

Report No: CCISE200705006

FCC REPORT

Applicant:	Sky Phone LLC
Address of Applicant:	1348 Washington Av. Suite 350, Miami Beach, Florida, United States
Equipment Under Test (E	EUT)
Product Name:	4G SMART PHONE
Model No.:	Elite H55
Trade mark:	SKY DEVICES
FCC ID:	2ABOSSKYELITEH55
Applicable standards:	FCC CFR Title 47 Part 15 Subpart B
Date of sample receipt:	14 Jul., 2020
Date of Test:	15 Jul., to 19 Aug., 2020
Date of report issued:	20 Aug., 2020
Test Result:	PASS *

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

Authorized Signature:



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	20 Aug., 2020	Original

Tested by:

Mike.OU Test Engineer Winner Thang Project Engineer

20 Aug., 2020 Date:

20 Aug., 2020

Date:

Reviewed by:

<u>CCIS</u>

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4 Test Summary

Test Item	Section in CFR 47	Result		
Conducted Emission	Part 15.107	Pass		
Radiated Emission	Part 15.109	Pass		
Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. N/A: The EUT not applicable of the test item.				
Test Method: ANSI C63.4:2014				



5 General Information

5.1 Client Information

Applicant:	Sky Phone LLC
Address:	1348 Washington Av. Suite 350, Miami Beach, Florida, United States
Manufacturer:	Sky Phone LLC
Address:	1348 Washington Av. Suite 350, Miami Beach, Florida, United States

5.2 General Description of E.U.T.

Product Name:	4G SMART PHONE	
Model No.:	Elite H55	
Power supply:	Rechargeable Li-ion Battery DC3.8V, 2000mAh	
AC adapter:	Input: AC100-240V, 50/60Hz, 0.2A	
	Output: DC 5.0V, 1000mA	
Test Sample Condition:	The test samples were provided in good working order with no visible defects.	

5.3 Test Mode and test samples plans

Operating mode	Detail description	
PC mode	Keep the EUT in Downloading mode(Worst case)	
Charging+Recording mode	Keep the EUT in Charging+Recording mode	
Charging+Playing mode	Keep the EUT in Charging+Playing mode	
FM mode	Keep the EUT in FM receiver mode	
GPS mode	Keep the EUT in GPS receiver mode	
The sample was placed 0.8m 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.

5.4 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)	

5.5 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
DELL	PC	OPTIPLEX7070	2J8XSZ2	DoC
DELL	MONITOR	SE2018HR	3M7QPY2	DoC
DELL	KEYBOARD	KB216d	N/A	DoC
DELL	MOUSE	MS116t1	N/A	DoC
HP	Printer	HP LaserJet P1007	VNFP409729	DoC



5.6 Related Submittal(s) / Grant (s)

This is an original grant, no related submittals and grants.

5.7 Description of Cable Used

Cable Type Description		Length	From	То
Detached USB Cable	Shielding	1.0m	EUT	PC/Adapter

5.8 Additions to, deviations, or exclusions from the method

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

5.10Laboratory 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

5.11 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	
SHI SAC	SAEIVIC	900 000 000	900	07-22-2020	07-21-2023	
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	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			1905	06-22-2017	06-21-2020	
Hom Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2020	06-21-2021	
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-18-2019	11-17-2020	
EMI Test Software	AUDIX	E3	Version: 6.110919b		b	
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	03-06-2021	
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2020	03-06-2021	

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					
	Dahda 8 Caburar		0400004/040	07-21-2017	07-20-2020					
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2020	07-20-2023					
Cable	HP	10503A	N/A	03-05-2020	03-04-2021					
EMI Test Software	AUDIX	E3	N	/ersion: 6.110919	b					



