

Report No: CCISE190905506

FCC REPORT

Applicant:	SKY PHONE LLC			
Address of Applicant:	1348 Washington Av. Suite 350, Miami Beach, FL 33139			
Equipment Under Test (B	EUT)			
Product Name:	SMART PHONE			
Model No.:	SKY BLACK			
Trade mark:	SKY DEVICES			
FCC ID:	2ABOSSKYBLACK			
Applicable standards:	FCC CFR Title 47 Part 15 Subpart B			
Date of sample receipt:	17 Sep., 2019			
Date of Test:	18 Sep., to 24 Oct., 2019			
Date of report issued:	25 Oct., 2019			
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	25 Oct., 2019	Original

Tested by:

lang Date: Test Engineer

Date:

25 Oct., 2019

25 Oct., 2019

Reviewed by:

han' Wimer

Project Engineer



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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, FL33139	
Manufacturer: SKY PHONE LLC		
Address:	1348 Washington Av. Suite 350, Miami Beach, FL33139	
Factory:	Gui zhou Fortuneship Technology Co., Ltd	
Address:	No. 4 Plant, High-tech Industrial Park, Xinpu Economic Development Zone) Jingkai Road, Xinpu Jingkai District, Xinpu New District, Zunyi City, Guizhou Province, P. R. China	

5.2 General Description of E.U.T.

Product Name:	SMART PHONE		
Model No.:	SKY BLACK		
Power supply:	Rechargeable Li-ion Battery DC3.7V, 1400mAh		
AC adapter :	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.		

5.3 Test Mode

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					

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)	±5.38 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±3.36 dB (k=2)



5.5 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
DELL	PC OPTIPLEX745 N/A		N/A	DoC
DELL	MONITOR	MONITOR E178FPC N/A		DoC
DELL	KEYBOARD	SK-8115	N/A	DoC
DELL	MOUSE	MOC5UO	N/A	DoC
LENOVO	Laptop	SL510	2847A65	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
Detached headset cable	Unshielded	1.2m	EUT	Headset

5.8 Additions to, deviations, or exclusions from the method

No

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.

• CNAS - Registration No.: CNAS L6048

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

• A2LA - Registration No.: 4346.01

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

5.10 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



5.11 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	
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	03-18-2019	03-17-2020	
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-18-2019	03-17-2020	
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-18-2019	03-17-2020	
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			
Pre-amplifier	HP	8447D	2944A09358	03-18-2019	03-17-2020	
Pre-amplifier	CD	PAP-1G18	11804	03-18-2019	03-17-2020	
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-18-2019	03-17-2020	
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-21-2018	11-20-2019	
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-18-2019	03-17-2020	
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-18-2019	03-17-2020	
Cable	MICRO-COAX	MFR64639	K10742-5	03-18-2019	03-17-2020	
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-18-2019	03-17-2020	

Conducted Emission:							
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-vy)		
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-18-2019	03-17-2020		
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-18-2019	03-17-2020		
LISN	CHASE	MN2050D	1447	03-18-2019	03-17-2020		
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2019	07-20-2020		
Cable	HP	10503A	N/A	03-18-2019	03-17-2020		
EMI Test Software	AUDIX	E3	Version: 6.110919b				



