

Report No: JYTSZB-R12-2100784

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:	Tablet
Model No.:	Elite Octa
Trade mark:	SKY Devices
FCC ID:	2ABOSSKYELIOCTA
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Date of sample receipt:	10 May, 2021
Date of Test:	11 May, to 03 Jun., 2021
Date of report issued:	15 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.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Version 2

Version No.	Date	Description
00	08 Jun., 2021	Original
01	15 Jun., 2021	1. Updated calculate data of 802.11g on page 35.

Tested by:

Janet Wei Test Engineer

Date: 15 Jun., 2021

Reviewed by:

Winner Thang

Project Engineer

15 Jun., 2021 Date:

Project No.: JYTSZE2105040



3 Contents

	Page
1 COVER PAGE	1
2 VERSION	
3 CONTENTS	
4 TEST SUMMARY	4
5 GENERAL INFORMATION	5
5.1 Client Information	5
5.2 GENERAL DESCRIPTION OF E.U.T	5
5.3 TEST ENVIRONMENT AND MODE	6
5.4 DESCRIPTION OF SUPPORT UNITS	6
5.5 MEASUREMENT UNCERTAINTY	6
5.6 LABORATORY FACILITY	6
5.7 LABORATORY LOCATION	
5.8 TEST INSTRUMENTS LIST	7
6 TEST RESULTS AND MEASUREMENT DATA	9
6.1 ANTENNA REQUIREMENT	9
6.2 CONDUCTED EMISSION	
6.3 CONDUCTED OUTPUT POWER	
6.4 OCCUPY BANDWIDTH	14
6.5 Power Spectral Density	
6.6 BAND EDGE	16
6.6.1 Conducted Emission Method	16
6.6.2 Radiated Emission Method	17
6.7 Spurious Emission	
6.7.1 Conducted Emission Method	
6.7.2 Radiated Emission Method	31
7 TEST SETUP PHOTO	37
8 EUT CONSTRUCTIONAL DETAILS	



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		Appendix A – 2.4G Wi-Fi	Pass
Radiated Band Edge	15.247 (d)	See Section 6.6.2	Pass
Conducted Spurious Emission		Appendix A – 2.4G Wi-Fi	Pass
Radiated Spurious Emission	15.205 & 15.209	See Section 6.7.2	Pass

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:	Tablet
Model No.:	Elite Octa
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:	0.5 dBi
Power supply:	Rechargeable Li-ion Battery DC3.7V, 2000mAh
AC adapter:	Input: AC100-240V, 50/60Hz, 0.3A Output: DC 5.0V, 1500mA
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

Operation Frequency each of channel for 802.11b/g/n(HT20)							
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		
Note:							

1. For 802.11n-HT40 mode, the channel number is from 3 to 9;

2. Channel 1, 6 & 11 selected for 802.11b/g/n-HT20 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:

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-JYTee@lets.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
10m SAC	ETS	RFSD-100-F/A	Q2005	03-31-2021	04-01-2024
BiConiLog Antenna	SCHWARZBECK	VULB 9168	1249	03-31-2021	04-01-2022
BiConiLog Antenna	SCHWARZBECK	VULB 9168	1250	03-31-2021	04-01-2022
EMI Test Receiver	R&S	ESR 3	102800	04-06-2021	04-07-2022
EMI Test Receiver	R&S	ESR 3	102802	04-06-2021	04-07-2022
Pre-amplifier	Bost	LNA 0920N	2016	04-06-2021	04-07-2022
Pre-amplifier	Bost	LNA 0920N	2019	04-06-2021	04-07-2022
Test Software	R&S	EMC32		Version: 10.50.40	

Conducted Emission:					
Test Equipment	pment Manufacturer Model No. Serial		Serial No.	Cal. Date	Cal. Due date
			oonan to:	(mm-dd-yy)	(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	N	/ersion: 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

JianYan Testing Group Shenzhen Co., Ltd. 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. Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366

Project No.: JYTSZE2105040



Report No: JYTSZB-R12-2100784

PDU	MWRF-test	XY-G10	N/A	N/A	N/A
Test Software	MWRF-tes	MTS 8310		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:							
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 0.5 dBi.	nal antenna which cannot replace by end-user, the best case gain of the						