6 Test results and Measurement Data

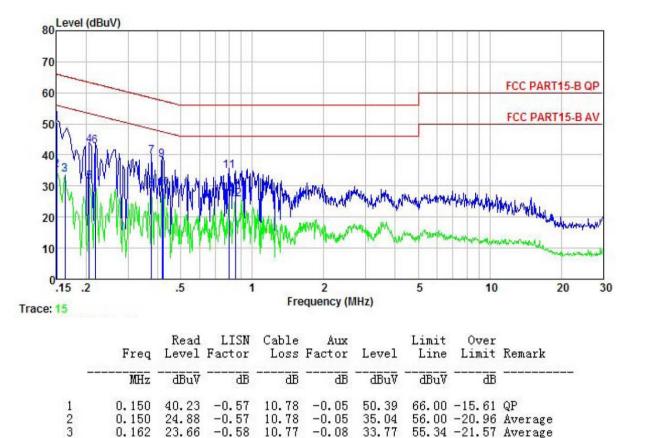
6.1 Conducted Emission

Test Requirement:FCC Part 15 B Section 15.107Test Frequency Range:150kHz to 30MHzClass / Severity:Class BReceiver setup:RBW=9kHz, VBW=30kHzLimit:Frequency range (MHz)Quasi-pea0.15-0.566 to 560.5-556	
Class / Severity: Class B Receiver setup: RBW=9kHz, VBW=30kHz Limit: Frequency range (MHz) 0.15-0.5 66 to 56 0.5-5 56	ak Average
Receiver setup:RBW=9kHz, VBW=30kHzLimit:Frequency range (MHz)0.15-0.566 to 560.5-556	ak Average
Limit: Frequency range (MHz) Quasi-pea 0.15-0.5 66 to 56 0.5-5 56	ak Average
Frequency range (MHz) Quasi-pea 0.15-0.5 66 to 56 0.5-5 56	ak Average
Output Quasi-pea 0.15-0.5 66 to 56 0.5-5 56	
0.5-5 56	* 56 to 46*
0 5 00	46
0.5-30 60	50
* Decreases with the logarithm of the frequence	у.
Test setup:	
AUX Equipment Equipment E.U.T Test table/Insulation plane Remarkc E.U.T: Equipment Under Test LISN: Line impedence Stabilization Network Test table height=0.8m	AC power
 Test procedure 1. The E.U.T and simulators are connected to impedance stabilization network(L.I.S.N.). T coupling impedance for the measuring equip 2. The peripheral devices are also connected to LISN that provides a 500hm/50uH coupling termination. (Please refers to the block diag photographs). 3. Both sides of A.C. line are checked for mainterference. In order to find the maximum positions of equipment and all of the interfaccording to ANSI C63.4(latest version) or an an	he provide a 50ohm/50uH oment. o the main power through a impedance with 50ohm ram of the test setup and aximum conducted o emission, the relative face cables must be changed
Test Instruments: Refer to section 5.11 for details	
Test mode: Refer to section 5.3 for details	
Test results: Pass	



Measurement data:

Product name:	4G SMART PHONE	Product model:	Elite H55
Test by:	Mike	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



