

**FCC &ISED Radio Test Report****FCC ID: 2AC23-DCT12****IC: 12290A-DCT12****The report concerns: Original Grant**

Report Reference No. .... : 21EFSS06055 05521  
Date Sample(s) Received ..... : 2021-06-17  
Date of Tested ..... : 2021-06-17 to 2021-07-09  
Date of issue ..... : 2021-07-12  
Testing Laboratory ..... : DongGuanShuoXin Electronic Technology Co., Ltd.  
Address ..... : Zone A, 1F, No. 6, XinGang Road YuanGang Street,  
XinAn District, ChangAn Town, DongGuan City,  
GuangDong, China  
  
Applicant's name ..... : Hui Zhou Gaoshengda Technology Co., LTD  
Address ..... : NO.75 Zhongkai Development Area, Huizhou,  
Guangdong, China  
Manufacturer ..... : Hui Zhou Gaoshengda Technology Co., LTD  
  
Equipment ..... : WIFI+BT Module  
Trade Mark ..... : GSD  
Model ..... : DCT12R2511  
Ratings ..... : I/P: DC 5V

Test Engineer:



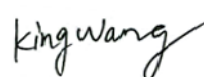
Blue Qiu

Responsible Engineer :



Smile Wang

Authorized Signatory:



King Wang

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**1.TEST REPORT DECLARE**

|              |                                                                                                                                                                                   |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicant    | Hui Zhou Gaoshengda Technology Co., LTD                                                                                                                                           |
| Address      | NO.75 Zhongkai Development Area, Huizhou, Guangdong,China                                                                                                                         |
| Manufacturer | Hui Zhou Gaoshengda Technology Co., LTD                                                                                                                                           |
| Address      | NO.75 Zhongkai Development Area, Huizhou, Guangdong, China                                                                                                                        |
| Factory      | Hui Zhou Gaoshengda Technology Co., LTD                                                                                                                                           |
| Address      | NO.75 Zhongkai Development Area, Huizhou, Guangdong, China                                                                                                                        |
| Equipment    | WIFI+BT Module                                                                                                                                                                    |
| Model No.    | DCT12R2511                                                                                                                                                                        |
| Trade Mark   | GSD                                                                                                                                                                               |
| Standard     | FCC Part15, Subpart E(15.407)<br>RSS-247 Issue 2, Feb. 2017<br>RSS-Gen Issue 5, Apr. 2018<br>ANSI C63.10-2013<br>FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 |

**We Declare:**

The equipment described above is tested by DongGuan ShuoXin Electronic Technology Co., Ltd(ATT). and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and DongGuan ShuoXin Electronic Technology Co., Ltd.(ATT) is assumed of full responsibility for the accuracy and completeness of these tests.

ATT is not responsible for the sampling stage, so the results only apply to the sample as received.

ATT's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. ATT shall have no liability for any declarations, inferences or generalizations drawn by the client or others from ATT issued reports.

## 2.SUMMARY OF TEST RESULTS

The EUT have been tested according to the applicable standards as referenced below:

| Standard(s) Section                 |                                                                                         | Test Item                                 | Judgment | Remark  |
|-------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------|----------|---------|
| FCC                                 | IC                                                                                      |                                           |          |         |
| 15.207<br>15.407(b)                 | RSS-GEN 8.8                                                                             | AC Power Line<br>Conducted Emissions      | PASS     | -----   |
| 15.407(b)<br>15.205(a)<br>15.209(a) | RSS-247 6.2.1.2<br>RSS-247 6.2.4.2<br>RSS-GEN 8.9<br>RSS-GEN 8.10                       | Radiated Emissions                        | PASS     | -----   |
| 15.407(a)<br>15.407(e)              | RSS-247 6.2.1.1<br>RSS-247 6.2.2.1<br>RSS-247 6.2.3.1<br>RSS-247 6.2.4.1<br>RSS-GEN 6.7 | Spectrum Bandwidth                        | PASS     | -----   |
| 15.407(a)                           | RSS-247 6.2.1.1<br>RSS-247 6.2.2.1<br>RSS-247 6.2.3.1<br>RSS-247 6.2.4.1                | Maximum Output Power                      | PASS     | -----   |
| 15.407(a)                           | RSS-247 6.2.1.1<br>RSS-247 6.2.2.1<br>RSS-247 6.2.3.1<br>RSS-247 6.2.4.1                | Power Spectral Density                    | PASS     | -----   |
| 15.407(g)                           | RSS-GEN 6.11                                                                            | Frequency Stability                       | PASS     | -----   |
| 15.203                              | RSS-247 6.4(a)                                                                          | Antenna Requirements                      | PASS     | Note(4) |
| 15.407(c)                           | RSS-GEN 8.8                                                                             | Automatically Discontinue<br>Transmission | PASS     | Note(2) |

### Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.
- (3) For UNII-1 this device was functioned as a  
☐ Access point device    ☒ Client device
- (4) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

**2.1.MEASUREMENT UNCERTAINTY**

| Test Item                                               | Uncertainty           |
|---------------------------------------------------------|-----------------------|
| Uncertainty for Conduction emission test (9kHz-150kHz)  | 3.7 dB                |
| Uncertainty for Conduction emission test (150kHz-30MHz) | 3.3 dB                |
| Uncertainty for Radiation Emission test (30MHz-200MHz)  | 4.60 dB (Polarize: V) |
|                                                         | 4.60 dB (Polarize: H) |
| Uncertainty for Radiation Emission test (200MHz-1GHz)   | 6.10 dB (Polarize: V) |
|                                                         | 5.08 dB (Polarize: H) |
| Uncertainty for Radiation Emission test (1GHz-6GHz)     | 5.01 dB (Polarize: V) |
|                                                         | 5.01 dB (Polarize: H) |
| Uncertainty for Radiation Emission test (6GHz-18GHz)    | 5.26 dB (Polarize: V) |
|                                                         | 5.26 dB (Polarize: H) |
| Uncertainty for Radiation Emission test (18GHz-40GHz)   | 5.06 dB (Polarize: V) |
|                                                         | 5.06 dB (Polarize: H) |
| Uncertainty for radio frequency                         | $\pm 0.048\text{kHz}$ |
| Uncertainty for conducted RF Power                      | $\pm 0.32\text{dB}$   |

**Note:**

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

**Test Facility:**

The Test site used by DongGuan ShuoXin Electronic Technology Co., Ltd. to collect test data is located on the Zone A, 1F, No. 6, XinGang Road YuanGang Street, XinAn District, ChangAn Town, DongGuan City, GuangDong, China

The test facility is recognized, certified, or accredited by the following organizations:

| Item                                                       | Registration No.                 | Expiration Date |
|------------------------------------------------------------|----------------------------------|-----------------|
| CNAS                                                       | L3098                            | 2024-08-27      |
| A2LA                                                       | 4893.01                          | 2022-06-30      |
| Innovation, Science and Economic Development Canada (ISED) | 11033A                           | 2022-06-30      |
| Federal Communications Commission (FCC)                    | 171688<br>Designation No.:CN1235 | 2022-06-30      |

### 3. GENERAL INFORMATION

#### 3.1. GENERAL DESCRIPTION OF EUT

|                                             |                                                                                                                                                                                                                                                                     |                        |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Equipment                                   | WIFI+BT Module                                                                                                                                                                                                                                                      |                        |
| Brand Name                                  | GSD                                                                                                                                                                                                                                                                 |                        |
| Test Model                                  | DCT12R2511                                                                                                                                                                                                                                                          |                        |
| Series Model                                | N/A                                                                                                                                                                                                                                                                 |                        |
| Model Difference(s)                         | N/A                                                                                                                                                                                                                                                                 |                        |
| Hardware Version                            | V1.0                                                                                                                                                                                                                                                                |                        |
| Software Version                            | V1.0                                                                                                                                                                                                                                                                |                        |
| Power Source                                | Supplied from USB.                                                                                                                                                                                                                                                  |                        |
| Power Rating                                | DC 5V                                                                                                                                                                                                                                                               |                        |
| Operation Frequency Bands                   | UNII-1: 5150 MHz~5250 MHz<br>UNII-3: 5725 MHz~5850 MHz                                                                                                                                                                                                              |                        |
| Modulation Type                             | OFDM                                                                                                                                                                                                                                                                |                        |
| Bit Rate of Transmitter                     | Up to 866.6Mbps                                                                                                                                                                                                                                                     |                        |
| Operating Mode                              | IEEE 802.11a: 1TX(Ant 1 or Ant 2)<br>IEEE 802.11n (HT20): 2TX(Ant 1+Ant 2)<br>IEEE 802.11n (HT40): 2TX(Ant 1+Ant 2)<br>IEEE 802.11ac (VHT20): 2TX(Ant 1+Ant 2)<br>IEEE 802.11ac (VHT40): 2TX(Ant 1+Ant 2)<br>IEEE 802.11ac (VHT80): 2TX(Ant 1+Ant 2)                |                        |
| Antenna Information                         | Antenna Type:PCB                                                                                                                                                                                                                                                    | Maximum Peak Gain:4dBi |
| Maximum Output Power for UNII-1 For FCC     | IEEE 802.11a: 14.94dBm (0.0310W)<br>IEEE 802.11n (HT20): 13.78dBm (0.0239 W)<br>IEEE 802.11n (HT40): 15.21dBm (0.0332 W)<br>IEEE 802.11ac (VHT20): 13.81dBm (0.0240 W)<br>IEEE 802.11ac (VHT40): 15.73dBm (0.0374 W)<br>IEEE 802.11ac (VHT80): 15.51dBm (0.0356 W)  |                        |
| Maximum EIRP Output Power for UNII-1 For IC | IEEE 802.11a: 18.94dBm (0.0780W)<br>IEEE 802.11n (HT20): 20.79dBm (0.1199 W)<br>IEEE 802.11n (HT40): 22.22dBm (0.1667 W)<br>IEEE 802.11ac (VHT20): 20.82dBm (0.1208 W)<br>IEEE 802.11ac (VHT40): 22.74dBm (0.1879 W)<br>IEEE 802.11ac (VHT80): 22.52dBm (0.1786 W)  |                        |
| Maximum Output Power for UNII-3             | IEEE 802.11a: 14.86dBm (0.0292 W)<br>IEEE 802.11n (HT20): 17.91dBm (0.0617 W)<br>IEEE 802.11n (HT40): 17.64dBm (0.0581 W)<br>IEEE 802.11ac (VHT20): 15.61dBm (0.0364 W)<br>IEEE 802.11ac (VHT40): 15.76dBm (0.0377 W)<br>IEEE 802.11ac (VHT80): 15.94dBm (0.0392 W) |                        |

**Note:**

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

**2. Channel List:**

| IEEE 802.11a<br>IEEE 802.11n (HT20)<br>IEEE 802.11ac (VHT20) |                 | IEEE 802.11n (HT40)<br>IEEE 802.11ac (VHT40) |                 | IEEE 802.11ac (VHT80) |                 |
|--------------------------------------------------------------|-----------------|----------------------------------------------|-----------------|-----------------------|-----------------|
| UNII-1                                                       |                 | UNII-1                                       |                 | UNII-1                |                 |
| Channel                                                      | Frequency (MHz) | Channel                                      | Frequency (MHz) | Channel               | Frequency (MHz) |
| 36                                                           | 5180            | 38                                           | 5190            | 42                    | 5210            |
| 40                                                           | 5200            | 46                                           | 5230            |                       |                 |
| 44                                                           | 5220            |                                              |                 |                       |                 |
| 48                                                           | 5240            |                                              |                 |                       |                 |

| IEEE 802.11a<br>IEEE 802.11n (HT20)<br>IEEE 802.11ac (VHT20) |                 | IEEE 802.11n (HT40)<br>IEEE 802.11ac (VHT40) |                 | IEEE 802.11ac (VHT80) |                 |
|--------------------------------------------------------------|-----------------|----------------------------------------------|-----------------|-----------------------|-----------------|
| UNII-3                                                       |                 | UNII-3                                       |                 | UNII-3                |                 |
| Channel                                                      | Frequency (MHz) | Channel                                      | Frequency (MHz) | Channel               | Frequency (MHz) |
| 149                                                          | 5745            | 151                                          | 5755            | 155                   | 5775            |
| 153                                                          | 5765            | 159                                          | 5795            |                       |                 |
| 157                                                          | 5785            |                                              |                 |                       |                 |
| 161                                                          | 5805            |                                              |                 |                       |                 |
| 165                                                          | 5825            |                                              |                 |                       |                 |



### 3.2.TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

| Pretest Mode | Description                                     |
|--------------|-------------------------------------------------|
| Mode 1       | TX A Mode / CH36, CH40, CH48 (UNII-1)           |
| Mode 2       | TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)    |
| Mode 3       | TX N (HT40) Mode / CH38, CH46 (UNII-1)          |
| Mode 4       | TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)  |
| Mode 5       | TX AC (VHT40) Mode / CH38, CH46 (UNII-1)        |
| Mode 6       | TX AC (VHT80) Mode / CH42 (UNII-1)              |
| Mode 7       | TX A Mode / CH149,CH157,CH165 (UNII-3)          |
| Mode 8       | TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)   |
| Mode 9       | TX N (HT40) Mode / CH151,CH159 (UNII-3)         |
| Mode 10      | TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11      | TX AC (VHT40) Mode / CH151,CH159 (UNII-3)       |
| Mode 12      | TX AC (VHT80) Mode / CH155 (UNII-3)             |
| Mode 13      | TX N(HT40) Mode / CH157 (UNII-3)                |

Following mode(s) as (were) found to be the worst case(s) and selected for the final test.

| AC power line conducted emissions test |                                  |
|----------------------------------------|----------------------------------|
| Final Test Mode                        | Description                      |
| Mode 13                                | TX N(HT40) Mode / CH157 (UNII-3) |

| Radiated emissions test - Below 1GHz |                                  |
|--------------------------------------|----------------------------------|
| Final Test Mode                      | Description                      |
| Mode 13                              | TX N(HT40) Mode / CH157 (UNII-3) |

| Radiated emissions test - Above 1GHz |                                                 |
|--------------------------------------|-------------------------------------------------|
| Final Test Mode                      | Description                                     |
| Mode 1                               | TX A Mode / CH36, CH40, CH48 (UNII-1)           |
| Mode 2                               | TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)    |
| Mode 3                               | TX N (HT40) Mode / CH38, CH46 (UNII-1)          |
| Mode 4                               | TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)  |
| Mode 5                               | TX AC (VHT40) Mode / CH38, CH46 (UNII-1)        |
| Mode 6                               | TX AC (VHT80) Mode / CH42 (UNII-1)              |
| Mode 7                               | TX A Mode / CH149,CH157,CH165 (UNII-3)          |
| Mode 8                               | TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)   |
| Mode 9                               | TX N (HT40) Mode / CH151,CH159 (UNII-3)         |
| Mode 10                              | TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11                              | TX AC (VHT40) Mode / CH151,CH159 (UNII-3)       |
| Mode 12                              | TX AC (VHT80) Mode / CH155 (UNII-3)             |

| Conducted test  |                                                 |
|-----------------|-------------------------------------------------|
| Final Test Mode | Description                                     |
| Mode 1          | TX A Mode / CH36, CH40, CH48 (UNII-1)           |
| Mode 2          | TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)    |
| Mode 3          | TX N (HT40) Mode / CH38, CH46 (UNII-1)          |
| Mode 4          | TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)  |
| Mode 5          | TX AC (VHT40) Mode / CH38, CH46 (UNII-1)        |
| Mode 6          | TX AC (VHT80) Mode / CH42 (UNII-1)              |
| Mode 7          | TX A Mode / CH149,CH157,CH165 (UNII-3)          |
| Mode 8          | TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)   |
| Mode 9          | TX N (HT40) Mode / CH151,CH159 (UNII-3)         |
| Mode 10         | TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11         | TX AC (VHT40) Mode / CH151,CH159 (UNII-3)       |
| Mode 12         | TX AC (VHT80) Mode / CH155 (UNII-3)             |

Note:

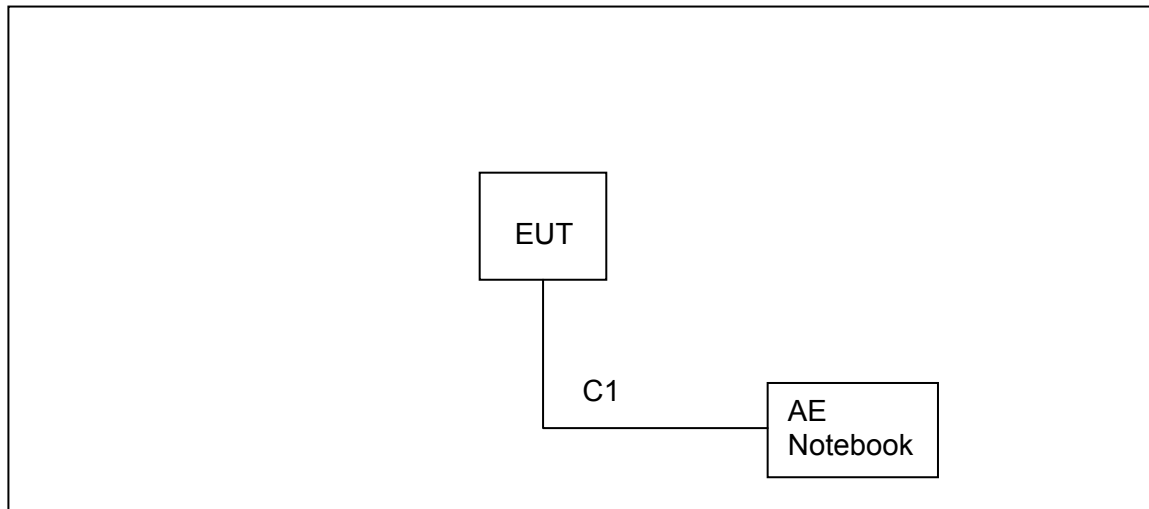
- (1) For radiated emission below 1 GHz and AC power line conducted emissions test, the IEEE 802.11n40 channel 38 is found to be the worst case and recorded.

### 3.3.PARAMETERS OF TEST SOFTWARE

| UNII-1                |                                 |       |       |
|-----------------------|---------------------------------|-------|-------|
| Test Software         | Realtek 11ac 8822B PCIE WLAN MP |       |       |
| Test Frequency (MHz)  | 5180                            | 5200  | 5240  |
| IEEE 802.11a          | 83/74                           | 83/74 | 83/74 |
| IEEE 802.11n (HT20)   | 82/73                           | 82/73 | 82/73 |
| IEEE 802.11ac (VHT20) | 81/71                           | 81/71 | 81/71 |
| Test Frequency (MHz)  | 5190                            | 5230  |       |
| IEEE 802.11n (HT40)   | 78/73                           | 78/73 |       |
| IEEE 802.11ac (VHT40) | 79/76                           | 79/76 |       |
| Test Frequency (MHz)  | 5210                            |       |       |
| IEEE 802.11ac (VHT80) | 80/71                           |       |       |

| UNII-3                |                                 |       |       |
|-----------------------|---------------------------------|-------|-------|
| Test Software         | Realtek 11ac 8822B PCIE WLAN MP |       |       |
| Test Frequency (MHz)  | 5745                            | 5785  | 5825  |
| IEEE 802.11a          | 83/76                           | 83/76 | 83/75 |
| IEEE 802.11n (HT20)   | 88/79                           | 88/79 | 88/79 |
| IEEE 802.11ac (VHT20) | 81/71                           | 81/71 | 81/71 |
| Test Frequency (MHz)  | 5755                            | 5795  |       |
| IEEE 802.11n (HT40)   | 80/77                           | 80/77 |       |
| IEEE 802.11ac (VHT40) | 80/73                           | 80/73 |       |
| Test Frequency (MHz)  | 5775                            |       |       |
| IEEE 802.11ac (VHT80) | 80/70                           |       |       |

### 3.4.BLOCKDIAGRAMSHOWINGTHECONFIGURATIONOFSYSTEMTESTED



### 3.5.SUPPORT UNITS

| Item | Equipment | Brand | Model No. | Series No.  |
|------|-----------|-------|-----------|-------------|
| AE   | Notebook  | ACER  | MS2367    | 32807810766 |

| Item | Cable Type | Shielded Type | Ferrite Core | Length |
|------|------------|---------------|--------------|--------|
| C1   | DC Cable   | NO            | NO           | 1m     |

### 3.6. TEST ENVIRONMENT CONDITIONS

| Test Item                         | Temperature        | Humidity | Test Voltage    |
|-----------------------------------|--------------------|----------|-----------------|
| AC Power Line Conducted Emissions | 25°C               | 53%      | DC 5V           |
| Radiated Emissions-9K-30MHz       | 25°C               | 60%      | DC 5V           |
| Radiated Emissions-30 MHz to 1GHz | 24°C               | 68%      | DC 5V           |
| Radiated Emissions-Above 1000 MHz | 24°C               | 68%      | DC 5V           |
| Spectrum Bandwidth                | 25.3°C             | 44.8%    | DC 5V           |
| Maximum Output Power              | 25.3°C             | 44.8%    | DC 5V           |
| Power Spectral Density            | 25.3°C             | 44.8%    | DC 5V           |
| Frequency Stability               | Normal,<br>Extreme | 44.8%    | Normal, Extreme |

### 3.7.DUTY CYCLE

All tests were performed under the condition of 100% Duty Cycle

**NOTE:**

For IEEE 802.11a, IEEE 802.11n (HT20) and IEEE 802.11ac (VHT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle < 98%).

For IEEE 802.11n (HT40) and IEEE 802.11ac (VHT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle < 98%).

For IEEE 802.11ac (VHT80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle < 98%).

## 4.AC POWER LINE CONDUCTED EMISSIONS TEST

### 4.1.LIMIT

| Frequency<br>(MHz) | Limit (dB $\mu$ V) |           |
|--------------------|--------------------|-----------|
|                    | Quasi-peak         | Average   |
| 0.15 - 0.50        | 66 to 56*          | 56 to 46* |
| 0.50 - 5.0         | 56                 | 46        |
| 5.0 - 30.0         | 60                 | 50        |

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

| Receiver Parameter | Setting  |
|--------------------|----------|
| Attenuation        | 10 dB    |
| Start Frequency    | 0.15 MHz |
| Stop Frequency     | 30 MHz   |
| IF Bandwidth       | 9 KHz    |

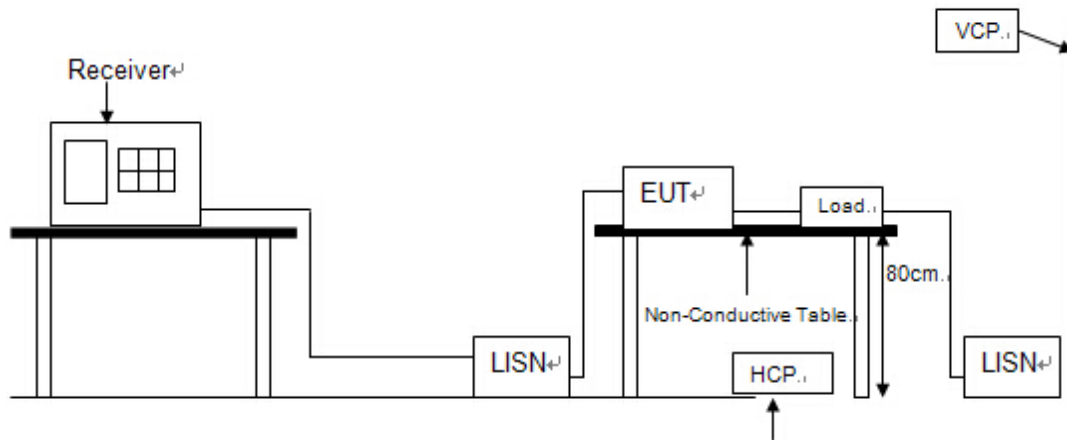
### 4.2. TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.

### 4.3.MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment    | Manufacturer          | Type No.                | Serial No.      | Calibrated until |
|------|----------------------|-----------------------|-------------------------|-----------------|------------------|
| 1    | Pulse Limiter        | MTS-systemtec<br>hnik | MTS-IMP-136             | 261115-010-0024 | 12/11/2021       |
| 2    | EMI Test Receiver    | R&S                   | ESCI                    | 101308          | 12/12/2021       |
| 3    | LISN                 | AFJ                   | LS16                    | 16011103219     | 06/09/2022       |
| 4    | LISN                 | Schwarzbeck           | NSLK 8127               | 8127-432        | 12/11/2021       |
| 5    | Measurement Software | Farad                 | EZ-EMC<br>(Ver.ATT-03A) | N/A             | N/A              |

#### 4.4.TESTSETUP



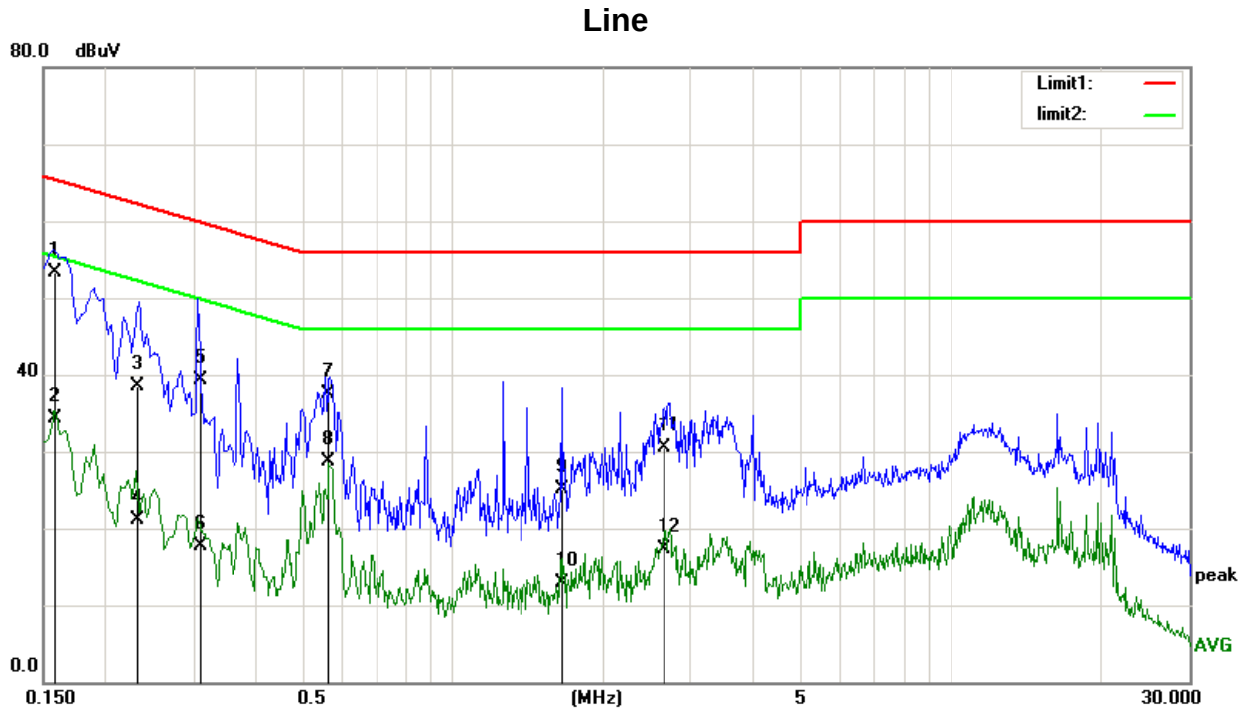
#### 4.5.EUT OPERATION CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

The EUT was programmed to be in continuously transmitting/TX mode.

## 4.6. TEST RESULTS

Test Mode: TX N(HT40) Mode / CH155 (UNII-3)



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>Factor(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-----------------------|------------------|-----------------|----------------|--------|
| 1   | 0.1587             | 41.75             | 11.47                 | 53.22            | 65.53           | -12.31         | QP     |
| 2   | 0.1587             | 22.81             | 11.47                 | 34.28            | 55.53           | -21.25         | AVG    |
| 3   | 0.2314             | 27.54             | 10.98                 | 38.52            | 62.40           | -23.88         | QP     |
| 4   | 0.2314             | 10.08             | 10.98                 | 21.06            | 52.40           | -31.34         | AVG    |
| 5   | 0.3085             | 28.80             | 10.51                 | 39.31            | 60.01           | -20.70         | QP     |
| 6   | 0.3085             | 7.23              | 10.51                 | 17.74            | 50.01           | -32.27         | AVG    |
| 7   | 0.5582             | 27.28             | 10.27                 | 37.55            | 56.00           | -18.45         | QP     |
| 8   | 0.5582             | 18.47             | 10.27                 | 28.74            | 46.00           | -17.26         | AVG    |
| 9   | 1.6526             | 14.79             | 10.22                 | 25.01            | 56.00           | -30.99         | QP     |
| 10  | 1.6526             | 2.77              | 10.22                 | 12.99            | 46.00           | -33.01         | AVG    |
| 11  | 2.6678             | 20.22             | 10.22                 | 30.44            | 56.00           | -25.56         | QP     |
| 12  | 2.6678             | 7.09              | 10.22                 | 17.31            | 46.00           | -28.69         | AVG    |

### REMARKS:

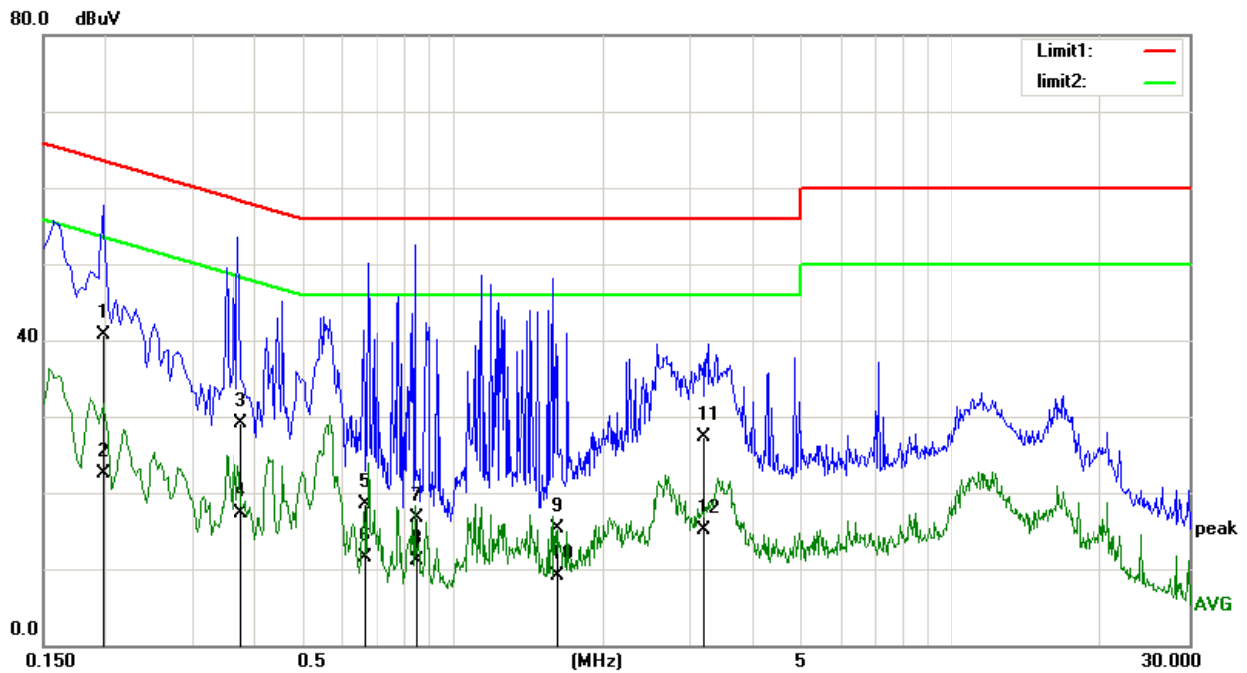
(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX N(HT40) Mode / CH155 (UNII-3)

## Neutral



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>Factor(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-----------------------|------------------|-----------------|----------------|--------|
| 1   | 0.1987             | 29.55             | 11.19                 | 40.74            | 63.66           | -22.92         | QP     |
| 2   | 0.1987             | 11.40             | 11.19                 | 22.59            | 53.66           | -31.07         | AVG    |
| 3   | 0.3741             | 18.77             | 10.43                 | 29.20            | 58.41           | -29.21         | QP     |
| 4   | 0.3741             | 6.96              | 10.43                 | 17.39            | 48.41           | -31.02         | AVG    |
| 5   | 0.6636             | 8.30              | 10.25                 | 18.55            | 56.00           | -37.45         | QP     |
| 6   | 0.6636             | 1.18              | 10.25                 | 11.43            | 46.00           | -34.57         | AVG    |
| 7   | 0.8456             | 6.49              | 10.22                 | 16.71            | 56.00           | -39.29         | QP     |
| 8   | 0.8456             | 0.94              | 10.22                 | 11.16            | 46.00           | -34.84         | AVG    |
| 9   | 1.6288             | 5.08              | 10.22                 | 15.30            | 56.00           | -40.70         | QP     |
| 10  | 1.6288             | -1.06             | 10.22                 | 9.16             | 46.00           | -36.84         | AVG    |
| 11  | 3.1968             | 17.02             | 10.23                 | 27.25            | 56.00           | -28.75         | QP     |
| 12  | 3.1968             | 4.78              | 10.23                 | 15.01            | 46.00           | -30.99         | AVG    |

### Remarks:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

## 5. RADIATED EMISSIONSTEST

### 5.1.LIMIT

In case the emission fall within the restricted band specified on 15.205(a)&RSS-Gen 8.10, then the 15.209(a)&RSS-Gen 8.9 limit in the table below has to be followed.

#### LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000MHz)

| Frequency (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|-----------------|-----------------------------------|-------------------------------|
| 0.009-0.490     | 2400/F(kHz)                       | 300                           |
| 0.490-1.705     | 24000/F(kHz)                      | 30                            |
| 1.705-30.0      | 30                                | 30                            |
| 30-88           | 100                               | 3                             |
| 88-216          | 150                               | 3                             |
| 216-960         | 200                               | 3                             |
| Above 960       | 500                               | 3                             |

#### LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

| Frequency (MHz) | EIRP Limit (dBm/MHz) | Equivalent Field Strength at 3m (dBμV/m) |
|-----------------|----------------------|------------------------------------------|
| 5150-5250       | -27                  | 68.3                                     |
| 5250-5350       | -27                  | 68.3                                     |
| 5470-5725       | -27                  | 68.3                                     |
| 5725-5850       | -27 Note(2)          | 68.3                                     |
|                 | 10 Note(2)           | 105.3                                    |
|                 | 15.6 Note(2)         | 110.9                                    |
|                 | 27 Note(2)           | 122.3                                    |

Note:

(1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field

strength:  $E = \frac{1000000\sqrt{30P}}{3}$  μV/m, where P is the eirp (Watts)

(2) According to 15.407(b)(4)(i), all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below theband edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

(3) Radiation larger than 26.5GHz is background, so the following data only measures the maximum 26.5GHz

(4) Duty Cycle compensation less than 98% has been compensated in the test software prior to the implementation of the test

## 5.2.TEST PROCEDURE

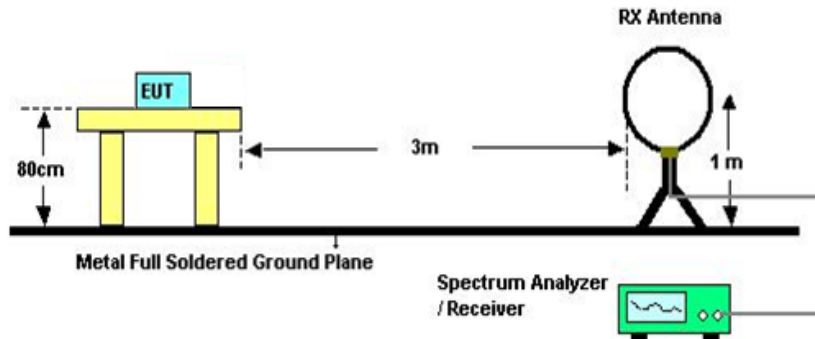
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. The test result is calculated as the following:
  - (1) Result = Reading + Correct Factor
  - (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
  - (3) Margin = Result - Limit

## 5.3.MEASUREMENT INSTRUMENTS LIST

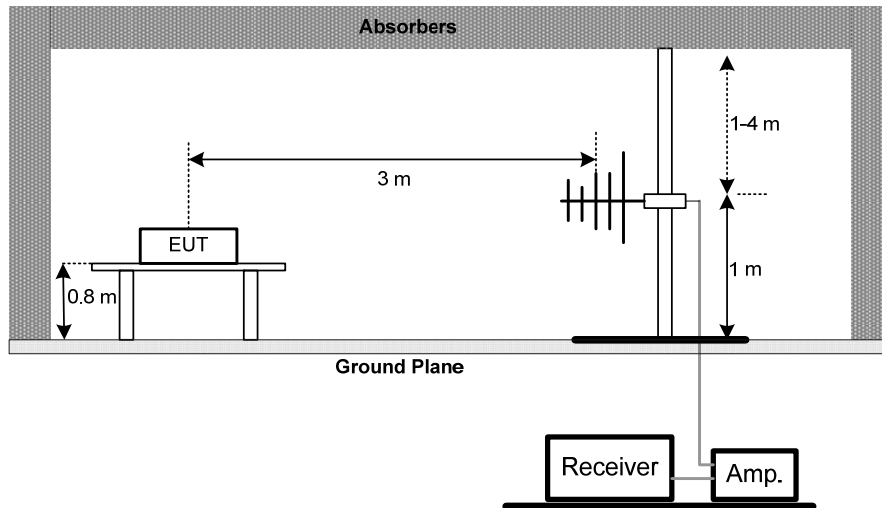
| Item | Equipment              | Manufacturer | Model No.            | Serial No.   | Calibrated until |
|------|------------------------|--------------|----------------------|--------------|------------------|
| 1    | EMI Test Receiver      | R&S          | ESCI                 | 101307       | 12/12/2021       |
| 2    | Spectrum Analyzer      | Agilent      | E4407B               | US40240708   | 11/17/2021       |
| 3    | Spectrum Analyzer      | R&S          | FSP                  | 1164.4391.38 | 06/01/2022       |
| 4    | Loop antenna           | SCHWARZBECK  | FMZB1519             | 1519-062     | 12/14/2021       |
| 5    | Broadband antenna      | SCHWARZBECK  | VULB9168             | VULB9168-192 | 08/06/2021       |
| 6    | HORN ANTENNA           | SCHWARZBECK  | BBHA9120D            | 9120D 1065   | 04/21/2022       |
| 7    | DRG Horn Antenna       | A.H. Systems | SAS-574              | 588          | 06/01/2022       |
| 8    | Preamplifier Amplifier | HP           | 8447F                | 3113A05680   | 12/11/2021       |
| 9    | Preamplifier Amplifier | Aeroflex     | 33711-392-77150-11   | 97           | 06/01/2022       |
| 10   | PRE-AMPLIFIER          | CY           | EMC011830            | 980136       | 12/11/2021       |
| 11   | RF Cable               | R&S          | Test Cable 4         | 4            | 12/11/2021       |
| 12   | RF Cable               | R&S          | Test Cable 5         | 5            | 12/11/2021       |
| 13   | RF Cable               | R&S          | Test Cable 9         | 9            | 04/21/2022       |
| 14   | RF Cable               | R&S          | Test Cable 10        | 10           | 12/11/2021       |
| 15   | Measurement Software   | Farad        | EZ-EMC (Ver.ATT-03A) | N/A          | N/A              |

## 5.4. TEST SETUP

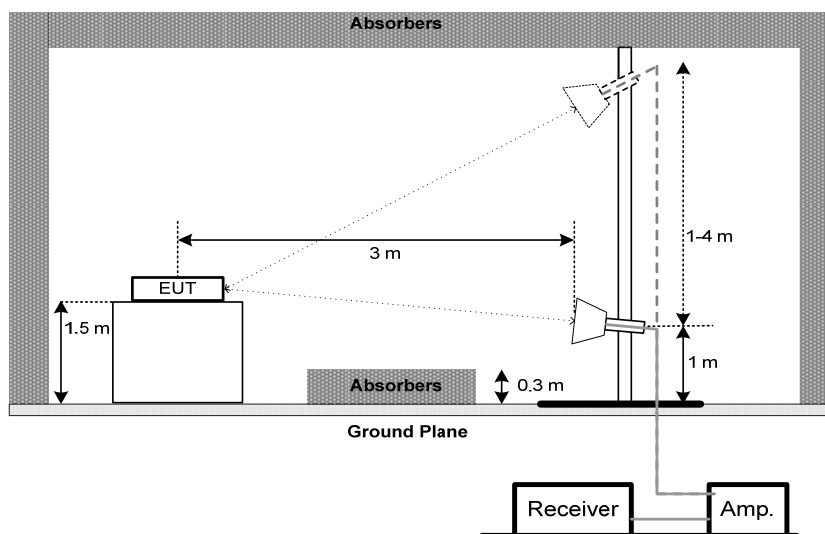
### 9 kHz to 30 MHz



### 30 MHz to 1 GHz



### Above 1 GHz



## 5.5. EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

**5.6.TEST RESULTS - 9 KHZ to 30MHZ**

|            |                                  |
|------------|----------------------------------|
| Test Mode: | TX N(HT40) Mode / CH155 (UNII-3) |
|------------|----------------------------------|

| Freq. | Reading  | Limit    | Margin | State |
|-------|----------|----------|--------|-------|
| (MHz) | (dBuV/m) | (dBuV/m) | (dB)   | P/F   |
| --    | --       | --       | --     | P     |
| --    | --       | --       | --     | P     |

**Note:**

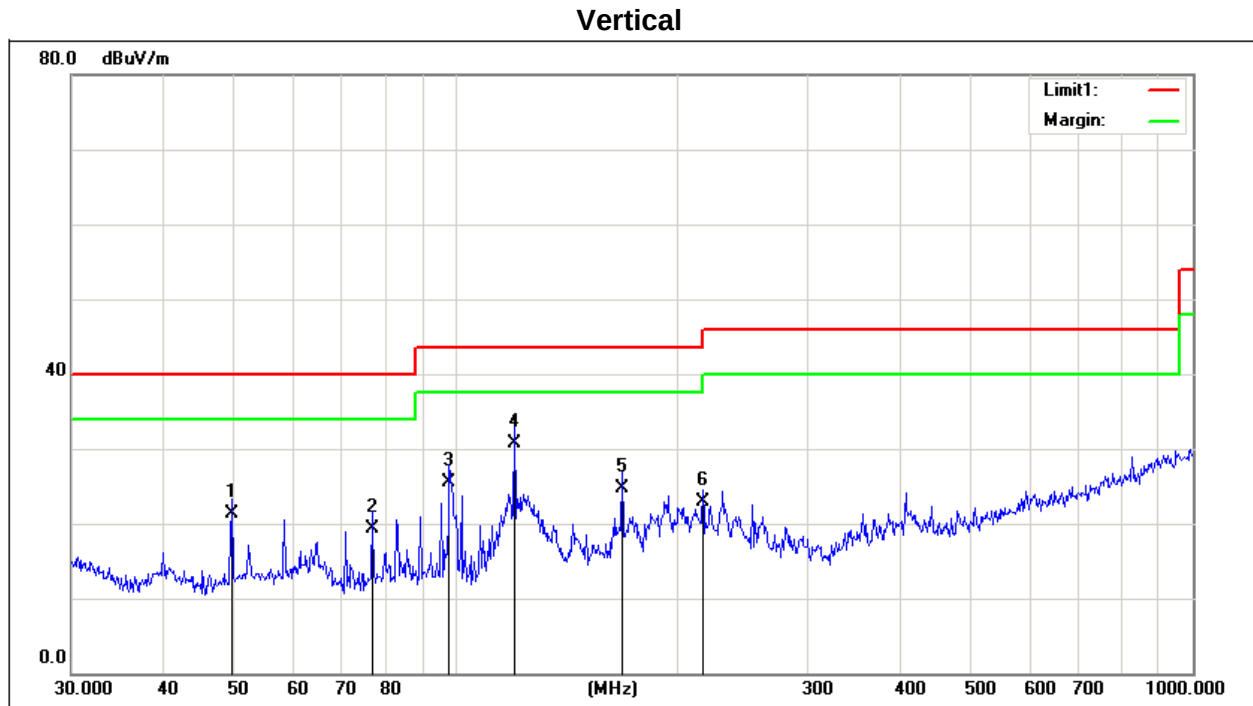
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =  $20 \log (\text{specific distance/test distance})$ (dB);

Limit line = specific limits(dBuv) + distance extrapolation factor

## 5.7.TEST RESULTS - 30 MHz TO 1000 MHz

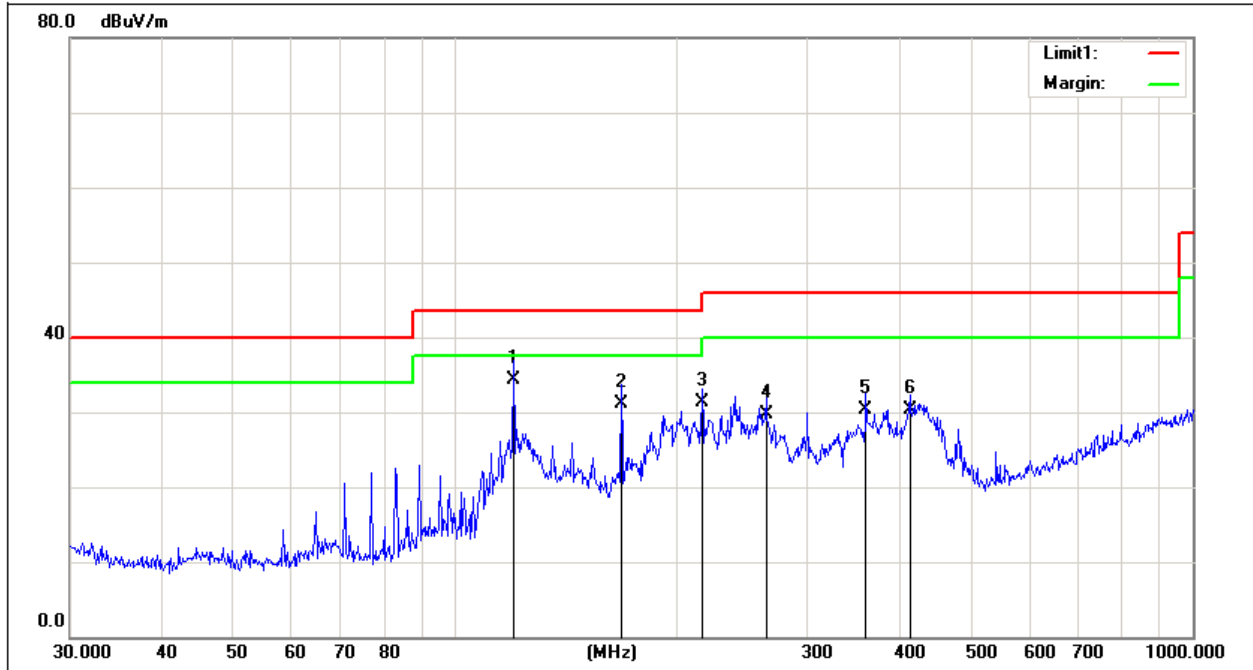
Test Mode: TX N(HT40) Mode / CH155 (UNII-3)



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 49.5328            | 34.58               | -13.20                  | 21.38              | 40.00             | -18.62         | QP     |
| 2   | 76.7808            | 34.31               | -14.99                  | 19.32              | 40.00             | -20.68         | QP     |
| 3   | 97.7983            | 40.18               | -14.60                  | 25.58              | 43.50             | -17.92         | QP     |
| 4   | 119.8556           | 43.66               | -12.89                  | 30.77              | 43.50             | -12.73         | QP     |
| 5   | 167.8243           | 35.23               | -10.48                  | 24.75              | 43.50             | -18.75         | QP     |
| 6   | 216.0240           | 33.41               | -10.58                  | 22.83              | 46.00             | -23.17         | QP     |

Test Mode: TX N(HT40) Mode / CH155 (UNII-3)

## Horizontal

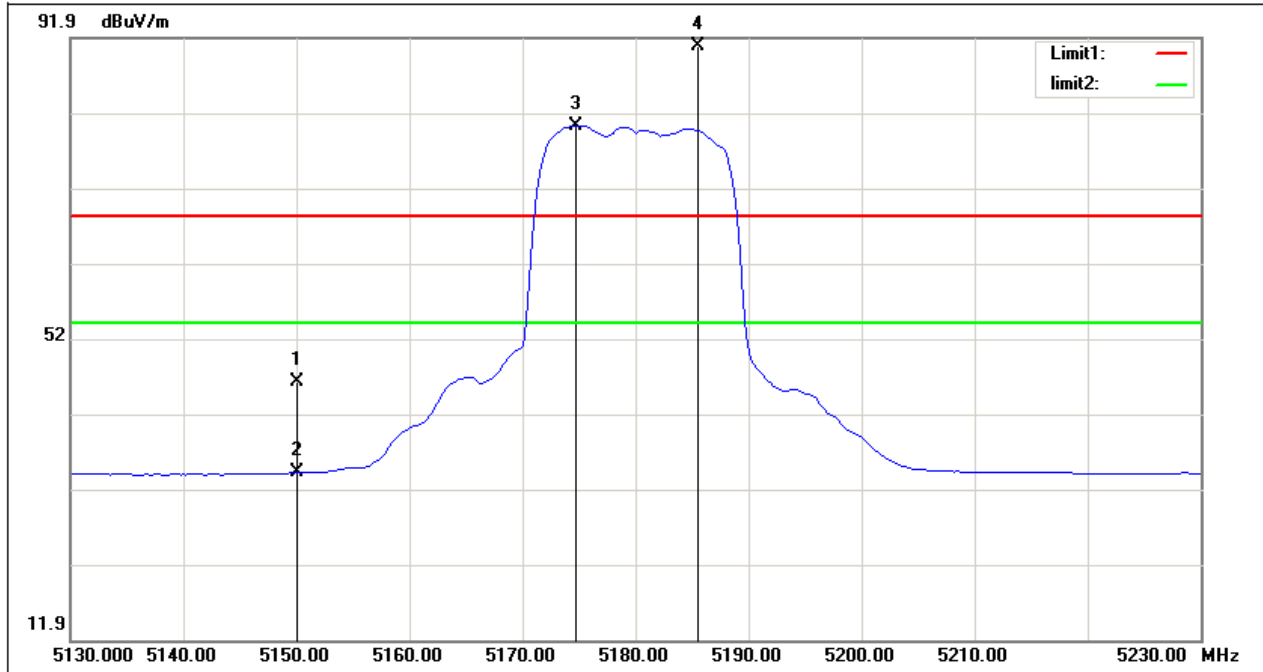


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 119.8556           | 48.15               | -13.89                  | 34.26              | 43.50             | -9.24          | QP     |
| 2   | 167.8243           | 41.99               | -10.91                  | 31.08              | 43.50             | -12.42         | QP     |
| 3   | 216.0240           | 40.77               | -9.38                   | 31.39              | 46.00             | -14.61         | QP     |
| 4   | 263.8190           | 34.52               | -4.76                   | 29.76              | 46.00             | -16.24         | QP     |
| 5   | 360.4476           | 37.86               | -7.63                   | 30.23              | 46.00             | -15.77         | QP     |
| 6   | 413.2706           | 37.64               | -7.33                   | 30.31              | 46.00             | -15.69         | QP     |

## 5.8.TEST RESULTS - ABOVE1000 MHz(BAND EDGE)

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-1_TX A Mode 5180 MHz |

### Vertical

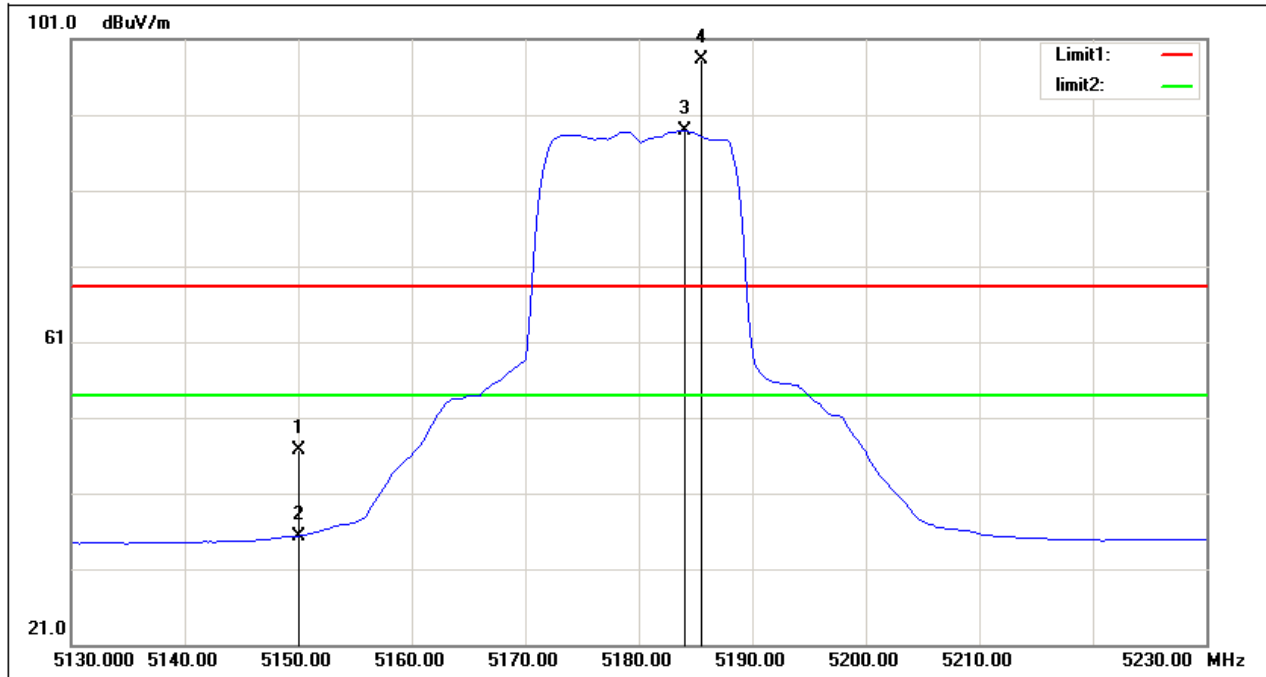


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5150.000           | 11.21               | 34.94                   | 46.15              | 68.30             | -22.15         | peak   |
| 2   | 5150.000           | -0.81               | 34.94                   | 34.13              | 54.00             | -19.87         | AVG    |
| 3   | 5174.750           | 45.27               | 35.01                   | 80.28              | /                 | /              | AVG    |
| 4   | 5185.500           | 55.69               | 35.05                   | 90.74              | /                 | /              | peak   |



|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-1_TX A Mode 5180 MHz |

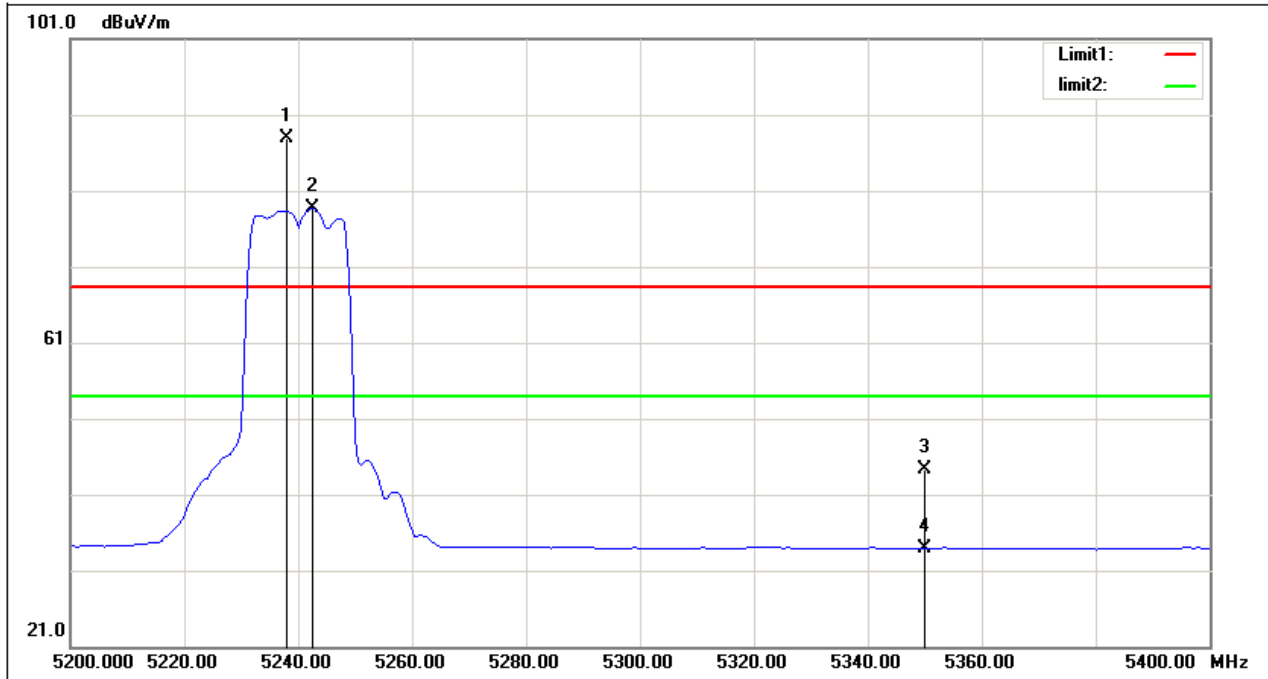
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5150.000           | 11.72               | 34.94                   | 46.66              | 68.30             | -21.64         | peak   |
| 2   | 5150.000           | 0.43                | 34.94                   | 35.37              | 54.00             | -18.63         | AVG    |
| 3   | 5184.000           | 53.83               | 35.04                   | 88.87              | /                 | /              | AVG    |
| 4   | 5185.500           | 63.34               | 35.05                   | 98.39              | /                 | /              | peak   |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-1_TX A Mode 5240 MHz |

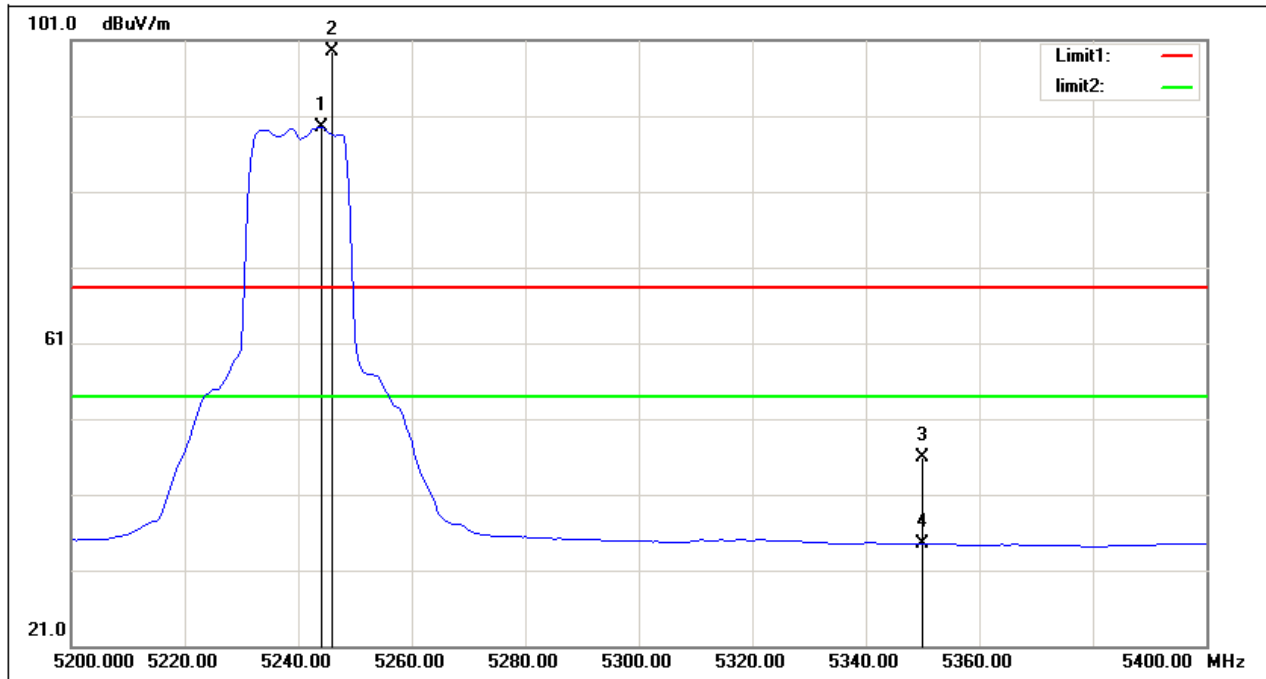
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5238.000           | 52.62               | 35.19                   | 87.81              | /                 | /              | peak   |
| 2   | 5242.500           | 43.42               | 35.20                   | 78.62              | /                 | /              | AVG    |
| 3   | 5350.000           | 8.77                | 35.50                   | 44.27              | 68.30             | -24.03         | peak   |
| 4   | 5350.000           | -1.61               | 35.50                   | 33.89              | 54.00             | -20.11         | AVG    |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-1_TX A Mode 5240 MHz |

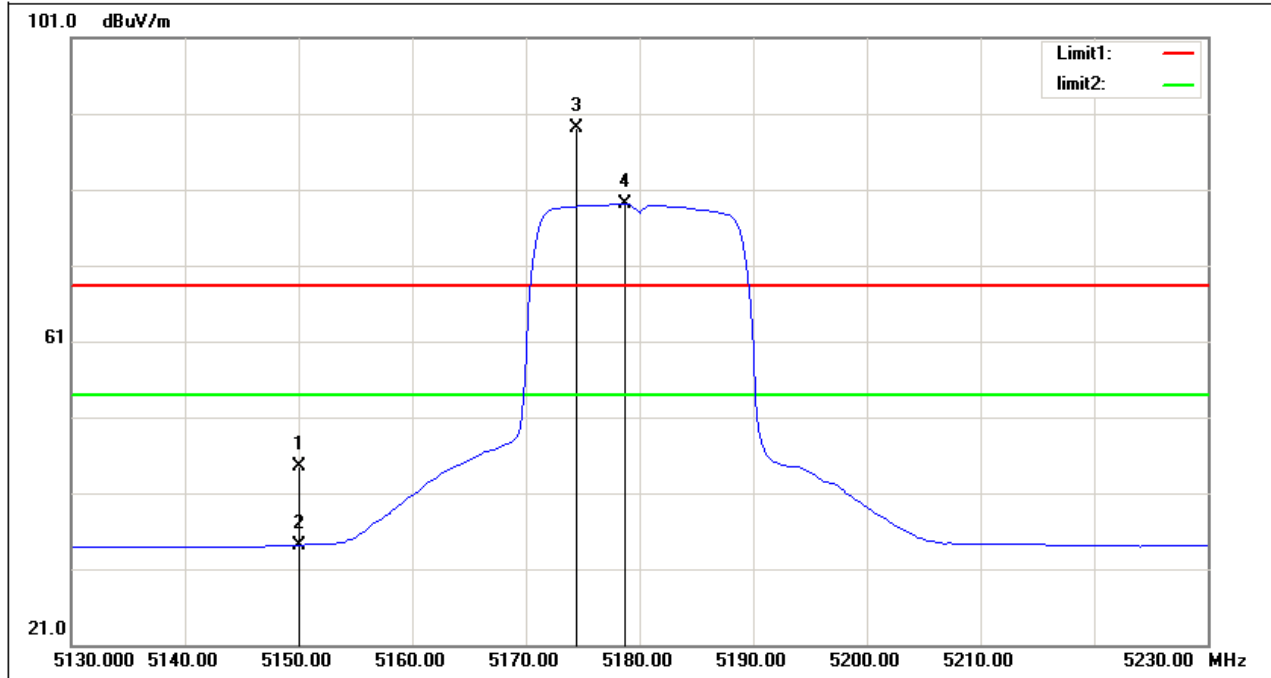
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5244.000           | 54.29               | 35.21                   | 89.50              | /                 | /              | AVG    |
| 2   | 5246.000           | 64.21               | 35.21                   | 99.42              | /                 | /              | peak   |
| 3   | 5350.000           | 10.39               | 35.50                   | 45.89              | 68.30             | -22.41         | peak   |
| 4   | 5350.000           | -1.03               | 35.50                   | 34.47              | 54.00             | -19.53         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT20) Mode 5180 MHz |

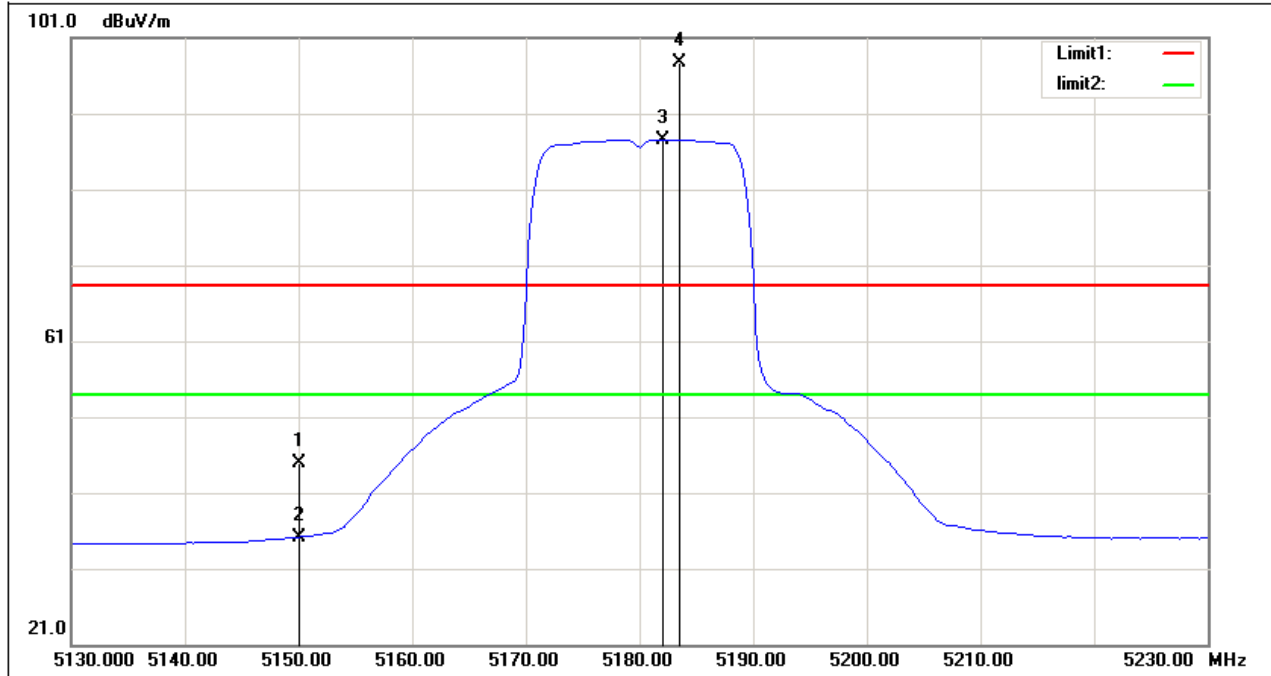
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5150.000           | 9.55                | 34.94                   | 44.49              | 68.30             | -23.81         | peak   |
| 2   | 5150.000           | -0.78               | 34.94                   | 34.16              | 54.00             | -19.84         | AVG    |
| 3   | 5174.500           | 54.15               | 35.01                   | 89.16              | /                 | /              | peak   |
| 4   | 5178.750           | 44.02               | 35.02                   | 79.04              | /                 | /              | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT20) Mode 5180 MHz |

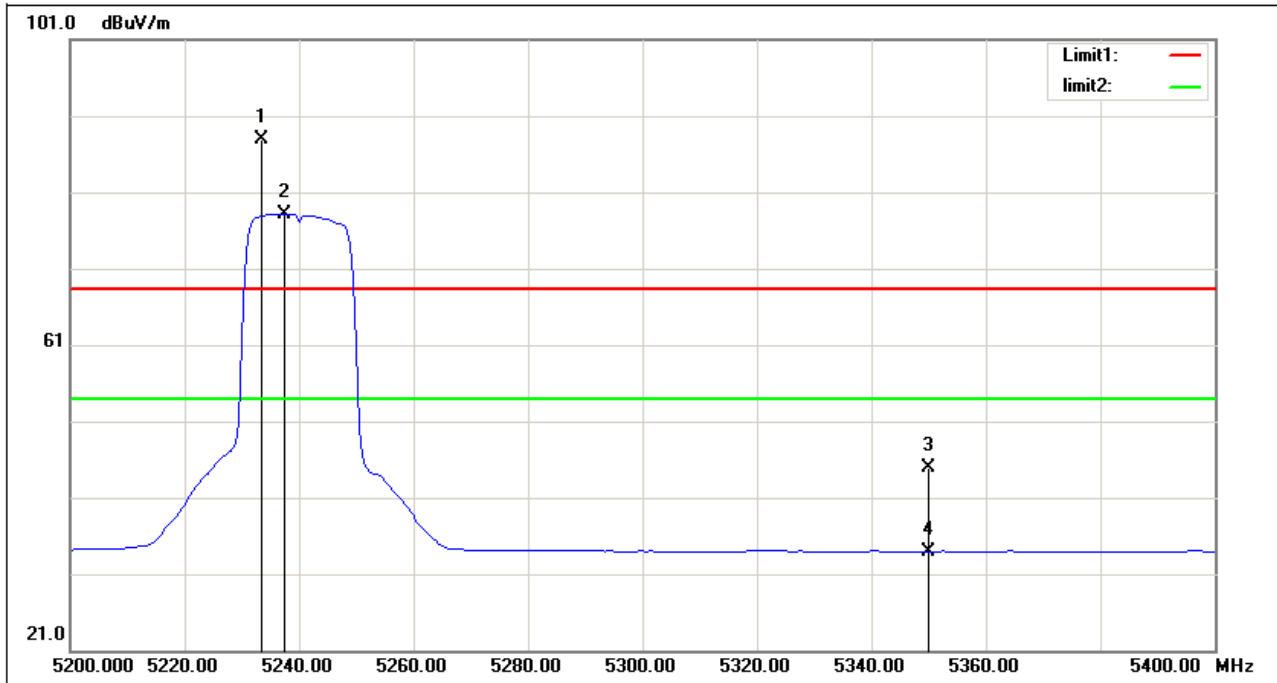
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5150.000           | 10.00               | 34.94                   | 44.94              | 68.30             | -23.36         | peak   |
| 2   | 5150.000           | 0.22                | 34.94                   | 35.16              | 54.00             | -18.84         | AVG    |
| 3   | 5182.000           | 52.53               | 35.03                   | 87.56              | /                 | /              | AVG    |
| 4   | 5183.500           | 62.57               | 35.04                   | 97.61              | /                 | /              | peak   |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT20) Mode 5240 MHz |

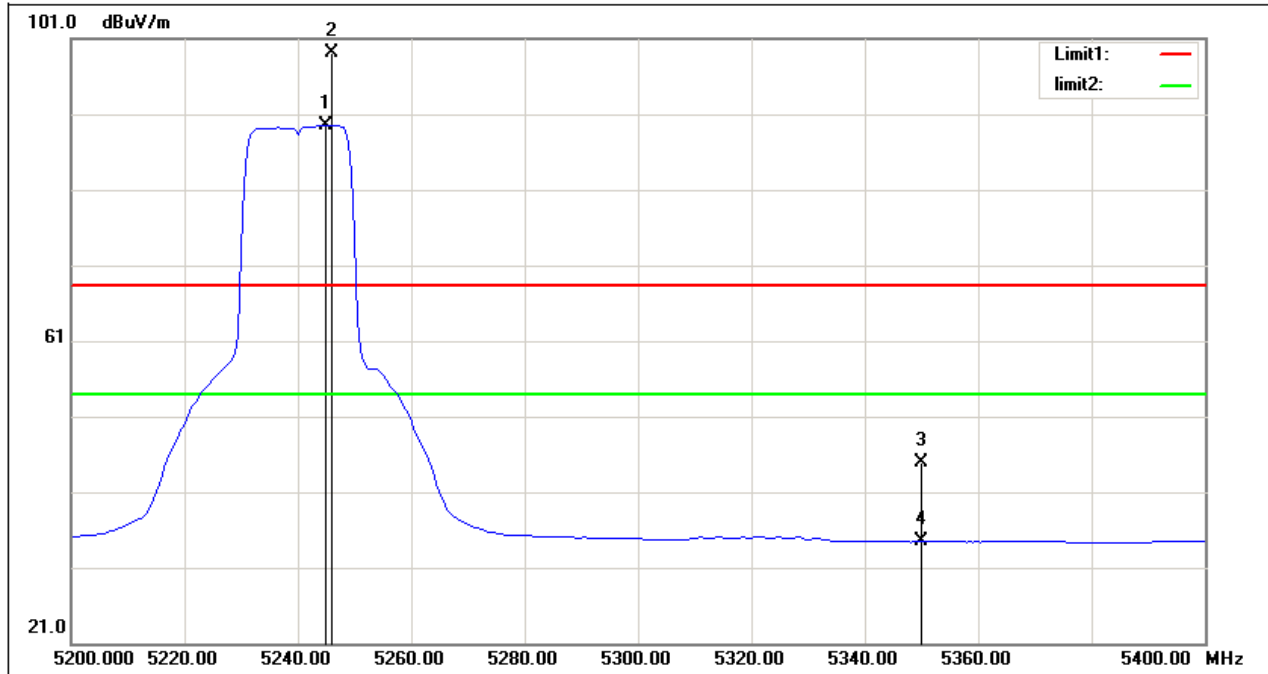
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5233.500           | 52.75               | 35.18                   | 87.93              | /                 | /              | peak   |
| 2   | 5237.500           | 43.00               | 35.19                   | 78.19              | /                 | /              | AVG    |
| 3   | 5350.000           | 9.45                | 35.50                   | 44.95              | 68.30             | -23.35         | peak   |
| 4   | 5350.000           | -1.57               | 35.50                   | 33.93              | 54.00             | -20.07         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT20) Mode 5240 MHz |

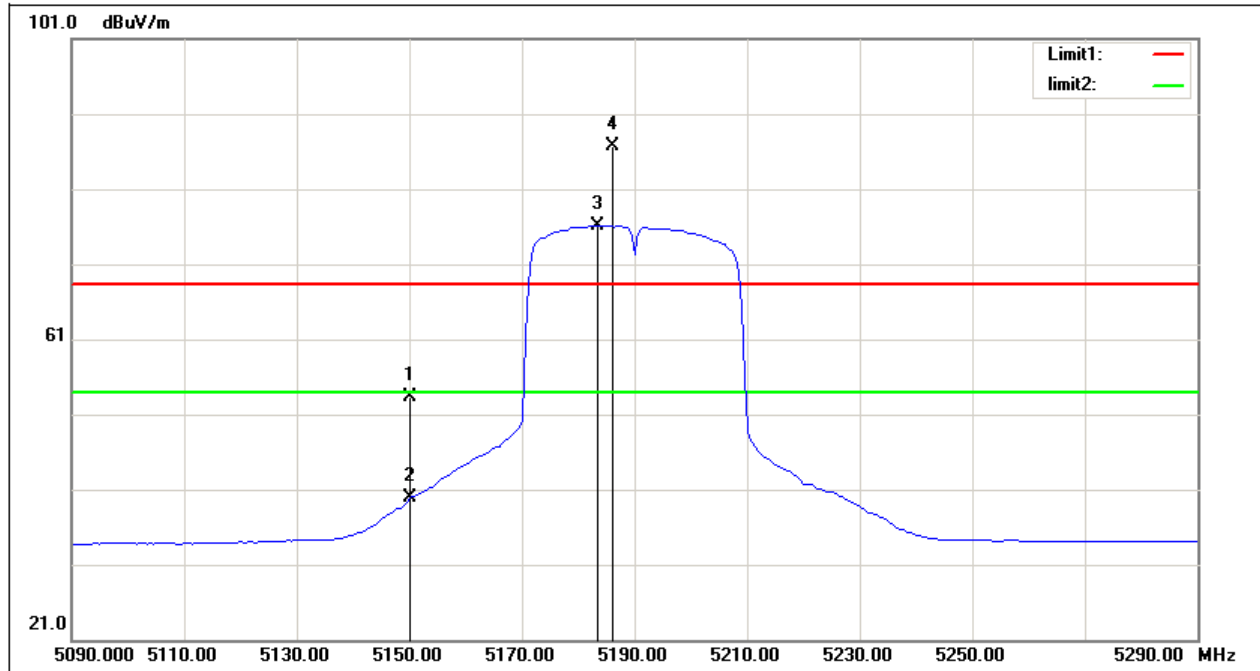
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5245.000           | 54.33               | 35.21                   | 89.54              | /                 | /              | AVG    |
| 2   | 5246.000           | 63.93               | 35.21                   | 99.14              | /                 | /              | peak   |
| 3   | 5350.000           | 9.38                | 35.50                   | 44.88              | 68.30             | -23.42         | peak   |
| 4   | 5350.000           | -1.05               | 35.50                   | 34.45              | 54.00             | -19.55         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT40) Mode 5190 MHz |