6.2 Conducted Emission

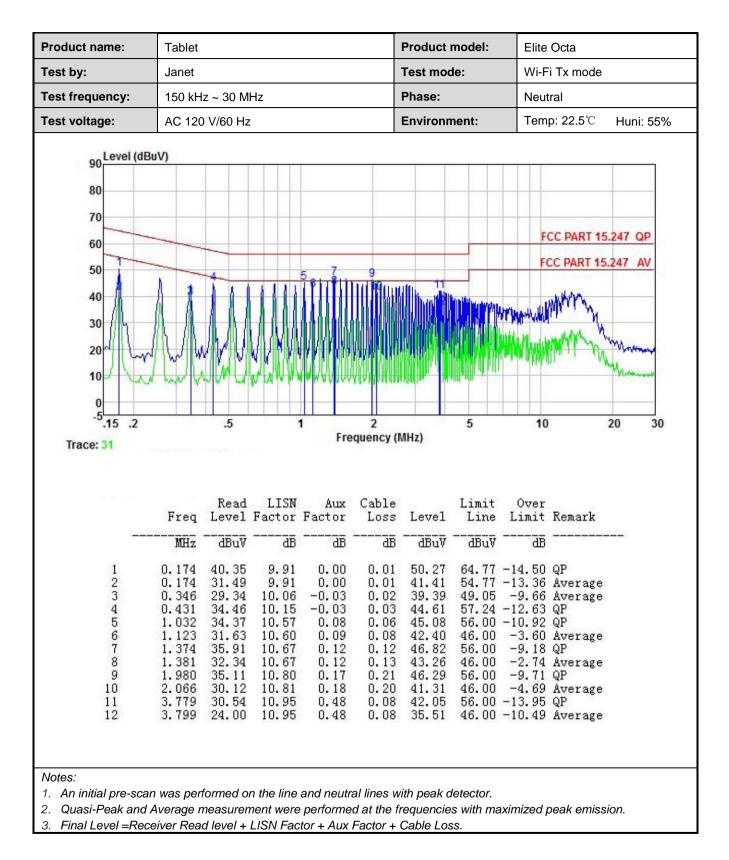
Test Requirement:	FCC Part 15 C Section 15.207						
Test Frequency Range:	150 kHz to 30 MHz						
Class / Severity:	Class B						
Receiver setup:	RBW=9 kHz, VBW=30 kHz						
Limit:	Frequency range (MHz)						
		Quasi-peak	Average				
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	5-30	60	50				
	* Decreases with the logarit						
Test procedure	 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 500hm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance with 500hm 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 C63.10(latest version) on conducted measurement. 						
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:

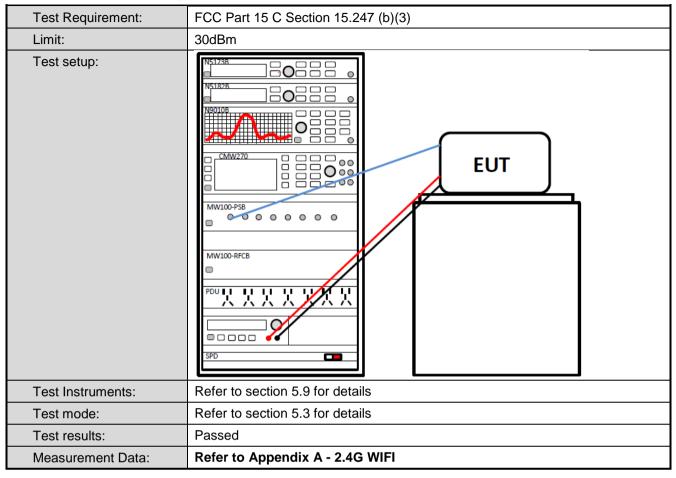
	Tablet	Tablet			Product	model:	Elite Octa			
ſest by:	Janet				Test mo	de:	Wi-Fi Tx mode	Wi-Fi Tx mode		
Test frequency:	150 kHz	150 kHz ~ 30 MHz AC 120 V/60 Hz		Phase:		Line	Line			
fest voltage:	AC 120				Environ	ment:	Temp: 22.5 ℃	Huni: 55%		
70 60 50 40 30 20 10							FCC PART 15			
-5 .15 .2		.5	1	2	MU ₇)	5	10	20 30		
E .	Freq	Read	1	Frequency(5 Limit Line	10 Over Limit Remark	20 30		
-5.15 .2	Freq	Read	LISN Au	requency(x Cable r Loss		Limit	Over	20 30		