4

5

6

7

8

9

10

11

12

0.206

0.206

0.219

0.377

0.377

0.417

0.421

0.800

0.848

33.12

21.34

32.68

29.06

18.52

27.98

18.85

24.55

15.27

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

-0.59

-0.59

-0.58

-0.50

-0.50

-0.47

-0.47

-0.56

-0.58

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

10.76

10.76

10.76

10.72

10.72

10.73

10.73

10.81

10.82

-0.17

-0.17

-0.18

0.27

0.27

0.28

0.25

0.05

-0.09

43.12

31.34

42.68

39.55

29.01

38.52

29.36

34.71

25.56

63.36 -20.24 QP

62.88 -20.20 QP

58.34 -18.79 QP 48.34 -19.33 Average

57.51 -18.99 QP

56.00 -21.29 QP

47.42 -18.06 Average

46.00 -20.44 Average

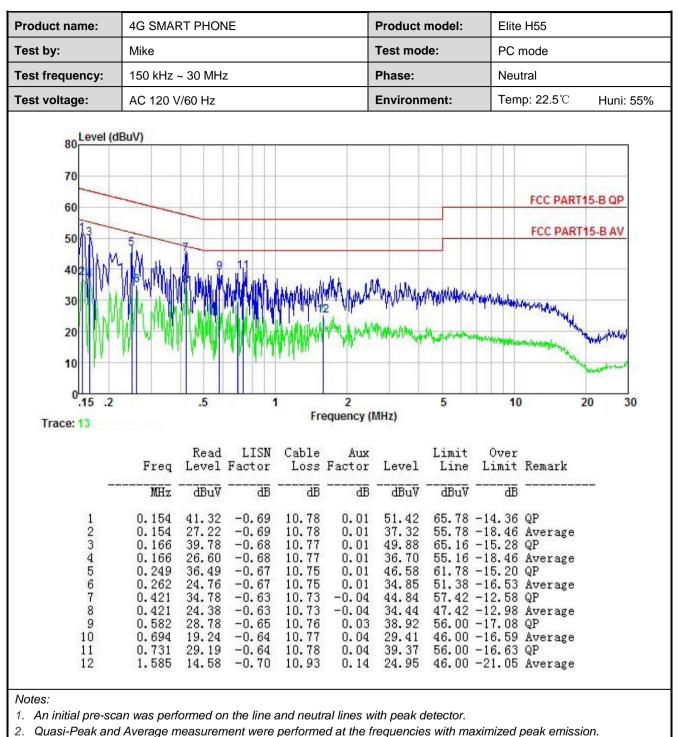
Average

53.36 -22.02

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







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



6.2 Radiated Emission

Test Requirement:	FCC Part 15 B Section 15.109								
Test Frequency Range:	30MHz to 6000MI	Hz							
Test site:	Measurement Dis	tance: 3m (Sem	i-Anechoic (Chamber)				
Receiver setup:	Frequency	Detecto	r	RBW	VBW	Remark			
	30MHz-1GHz Quasi-pe			120kHz	300kHz	Quasi-peak Value			
		Peak		1MHz	3MHz	Peak Value			
	Above 1GHz RMS			1MHz	3MHz	Average Value			
Limit:	Frequenc	v	Lim	nit (dBuV/m	@3m)	Remark			
	30MHz-88M	/Hz		40.0	· · ·	Quasi-peak Value			
	88MHz-216	MHz		43.5		Quasi-peak Value			
	216MHz-960	MHz		46.0		Quasi-peak Value			
	960MHz-1G	GHz		54.0		Quasi-peak Value			
	Above 10	1-		54.0		Average Value			
	Above 1G			74.0		Peak Value			
Test setup:	Below 1GHz EUT 3m Tum 0.8m Table 0.8m Above 1GHz	4m		RFT		1			
		EUT		Horn Antenna Horn Antenna ence Plane	Antenna Tower				
Test Procedure:	ground at a 3 n degrees to dete 2. The EUT was s which was mou 3. The antenna he ground to deter	neter semi-a ermine the p set 3 meters unted on the eight is varie rmine the ma	anec bositi awa top ed fro axim	hoic camber on of the hig ay from the in of a variable om one mete num value of	The table ghest radiat nterference height an er to four m the field st	e-receiving antenna, tenna tower. leters above the			



	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 rotatable 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 10dB 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 10dB 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 Instruments:	Refer to section 5.11 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	All of the observed value above 6GHz ware the niose floor , which were no recorded



Measurement Data:

Product Name:	4G SI	MART	PHONE				Product Model:		Elite	Elite H55			
ſest By:	Mike						Test m	ode	:	PC mode			
Test Frequency:	30 MI	30 MHz ~ 1 GHz					Polarization: Ve			Verti	Vertical		
Fest Voltage:	AC 12	AC 120/60Hz					Environment:			Tem	p: 24 ℃	Huni: 579	
Level (dBu\	//m)												
80													
70	_		_							_			
60	_								_				
50										FCC PA	RT15 CL	LASSB	
100						4	6	-					
40		12					(144)	-					
		Ale			, which a		M	1				100	
30	5	M	hu.		mburlyndrady	Mary	Mar Mar						
30 20	what	Mu	Myn	1	patrick of a strategy		part 1	had	many	-	nument	provident	
20	would	Mu	Mary My	wound	photochinday		part 1	had	min	uliquidee	nument	producted	
20 ml	weeken	M	nymy	way	pharter advised as		pur an	had a	muny	alest door la	nument	producted	
20	weth and		M	Murrayul M	photo almada	200	pure and a	had a	men	500	nument	puritured	
20 ml	would not		M	100	Frequence		pure and a	hand a	undunge		annaut		
	F	ReadA	1 nt enna	Cable	Aux	y (MHz) Pream			Limit	500 Ove:	r	1000	
20 10 0 30 F	F req Le	ReadA	ntenna Factor	Cable Loss	Aux Factor	y (MHz) Pream Factor	c Leve	el	Limit Line	500 Ove: Limi	r t Rema	1000	
20 10 0 30 F	F req Le	ReadA	1 nt enna	Cable	Aux	y (MHz) Pream Factor	c Leve	el	Limit	500 Ove:	r t Rema	1000	
20 10 0 30 F 1 1 1 1 60.	F req Le WHz c 069 54	ReadA evel 1 IBuV 1.80	ntenna Factor dB/m 10.80	Cable Loss dB 0.42	Aux Factor dB 0.00	y (MHz) Preamp Factor dF 29.71	r Levo 3 dBuV/ 7 36.:	el 7m (Limit Line BuV/m 40.00	500 Ove: Limi ⁻ dl -3.7	r t Rema 3	1000	
20 10 0 30 F	F req Le MHz - 0 069 54 371 54 386 50	ReadA evel 1	ntenna Factor dB/m	Cable Loss dB	Aux Factor dB	y (MHz) Preamp Factor dE 29.77 29.76 28.98	c Leve 3 dBuV/ 7 36.: 5 35. 3 38.9	el 7m (25 78 92	Limit Line HBuV/m	500 Ove: Limi dl	r t Rema 5 QP 2 QP 8 QP	1000	

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.

3. The Aux Factor is a notch filter switch box loss, this item is not used.



Product Nam	ne: 40	G SMART	PHONE				Product N	Elite H55				
Test By:	М	like					Test mod	e:	PC mo	PC mode		
Test Frequer	n cy: 30	0 MHz ~ 1	GHz				Polarizati	Horizo	Horizontal			
Test Voltage	: A	AC 120/60Hz					Environm	ent:	Temp	: 24 ℃	Huni: 579	
80 Leve	el (dBuV/m)											
70												
60									FCC PAR	T15 CLA	SSB	
50												
						12 3	19		6			
40					Lowport	mar wh	WANK L					
30				-	Jur .		1	a la		A		
20		por and	W.	1				wanter the	manderburgh	which	alklanks	
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10 viewhat	ndywlauria 51	and and a	We want was a series of the se	100	Frequenc	200 :y (MHz)			500	uky (Jeh	1000	
10	enderenderenderenderenderenderenderende	and a second sec	Markan markan	100	Frequenc	7.0				ut vi let	1000	
10		ReadA	Intenna	Cable	Aux	y (MHz) Preamp		Limit	500 Over			
10	Freq	ReadA Level	intenna Factor	Cable Loss	Aux Factor	y (MHz) Preamp Factor	Level	Limit Line	500 Over Limit			
10		ReadA	Intenna	Cable	Aux	y (MHz) Preamp Factor		Limit Line	500 Over			
10 10 10 10 10 10 10 10 10 10 10 10 10 1	Freq MHz 184.490	ReadA Level dBuV 53.02	ntenna Factor dB/m 17.16	Cable Loss dB 0.69	Aux Factor dB 0.00	ry (MHz) Preamp Factor dB 28.94	Level dBuV/m 41.93	Limit Line dBuV/m 43.50	500 Over Limit 1.57	 QP		
10 10 10 10 10 10 10 10 10 10 10 10 10 1	Freq MHz 184.490 191.745	Read& Level dBuV 53.02 52.71	ntenna Factor 	Cable Loss dB 0.69 0.70	Aux Factor dB 0.00 0.00	ry (MHz) Preamp Factor dB 28.94 28.89	Level dBuV/m 41.93 42.07	Limit Line dBuV/m 43.50 43.50	500 Over Limit -1.57 -1.43	QP QP		
10 10 10 10 10 10 10 10 10 10 10 10 10 1	Freq MHz 184.490 191.745 216.024 287.990	Read& Level dBuV 53.02 52.71 53.69 53.82	ntenna Factor dB/m 17.16 17.55 18.37 18.65	Cable Loss dB 0.69 0.70 0.74 0.85	Aux Factor dB 0.00 0.00 0.00 0.00	y (MHz) Preamp Factor 28.94 28.89 28.73 28.47	Level dBuV/m 41.93 42.07 44.07 44.85	Limit Line dBuV/m 43.50 43.50 46.00 46.00	500 Over Limit -1.57 -1.43 -1.93 -1.15	QP QP QP QP QP		
10 10 10 10 10 10 10 10 10 10 10 10 10 1	Freq MHz 184.490 191.745 216.024	Read& Level dBuV 53.02 52.71 53.69	Intenna Factor <u>dB/m</u> 17.16 17.55 18.37	Cable Loss dB 0.69 0.70 0.74	Aux Factor dB 0.00 0.00 0.00 0.00 0.00 0.00	y (MHz) Preamp Factor 28.94 28.89 28.73 28.47 28.45	Level dBuV/m 41.93 42.07 44.07 44.85 42.83	Limit Line dBuV/m 43.50 43.50 46.00 46.00 46.00	500 Over Limit -1.57 -1.43 -1.93	QP QP QP QP QP QP		

