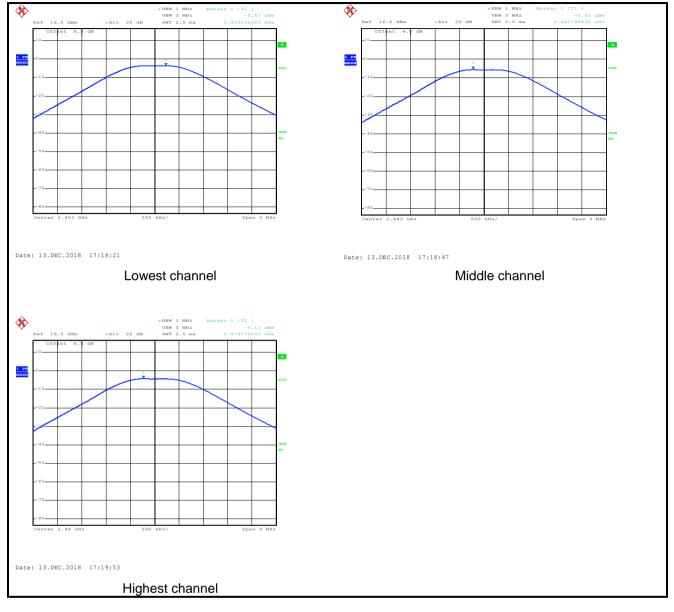
Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)	
Test Method:	ANSI C63.10:2013 and KDB 558074	
Limit:	30dBm	
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane	
Test Instruments:	Refer to section 5.8 for details	
Test mode:	Refer to section 5.3 for details	
Test results: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

Measurement Data:

Test CH	Maximum Conducted Output Power (dBm)	Limit(dBm)	Result
Lowest	-3.57		
Middle	-5.51	30.00	Pass
Highest	-4.10		



Test plot as follows:





6.4 Occupy Bandwidth

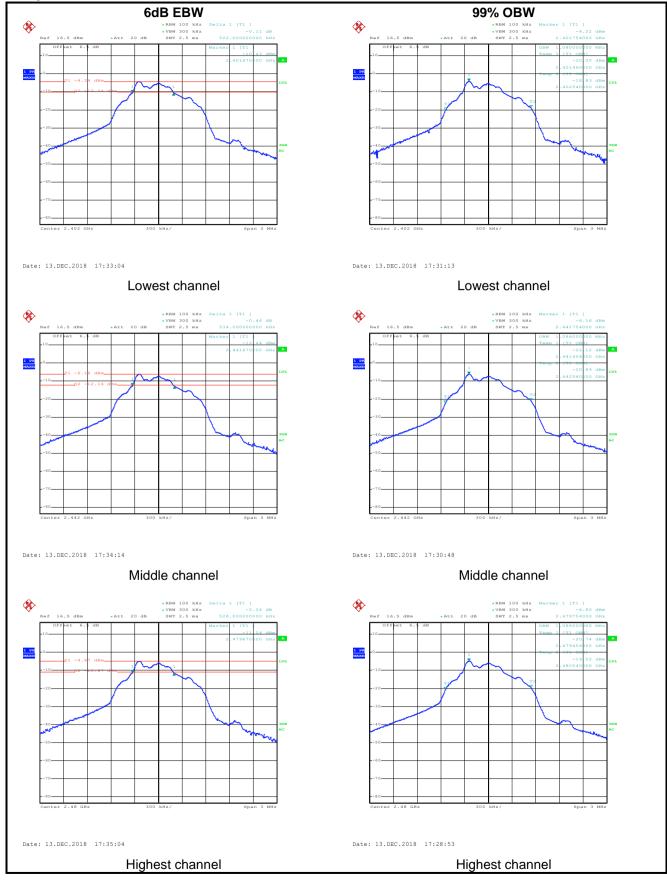
Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)	
Test Method:	ANSI C63.10:2013 and KDB 558074	
Limit:	>500kHz	
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane	
Test Instruments:	Refer to section 5.8 for details	
Test mode:	Refer to section 5.3 for details	
Test results: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

Measurement Data:

Test CH	6dB Emission Bandwidth (MHz)	Limit(kHz)	Result
Lowest	0.522		
Middle	0.534	>500	Pass
Highest	0.528		
Test CH	99% Occupy Bandwidth (MHz)	Limit(kHz)	Result
Lowest	1.080		
Middle	1.086	N/A	N/A
Highest	1.086		



