

# JianYan Testing Group Shenzhen Co., Ltd.

Report No: JYTSZB-R12-2101651

# **FCC REPORT**

(Bluetooth)

Applicant: SKY PHONE LLC

Address of Applicant: 1348 Washington Av. Suite 350, Miami Beach, FL 33139

**Equipment Under Test (EUT)** 

Product Name: Tablet

Model No.: Elite OctaMax

Trade mark: SKY DEVICES

FCC ID: 2ABOSSKYELIOCTAMX

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: 25 Aug., 2021

**Date of Test:** 25 Aug., to 13 Sep., 2021

Date of report issued: 14 Sep., 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.

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# 2 Version

Version No.	Date	Description
00	14 Sep., 2021	Original

Tested by:	Mike.ou	Date:	14 Sep., 2021
	Test Engineer		
	1. Timer Thang		

Reviewed by: Date: 14 Sep., 2021

Project Engineer





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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
Conducted Peak Output Power	15.247 (b)(1)	Appendix A – BT	Pass
20dB Occupied Bandwidth	15.247 (a)(1)	Appendix A – BT	Pass
Carrier Frequencies Separation	15.247 (a)(1)	Appendix A – BT	Pass
Hopping Channel Number	15.247 (a)(1)	Appendix A – BT	Pass
Dwell Time	15.247 (a)(1)	Appendix A – BT	Pass
Conducted Band Edge	45 005 8 45 000	Appendix A – BT	Pass
Radiated Band Edge	15.205 & 15.209	See Section 6.9.2	Pass
Conducted Spurious Emission	45.047(-1)	Appendix A – BT	Pass
Radiated Spurious Emission	15.247(d)	See Section 6.10.2	Pass

### Remark:

- 1. Pass: The EUT complies with the essential requirements in the standard.
- 2. N/A: Not Applicable.
- 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

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# **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 OctaMax
Operation Frequency:	2402MHz~2480MHz
Transfer rate:	1/2/3 Mbits/s
Number of channel:	79
Modulation type:	GFSK, π/4-DQPSK, 8DPSK
Modulation technology:	FHSS
Antenna Type:	Internal Antenna
Antenna gain:	-1.2 dBi
Power supply:	Rechargeable Li-ion Battery DC 3.7V, 4000mAh
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.

Operation	Operation Frequency each of channel for GFSK, π/4-DQPSK, 8DPSK						
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	20	2422MHz	40	2442MHz	60	2462MHz
1	2403MHz	21	2423MHz	41	2443MHz	61	2463MHz
2	2404MHz	22	2424MHz	42	2444MHz	62	2464MHz
3	2405MHz	23	2425MHz	43	2445MHz	63	2465MHz
4	2406MHz	24	2426MHz	44	2446MHz	64	2466MHz
5	2407MHz	25	2427MHz	45	2447MHz	65	2467MHz
15	2417MHz	35	2437MHz	55	2457MHz	75	2477MHz
16	2418MHz	36	2438MHz	56	2458MHz	76	2478MHz
17	2419MHz	37	2439MHz	57	2459MHz	77	2479MHz
18	2420MHz	38	2440MHz	58	2460MHz	78	2480MHz
19	19 2421MHz 39 2441MHz 59 2461MHz						
Remark: Cha	Remark: Channel 0, 39 &78 selected for GFSK, π/4-DQPSK and 8DPSK.						

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## 5.3 Test environment and mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test Modes:	
Non-hopping mode:	Keep the EUT in continuous transmitting mode with worst case data rate.
Hopping mode:	Keep the EUT in hopping mode.
Remark	GFSK (1 Mbps) is the worst case mode.

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.

# 5.4 Description of Support Units

The EUT has been tested as an independent unit.

## 5.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%)
Conducted Emission (9kHz ~ 150KHz) for V-AMN	3.11 dB
Conducted Emission (150kHz ~ 30MHz) for V-AMN	2.62 dB
Conducted Emission (150kHz ~ 30MHz) for AAN	3.54 dB
Radiated Emission (30MHz ~ 1GHz) for 3m SAC	4.45 dB
Radiated Emission (1GHz ~ 18GHz) for 3m SAC	5.34 dB
Radiated Emission (18GHz ~ 40GHz) for 3m SAC	5.34 dB
Radiated Emission (30MHz ~ 1GHz) for 10m SAC	4.32 dB

# 5.6 Additions to, deviations, or exclusions from the method

Nο

# 5.7 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 17025:2017 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

# 5.8 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.

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Email: info-JYTee@lets.com, Website: http://www.ccis-cb.com

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.

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## **5.9 Test Instruments list**

Radiated Emission:	Radiated Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)		
3m SAC	ETS	RFD-100	Q1984	04-14-2021	04-13-2024		
BiConiLog Antenna	SCHWARZBECK	VULB9163	9163-1246	03-07-2021	03-06-2022		
Biconical Antenna	SCHWARZBECK	VUBA 9117	9117#359	06-17-2021	06-17-2022		
Horn Antenna	SCHWARZBECK	BBHA9120D	912D-916	03-07-2021	03-06-2022		
Broad-Band Horn Antenna	SCHWARZBECK	BBHA9170	1067	04-02-2021	04-01-2022		
Broad-Band Horn Antenna	SCHWARZBECK	BBHA9170	1068	04-02-2021	04-01-2022		
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-03-2021	03-02-2022		
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-03-2021	03-02-2022		
Spectrum analyzer	Keysight	N9010B	MY60240202	11-27-2020	11-26-2021		
Simulated Station	Anritsu	MT8820C	6201026545	03-03-2021	03-02-2022		
Low Pre-amplifier	SCHWARZBECK	BBV9743B	00305	03-07-2021	03-06-2022		
High Pre-amplifier	SKET	LNPA_0118G-50	MF280208233	03-07-2021	03-06-2022		
Cable	Qualwave	JYT3M-1G-NN-8M	JYT3M-1	03-07-2021	03-06-2022		
Cable	Qualwave	JYT3M-18G-NN-8M	JYT3M-2	03-07-2021	03-06-2022		
Cable	Qualwave	JYT3M-1G-BB-5M	JYT3M-3	03-07-2021	03-06-2022		
Cable	Bost	JYT3M-40G-SS-8M	JYT3M-4	04-02-2021	04-01-2022		
EMI Test Software	Tonscend	TS+		Version:3.0.0.1			
10m SAC	ETS	RFSD-100-F/A	Q2005	04-28-2021	04-27-2024		
BiConiLog Antenna	SCHWARZBECK	VULB 9168	1249	04-02-2021	04-01-2022		
BiConiLog Antenna	SCHWARZBECK	VULB 9168	1250	04-02-2021	04-01-2022		
EMI Test Receiver	R&S	ESR 3	102800	04-08-2021	04-07-2022		
EMI Test Receiver	R&S	ESR 3	102802	04-08-2021	04-07-2022		
Low Pre-amplifier	Bost	LNA 0920N	2016	04-06-2021	04-05-2022		
Low Pre-amplifier	Bost	LNA 0920N	2019	04-06-2021	04-05-2022		
Cable	Bost	JYT10M-1G-NN-10M	JYT10M-1	04-02-2021	04-01-2022		
Cable	Bost	JYT10M-1G-NN-10M	JYT10M-2	04-02-2021	04-01-2022		
Test Software	R&S	EMC32		/ersion: 10.50.4	0		

