

FCC Test Report

Product Name	Rugged Tablet
Model No	PA501BXXXXXXX (X for marketing used only: can be alphanumeric or blank)
FCC ID	2ABTU-PA501B

Applicant	RuggON Corporation
Address	4F, No. 298, Yang Guang St., Neihu Dist., Taipei City, Taiwan

Date of Receipt	May. 30, 2019
Issued Date	Sep. 11, 2019
Report No.	1950454R-RFUSP52V00
Report Version	V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

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Test Report

Issued Date: Sep. 11, 2019

Report No.: 1950454R-RFUSP52V00



Product Name	Rugged Tablet
Applicant	RuggON Corporation
Address	4F, No. 298, Yang Guang St., Neihu Dist., Taipei City, Taiwan
Manufacturer	RuggON Corporation
Model No.	PA501BXXXXXX (X for marketing used only: can be alphanumeric or blank)
FCC ID.	2ABTU-PA501B
EUT Rated Voltage	AC 100-240V, 50-60Hz
EUT Test Voltage	AC 120V / 60Hz
Trade Name	RuggON
Applicable Standard	FCC CFR Title 47 Part 15 Subpart E: 2017 ANSI C63.4: 2014, ANSI C63.10: 2013 789033 D02 General UNII Test Procedures New Rules v02
Test Result	Complied

Documented By : Anny Chou

(Senior Adm. Specialist / Anny Chou)

Tested By : Sam Hsu

(Engineer / Sam Hsu)

Approved By : Vincent Lin

(Director / Vincent Lin)

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Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Rugged Tablet
Trade Name	RuggON
FCC ID.	2ABTU-PA501B
Model No.	PA501BXXXXXX (X for marketing used only: can be alphanumeric or blank)
Frequency Range	802.11a/n/ac-20MHz: 5180-5320MHz, 5500-5720MHz, 5745-5825MHz 802.11n/ac-40MHz: 5190-5310, 5510-5710MHz, 5755-5795MHz 802.11ac-80MHz: 5210-5290MHz, 5530-5690MHz, 5775MHz
Number of Channels	802.11a/n/ac-20MHz: 25, 802.11n/ac-40MHz: 12, 802.11ac-80MHz: 5
Data Rate	802.11a: 6 - 54Mbps 802.11n: up to 300Mbps 802.11ac-80MHz: up to 866.7Mbps
Type of Modulation	802.11a/n/ac: OFDM, BPSK, QPSK, 16QAM, 64QAM, 256QAM
Antenna Type	PIFA Antenna
Channel Control	Auto
Antenna Gain	Refer to the table "Antenna List"
Power Adapter	MFR: FSP, M/N: FSP065-RBBN3 Input: AC 100-240Vac, 1.5A 50/60Hz Output: 19V---3.42A Cable Out: Non-shielded, 1.5m, with one ferrite core bonded.

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	AnJie	AJDQ1J-B0024(Main) AJDQ1J-W0001(Aux)	PIFA	Main: 3.58dBi for 5150-5250MHz 3.58dBi for 5250-5350MHz 2.85dBi for 5470-5725MHz Aux: 2.89dBi for 5150-5250MHz 2.49dBi for 5250-5350MHz 1.93dBi for 5470-5725MHz

1.2. Test Summary

Part 15C Requirement

Requirement – Test Item	Result
Output Power	Pass
Spurious emissions	Pass
Band edge	Pass

Part 22H,Part 24E,Part 27,Part 90 Requirement

Requirement – Test Item	Result
EIRP	Pass
Spurious emissions	Pass

802.11a/n/ac-20MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 36:	5180 MHz	Channel 40:	5200 MHz	Channel 44:	5220 MHz	Channel 48:	5240 MHz
Channel 52:	5260 MHz	Channel 56:	5280 MHz	Channel 60:	5300 MHz	Channel 64:	5320 MHz
Channel 100:	5500 MHz	Channel 104:	5520 MHz	Channel 108:	5540 MHz	Channel 112:	5560 MHz
Channel 116:	5580 MHz	Channel 120:	5600 MHz	Channel 124:	5620 MHz	Channel 128:	5640 MHz
Channel 132:	5660 MHz	Channel 136:	5680 MHz	Channel 140:	5700 MHz	Channel 144:	5720 MHz
Channel 149:	5745 MHz	Channel 153:	5765 MHz	Channel 157:	5785 MHz	Channel 161:	5805 MHz
Channel 165:	5825 MHz						

802.11n/ac-40MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 38:	5190 MHz	Channel 46:	5230 MHz	Channel 54:	5270 MHz	Channel 62:	5310 MHz
Channel 102:	5510 MHz	Channel 110:	5550 MHz	Channel 118:	5590 MHz	Channel 126:	5630 MHz
Channel 134:	5670 MHz	Channel 142:	5710 MHz	Channel 151:	5755 MHz	Channel 159:	5795 MHz

802.11ac-80MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 42:	5210 MHz	Channel 58:	5290 MHz	Channel 106:	5530 MHz	Channel 138:	5690 MHz
Channel 155:	5775 MHz						

Note:

1. This device is an Rugged Tablet, Contains functions on NFC, 2.4G and 5G band WIFI and WWAN with Bluetooth (V5.0 and V3.0+HS, V2.1+EDR) combo card module transceiver, this report for 5GHz WLAN.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
3. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report.
4. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance of transmitter with Part 15 Subpart E for Unlicensed National Information Infrastructure devices.
5. This device contains the certified FCC ID: 2ABTU-MS01PRO, This is a WLAN/WWAN/BT Combo Card, the original certified module uses Dipole Antenna, and final product addition the antenna a PIFA Antenna.
6. The consider Co-Location based on KDB 996369 D02 Question 1 and KDB 996369 D04 for Radiated Spurious Emission & SAR testing
7. Since the antenna gain and output power are both smaller than the original certification, the final product complies with the KDB 178919 Section II.B) ERP/EIRP rules.
8. The final test results meets all the applicable FCC rules, including FCC Part 15C and Part 22H, Part 24E, Part 27 Part 90.

Test Mode (Simultaneous Transmit)	Mode 1:802.11a_Band 1+GSM850_836.4MHz+NFC Mode 2:802.11n20_Band 1+GSM1900_1880MHz+NFC Mode 3:802.11n40_Band 1+WCDMA BandII_1880MHz+NFC Mode 4:802.11ac-80_Band 1+WCDMA BandIV_1732.6MHz+NFC Mode 5:802.11a_Band 2a+WCDMA Band V_836.4MHz+NFC Mode 6:802.11n20_Band 2a+LTE FDD Band 2_20M 1880MHz+NFC Mode 7:802.11n40_Band 2a+LTE FDD Band 4_20M 1732.5MHz+NFC Mode 8:802.11ac80_Band 2a+LTE FDD Band 5_10M 836.5MHz+NFC Mode 9:802.11a_Band 2c+LTE FDD Band 12_10M 707.5MHz+NFC Mode 10:802.11n20_Band 2c+LTE FDD Band 13_10M 782.5MHz+NFC Mode 11:802.11n40_Band 2c+LTE FDD Band 17_10M 710MHz+NFC Mode 12:802.11ac80_Band 2c+LTE FDD Band 25_20M 1882.5MHz+NFC Mode 13:802.11a_Band 3+LTE FDD Band 26_15M 831.5MHz+NFC Mode 14:802.11n20_Band 3+GSM850_836.4MHz+NFC Mode 15:802.11n40_Band 3+GSM1900_1880MHz+NFC Mode 16:802.11ac80_Band 3+WCDMA Band II_1880MHz+NFC
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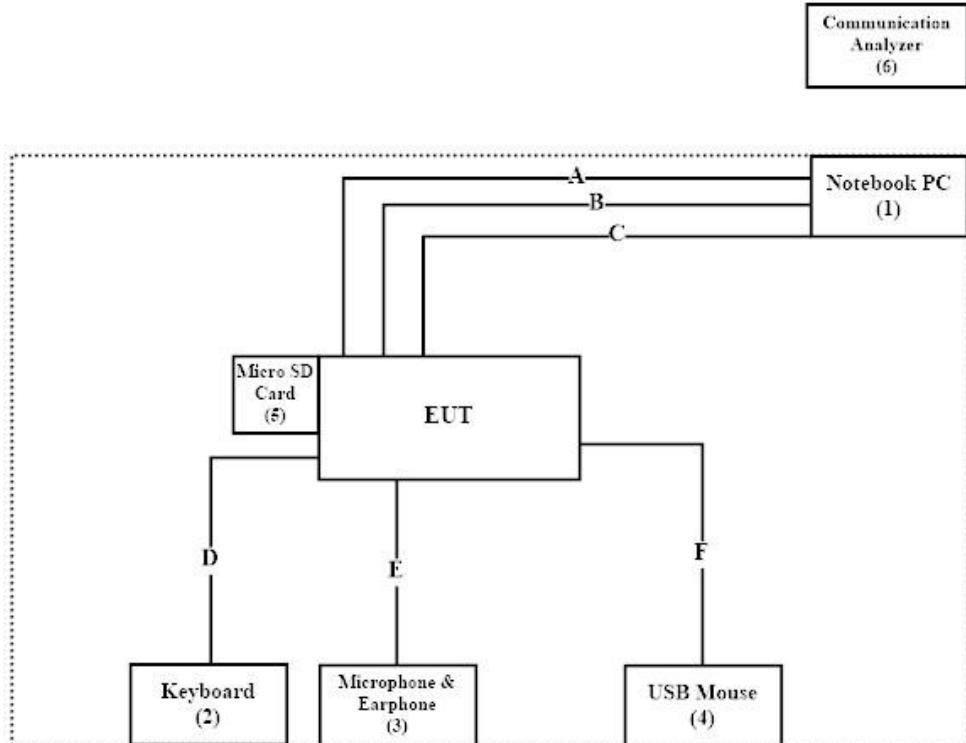
1.4. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	Power Cord
1 Notebook PC	DELL	Latitude 5491	1PL56S2	N/A
2 Keyboard	DELL	SK-8115	MY-0DJ325-71619-79D-0178	N/A
3 Microphone & Earphone	Ergotech	ET-E201	N/A	N/A
4 USB Mouse	Logitech	M-BE58	HCA30103357	N/A
5 Micro SD Card 1GB	SanDisk	N/A	0801002841D2N	N/A
6 Communication Analyzer	Anritsu	MT8820C	6201091166	N/A

Signal Cable Type	Signal cable Description
A USB Cable	Shielded, 1.8m
B USB Cable	Shielded, 2.1m
C LAN Cable	Shielded, 3m
D Keyboard Cable	Shielded, 1.8m
E Microphone & Earphone Cable	Shielded, 2m
F Mouse Cable	Shielded, 1.8m

1.5. Configuration of tested System



1.6. EUT Exercise Software

- (1) Setup the EUT as shown on 1.4
- (2) Execute software “QRCT V3.0.268.0” on the EUT.
- (3) The Communication Analyzer (MT8820C) uses in controlling EUT to transmit continuously.
- (4) Configure the test mode, the test channel, and the data rate.
- (5) Start the continuous transmission.
- (6) Verify that the EUT works properly.

1.7. Test Facility

Ambient conditions in the laboratory:

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	20-35
Humidity (%RH)	25-75	50-65
Barometric pressure (mbar)	860-1060	950-1000

USA : FCC Registration Number: TW3023

Canada : IC Registration Number: 4075A

Site Description: Accredited by TAF
Accredited Number: 3023

Test Laboratory: DEKRA Testing and Certification Co., Ltd

Address: No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451,
Taiwan, R.O.C.

Phone number: 886-2-8601-3788

Fax number: 886-2-8601-3789

Email address: info.tw@dekra.com

Website: <http://www.dekra.com.tw>

1.8. List of Test Equipment

For Conducted measurements /CB3/SR8

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
	Temperature Chamber	WIT GROUP	TH-1S-B	EQ-201-00146	2019/02/26	2020/02/25
X	Spectrum Analyzer	Agilent	N9010A	MY53470892	2018/09/27	2019/09/26
X	Peak Power Analyzer	Keysight	8990B	MY51000410	2019/07/30	2020/07/29
X	Wideband Power Sensor	Keysight	N1923A	MY56080003	2019/07/30	2020/07/29
X	Wideband Power Sensor	Keysight	N1923A	MY56080004	2019/07/30	2020/07/29
X	EMI Test Receiver	R&S	ESCS 30	100369	2018/11/19	2019/11/18
X	LISN	R&S	ENV216	101105	2019/04/10	2020/04/09
X	LISN	R&S	ESH3-Z5	836679/014	2019/04/10	2020/04/09
X	Coaxial Cable	DEKRA	RG 400	LC018-RG	2018/06/21	2019/06/20

For Radiated measurements /Site3/CB8

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	Spectrum Analyzer	R&S	FSP40	100170	2019/03/11	2020/03/10
X	Communication Analyzer	Anritsu	MT8820C	6201091166	2019/03/21	2020/03/20
X	Loop Antenna	Teseq	HLA6121	37133	2017/10/13	2019/10/12
X	Bilog Antenna	Schaffner Chase	CBL6112B	2707	2019/06/23	2020/06/22
X	Coaxial Cable	DEKRA	RG 214	LC003-RG	2019/06/13	2020/06/12
X	Pre-Amplifier	Jet-Power	JPA-10M1G33	170101000330	2019/06/13	2020/06/12
X	Horn Antenna	ETS-Lindgren	3117	00135205	2019/04/30	2020/04/29
X	Horn Antenna	SCHWARZBECK	9120D	576	2018/12/18	2019/12/17
X	Pre-Amplifier	EMCI	EMC012630SE	980210	2019/04/16	2020/04/15
X	Horn Antenna	Com-Power	AH-840	101043	2019/01/19	2020/01/18
X	Amplifier + Cable	EMCI	EMC184045SE	980370	2019/03/27	2020/03/26
X	Filter	MICRO-TRONICS	BRM50702	G270	2019/08/08	2020/08/07
X	Filter	MICRO-TRONICS	BRM50716	G196	2019/08/08	2020/08/07

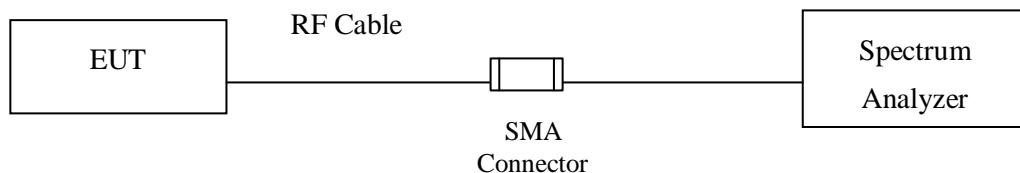
Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version :QuieTek EMI 2.0 V2.1.113.

2. Maximum conducted output power

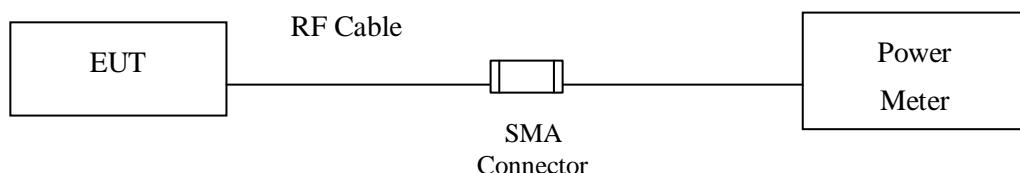
2.1. Test Setup

99% Occupied Bandwidth

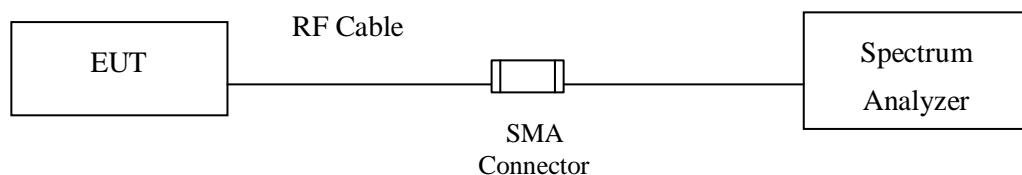


Conduction Power Measurement

Conduction Power Measurement (for 802.11an)



Conduction Power Measurement (for 802.11ac)



2.2. Limits

For the band 5.15-5.25 GHz,

- (i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).
- (ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-topoint U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.
- (iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 99% emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point UNII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

The final test results meets all the applicable FCC rules, including FCC Part 15C and Part 22H, Part 24E, Part 27 Part 90.

2.3. Test Procedure

As an alternative to FCC KDB-789033, the EUT maximum conducted output power was measured with an average power meter employing a video bandwidth greater the 6dB BW of the emission under test. Maximum conducted output power was read directly from the meter across all data rates, and across three channels within each sub-band. Special care was used to make sure that the EUT was transmitting in continuous mode. This method exceeds the limitations of FCC KDB-789033, and provides more accurate measurements.

802.11an (BW \leq 40MHz) Maximum conducted output power using KDB 789033 section E)3)b)
Method PM-G (Measurement using a gated RF average power meter)

Note: the power meter have a video bandwidth that is greater than or equal to the measurement bandwidth.

802.11ac (BW=80MHz) Maximum conducted output power using KDB 789033 section E)2)b)
Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep).

When transmitted signals consist of two or more non-contiguous spectrum segments (e.g., 80+80 MHz mode) or when a single spectrum segment of a transmission crosses the boundary between two adjacent U-NII bands, KDB 644545 D03 section D) procedure is used for measurements.

2.4. Uncertainty

$\pm 1.27\text{dB}$

2.5. Test Result of Maximum conducted output power

Product : Rugged Tablet
 Test Item : Maximum conducted output power
 Test Date : 2019/09/06
 Test Mode : Transmit 802.11a

CHAIN A

Cable loss=1dB		Maximum conducted output power									
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit	
		6	9	12	18	24	36	48	54		
		Measurement Level (dBm)									
36	5180	18.05	--	--	--	--	--	--	--	<24dBm	
44	5220	18.28	18.21	18.11	17.98	17.89	17.81	17.69	17.59	<24dBm	
48	5240	18.31	--	--	--	--	--	--	--	<24dBm	
52	5260	18.08	--	--	--	--	--	--	--	<24dBm	
60	5300	18.05	17.93	17.81	17.74	17.65	17.54	17.41	17.29	<24dBm	
64	5320	17.99	--	--	--	--	--	--	--	<24dBm	
100	5500	18.2	--	--	--	--	--	--	--	<24dBm	
116	5580	18.53	18.46	18.35	18.24	18.17	18.10	18.02	17.92	<24dBm	
140	5700	18.72	--	--	--	--	--	--	--	<24dBm	
144(U-NII-2C)	5720	19.01	18.92	18.8	18.66	18.56	18.49	18.37	18.25	<24dBm	
144(U-NII-3)	5720	12.23	12.15	12.01	11.88	11.81	11.73	11.63	11.49	<30dBm	
149	5745	1.04	--	--	--	--	--	--	--	<30dBm	
157	5785	18.77	18.69	18.59	18.48	18.38	18.26	18.14	18.02	<30dBm	
165	5825	18.49	--	--	--	--	--	--	--	<30dBm	

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

CHAIN B

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		6	9	12	18	24	36	48	54	
		Measurement Level (dBm)								
36	5180	17.77	--	--	--	--	--	--	--	<24dBm
44	5220	18.11	17.97	17.9	17.82	17.73	17.66	17.58	17.45	<24dBm
48	5240	18.01	--	--	--	--	--	--	--	<24dBm
52	5260	18.09	--	--	--	--	--	--	--	<24dBm
60	5300	17.81	17.74	17.67	17.59	17.49	17.35	17.21	17.14	<24dBm
64	5320	17.72	--	--	--	--	--	--	--	<24dBm
100	5500	17.41	--	--	--	--	--	--	--	<24dBm
116	5580	17.29	17.22	17.13	17.06	16.96	16.87	16.78	16.66	<24dBm
140	5700	17.33	--	--	--	--	--	--	--	<24dBm
144(U-NII-2C)	5720	17.5	17.39	17.3	17.23	17.12	17.03	16.94	16.81	<24dBm
144(U-NII-3)	5720	10.8	10.69	10.55	10.47	10.39	10.32	10.23	10.11	<30dBm
149	5745	17.53	--	--	--	--	--	--	--	<30dBm
157	5785	17.27	17.19	17.1	17	16.89	16.76	16.67	16.53	<30dBm
165	5825	20.83	--	--	--	--	--	--	--	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:
(CHAIN A+ B)

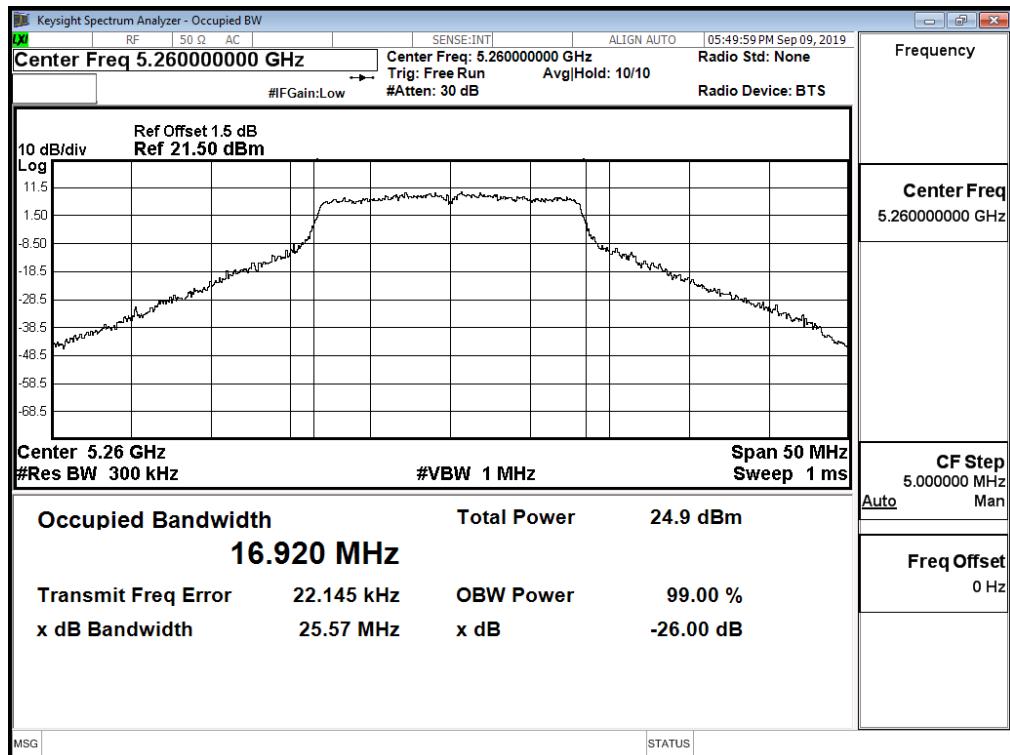
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Chain A Power	Chain B Power	Output Power	Output Power Limit	
			(dBm)	(dBm)	(dBm)	(dBm)	(dBm+10log(BW))
36	5180	--	18.05	17.77	20.92	24	--
44	5220	--	18.28	18.11	21.21	24	--
48	5240	--	18.31	18.01	21.17	24	--
52	5260	16.796	18.08	18.09	21.10	24	23.25
60	5300	16.808	18.05	17.81	20.94	24	23.26
64	5320	16.777	17.99	17.72	20.87	24	23.25
100	5500	16.868	18.20	17.41	20.83	24	23.27
116	5580	16.966	18.53	17.29	20.96	24	23.30
140	5700	16.976	18.72	17.33	21.09	24	23.30
144(U-NII-2C)	5720	13.725	19.010	17.500	21.33	24	22.37
144(U-NII-3)	5720	--	12.230	10.800	14.58	30	--
149	5745	--	1.04	17.53	17.63	30	--
157	5785	--	18.77	17.27	21.09	30	--
165	5825	--	18.49	20.83	22.83	30	--

Note:

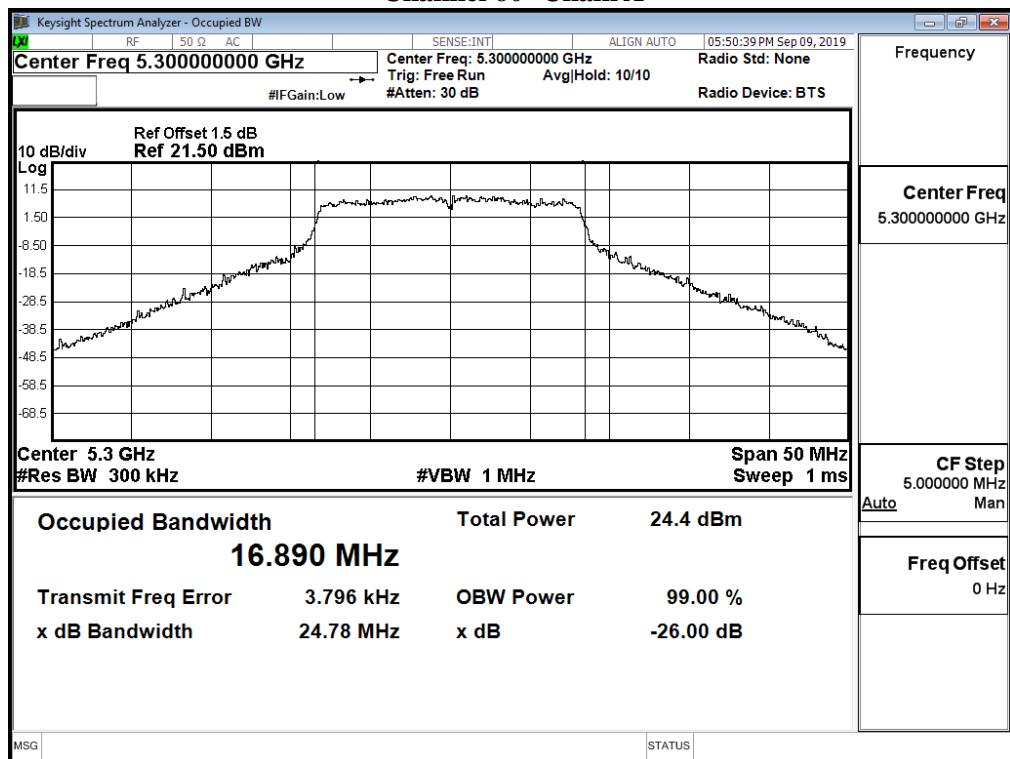
1. Power Output Value =Reading value on average power meter + cable loss
 2. Output Power (dBm) = $10\text{LOG} (\text{Chain A Power (mW)} + \text{Chain B Power (mW)})$
- 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

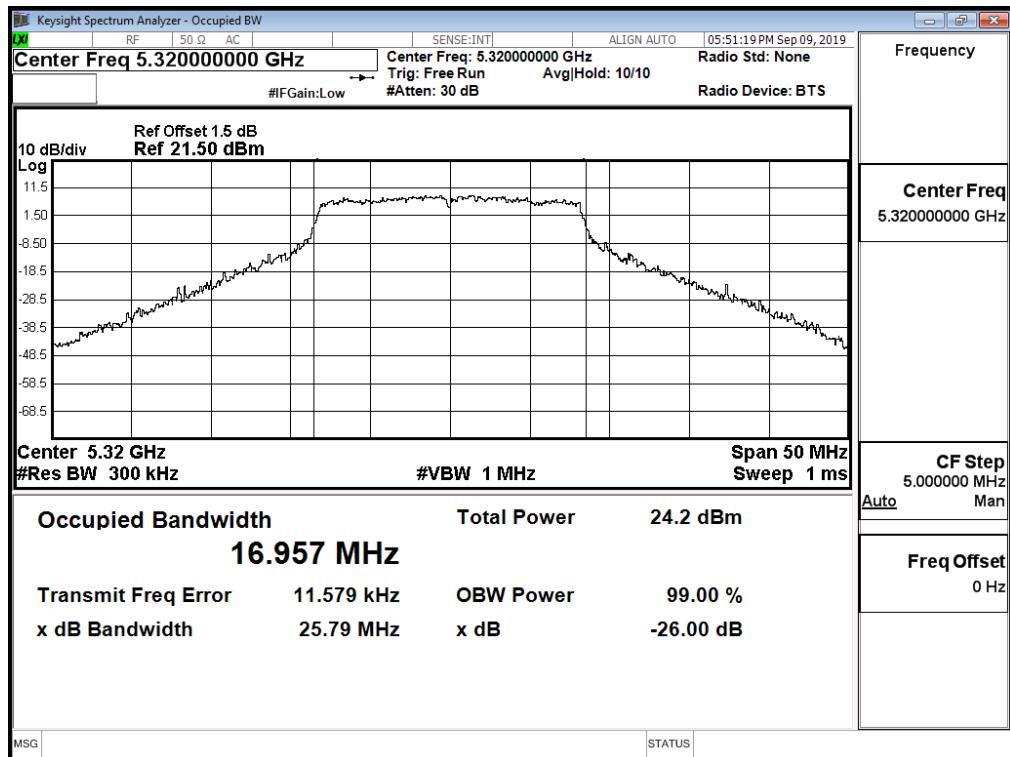
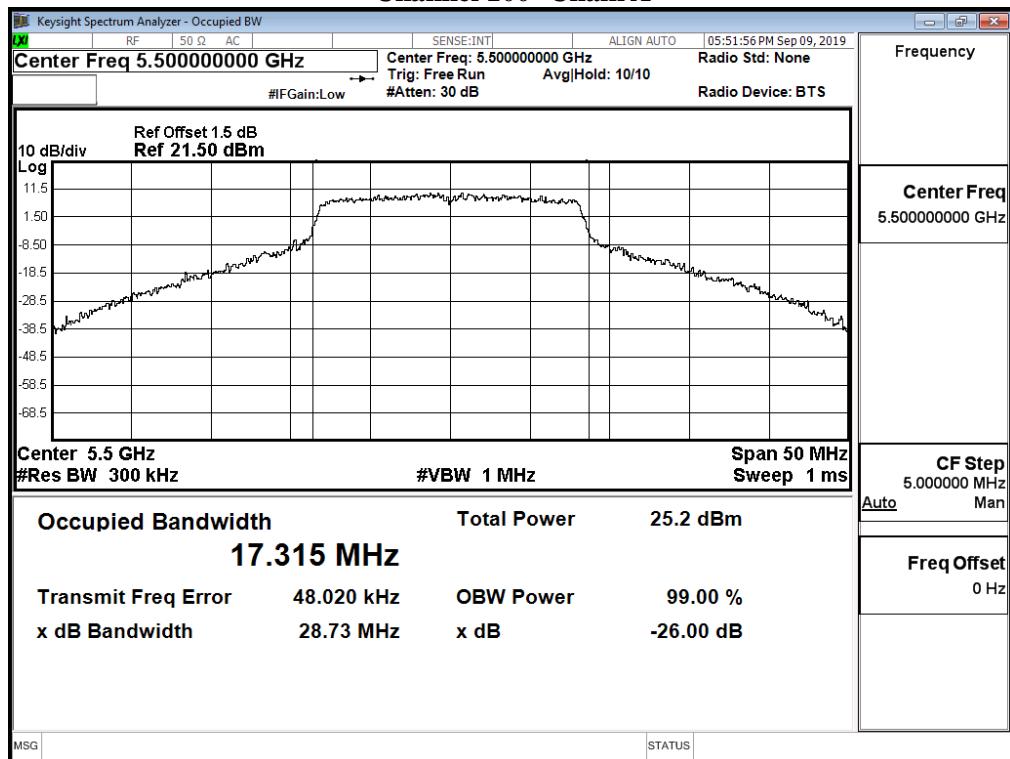
99% Occupied Bandwidth:

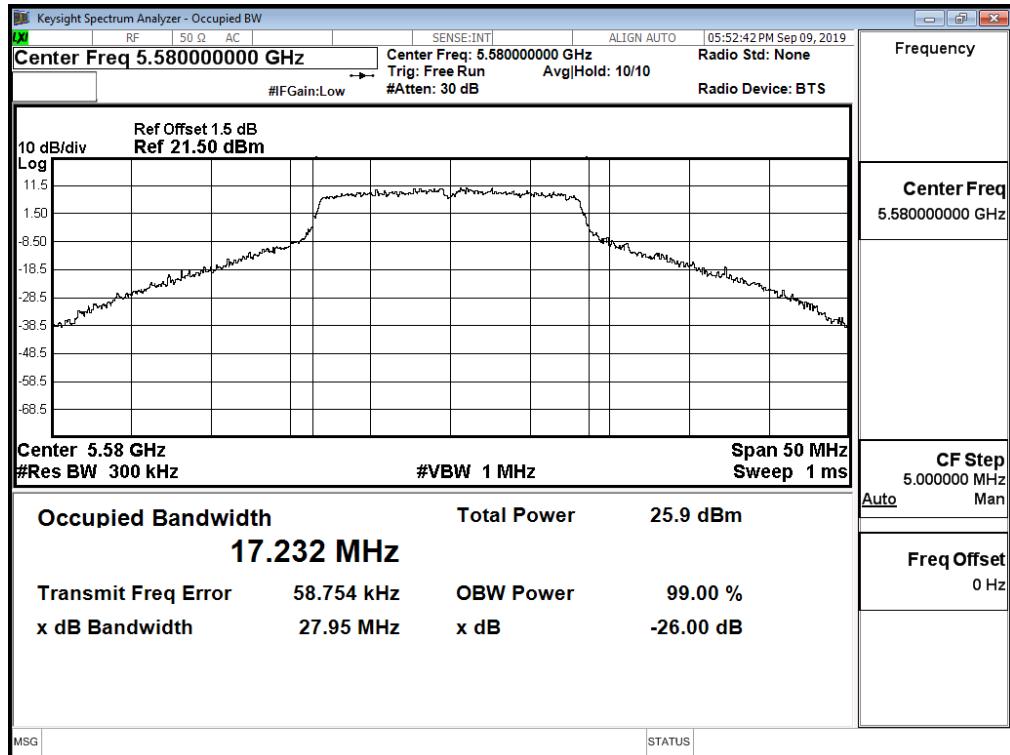
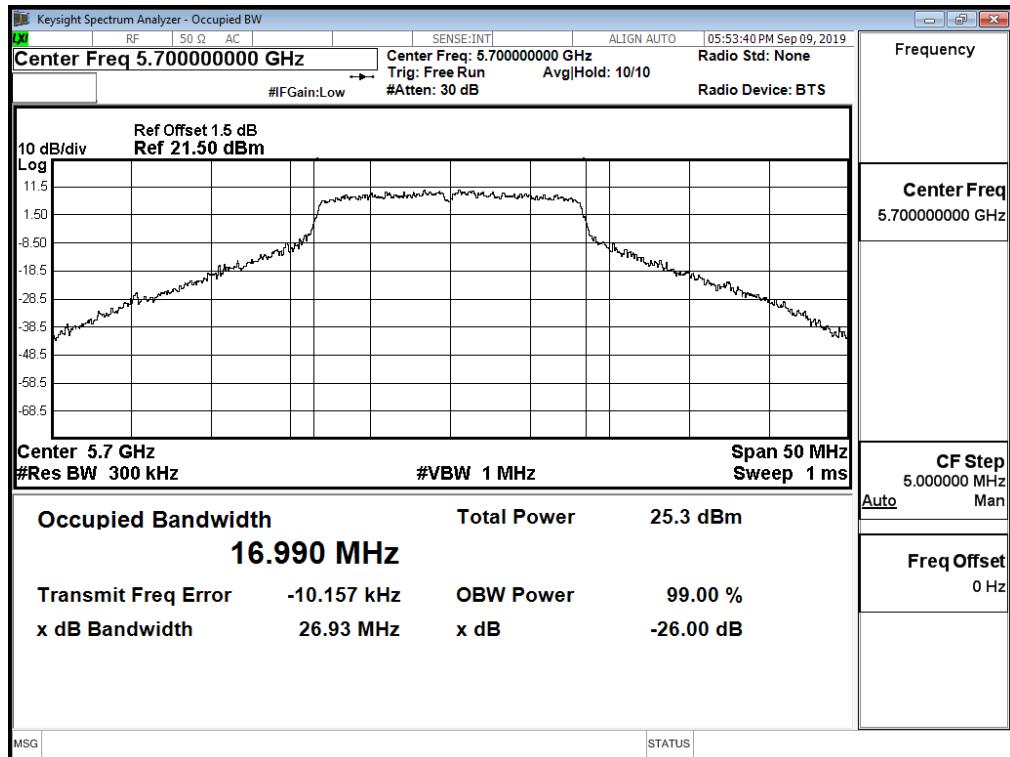
Channel 52 -Chain A



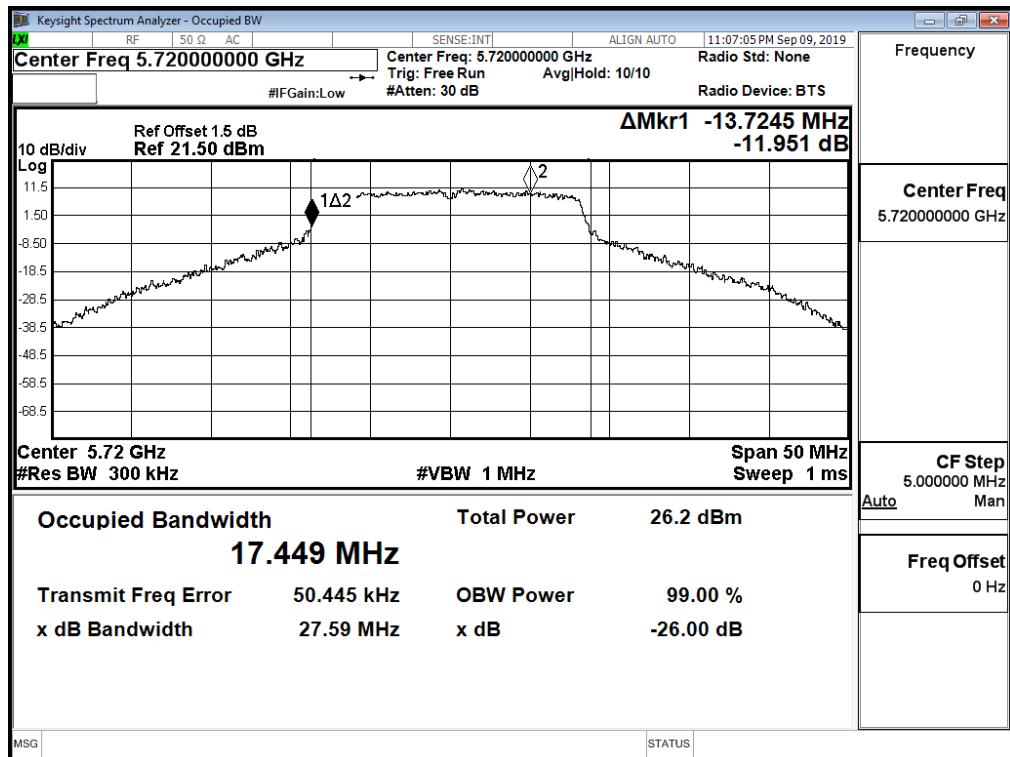
Channel 60 -Chain A



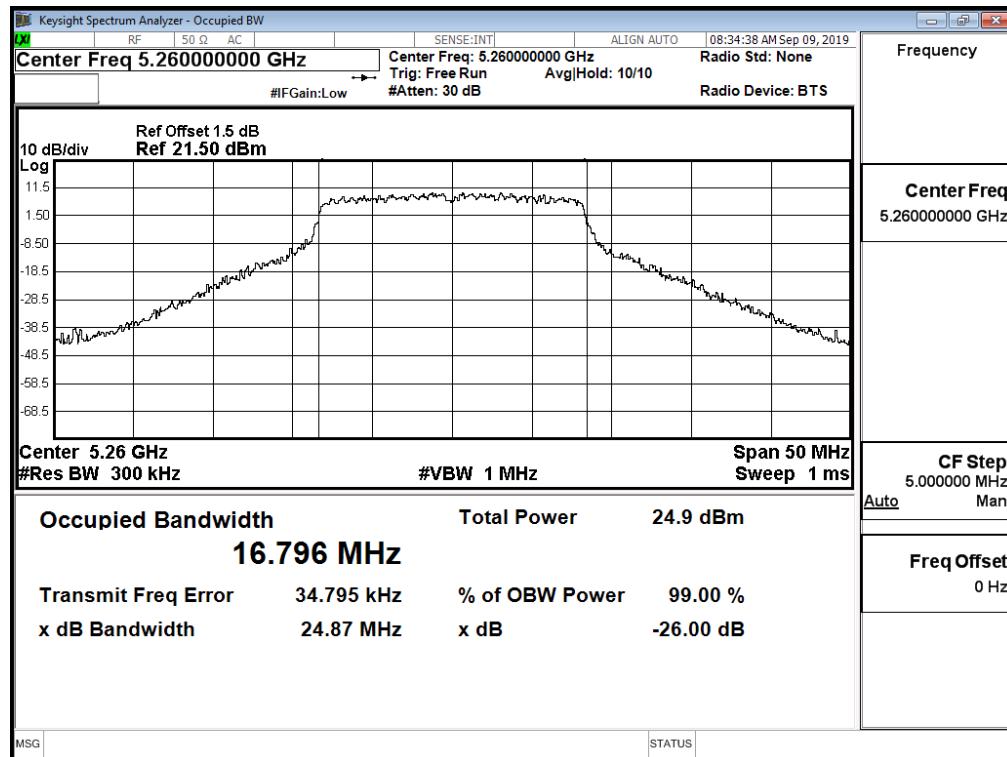
Channel 64 -Chain A**Channel 100 -Chain A**

Channel 116 -Chain A**Channel 140 -Chain A**

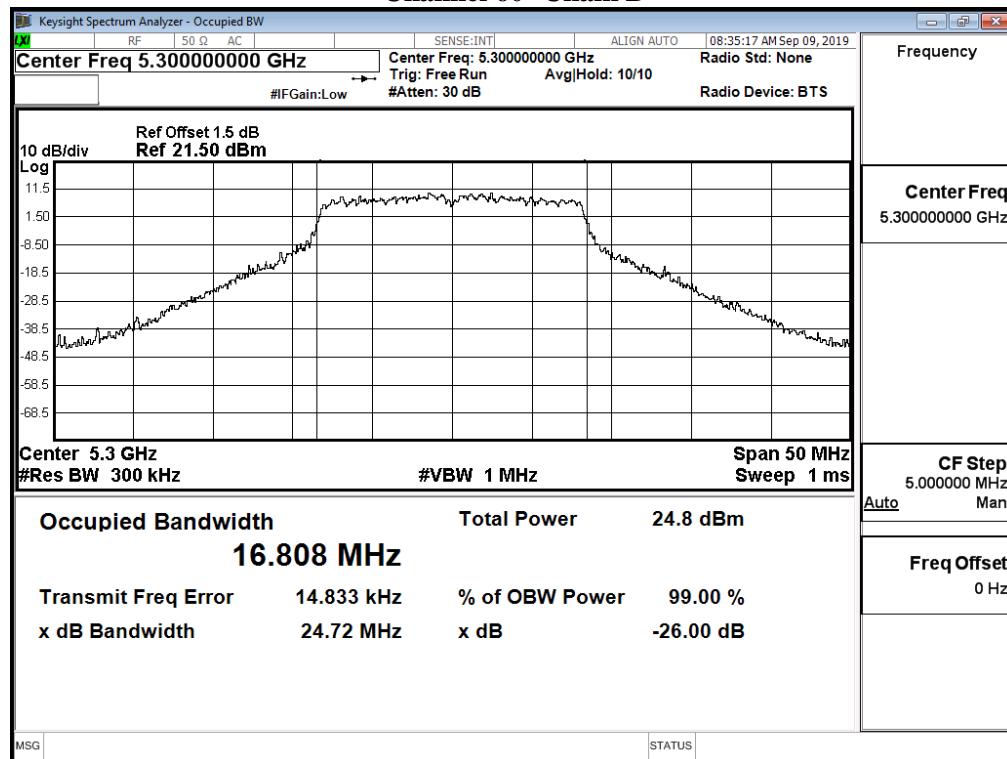
Channel 144 -Chain A

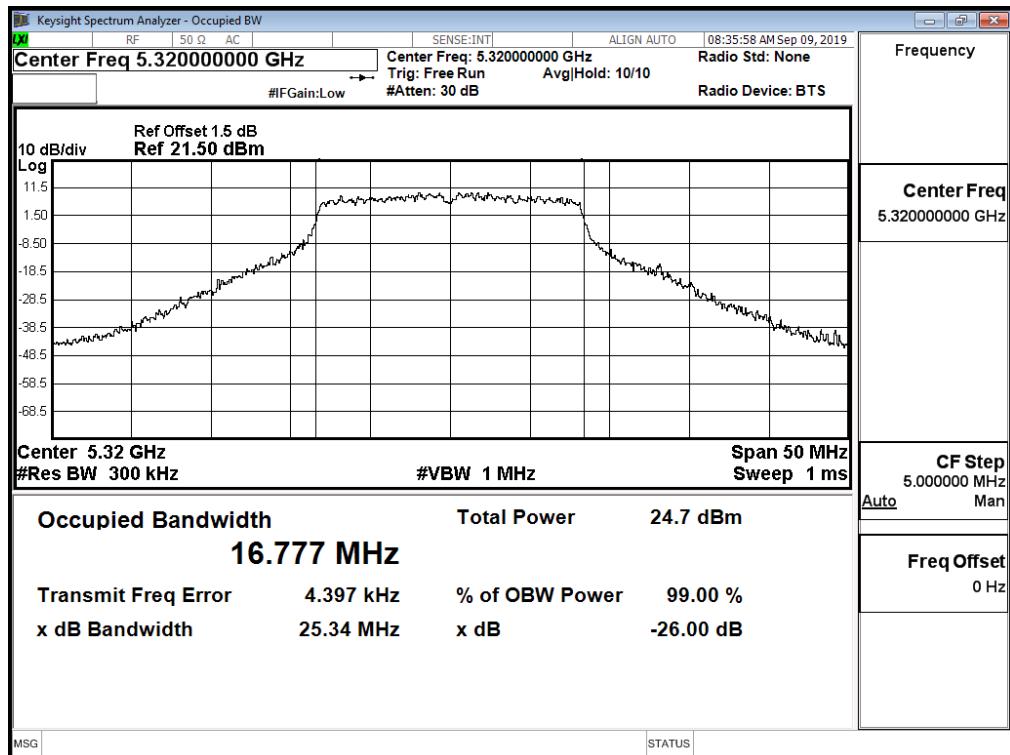
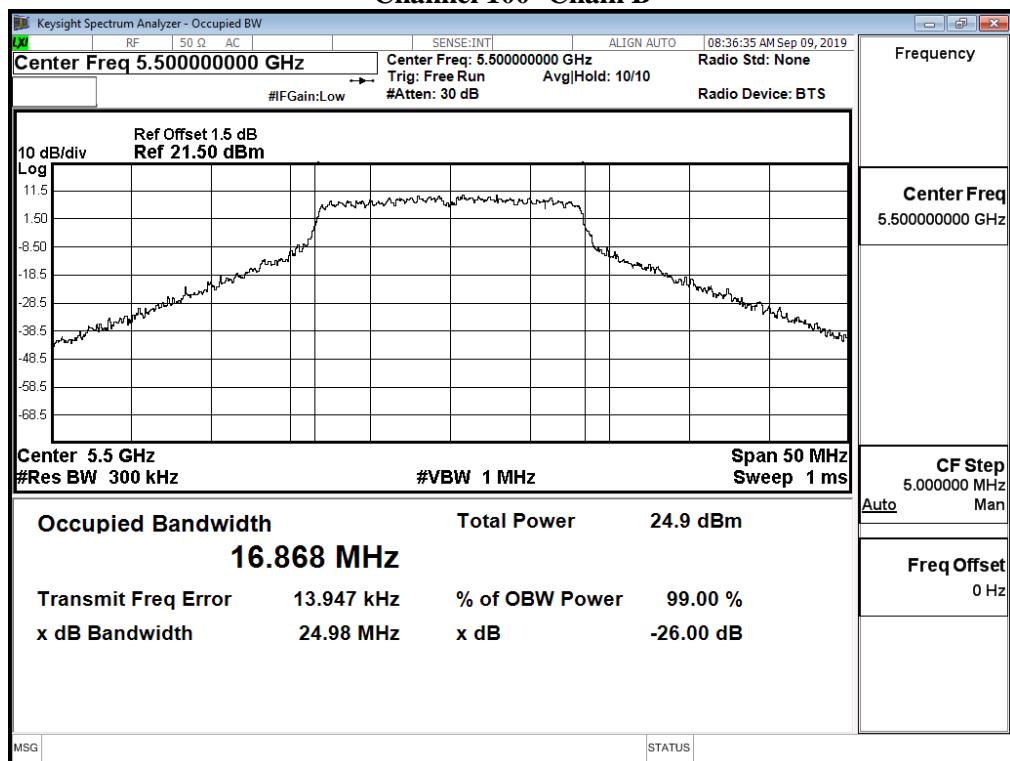


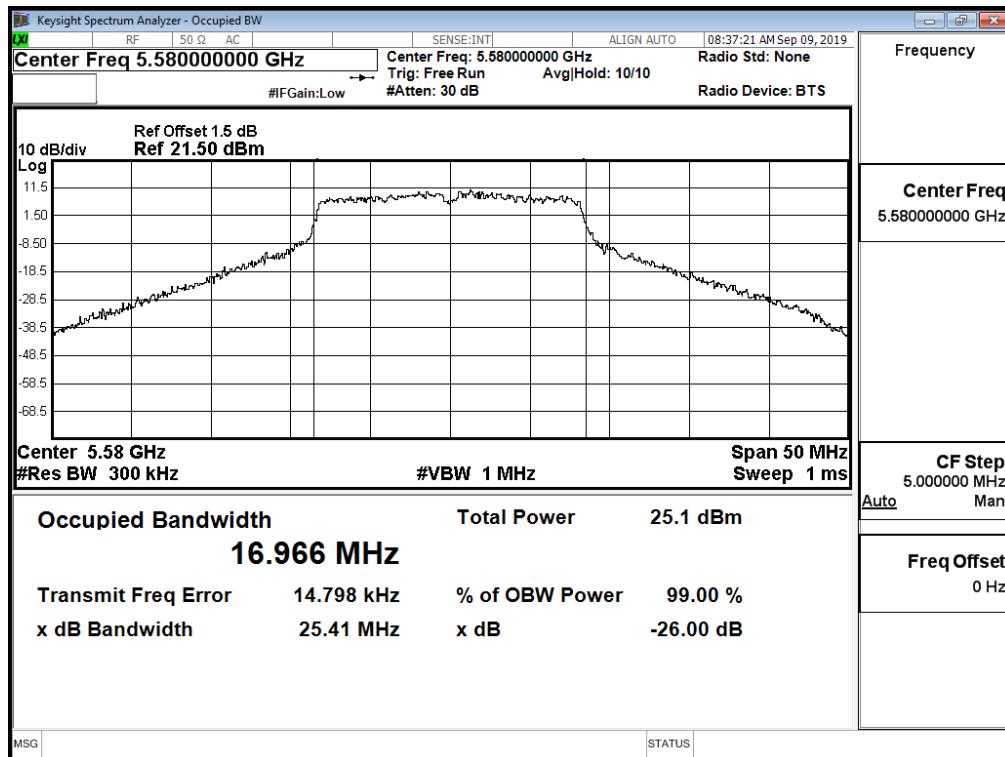
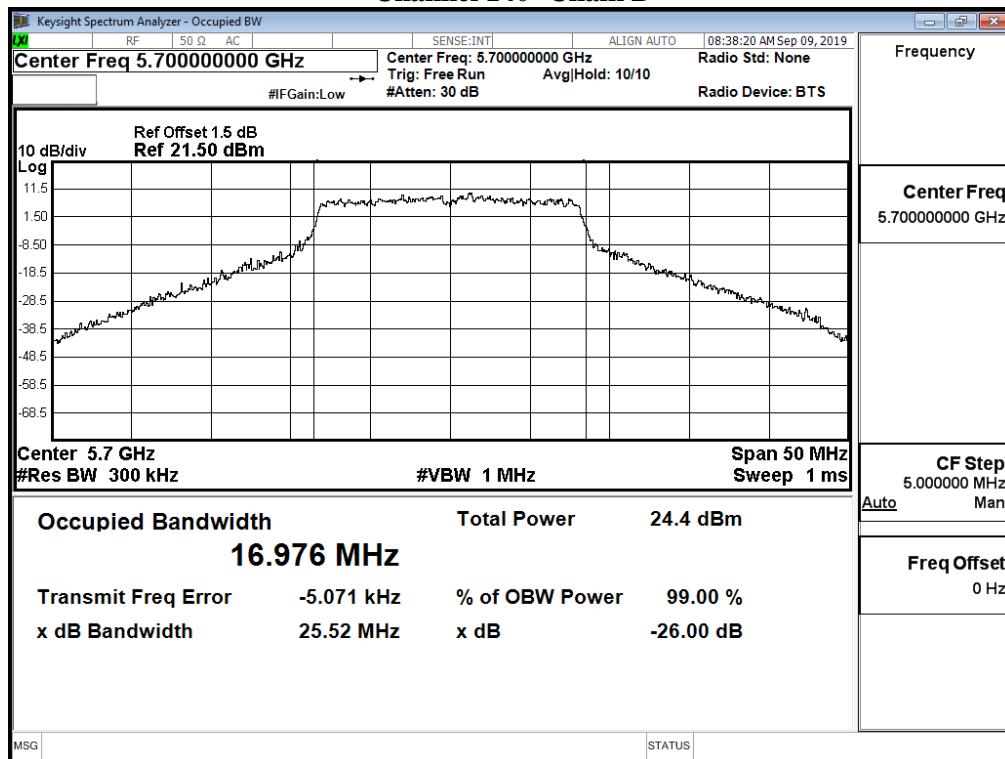
Channel 52 -Chain B