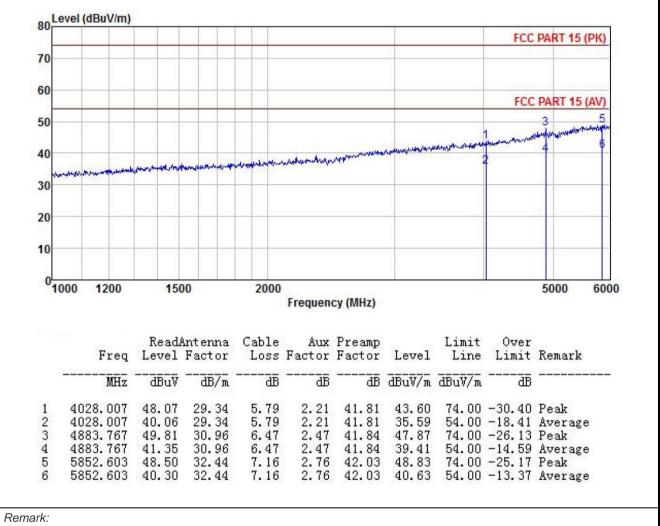
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

3. The Aux Factor is a notch filter switch box loss, this item is not used.



Above 1GHz:

Product Name:	4G SMART PHONE	Product Model:	Elite H55
Test By:	Mike	Test mode:	PC mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



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:	4G 3	SMART	PHONE				Product I	Nodel:	Elite H55			
est By:	Mike	е					Test mod	e:	PC mode			
Test Frequency:	1 G	Hz ~ 6 (GHz				Polarizati	on:	Horizontal			
Fest Voltage:	AC 120/60Hz				Environment:			nent:	Temp: 24°C Huni: 57			
80 Level (dBu	V/m)											
		-							FCC	PART 15 (PK)	
70												
60									FCC	PART 15 (AV)	
50										2	5	
									unpublication spand	wether share	Link	
40			1	Manundo	withtentonyth	And the second second	and a low and a specific territory of	2				
30	tank many		Press of the second									
20												
10			_									
0 1000 12	200	150	0	2000	Frequen	cy (MHz)				5000	6000	
		Roadd	ntenna	Cabla	Å	Preamp		Limit	Over			
F	req 1		Factor		Factor	Factor	Level	Line		Remark		
	MHz	dBu∛		dB	B		dBuV/m	dBuV/m	<u>a</u> B			
1 3981.		49.53	29.27	5.75	2.20	41.81	44.94		-29.06			
2 3981.		41.24	29.27	5.75	2.20		36.65			Average	e	
3 5309. 4 5309.		49.13 41.40	31.90 31.90	6.84 6.84	2.60 2.60			74.00	-25.43	Peak Average		
5 5773.		41.40	32.41	7.13	2.00			74.00	-25.10	Peak		
6 5773.		40.24	32.41	7.13	2.73					Average	e	
Remark:												
. Final Level = Re	eceiver	Read le	vel + Ante	enna Fac	tor + Cab	le Loss –	Preampli	fier Factor	r.			