

Report No: JYTSZB-R12-2100627

FCC REPORT

Applicant:	SKY PHONE LLC
Address of Applicant:	1348 Washington Av. Suite 350, Miami Beach, FL 33139
Equipment Under Test (E	EUT)
Product Name:	4G Smart Phone
Model No.:	Sky Prestige2
Trade mark:	SKY DEVICES
FCC ID:	2ABOSSKYPRESTG2
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Date of sample receipt:	19 Apr., 2021
Date of Test:	19 Apr., to 19 May, 2021
Date of report issued:	09 Jun, 2021
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 JYT 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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Version 2

Version No.	Date	Description		
00	20 May, 2021	Original		
01	09 Jun, 2021	1. Updated calculate data of 802.11g on page 35.		

Tested by:

Janet Wei Test Engineer

Date: 09 Jun, 2021

Reviewed by:

Winner Thang

Project Engineer

Date:

09 Jun, 2021

Project No.: JYTSZE2104074



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4 Test Summary

Test Items	Section in CFR 47	Test Data	Result
Antenna requirement	15.203 & 15.247 (b)	See Section 6.1	Pass
AC Power Line Conducted Emission	15.207	See Section 6.2	Pass
Duty Cycle	ANSI C63.10-2013	Appendix A – 2.4G Wi-Fi	Pass
Conducted Peak Output Power	15.247 (b)(3)	Appendix A – 2.4G Wi-Fi	Pass
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Appendix A – 2.4G Wi-Fi	Pass
Power Spectral Density	15.247 (e)	Appendix A – 2.4G Wi-Fi	Pass
Conducted Band Edge	15 047 (d)	Appendix A – 2.4G Wi-Fi	Pass
Radiated Band Edge	15.247 (d)	See Section 6.6.2	Pass
Conducted Spurious Emission	45 205 8 45 200	Appendix A – 2.4G Wi-Fi	Pass
Radiated Spurious Emission	15.205 & 15.209	See Section 6.7.2	Pass
Remark:	1	1	1

1. Pass: The EUT complies with the essential requirements in the standard.

2. N/A: Not Applicable.

3. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).

Test Method:

ANSI C63.10-2013 KDB 558074 D01 15.247 Meas Guidance v05r02



5 General Information

5.1 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

5.2 General Description of E.U.T.

Product Name:	4G Smart Phone		
Model No.:	Sky Prestige2		
Operation Frequency:	2412MHz~2462MHz: 802.11b/802.11g/802.11n(HT20)		
Channel numbers:	11: 802.11b/802.11g/802.11(HT20)		
Channel separation:	5MHz		
Modulation technology: (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)		
Modulation technology: (IEEE 802.11g/802.11n)	Orthogonal Frequency Division Multiplexing(OFDM)		
Data speed (IEEE 802.11b):	1Mbps, 2Mbps, 5.5Mbps, 11Mbps		
Data speed (IEEE 802.11g):	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps		
Data speed (IEEE 802.11n):	Up to 72.2Mbps		
Antenna Type:	Internal Antenna		
Antenna gain:	-1.5dBi		
Power supply:	Rechargeable Li-ion Battery DC3.7V, 2000mAh		
AC adapter:	Model:SKY Presting2 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.		

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3 2422MHz 6 2437MHz 9 2452MHz							

Channel 1, 6 & 11 selected for 802.11b/g/n-HT20 as Lowest, Middle and Highest channel. Channel 3, 6 & 9 selected for 802.11n-HT40 as Lowest, Middle and Highest Channel.



5.3 Test environment and 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

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. We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate, the follow list were the worst case.

Mode	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(HT20)	6.5Mbps

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)	±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)

5.6 Laboratory Facility

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

• FCC - Designation No.: CN1211

JianYan Testing Group Shenzhen 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 JianYan Testing Group Shenzhen 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>

5.7 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd. Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of 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

Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	9m*6m*6m	966	01-19-2021	01-18-2024
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-03-2021	03-02-2022
Biconical Antenna	SCHWARZBECK	VUBA9117	359	06-18-2020	06-17-2021
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-03-2021	03-02-2022
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-18-2020	06-17-2021
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-18-2020	11-17-2021
EMI Test Software	AUDIX	E3	V	/ersion: 6.110919b	
Pre-amplifier	HP	8447D	2944A09358	03-03-2021	03-02-2022
Pre-amplifier	CD	PAP-1G18	11804	03-03-2021	03-02-2022
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-03-2021	03-02-2022
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-18-2020	11-17-2021
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-03-2021	03-02-2022
Spectrum Analyzer	Agilent	N9020A	MY50510123	11-18-2020	11-17-2021
Signal Generator	Rohde & Schwarz	SMX	835454/016	03-03-2021	03-02-2022
Signal Generator	R&S	SMR20	1008100050	03-03-2021	03-02-2022
RF Switch Unit	MWRFTEST	MW200	N/A	N/A	N/A
Test Software	MWRFTEST	MTS8200		Version: 2.0.0.0	
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-03-2021	03-02-2022
Cable	MICRO-COAX	MFR64639	K10742-5	03-03-2021	03-02-2022
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-03-2021	03-02-2022
DC Power Supply	XinNuoEr	WYK-10020K	1409050110020	09-25-2020	09-24-2021
Temperature Humidity Chamber	HengPu	HPGDS-500	20140828008	11-01-2020	10-31-2021
Simulated Station	Rohde & Schwarz	CMW500	140493	07-22-2020	07-21-2021