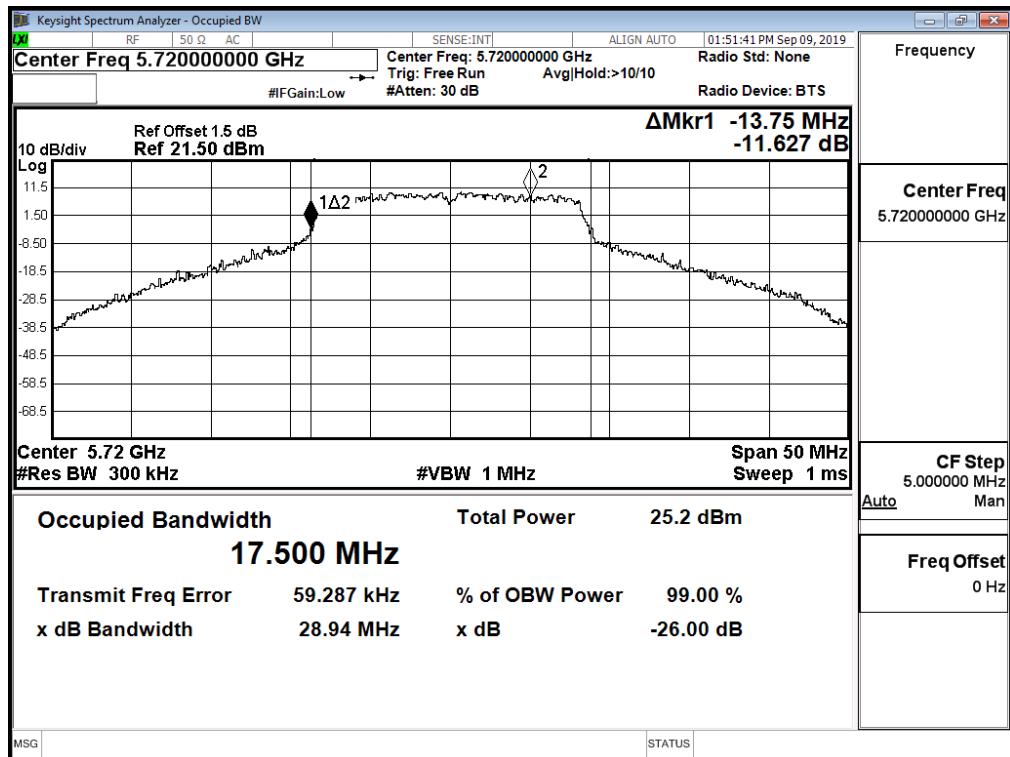
Channel 60 -Chain B



Channel 64 -Chain B**Channel 100 -Chain B**

Channel 116 -Chain B**Channel 140 -Chain B**

Channel 144 -Chain B



Product : Rugged Tablet
 Test Item : Maximum conducted output power
 Test Date : 2019/09/06
 Test Mode : Transmit 802.11ac20

CHAIN A

Cable loss=1dB		Maximum conducted output power									
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit	
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15		
		Measurement Level (dBm)									
36	5180	16.77	--	--	--	--	--	--	--	<24dBm	
44	5220	17.13	17.05	16.96	16.82	16.69	16.58	16.50	16.37	<24dBm	
48	5240	17.21	--	--	--	--	--	--	--	<24dBm	
52	5260	16.94	--	--	--	--	--	--	--	<24dBm	
60	5300	17.45	17.36	17.25	17.15	17.03	16.90	16.83	16.75	<24dBm	
64	5320	16.91	--	--	--	--	--	--	--	<24dBm	
100	5500	17.01	--	--	--	--	--	--	--	<24dBm	
116	5580	17.73	17.64	17.57	17.45	17.34	17.26	17.15	17.06	<24dBm	
140	5700	17.67	--	--	--	--	--	--	--	<24dBm	
144(U-NII-2C)	5720	17.62	17.55	17.41	17.27	17.17	17.09	16.98	16.91	<24dBm	
144(U-NII-3)	5720	11.1	11.03	10.9	10.81	10.73	10.61	10.52	10.42	<30dBm	
149	5745	17.55	--	--	--	--	--	--	--	<30dBm	
157	5785	17.68	17.55	17.47	17.37	17.3	17.23	17.16	17.03	<30dBm	
165	5825	17.33	--	--	--	--	--	--	--	<30dBm	

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

CHAIN B

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	
		Measurement Level (dBm)								
36	5180	16.8	--	--	--	--	--	--	--	<24dBm
44	5220	17.03	16.91	16.79	16.72	16.65	16.57	16.43	16.29	<24dBm
48	5240	16.95	--	--	--	--	--	--	--	<24dBm
52	5260	17.02	--	--	--	--	--	--	--	<24dBm
60	5300	17.31	17.22	17.14	17.00	16.91	16.79	16.72	16.65	<24dBm
64	5320	16.81	--	--	--	--	--	--	--	<24dBm
100	5500	16.49	--	--	--	--	--	--	--	<24dBm
116	5580	16.72	16.6	16.46	16.38	16.31	16.20	16.08	16.00	<24dBm
140	5700	16.15	--	--	--	--	--	--	--	<24dBm
144(U-NII-2C)	5720	16.14	16.03	15.9	15.78	15.67	15.58	15.50	15.39	<24dBm
144(U-NII-3)	5720	10.01	9.94	9.84	9.71	9.63	9.56	9.45	9.38	<30dBm
149	5745	16	--	--	--	--	--	--	--	<30dBm
157	5785	16.2	16.13	16.04	15.96	15.89	15.75	15.63	15.56	<30dBm
165	5825	15.67	--	--	--	--	--	--	--	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:
(CHAIN A+ B)

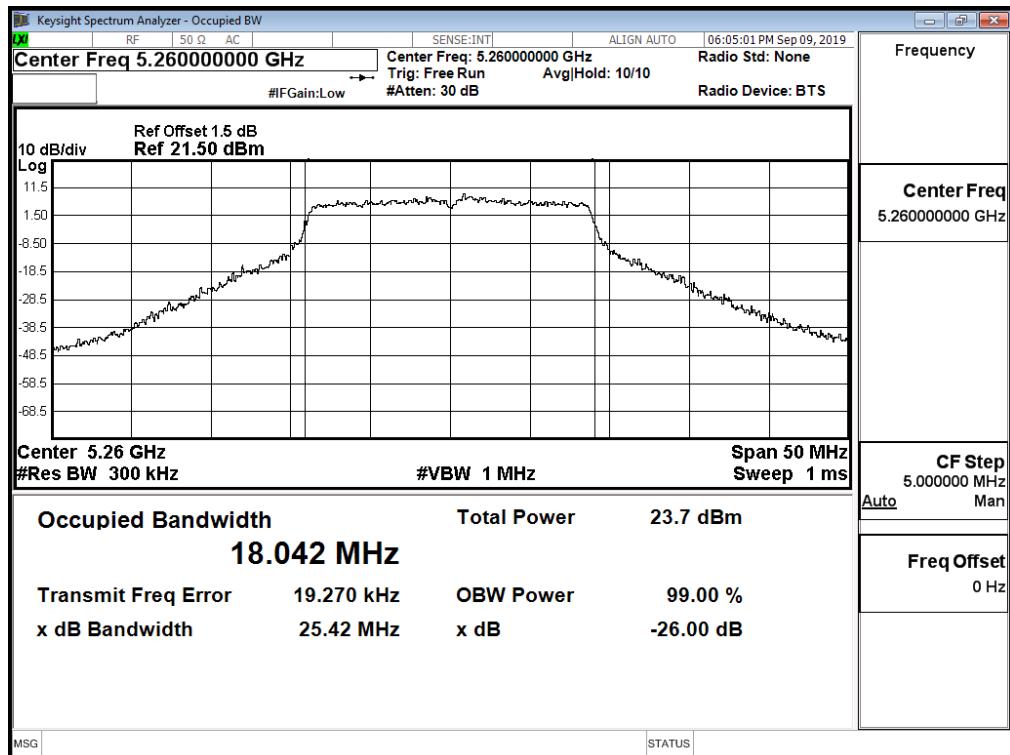
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Chain A Power	Chain B Power	Output Power	Output Power Limit	
			(dBm)	(dBm)	(dBm)	(dBm)	(dBm+10log(BW))
36	5180	--	16.77	16.80	19.80	24	--
44	5220	--	17.13	17.03	20.09	24	--
48	5240	--	17.21	16.95	20.09	24	--
52	5260	17.911	16.94	17.02	19.99	24	23.53
60	5300	17.923	17.45	17.31	20.39	24	23.53
64	5320	17.902	16.91	16.81	19.87	24	23.53
100	5500	17.906	17.01	16.49	19.77	24	23.53
116	5580	18.079	17.73	16.72	20.26	24	23.57
140	5700	17.986	17.67	16.15	19.99	24	23.55
144(U-NII-2C)	5720	14.000	17.620	16.140	19.95	24	22.46
144(U-NII-3)	5720	--	11.100	10.010	13.60	30	--
149	5745	--	17.55	16.00	19.85	30	--
157	5785	--	17.68	16.20	20.01	30	--
165	5825	--	17.33	15.67	19.59	30	--

Note:

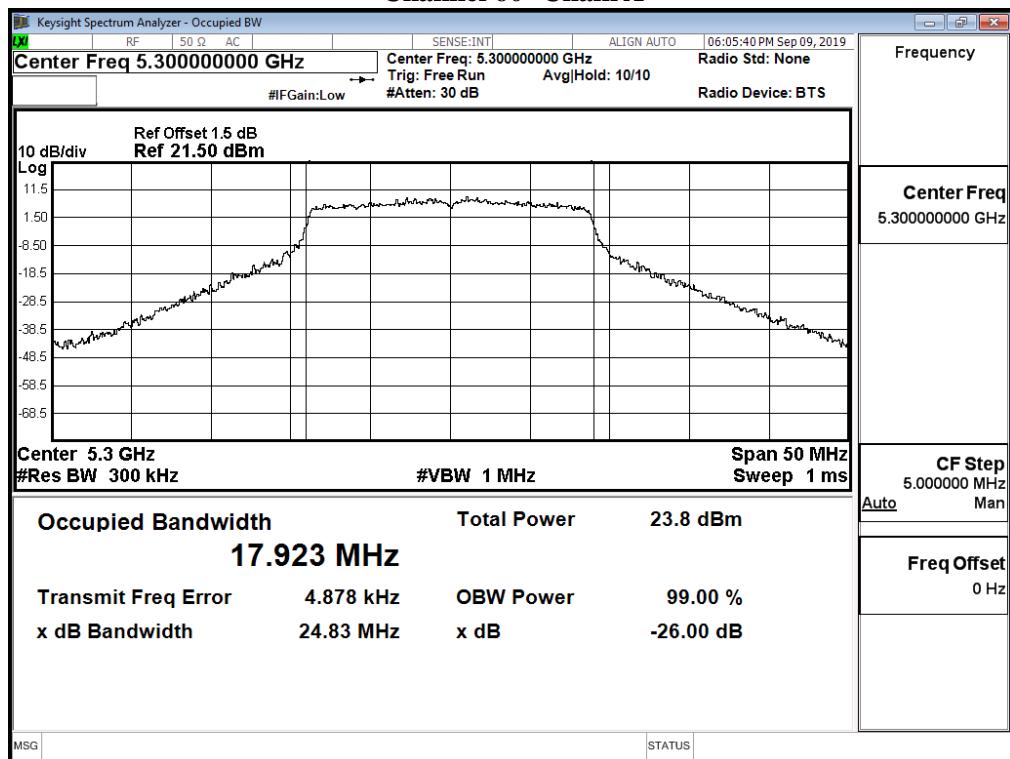
1. Power Output Value =Reading value on average power meter + cable loss
 2. Output Power (dBm) = $10\text{LOG}(\text{Chain A Power (mW)} + \text{Chain B Power (mW)})$
- 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

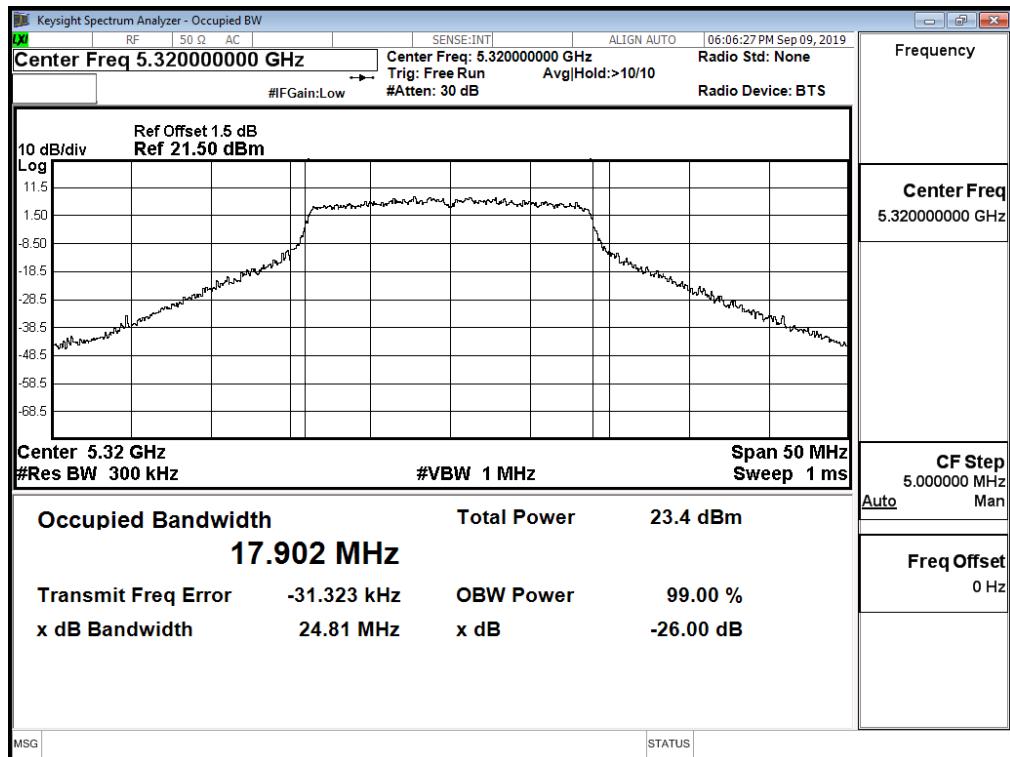
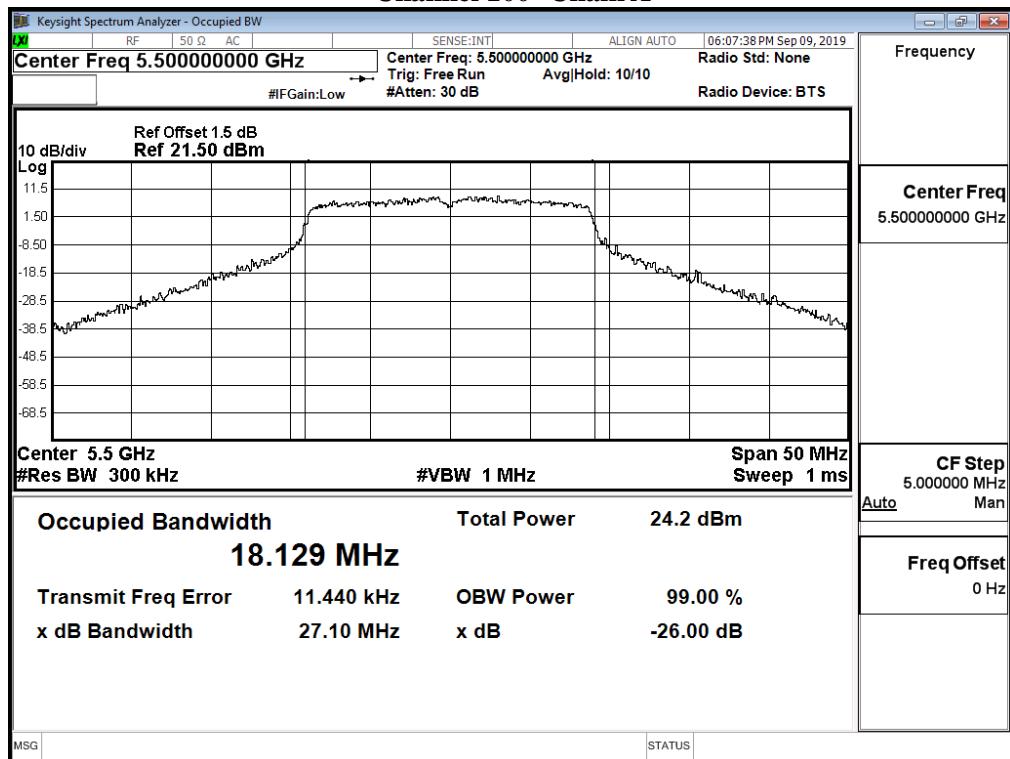
99% Occupied Bandwidth:

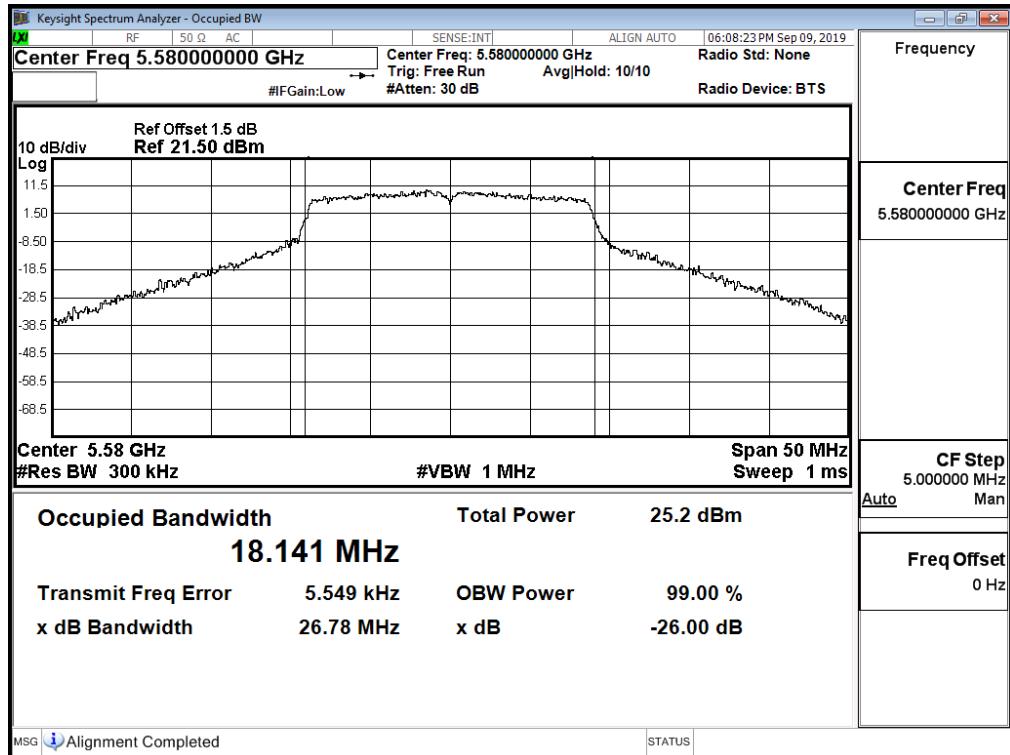
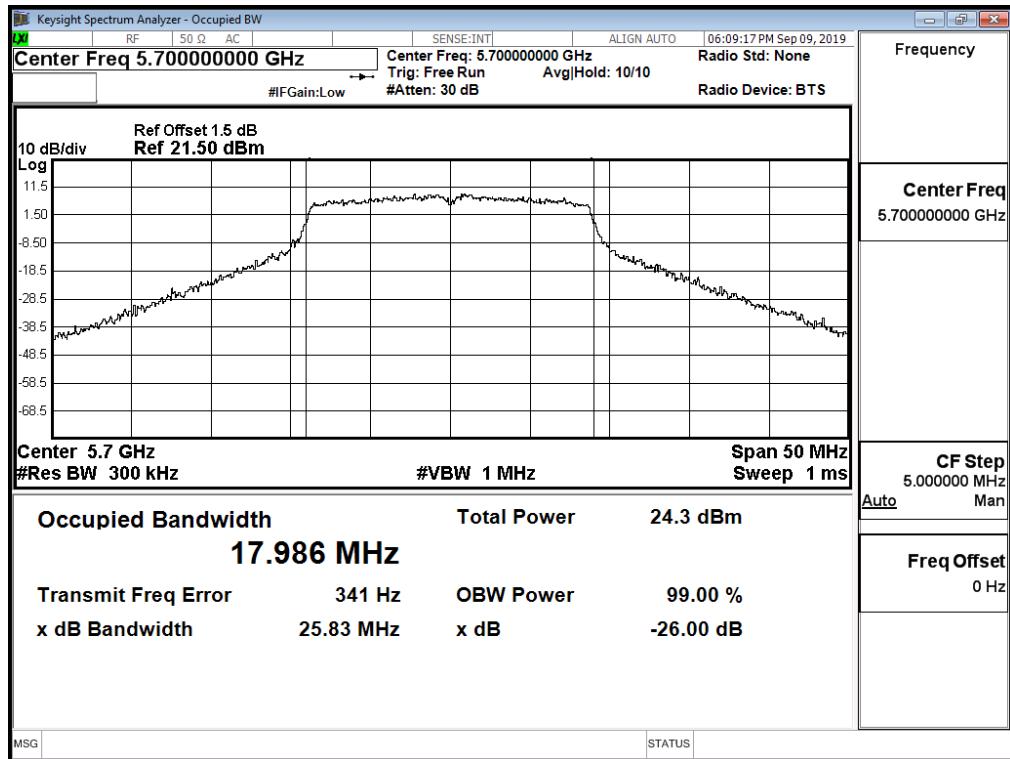
Channel 52 -Chain A



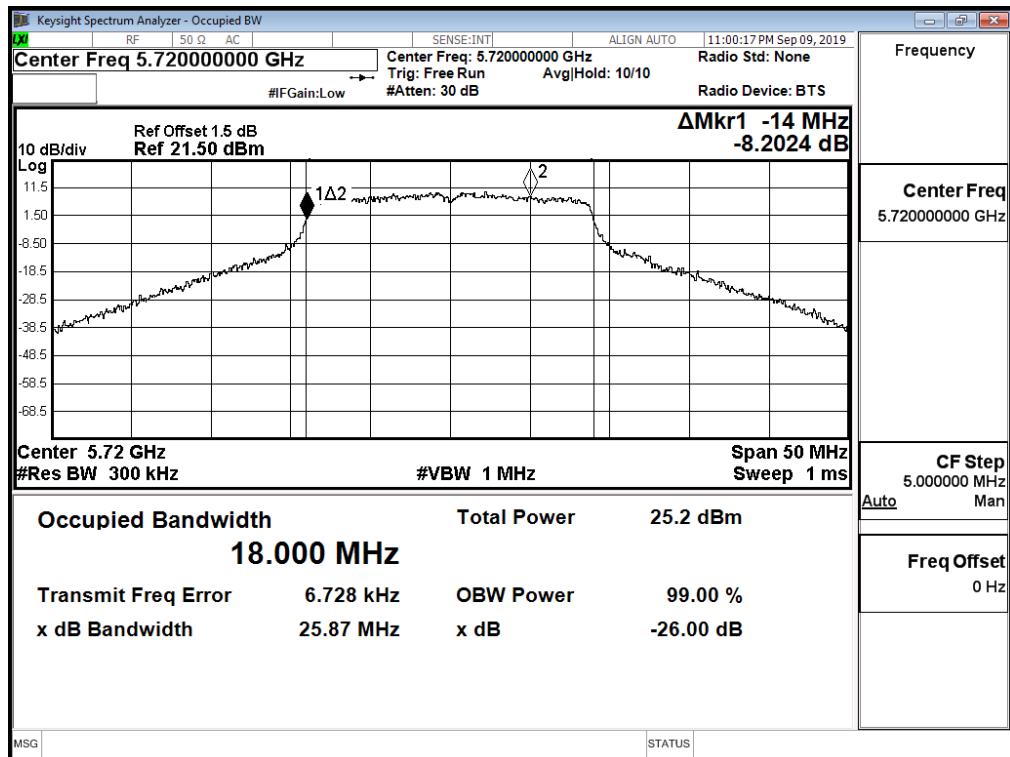
Channel 60 -Chain A



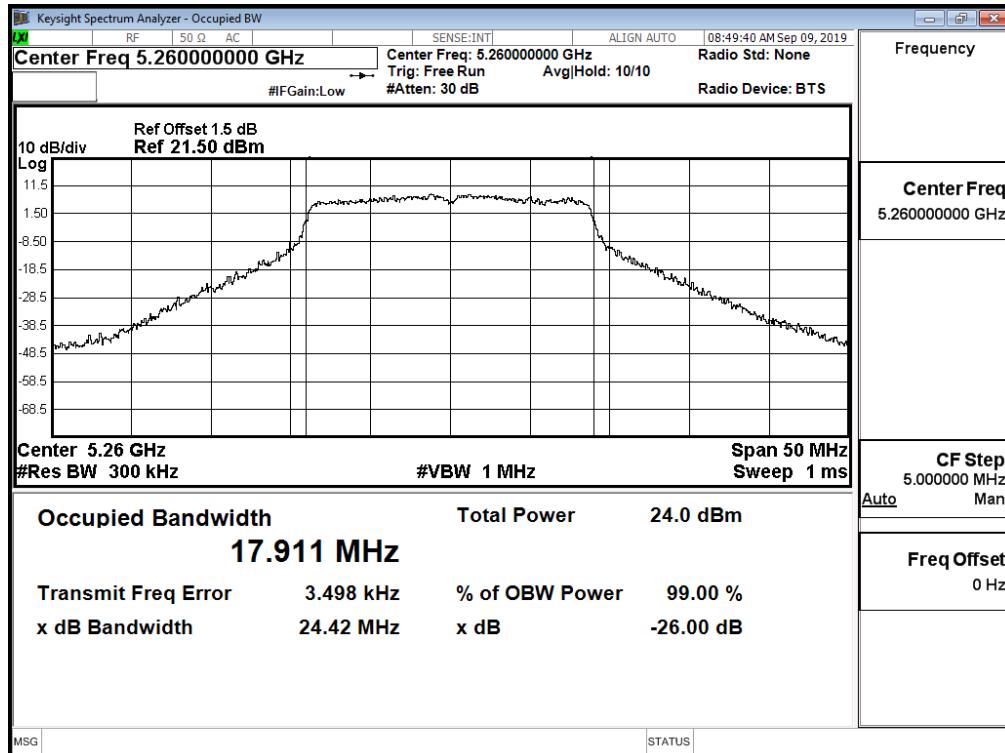
Channel 64 -Chain A**Channel 100 -Chain A**

Channel 116 -Chain A**Channel 140 -Chain A**

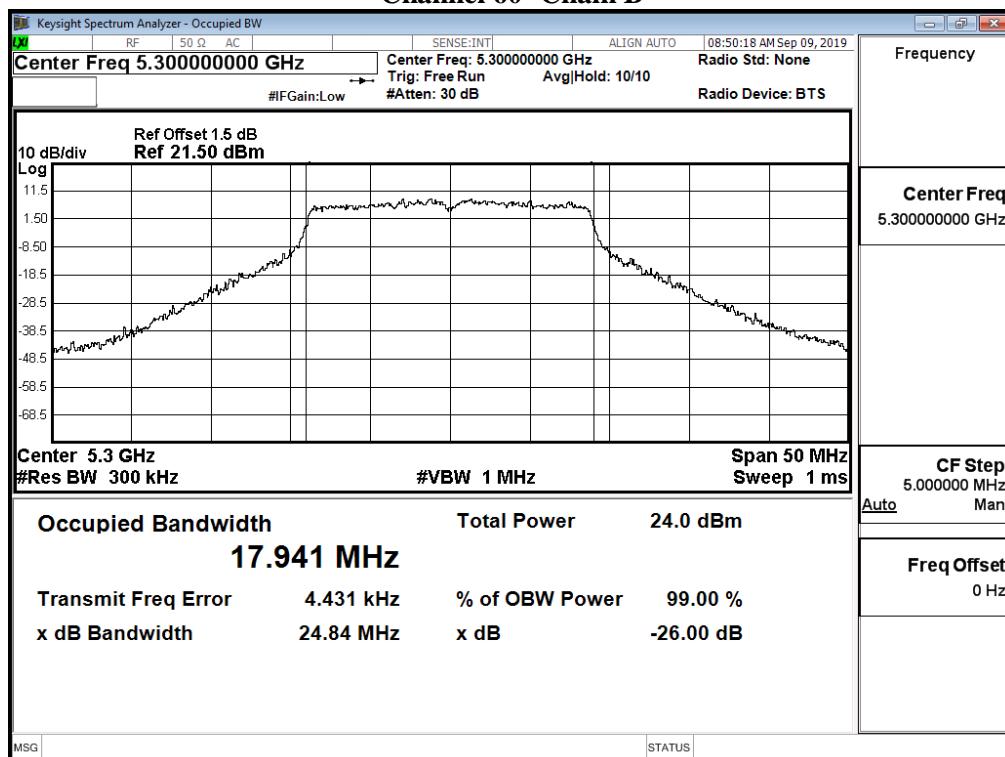
Channel 144 -Chain A

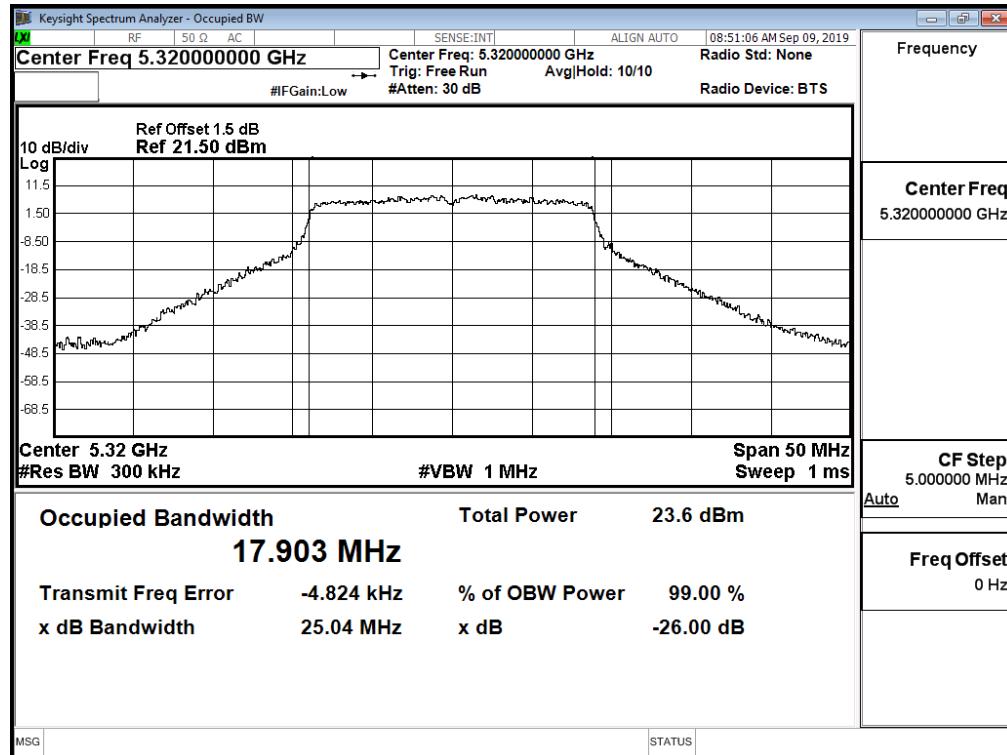
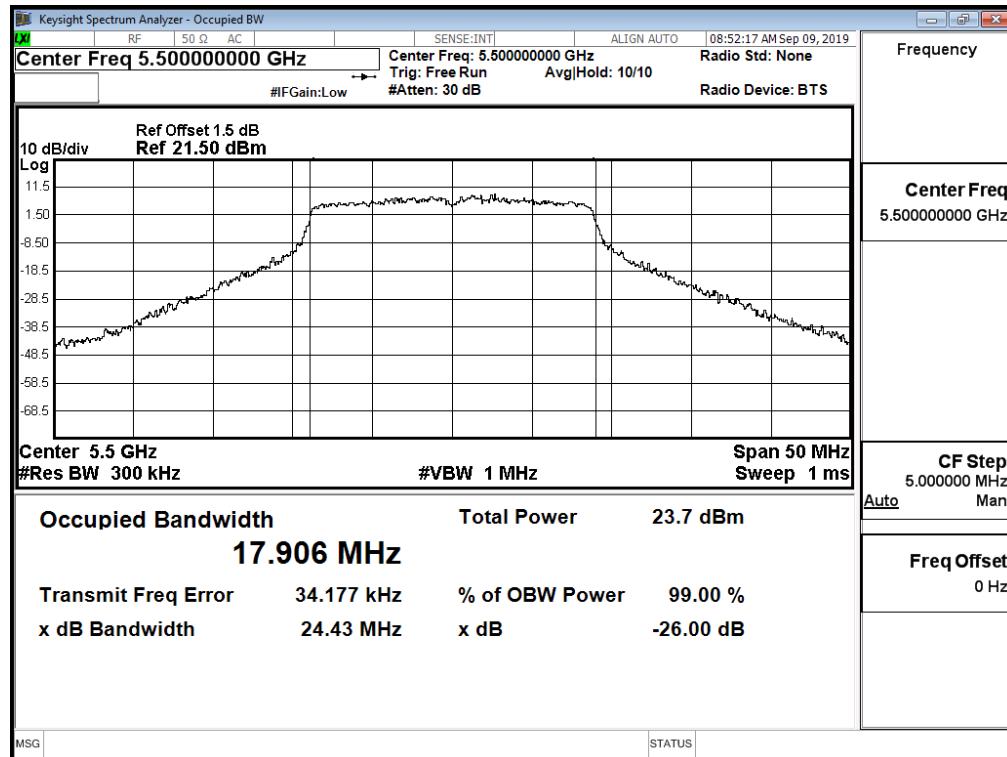


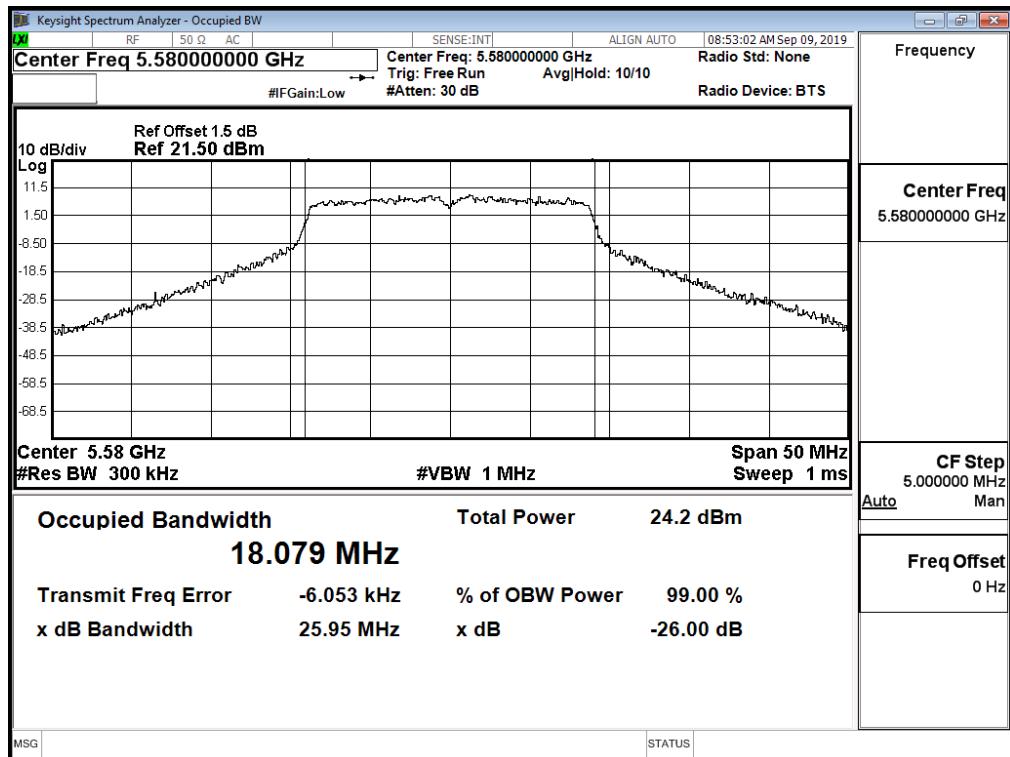
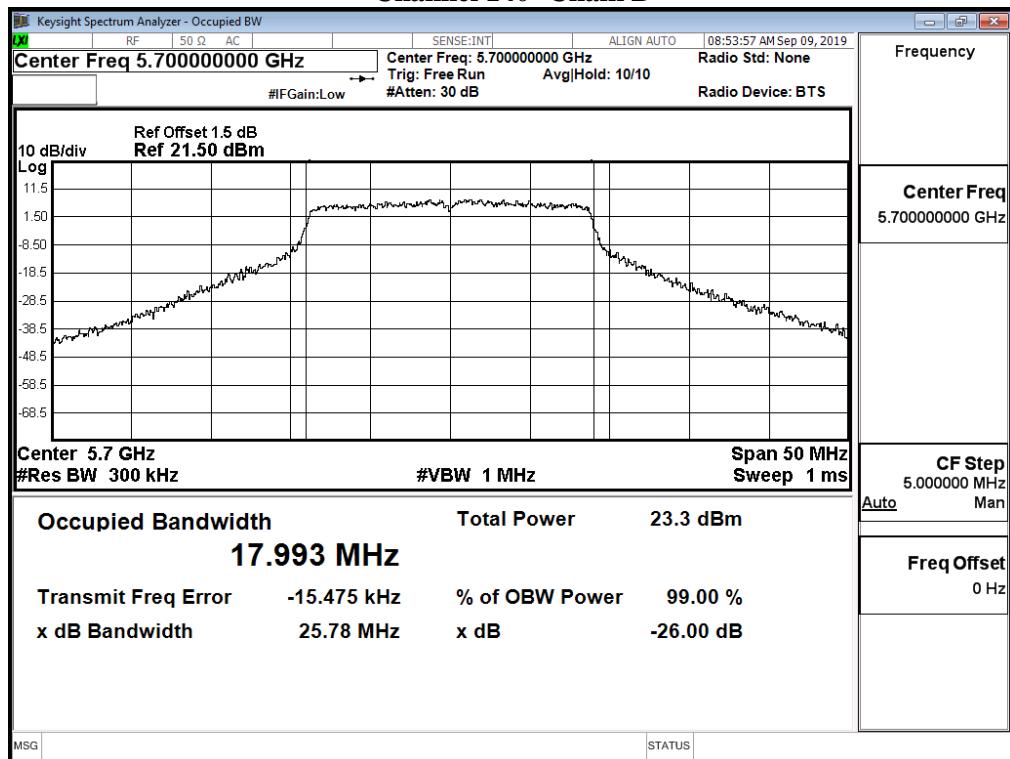
Channel 52 -Chain B



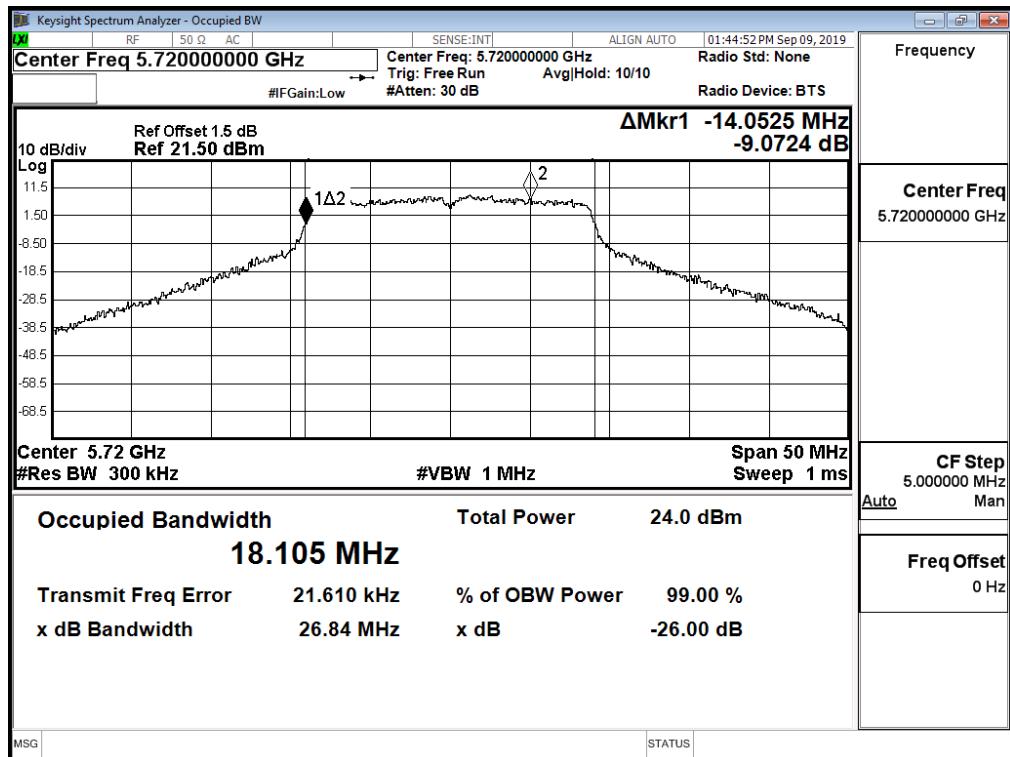
Channel 60 -Chain B



Channel 64 -Chain B**Channel 100 -Chain B**

Channel 116 -Chain B**Channel 140 -Chain B**

Channel 144 -Chain B



Product : Rugged Tablet
 Test Item : Maximum conducted output power
 Test Date : 2019/09/06
 Test Mode : Transmit 802.11ac40

CHAIN A

Cable loss=1dB		Maximum conducted output power									
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit	
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15		
		Measurement Level (dBm)									
38	5190	17.17	--	--	--	--	--	--	--	<24dBm	
46	5230	16.87	16.8	16.68	16.57	16.43	16.35	16.27	16.16	<24dBm	
54	5270	16.8	--	--	--	--	--	--	--	<24dBm	
62	5310	16.24	16.12	15.98	15.89	15.79	15.72	15.61	15.53	<24dBm	
102	5510	16.93	--	--	--	--	--	--	--	<24dBm	
110	5550	17.56	17.49	17.39	17.27	17.13	17.06	16.95	16.84	<24dBm	
134	5670	17.82	--	--	--	--	--	--	--	<24dBm	
142(U-NII-2C)	5710	17.14	17.05	16.93	16.83	16.74	16.61	16.47	16.38	<24dBm	
142(U-NII-3)	5710	6.4	6.28	6.2	6.07	5.94	5.8	5.66	5.57	<30dBm	
151	5755	17.32	--	--	--	--	--	--	--	<30dBm	
159	5795	17.97	17.83	17.73	17.60	17.52	17.40	17.29	17.16	<30dBm	

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

CHAIN B

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	
		Measurement Level (dBm)								
38	5190	17.12	--	--	--	--	--	--	--	<24dBm
46	5230	16.94	16.85	16.75	16.64	16.55	16.45	16.35	16.26	<24dBm
54	5270	16.82	--	--	--	--	--	--	--	<24dBm
62	5310	15.95	15.82	15.73	15.64	15.54	15.42	15.35	15.22	<24dBm
102	5510	16.13	--	--	--	--	--	--	--	<24dBm
110	5550	16.63	16.5	16.39	16.25	16.17	16.09	15.95	15.81	<24dBm
134	5670	16.42	--	--	--	--	--	--	--	<24dBm
142(U-NII-2C)	5710	15.95	15.85	15.72	15.58	15.47	15.33	15.21	15.14	<24dBm
142(U-NII-3)	5710	4.75	4.68	4.55	4.43	4.34	4.24	4.14	4.01	<30dBm
151	5755	16.01	--	--	--	--	--	--	--	<30dBm
159	5795	16.45	16.34	16.27	16.14	16.05	15.91	15.83	15.72	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:
(CHAIN A+ B)

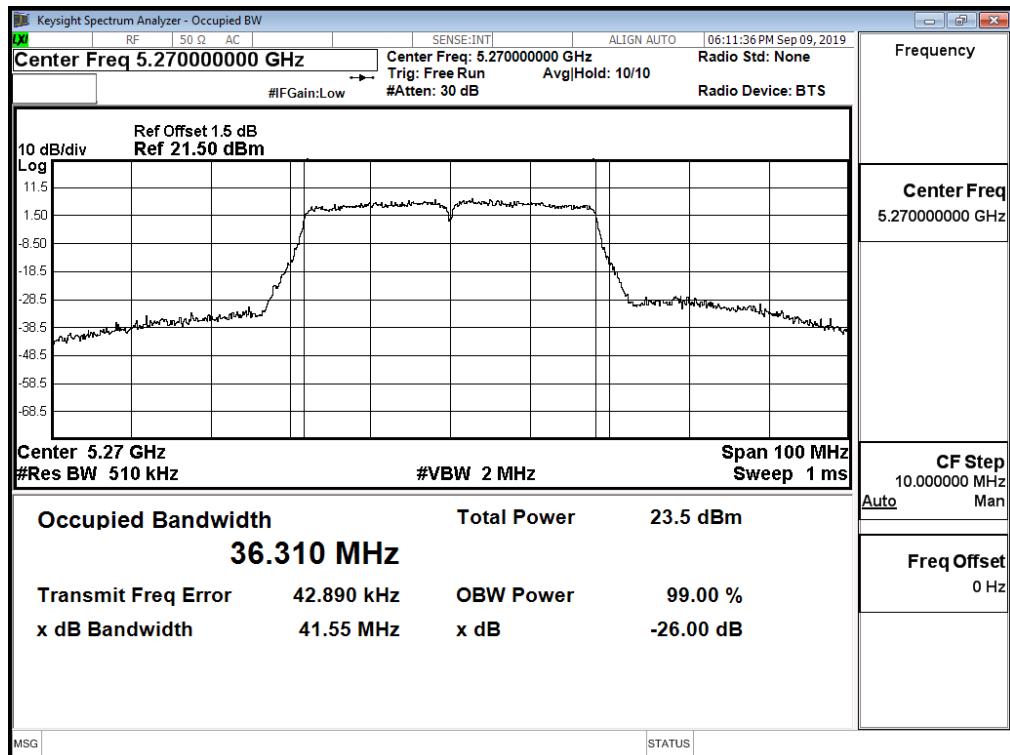
Channel Number	Frequency (MHz)	99% Bandwidth	Chain A Power	Chain B Power	Output Power	Output Power Limit	
			(dBm)	(dBm)	(dBm)	(dBm)	(dBm+10log(BW))
38	5190	--	17.17	17.12	20.16	24	--
46	5230	--	16.87	16.94	19.92	24	--
54	5270	36.296	16.80	16.82	19.82	24	26.60
62	5310	36.325	16.24	15.95	19.11	24	26.60
102	5510	36.328	16.93	16.13	19.56	24	26.60
110	5550	36.391	17.56	16.63	20.13	24	26.61
134	5670	36.362	17.82	16.42	20.19	24	26.61
142(U-NII-2C)	5710	33.155	17.140	15.950	19.60	24	26.21
142(U-NII-3)	5710	--	6.400	4.750	8.66	30	--
151	5755	--	17.32	16.01	19.72	30	--
159	5795	--	17.97	16.45	20.29	30	--

Note:

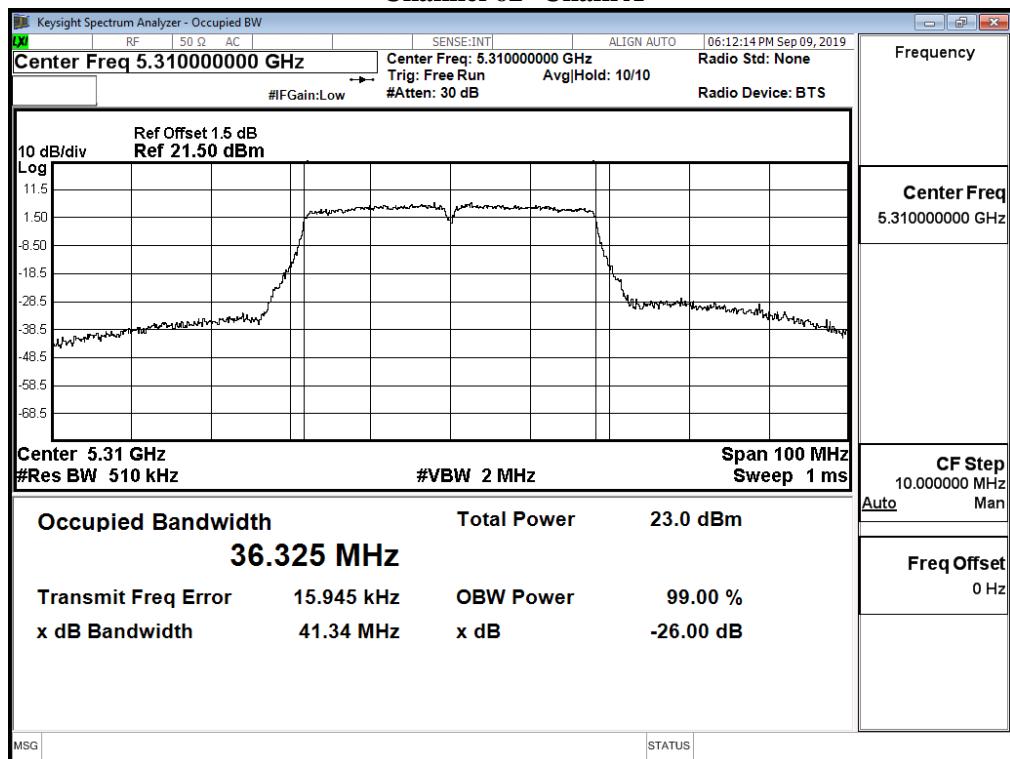
1. Power Output Value =Reading value on average power meter + cable loss
 2. Output Power (dBm) = $10\text{LOG}(\text{Chain A Power (mW)} + \text{Chain B Power (mW)})$
- 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

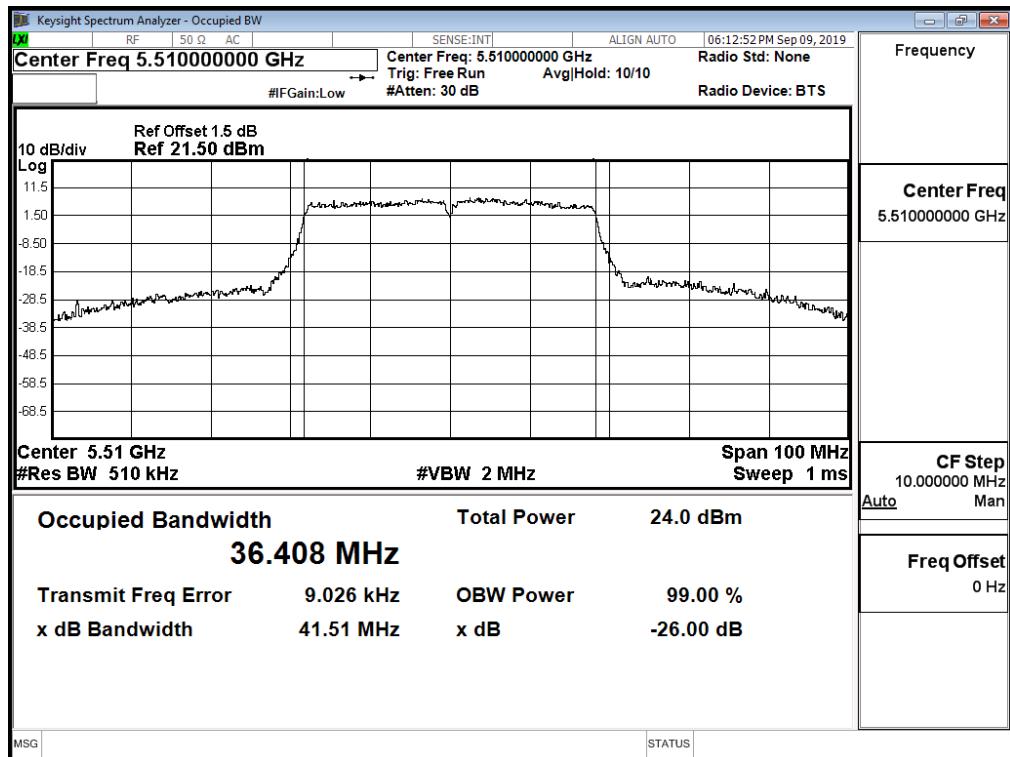
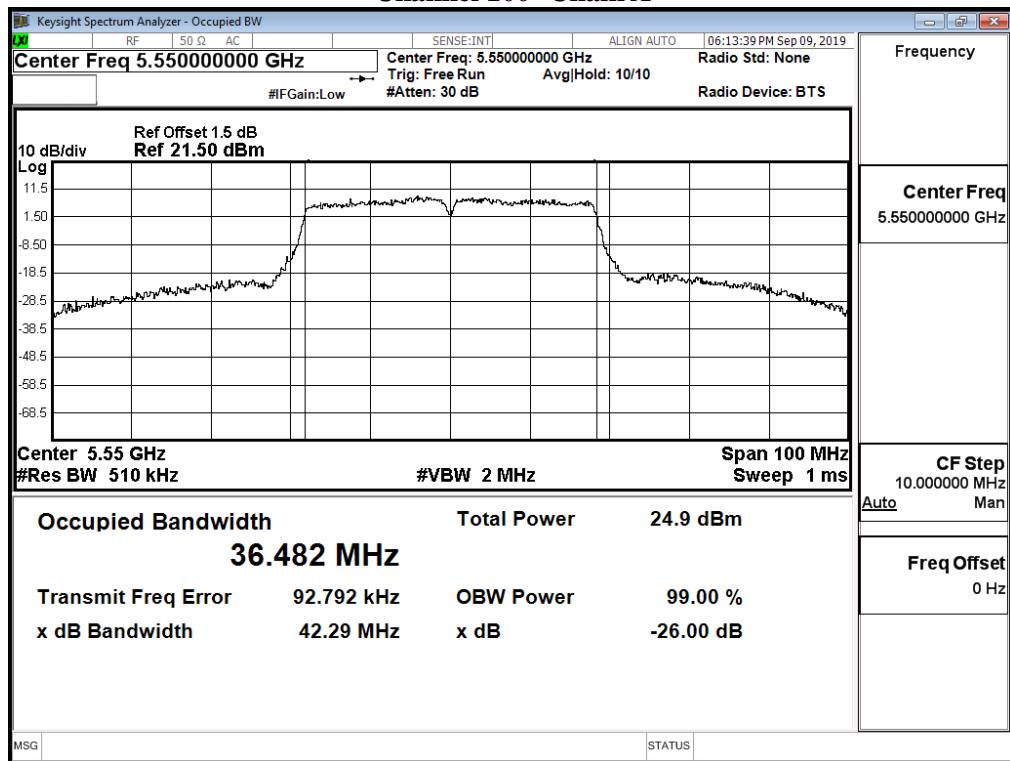
99% Occupied Bandwidth:

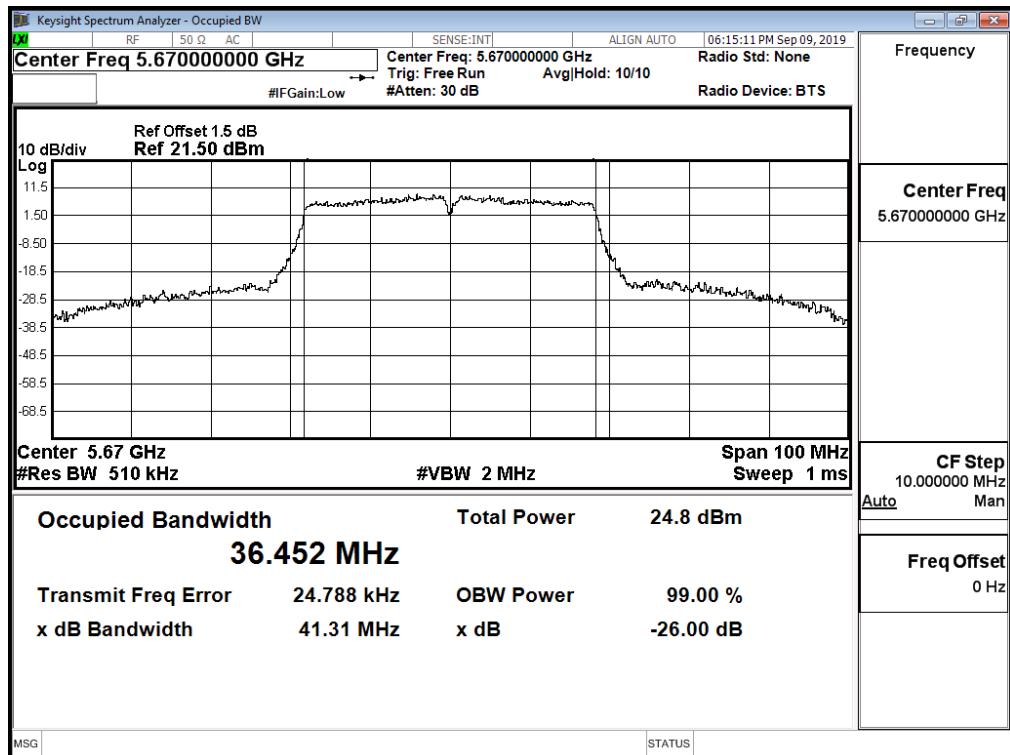
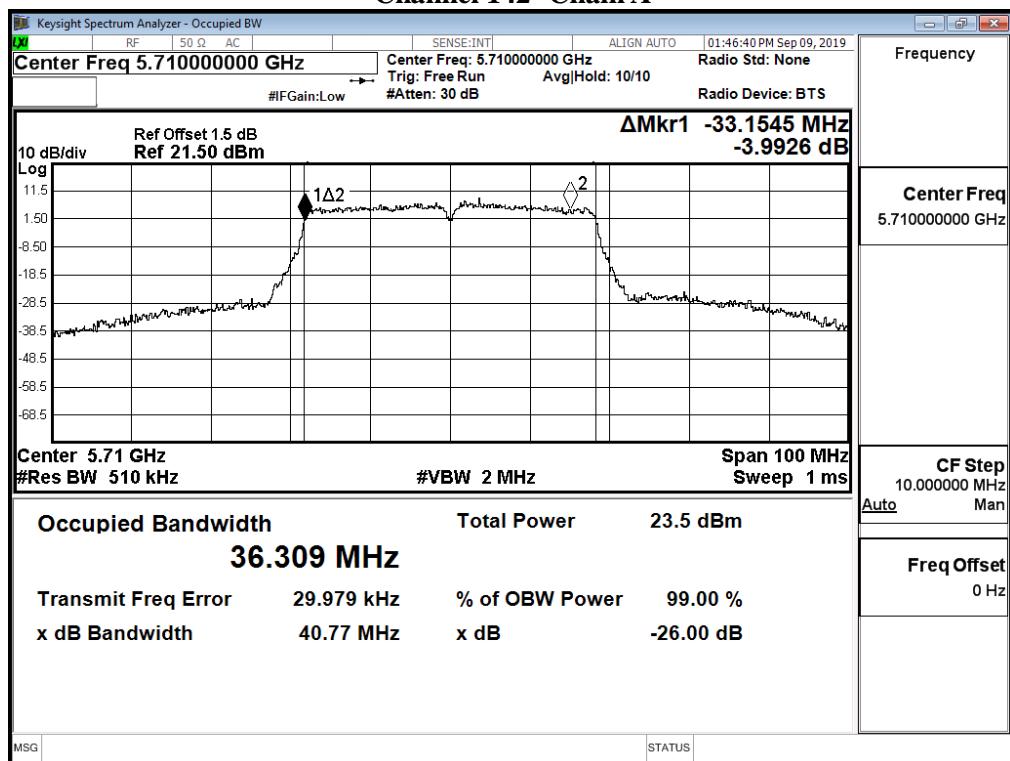
Channel 54 -Chain A



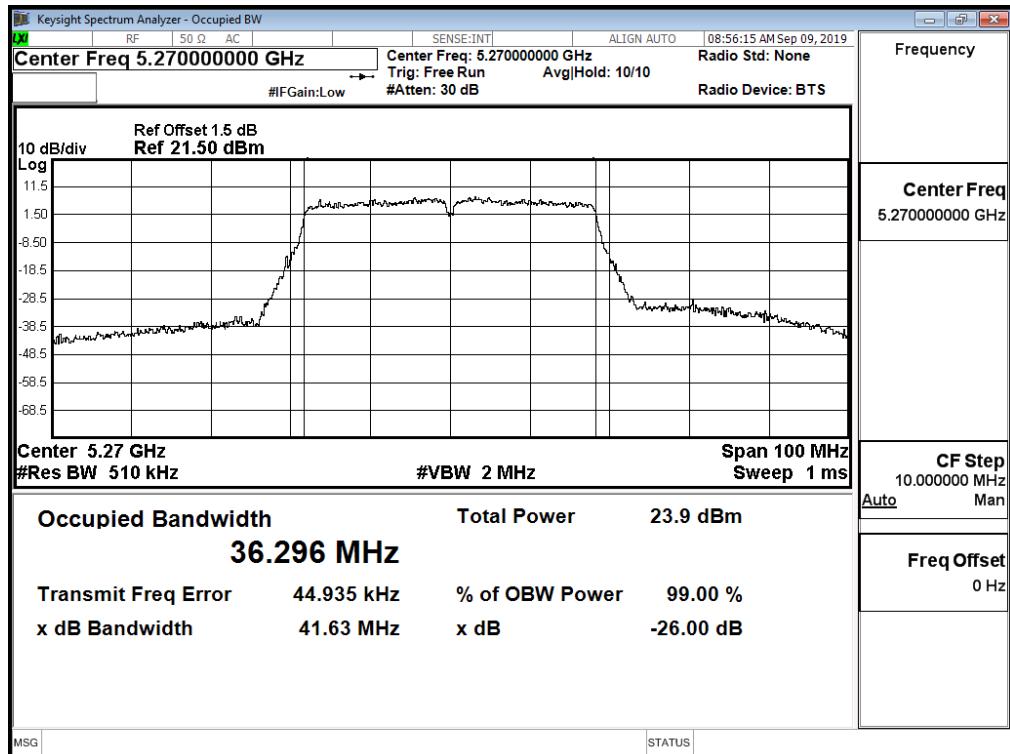
Channel 62 -Chain A



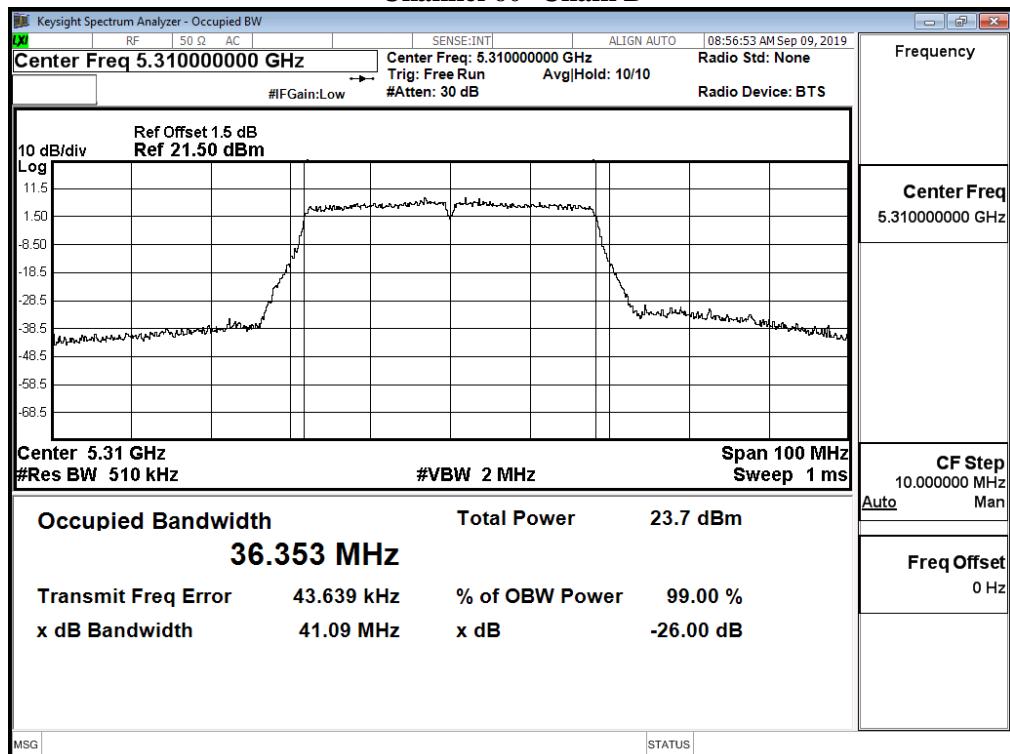
Channel 102 -Chain A**Channel 100 -Chain A**

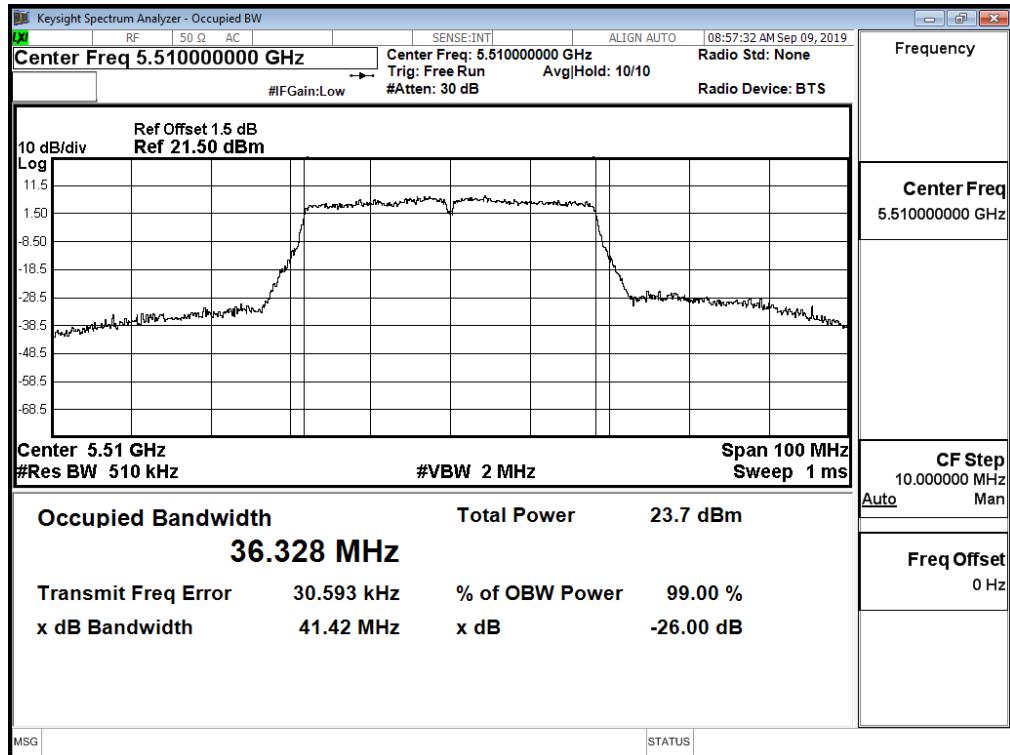
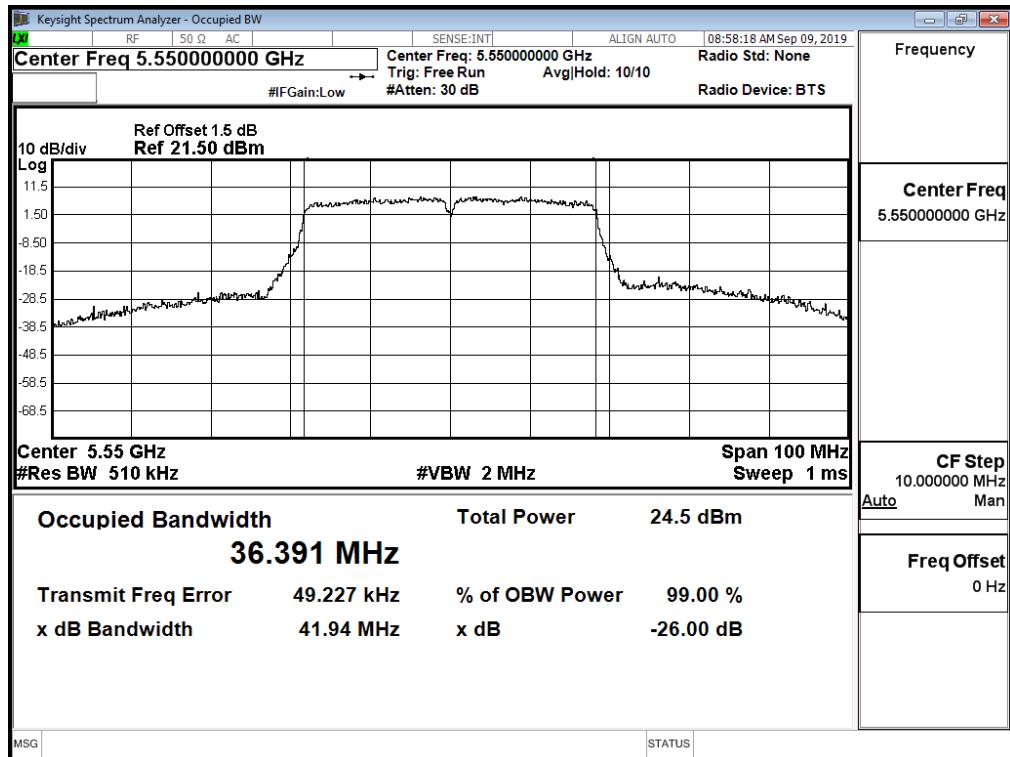
Channel 116 -Chain A**Channel 142 -Chain A**

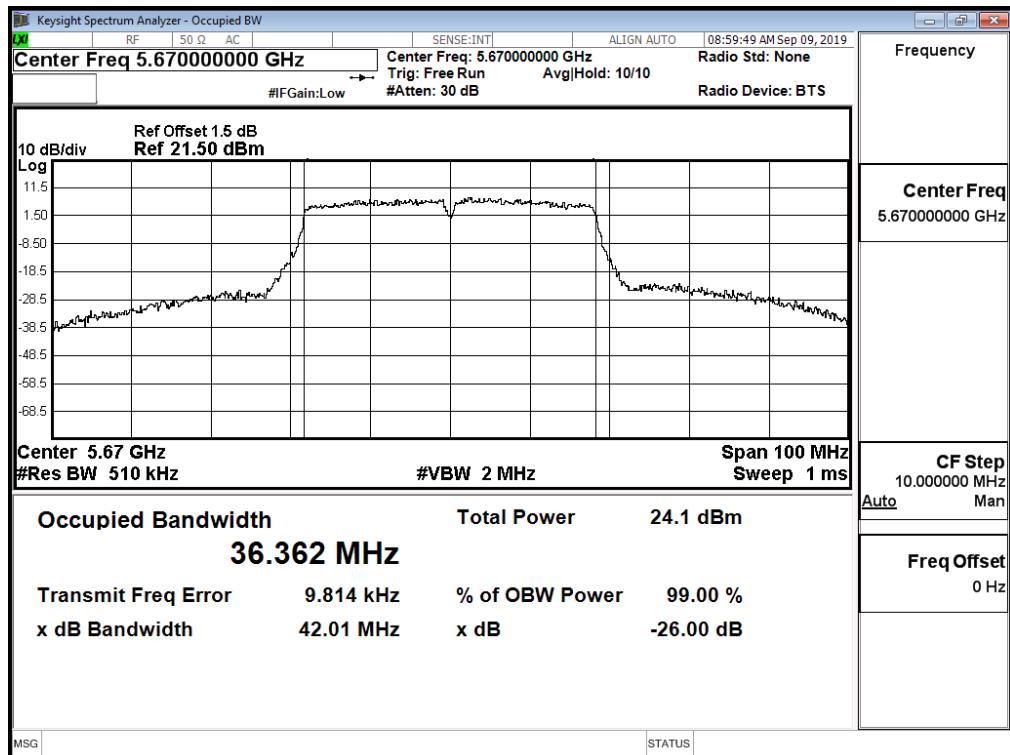
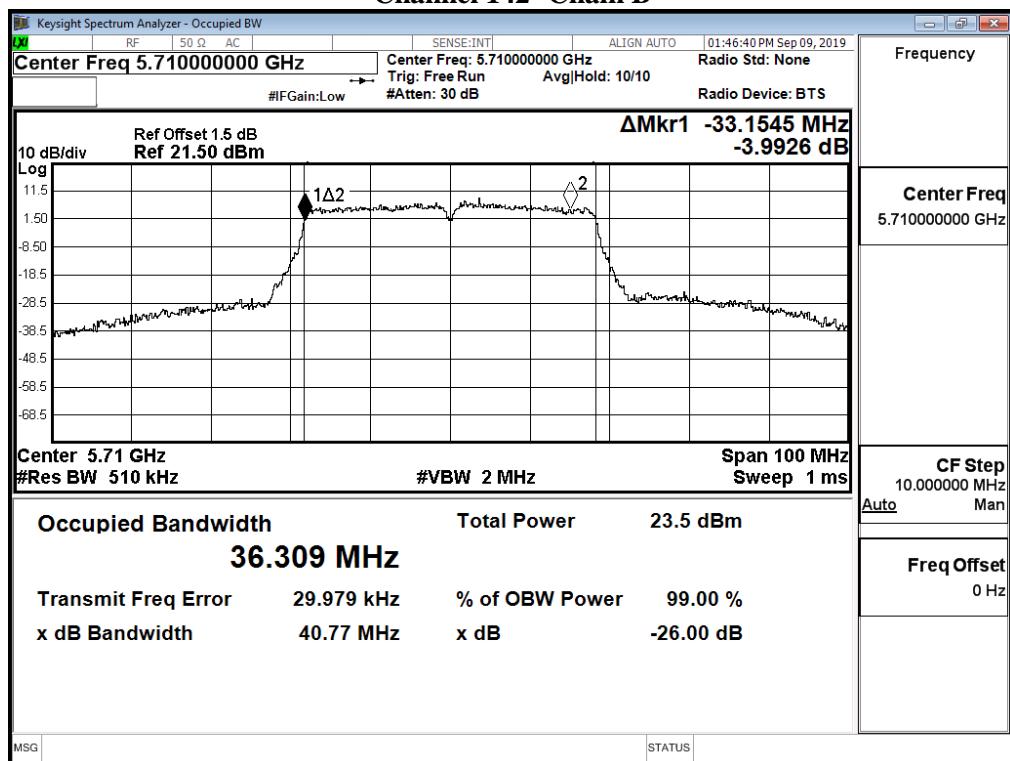
Channel 52 -Chain B



Channel 60 -Chain B



Channel 64 -Chain B**Channel 100 -Chain B**

Channel 116 -Chain B**Channel 142 -Chain B**

Product : Rugged Tablet
 Test Item : Maximum conducted output power
 Test Date : 2019/09/06
 Test Mode : Transmit 802.11ac80

CHAIN A

Cable loss=1dB		Average Power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
42	5210	16.14	16.04	15.93	15.79	15.65	15.53	15.45	15.36	15.24	15.11	<24dBm
58	5290	14.61	14.48	14.4	14.31	14.17	14.10	13.97	13.83	13.69	13.61	<24dBm
106ac80	5530	16.37	--	--	--	--	--	--	--	--	--	<24dBm
138ac80(Band2C)	5690	17.56	--	--	--	--	--	--	--	--	--	<24dBm
138ac80(Band3)	5690	2.98	--	--	--	--	--	--	--	--	--	<24dBm
155ac80	5775	16.7	16.56	16.49	16.37	16.25	16.17	16.05	15.91	15.81	15.70	<30dBm

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

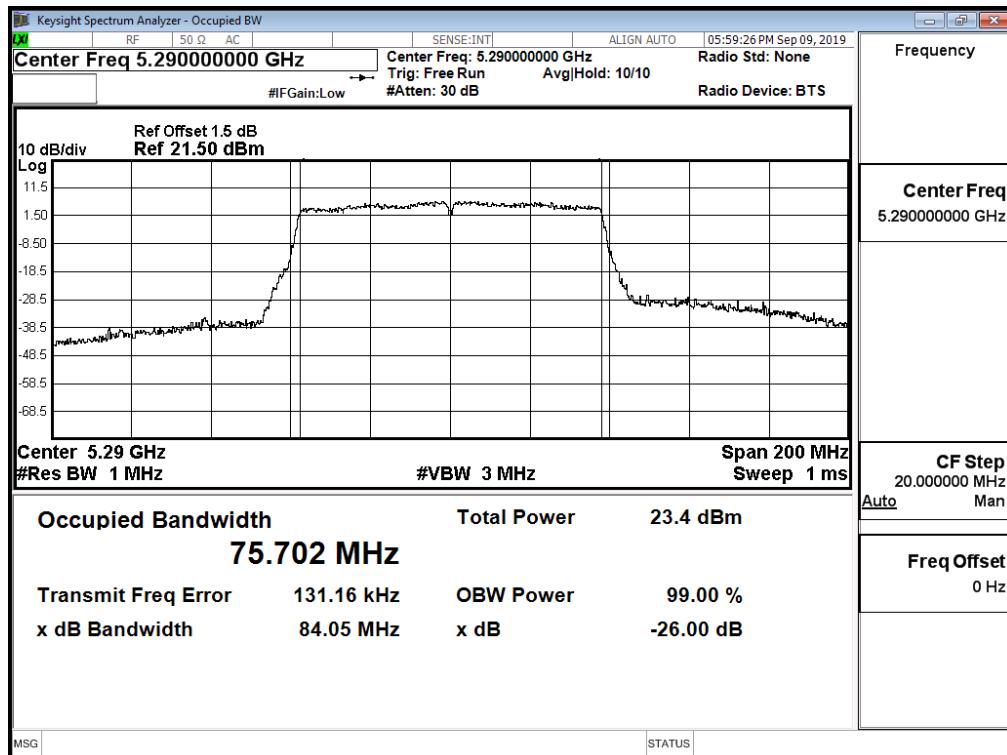
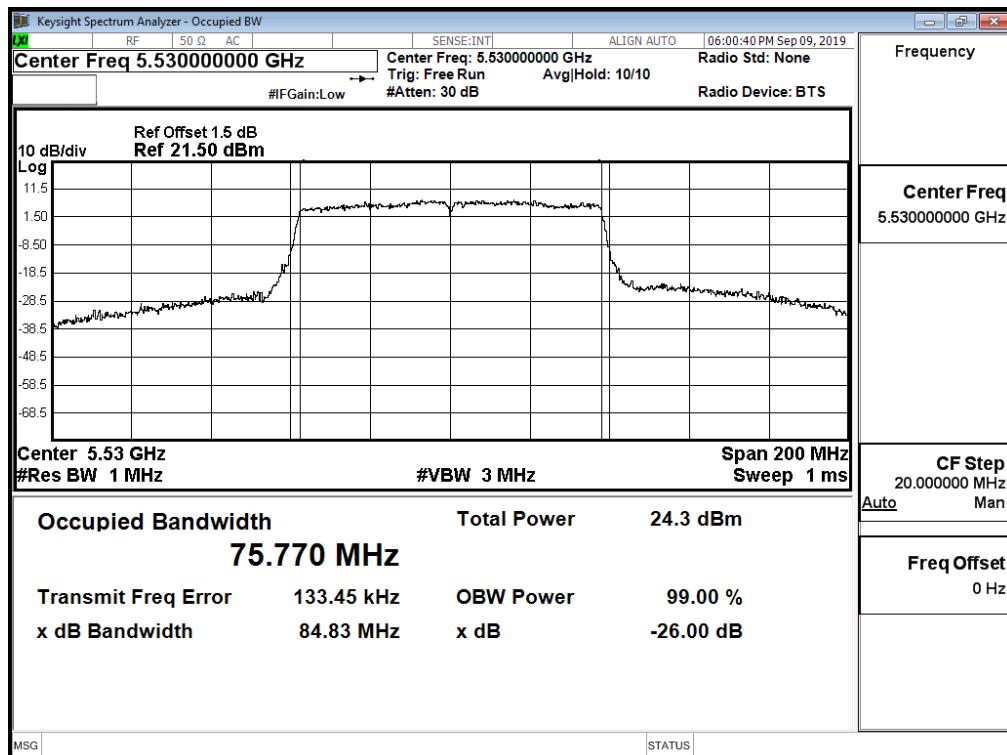
CHAIN B

Cable loss=1dB		Average Power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
42	5210	16.08	15.97	15.83	15.74	15.63	15.53	15.39	15.31	15.18	15.11	<24dBm
58	5290	14.7	14.58	14.51	14.43	14.34	14.20	14.10	14.00	13.93	13.80	<24dBm
106ac80	5530	15.39	--	--	--	--	--	--	--	--	--	<24dBm
138ac80(U-NII-2C)	5690	16.07	--	--	--	--	--	--	--	--	--	<24dBm
138ac80(U-NII-3)	5690	1.12	--	--	--	--	--	--	--	--	--	<24dBm
155ac80	5775	15.09	15.02	14.88	14.74	14.6	14.52	14.4	14.32	14.22	14.08	<30dBm

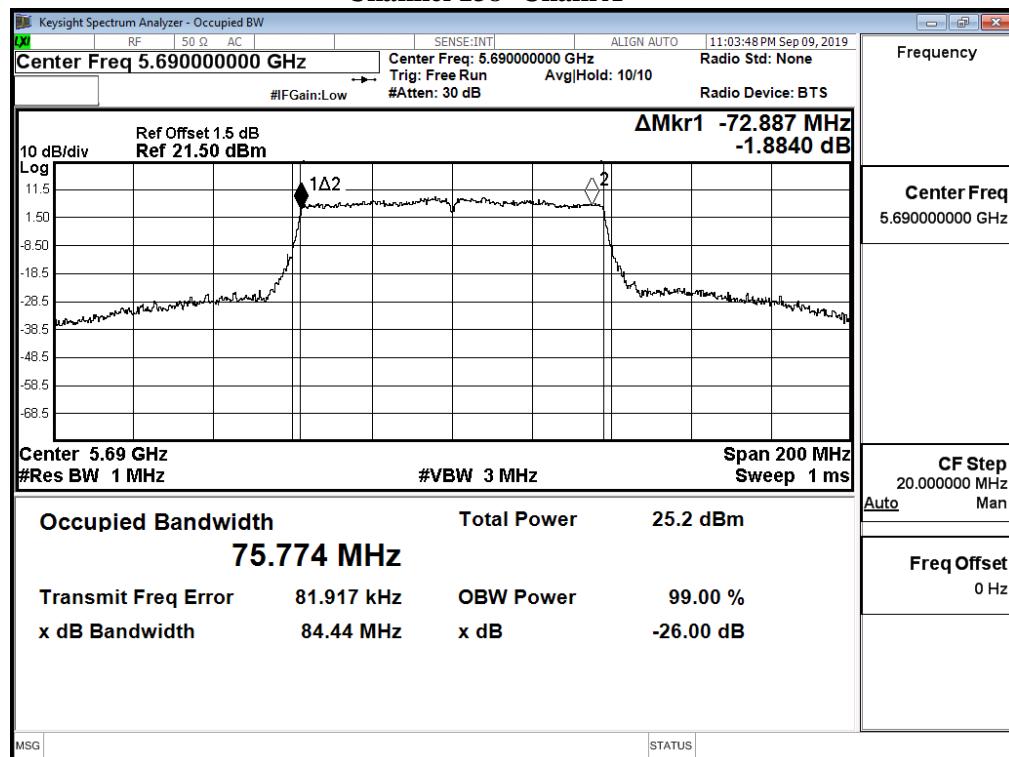
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement:**(CHAIN A+ B)**

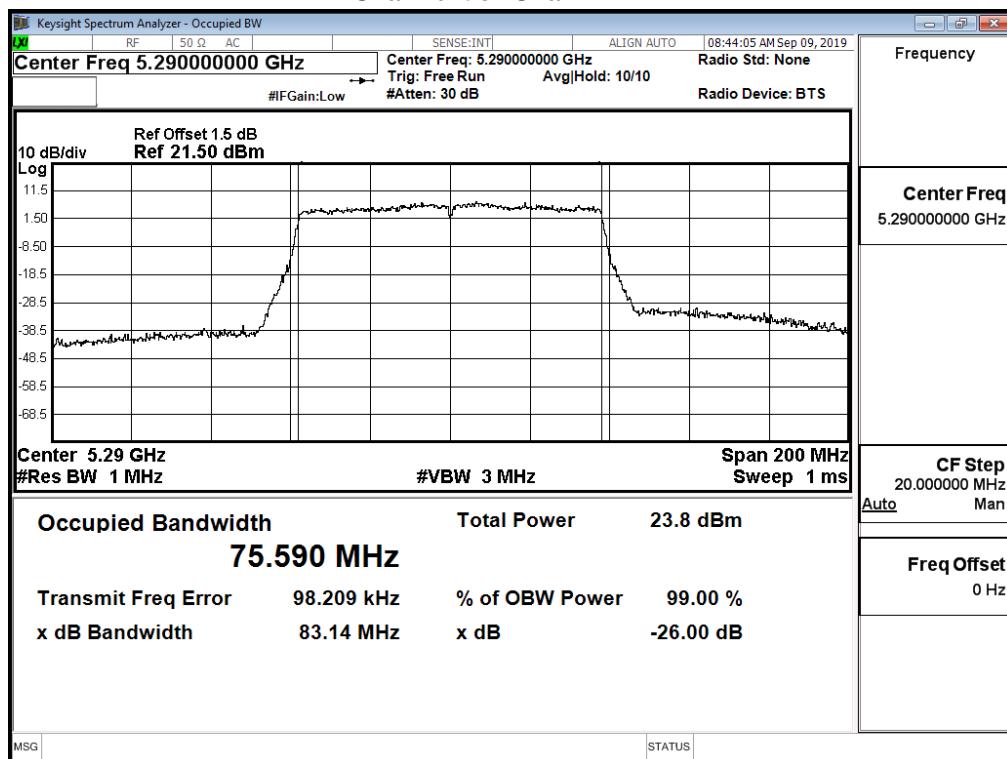
Channel Number	Frequency Range (MHz)	99% Bandwidth (MHz)	Chain A Power	Chain B Power	Output Power	Output Power Limit	
			(dBm)	(dBm)	(dBm)	(dBm)	(dBm+10log(BW))
42	5210	--	16.140	16.080	19.12	24	--
58	5290	75.590	14.610	14.700	17.67	24	29.78
106	5530	75.615	16.370	15.390	18.92	24	29.79
138(U-NII-2C)	5690	72.887	17.560	16.070	19.89	24	29.63
138(U-NII-3)	5690	--	2.980	1.120	5.16	30	--
155	5775	--	16.700	15.090	18.98	30	--

99% Occupied Bandwidth:**Channel 58 -Chain A****Channel 106 -Chain A**

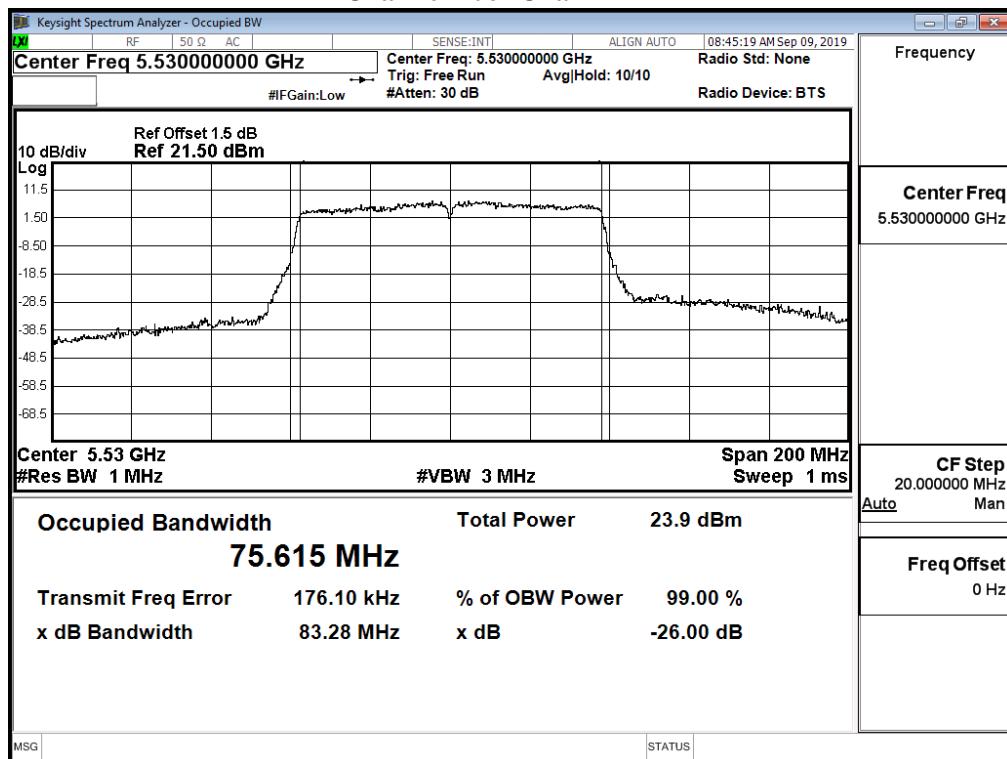
Channel 138 -Chain A



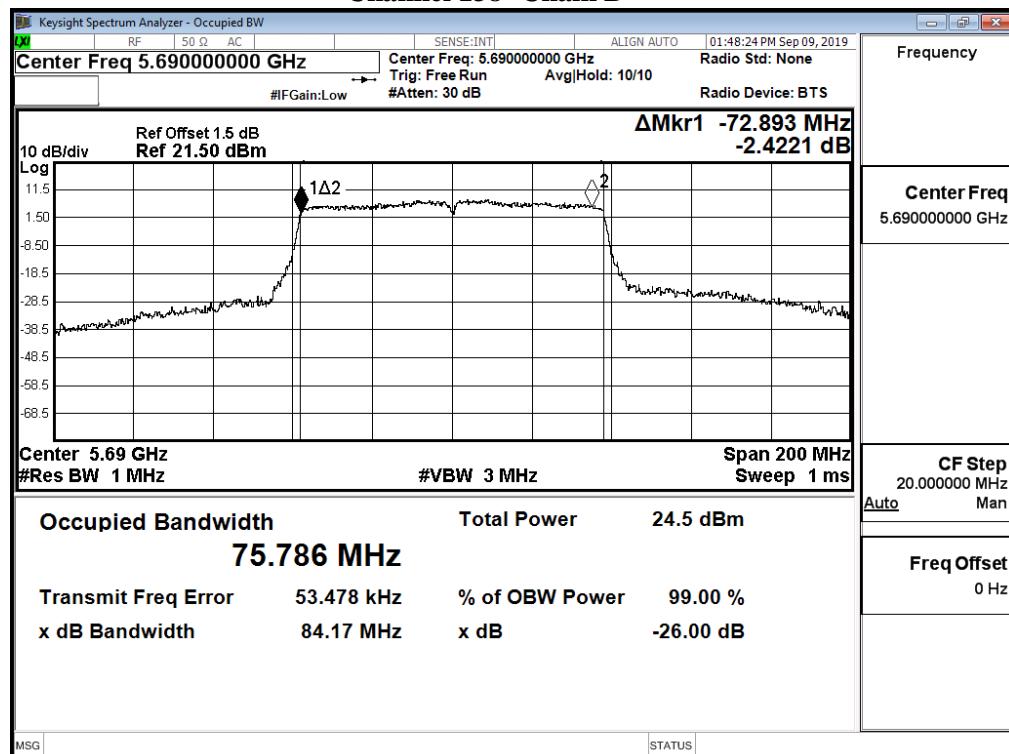
Channel 58 -Chain B

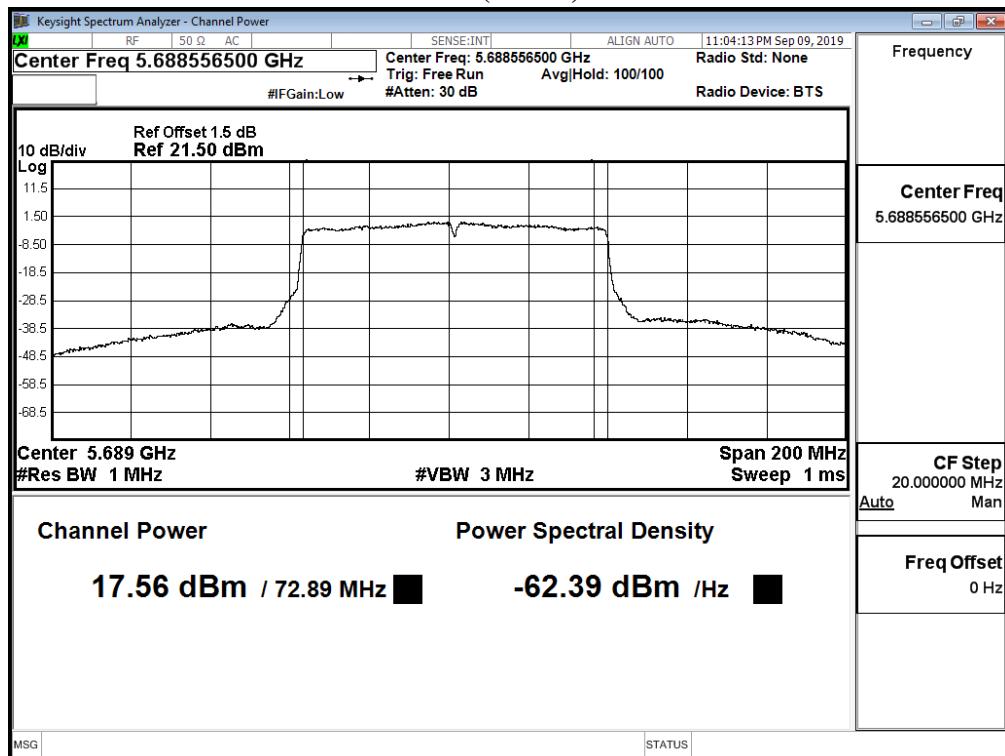
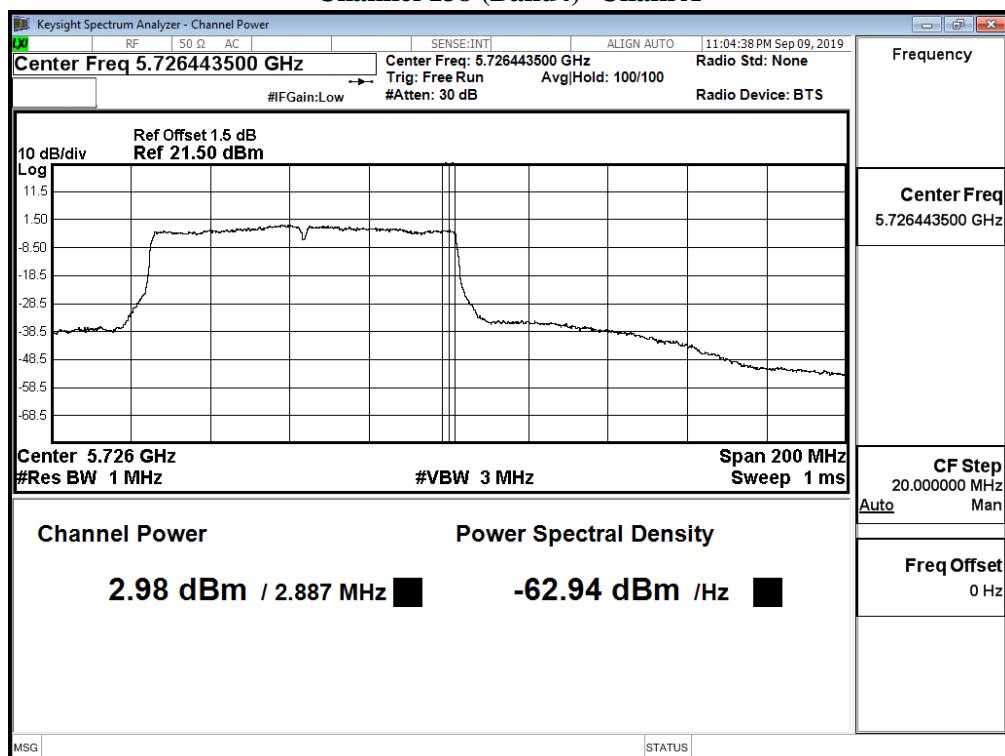


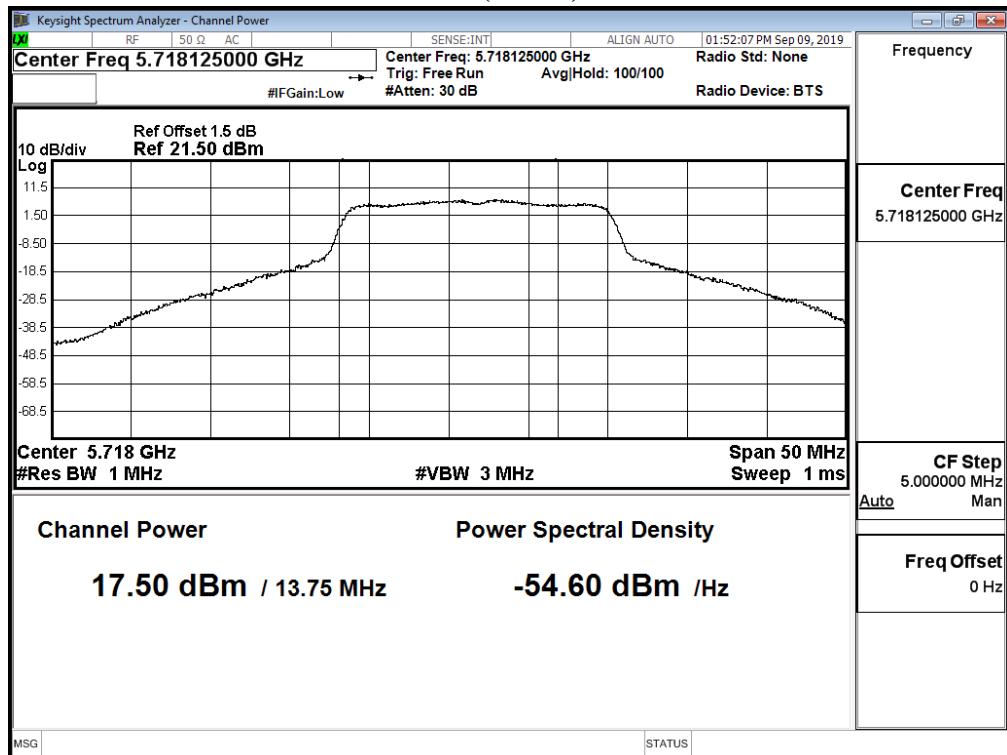
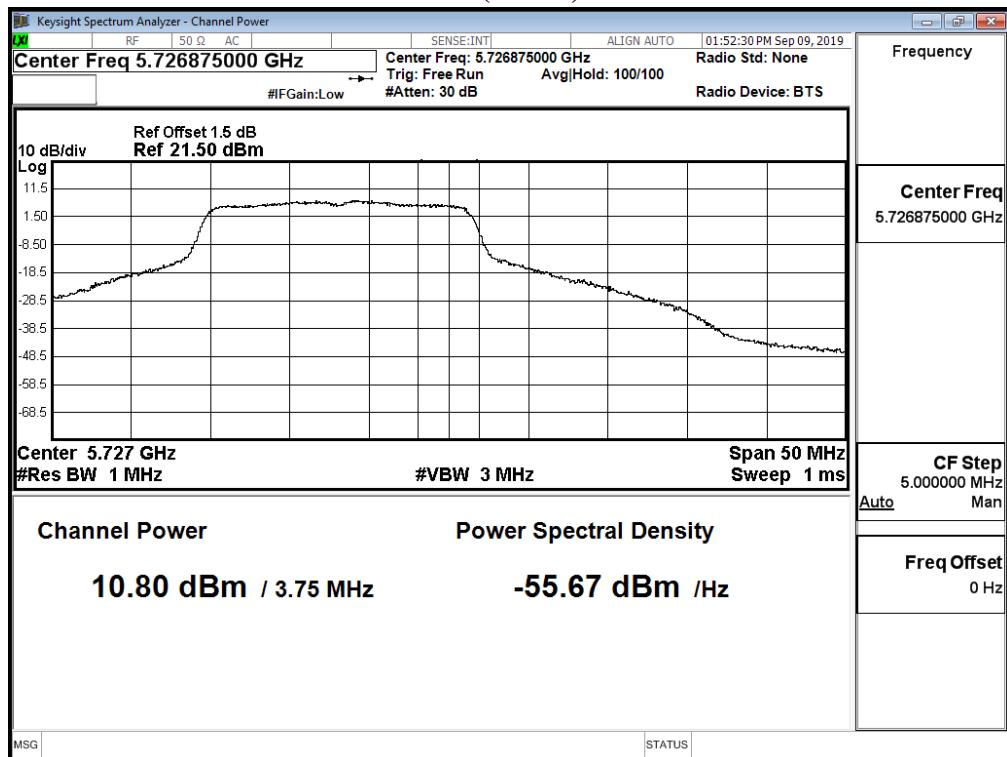
Channel 106 -Chain B



Channel 138 -Chain B



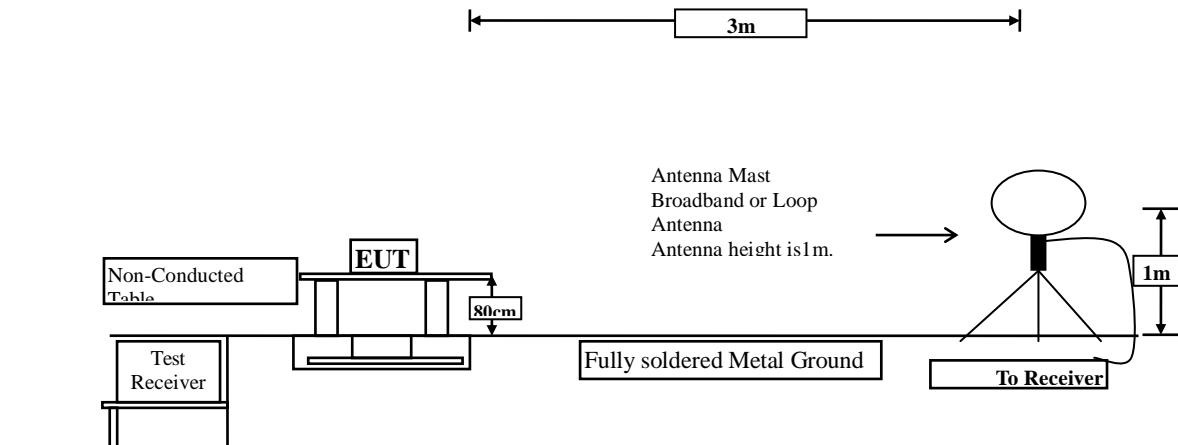
Maximum conducted output power:**Channel 138 (Band3) -Chain A****Maximum conducted output power:****Channel 138 (Band4) -Chain A**

Maximum conducted output power:**Channel 138 (Band3) -Chain B****Maximum conducted output power:****Channel 138 (Band4) -Chain B**

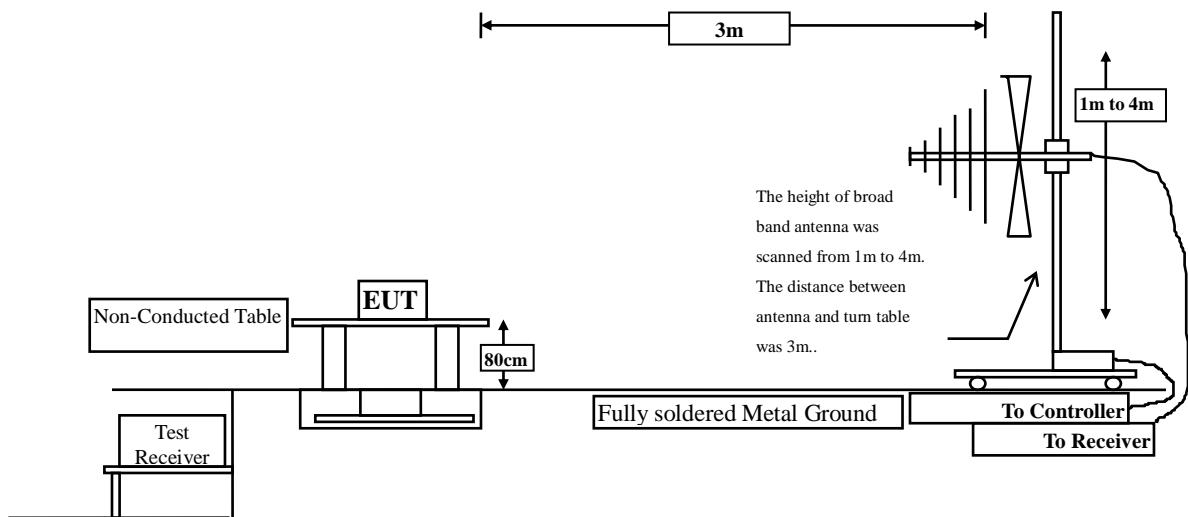
3. Radiated Emission

3.1. Test Setup

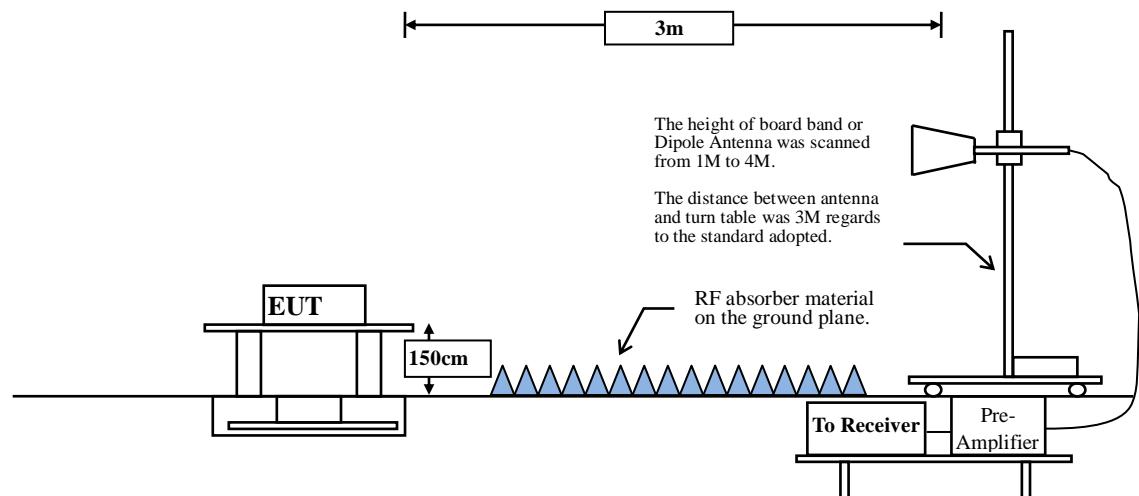
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



3.2. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209(a) Limits		
Frequency MHz	Field strength (microvolts/meter)	Measurement distance (meter)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remarks: E field strength ($\text{dB}\mu\text{V}/\text{m}$) = $20 \log E$ field strength (uV/m)

The final test results meets all the applicable FCC rules, including FCC Part 15C and Part 22H, Part 24E, Part 27 Part 90.