Test plot as follows:



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





6.5 Power Spectral Density

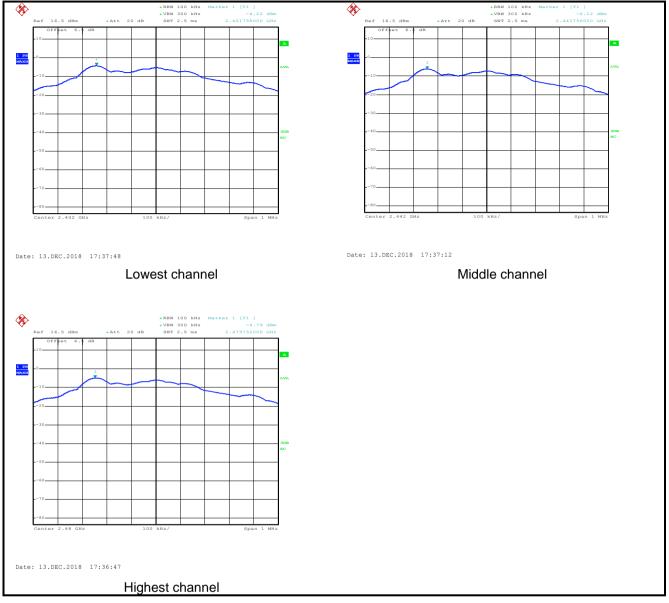
Test Requirement:	FCC Part 15 C Section 15.247 (e)	
Test Method:	ANSI C63.10:2013 and KDB 558074	
Limit:	8 dBm	
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane	
Test Instruments:	Refer to section 5.8 for details	
Test mode:	Refer to section 5.3 for details	
Test results: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

Measurement Data:

Test CH	Power Spectral Density (dBm)	Limit(dBm)	Result
Lowest	-4.22		
Middle	-6.12	8.00	Pass
Highest	-4.79		



Test plots as follow:





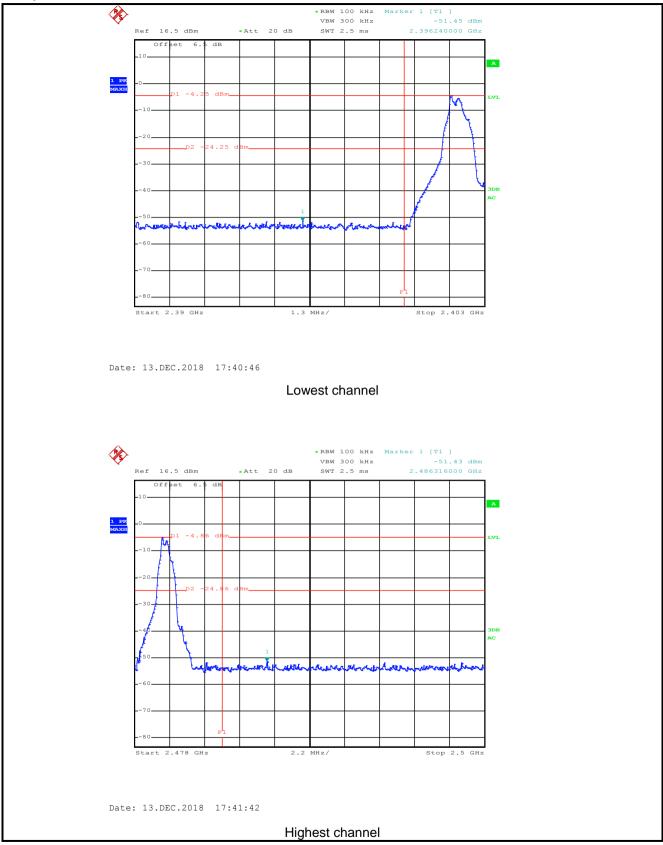
6.6 Band Edge

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 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 plots as follow:

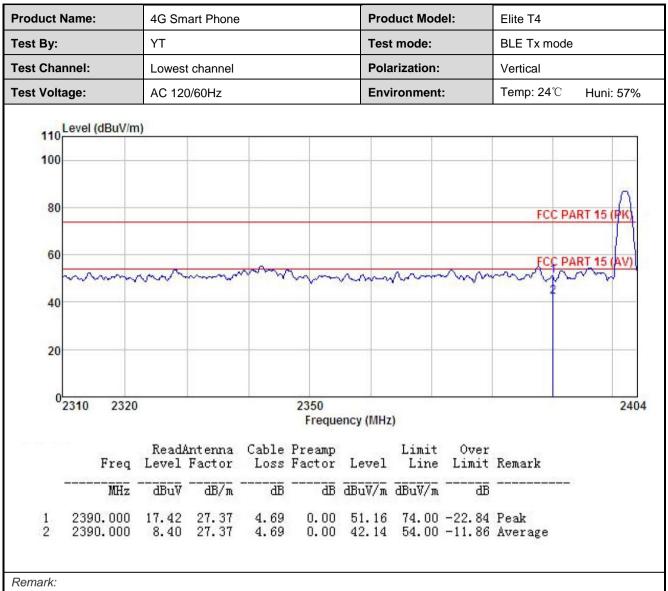




6.6.2 Radiated Emission Method

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		RBW		/BW	Remark
	Above 1GHz	Peak		1MHz		MHz	Peak Value
		RMS	Line	1MHz		MHz	Average Value
Limit:	Frequer	icy	LIM	it (dBuV/m @3 54.00	sm)	Δι	Remark /erage 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, quasi- peak or average method as specified and then reported in a data sheet. 						
Test setup:	AE EUT Horn Arteenna Tower Horn Arteenna Tower Ground Reference Plane Test Receiver						
Test Instruments:	Refer to section 5.8 for details						
Test mode:	Refer to section 5.3 for details						
Test results:	Passed						

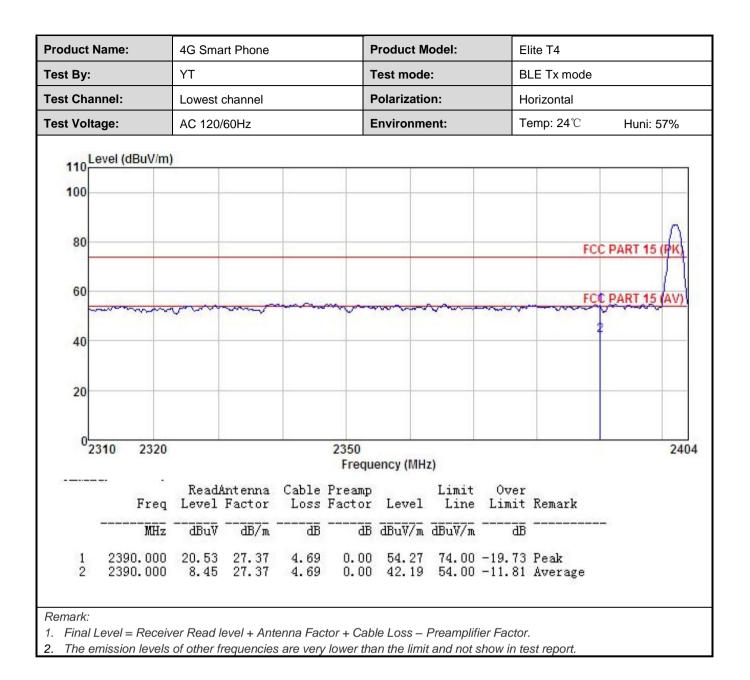




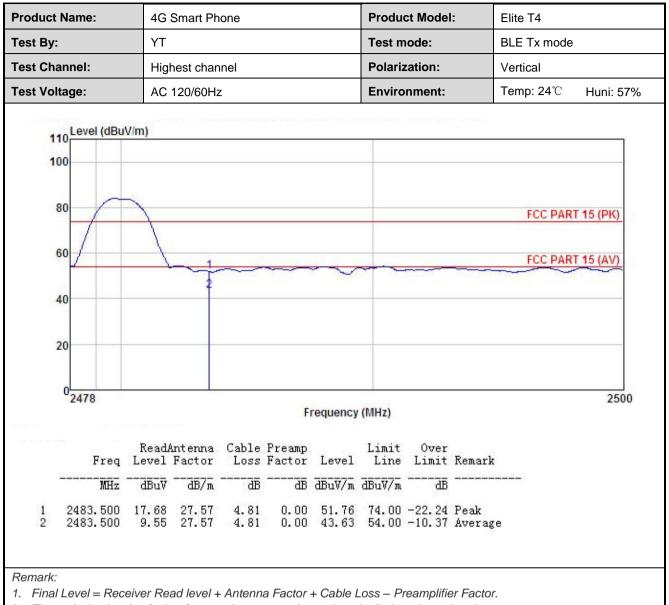
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

