


# FCC RF Test Report

## (BLE)

**Applicant:** NU-ERA TELECOMMUNICATIONS INC  
**Address of Applicant:** 848 Brickell Av. Suite 1015, Miami, Florida, United States  
33131  
**Equipment Under Test (EUT)**  
**Product Name:** Tablet  
**Model No.:** NewPad 10  
**Trade Mark:** NewPad  
**FCC ID:** 2A5WBNPAD10  
**Applicable Standards:** FCC CFR Title 47 Part 15C (§15.247)  
**Date of Sample Receipt:** 21 Jun., 2023  
**Date of Test:** 22 Jun., to 31 Jul., 2023  
**Date of Report Issued:** 31 Jul., 2023  
**Test Result:** PASS

**Tested by:** Ray Long **Date:** 31 Jul., 2023  
**Reviewed by:** Jane **Date:** 31 Jul., 2023  
**Approved by:** Shao **Date:** 31 Jul., 2023  
**Test Engineer**  
**Project Engineer**  
**Manager**



This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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.

## 1 Version

Version No.	Date	Description
00	31 Jul., 2023	Original

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### 3 General Information

#### 3.1 Client Information

Applicant:	NU-ERA TELECOMMUNICATIONS INC
Address:	848 Brickell Av. Suite 1015, Miami, Florida, United States 33131
Manufacturer:	NU-ERA TELECOMMUNICATIONS INC
Address:	848 Brickell Av. Suite 1015, Miami, Florida, United States 33131

#### 3.2 General Description of E.U.T.

Product Name:	Tablet
Model No.:	NewPad 10
Operation Frequency:	2402 MHz - 2480 MHz
Channel Numbers:	40
Channel Separation:	2MHz
Modulation Technology:	GFSK
Data Speed:	1 Mbps (LE 1M PHY)
Antenna Type:	Internal Antenna
Antenna Gain:	1.1 dBi (declare by applicant)
Antenna transmit mode:	SISO (1TX, 1RX)
Power Supply:	Rechargeable Li-ion Battery DC3.7V, 5000mAh
AC Adapter:	Input: AC100-240V, 50/60Hz, 0.3A Output: DC 5.0V, 2000mA
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

### 3.3 Test Mode and Test Environment

<b>Test Mode:</b>	
Transmitting mode	Keep the EUT in continuous transmitting with modulation
<b>Remark:</b>	
1. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report.	
<b>Operating Environment:</b>	
Temperature:	15°C ~ 35°C
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar

### 3.4 Description of Test Auxiliary Equipment

The EUT has been tested as an independent unit.
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### 3.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Conducted Emission for LISN (9kHz ~ 10MHz)	1.9 dB
Conducted Emission for LISN (10MHz ~ 30MHz)	2.6 dB
Radiated Emission (1GHz ~ 18GHz) (3m SAC)	3.6 dB
Radiated Emission (18GHz ~ 40GHz) (3m SAC)	5.34 dB
Radiated Emission (30MHz ~ 1GHz) (10m SAC)	3.7 dB

**Note:** All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

### 3.6 Additions to, Deviations, or Exclusions from the Method

No
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### 3.7 Laboratory Facility

<p>The test facility is recognized, certified, or accredited by the following organizations:</p> <ul style="list-style-type: none"> <li>● <b>FCC - Designation No.: CN1211</b> 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.</li> <li>● <b>ISED – CAB identifier.: CN0021</b> The 3m Semi-anechoic chamber and 10m 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.</li> <li>● <b>CNAS - Registration No.: CNAS L15527</b> JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.</li> <li>● <b>A2LA - Registration No.: 4346.01</b> 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: <a href="https://portal.a2la.org/scopepdf/4346-01.pdf">https://portal.a2la.org/scopepdf/4346-01.pdf</a></li> </ul>
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### 3.8 Laboratory Location

<p>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: <a href="http://jyt.lets.com">http://jyt.lets.com</a></p>
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### 3.9 Test Instruments List

Radiated Emission(3m SAC):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	9m*6m*6m	WXJ001-1	04-14-2021	04-13-2024
Loop Antenna	Schwarzbeck	FMZB 1519 B	WXJ002-4	02-09-2023	02-08-2024
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	02-09-2023	02-08-2024
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	02-09-2023	02-08-2024
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	01-09-2023	01-08-2024
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	01-10-2023	01-09-2024
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXJ001-3	01-10-2023	01-09-2024
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	01-11-2023	01-10-2024
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	01-11-2023	01-10-2024
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	01-10-2023	01-09-2024
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ004-2	10-17-2022	10-16-2023
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-18-2023	01-17-2024
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG001-5	01-18-2023	01-17-2024
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG001-7	01-18-2023	01-17-2024
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

Radiated Emission(10m SAC):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
10m SAC	ETS	RFSD-100-F/A	WXJ090	04-28-2021	04-27-2024
BiConiLog Antenna	SCHWARZBECK	VULB 9168	WXJ090-1	01-17-2023	01-16-2024
BiConiLog Antenna	SCHWARZBECK	VULB 9168	WXJ090-2	01-10-2023	01-09-2024
EMI Test Receiver	R&S	ESR 3	WXJ090-3	01-10-2023	01-09-2024
EMI Test Receiver	R&S	ESR 3	WXJ090-4	01-11-2023	01-09-2024
Low Pre-amplifier	Bost	LNA 0920N	WXJ090-6	01-10-2023	01-09-2024
Low Pre-amplifier	Bost	LNA 0920N	WXJ090-7	01-10-2023	01-09-2024
Cable	Bost	JYT10M-1G-NN-10M	WXG002-7	01-18-2023	01-17-2024
Cable	Bost	JYT10M-1G-NN-10M	WXG002-8	01-18-2023	01-17-2024
Test Software	R&S	EMC32	Version: 10.50.40		

