

# FCC Test Report

|              |                                                                            |
|--------------|----------------------------------------------------------------------------|
| Product Name | Rugged Tablet                                                              |
| Model No     | PA501BXXXXXXXXXX (X for marketing used only: can be alphanumeric or blank) |
| FCC ID       | 2ABTU-PA501B                                                               |

|           |                                                               |
|-----------|---------------------------------------------------------------|
| Applicant | RuggON Corporation                                            |
| Address   | 4F, No. 298, Yang Guang St., Neihs 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

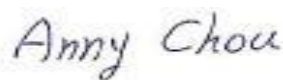
Issued Date: Sep. 11, 2019

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.           | PA501BXXXXXXXXXX (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<br>ANSI C63.4: 2014, ANSI C63.10: 2013<br>789033 D02 General UNII Test Procedures New Rules v02 |
| Test Result         | Complied                                                                                                                                 |

Documented By :



( Senior Adm. Specialist / Anny Chou )

Tested By :



( Engineer / Sam Hsu )

Approved By :



( 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.          | PA501BXXXXXXXXXX (X for marketing used only: can be alphanumeric or blank)                                                                                                     |
| Frequency Range    | 802.11a/n/ac-20MHz: 5180-5320MHz, 5500-5720MHz, 5745-5825MHz<br>802.11n/ac-40MHz: 5190-5310, 5510-5710MHz, 5755-5795MHz<br>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<br>802.11n: up to 300Mbps<br>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<br>Input: AC 100-240Vac, 1.5A 50/60Hz<br>Output: 19V $\overline{=}$ 3.42A<br>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)<br>AJDQ1J-W0001(Aux) | PIFA         | Main:<br>3.58dBi for 5150-5250MHz<br>3.58dBi for 5250-5350MHz<br>2.85dBi for 5470-5725MHz<br>Aux:<br>2.89dBi for 5150-5250MHz<br>2.49dBi for 5250-5350MHz<br>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<br>(Simultaneous Transmit) | Mode 1:802.11a_Band 1+GSM850_836.4MHz+NFC<br>Mode 2:802.11n20_Band 1+GSM1900_1880MHz+NFC<br>Mode 3:802.11n40_Band 1+WCDMA BandII_1880MHz+NFC<br>Mode 4:802.11ac80_Band 1+WCDMA BandIV_1732.6MHz+NFC<br>Mode 5:802.11a_Band 2a+WCDMA Band V_836.4MHz+NFC<br>Mode 6:802.11n20_Band 2a+LTE FDD Band 2_20M 1880MHz+NFC<br>Mode 7:802.11n40_Band 2a+LTE FDD Band 4_20M 1732.5MHz+NFC<br>Mode 8:802.11ac80_Band 2a+LTE FDD Band 5_10M 836.5MHz+NFC<br>Mode 9:802.11a_Band 2c+LTE FDD Band 12_10M 707.5MHz+NFC<br>Mode 10:802.11n20_Band 2c+LTE FDD Band 13_10M 782.5MHz+NFC<br>Mode 11:802.11n40_Band 2c+LTE FDD Band 17_10M 710MHz+NFC<br>Mode 12:802.11ac80_Band 2c+LTE FDD Band 25_20M 1882.5MHz+NFC<br>Mode 13:802.11a_Band 3+LTE FDD Band 26_15M 831.5MHz+NFC<br>Mode 14:802.11n20_Band 3+GSM850_836.4MHz+NFC<br>Mode 15:802.11n40_Band 3+GSM1900_1880MHz+NFC<br>Mode 16:802.11ac80_Band 3+WCDMA Band II_1880MHz+NFC |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

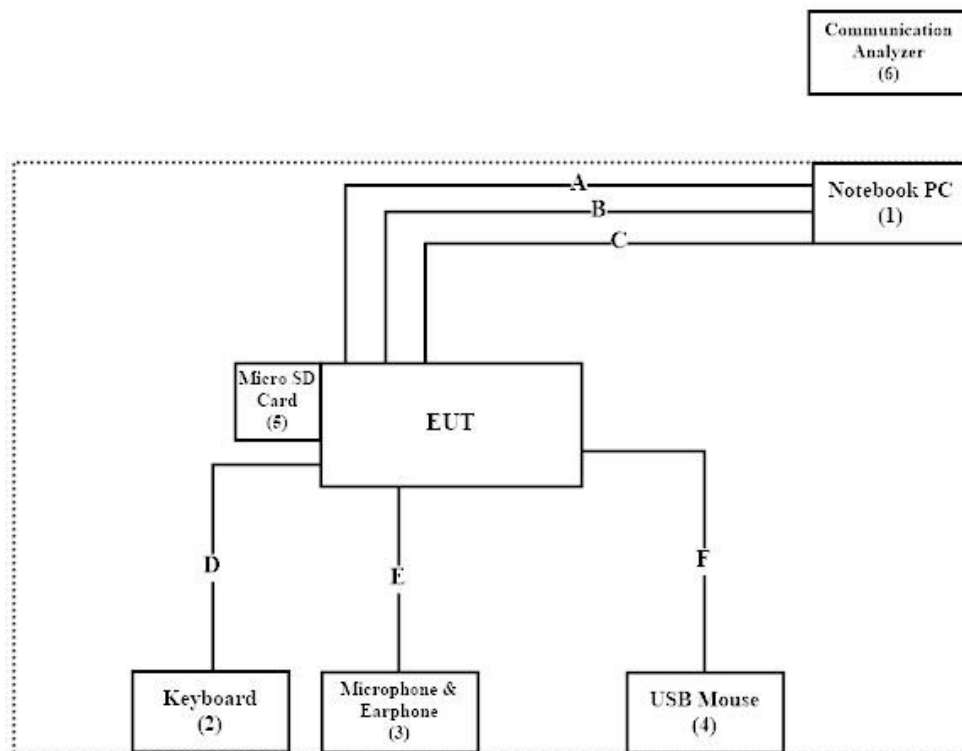
#### 1.4. Tested System Details

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](mailto: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 |

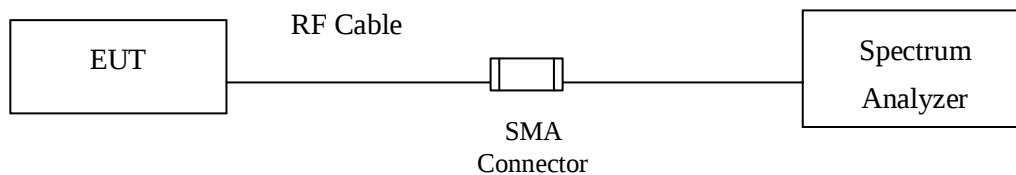
Note:

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 :QuiTek EMI 2.0 V2.1.113.

## 2. Maximun conducted output power

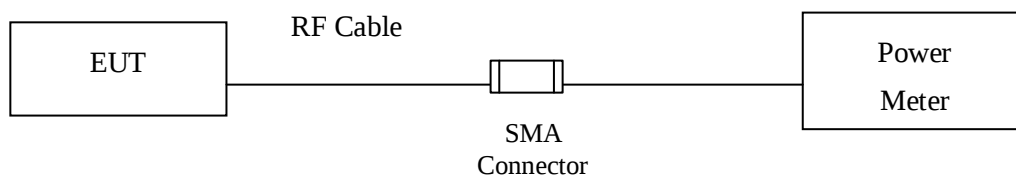
### 2.1. Test Setup

#### 99% Occupied Bandwidth

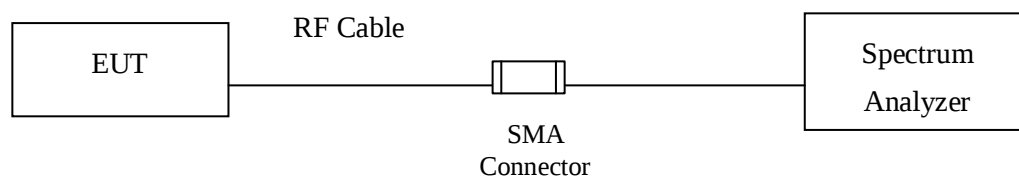


#### Conduction Power Measurement

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-to-point 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 colocated 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 | 99% Bandwidth | Chain A Power | Chain B Power | Output Power | Output Power Limit |               |
|----------------|-----------|---------------|---------------|---------------|--------------|--------------------|---------------|
|                | (MHz)     | (MHz)         | (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                 | --            |

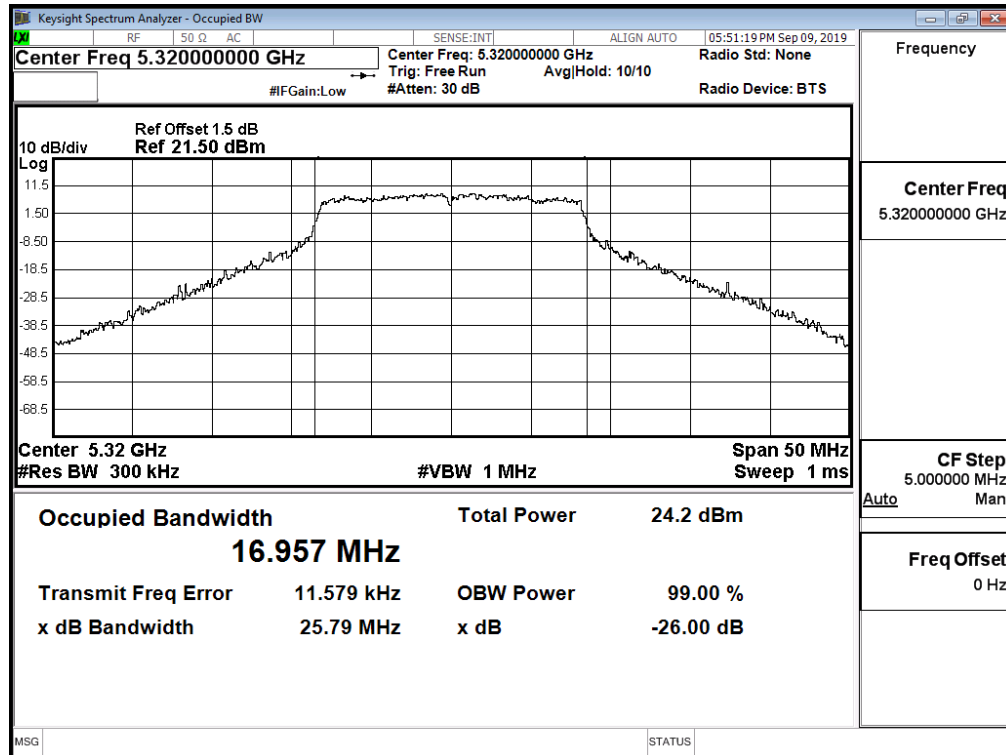
Note:

1. Power Output Value = Reading value on average power meter + cable loss
2. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))

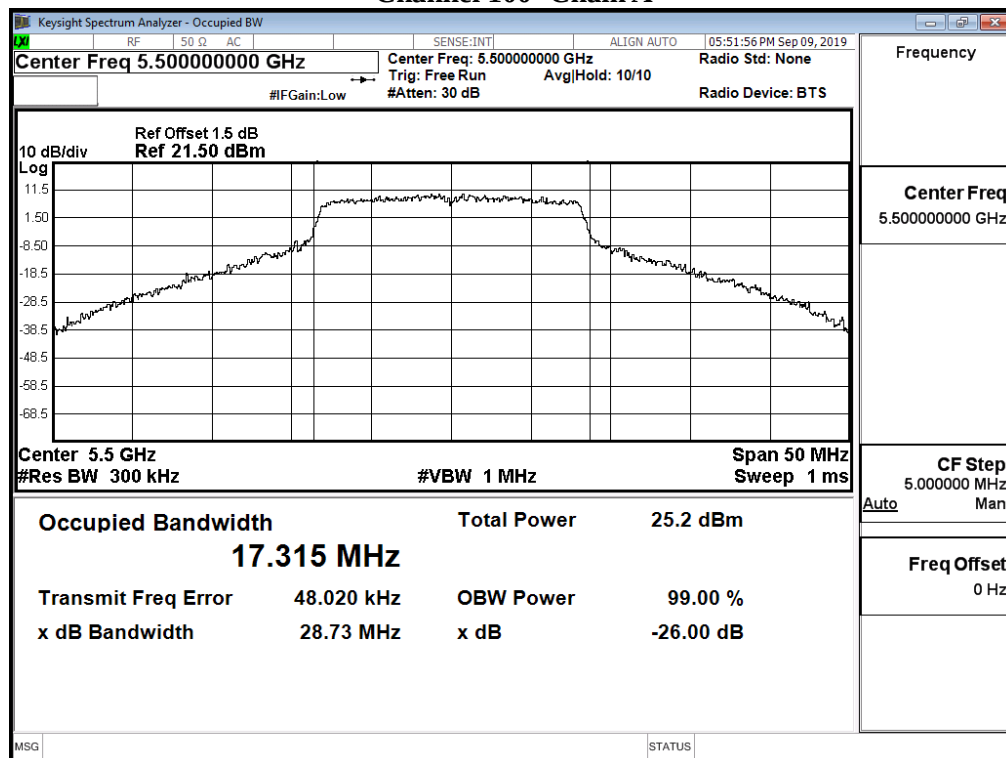
26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.



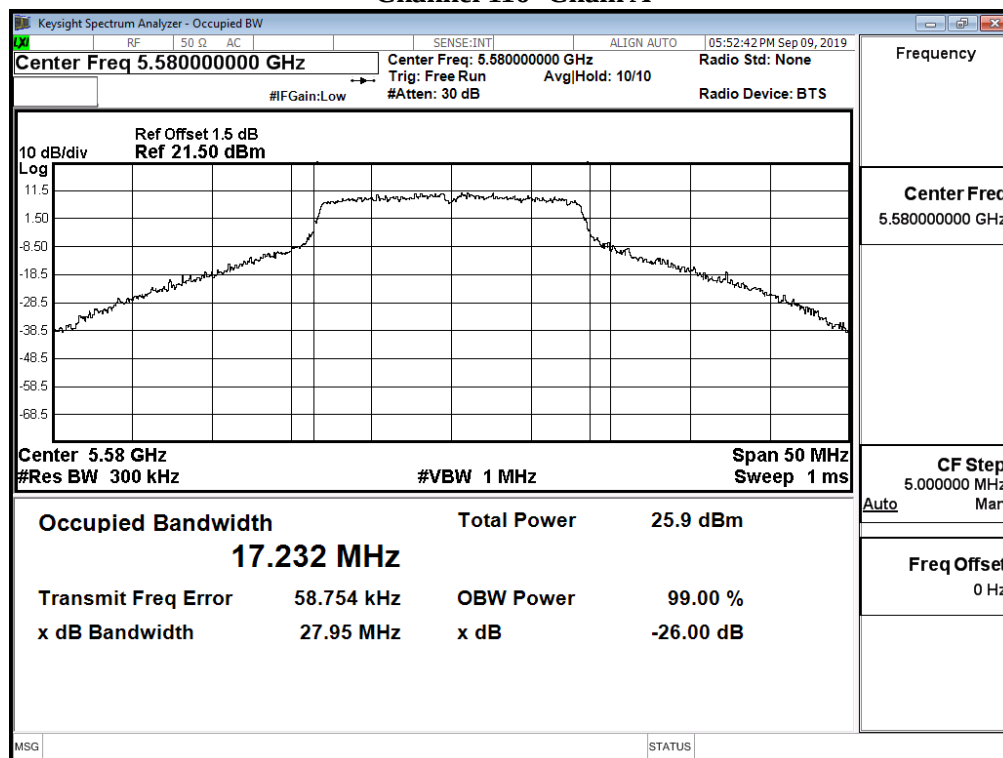
## Channel 64 -Chain A



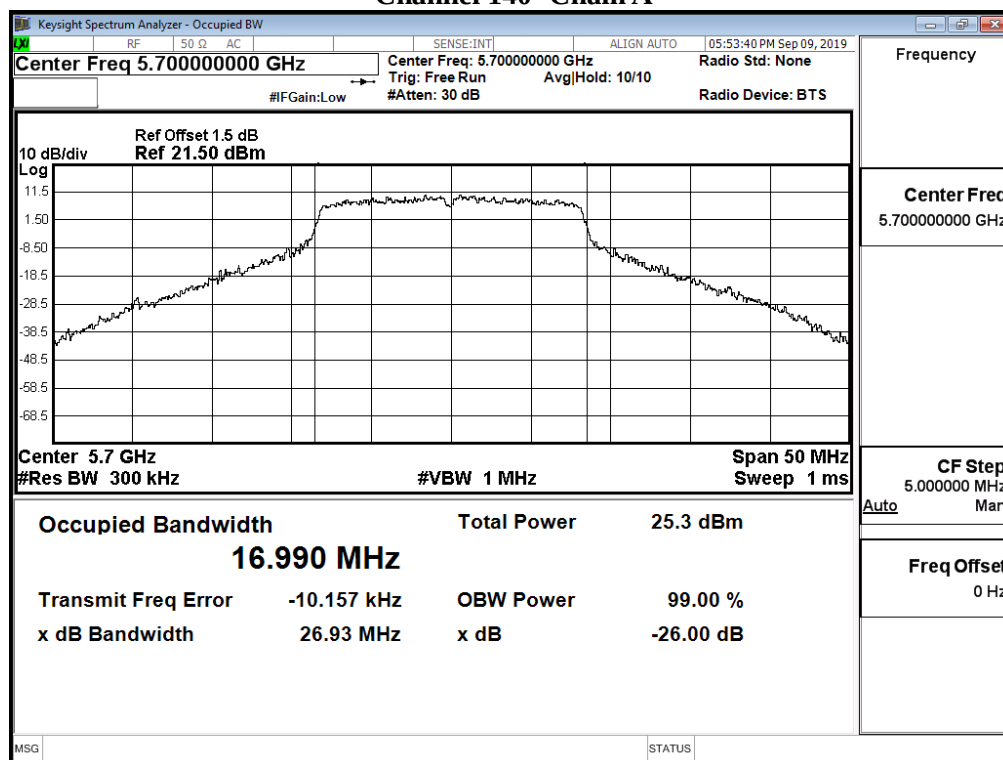
## Channel 100 -Chain A



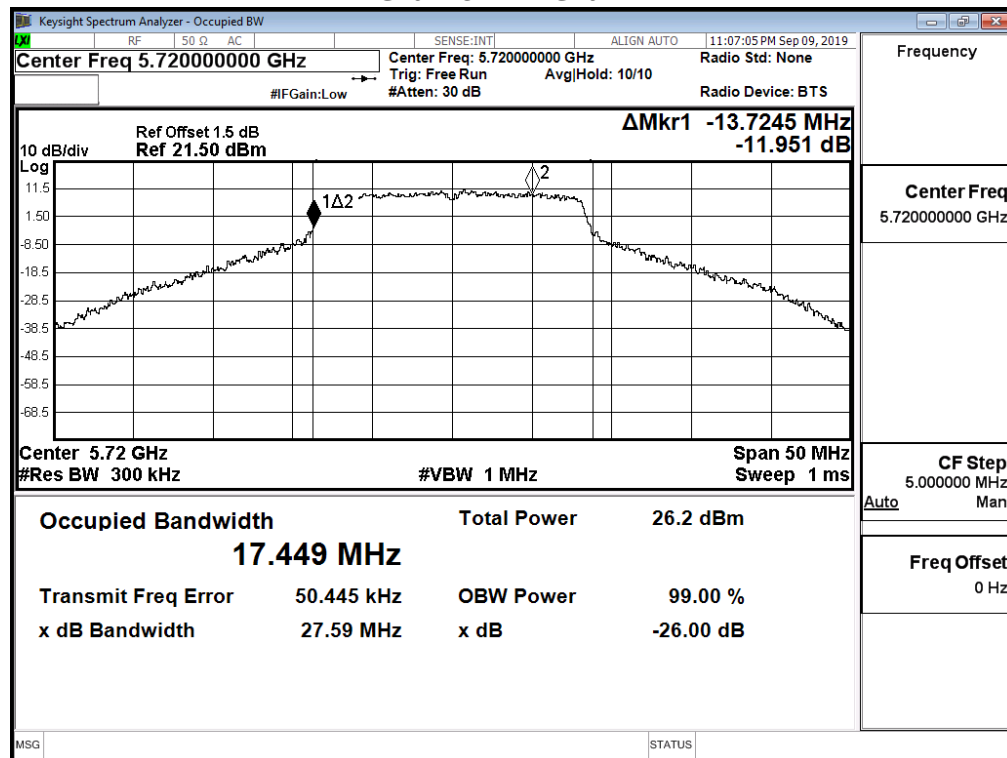
## Channel 116 -Chain A



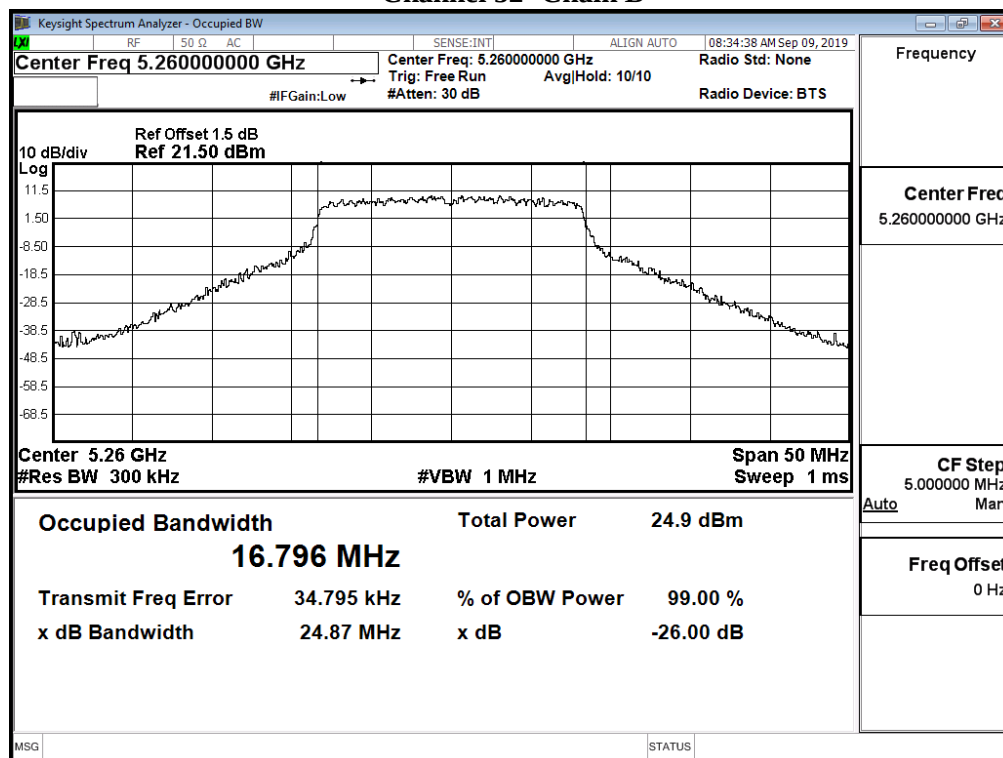
## Channel 140 -Chain A



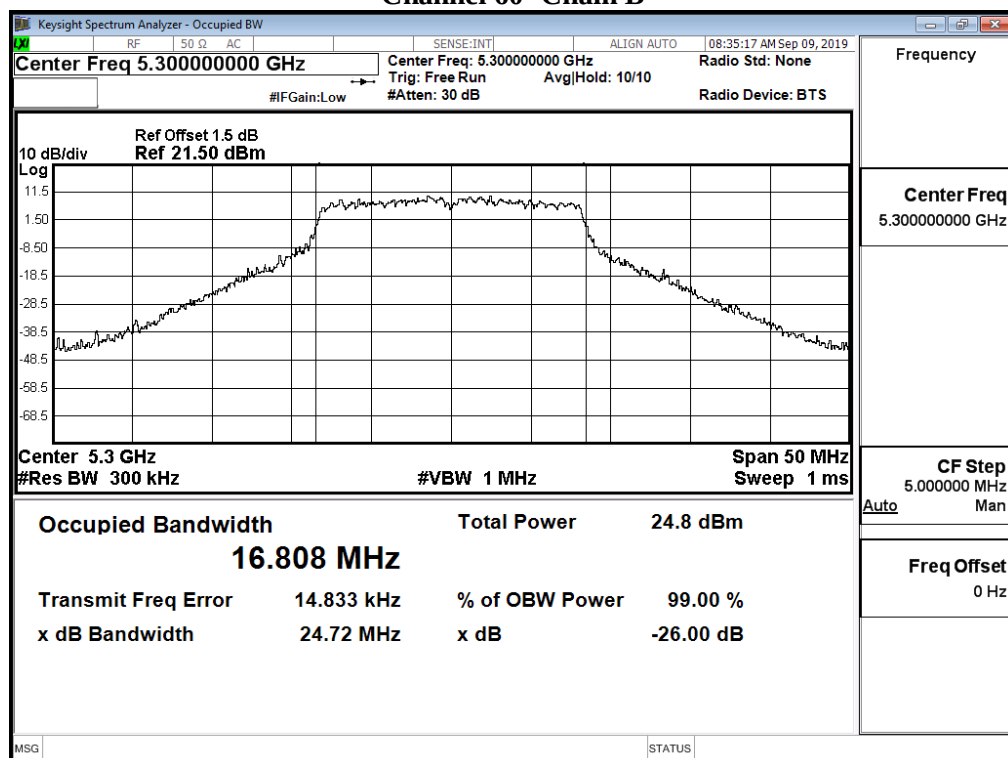
## Channel 144 -Chain A



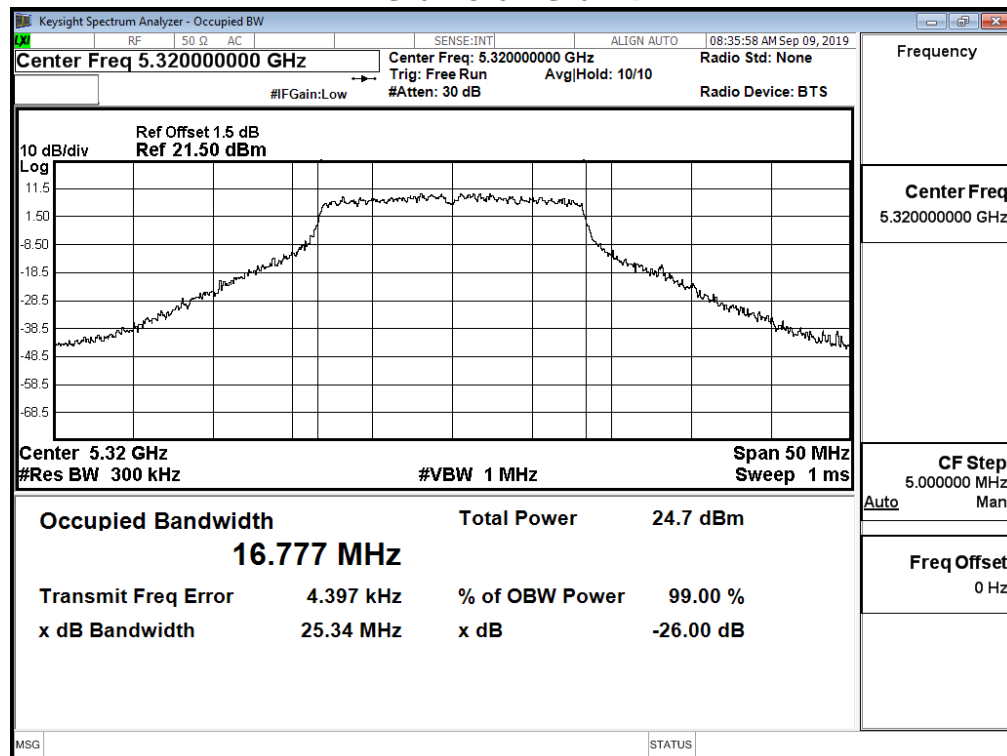
## Channel 52 -Chain B



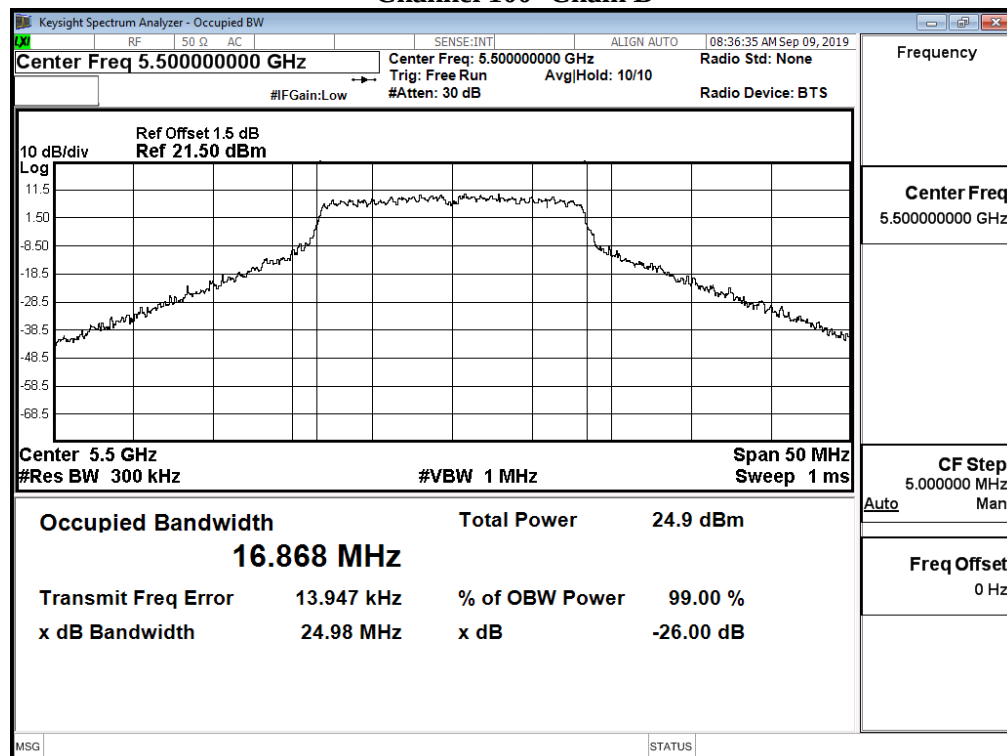
## Channel 60 -Chain B



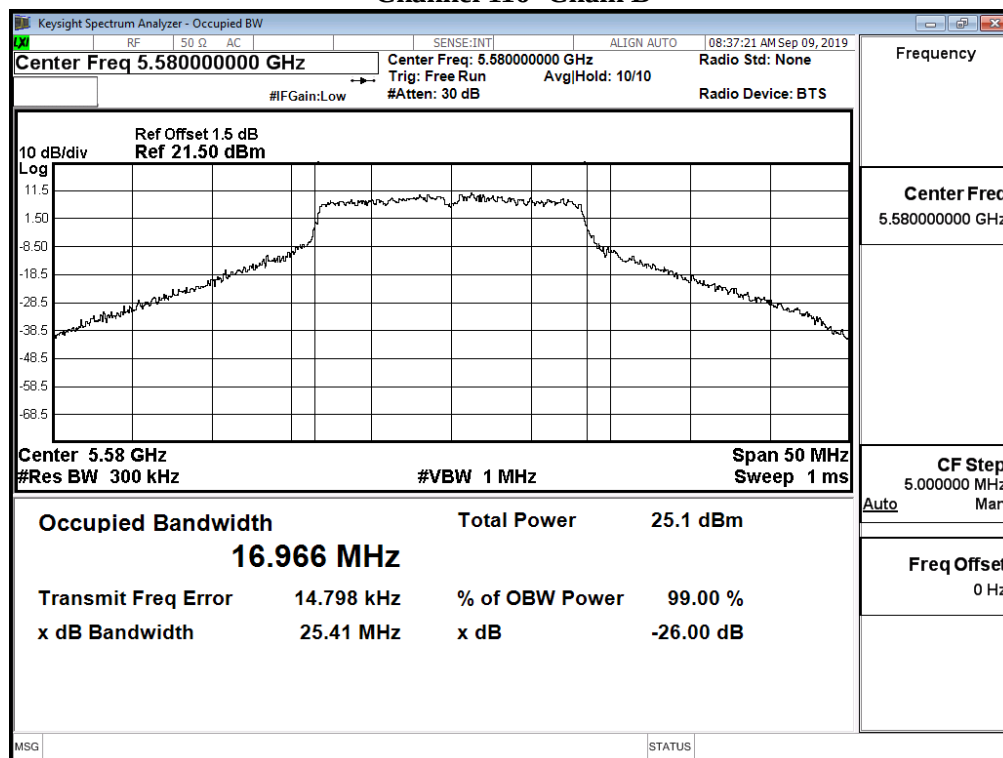
## Channel 64 -Chain B



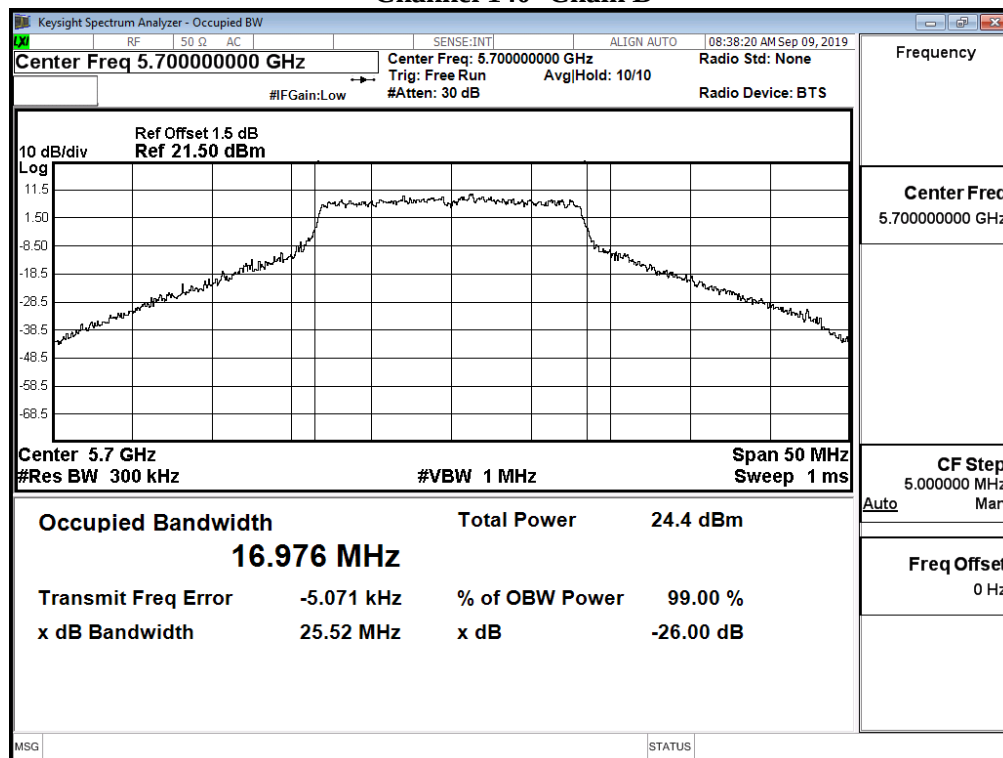
## Channel 100 -Chain B



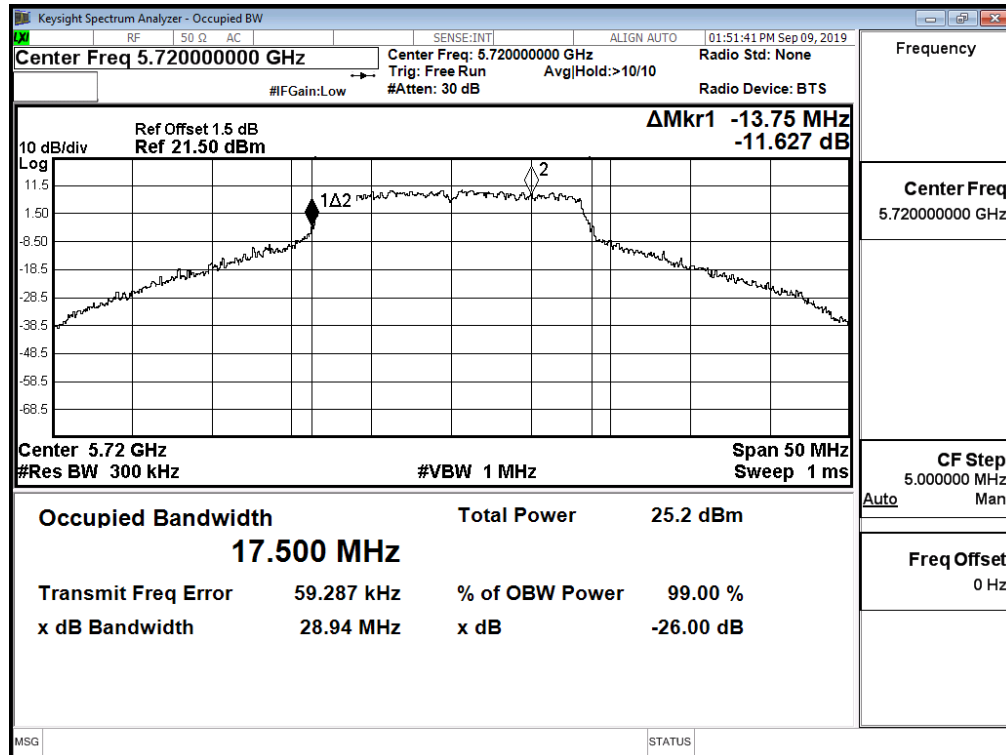
## Channel 116 -Chain B



## 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

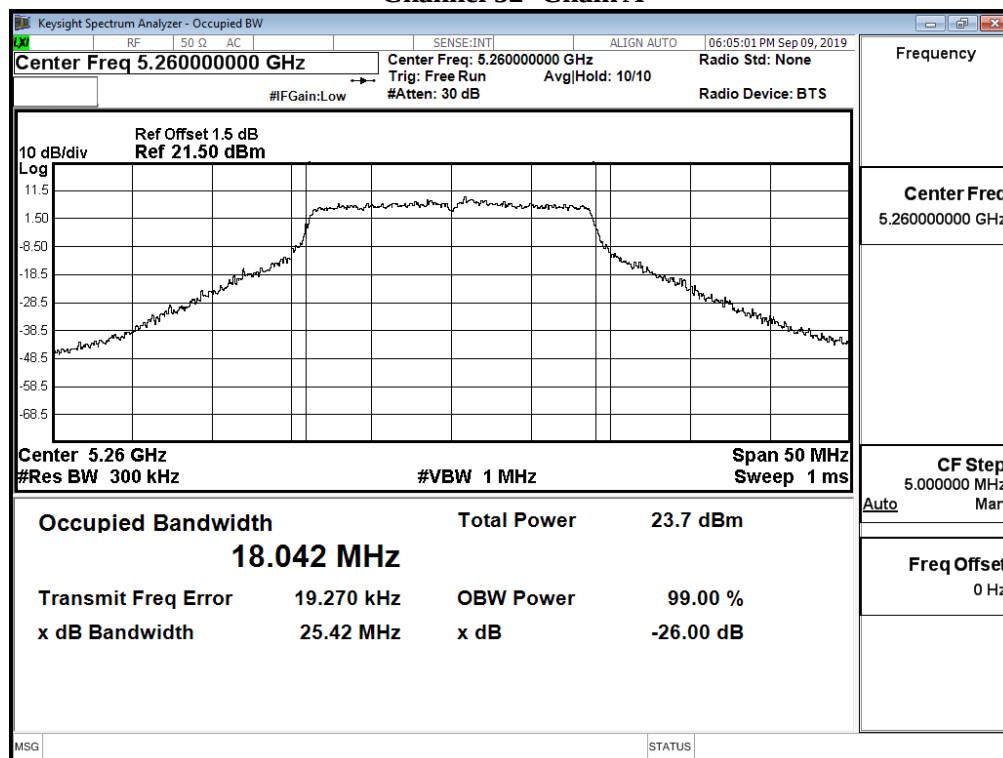
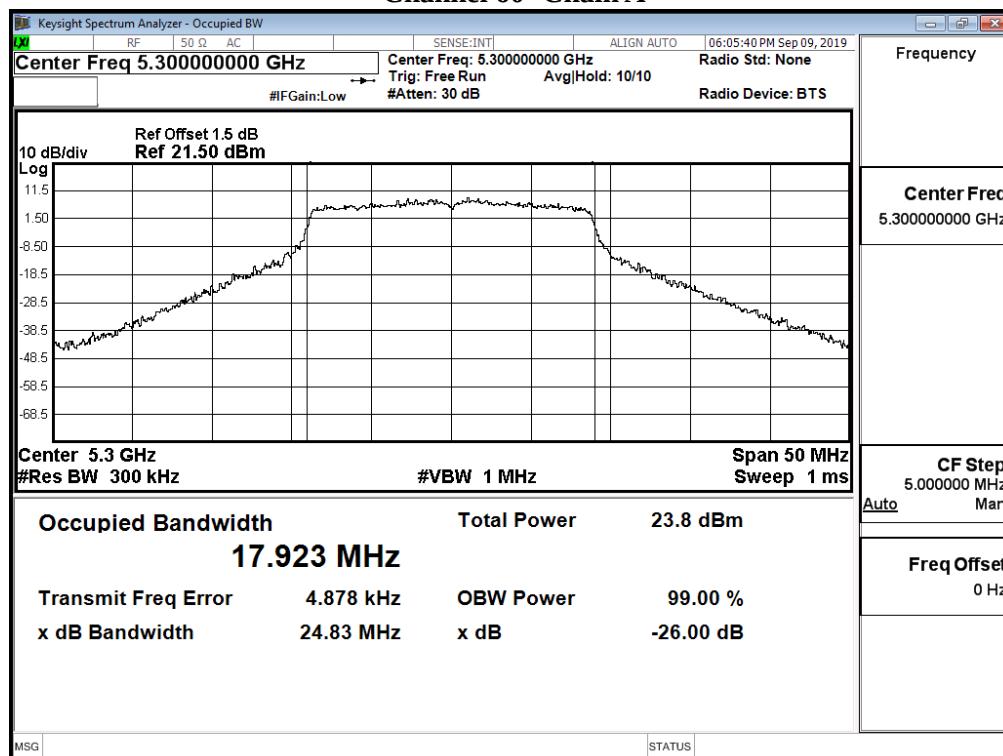
**Maximum conducted output power Measurement:****(CHAIN A+ B)**

| Channel Number | Frequency | 99% Bandwidth | Chain A Power | Chain B Power | Output Power | Output Power Limit |               |
|----------------|-----------|---------------|---------------|---------------|--------------|--------------------|---------------|
|                | (MHz)     | (MHz)         | (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                 | --            |

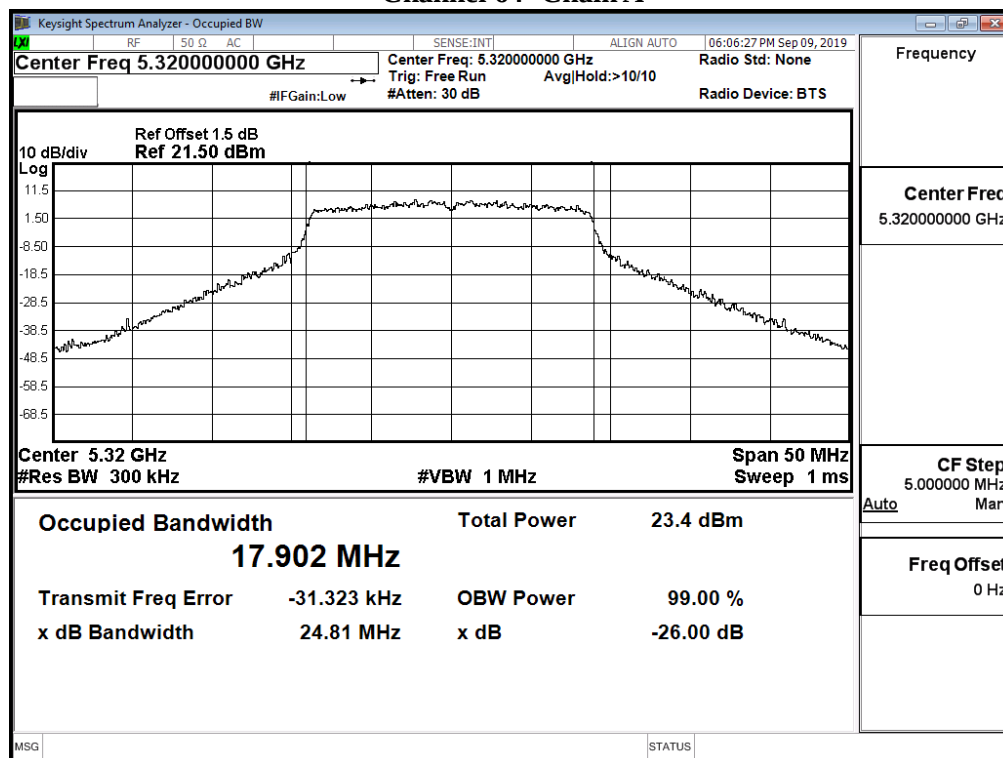
Note:

1. Power Output Value =Reading value on average power meter + cable loss
2. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))