6 Test results and Measurement Data

6.1 Conducted Emission

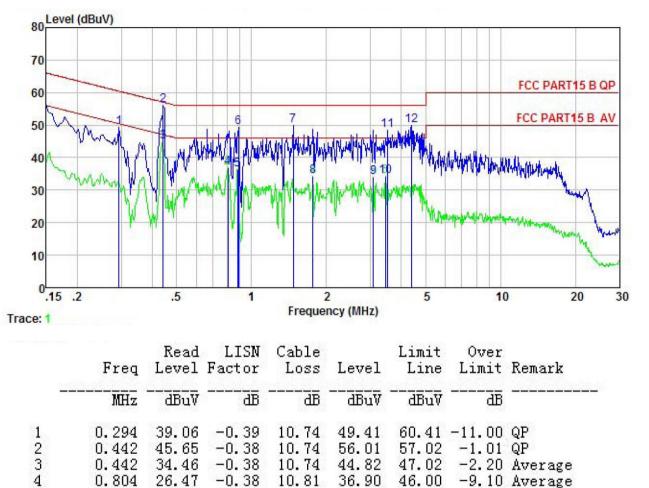
Test Requirement:	FCC Part 15 B Section 15.10)7	
Test Frequency Range:	150kHz to 30MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9kHz, VBW=30kHz		
Limit:	Frequency range (MHz)	(dBµV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	0.5-30	60	50
	* Decreases with the logarith	m of the frequency.	
Test setup:	Reference Plan 40cm 80cr 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	HISN Filter AC pr EMI Receiver	
Test procedure	 The E.U.T and simulators line impedance stabilizatio 50ohm/50uH coupling imp The peripheral devices are LISN that provides a 50oh termination. (Please refers photographs). Both sides of A.C. line are interference. In order to fin positions of equipment and according to ANSI C63.4: 	on network(L.I.S.N.). The edance for the measu e also connected to the m/50uH coupling impe- s to the block diagram checked for maximum of the maximum emiss d all of the interface ca	he provide a ring equipment. e main power through a edance with 50ohm of the test setup and n conducted sion, the relative ables must be changed
Test Instruments:	Refer to section 5.11 for deta	ails	
Test mode:	Refer to section 5.3 for detail	S	
Test results:	Pass		





Measurement data:

Product name:	SMART PHONE	Product model:	SKY BLACK
Test by:	YT	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%



36.36

49.16

49.86

34.35

33.89

34.10

48.49

49.96

46.00

56.00

56.00

56.00

56.00

-9.64 Average

-6.84 QP

-6.14 QP 46.00 -11.65 Average

46.00 -12.11 Average

46.00 -11.90 Average

-7.51 QP

-6.04 QP

Notes:

5

6

7

8

9

10

11

12

0.880

0.885

1.472

1.762

3.090

3.454

3.528

4.407

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

-0.38

-0.38

-0.40

-0.40

-0.44

-0.45

-0.45

-0.47

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

10.83

10.84

10.92

10.94

10.92

10.91

10.90

10.87

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

25.91

38.70

39.34

23.81

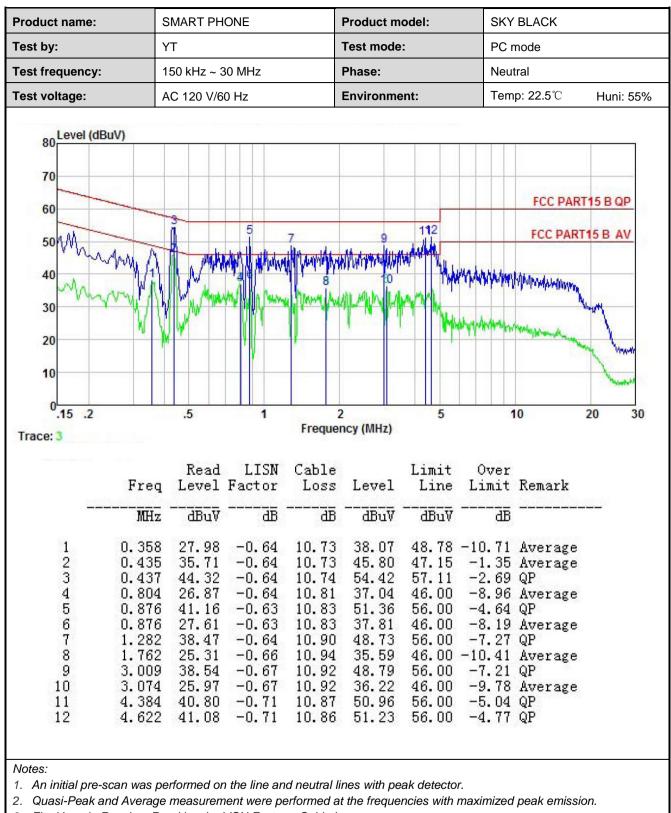
23.41

23.64

38.04

39.56







6.2 Radiated Emission

Test Requirement:	FCC Part 15 B S	ection 15.1	09			
Test Frequency Range:	30MHz to 6000M	IHz				
Test site:	Measurement Dis	stance: 3m	(Sen	ni-Anechoic	Chamber)	
Receiver setup:	Frequency	Detecto	•	RBW	VBW	Remark
	30MHz-1GHz	Quasi-pe	eak	120kHz	300kHz	Quasi-peak Value
	Above 1GHz	Peak		1MHz	3MHz	Peak Value
		RMS		1MHz	3MHz	Average Value
Limit:	Frequency Limit (dBuV/m @3m) Rema					
	30MHz-88N			40.0		Quasi-peak Value
	88MHz-216			43.5		Quasi-peak Value
	216MHz-960			46.0		Quasi-peak Value
	960MHz-10	σHZ		<u>54.0</u> 54.0		Quasi-peak Value
	Above 1G	Hz		<u> </u>		Average Value Peak Value
Test setup:				74.0		Peak value
	Below 1GHz	4m 4m - ₩ h Im - M		11	Antenna Tower Search Antenna Test eiver	
				erence Plane	Antenna Towe	
Test Procedure:	ground at a 3 r degrees to det 2. The EUT was which was mo 3. The antenna h ground to dete	meter semi ermine the set 3 mete unted on the eight is val ermine the i vertical po	-aneo posit rs aw ne top ried fi maxir	choic cambe tion of the hi ay from the o of a variabl rom one me num value o	r. The table ghest radia interferenc e-height ar ter to four r f the field s	e-receiving antenna, ntenna tower. neters 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:

		SMART PHONE YT				roduct Mo	del:	SKY BLACK PC mode		
Fest By:	,					est mode:				
Test Frequency:		30 MHz ~ 1 GHz				olarizatior	n:	Vertical		
Fest Voltage	:	AC 120/60)Hz		E	nvironme	nt:	Temp: 2	24 ℃	Huni: 57
80 Level (d	BuV/m)									
70										
60								FCC P	ART15 C	LASSB
50										
40			T T					5		
40					2			1	6	
30				1	1 profile		Ann II	is a with	ALTHE MADE	MALAW M
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30 20	1 10	. A	Alla	Level Level And	Marriel Harrison	MAN	Markall	Wandsorth	A Maritudian	MANN
	montally	mesel A	whith	Lillender	10 million and and and and and and and and and an	MAN	Manh	utrila, also really	Antheologia	"Add M
20	handlethe	maad A	with	Jun Hannahad	10-10 Martin	M	, Markall	with another or the	Aprille Jockson	MAN M
20	50	mesel M	100	Free	200	1. AN MAN	, And Market	ulla adumuh 500	Anthe production	1000
20 10	-			25.	uency (MH	22	, And Market		Aptile production	
20 10	50	Read	100 Antenna Factor	Cable	uency (MH Preamp		Limit	500 Over		1000
20 10	50	Read	Antenna Factor	Cable	uency (MH Preamp Factor		Limit Line	500 Over Limit		1000
20 10 0 30	50 Freq MHz 128.113	Read/ Level dBuV 40.84	Antenna Factor dB/m 10.29	Cable Loss dB 2.26	uency (MH Preamp Factor dB 29.34	Level dBuV/m 24.05	Limit Line dBuV/m 43.50	500 Over Limit 	Remar 	1000
20 10 0 30	50 Freq MHz 128.113 176.888	Read/ Level dBuV 40.84 47.56	Antenna Factor dB/m 10.29 9.86	Cable Loss dB 2.26 2.71	uency (MH Preamp Factor dB 29.34 29.00	Level dBuV/m 24.05 31.13	Limit Line dBuV/m 43.50 43.50	500 Over Limit -19.45 -12.37	Remar QP QP	1000
20 10 0 30	50 Freq MHz 128.113 176.888 199.286	Read/ Level dBuV 40.84 47.56 51.30	Antenna Factor dB/m 10.29 9.86 10.58	Cable Loss dB 2.26 2.71 2.86	uency (MH Preamp Factor dB 29.34 29.00 28.83	Level dBuV/m 24.05 31.13 35.91	Limit Line dBuV/m 43.50 43.50 43.50	500 Over Limit 	Remar QP QP QP	1000
20 10 0 30	50 Freq MHz 128.113 176.888	Read/ Level dBuV 40.84 47.56	Antenna Factor dB/m 10.29 9.86	Cable Loss dB 2.26 2.71	uency (MH Preamp Factor dB 29.34 29.00 28.83 28.52	Level dBuV/m 24.05 31.13	Limit Line dBuV/m 43.50 43.50 43.50 43.00	500 Over Limit -19.45 -12.37	Remar QP QP QP QP	1000