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





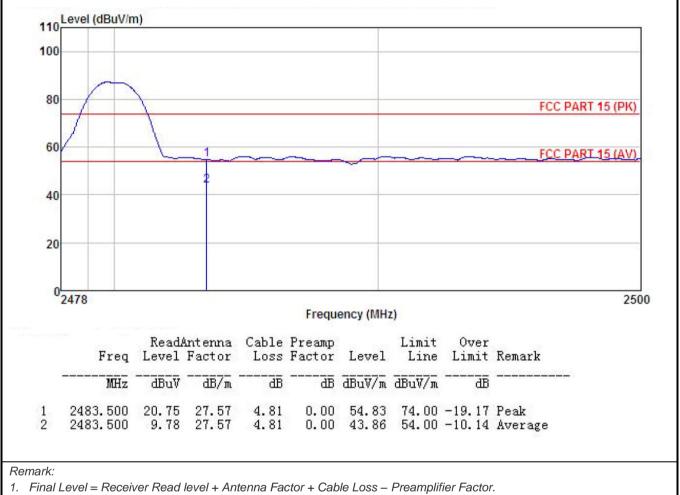




2. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product Name:	4G Smart Phone	Product Model:	Elite T4
Test By:	YT	Test mode:	BLE Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



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



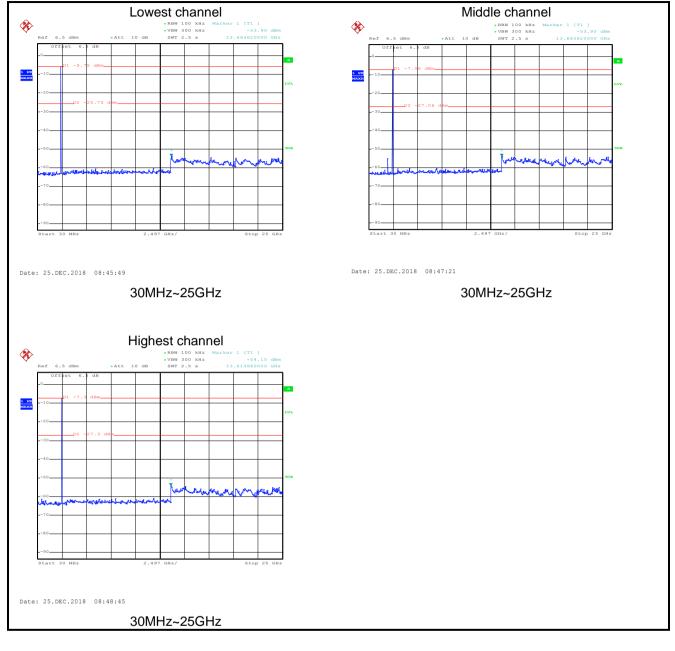
6.7 Spurious Emission

6.7.1 Conducted Emission Method

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

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 VBW					W	Remark		
	30MHz-1GHz	Quasi-pea		120KHz	300KHz		Quasi-peak Value		
		Peak		1MHz	ЗM	Hz	· · ·		
	Above 1GHz	RMS			3M	Hz	Average Value		
Limit:	Frequency		Limit (dBuV/m @3m)				Remark		
	30MHz-88M		40.0				Quasi-peak Value		
	88MHz-216M			43.5			uasi-peak Value		
	216MHz-960			46.0			Quasi-peak Value		
	960MHz-1G			<u>54.0</u> 54.0			uasi-peak Value Average Value		
	Above 1GF	lz		74.0			Peak Value		
	 The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) 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:		3m < 4m 0.8m 1m	- =			Antenna Search Antenna Seiver –			

Project No.: CCISE1812011



	Horn Antenna Tower Horn Antenna Tower Ground Reference Plane 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):