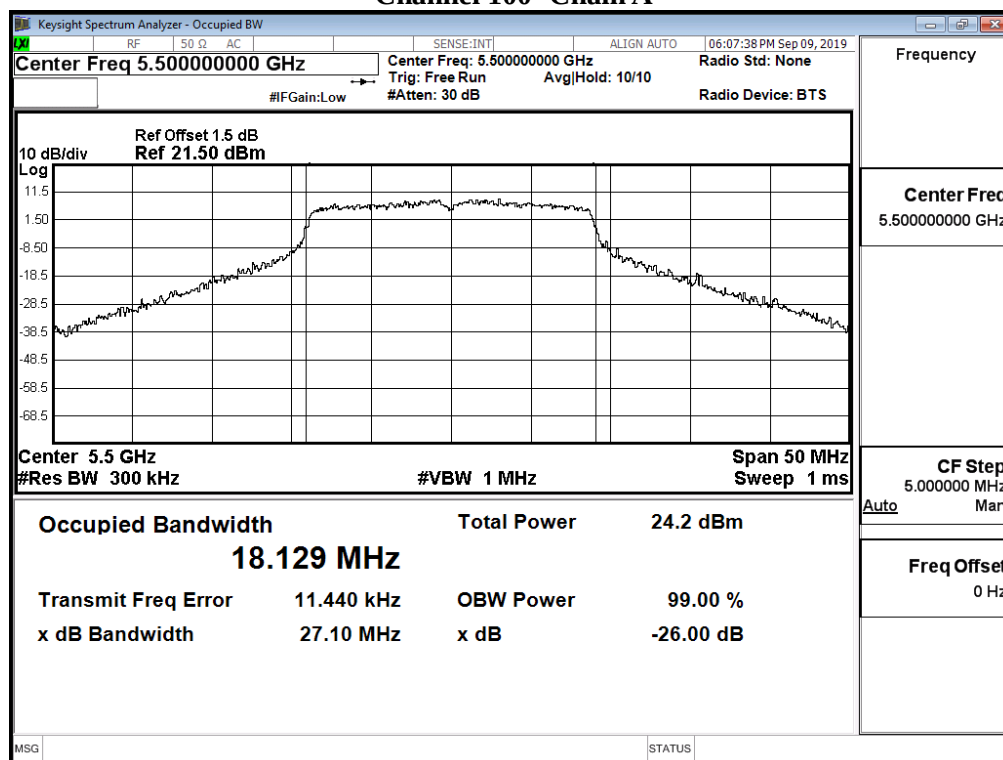
26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

**99% Occupied Bandwidth:****Channel 52 -Chain A****Channel 60 -Chain A**

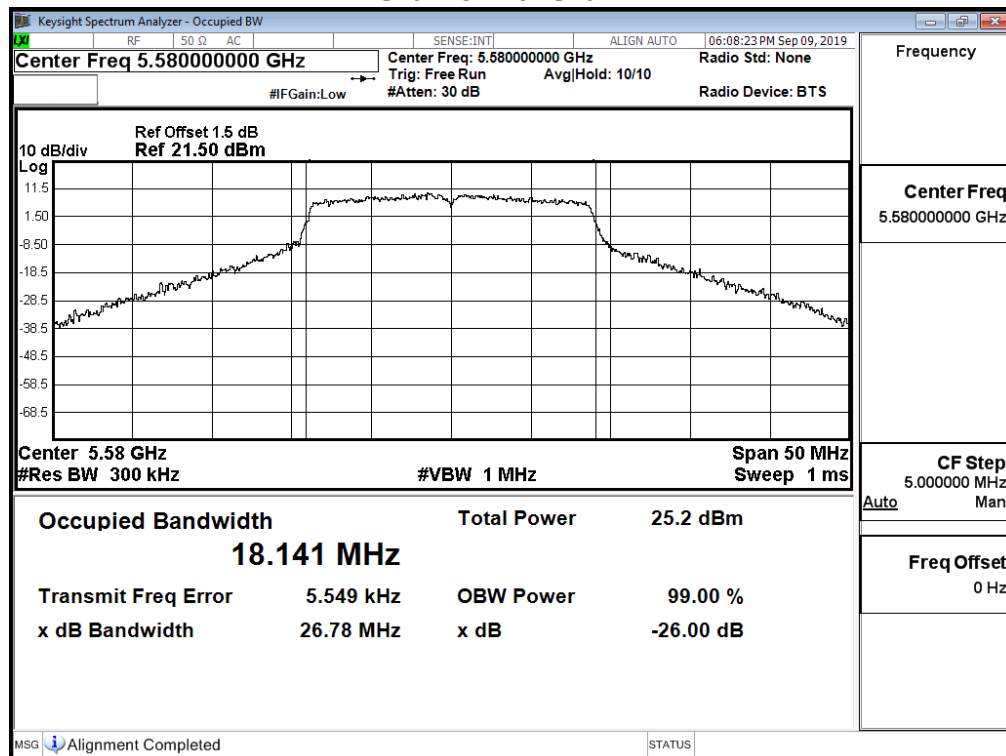
## Channel 64 -Chain A



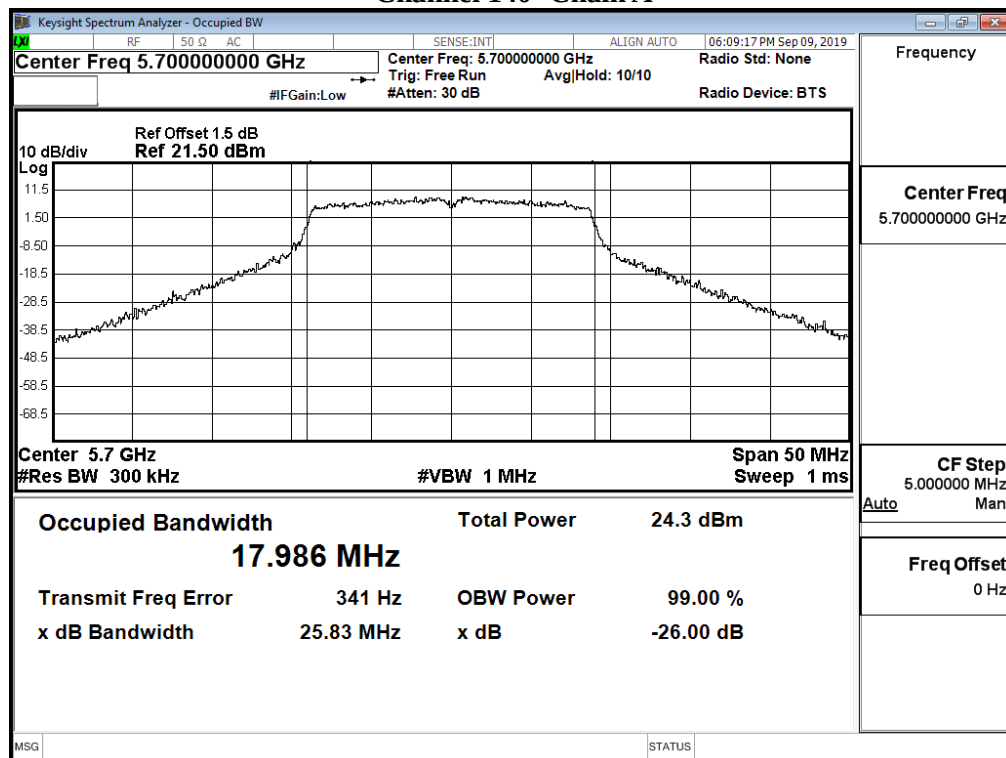
## Channel 100 -Chain A



## Channel 116 -Chain A



## Channel 140 -Chain A



Keysight Spectrum Analyzer - Occupied BW

Center Freq 5.72000000 GHz

Center Freq: 5.720000000 GHz  
 Trig: Free Run  
 #Atten: 30 dB

11:00:17 PM Sep 09, 2019

Radio Std: None

Radio Device: BTS

#FGain: Low

Ref Offset 1.5 dB  
 Ref 21.50 dBm

$\Delta$ Mkr1 -14 MHz  
 -8.204 dB

10 dB/div

Center 5.72 GHz  
 #Res BW 300 kHz

#VBW 1 MHz

Span 50 MHz  
 Sweep 1 ms

Occupied Bandwidth

18.00 MHz

Total Power

25.2 dBm

Transmit Freq Error

6.728 kHz

OBW Power

99.00 %

x dB Bandwidth

25.87 MHz

x dB

-26.00 dB

Frequency

Center Freq

5.720000000 GHz

CF Step

5.000000 MHz

Auto

Man

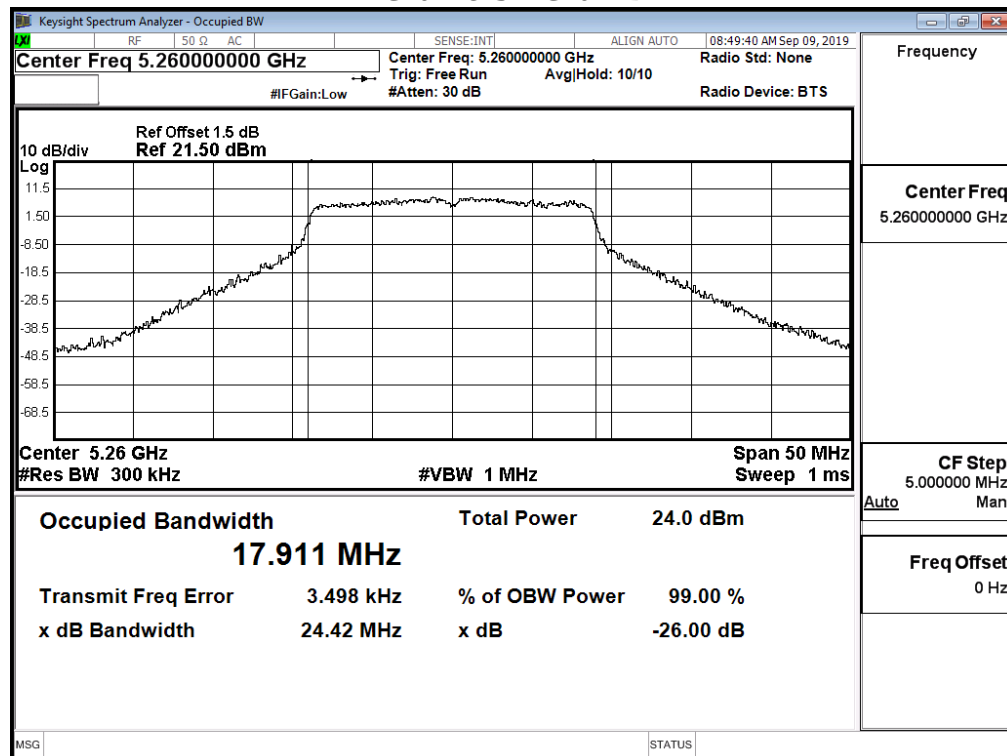
Freq Offset

0 Hz

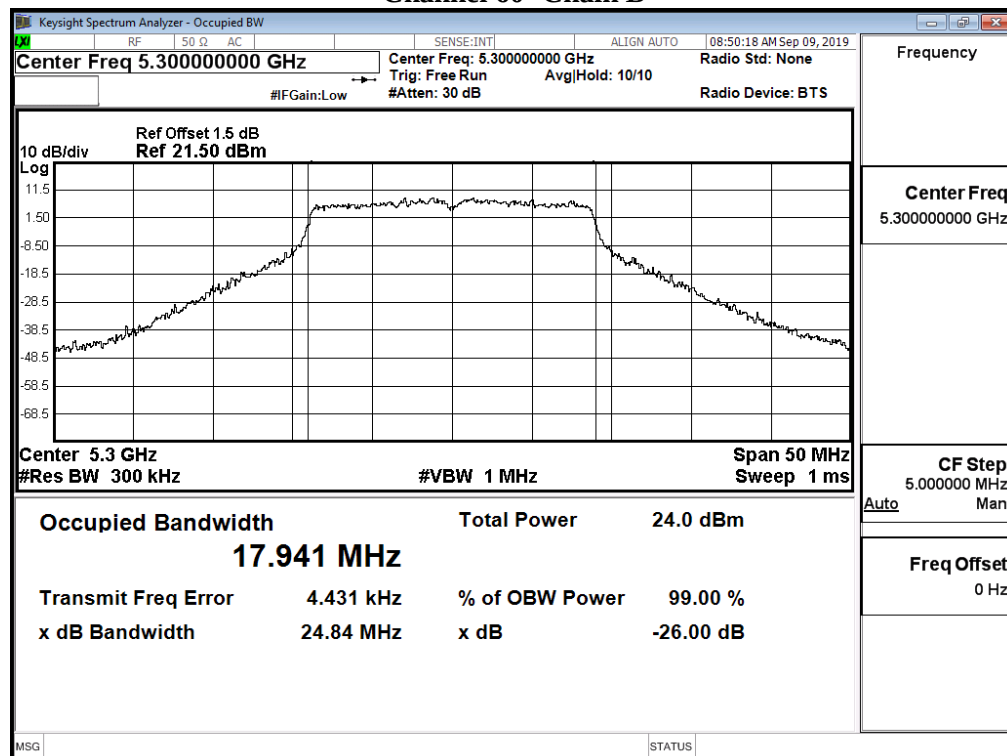
MSG

STATUS

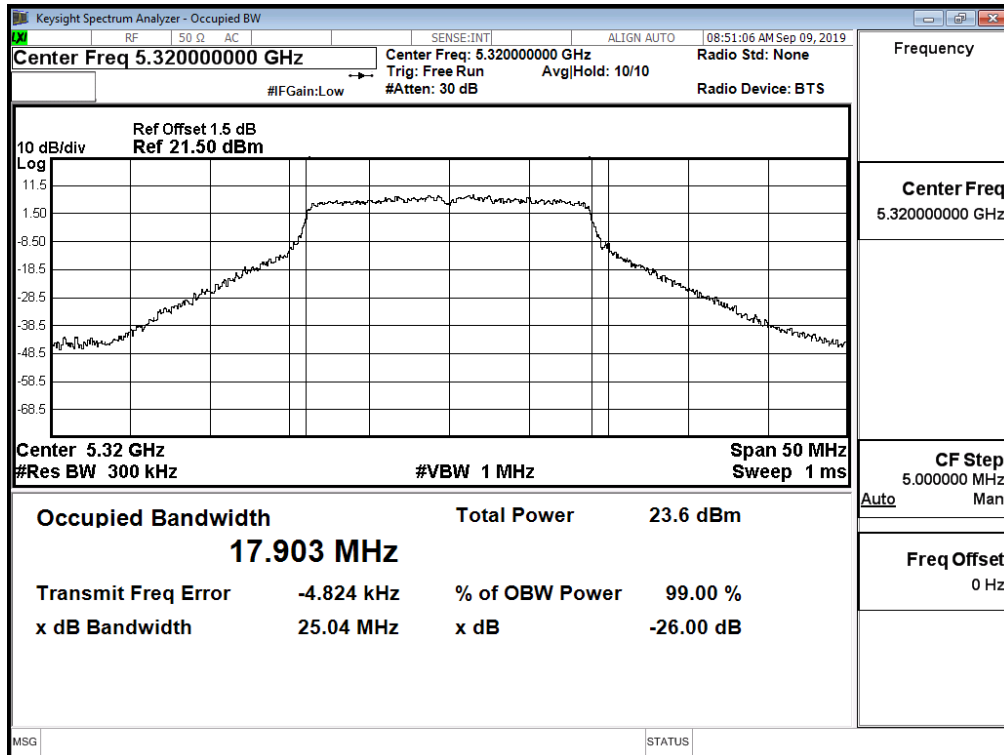
## Channel 52 -Chain B



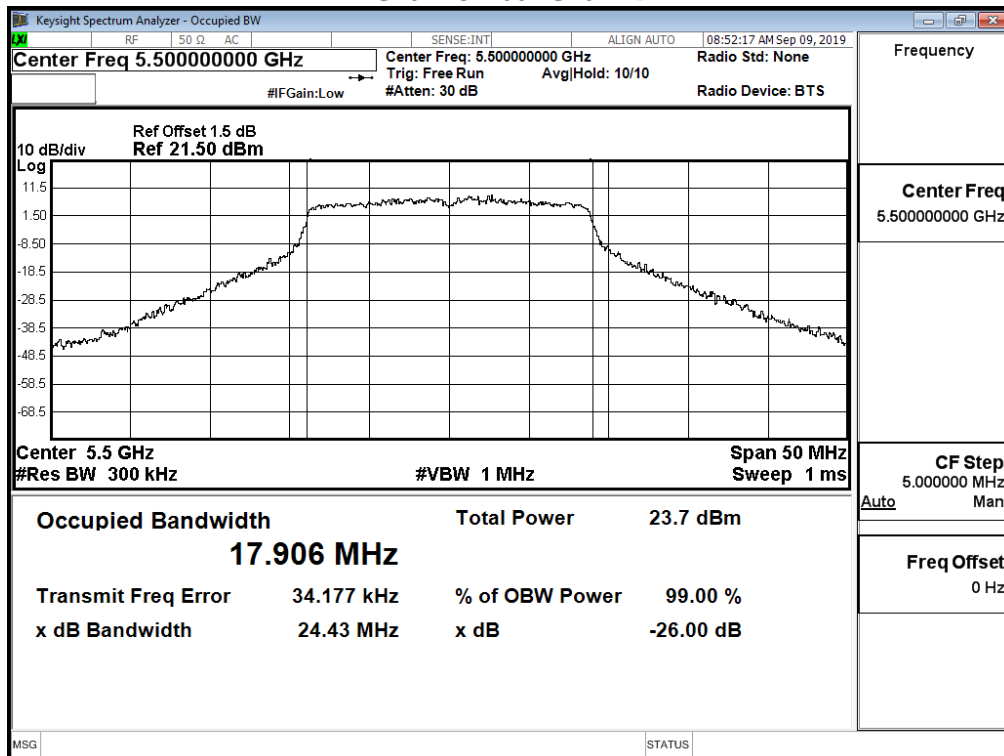
## Channel 60 -Chain B



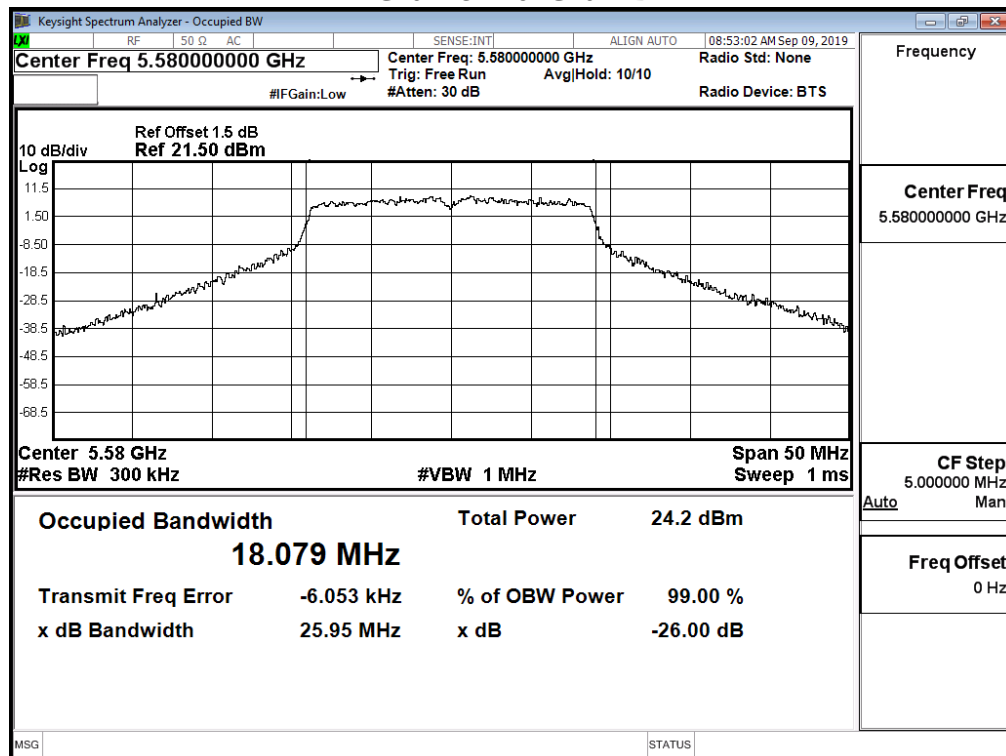
## Channel 64 -Chain B



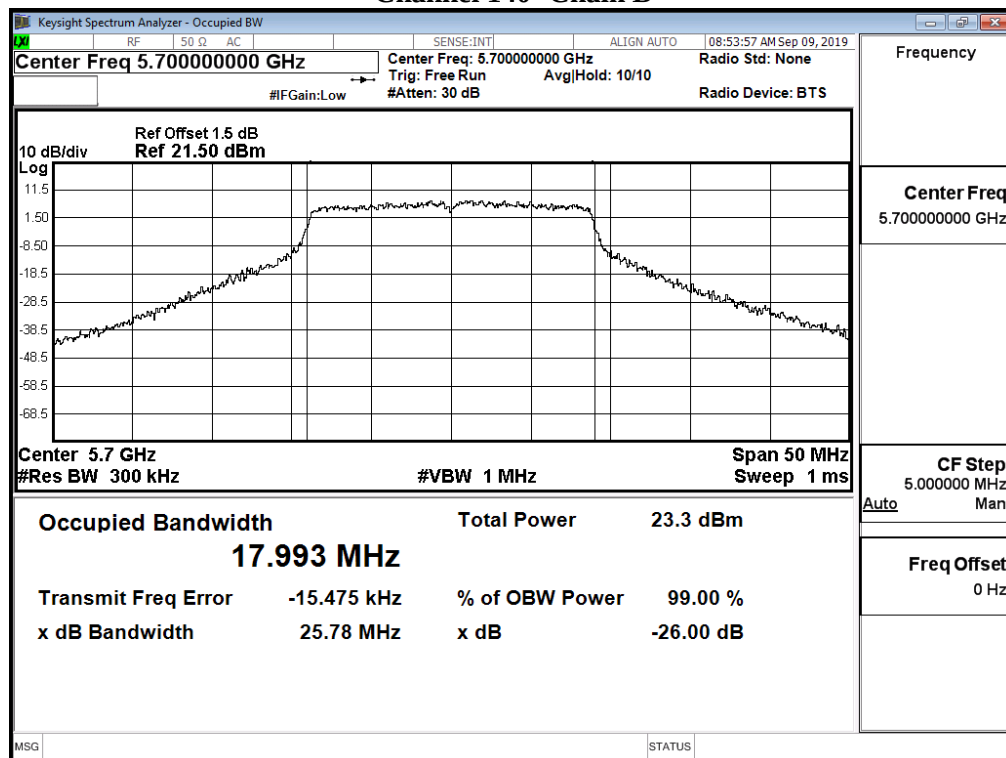
## Channel 100 -Chain B



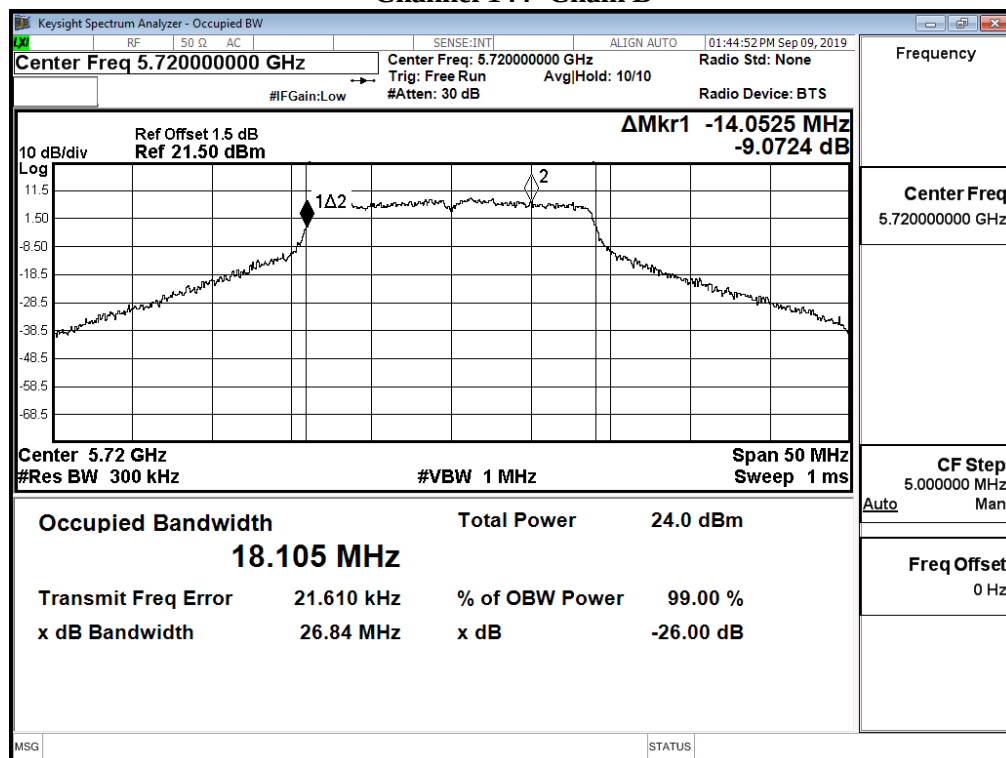
## Channel 116 -Chain B



## 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<br>(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         |

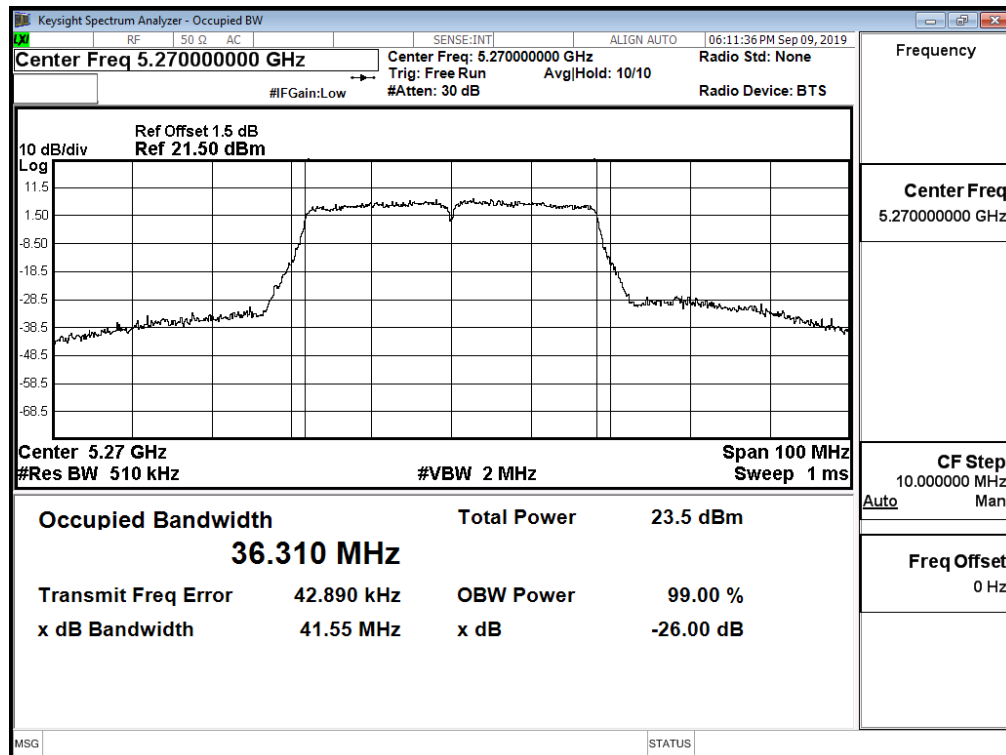
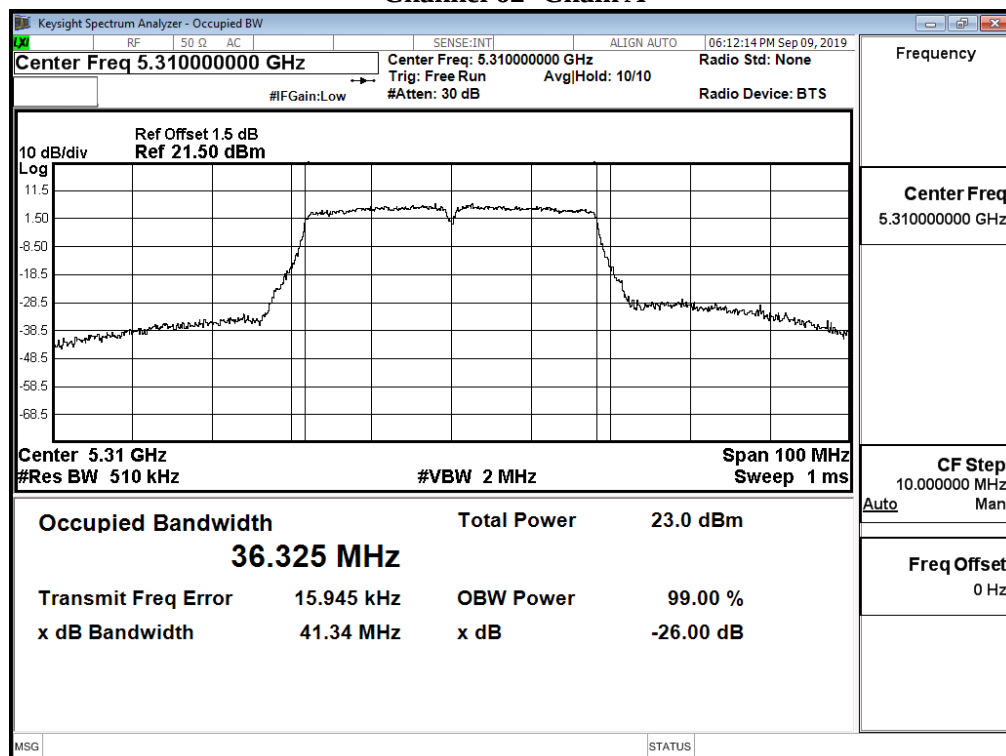
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

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

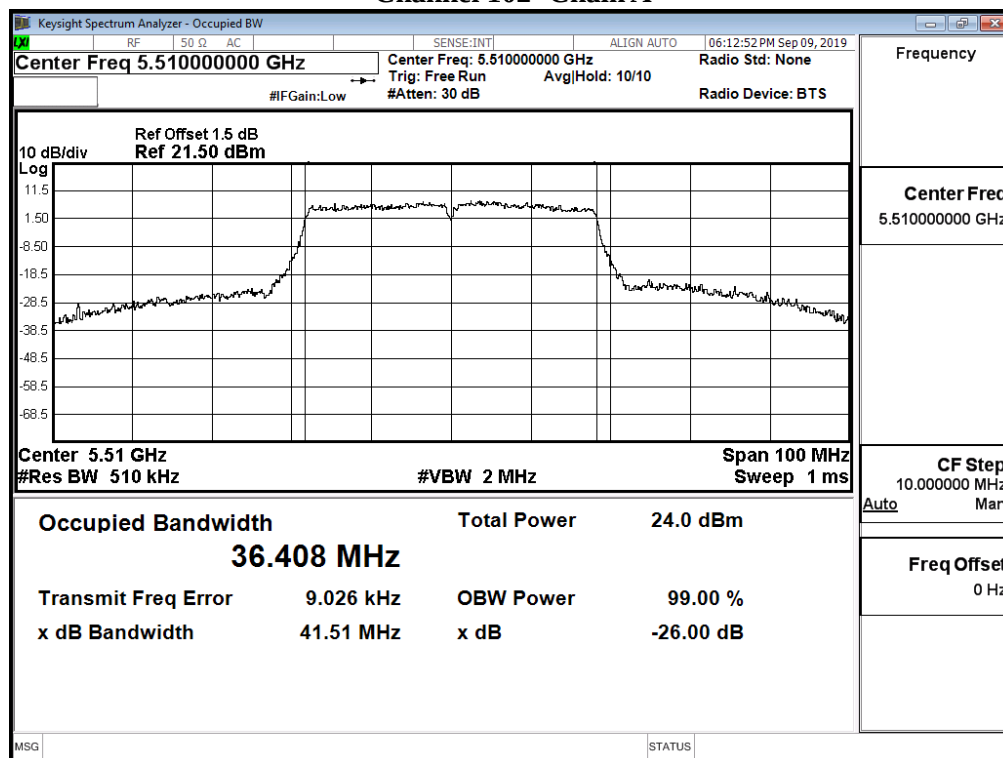
| Channel Number | Frequency | 99% Bandwidth | Chain A Power | Chain B Power | Output Power | Output Power Limit |               |
|----------------|-----------|---------------|---------------|---------------|--------------|--------------------|---------------|
|                | (MHz)     | (MHz)         | (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:

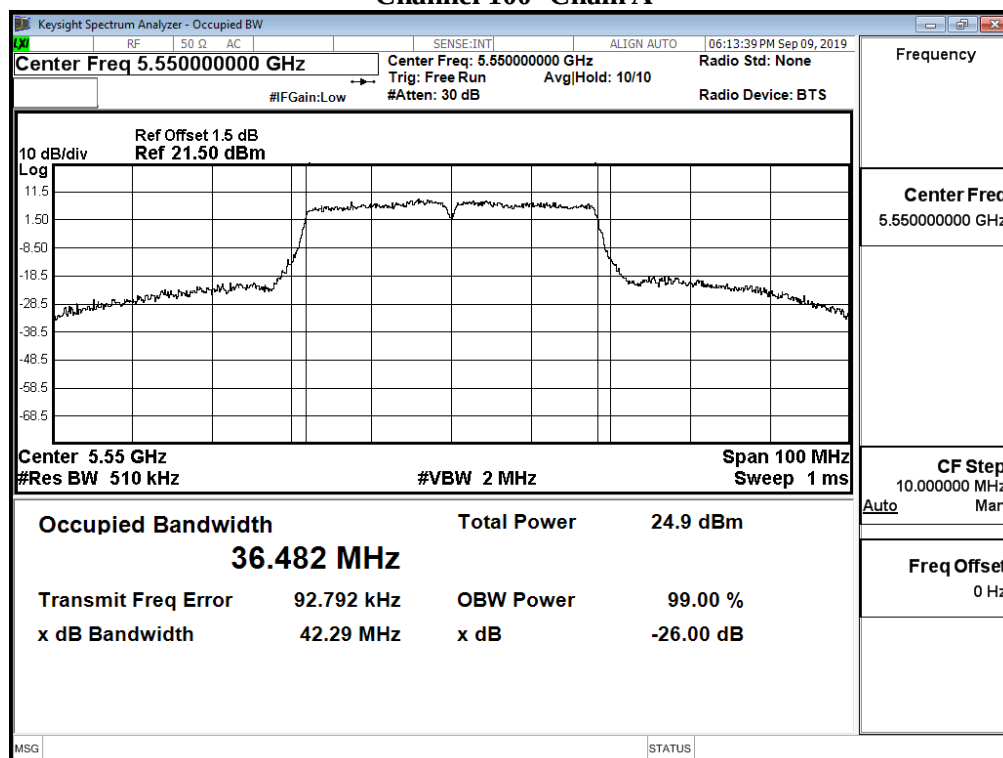
1. Power Output Value = Reading value on average power meter + cable loss
2. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))  
26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