Conducted Emission:					
Test Fauinment	est Equipment Manufacturer Model No. Serial N	Model No	Serial No.	Cal. Date	Cal. Due date
rest Equipment		ocriai ito.	(mm-dd-yy)	(mm-dd-yy)	
EMI Test Receiver	Rohde & Schwarz	ESCI 3	101189	03-03-2021	03-02-2022
LISN	Rohde & Schwarz	ENV432	101602	04-06-2021	04-05-2022
LISN	Rohde & Schwarz	ESH3-Z5	843862/010	06-18-2020	06-17-2022
ISN	Schwarzbeck	CAT3 8158	#96	03-03-2021	03-02-2022
ISN	Schwarzbeck	CAT5 8158	#166	03-03-2021	03-02-2022
ISN	Schwarzbeck	NTFM 8158	#126	03-03-2021	03-02-2022
RF Switch	TOP PRECISION	RSU0301	N/A	03-03-2021	03-02-2022
Cable	Bost	JYTCE-1G-NN-2M	JYTCE-1	03-03-2021	03-02-2022
Cable	Bost	JYTCE-1G-BN-3M	JYTCE-2	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

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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		
DC Power Supply	Keysight	E3642A	MY60296194	11-27-2020	11-26-2021		
Temperature Humidity Chamber	ZhongZhi	CZ-C-150D	ZH16491	11-01-2020	10-31-2021		
Test Software	MWRF-tes	MTS 8310	Version: 2.0.0.0				

## 6 Test results and measurement data

# 6.1 Antenna Requirement

**Standard requirement:** FCC Part 15 C Section 15.203 & 247(b)

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### **E.U.T Antenna:**

The Bluetooth antenna is an Internal antenna which permanently attached, and the best case gain of the antenna is -1.2 dBi.

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## **6.2 Conducted Emissions**

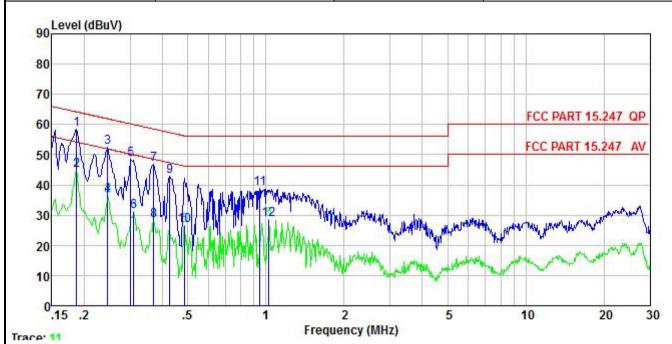
Test Requirement:	FCC Part 15 C Section 15.	207					
Test Frequency Range:	150 kHz to 30 MHz						
Class / Severity:	Class B						
Receiver setup:	RBW=9 kHz, VBW=30 kHz	z, Sweep time=auto					
Limit:	Frequency range (MHz) Limit (dBuV)						
	Quasi-peak Average						
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	5-30 * Decreases with the logari	60	50				
Test setup:	Reference Pl	•					
Tost procedure:	AUX Filter AC power 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						
Test procedure:	<ol> <li>The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</li> <li>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.</li> </ol>						
Test Instruments:	Refer to section 5.9 for det	ails					
Test mode:	Hopping mode						
Test results:	Pass						

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#### **Measurement Data:**

Product name:	Tablet	Product model:	Elite OctaMax
Test by:	Mike	Test mode:	BT Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



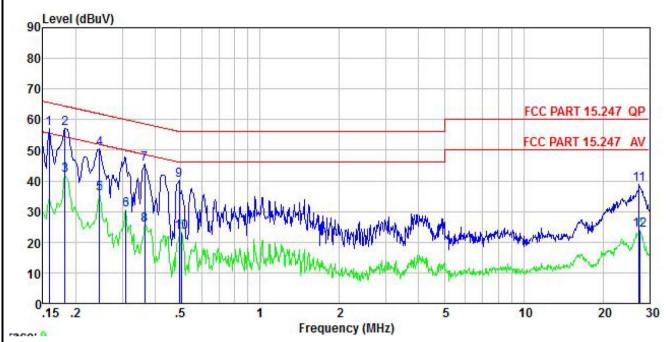
	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
2	MHz	dBu∜	<u>ab</u>	<u>ab</u>	<u>ab</u>	dBu√	—dBu∀	<u>ab</u>	
1	0.186	48.30	10.23	-0.13	0.02	58.42	64.20	-5.78	QP
2	0.186	34.87	10.23	-0.13	0.02	44.99	64.20	-19.21	Average
3	0.246	42.53	10.25	-0.21	0.01	52.58	61.91	-9.33	QP
1 2 3 4 5 6 7 8 9	0.246	26.54	10.25	-0.21	0.01	36.59	61.91	-25.32	Average
5	0.302	38.27	10.26	-0.24	0.03	48.32	60.19	-11.87	QP
6	0.310	21.22	10.26	-0.18	0.03	31.33	59.97	-28.64	Average
7	0.369	36.30	10.27	0.23	0.03	46.83	58.52	-11.69	QP
8	0.369	17.72	10.27	0.23	0.03	28.25	58.52	-30.27	Average
9	0.426	32.49	10.28	0.19	0.03	42.99	57.33	-14.34	QP
10	0.486	16.54	10.29	-0.26	0.03	26.60	56.23	-29.63	Average
11	0.948	28.15	10.32	0.32	0.05	38.84		-17.16	200 P3 P3 P3 P5
12	1.027	17.61	10.32	0.43	0.06	28.42	56.00	-27.58	Average

## Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.