Product Name:						oduct Mod	SKY BLACK PC mode			
est By:						st mode:				
est Frequency:	3	0 MHz ~ 1	GHz		Ро	larization:		Horizontal		
est Voltage:	A	C 120/60H	Ηz		En	vironment	:	Temp: 24	°C	Huni: 57%
Lovel (dDu)	(Im)									
80 Level (dBu\	//m)									
70										
60										
								FCC PART	15 CL/	ASSB
50					- In-			6		
40		1			2 3	45				
30		<u>^</u>			WHAT	Monthly 110		Mandangun		weld
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20	<u>م</u> مر مراجع م 50	m	100	washing and	200		- Alma	500	htar a.	1000
20 10		m			200 ency (MHz)					
20 10 0 30	50	ReadA	100 Lintenna	Frequ Cable	ency (MHz) Preamp		Limit	500 Over		1000
20 10 0 30	50 Freq	ReadA	100 Intenna Factor	Frequ Cable Loss	ency (MHz) Preamp Factor	Level	Line	500 Over Limit		1000
20 10 0 30	50	ReadA	100 Lintenna	Frequ Cable	ency (MHz) Preamp Factor		Line	500 Over		1000
20 10 0 30 1 1 74	50 Freq MHz	Read& Level dBuV 56.27	100 Intenna Factor 	Frequ Cable Loss dB 1.63	ency (MHz) Preamp Factor dB 29.68	Level dBuV/m 36.02	Line <u>dBuV/m</u> 40.00	500 Over Limit 	Rem: 	1000
20 10 0 30 1 74 2 173 3 198	50 Freq MHz 1.919 3.814 3.588	Read# Level dBuV 56.27 51.43 52.66	100 Intenna Factor dB/m 7.80 9.76 10.55	Frequ Cable Loss dB 1.63 2.68 2.86	ency (MHz) Preamp Factor dB 29.68 29.02 28.84	Level dBuV/m 36.02 34.85 37.23	Line dBuV/m 40.00 43.50 43.50	Over Limit 	Rem: QP QP QP	1000
20 10 0 30 3 4 293	50 Freq MHz 1.919 3.814 3.588 3.084	Read& Level dBuV 56.27 51.43 52.66 48.04	100 Intenna Factor dB/m 7.80 9.76 10.55 13.50	Frequ Cable Loss dB 1.63 2.68 2.86 2.92	ency (MHz) Preamp Factor dB 29.68 29.02 28.84 28.46	Level dBuV/m 36.02 34.85 37.23 36.00	Line <u>dBuV/m</u> 40.00 43.50 43.50 46.00	Over Limit 	Rem: QP QP QP QP	1000
20 10 0 30 10 30 30 30 30 30 4 293 5 30 5 30 5	50 Freq MHz 1.919 3.814 3.588 3.084 5.680	Read& Level dBuV 56.27 51.43 52.66 48.04 47.58	100 Intenna Factor dB/m 7.80 9.76 10.55	Frequ Cable Loss dB 1.63 2.68 2.86 2.92 2.96	ency (MHz) Preamp Factor dB 29.68 29.02 28.84 28.46	Level dBuV/m 36.02 34.85 37.23 36.00 35.82	Line dBuV/m 40.00 43.50 43.50 46.00 46.00	Over Limit 	Rem: QP QP QP QP QP QP	1000
20 10 0 30 10 30 30 30 30 30 4 293 5 30 5 30 5	50 Freq MHz 1.919 3.814 3.588 3.084 5.680	Read# Level dBuV 56.27 51.43 52.66 48.04 47.58	100 Intenna Factor dB/m 7.80 9.76 10.55 13.50 13.74	Frequ Cable Loss dB 1.63 2.68 2.86 2.92 2.96	ency (MHz) Preamp Factor 	Level dBuV/m 36.02 34.85 37.23 36.00 35.82	Line dBuV/m 40.00 43.50 43.50 46.00 46.00	Over Limit 	Rem: QP QP QP QP QP QP	1000