**99% Occupied Bandwidth:****Channel 54 -Chain A****Channel 62 -Chain A**

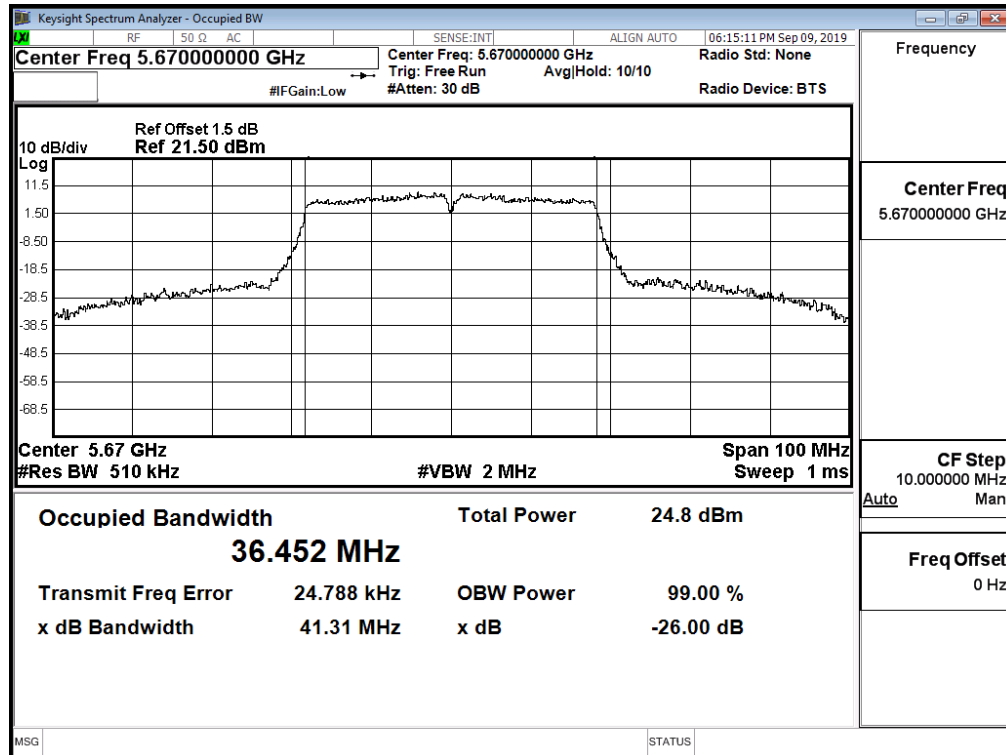
## Channel 102 -Chain A



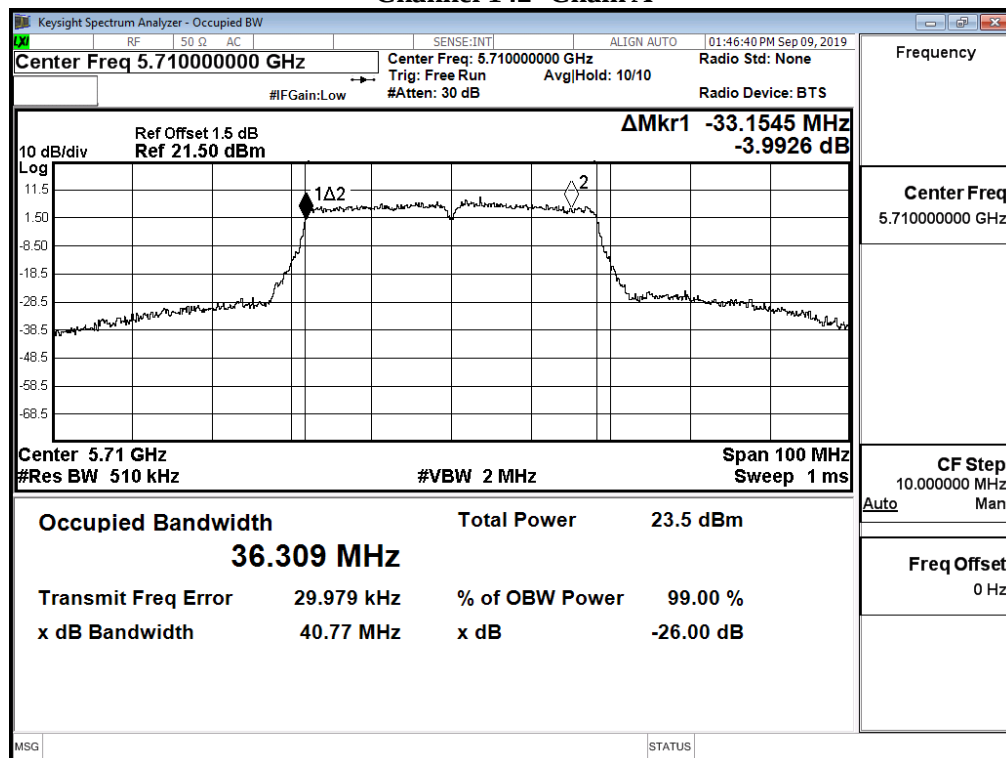
## Channel 100 -Chain A



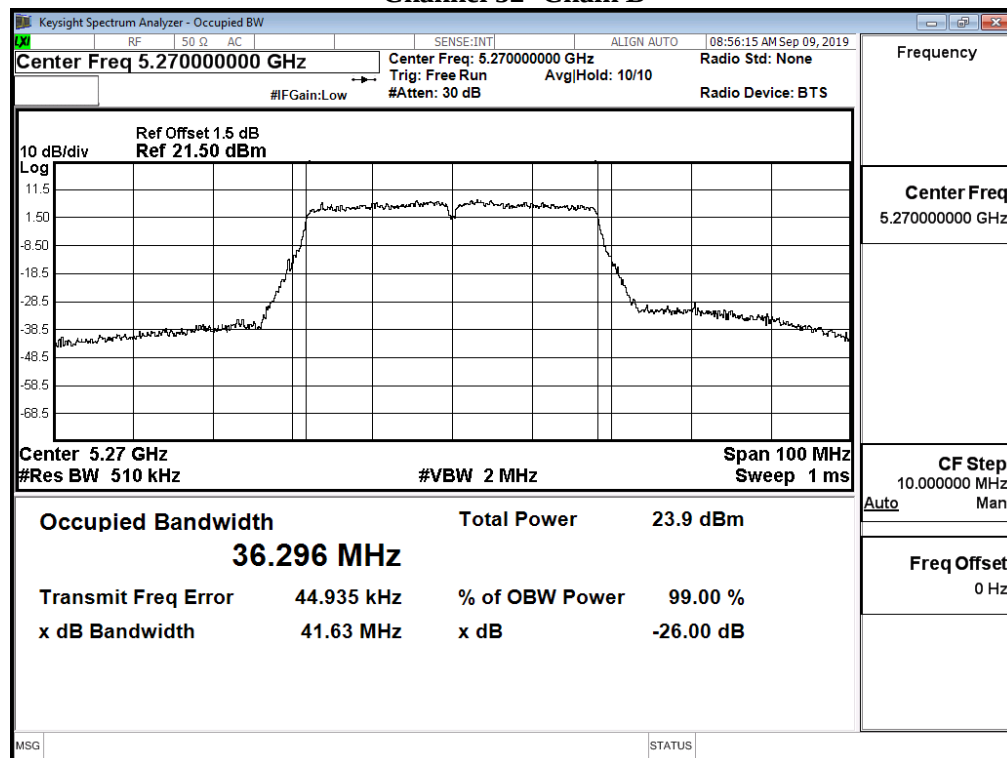
## Channel 116 -Chain A



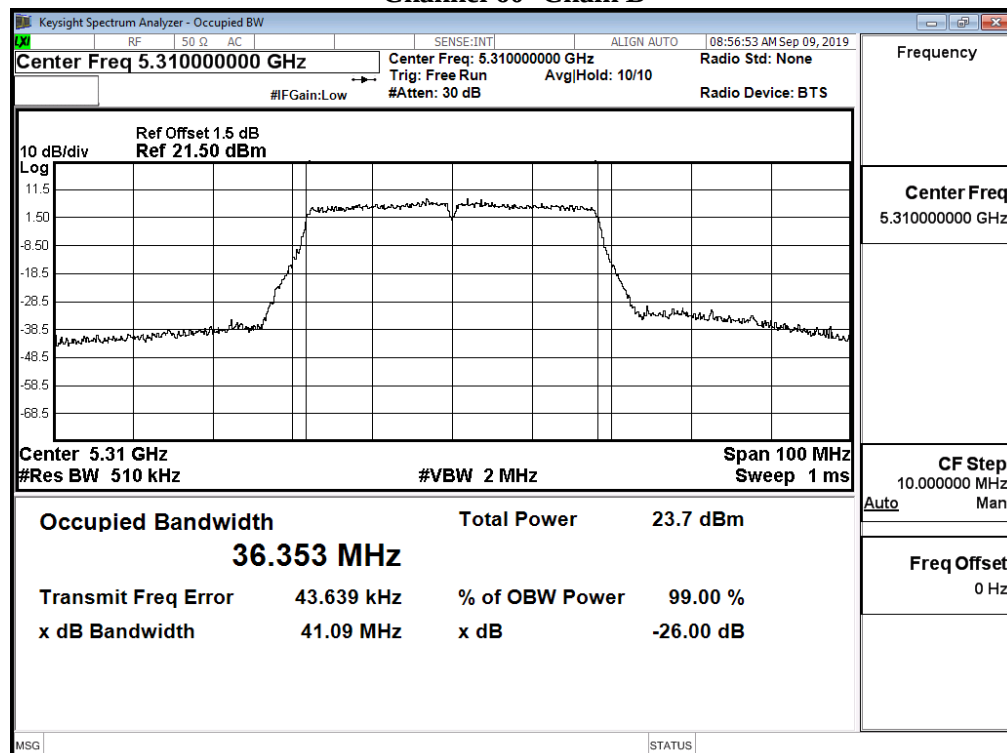
## Channel 142 -Chain A



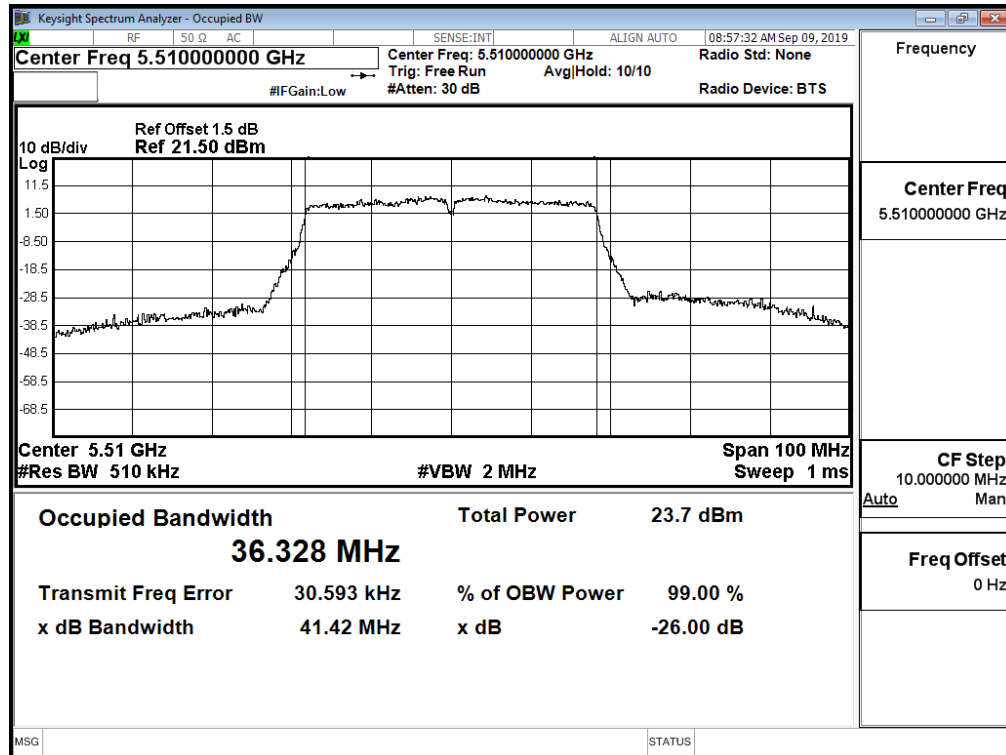
## Channel 52 -Chain B



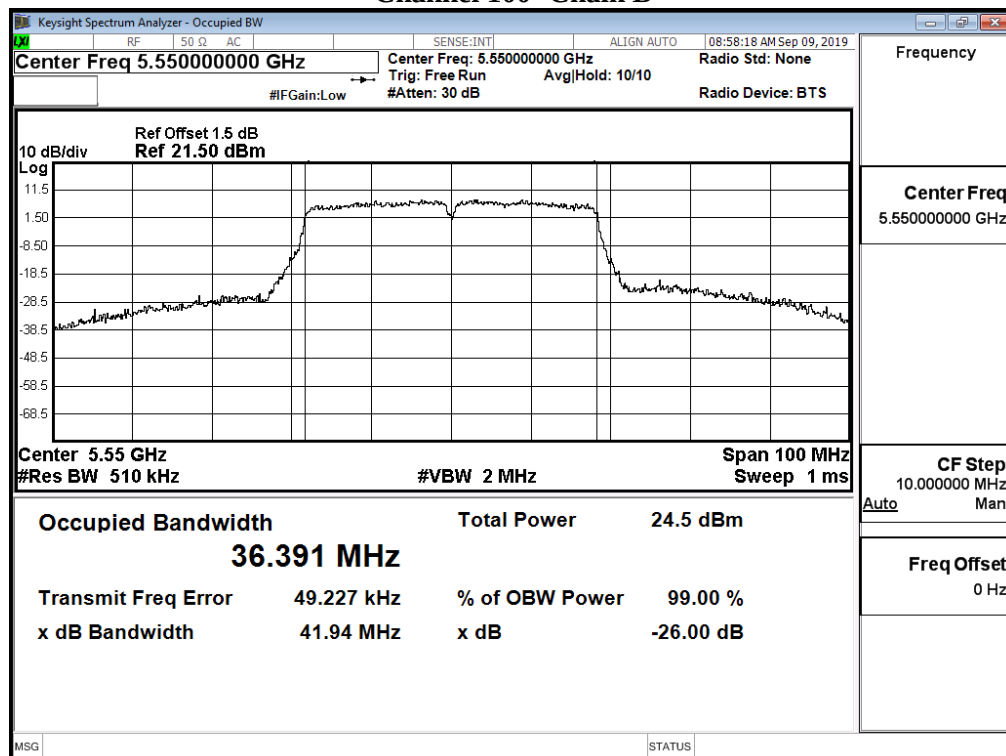
## Channel 60 -Chain B



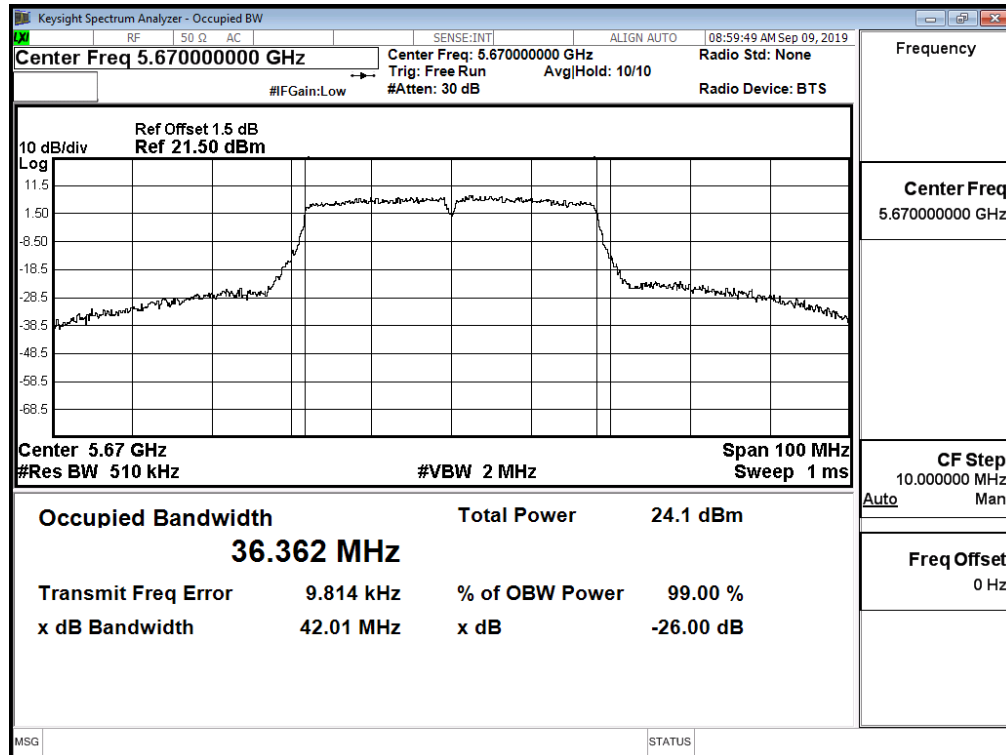
## Channel 64 -Chain B



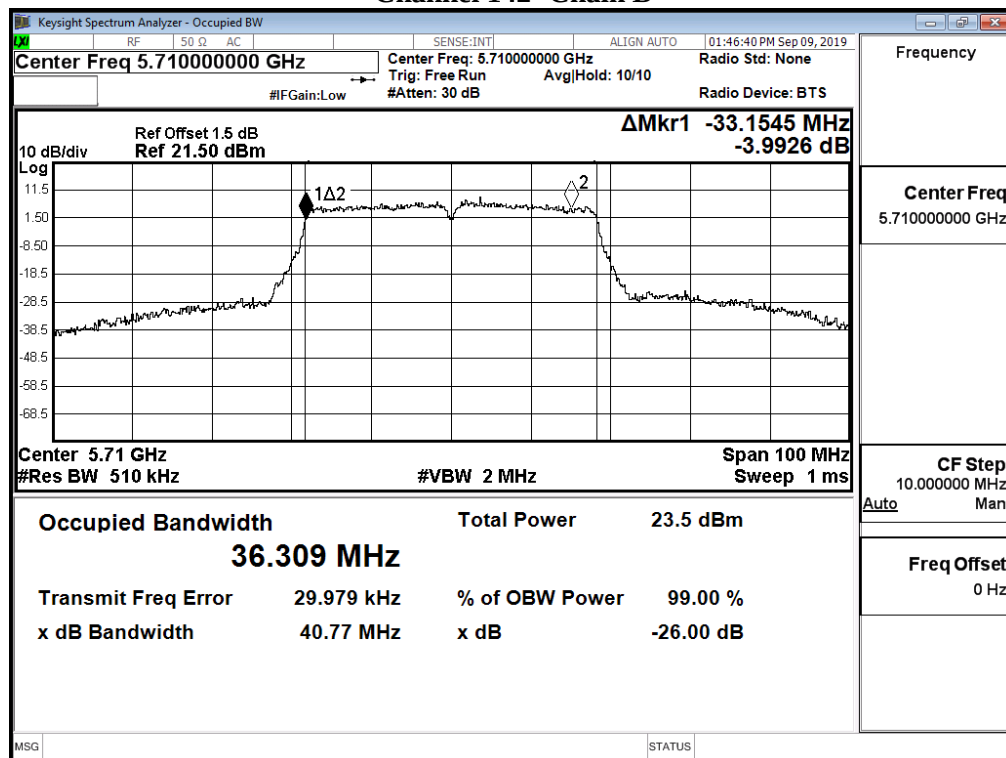
## Channel 100 -Chain B



## 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         |

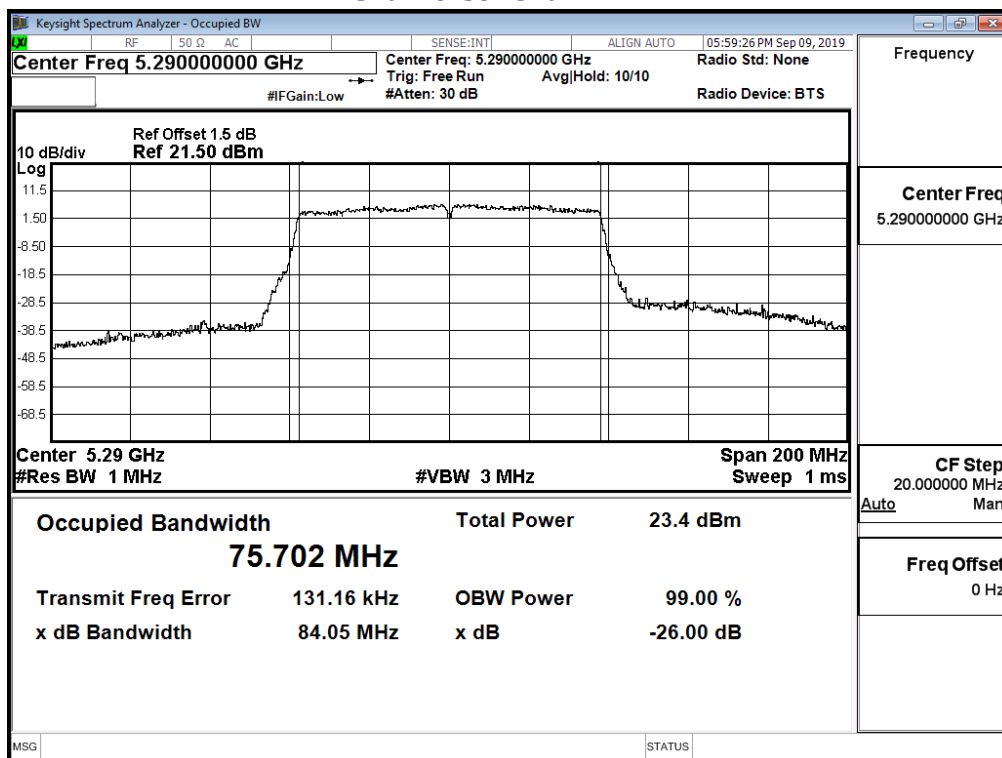
Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

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

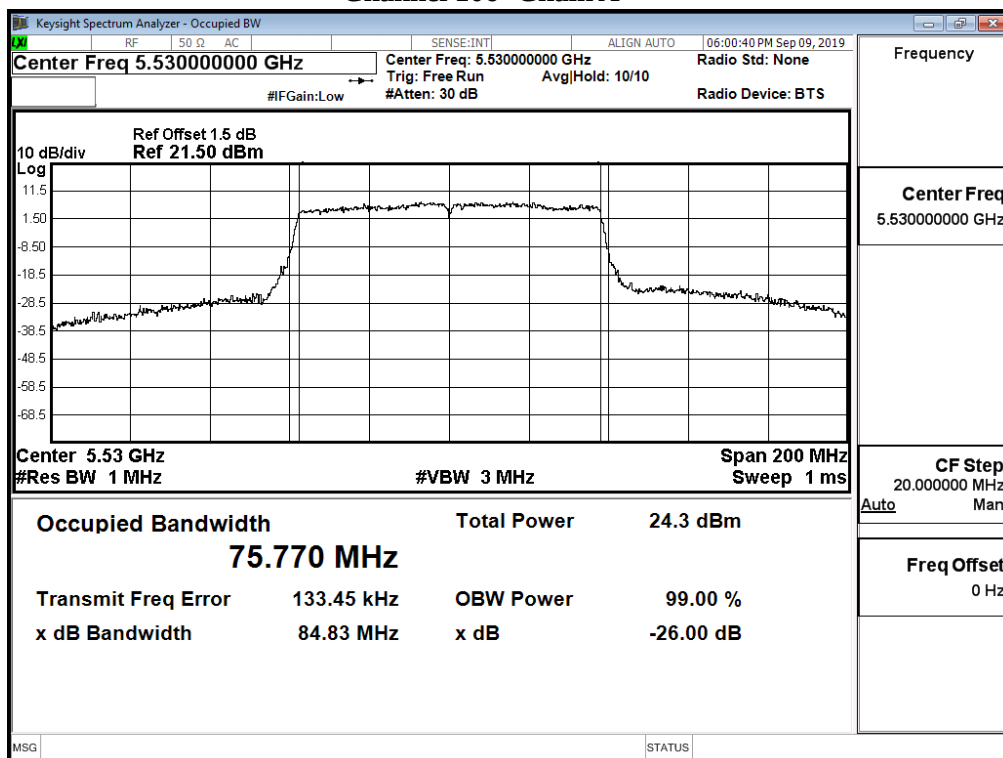
| Channel Number | Frequency Range | 99% Bandwidth | Chain A Power | Chain B Power | Output Power | Output Power Limit |               |
|----------------|-----------------|---------------|---------------|---------------|--------------|--------------------|---------------|
|                | (MHz)           | (MHz)         | (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:

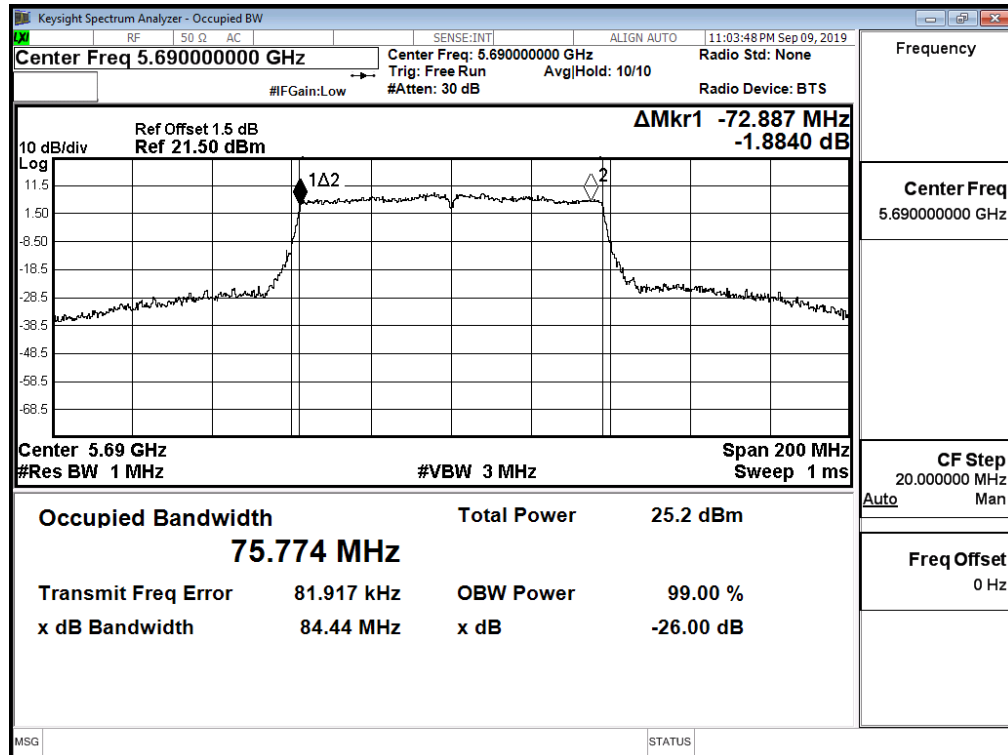
## Channel 58 -Chain A



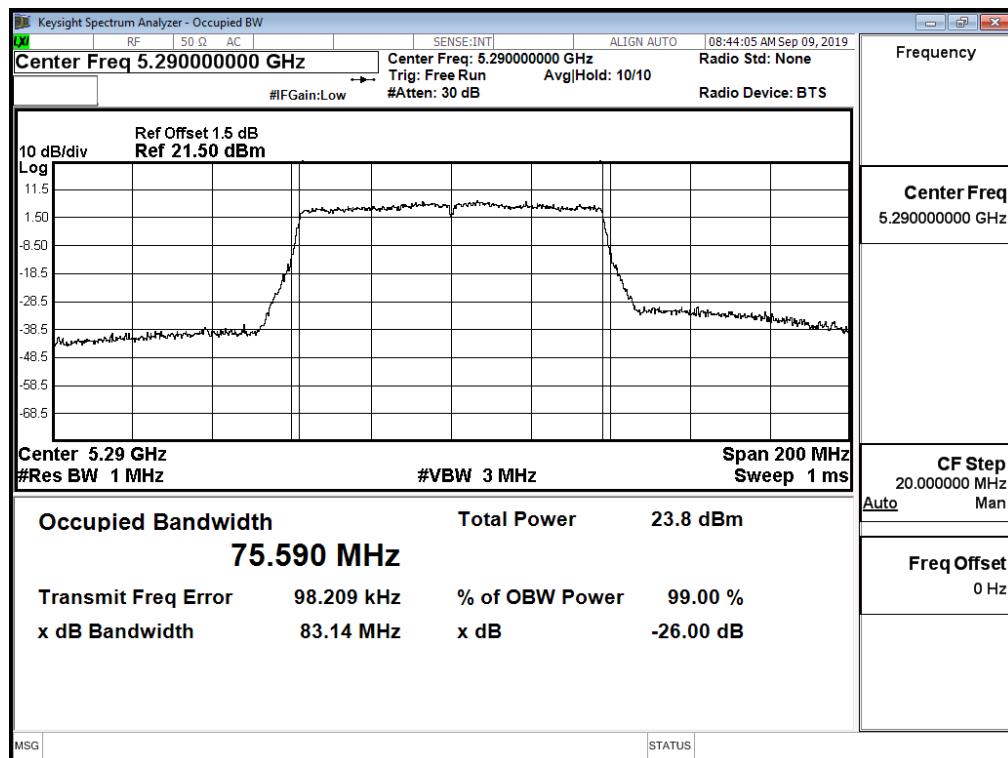
## Channel 106 -Chain A



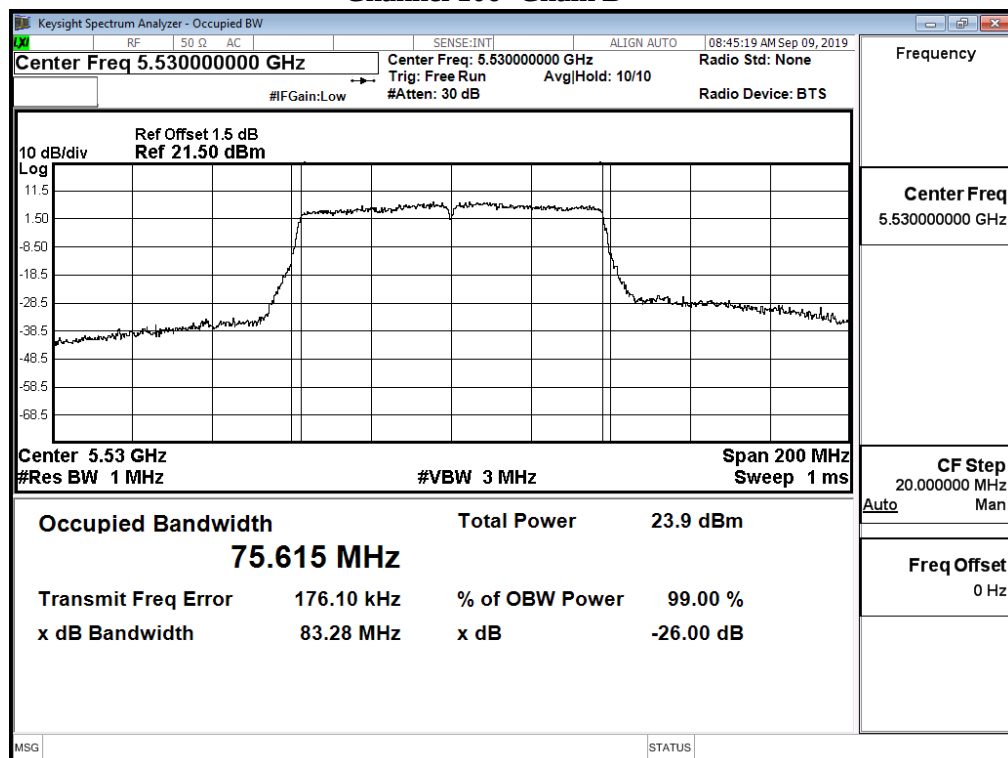
## Channel 138 -Chain A



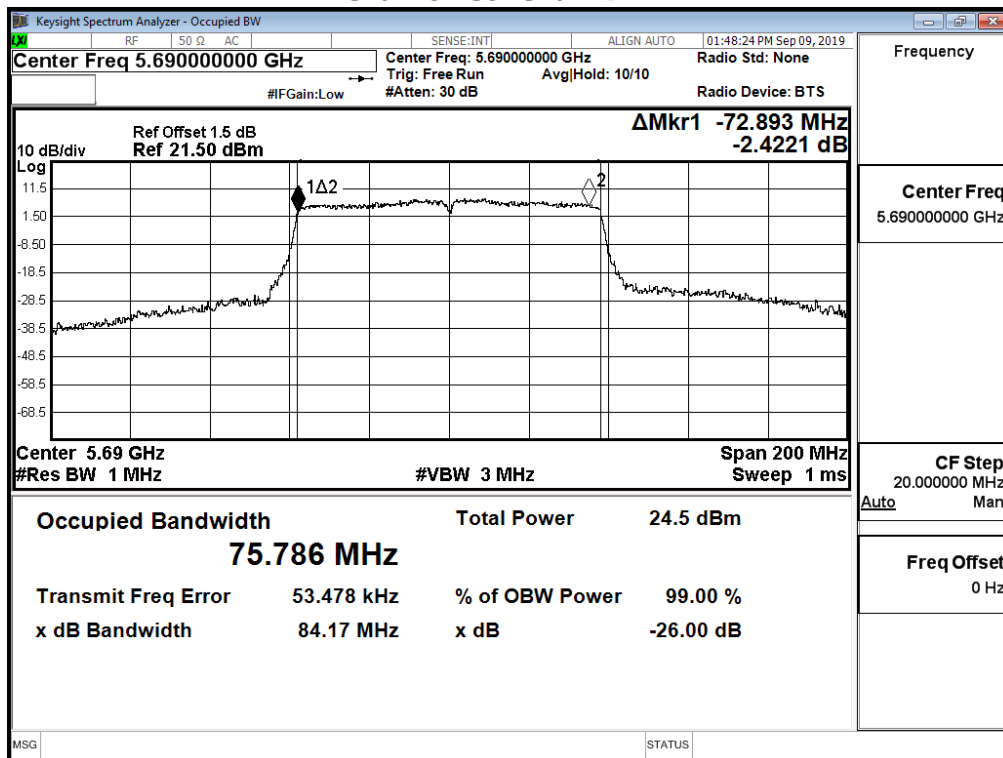
## Channel 58 -Chain B



## Channel 106 -Chain B

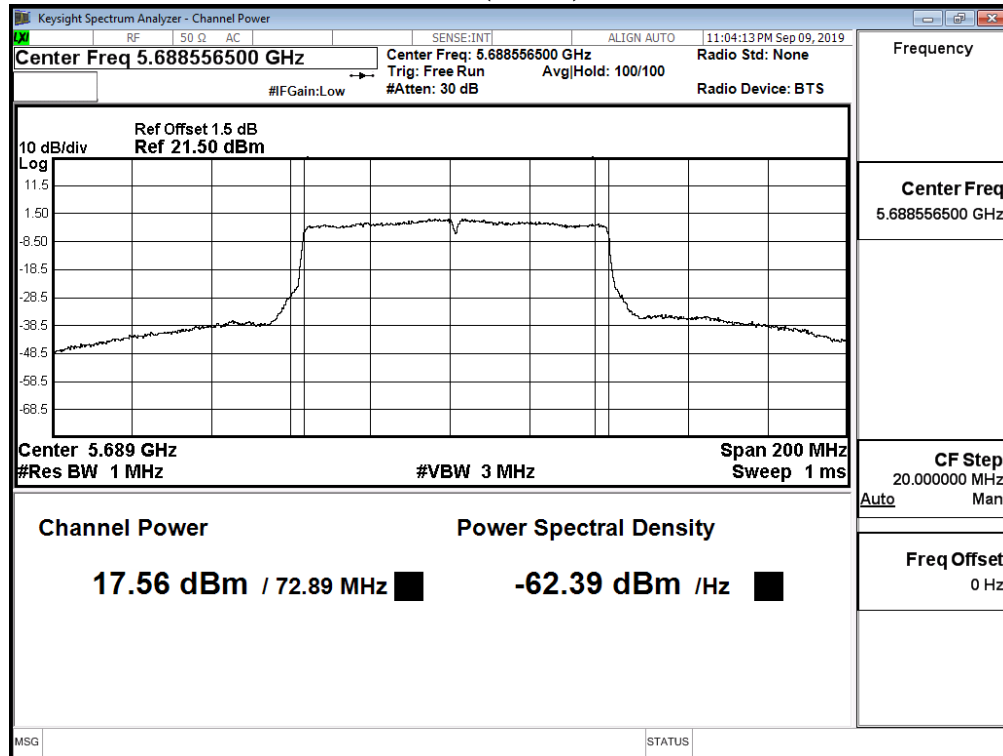


## Channel 138 -Chain B



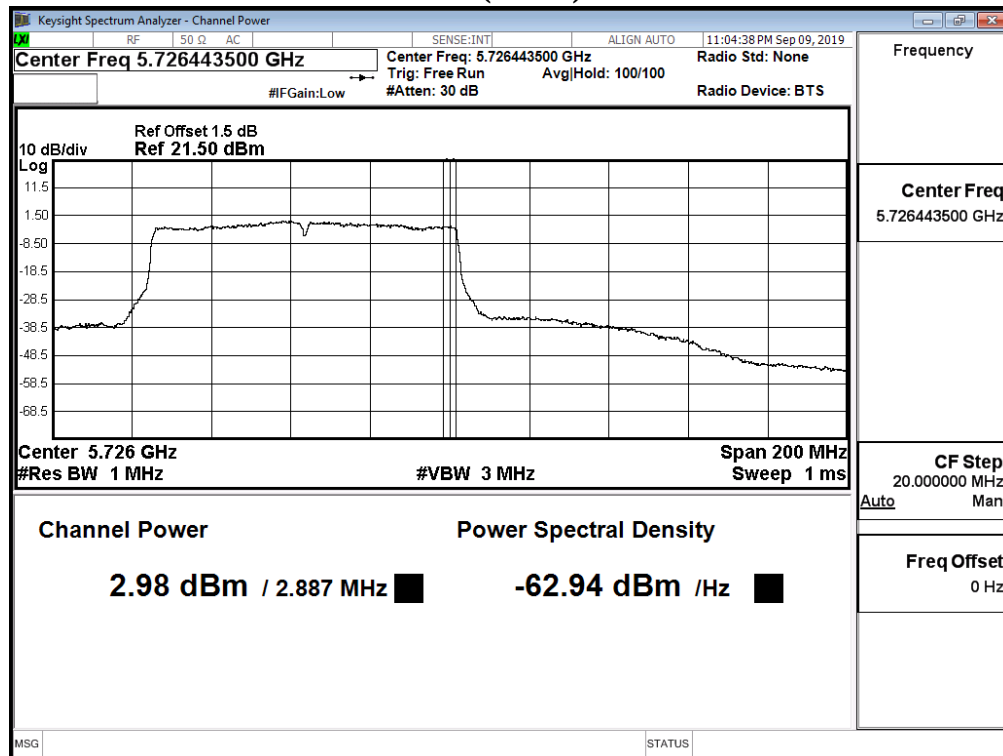
Maximum conducted output power:

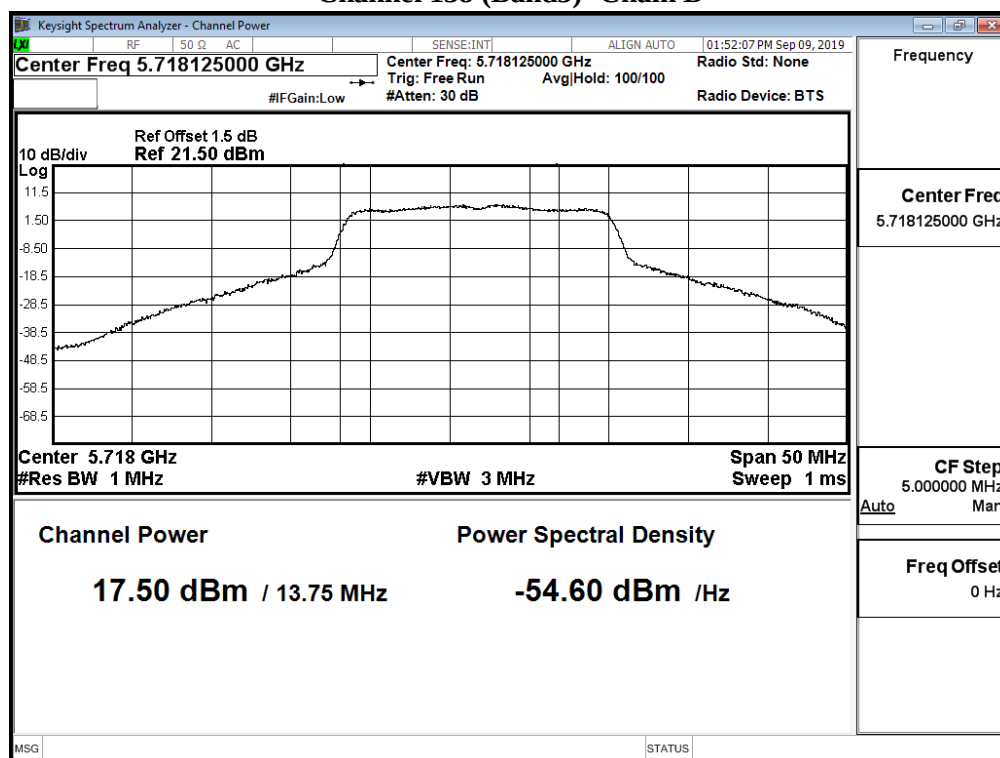
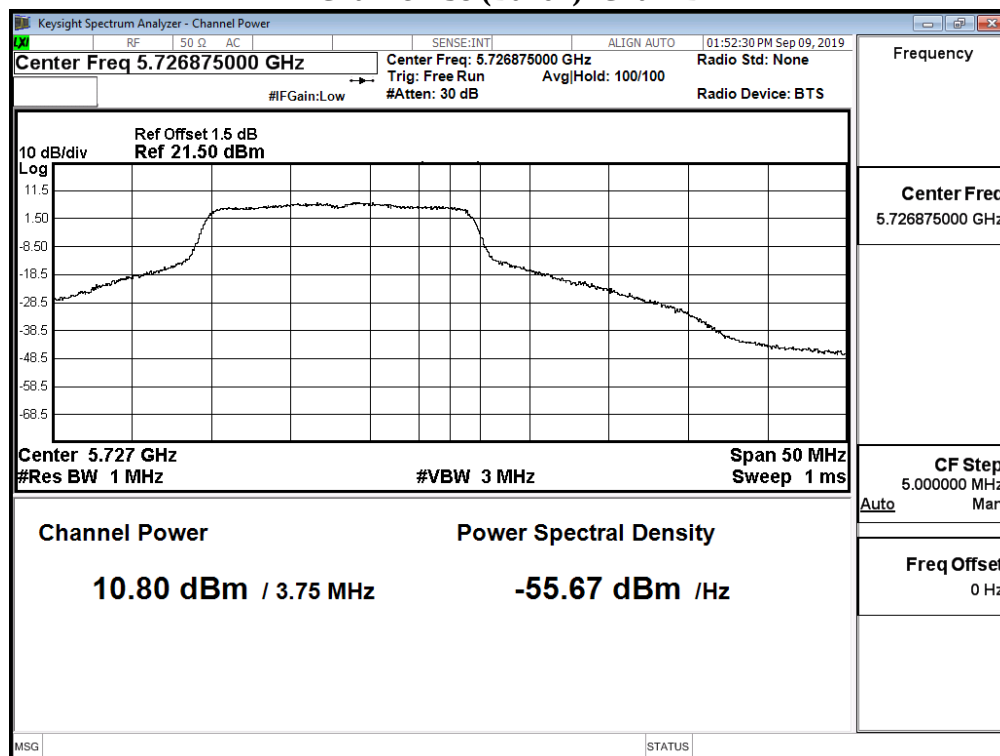
Channel 138 (Band3) -Chain A



Maximum conducted output power:

Channel 138 (Band4) -Chain A

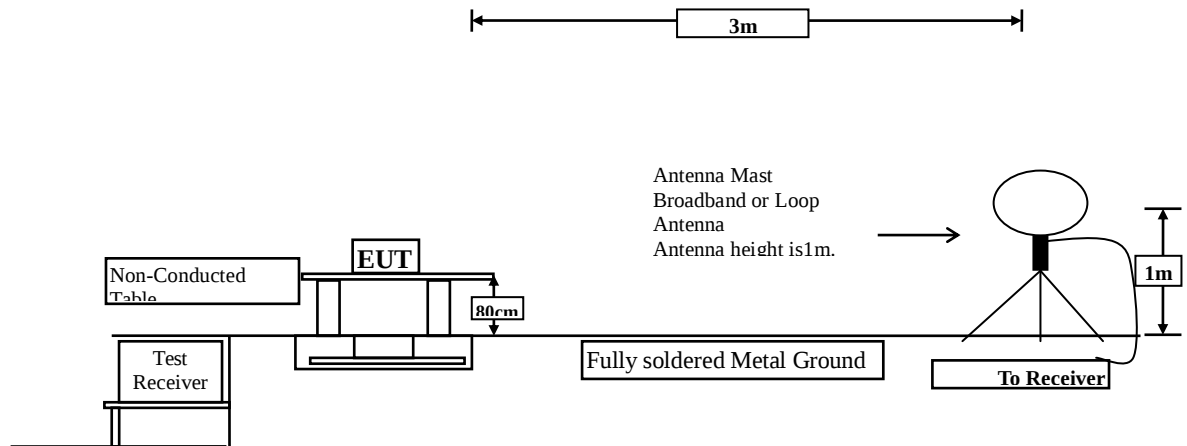


**Maximum conducted output power:****Channel 138 (Band3) -Chain B****Maximum conducted output power:****Channel 138 (Band4) -Chain B**

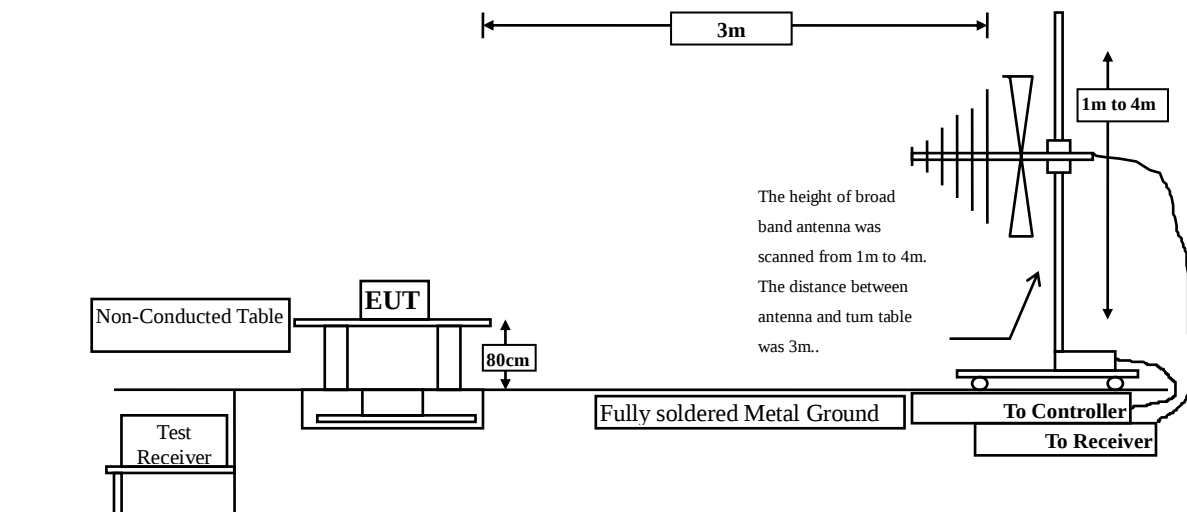
### 3. Radiated Emission

#### 3.1. Test Setup

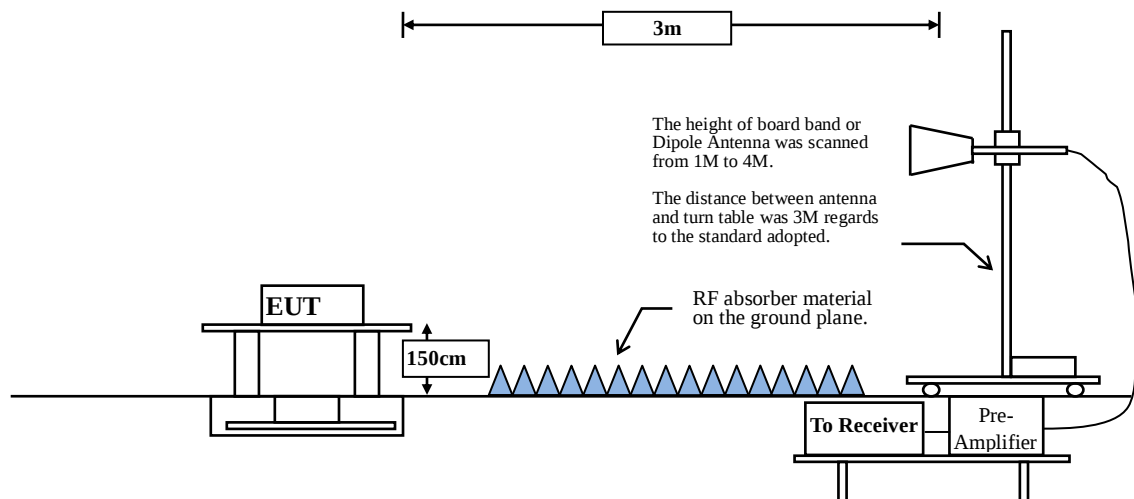
##### Radiated Emission Under 30MHz



##### 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<br>MHz                                 | Field strength<br>(microvolts/meter) | Measurement distance<br>(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 (dBμV/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**

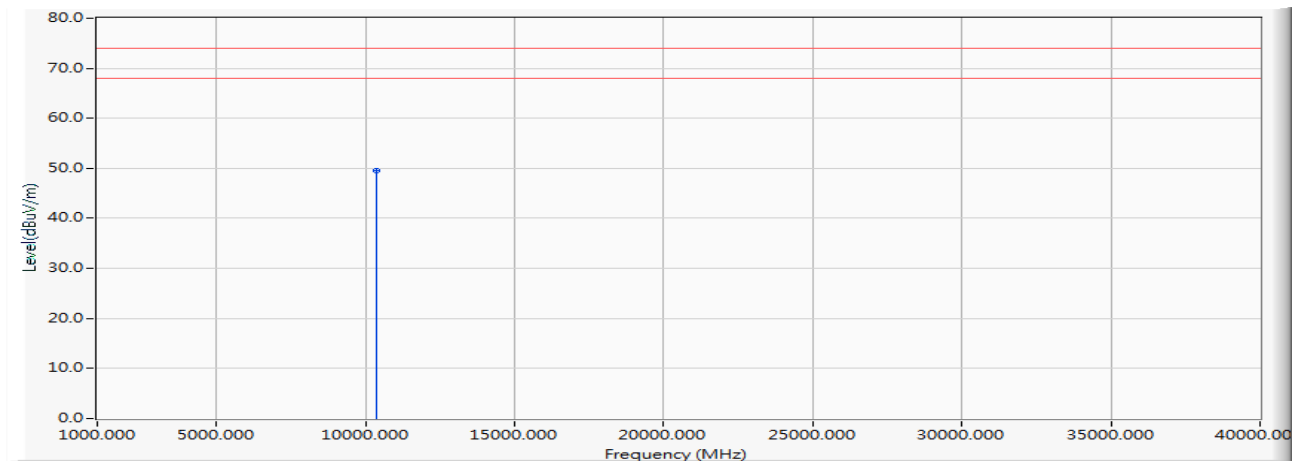
$\pm 4.08$  dB below 1GHz

$\pm 4.22$  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



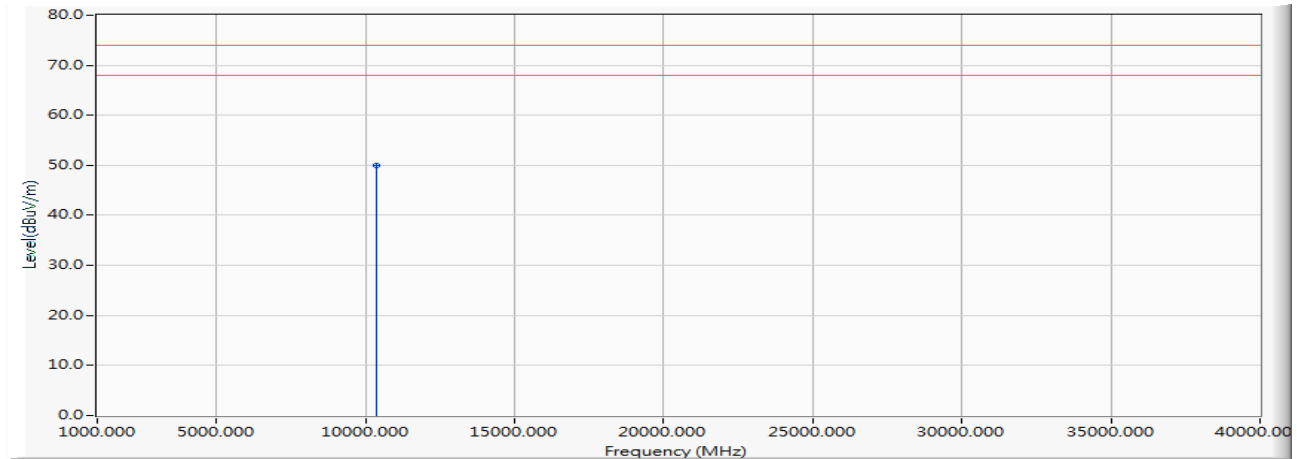
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



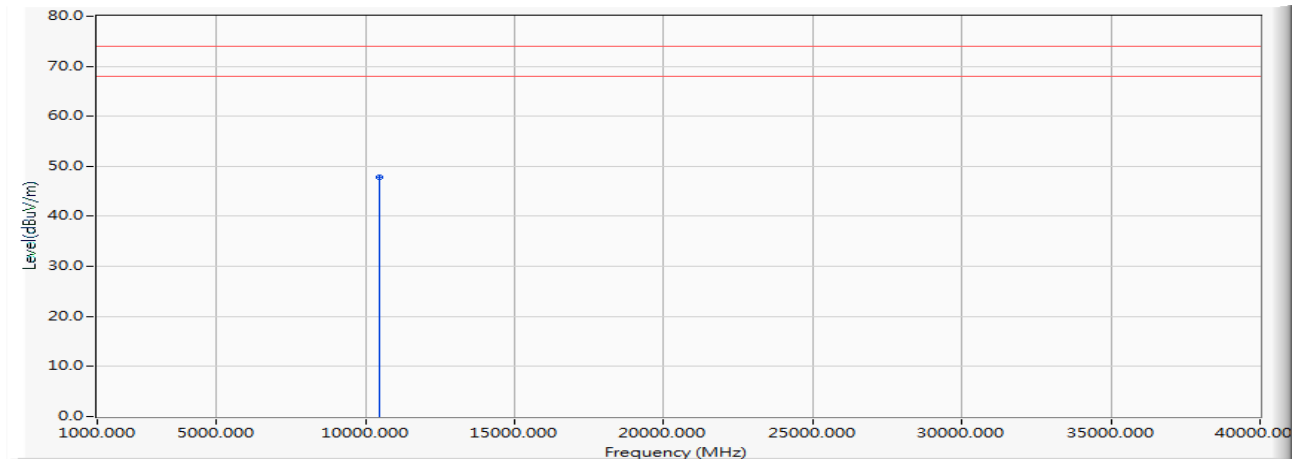
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