Product name:	Tablet	Product model:	Elite OctaMax
Test by:	Mike	Test mode:	BT Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
=	MHz	dBu∜	<u>dB</u>		<u>ap</u>	dBu₹	—dBu∀	<u>dB</u>	
1	0.158	46.94	10.20	0.01	0.01	57.16	65.56	-8.40	QP
2	0.182	47.05	10.21	0.00	0.01	57.27	64.42	-7.15	QP
3	0.182	31.73	10.21	0.00	0.01	41.95	64.42	-22.47	Average
4	0.246	40.14	10.24	0.01	0.01	50.40	61.91	-11.51	QP
1 2 3 4 5 6 7 8 9	0.246	25.72	10.24	0.01	0.01	35.98	61.91	-25.93	Average
6	0.310	20.37	10.25	0.00	0.03	30.65	59.97	-29.32	Average
7	0.365	35.33	10.26	-0.04	0.03	45.58	58.61	-13.03	QP
8	0.365	15.34	10.26	-0.04	0.03	25.59	58.61	-33.02	Average
	0.494	29.77	10.28	0.03	0.03	40.11	56.10	-15.99	QP
10	0.505	12.83	10.28	0.03	0.03	23.17	56.00	-32.83	Average
11	27.416	26.77	10.90	0.93	0.19	38.79	60.00	-21.21	QP
12	27.708	11.98	10.90	0.95	0.19	24.02			Average

#### Notes

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Aux Factor + Cable Loss.





# **6.3 Conducted Output Power**

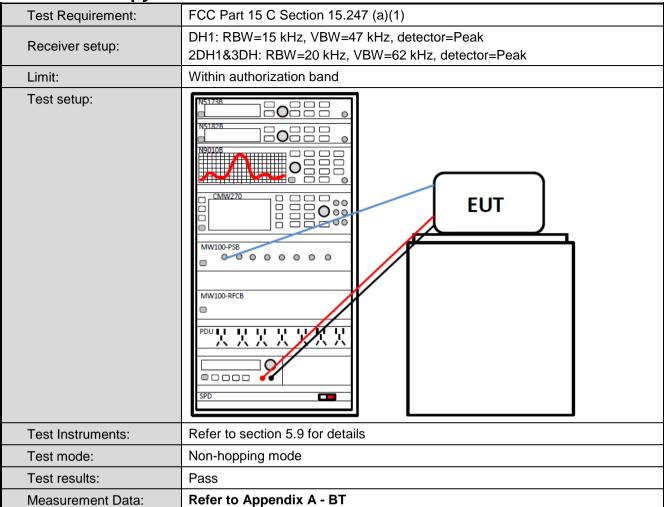
Test Requirement:	FCC Part 15 C Section 15.247 (b)(1)						
Receiver setup:	RBW=1MHz, VBW=3MHz, Detector=Peak (If 20dB BW ≤1 MHz) RBW=2MHz, VBW=6MHz, Detector=Peak (If 20dB BW > 1 MHz and < 3MHz)						
Limit:	For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.						
Test setup:	NS1878 NS						
Test Instruments:	Refer to section 5.9 for details						
Test mode:	Non-hopping mode						
Test results:	Pass						
Measurement Data:	Refer to Appendix A - BT						

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6.4 20dB Occupy Bandwidth

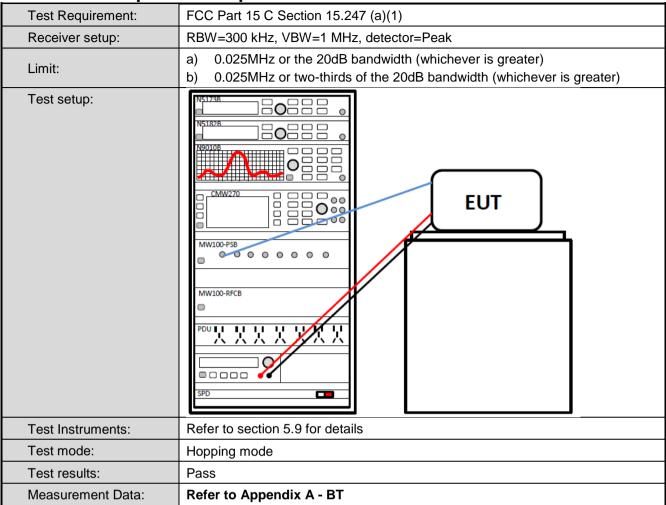


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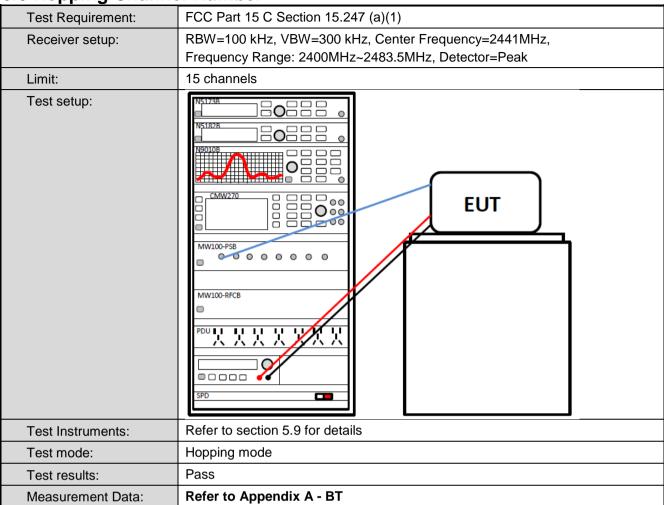
6.5 Carrier Frequencies Separation







6.6 Hopping Channel Number



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## 6.7 Dwell Time

I						
Test Requirement:	FCC Part 15 C Section 15.247 (a)(1)					
Receiver setup:	RBW=1 MHz, VBW=1 MHz, Span=0 Hz, Detector=Peak					
Limit:	0.4 Second					
Test setup:	NS173B					
Test Instruments:	Refer to section 5.9 for details					
Test mode:	Hopping mode					
Test results:	Pass					
Measurement Data:	Refer to Appendix A - BT					

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# 6.8 Pseudorandom Frequency Hopping Sequence

## **Test Requirement:**

## FCC Part 15 C Section 15.247 (a)(1) requirement:

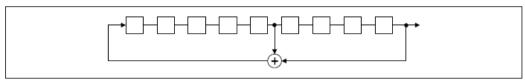
Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Alternatively. Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

## **EUT Pseudorandom Frequency Hopping Sequence**

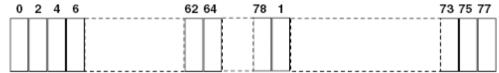
The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONEs; i.e. the shift register is initialized with nine ones.