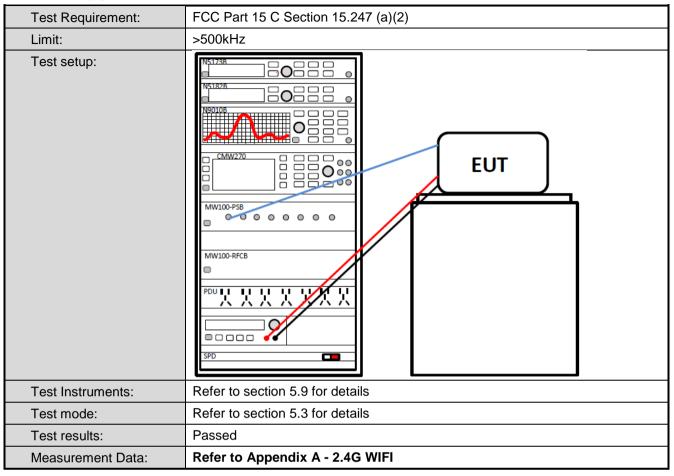


6.3 Conducted Output Power



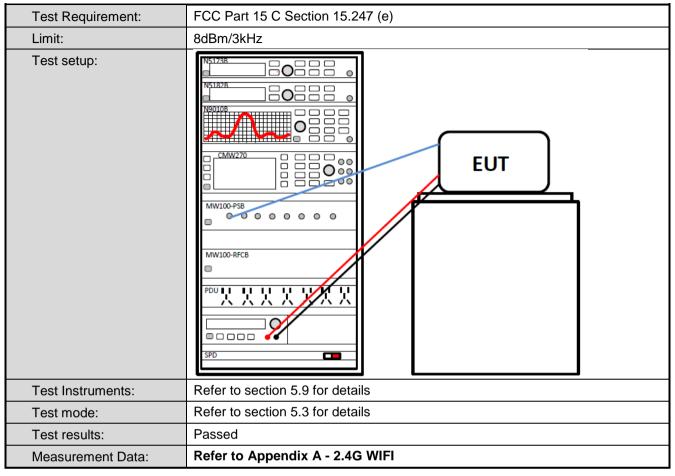


6.4 Occupy Bandwidth





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

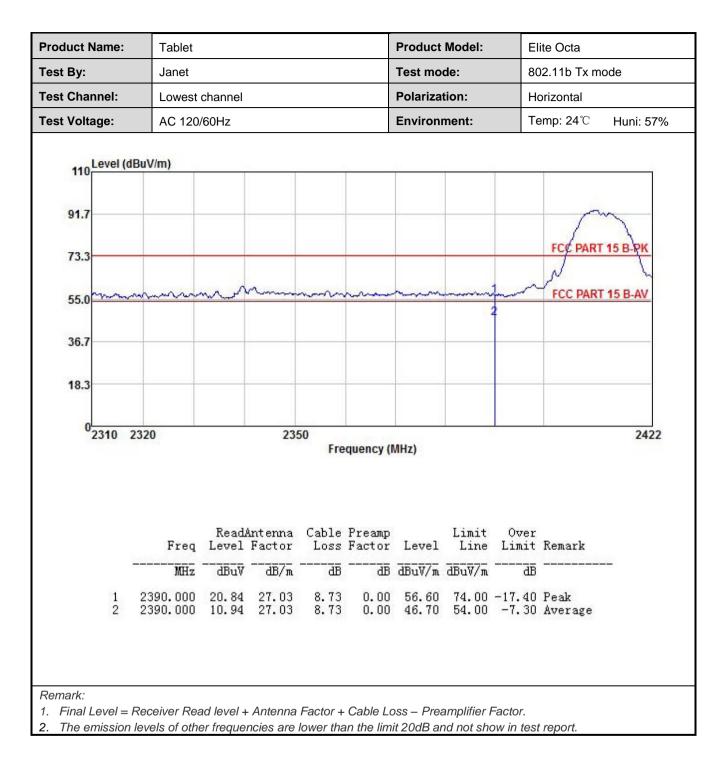
Test Requirement:	FCC Part 15 C Section 15.209 and 15.205						
Test Frequency Range:	2310 MHz to 2390) MHz and 24	483.5 MHz to 2	500 MHz			
Test Distance:	3m						
Receiver setup:	Frequency	Detector	RBW	VBW	Remark		
	Above 1GHz	Peak	1MHz	3MHz	Peak Value		
L inste	RMS 1MHz 3MHz Average Value Frequency Limit (dBuV/m @3m) Remark						
Limit:							
	Above 1GHz 74.00 Peak Value						
Test Procedure:	 the ground at determine the The EUT was antenna, whic tower. The antenna ground to det horizontal and measuremen For each sus and then the and the rota t maximum rea The test-rece Specified Bar If the emission limit specified the EUT wou 10dB margin 	a 3 meter ca e position of s set 3 meter ch was mour height is var cermine the n d vertical pol t. pected emise antenna was table was tur ading. viver system dwidth with on level of the d, then testing ld be reporte would be re-	the highest radi s away from the need on the top ied from one m naximum value arizations of the sion, the EUT w s tuned to heigh ned from 0 deg was set to Peal Maximum Hold e EUT in peak r g could be stop ed. Otherwise th	ble was rotate iation. e interference of a variable- eter to four m of the field st e antenna are vas arranged its from 1 me irees to 360 d k Detect Fund Mode. node was 100 ped and the p ine emissions one using pea	ed 360 degrees to e-receiving height antenna neters above the trength. Both e set to make the to its worst case ter to 4 meters legrees to find the ction and dB lower than the peak values of that did not have ak, quasi-peak or		
Test setup:		AE EUT (Turntable)	Horn 3m Ground Reference Plane Receiver	Antenna Tow	ver		
Test Instruments:	Refer to section 5	.9 for details					
Test mode:	Refer to section 5	.3 for details					
Test results:	Passed						