3.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested according to FCC KDB-789033 test procedure for compliance to FCC 47CFR 15. 407 requirements.

Measuring the frequency range below 1GHz, the EUT is placed on a turn table which is 0.8 meter above ground, when measuring the frequency range above 1GHz, the EUT is placed on a turn table which is 1.5 meter above ground.

The turn table is rotated 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10: 2013 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The measurement frequency range from 9kHz - 10th Harmonic of fundamental was investigated.

RBW and VBW Parameter setting:

According to KDB 789033 section II.G.5 Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz.

RBW = 1MHz.

VBW \geq 3MHz.

According to KDB 789033 section II.G.6 Procedures for Average Unwanted Emissions Measurements above 1000 MHz.

RBW = 1MHz.

VBW = 10Hz, when duty cycle \geq 98 %

VBW \geq 1/T, when duty cycle < 98 %

(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

5GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11a	94.51	2.0449	489	500
802.11ac20	94.43	1.9159	522	1000
802.11ac40	90.97	0.9493	1053	2000
802.11ac80	83.25	0.4609	2170	3000

Note: Duty Cycle Refer to Section 5

3.4. Uncertainty

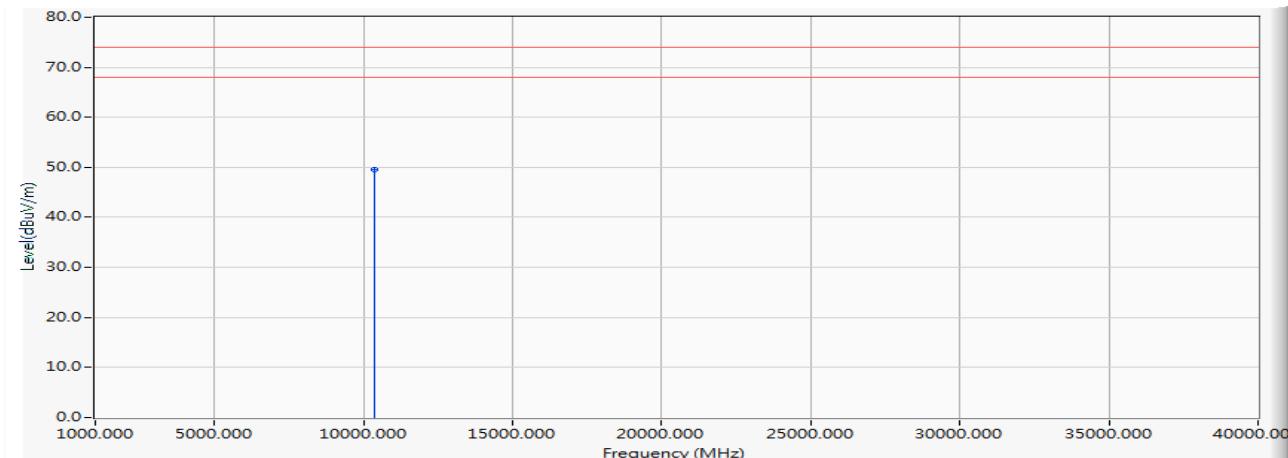
± 4.08 dB below 1GHz

± 4.22 dB above 1GHz

3.5. Test Result of Radiated Emission

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 1:802.11a_Band 1+GSM850_836.4MHz+NFC(5180MHz)

Horizontal



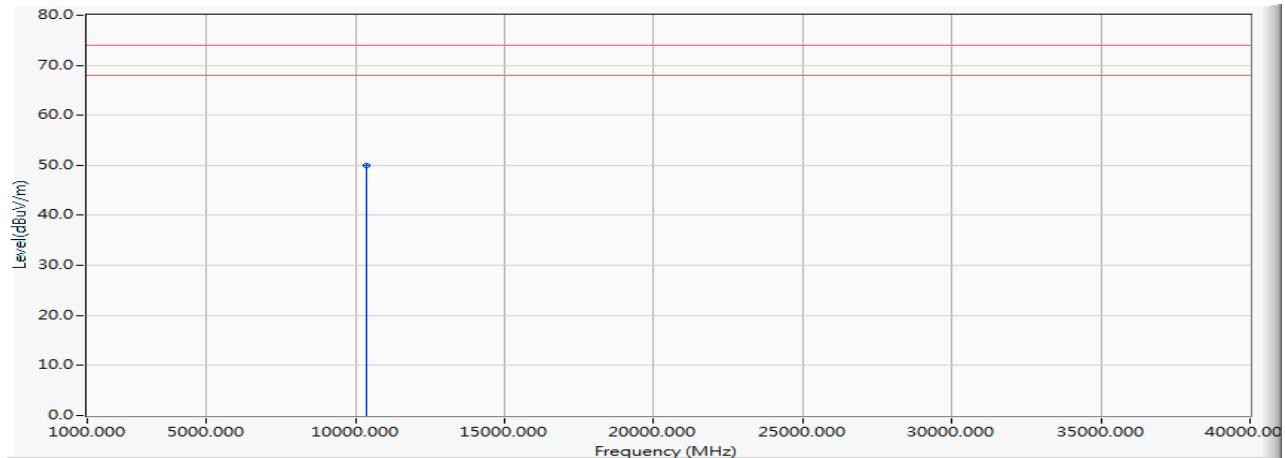
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	10360.000	-9.899	59.470	49.571	-24.429	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 1:802.11a_Band 1+GSM850_836.4MHz+NFC(5180MHz)

Vertical



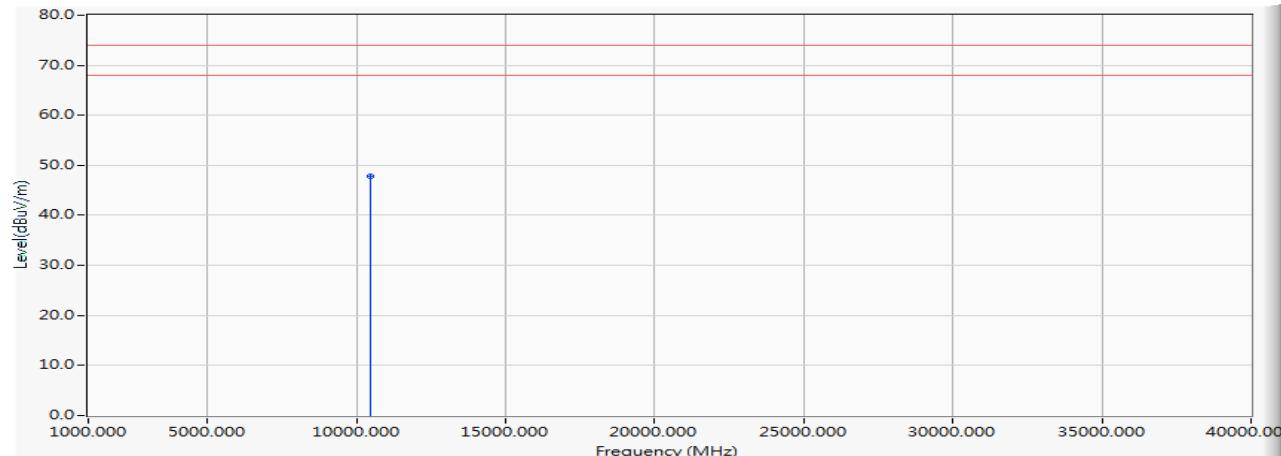
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.000	-9.899	59.810	49.911	-24.089	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 1:802.11a_Band 1+GSM850_836.4MHz+NFC(5220MHz)

Horizontal



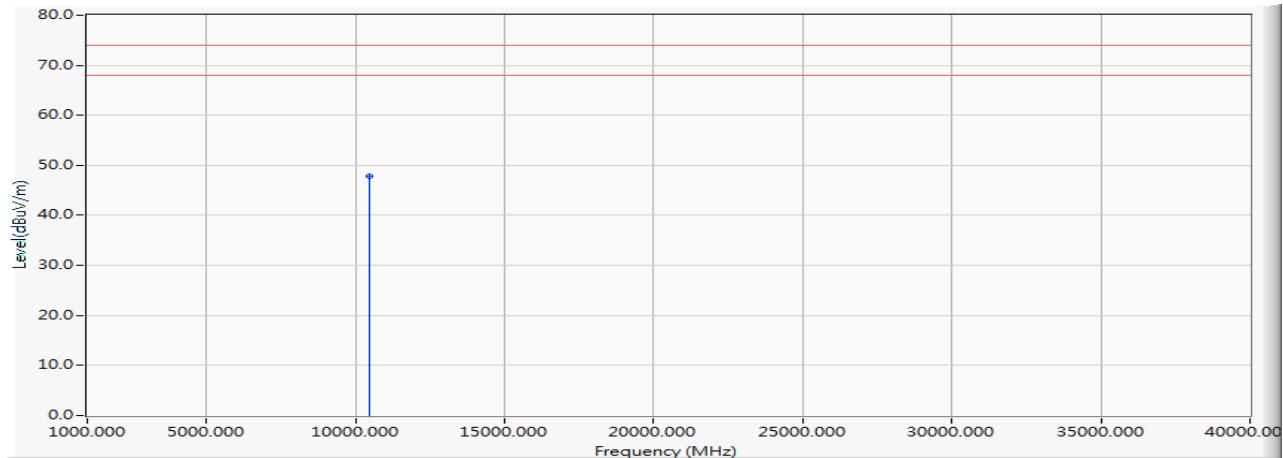
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	-10.540	58.450	47.910	-26.090	74.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 1:802.11a_Band 1+GSM850_836.4MHz+NFC (5220MHz)

Vertical



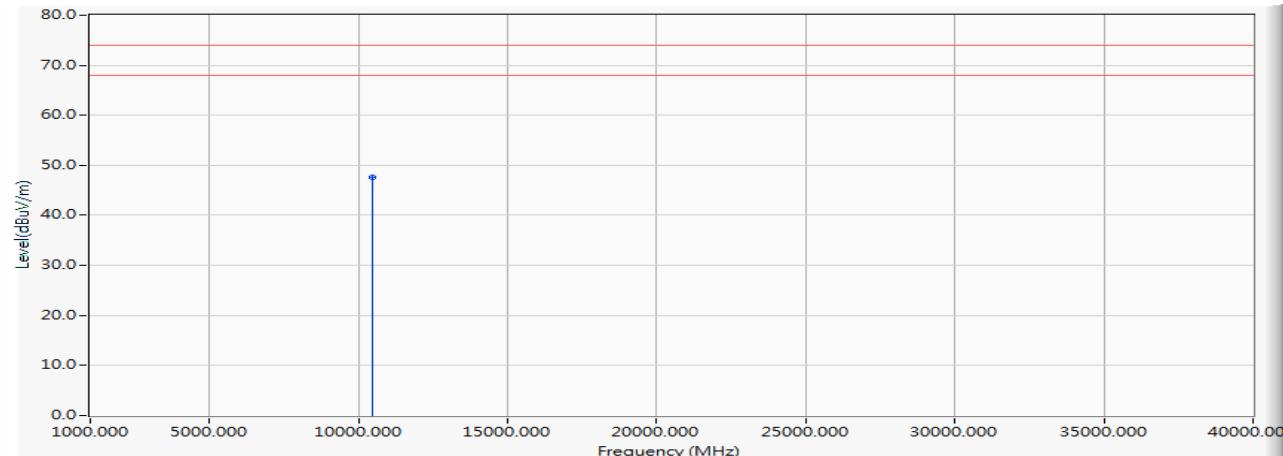
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	-10.540	58.460	47.920	-26.080	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 1:802.11a_Band 1+GSM850_836.4MHz+NFC(5240MHz)

Horizontal



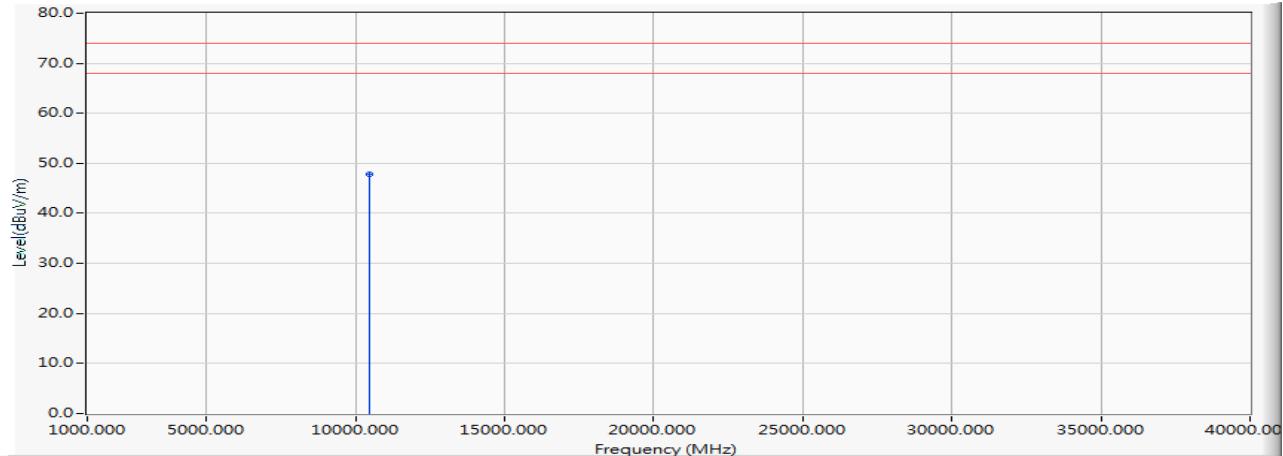
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	-10.937	58.620	47.683	-26.317	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 1:802.11a_Band 1+GSM850_836.4MHz+NFC(5240MHz)

Vertical



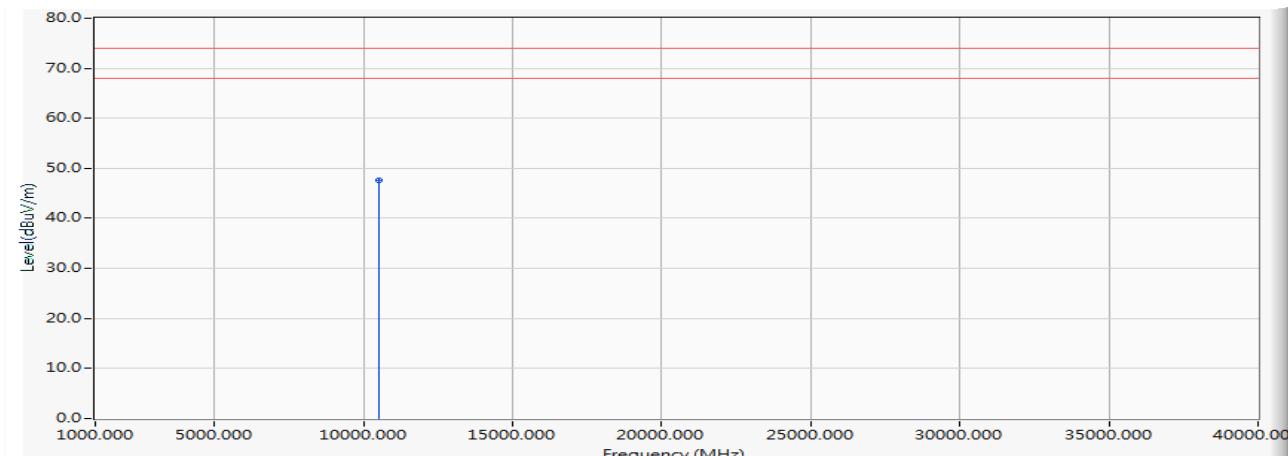
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	-10.937	58.730	47.793	-26.207	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 5:802.11a_Band 2a+WCDMA Band
 V_836.4MHz+NFC(5260MHz)

Horizontal



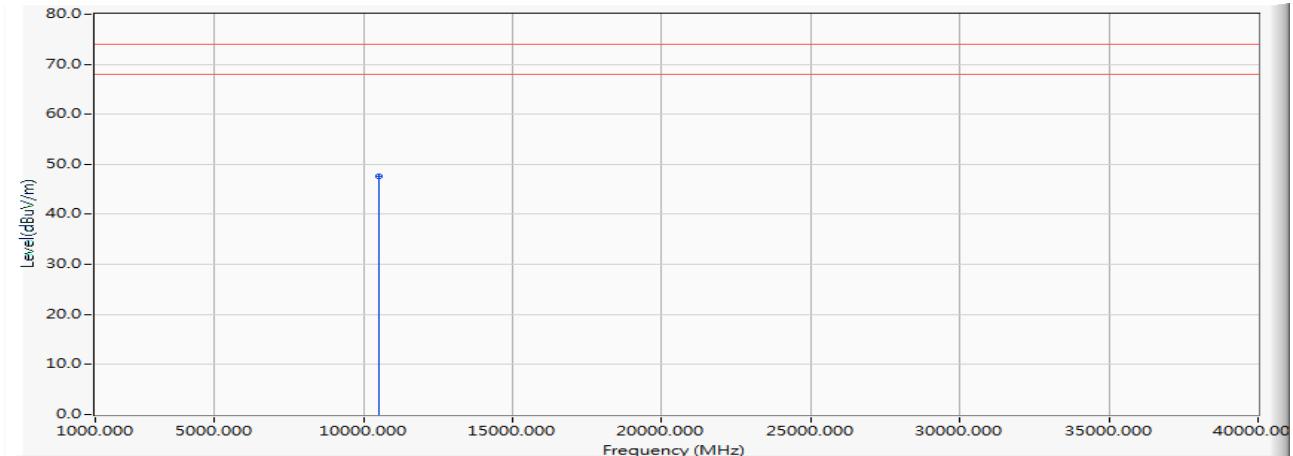
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10520.000	-11.289	58.920	47.631	-26.369	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 5:802.11a_Band 2a+WCDMA Band
 V_836.4MHz+NFC(5260MHz)

Vertical



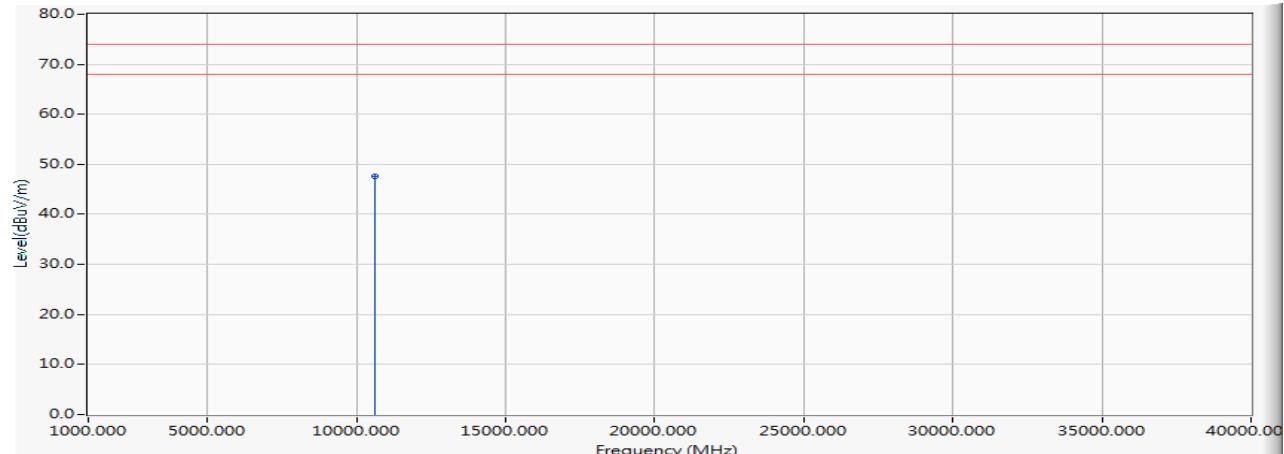
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	10520.000	-11.289	58.960	47.671	-26.329	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 5:802.11a_Band 2a+WCDMA Band V_836.4MHz+NFC(5300MHz)

Horizontal



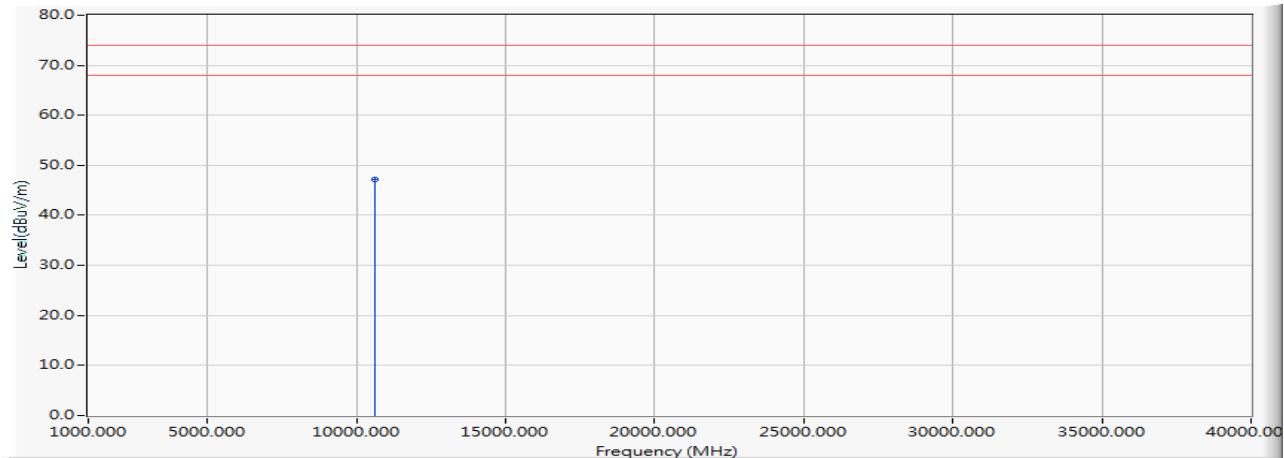
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10600.000	-11.904	59.530	47.626	-26.374	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 5:802.11a_Band 2a+WCDMA Band V_836.4MHz+NFC(5300MHz)

Vertical



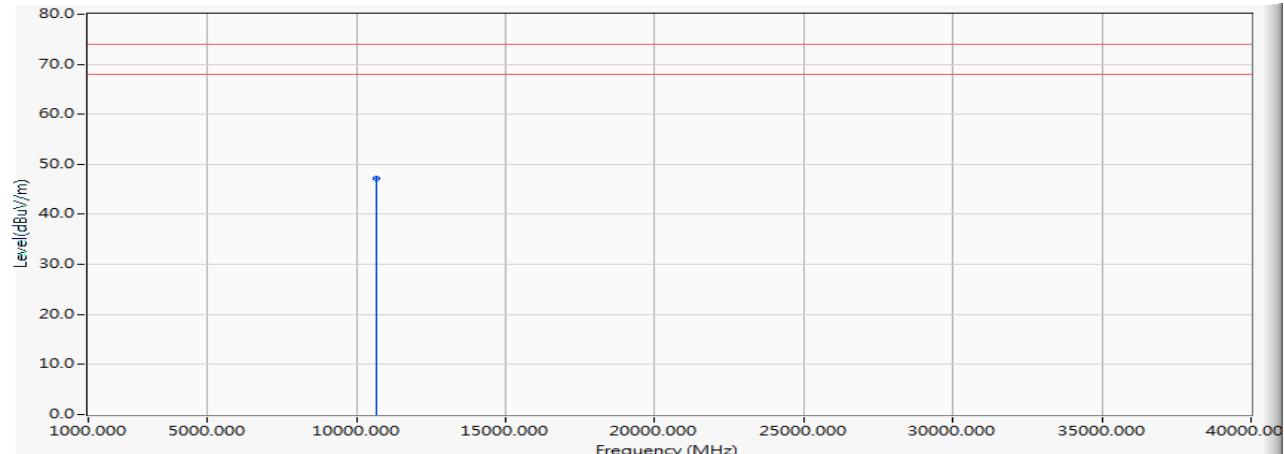
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10600.000	-11.904	58.990	47.086	-26.914	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 5:802.11a_Band 2a+WCDMA Band V_836.4MHz+NFC(5320MHz)

Horizontal



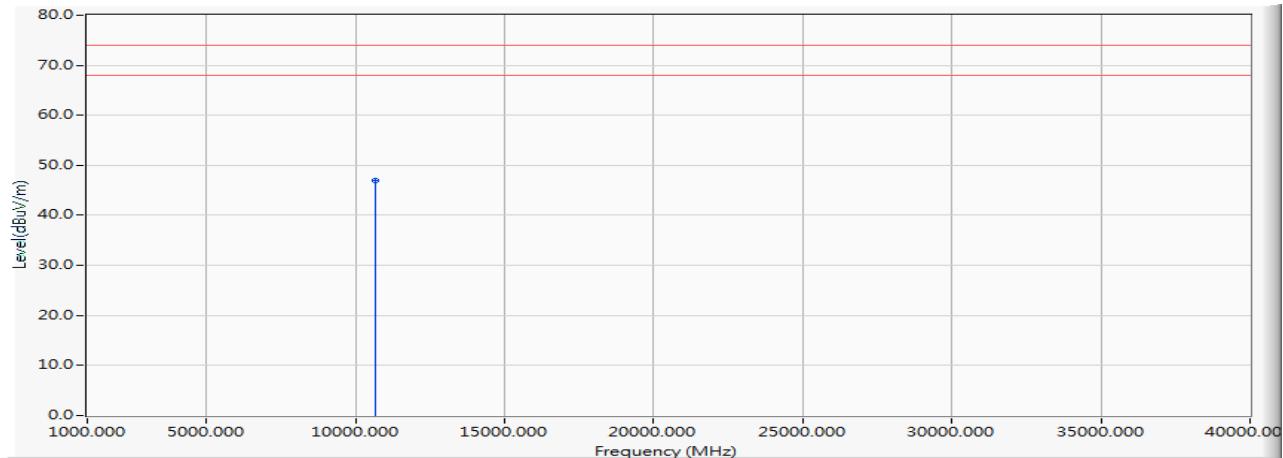
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10640.000	-12.246	59.430	47.184	-26.816	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 5:802.11a_Band 2a+WCDMA Band V_836.4MHz+NFC(5320MHz)

Vertical



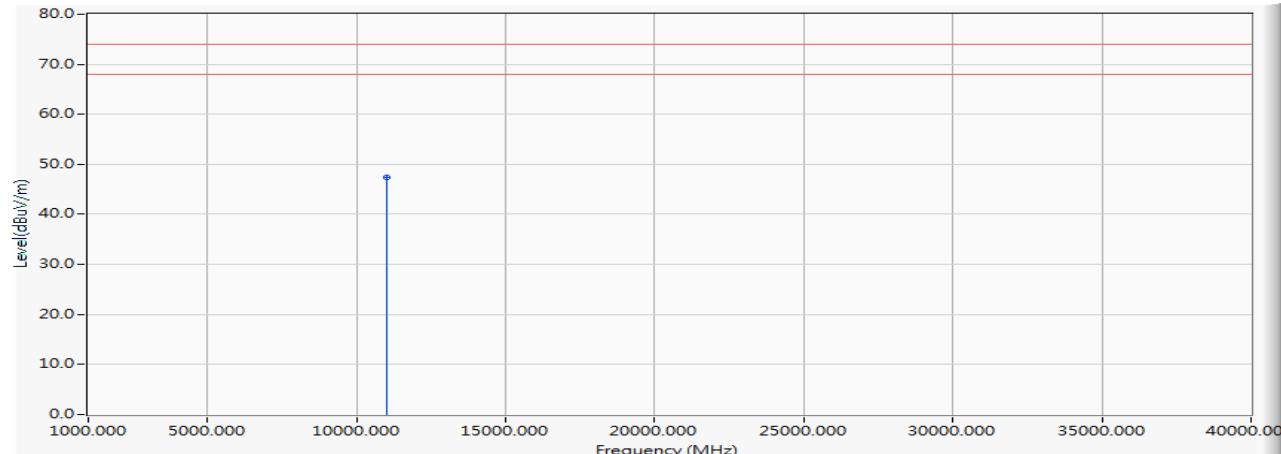
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10640.000	-12.246	59.120	46.874	-27.126	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 5:802.11a_Band 2a+WCDMA Band V_836.4MHz+NFC(5500MHz)

Horizontal



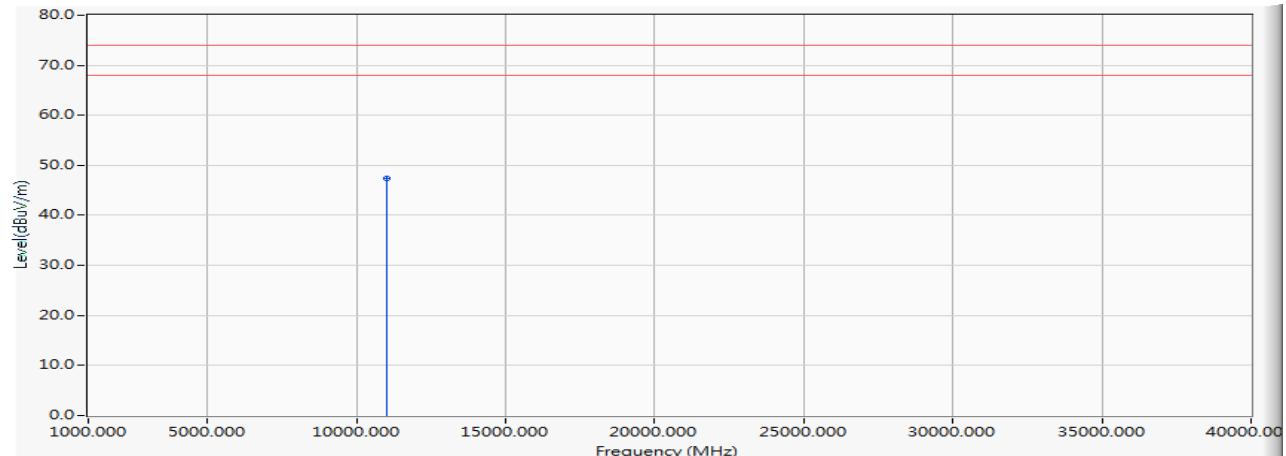
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11000.000	-10.606	58.050	47.444	-26.556	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 9:802.11a_Band 2c+LTE FDD Band 12_10M
 707.5MHz+NFC(5500MHz)

Vertical



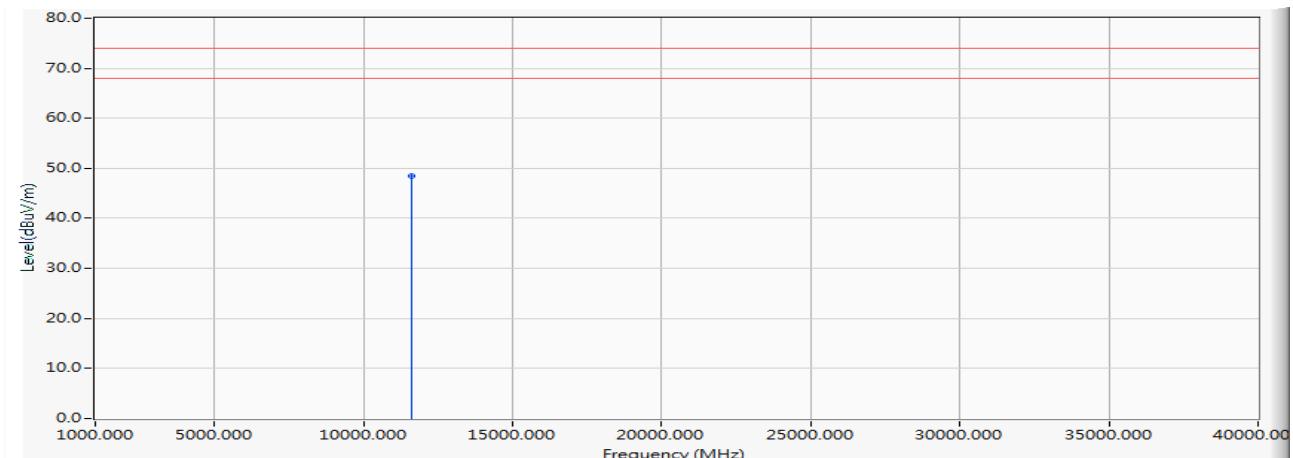
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11000.000	-10.606	58.110	47.504	-26.496	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 9:802.11a_Band 2c+LTE FDD Band 12_10M
 707.5MHz+NFC(5580MHz)

Horizontal



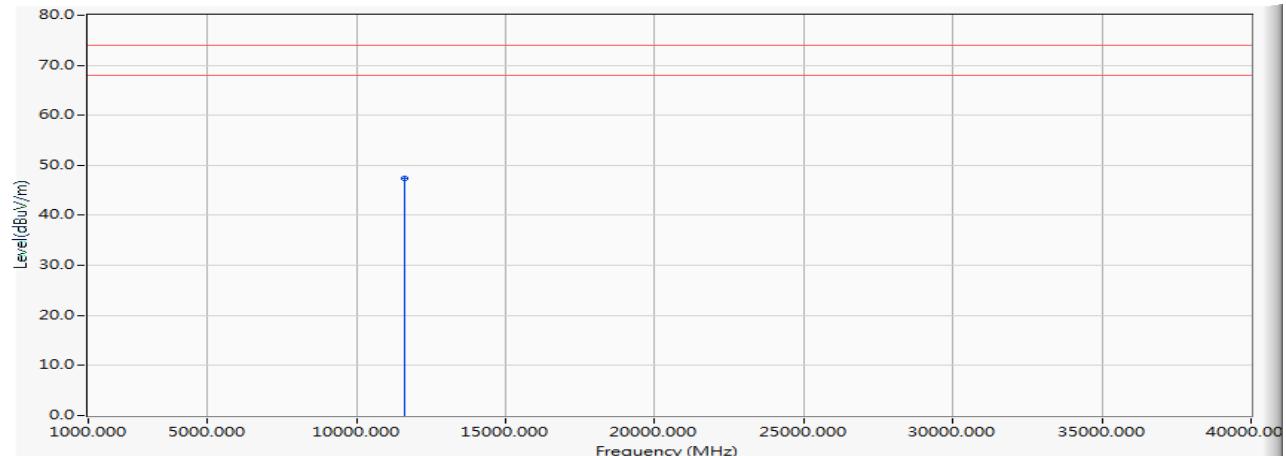
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11600.000	-9.973	58.520	48.546	-25.454	74.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 9:802.11a_Band 2c+LTE FDD Band 12_10M
 707.5MHz+NFC(5580MHz)

Vertical



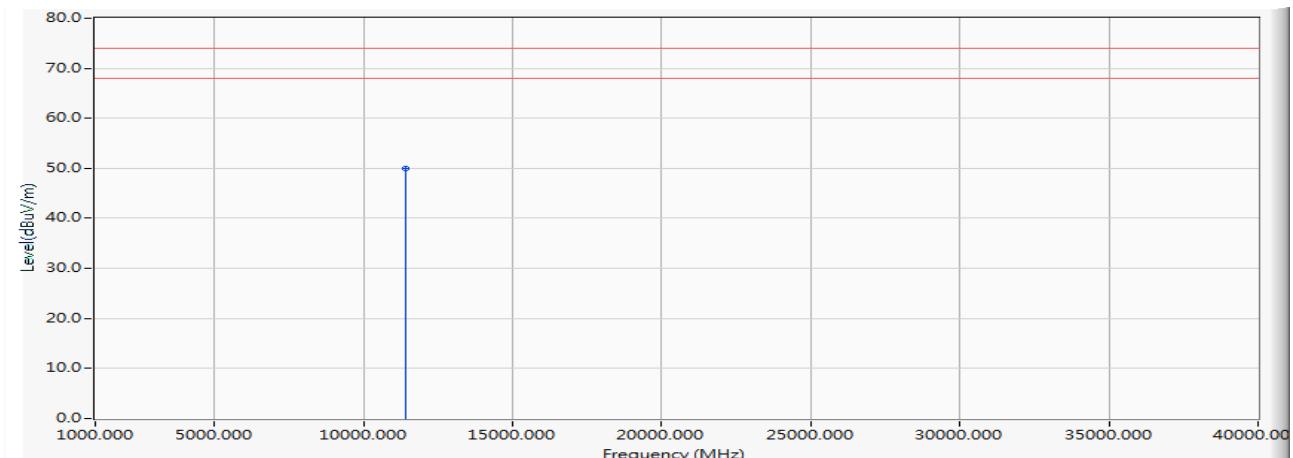
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11600.000	-9.973	57.270	47.296	-26.704	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 9:802.11a_Band 2c+LTE FDD Band 12_10M
 707.5MHz+NFC(5700MHz)

Horizontal



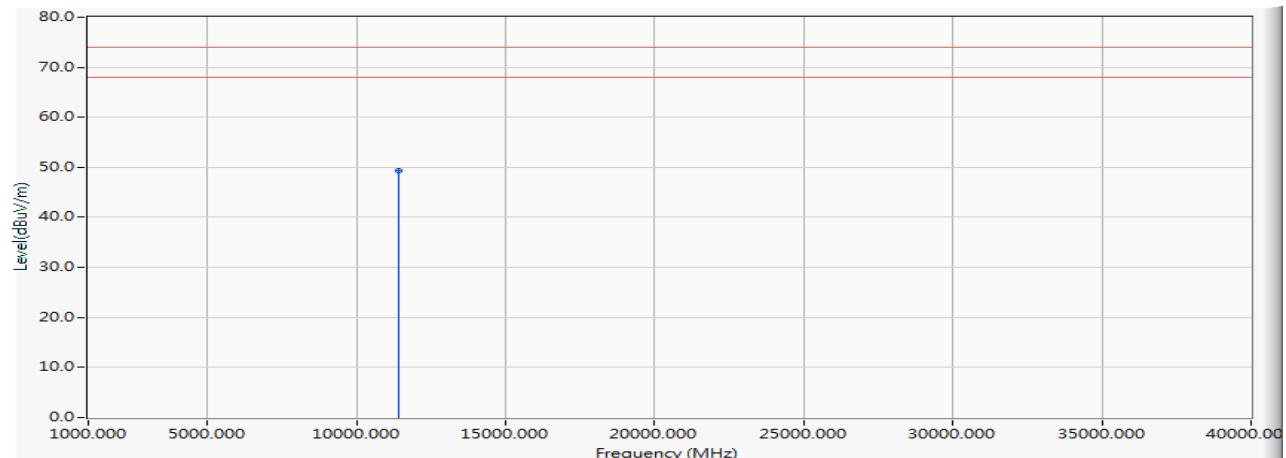
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11400.000	-9.769	59.690	49.921	-24.079	74.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 9:802.11a_Band 2c+LTE FDD Band 12_10M
 707.5MHz+NFC(5700MHz)

Vertical



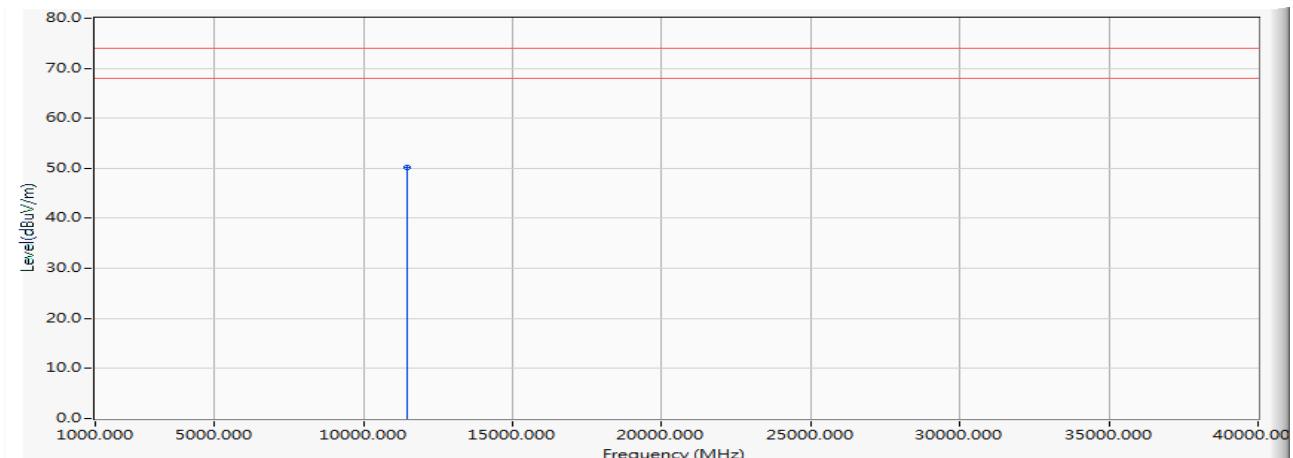
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11400.000	-9.769	59.060	49.291	-24.709	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 9:802.11a_Band 2c+LTE FDD Band 12_10M
 707.5MHz+NFC(5720MHz)

Horizontal



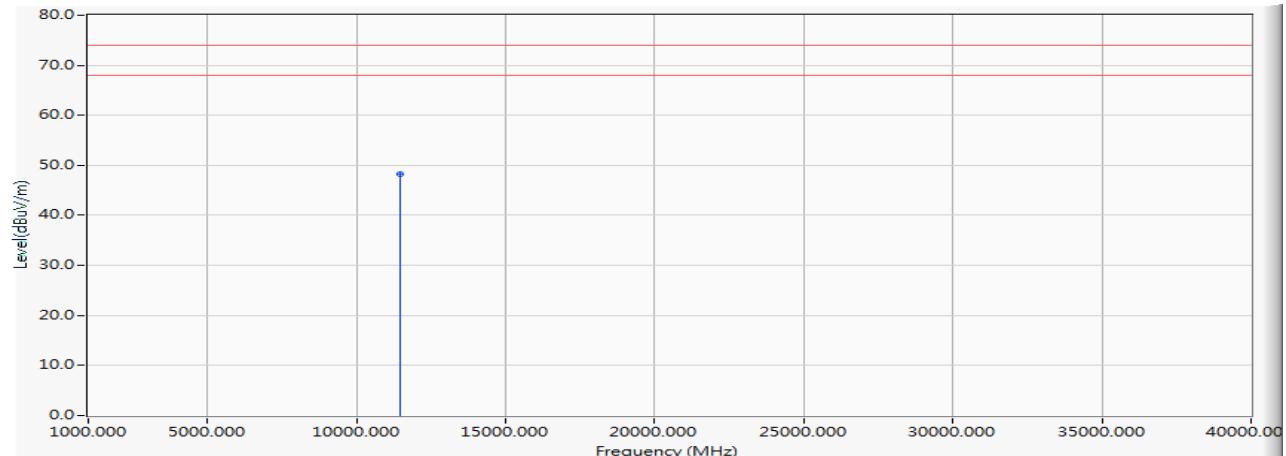
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11440.000	-10.042	60.330	50.288	-23.712	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 9:802.11a_Band 2c+LTE FDD Band 12_10M
 707.5MHz+NFC(5720MHz)

Vertical



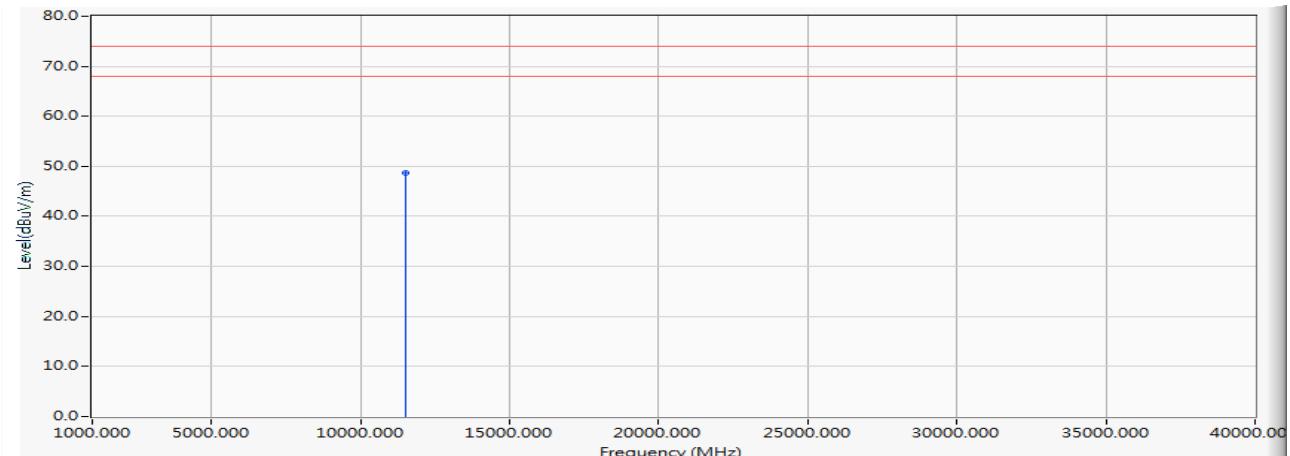
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11440.000	-10.042	58.210	48.168	-25.832	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 13:802.11a_Band 3+LTE FDD Band 26_15M
 831.5MHz+NFC(5745MHz)

Horizontal



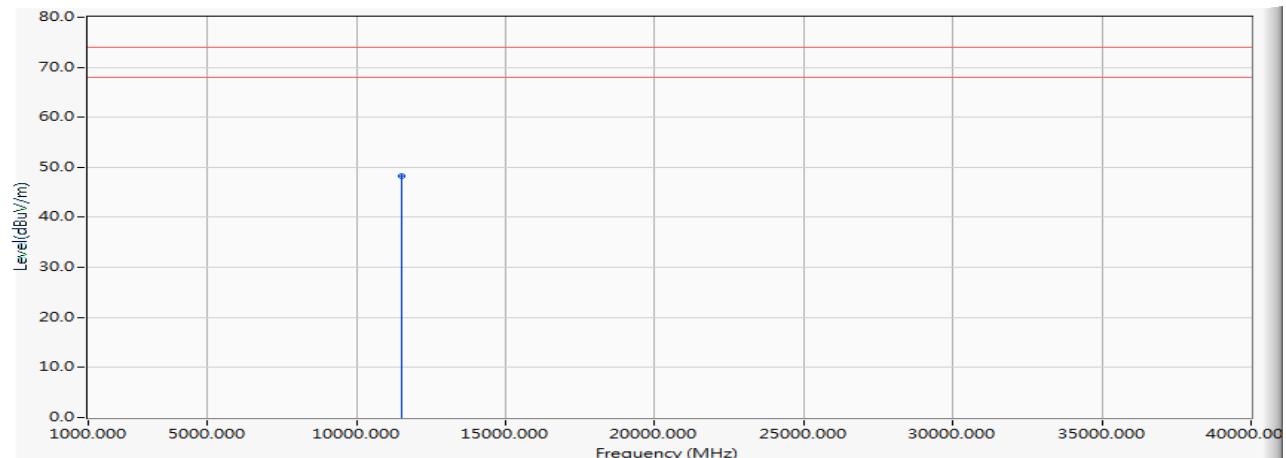
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11490.000	-10.385	59.110	48.725	-25.275	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 13:802.11a_Band 3+LTE FDD Band 26_15M
 831.5MHz+NFC(5745MHz)

Vertical



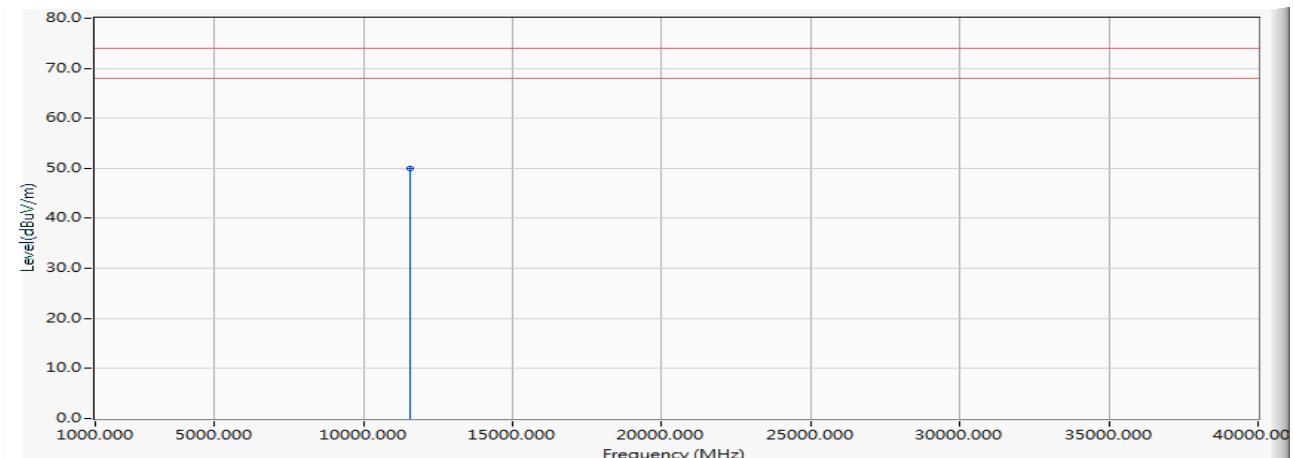
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11490.000	-10.385	58.630	48.245	-25.755	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 13:802.11a_Band 3+LTE FDD Band 26_15M
 831.5MHz+NFC(5785MHz)

Horizontal



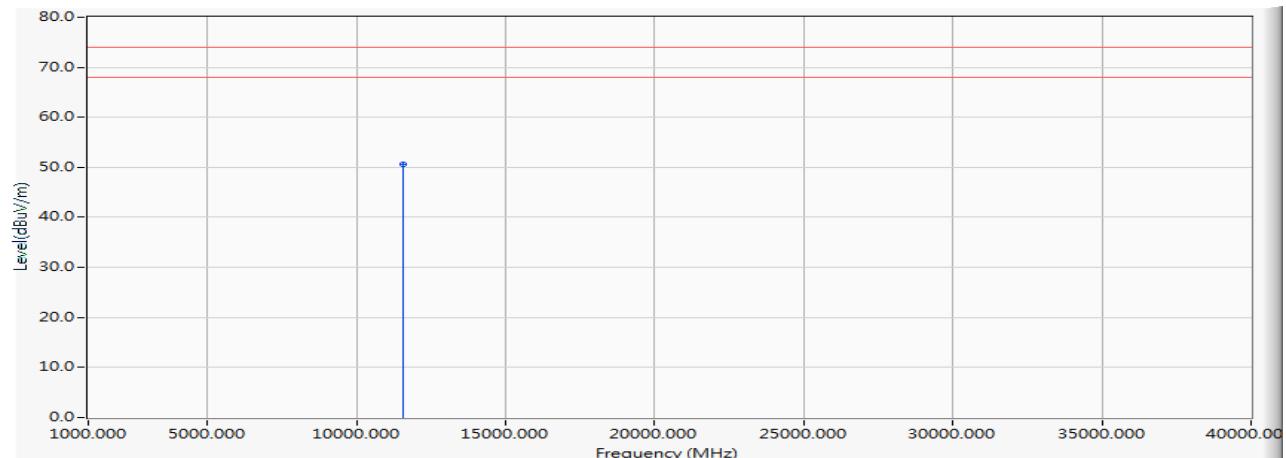
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11570.000	-10.101	60.110	50.010	-23.990	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 13:802.11a_Band 3+LTE FDD Band 26_15M
 831.5MHz+NFC(5785MHz)

Vertical



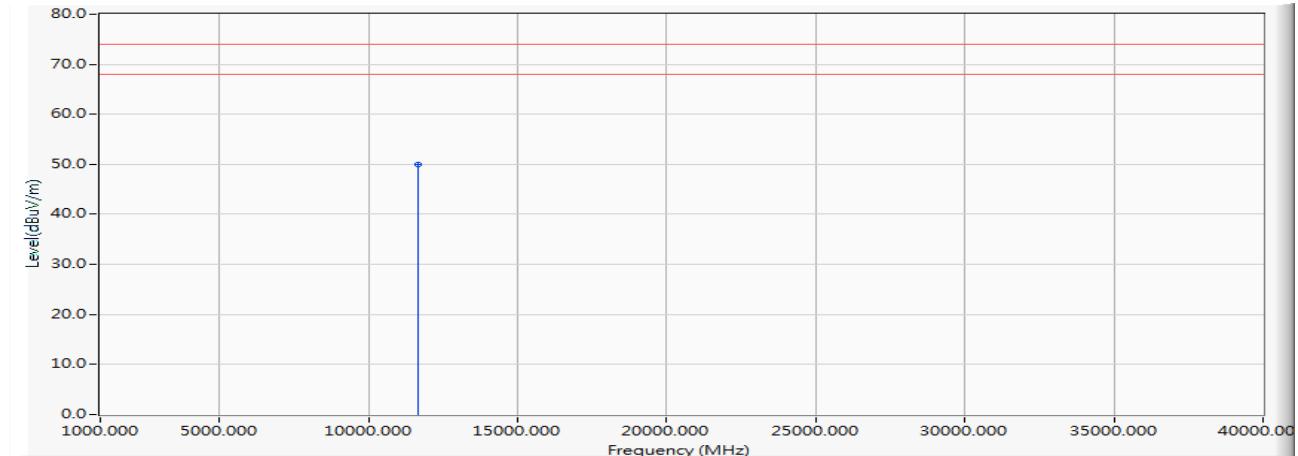
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11570.000	-10.101	60.610	50.510	-23.490	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 13:802.11a_Band 3+LTE FDD Band 26_15M
 831.5MHz+NFC(5825MHz)