- Number of shift register stages: 9
- Length of pseudo-random sequence: 29-1 = 511 bits
- · Longest sequence of zeros: 8 (non-inverted signal)



Linear Feedback Shift Register for Generation of the PRBS sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:



Each frequency used equally on the average by each transmitter.

The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.

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# 6.9 Band Edge

## 6.9.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)						
Receiver setup:	RBW=100 kHz, VBW=300 kHz, Detector=Peak						
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.						
Test setup:	NS102B NS102B NS102B NS102B NS102B NMW100-PSB NMW100-PSB NMW100-PSB NMW100-PSB NMW100-PSB						
Test Instruments:	Refer to section 5.9 for details						
Test mode:	Non-hopping mode and hopping mode						
Test results:	Pass						
Measurement Data:	Refer to Appendix A - BT						

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## 6.9.2 Radiated Emission Method

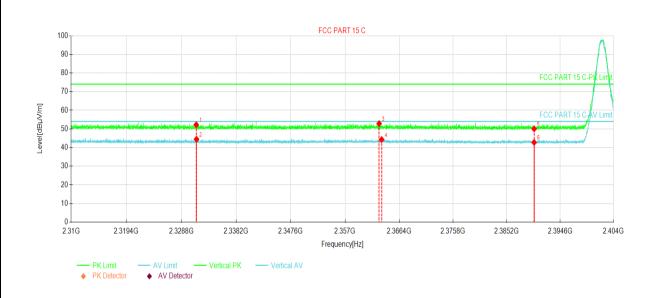
Test Requirement:	FCC Part 15 C Section 15.209 and 15.205						
Test Frequency Range:	2310 MHz to 2390 MHz and 2483.5 MHz to 2500 MHz						
Test Distance:	3m						
Receiver setup:	Frequency	Detecto	or	RBW	VBW		Remark
	Above 1GHz	Peak		1MHz	31	ИНz	Peak Value
	Above 1GHZ	RMS		1MHz	31	ИНz	Average Value
Limit:	Frequenc	су	Lim	it (dBuV/m @3	3m)		Remark
	Above 1G			54.00		Av	erage Value
	Above 10	112		74.00		F	Peak Value
Test setup:	Horn Anienna Antenna Tower  Ground Reference Plane  Test Receiver  Test Receiver  Test Receiver  Test Receiver						
Test Procedure:	<ol> <li>The EUT was placed on the top of a rotating table 1.5meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>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.</li> <li>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.</li> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>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</li> </ol>						
Test Instruments:	average method as specified and then reported in a data sheet.  Refer to section 5.9 for details						
Test mode:	Non-hopping mode						
Test results:	Passed						

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#### **GFSK Mode:**

Product Name:	Tablet	Product Model:	Elite OctaMax
Test By:	Mike	Test mode:	DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



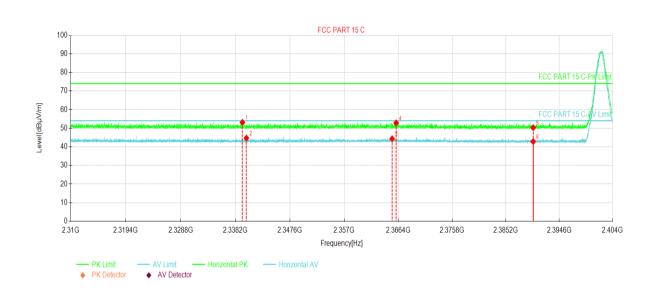
Suspe	Suspected Data List₽										
NO.∂	Freq.⊌	Reading⊬	Level⊬	Factor	Limit⊬	Margin⊬	Tropo	Dolority			
NO.₽	[MHz]∂	[dBµV/m]	[dBµV/m]₽	[dB] <i>₀</i>	[dBµV/m]∂	[dB]₽	Trace	Polarity₽			
1₽	2331.34	45.34₽	52.22₽	6.88₽	74.00₽	21.78₽	PK₽	Vertical₽			
2₽	2331.39	37.59₽	44.47₽	6.88₽	54.00₽	9.53₽	AV₄⊃	Vertical₽			
3₽	2362.92	45.87₽	52.86₽	6.99₽	74.00₽	21.14₽	PK₽	Vertical₽			
4₽	2363.35	37.32₽	44.31₽	6.99₽	54.00₽	9.69₽	AV₄⊃	Vertical₽			
5₽	2390.00	42.96₽	50.04₽	7.08₽	74.00₽	23.96₽	PK₽	Vertical₽			
6₽	2390.00	35.70₽	42.78₽	7.08₽	54.00₽	11.22₽	AV₽	Vertical₽			

## Remark:

- 1. Final Level = 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.



Product Name:	Tablet	Product Model:	Elite OctaMax
Test By:	Mike	Test mode:	DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%

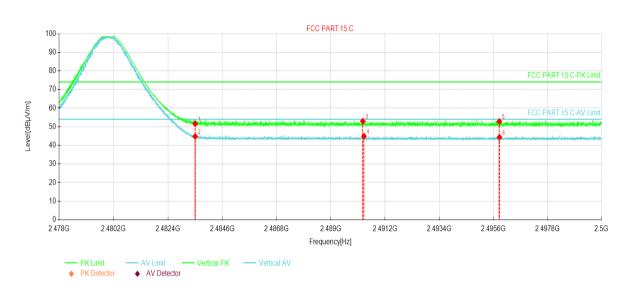


Suspe	Suspected Data List								
NO -	Freq.⊌	Reading⊬	Level⊬	Factor	Limit⊬	Margin⊬	Trans	Dolority	
NO.₽	[MHz]∂	[dBµV/m]₽	[dBµV/m]∂	[dB]∂	[dBµV/m]∂	[dB]∂	Trace	Polarity∂	
1₽	2339.39	46.23₽	53.14₽	6.91₽	74.00₽	20.86₽	PK₽	Horizontal₽⊸	
2₊⋾	2340.09	37.78₽	44.69₽	6.91₽	54.00₽	9.31₽	AV₄⊃	Horizontal₽⊸	
3₊□	2365.31	37.35₽	44.35₽	7.00₽	54.00₽	9.65₽	AV₽	Horizontal₽⊸	
<b>4</b> 0	2366.02	45.88₽	52.88₽	7.00₽	74.00₽	21.12₽	PK₽	Horizontal₽⊸	
5₽	2390.00	43.22₽	50.30₽	7.08₽	74.00₽	23.70₽	PK₽	Horizontal₽⊸	
6₽	2390.00	35.76₽	42.84₽	7.08₽	54.00₽	11.16₽	AV₽	Horizontal₽⊸	

- 1. Final Level = 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.