## Vertical

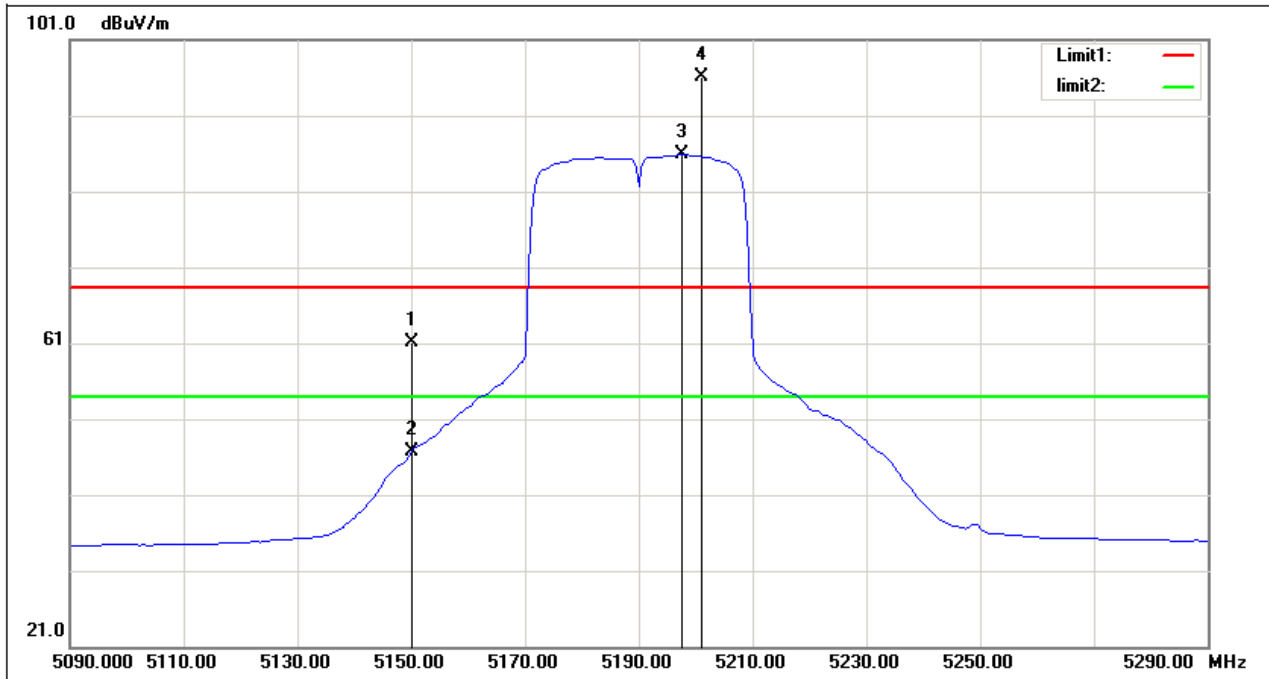


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5150.000           | 18.43               | 34.94                   | 53.37              | 68.30             | -14.93         | peak   |
| 2   | 5150.000           | 4.88                | 34.94                   | 39.82              | 54.00             | -14.18         | AVG    |
| 3   | 5183.500           | 41.09               | 35.04                   | 76.13              | /                 | /              | AVG    |
| 4   | 5186.000           | 51.72               | 35.05                   | 86.77              | /                 | /              | peak   |



|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT40) Mode 5190 MHz |

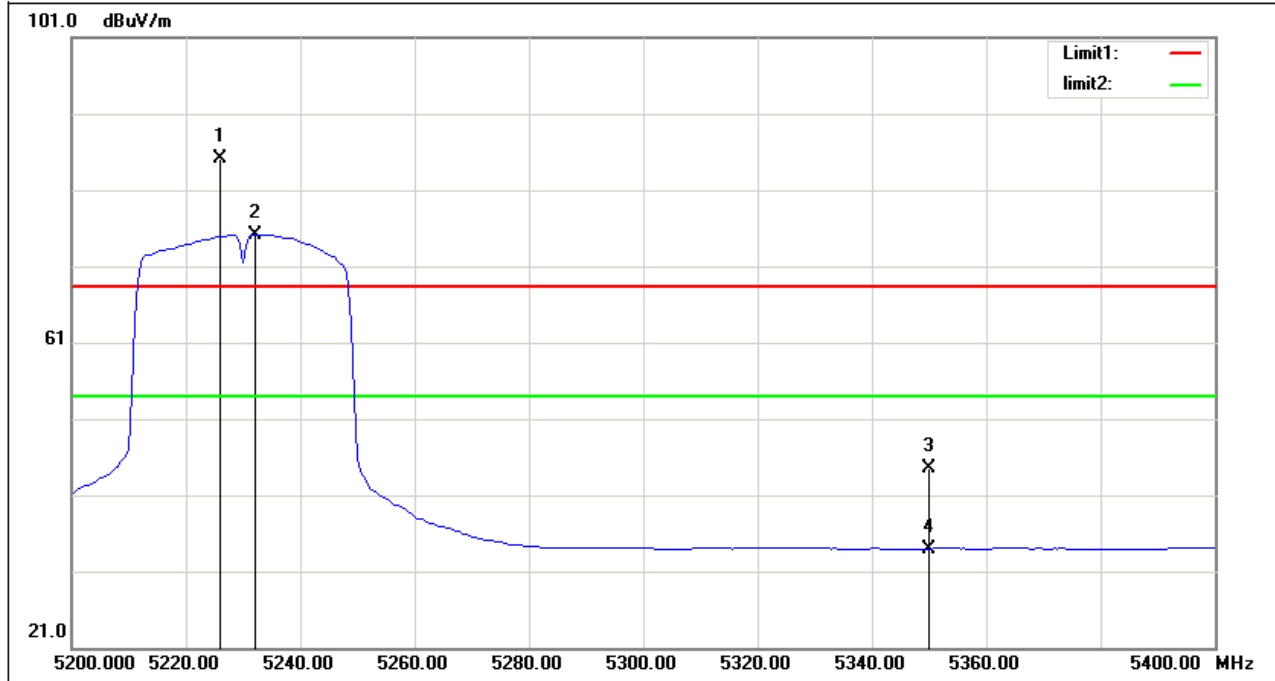
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5150.000           | 26.11               | 34.94                   | 61.05              | 68.30             | -7.25          | peak   |
| 2   | 5150.000           | 11.86               | 34.94                   | 46.80              | 54.00             | -7.20          | AVG    |
| 3   | 5197.500           | 50.81               | 35.07                   | 85.88              | /                 | /              | AVG    |
| 4   | 5201.000           | 60.93               | 35.08                   | 96.01              | /                 | /              | peak   |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT40) Mode 5230 MHz |

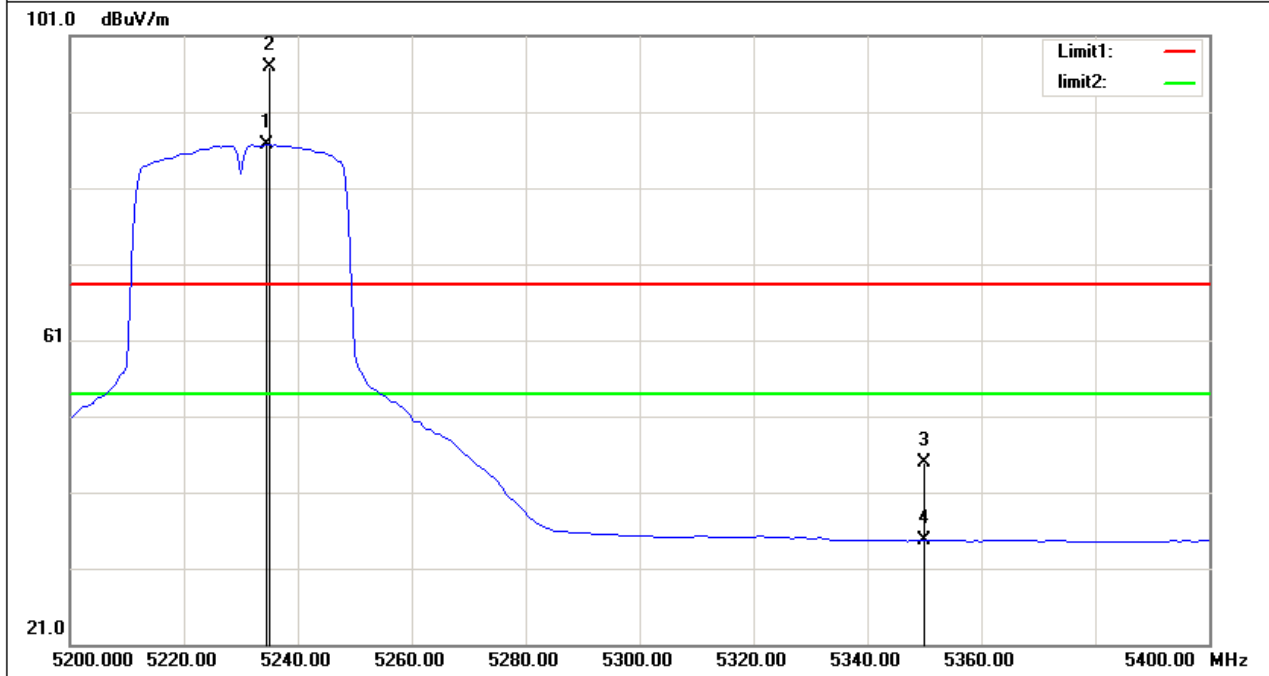
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5226.000           | 50.05               | 35.15                   | 85.20              | /                 | /              | peak   |
| 2   | 5232.000           | 39.98               | 35.18                   | 75.16              | /                 | /              | AVG    |
| 3   | 5350.000           | 8.94                | 35.50                   | 44.44              | 68.30             | -23.86         | peak   |
| 4   | 5350.000           | -1.54               | 35.50                   | 33.96              | 54.00             | -20.04         | AVG    |

|                 |                                   |
|-----------------|-----------------------------------|
| Orthogonal Axis | X                                 |
| Test Mode       | UNII-2A_TX N (HT40) Mode 5230 MHz |

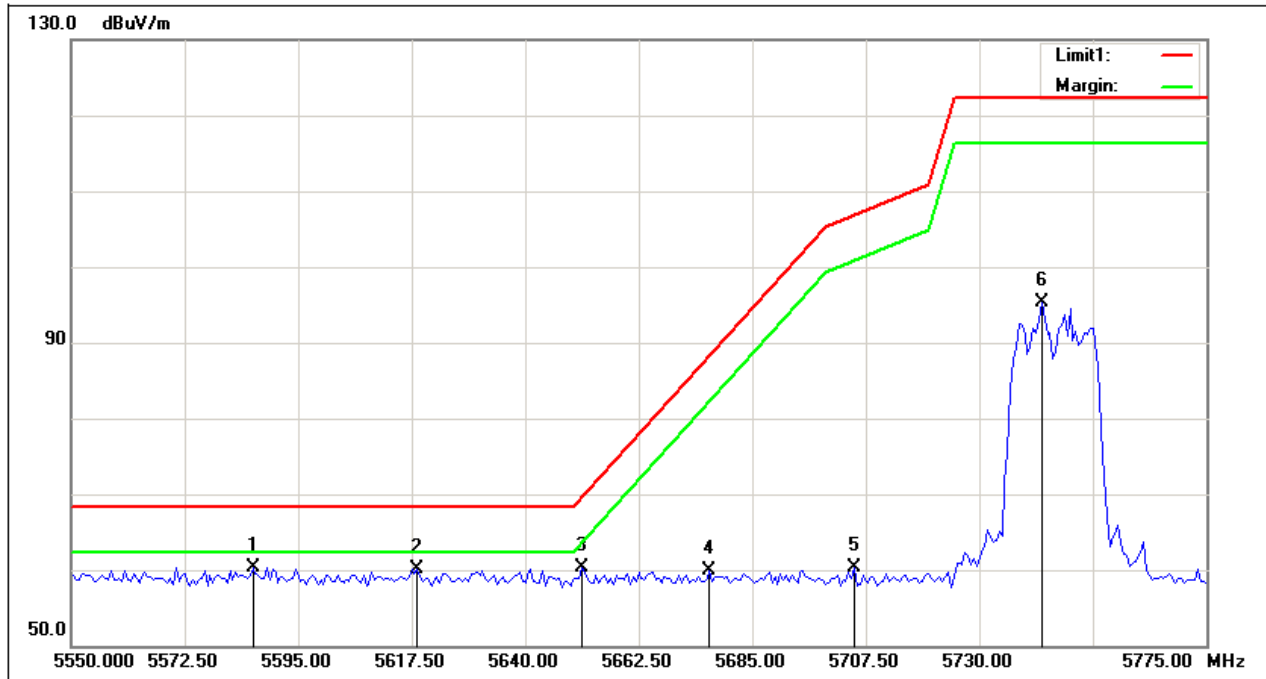
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5234.500           | 51.49               | 35.18                   | 86.67              | /                 | /              | AVG    |
| 2   | 5235.000           | 61.75               | 35.18                   | 96.93              | /                 | /              | peak   |
| 3   | 5350.000           | 9.40                | 35.50                   | 44.90              | 68.30             | -23.40         | peak   |
| 4   | 5350.000           | -0.86               | 35.50                   | 34.64              | 54.00             | -19.36         | AVG    |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-3_TX A Mode 5745 MHz |

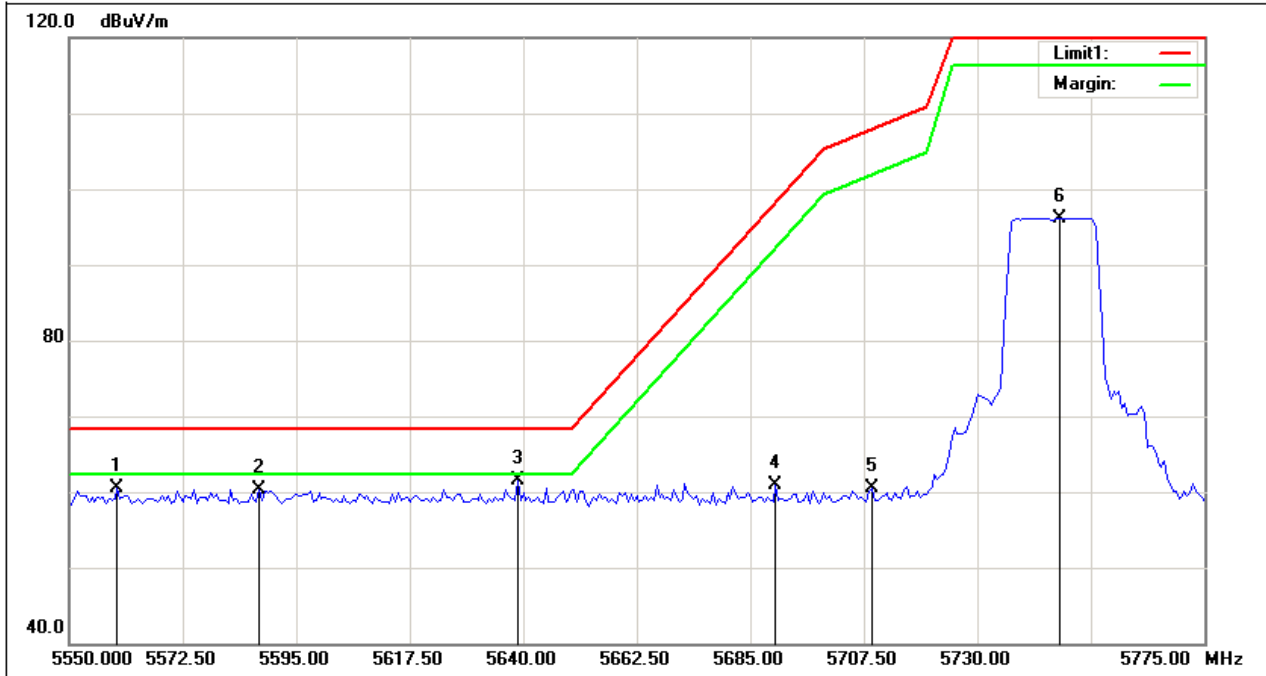
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5586.000           | 24.49               | 35.89                   | 60.38              | 68.30             | -7.92          | peak   |
| 2   | 5618.625           | 24.30               | 35.87                   | 60.17              | 68.30             | -8.13          | peak   |
| 3   | 5651.250           | 24.39               | 35.87                   | 60.26              | 69.22             | -8.96          | peak   |
| 4   | 5676.563           | 24.09               | 35.86                   | 59.95              | 87.96             | -28.01         | peak   |
| 5   | 5705.250           | 24.42               | 35.85                   | 60.27              | 106.77            | -46.50         | peak   |
| 6   | 5742.375           | 59.39               | 35.83                   | 95.22              | 122.30            | -27.08         | peak   |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-3_TX A Mode 5745 MHz |

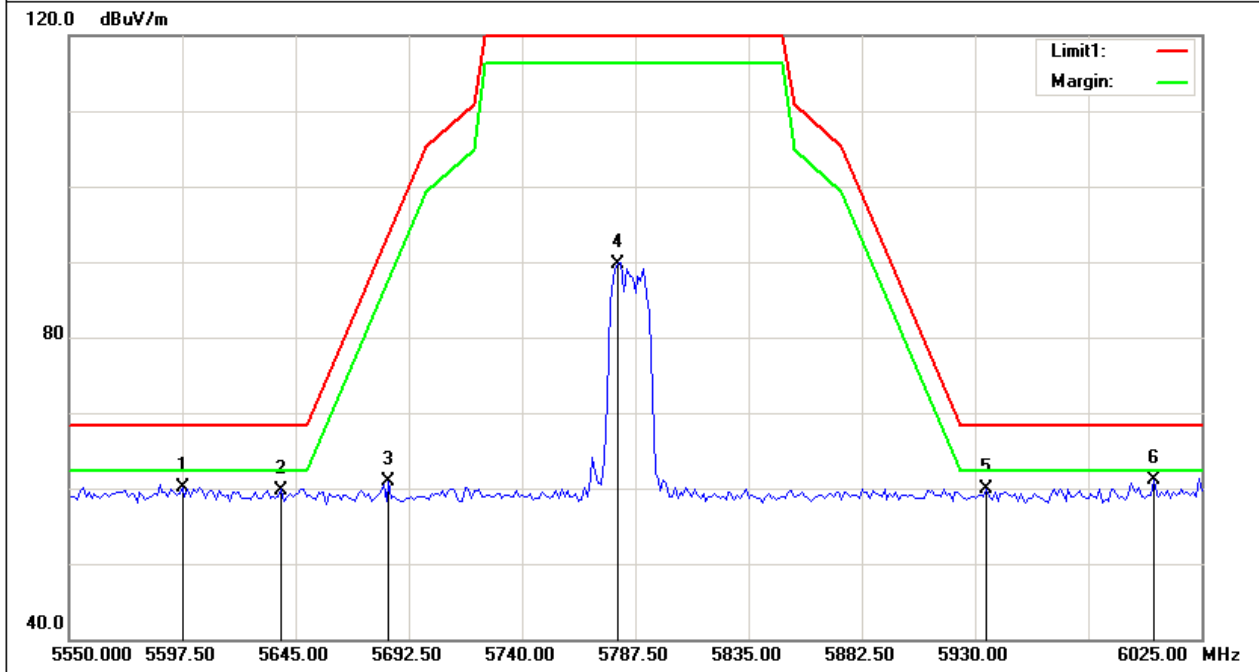
## Horizontal



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 5559.563        | 24.54            | 35.90                 | 60.44           | 68.30          | -7.86       | peak   |
| 2   | 5587.688        | 24.43            | 35.89                 | 60.32           | 68.30          | -7.98       | peak   |
| 3   | 5638.875        | 25.68            | 35.87                 | 61.55           | 68.30          | -6.75       | peak   |
| 4   | 5690.063        | 25.07            | 35.85                 | 60.92           | 97.95          | -37.03      | peak   |
| 5   | 5709.188        | 24.68            | 35.84                 | 60.52           | 107.87         | -47.35      | peak   |
| 6   | 5746.313        | 60.34            | 35.83                 | 96.17           | 122.30         | -26.13      | peak   |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-3_TX A Mode 5785 MHz |

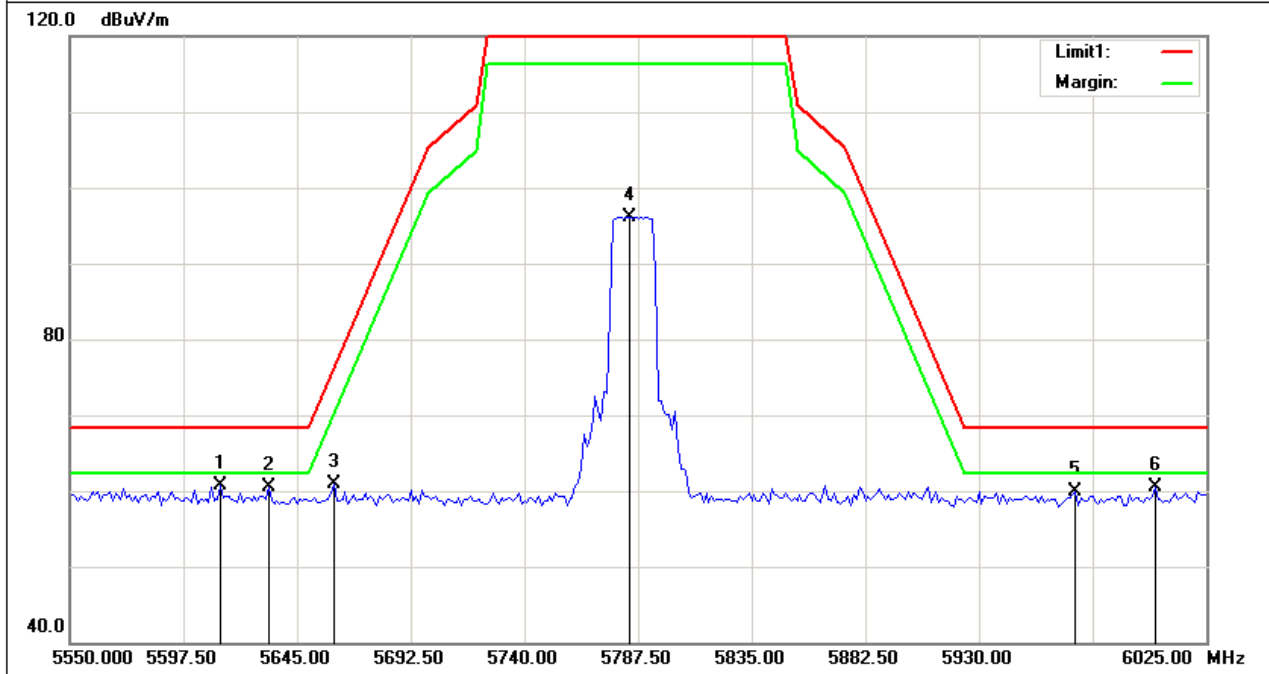
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5597.500           | 24.16               | 35.88                   | 60.04              | 68.30             | -8.26          | peak   |
| 2   | 5639.063           | 23.93               | 35.87                   | 59.80              | 68.30             | -8.50          | peak   |
| 3   | 5684.188           | 25.05               | 35.85                   | 60.90              | 93.60             | -32.70         | peak   |
| 4   | 5780.375           | 53.94               | 35.82                   | 89.76              | 122.30            | -32.54         | peak   |
| 5   | 5934.750           | 24.22               | 35.75                   | 59.97              | 68.30             | -8.33          | peak   |
| 6   | 6004.813           | 25.37               | 35.75                   | 61.12              | 68.30             | -7.18          | peak   |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-3_TX A Mode 5785 MHz |

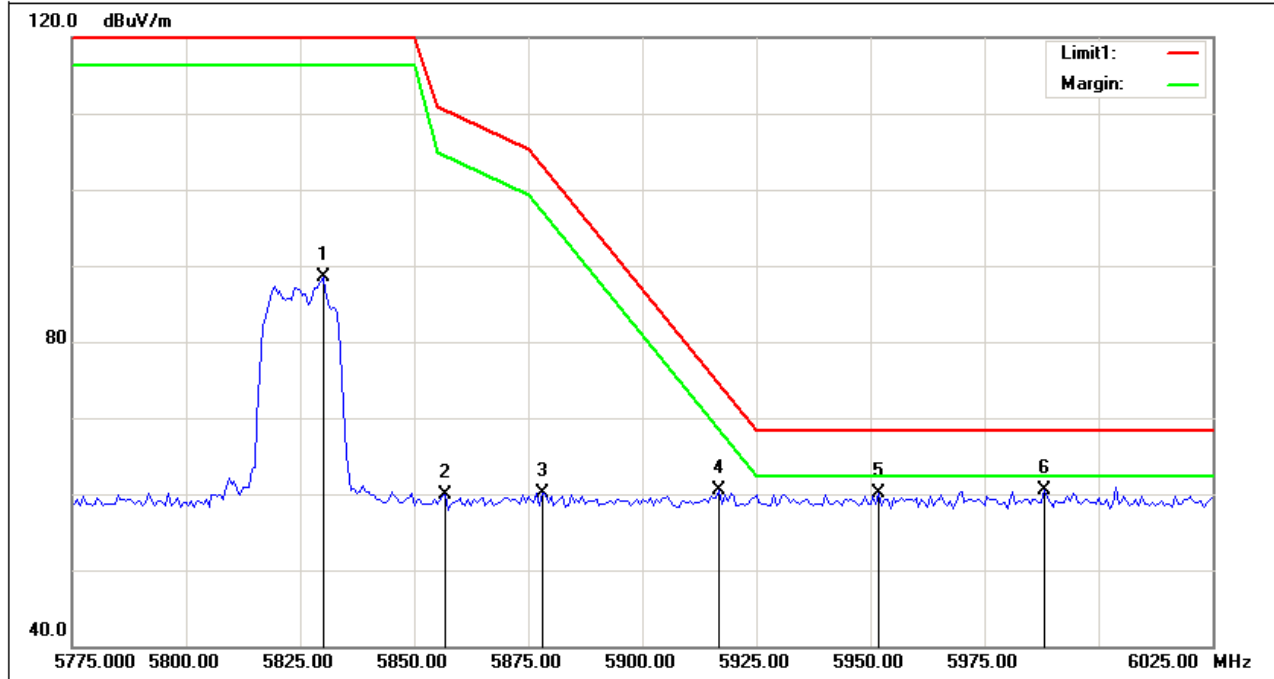
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5612.938           | 24.84               | 35.88                   | 60.72              | 68.30             | -7.58          | peak   |
| 2   | 5633.125           | 24.62               | 35.87                   | 60.49              | 68.30             | -7.81          | peak   |
| 3   | 5660.438           | 25.10               | 35.86                   | 60.96              | 76.02             | -15.06         | peak   |
| 4   | 5783.938           | 60.33               | 35.81                   | 96.14              | 122.30            | -26.16         | peak   |
| 5   | 5970.375           | 24.09               | 35.74                   | 59.83              | 68.30             | -8.47          | peak   |
| 6   | 6003.625           | 24.73               | 35.75                   | 60.48              | 68.30             | -7.82          | peak   |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-3_TX A Mode 5825 MHz |

## Vertical

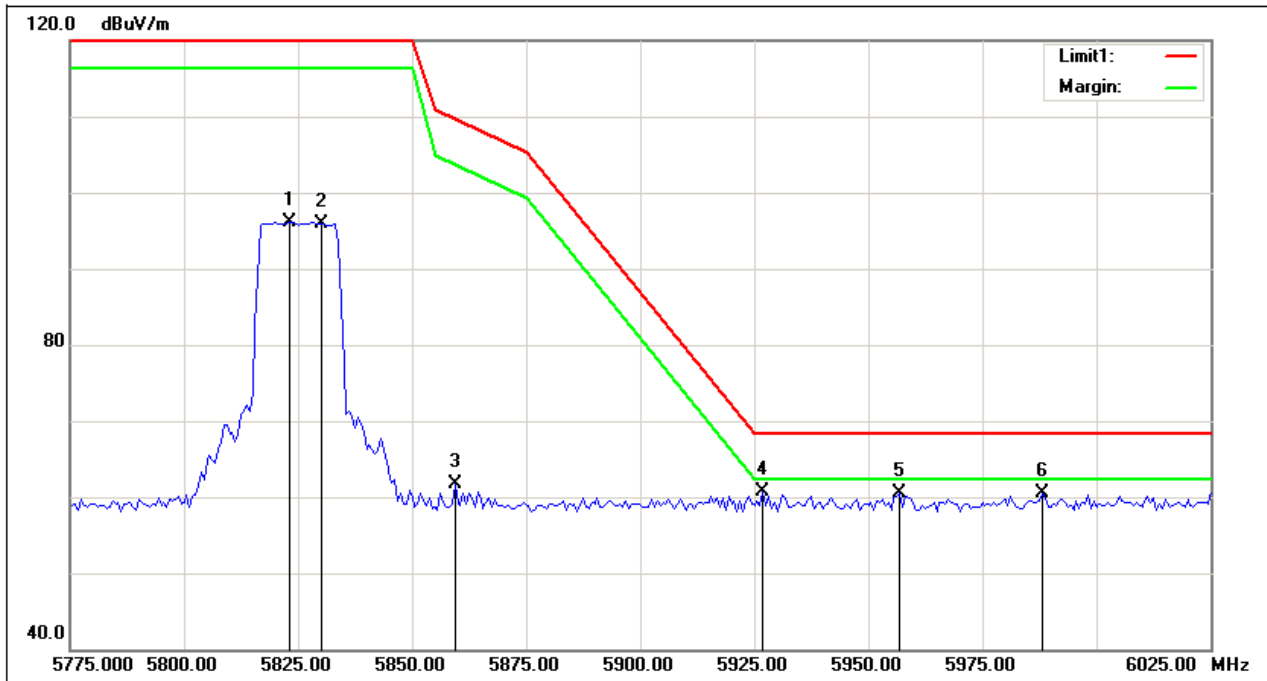


| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 5830.000        | 52.75            | 35.80                 | 88.55           | 122.30         | -33.75      | peak   |
| 2   | 5856.875        | 24.15            | 35.78                 | 59.93           | 110.37         | -50.44      | peak   |
| 3   | 5878.125        | 24.23            | 35.78                 | 60.01           | 102.99         | -42.98      | peak   |
| 4   | 5916.875        | 24.67            | 35.77                 | 60.44           | 74.31          | -13.87      | peak   |
| 5   | 5951.875        | 24.33            | 35.75                 | 60.08           | 68.30          | -8.22       | peak   |
| 6   | 5988.125        | 24.83            | 35.74                 | 60.57           | 68.30          | -7.73       | peak   |



|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-3_TX A Mode 5825 MHz |

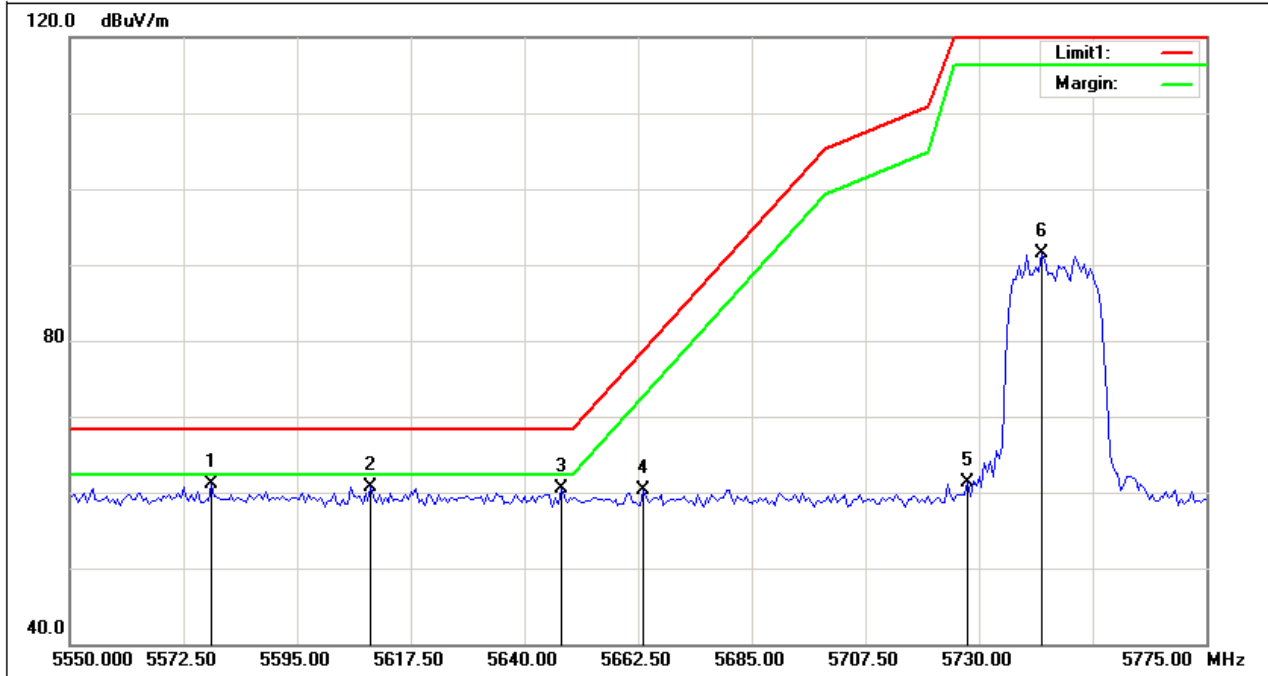
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5823.125           | 60.29               | 35.80                   | 96.09              | 122.30            | -26.21         | peak   |
| 2   | 5830.000           | 60.12               | 35.80                   | 95.92              | 122.30            | -26.38         | peak   |
| 3   | 5859.375           | 25.84               | 35.78                   | 61.62              | 109.67            | -48.05         | peak   |
| 4   | 5926.875           | 24.90               | 35.76                   | 60.66              | 68.30             | -7.64          | peak   |
| 5   | 5956.875           | 24.78               | 35.74                   | 60.52              | 68.30             | -7.78          | peak   |
| 6   | 5988.125           | 24.74               | 35.74                   | 60.48              | 68.30             | -7.82          | peak   |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT20) Mode 5745 MHz |

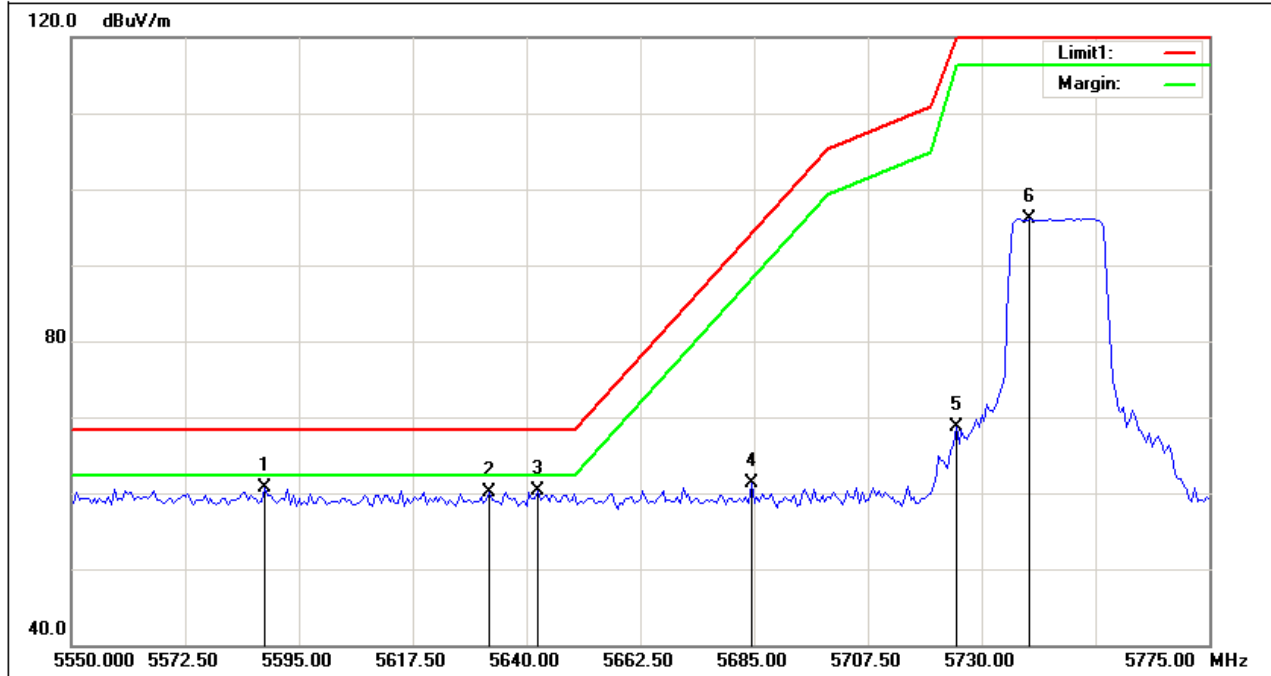
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5578.125           | 25.15               | 35.90                   | 61.05              | 68.30             | -7.25          | peak   |
| 2   | 5609.625           | 24.88               | 35.88                   | 60.76              | 68.30             | -7.54          | peak   |
| 3   | 5647.313           | 24.54               | 35.87                   | 60.41              | 68.30             | -7.89          | peak   |
| 4   | 5663.625           | 24.36               | 35.86                   | 60.22              | 78.38             | -18.16         | peak   |
| 5   | 5727.750           | 25.46               | 35.84                   | 61.30              | 122.30            | -61.00         | peak   |
| 6   | 5742.375           | 55.69               | 35.83                   | 91.52              | 122.30            | -30.78         | peak   |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT20) Mode 5745 MHz |

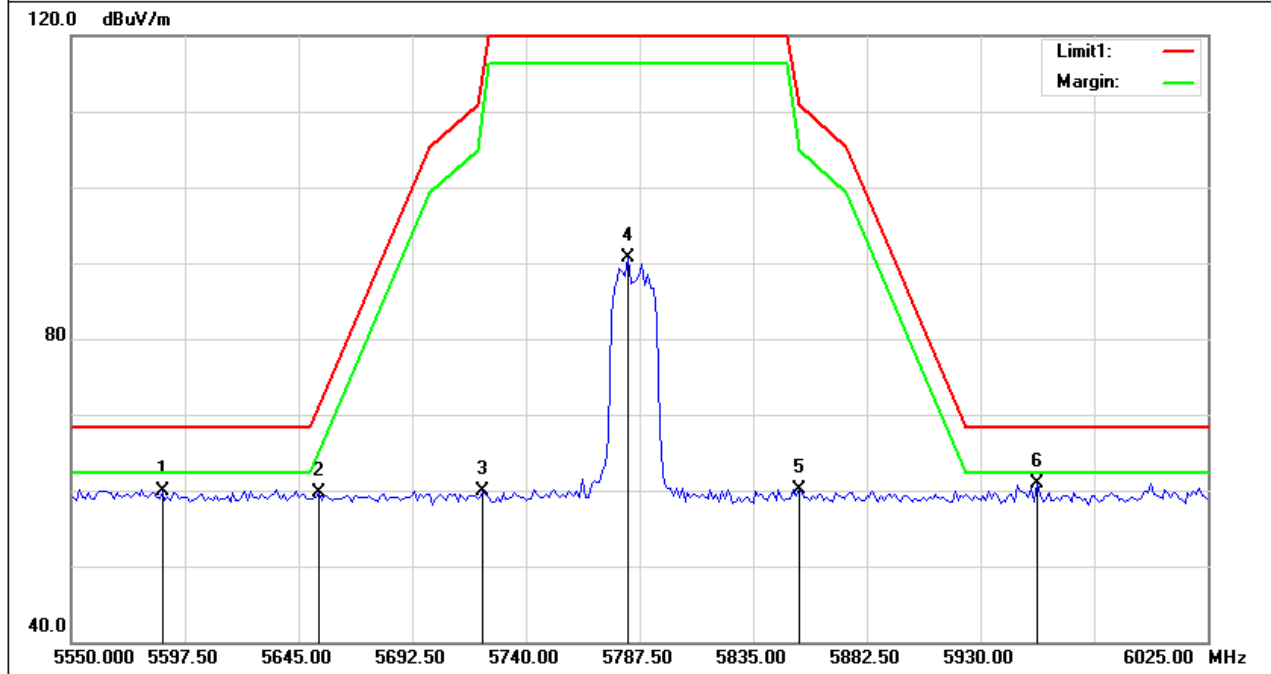
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5588.250           | 24.91               | 35.89                   | 60.80              | 68.30             | -7.50          | peak   |
| 2   | 5632.688           | 24.19               | 35.87                   | 60.06              | 68.30             | -8.24          | peak   |
| 3   | 5642.250           | 24.43               | 35.87                   | 60.30              | 68.30             | -8.00          | peak   |
| 4   | 5684.438           | 25.45               | 35.85                   | 61.30              | 93.78             | -32.48         | peak   |
| 5   | 5724.938           | 32.88               | 35.84                   | 68.72              | 122.16            | -53.44         | peak   |
| 6   | 5739.563           | 60.21               | 35.83                   | 96.04              | 122.30            | -26.26         | peak   |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT20) Mode 5785 MHz |