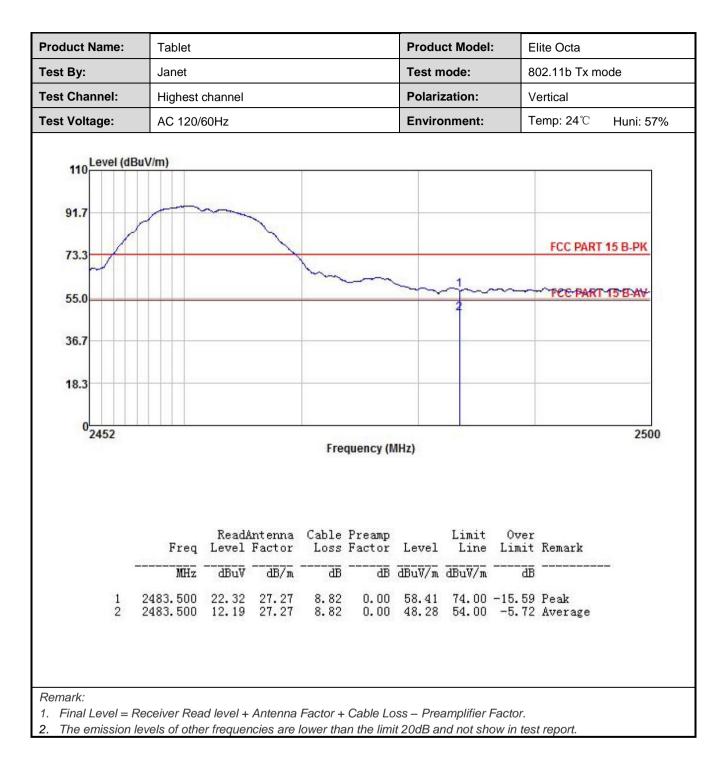
802.11b mode:

	Tablet	Tablet Janet Lowest channel AC 120/60Hz			Produ	ct Model	: EI	Elite Octa		
est By:	Janet				Test mode:			802.11b Tx mode		
est Channel:	Lowest cl				Polaria	zation:	Ve	Vertical		
est Voltage:	AC 120/6				Enviro	onment:	Te	emp: 24℃	Huni: 57%	
110 Level (0 91.7 73.3 55.0 36.7	iBuV/m)	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~			2	FCC PART	ſ	
40 2										
18.3										
0 2310	2320			quency (I		Limit	Over		2422	
0		2: ReadAntenna Level Factor	Fre Cable	Preamp		Limit Line			2422	
0		ReadAntenna	Fre Cable Loss	Preamp Factor	Level		Limit	Remark	2422	