Horizontal



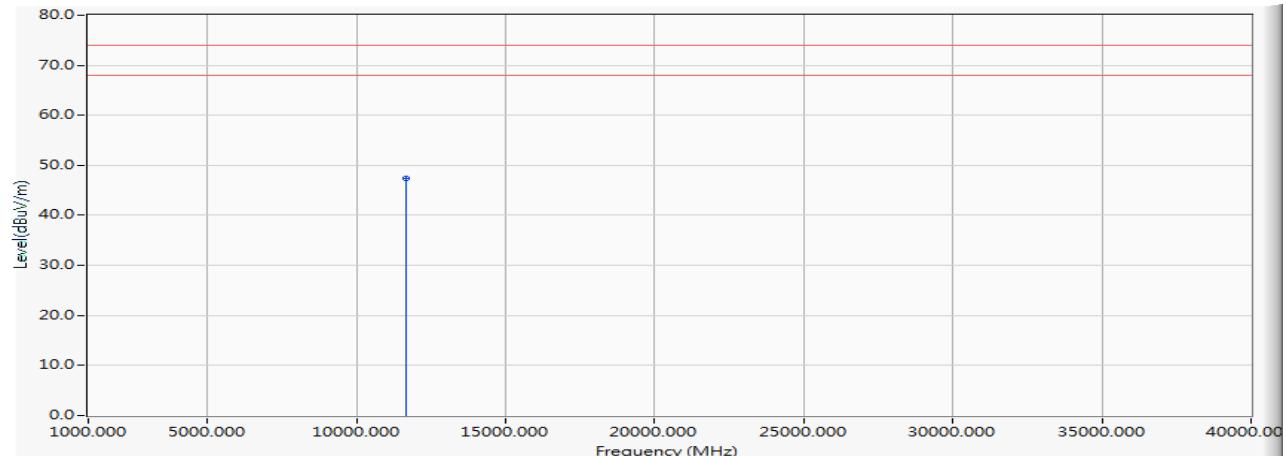
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	-9.992	59.950	49.958	-24.042	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 13:802.11a_Band 3+LTE FDD Band 26_15M
 831.5MHz+NFC(5825MHz)

Vertical



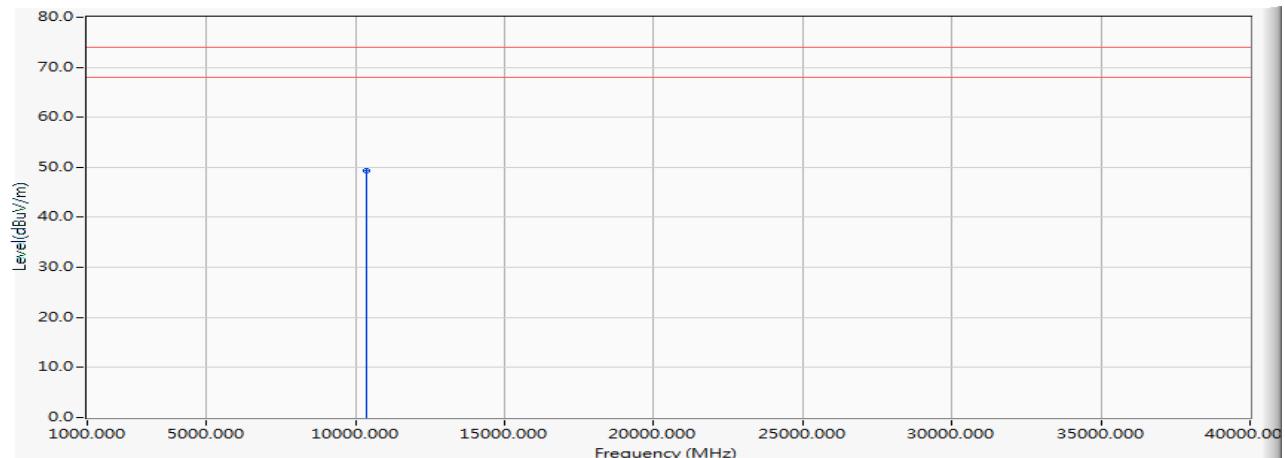
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11650.000	-9.992	57.350	47.358	-26.642	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 2:802.11n20_Band 1+GSM1900_1880MHz+NFC(5180MHz)

Horizontal



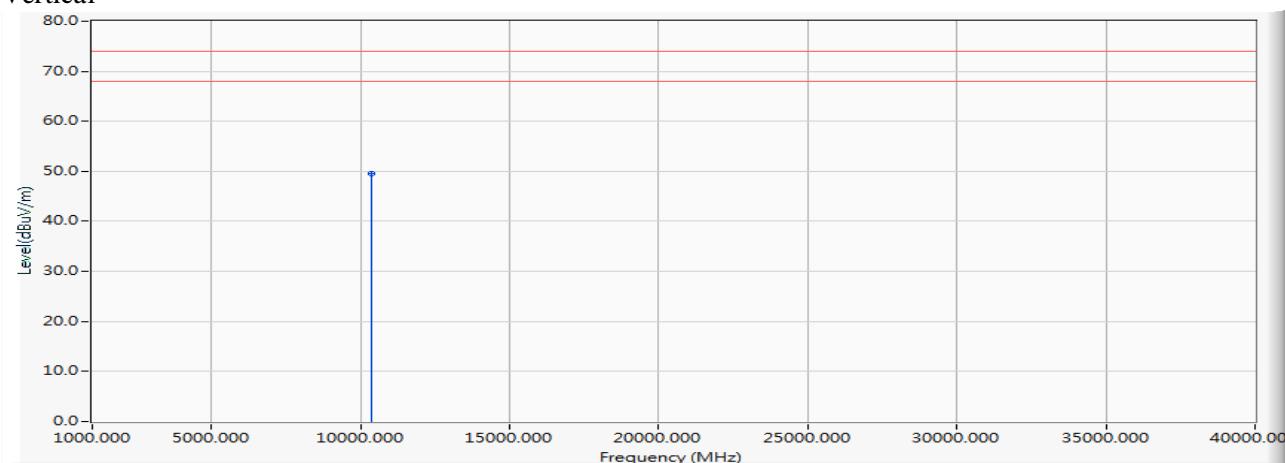
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.000	-9.899	59.330	49.431	-24.569	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 2:802.11n20_Band 1+GSM1900_1880MHz+NFC(5180MHz)

Vertical



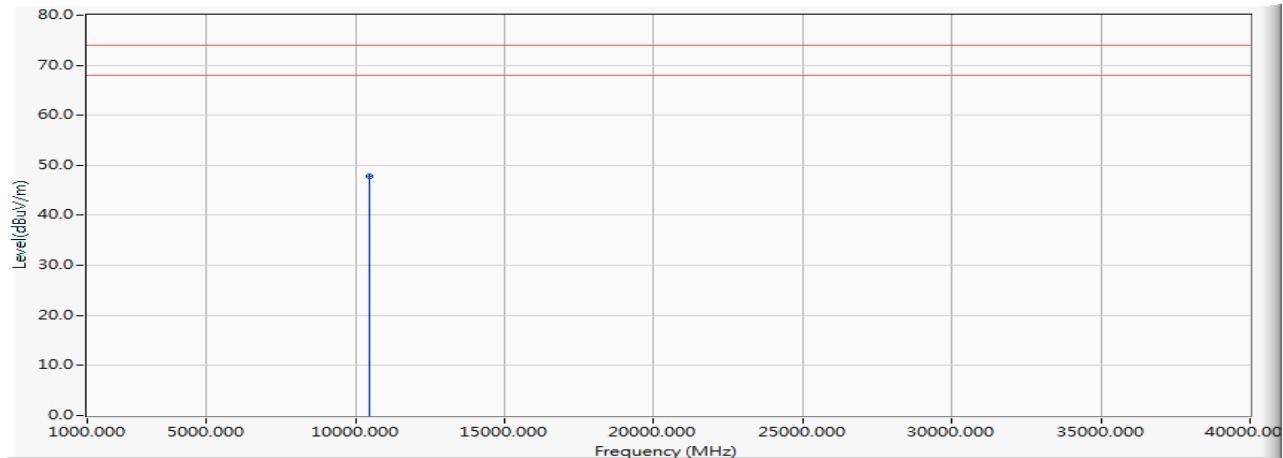
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10360.000	-9.899	59.420	49.521	-24.479	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 2:802.11n20_Band 1+GSM1900_1880MHz+NFC (5220MHz)

Horizontal



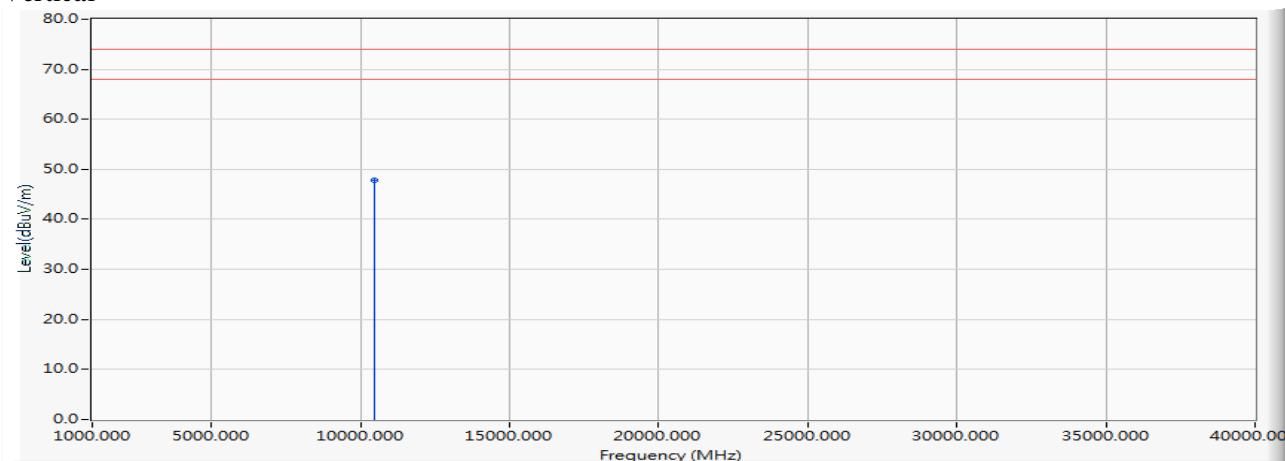
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	-10.540	58.430	47.890	-26.110	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 2:802.11n20_Band 1+GSM1900_1880MHz+NFC (5220MHz)

Vertical



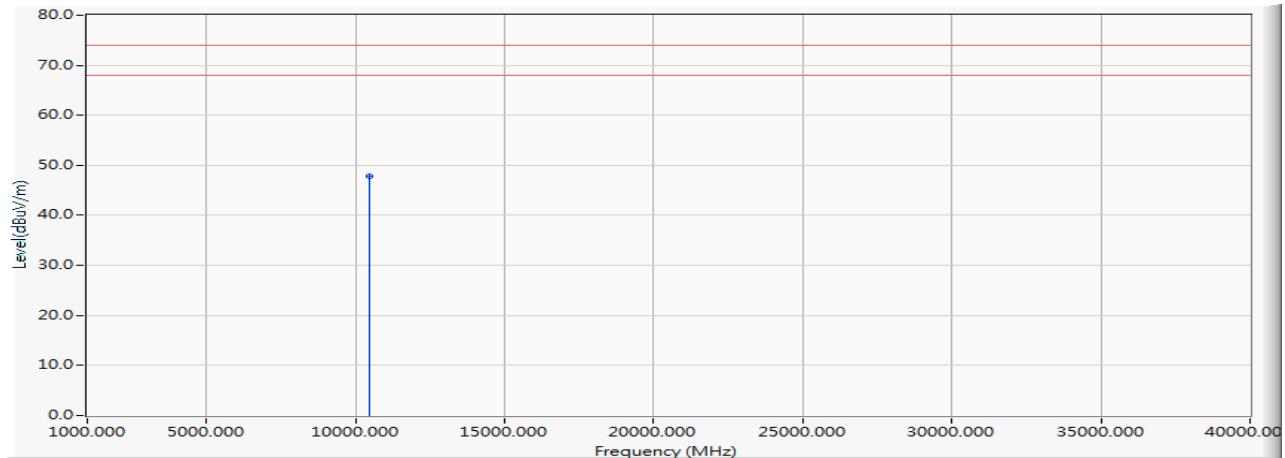
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10440.000	-10.540	58.470	47.930	-26.070	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 2:802.11n20_Band 1+GSM1900_1880MHz+NFC (5240MHz)

Horizontal



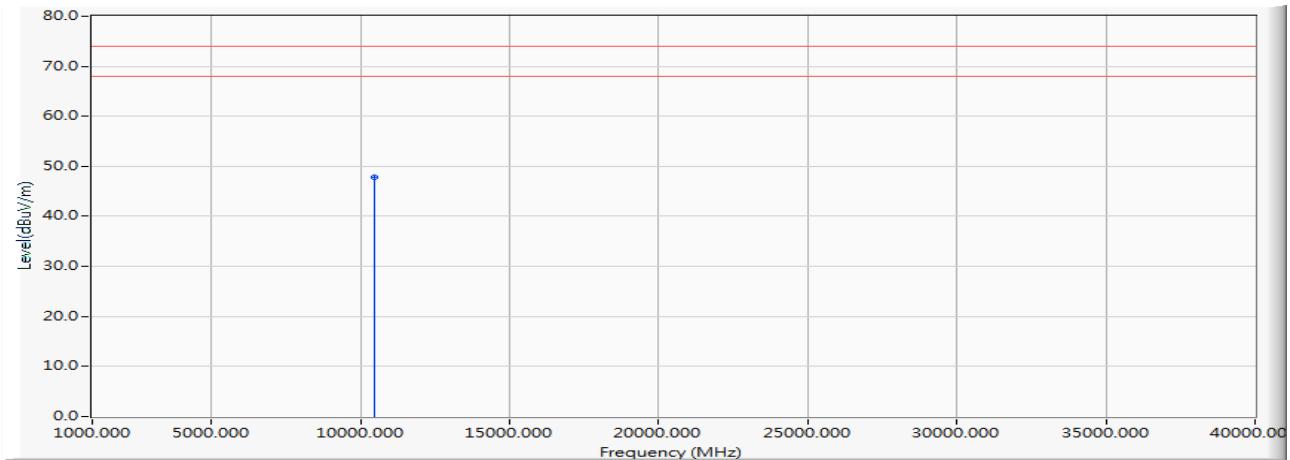
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	-10.937	58.750	47.813	-26.187	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 2:802.11n20_Band 1+GSM1900_1880MHz+NFC (5240MHz)

Vertical



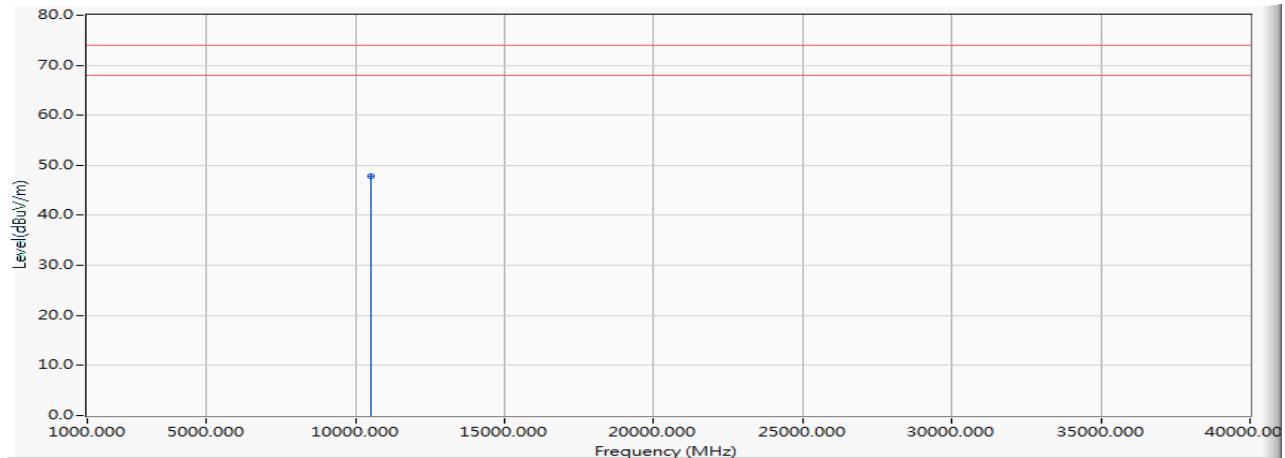
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10480.000	-10.937	58.670	47.733	-26.267	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 2:802.11n20_Band 1+GSM1900_1880MHz+NFC (5260MHz)

Horizontal



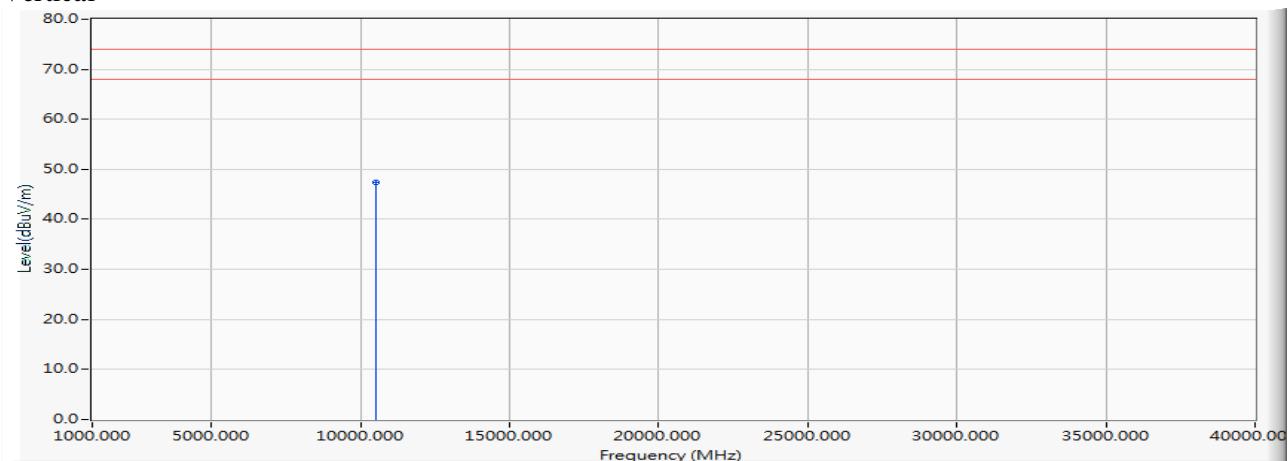
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10520.000	-11.289	59.220	47.931	-26.069	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 6:802.11n20_Band 2a+LTE FDD Band 2_20M 1880MHz+NFC (5260MHz)

Vertical



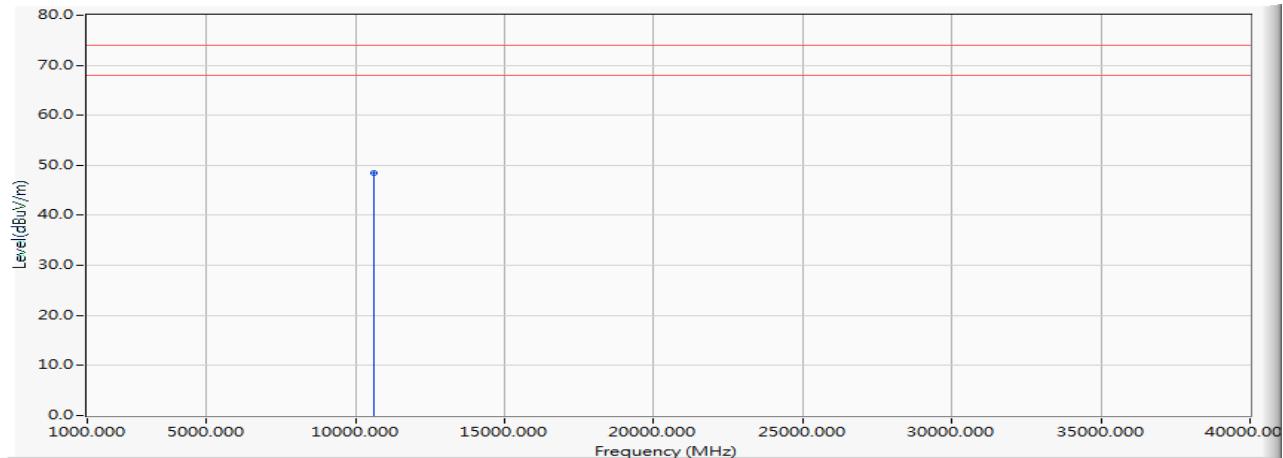
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10520.000	-11.289	58.630	47.341	-26.659	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 6:802.11n20_Band 2a+LTE FDD Band 2_20M 1880MHz+NFC (5300MHz)

Horizontal



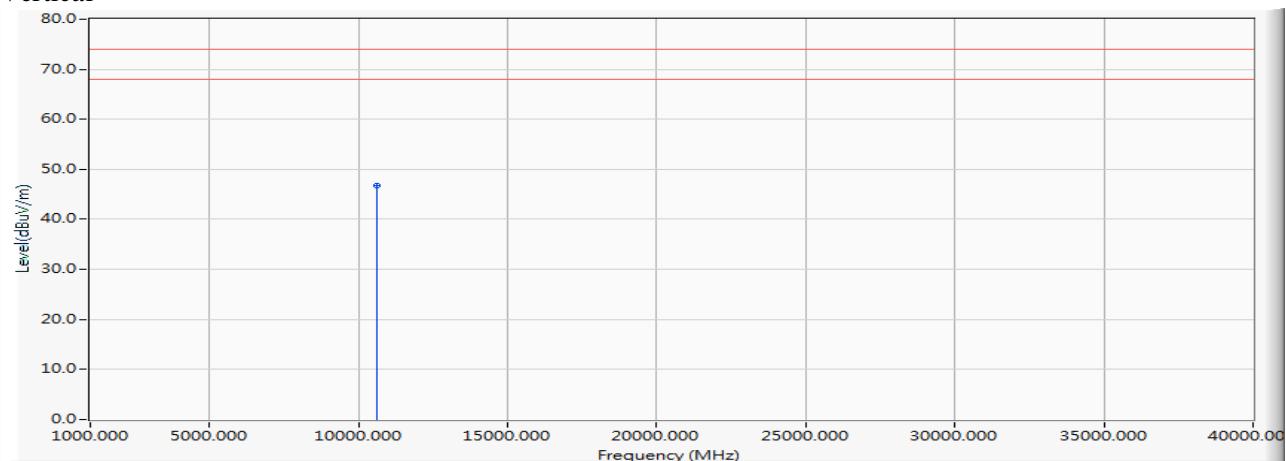
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10600.000	-11.904	60.330	48.426	-25.574	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 6:802.11n20_Band 2a+LTE FDD Band 2_20M 1880MHz+NFC (5300MHz)

Vertical



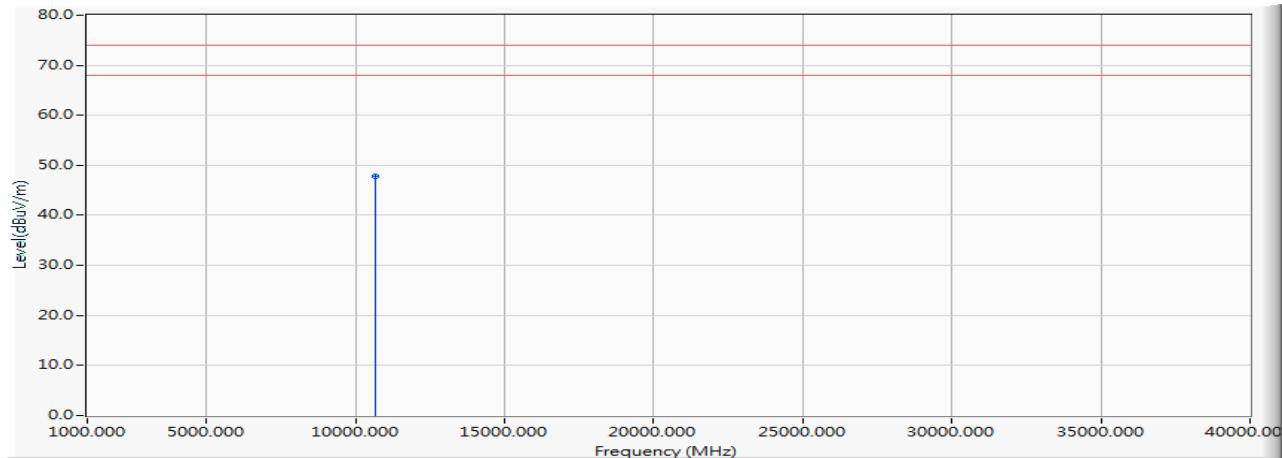
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10600.000	-11.904	58.660	46.756	-27.244	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 6:802.11n20_Band 2a+LTE FDD Band 2_20M 1880MHz+NFC (5320MHz)

Horizontal



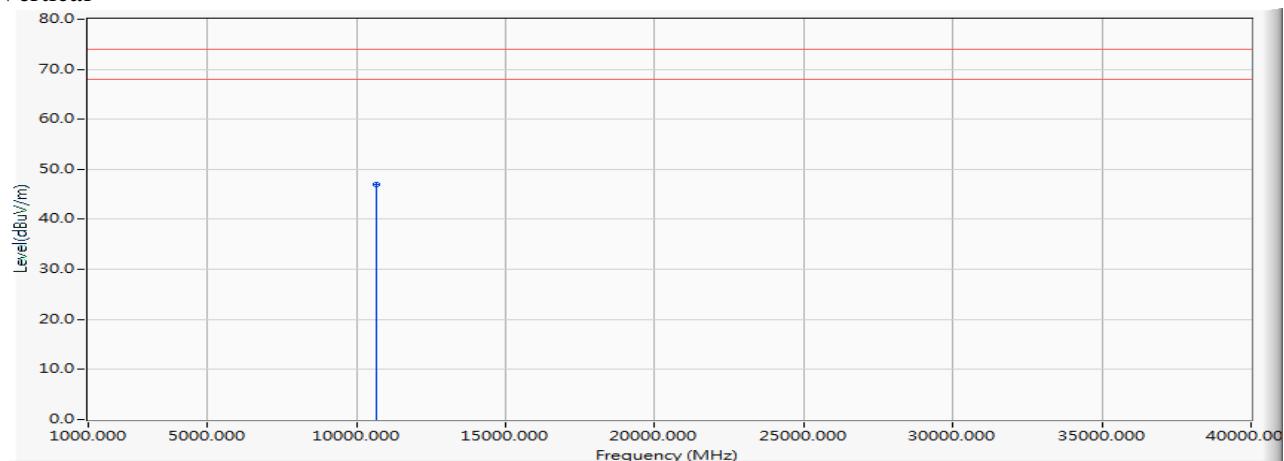
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10640.000	-12.246	60.020	47.774	-26.226	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 6:802.11n20_Band 2a+LTE FDD Band 2_20M 1880MHz+NFC (5320MHz)

Vertical



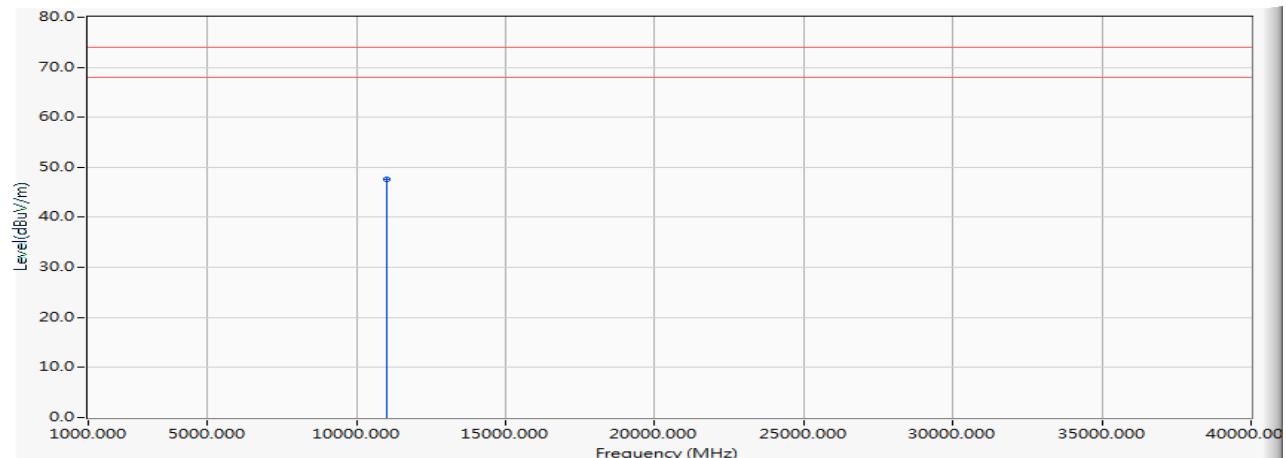
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10640.000	-12.246	59.110	46.864	-27.136	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 10:802.11n20_Band 2c+LTE FDD Band 13_10M 782.5MHz+NFC
 (5500MHz)

Horizontal



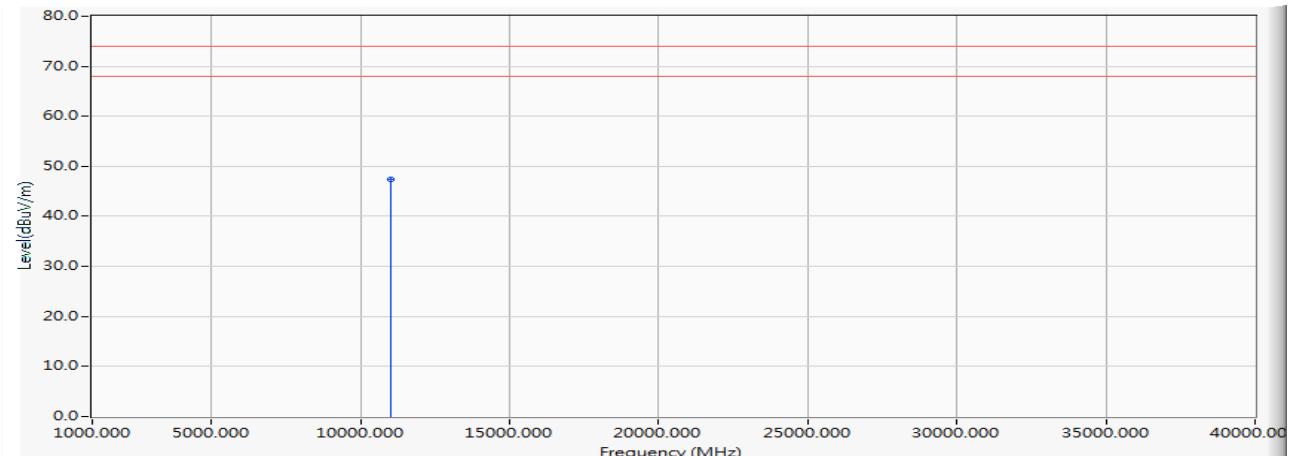
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11000.000	-10.606	58.260	47.654	-26.346	74.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 10:802.11n20_Band 2c+LTE FDD Band 13_10M 782.5MHz+NFC
 (5500MHz)

Vertical



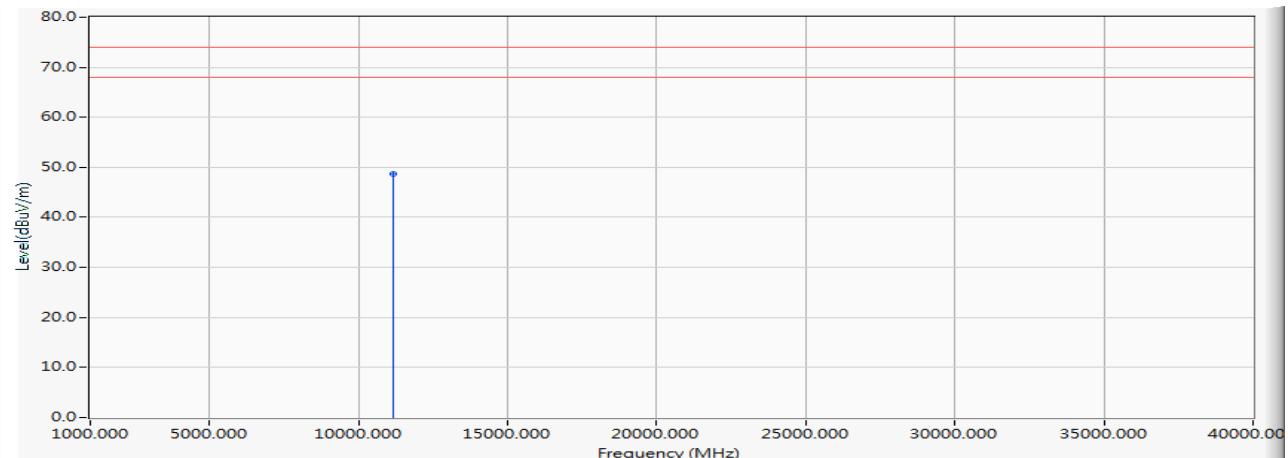
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11000.000	-10.606	58.080	47.474	-26.526	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 10:802.11n20_Band 2c+LTE FDD Band 13_10M 782.5MHz+NFC
 (5580MHz)

Horizontal



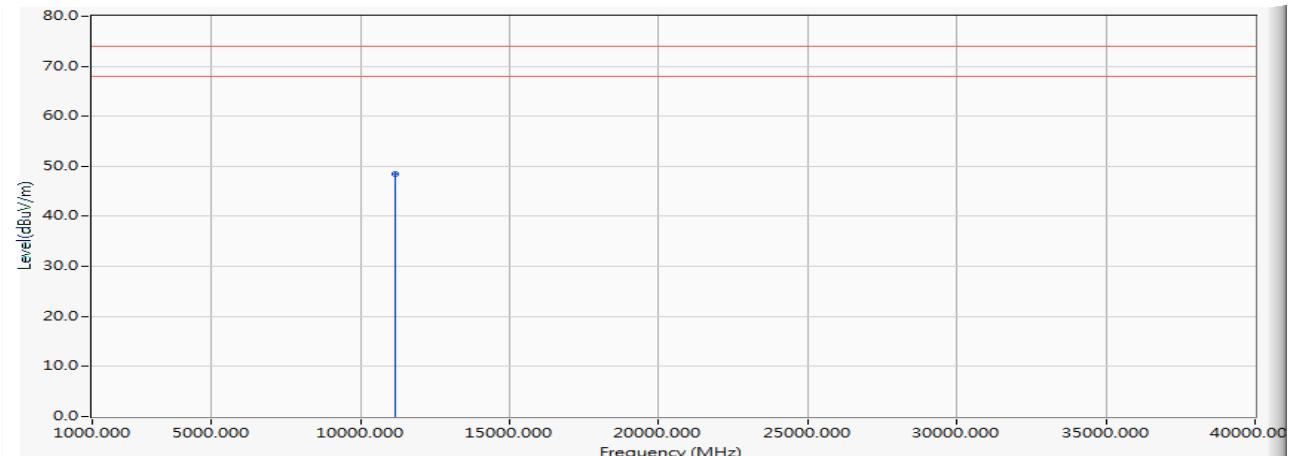
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11160.000	-9.600	58.230	48.630	-25.370	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 10:802.11n20_Band 2c+LTE FDD Band 13_10M 782.5MHz+NFC
 (5580MHz)

Vertical



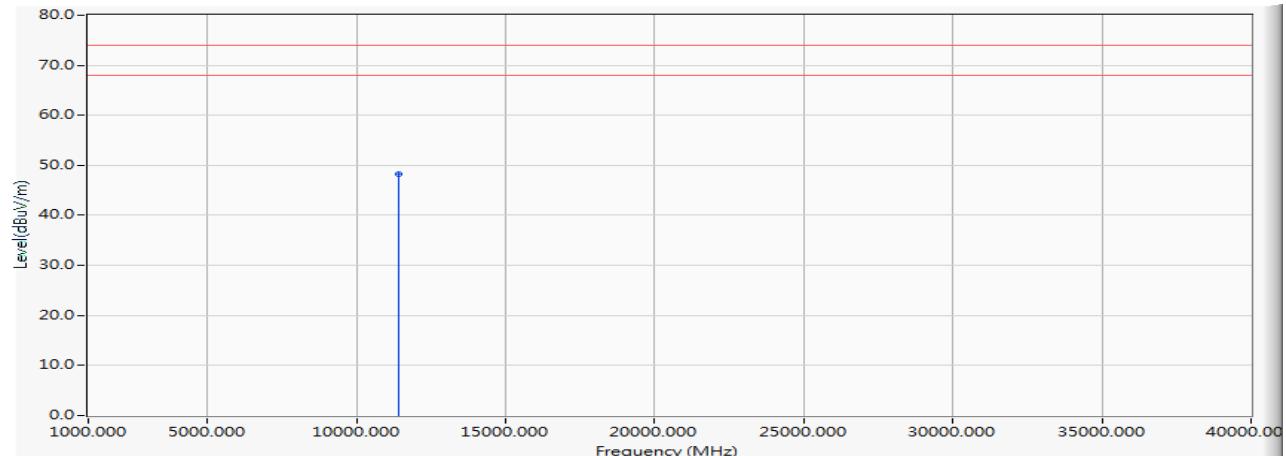
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11160.000	-9.600	57.970	48.370	-25.630	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 10:802.11n20_Band 2c+LTE FDD Band 13_10M 782.5MHz+NFC
 (5700MHz)

Horizontal



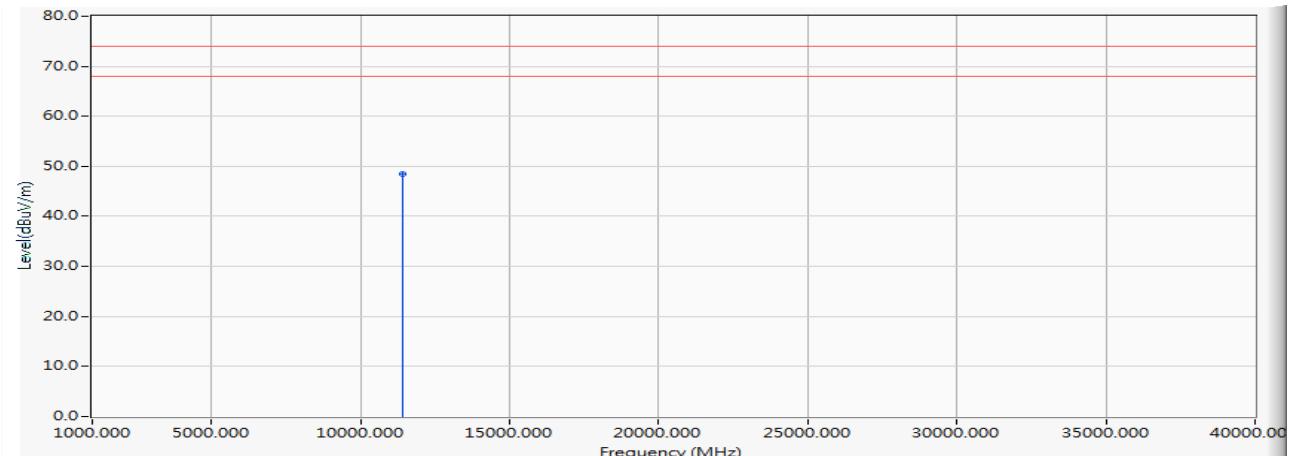
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11400.000	-9.769	57.980	48.211	-25.789	74.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 10:802.11n20_Band 2c+LTE FDD Band 13_10M 782.5MHz+NFC
 (5700MHz)

Vertical



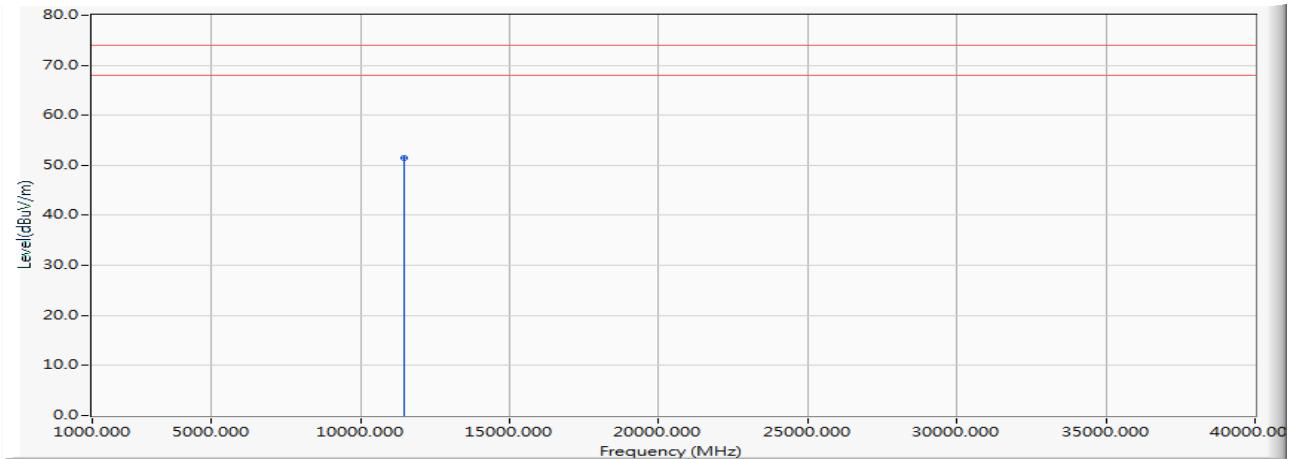
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11400.000	-9.769	58.260	48.491	-25.509	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 10:802.11n20_Band 2c+LTE FDD Band 13_10M
 782.5MHz+NFC(5720MHz)

Horizontal



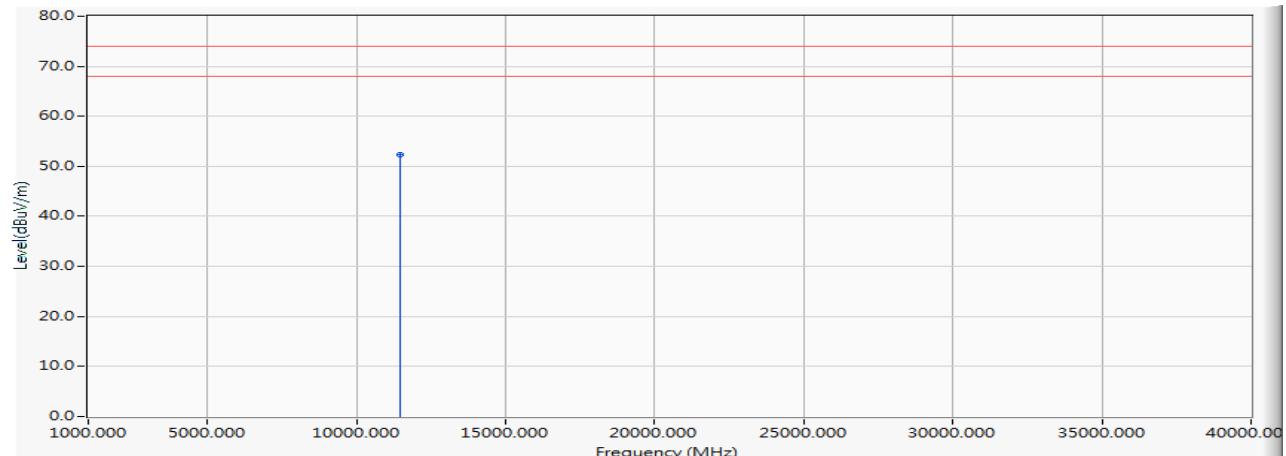
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11440.000	-10.042	61.470	51.428	-22.572	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 10:802.11n20_Band 2c+LTE FDD Band 13_10M
 782.5MHz+NFC(5720MHz)

Vertical



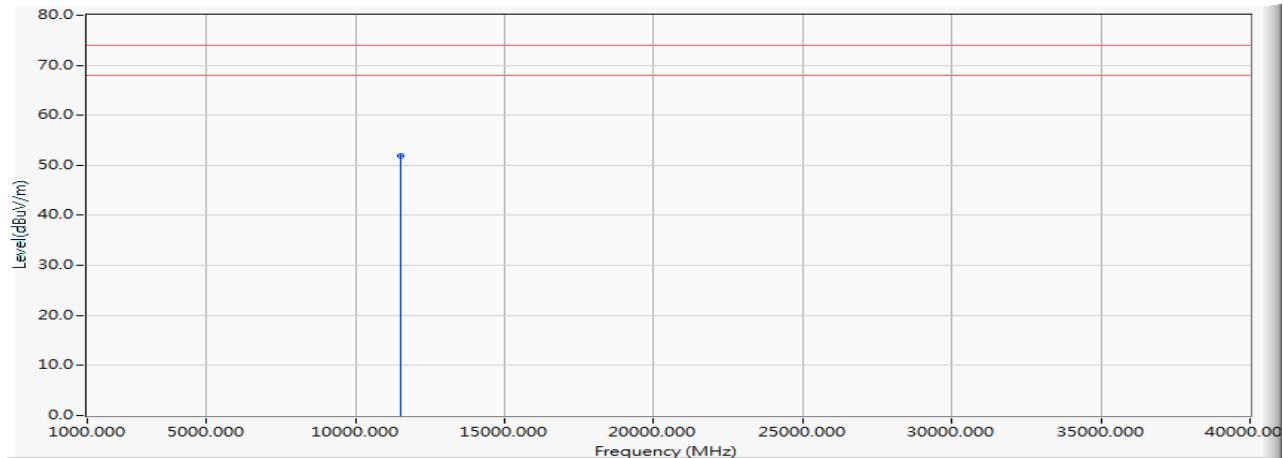
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	11440.000	-10.042	62.410	52.368	-21.632	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 14:802.11n20_Band 3+GSM850_836.4MHz+NFC (5745MHz)

Horizontal



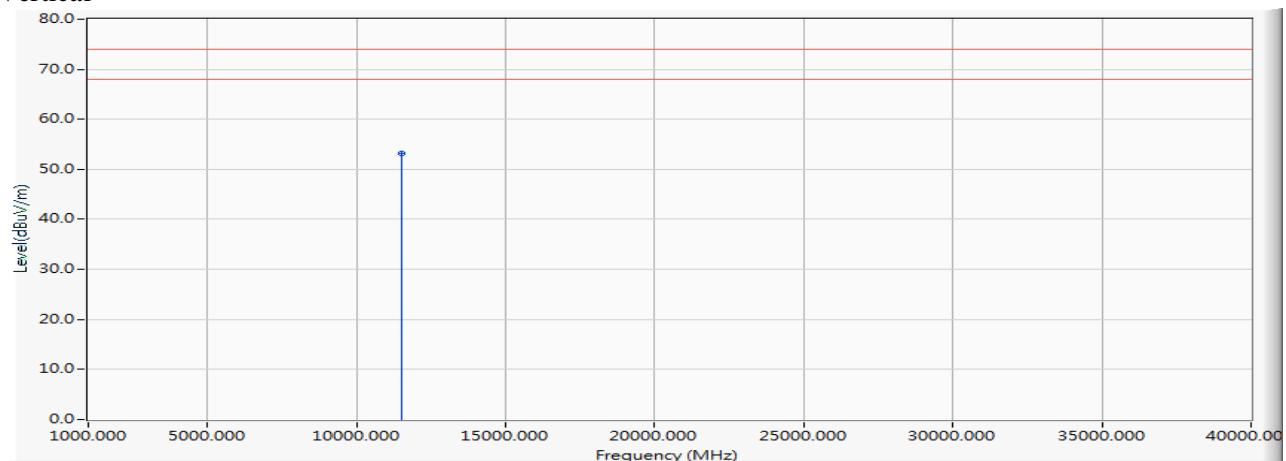
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.000	-10.385	62.390	52.005	-21.995	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 14:802.11n20_Band 3+GSM850_836.4MHz+NFC (5745MHz)

Vertical



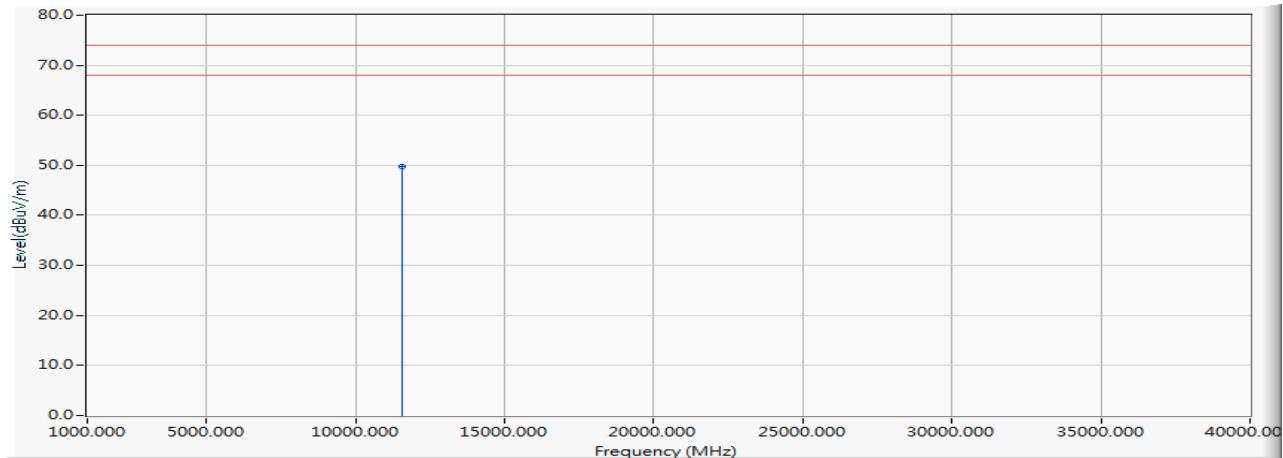
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11490.000	-10.385	63.470	53.085	-20.915	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 14:802.11n20_Band 3+GSM850_836.4MHz+NFC (5785MHz)

Horizontal



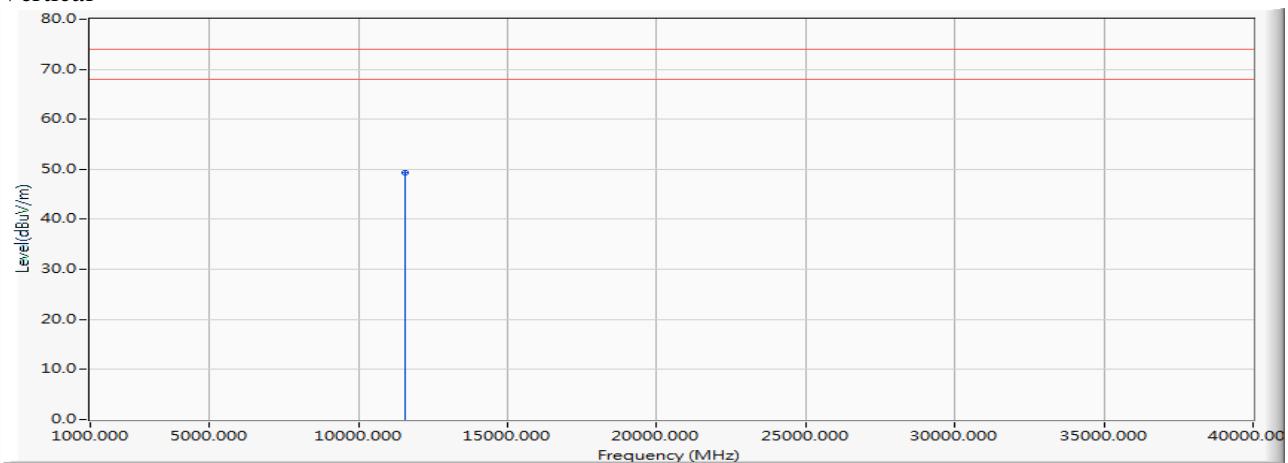
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.000	46.094	59.880	49.780	-24.220	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 14:802.11n20_Band 3+GSM850_836.4MHz+NFC (5785MHz)

Vertical



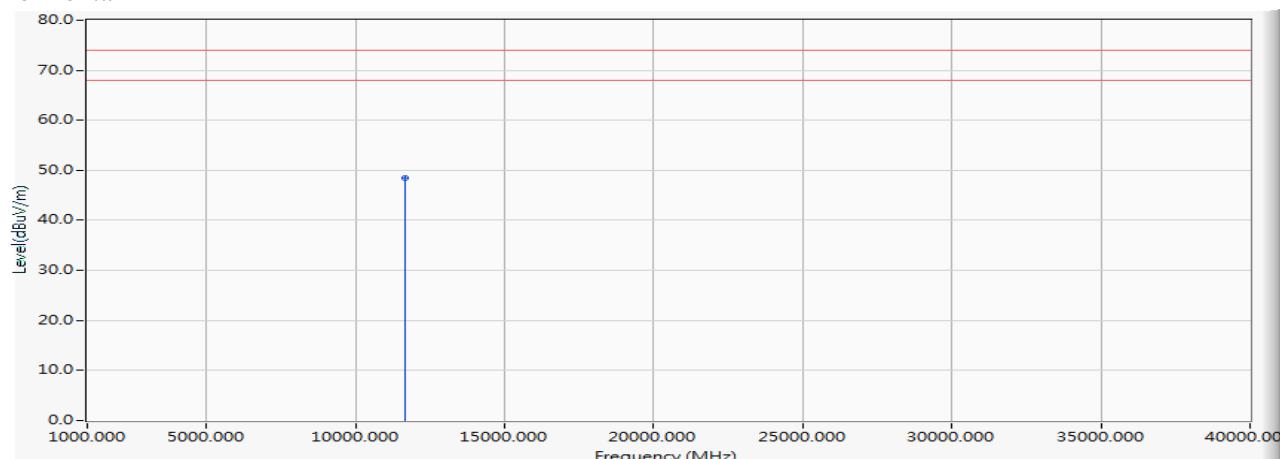
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11570.000	-10.101	59.460	49.360	-24.640	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 14:802.11n20_Band 3+GSM850_836.4MHz+NFC (5825MHz)