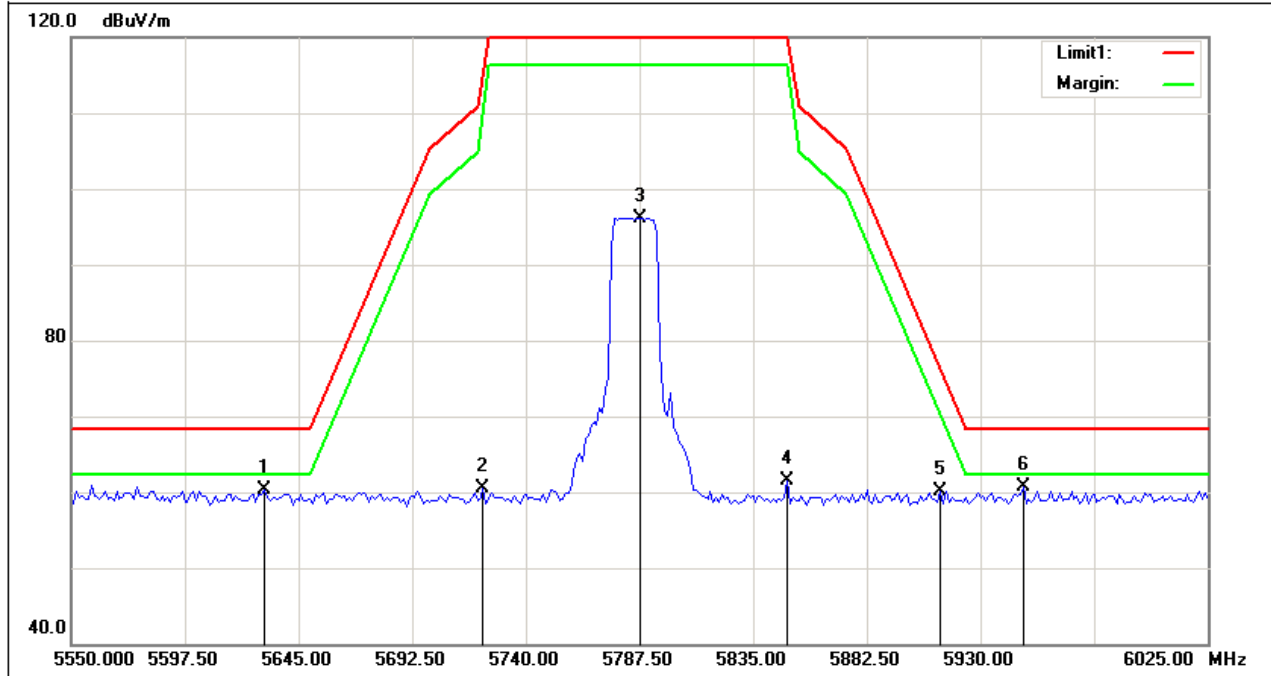
## Vertical



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 5588.000        | 23.95            | 35.89                 | 59.84           | 68.30          | -8.46       | peak   |
| 2   | 5653.313        | 23.78            | 35.87                 | 59.65           | 70.75          | -11.10      | peak   |
| 3   | 5722.188        | 24.10            | 35.84                 | 59.94           | 115.89         | -55.95      | peak   |
| 4   | 5782.750        | 54.87            | 35.81                 | 90.68           | 122.30         | -31.62      | peak   |
| 5   | 5854.000        | 24.36            | 35.79                 | 60.15           | 113.18         | -53.03      | peak   |
| 6   | 5953.750        | 25.10            | 35.75                 | 60.85           | 68.30          | -7.45       | peak   |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT20) Mode 5785 MHz |

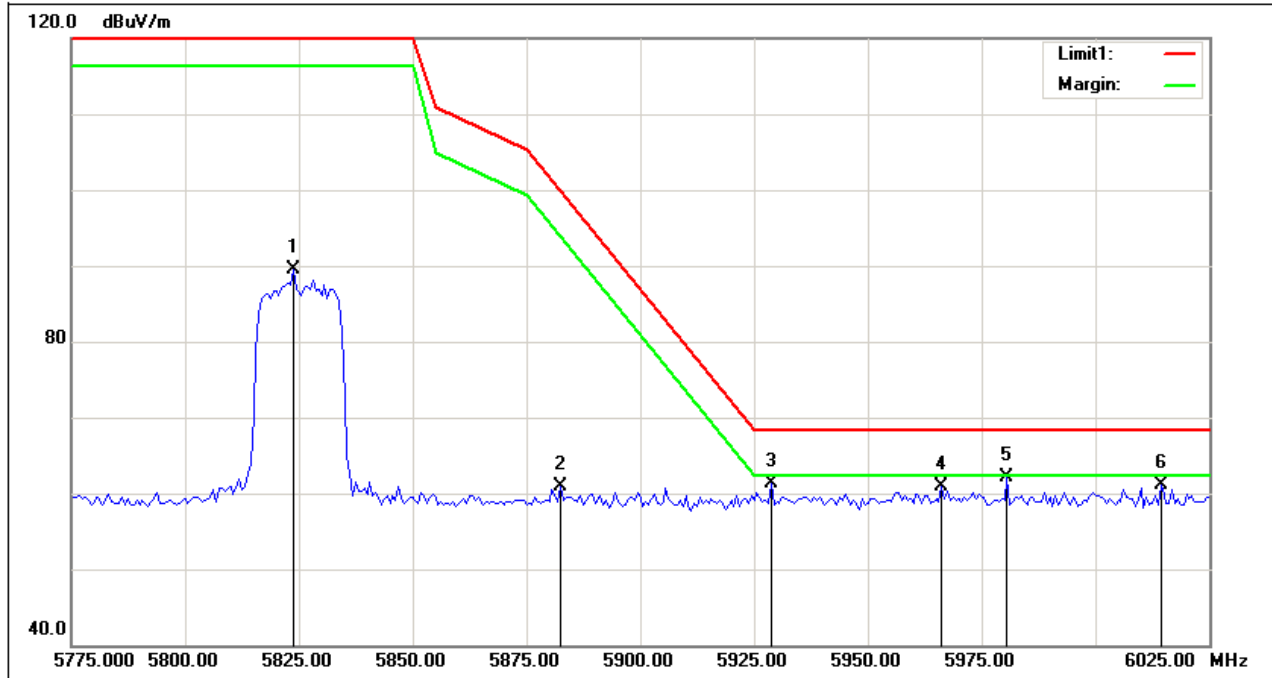
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5630.750           | 24.38               | 35.88                   | 60.26              | 68.30             | -8.04          | peak   |
| 2   | 5722.188           | 24.61               | 35.84                   | 60.45              | 115.89            | -55.44         | peak   |
| 3   | 5787.500           | 60.27               | 35.81                   | 96.08              | 122.30            | -26.22         | peak   |
| 4   | 5849.250           | 25.70               | 35.79                   | 61.49              | 122.30            | -60.81         | peak   |
| 5   | 5913.375           | 24.36               | 35.76                   | 60.12              | 76.90             | -16.78         | peak   |
| 6   | 5947.813           | 25.03               | 35.75                   | 60.78              | 68.30             | -7.52          | peak   |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT20) Mode 5825 MHz |

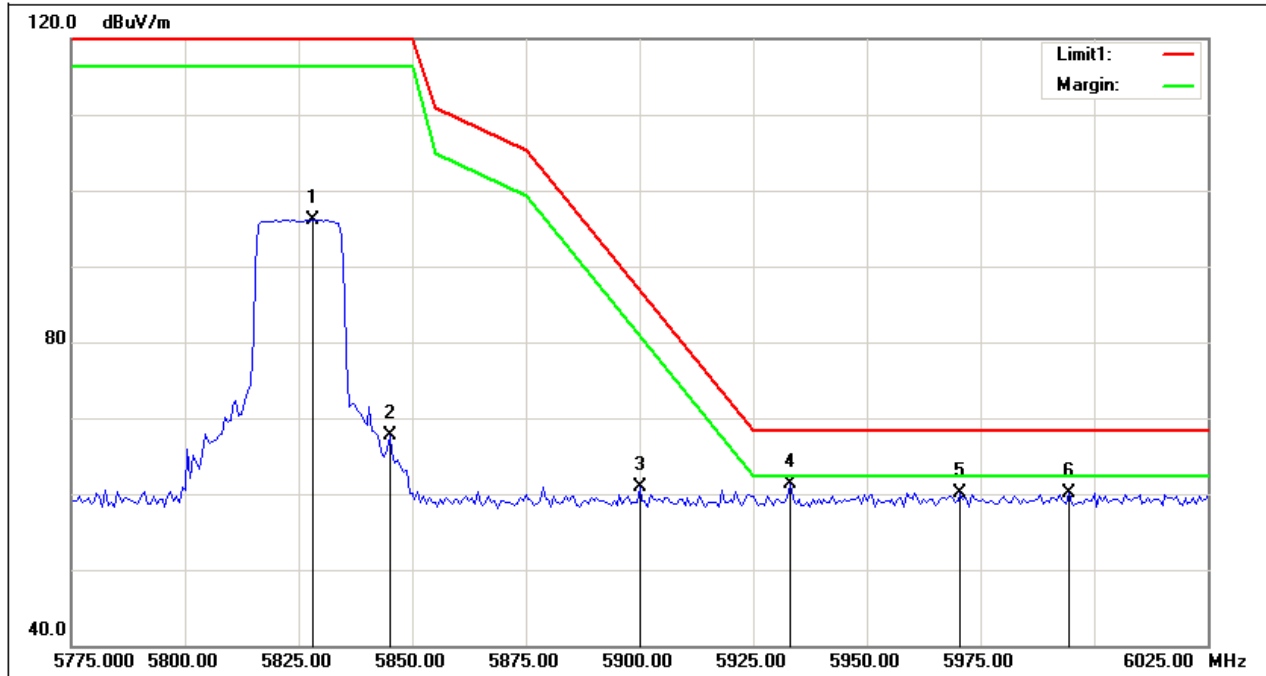
## Vertical



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 5823.750        | 53.67            | 35.80                 | 89.47           | 122.30         | -32.83      | peak   |
| 2   | 5882.500        | 25.12            | 35.77                 | 60.89           | 99.75          | -38.86      | peak   |
| 3   | 5928.750        | 25.47            | 35.76                 | 61.23           | 68.30          | -7.07       | peak   |
| 4   | 5966.250        | 25.10            | 35.75                 | 60.85           | 68.30          | -7.45       | peak   |
| 5   | 5980.625        | 26.29            | 35.74                 | 62.03           | 68.30          | -6.27       | peak   |
| 6   | 6014.375        | 25.39            | 35.80                 | 61.19           | 68.30          | -7.11       | peak   |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT20) Mode 5825 MHz |

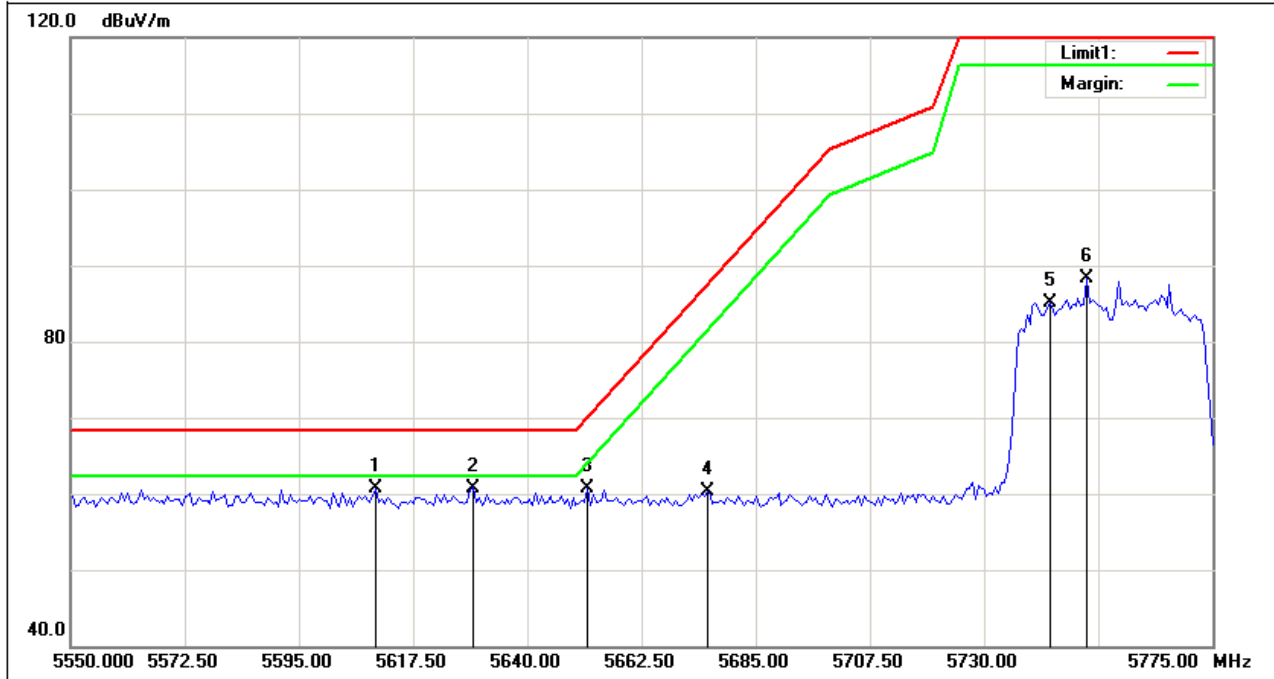
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5828.125           | 60.29               | 35.80                   | 96.09              | 122.30            | -26.21         | peak   |
| 2   | 5845.000           | 31.96               | 35.79                   | 67.75              | 122.30            | -54.55         | peak   |
| 3   | 5900.000           | 25.04               | 35.77                   | 60.81              | 86.80             | -25.99         | peak   |
| 4   | 5933.125           | 25.50               | 35.75                   | 61.25              | 68.30             | -7.05          | peak   |
| 5   | 5970.625           | 24.27               | 35.74                   | 60.01              | 68.30             | -8.29          | peak   |
| 6   | 5994.375           | 24.36               | 35.73                   | 60.09              | 68.30             | -8.21          | peak   |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT40) Mode 5755 MHz |

## Vertical

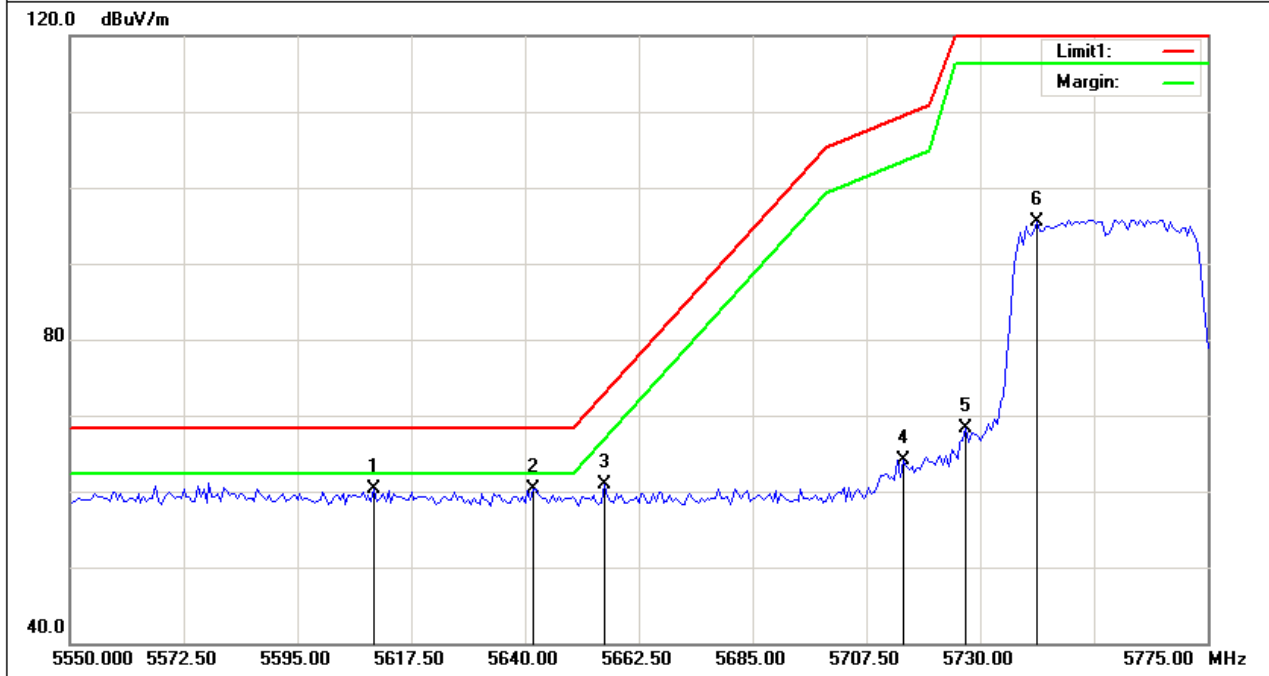


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5610.188           | 24.83               | 35.88                   | 60.71              | 68.30             | -7.59          | peak   |
| 2   | 5629.313           | 24.92               | 35.88                   | 60.80              | 68.30             | -7.50          | peak   |
| 3   | 5651.813           | 24.87               | 35.87                   | 60.74              | 69.64             | -8.90          | peak   |
| 4   | 5675.438           | 24.51               | 35.86                   | 60.37              | 87.12             | -26.75         | peak   |
| 5   | 5742.938           | 49.30               | 35.83                   | 85.13              | 122.30            | -37.17         | peak   |
| 6   | 5750.250           | 52.38               | 35.83                   | 88.21              | 122.30            | -34.09         | peak   |



|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT40) Mode 5755 MHz |

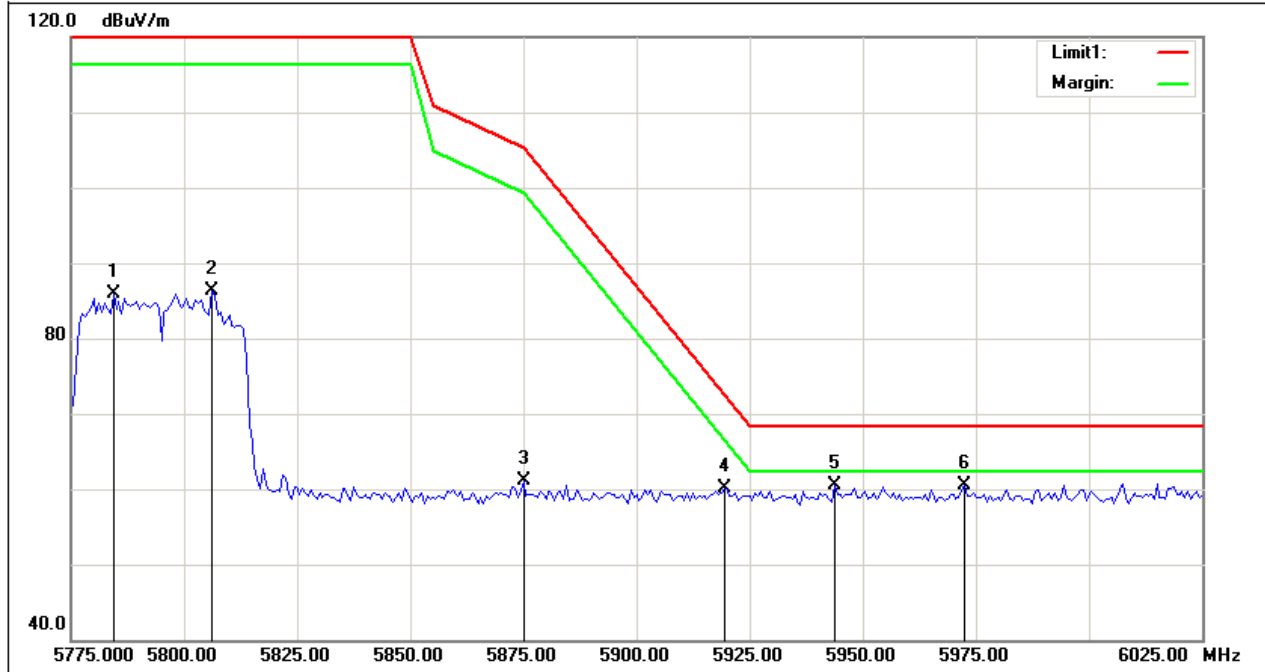
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5610.188           | 24.36               | 35.88                   | 60.24              | 68.30             | -8.06          | peak   |
| 2   | 5641.688           | 24.53               | 35.87                   | 60.40              | 68.30             | -7.90          | peak   |
| 3   | 5655.750           | 25.10               | 35.87                   | 60.97              | 72.55             | -11.58         | peak   |
| 4   | 5714.813           | 28.35               | 35.84                   | 64.19              | 109.45            | -45.26         | peak   |
| 5   | 5727.188           | 32.41               | 35.84                   | 68.25              | 122.30            | -54.05         | peak   |
| 6   | 5741.250           | 59.60               | 35.83                   | 95.43              | 122.30            | -26.87         | peak   |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT40) Mode 5795 MHz |

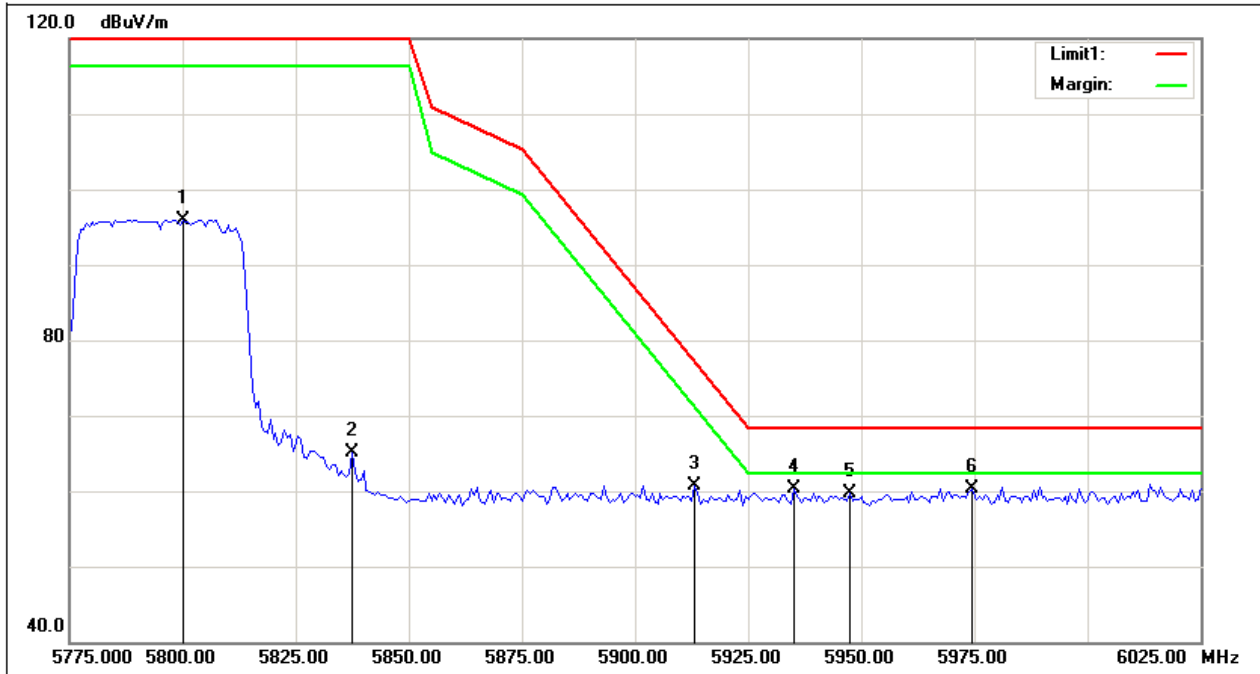
## Vertical



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|----------------------|-----------------|----------------|-------------|--------|
| 1   | 5784.375        | 50.14            | 35.81                | 85.95           | 122.30         | -36.35      | peak   |
| 2   | 5806.250        | 50.46            | 35.80                | 86.26           | 122.30         | -36.04      | peak   |
| 3   | 5875.000        | 25.38            | 35.78                | 61.16           | 105.30         | -44.14      | peak   |
| 4   | 5919.375        | 24.33            | 35.76                | 60.09           | 72.46          | -12.37      | peak   |
| 5   | 5943.750        | 24.77            | 35.75                | 60.52           | 68.30          | -7.78       | peak   |
| 6   | 5972.500        | 24.67            | 35.74                | 60.41           | 68.30          | -7.89       | peak   |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT40) Mode 5795 MHz |

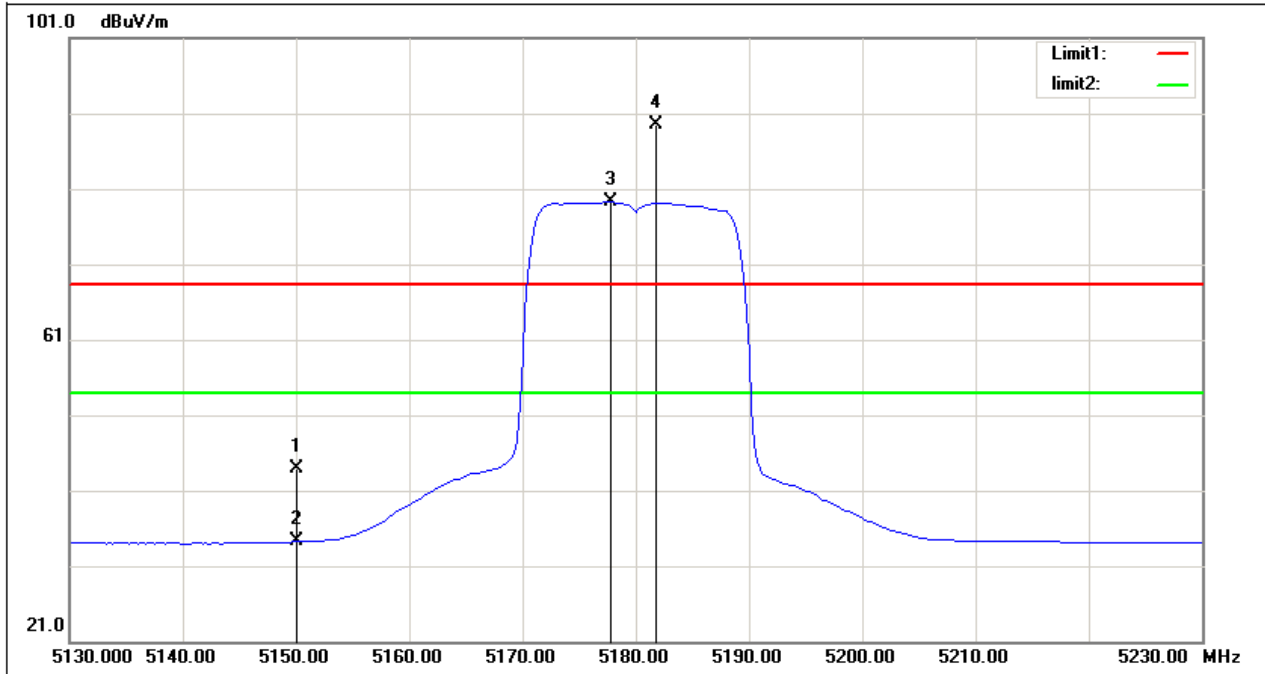
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5800.000           | 60.19               | 35.81                   | 96.00              | 122.30            | -26.30         | peak   |
| 2   | 5837.500           | 29.40               | 35.79                   | 65.19              | 122.30            | -57.11         | peak   |
| 3   | 5913.125           | 24.87               | 35.76                   | 60.63              | 77.09             | -16.46         | peak   |
| 4   | 5935.000           | 24.61               | 35.75                   | 60.36              | 68.30             | -7.94          | peak   |
| 5   | 5947.500           | 23.96               | 35.75                   | 59.71              | 68.30             | -8.59          | peak   |
| 6   | 5974.375           | 24.50               | 35.74                   | 60.24              | 68.30             | -8.06          | peak   |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT20) Mode 5180 MHz |

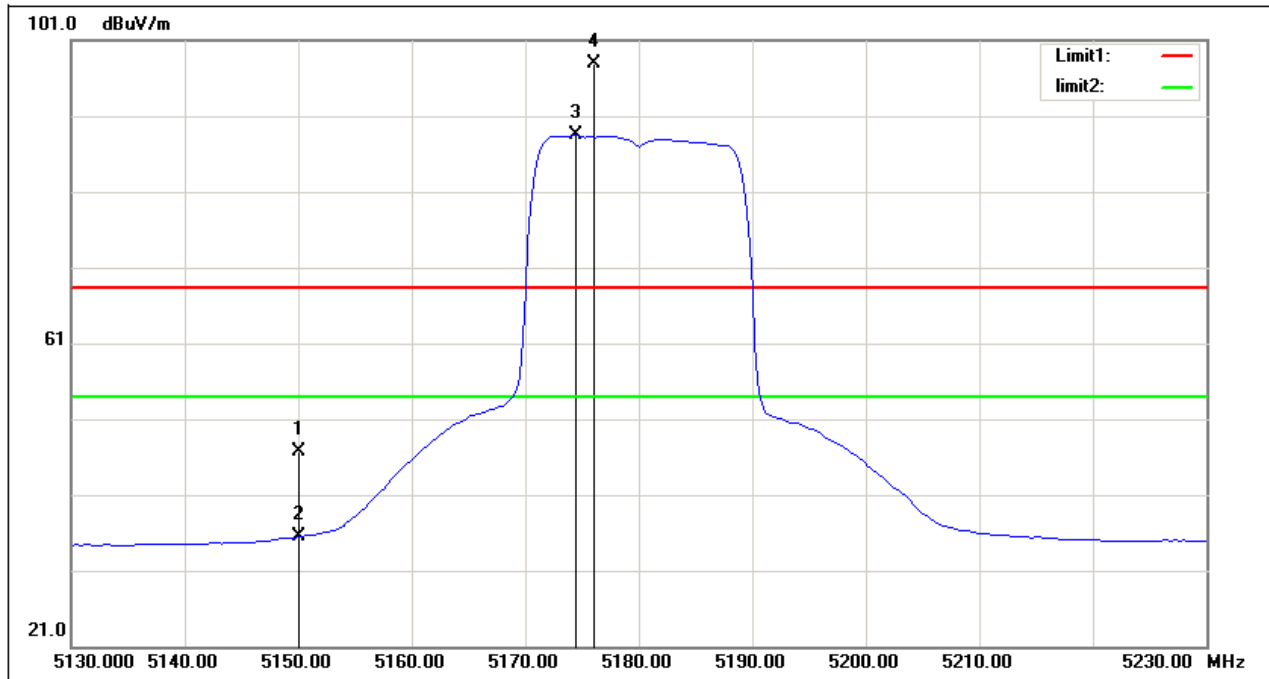
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5150.000           | 9.02                | 34.94                   | 43.96              | 68.30             | -24.34         | peak   |
| 2   | 5150.000           | -0.70               | 34.94                   | 34.24              | 54.00             | -19.76         | AVG    |
| 3   | 5177.750           | 44.23               | 35.02                   | 79.25              | /                 | /              | AVG    |
| 4   | 5181.750           | 54.40               | 35.03                   | 89.43              | /                 | /              | peak   |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT20) Mode 5180 MHz |

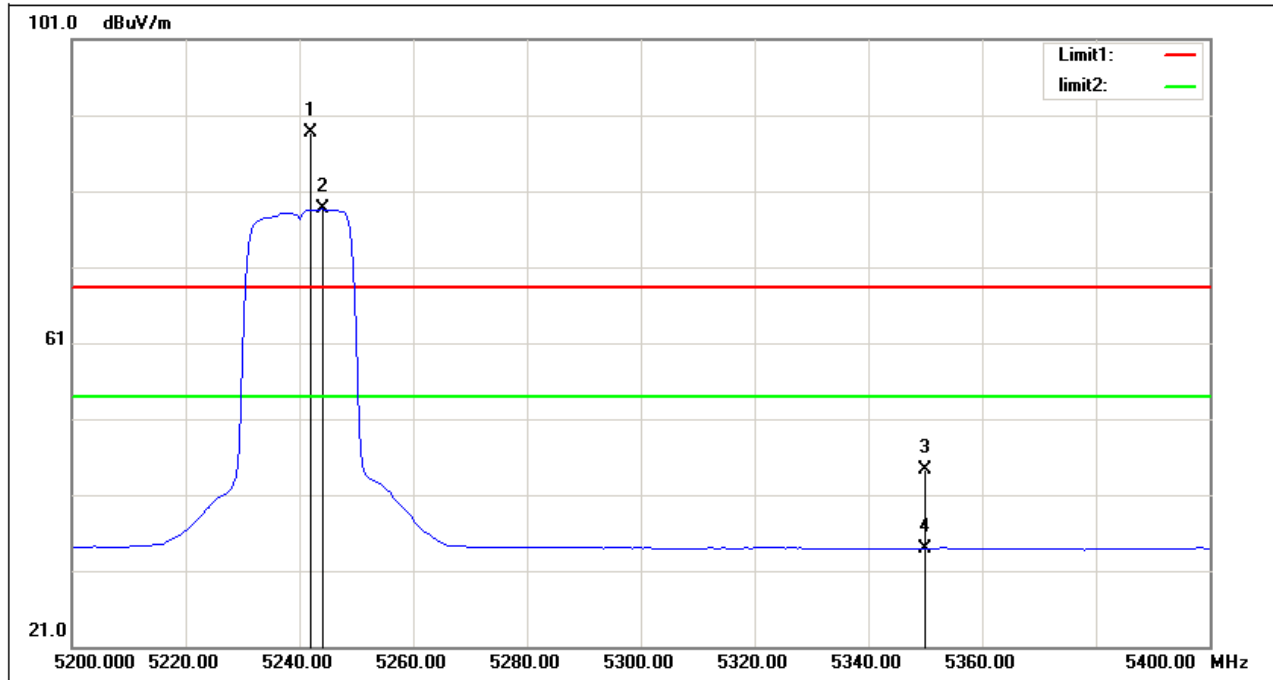
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5150.000           | 11.78               | 34.94                   | 46.72              | 68.30             | -21.58         | peak   |
| 2   | 5150.000           | 0.51                | 34.94                   | 35.45              | 54.00             | -18.55         | AVG    |
| 3   | 5174.500           | 53.40               | 35.01                   | 88.41              | /                 | /              | AVG    |
| 4   | 5176.000           | 62.99               | 35.01                   | 98.00              | /                 | /              | peak   |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT20) Mode 5240 MHz |

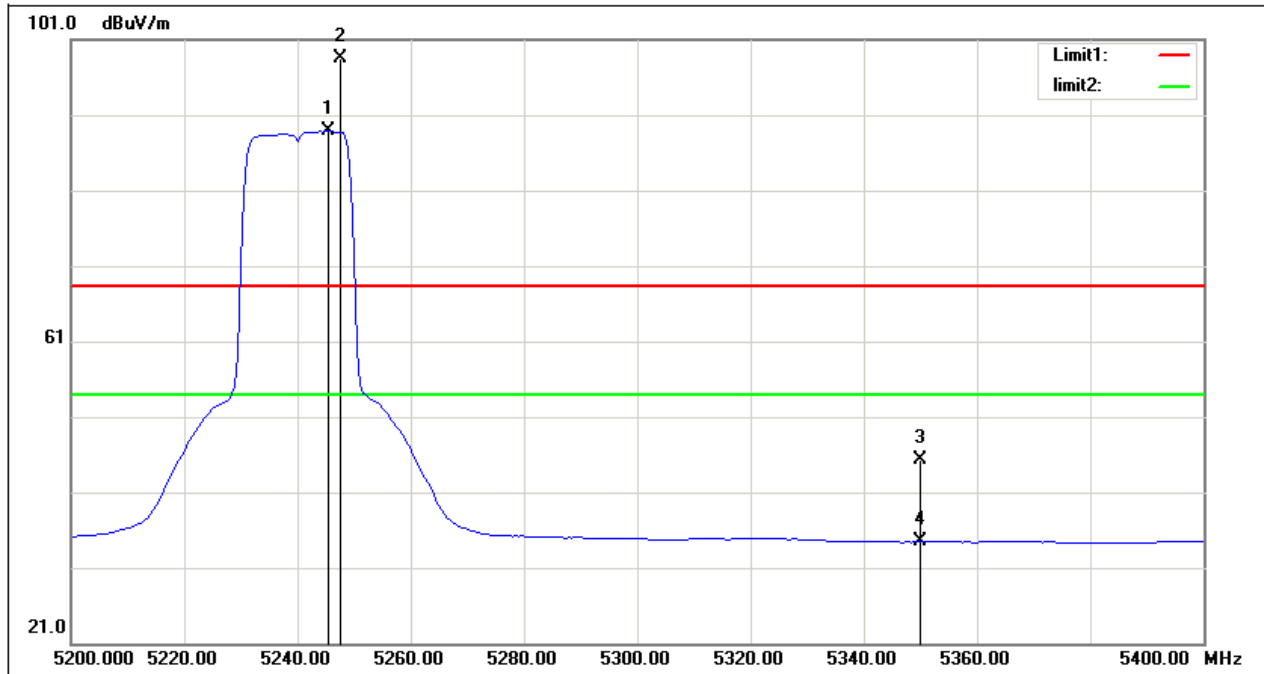
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5242.000           | 53.60               | 35.20                   | 88.80              | /                 | /              | peak   |
| 2   | 5244.000           | 43.42               | 35.21                   | 78.63              | /                 | /              | AVG    |
| 3   | 5350.000           | 8.83                | 35.50                   | 44.33              | 68.30             | -23.97         | peak   |
| 4   | 5350.000           | -1.60               | 35.50                   | 33.90              | 54.00             | -20.10         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT20) Mode 5240 MHz |