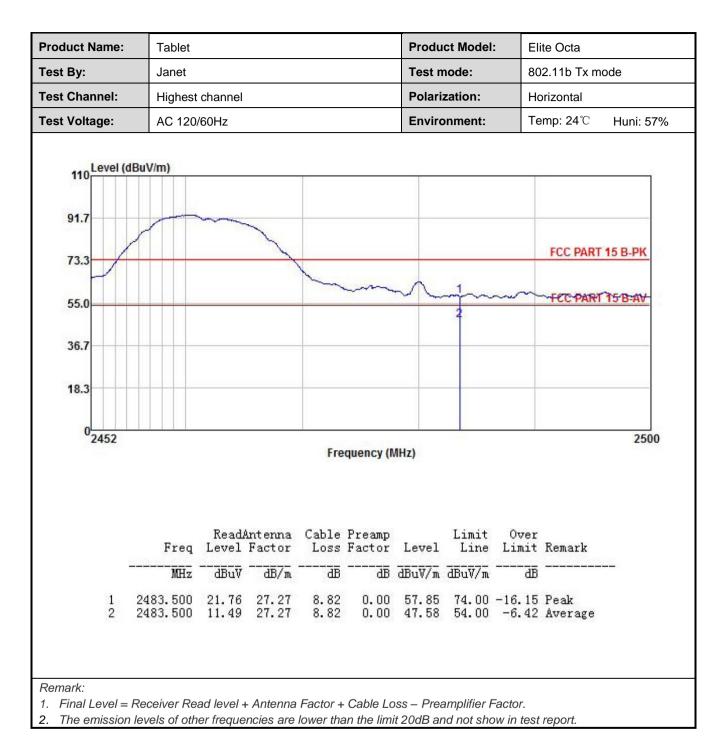










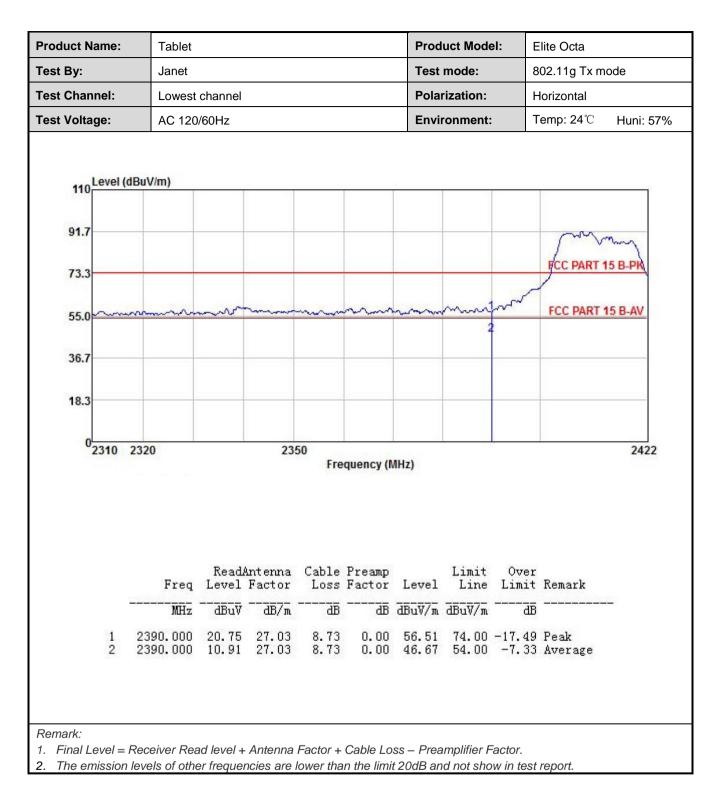




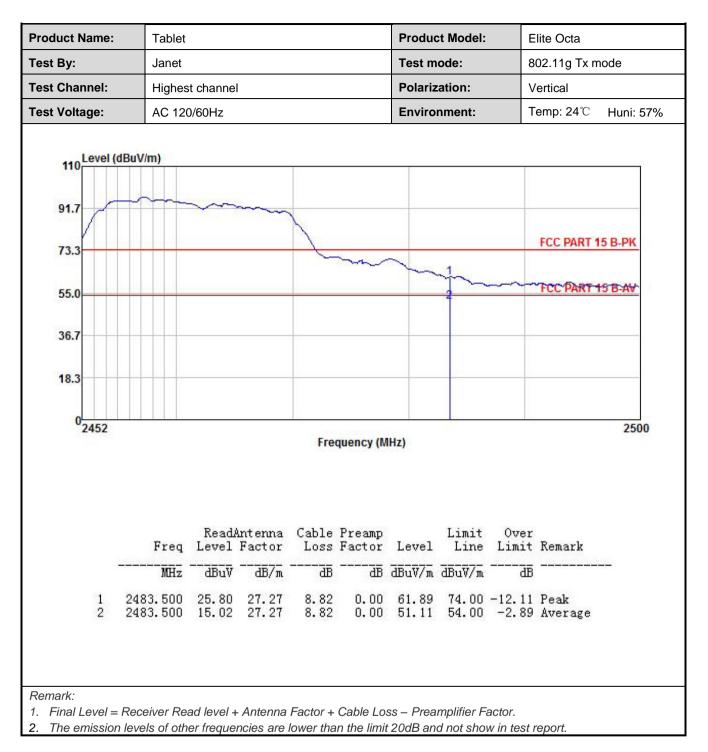
802.11g mode:

	Tablet	Tablet				Produ	uct Mode	el: E	Elite Octa		
est By:	Janet					Test	mode:	8	802.11g Tx mode		
Fest Channel:	Lowest channel					Polar	ization:	V	Vertical		
Test Voltage:	AC 120/	AC 120/60Hz				Envir	onment:	Т	emp: 24 ℃	Huni: 57%	
110 Level (dE	3uV/m)								1		
91.7									m	~~~	
73.3									CC PART	15 B-PK	
55.0	hunn		m	~~~·	m	m	mm	2	FCC PART	15 B-AV	
36.7											
18.3											
02310 2	320		235		quency (N	AHz)			7	2422	
			ntenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark		
	Freq					JP	dBuV/m	āā			
	Freq MHz	₫₿u℣	dB/m	dB	dB	maa a w					
1 2			dB/m 27.03 27.03	dB 8.73 8.73	0.00		74.00	-15.99	Peak Average		