Horizontal



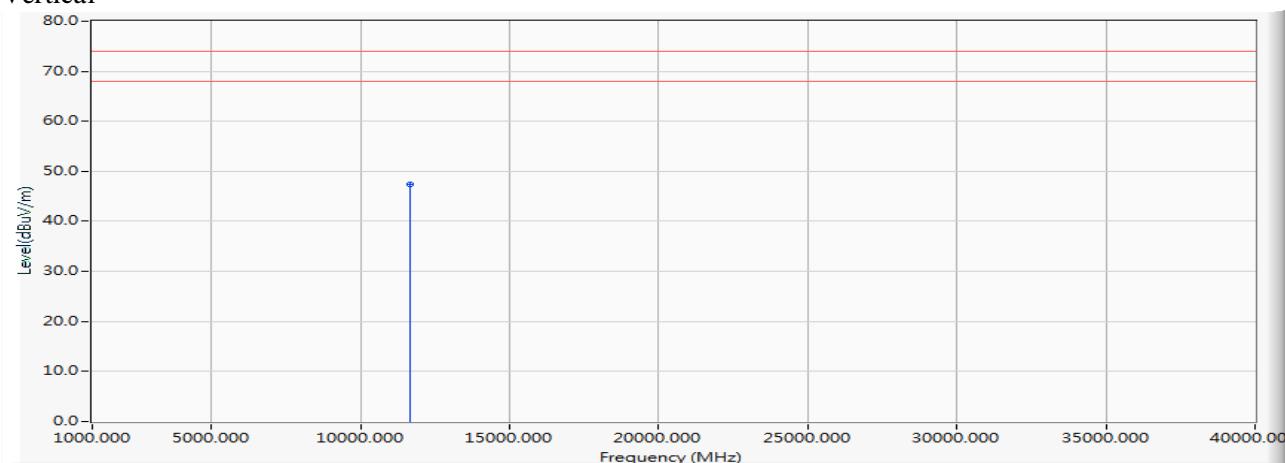
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	-9.992	58.550	48.558	-25.442	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 14:802.11n20_Band 3+GSM850_836.4MHz+NFC (5825MHz)

Vertical



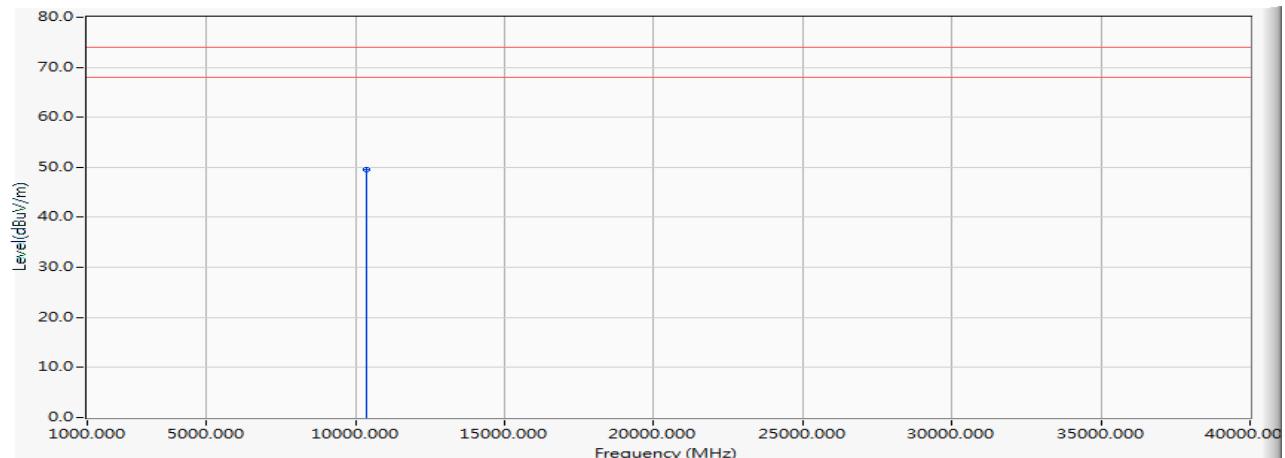
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11650.000	-9.992	57.380	47.388	-26.612	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 3:802.11n40_Band 1+WCDMA BandII_1880MHz+NFC (5190MHz)

Horizontal



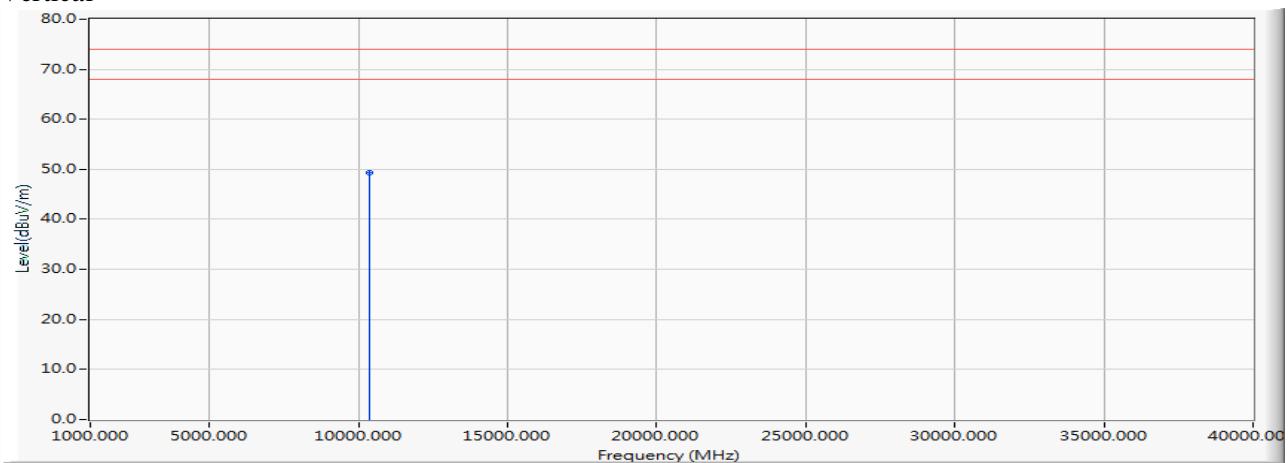
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10380.000	-10.021	59.660	49.639	-24.361	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 3:802.11n40_Band 1+WCDMA BandII_1880MHz+NFC (5190MHz)

Vertical



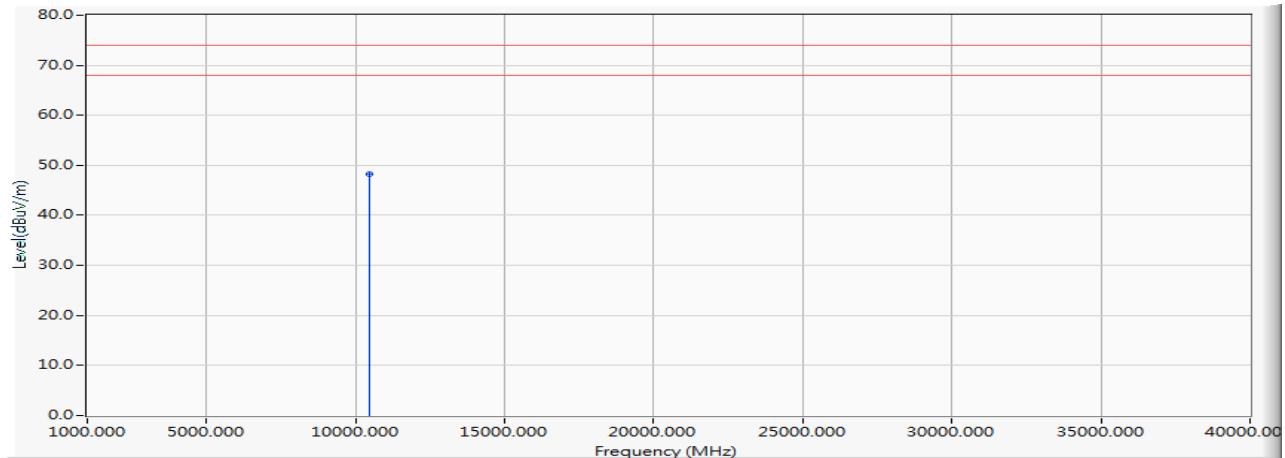
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10380.000	-10.021	59.450	49.429	-24.571	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 3:802.11n40_Band 1+WCDMA BandII_1880MHz+NFC (5230MHz)

Horizontal



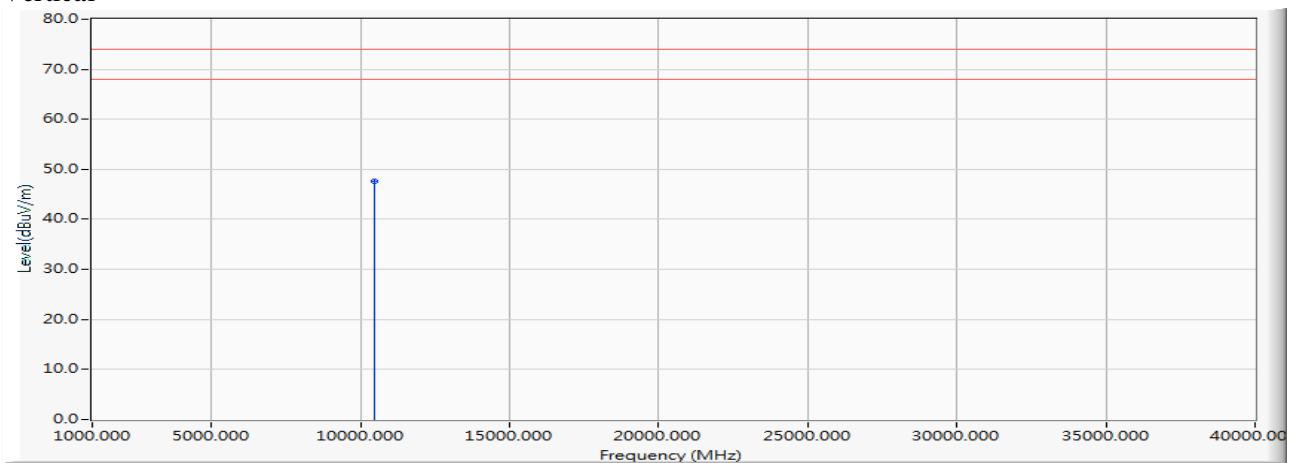
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10460.000	45.798	59.070	48.332	-25.668	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 3:802.11n40_Band 1+WCDMA BandII_1880MHz+NFC (5230MHz)

Vertical



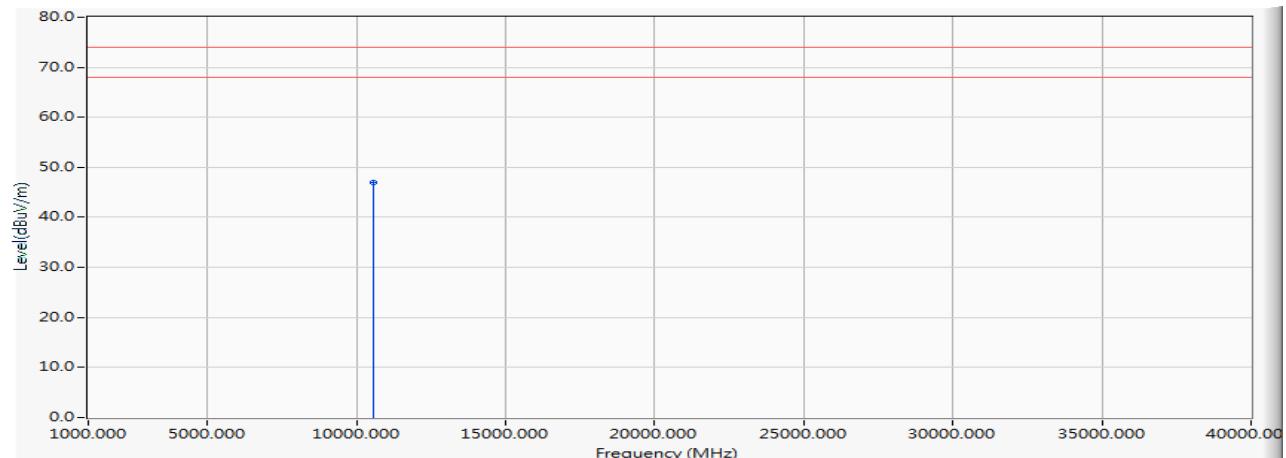
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10460.000	-10.738	58.380	47.642	-26.358	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 7:802.11n40_Band 2a+LTE FDD Band 4_20M 1732.5MHz+NFC
 (5270MHz)

Horizontal



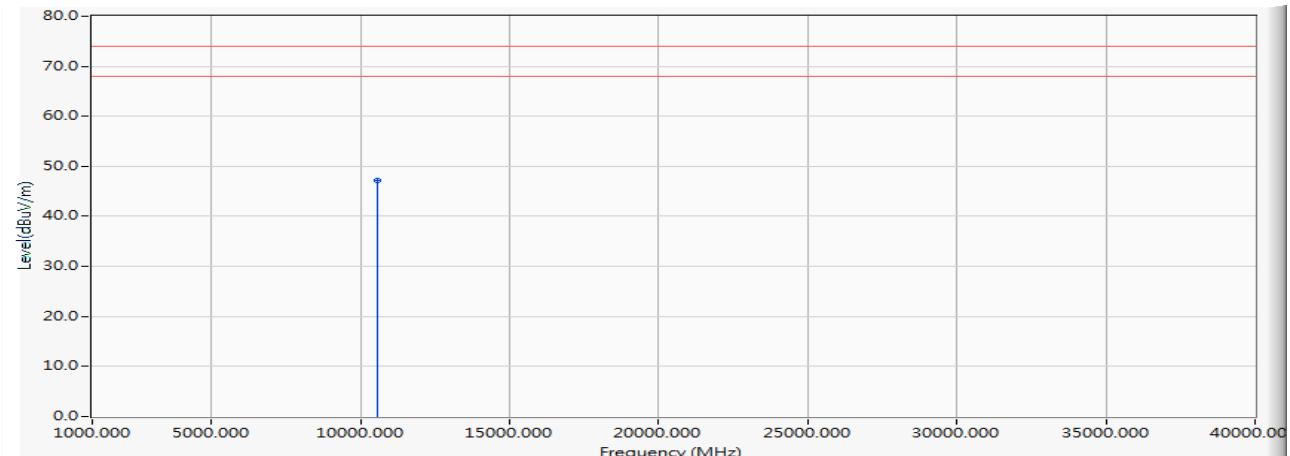
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10540.000	-11.442	58.390	46.948	-27.052	74.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 7:802.11n40_Band 2a+LTE FDD Band 4_20M 1732.5MHz+NFC
 (5270MHz)

Vertical



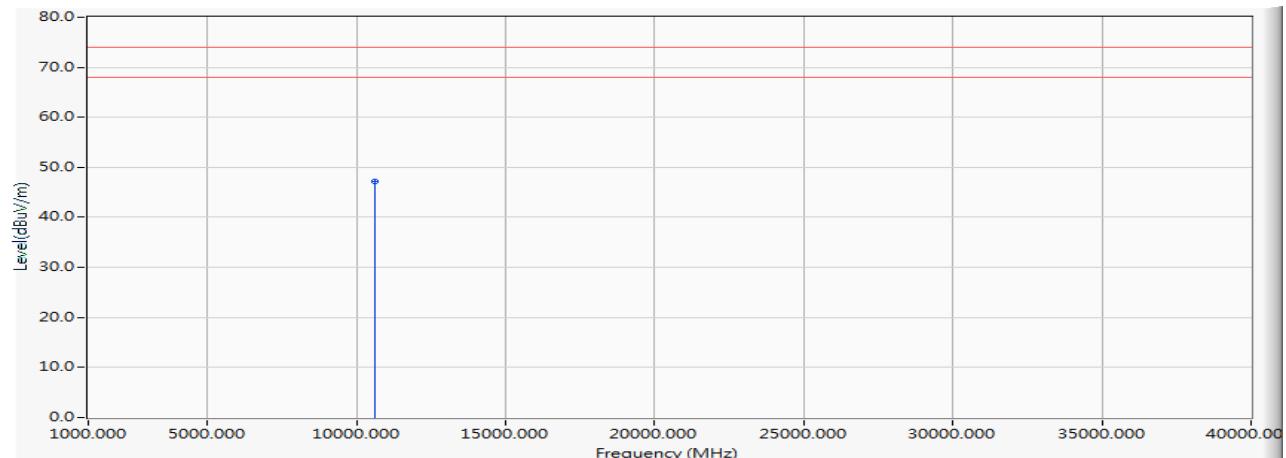
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	10540.000	-11.442	58.670	47.228	-26.772	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 7:802.11n40_Band 2a+LTE FDD Band 4_20M 1732.5MHz+NFC
 (5310MHz)

Horizontal



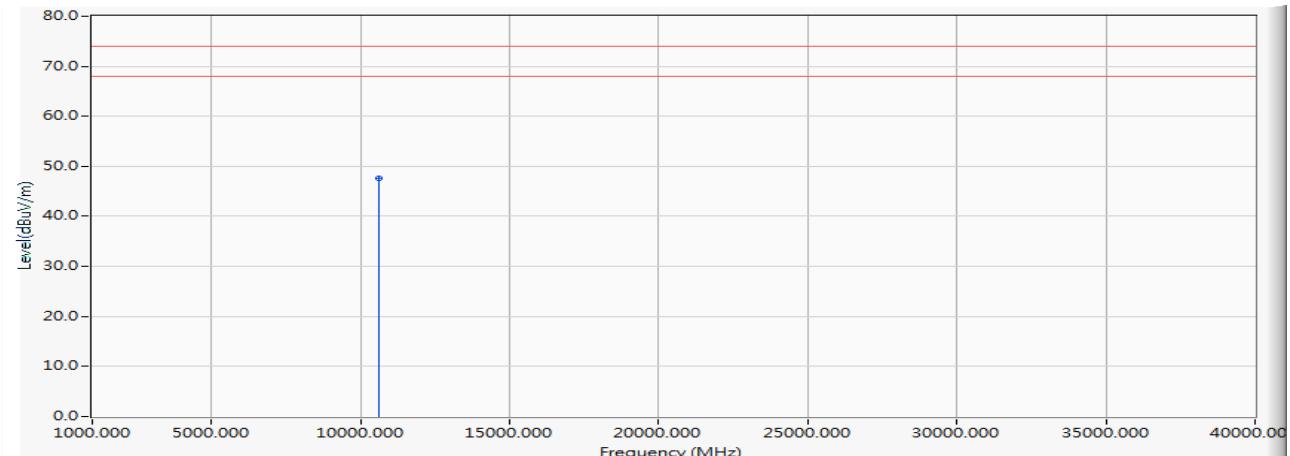
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10620.000	-12.073	59.290	47.217	-26.783	74.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 7:802.11n40_Band 2a+LTE FDD Band 4_20M 1732.5MHz+NFC
 (5310MHz)

Vertical



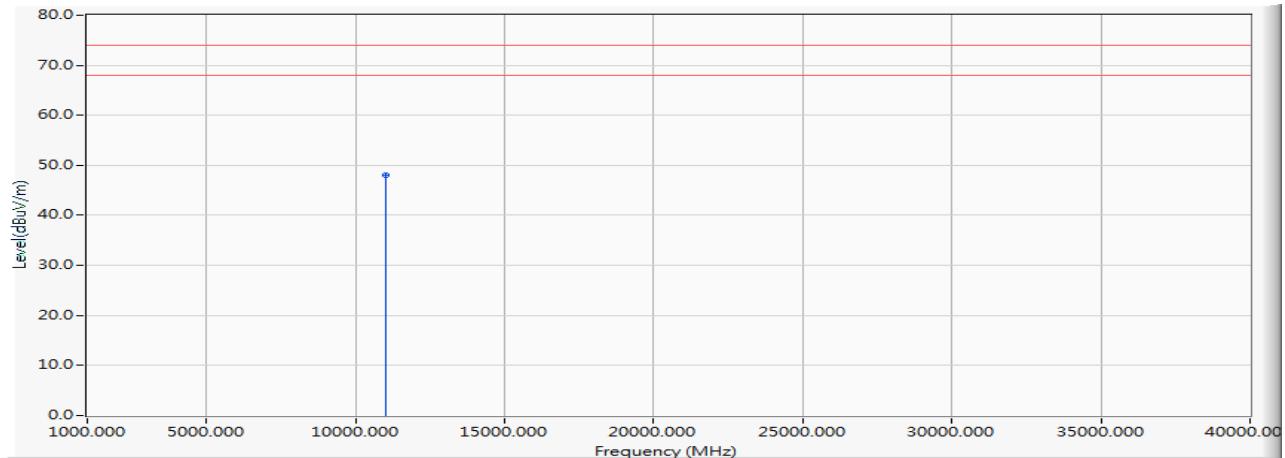
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	*	10620.000	-12.073	59.590	47.517	-26.483	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 11:802.11n40_Band 2c+LTE FDD Band 17_10M 710MHz+NFC (5510MHz)

Horizontal



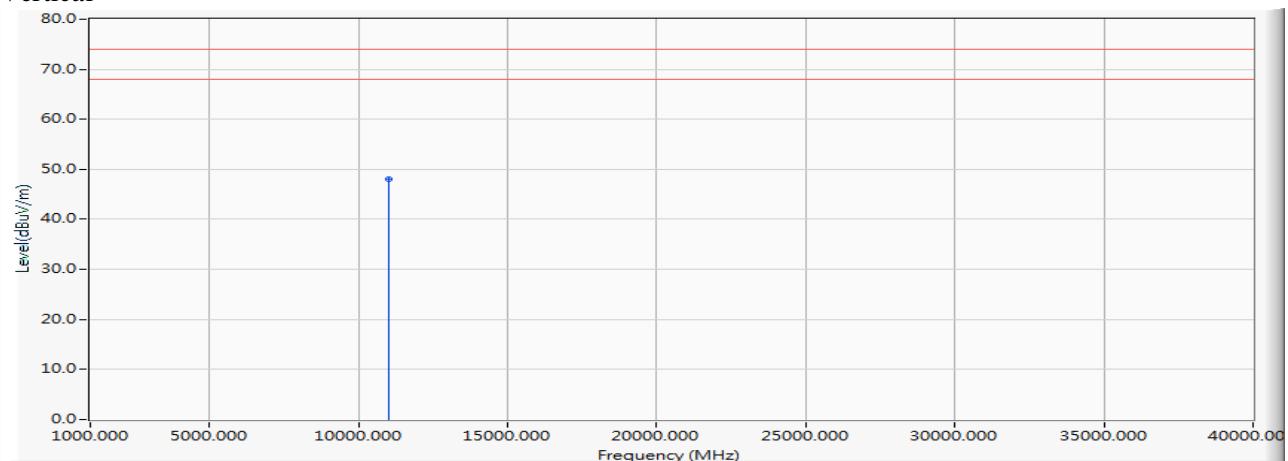
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11020.000	-10.478	58.590	48.111	-25.889	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 11:802.11n40_Band 2c+LTE FDD Band 17_10M 710MHz+NFC (5510MHz)

Vertical



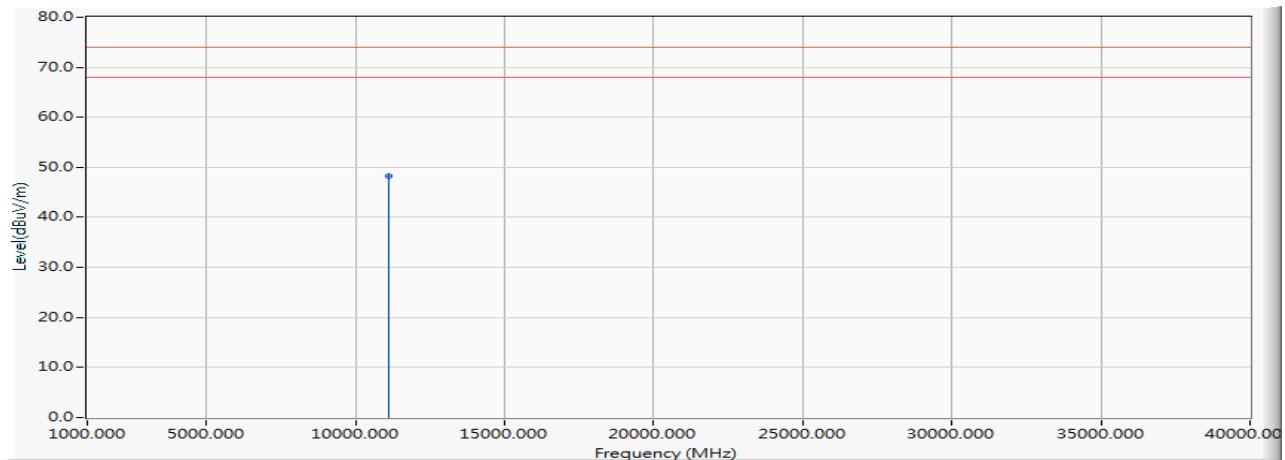
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11020.000	-10.478	58.570	48.091	-25.909	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 11:802.11n40_Band 2c+LTE FDD Band 17_10M 710MHz+NFC (5550MHz)

Horizontal



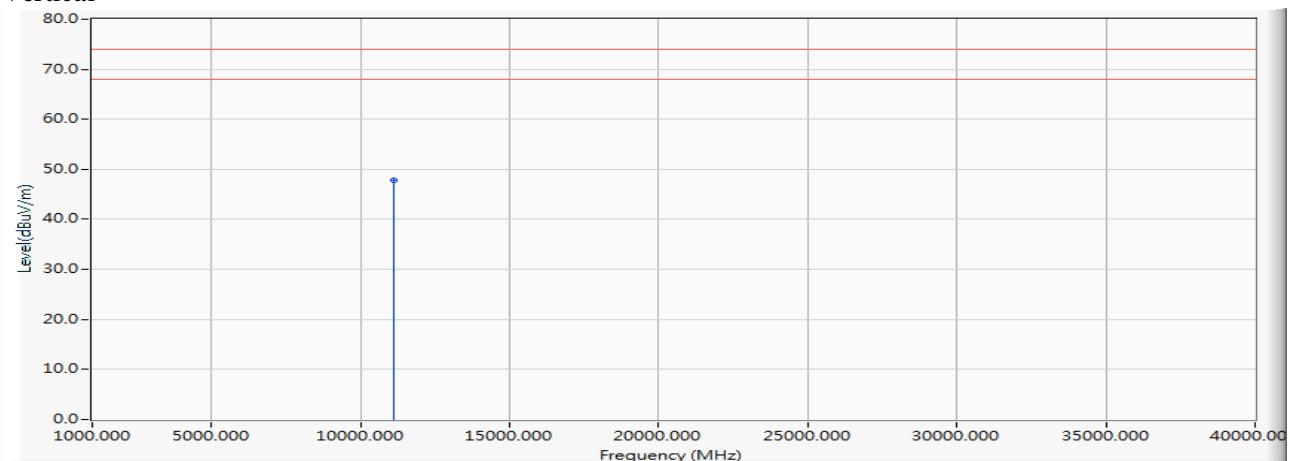
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11100.000	46.364	58.290	48.275	-25.725	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 11:802.11n40_Band 2c+LTE FDD Band 17_10M 710MHz+NFC (5550MHz)

Vertical



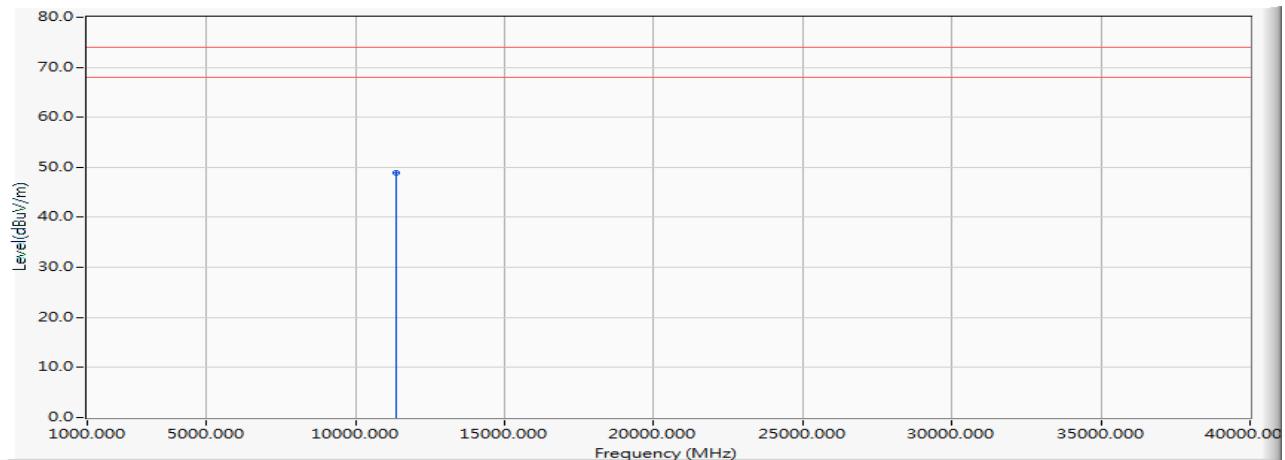
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11100.000	-10.015	57.920	47.905	-26.095	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 11:802.11n40_Band 2c+LTE FDD Band 17_10M 710MHz+NFC (5670MHz)

Horizontal



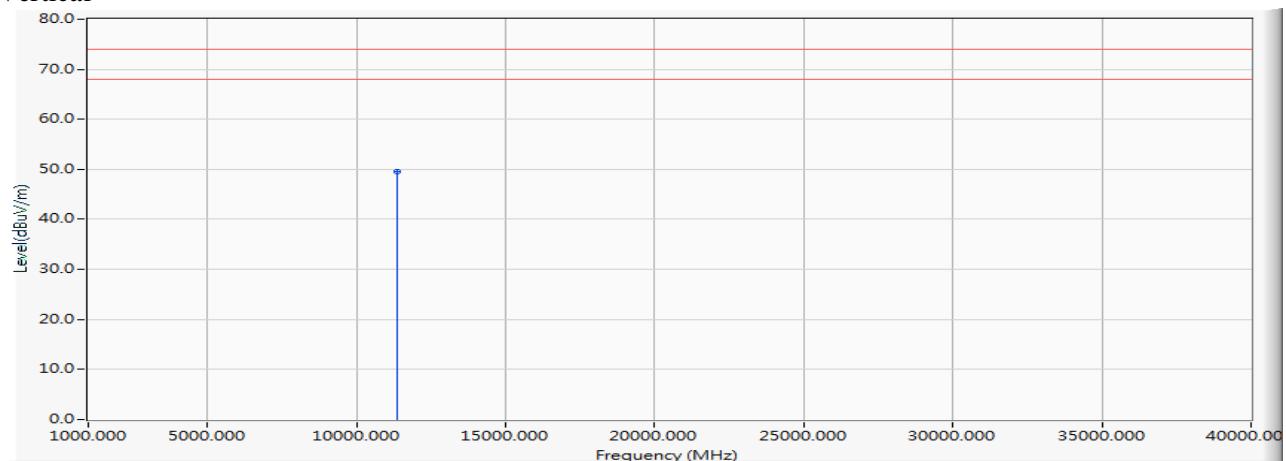
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11340.000	-9.471	58.470	48.999	-25.001	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 11:802.11n40_Band 2c+LTE FDD Band 17_10M 710MHz+NFC (5670MHz)

Vertical



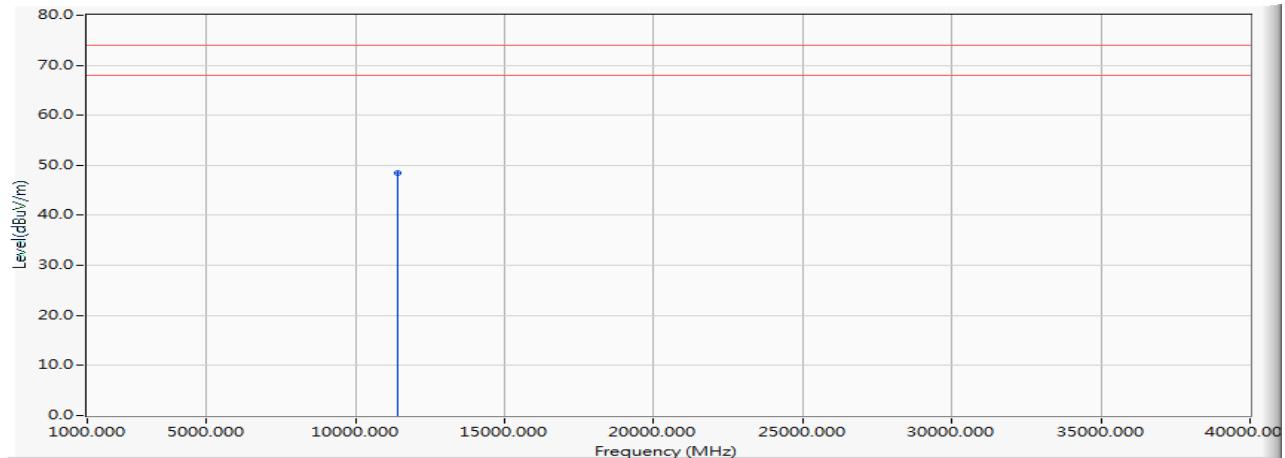
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11340.000	-9.471	59.030	49.559	-24.441	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 11:802.11n40_Band 2c+LTE FDD Band 17_10M 710MHz+NFC(5710MHz)

Horizontal



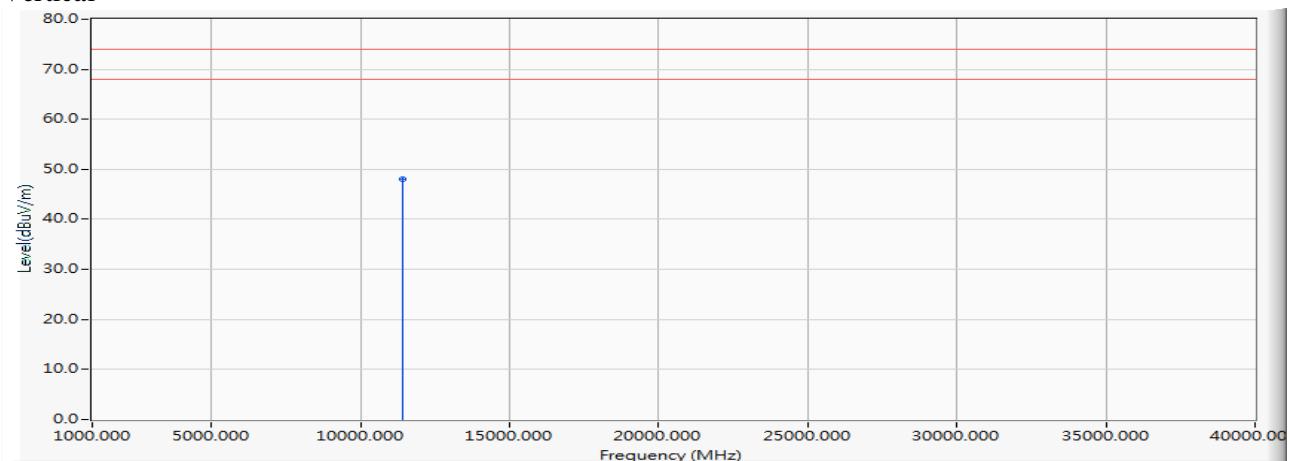
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11420.000	-9.902	58.350	48.448	-25.552	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 11:802.11n40_Band 2c+LTE FDD Band 17_10M 710MHz+NFC(5710MHz)

Vertical



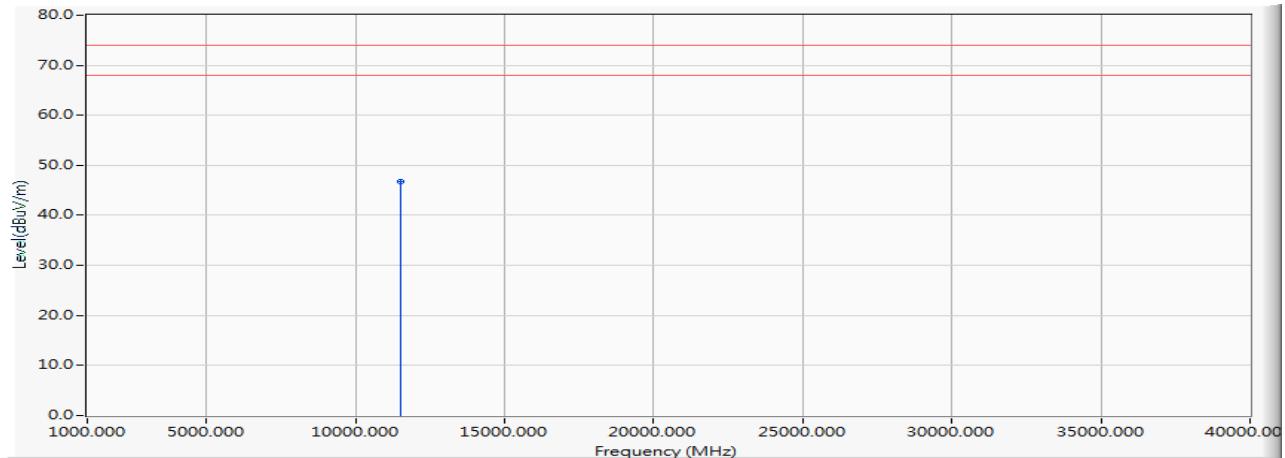
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11420.000	-9.902	57.880	47.978	-26.022	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 15:802.11n40_Band 3+GSM1900_1880MHz+NFC (5755MHz)

Horizontal



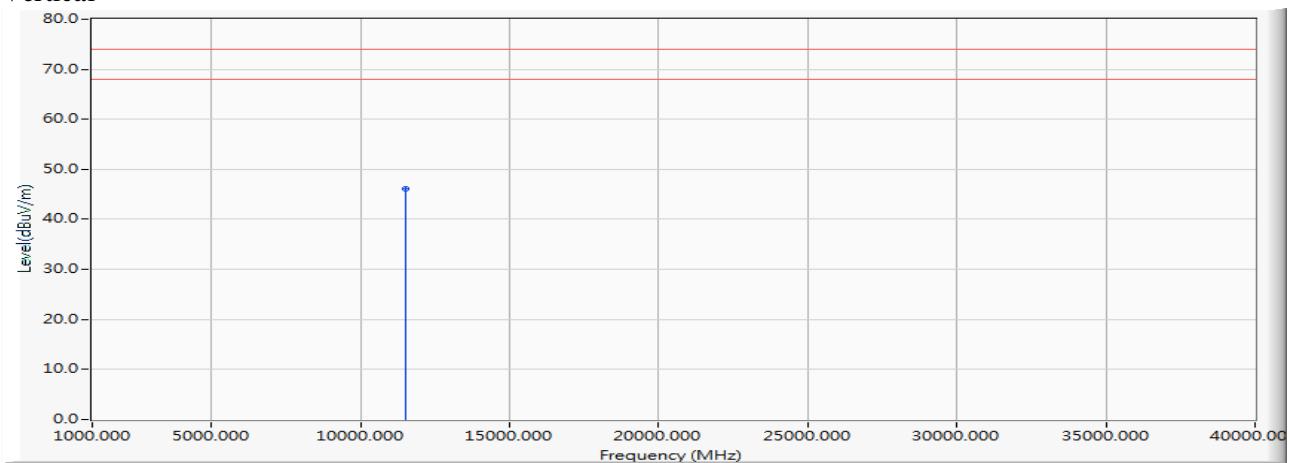
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11510.000	-10.408	57.170	46.762	-27.238	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 15:802.11n40_Band 3+GSM1900_1880MHz+NFC (5755MHz)

Vertical



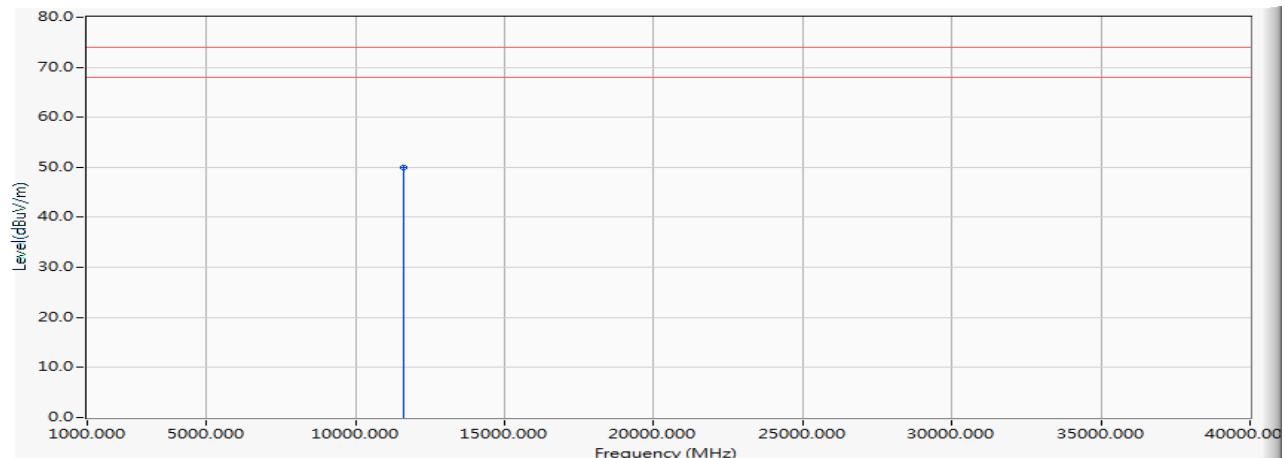
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11510.000	-10.408	56.530	46.122	-27.878	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 15:802.11n40_Band 3+GSM1900_1880MHz+NFC (5795MHz)

Horizontal



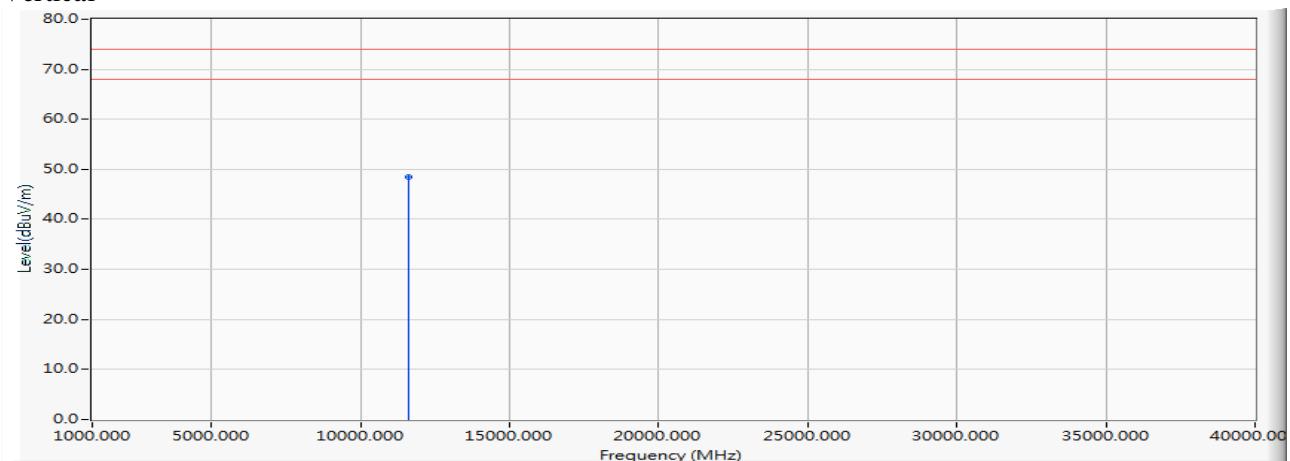
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11590.000	-10.000	60.080	50.080	-23.920	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 15:802.11n40_Band 3+GSM1900_1880MHz+NFC (5795MHz)

Vertical



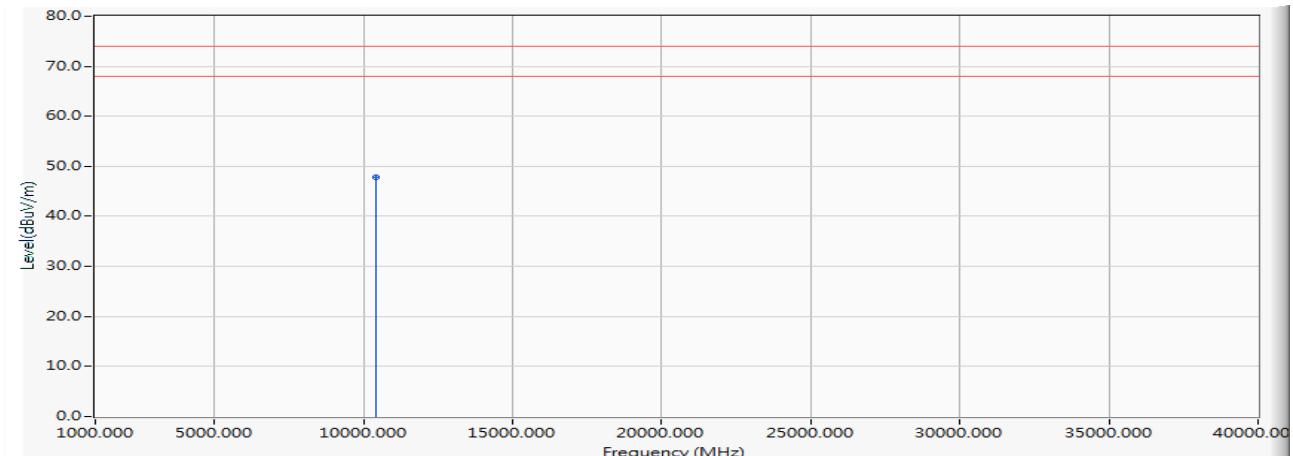
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11590.000	-10.000	58.390	48.390	-25.610	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 4:802.11ac-80_Band 1+WCDMA BandIV_1732.6MHz+NFC(5210MHz)

Horizontal



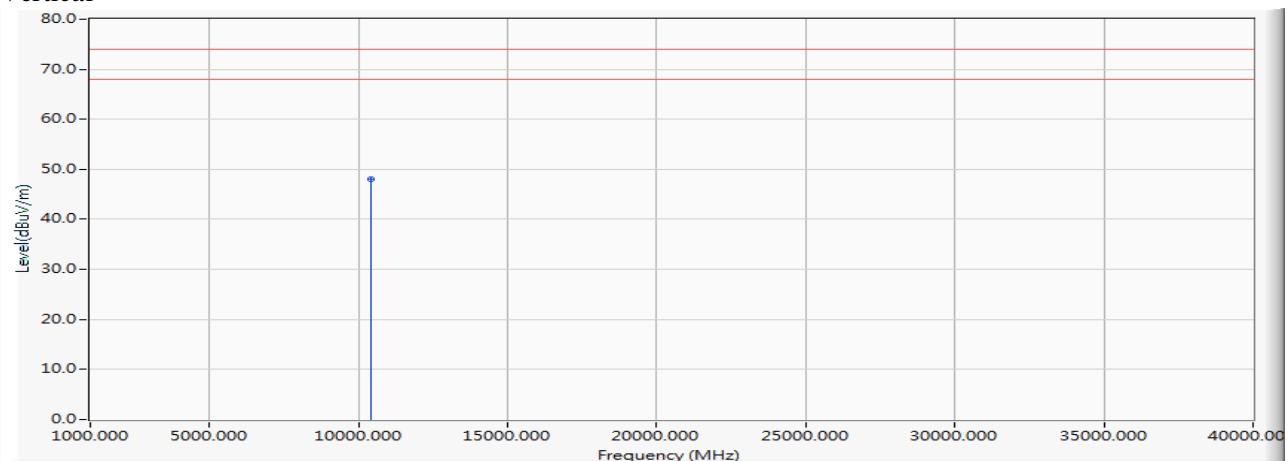
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10420.000	-10.342	58.260	47.918	-26.082	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 4:802.11ac-80_Band 1+WCDMA BandIV_1732.6MHz+NFC(5210MHz)

Vertical



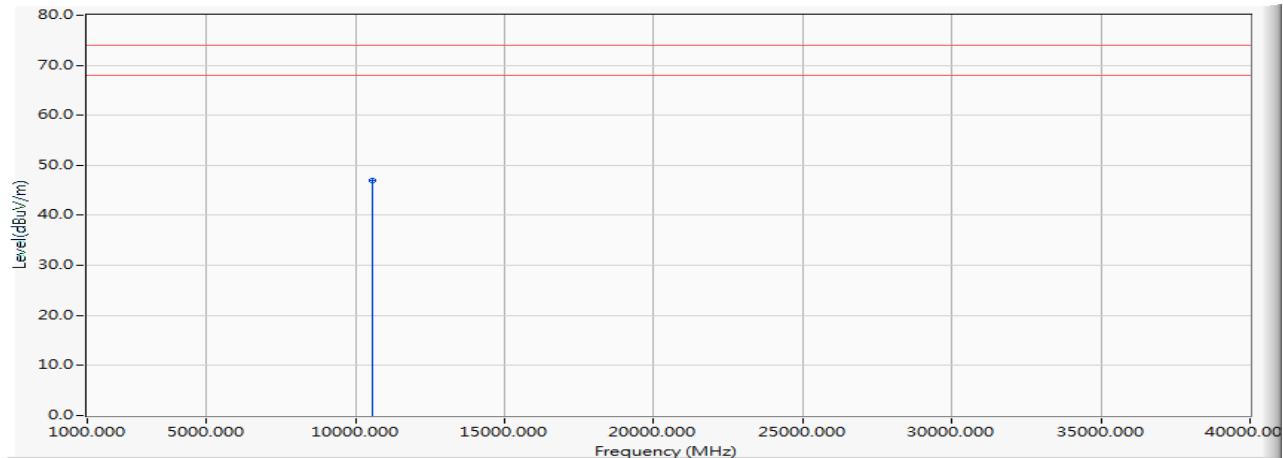
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10420.000	-10.342	58.330	47.988	-26.012	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 8:802.11ac80_Band 2a+LTE FDD Band 5_10M 836.5MHz+NFC(5290MHz)

Horizontal



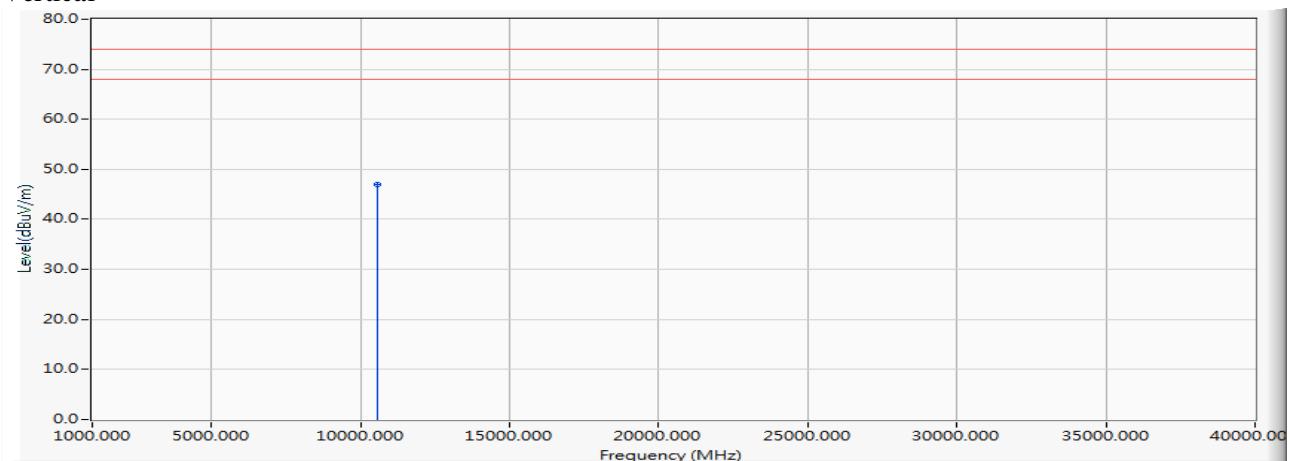
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10580.000	-11.747	58.670	46.922	-27.078	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 8:802.11ac80_Band 2a+LTE FDD Band 5_10M 836.5MHz+NFC(5290MHz)

Vertical



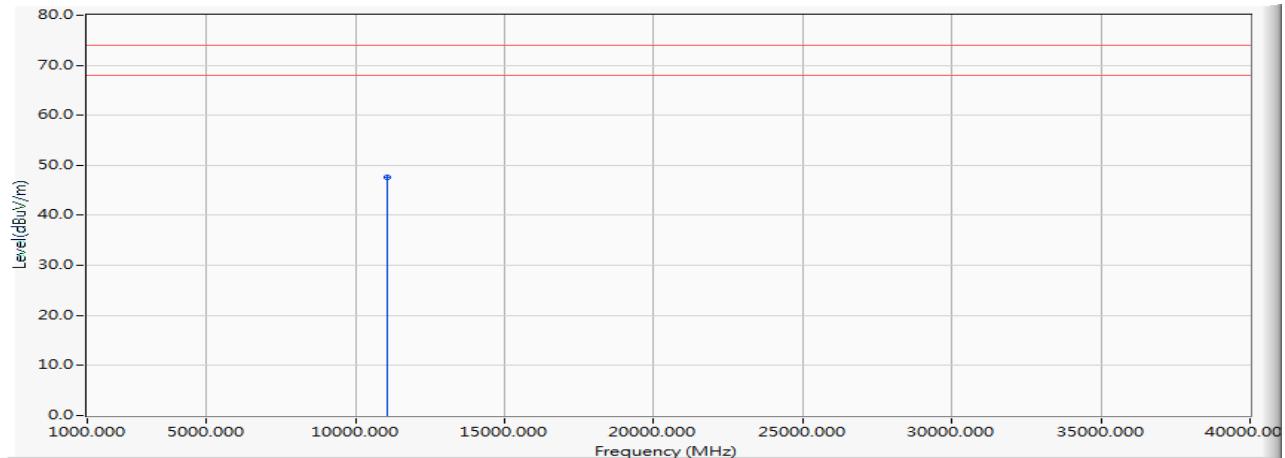
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	10580.000	-11.747	58.720	46.972	-27.028	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 12:802.11ac80_Band 2c+LTE FDD Band 25_20M 1882.5MHz+NFC(5530MHz)