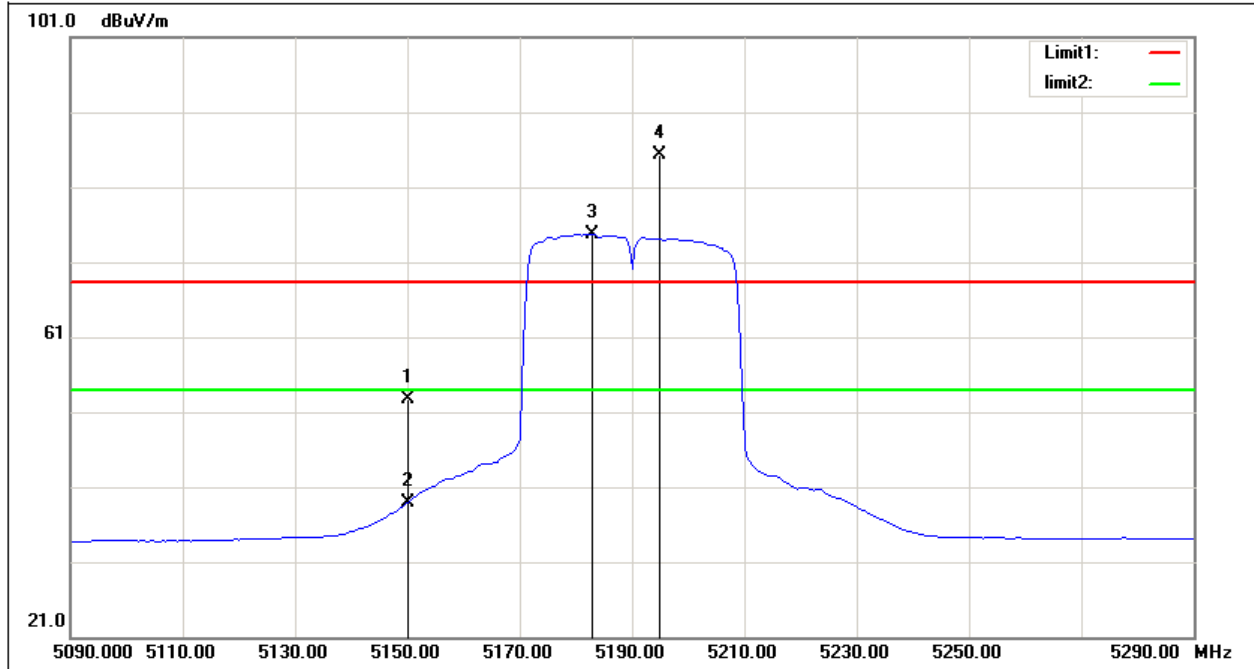
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5245.500           | 53.69               | 35.21                   | 88.90              | /                 | /              | AVG    |
| 2   | 5247.500           | 63.26               | 35.21                   | 98.47              | /                 | /              | peak   |
| 3   | 5350.000           | 9.72                | 35.50                   | 45.22              | 68.30             | -23.08         | peak   |
| 4   | 5350.000           | -1.04               | 35.50                   | 34.46              | 54.00             | -19.54         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT40) Mode 5190 MHz |

## Vertical

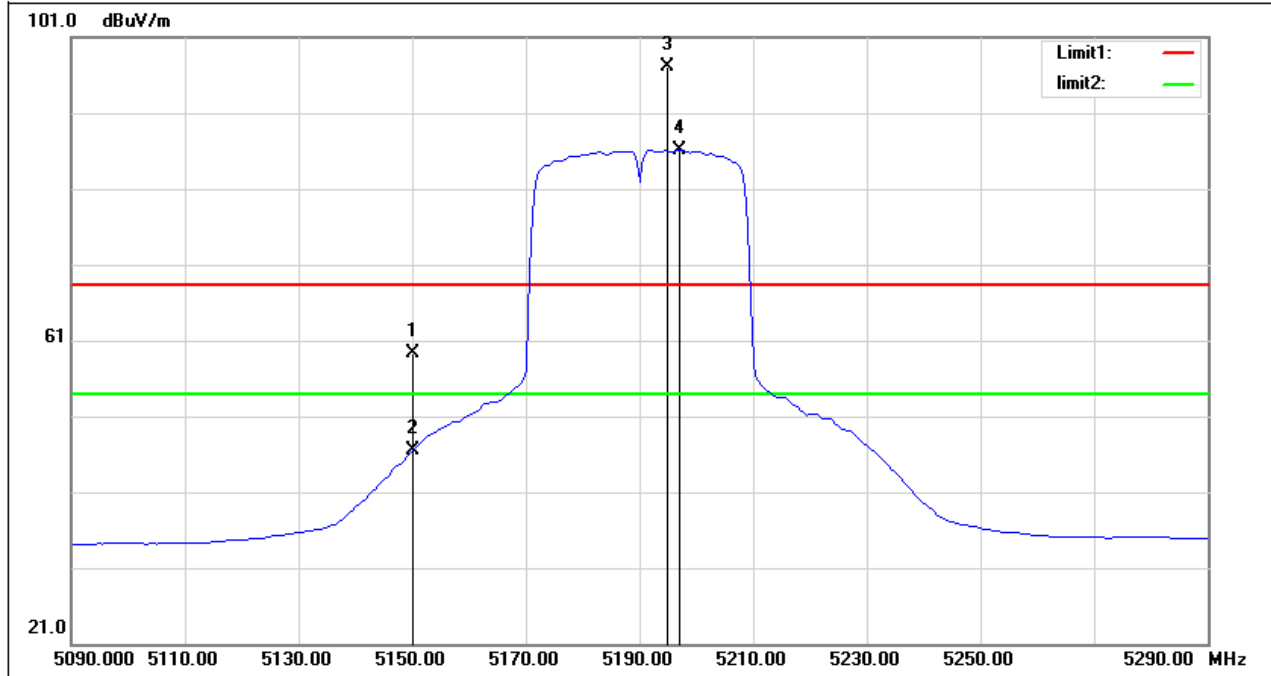


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5150.000           | 17.73               | 34.94                   | 52.67              | 68.30             | -15.63         | peak   |
| 2   | 5150.000           | 3.96                | 34.94                   | 38.90              | 54.00             | -15.10         | AVG    |
| 3   | 5183.000           | 39.67               | 35.03                   | 74.70              | /                 | /              | AVG    |
| 4   | 5195.000           | 50.27               | 35.07                   | 85.34              | /                 | /              | peak   |



|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT40) Mode 5190 MHz |

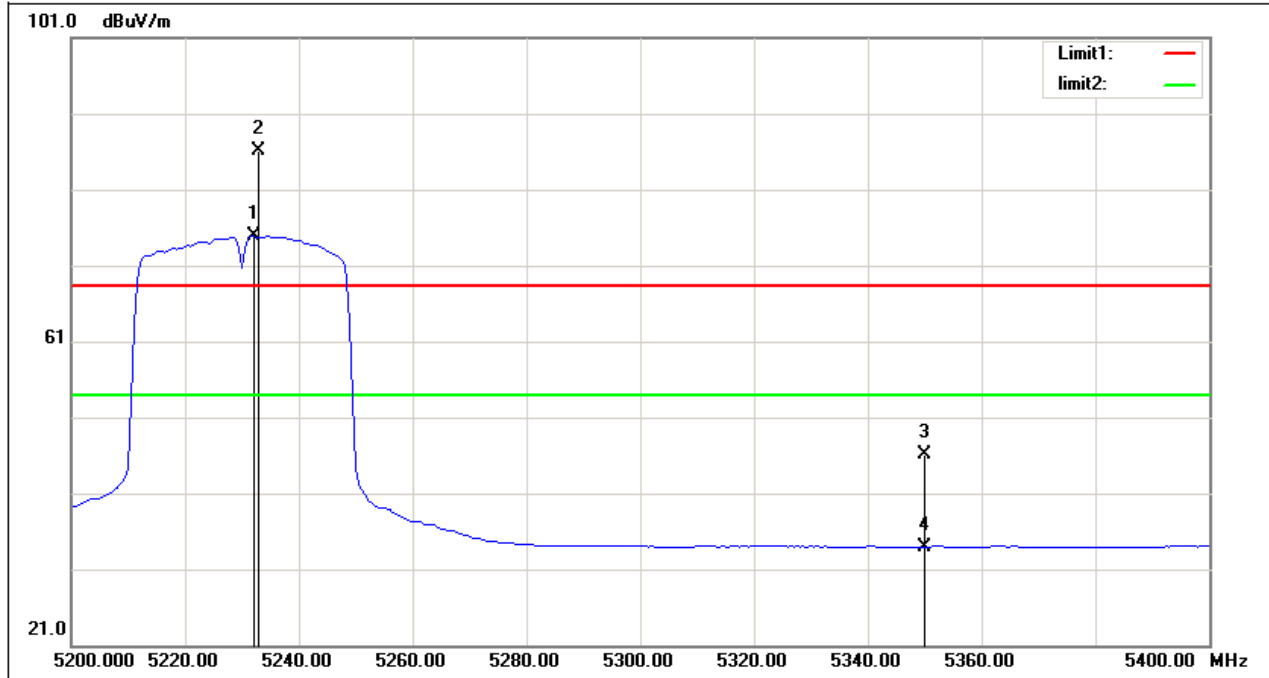
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5150.000           | 24.41               | 34.94                   | 59.35              | 68.30             | -8.95          | peak   |
| 2   | 5150.000           | 11.49               | 34.94                   | 46.43              | 54.00             | -7.57          | AVG    |
| 3   | 5195.000           | 62.04               | 35.07                   | 97.11              | /                 | /              | peak   |
| 4   | 5197.000           | 51.02               | 35.07                   | 86.09              | /                 | /              | AVG    |

|                 |                                     |
|-----------------|-------------------------------------|
| Orthogonal Axis | X                                   |
| Test Mode       | UNII-2A_TX AC (VHT40) Mode 5230 MHz |

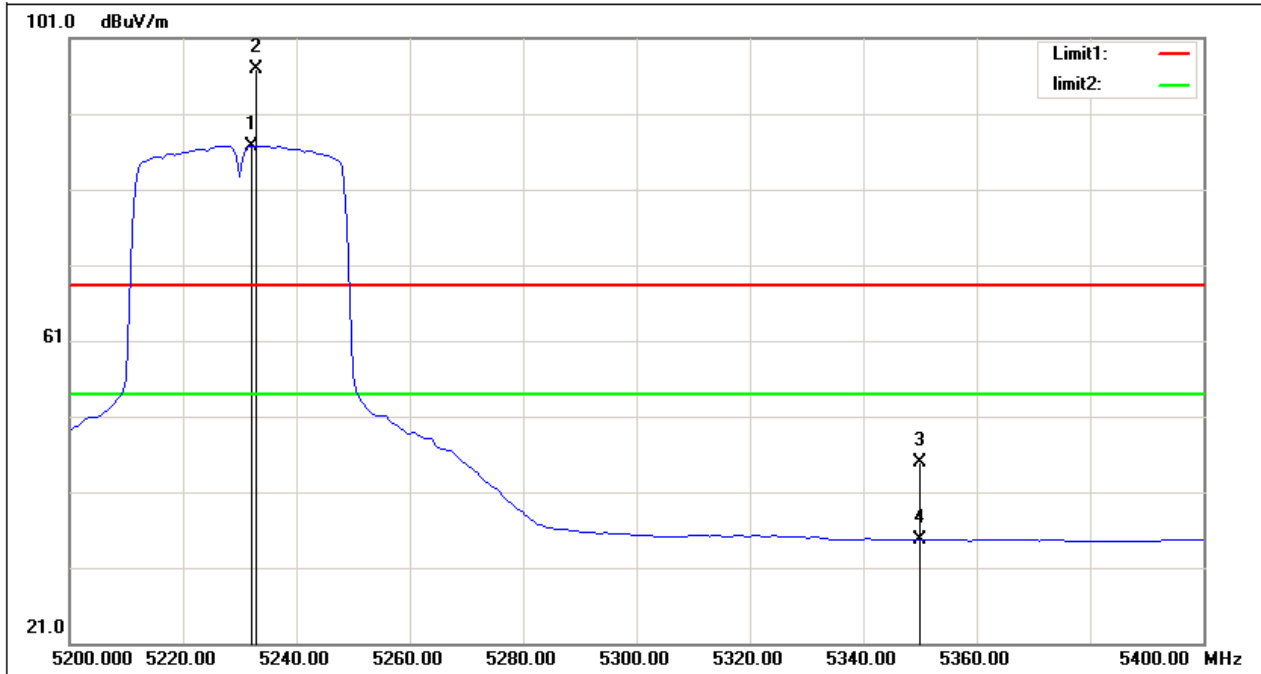
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5232.000           | 39.70               | 35.18                   | 74.88              | /                 | /              | AVG    |
| 2   | 5233.000           | 50.93               | 35.18                   | 86.11              | /                 | /              | peak   |
| 3   | 5350.000           | 10.55               | 35.50                   | 46.05              | 68.30             | -22.25         | peak   |
| 4   | 5350.000           | -1.52               | 35.50                   | 33.98              | 54.00             | -20.02         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT40) Mode 5230 MHz |

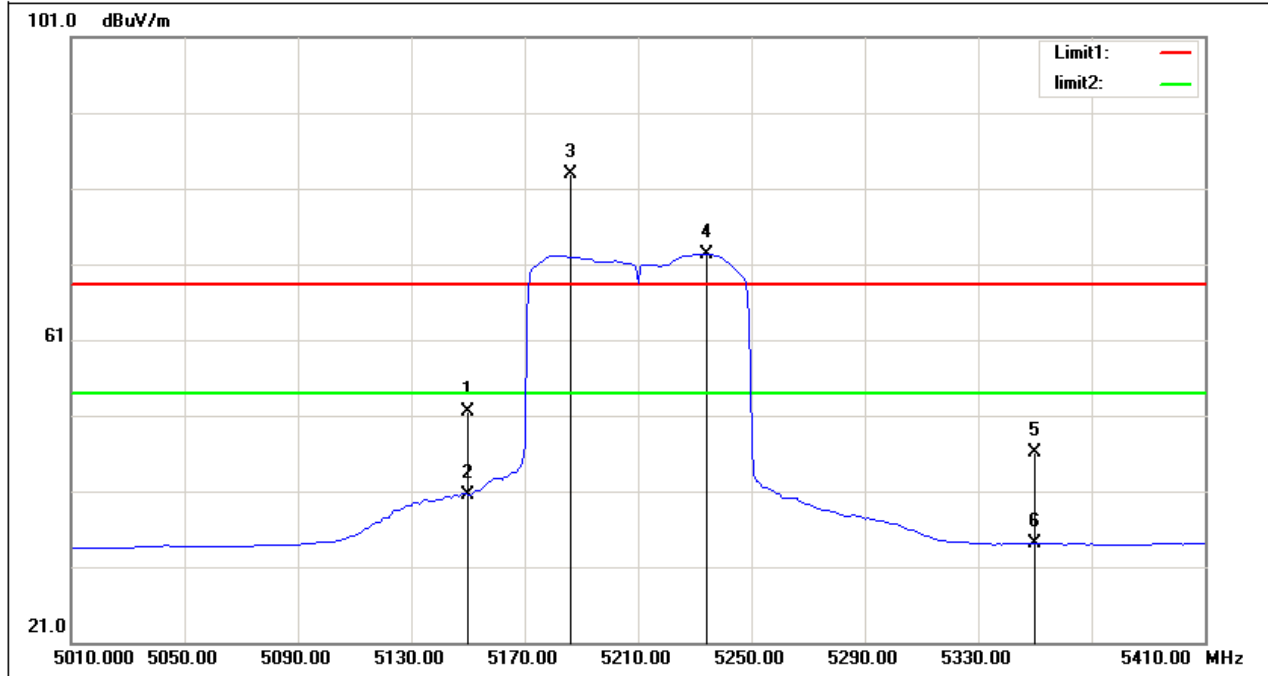
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5232.000           | 51.58               | 35.18                   | 86.76              | /                 | /              | AVG    |
| 2   | 5233.000           | 61.81               | 35.18                   | 96.99              | /                 | /              | peak   |
| 3   | 5350.000           | 9.48                | 35.50                   | 44.98              | 68.30             | -23.32         | peak   |
| 4   | 5350.000           | -0.82               | 35.50                   | 34.68              | 54.00             | -19.32         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT80) Mode 5210 MHz |

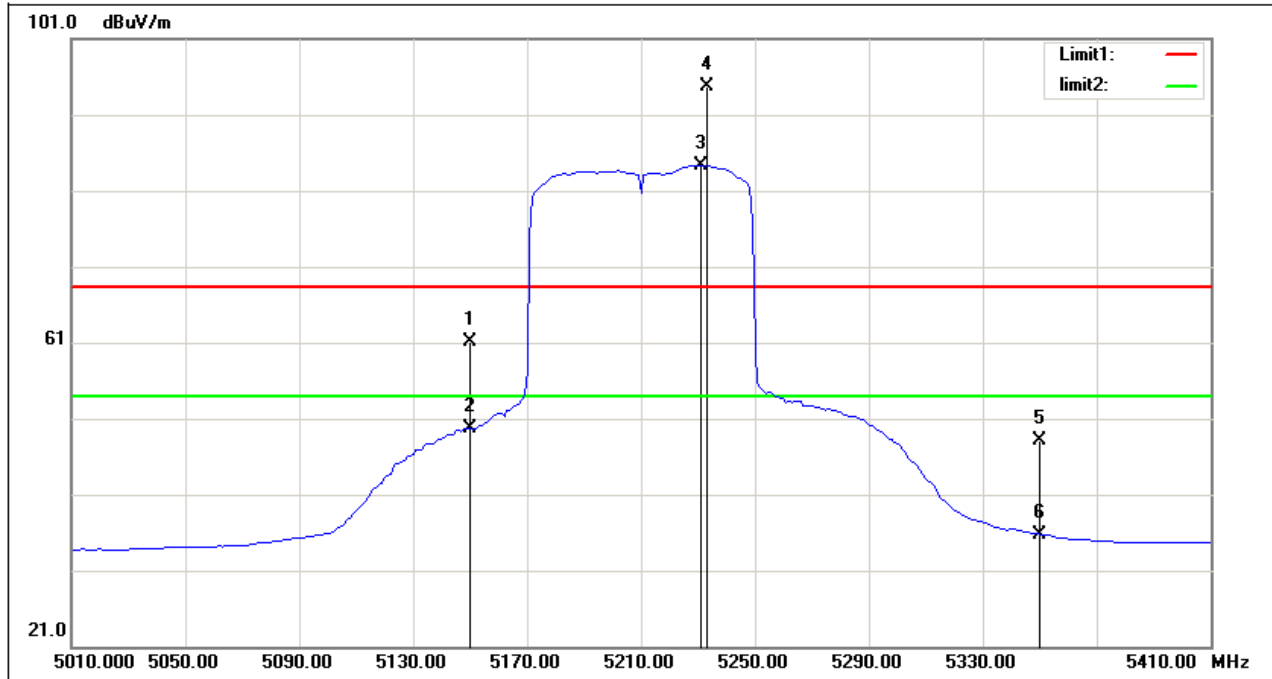
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5150.000           | 16.60               | 34.94                   | 51.54              | 68.30             | -16.76         | peak   |
| 2   | 5150.000           | 5.65                | 34.94                   | 40.59              | 54.00             | -13.41         | AVG    |
| 3   | 5186.000           | 47.79               | 35.05                   | 82.84              | /                 | /              | peak   |
| 4   | 5234.000           | 37.16               | 35.18                   | 72.34              | /                 | /              | AVG    |
| 5   | 5350.000           | 10.52               | 35.50                   | 46.02              | 68.30             | -22.28         | peak   |
| 6   | 5350.000           | -1.43               | 35.50                   | 34.07              | 54.00             | -19.93         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT80) Mode 5210 MHz |

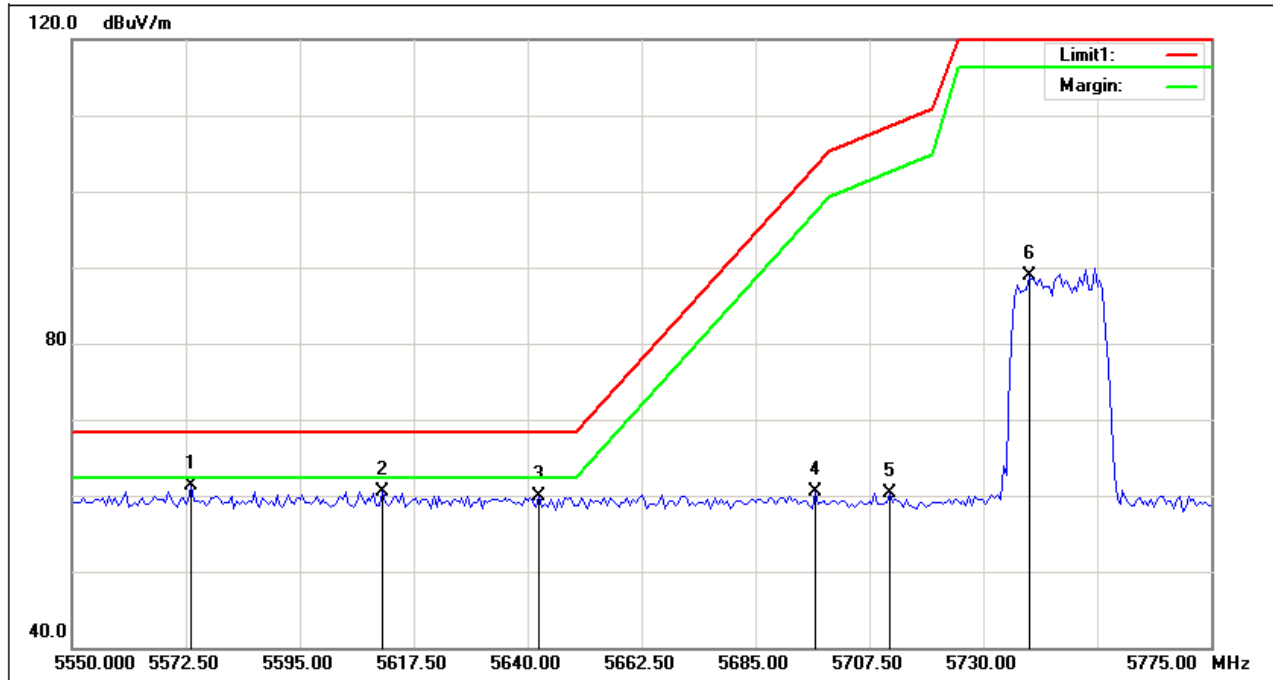
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5150.000           | 26.18               | 34.94                   | 61.12              | 68.30             | -7.18          | peak   |
| 2   | 5150.000           | 14.72               | 34.94                   | 49.66              | 54.00             | -4.34          | AVG    |
| 3   | 5231.000           | 49.12               | 35.16                   | 84.28              | /                 | /              | AVG    |
| 4   | 5233.000           | 59.59               | 35.18                   | 94.77              | /                 | /              | peak   |
| 5   | 5350.000           | 12.61               | 35.50                   | 48.11              | 68.30             | -20.19         | peak   |
| 6   | 5350.000           | 0.25                | 35.50                   | 35.75              | 54.00             | -18.25         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT20) Mode 5745 MHz |

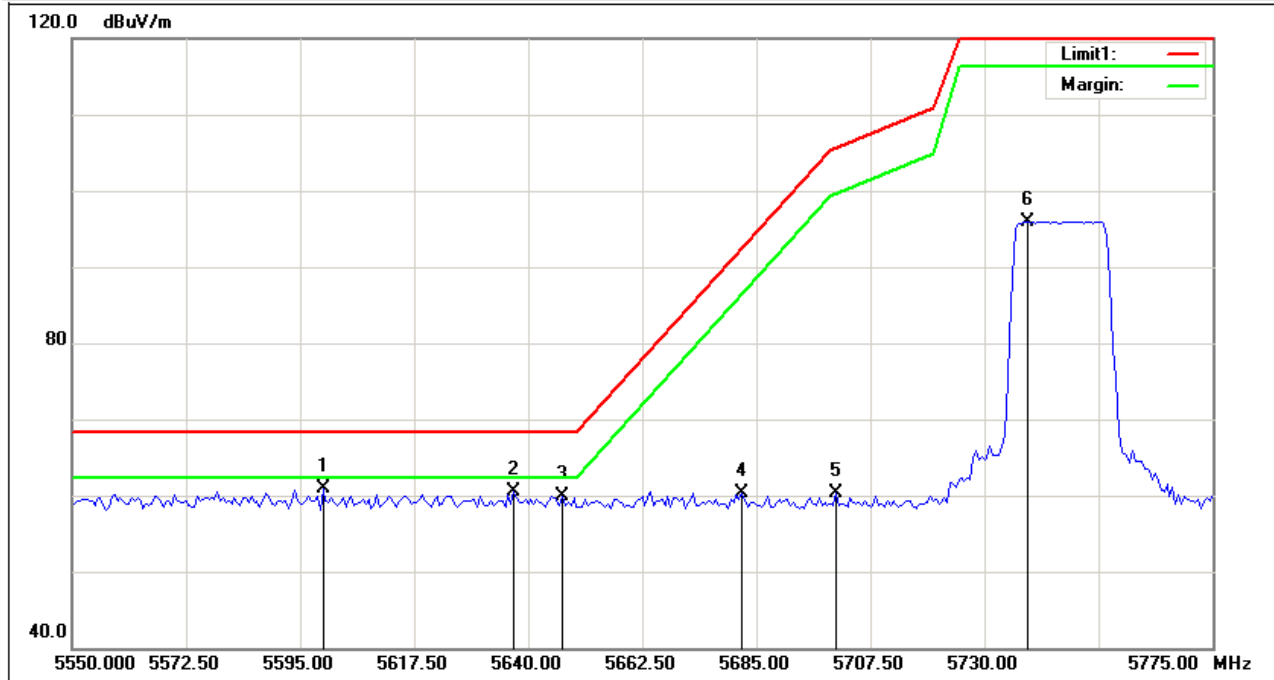
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5573.625           | 25.37               | 35.90                   | 61.27              | 68.30             | -7.03          | peak   |
| 2   | 5611.313           | 24.61               | 35.88                   | 60.49              | 68.30             | -7.81          | peak   |
| 3   | 5642.250           | 24.10               | 35.87                   | 59.97              | 68.30             | -8.33          | peak   |
| 4   | 5696.813           | 24.59               | 35.85                   | 60.44              | 102.94            | -42.50         | peak   |
| 5   | 5711.438           | 24.47               | 35.84                   | 60.31              | 108.50            | -48.19         | peak   |
| 6   | 5739.000           | 53.09               | 35.83                   | 88.92              | 122.30            | -33.38         | peak   |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT20) Mode 5745 MHz |

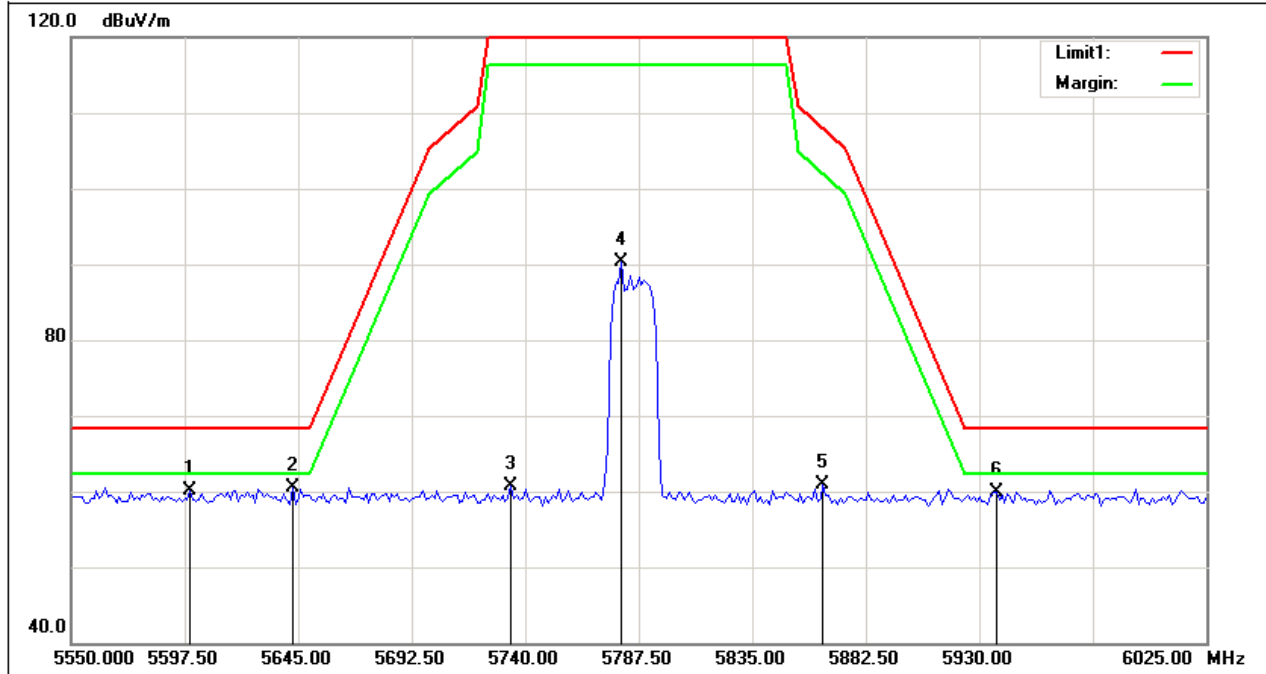
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5599.500           | 25.00               | 35.89                   | 60.89              | 68.30             | -7.41          | peak   |
| 2   | 5637.188           | 24.55               | 35.87                   | 60.42              | 68.30             | -7.88          | peak   |
| 3   | 5646.750           | 24.07               | 35.87                   | 59.94              | 68.30             | -8.36          | peak   |
| 4   | 5682.188           | 24.52               | 35.85                   | 60.37              | 92.12             | -31.75         | peak   |
| 5   | 5700.750           | 24.38               | 35.85                   | 60.23              | 105.51            | -45.28         | peak   |
| 6   | 5738.438           | 60.10               | 35.83                   | 95.93              | 122.30            | -26.37         | peak   |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT20) Mode 5785 MHz |

## Vertical

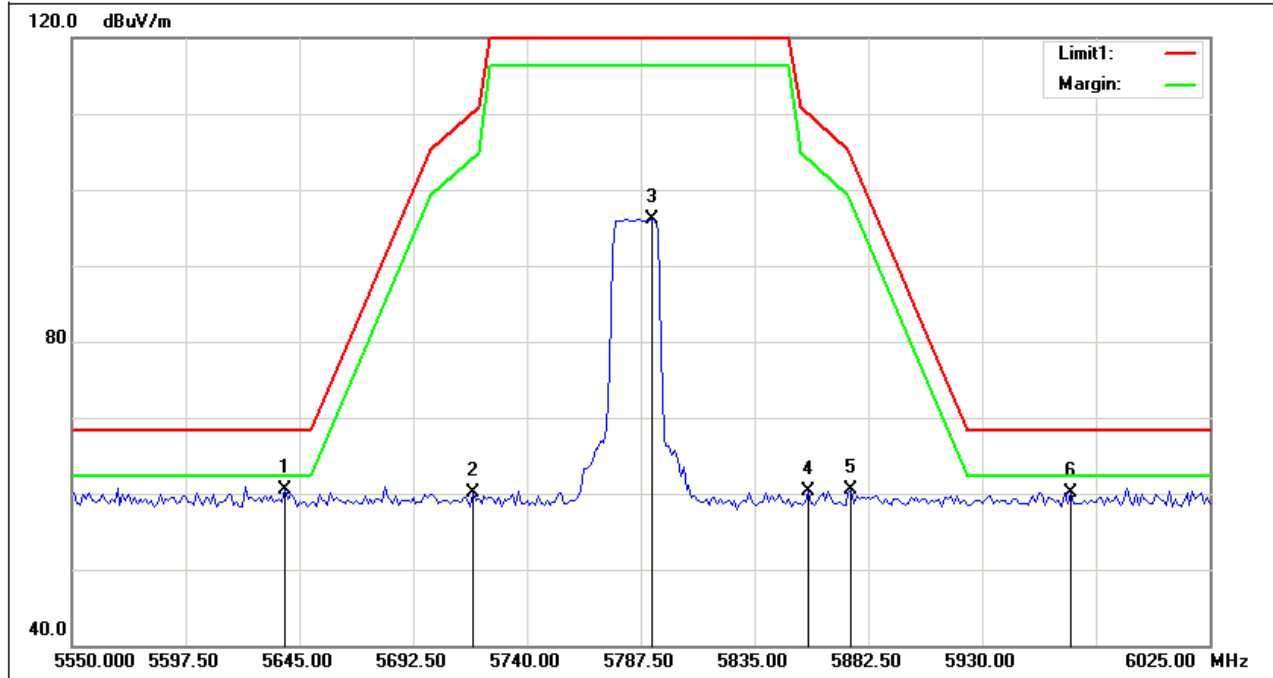


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5599.875           | 24.25               | 35.89                   | 60.14              | 68.30             | -8.16          | peak   |
| 2   | 5642.625           | 24.55               | 35.87                   | 60.42              | 68.30             | -7.88          | peak   |
| 3   | 5734.063           | 24.95               | 35.83                   | 60.78              | 122.30            | -61.52         | peak   |
| 4   | 5780.375           | 54.39               | 35.82                   | 90.21              | 122.30            | -32.09         | peak   |
| 5   | 5864.688           | 25.18               | 35.78                   | 60.96              | 108.19            | -47.23         | peak   |
| 6   | 5937.125           | 24.16               | 35.75                   | 59.91              | 68.30             | -8.39          | peak   |



|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT20) Mode 5785 MHz |

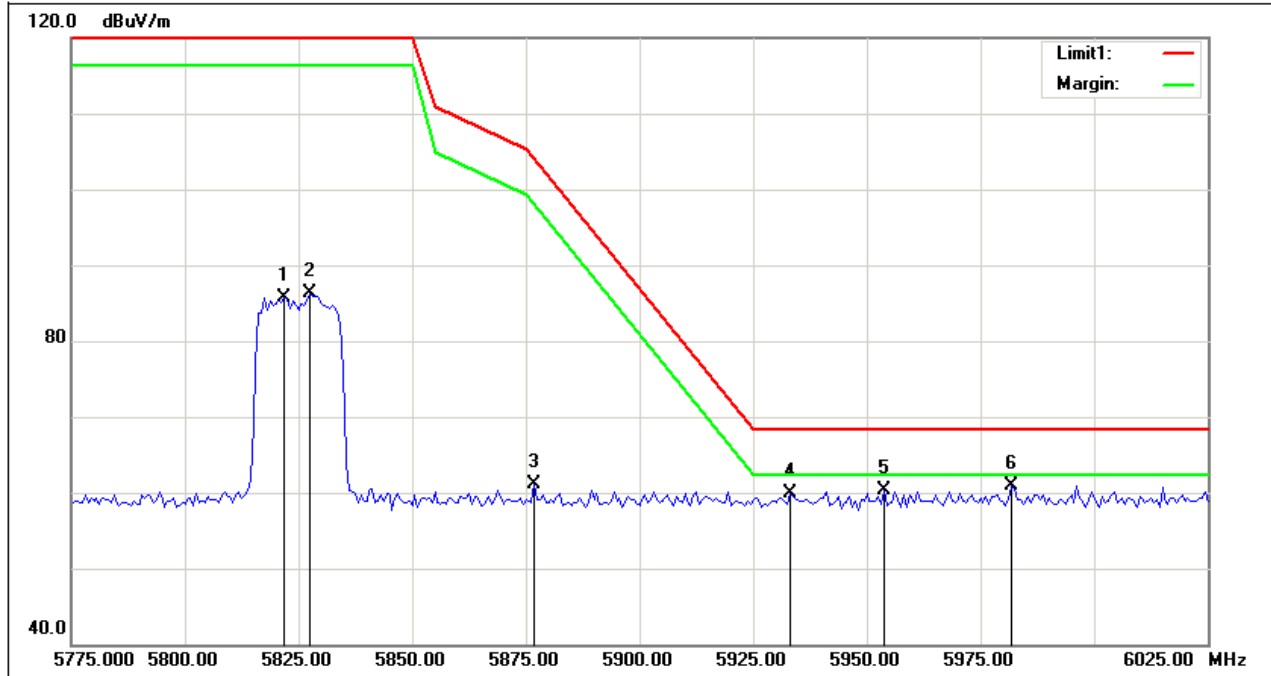
## Horizontal



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 5639.063        | 24.58            | 35.87                 | 60.45           | 68.30          | -7.85       | peak   |
| 2   | 5717.438        | 24.23            | 35.84                 | 60.07           | 110.18         | -50.11      | peak   |
| 3   | 5792.250        | 60.24            | 35.81                 | 96.05           | 122.30         | -26.25      | peak   |
| 4   | 5857.563        | 24.57            | 35.78                 | 60.35           | 110.18         | -49.83      | peak   |
| 5   | 5875.375        | 24.66            | 35.78                 | 60.44           | 105.02         | -44.58      | peak   |
| 6   | 5966.813        | 24.44            | 35.75                 | 60.19           | 68.30          | -8.11       | peak   |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT20) Mode 5825 MHz |

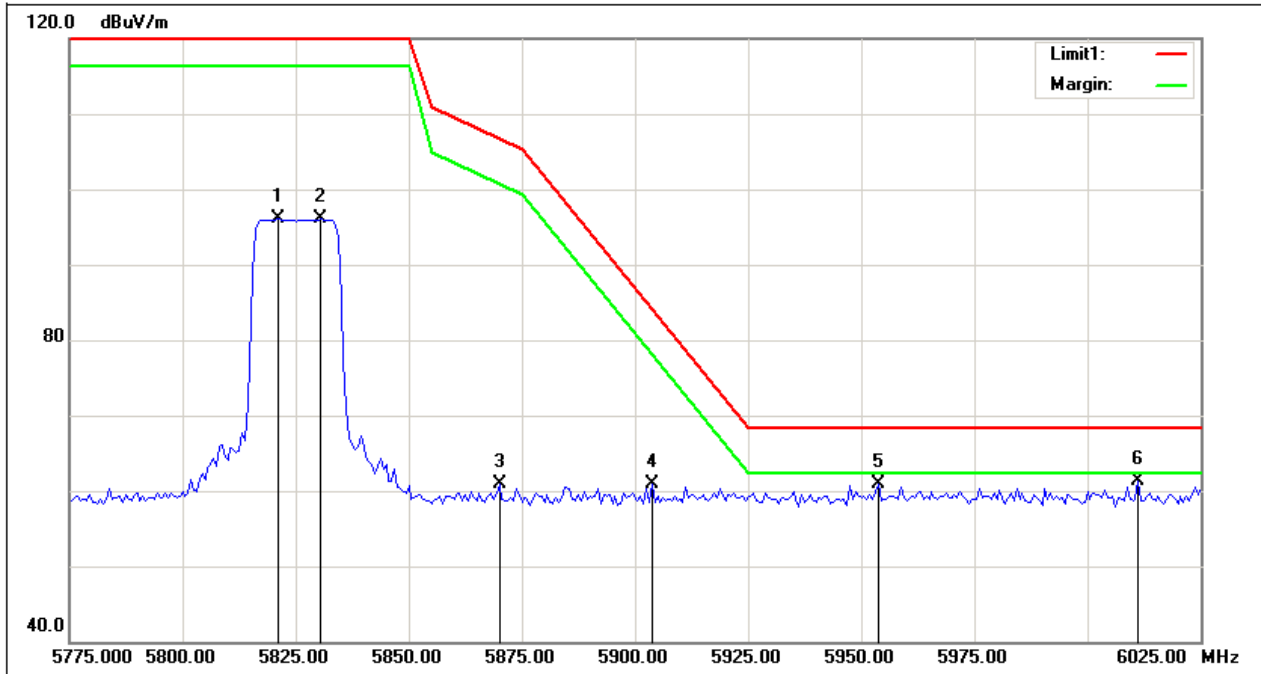
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5821.875           | 49.93               | 35.80                   | 85.73              | 122.30            | -36.57         | peak   |
| 2   | 5827.500           | 50.45               | 35.80                   | 86.25              | 122.30            | -36.05         | peak   |
| 3   | 5876.875           | 25.23               | 35.78                   | 61.01              | 103.91            | -42.90         | peak   |
| 4   | 5933.125           | 24.13               | 35.75                   | 59.88              | 68.30             | -8.42          | peak   |
| 5   | 5953.750           | 24.46               | 35.75                   | 60.21              | 68.30             | -8.09          | peak   |
| 6   | 5981.875           | 25.12               | 35.73                   | 60.85              | 68.30             | -7.45          | peak   |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT20) Mode 5825 MHz |