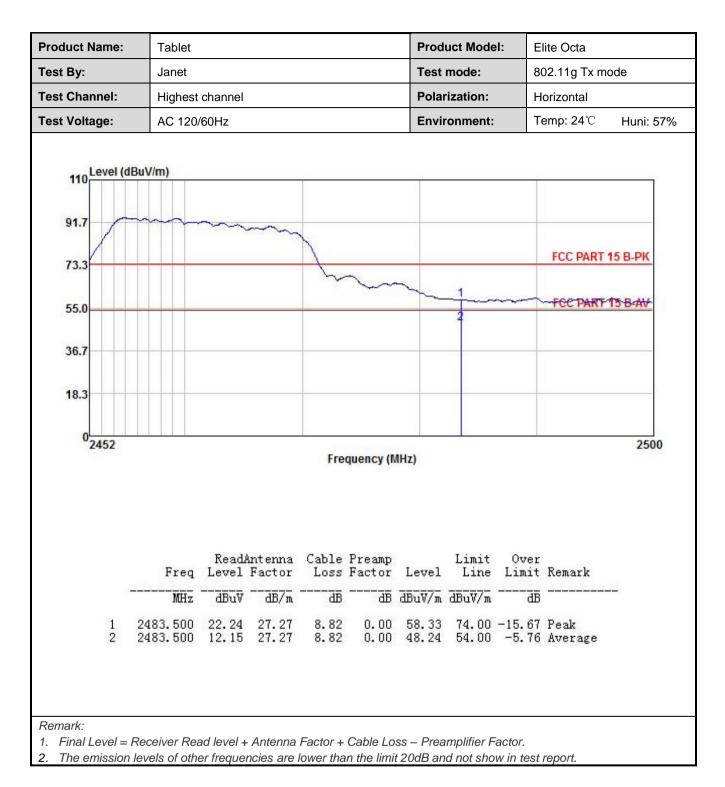










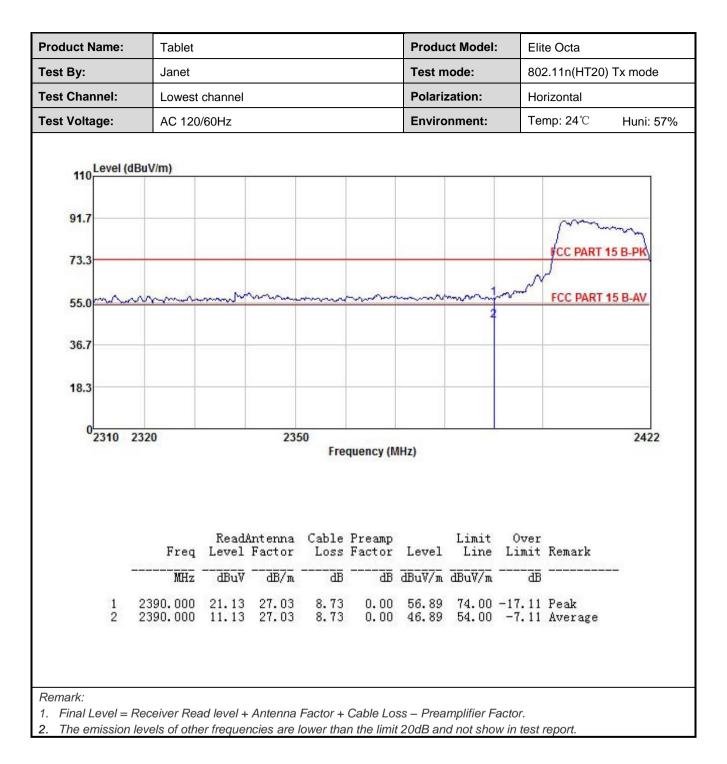




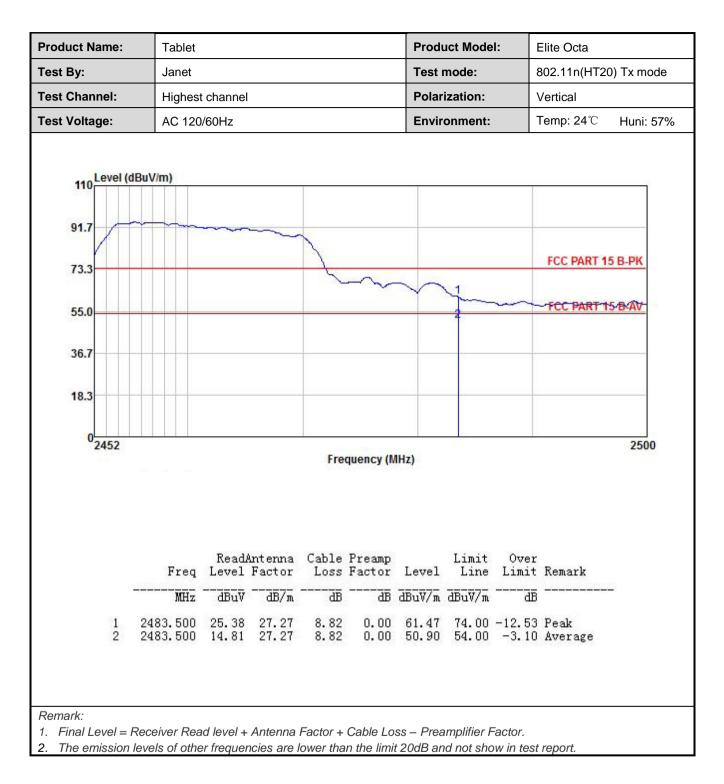
802.11n(HT20):

	Tablet	Tablet			Produ	ct Mode	: E	Elite Octa	
est By:	Janet	Janet			Test mode: 8			802.11n(HT20) Tx mode	
est Channel:	Lowest ch			Polarization:			Vertical		
est Voltage:	AC 120/60			Enviro	onment:	Т	emp: 24°C	Huni: 57%	
110	BuV/m)					1			1
91.7			_					Junior	m
73.3			_						15 B-PK
55.0	aman	man	m	m	m	~~~~	h	FCC PART	15 B-AV
36.7									
18.3					·				
0 ²³¹⁰ 2	2320		2350 Fre	quency (I	MHz)				2422
		Readúntes	nna Cable	Presmo		Limit	Over		
	Freq	Level Fac	tor Loss	Factor	Level	Line	Limit		
	MHz	dBuV dl	8/mdB	dB	dBuV/m	dBuV/m	dB		- 3
	JILLZ				E0 94	74 00	-14.16	Peak	
1 2	2390.000	24.08 27. 14.09 27.	.03 8.73 .03 8.73	0.00 0.00	49.84 49.85	54.00	-4.15	Average	