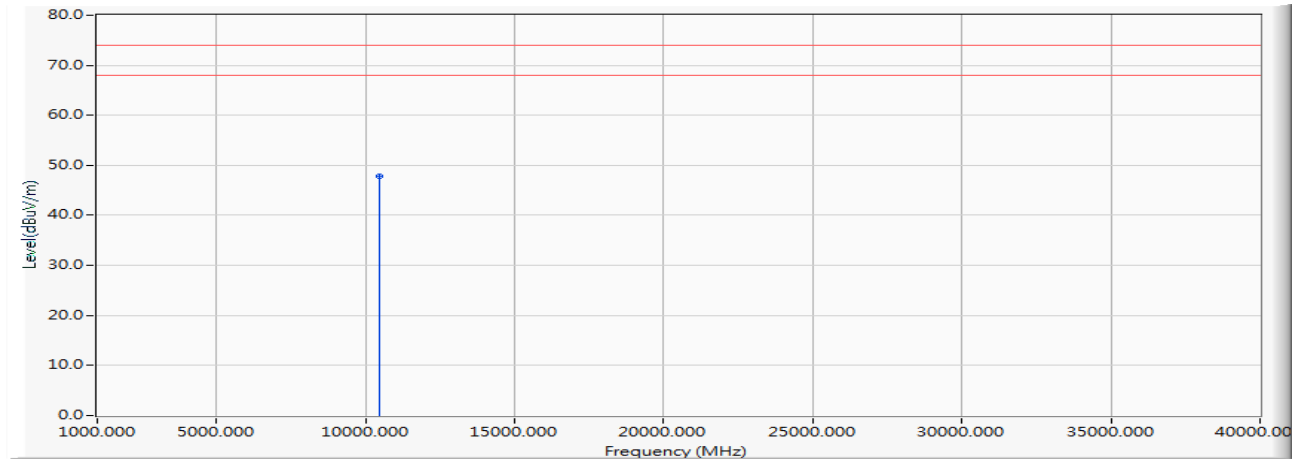
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|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

## Vertical



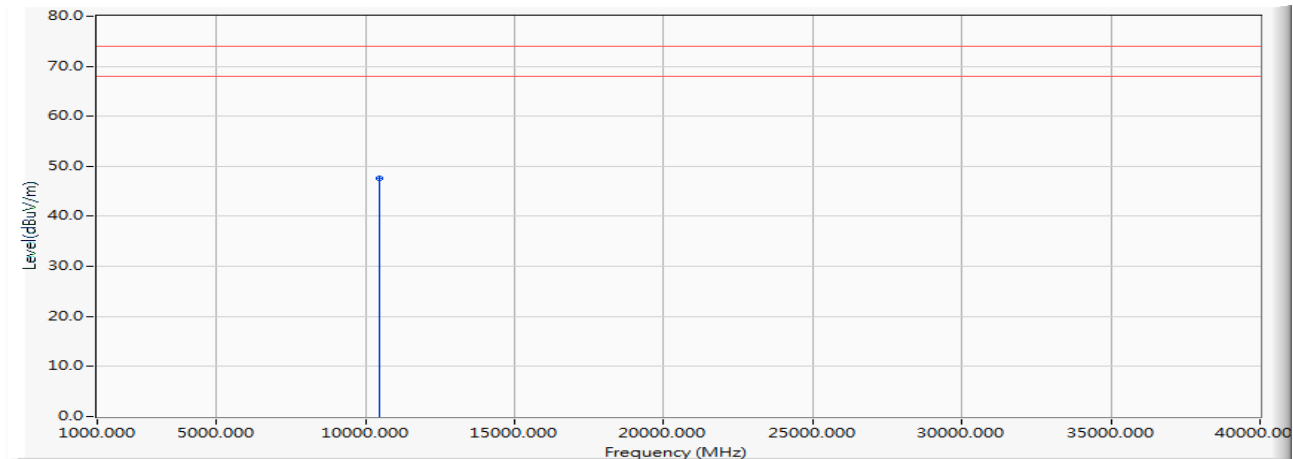
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



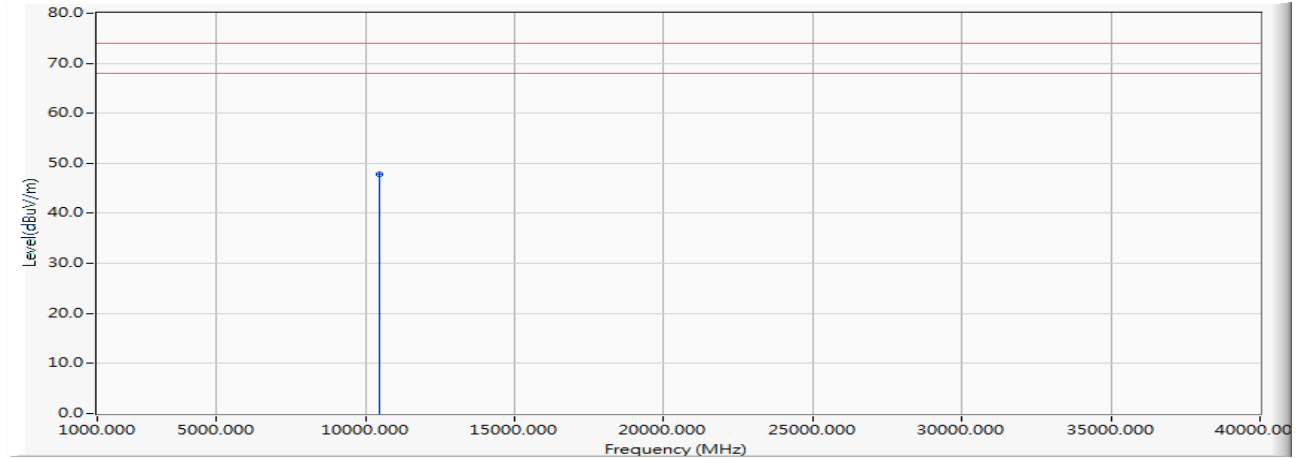
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



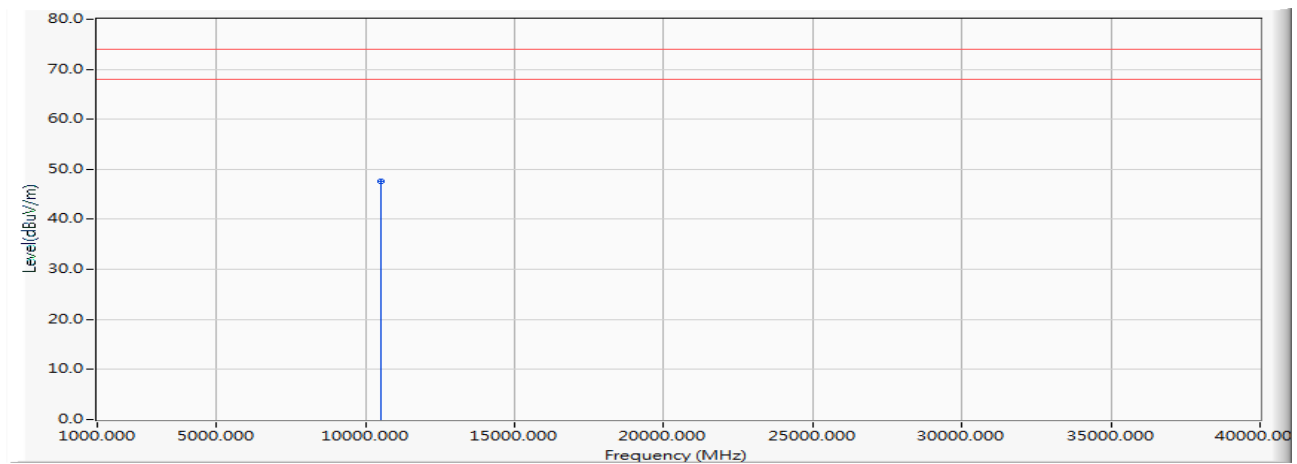
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



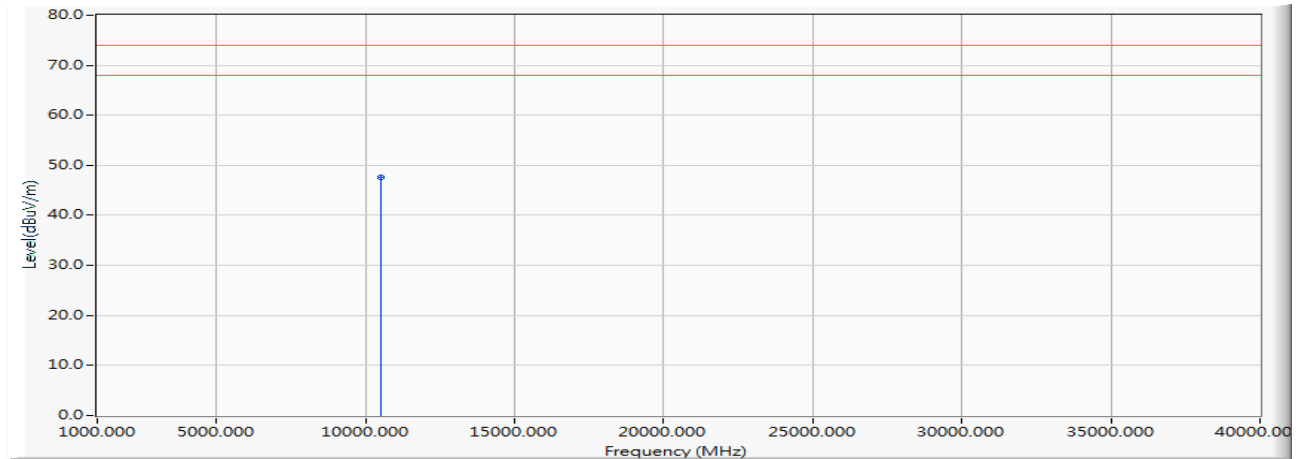
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



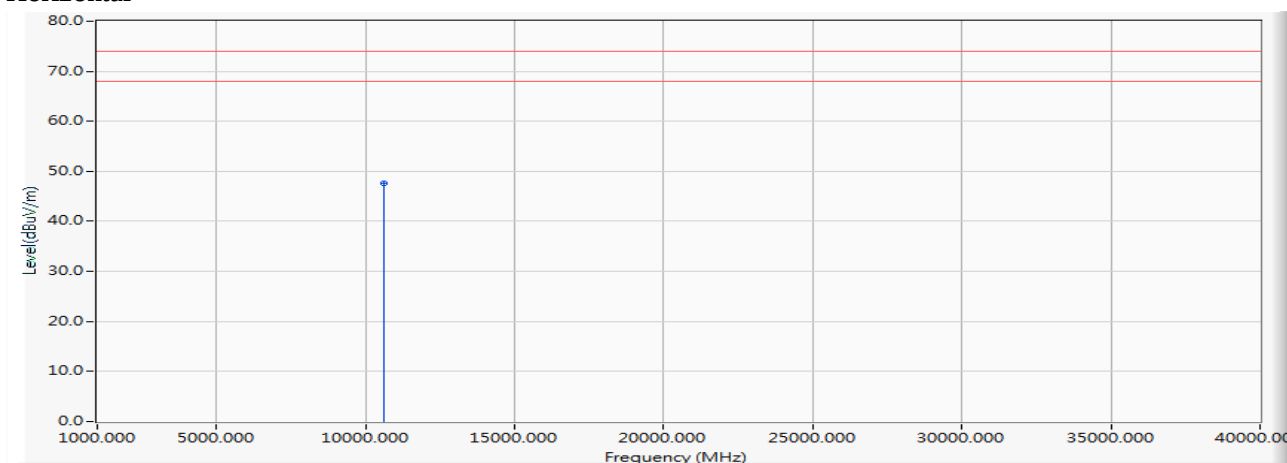
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



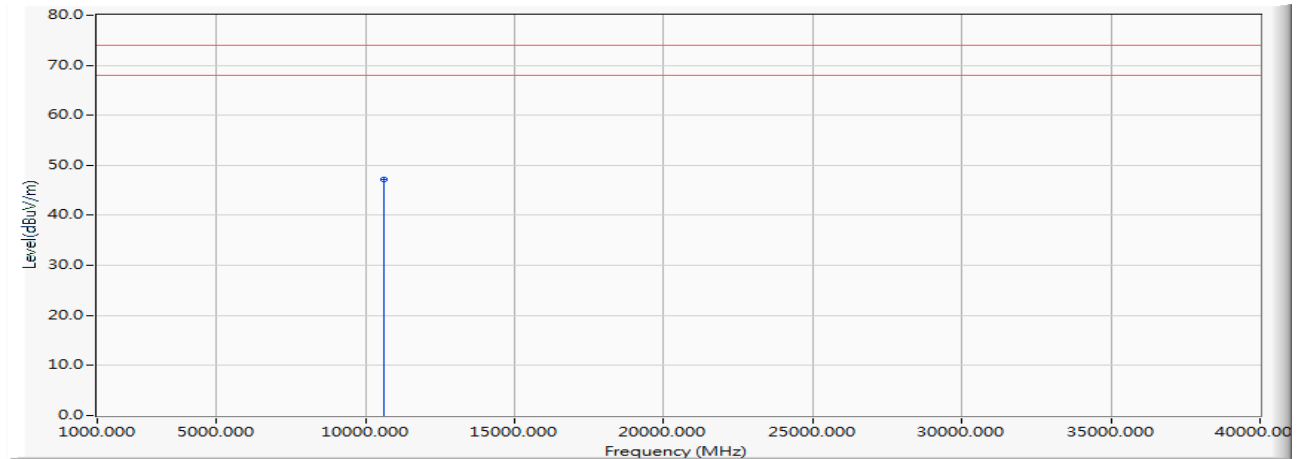
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



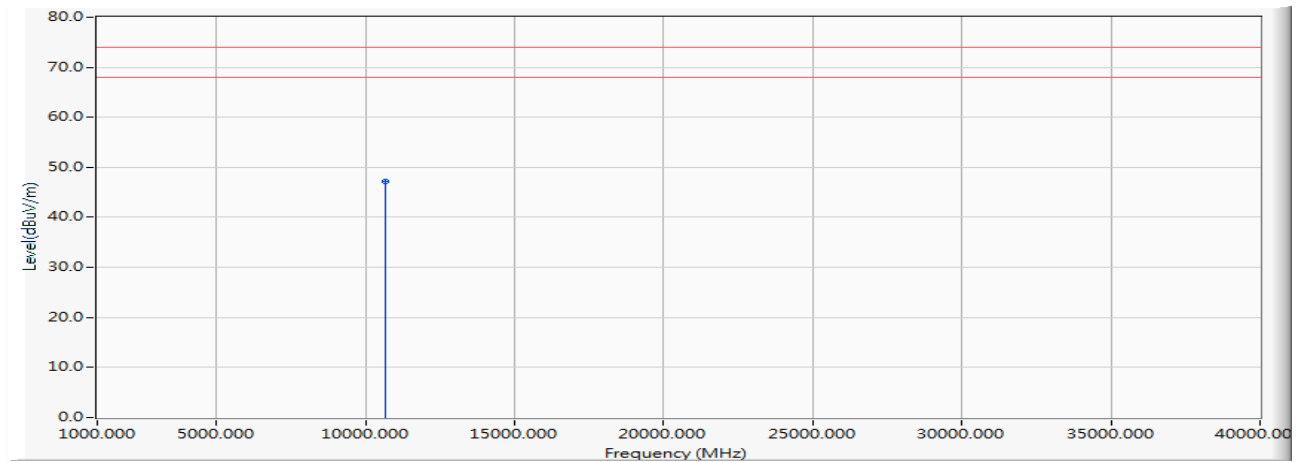
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



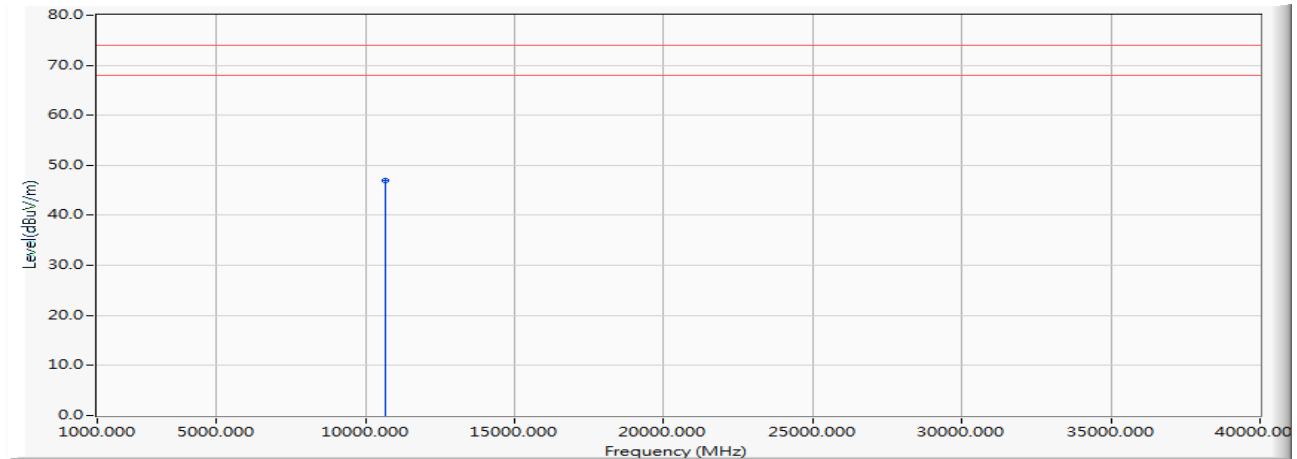
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



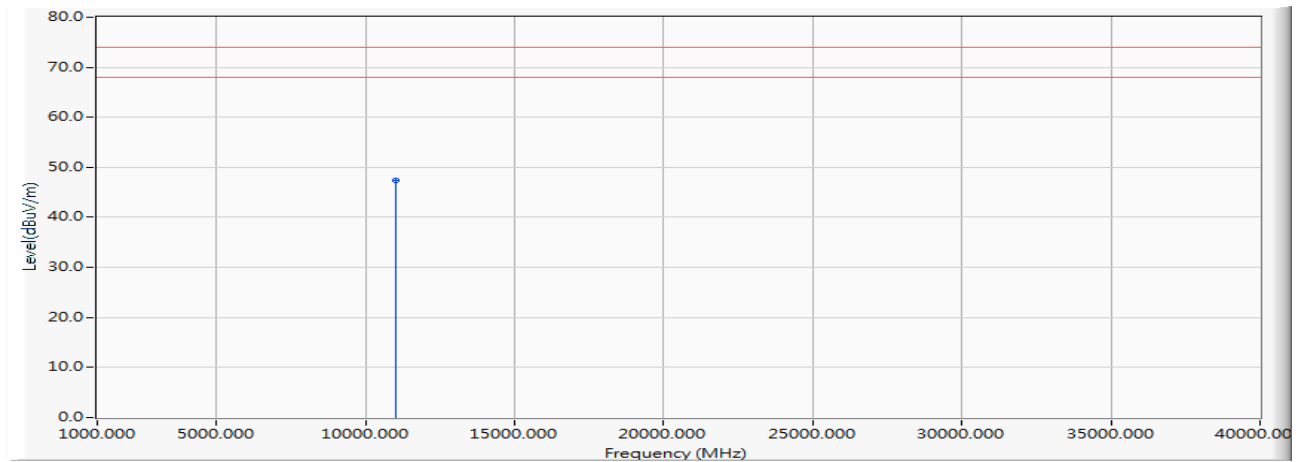
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



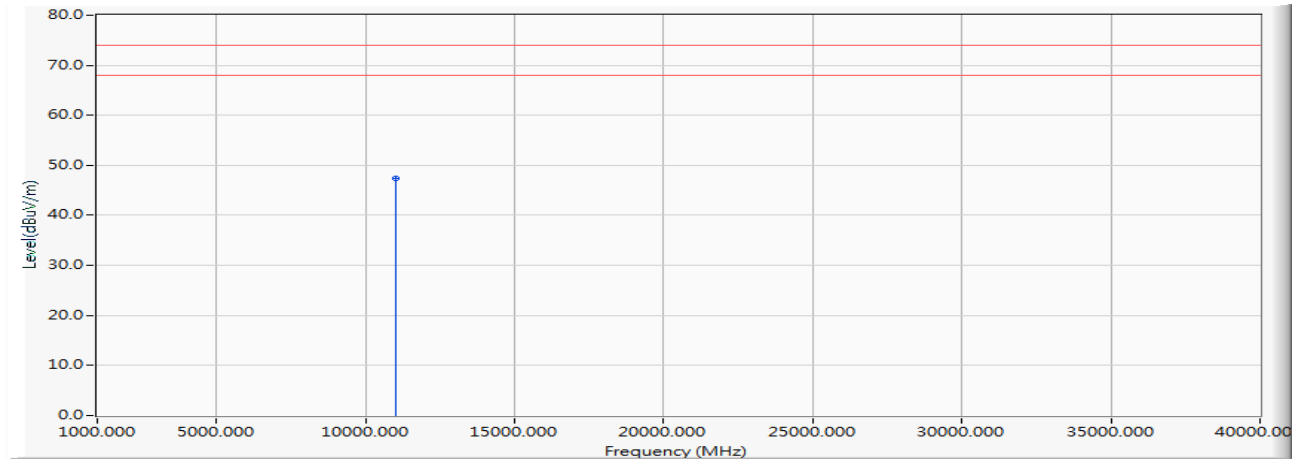
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



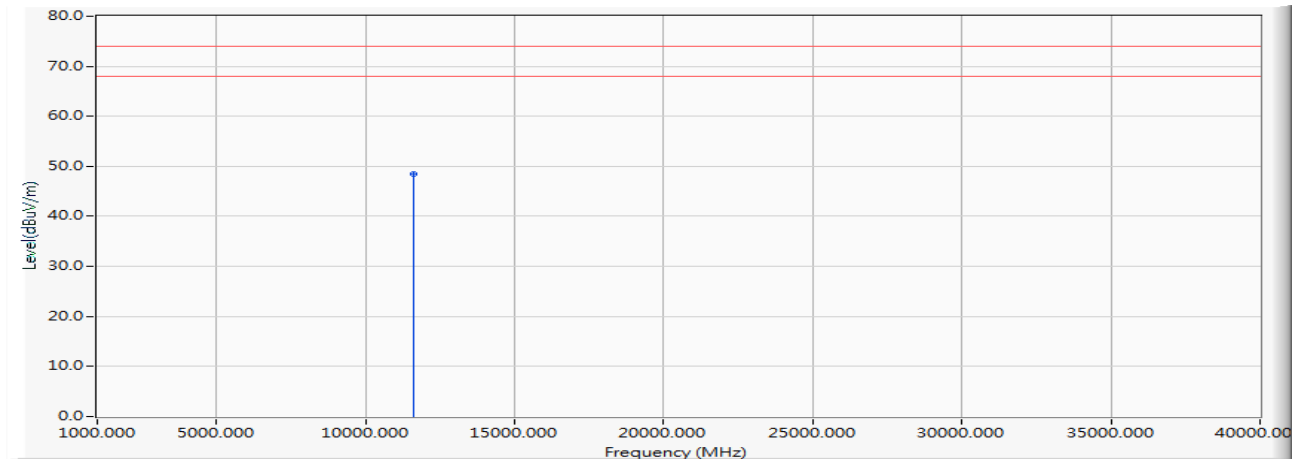
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



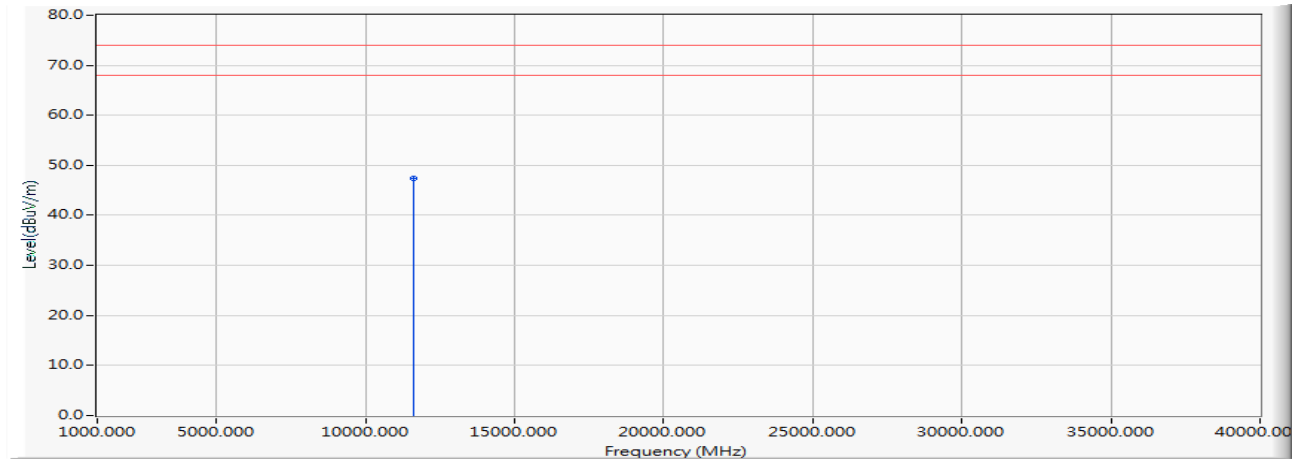
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|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

## Vertical



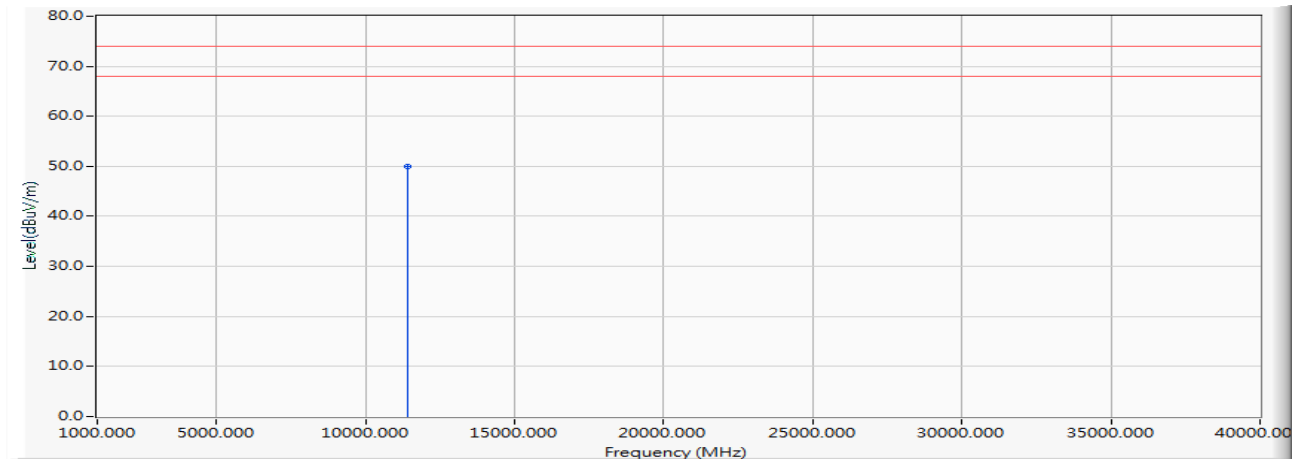
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



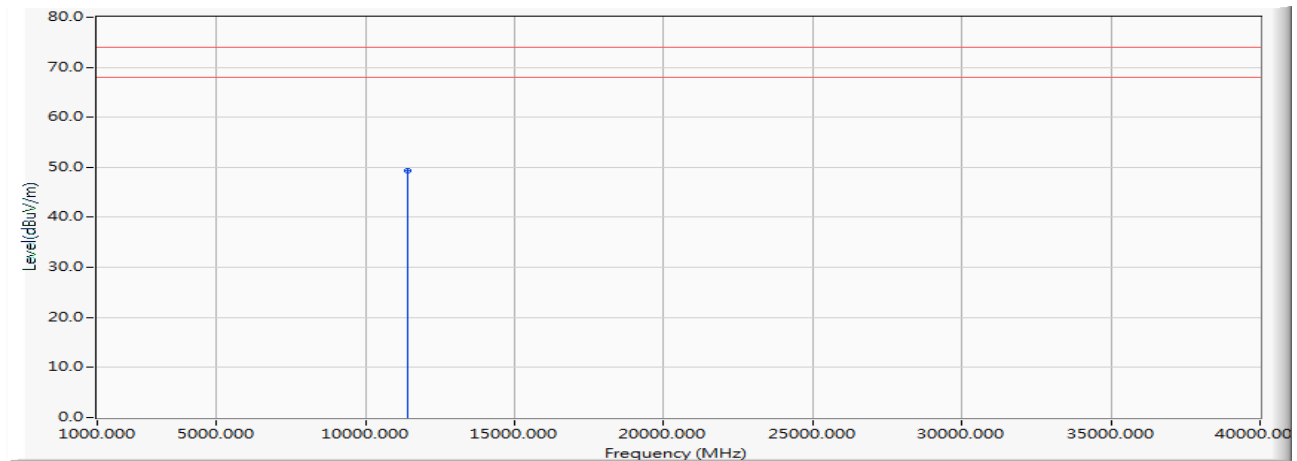
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|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

## Vertical



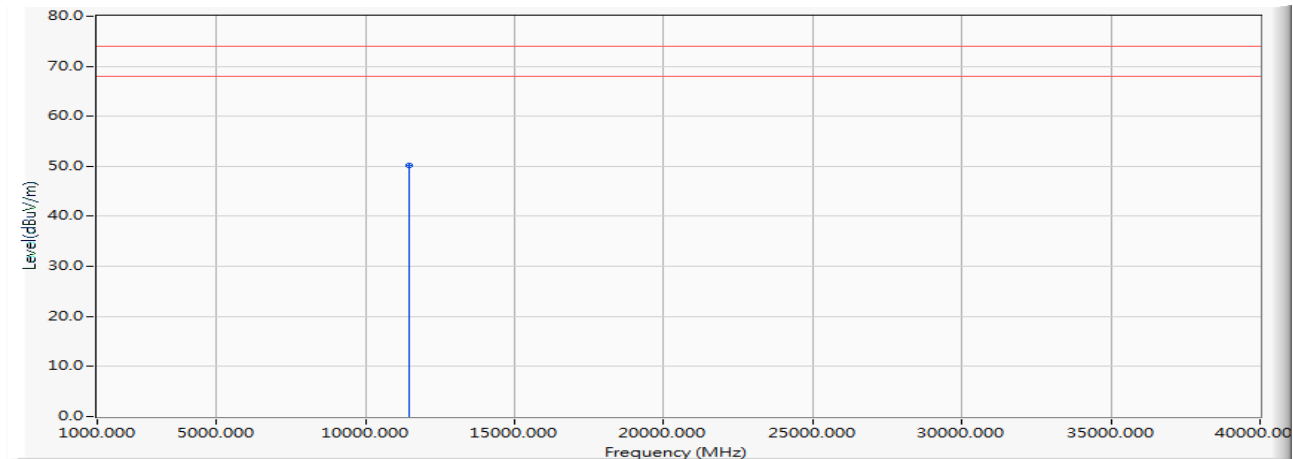
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



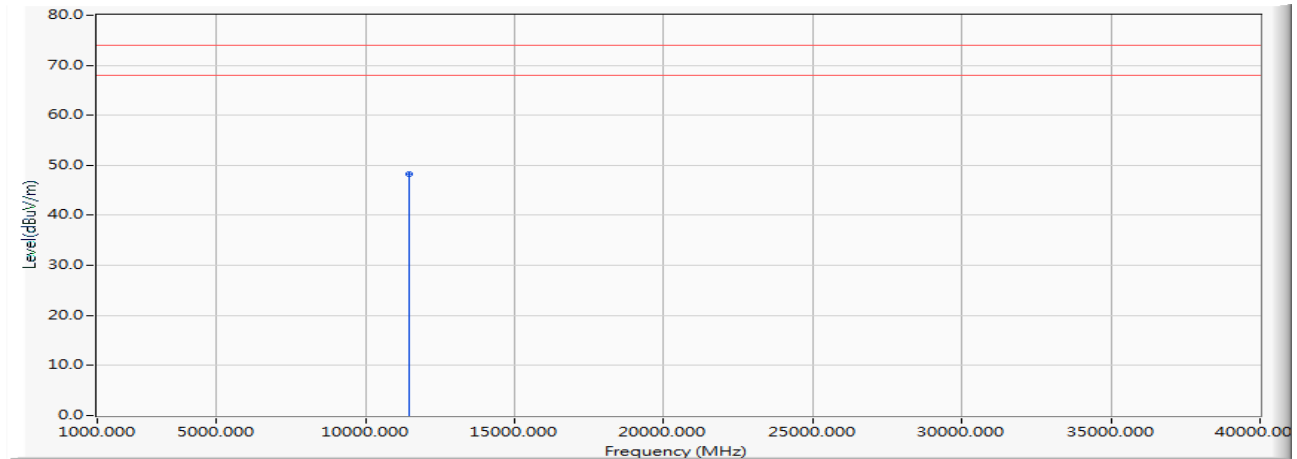
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



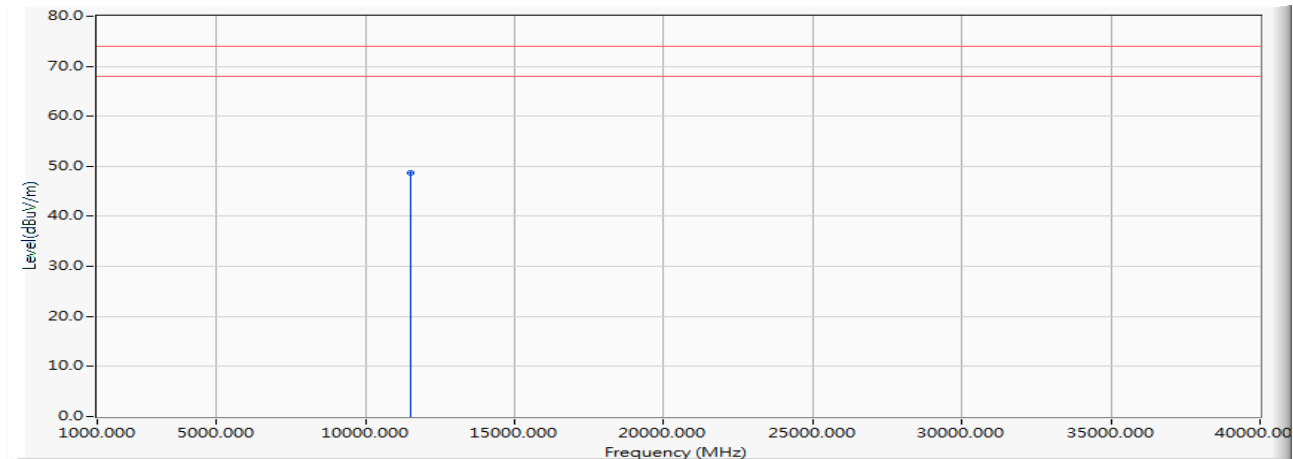
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



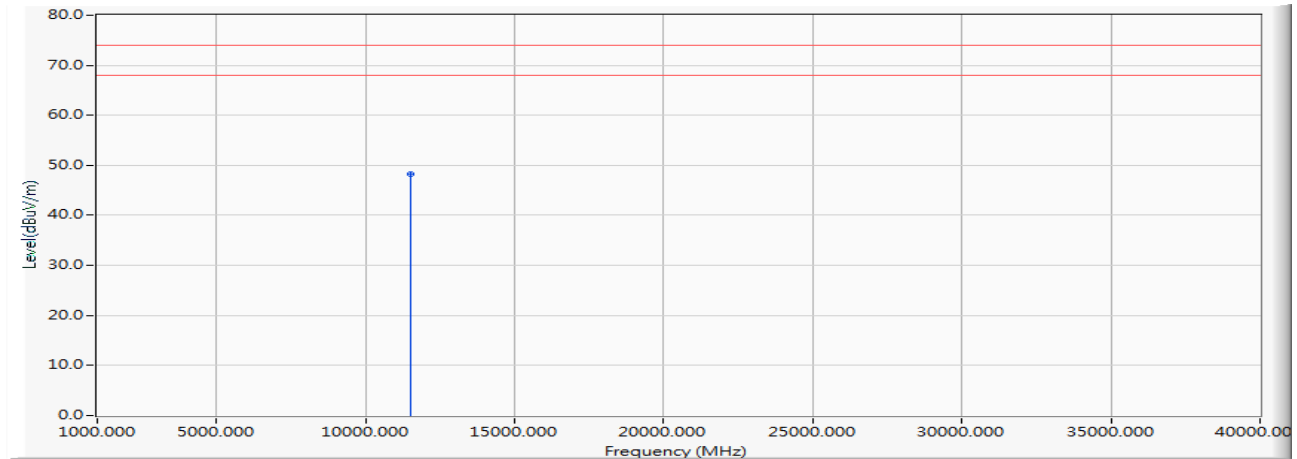
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



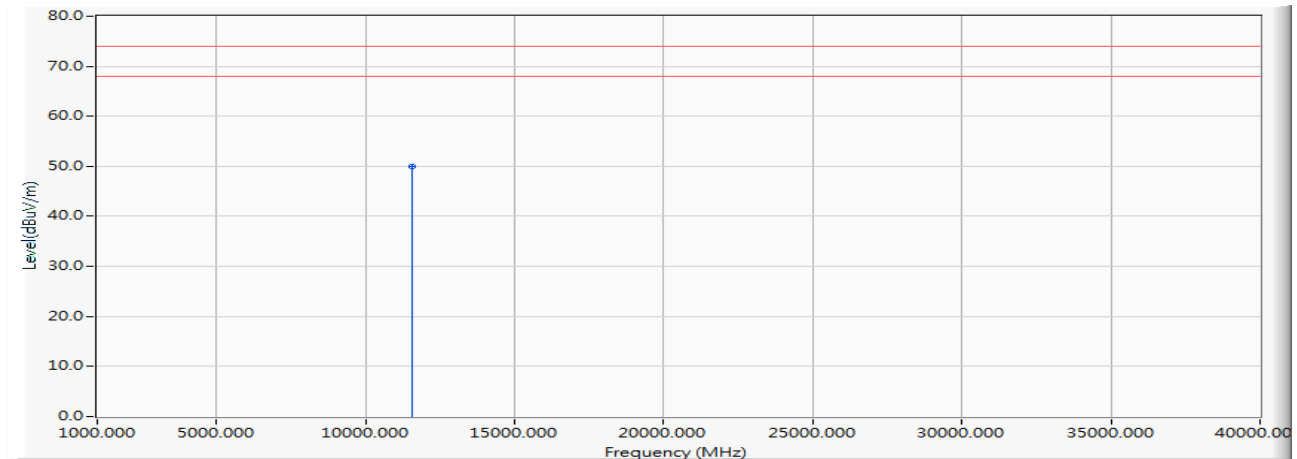
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



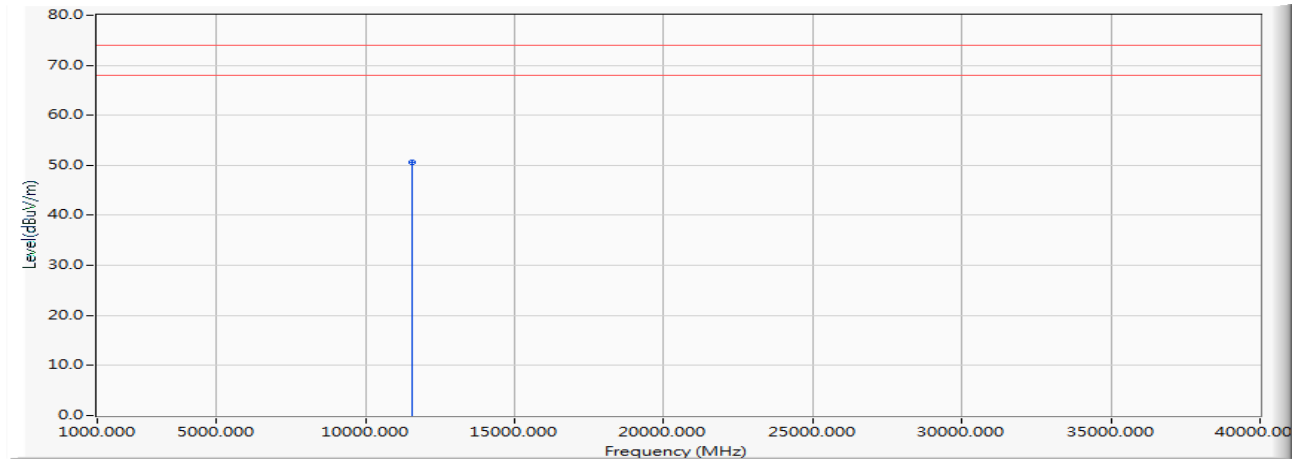
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



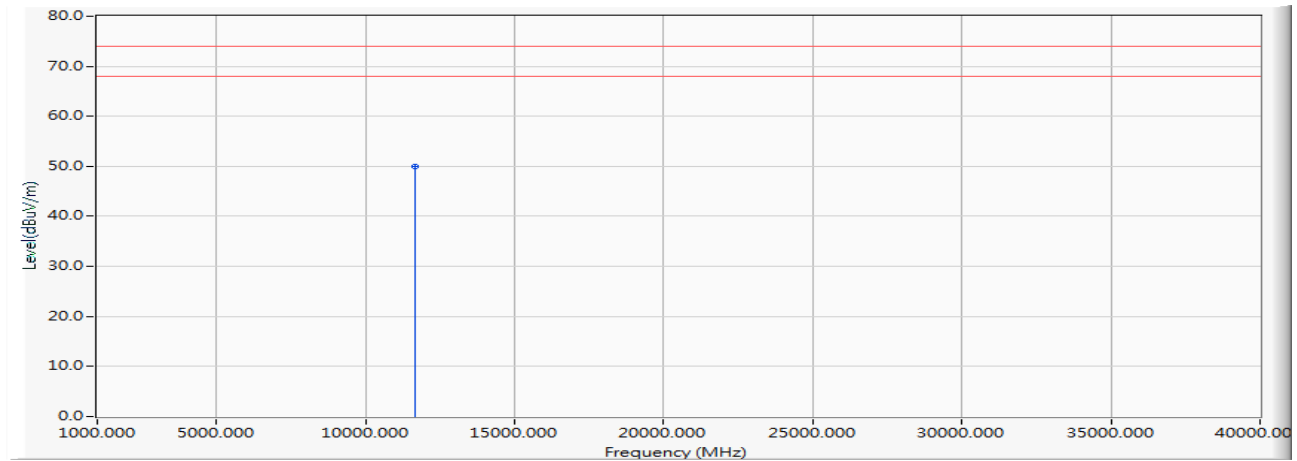
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



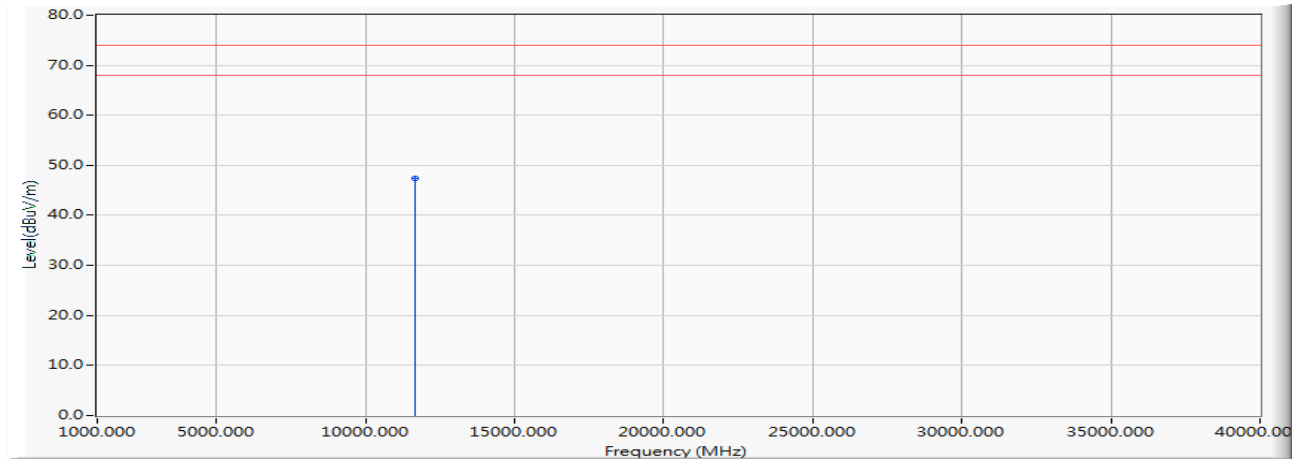
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