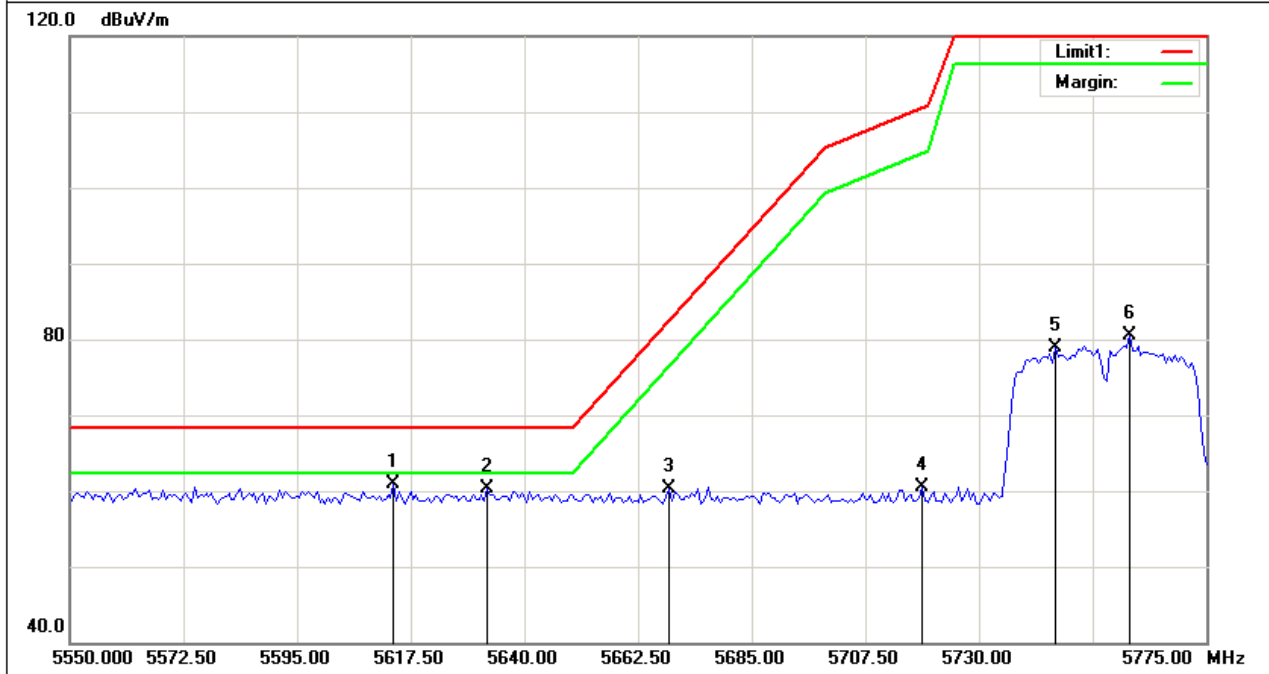
## Horizontal



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 5821.250        | 60.27            | 35.80                 | 96.07           | 122.30         | -26.23      | peak   |
| 2   | 5830.625        | 60.22            | 35.80                 | 96.02           | 122.30         | -26.28      | peak   |
| 3   | 5870.000        | 25.09            | 35.78                 | 60.87           | 106.70         | -45.83      | peak   |
| 4   | 5903.750        | 25.18            | 35.77                 | 60.95           | 84.02          | -23.07      | peak   |
| 5   | 5953.750        | 25.20            | 35.75                 | 60.95           | 68.30          | -7.35       | peak   |
| 6   | 6011.250        | 25.48            | 35.78                 | 61.26           | 68.30          | -7.04       | peak   |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT40) Mode 5755 MHz |

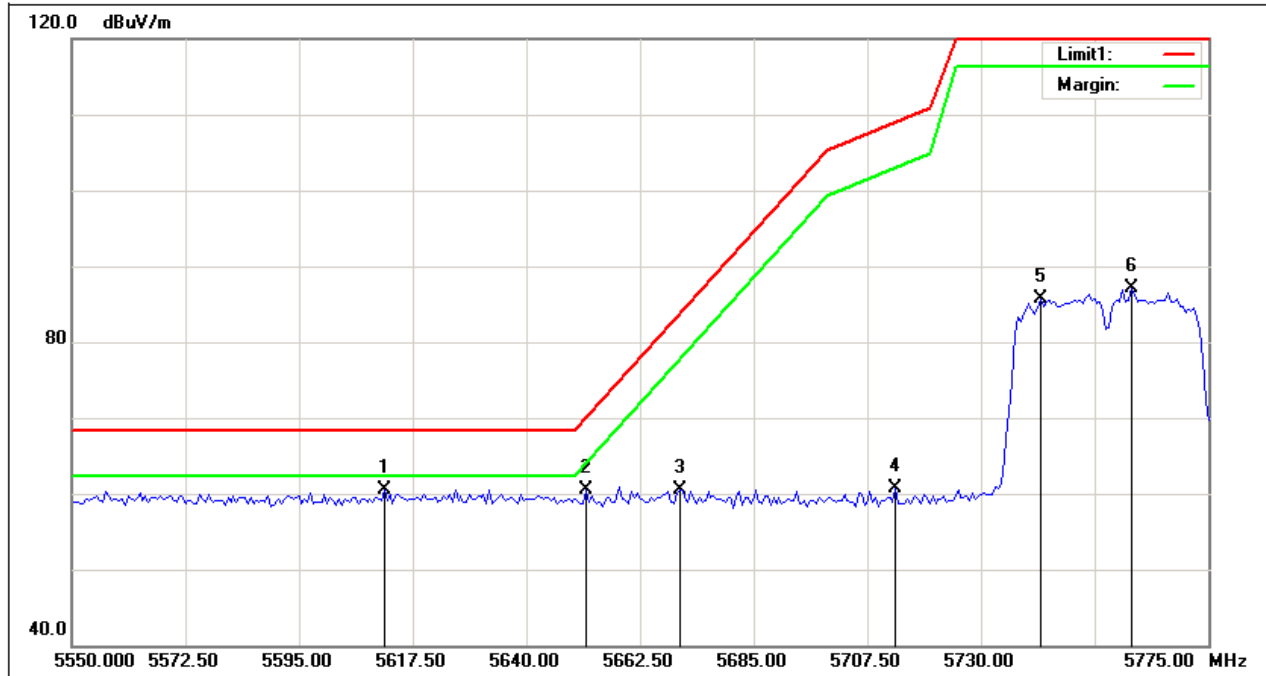
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5614.125           | 25.02               | 35.88                   | 60.90              | 68.30             | -7.40          | peak   |
| 2   | 5632.688           | 24.42               | 35.87                   | 60.29              | 68.30             | -8.01          | peak   |
| 3   | 5668.688           | 24.42               | 35.85                   | 60.27              | 82.13             | -21.86         | peak   |
| 4   | 5718.750           | 24.76               | 35.83                   | 60.59              | 110.55            | -49.96         | peak   |
| 5   | 5745.188           | 43.02               | 35.83                   | 78.85              | 122.30            | -43.45         | peak   |
| 6   | 5759.813           | 44.64               | 35.82                   | 80.46              | 122.30            | -41.84         | peak   |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT40) Mode 5755 MHz |

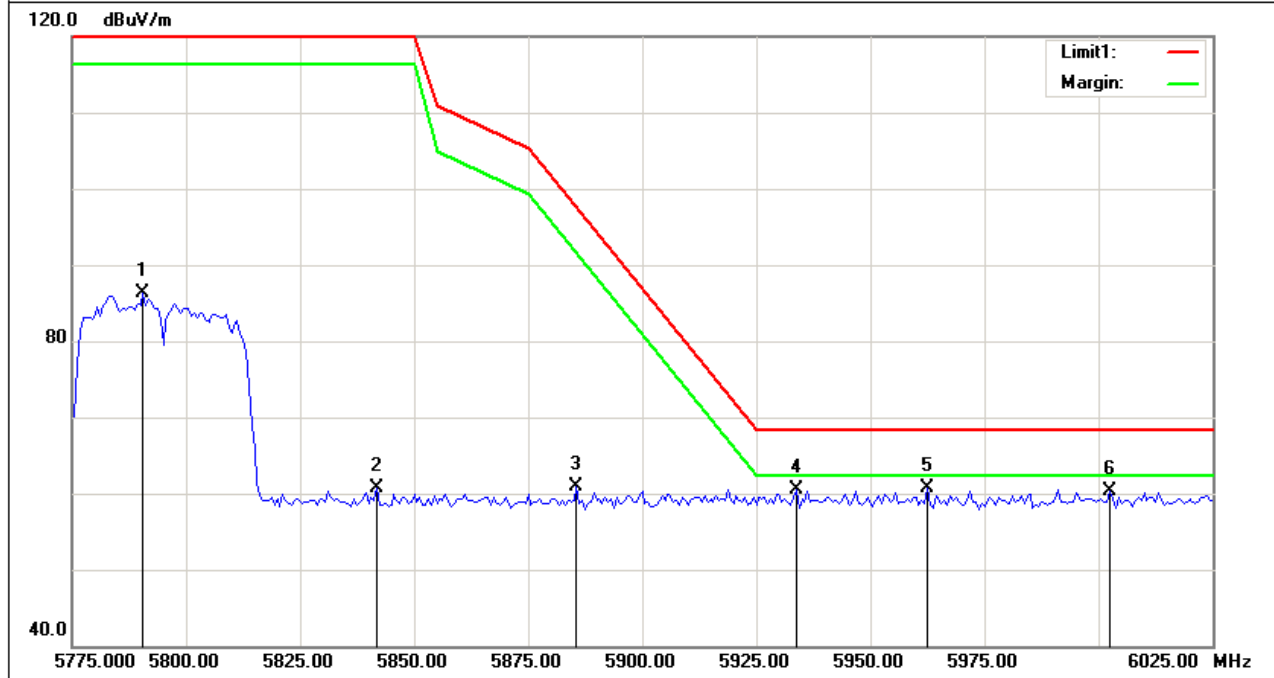
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5611.875           | 24.68               | 35.88                   | 60.56              | 68.30             | -7.74          | peak   |
| 2   | 5651.813           | 24.54               | 35.87                   | 60.41              | 69.64             | -9.23          | peak   |
| 3   | 5670.375           | 24.61               | 35.85                   | 60.46              | 83.38             | -22.92         | peak   |
| 4   | 5713.125           | 24.83               | 35.84                   | 60.67              | 108.97            | -48.30         | peak   |
| 5   | 5741.813           | 49.96               | 35.83                   | 85.79              | 122.30            | -36.51         | peak   |
| 6   | 5759.813           | 51.31               | 35.82                   | 87.13              | 122.30            | -35.17         | peak   |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT40) Mode 5795 MHz |

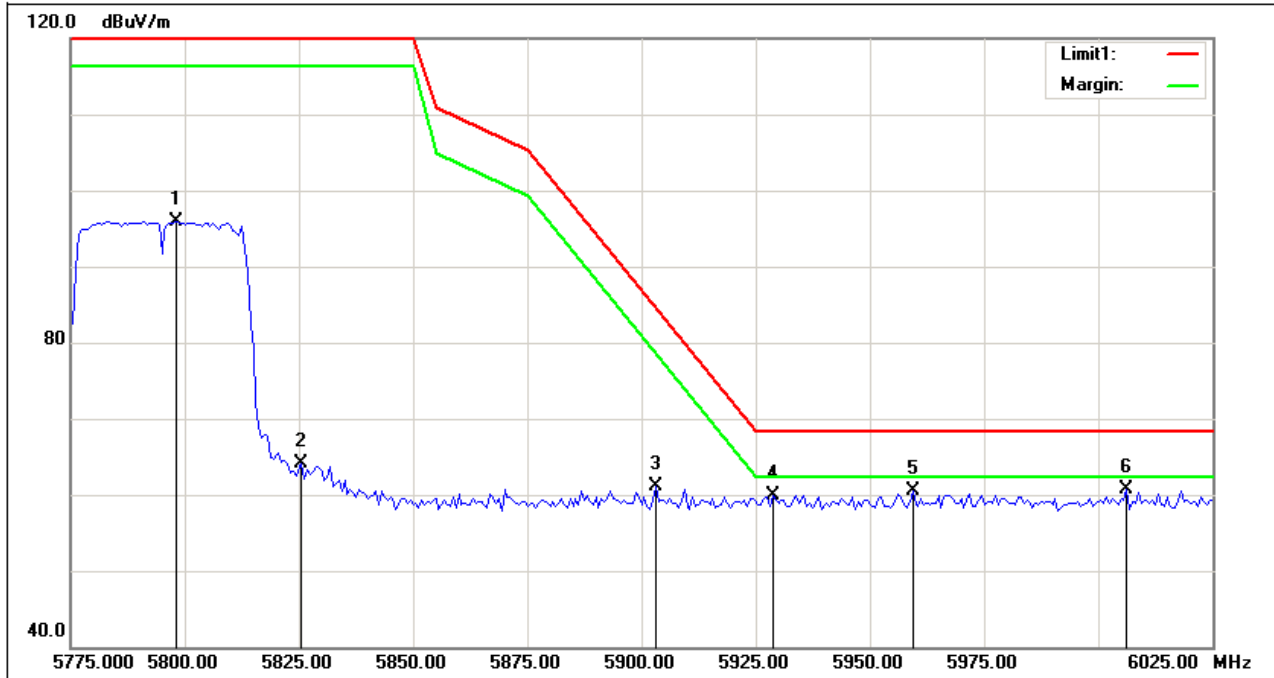
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5790.625           | 50.44               | 35.81                   | 86.25              | 122.30            | -36.05         | peak   |
| 2   | 5841.875           | 24.89               | 35.80                   | 60.69              | 122.30            | -61.61         | peak   |
| 3   | 5885.625           | 25.22               | 35.77                   | 60.99              | 97.44             | -36.45         | peak   |
| 4   | 5933.750           | 24.67               | 35.75                   | 60.42              | 68.30             | -7.88          | peak   |
| 5   | 5962.500           | 25.03               | 35.74                   | 60.77              | 68.30             | -7.53          | peak   |
| 6   | 6002.500           | 24.59               | 35.74                   | 60.33              | 68.30             | -7.97          | peak   |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT40) Mode 5795 MHz |

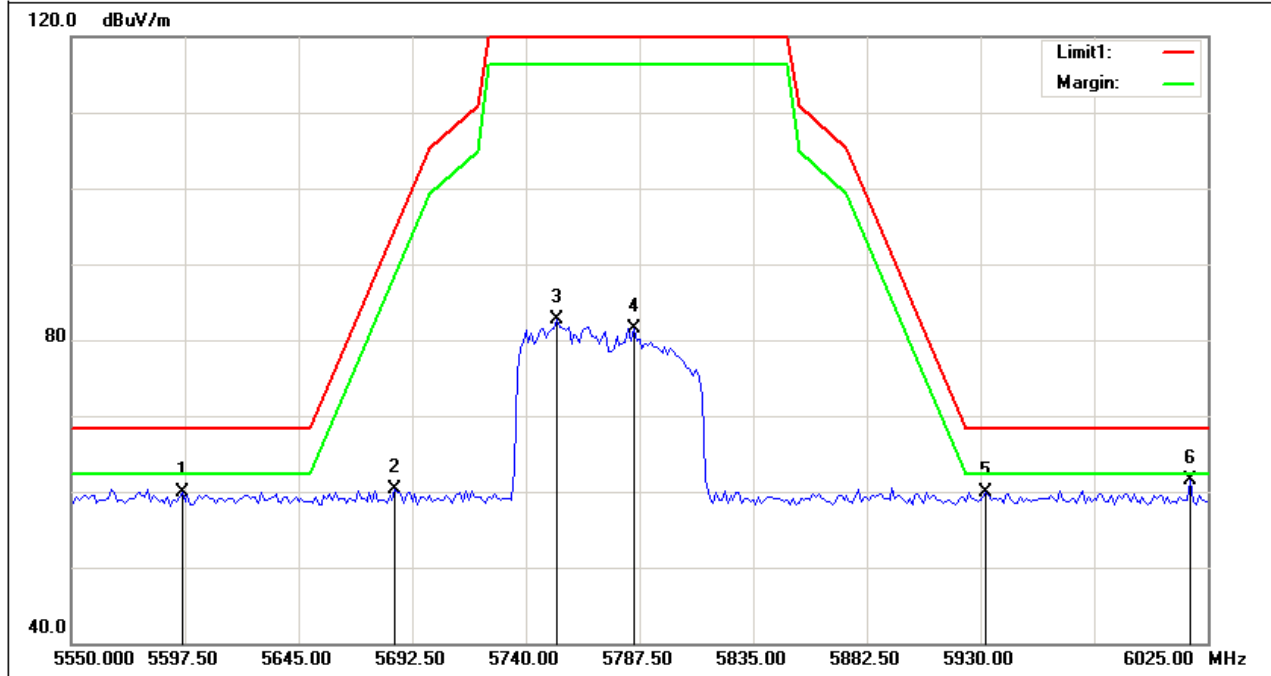
## Horizontal



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|-----------------------|-----------------|----------------|-------------|--------|
| 1   | 5798.125        | 60.06            | 35.81                 | 95.87           | 122.30         | -26.43      | peak   |
| 2   | 5825.625        | 28.38            | 35.80                 | 64.18           | 122.30         | -58.12      | peak   |
| 3   | 5903.125        | 25.33            | 35.77                 | 61.10           | 84.49          | -23.39      | peak   |
| 4   | 5928.750        | 24.10            | 35.76                 | 59.86           | 68.30          | -8.44       | peak   |
| 5   | 5959.375        | 24.77            | 35.74                 | 60.51           | 68.30          | -7.79       | peak   |
| 6   | 6006.250        | 24.98            | 35.76                 | 60.74           | 68.30          | -7.56       | peak   |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT80) Mode 5775 MHz |

## Vertical

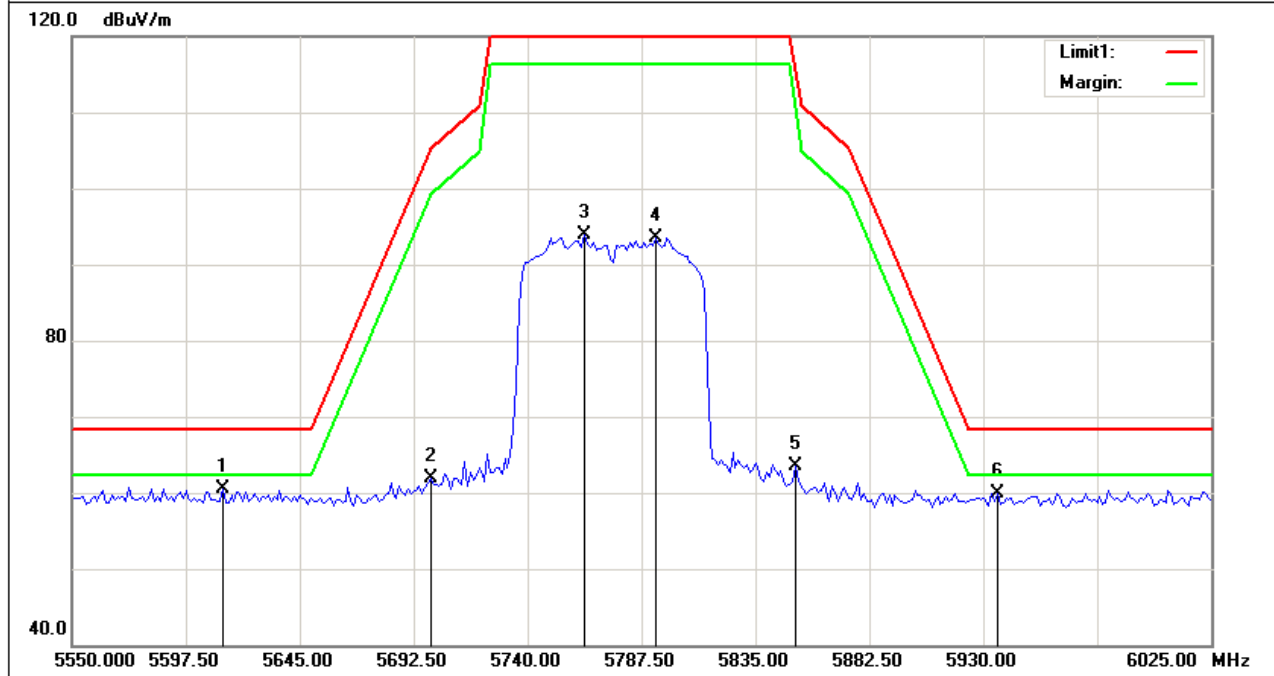


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5596.313           | 23.95               | 35.88                   | 59.83              | 68.30             | -8.47          | peak   |
| 2   | 5685.375           | 24.36               | 35.85                   | 60.21              | 94.48             | -34.27         | peak   |
| 3   | 5753.063           | 46.88               | 35.83                   | 82.71              | 122.30            | -39.59         | peak   |
| 4   | 5785.125           | 45.64               | 35.81                   | 81.45              | 122.30            | -40.85         | peak   |
| 5   | 5932.375           | 24.20               | 35.75                   | 59.95              | 68.30             | -8.35          | peak   |
| 6   | 6017.875           | 25.69               | 35.82                   | 61.51              | 68.30             | -6.79          | peak   |



|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT80) Mode 5775 MHz |

## Horizontal

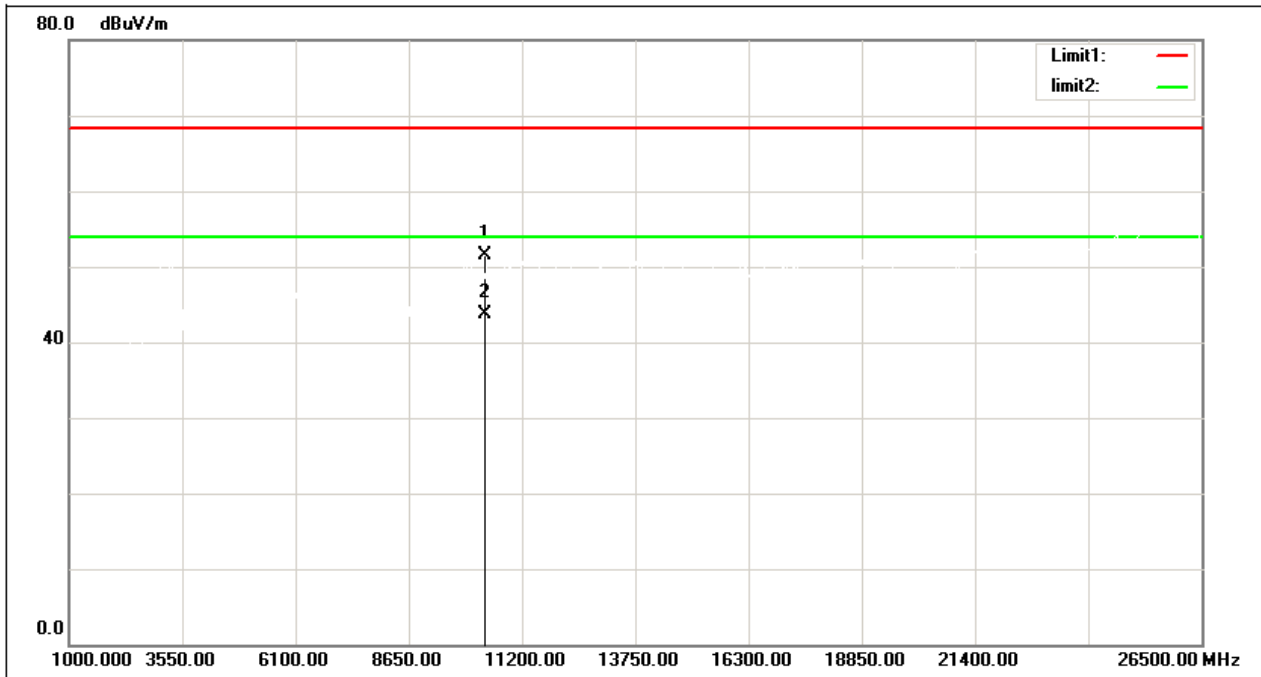


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 5612.938           | 24.53               | 35.88                   | 60.41              | 68.30             | -7.89          | peak   |
| 2   | 5699.625           | 26.06               | 35.85                   | 61.91              | 105.02            | -43.11         | peak   |
| 3   | 5763.750           | 58.12               | 35.82                   | 93.94              | 122.30            | -28.36         | peak   |
| 4   | 5793.438           | 57.74               | 35.82                   | 93.56              | 122.30            | -28.74         | peak   |
| 5   | 5851.625           | 27.65               | 35.79                   | 63.44              | 118.59            | -55.15         | peak   |
| 6   | 5935.938           | 24.19               | 35.75                   | 59.94              | 68.30             | -8.36          | peak   |

## 5.9.TEST RESULTS - ABOVE1000 MHz (HARMONIC)

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-1_TX A Mode 5180 MHz |

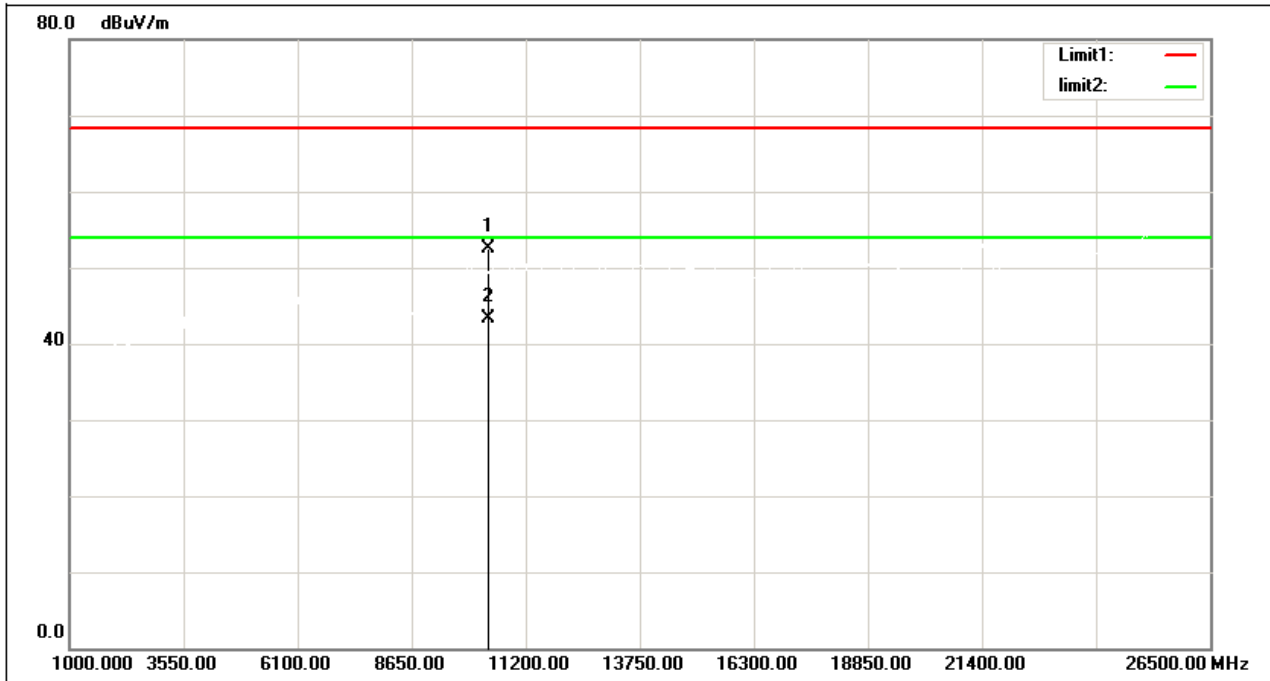
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10360.000          | 45.36               | 6.22                    | 51.58              | 68.30             | -16.72         | peak   |
| 2   | 10360.000          | 37.41               | 6.22                    | 43.63              | 54.00             | -10.37         | AVG    |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-1_TX A Mode 5180 MHz |

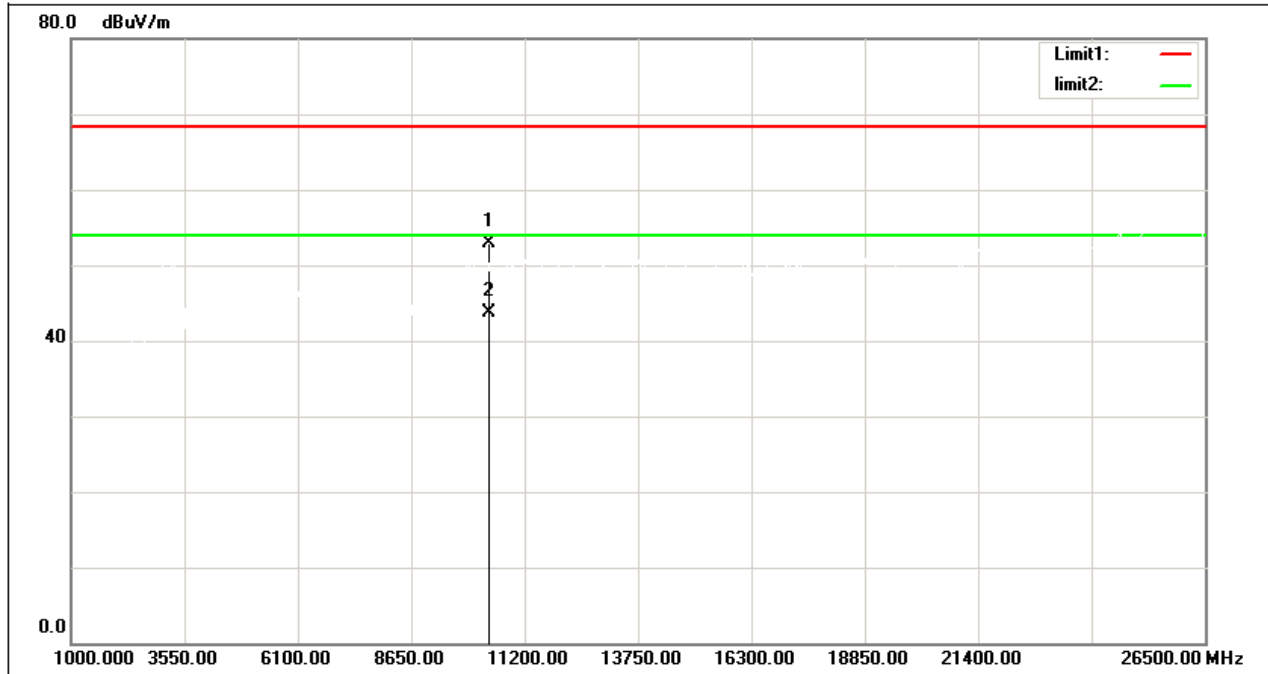
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10360.000          | 46.33               | 6.22                    | 52.55              | 68.30             | -15.75         | peak   |
| 2   | 10360.000          | 37.05               | 6.22                    | 43.27              | 54.00             | -10.73         | AVG    |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-1_TX A Mode 5200 MHz |

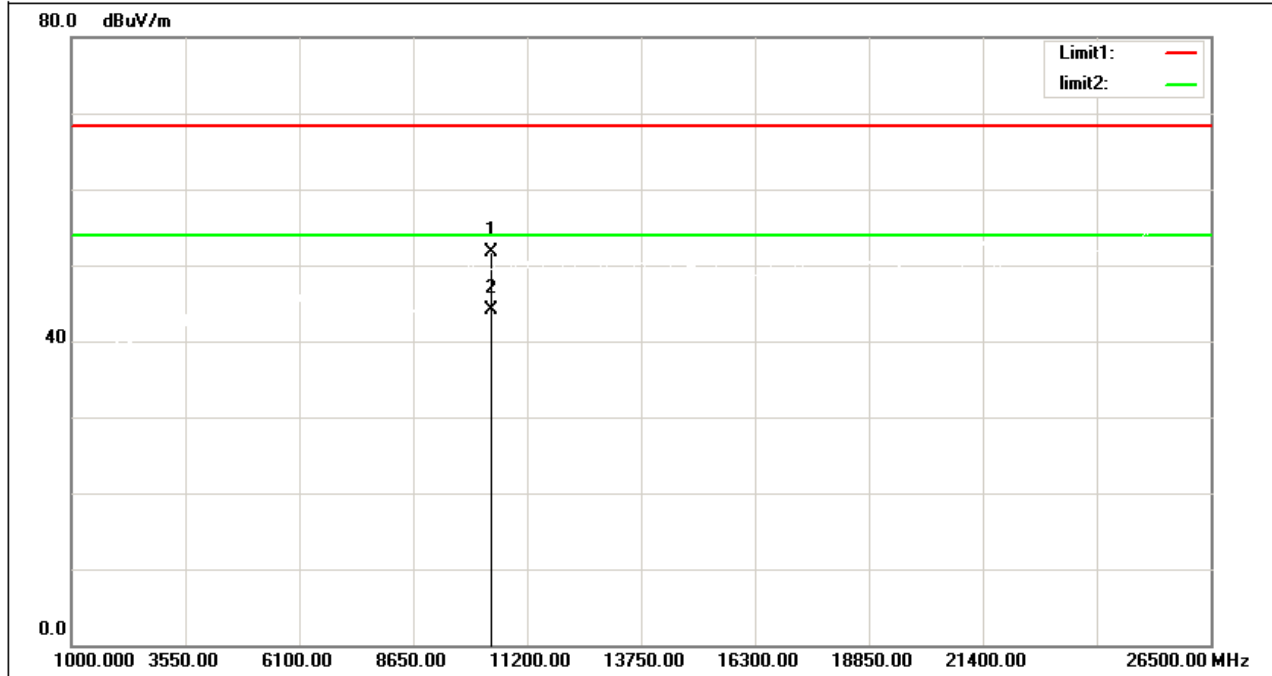
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10400.000          | 46.58               | 6.35                    | 52.93              | 68.30             | -15.37         | peak   |
| 2   | 10400.000          | 37.44               | 6.35                    | 43.79              | 54.00             | -10.21         | AVG    |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-1_TX A Mode 5200 MHz |

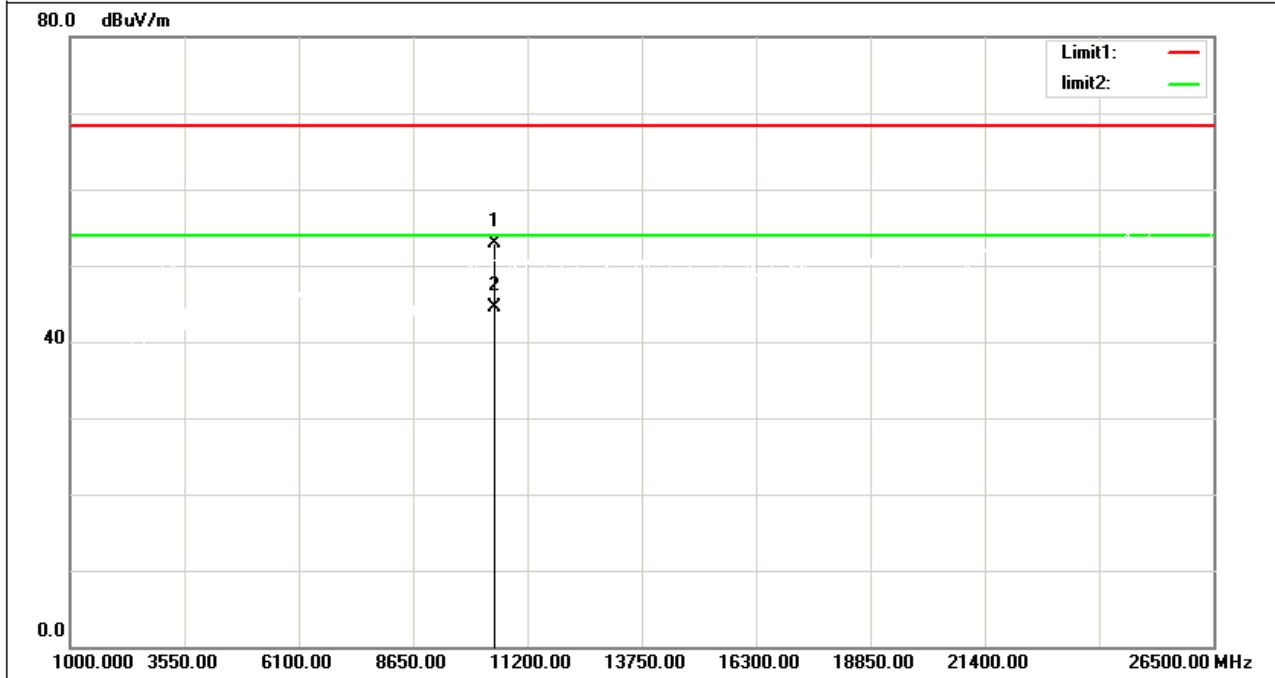
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10400.000          | 45.41               | 6.35                    | 51.76              | 68.30             | -16.54         | peak   |
| 2   | 10400.000          | 37.82               | 6.35                    | 44.17              | 54.00             | -9.83          | AVG    |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-1_TX A Mode 5240 MHz |