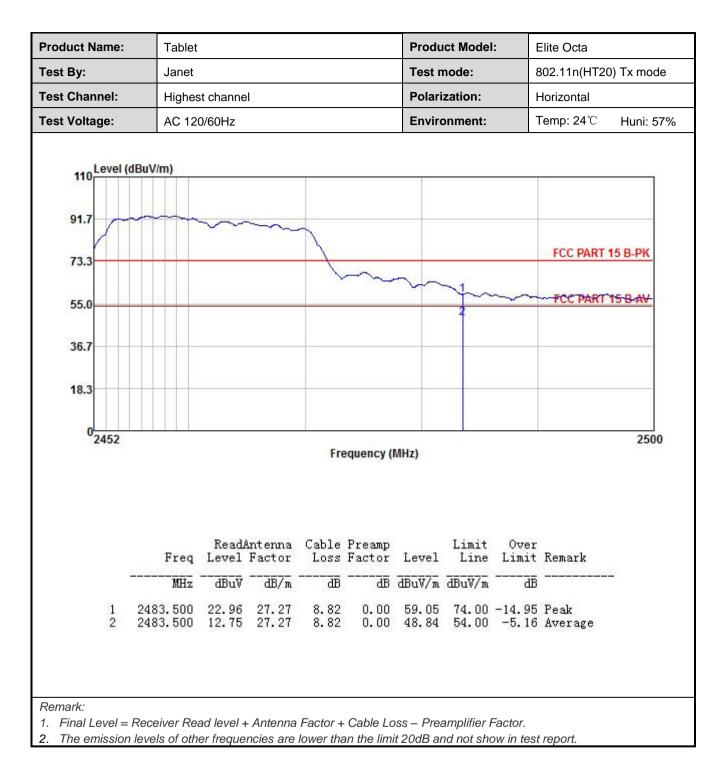














6.7 Spurious Emission

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 Se	ction 15	.209 an	d 15.205				
Test Frequency Range:	9kHz to 25GHz							
Test Distance:	3m							
Receiver setup:	Frequency	Dete	ctor	RBW	V	BW	Remark	
	30MHz-1GHz	Quasi-	peak	120KHz	300	KHz Quasi-peak Value		
	Above 1GHz	Pea	ak	1MHz	31	ЛНz	Peak Value	
	Above TGHZ	RM		1MHz	3MHz		Average Value	
Limit:	Frequency		Limit	(dBuV/m @10)m)		Remark	
	30MHz-88MH		40.0			Quasi-peak Value		
	88MHz-216MHz		43.5			Quasi-peak Value		
	216MHz-960M			46.0		Quasi-peak Value		
	960MHz-1GH	Z		54.0		Q	uasi-peak Value	
	Frequency		Limi	t (dBuV/m @3	m)		Remark	
	Above 1GHz			54.0			Average Value	
Test Procedure:	1. The EUT wa			74.0			Peak Value table 0.8m(below	
Test setup:	 1GHz)/1.5m(above 1GHz) above the ground at a 10 meter chamber (below 1GHz)or 3 meter chamber(above 1GHz). The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 10 meters(below 1GHz) or 3 meters(above 1GHz) 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 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. 							
	Below 1GHz		4m 4m 1m			Ante Searc Anter RF Test Receive	nna	

Project No.: JYTSZE2105040



Report No: JYTSZB-R12-2100784

	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:

Product Name:	Tablet Janet			Product Model: Test mode:		Elite Octa Wi-Fi Tx mode		
Гest By:								
Test Frequency:	30 MHz ~ 1 GH	30 MHz ~ 1 GHz			:	Vertical & Horizontal		
Test Voltage:	AC 120/60Hz		E	invironmer	nt:	Temp: 24°C Huni: 5		
		Full	Spectrum					
45 -						FCC PART 15	5.247 10 m	
							Γ	
40-								
+								
30-								
Level in dBµV/							*	
						* 7	PH	
					1.	different and		
	a phan the state of the second se							
30M	50 60	80 100M	200	300	400	500	800 1G	
		Fi	requency in H	lz				
 Frequer (MHz 			Margin↓ (dB)⊷ੋ	Height∔ (cm)₀	Pol₄	Azimuth↓ (deg)⊮	ې (dB/m)⊷	
 56.6750 	00e ² 23.53e	30.00	6.47 ₽	100.0 ⊷	H₽	350.0 ₽	- 16.5 ~	
 76.7540 	i00⊷ 11.91∢	30.00+2	18.09 ₽	100.0 42	H₽	0.0 ₽	- 19.8 ~	
	000⊷ 13.86 «	33.50 ₽	19.64 ~	100.0 ₽	H₽	0.0 ₽	- 16.9 ~	
 125.351 		36.00⊷	13.40 ₽	100.0 ₽	V	254.0 ₽	- 7.5 0 °	
125.351562.530	000⊷ 22.60∢							
		36.00₽	12.32 ₽	100.0 ₽	V	143.0 ₽	- 5.1 ~	

Remark:

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

- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.
- 3. The Aux Factor is a notch filter switch box loss, this item is not used.