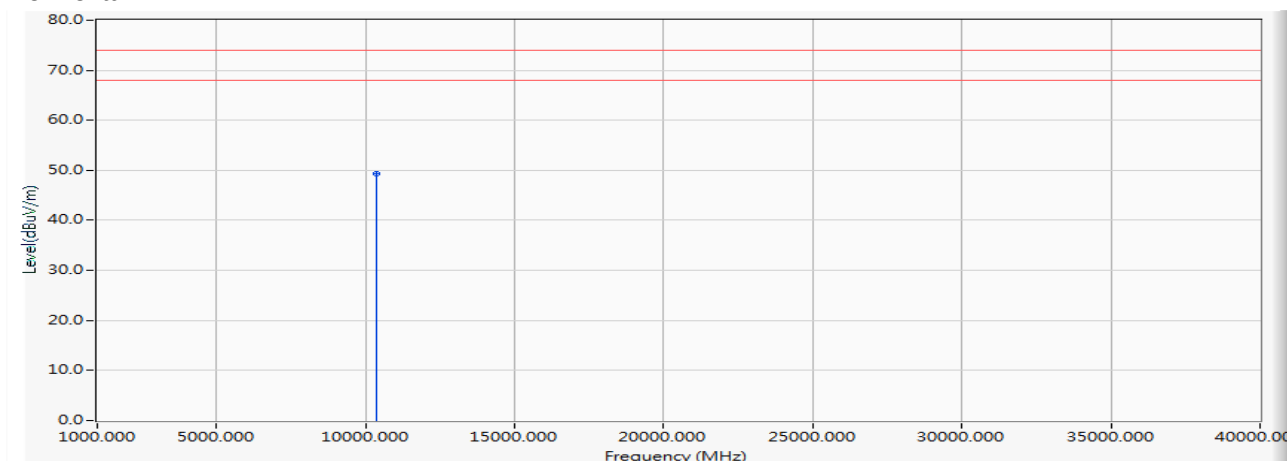
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



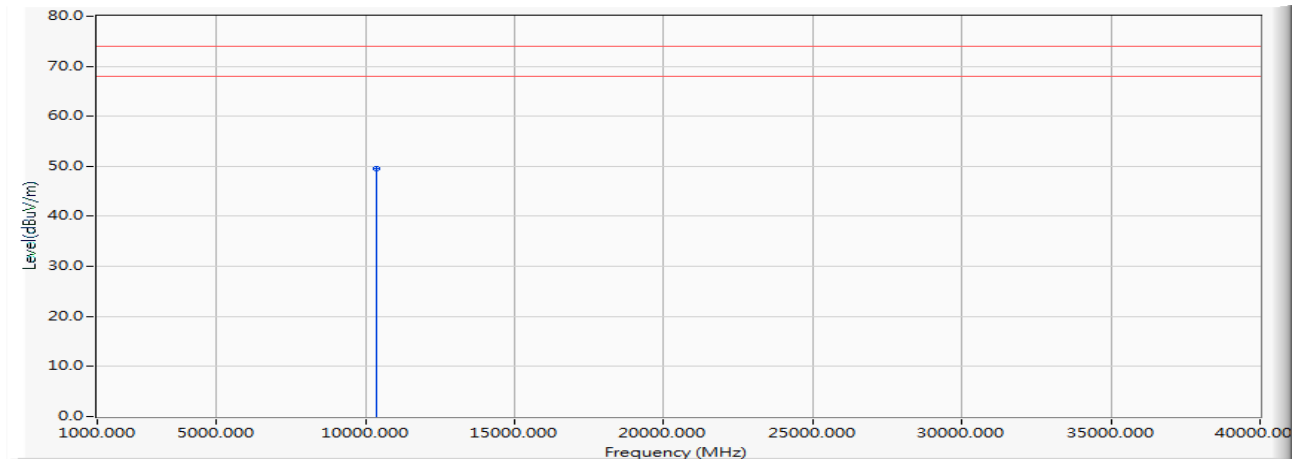
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



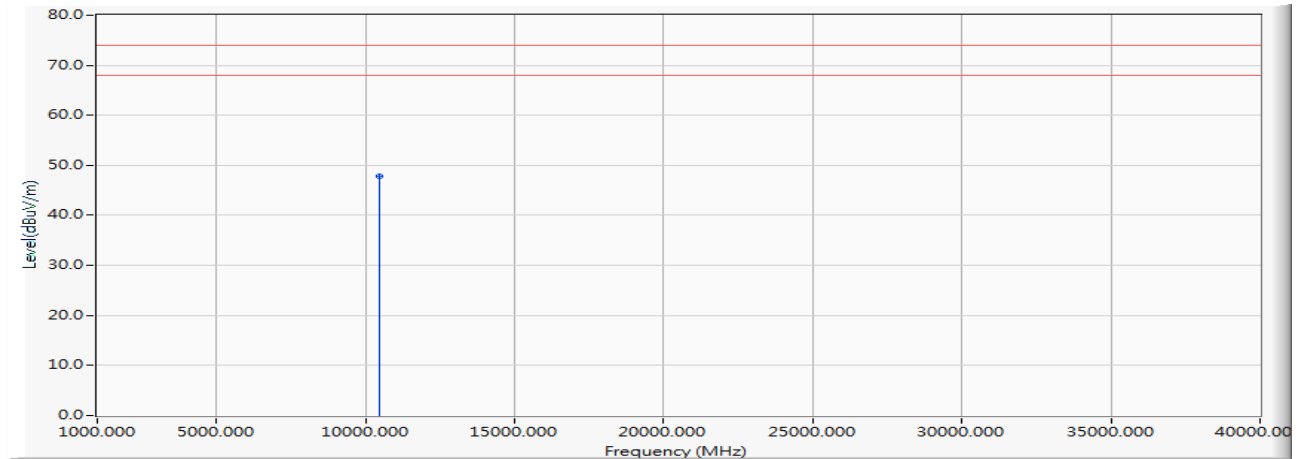
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



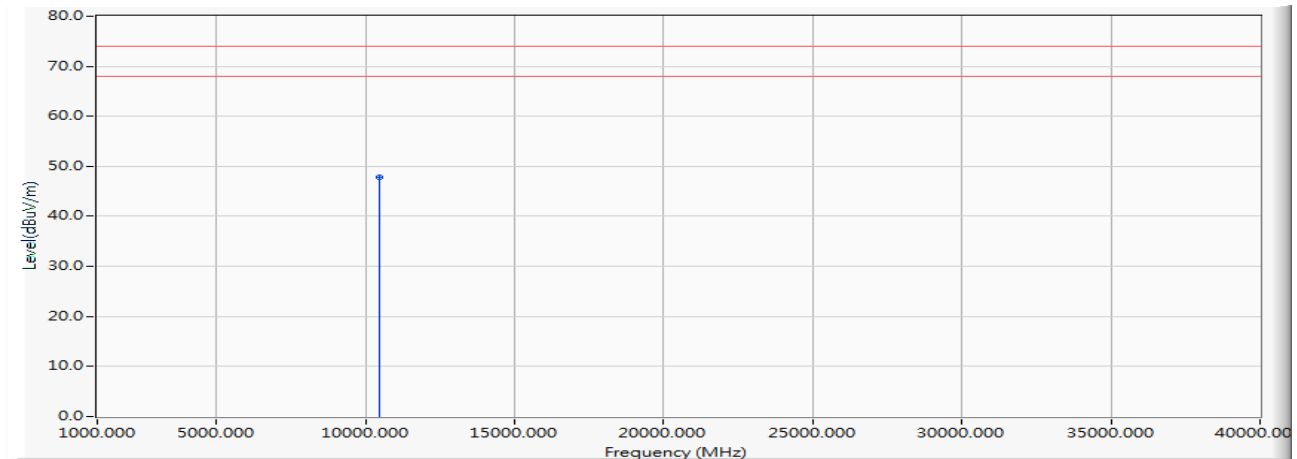
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



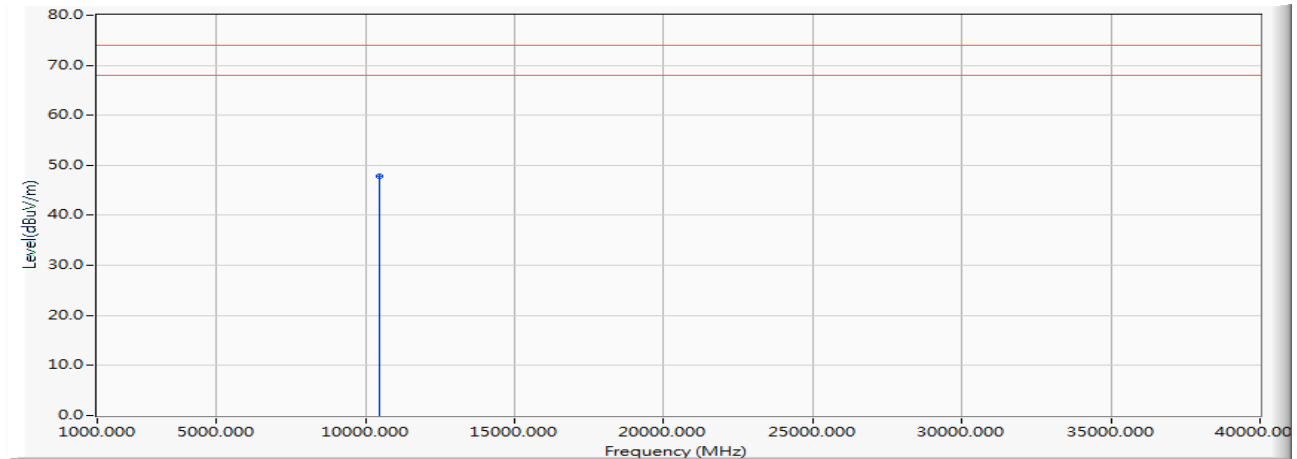
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



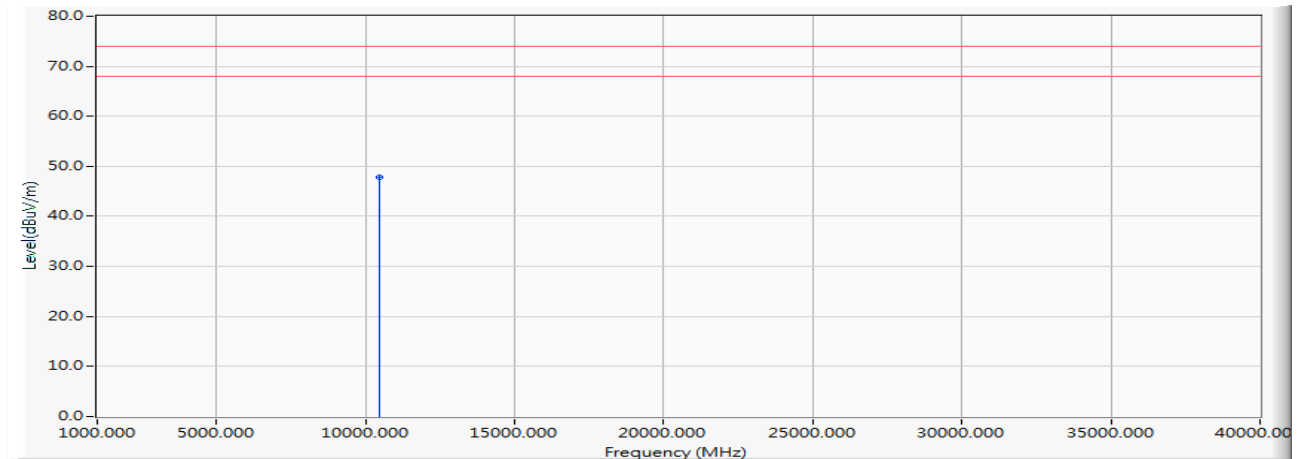
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



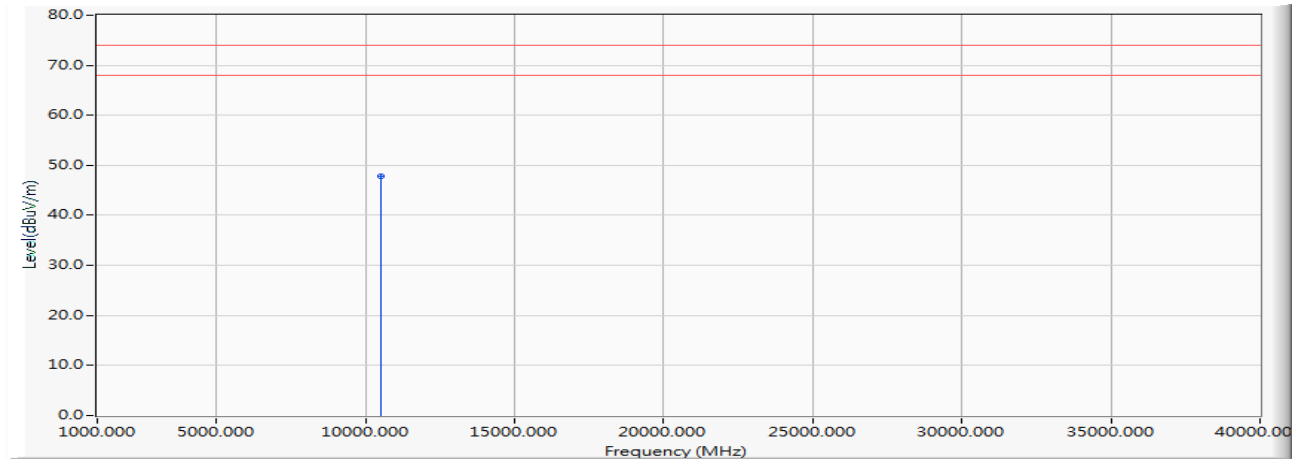
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



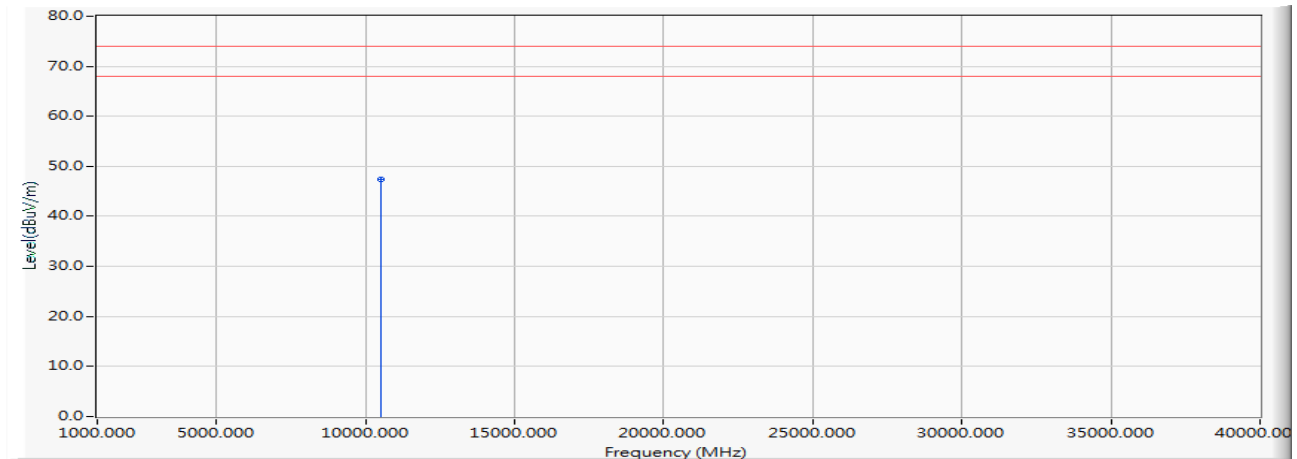
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



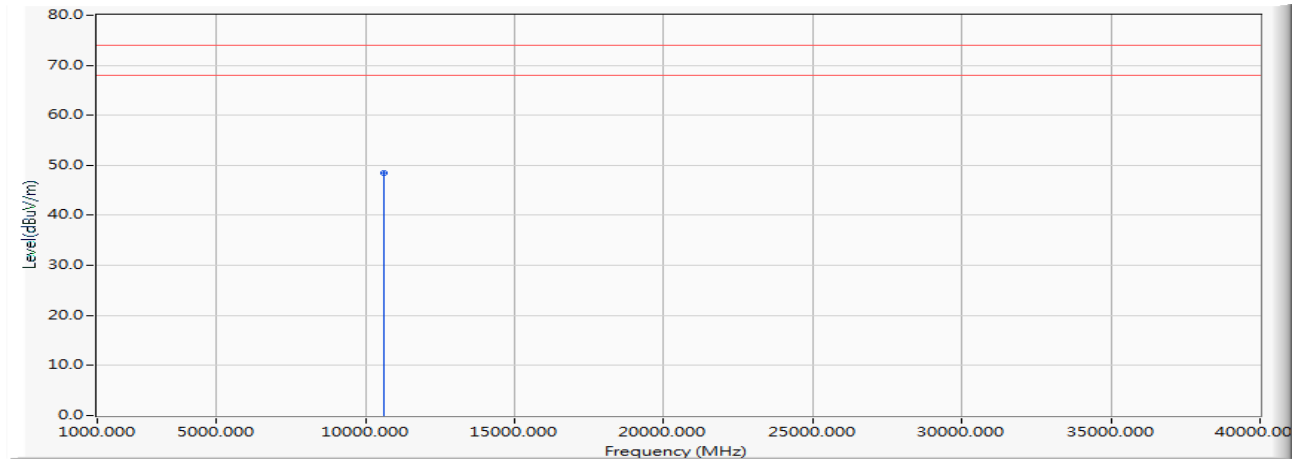
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



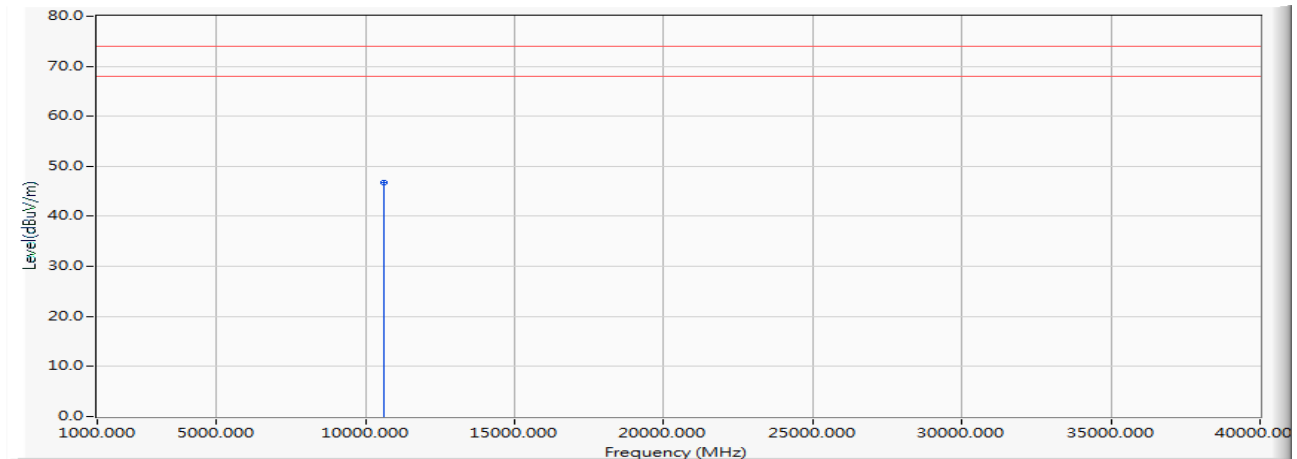
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



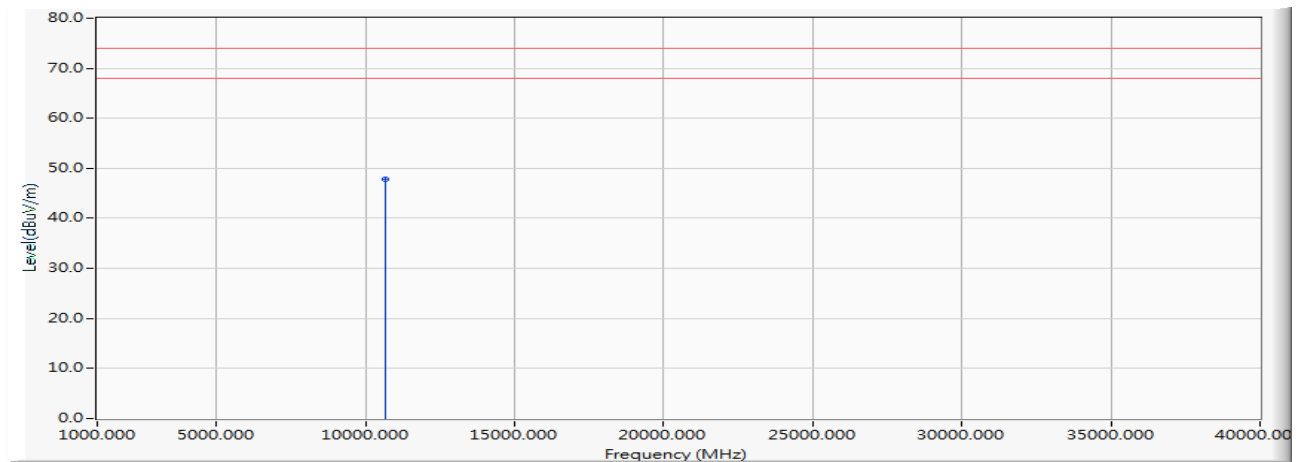
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



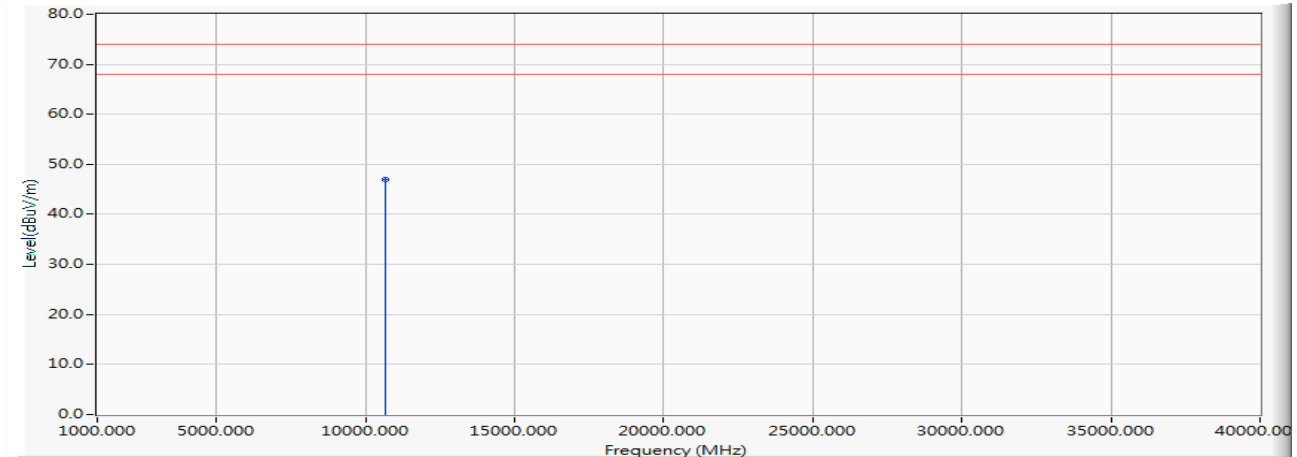
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



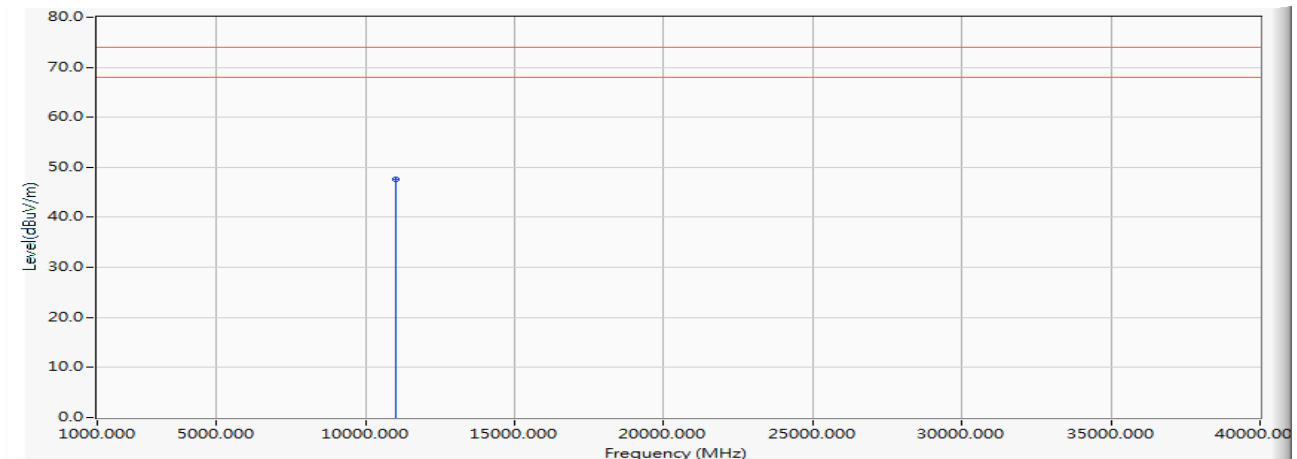
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



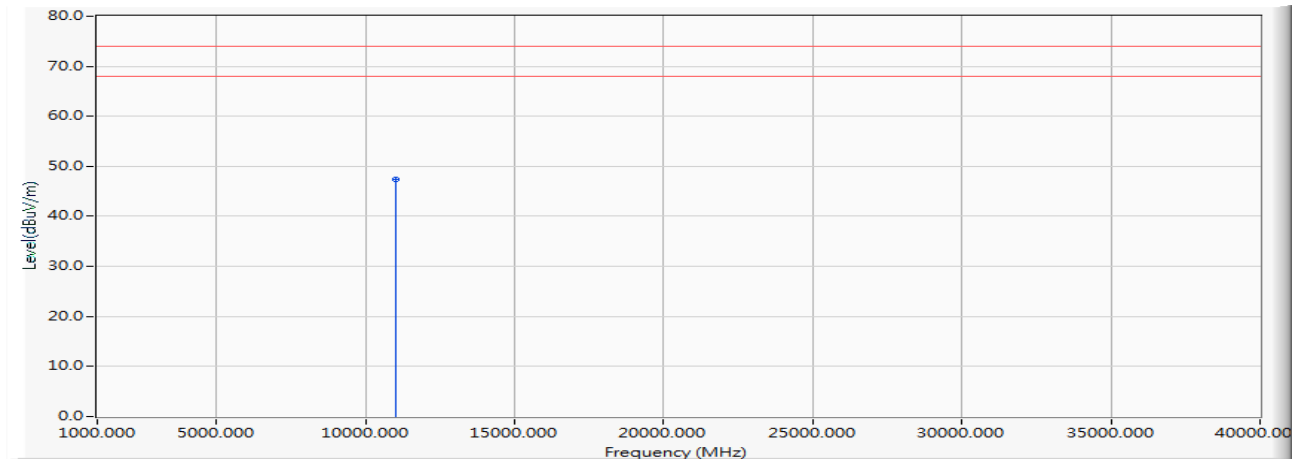
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|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

## Vertical



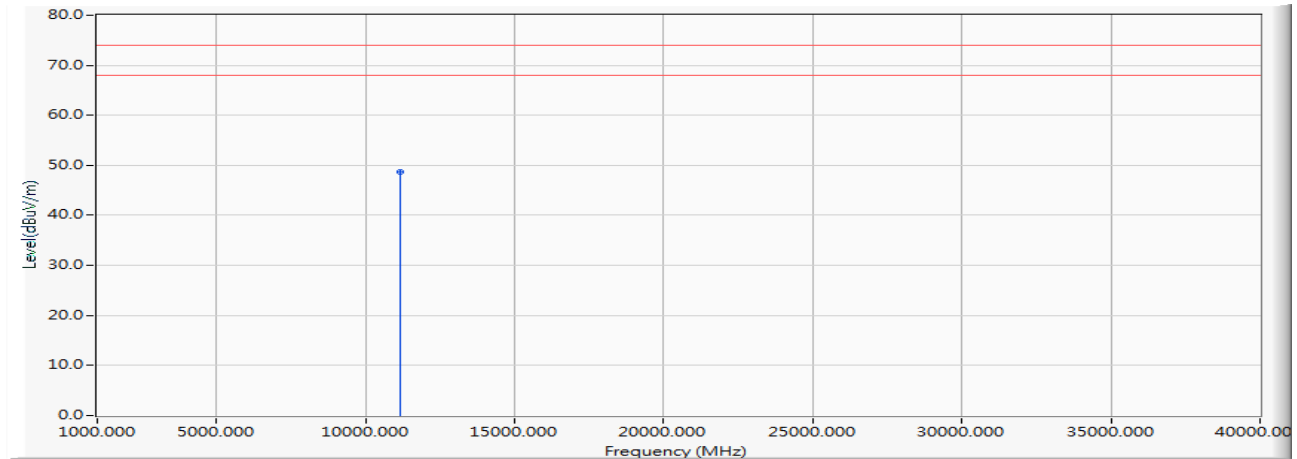
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



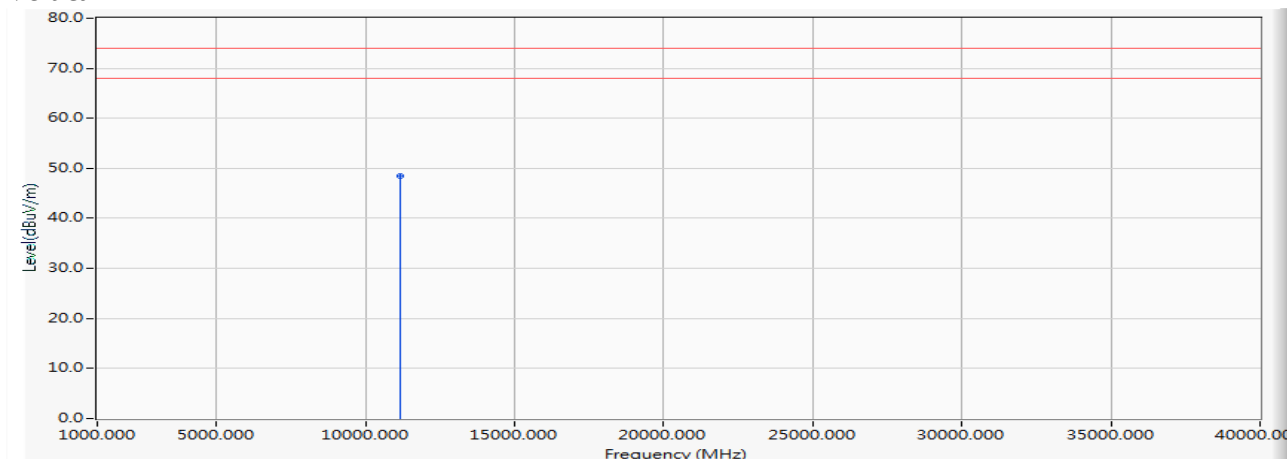
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



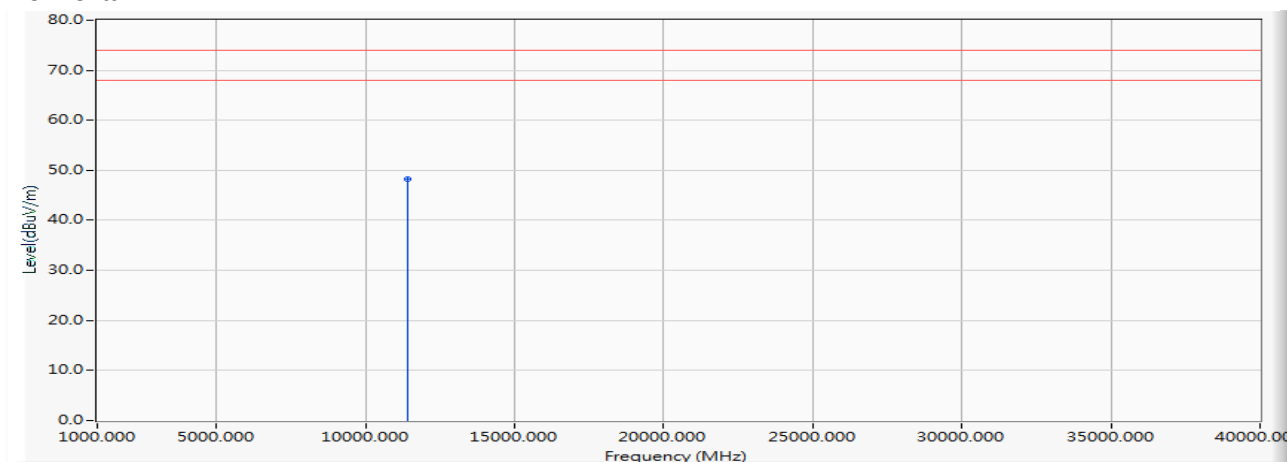
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



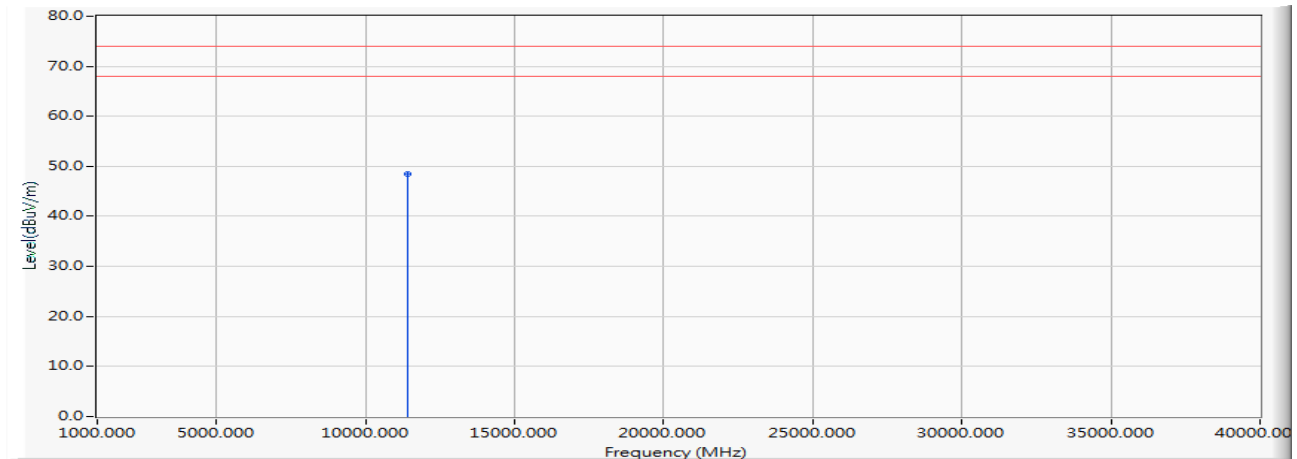
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|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

## Vertical



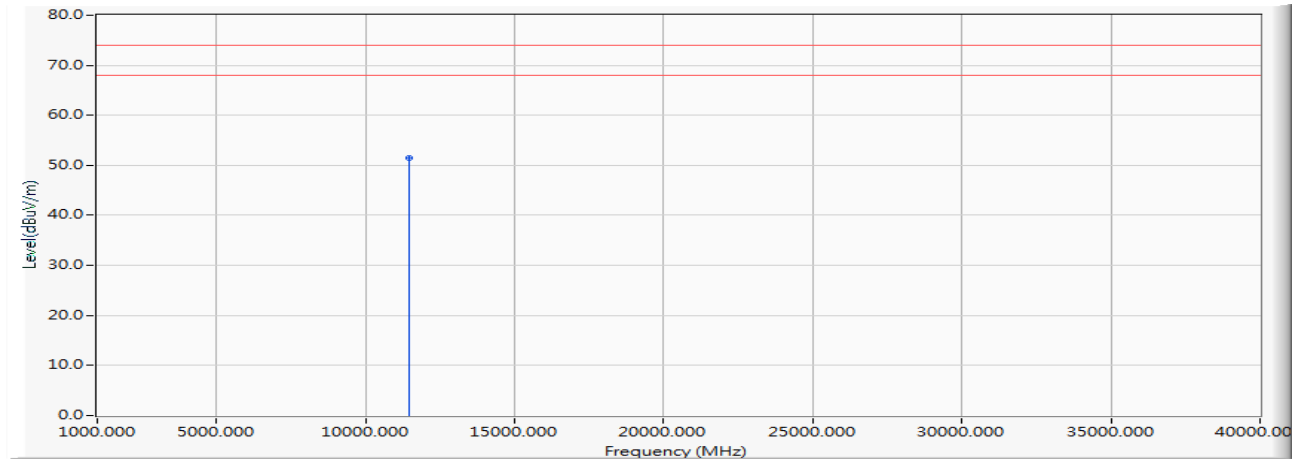
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



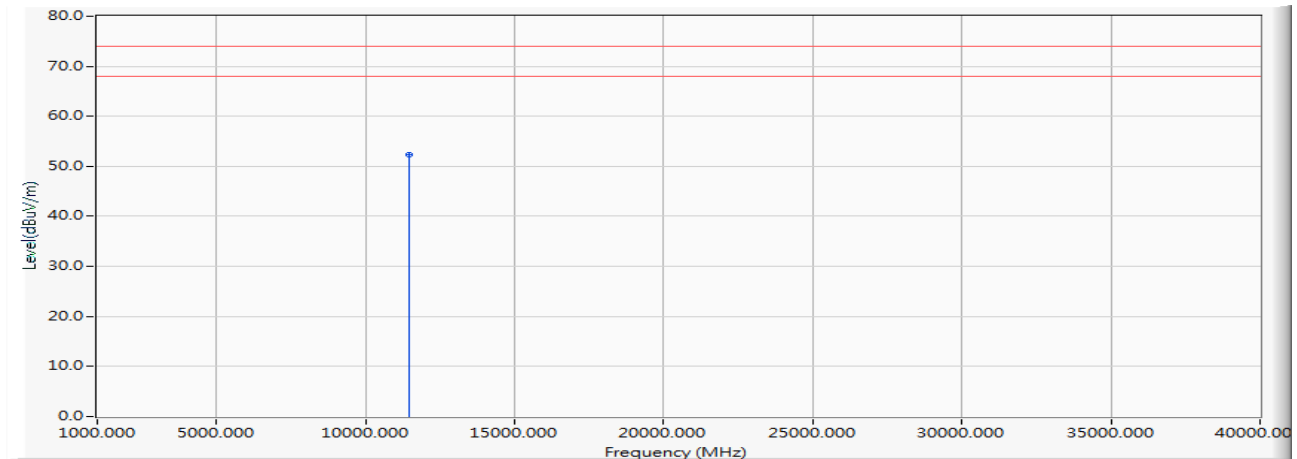
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



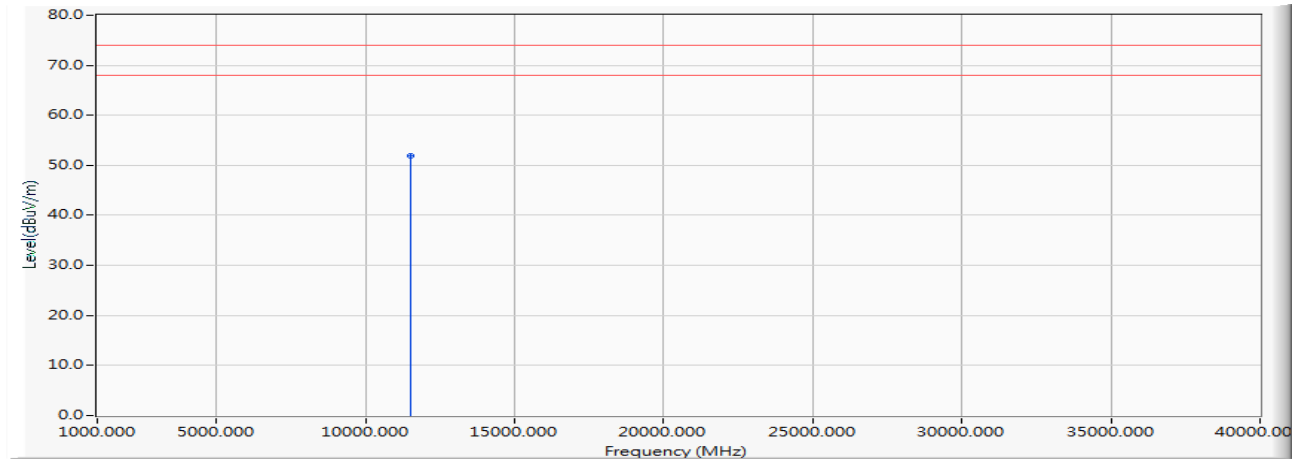
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



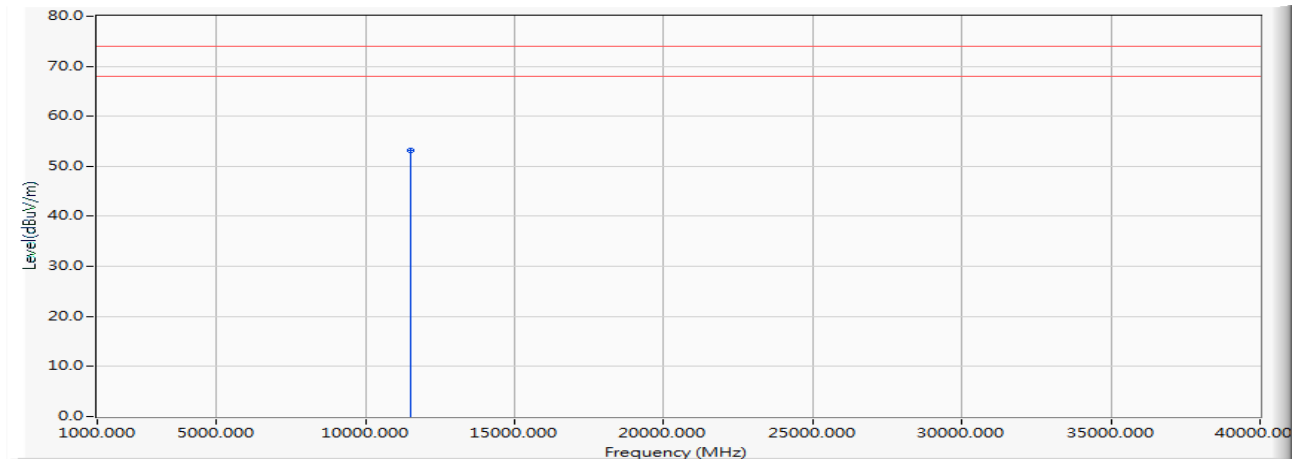
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



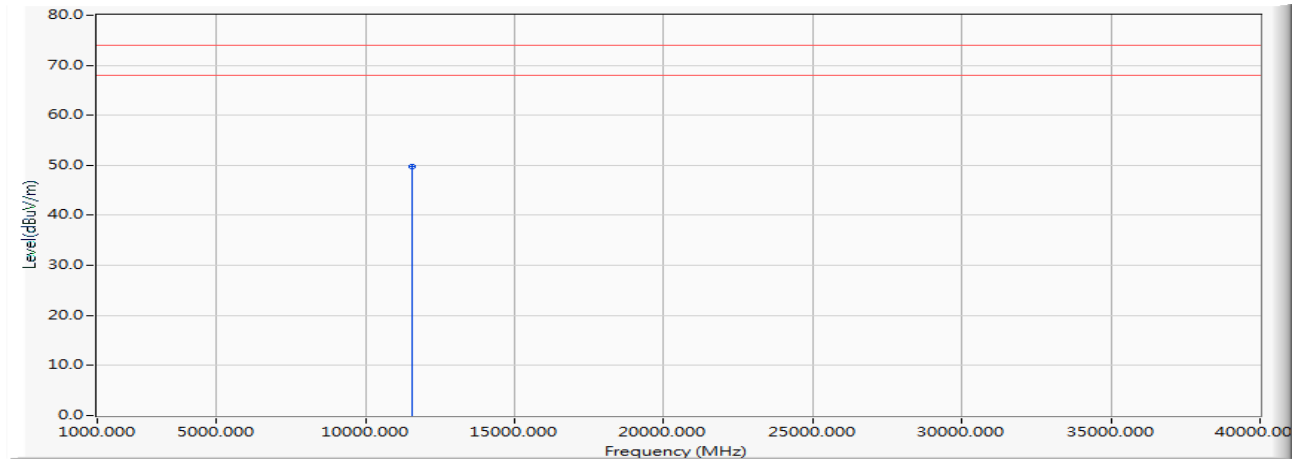
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



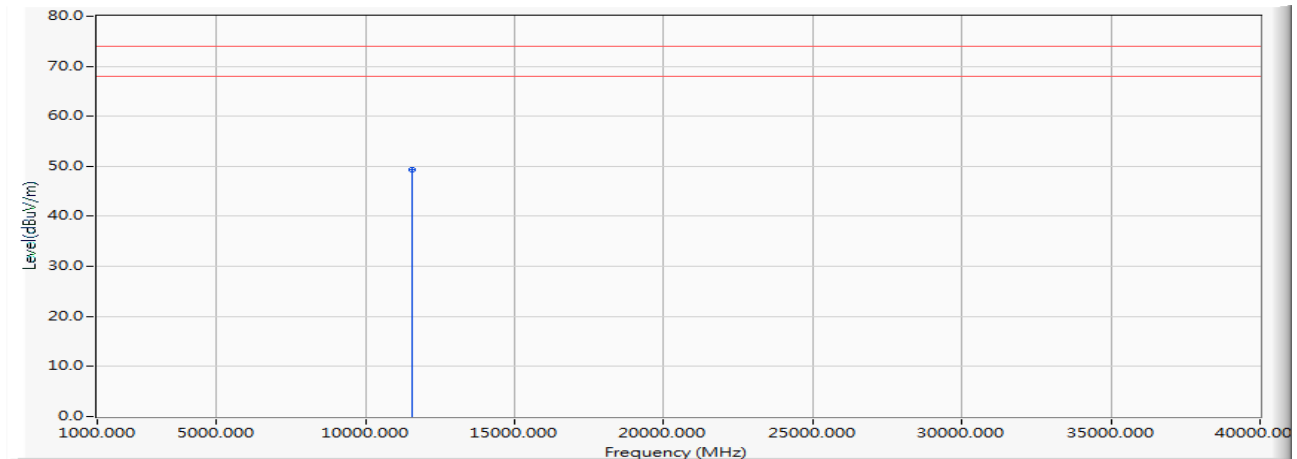
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