Product Name:	Tablet	Product Model:	Elite OctaMax
Test By:	Mike	Test mode:	DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



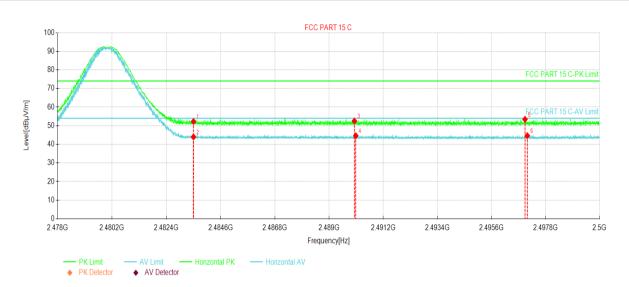
Suspe	Suspected Data List								
NO.∂	Freq.⊌	Reading⊬	Level⊬	Factor	Limit⊬	Margin⊬	Trans	Dolority	
NO.₽	[MHz]∂	[dBµV/m]₽	[dBµV/m]₽	[dB]∂	[dBµV/m]∂	[dB]∂	Trace	Polarity∉	
1₽	2483.50	43.90₽	51.59₽	7.69₽	74.00₽	22.41₽	PK₽	Vertical₽	
2₽	2483.50	37.08₽	44.77₽	7.69₽	54.00₽	9.23	AV₽	Vertical₽	
<b>3</b> ₽	2490.29	45.22₽	52.95₽	7.73₽	74.00₽	21.05₽	PK₽	Vertical₽	
4₽	2490.34	37.16₽	44.89₽	7.73₽	54.00₽	9.11₽	AV₽	Vertical₽	
5₽	2495.83	45.02₽	52.79₽	7.77₽	74.00₽	21.21₽	PK₽	Vertical₽	
6₽	2495.84	36.56₽	44.33₽	7.77₽	54.00₽	9.67₽	AV₽	Vertical₽	

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

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Product Name:	Tablet	Product Model:	Elite OctaMax
Test By:	Mike	Test mode:	DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



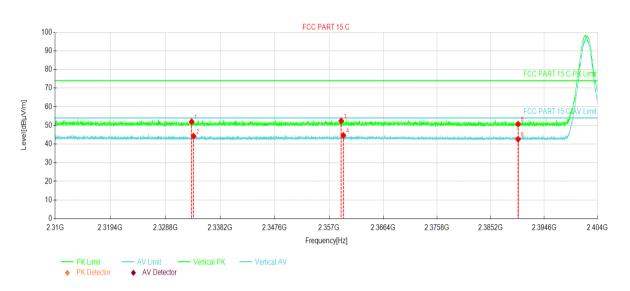
Suspe	Suspected Data List								
NO -	Freq.⊌	Reading⊬	Level⊬	Factor	Limit⊬	Margin⊬	Trans	Delerity :	
NO.₽	[MHz]∂	[dBµV/m]₽	[dBµV/m]∂	[dB]∂	[dBµV/m]∂	[dB] <i>₀</i>	Trace	Polarity∉	
1₽	2483.50	44.56₽	52.25₽	7.69₽	74.00₽	21.75₽	PK₽	Horizontal₽	
2₽	2483.50	36.31₽	44.00₽	7.69₽	54.00₽	10.00₽	AV₽	Horizontal₽	
3₽	2490.02	44.79₽	52.52₽	7.73	74.00₽	21.48₽	PK₽	Horizontal₽	
4₽	2490.08	36.89₽	44.62₽	7.73₽	54.00₽	9.38₽	AV₽	Horizontal₽	
5₽	2496.96	45.67₽	53.45₽	7.78₽	74.00₽	20.55₽	PK₽	Horizontal₽	
6₽	2497.05	36.85₽	44.63₽	7.78₽	54.00₽	9.37₽	AV₽	Horizontal₽	

- 1. Final Level = 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.



#### π/4-DQPSK mode

Product Name:	Tablet	Product Model:	Elite OctaMax
Test By:	Mike	Test mode:	2DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



Suspe	Suspected Data List								
NO.₽	Freq.⊌	Reading⊬	Level⊬	Factor	Limit⊬	Margin⊬	Trans	Doloritu	
NO.₽	[MHz]∂	[dBµV/m]∂	[dBµV/m]₽	[dB]∂	[dBµV/m]∂	[dB] <i>₀</i>	Trace	Polarity∂	
1₽	2333.31	45.11₽	52.00₽	6.89₽	74.00₽	22.00₽	PK₽	Vertical₽	
2₽	2333.62	37.35₽	44.24₽	6.89₽	54.00₽	9.76₽	AV₽	Vertical₽	
3₽	2359.11	45.46₽	52.44₽	6.98₽	74.00₽	21.56₽	PK₽	Vertical₽	
4₽	2359.49	37.69₽	44.67₽	6.98₽	54.00₽	9.33₽	AV₽	Vertical₽	
5₽	2390.00	43.61₽	50.69₽	7.08₽	74.00₽	23.31₽	PK₽	Vertical₽	
6₽	2390.00	35.49₽	42.57₽	7.08₽	54.00₽	11.43₽	AV₄	Vertical₽	

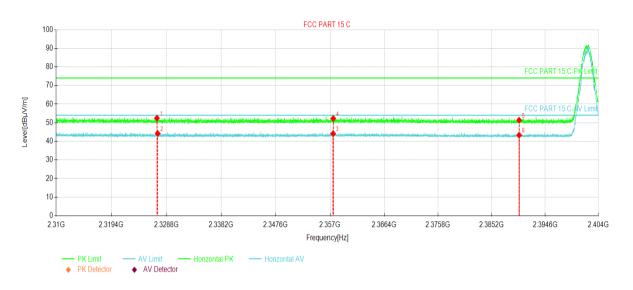
#### Remark:

- 1. Final Level = 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.