Product Name:	Name: 4G Smart Phone					Prod	uct Mode	el:	Elite T4		
Test By:YTTest Frequency:30 MHz ~ 1 GHz				Test mode:				BLE Tx mode			
			GHz			Pola	rization:		Vertical		
Fest Voltage:	AC	120/60	lz			Envi	ronment:		Temp: 24°C Huni: 57		
Level (dBu	(V/m)				······				2.		
80 Level (ubi	ivan)										
70											_
60									50	C PART 15	247
50									ru	C PART 13	
40											
30							4	5		6	and when the
20		1	2 Anda	And	3		-	under hat her	hand have been	hand the second second	
10 hoursen	Hole with a	mound	×	N.	what whe	a like portable and	eliter in a light	han televine			_
030	50			100		200			500		1000
					Frequer	ncy (MHz)				
F	Re req Lev	eadAnte vel Fac	nna tor	Cable Loss	Preamp Factor	Level	Limit Line		: Remark		

29.75

29.58

29.07

28.52

28.74

28.29

19.40

20.05

19.92

23.71

24.63

26.74

40.00 -20.60 QP

40.00 -19.95 QP

43.50 -23.58 QP

46.00 -22.29 QP

46.00 -21.37 QP 46.00 -19.26 QP

Remark:

1 23

4

56

66.499

87.418

167.237

260.144

390.723 782.345

37.54

38.14

37.03

36.02

34.95

29.68

10.20

9.53

9.32

13.37

15.34

21.00

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

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

1.41

1.96

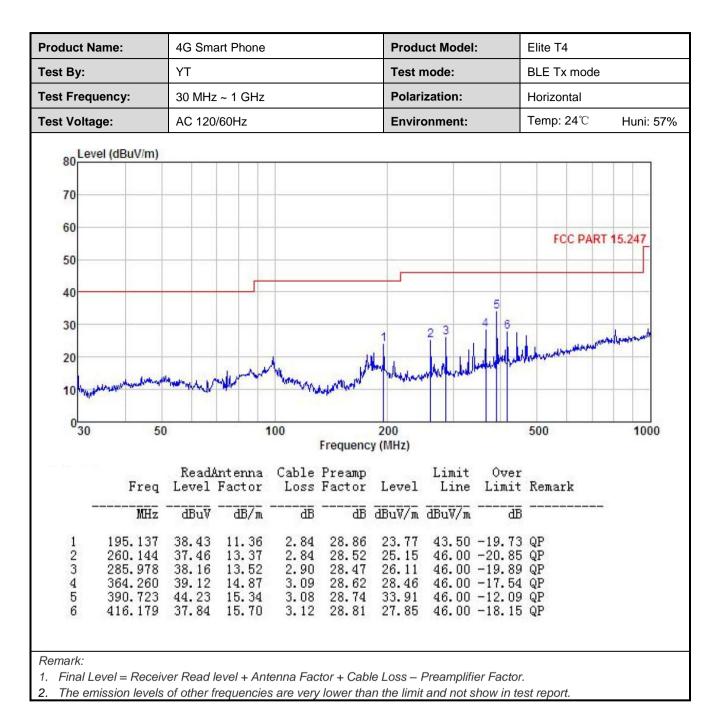
2.64

2.84

3.08

4.35







Above 1GHz

Test channel: Lowest channel										
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	48.23	30.85	6.80	41.81	44.07	74.00	-29.93	Vertical		
4804.00	47.60	30.85	6.80	41.81	43.44	74.00	-30.56	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	47.58	30.85	6.80	41.81	43.42	54.00	-10.58	Vertical		
4804.00	47.30	30.85	6.80	41.81	43.14	54.00	-10.86	Horizontal		
Test channel: Middle channel										
				tector: Peak						
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	vel Limit Line Over		Polarization		
4884.00	47.69	31.20	6.86	41.84	43.91	74.00	-30.09	Vertical		
4884.00	46.53	31.20	6.86	41.84	42.75	74.00	-31.25	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	38.56	31.20	6.86	41.84	34.78	54.00	54.00 -19.22 V			
4884.00	37.20	31.20	6.86	41.84	33.42	54.00	-20.58	Horizontal		
	Test channel: Highest channel									
				tector: Peak						
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	47.93	31.63	6.91	41.87	44.60	74.00	-29.40	Vertical		
4960.00	47.02	31.63	6.91	41.87	43.69	74.00	-30.31	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		
4960.00	38.56	31.63	6.91	41.87	35.23	54.00	-18.77	Vertical		
4960.00	38.72	31.63	6.91	41.87	35.39	54.00	-18.61	Horizontal		
 Remark: Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor. The emission levels of other frequencies are very lower than the limit and not show in test report. 										