<b>Conducted Emission:</b>					
<b>Test Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Manage No.</b>	<b>Cal. Date (mm-dd-yy)</b>	<b>Cal. Due date (mm-dd-yy)</b>
EMI Test Receiver	Rohde & Schwarz	ESR3	WXJ003-2	07-12-2022	07-11-2023
				07-05-2023	07-04-2024
LISN	Schwarzbeck	NSLK 8127	QCJ001-13	01-10-2023	01-09-2024
LISN	Rohde & Schwarz	ESH3-Z5	WXJ005-1	01-11-2023	01-10-2024
LISN Coaxial Cable (9kHz ~ 30MHz)	JYTSZ	JYTCE-1G-NN-2M	WXG003-1	02-22-2023	02-21-2024
RF Switch	TOP PRECISION	RSU0301	WXG003	N/A	
Test Software	AUDIX	E3	Version: 6.110919b		

<b>Conducted Method:</b>					
<b>Test Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Manage No.</b>	<b>Cal. Date (mm-dd-yy)</b>	<b>Cal. Due date (mm-dd-yy)</b>
Spectrum Analyzer	Keysight	N9010B	WXJ004-3	10-17-2022	10-16-2023
Temperature Humidity Chamber	ZHONG ZHI	CZ-A-80D	WXJ032-3	01-09-2023	01-08-2025
Power Detector Box	MWRFTEST	MW100-PSB	WXJ007-4	10-17-2022	10-16-2023
DC Power Supply	Keysight	E3642A	WXJ025-2	N/A	
RF Control Unit	MWRFTEST	MW100-RFCB	WXG006	N/A	
Test Software	MWRFTEST	MTS 8310	Version: 2.0.0.0		

## 4 Measurement Setup and Procedure

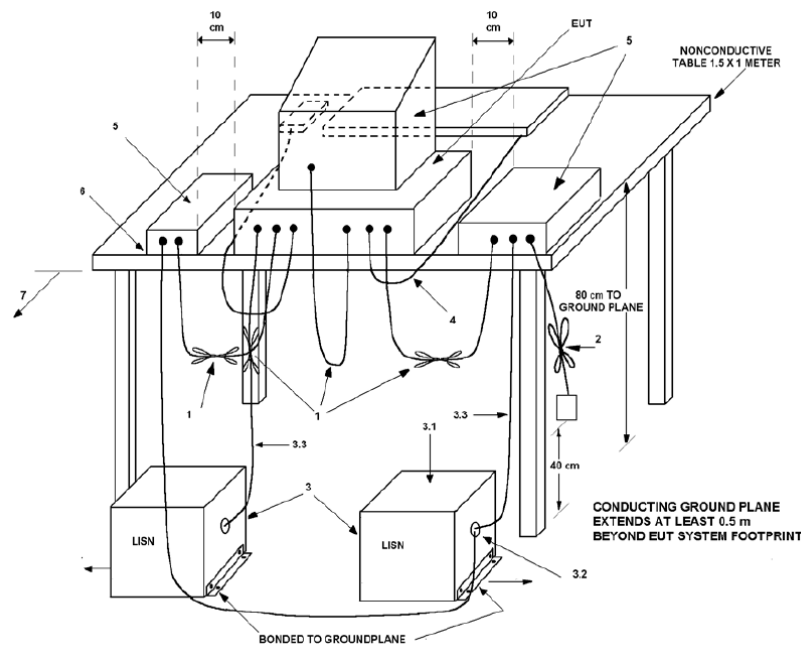
### 4.1 Test Channel

According to ANSI C63.10-2013 chapter 5.6.1 Table 4 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	2402	20	2442	39	2480

### 4.2 Test Setup

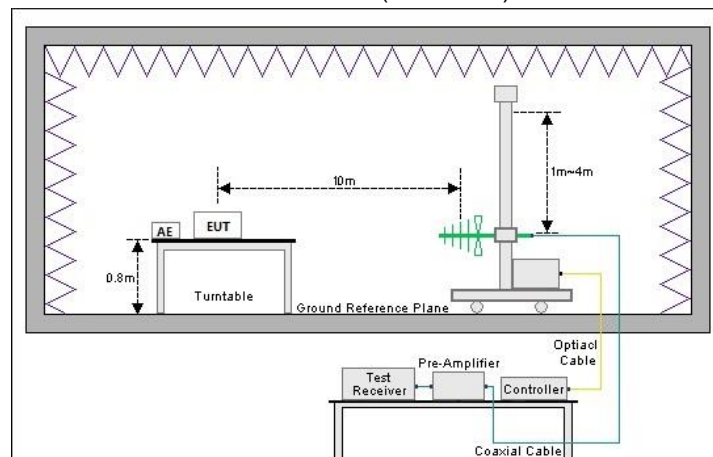
#### 1) Conducted emission measurement:



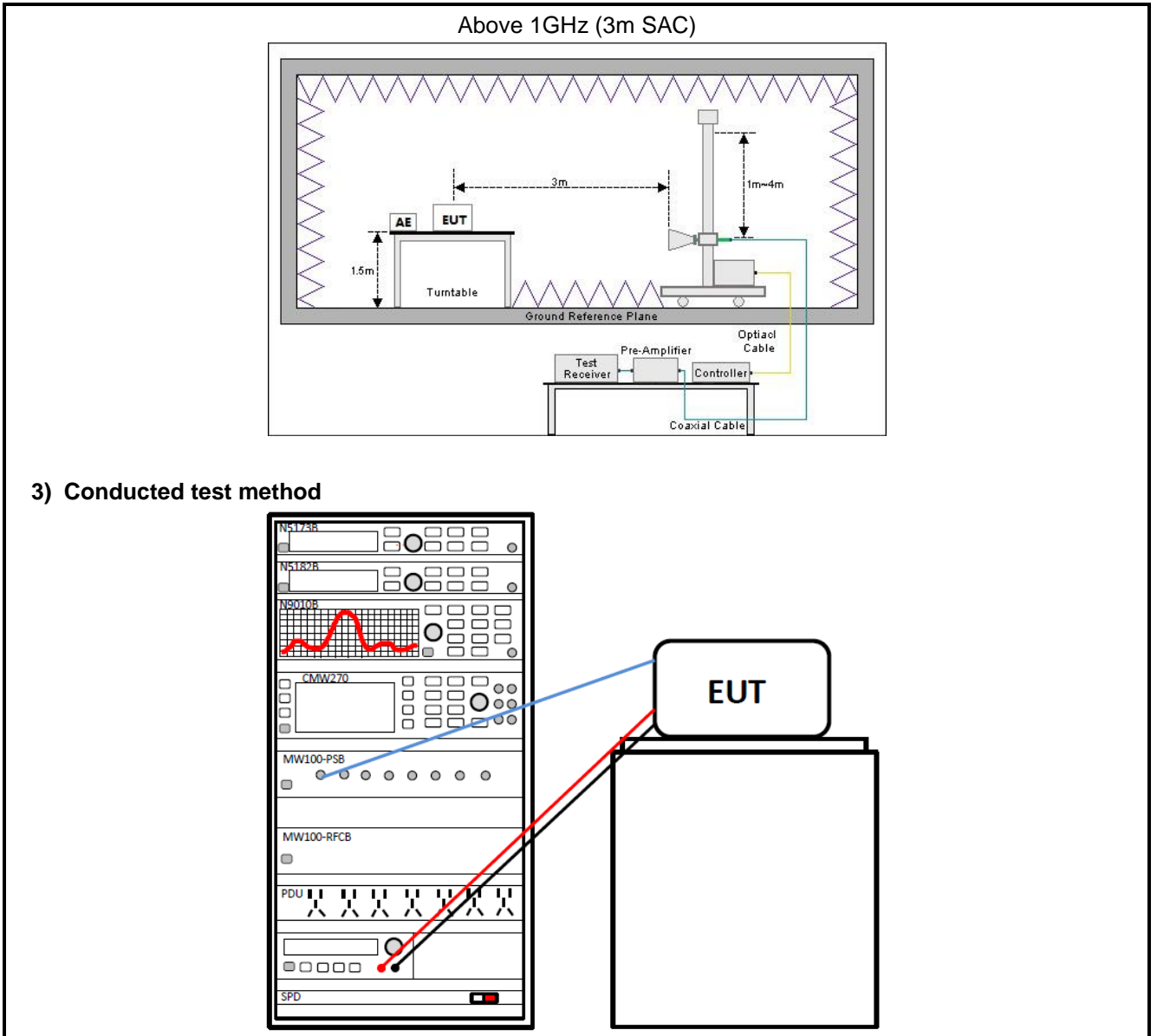
**Note:** The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

#### 2) Radiated emission measurement:

Below 1GHz (10m SAC)







### 4.3 Test Procedure

Test method	Test step
Conducted emission	<ol style="list-style-type: none"> <li>1. 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>2. 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>3. 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 on conducted measurement.</li> </ol>
Radiated emission	<p><b>For below 1GHz:</b></p> <ol style="list-style-type: none"> <li>1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 10 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 10 m.</li> <li>2. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y &amp; Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.</li> <li>3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.</li> </ol> <p><b>For above 1GHz:</b></p> <ol style="list-style-type: none"> <li>1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m.</li> <li>2. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y &amp; Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.</li> <li>3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.</li> </ol>
Conducted test method	<ol style="list-style-type: none"> <li>1. The BLE antenna port of EUT was connected to the test port of the test system through an RF cable.</li> <li>2. The EUT is keeping in continuous transmission mode and tested in all modulation modes.</li> <li>3. Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software.</li> </ol>

## 5 Test Results

### 5.1 Summary

#### 5.1.1 Clause and Data Summary

Test items	Standard clause	Test data	Result
Antenna Requirement	15.203 15.247 (b)(4)	See Section 5.2	Pass
AC Power Line Conducted Emission	15.207	See Section 5.3	Pass
Conducted Output Power	15.247 (b)(3)	Appendix A – BLE 1M PHY	Pass
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Appendix A – BLE 1M PHY	Pass
Power Spectral Density	15.247 (e)	Appendix A – BLE 1M PHY	Pass
Band-edge Emission Conduction Spurious Emission	15.247 (d)	Appendix A – BLE 1M PHY	Pass
Emissions in Restricted Frequency Bands	15.205 15.247 (d)	See Section 5.4	Pass
Emissions in Non-restricted Frequency Bands	15.209 15.247(d)	See Section 5.5	Pass
<b>Remark:</b> 1. <i>Pass: The EUT complies with the essential requirements in the standard.</i> 2. <i>N/A: Not Applicable.</i> 3. <i>The cable insertion loss used by “RF Output Power” and other conduction measurement items is 0.5dB (provided by the customer).</i>			
<b>Test Method:</b>	ANSI C63.10-2013 KDB 558074 D01 15.247 Meas Guidance v05r02		