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Product Name:	Tablet	Product Model:	Elite OctaMax
Test By:	Mike	Test mode:	2DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



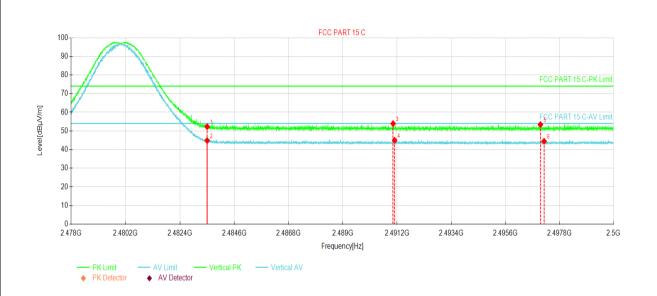
Suspe	Suspected Data List∂									
NO.₽	Freq.	Reading⊬	Level⊬	Factor	Limit⊬	Margin⊬	Trans	Delevite		
	[MHz]∂	[dBµV/m]₽	[dBµV/m]∂	[dB]∂	[dBµV/m]∂	[dB]∂	Trace	Polarity∂		
1₽	2327.19	45.56₽	52.43₽	6.87₽	74.00₽	21.57₽	PK₽	Horizontal₽		
2₊₃	2327.31	37.37₽	44.24₽	6.87₽	54.00₽	9.76₽	AV₽	Horizontal₽		
3₽	2357.54	37.15₽	44.12₽	6.97₽	54.00₽	9.88₽	AV₽	Horizontal₽		
4₽	2357.56	45.30₽	52.27₽	6.97₽	74.00₽	21.73₽	PK₽	Horizontal₽		
5₽	2390.00	44.27₽	51.35₽	7.08	74.00₽	22.65₽	PK₽	Horizontal₽		
6₽	2390.00	36.24₽	43.32₽	7.08₽	54.00₽	10.68₽	AV₽	Horizontal₽		

- 1. Final Level = 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.

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Product Name:	Tablet	Product Model:	Elite OctaMax
Test By:	Mike	Test mode:	2DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%

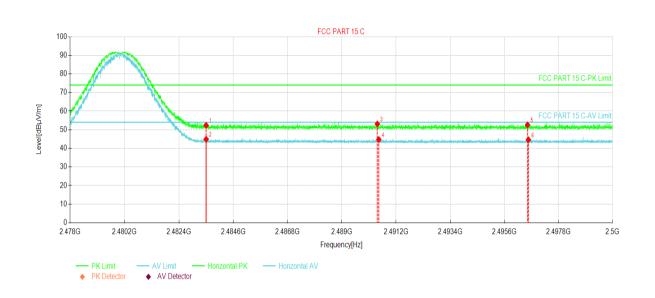


Suspe	Suspected Data List								
NO.₽	Freq.⊌	Reading⊬	Level⊬	Factor	Limit⊬	Margin⊬	Trans	Dolority	
	[MHz]∂	[dBµV/m]₽	[dBµV/m]∂	[dB]∂	[dBµV/m]∂	[dB]∂	Trace	Polarity∉	
1₽	2483.50	44.57₽	52.26₽	7.69₽	74.00₽	21.74	PK₽	Vertical₽	
2₄೨	2483.50	37.16₽	44.85₽	7.69₽	54.00₽	9.15₽	AV₄⊃	Vertical₽	
3₽	2491.03	46.17₽	53.91₽	7.74	74.00₽	20.09₽	PK₽	Vertical₽	
4₽	2491.09	37.21₽	44.95₽	7.74	54.00₽	9.05₽	AV₄⊃	Vertical₽	
5₽	2497.02	45.63₽	53.41₽	7.78₽	74.00₽	20.59₽	PK₽	Vertical₽	
6₽	2497.17	36.68₽	<b>44.46</b> ₽	7.78₽	54.00₽	9.54₽	AV₽	Vertical₽	

- 1. Final Level = 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.



Product Name:	Tablet	Product Model:	Elite OctaMax
Test By:	Mike	Test mode:	2DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



Suspe	Suspected Data List∉										
NO -	Freq.⊌	Reading⊬	Level	Factor	Limit⊬	Margin⊬	Trans	Dolority			
NO.₽	[MHz]∂	[dBµV/m]₽	[dBµV/m]∂	[dB]∂	[dBµV/m]∂	[dB]∂	Trace	Polarity₽			
1₽	2483.50	44.63₽	52.32₽	7.69₽	74.00₽	21.68₽	PK₽	Horizontal -			
2₽	2483.50	37.19₽	44.88₽	7.69₽	54.00₽	9.12₽	AV₽	Horizontal -			
3₽	2490.43	45.35₽	53.08₽	7.73₽	74.00₽	20.92₽	PK₽	Horizontal₽⊸			
<b>4</b> 0	2490.49	37.01₽	44.74₽	7.73₽	54.00₽	9.26₽	AV₽	Horizontal.			
5₽	2496.54	44.81₽	52.59₽	7.78₽	74.00₽	21.41₽	PK₽	Horizontal -			
6₽	2496.57	36.82₽	44.60₽	7.78₽	54.00₽	9.40₽	AV₽	Horizontal₽⊸			

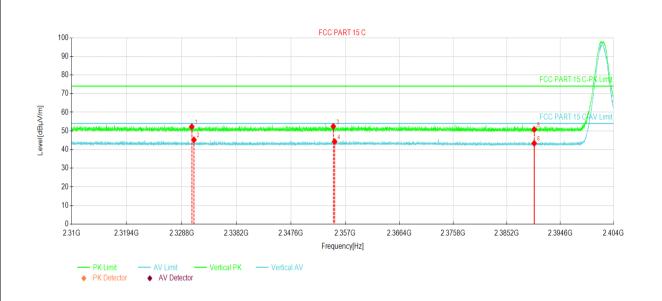
- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

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#### 8DPSK mode

Product Name:	Tablet	Product Model:	Elite OctaMax
Test By:	Mike	Test mode:	3DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