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	03-03-2021	03-02-2022	
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-03-2021	03-02-2022	
LISN	CHASE	MN2050D	1447	03-03-2021	03-02-2022	
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	06-18-2020	06-17-2021	
Cable	HP	10503A	N/A	03-03-2021	03-02-2022	
EMI Test Software	AUDIX	E3	Version: 6.110919b			

Conducted method:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
Spectrum Analyzer	Keysight	N9010B	MY60240202	11-27-2020	11-26-2021
Vector Signal Generator	Keysight	N5182B	MY59101009	11-27-2020	11-26-2021
Analog Signal Generator	Keysight	N5173B	MY59100765	11-27-2020	11-26-2021
Power Detector Box	MWRF-test	MW100-PSB	MW201020JYT	11-27-2020	11-26-2021
Simulated Station	Rohde & Schwarz	CMW270	102335	11-27-2020	11-26-2021
RF Control Box	MWRF-test	MW100-RFCB	MW200927JYT	N/A	N/A
PDU	MWRF-test	XY-G10	N/A	N/A	N/A
Test Software	MWRF-tes	MTS 8310	, v	Version: 2.0.0.0	
DC Power Supply	Keysight	E3642A	MY60296194	11-27-2020	11-26-2021



6 Test results and Measurement Data

6.1 Antenna requirement

Standard requirement:	FCC Part 15 C Section 15.203 /247(b)
responsible party shall be us antenna that uses a unique so that a broken antenna ca electrical connector is prohib 15.247(b) (4) requirement: (4) The conducted output po antennas with directional ga section, if transmitting anten power from the intentional ra	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. ower 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:	
The Wi-Fi antenna is an Inter antenna is -1.5 dBi.	nal antenna which cannot replace by end-user, the best case gain of the



6.2 Conducted Emission

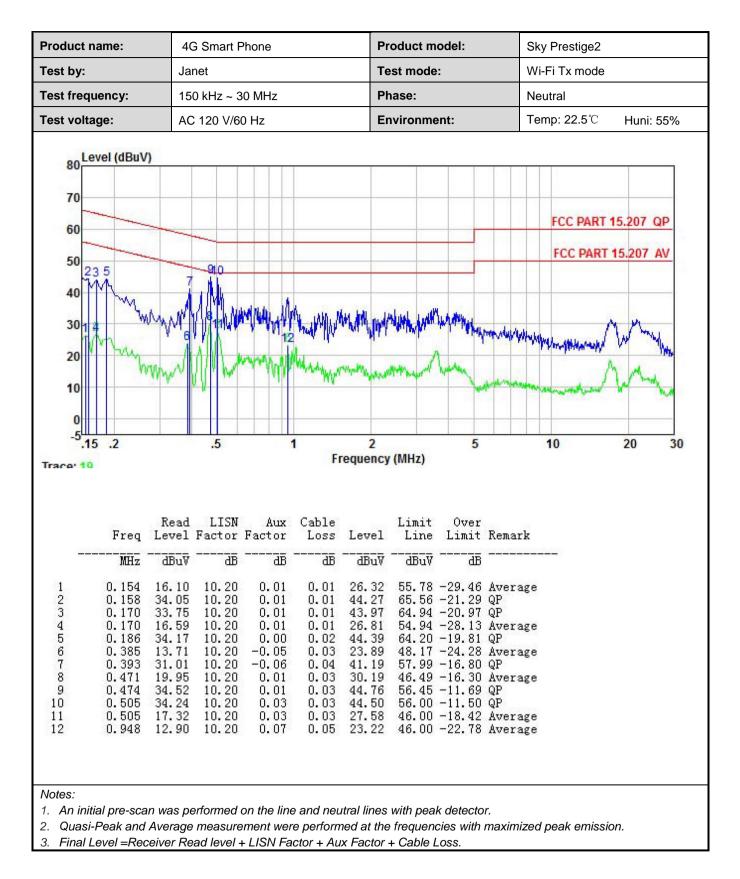
Test Requirement:	FCC Part 15 C Section 15.2	207	
Test Frequency Range:	150 kHz to 30 MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9 kHz, VBW=30 kHz		
Limit:	Frequency range (MHz)	Limit (c	dBuV)
	,	Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
	* Decreases with the logarit		
Test procedure	 line impedance stabiliza 50ohm/50uH coupling i The peripheral devices LISN that provides a 50 termination. (Please ref photographs). Both sides of A.C. line a interference. In order to positions of equipment 	brs are connected to the mation network (L.I.S.N.), with mpedance for the measure are also connected to the Dohm/50uH coupling imperferent to the block diagram of are checked for maximum of find the maximum emission and all of the interface call. 10(latest version) on control of the second control of the se	hich provides a ing equipment. main power through a dance with 500hm the test setup and conducted on, the relative oles must be changed
Test setup:		st	er — AC power
Test Instruments:	Refer to section 5.9 for deta	ils	
Test mode:	Refer to section 5.3 for deta	ils	
Test results:	Passed		



Measurement Data:

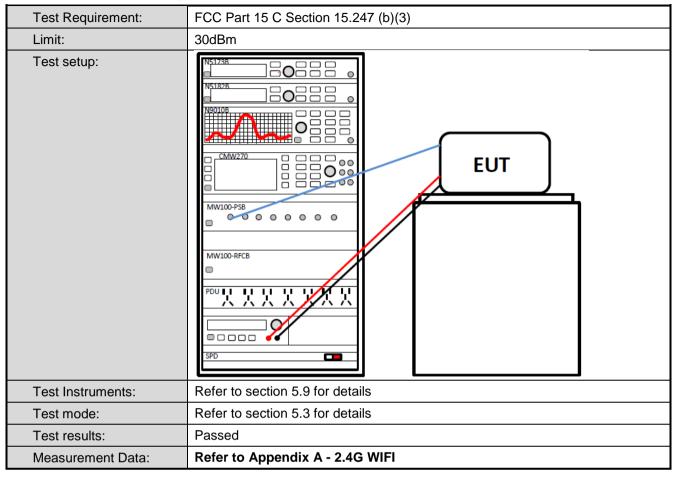
Product name:	4G Smart Phone	Product model:	Sky Prestige2
est by:	Janet	Test mode:	Wi-Fi Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Fest voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%
80 Level (dBuV) 70 60 50 40 30 20 10 0			FCC PART 15.207 QP FCC PART 15.207 AV
- ³ .15 .2	.5 1 Freq Read LISN Aux Cabl	2 5 uency (MHz) e Limit Over	10 20 30
	evel Factor Factor Los		Remark
MHz ·	dBu∛ dB dB d	Ē dBuV dBuV dB	
2 0.170 13 3 0.182 33 4 0.182 13 5 0.381 30	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Average QP Average QP Average QP





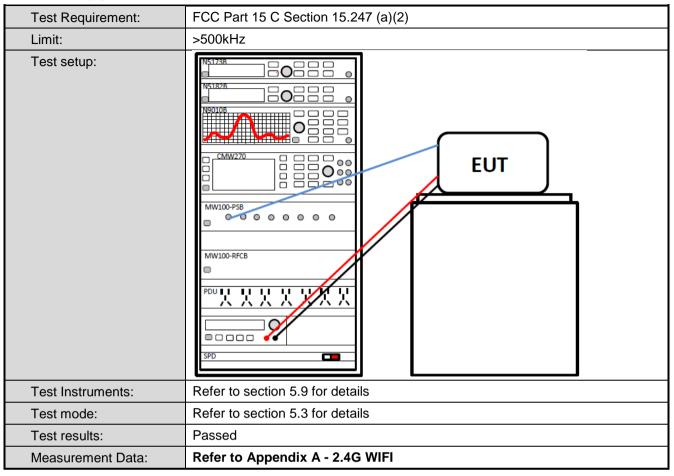


6.3 Conducted Output Power



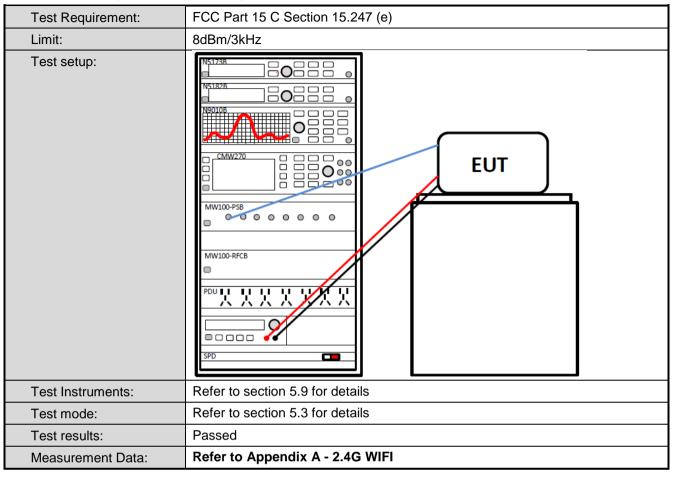


6.4 Occupy Bandwidth





6.5 Power Spectral Density





6.6 Band Edge

6.6.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)
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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
Test setup:	
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Measurement Data:	Refer to Appendix A - 2.4G WIFI



6.6.2 Radiated Emission Method

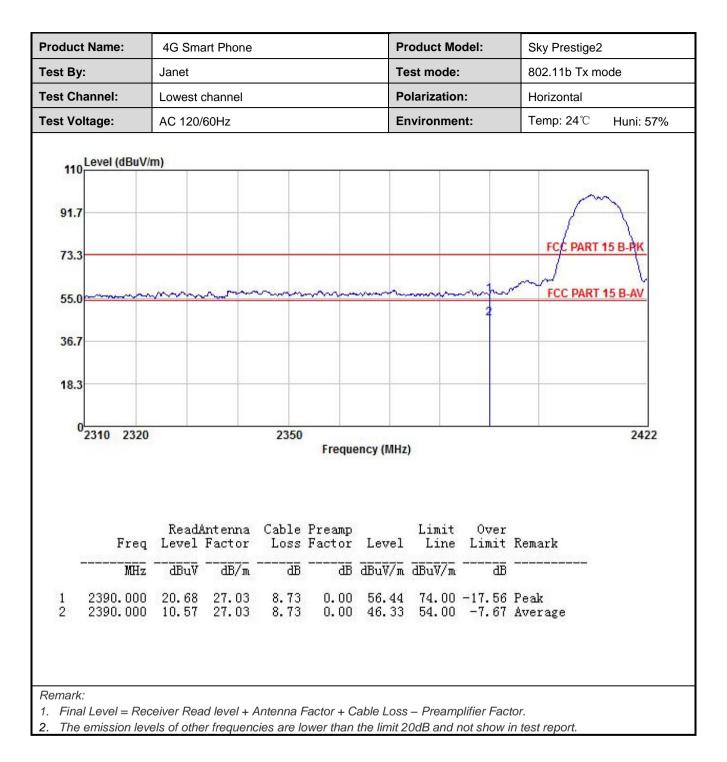
Test Requirement:	FCC Part 15 C Se	ection 15.209	and 15.205						
Test Frequency Range:	2310 MHz to 2390) MHz and 24	83.5 MHz to 2	500 MHz					
Test Distance:	3m								
Receiver setup:	Frequency	Detector	RBW	VBW	Remark				
	Above 1GHz	Peak	1MHz	3MHz	Peak Value				
	Frequency	RMS	1MHz nit (dBuV/m @	3MHz	Average Value Remark				
Limit:			54.00	,	Average Value				
	Above 1GHz 74.00 Peak Value								
Test Procedure:	 the ground at determine the 2. The EUT was antenna, whit tower. 3. The antenna ground to det horizontal an measuremen 4. For each sus and then the and the rota to maximum rea 5. The test-rece Specified Bat 6. If the emission limit specified the EUT wou 10dB margin 	t a 3 meter ca e position of t s set 3 meters ch was moun height is vari- termine the m d vertical pola t. pected emiss antenna was table was turr ading. viver system v ndwidth with I on level of the d, then testing Id be reported would be re-	imber. The tak he highest radi s away from the ted on the top ed from one m aximum value arizations of the ion, the EUT w tuned to heigh ned from 0 deg was set to Peal Maximum Hold EUT in peak r could be stop d. Otherwise th	ble was rotati iation. e interferenc of a variable eter to four r of the field s e antenna ar vas arranged its from 1 me rees to 360 of k Detect Fun I Mode. node was 10 ped and the ne emissions one using pe	ed 360 degrees to e-receiving -height antenna neters above the strength. Both e set to make the I to its worst case eter to 4 meters degrees to find the ction and DdB lower than the peak values of that did not have ak, quasi-peak or				
Test setup:	150cm	AE EUT (Turntable)	Horn	Antenna To	wer				
Test Instruments:	Refer to section 5	.9 for details							
Test mode:	Refer to section 5	.3 for details							
Test results:	Passed								