### 5.1.2 Test Limit

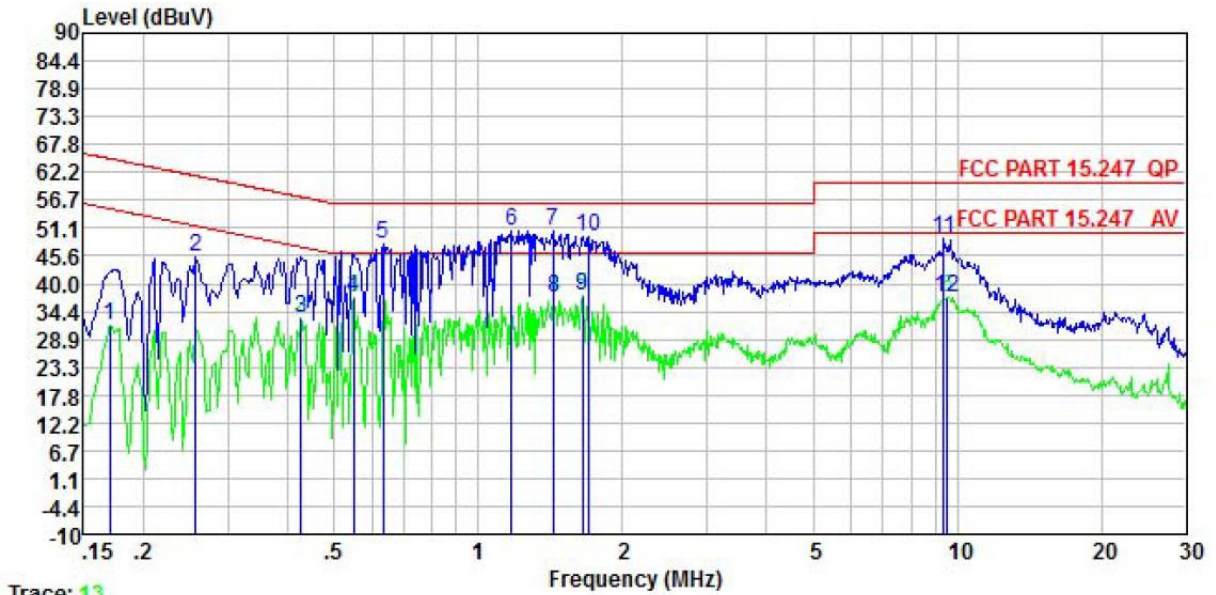
Test items	Limit																														
AC Power Line Conducted Emission	<table border="1"> <thead> <tr> <th rowspan="2">Frequency (MHz)</th> <th colspan="2">Limit (dB<math>\mu</math>V)</th> </tr> <tr> <th>Quasi-Peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15 – 0.5</td> <td>66 to 56 <small>Note 1</small></td> <td>56 to 46 <small>Note 1</small></td> </tr> <tr> <td>0.5 – 5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5 – 30</td> <td>60</td> <td>50</td> </tr> </tbody> </table> <p><b>Note 1:</b> The limit level in dB<math>\mu</math>V decreases linearly with the logarithm of frequency.  <b>Note 2:</b> The more stringent limit applies at transition frequencies.</p>	Frequency (MHz)	Limit (dB $\mu$ V)		Quasi-Peak	Average	0.15 – 0.5	66 to 56 <small>Note 1</small>	56 to 46 <small>Note 1</small>	0.5 – 5	56	46	5 – 30	60	50																
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5 – 30	60	50																													
Conducted Output Power	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.																														
6dB Emission Bandwidth	The minimum 6 dB bandwidth shall be at least 500 kHz.																														
99% Occupied Bandwidth	N/A																														
Power Spectral Density	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.																														
Band-edge Emission  Conduction Spurious Emission	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. 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. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).																														
Emissions in Restricted Frequency Bands  Emissions in Non-restricted Frequency Bands	<table border="1"> <thead> <tr> <th rowspan="2">Frequency (MHz)</th> <th colspan="2">Limit (dB<math>\mu</math>V/m)</th> <th rowspan="2">Detector</th> </tr> <tr> <th>@ 3m</th> <th>@ 10m</th> </tr> </thead> <tbody> <tr> <td>30 – 88</td> <td>40.0</td> <td>30.0</td> <td>Quasi-peak</td> </tr> <tr> <td>88 – 216</td> <td>43.5</td> <td>33.5</td> <td>Quasi-peak</td> </tr> <tr> <td>216 – 960</td> <td>46.0</td> <td>36.0</td> <td>Quasi-peak</td> </tr> <tr> <td>960 – 1000</td> <td>54.0</td> <td>44.0</td> <td>Quasi-peak</td> </tr> </tbody> </table> <p><b>Note:</b> The more stringent limit applies at transition frequencies.</p> <table border="1"> <thead> <tr> <th rowspan="2">Frequency</th> <th colspan="2">Limit (dB<math>\mu</math>V/m) @ 3m</th> </tr> <tr> <th>Average</th> <th>Peake</th> </tr> </thead> <tbody> <tr> <td>Above 1 GHz</td> <td>54.0</td> <td>74.0</td> </tr> </tbody> </table> <p><b>Note:</b> The measurement bandwidth shall be 1 MHz or greater.</p>	Frequency (MHz)	Limit (dB $\mu$ V/m)		Detector	@ 3m	@ 10m	30 – 88	40.0	30.0	Quasi-peak	88 – 216	43.5	33.5	Quasi-peak	216 – 960	46.0	36.0	Quasi-peak	960 – 1000	54.0	44.0	Quasi-peak	Frequency	Limit (dB $\mu$ V/m) @ 3m		Average	Peake	Above 1 GHz	54.0	74.0
Frequency (MHz)	Limit (dB $\mu$ V/m)		Detector																												
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## 5.2 Antenna requirement