Suspe	Suspected Data List										
NO.₽	Freq.⊌	Reading⊬	Level⊬	Factor	Limit⊬	Margin⊬	Trans	Delerity			
NO.₽	[MHz]∂	[dBµV/m]∂	[dBµV/m]∂	[dB]∂	[dBµV/m]∂	[dB]∂	Trace	Polarity∂			
1₽	2330.52	45.37₽	52.25₽	6.88₽	74.00₽	21.75₽	PK₽	Vertical₽			
2₽	2330.89	38.35₽	45.23₽	6.88	54.00₽	8.77₽	AV₄⋾	Vertical₽			
3₽	2354.93	45.46₽	52.42₽	6.96₽	74.00₽	<b>21.58</b> ₽	PK₽	Vertical₽			
4₽	2355.15	37.31₽	44.27₽	6.96₽	54.00₽	9.73₽	AV₄⊃	Vertical₽			
5₽	2390.00	43.69₽	50.77₽	7.08₽	74.00₽	23.23	PK₽	Vertical₽			
6₽	2390.00	36.28₽	43.36₽	7.08₽	54.00₽	10.64₽	AV₽	Vertical₽			

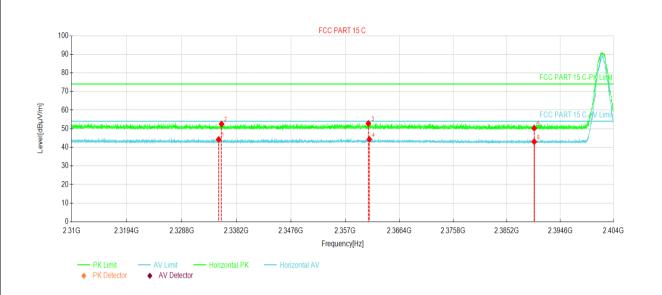
#### Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

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Product Name:	Tablet	Product Model:	Elite OctaMax
Test By:	Mike	Test mode:	3DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



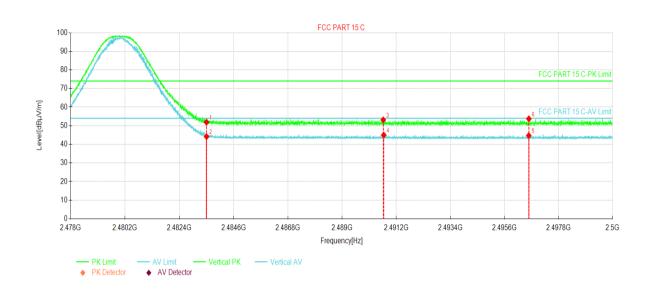
Suspe	Suspected Data List∂										
NO.₽	Freq.⊌	Reading⊬	Level⊬	Factor	Limit⊬	Margin⊬	Trans	Dolority			
NO.₽	[MHz]∂	[dBµV/m]₽	[dBµV/m]∂	[dB]∂	[dBµV/m]∂	[dB]∂	Trace	Polarity∂			
1₽	2335.14	37.31₽	44.21₽	6.90₽	54.00₽	9.79₽	AV₽	Horizontal₽			
2⇔	2335.63	45.59₽	52.49₽	6.90₽	74.00₽	21.51₽	PK₽	Horizontal₽			
3₽	2361.01	45.84₽	52.82₽	6.98₽	74.00₽	21.18₽	PK₽	Horizontal₽			
4₽	2361.18	37.31₽	44.29₽	6.98₽	54.00₽	9.71₽	AV₽	Horizontal₽			
5₽	2390.00	43.20₽	50.28₽	7.08₽	74.00₽	23.72₽	PK₽	Horizontal₽			
6₽	2390.00	35.95₽	43.03₽	7.08₽	54.00₽	10.97₽	AV₽	Horizontal₽			

- 1. Final Level = 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.

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Product Name:	Tablet	Product Model:	Elite OctaMax
Test By:	Mike	Test mode:	3DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



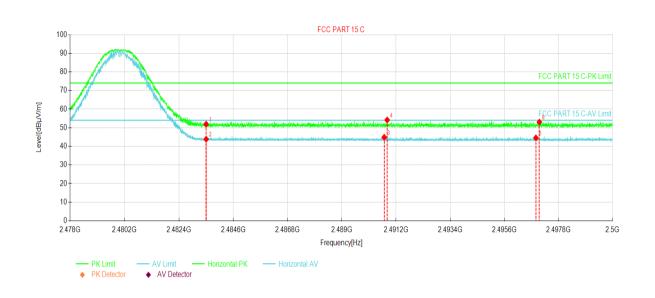
Suspe	Suspected Data List∂										
NO -	Freq.	Reading⊬	Level⊬	Factor	Limit⊬	Margin⊬	Trace	Delevity			
NO.₽	[MHz]∂	[dBµV/m]₽	[dBµV/m]∂	[dB]∂	[dBµV/m]∂	[dB]∂	Trace	Polarity₽			
1₽	2483.50	44.19₽	51.88₽	7.69₽	74.00₽	<b>22</b> .12₽	PK₽	Vertical₽ +			
2↔	2483.50	36.45₽	44.14₽	7.69₽	54.00₽	9.86₽	AV₽	Vertical₽ +			
3₽	2490.66	45.39₽	53.13₽	7.74₽	74.00₽	20.87₽	PK₽	Vertical₽ +			
4₽	2490.68	37.24₽	44.98₽	7.74₽	54.00₽	9.02₽	AV₽	Vertical₽			
5₽	2496.58	36.93₽	44.71₽	7.78₽	54.00₽	9.29₽	AV₽	Vertical₽ +			
6₽	2496.59	45.93₽	53.71₽	7.78₽	74.00₽	20.29₽	PK₽	Vertical₽ +			

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

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Product Name:	Tablet	Product Model:	Elite OctaMax
Test By:	Mike	Test mode:	3DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



Suspe	Suspected Data List⊘											
NO -	Freq.	Reading⊬	Level	Factor⊬	Limitℯ	Margin⊬	Trace	Delerity				
NO.₽	[MHz]	[dBµV/m]∂	[dBµV/m]∂	[dB]∂	[dBµV/m]∂	[dB]∂	Trace	Polarity₽				
<b>1</b> ₽	2483.50	44.22₽	51.91₽	7.69₽	74.00₽	22.09₽	PK₽	Horizontal₽				
2₊□	2483.50	36.14₽	43.83₽	7.69₽	54.00₽	10.17₽	AV₽	Horizontal₽⊸				
3₽	2490.71	37.11₽	44.85₽	7.74₽	54.00₽	9.15₽	AV₽	Horizontal₽⊸				
4₽	2490.83	46.41₽	54.15₽	7.74₽	74.00₽	19.85₽	PK₽	Horizontal₽⊸				
5₽	2496.88	36.73₽	44.51₽	7.78₽	54.00₽	9.49₽	AV₽	Horizontal₽⊸				
6₽	2497.02	45.23₽	53.01₽	7.78₽	74.00₽	20.99₽	PK₽	Horizontal₽⊸				

- 1. Final Level = 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.