802.11b mode:

roduct Name:	4G Sma	art Phone				Product	t Model:	Sky F	Prestige2	
est By:	Janet					Test mo	ode:	802.2	11b Tx m	ode
est Channel:	Lowest of	channel				Polariza	ation:	Verti	cal	
est Voltage:	AC 120/	60Hz				Environ	ment:	Tem	⊳: 24 ℃	Huni: 57%
110 Level (dBuV/	m)									
91.7									-	m
73.3									FCC PAF	<u> 15 В-РК</u>
55.0	m	m	m	m		······	2	und the o	FCC PA	RT 15 B-AV
36.7										
18.3										
0 2310 2320			235		uency (M	Hz)				2422
Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark		
MHz	dBuV		B	₫₿	dBuV/m	dBuV/m	<u>ab</u>			
1 2390.000 2 2390.000			8.73 8.73	0.00 0.00		74.00 54.00		Peak Average		
emark:										







oduct Name:	4G Sm	art Phone				Product	Model:	Sky Prestige	2
st By:	Janet				_	Test mo	de:	802.11b Tx i	mode
st Channel:	Highest	channel				Polarization:		Vertical	
st Voltage:	AC 120	/60Hz				Environ	ment:	Temp: 24 ℃	Huni: 57%
110 Level (dBu) 91.7 73.3 55.0 36.7 18.3	//m)	~					2	FCC PAR	<u>Г 15 В-РК</u> Г 15 В -А∀-
02452				0		_			2500
	3 - 2000-	Antenna	Cable		ency (MH	Limit		Remark	
	l Level	Factor							
Free MH: 1 2483.50	l Level 	Factor	 3B 8.82	<u>98</u>	dBuV/m	dBuV/m 74.00	<u>48</u>		



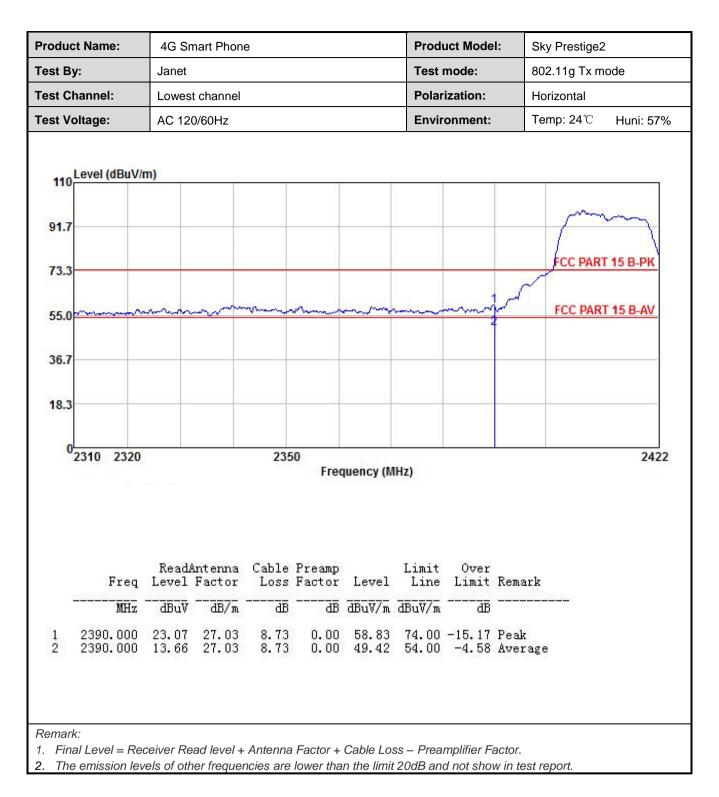
	4G Smart Phon	IE		Product M	odel:	Sky Prestige2	
est By:	Janet			Test mode	:	802.11b Tx m	ode
est Channel:	Highest channe			Polarizatio	n:	Horizontal	
est Voltage:	AC 120/60Hz			Environme	ent:	Temp: 24 ℃	Huni: 57%
110 Level (dBuV/n 91.7 73.3 55.0 36.7 18.3	n)					FCC PART 15 I	
0 2452		Freq	uency (MHz)	ģ.			2500
	ReadAntenna Level Factor	Cable Preamp Loss Factor	I Level	.imit Ove Line Limi			
	ReadAntenna Level Factor dBuV dB/m	Loss Factor	I Level dBuV/m dE	Line Limi	t Remark		