Above 1GHz

			802.11b			
			annel: Lowest ch tector: Peak Valu			
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	55.86	-10.33	45.53	74.00	28.47	Vertical
4824.00	56.74	-10.33	46.41	74.00	27.59	Horizonta
		Dete	ctor: Average Va	llue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	49.73	-10.33	39.40	54.00	14.60	Vertical
4824.00	50.94	-10.33	40.61	54.00	13.39	Horizonta
		Test ch	annel: Middle ch	annel		
		Det	tector: Peak Valu	ie		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	55.76	-10.17	45.59	74.00	28.41	Vertical
4874.00	57.15	-10.17	46.98	74.00	27.02	Horizonta
		Dete	ctor: Average Va	llue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	50.07	-10.17	39.90	54.00	14.10	Vertical
4874.00	51.15	-10.17	40.98	54.00	13.02	Horizonta
		Test cha	annel: Highest cł	nannel		
	T	Det	tector: Peak Valu		T	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4924.00	55.77	-10.02	45.75	74.00	28.25	Vertical
4924.00	57.30	-10.02	47.28	74.00	26.72	Horizonta
	I	Dete	ctor: Average Va	llue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4924.00	49.69	-10.02	39.67	54.00	14.33	Vertical
4924.00	51.31	-10.02	41.29	54.00	12.71	Horizonta

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



			802.11g			
			annel: Lowest ch			
	I	De	tector: Peak Valu		T	1
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	55.43	-10.33	45.10	74.00	28.90	Vertical
4824.00	57.22	-10.33	46.89	74.00	27.11	Horizonta
		Dete	ctor: Average Va	alue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	50.01	-10.33	39.68	54.00	14.32	Vertical
4824.00	50.61	-10.33	40.28	54.00	13.72	Horizonta
		Toot ob	annel: Middle ch	annal		
			tector: Peak Valu			
Fraguanay	Read Laval	De			Morgin	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	55.07	-10.17	44.90	74.00	29.10	Vertical
4874.00	56.76	-10.17	46.59	74.00	27.41	Horizonta
		Dete	ctor: Average Va	lue	-	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	50.35	-10.17	40.18	54.00	13.82	Vertical
4874.00	50.34	-10.17	40.17	54.00	13.83	Horizonta
		Test ch	annel: Highest cl	nannel		
		Det	tector: Peak Valu	ie		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4924.00	55.16	-10.02	45.14	74.00	-28.86	Vertical
4924.00	56.79	-10.02	46.77	74.00	-27.23	Horizonta
		Dete	ctor: Average Va	alue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4924.00	49.84	-10.02	39.82	54.00	14.18	Vertical
4924.00	50.66	-10.02	40.64	54.00	13.36	Horizonta
emark: Final Level =	Receiver Read leve	+ Factor.		dB and not show in te		



			802.11n(HT20)	annal		
			annel: Lowest ch tector: Peak Valu			
Fraguanay	Read Level	De	Level	Limit Line	Morgin	
Frequency (MHz)	(dBuV)	Factor(dB)	(dBuV/m)	(dBuV/m)	Margin (dB)	Polarizatio
4824.00	56.08	-10.33	45.75	74.00	28.25	Vertical
4824.00	57.08	-10.33	46.75	74.00	27.25	Horizonta
		Dete	ctor: Average Va	lue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4824.00	49.45	-10.33	39.12	54.00	14.88	Vertical
4824.00	51.28	-10.33	40.95	54.00	13.05	Horizonta
			annel: Middle ch			
		Det	ector: Peak Valu		T	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	55.69	-10.17	45.52	74.00	28.48	Vertical
4874.00	56.65	-10.17	46.48	74.00	27.52	Horizonta
		Dete	ctor: Average Va	lue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4874.00	49.16	-10.17	38.99	54.00	15.01	Vertical
4874.00	51.73	-10.17	41.56	54.00	12.44	Horizonta
		Tost sh	annel: Highest ch			
			ector: Peak Valu			
	Deedlevel	Dei			Morgin	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4924.00	55.99	-10.02	45.97	74.00	28.03	Vertical
4924.00	56.34	-10.02	46.32	74.00	27.68	Horizonta
	1	Dete	ctor: Average Va	lue	1	-1
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarizatio
4924.00	49.63	-10.02	39.61	54.00	14.39	Vertical
4924.00	51.47	-10.02	41.45	54.00	12.55	Horizonta

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