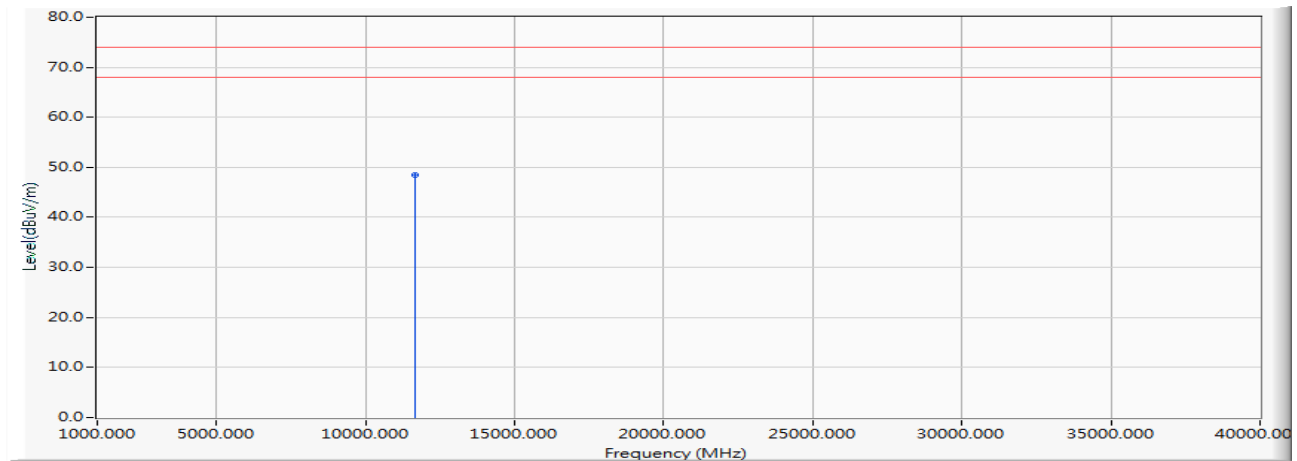
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



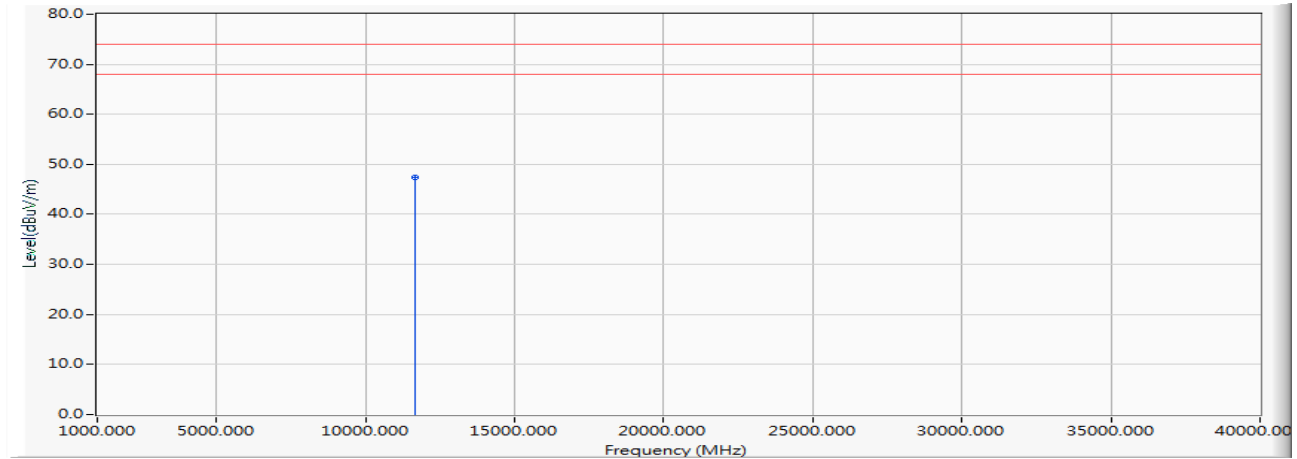
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



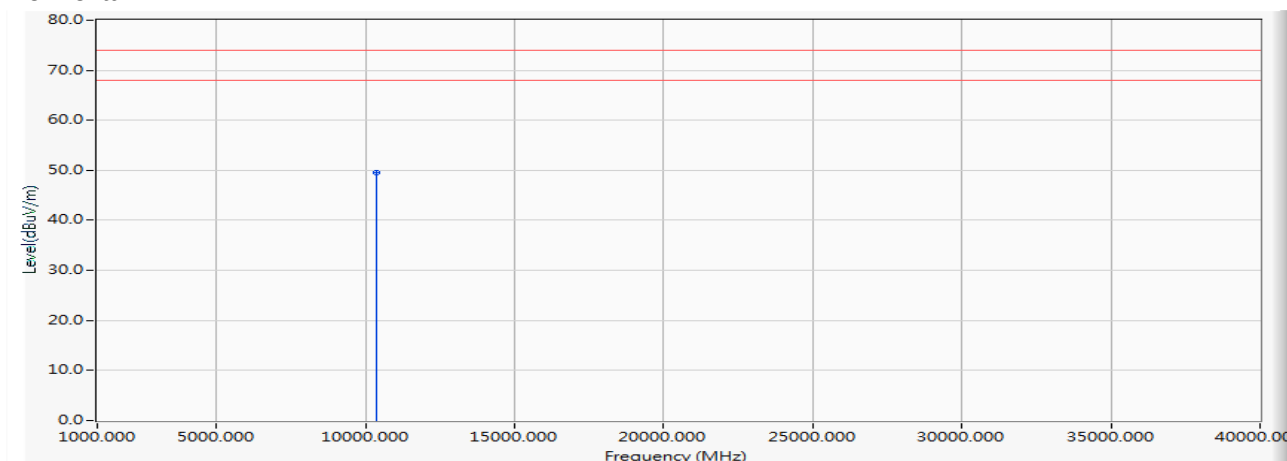
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



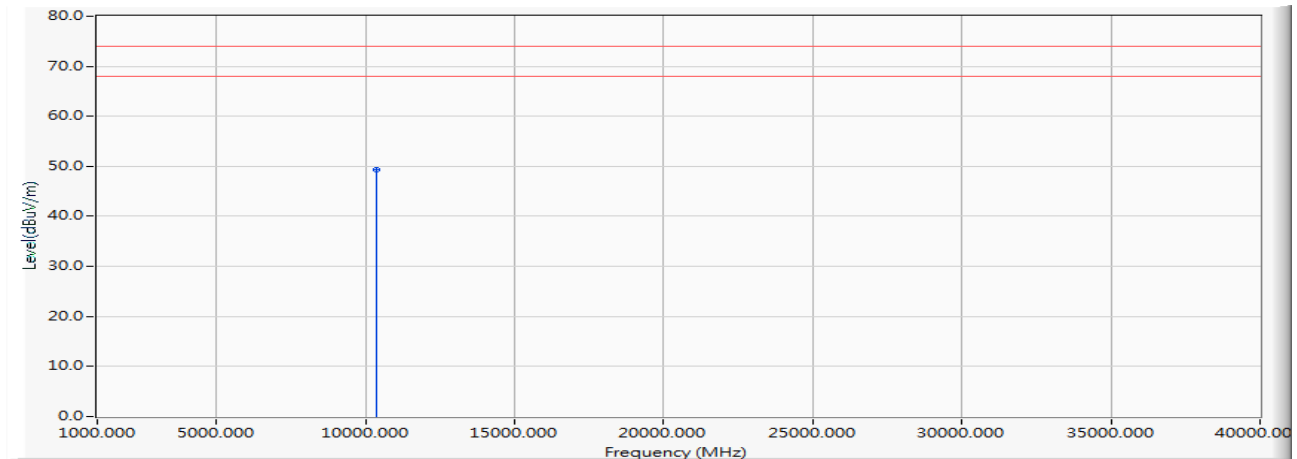
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



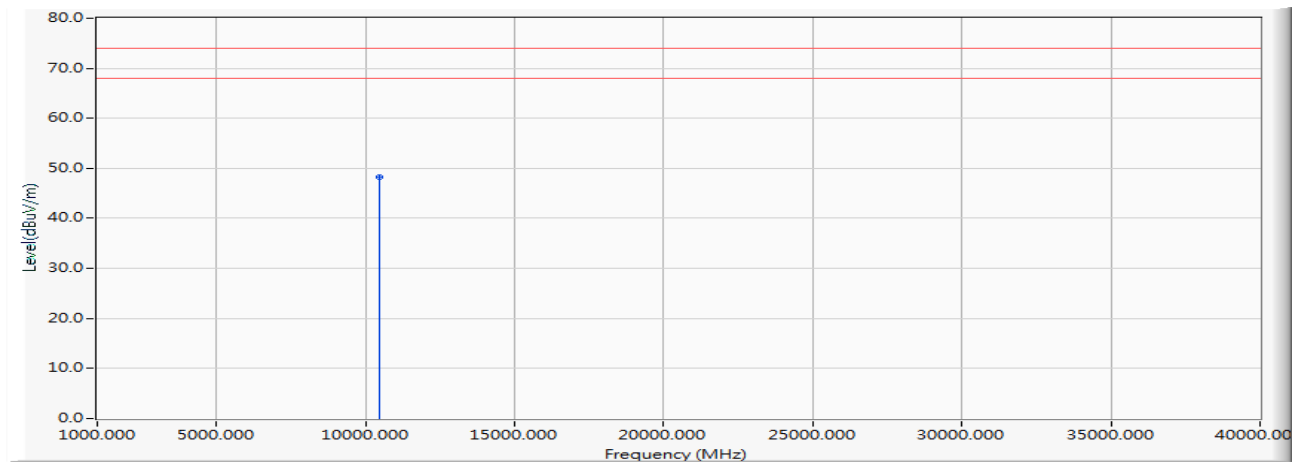
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



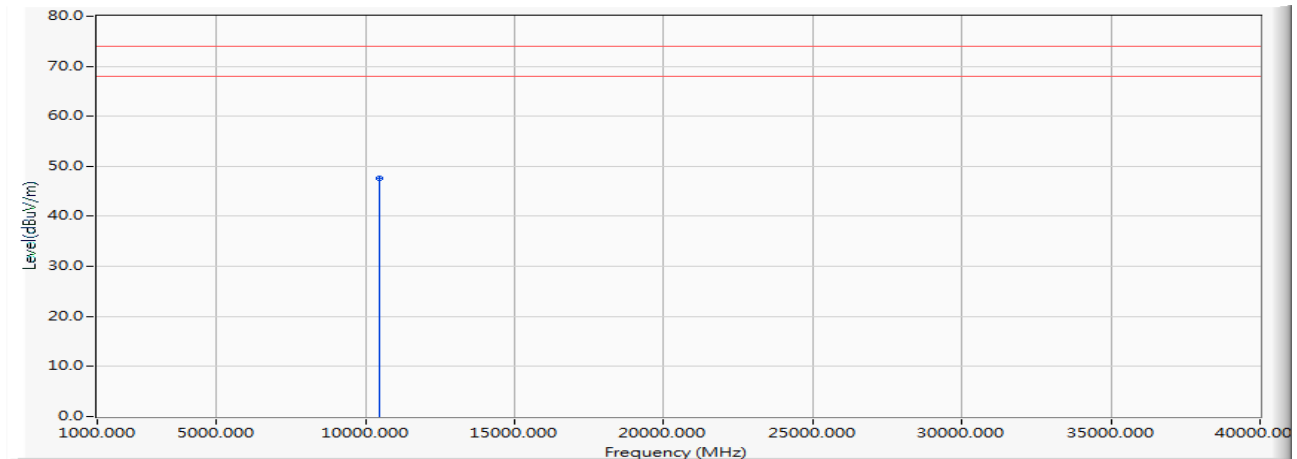
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



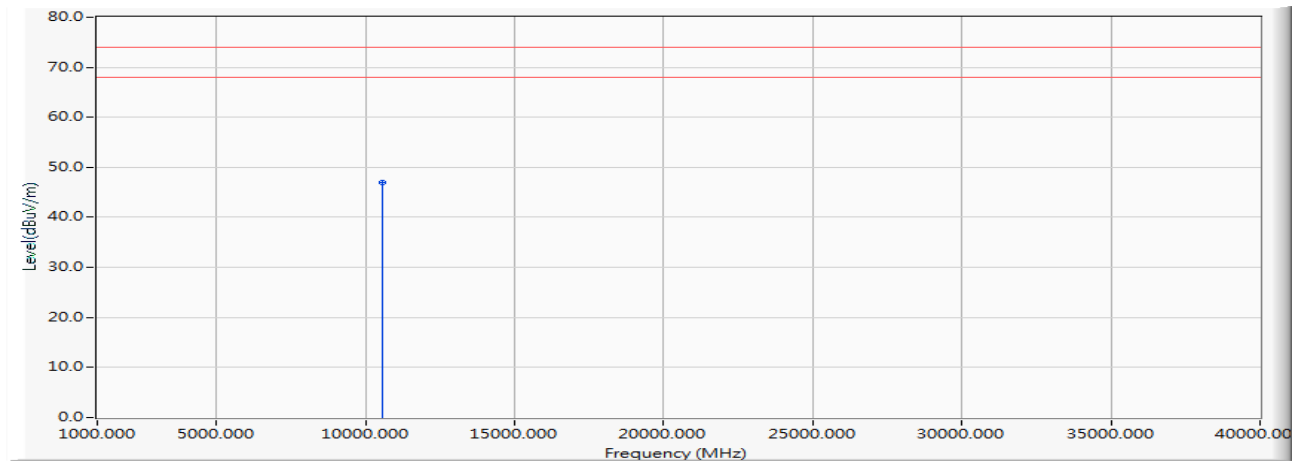
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



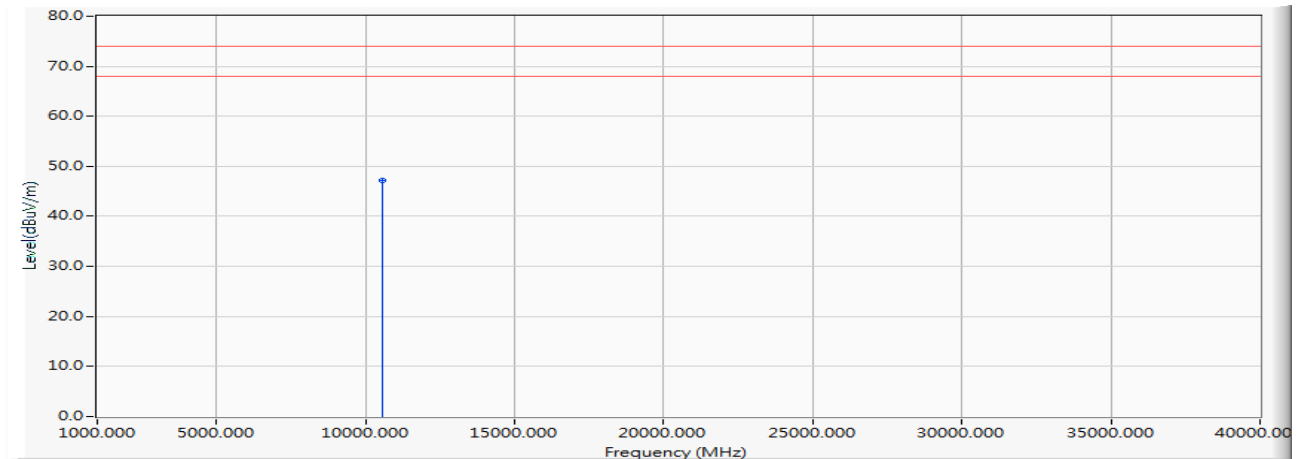
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|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

## Vertical



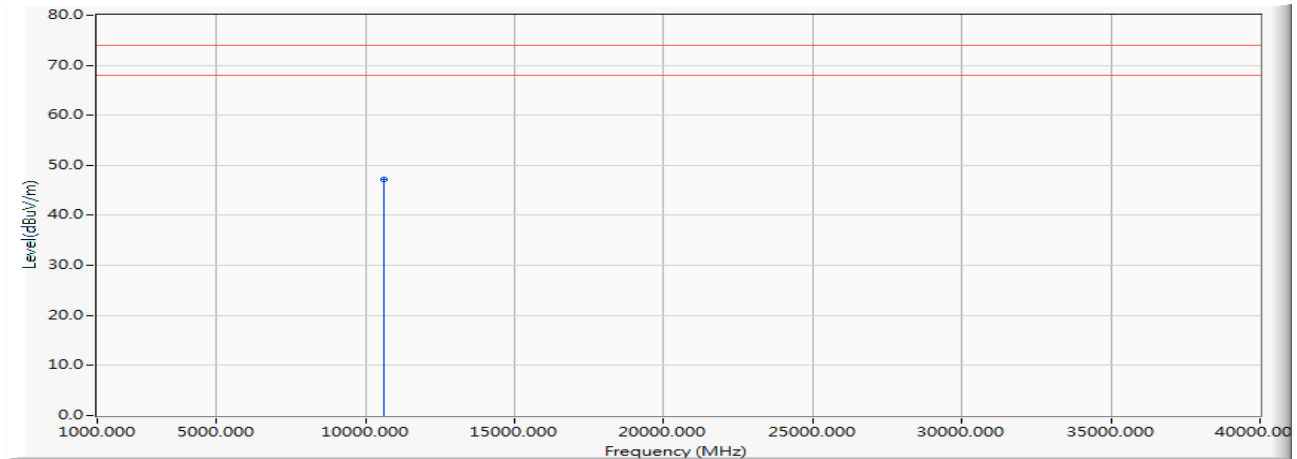
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



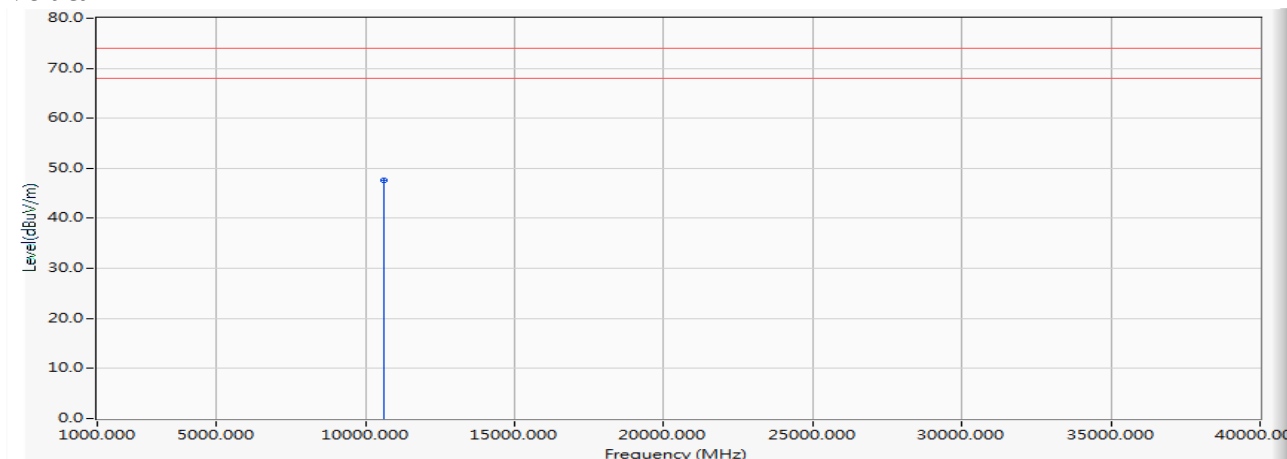
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|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

## Vertical



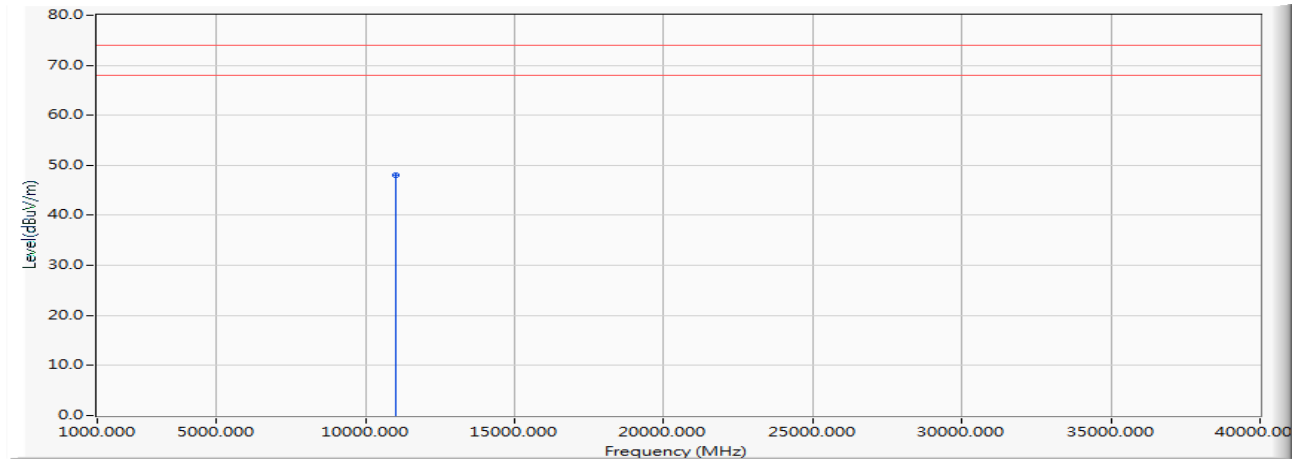
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



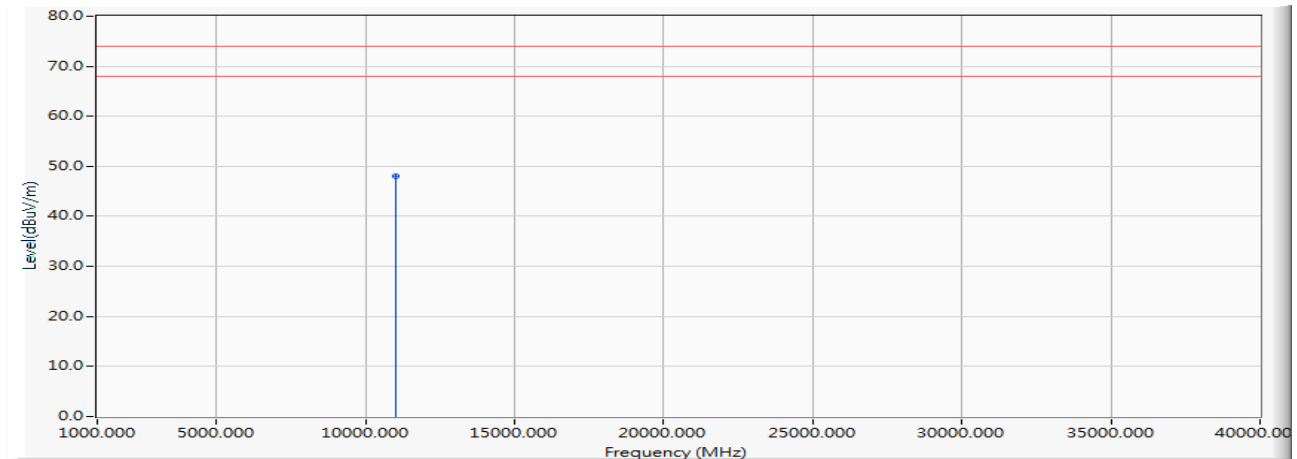
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



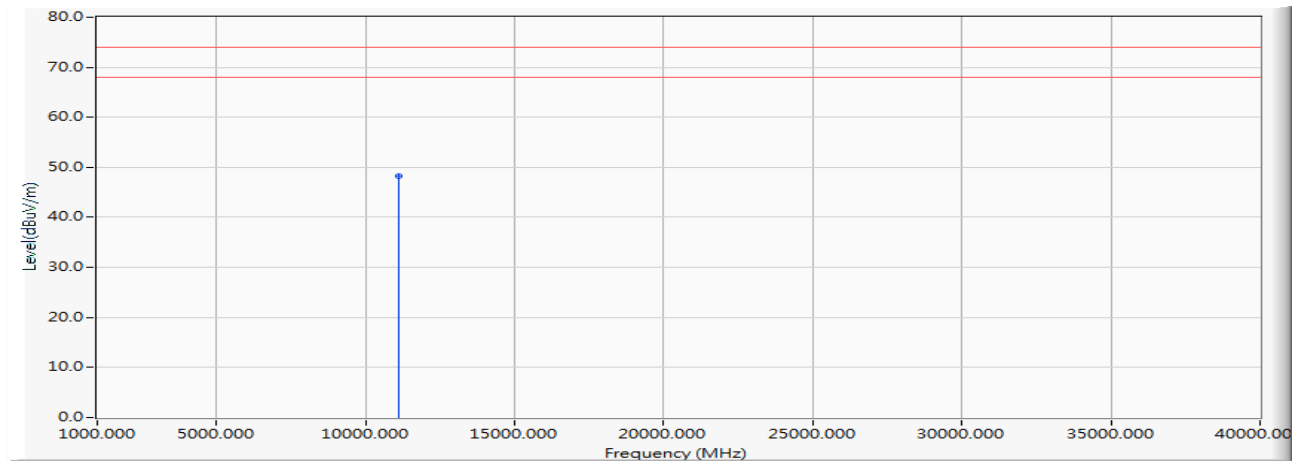
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



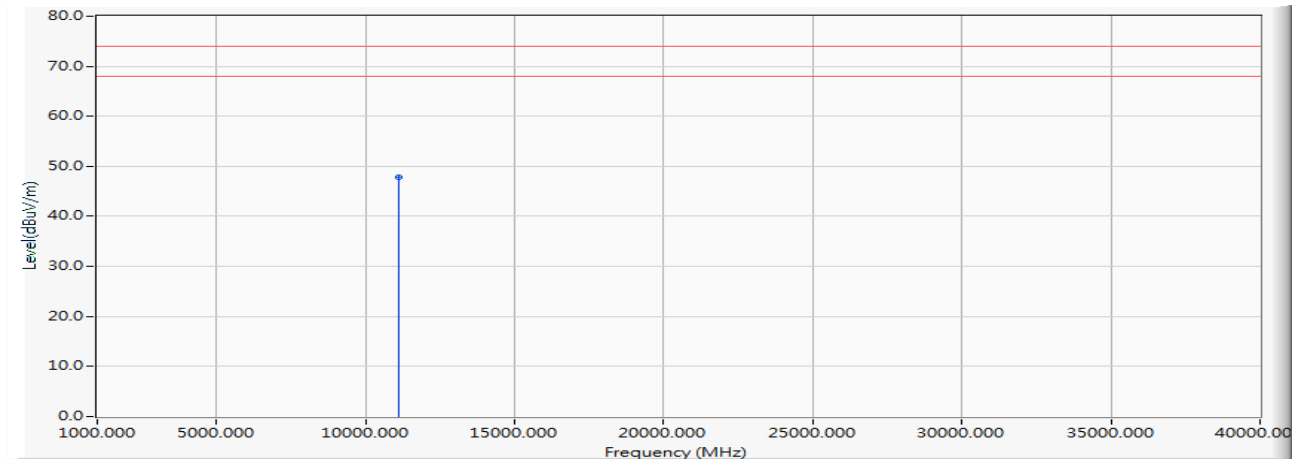
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



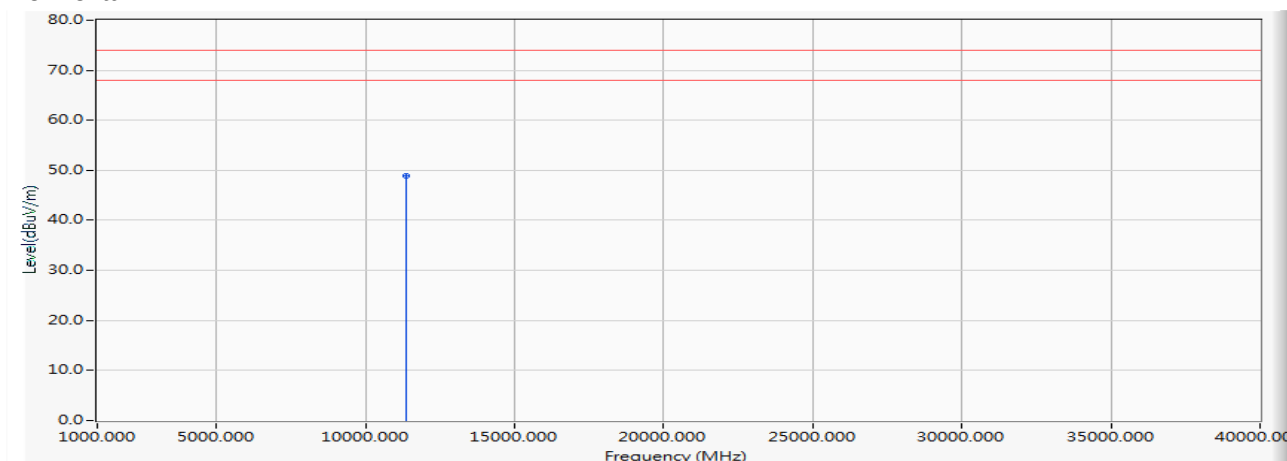
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



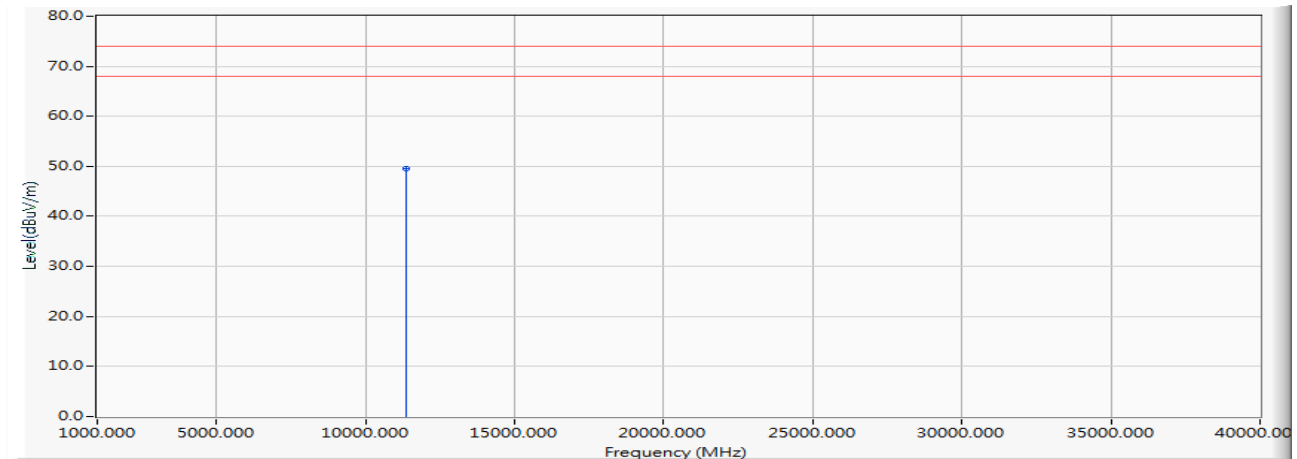
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



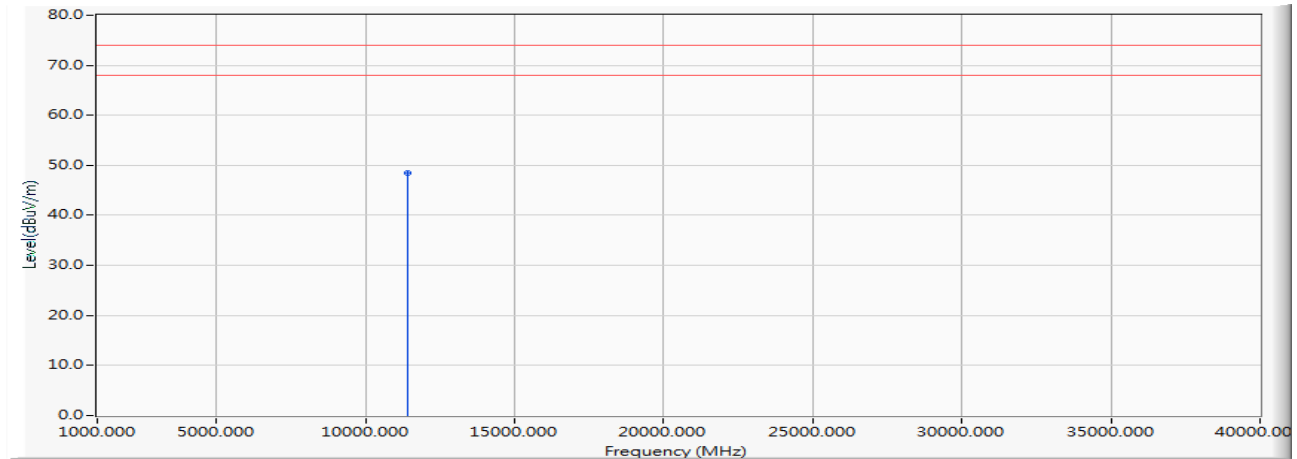
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



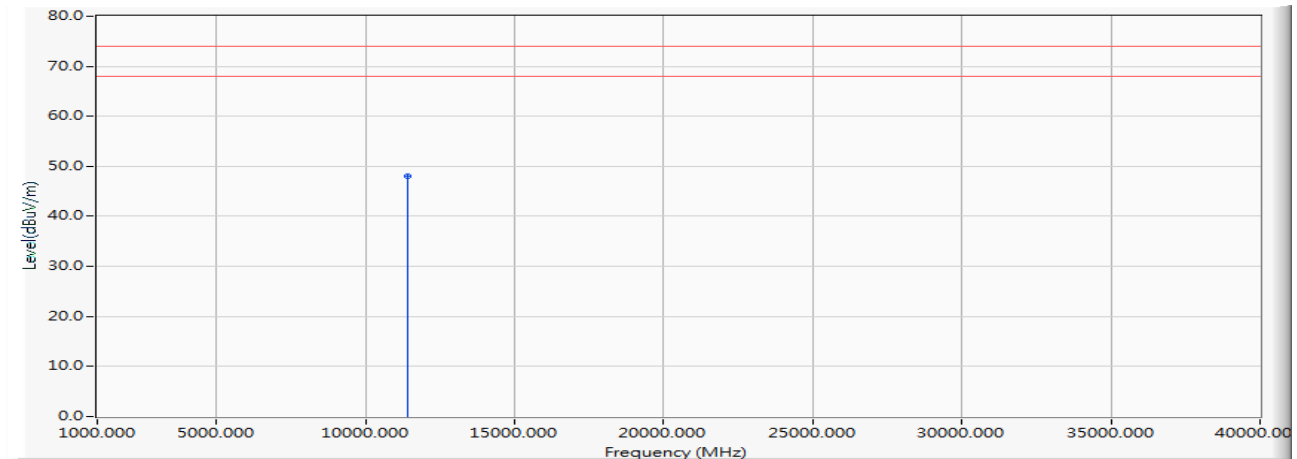
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



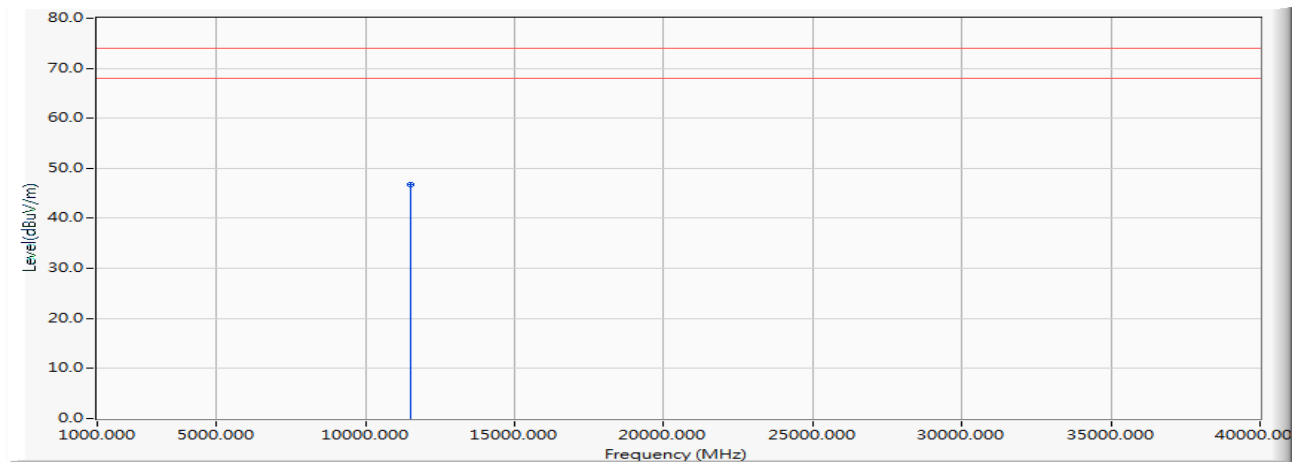
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



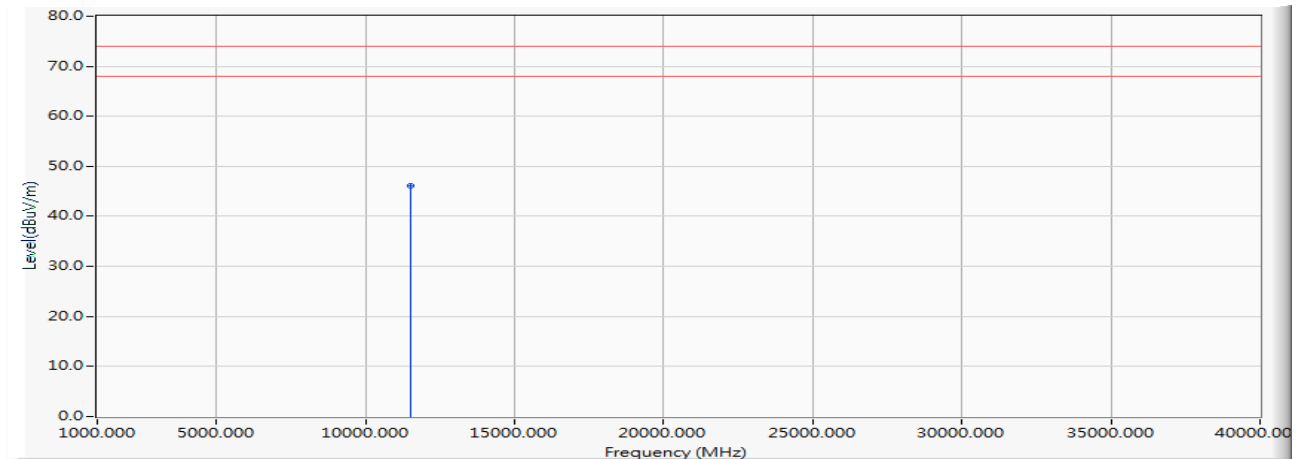
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



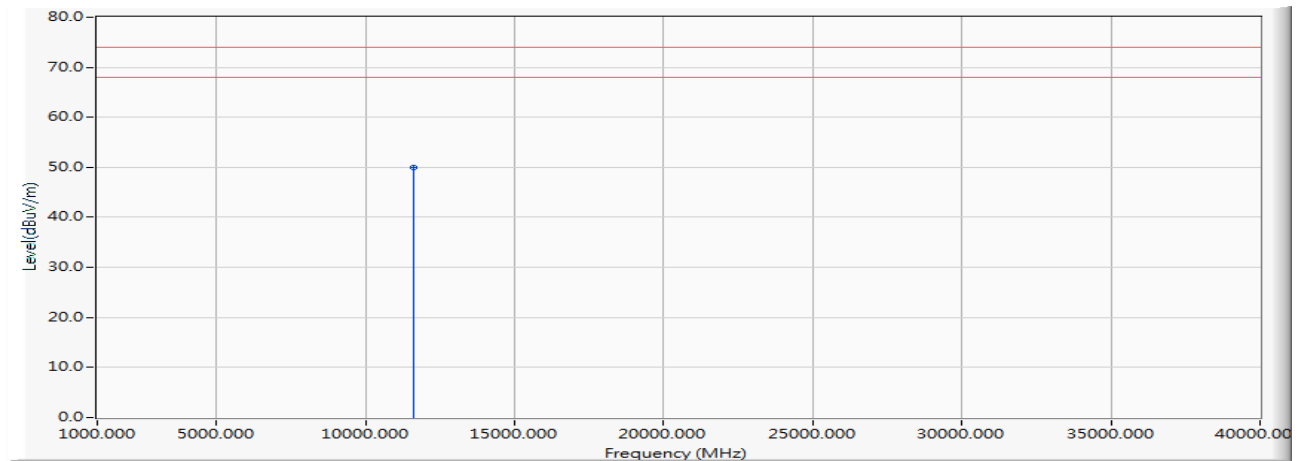
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



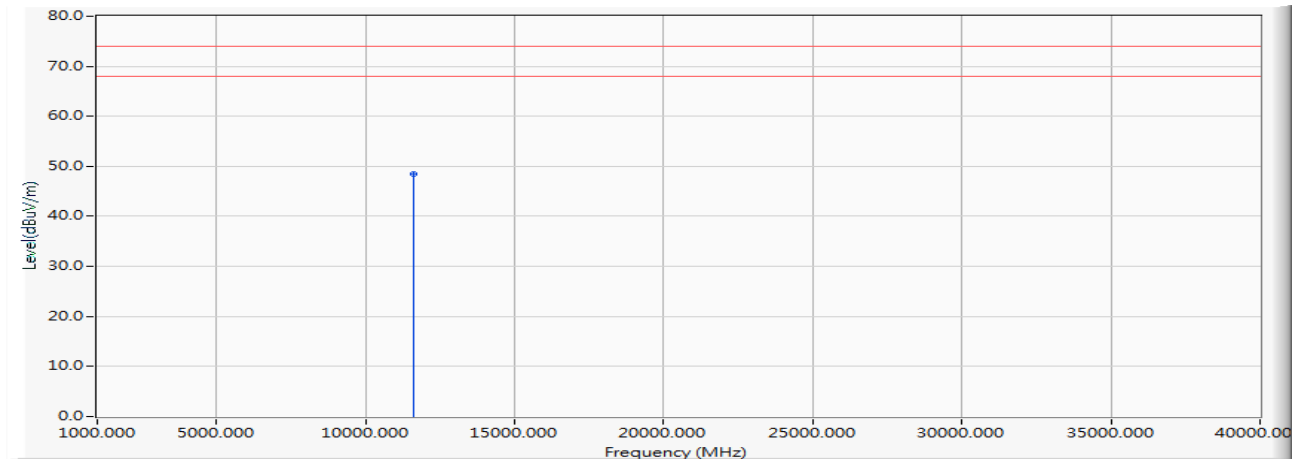
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



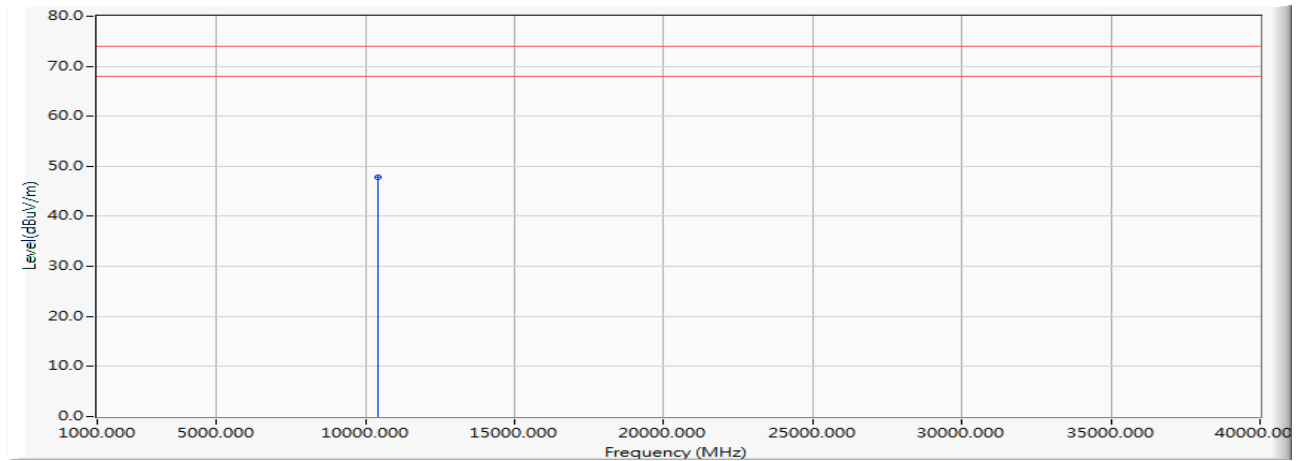
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