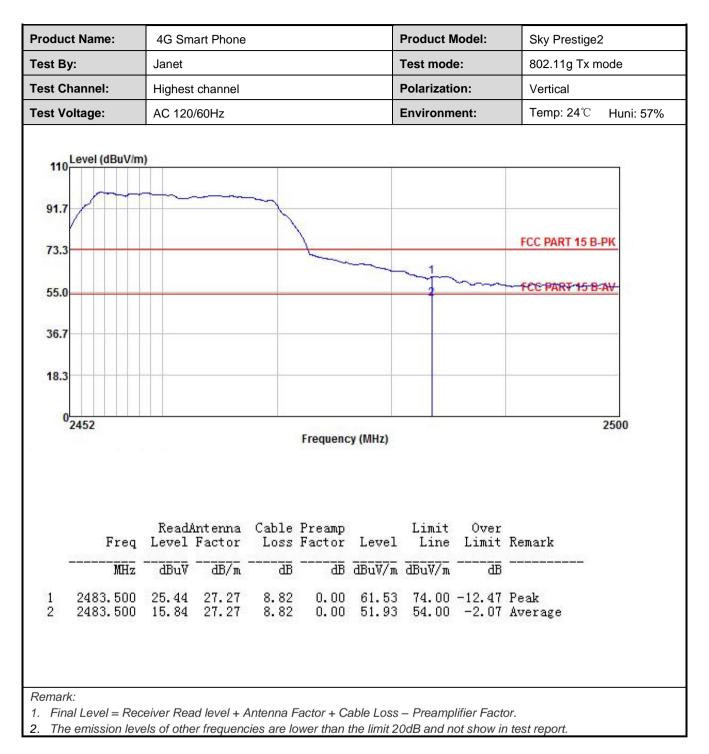
802.11g mode:

	t Name:	4G Sma	rt Phone			Р	roduct Mo	odel:	Sky Prestige2	
est By	:	Janet				Т	est mode		802.11g Tx m	ode
est Ch	annel:	Lowest c	hannel			Р	olarizatio	n:	Vertical	
est Vo	Itage:	AC 120/6	30Hz			E	nvironme	nt:	Temp: 24 ℃	Huni: 57%
91.7 73.3	evel (dBuV/m)	m		~~~~~			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2	FCC PART	
36.7				_						
18.3								-		
0 ^L 2	2310 2320			2350	Frequenc	cy <mark>(MHz)</mark>			1 99	2422
	Freq	Read/ Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark	
	Freq	Read/ Level dBuV	Factor	Cable Loss dB	Factor	Level dBuV/m	Line	Limit	Remark 	2