<b>Standard requirement:</b>	FCC Part 15 C Section 15.203 /247(b)(4)
<p><b>15.203 requirement:</b>            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.</p>	
<p><b>15.247(b) (4) requirement:</b>            (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.</p>	
<b>E.U.T Antenna:</b>	
<p>The BLE antenna is an Internal antenna which cannot replace by end-user, the best case gain of the antenna is 1.1 dBi. See product internal photos for details.</p>	

### 5.3 AC Power Line Conducted Emission

Product name:	Tablet	Product model:	NewPad 10
Test by:	Ray	Test mode:	BLE Tx (LE 1M PHY)
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		



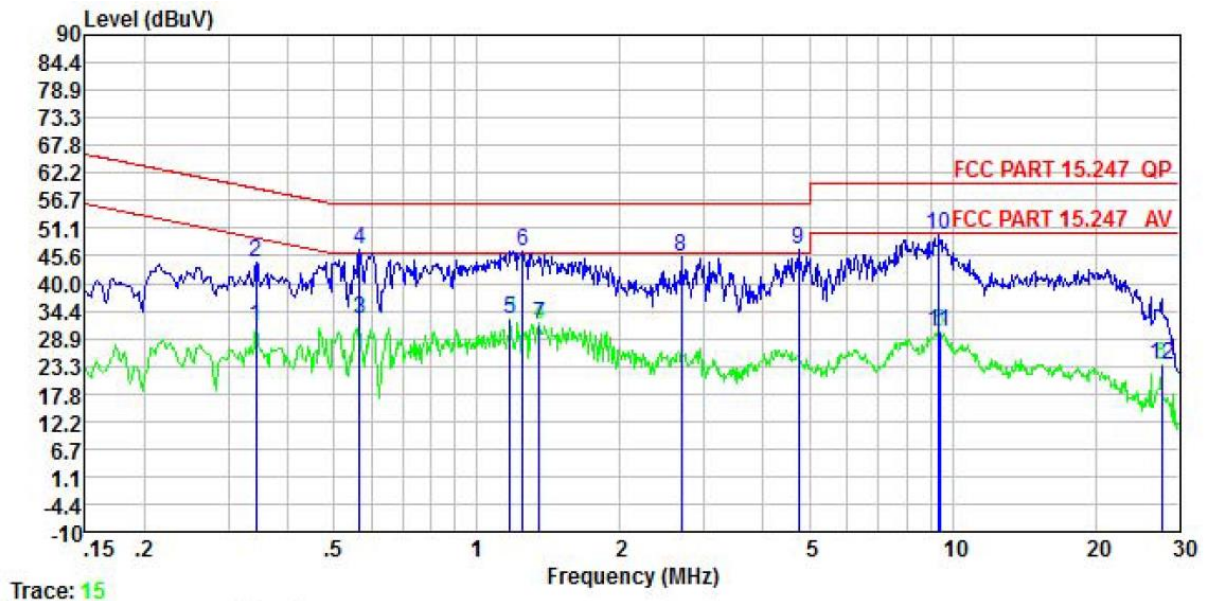
Trace: 13

	Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.170	21.10	0.04	10.50	0.01	31.65	54.94	-23.29	Average
2	0.258	34.68	0.06	10.50	0.01	45.25	61.51	-16.26	QP
3	0.426	22.74	0.05	10.50	0.03	33.32	47.33	-14.01	Average
4	0.549	26.66	0.06	10.50	0.02	37.24	46.00	-8.76	Average
5	0.634	37.30	0.06	10.50	0.02	47.88	56.00	-8.12	QP
6	1.172	39.87	0.07	10.50	0.09	50.53	56.00	-5.47	QP
7	1.433	39.79	0.08	10.50	0.13	50.50	56.00	-5.50	QP
8	1.441	26.35	0.08	10.50	0.13	37.06	46.00	-8.94	Average
9	1.654	26.87	0.08	10.50	0.17	37.62	46.00	-8.38	Average
10	1.698	38.78	0.08	10.50	0.17	49.53	56.00	-6.47	QP
11	9.352	38.15	0.21	10.50	0.12	48.98	60.00	-11.02	QP
12	9.552	26.31	0.21	10.50	0.12	37.14	50.00	-12.86	Average

**Remark:**

1. Level = Read level + LISN Factor + Cable Loss.

<b>Product name:</b>	Tablet	<b>Product model:</b>	NewPad 10
<b>Test by:</b>	Ray	<b>Test mode:</b>	BLE Tx (LE 1M PHY)
<b>Test frequency:</b>	150 kHz ~ 30 MHz	<b>Phase:</b>	Neutral
<b>Test voltage:</b>	AC 120 V/60 Hz		