Product Name:	SMART PI	HONE	Product Model:	SKY BLACK				
est By:	YT		Test mode:	PC mode	PC mode			
est Frequency:	1 GHz ~ 6	GHz	Polarization:	larization: Vertical				
est Voltage:	AC 120/60	Hz	Environment:	Temp: 24 ℃	Huni: 57%			
Level (dBuV/r	m)							
80 Level (ubuvi				FCC PART	15 (PK)			
70								
60				FCC PART	15 (AV)			
50								
100			1 march marginet work of the	and when the second and again				
40	mon martin martine	an and the superior and the second	hadren and a stranger and a stranger the	4				
30								
20								
10								
10								
0 <mark>1000 1200</mark>	1500	2000 Frequ	ency (MHz)	5000	6000			
	ReadA	ntenna Cable	Preamp Lim Factor Level Li		n o v lr			

	an an an an an An								
	MHz	dBu∛	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
	2956.103	48.04	28.41	5.30	41.54	42.09	74.00	-31.91	Peak
2	2956.103	38.64	28.41	5.30	41.54	32.69	54.00	-21.31	Average
1 2 3 4 5 8	4345.593	49.09	30.37	6.62	41.92	46.47	74.00	-27.53	Peak
1	4345.593	38.74	30.37	6.62	41.92	36.12	54.00	-17.88	Average
5	5585.559	48.98	32.62	7.29	41.80	49.77	74.00	-24.23	Peak
5	5585.559	38.68	32.62	7.29	41.80	39.47	54.00	-14.53	Average
rk:									
	_evel = Receive		- 1	F (0-1-1-1				

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



Product N	ame:	SMART F	HONE			Product N	lodel:	SKY	SKY BLACK		
Fest By:		YT				Test mode	e :	PC m	PC mode		
Test Frequ	est Frequency:		1 GHz ~ 6 GHz				on:	Horizo	Horizontal		
Fest Volta	ge:	AC 120/6	0Hz			Environm	ent:	Temp	Temp: 24°C Huni: 5		
Level	(dBuV/m)										
80	abavinij								CC PART 1	5 (PK)	
70										100 100	
60								_			
			_						CC PART 1		
50								3	a farman an an	apple alling	
40					and a store of the life	munther	1 de de la la de	- Cardinana		6	
wywrest by	makenesemethet	mounder	ngt esternisting and the second	freedom and an an an	1	2		1			
30											
20											
10											
0 ¹ 1000	1200	1500	2	2000				<u></u>	5000	6000	
				Free	quency (M	Hz)					
	-	Read	Intenna	Cable	Preamp		Limit		- ·		
	Freq		Factor					Limit	Kemark		
	MHz	dBu∛	dB/m	dB	dB	dBuV/m	dBu∛/m	dB			
1	2682.037	49.11	27.82	5.02		41.93		-32.07			
2 3	2682.037 3784.836	38.60 48.55	27.82 29.60	5.02 6.06	41.79 41.76			-22.58	Average Peak		
ă	3784.836	38.62	29.60	6.06		34.72	54.00	-19.28	Average		
5	5424.881	49.76	32.43	7.15	41.86	50.12		-23.88			
6	5424.881	38.64	32.43	7.15	41.86	39.00	54.00	-15.00	Average		
Remark:				_		_					
	evel = Receive nission levels o										