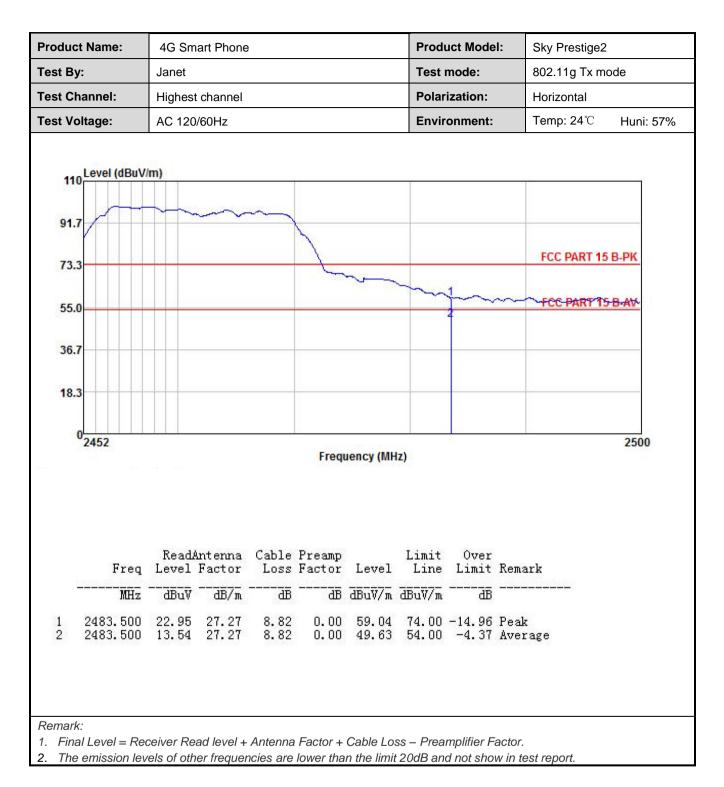










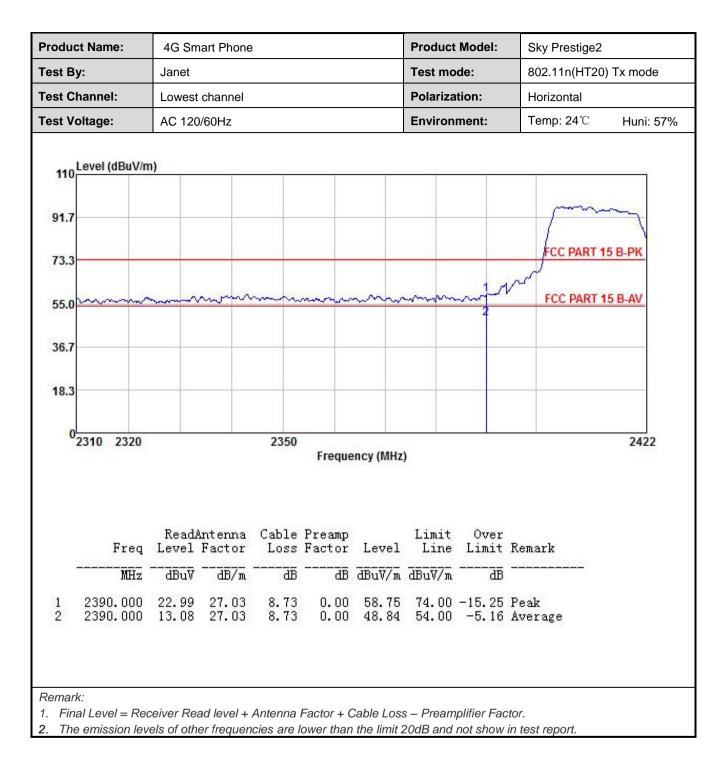




802.11n(HT20):

roduct Name:	4G Sma	art Phone				Produ	ct Mode	I: S	ky Prestige2	
est By:	Janet					Test n	node:	8	02.11n(HT20)) Tx mode
est Channel:	Lowest o	channel				Polari	zation:	Vertical		
est Voltage:	AC 120/0	60Hz				Enviro	onment:	Т	emp: 24℃	Huni: 57%
110 Level (dBuV/ 91.7 73.3 55.0 36.7	m)	mm	~~~~	m		×~~~~~			FCC PART	
18.3 0 2310 2320			235		quency (M	IHz)				2422
Freq	ReadA Level 1	ntenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark		
Freq MHz	Level 1	Factor	Cable Loss dB	Factor	Level dBuV/m	Line		Remark		

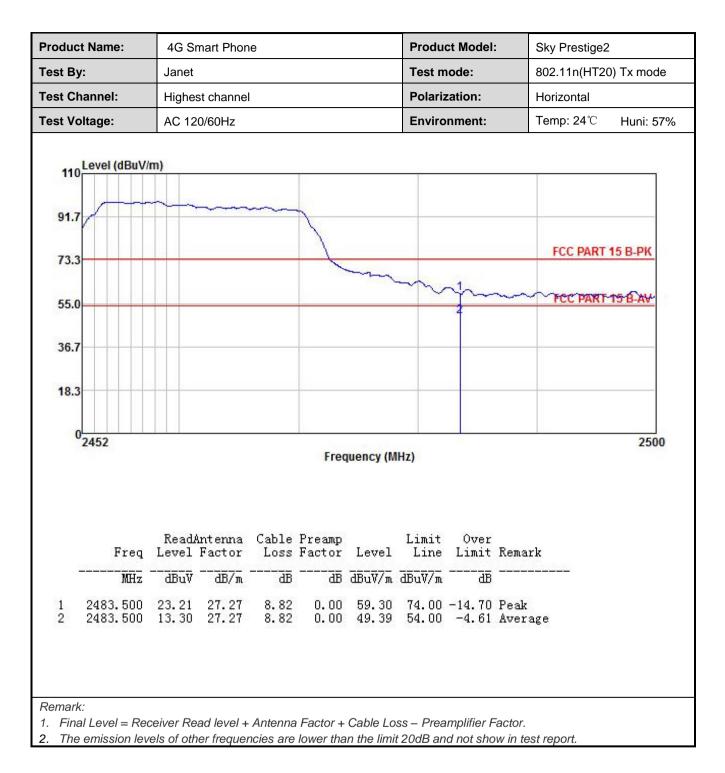






oduct Name:	4G Sma	art Phone)			Produ	ct Model:	Sky Prestige2	
est By:	Janet					Test m	node:	802.11n(HT20) Tx n	node
est Channel:	Highest	channel				Polaria	zation:	Vertical	
est Voltage:	AC 120/	/60Hz				Enviro	onment:	Temp: 24°C Hun	: 57%
110 Level (dBuV 91.7 73.3 55.0 36.7	/m)	~~~~			~~~		 2	FCC PART 15 B-P	
18.3 0 2452									
2432				Frequ	iency (MH	z)		2:	500
		ntenna	Cable	Preamp		Limit	Over	P 1	
Freq	ReadAr Level F	Factor	Loss	Factor	Level	Line	Limit	Kemark	
Freq	Level F		Loss dB			Line dBuV/m		Kemark	







6.7 Spurious Emission

6.7.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)					
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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.					
Test setup:						
Test Instruments:	Refer to section 5.9 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					
Measurement Data:	Refer to Appendix A - 2.4G WIFI					