Horizontal



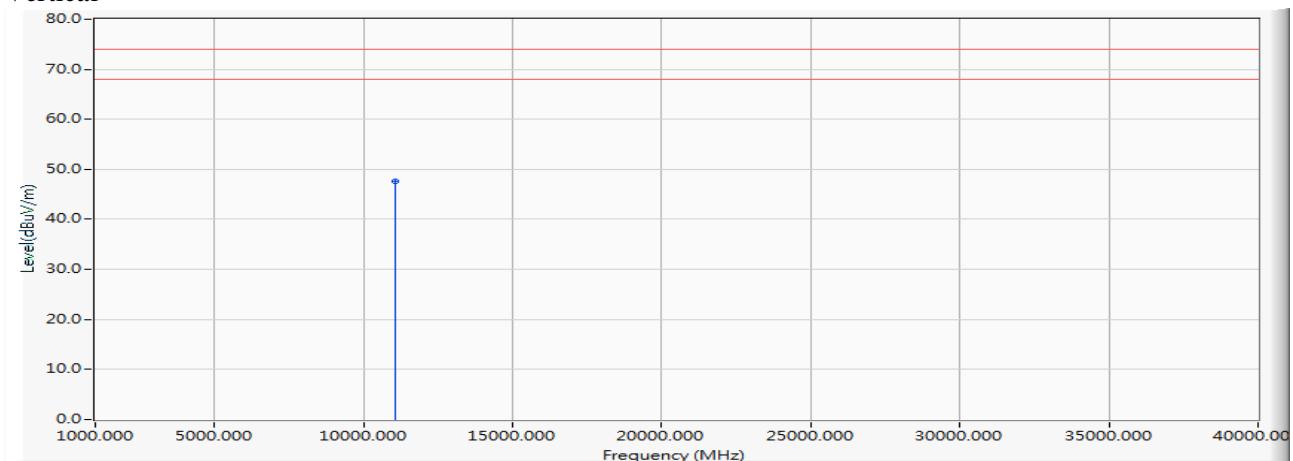
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11060.000	-10.248	57.790	47.542	-26.458	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 12:802.11ac80_Band 2c+LTE FDD Band 25_20M 1882.5MHz+NFC(5530MHz)

Vertical



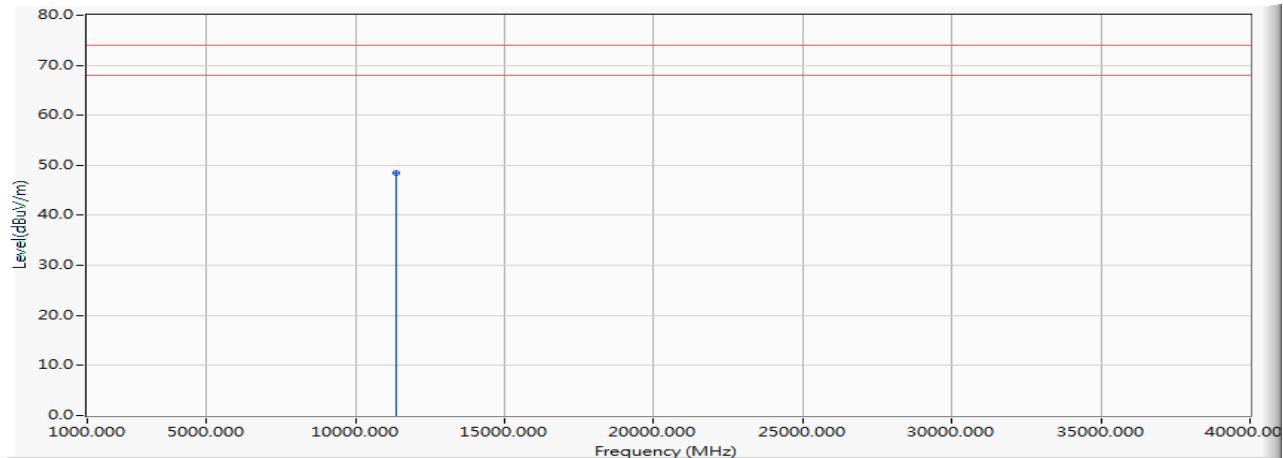
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11060.000	-10.248	57.960	47.712	-26.288	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 12:802.11ac80_Band 2c+LTE FDD Band 25_20M 1882.5MHz+NFC(5690MHz)

Horizontal



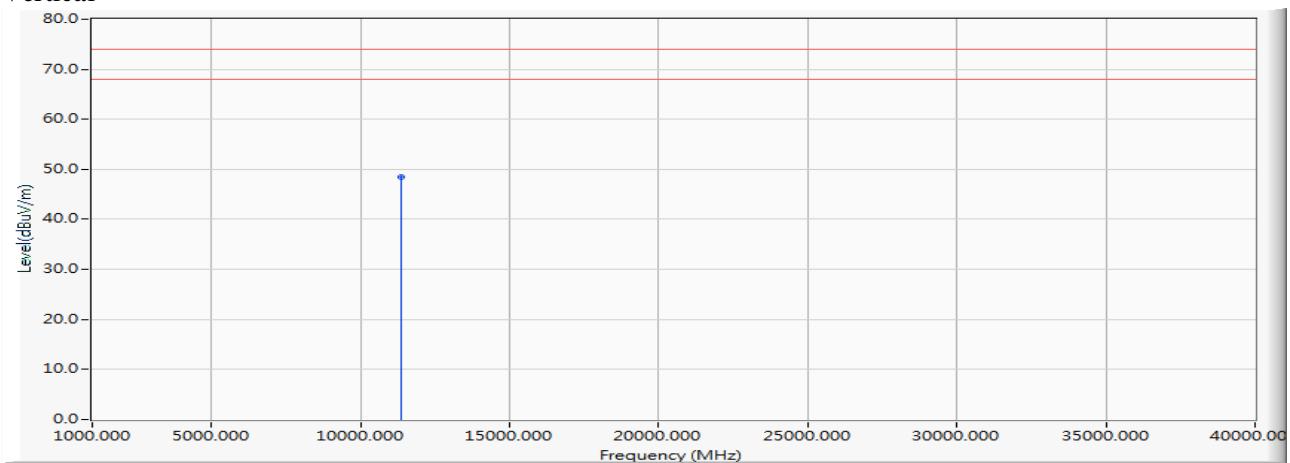
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11380.000	-9.666	58.150	48.484	-25.516	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 12:802.11ac80_Band 2c+LTE FDD Band 25_20M 1882.5MHz+NFC(5690MHz)

Vertical



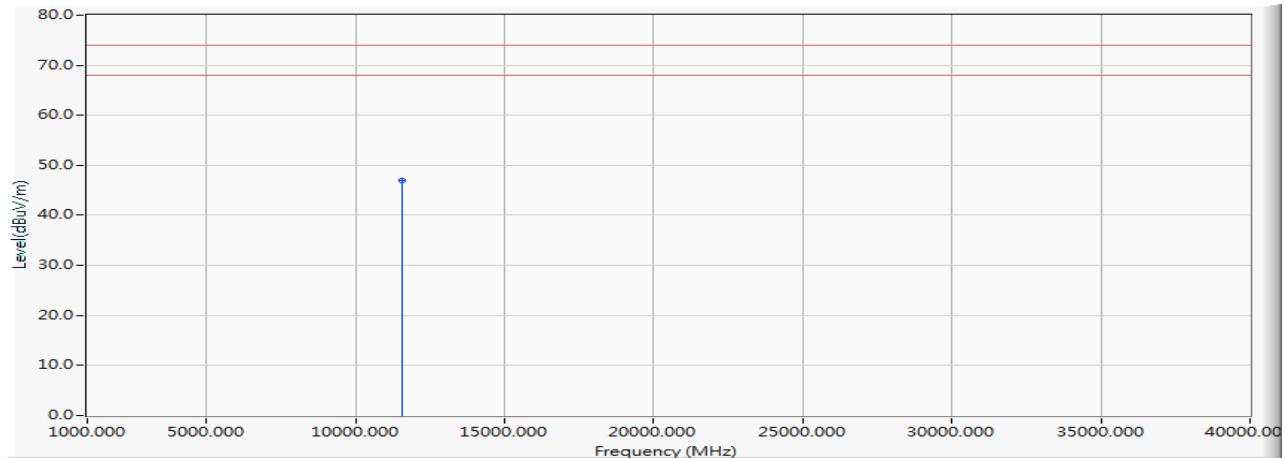
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11380.000	-9.666	58.230	48.564	-25.436	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 16:802.11ac80_Band 3+WCDMA Band II_1880MHz+NFC(5775MHz)

Horizontal



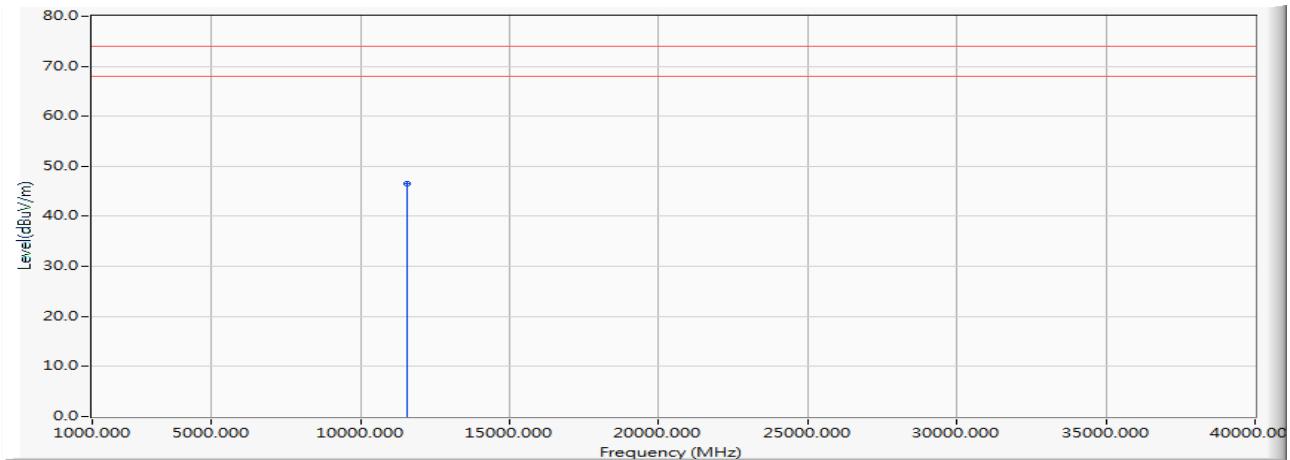
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11550.000	-10.204	57.210	47.007	-26.993	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2019/08/30
 Test Mode : Mode 16:802.11ac80_Band 3+WCDMA Band II_1880MHz+NFC(5775MHz)

Vertical



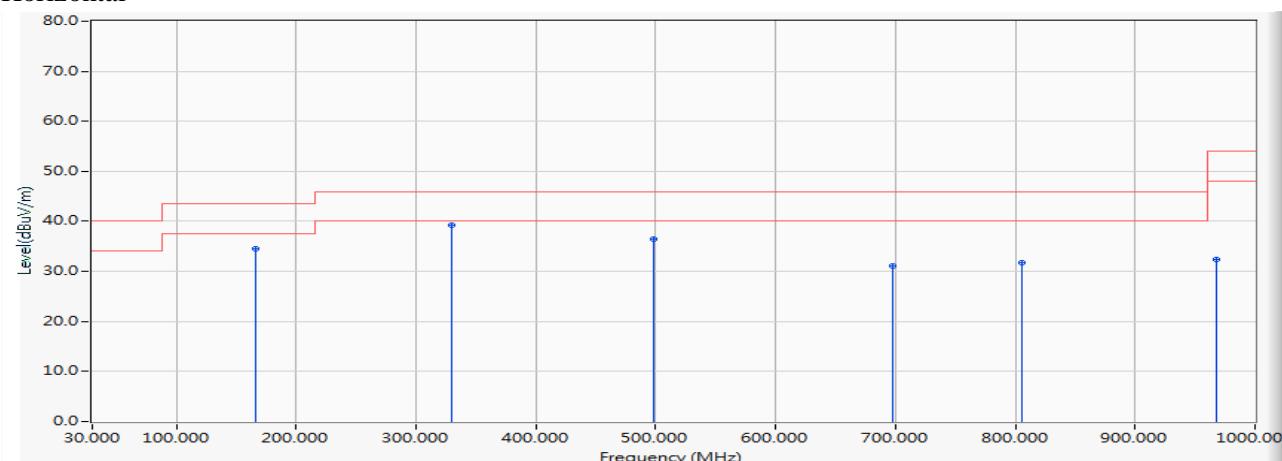
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	11550.000	-10.204	56.760	46.557	-27.443	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 1:802.11a_Band 1+GSM850_836.4MHz+NFC(5220MHz)

Horizontal



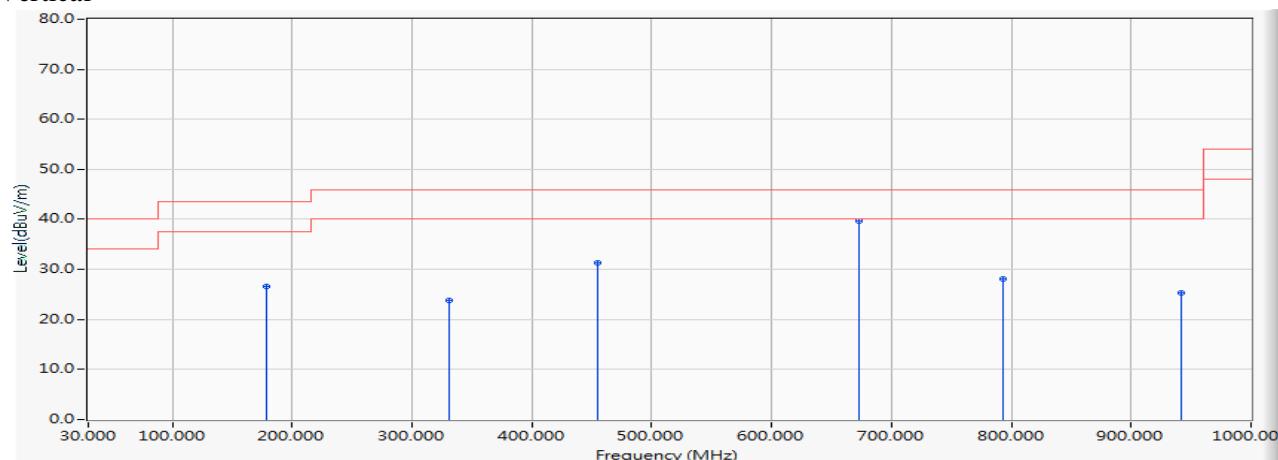
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		166.362	-20.403	54.860	34.457	-9.043	43.500	QUASIPEAK
2	*	329.435	-14.037	53.286	39.249	-6.751	46.000	QUASIPEAK
3		498.130	-10.992	47.488	36.496	-9.504	46.000	QUASIPEAK
4		697.754	-9.148	40.303	31.154	-14.846	46.000	QUASIPEAK
5		806.000	-8.894	40.569	31.675	-14.325	46.000	QUASIPEAK
6		967.667	-8.173	40.636	32.463	-21.537	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 1:802.11a_Band 1+GSM850_836.4MHz+NFC(5220MHz)

Vertical



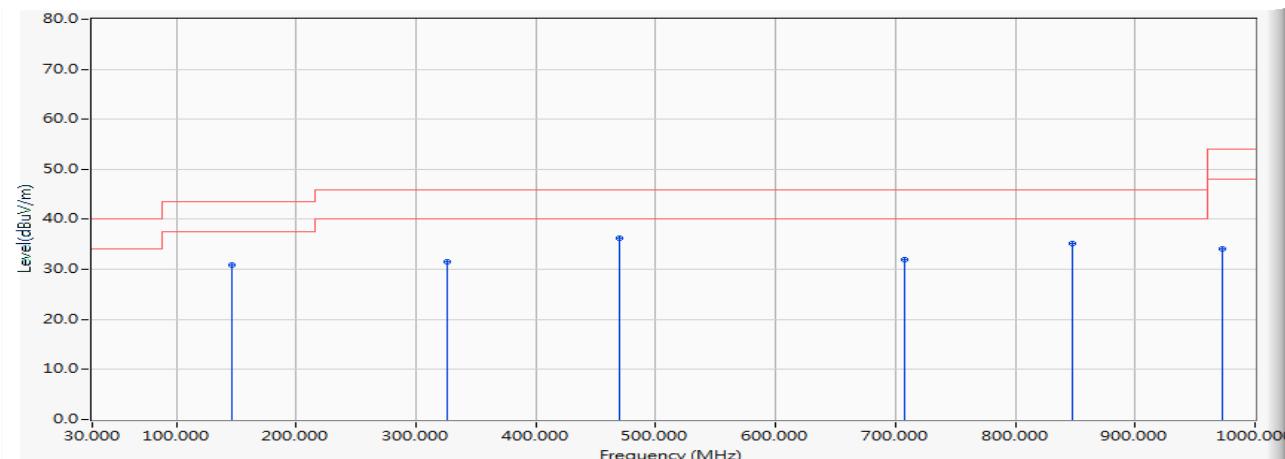
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	179.014	-19.370	45.987	26.617	-16.883	43.500	QUASIPEAK
2	330.841	-14.031	37.816	23.784	-22.216	46.000	QUASIPEAK
3	454.551	-10.341	41.650	31.309	-14.691	46.000	QUASIPEAK
4 *	672.449	-9.534	49.123	39.589	-6.411	46.000	QUASIPEAK
5	793.348	-8.745	36.933	28.188	-17.812	46.000	QUASIPEAK
6	942.362	-8.699	34.074	25.375	-20.625	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 5:802.11a_Band 2a+WCDMA Band V_836.4MHz+NFC(5300MHz)

Horizontal



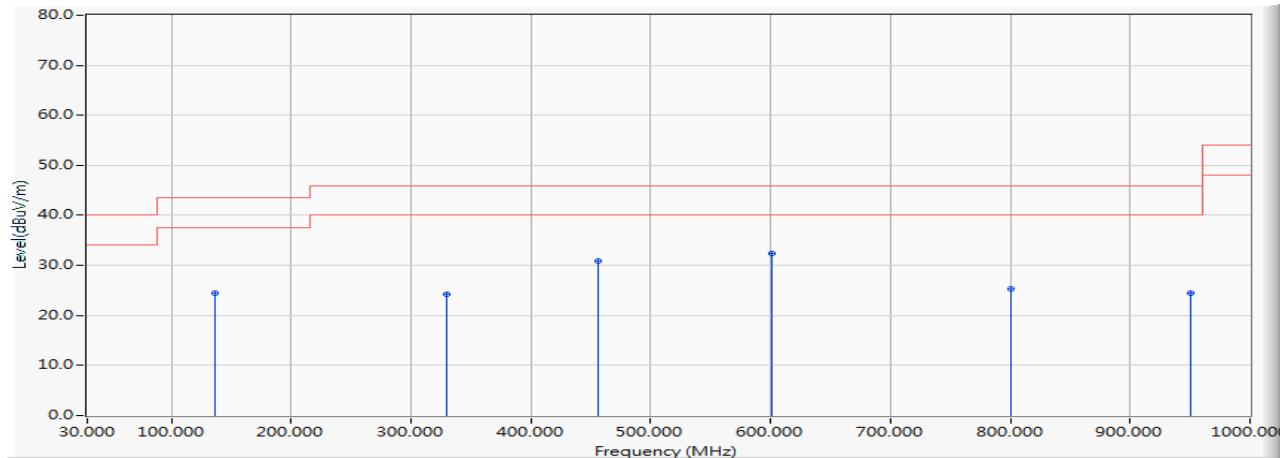
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		146.681	-19.095	50.046	30.951	-12.549	43.500	QUASIPEAK
2		326.623	-14.044	45.616	31.573	-14.427	46.000	QUASIPEAK
3	*	470.014	-11.374	47.641	36.267	-9.733	46.000	QUASIPEAK
4		707.594	-9.047	40.948	31.901	-14.099	46.000	QUASIPEAK
5		848.174	-8.247	43.457	35.210	-10.790	46.000	QUASIPEAK
6		973.290	-8.026	42.178	34.152	-19.848	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 5:802.11a_Band 2a+WCDMA Band V_836.4MHz+NFC(5300MHz)

Vertical



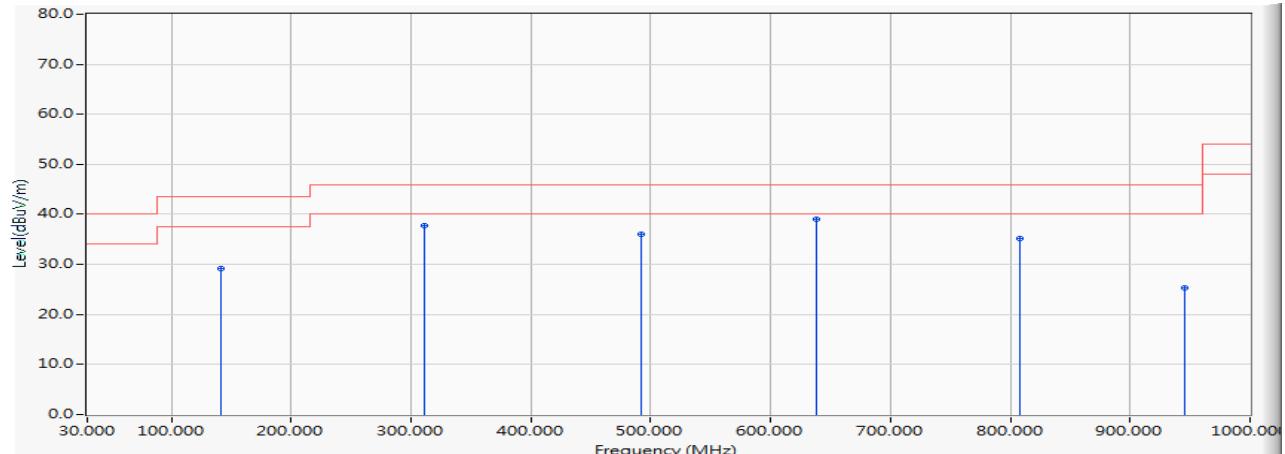
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	136.841	-17.121	41.651	24.531	-18.969	43.500	QUASIPEAK
2	329.435	-14.037	38.173	24.136	-21.864	46.000	QUASIPEAK
3	455.957	-10.388	41.193	30.805	-15.195	46.000	QUASIPEAK
4 *	600.754	-6.607	38.953	32.346	-13.654	46.000	QUASIPEAK
5	800.377	-8.870	34.259	25.389	-20.611	46.000	QUASIPEAK
6	950.797	-8.544	33.072	24.529	-21.471	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 9:802.11a_Band 2c+LTE FDD Band 12_10M 707.5MHz+NFC(5580MHz)

Horizontal



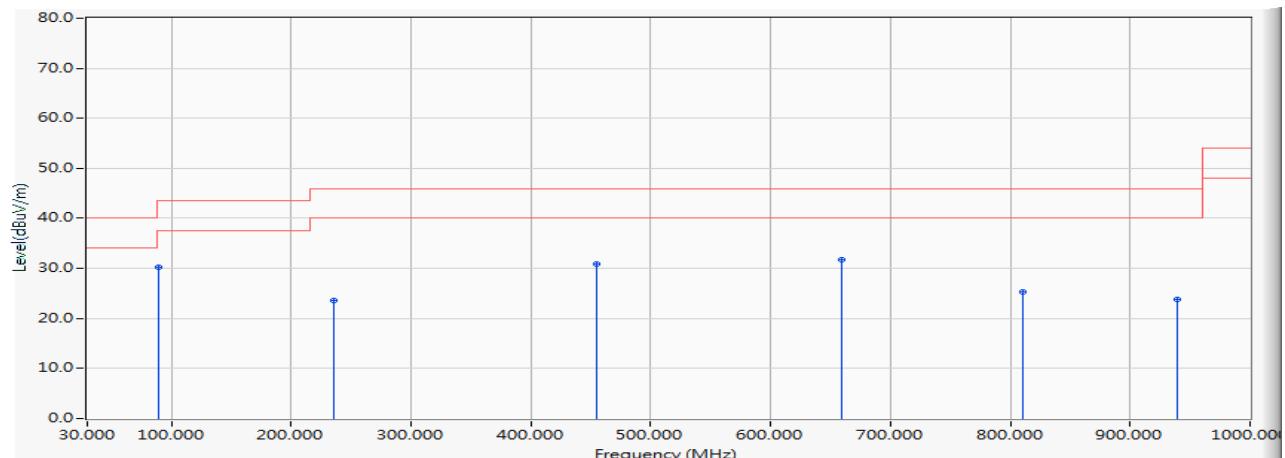
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	141.058	-17.844	46.986	29.142	-14.358	43.500	QUASIPEAK
2	311.159	-14.350	52.115	37.765	-8.235	46.000	QUASIPEAK
3	492.507	-11.366	47.304	35.938	-10.062	46.000	QUASIPEAK
4 *	638.710	-8.734	47.834	39.099	-6.901	46.000	QUASIPEAK
5	807.406	-8.890	44.027	35.137	-10.863	46.000	QUASIPEAK
6	945.174	-8.650	34.012	25.362	-20.638	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 9:802.11a_Band 2c+LTE FDD Band 12_10M 707.5MHz+NFC(5580MHz)

Vertical



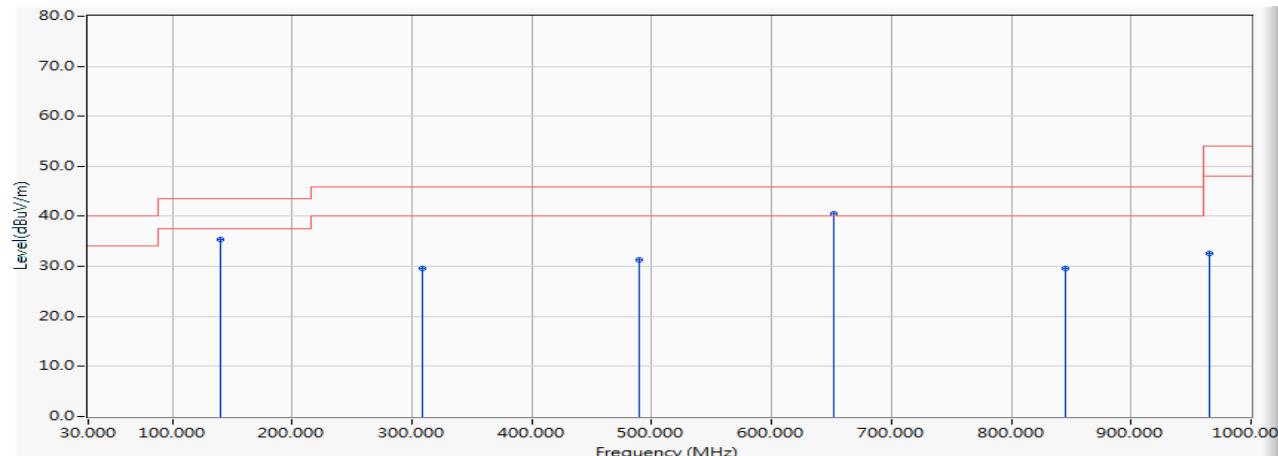
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	89.043	-17.280	47.453	30.173	-13.327	43.500	QUASIPEAK
2		235.246	-18.092	41.663	23.571	-22.429	46.000	QUASIPEAK
3		454.551	-10.341	41.162	30.821	-15.179	46.000	QUASIPEAK
4		659.797	-9.990	41.680	31.691	-14.309	46.000	QUASIPEAK
5		810.217	-8.882	34.148	25.266	-20.734	46.000	QUASIPEAK
6		939.551	-8.769	32.633	23.864	-22.136	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 9:802.11a_Band 2c+LTE FDD Band 12_10M 707.5MHz+NFC(5720MHz)

Horizontal



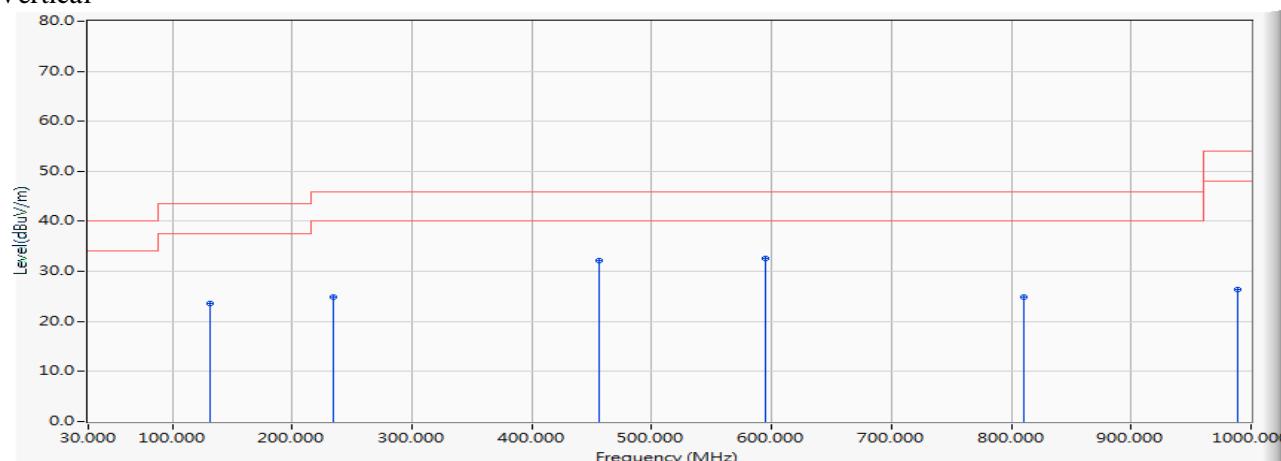
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	139.652	-17.556	52.878	35.322	-8.178	43.500	QUASIPEAK
2	308.348	-14.448	43.970	29.522	-16.478	46.000	QUASIPEAK
3	489.696	-11.545	42.806	31.261	-14.739	46.000	QUASIPEAK
4 *	651.362	-9.420	49.941	40.520	-5.480	46.000	QUASIPEAK
5	845.362	-8.232	37.900	29.668	-16.332	46.000	QUASIPEAK
6	964.855	-8.249	40.800	32.551	-21.449	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 9:802.11a_Band 2c+LTE FDD Band 12_10M 707.5MHz+NFC(5720MHz)

Vertical



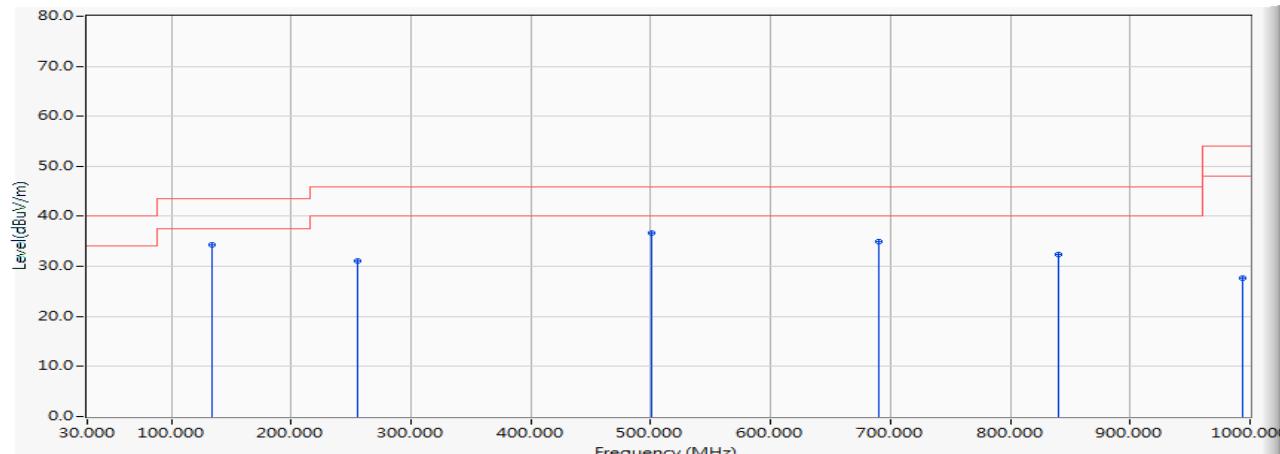
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		131.217	-16.237	39.787	23.550	-19.950	43.500	QUASIPEAK
2		233.841	-17.964	42.844	24.880	-21.120	46.000	QUASIPEAK
3		455.957	-10.388	42.564	32.176	-13.824	46.000	QUASIPEAK
4	*	595.130	-6.778	39.318	32.541	-13.459	46.000	QUASIPEAK
5		810.217	-8.882	33.745	24.863	-21.137	46.000	QUASIPEAK
6		988.754	-7.920	34.349	26.429	-27.571	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 13:802.11a_Band 3+LTE FDD Band 26_15M 831.5MHz+NFC(5785MHz)

Horizontal



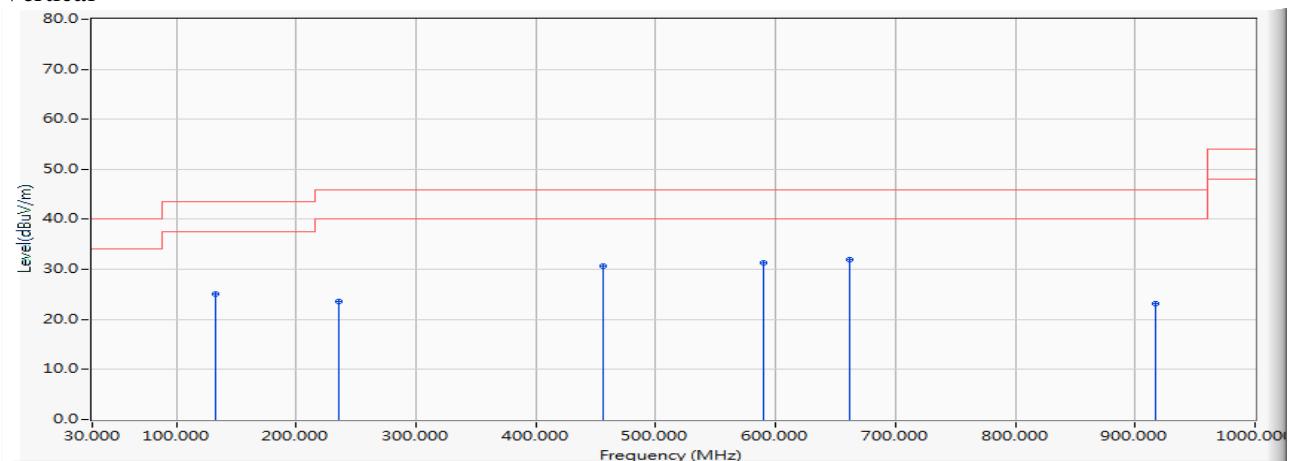
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	134.029	-16.681	51.045	34.364	-9.136	43.500	QUASIPEAK
2		254.928	-18.064	49.270	31.205	-14.795	46.000	QUASIPEAK
3		500.942	-10.881	47.561	36.681	-9.319	46.000	QUASIPEAK
4		690.725	-9.180	44.179	34.998	-11.002	46.000	QUASIPEAK
5		839.739	-8.309	40.634	32.325	-13.675	46.000	QUASIPEAK
6		994.377	-7.952	35.620	27.669	-26.331	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 13:802.11a_Band 3+LTE FDD Band 26_15M 831.5MHz+NFC(5785MHz)

Vertical



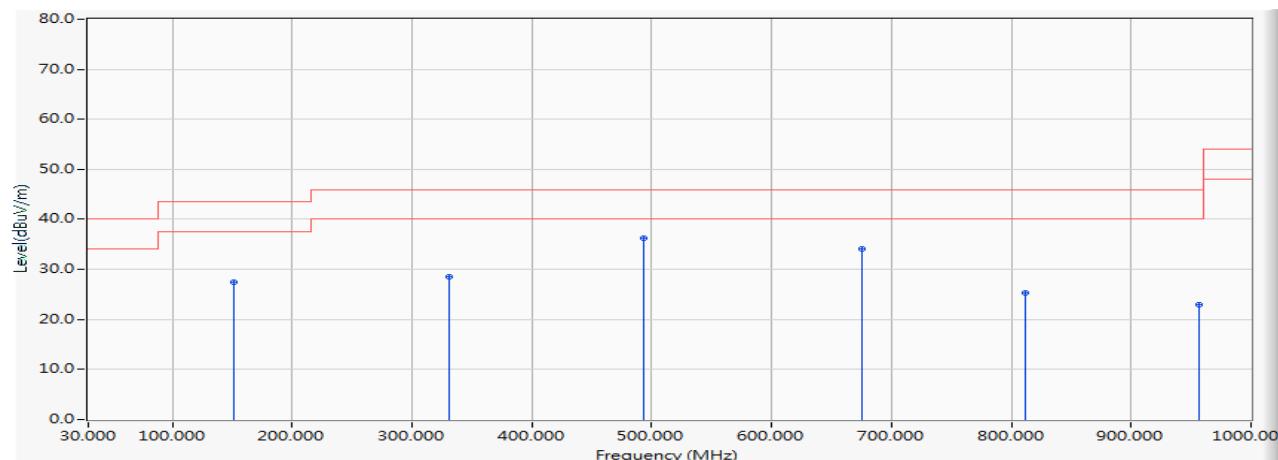
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		132.623	-16.460	41.574	25.114	-18.386	43.500	QUASIPEAK
2		235.246	-18.092	41.601	23.509	-22.491	46.000	QUASIPEAK
3		455.957	-10.388	41.043	30.655	-15.345	46.000	QUASIPEAK
4		589.507	-7.032	38.309	31.277	-14.723	46.000	QUASIPEAK
5	*	661.203	-9.972	41.935	31.963	-14.037	46.000	QUASIPEAK
6		917.058	-10.172	33.391	23.220	-22.780	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 2:802.11n20_Band 1+GSM1900_1880MHz+NFC (5220MHz)

Horizontal



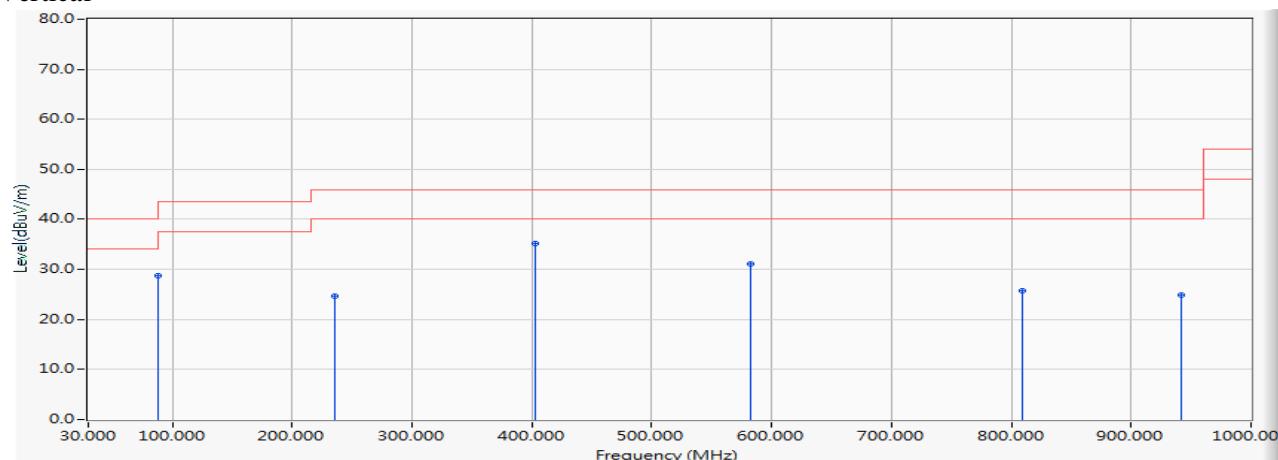
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		150.899	-19.916	47.293	27.376	-16.124	43.500	QUASIPEAK
2		330.841	-14.031	42.607	28.575	-17.425	46.000	QUASIPEAK
3	*	493.913	-11.278	47.620	36.343	-9.657	46.000	QUASIPEAK
4		675.261	-9.426	43.582	34.156	-11.844	46.000	QUASIPEAK
5		811.623	-8.891	34.269	25.378	-20.622	46.000	QUASIPEAK
6		956.420	-8.440	31.412	22.973	-23.027	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 2:802.11n20_Band 1+GSM1900_1880MHz+NFC (5220MHz)

Vertical



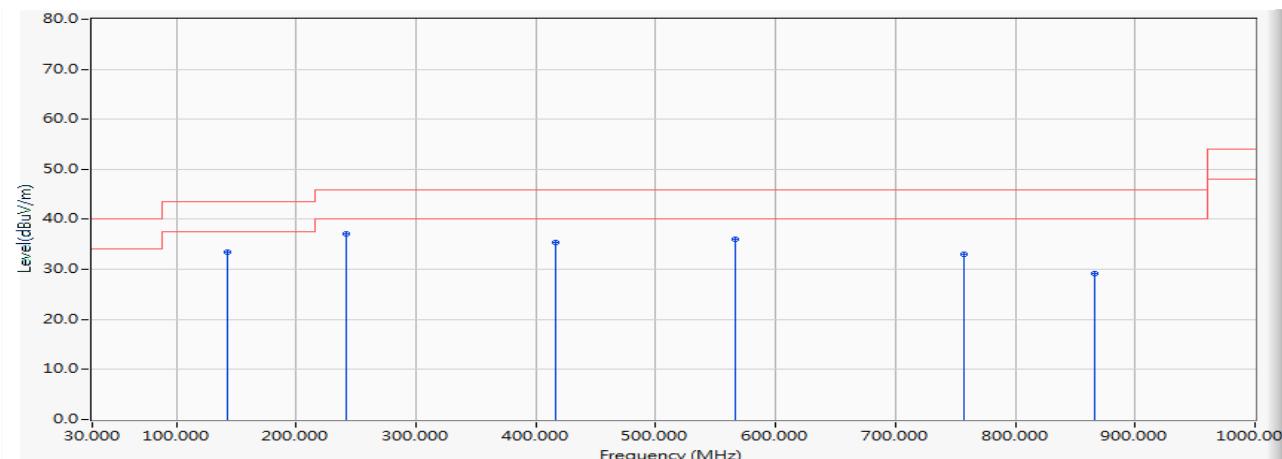
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	87.638	-17.661	46.344	28.683	-11.317	40.000	QUASIPEAK
2	235.246	-18.092	42.823	24.731	-21.269	46.000	QUASIPEAK
3 *	402.536	-13.559	48.658	35.099	-10.901	46.000	QUASIPEAK
4	582.478	-7.356	38.513	31.157	-14.843	46.000	QUASIPEAK
5	808.812	-8.884	34.593	25.709	-20.291	46.000	QUASIPEAK
6	942.362	-8.699	33.632	24.933	-21.067	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 6:802.11n20_Band 2a+LTE FDD Band 2_20M 1880MHz+NFC (5300MHz)

Horizontal



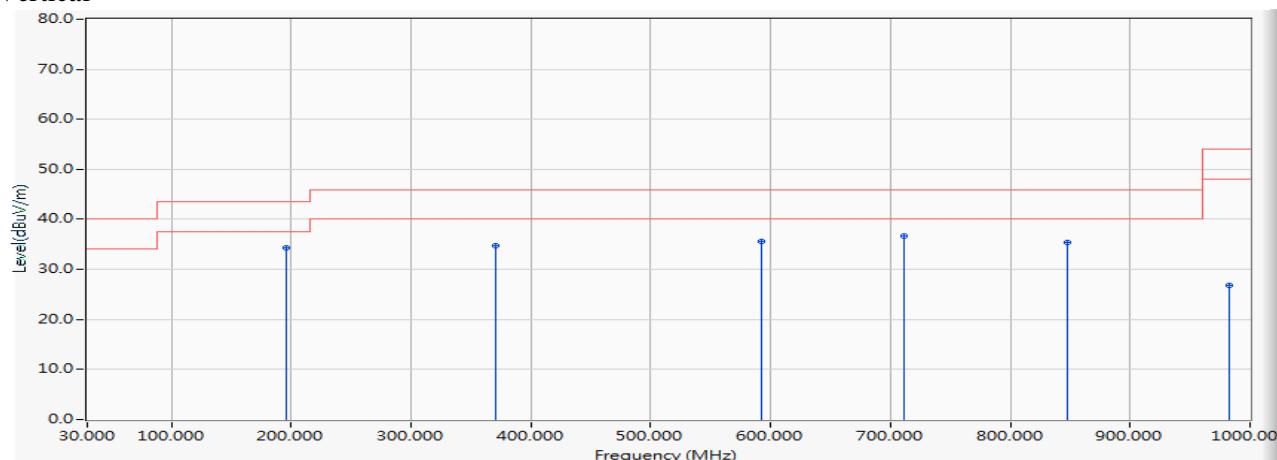
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		142.464	-18.156	51.608	33.451	-10.049	43.500	QUASIPEAK
2	*	242.275	-18.430	55.587	37.157	-8.843	46.000	QUASIPEAK
3		416.594	-12.595	48.067	35.471	-10.529	46.000	QUASIPEAK
4		567.014	-9.451	45.538	36.087	-9.913	46.000	QUASIPEAK
5		756.797	-7.321	40.307	32.985	-13.015	46.000	QUASIPEAK
6		866.449	-8.347	37.564	29.217	-16.783	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 6:802.11n20_Band 2a+LTE FDD Band 2_20M 1880MHz+NFC (5300MHz)

Vertical



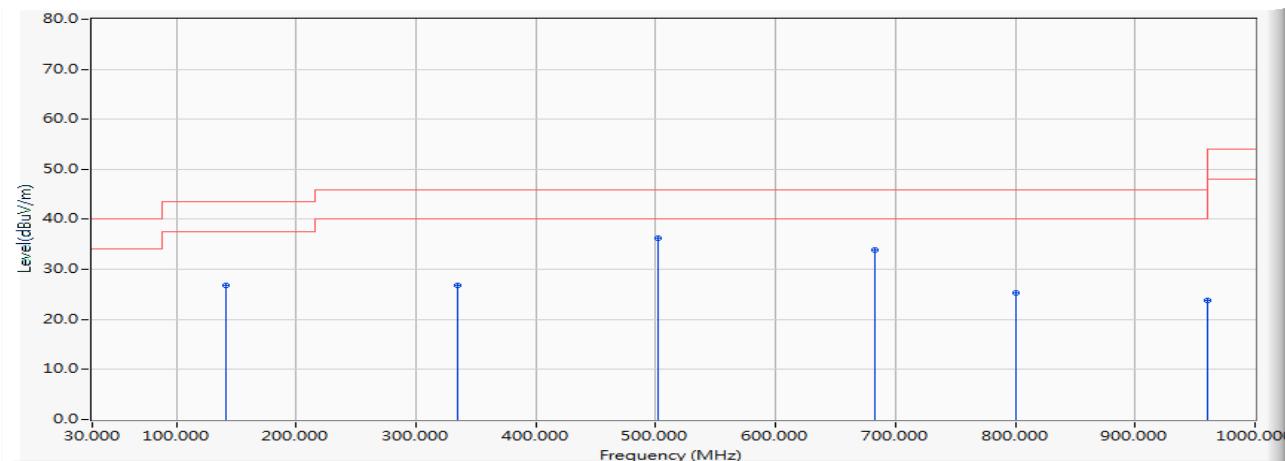
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	195.884	-18.372	52.604	34.232	-9.268	43.500	QUASIPEAK
2		370.203	-12.397	47.106	34.708	-11.292	46.000	QUASIPEAK
3		592.319	-6.903	42.590	35.687	-10.313	46.000	QUASIPEAK
4		711.812	-8.988	45.703	36.715	-9.285	46.000	QUASIPEAK
5		848.174	-8.247	43.532	35.285	-10.715	46.000	QUASIPEAK
6		983.130	-7.883	34.737	26.853	-27.147	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 10:802.11n20_Band 2c+LTE FDD Band 13_10M 782.5MHz+NFC (5580MHz)

Horizontal



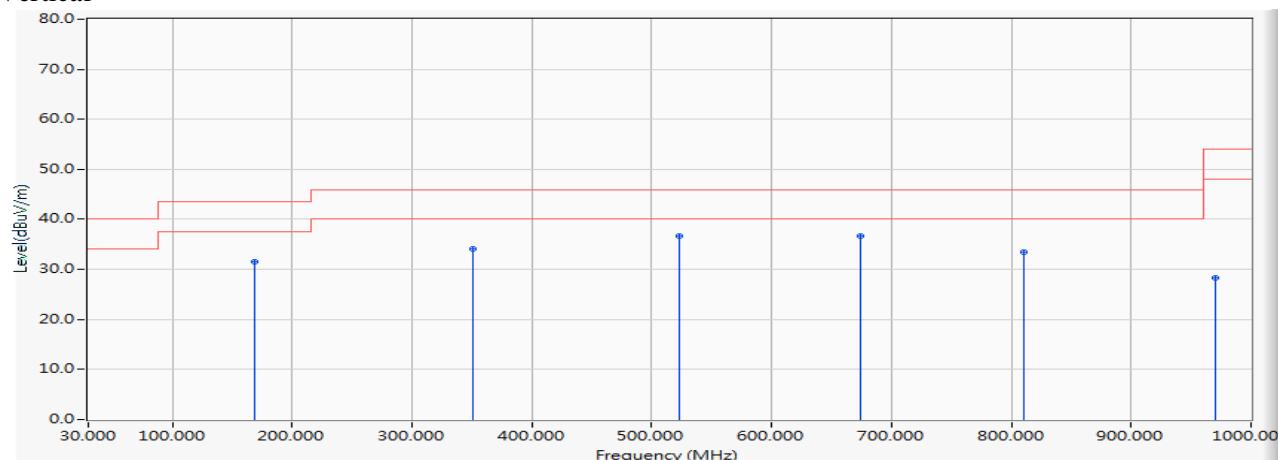
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		141.058	-17.844	44.744	26.900	-16.600	43.500	QUASIPEAK
2		335.058	-14.001	40.842	26.840	-19.160	46.000	QUASIPEAK
3	*	502.348	-10.910	47.244	36.334	-9.666	46.000	QUASIPEAK
4		682.290	-9.224	43.135	33.910	-12.090	46.000	QUASIPEAK
5		800.377	-8.870	34.129	25.259	-20.741	46.000	QUASIPEAK
6		960.638	-8.342	32.079	23.738	-30.262	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 10:802.11n20_Band 2c+LTE FDD Band 13_10M 782.5MHz+NFC (5580MHz)

Vertical



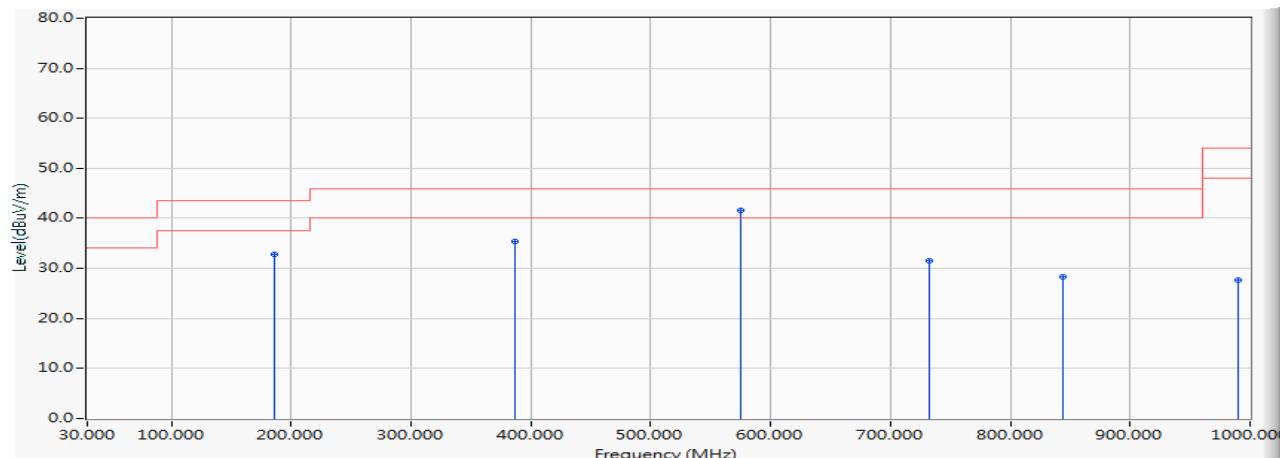
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	169.174	-20.256	51.831	31.575	-11.925	43.500	QUASIPEAK
2	350.522	-13.309	47.386	34.076	-11.924	46.000	QUASIPEAK
3 *	523.435	-11.278	47.956	36.679	-9.321	46.000	QUASIPEAK
4	673.855	-9.481	46.130	36.649	-9.351	46.000	QUASIPEAK
5	810.217	-8.882	42.373	33.491	-12.509	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 10:802.11n20_Band 2c+LTE FDD Band 13_10M 782.5MHz+NFC(5720MHz)