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# **6.10 Spurious Emission**

# 6.10.1 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.			
Test setup:	NS102R NS			
Test Instruments:	Refer to section 5.9 for details			
Test mode:	Non-hopping mode			
Test results:	Pass			
Measurement Data:	Refer to Appendix A - BT			

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## 6.10.2 Radiated Emission Method

6.10.2 Radiated Emission I	Method					
Test Requirement:	FCC Part 15 C S	FCC Part 15 C Section 15.209				
Test Frequency Range:	9 kHz to 25 GHz	<u>-</u>				
Test Distance:	3m or 10m					
Receiver setup:	Frequency	Detector	RBW	VBW	Remark	
	30MHz-1GHz	Quasi-pea	ak 120kHz	300kH	z Quasi-peak Value	
	Above 1GHz	Peak	1MHz	3MHz	z Peak Value	
	Above IGHZ	RMS	1MHz	3MHz	Average Value	
Limit:	Frequenc	cy I	Limit (dBuV/m	@10m)	Remark	
	30MHz-88N	ЛHz	30.0		Quasi-peak Value	
	88MHz-216I	MHz	33.5		Quasi-peak Value	
	216MHz-960	MHz	36.0		Quasi-peak Value	
	960MHz-10	GHz	44.0		Quasi-peak Value	
	Frequenc	у	Limit (dBuV/m	@3m)	Remark	
	Above 1G	H <sub>7</sub> —	54.0		Average Value	
	Above 1G	1 14	74.0		Peak Value	
	FUT Tur Tal Ground Above 1GHz	ble ( ,			Search Antenna  RF Test Receiver	
Total Day and days	Horn Antenna Tower  Ground Reference Plane  Test Receiver  Test Receiver  Test Receiver					
Test Procedure:	1GHz)/1.5m (below 1GH 360 degree	n(above 1G lz)or 3 mete s to determi	Hz) above the er chamber(abound the the position	ground a ve 1GHz) of the hig	ating table 0.8m(below at a 10 meter chamber b. The table was rotated ghest radiation.  3 meters(above 1GHz)	

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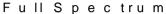
Ī				
	away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.			
	<ol> <li>The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> </ol>			
	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 rota table was turned from 0 degrees to 360 degrees to find the maximum reading.			
	<ol><li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li></ol>			
	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 5.9 for details			
Test mode:	Non-hopping mode			
Test results:	Pass			
Remark:	1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case.			
NGIIIdik.	<ol><li>9 kHz to 30 MHz is noise floor and lower than the limit 20dB, so only shows the data of above 30MHz in this report.</li></ol>			

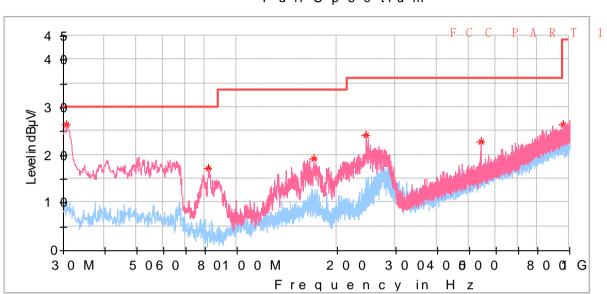


## Measurement Data (worst case):

## **Below 1GHz:**

Product Name:	Tablet	Product Model:	Elite OctaMax	
Test By:	Mike	Test mode:	BT Tx mode	
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical & Horizontal	
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%	





<ul> <li>Frequency ↓ (MHz).</li> </ul>	MaxPeak ↓ (dB ≠ V/m).₁	Limit ↓ (dB ≠ V/m)	Margin ↓ (dB).₁	Height. (cm).₁	Pol. <sub>1</sub>	Azimuth ↓ (deg).₁	Corr. ↓ .₁ (dB/m).₁
<ul> <li>30.679000</li> </ul>	26.44	30.00.	3.56.	100.0.1	<b>V</b> .1	6.0.	<b>-17.6</b> .1
<ul> <li>81.992000</li> </ul>	17.24	30.00.1	12.76.	100.0.1	V.1	3.0.	-20.1. <sub>1</sub> .1
<ul> <li>170.165000</li> </ul>	. 19.24.	33.50.	14.26.	100.0.1	V.1	123.0.	-16.4 <sub>00</sub> or
<ul> <li>244.564000</li> </ul>	. 24.08.	36.00.1	11.92.	100.0.1	V.1	22.0.	-15.7 a a
<ul><li>540.026000</li></ul>	. 22.74.	36.00.	13.26.	100.0.1	V.1	0.0.	-8.0. <sub>1-1</sub>
<ul><li>958,969000</li></ul>	26.42	36.00.	9.58.	100.0.	<b>V</b> .1	234.0.	0.0.1

#### Remark:

- 1. Final Level = 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:**

	Test channel: Lowest channel							
	Detector: Peak Value							
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization		
4804.00	55.66	-9.60	46.06	74.00	27.94	Vertical		
4804.00	55.41	-9.60	45.81	74.00	28.19	Horizontal		
	Detector: Average Value							
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization		
4804.00	49.31	-9.60	39.71	54.00	14.29	Vertical		
4804.00	48.95	-9.60	39.35	54.00	14.65	Horizontal		
		Test ch	nannel: Middle ch	nannel				
		De	tector: Peak Valu	re				
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization		
4882.00	55.60	-9.05	46.55	74.00	27.45	Vertical		
4882.00	55.55	-9.05	46.50	74.00	27.50	Horizontal		
		Dete	ctor: Average Va	alue				
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization		
4882.00	49.24	-9.05	40.19	54.00 13.81		Vertical		
4882.00	48.78	-9.05	39.73	54.00	14.27	Horizontal		
	Test channel: Highest channel							
	1	De	tector: Peak Valu	ue				
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization		
4960.00	55.91	-8.45	47.46	74.00	26.54	Vertical		
4960.00	55.17	-8.45	46.72	74.00	27.28	Horizontal		
	Detector: Average Value							
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization		
4960.00	49.47	-8.45	41.02	54.00	12.98	Vertical		

## Remark:

4960.00

48.36

39.91

-8.45

54.00

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14.09

Horizontal

<sup>1.</sup> Final Level =Receiver Read level + Factor.

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





# **8 EUT Constructional Details**

Reference to the test report No.: JYTSZB-R12-2101648

-----End of report-----