6.7.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205						
Test Frequency Range:	9kHz to 25GHz						
Test Distance:	3m						
Receiver setup:	Frequency Dete		ctor	RBW	V	BW	Remark
	30MHz-1GHz	30MHz-1GHz Quasi-peak		120KHz)KHz	Quasi-peak Value
	Above 1GHz	Pea		1MHz	3MHz		Peak Value
						ЛНz	Average Value
Limit:	Frequency	Limit	t (dBuV/m @3	m)	Remark		
	30MHz-88MHz		40.0				uasi-peak Value
	88MHz-216MHz 216MHz-960MHz		43.5 46.0			Quasi-peak Value Quasi-peak Value	
	960MHz-1GH			54.0			uasi-peak Value
				54.0			Average Value
	Above 1GHz	<u> </u>		74.0			Peak Value
Test extern	 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 chamber. 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 th 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 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 subscience and the peak and the retest and the retest and the retest and the retest and the stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be retested one by one using peak, quasi-peak or subscience and the peak and the peak values of the EUT would be reported. 						eter chamber. position of the e-receiving height antenna neters above the trength. Both e set to make the to its worst case ter to 4 meters degrees to find the ction and dB lower than the peak values of that did not have
Test setup:	Below 1GHz	e 0.8m	4m				

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Report No: JYTSZB-R12-2100627

	Horn Antenna Tower Horn Antenna Tower Horn Antenna Tower Ground Reference Plane Test Receiver
Test Instruments:	Refer to section 5.9 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 lower than the limit 20dB, so only shows the data of above 30MHz in this report.

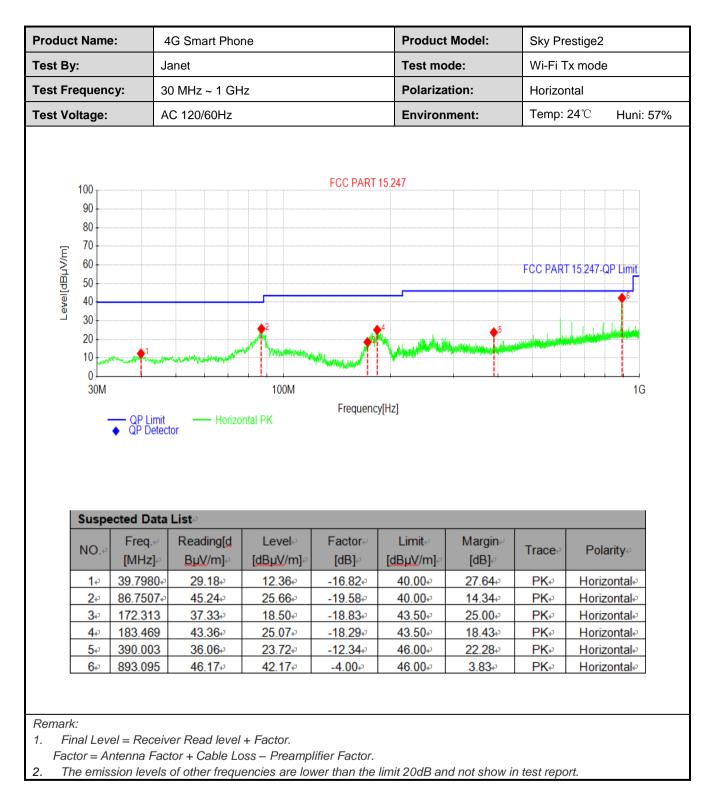


Measurement Data (worst case):

Below 1GHz:

Fest By:		4G Smart Phone			Product	Product Model:		Sky Prestige2		
	Ja	Janet			Test mo	Test mode: W		Wi-Fi Tx mode		
Test Frequend	cy: 30	30 MHz ~ 1 GHz			Polariza	Polarization:		Vertical		
Fest Voltage:	A	AC 120/60Hz			Environ	Environment:		Temp: 24℃ Huni: 57		
100 90 80 70 60 50 40 30 20 10	······································			FCC PART	15.247		FCC PART 1	15.247-QP Limit		
0 — 30M	QP Limit QP Detec	tor	100M	Frequenc	y[Hz]			1G		
30M -	QP Limit QP Detec	tor		Frequenc	y[Hz]		- F	1G		
30M -		tor		Frequenc Factor⊷ [dB]⊷	y[Hz] Limit⊬ [dBµV/m]₽	Margin∉ [dB]-∂	Trace	IG Polarity⊮		
30M Suspe NO.~ 1~	ected Data Freq.≁ [MHz]≠ 40.8651≠	tor List Reading[d BµV/m] 44.65	Level⊮ [dBµV/m]⊮ 27.74₽	Factor⊮ [dB]⊮ -16.91⊮	Limit⊮ [dBµV/m]₽ 40.00₽	[dB]∂ 12.26₽	PK₽	Polarity Vertical		
30M Suspe NO.≁ 1⊷ 2₊	ected Data Freq.∉ [MHz]∉ 40.8651₊ 86.7507↓	tor List Reading[d BµV/m] 44.65 53.83 2 3 3 2 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Level- [dBµV/m]- 27.74- 34.25-	Factor.↓ [dB]↓ -16.91↓ -19.58↓	Limit-/ [dBµV/m]-/ 40.00.0 40.00.0	[dB]- 12.26⊷ 5.75⊷	PK₽ PK₽	Polarity Vertical Vertical		
30M Suspe NO.≁ 1⊷ 2⊷ 3⊷	ected Data Freq.↓ [MHz]↓ 40.8651↓ 86.7507↓ 120.025	tor List. Reading[d BµV/m]↓ 44.65↓ 53.83↓ 40.48↓	Level [dBµV/m] 27.74 34.25 22.33	Factor↓ [dB]₀ -16.91↓ -19.58↓ -18.15↓	Limit- [dBµV/m]- 40.00. 40.00. 43.50.	[dB]∉ 12.26₽ 5.75₽ 21.17₽	PKe PKe PKe	Polarity Vertical Vertical Vertical		
30M Suspe NO.≁ 1⊷ 2₊	Ected Data Freq.4 [MHz].0 40.8651.4 86.7507.4 120.025 182.402	List Reading[d BµV/m] 44.65 53.83 40.48 44.18	Level [dBµV/m] 27.74 34.25 22.33 25.79	Factor⊮ [dB]∞ -16.91+ -19.58+ -18.15+ -18.39+	Limit-/ [dBµV/m]-/ 40.00-/ 40.00-/ 43.50-/ 43.50-/	[dB] 12.26 5.75 21.17 17.71 17.71	PKe PKe PKe PKe	Polarity. Vertical. Vertical. Vertical. Vertical.		
30M Suspe NO.≁ 1⊷ 2⊷ 3⊷	ected Data Freq.↓ [MHz]↓ 40.8651↓ 86.7507↓ 120.025	tor List. Reading[d BµV/m]↓ 44.65↓ 53.83↓ 40.48↓	Level [dBµV/m] 27.74 34.25 22.33	Factor↓ [dB]₀ -16.91↓ -19.58↓ -18.15↓	Limit- [dBµV/m]- 40.00. 40.00. 43.50.	[dB]∉ 12.26₽ 5.75₽ 21.17₽	PKe PKe PKe	Polarity Vertical Vertical Vertical		