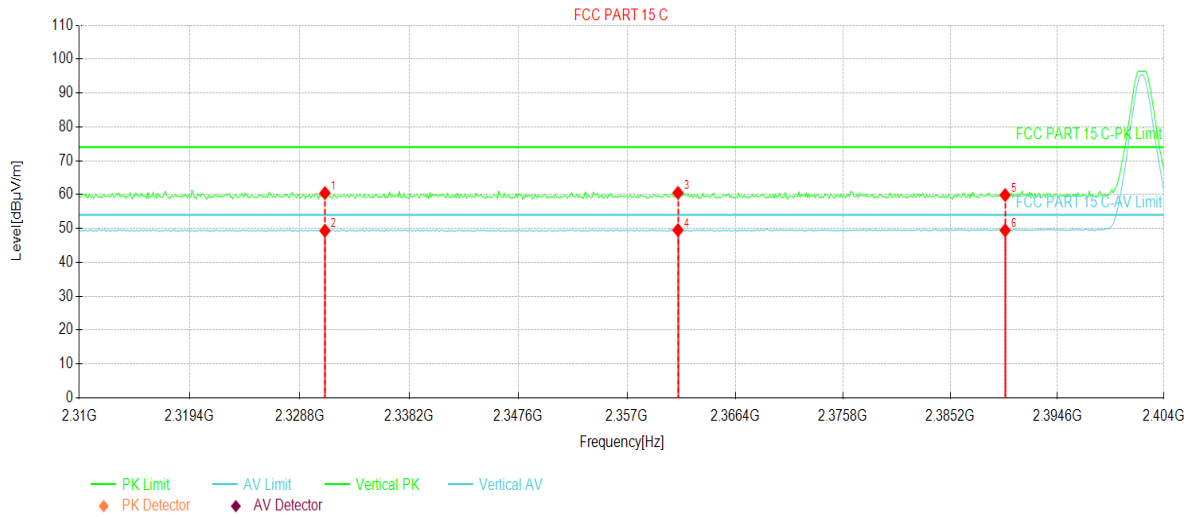
	Read Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit	Over	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.343	20.86	0.05	10.50	0.02	31.43	49.13	-17.70	Average
2	0.343	33.76	0.05	10.50	0.02	44.33	59.13	-14.80	QP
3	0.567	22.13	0.05	10.50	0.02	32.70	46.00	-13.30	Average
4	0.567	36.22	0.05	10.50	0.02	46.79	56.00	-9.21	QP
5	1.172	22.09	0.06	10.50	0.09	32.74	46.00	-13.26	Average
6	1.249	35.95	0.06	10.50	0.10	46.61	56.00	-9.39	QP
7	1.352	20.84	0.06	10.50	0.12	31.52	46.00	-14.48	Average
8	2.692	34.69	0.08	10.50	0.11	45.38	56.00	-10.62	QP
9	4.746	36.10	0.11	10.50	0.09	46.80	56.00	-9.20	QP
10	9.352	39.05	0.20	10.50	0.12	49.87	60.00	-10.13	QP
11	9.401	19.40	0.20	10.50	0.12	30.22	50.00	-19.78	Average
12	27.562	12.54	0.43	10.50	0.19	23.66	50.00	-26.34	Average

**Remark:**

1. Level = Read level + LISN Factor + Cable Loss.

### 5.4 Emissions in Restricted Frequency Bands

<b>Product Name:</b>	Tablet	<b>Product Model:</b>	NewPad 10
<b>Test By:</b>	Ray	<b>Test mode:</b>	BLE Tx (LE 1M PHY)
<b>Test Channel:</b>	Lowest channel	<b>Polarization:</b>	Vertical
<b>Test Voltage:</b>	DC 3.7V		



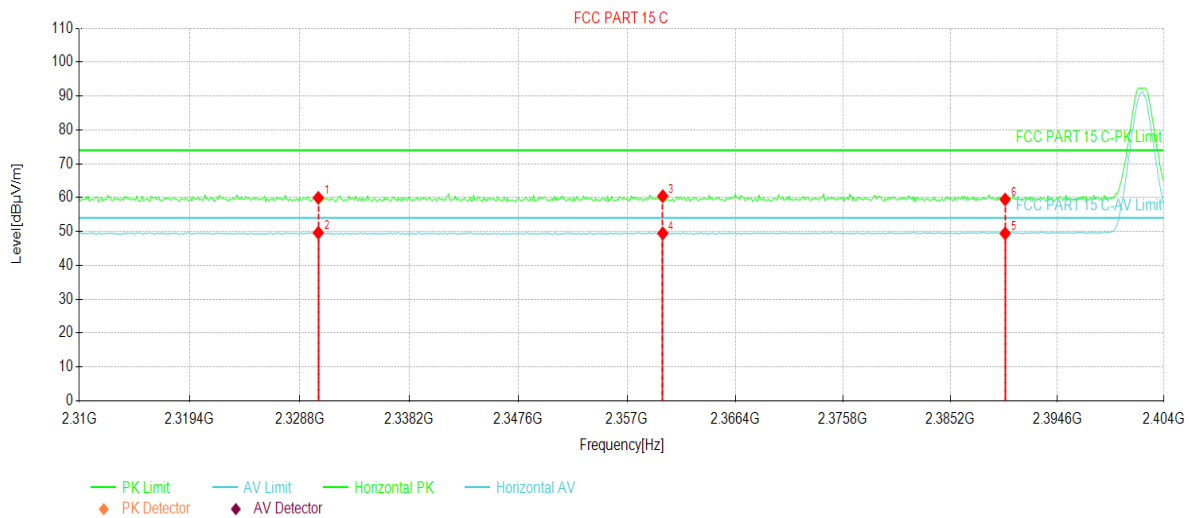
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2330.96	24.66	60.45	35.79	74.00	13.55	PK	Vertical
2	2330.96	13.55	49.34	35.79	54.00	4.66	AV	Vertical
3	2361.41	24.51	60.51	36.00	74.00	13.49	PK	Vertical
4	2361.41	13.54	49.54	36.00	54.00	4.46	AV	Vertical
5	2390.00	23.59	59.87	36.28	74.00	14.13	PK	Vertical
6	2390.00	13.18	49.46	36.28	54.00	4.54	AV	Vertical

**Remark:**

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor).