Horizontal



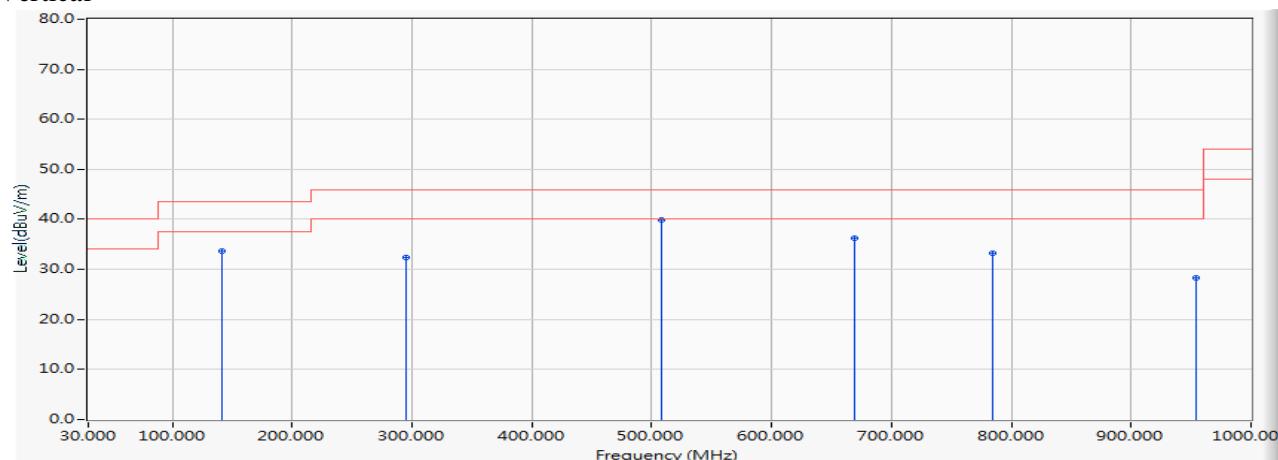
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	186.043	-18.960	51.742	32.782	-10.718	43.500	QUASIPEAK
2	387.072	-12.650	48.065	35.415	-10.585	46.000	QUASIPEAK
3 *	575.449	-8.160	49.668	41.507	-4.493	46.000	QUASIPEAK
4	732.899	-6.679	38.113	31.434	-14.566	46.000	QUASIPEAK
5	843.957	-8.248	36.497	28.249	-17.751	46.000	QUASIPEAK
6	990.159	-7.929	35.589	27.660	-26.340	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 10:802.11n20_Band 2c+LTE FDD Band 13_10M 782.5MHz+NFC(5720MHz)

Vertical



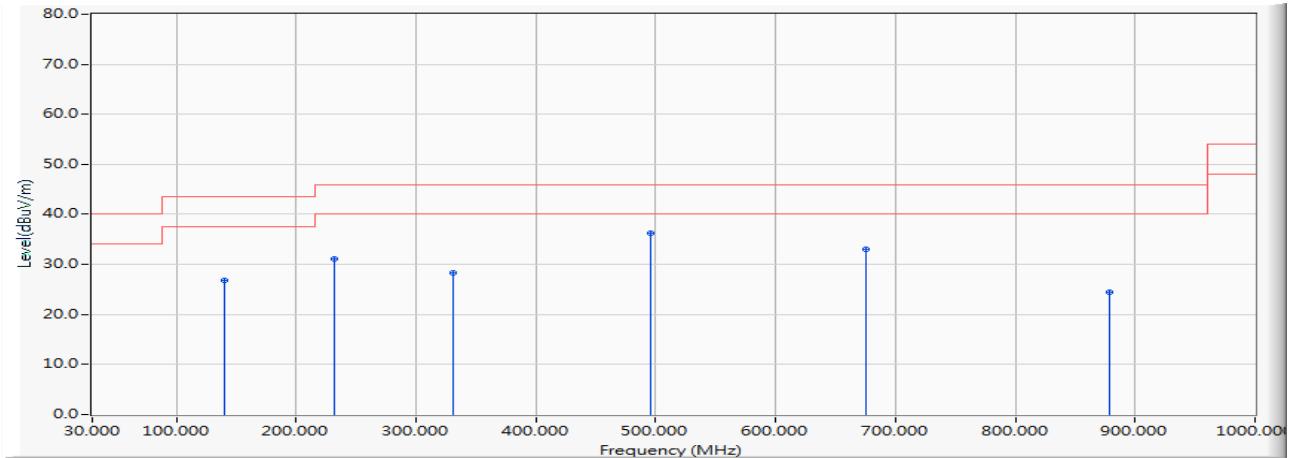
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	141.058	-17.844	51.475	33.631	-9.869	43.500	QUASIPEAK
2	295.696	-15.737	48.070	32.332	-13.668	46.000	QUASIPEAK
3 *	507.971	-11.027	50.983	39.956	-6.044	46.000	QUASIPEAK
4	669.638	-9.644	45.997	36.353	-9.647	46.000	QUASIPEAK
5	784.913	-8.599	41.846	33.246	-12.754	46.000	QUASIPEAK
6	953.609	-8.491	36.739	28.248	-17.752	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 14:802.11n20_Band 3+GSM850_836.4MHz+NFC (5785MHz)

Horizontal



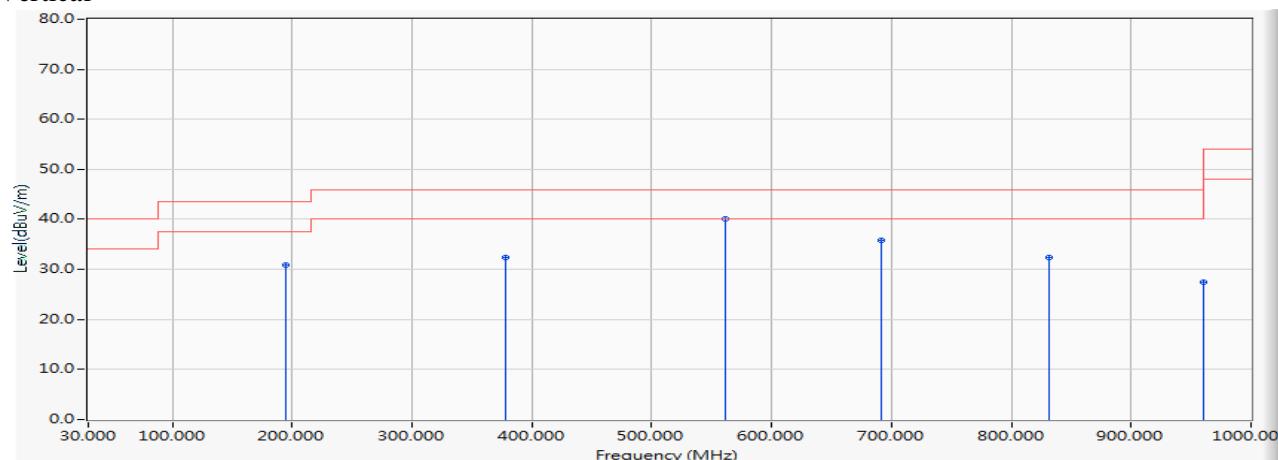
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		139.652	-17.556	44.286	26.730	-16.770	43.500	QUASIPEAK
2		232.435	-17.838	48.849	31.010	-14.990	46.000	QUASIPEAK
3		330.841	-14.031	42.246	28.214	-17.786	46.000	QUASIPEAK
4	*	495.319	-11.188	47.511	36.323	-9.677	46.000	QUASIPEAK
5		675.261	-9.426	42.535	33.109	-12.891	46.000	QUASIPEAK
6		879.101	-8.323	32.868	24.545	-21.455	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 14:802.11n20_Band 3+GSM850_836.4MHz+NFC (5785MHz)

Vertical



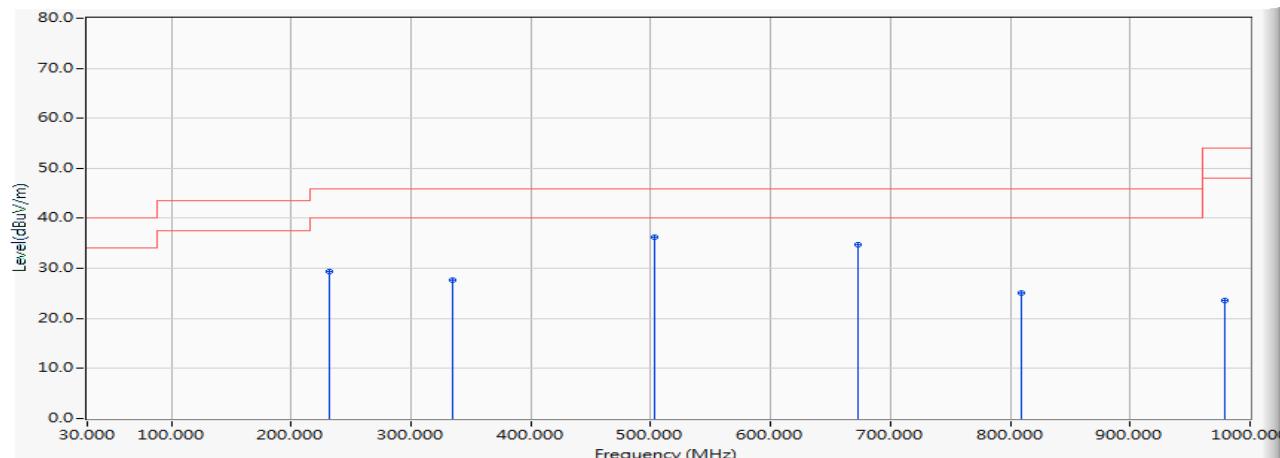
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	194.478	-18.457	49.263	30.806	-12.694	43.500	QUASIPEAK
2	378.638	-12.110	44.411	32.301	-13.699	46.000	QUASIPEAK
3 *	561.391	-10.299	50.480	40.182	-5.818	46.000	QUASIPEAK
4	692.130	-9.177	44.994	35.817	-10.183	46.000	QUASIPEAK
5	831.304	-8.592	40.882	32.290	-13.710	46.000	QUASIPEAK
6	960.638	-8.342	35.765	27.424	-26.576	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 3:802.11n40_Band 1+WCDMA BandII_1880MHz+NFC (5230MHz)

Horizontal



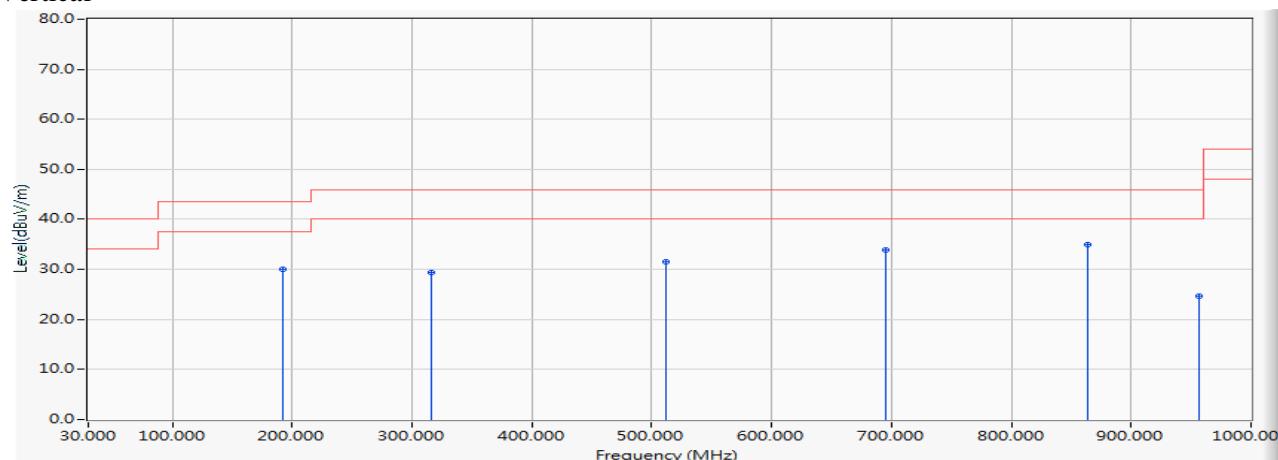
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	232.435	-17.838	47.179	29.340	-16.660	46.000	QUASIPEAK
2	335.058	-14.001	41.639	27.637	-18.363	46.000	QUASIPEAK
3 *	503.754	-10.940	47.119	36.178	-9.822	46.000	QUASIPEAK
4	672.449	-9.534	44.218	34.684	-11.316	46.000	QUASIPEAK
5	808.812	-8.884	33.901	25.017	-20.983	46.000	QUASIPEAK
6	978.913	-7.893	31.577	23.684	-30.316	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 3:802.11n40_Band 1+WCDMA BandII_1880MHz+NFC (5230MHz)

Vertical



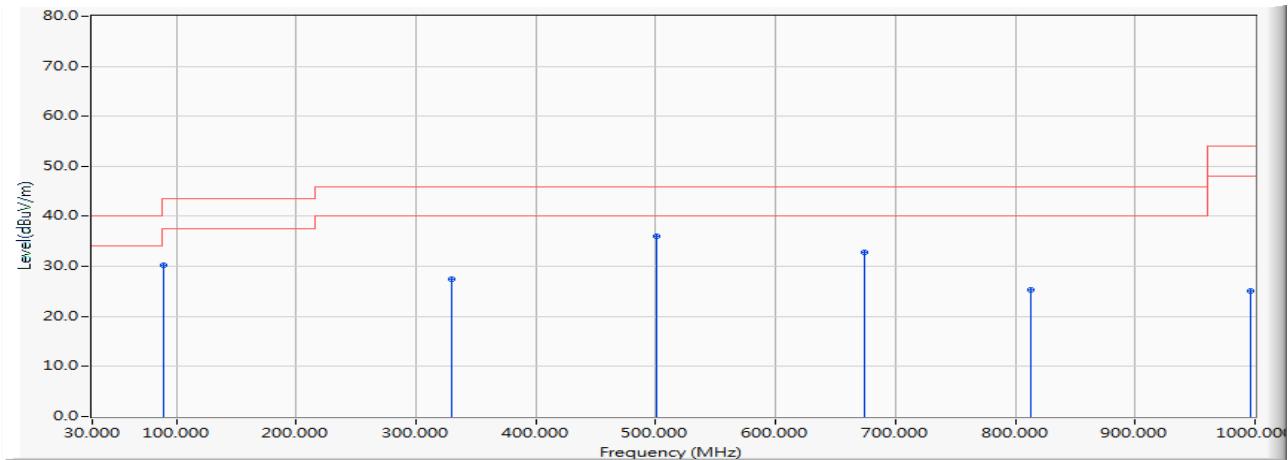
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	191.667	-18.625	48.639	30.013	-13.487	43.500	QUASIPEAK	
2	316.783	-14.163	43.593	29.431	-16.569	46.000	QUASIPEAK	
3	512.188	-11.106	42.681	31.575	-14.425	46.000	QUASIPEAK	
4	694.942	-9.175	43.027	33.852	-12.148	46.000	QUASIPEAK	
5	*	863.638	-8.345	43.349	35.004	-10.996	46.000	QUASIPEAK
6		956.420	-8.440	33.031	24.592	-21.408	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 7:802.11n40_Band 2a+LTE FDD Band 4_20M 1732.5MHz+NFC (5310MHz)

Horizontal



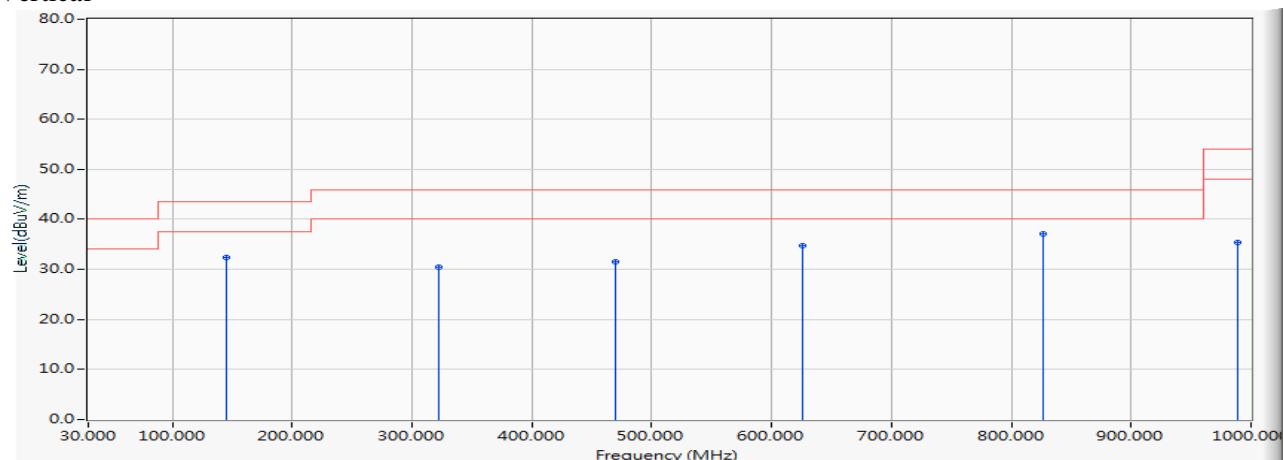
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		89.043	-17.280	47.542	30.262	-13.238	43.500	QUASIPEAK
2		329.435	-14.037	41.387	27.350	-18.650	46.000	QUASIPEAK
3	*	500.942	-10.881	46.891	36.011	-9.989	46.000	QUASIPEAK
4		673.855	-9.481	42.263	32.782	-13.218	46.000	QUASIPEAK
5		813.029	-8.909	34.210	25.301	-20.699	46.000	QUASIPEAK
6		995.783	-7.958	32.998	25.040	-28.960	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 7:802.11n40_Band 2a+LTE FDD Band 4_20M 1732.5MHz+NFC (5310MHz)

Vertical



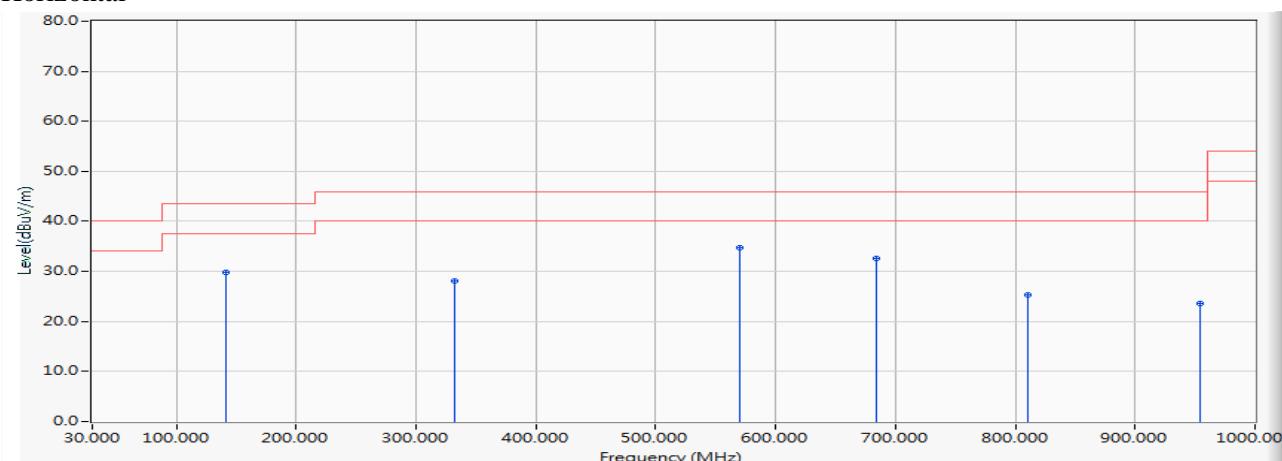
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	
1	145.275	-18.780	51.099	32.319	-11.181	43.500	QUASIPEAK	
2	322.406	-14.055	44.439	30.384	-15.616	46.000	QUASIPEAK	
3	470.014	-11.374	42.877	31.503	-14.497	46.000	QUASIPEAK	
4	626.058	-8.276	43.015	34.739	-11.261	46.000	QUASIPEAK	
5	*	827.087	-8.731	45.843	37.112	-8.888	46.000	QUASIPEAK
6	988.754	-7.920	43.320	35.400	-18.600	54.000	QUASIPEAK	

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 11:802.11n40_Band 2c+LTE FDD Band 17_10M 710MHz+NFC (5550MHz)

Horizontal



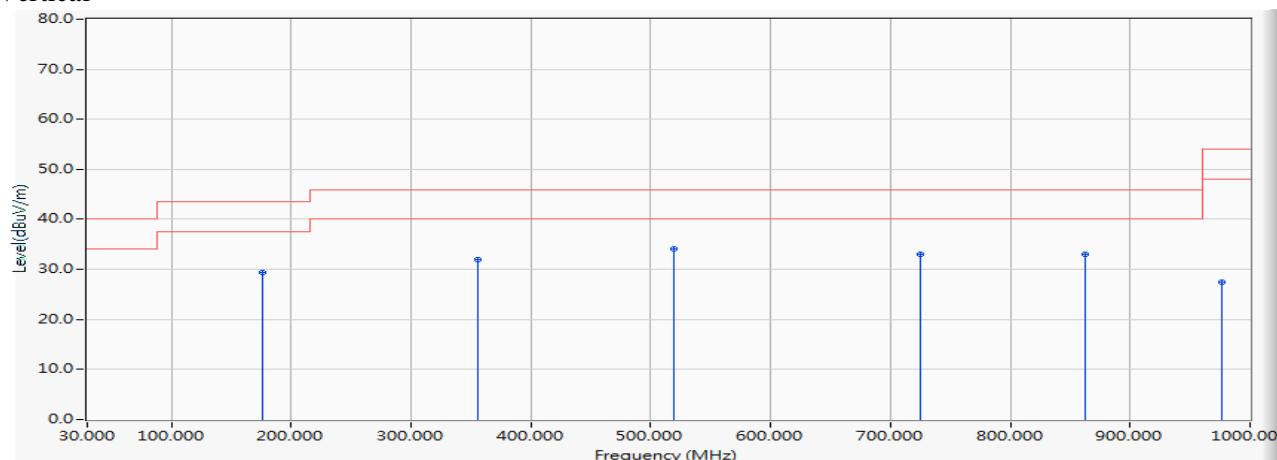
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		141.058	-17.844	47.632	29.788	-13.712	43.500	QUASIPEAK
2		332.246	-14.023	42.087	28.065	-17.935	46.000	QUASIPEAK
3	*	569.826	-9.021	43.781	34.760	-11.240	46.000	QUASIPEAK
4		683.696	-9.222	41.741	32.519	-13.481	46.000	QUASIPEAK
5		810.217	-8.882	34.163	25.281	-20.719	46.000	QUASIPEAK
6		953.609	-8.491	31.994	23.503	-22.497	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 11:802.11n40_Band 2c+LTE FDD Band 17_10M 710MHz+NFC (5550MHz)

Vertical



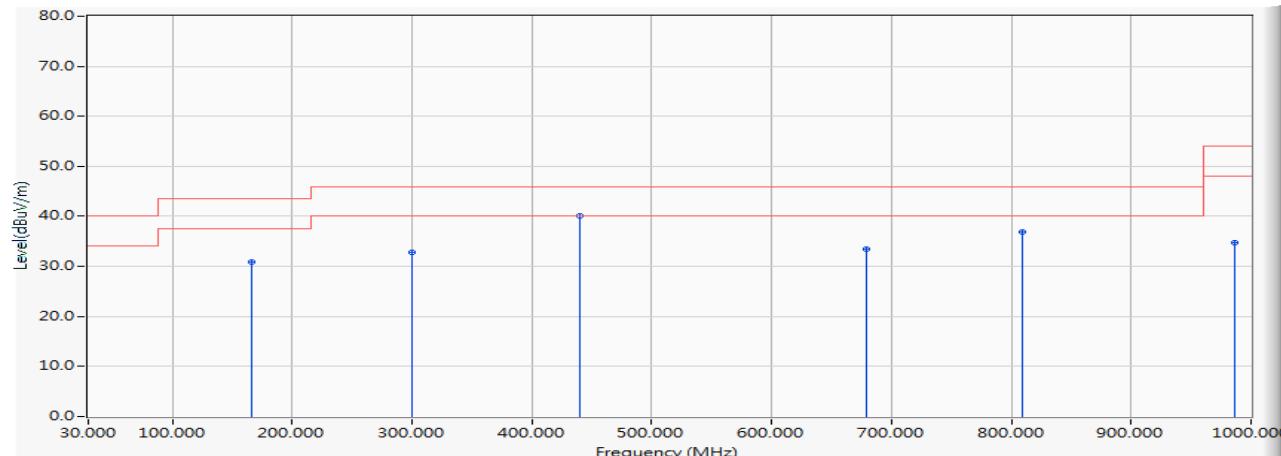
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	176.203	-19.636	49.021	29.385	-14.115	43.500	QUASIPEAK
2	356.145	-12.972	44.840	31.868	-14.132	46.000	QUASIPEAK
3 *	519.217	-11.246	45.345	34.099	-11.901	46.000	QUASIPEAK
4	724.464	-8.142	41.141	33.000	-13.000	46.000	QUASIPEAK
5	862.232	-8.344	41.476	33.132	-12.868	46.000	QUASIPEAK
6	976.101	-7.965	35.477	27.512	-26.488	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 11:802.11n40_Band 2c+LTE FDD Band 17_10M 710MHz+NFC(5710MHz)

Horizontal



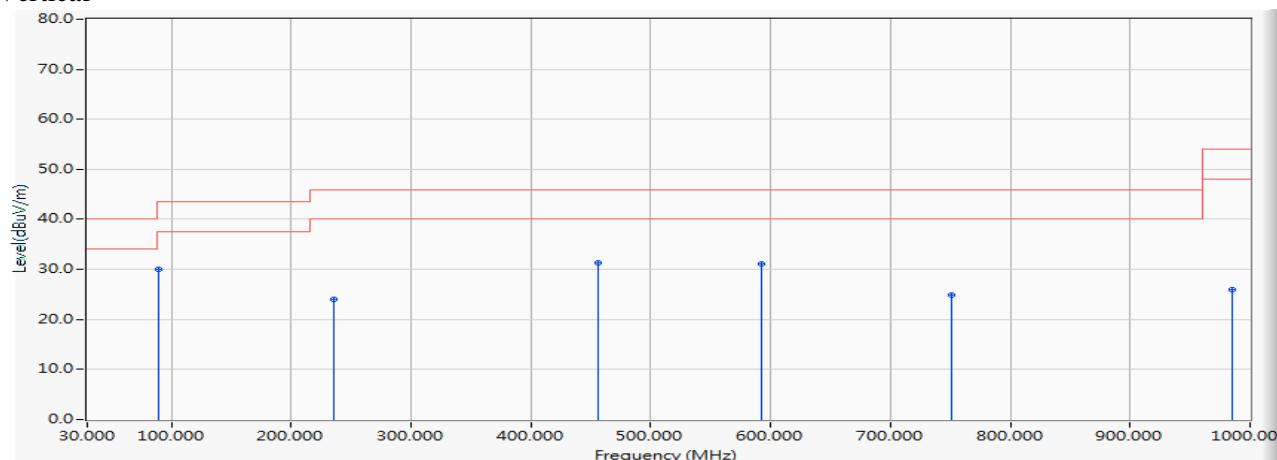
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	166.362	-20.403	51.387	30.984	-12.516	43.500	QUASIPEAK
2	299.913	-14.773	47.586	32.812	-13.188	46.000	QUASIPEAK
3 *	440.493	-9.811	49.837	40.027	-5.973	46.000	QUASIPEAK
4	679.478	-9.253	42.808	33.556	-12.444	46.000	QUASIPEAK
5	808.812	-8.884	45.755	36.871	-9.129	46.000	QUASIPEAK
6	985.942	-7.902	42.667	34.765	-19.235	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 11:802.11n40_Band 2c+LTE FDD Band 17_10M 710MHz+NFC(5710MHz)

Vertical



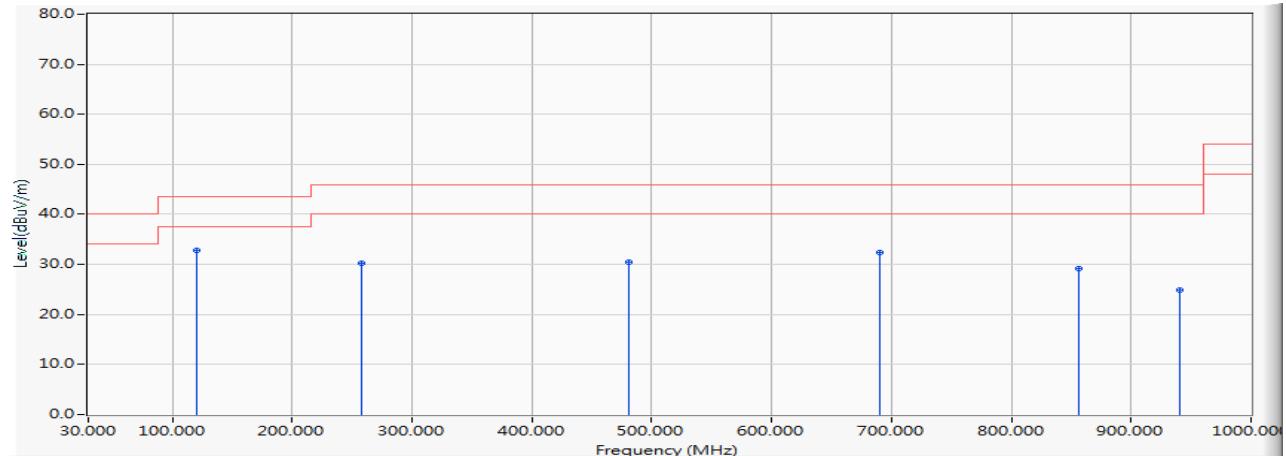
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	89.043	-17.280	47.356	30.076	-13.424	43.500	QUASIPEAK
2		235.246	-18.092	42.093	24.001	-21.999	46.000	QUASIPEAK
3		455.957	-10.388	41.685	31.297	-14.703	46.000	QUASIPEAK
4		592.319	-6.903	37.897	30.994	-15.006	46.000	QUASIPEAK
5		751.174	-6.676	31.653	24.977	-21.023	46.000	QUASIPEAK
6		984.536	-7.892	33.907	26.015	-27.985	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 15:802.11n40_Band 3+GSM1900_1880MHz+NFC (5795MHz)

Horizontal



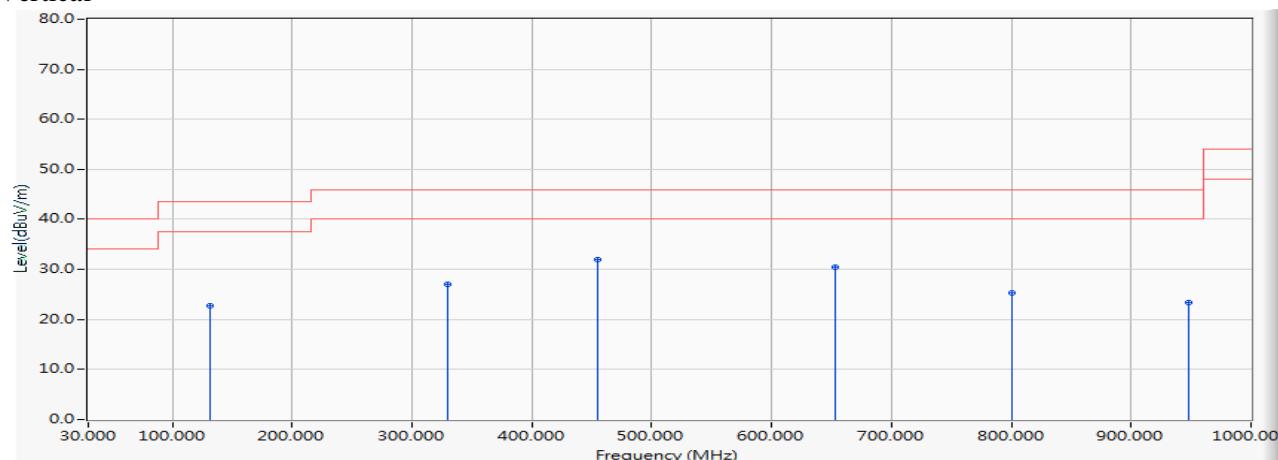
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	119.971	-16.900	49.647	32.748	-10.752	43.500	QUASIPEAK
2		257.739	-18.122	48.471	30.348	-15.652	46.000	QUASIPEAK
3		481.261	-12.112	42.612	30.501	-15.499	46.000	QUASIPEAK
4		690.725	-9.180	41.613	32.432	-13.568	46.000	QUASIPEAK
5		856.609	-8.314	37.502	29.188	-16.812	46.000	QUASIPEAK
6		940.957	-8.723	33.597	24.874	-21.126	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 15:802.11n40_Band 3+GSM1900_1880MHz+NFC (5795MHz)

Vertical



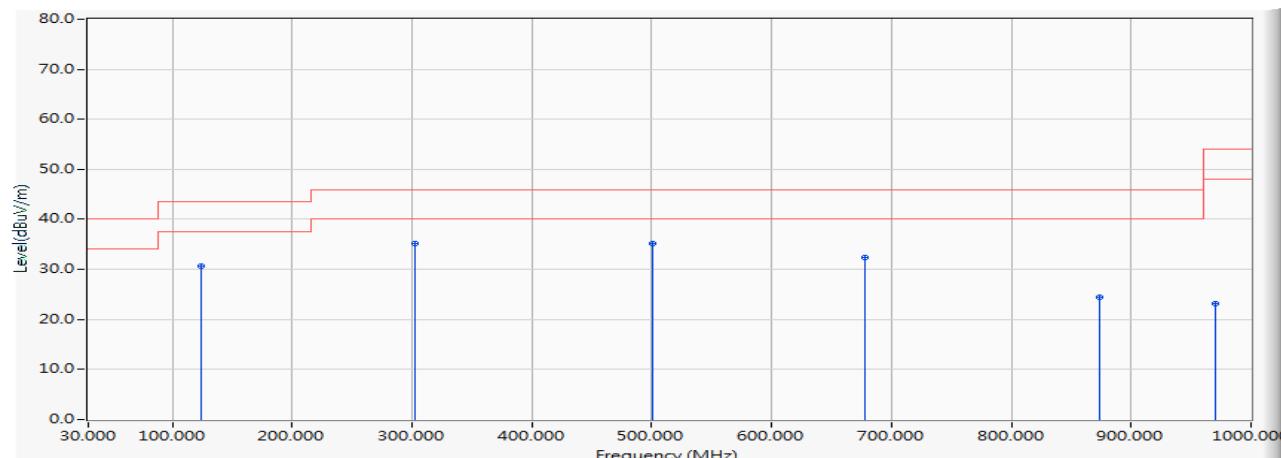
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	131.217	-16.237	39.071	22.834	-20.666	43.500	QUASIPEAK
2	329.435	-14.037	41.003	26.966	-19.034	46.000	QUASIPEAK
3 *	454.551	-10.341	42.236	31.895	-14.105	46.000	QUASIPEAK
4	652.768	-9.521	39.887	30.366	-15.634	46.000	QUASIPEAK
5	800.377	-8.870	34.211	25.341	-20.659	46.000	QUASIPEAK
6	947.986	-8.597	31.908	23.311	-22.689	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 4:802.11ac-80_Band 1+WCDMA BandIV_1732.6MHz+NFC(5210MHz)

Horizontal



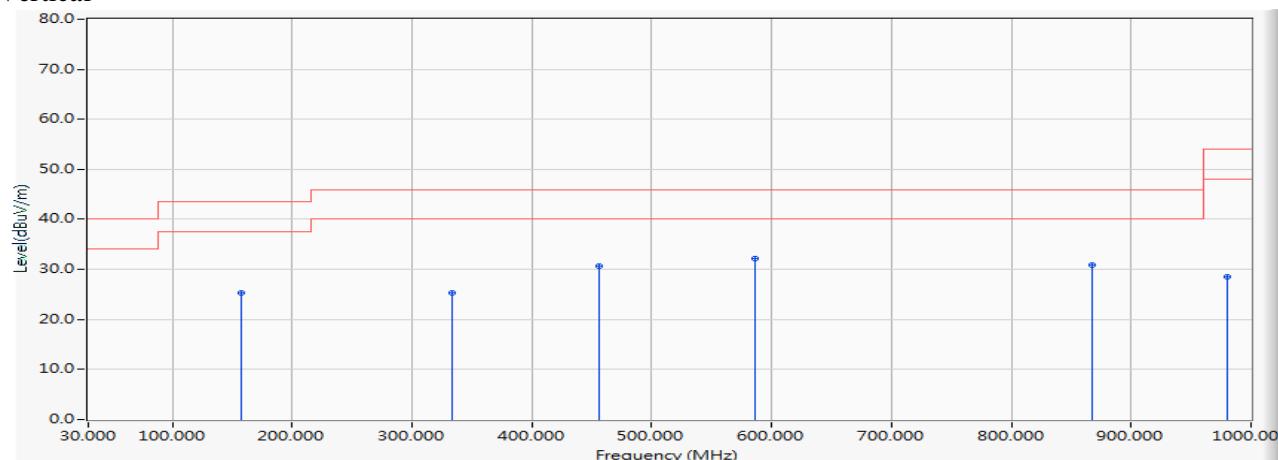
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	124.188	-16.554	47.232	30.679	-12.821	43.500	QUASIPEAK
2	302.725	-14.633	49.704	35.071	-10.929	46.000	QUASIPEAK
3 *	500.942	-10.881	46.087	35.207	-10.793	46.000	QUASIPEAK
4	678.072	-9.311	41.608	32.298	-13.702	46.000	QUASIPEAK
5	873.478	-8.336	32.889	24.553	-21.447	46.000	QUASIPEAK
6	970.478	-8.089	31.353	23.263	-30.737	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 4:802.11ac-80_Band 1+WCDMA BandIV_1732.6MHz+NFC(5210MHz)

Vertical



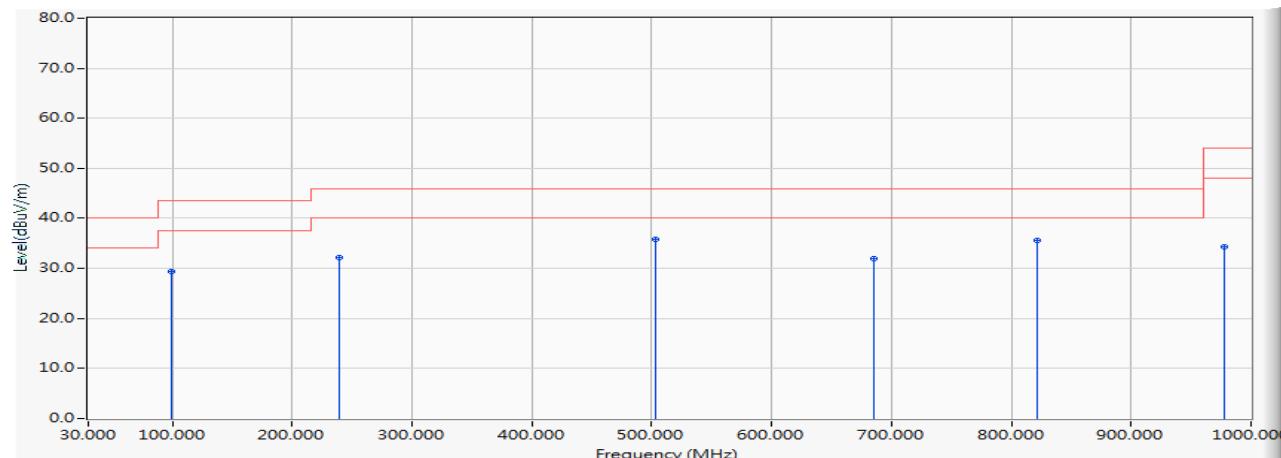
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	157.928	-20.554	45.962	25.407	-18.093	43.500	PEAK
2	333.652	-14.011	39.400	25.389	-20.611	46.000	PEAK
3	455.957	-10.388	41.005	30.617	-15.383	46.000	PEAK
4 *	586.696	-7.165	39.309	32.144	-13.856	46.000	PEAK
5	867.855	-8.345	39.156	30.811	-15.189	46.000	PEAK
6	980.319	-7.870	36.405	28.535	-25.465	54.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 8:802.11ac80_Band 2a+LTE FDD Band 5_10M 836.5MHz+NFC(5290MHz)

Horizontal



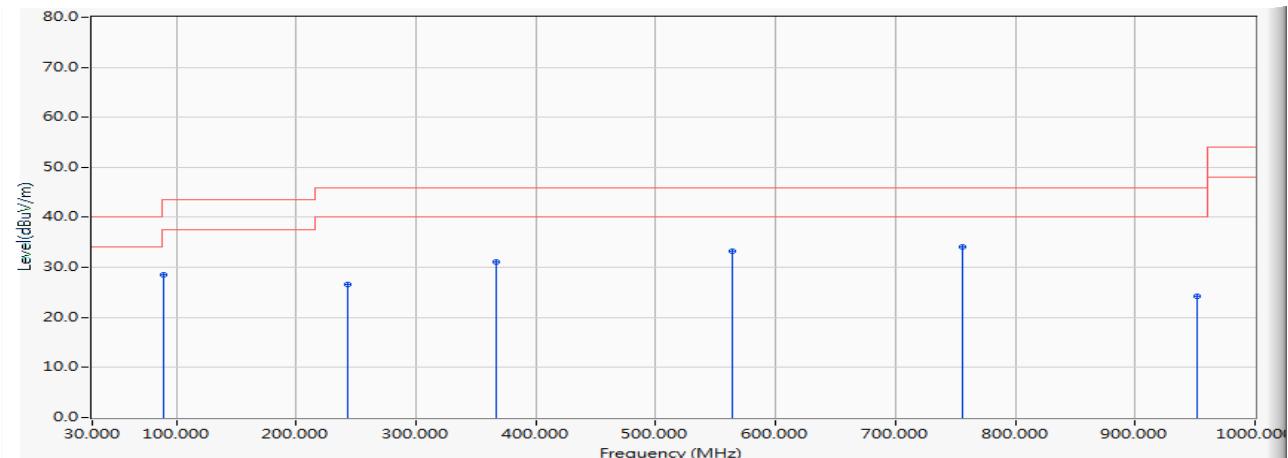
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		98.884	-16.264	45.584	29.320	-14.180	43.500	QUASIPEAK
2		239.464	-18.523	50.752	32.230	-13.770	46.000	QUASIPEAK
3	*	503.754	-10.940	46.814	35.873	-10.127	46.000	QUASIPEAK
4		685.101	-9.221	41.104	31.883	-14.117	46.000	QUASIPEAK
5		821.464	-8.923	44.539	35.616	-10.384	46.000	QUASIPEAK
6		977.507	-7.929	42.343	34.413	-19.587	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 8:802.11ac80_Band 2a+LTE FDD Band 5_10M 836.5MHz+NFC(5290MHz)

Vertical



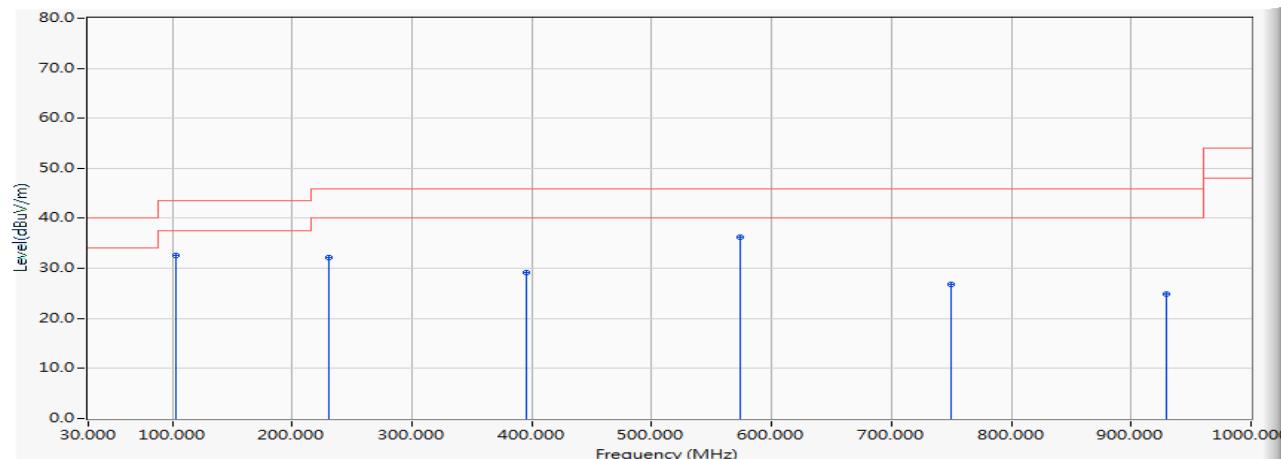
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	89.043	-17.280	45.725	28.445	-15.055	43.500	QUASIPEAK
2	243.681	-18.338	44.883	26.546	-19.454	46.000	QUASIPEAK
3	367.391	-12.496	43.520	31.024	-14.976	46.000	QUASIPEAK
4	564.203	-9.877	43.074	33.198	-12.802	46.000	QUASIPEAK
5	* 755.391	-7.159	41.290	34.132	-11.868	46.000	QUASIPEAK
6	952.203	-8.517	32.839	24.322	-21.678	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 12:802.11ac80_Band 2c+LTE FDD Band 25_20M
 1882.5MHz+NFC(5690MHz)

Horizontal



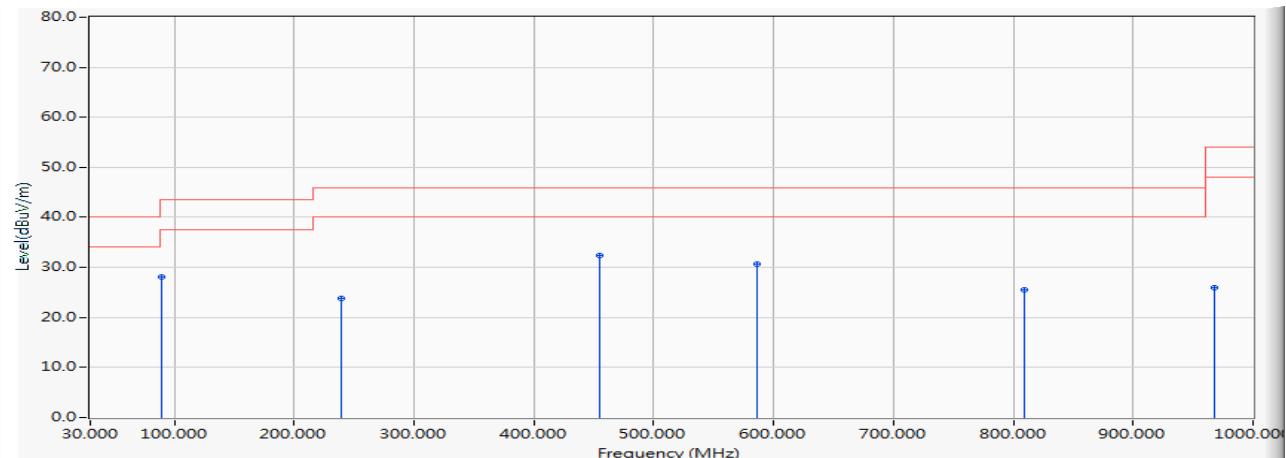
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	103.101	-16.269	48.804	32.535	-10.965	43.500	QUASIPEAK
2	231.029	-17.714	49.899	32.185	-13.815	46.000	QUASIPEAK
3	395.507	-13.355	42.560	29.205	-16.795	46.000	QUASIPEAK
4 *	574.043	-8.376	44.575	36.198	-9.802	46.000	QUASIPEAK
5	749.768	-6.519	33.283	26.764	-19.236	46.000	QUASIPEAK
6	929.710	-9.492	34.447	24.954	-21.046	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 12:802.11ac80_Band 2c+LTE FDD Band 25_20M
 1882.5MHz+NFC(5690MHz)

Vertical



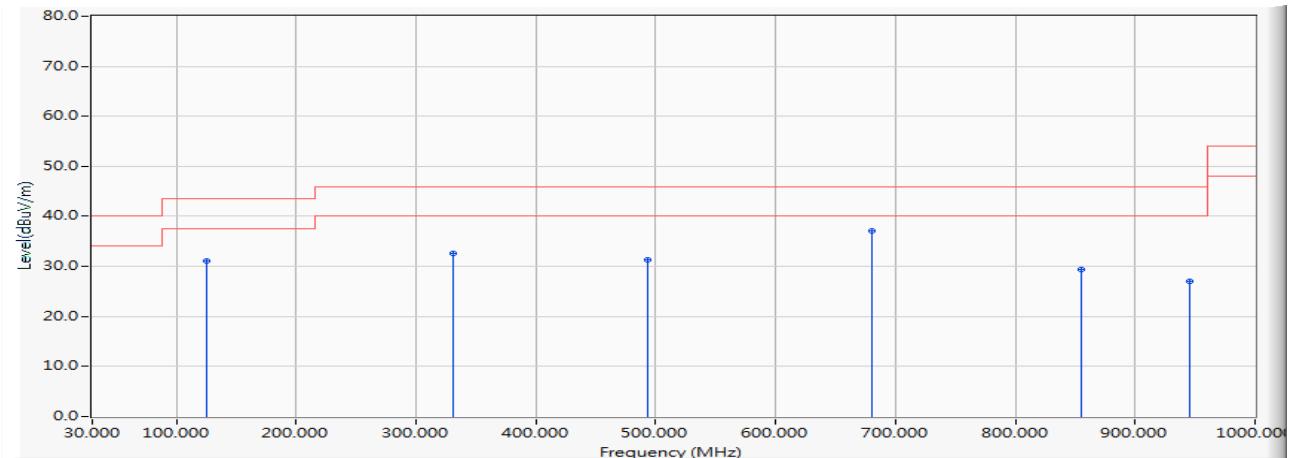
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	89.043	-17.280	45.296	28.016	-15.484	43.500	QUASIPEAK
2	239.464	-18.523	42.369	23.847	-22.153	46.000	QUASIPEAK
3 *	454.551	-10.341	42.759	32.418	-13.582	46.000	QUASIPEAK
4	586.696	-7.165	37.822	30.657	-15.343	46.000	QUASIPEAK
5	808.812	-8.884	34.310	25.426	-20.574	46.000	QUASIPEAK
6	967.667	-8.173	34.168	25.995	-28.005	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 16:802.11ac80_Band 3+WCDMA Band II_1880MHz+NFC(5775MHz)

Horizontal



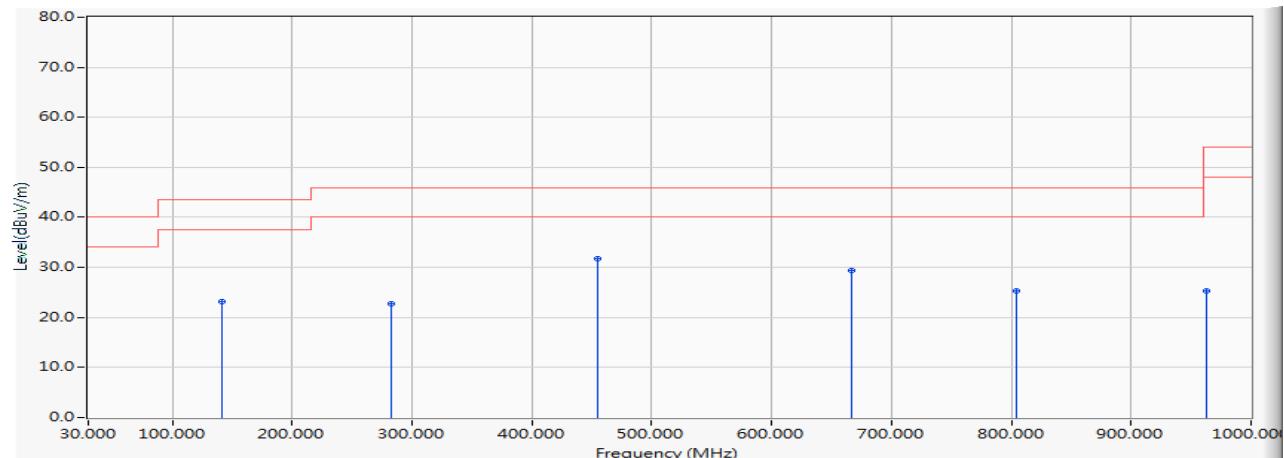
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		125.594	-16.430	47.527	31.096	-12.404	43.500	QUASIPEAK
2		330.841	-14.031	46.736	32.704	-13.296	46.000	QUASIPEAK
3		493.913	-11.278	42.666	31.389	-14.611	46.000	QUASIPEAK
4	*	680.884	-9.227	46.363	37.136	-8.864	46.000	QUASIPEAK
5		855.203	-8.305	37.773	29.469	-16.531	46.000	QUASIPEAK
6		945.174	-8.650	35.617	26.967	-19.033	46.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Rugged Tablet
 Test Item : General Radiated Emission
 Test Date : 2019/08/29
 Test Mode : Mode 16:802.11ac80_Band 3+WCDMA Band II_1880MHz+NFC(5775MHz)

Vertical



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	141.058	-17.844	41.019	23.175	-20.325	43.500	QUASIPEAK
2	283.043	-17.900	40.683	22.783	-23.217	46.000	QUASIPEAK
3 *	454.551	-10.341	42.169	31.828	-14.172	46.000	QUASIPEAK
4	666.826	-9.756	39.055	29.298	-16.702	46.000	QUASIPEAK
5	804.594	-8.890	34.164	25.274	-20.726	46.000	QUASIPEAK
6	963.449	-8.278	33.677	25.399	-28.601	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss -Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.