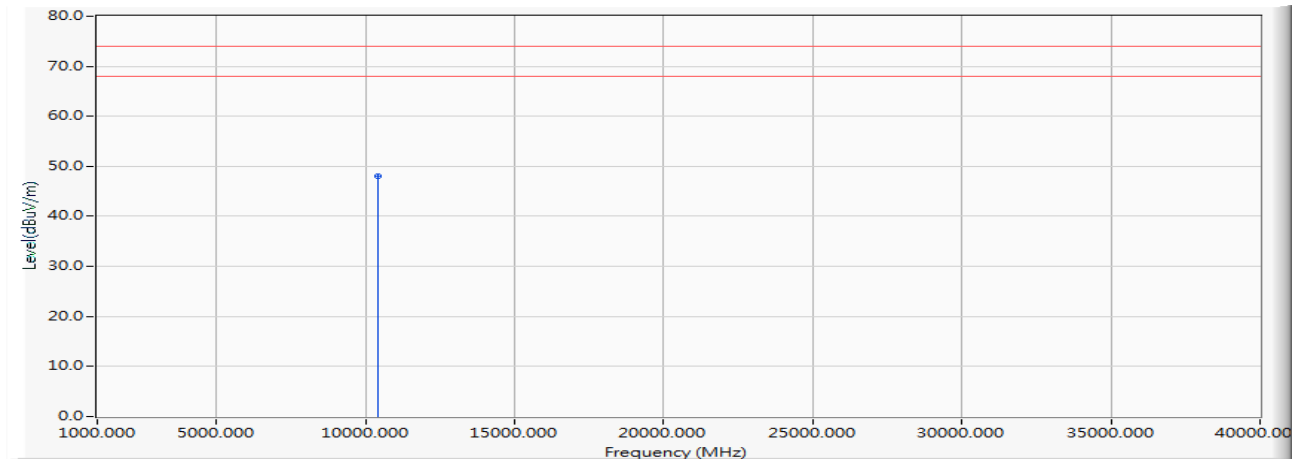
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



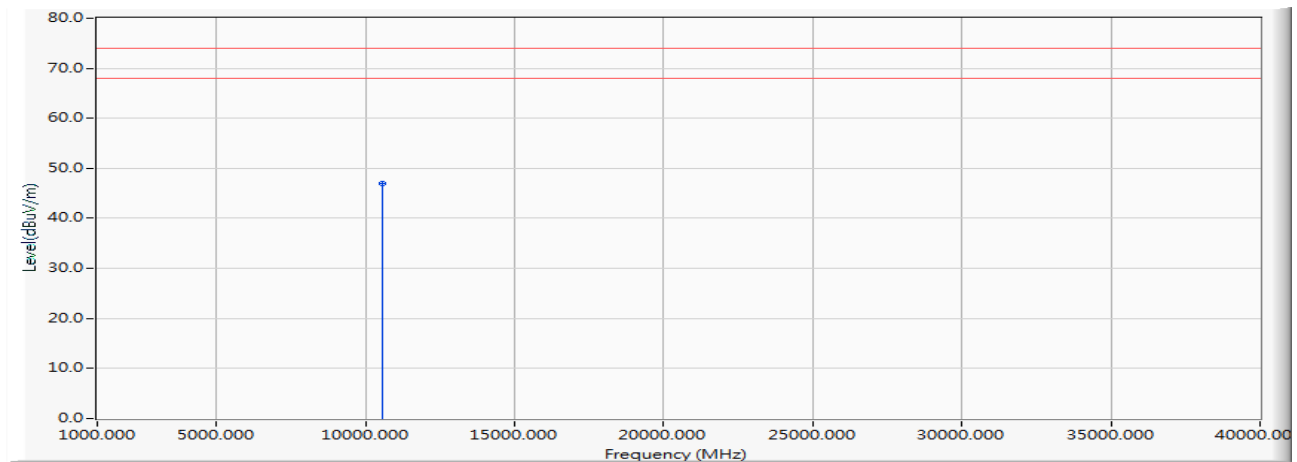
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



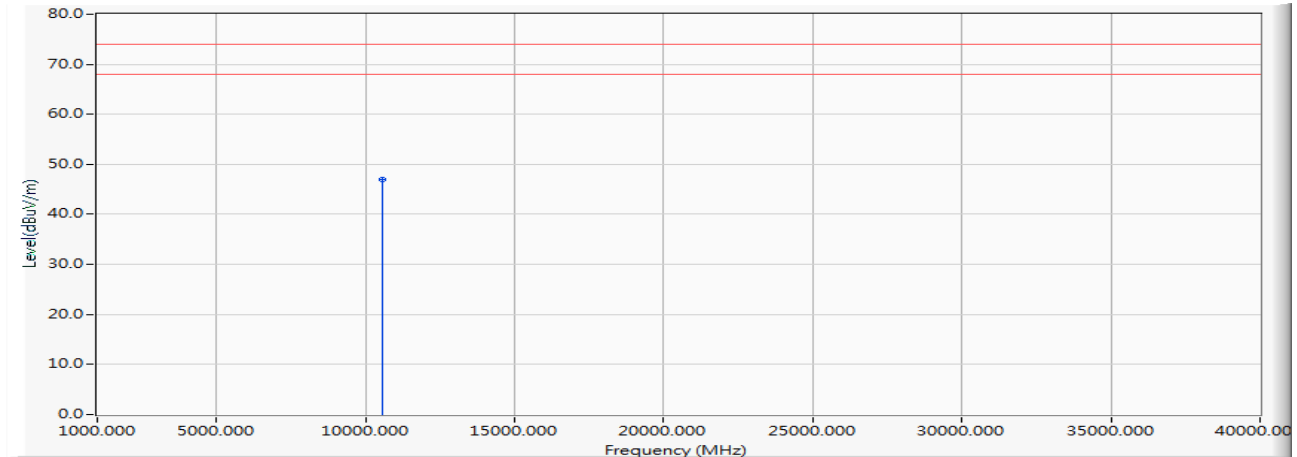
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



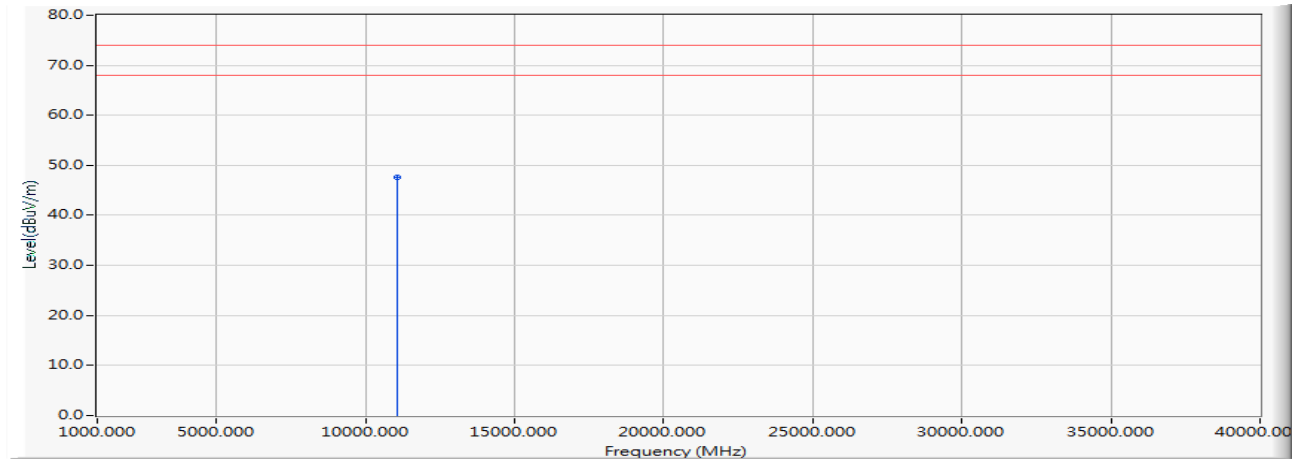
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



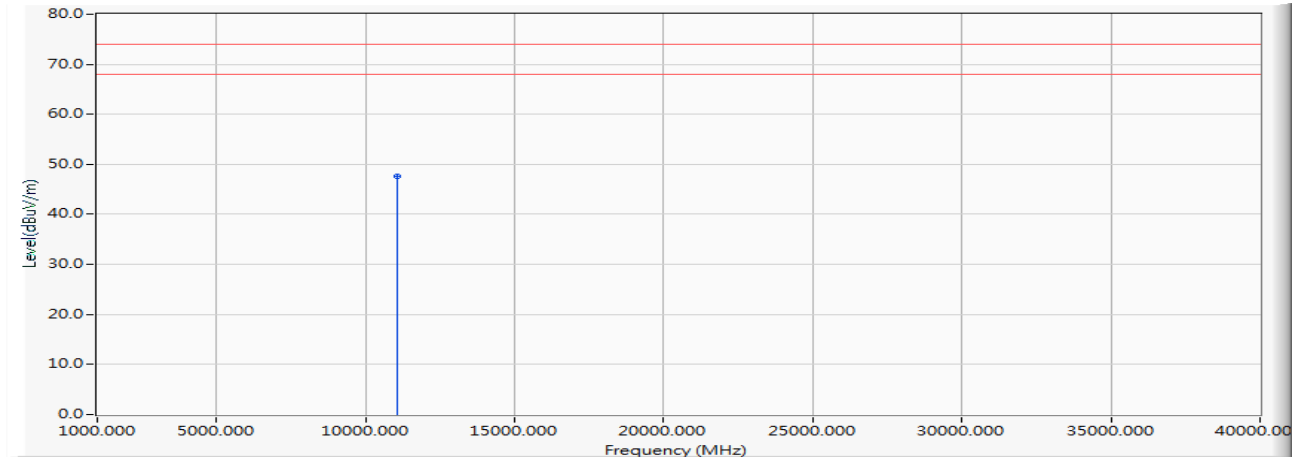
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



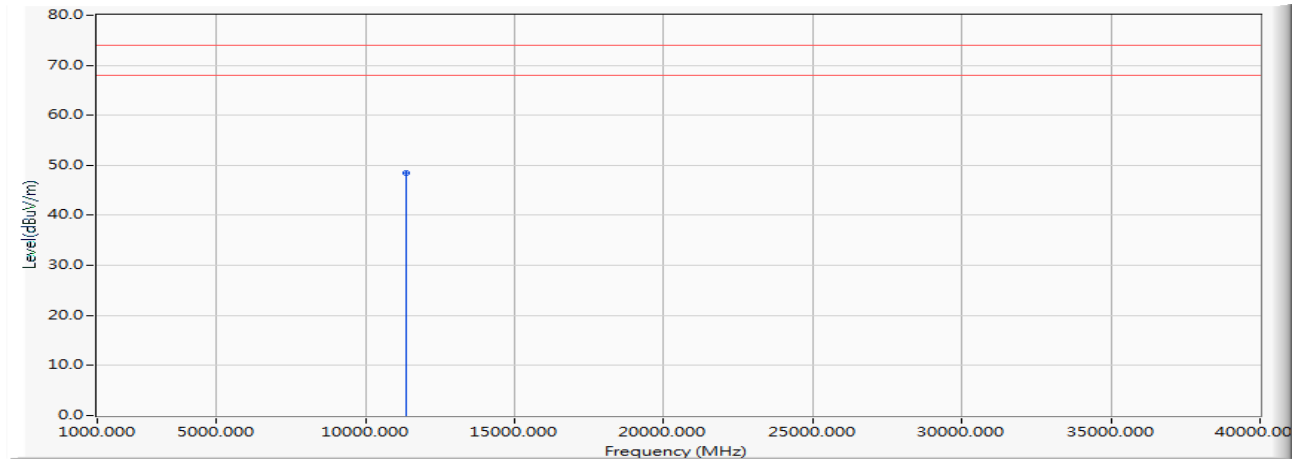
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



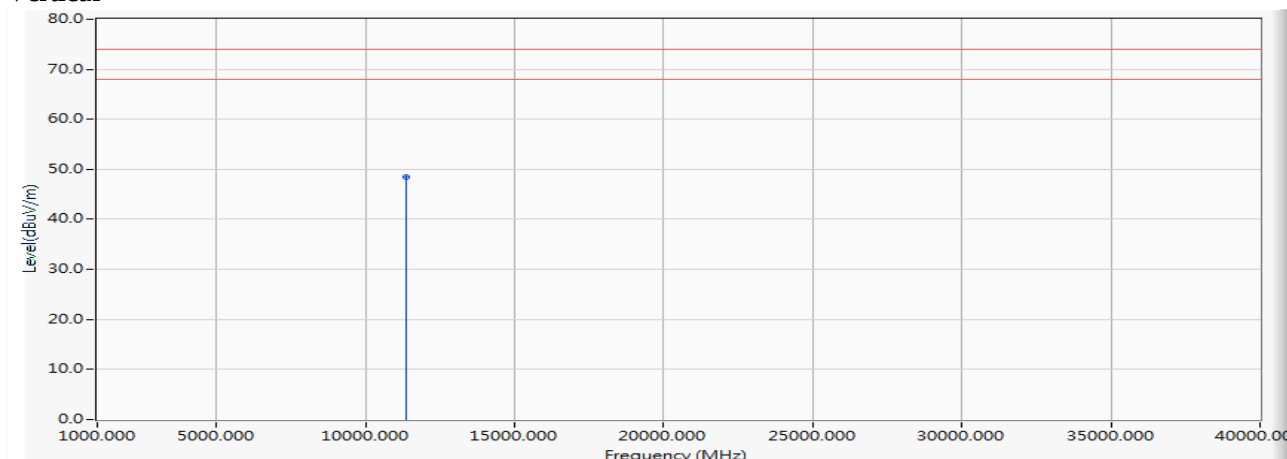
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



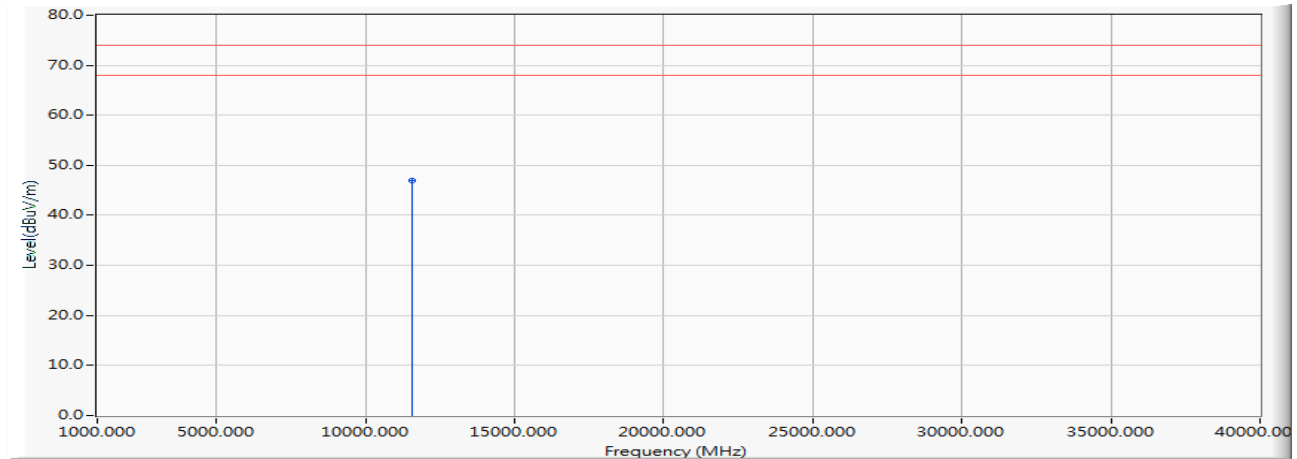
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



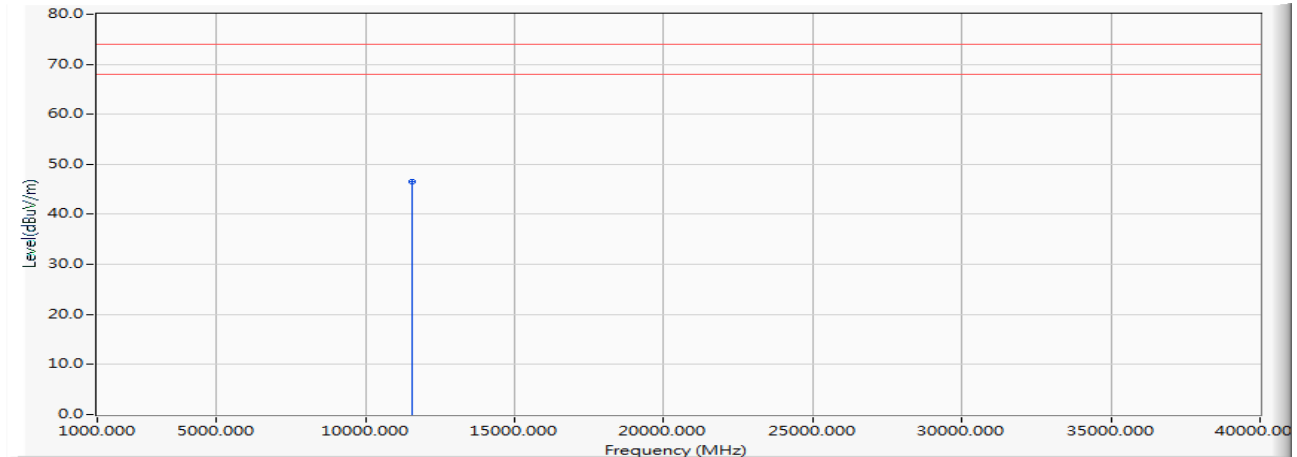
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



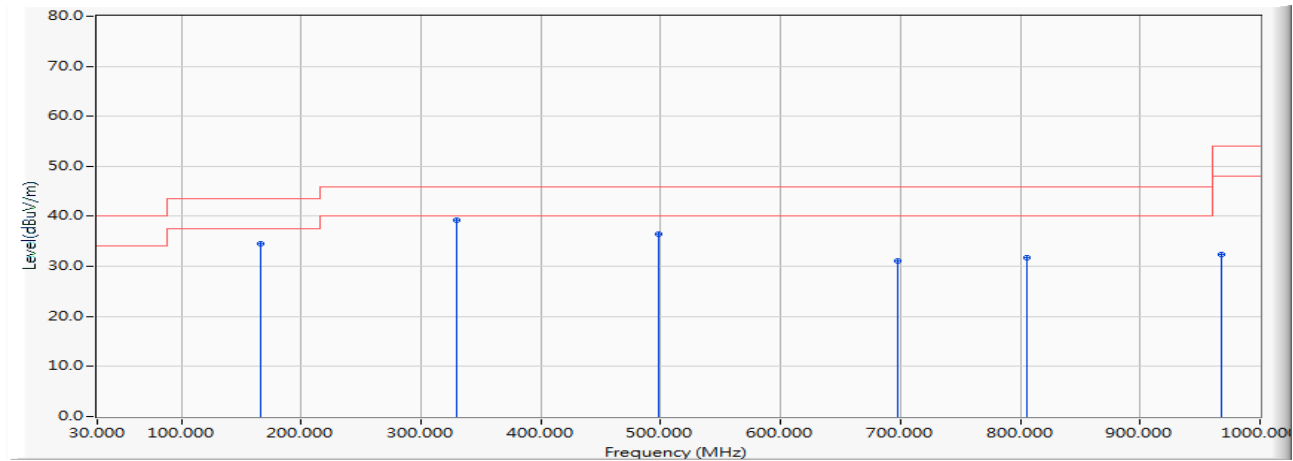
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



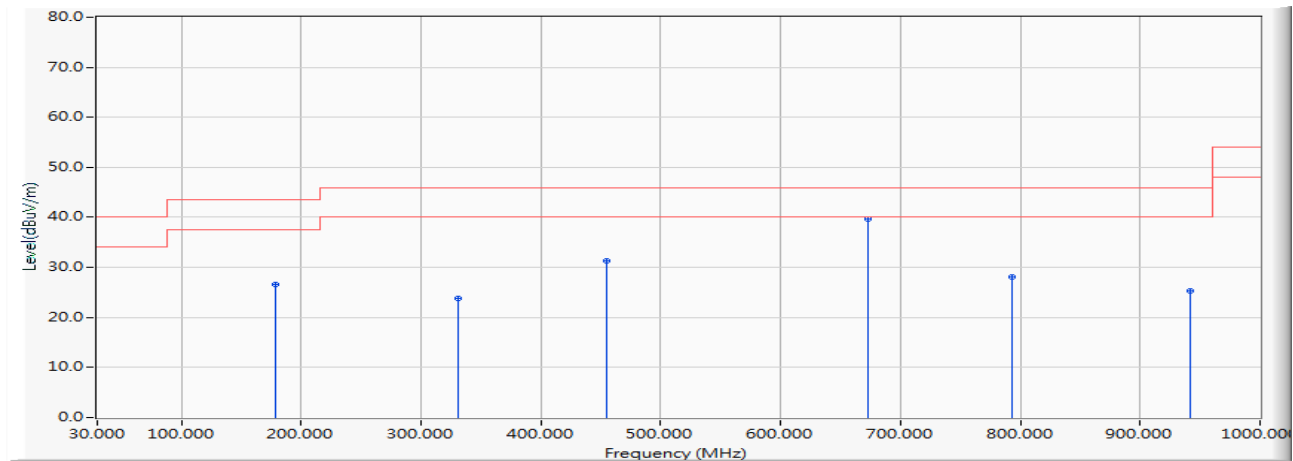
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



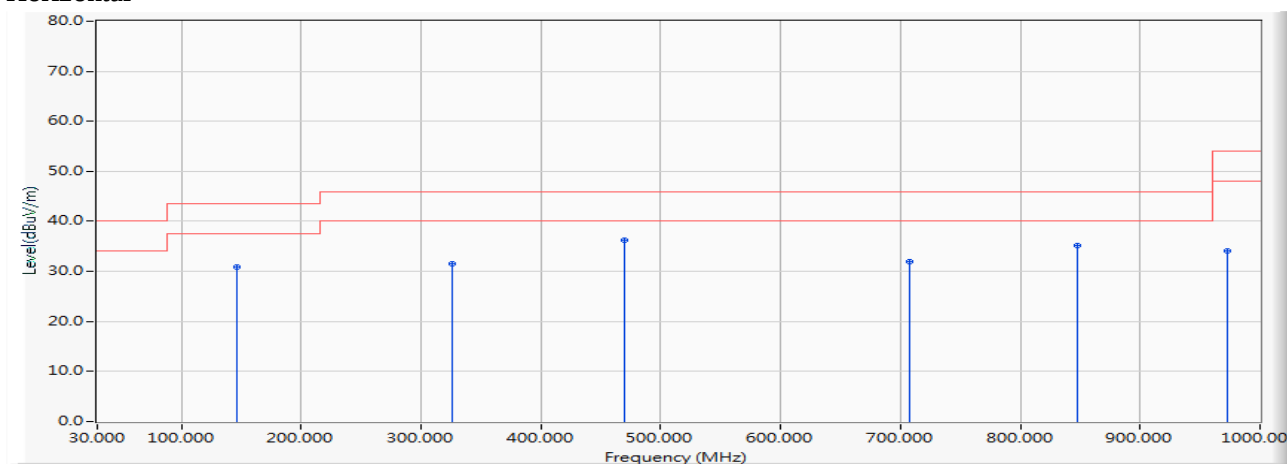
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



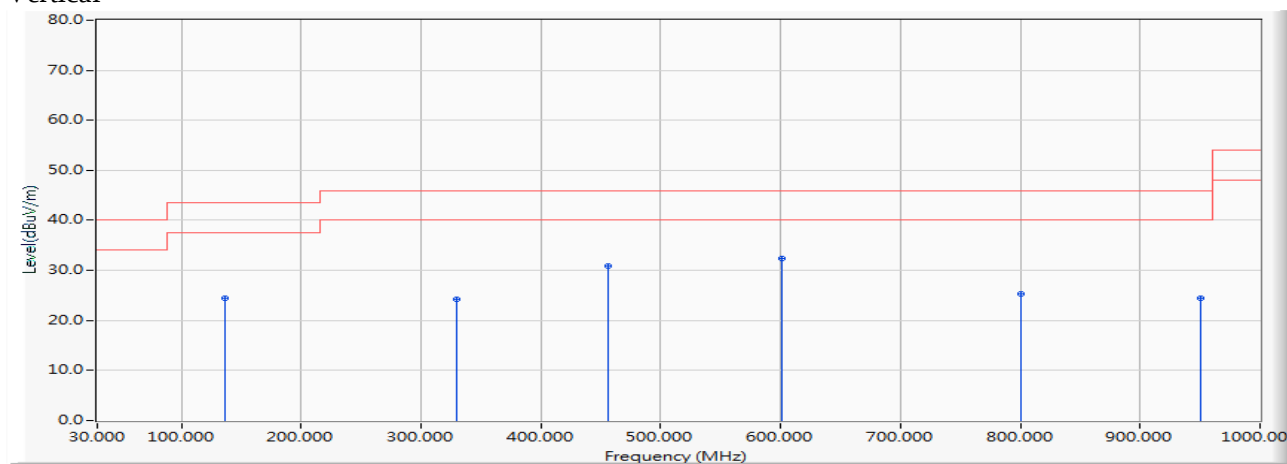
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



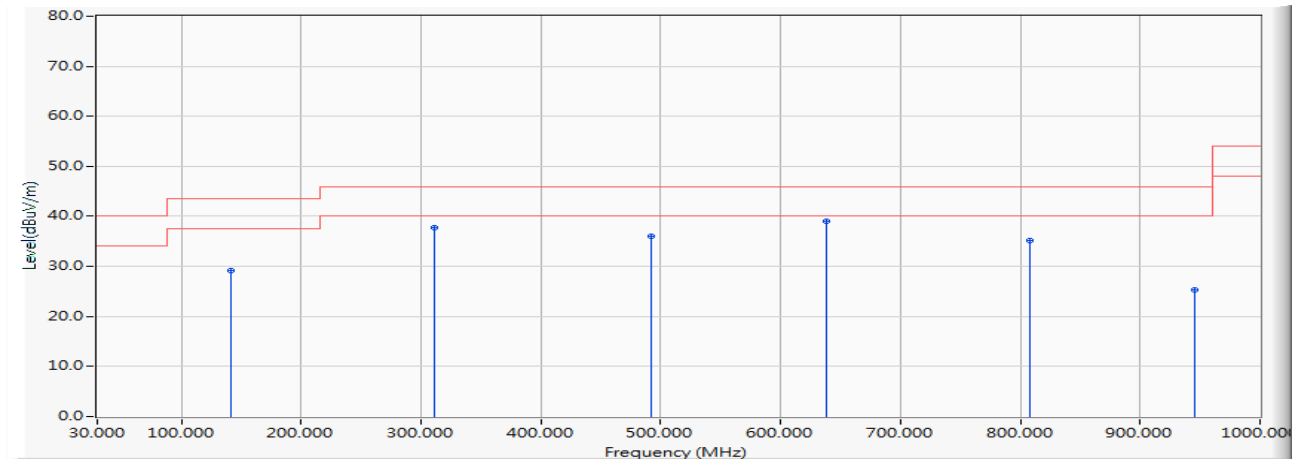
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



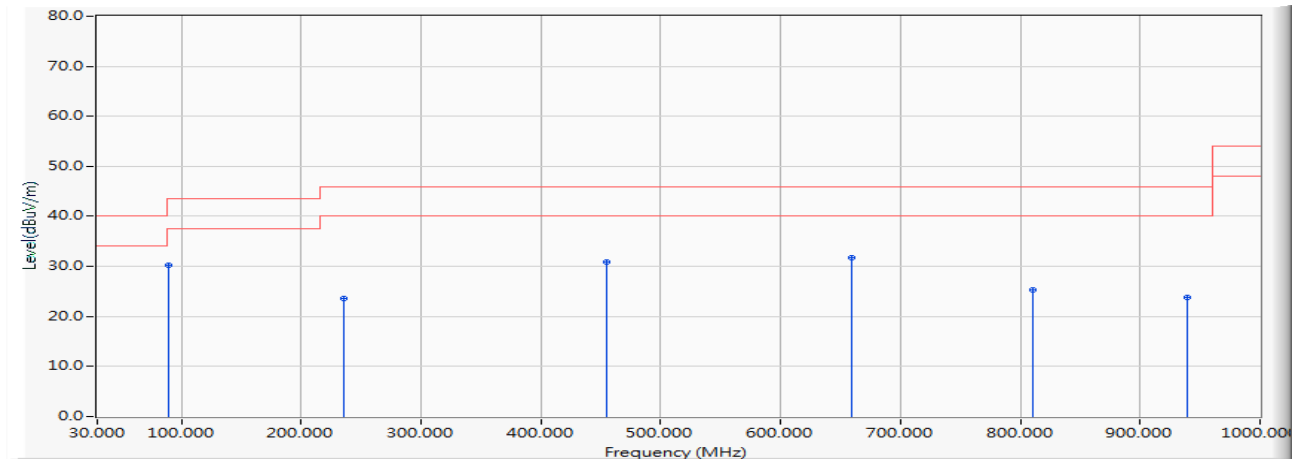
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



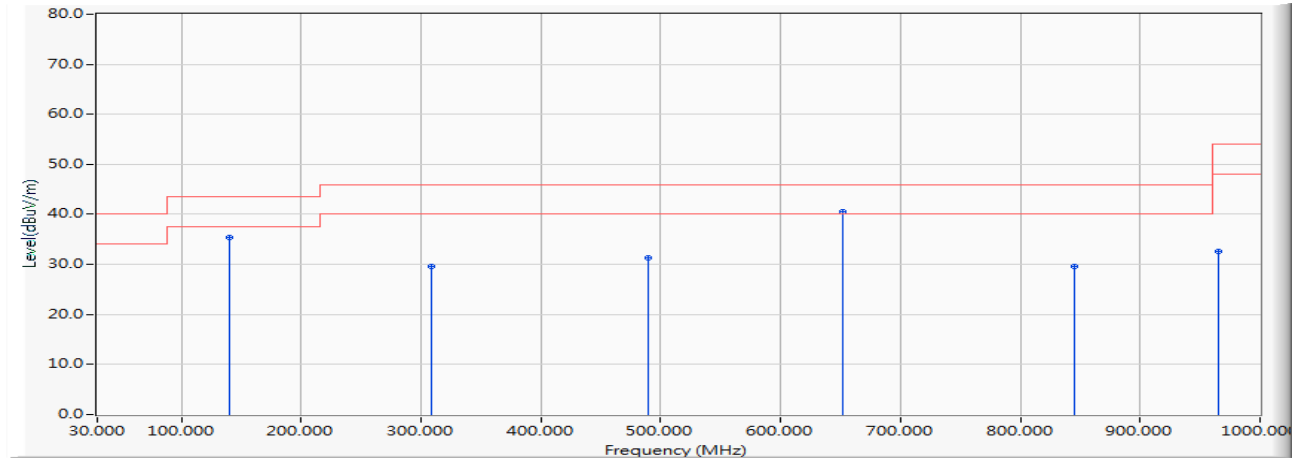
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



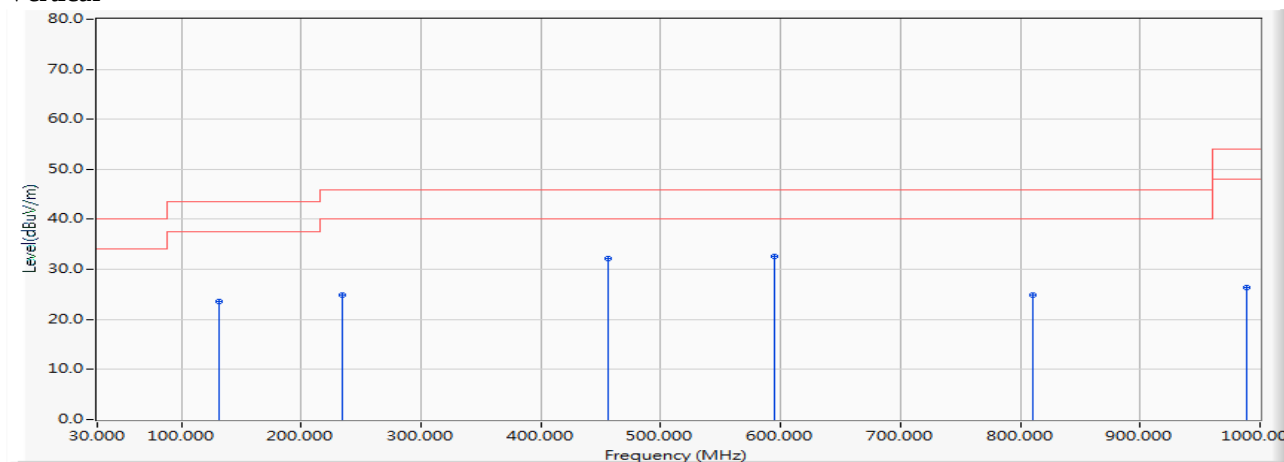
|   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



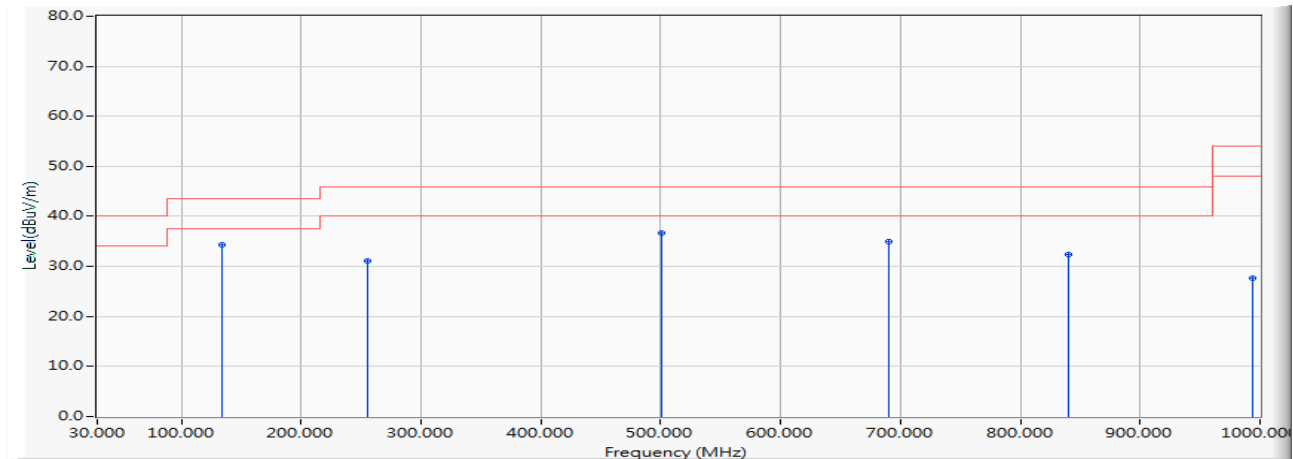
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



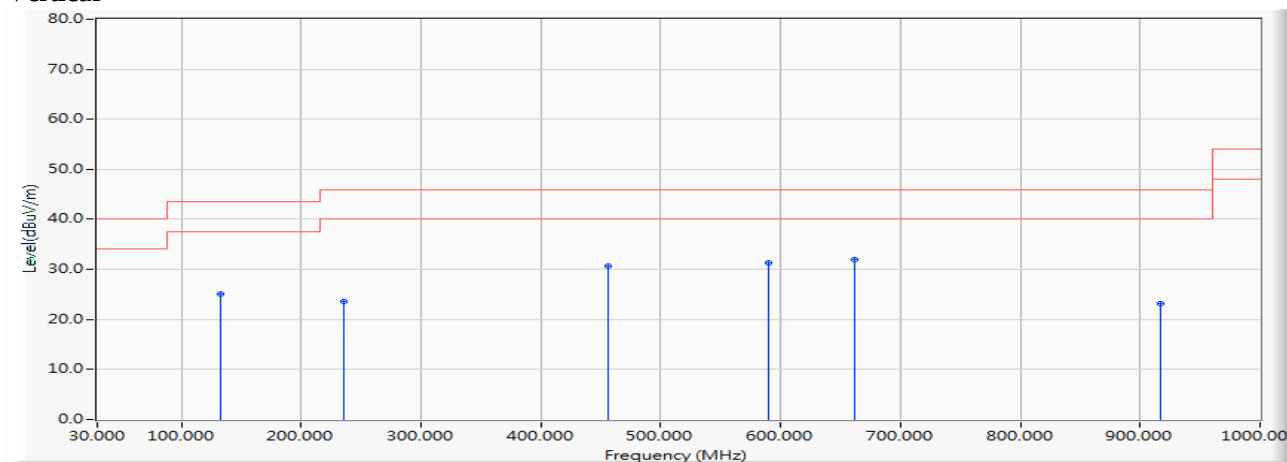
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



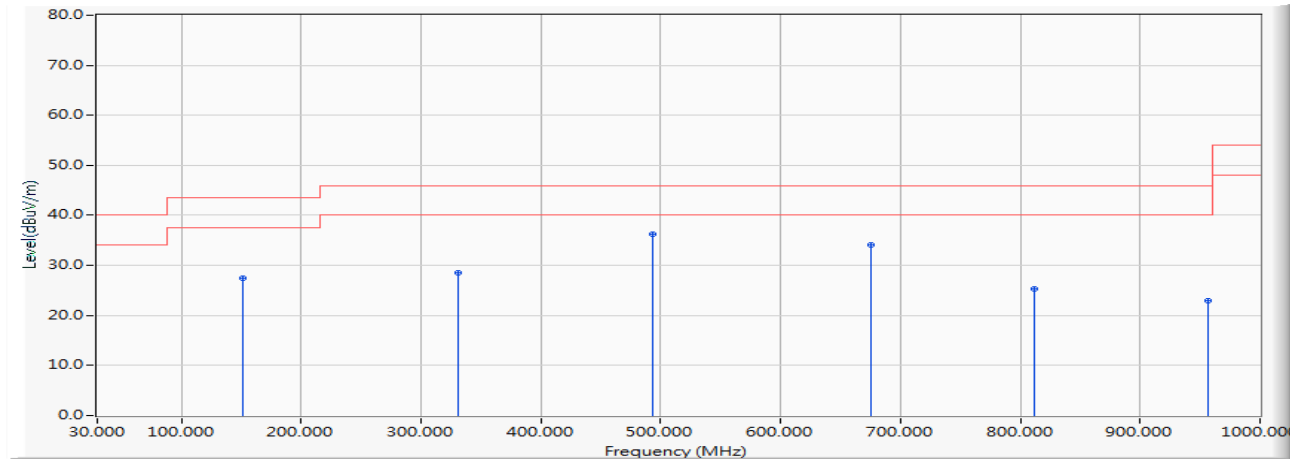
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



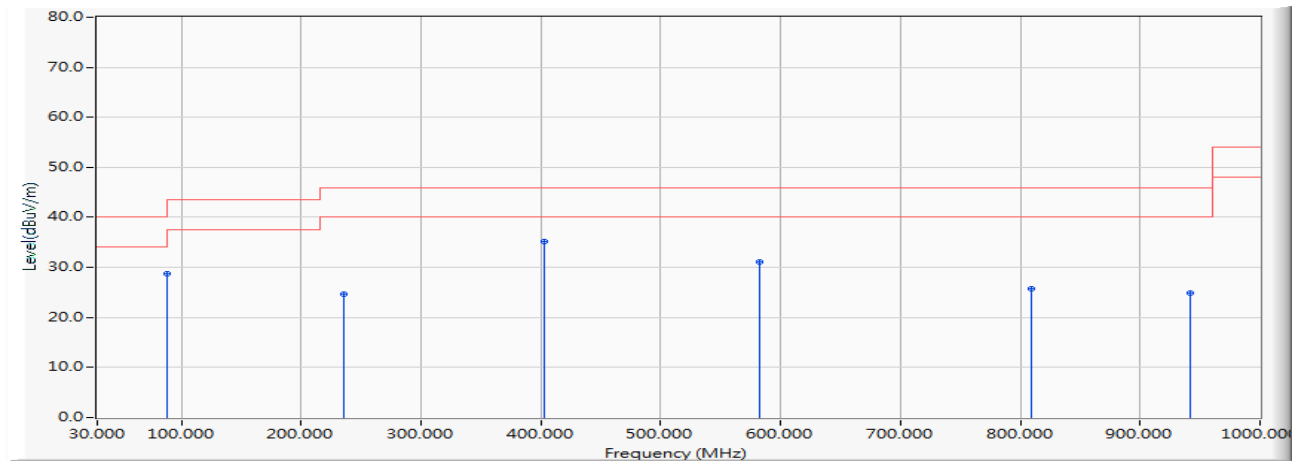
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



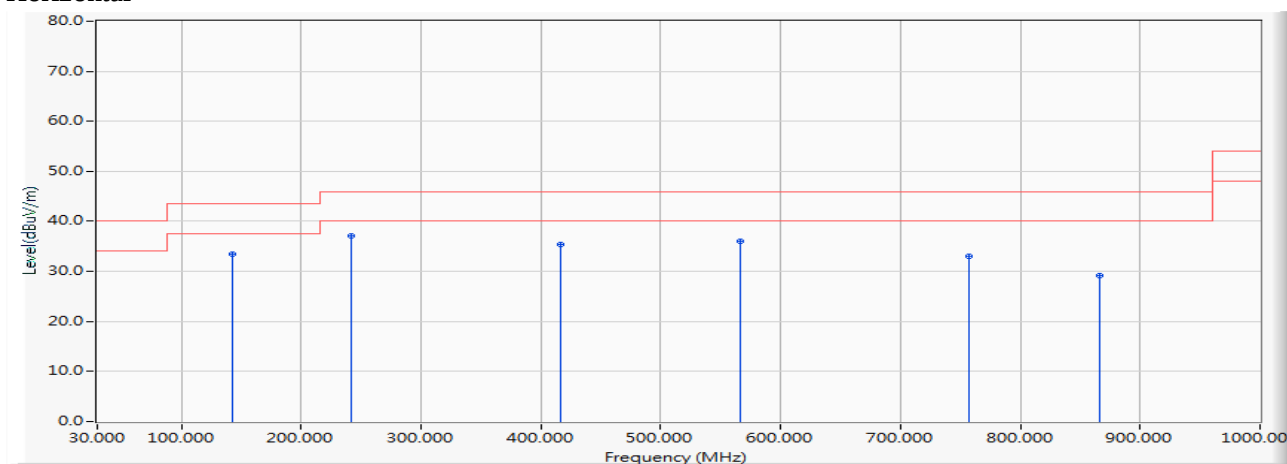
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



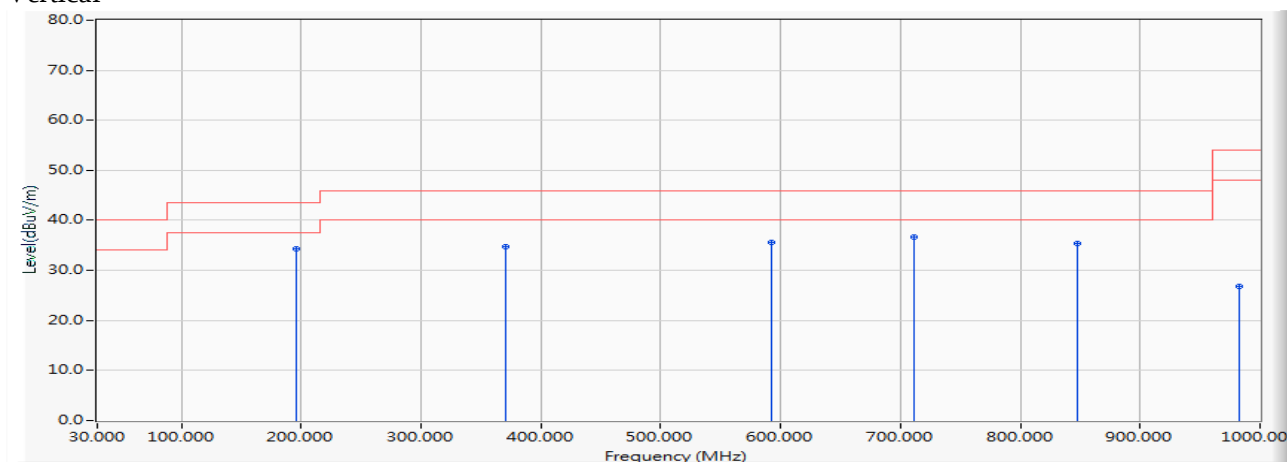
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



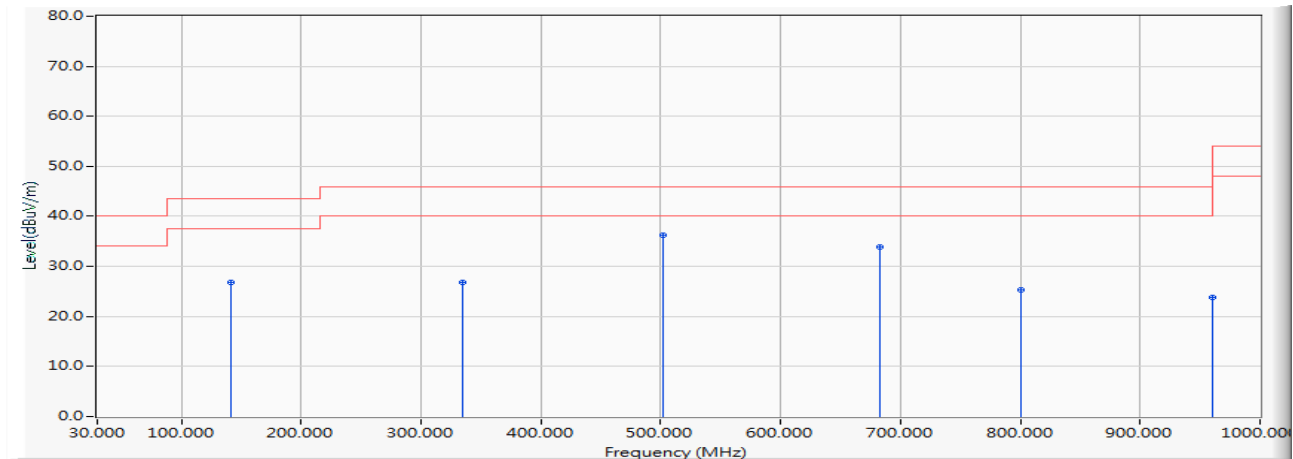
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