<b>Product Name:</b>	Tablet	<b>Product Model:</b>	NewPad 10
<b>Test By:</b>	Ray	<b>Test mode:</b>	BLE Tx (LE 1M PHY)
<b>Test Channel:</b>	Lowest channel	<b>Polarization:</b>	Horizontal
<b>Test Voltage:</b>	DC 3.7V		

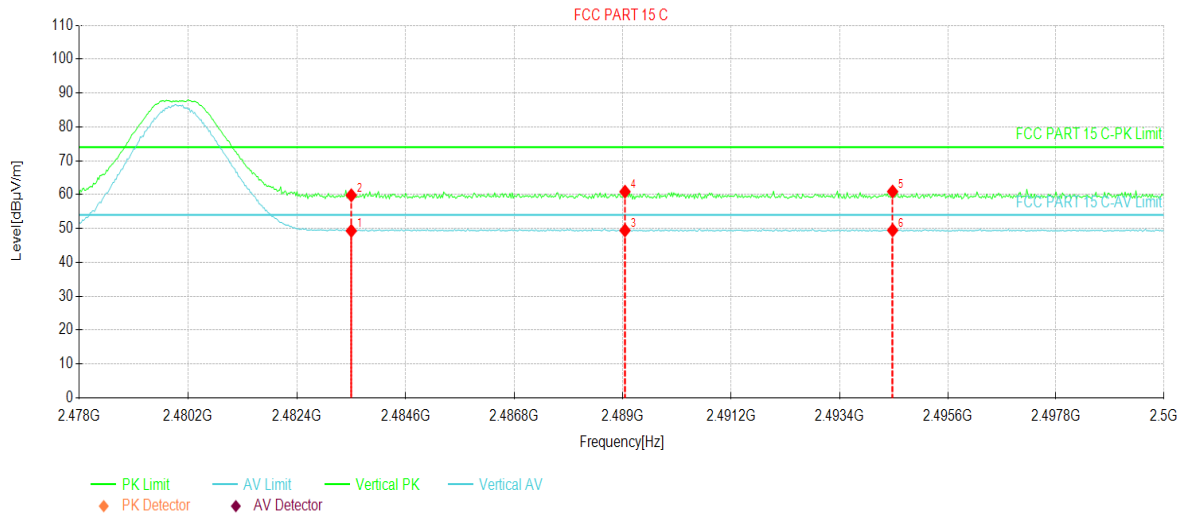


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2330.39	24.15	59.94	35.79	74.00	14.06	PK	Horizontal
2	2330.39	13.84	49.63	35.79	54.00	4.37	AV	Horizontal
3	2360.10	24.45	60.44	35.99	74.00	13.56	PK	Horizontal
4	2360.10	13.47	49.46	35.99	54.00	4.54	AV	Horizontal
5	2390.00	13.14	49.42	36.28	54.00	4.58	AV	Horizontal
6	2390.00	23.17	59.45	36.28	74.00	14.55	PK	Horizontal

**Remark:**

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor).

<b>Product Name:</b>	Tablet	<b>Product Model:</b>	NewPad 10
<b>Test By:</b>	Ray	<b>Test mode:</b>	BLE Tx (LE 1M PHY)
<b>Test Channel:</b>	Highest channel	<b>Polarization:</b>	Vertical
<b>Test Voltage:</b>	DC 3.7V		

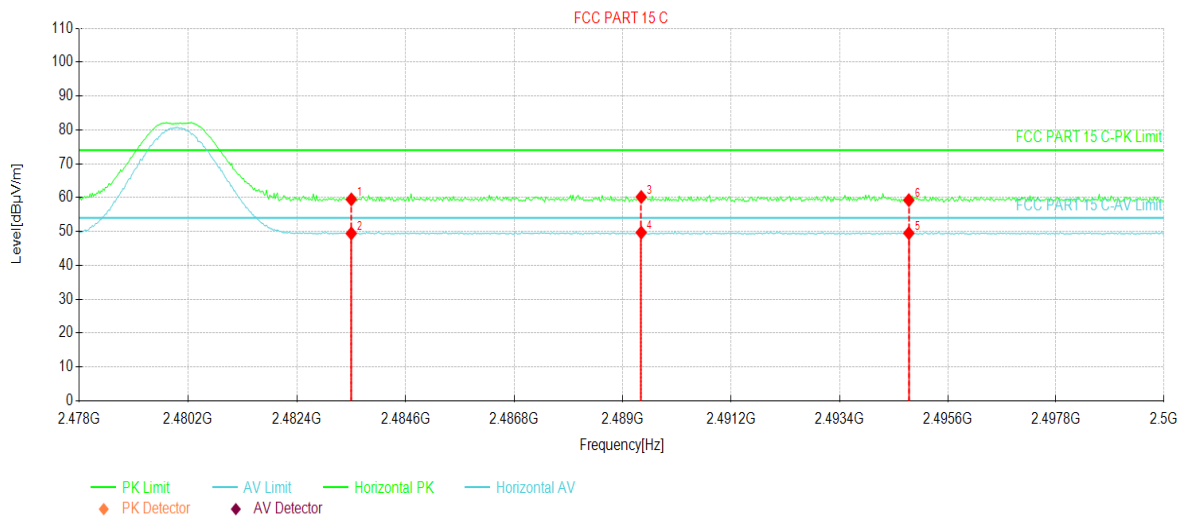


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.50	12.97	49.31	36.34	54.00	4.69	AV	Vertical
2	2483.50	23.46	59.80	36.34	74.00	14.20	PK	Vertical
3	2489.04	13.11	49.43	36.32	54.00	4.57	AV	Vertical
4	2489.04	24.55	60.87	36.32	74.00	13.13	PK	Vertical
5	2494.47	24.61	60.91	36.30	74.00	13.09	PK	Vertical
6	2494.47	13.18	49.48	36.30	54.00	4.52	AV	Vertical

**Remark:**

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor).