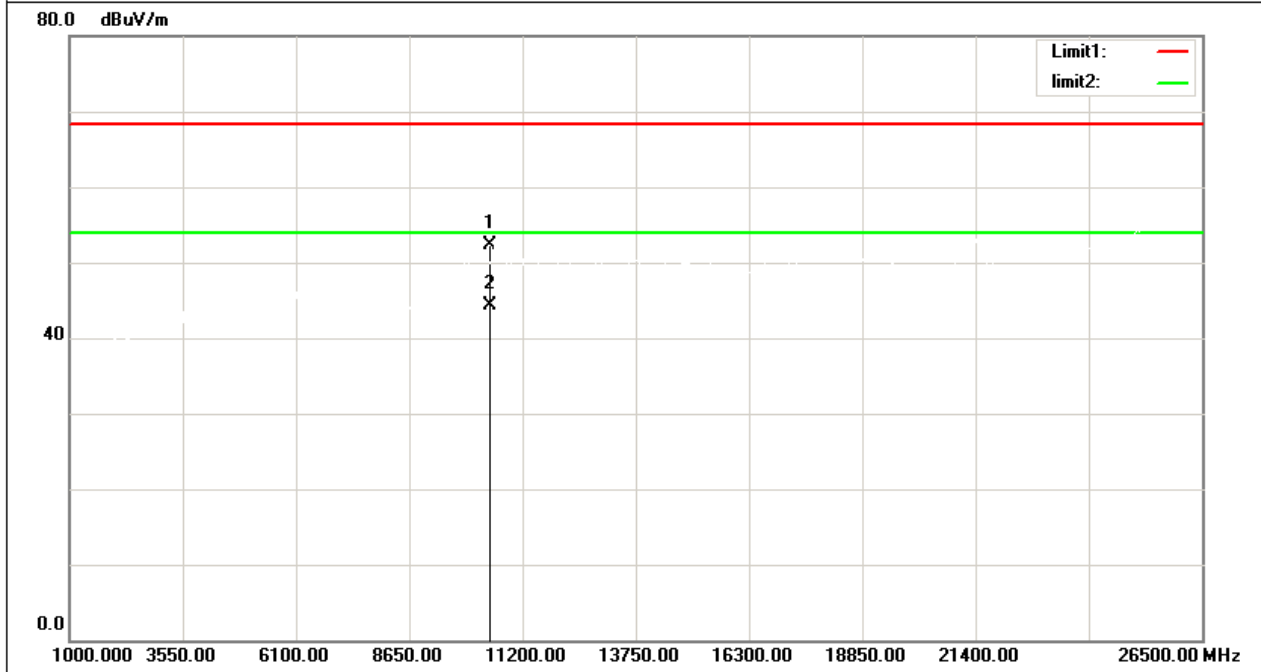
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10480.000          | 46.35               | 6.61                    | 52.96              | 68.30             | -15.34         | peak   |
| 2   | 10480.000          | 37.82               | 6.61                    | 44.43              | 54.00             | -9.57          | AVG    |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-1_TX A Mode 5240 MHz |

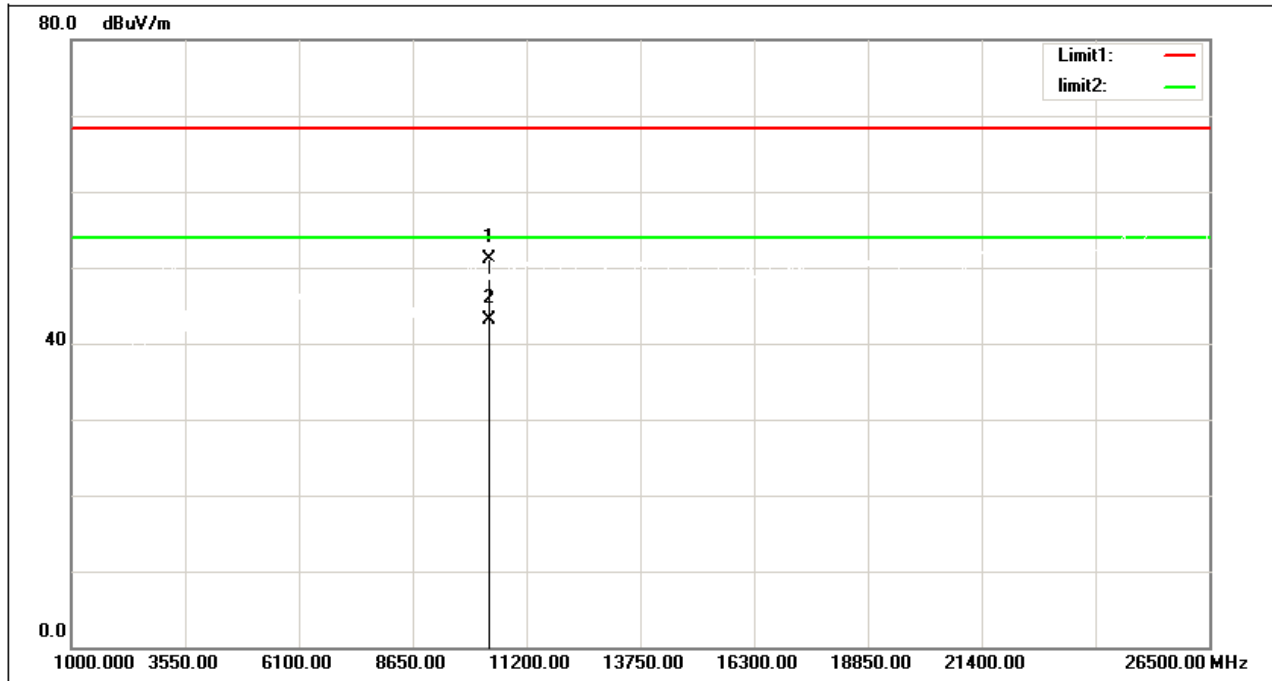
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10480.000          | 45.74               | 6.61                    | 52.35              | 68.30             | -15.95         | peak   |
| 2   | 10480.000          | 37.61               | 6.61                    | 44.22              | 54.00             | -9.78          | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT20) Mode 5180 MHz |

## Vertical

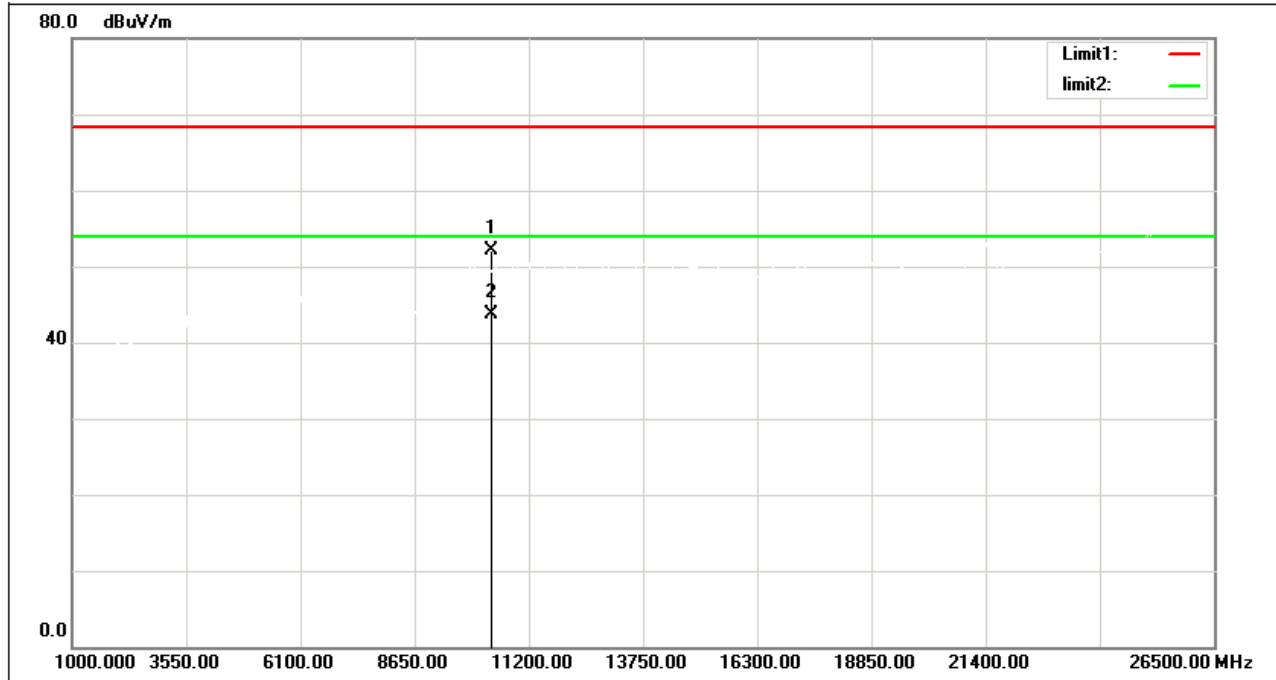


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10360.000          | 44.93               | 6.22                    | 51.15              | 68.30             | -17.15         | peak   |
| 2   | 10360.000          | 36.87               | 6.22                    | 43.09              | 54.00             | -10.91         | AVG    |



|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT20) Mode 5180 MHz |

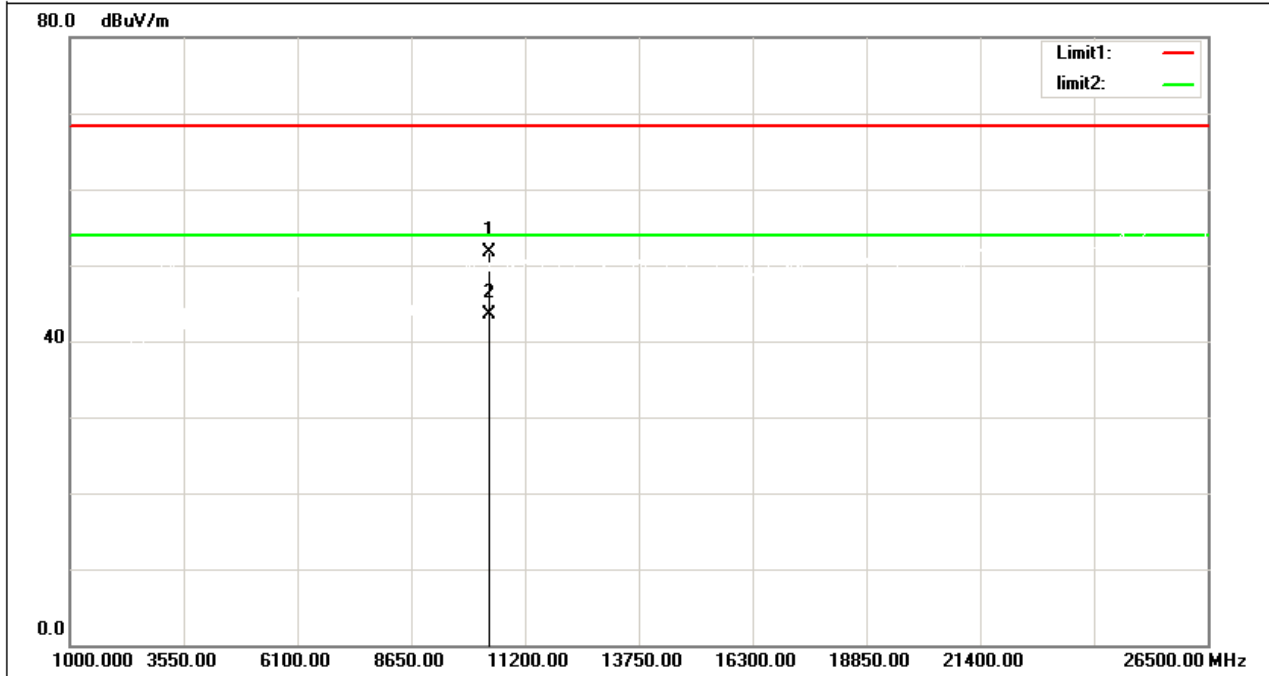
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10360.000          | 45.82               | 6.22                    | 52.04              | 68.30             | -16.26         | peak   |
| 2   | 10360.000          | 37.41               | 6.22                    | 43.63              | 54.00             | -10.37         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT20) Mode 5200 MHz |

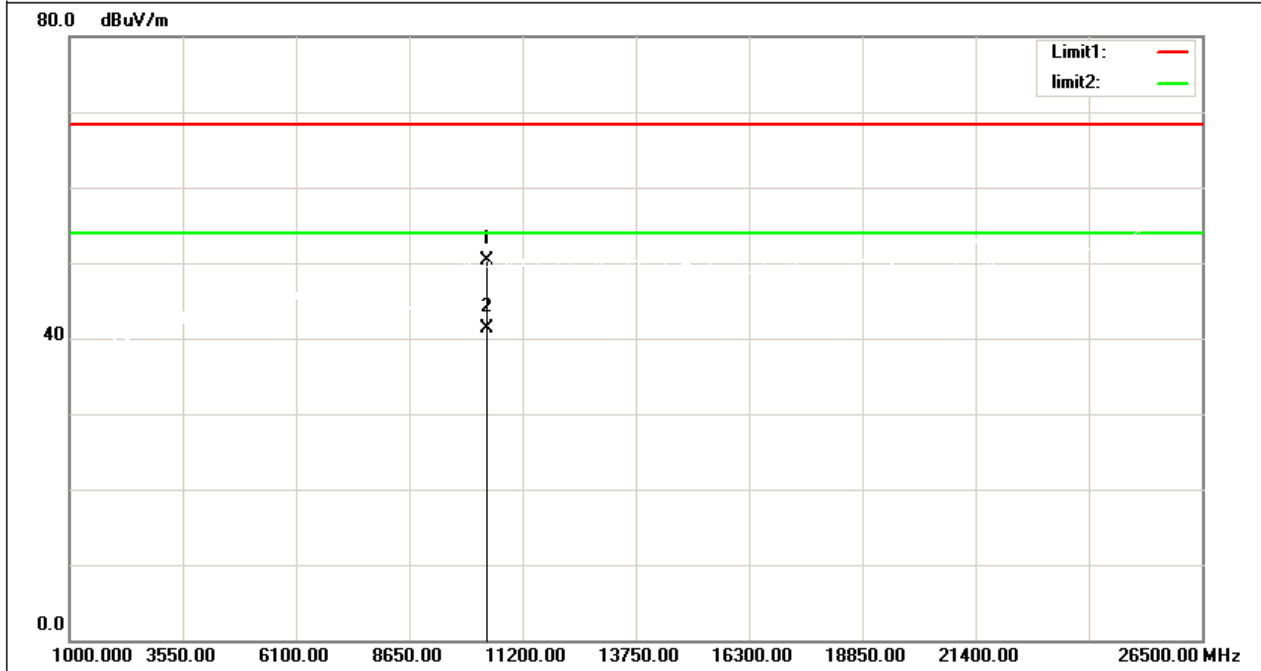
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10400.000          | 45.34               | 6.35                    | 51.69              | 68.30             | -16.61         | peak   |
| 2   | 10400.000          | 37.22               | 6.35                    | 43.57              | 54.00             | -10.43         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT20) Mode 5200 MHz |

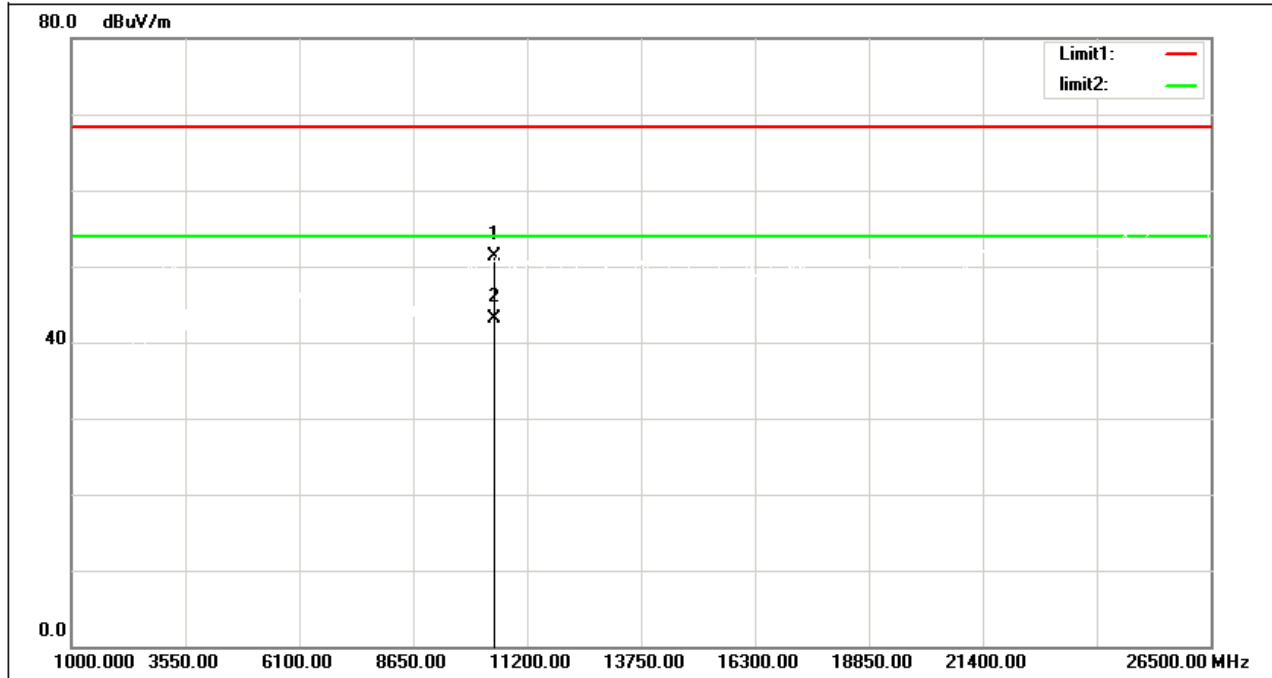
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10400.000          | 43.89               | 6.35                    | 50.24              | 68.30             | -18.06         | peak   |
| 2   | 10400.000          | 35.02               | 6.35                    | 41.37              | 54.00             | -12.63         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT20) Mode 5240 MHz |

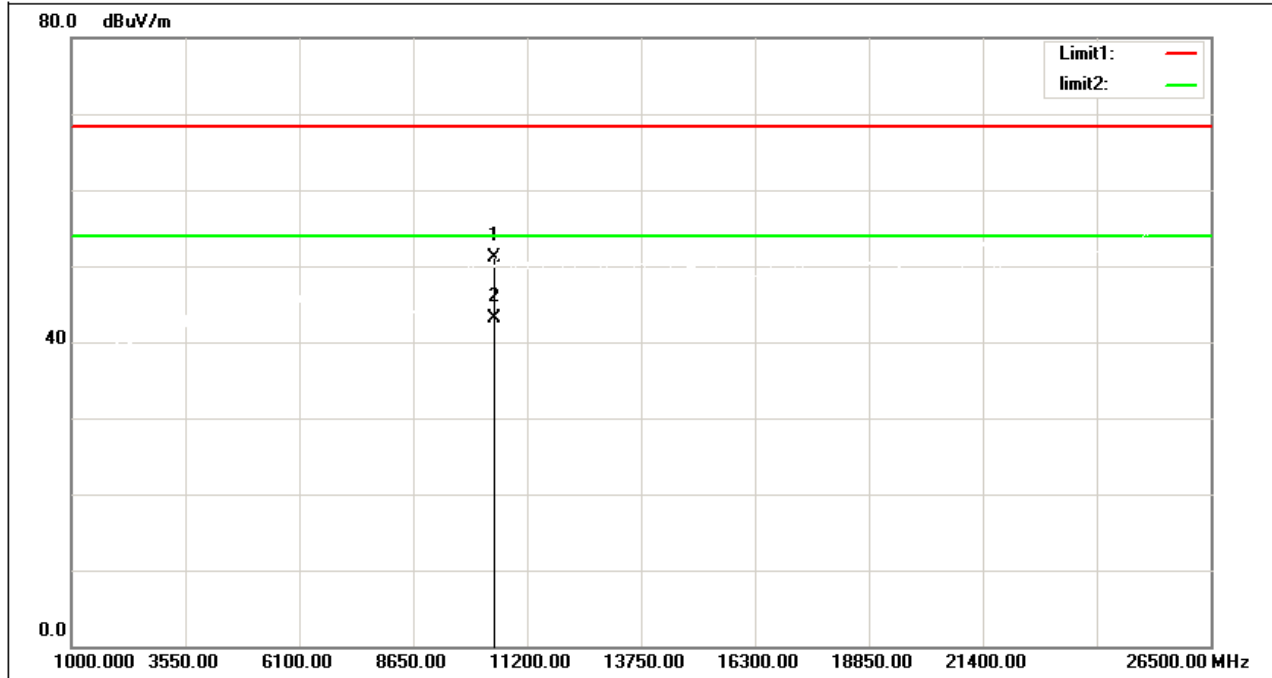
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10480.000          | 44.64               | 6.61                    | 51.25              | 68.30             | -17.05         | peak   |
| 2   | 10480.000          | 36.54               | 6.61                    | 43.15              | 54.00             | -10.85         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT20) Mode 5240 MHz |

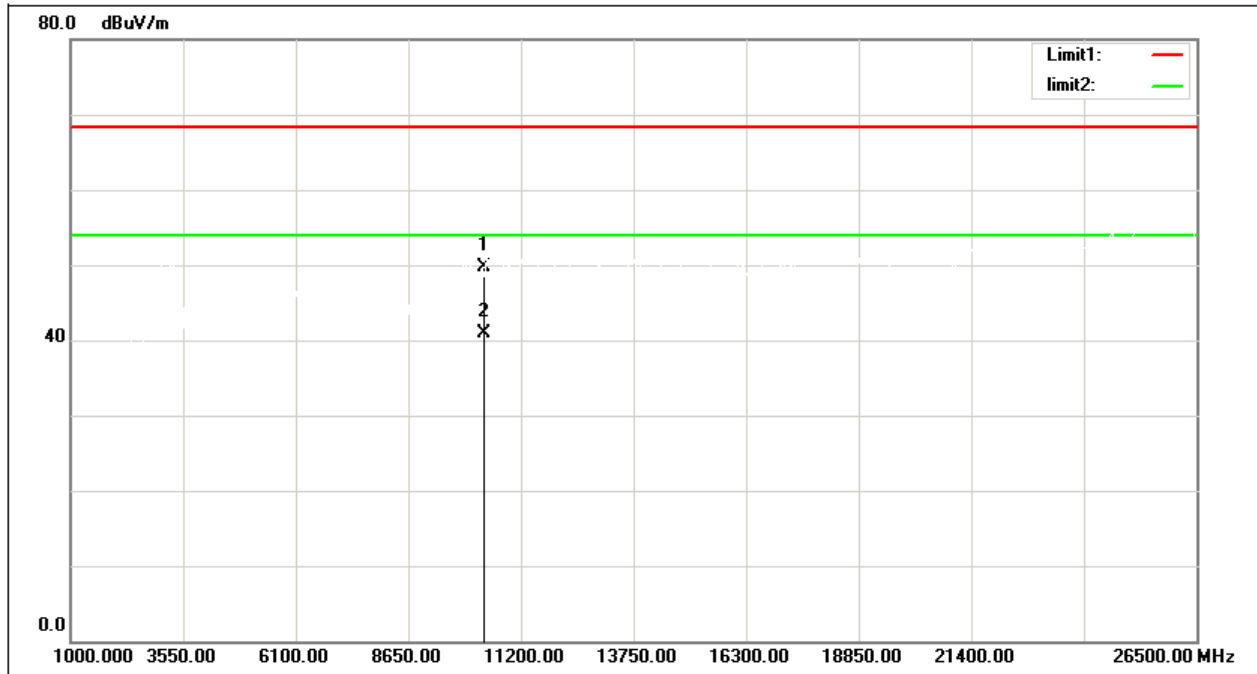
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10480.000          | 44.58               | 6.61                    | 51.19              | 68.30             | -17.11         | peak   |
| 2   | 10480.000          | 36.54               | 6.61                    | 43.15              | 54.00             | -10.85         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT40) Mode 5190 MHz |

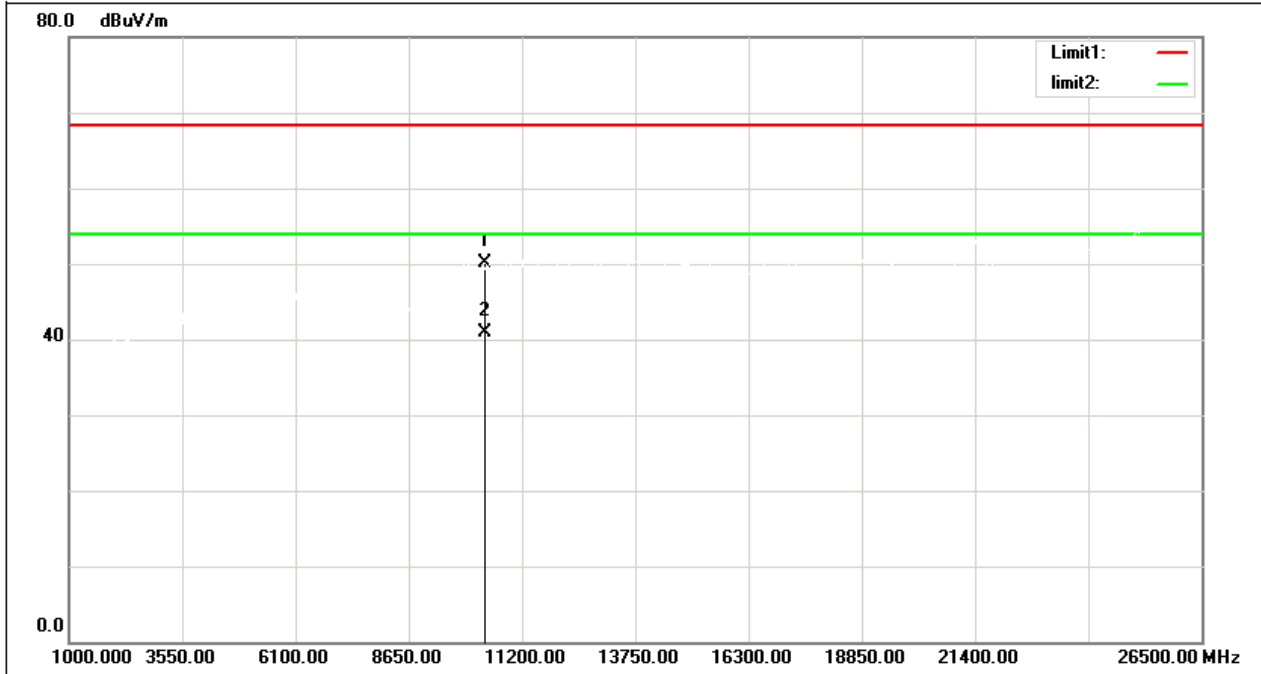
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10380.000          | 43.52               | 6.28                    | 49.80              | 68.30             | -18.50         | peak   |
| 2   | 10380.000          | 34.64               | 6.28                    | 40.92              | 54.00             | -13.08         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT40) Mode 5190 MHz |

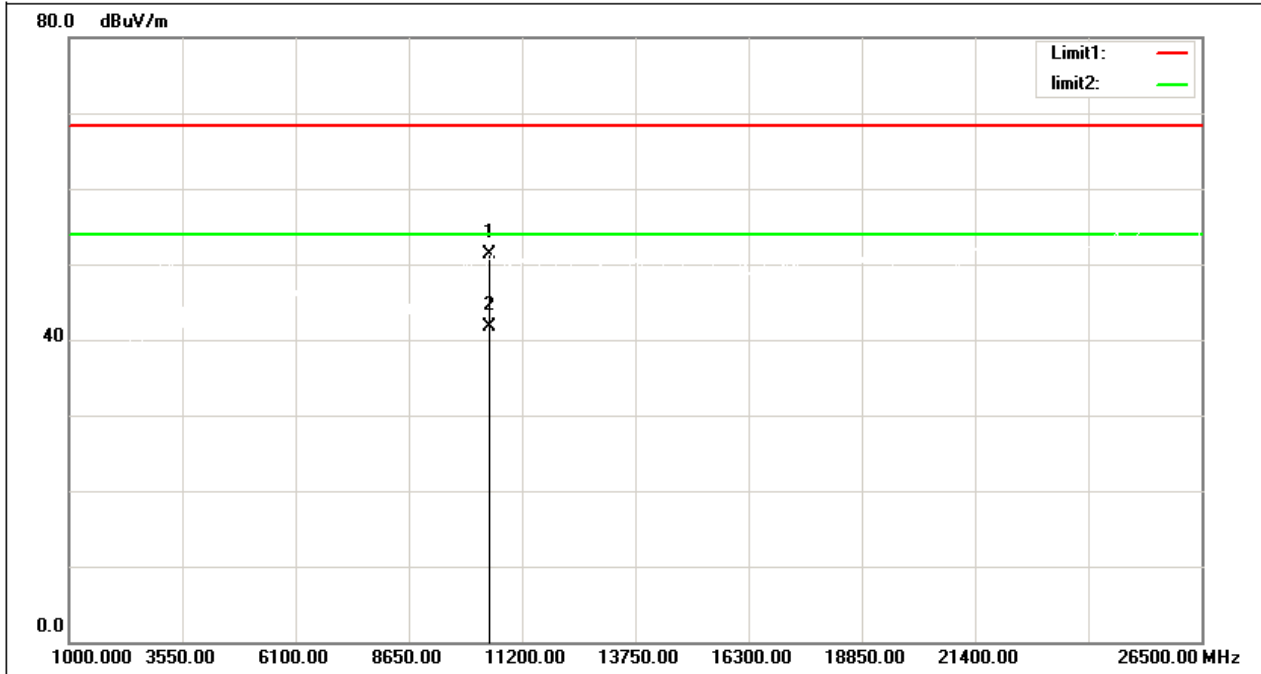
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10380.000          | 43.76               | 6.28                    | 50.04              | 68.30             | -18.26         | peak   |
| 2   | 10380.000          | 34.65               | 6.28                    | 40.93              | 54.00             | -13.07         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT40) Mode 5230 MHz |

## Vertical

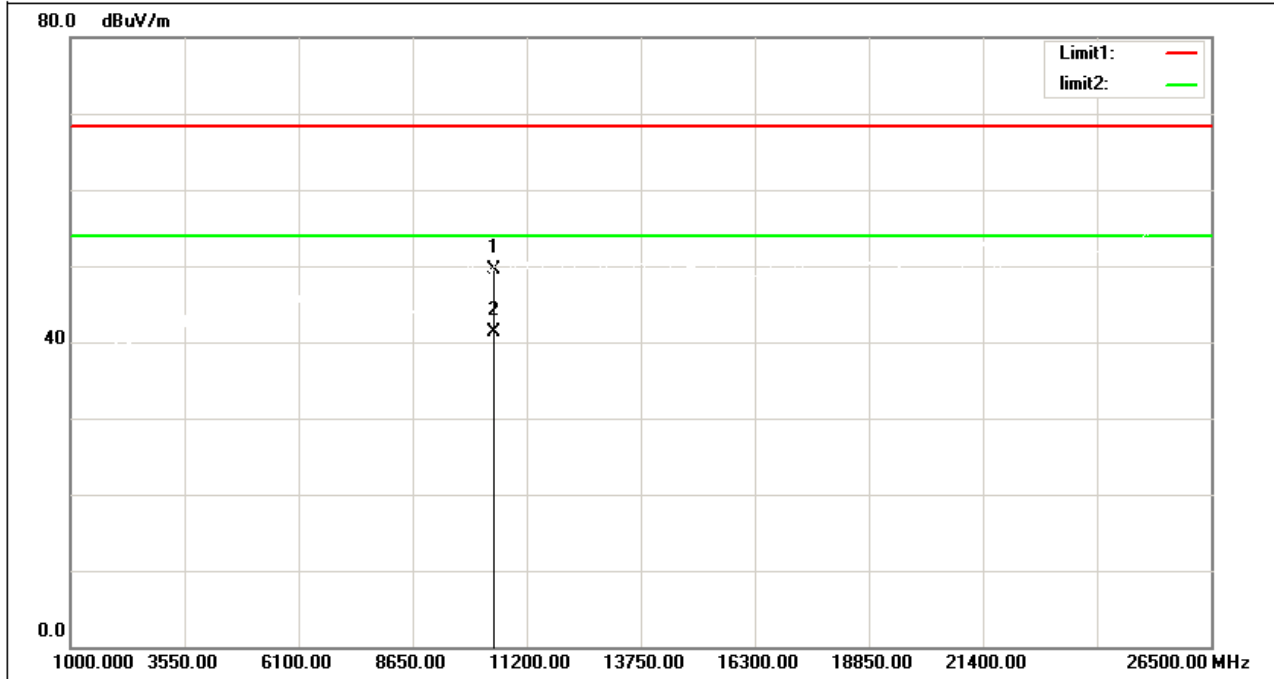


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10460.000          | 44.84               | 6.55                    | 51.39              | 68.30             | -16.91         | peak   |
| 2   | 10460.000          | 35.12               | 6.55                    | 41.67              | 54.00             | -12.33         | AVG    |



|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-1_TX N (HT40) Mode 5230 MHz |

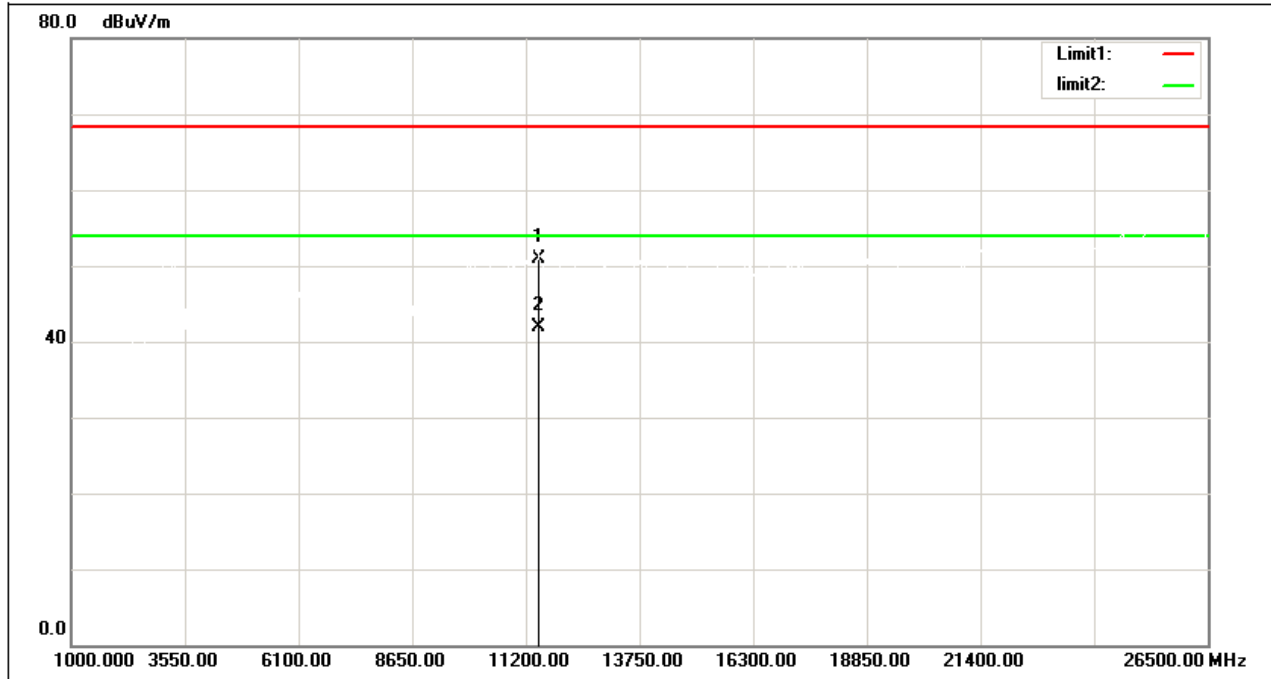
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10460.000          | 43.02               | 6.55                    | 49.57              | 68.30             | -18.73         | peak   |
| 2   | 10460.000          | 34.73               | 6.55                    | 41.28              | 54.00             | -12.72         | AVG    |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-3_TX A Mode 5745 MHz |

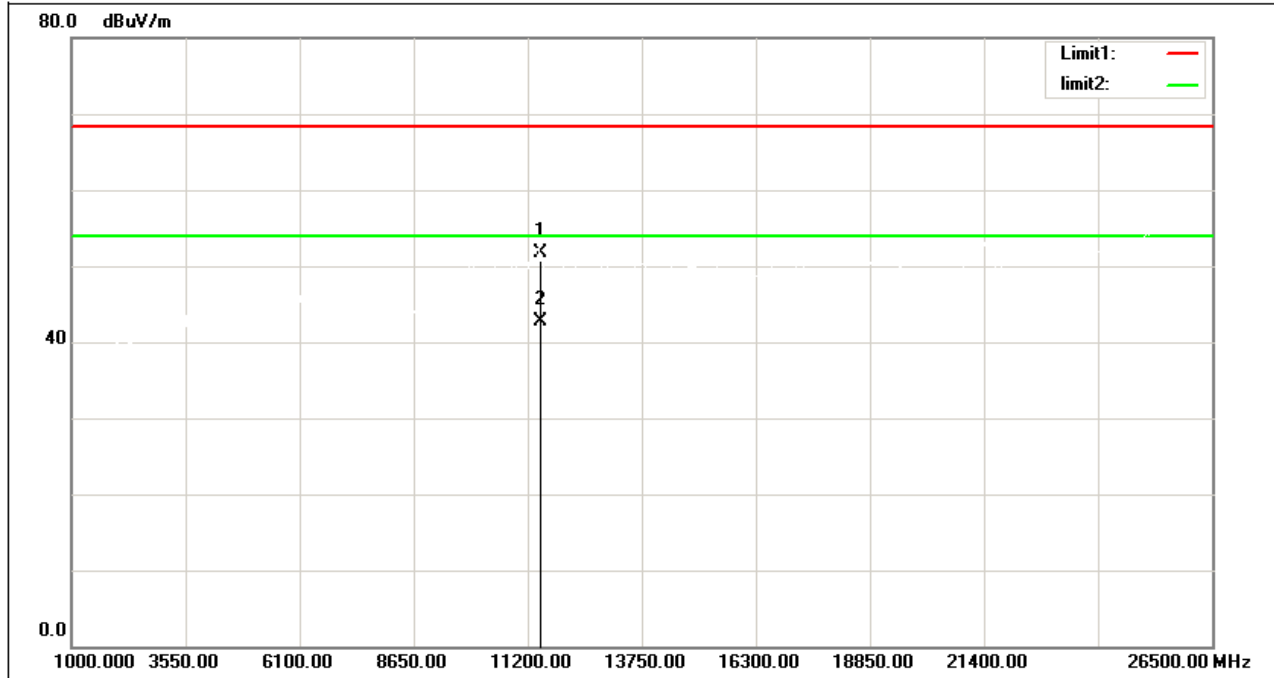
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11490.000          | 42.77               | 8.06                    | 50.83              | 68.30             | -17.47         | peak   |
| 2   | 11490.000          | 33.85               | 8.06                    | 41.91              | 54.00             | -12.09         | AVG    |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-3_TX A Mode 5745 MHz |