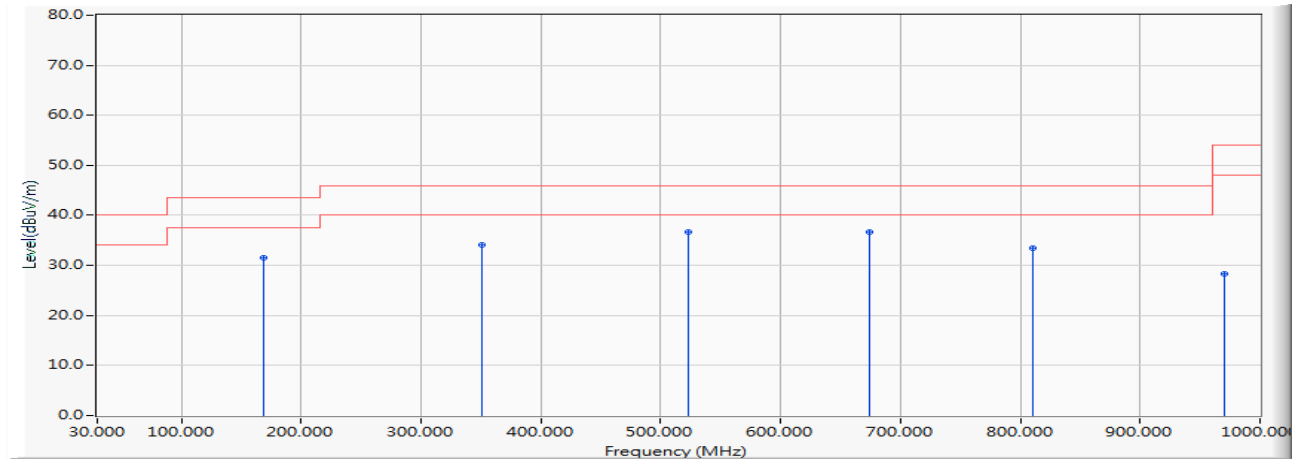
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



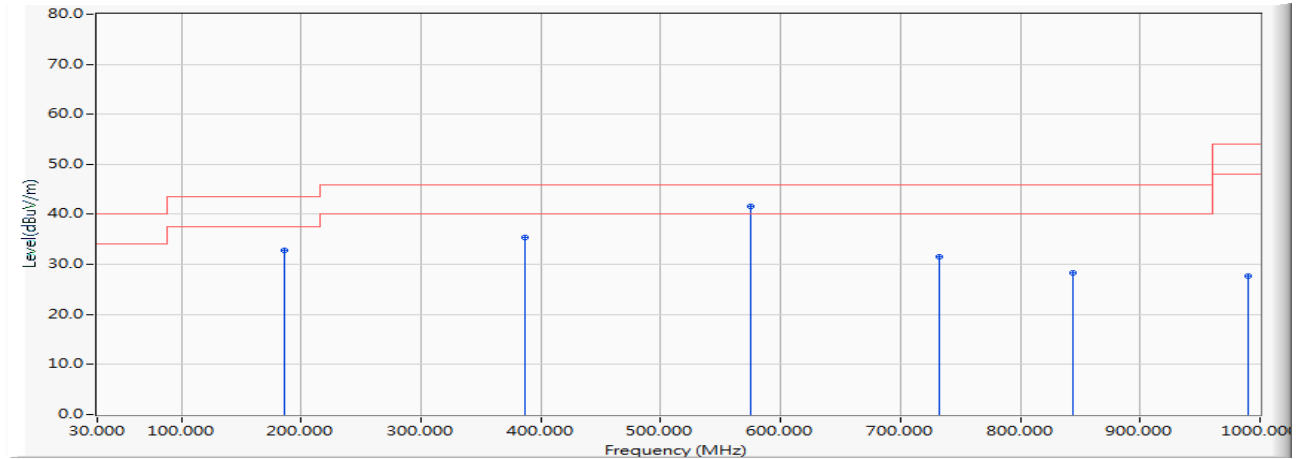
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



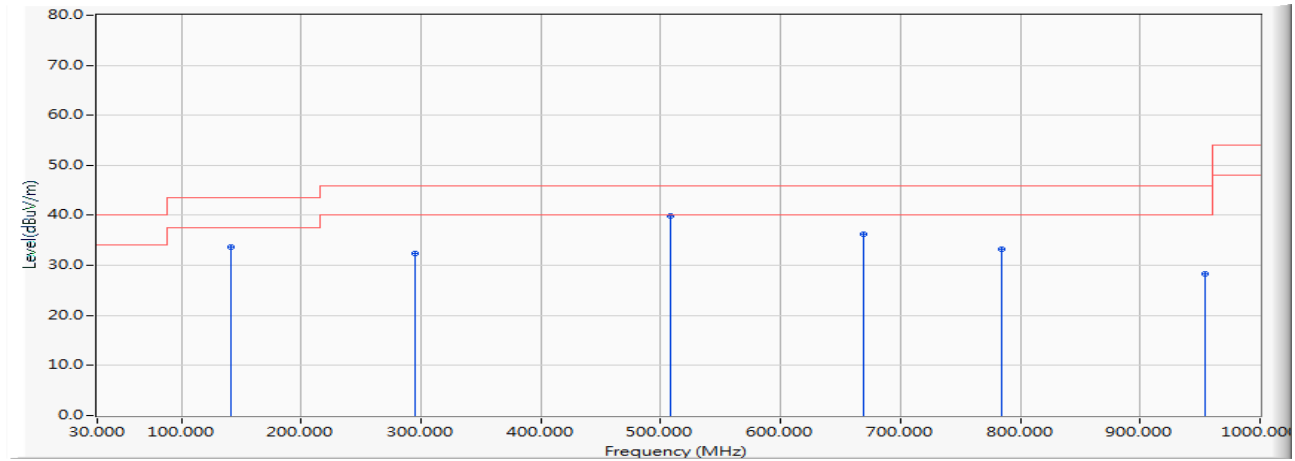
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



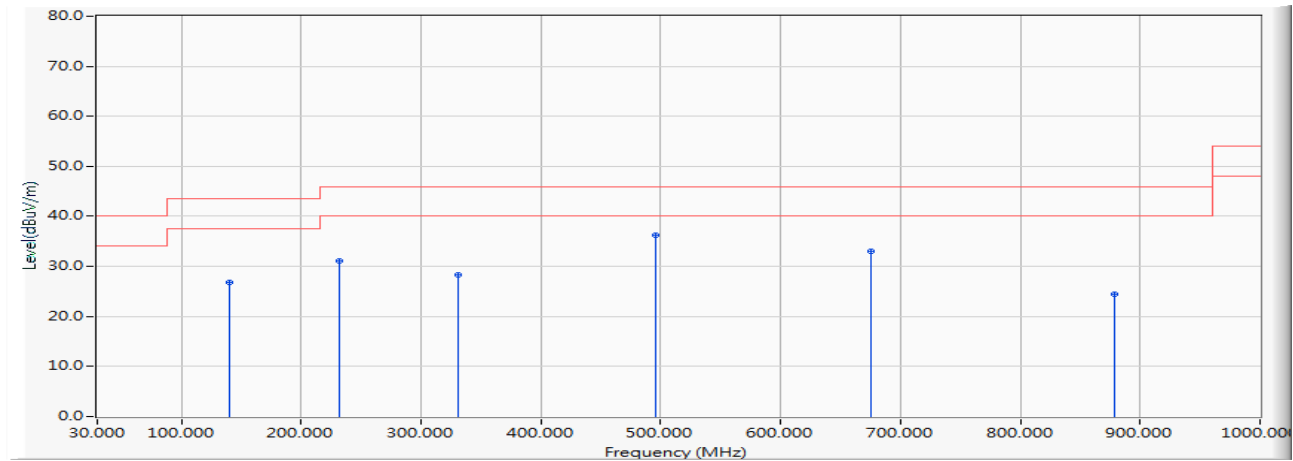
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



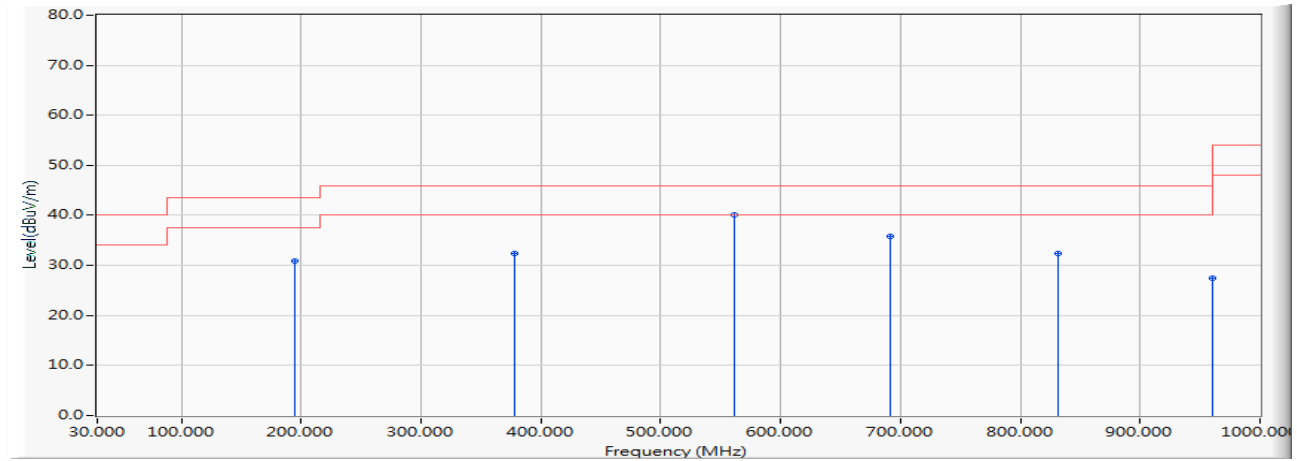
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



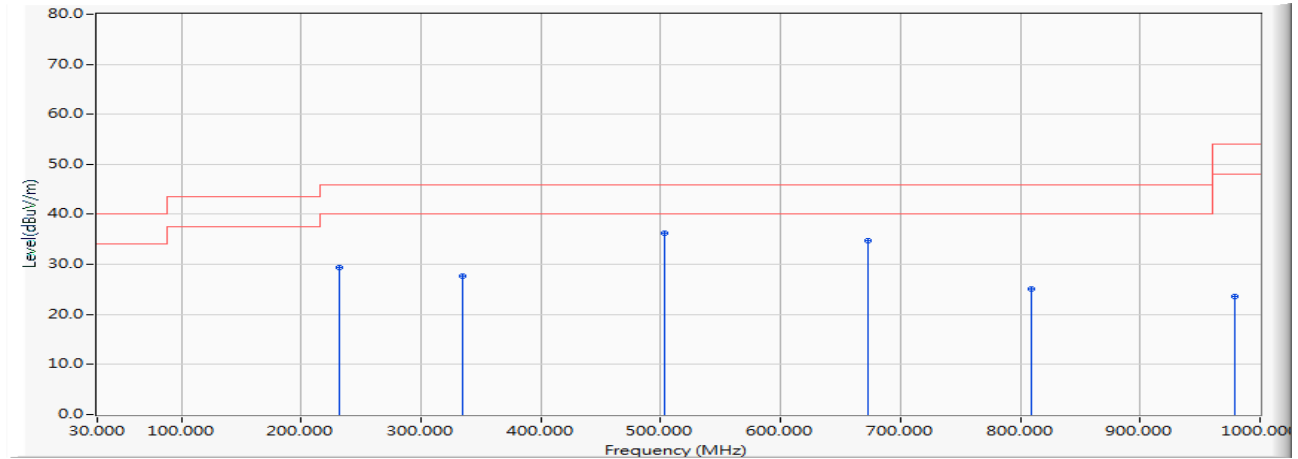
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



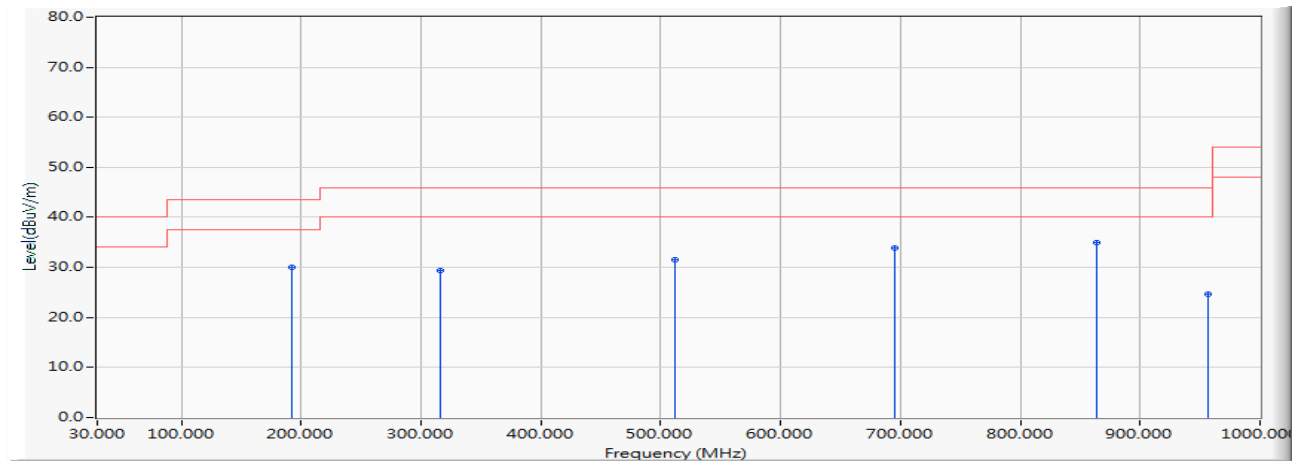
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



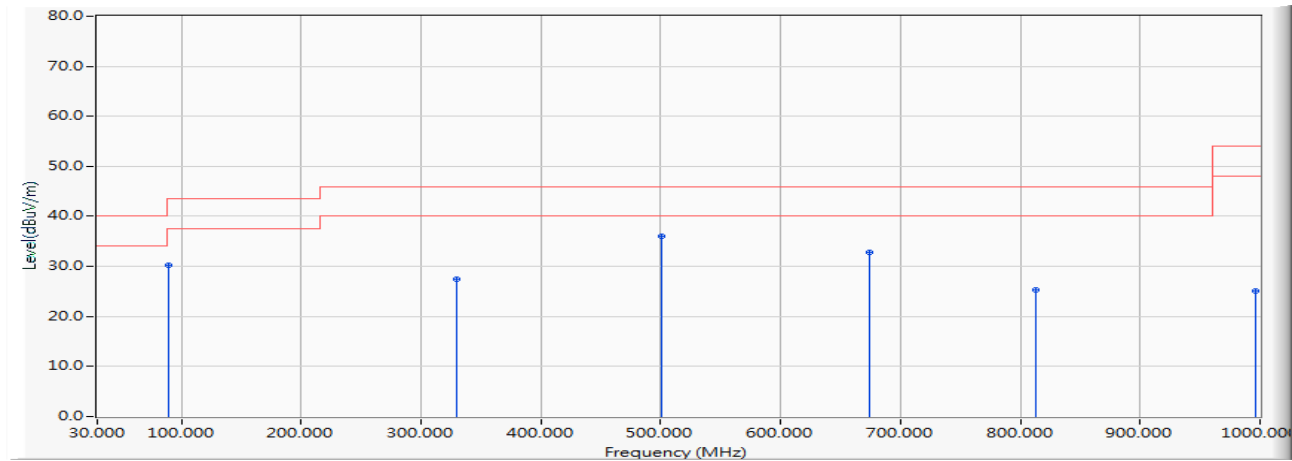
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



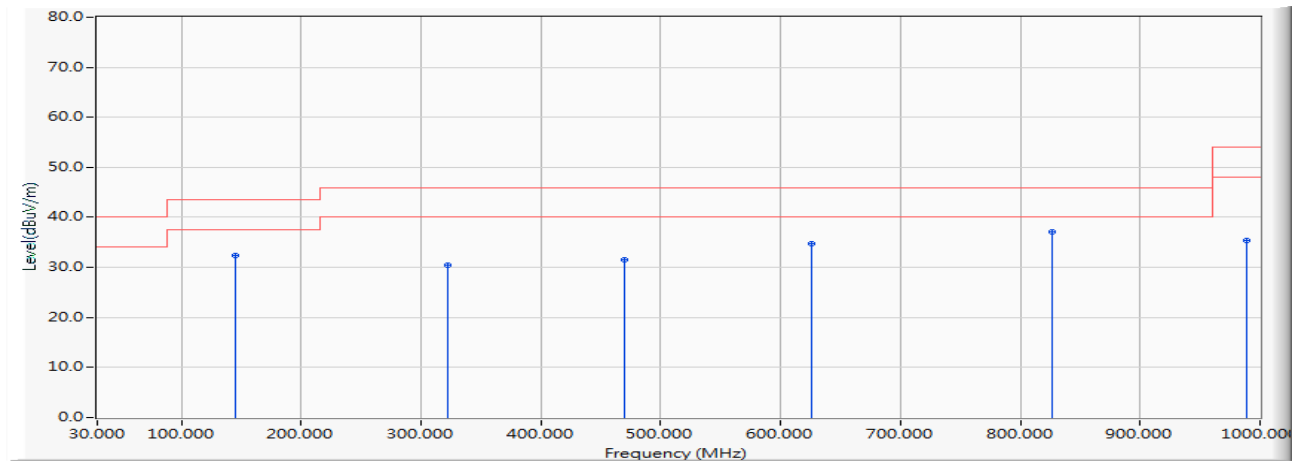
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



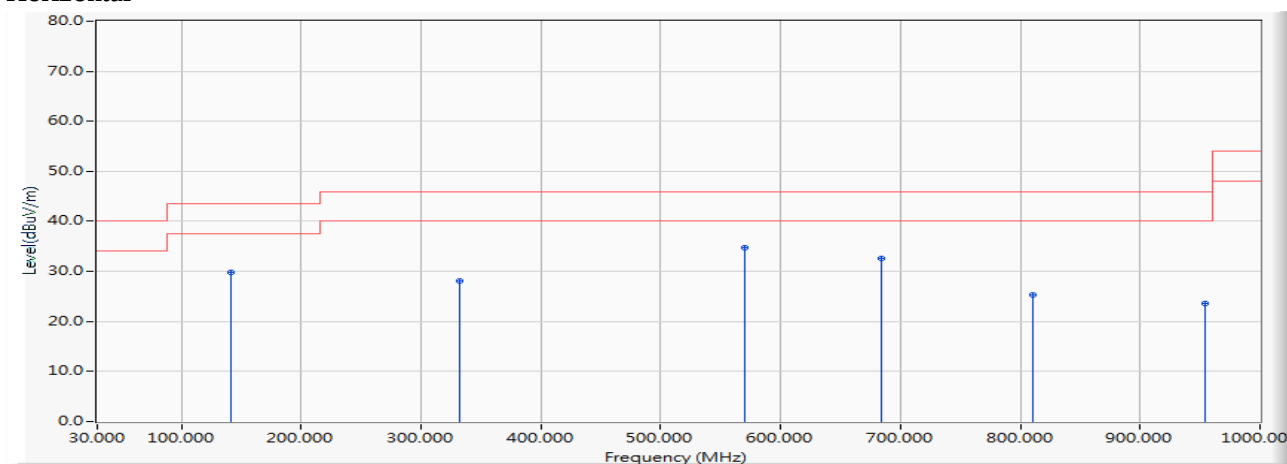
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



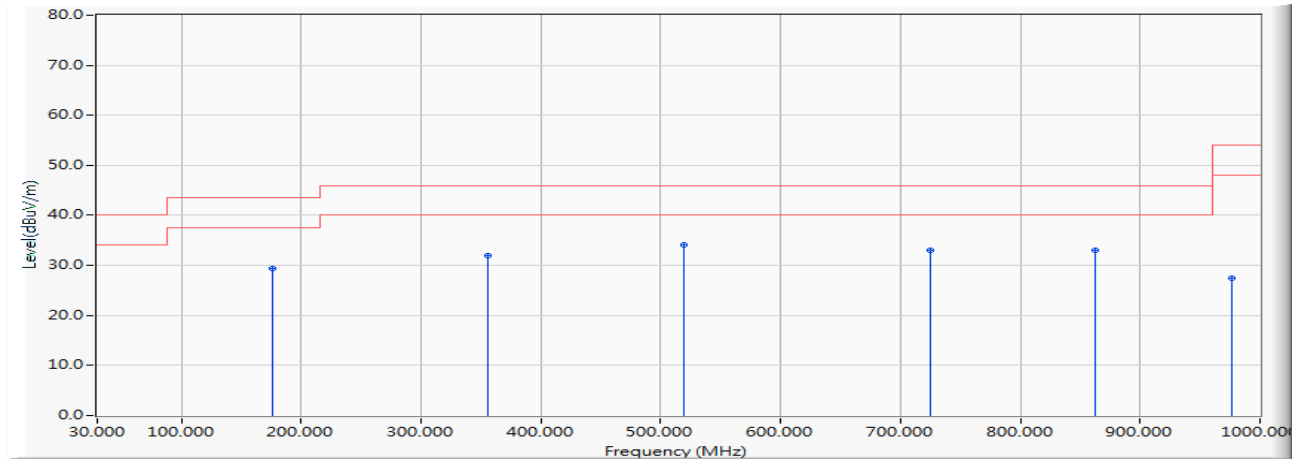
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



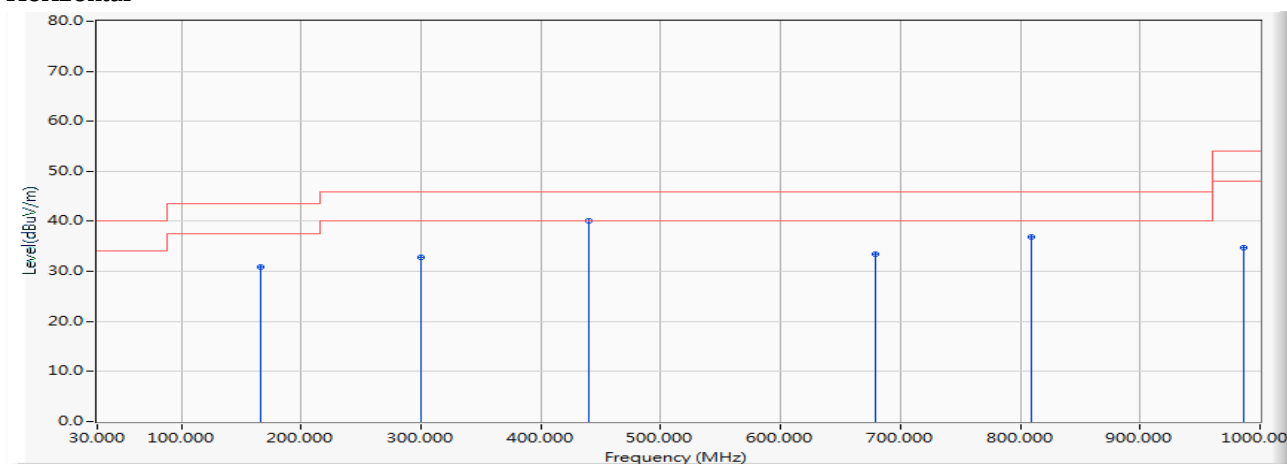
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



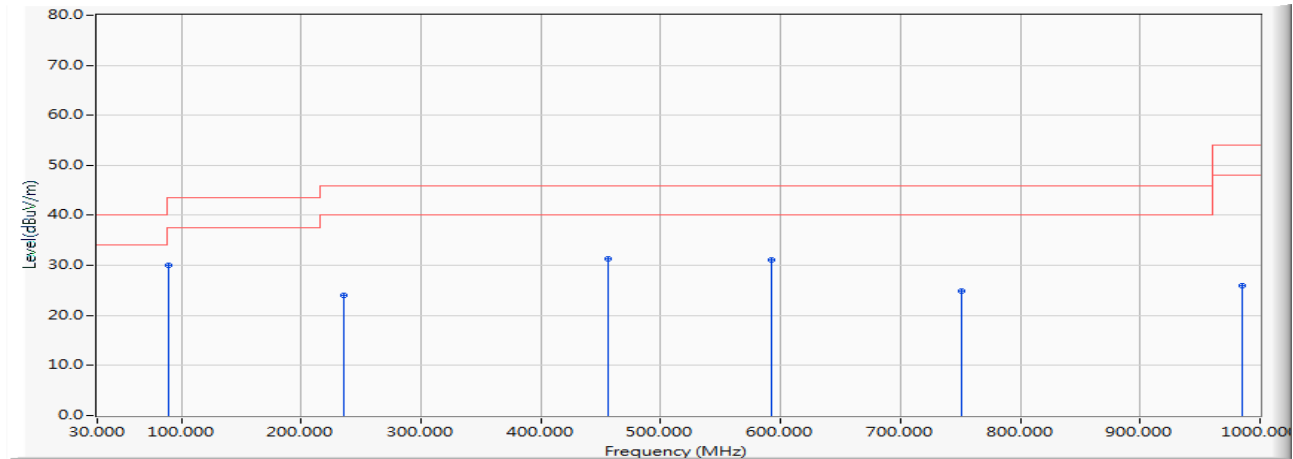
|   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



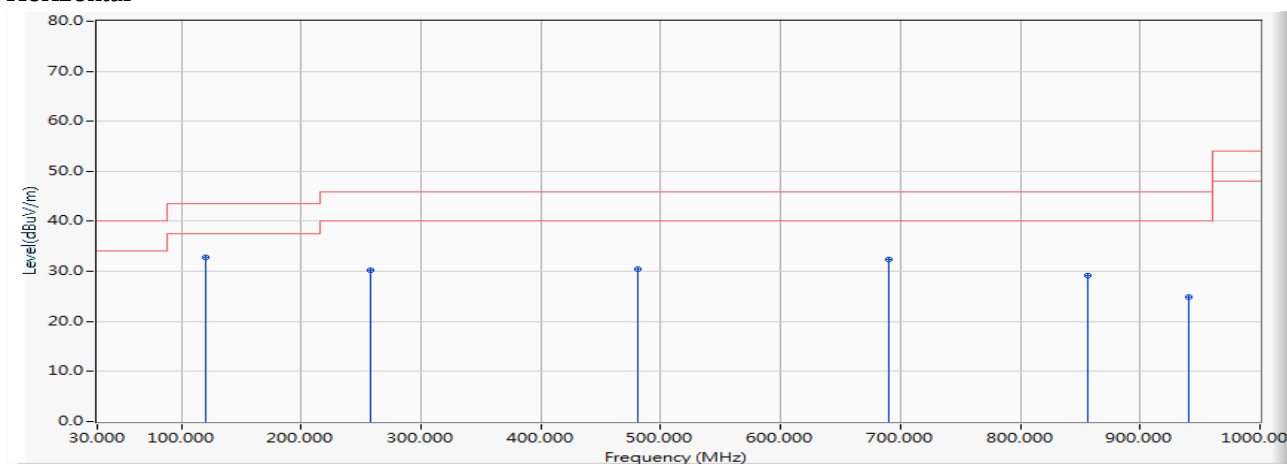
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



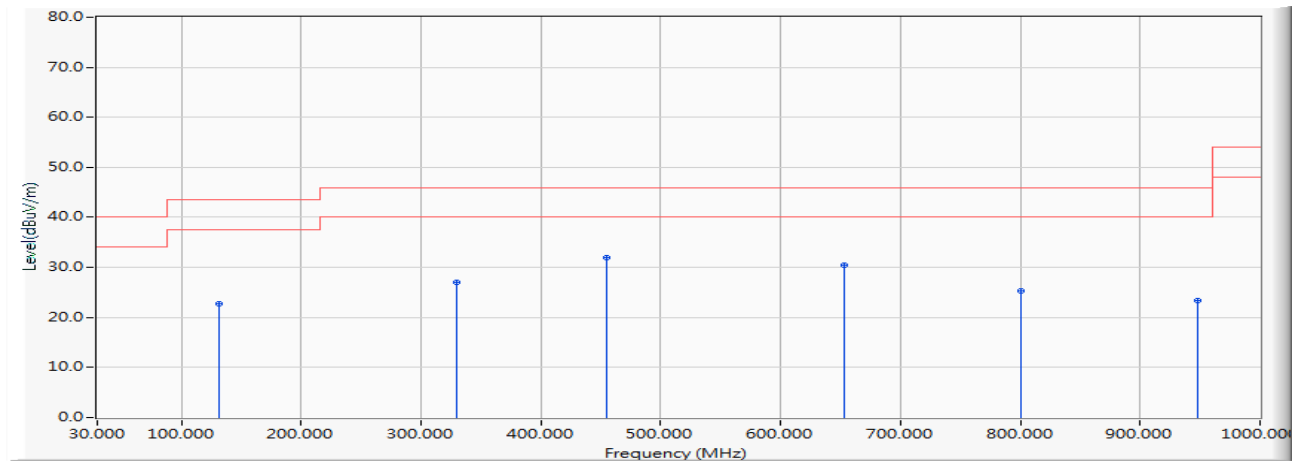
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



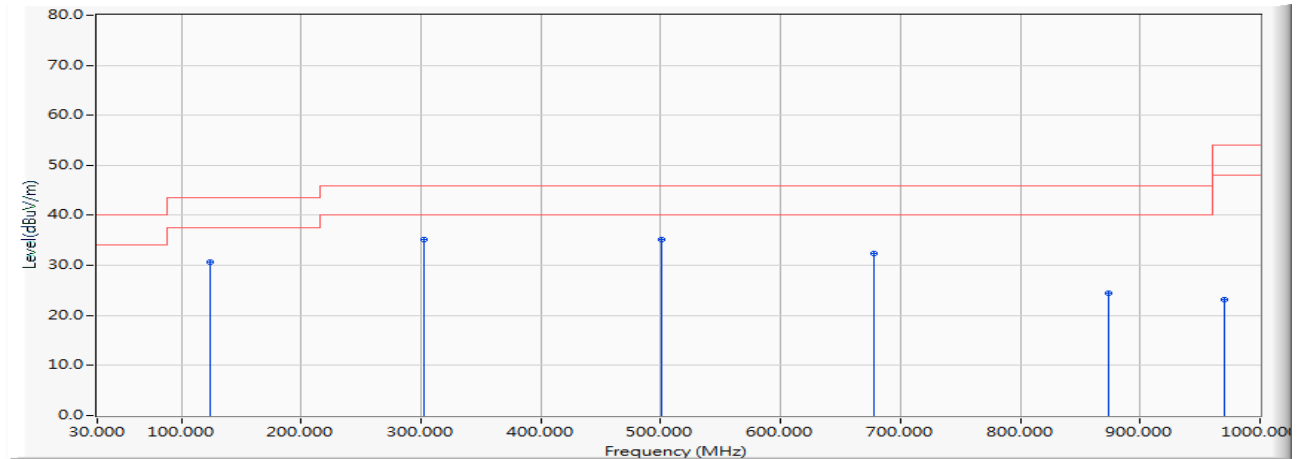
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



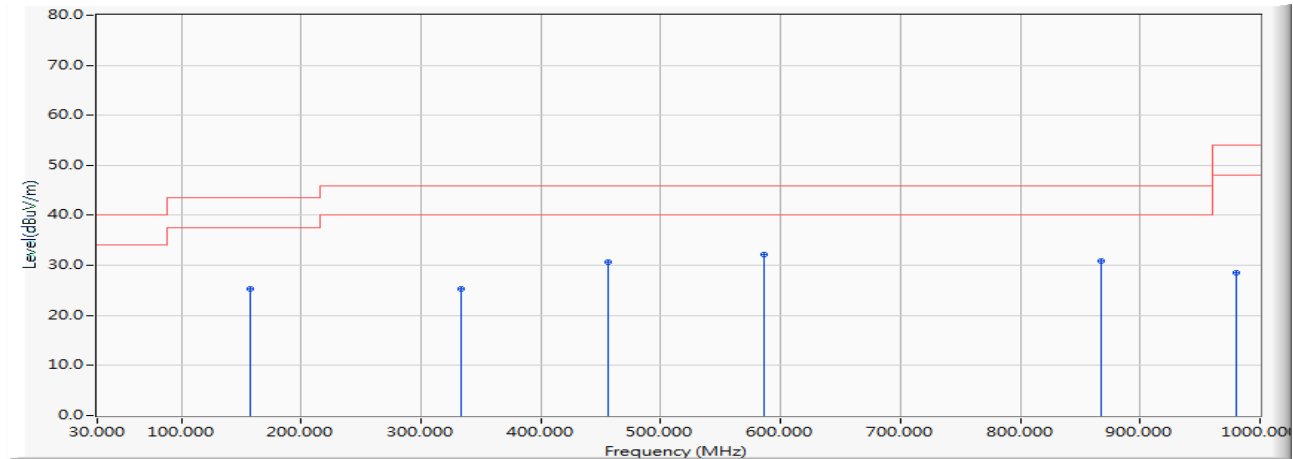
|   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



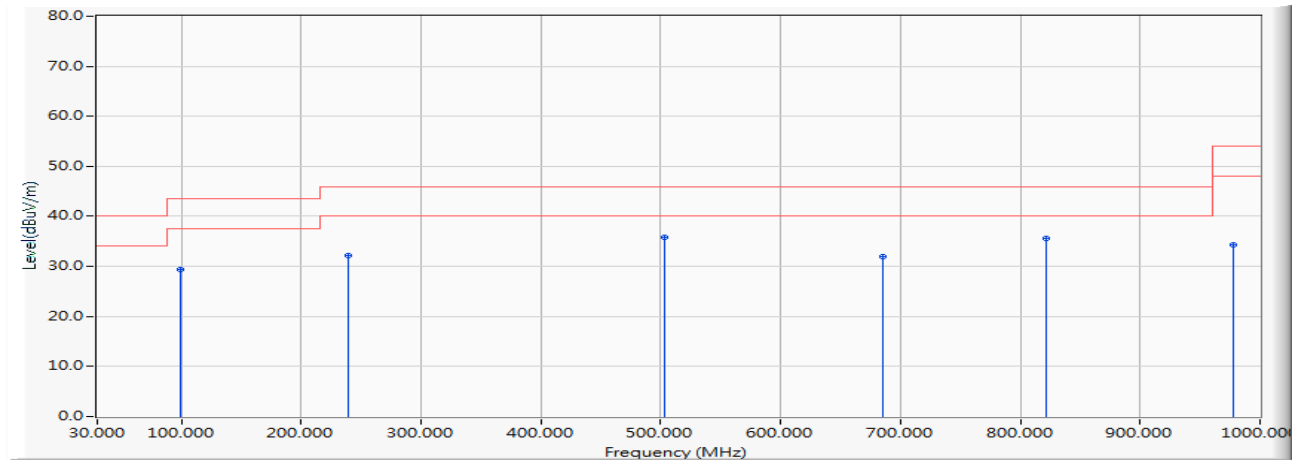
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



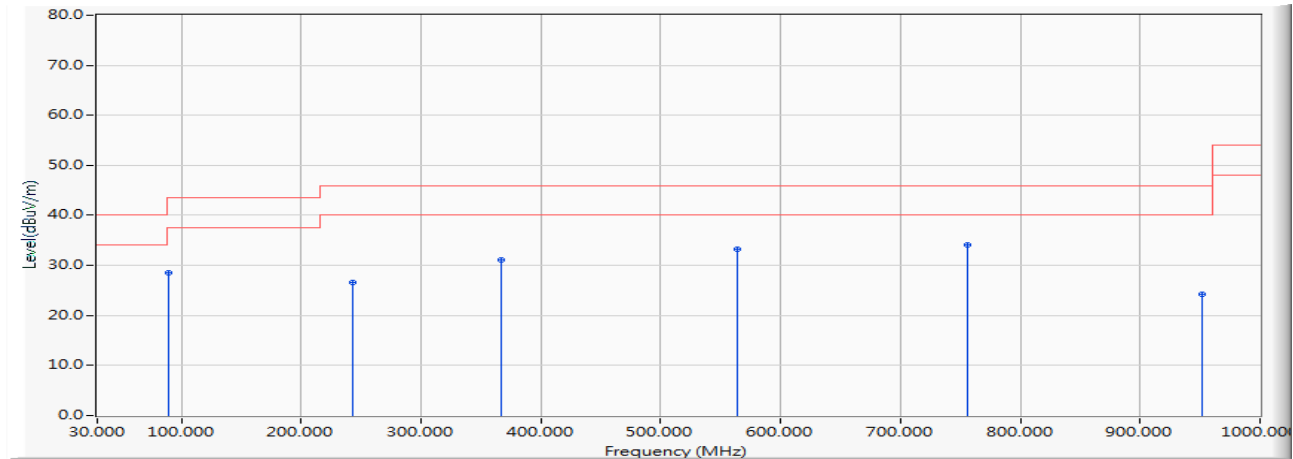
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



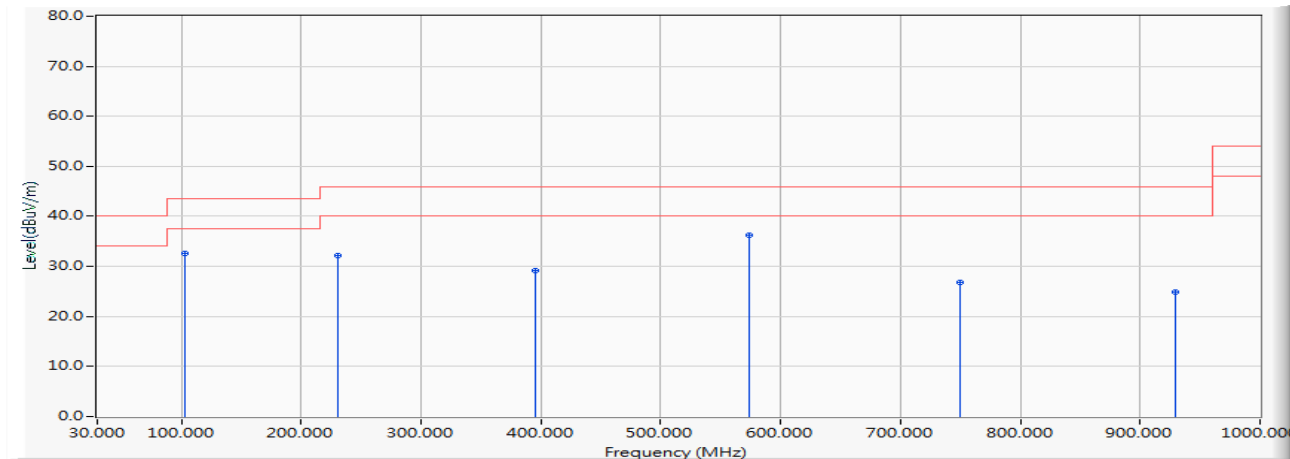
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



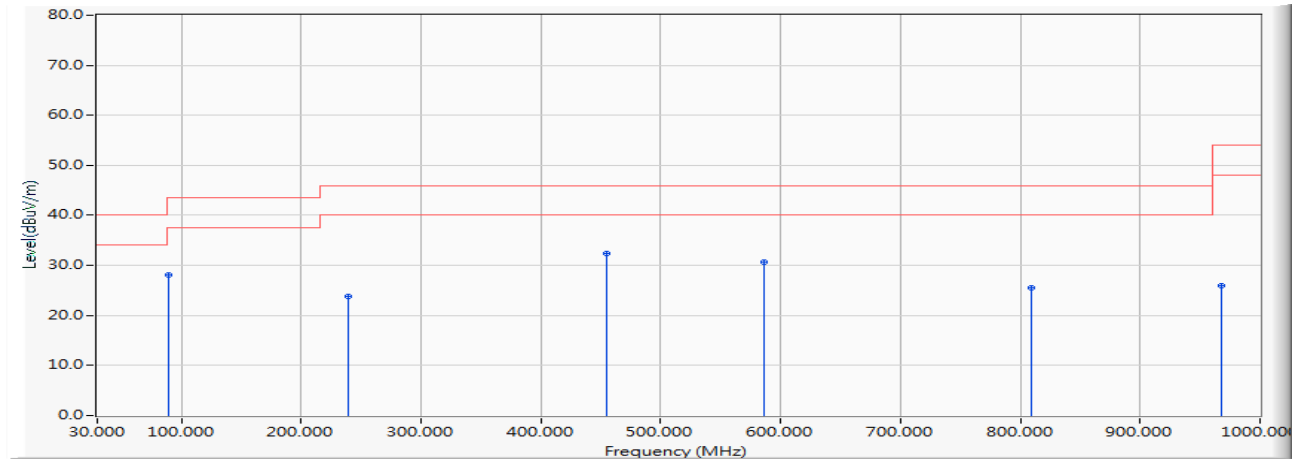
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



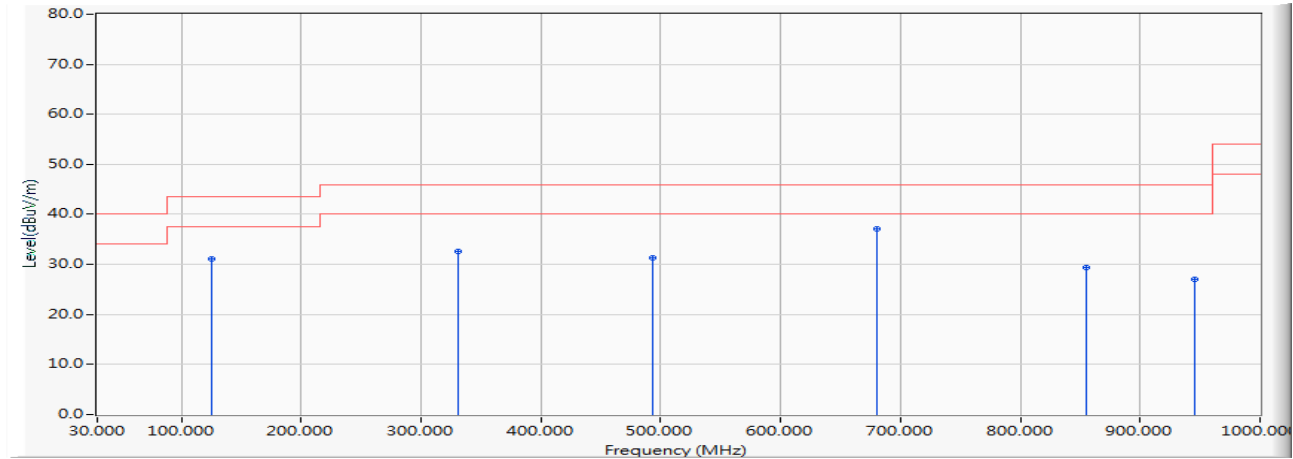
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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



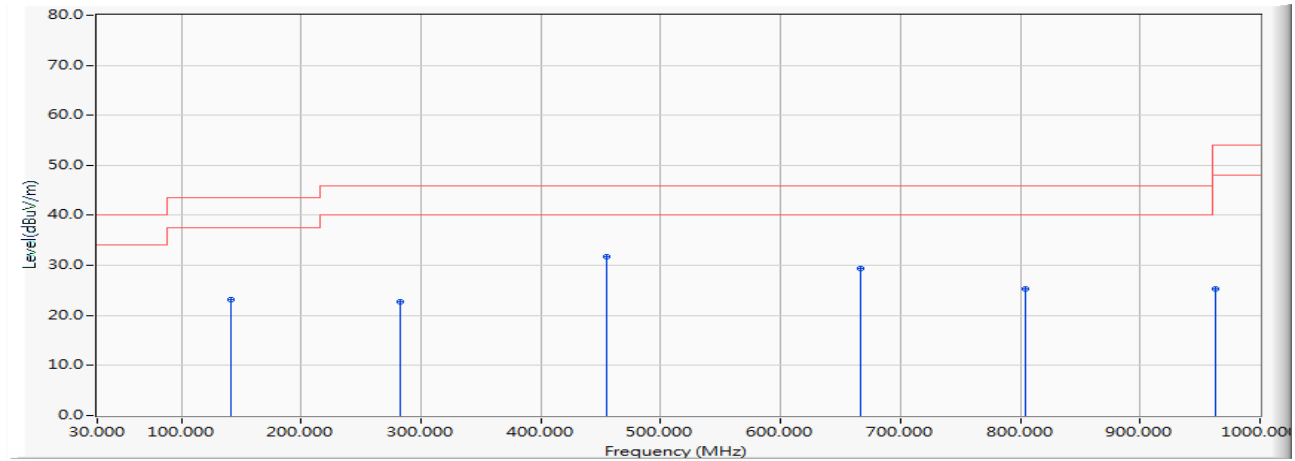
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 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<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(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.