<b>Product Name:</b>	Tablet	<b>Product Model:</b>	NewPad 10
<b>Test By:</b>	Ray	<b>Test mode:</b>	BLE Tx (LE 1M PHY)
<b>Test Channel:</b>	Highest channel	<b>Polarization:</b>	Horizontal
<b>Test Voltage:</b>	DC 3.7V		



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.50	23.12	59.46	36.34	74.00	14.54	PK	Horizontal
2	2483.50	13.10	49.44	36.34	54.00	4.56	AV	Horizontal
3	2489.37	23.86	60.18	36.32	74.00	13.82	PK	Horizontal
4	2489.37	13.36	49.68	36.32	54.00	4.32	AV	Horizontal
5	2494.80	13.20	49.50	36.30	54.00	4.50	AV	Horizontal
6	2494.80	22.95	59.25	36.30	74.00	14.75	PK	Horizontal

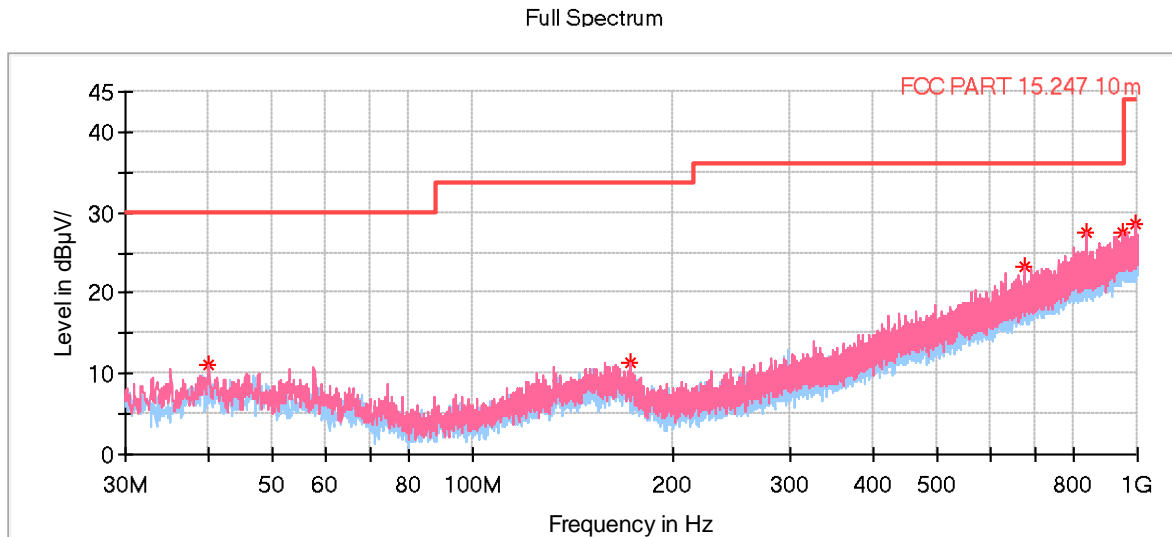
**Remark:**

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor).

## 5.5 Emissions in Non-restricted Frequency Bands

Below 1GHz:

Product Name:	Tablet	Product Model:	NewPad 10
Test By:	Ray	Test mode:	BLE Tx (LE 1M PHY)
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 3.7V		



\* Critical\_Freqs PK+      — FCC PART 15.247 10m      ◆ Final\_Result QPK  
— Preview Result 1H-PK+      — Preview Result 1V-PK+

### Critical\_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Comment
40.136500	11.23	30.00	18.77	100.0	V	349.0	-15.3	10:00:01 - 2023/6/27
172.784000	11.42	33.50	22.08	100.0	V	60.0	-15.5	10:00:01 - 2023/6/27
677.717500	23.20	36.00	12.80	100.0	V	158.0	-5.1	10:03:30 - 2023/6/27
836.603500	27.57	36.00	8.43	100.0	V	0.0	-2.2	10:00:01 - 2023/6/27
952.179000	27.57	36.00	8.43	100.0	V	23.0	0.1	10:00:01 - 2023/6/27
992.240000	28.72	44.00	15.28	100.0	V	0.0	0.3	10:03:34 - 2023/6/27

**Remark:**

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

**Above 1GHz:**

BLE Tx (LE 1M PHY)						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4804.00	55.72	-9.60	46.12	74.00	27.88	Vertical
4804.00	56.87	-9.60	47.27	74.00	26.73	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4804.00	48.88	-9.60	39.28	54.00	14.72	Vertical
4804.00	49.61	-9.60	40.01	54.00	13.99	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4884.00	56.20	-9.04	47.16	74.00	26.84	Vertical
4884.00	56.85	-9.04	47.81	74.00	26.19	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4884.00	49.32	-9.04	40.28	54.00	13.72	Vertical
4884.00	49.39	-9.04	40.35	54.00	13.65	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4960.00	56.12	-8.45	47.67	74.00	26.33	Vertical
4960.00	56.41	-8.45	47.96	74.00	26.04	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4960.00	48.42	-8.45	39.97	54.00	14.03	Vertical
4960.00	49.61	-8.45	41.16	54.00	12.84	Horizontal
<b>Remark:</b>						
1. Level = Reading + Factor.						
2. Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

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