Above 1GHz

			802.11b			
		Test ch	annel: Lowest ch	nannel		
		Det	tector: Peak Valu	le	-	•
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	56.28	-10.33	45.95	74.00	28.05	Vertical
4824.00	56.90	-10.33	46.57	74.00	27.43	Horizontal
		Dete	ctor: Average Va	alue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	48.37	-10.33	38.04	54.00	15.96	Vertical
4824.00	49.03	-10.33	38.70	54.00	15.30	Horizontal
			annel: Middle ch			
_		Det	tector: Peak Valu			
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	56.68	-10.17	46.51	74.00	27.49	Vertical
4874.00	56.63	-10.17	46.46	74.00	27.54	Horizontal
		Dete	ctor: Average Va	alue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	48.20	-10.17	38.03	54.00	15.97	Vertical
4874.00	48.64	-10.17	38.47	54.00	15.53	Horizontal
		Test cha	annel: Highest cl	nannel		
		Det	tector: Peak Valu	le		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	56.65	-10.02	46.63	74.00	27.37	Vertical
4924.00	57.28	-10.02	47.26	74.00	26.74	Horizontal
		Dete	ctor: Average Va	alue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	49.05	-10.02	39.03	54.00	14.97	Vertical
4924.00	49.20	-10.02	39.18	54.00	14.82	Horizontal
	Receiver Read level levels of other frequ		er than the limit 20	dB and not show in te	est report.	



			802.11g			
			annel: Lowest ch			
	T	Det	tector: Peak Valu			
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarizatio
4824.00	56.16	-10.33	45.83	74.00	28.17	Vertical
4824.00	57.38	-10.33	47.05	74.00	26.95	Horizonta
		Dete	ctor: Average Va	lue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarizatio
4824.00	48.65	-10.33	38.32	54.00	15.68	Vertical
4824.00	49.42	-10.33	39.09	54.00	14.91	Horizonta
			annel: Middle ch			
	T	Det	ector: Peak Valu	le	1	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarizatio
4874.00	55.95	-10.17	45.78	74.00	28.22	Vertical
4874.00	57.38	-10.17	47.21	74.00	26.79	Horizonta
		Dete	ctor: Average Va	lue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarizatio
4874.00	48.24	-10.17	38.07	54.00	15.93	Vertical
4874.00	49.42	-10.17	39.25	54.00	14.75	Horizonta
		Test cha	annel: Highest ch	nannel		
		Det	ector: Peak Valu	ie		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarizatio
4924.00	56.21	-10.02	46.19	74.00	-27.81	Vertical
4924.00	57.81	-10.02	47.79	74.00	-26.21	Horizonta
		Dete	ctor: Average Va	lue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarizatio
4924.00	48.68	-10.02	38.66	54.00	15.34	Vertical
4924.00	49.87	-10.02	39.85	54.00	14.15	Horizonta

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



			802.11n(HT20)			
			annel: Lowest ch			
_		Det	tector: Peak Valu			
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarizatio
4824.00	56.65	-10.33	46.32	74.00	27.68	Vertical
4824.00	57.75	-10.33	47.42	74.00	26.58	Horizonta
		Dete	ctor: Average Va	lue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarizatio
4824.00	48.52	-10.33	38.19	54.00	15.81	Vertical
4824.00	48.26	-10.33	37.93	54.00	16.07	Horizonta
		Test ch	annel: Middle ch	annel		
			tector: Peak Valu			
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarizatio
4874.00	56.95	-10.17	46.78	74.00	27.22	Vertical
4874.00	57.48	-10.17	47.31	74.00	26.69	Horizonta
		Dete	ctor: Average Va	lue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarizatio
4874.00	48.06	-10.17	37.89	54.00	16.11	Vertical
4874.00	47.88	-10.17	37.71	54.00	16.29	Horizonta
		Test cha	annel: Highest cl	nannel		
			tector: Peak Valu			
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarizatio
4924.00	56.99	-10.02	46.97	74.00	27.03	Vertical
4924.00	57.89	-10.02	47.87	74.00	26.13	Horizonta
		Dete	ctor: Average Va	llue		1
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarizatio
4924.00	48.68	-10.02	38.66	54.00	15.34	Vertical
4924.00	48.31	-10.02	38.29	54.00	15.71	Horizonta

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