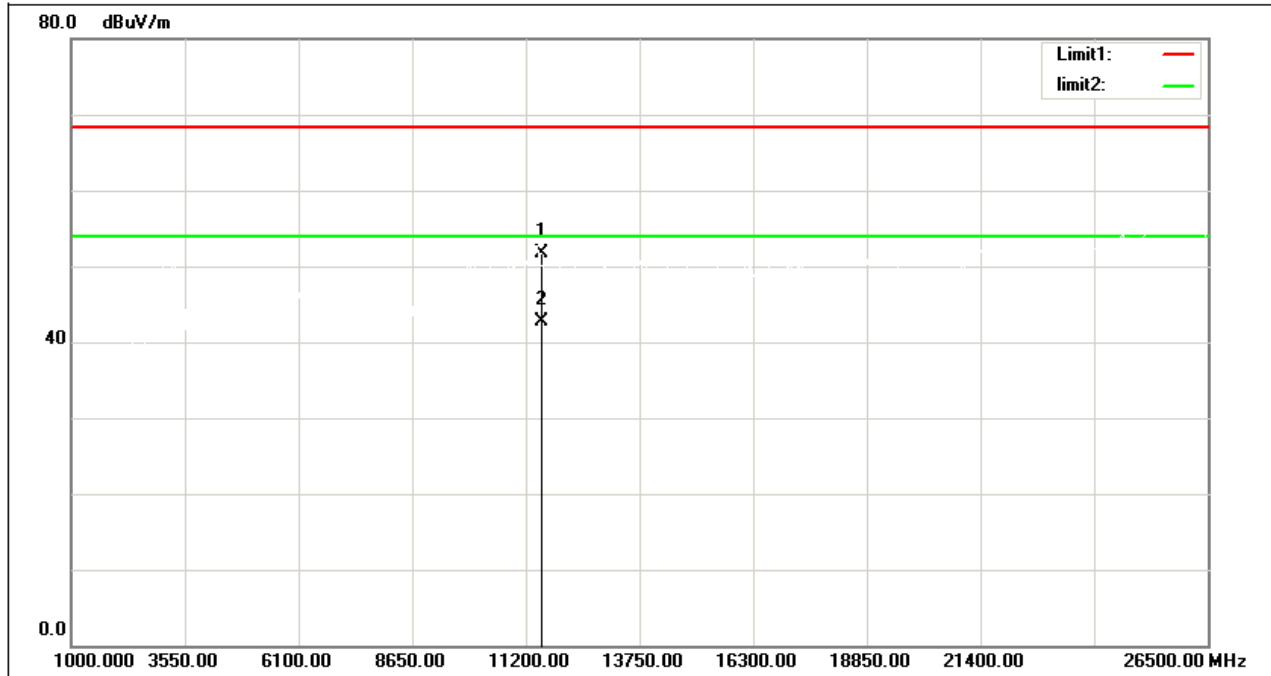
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11490.000          | 43.66               | 8.06                    | 51.72              | 68.30             | -16.58         | peak   |
| 2   | 11490.000          | 34.56               | 8.06                    | 42.62              | 54.00             | -11.38         | AVG    |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-3_TX A Mode 5785 MHz |

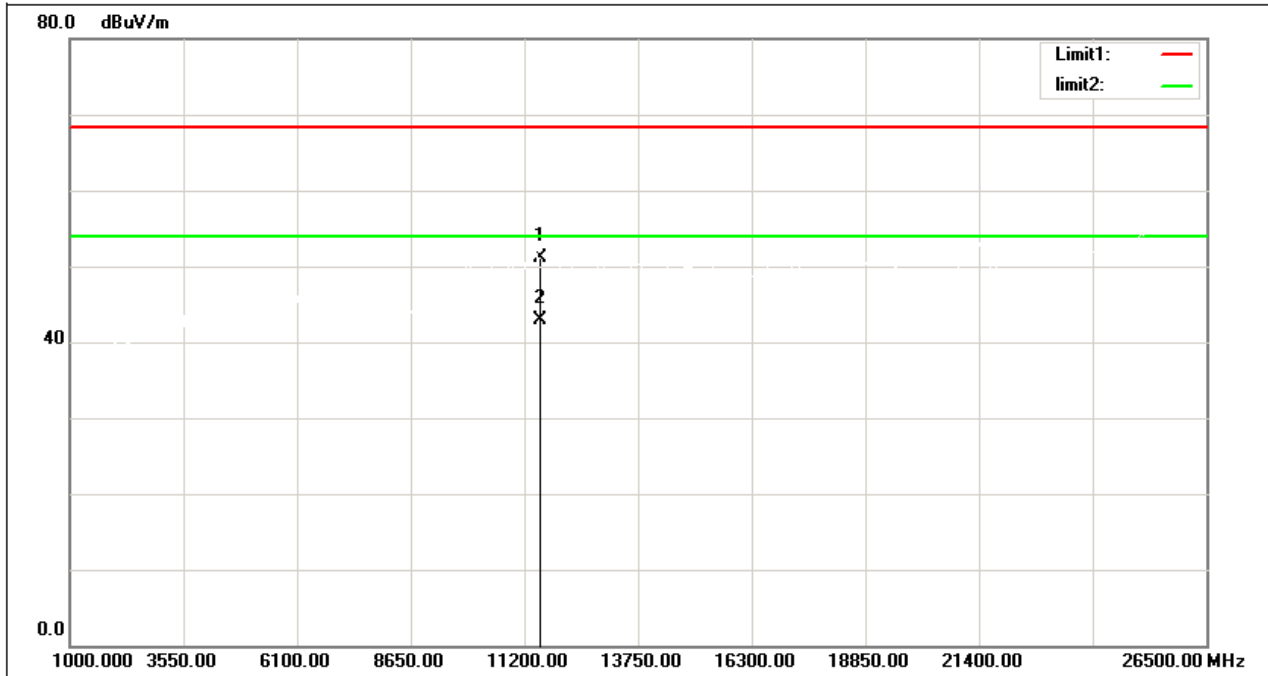
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11570.000          | 43.61               | 8.00                    | 51.61              | 68.30             | -16.69         | peak   |
| 2   | 11570.000          | 34.78               | 8.00                    | 42.78              | 54.00             | -11.22         | AVG    |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-3_TX A Mode 5785 MHz |

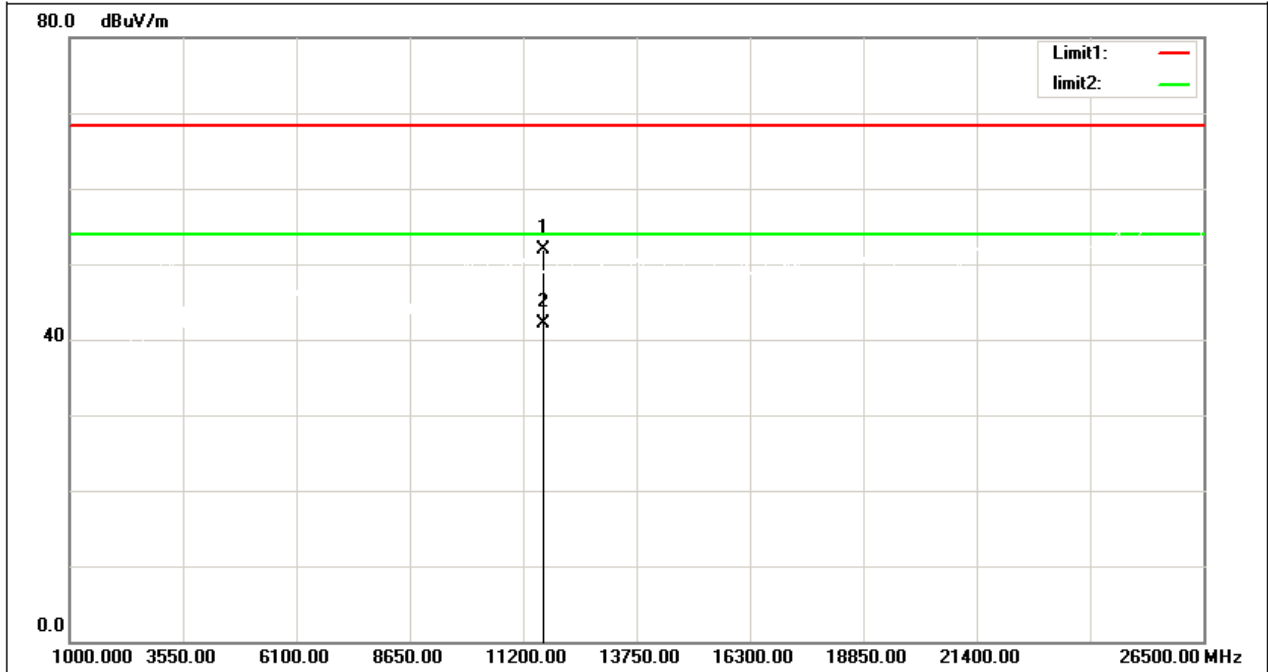
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11570.000          | 43.18               | 8.00                    | 51.18              | 68.30             | -17.12         | peak   |
| 2   | 11570.000          | 34.94               | 8.00                    | 42.94              | 54.00             | -11.06         | AVG    |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-3_TX A Mode 5825 MHz |

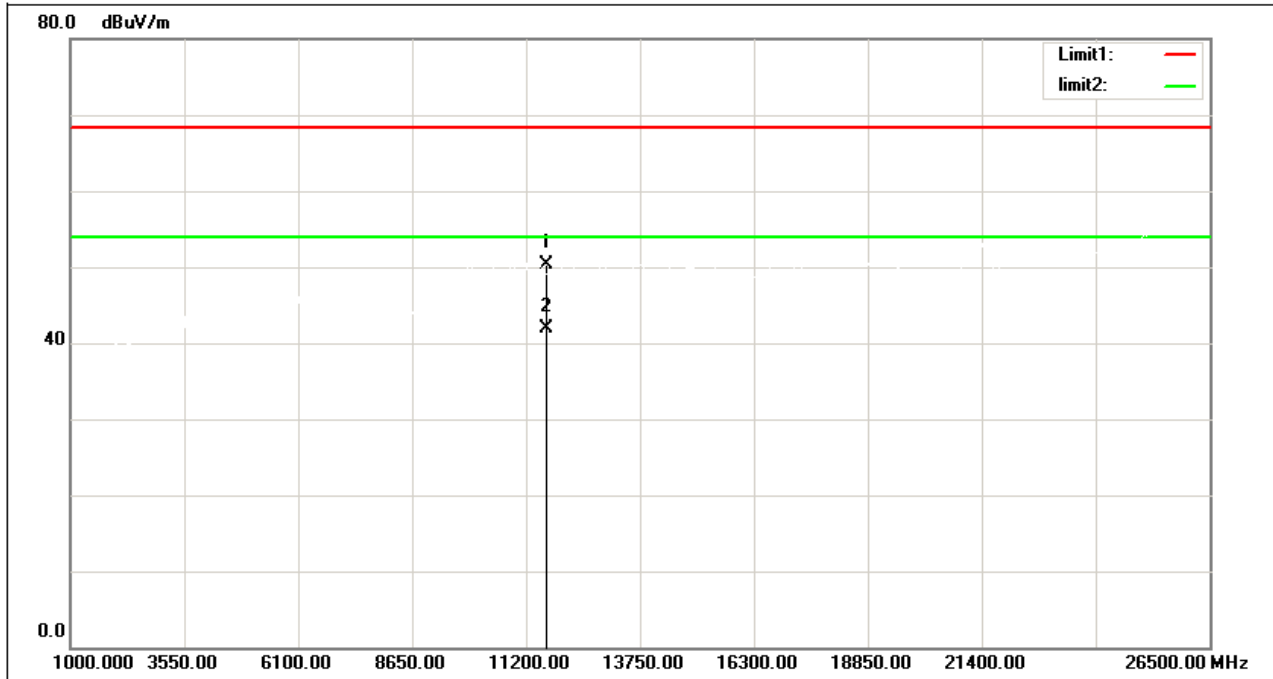
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11650.000          | 43.85               | 7.97                    | 51.82              | 68.30             | -16.48         | peak   |
| 2   | 11650.000          | 34.18               | 7.97                    | 42.15              | 54.00             | -11.85         | AVG    |

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-3_TX A Mode 5825 MHz |

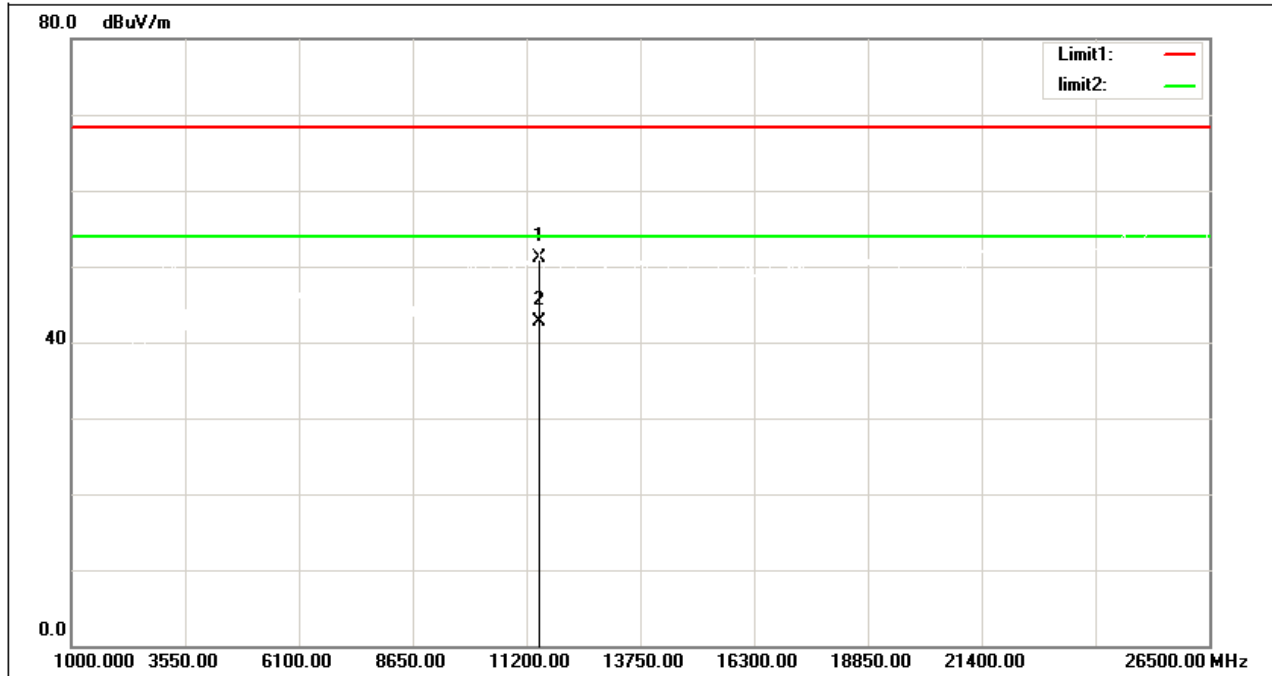
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11650.000          | 42.34               | 7.97                    | 50.31              | 68.30             | -17.99         | peak   |
| 2   | 11650.000          | 33.88               | 7.97                    | 41.85              | 54.00             | -12.15         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT20) Mode 5745 MHz |

## Vertical

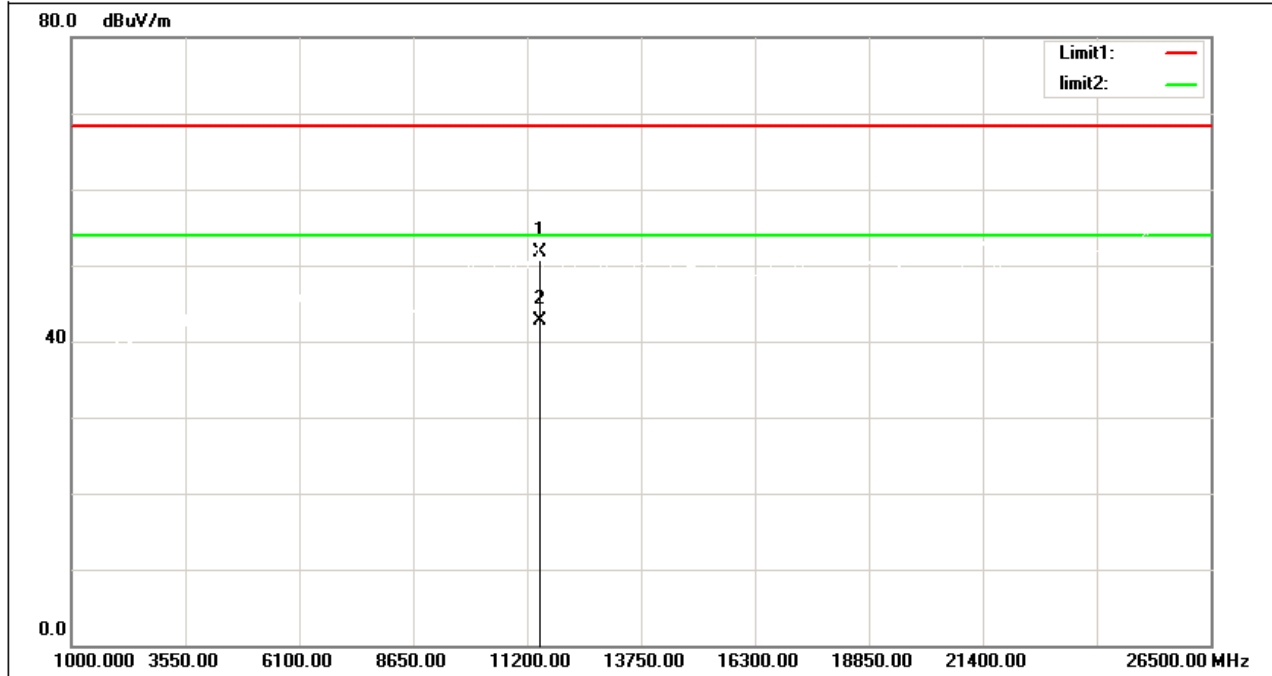


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11490.000          | 43.05               | 8.06                    | 51.11              | 68.30             | -17.19         | peak   |
| 2   | 11490.000          | 34.68               | 8.06                    | 42.74              | 54.00             | -11.26         | AVG    |



|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT20) Mode 5745 MHz |

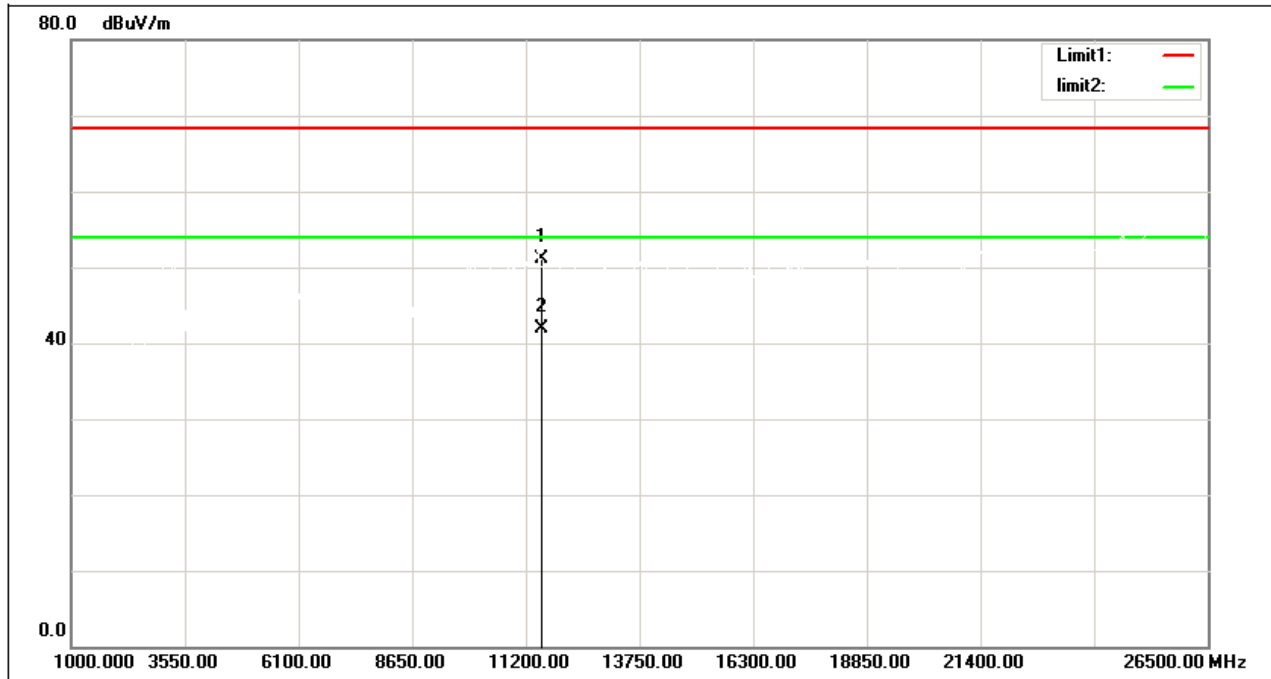
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11490.000          | 43.61               | 8.06                    | 51.67              | 68.30             | -16.63         | peak   |
| 2   | 11490.000          | 34.74               | 8.06                    | 42.80              | 54.00             | -11.20         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT20) Mode 5785 MHz |

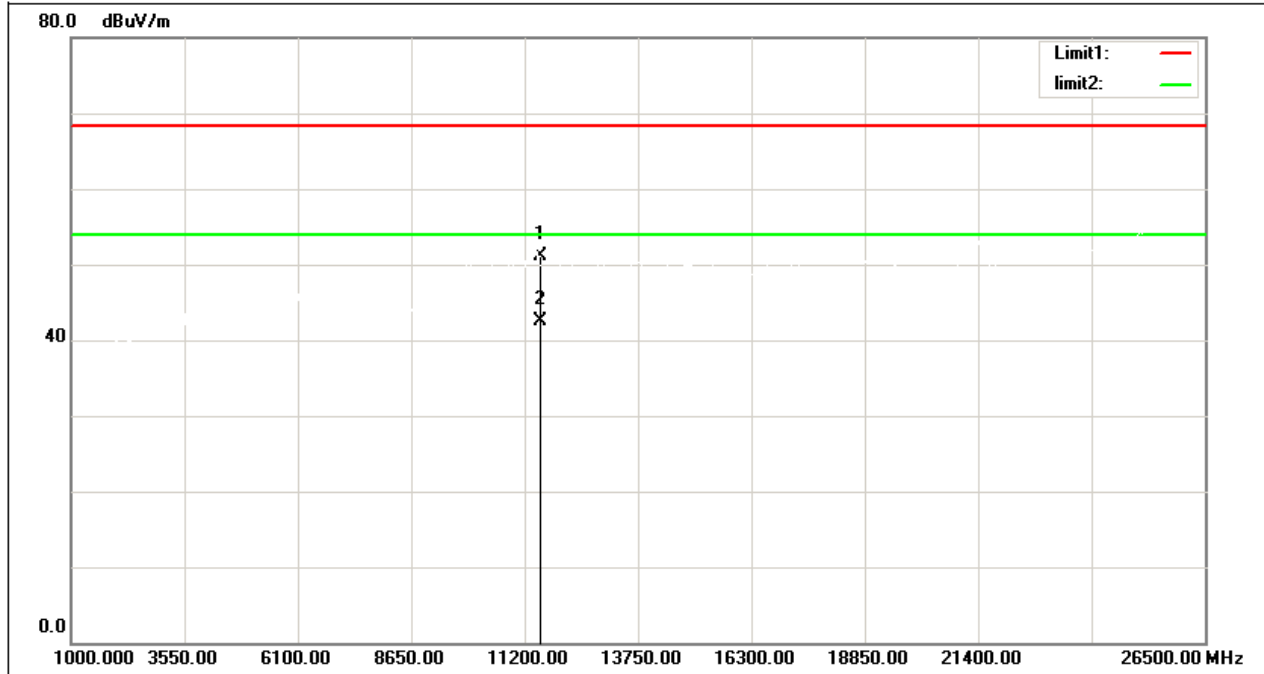
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11570.000          | 43.14               | 8.00                    | 51.14              | 68.30             | -17.16         | peak   |
| 2   | 11570.000          | 33.88               | 8.00                    | 41.88              | 54.00             | -12.12         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT20) Mode 5785 MHz |

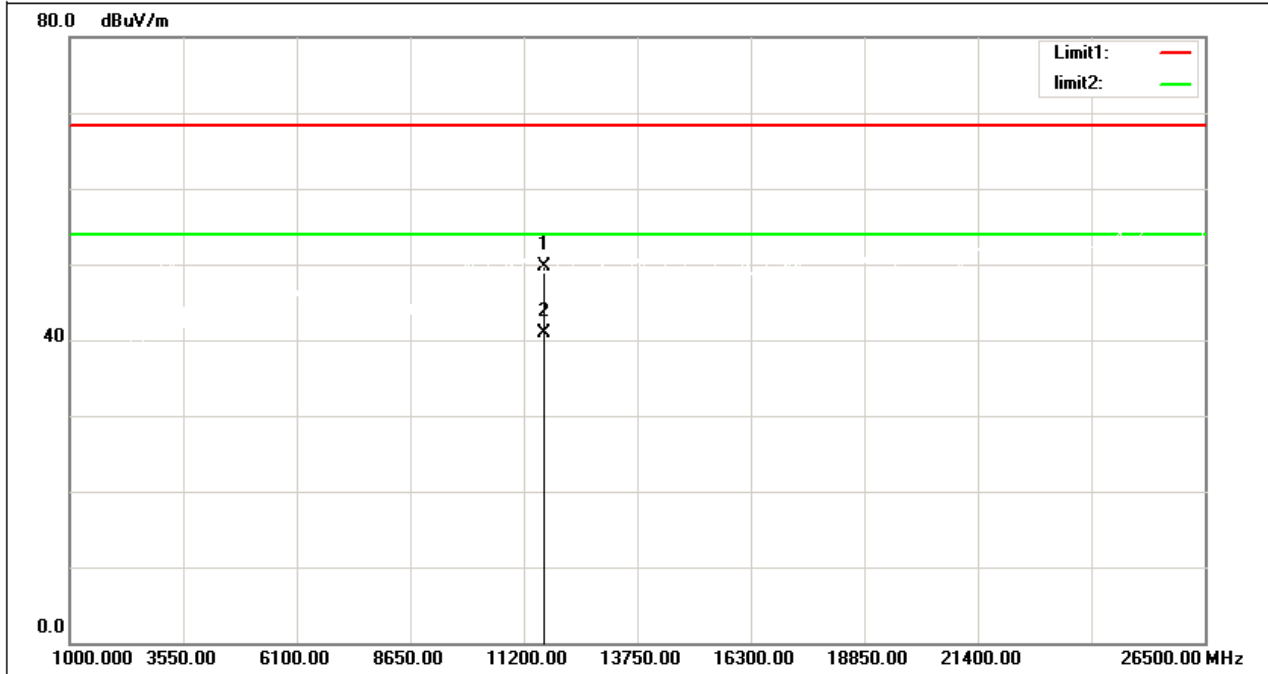
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11570.000          | 43.01               | 8.00                    | 51.01              | 68.30             | -17.29         | peak   |
| 2   | 11570.000          | 34.55               | 8.00                    | 42.55              | 54.00             | -11.45         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT20) Mode 5825 MHz |

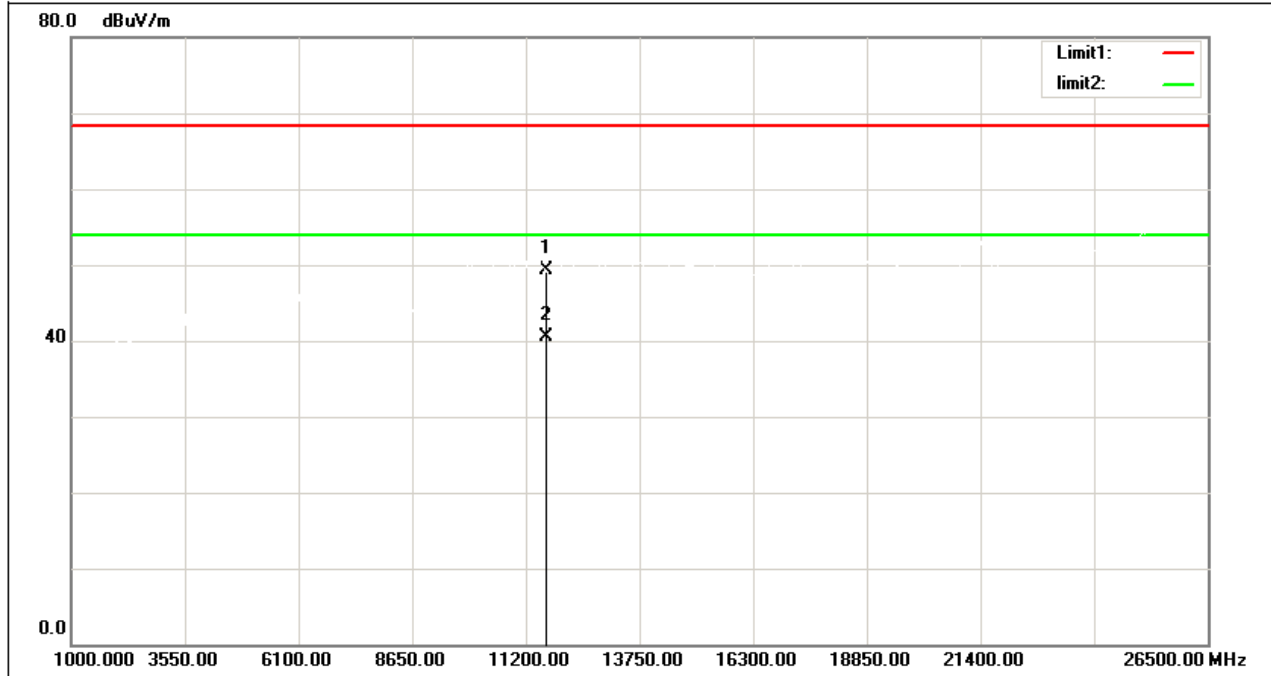
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11650.000          | 41.74               | 7.97                    | 49.71              | 68.30             | -18.59         | peak   |
| 2   | 11650.000          | 32.85               | 7.97                    | 40.82              | 54.00             | -13.18         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT20) Mode 5825 MHz |

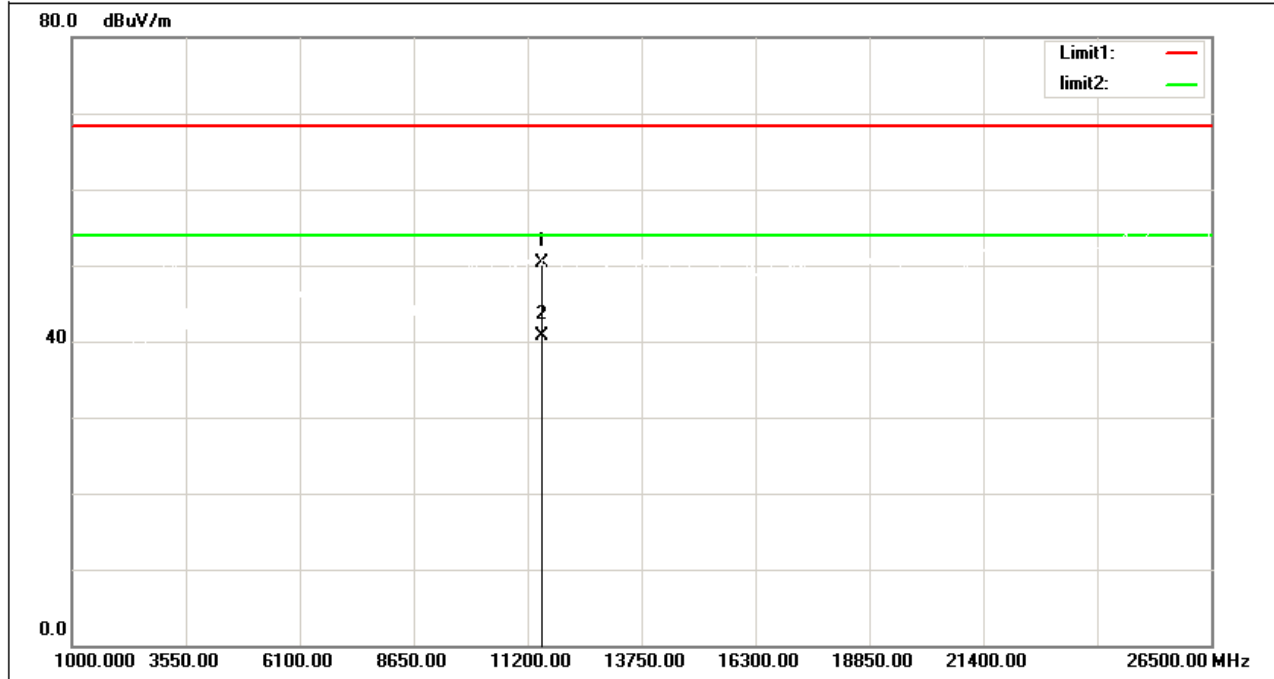
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11650.000          | 41.33               | 7.97                    | 49.30              | 68.30             | -19.00         | peak   |
| 2   | 11650.000          | 32.58               | 7.97                    | 40.55              | 54.00             | -13.45         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT40) Mode 5755 MHz |

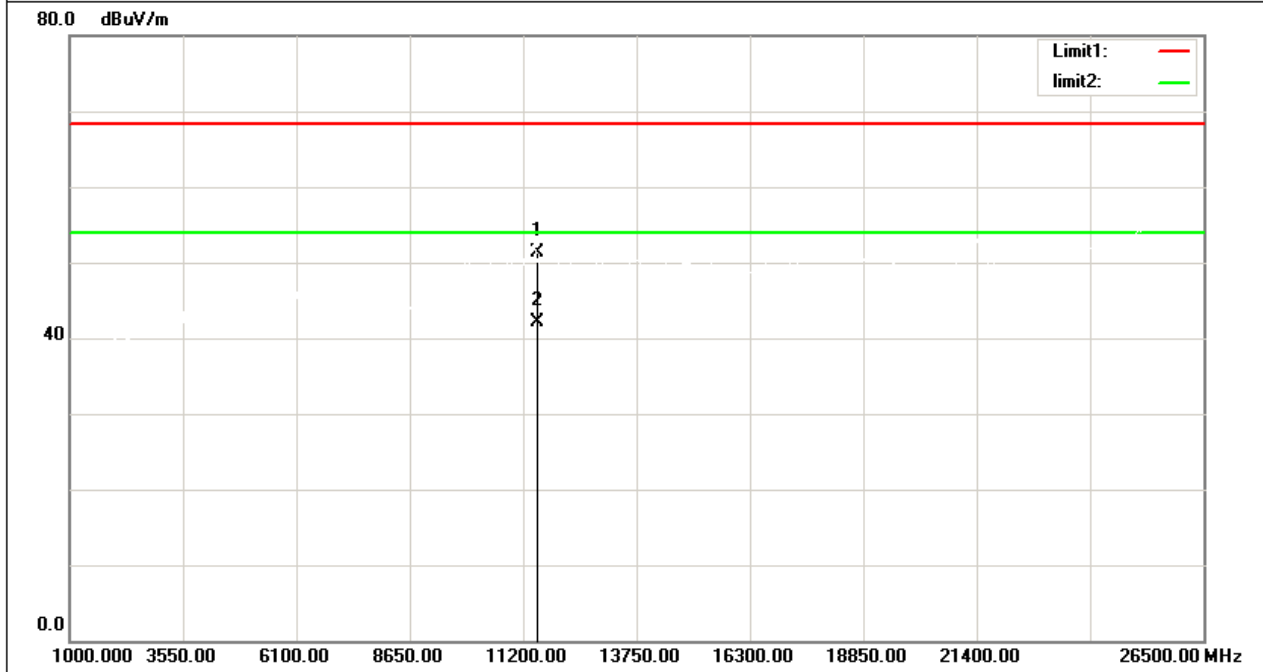
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11510.000          | 42.31               | 8.04                    | 50.35              | 68.30             | -17.95         | peak   |
| 2   | 11510.000          | 32.66               | 8.04                    | 40.70              | 54.00             | -13.30         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT40) Mode 5755 MHz |

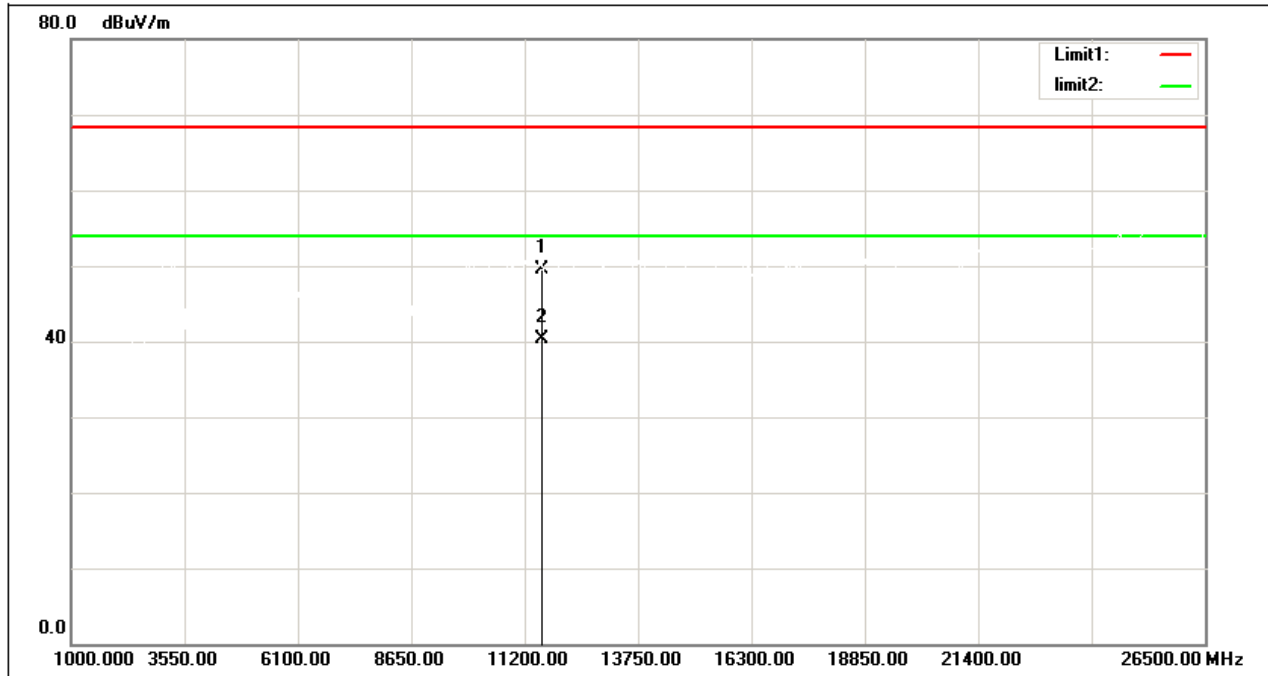
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11510.000          | 43.25               | 8.04                    | 51.29              | 68.30             | -17.01         | peak   |
| 2   | 11510.000          | 34.11               | 8.04                    | 42.15              | 54.00             | -11.85         | AVG    |

|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT40) Mode 5795 MHz |

## Vertical

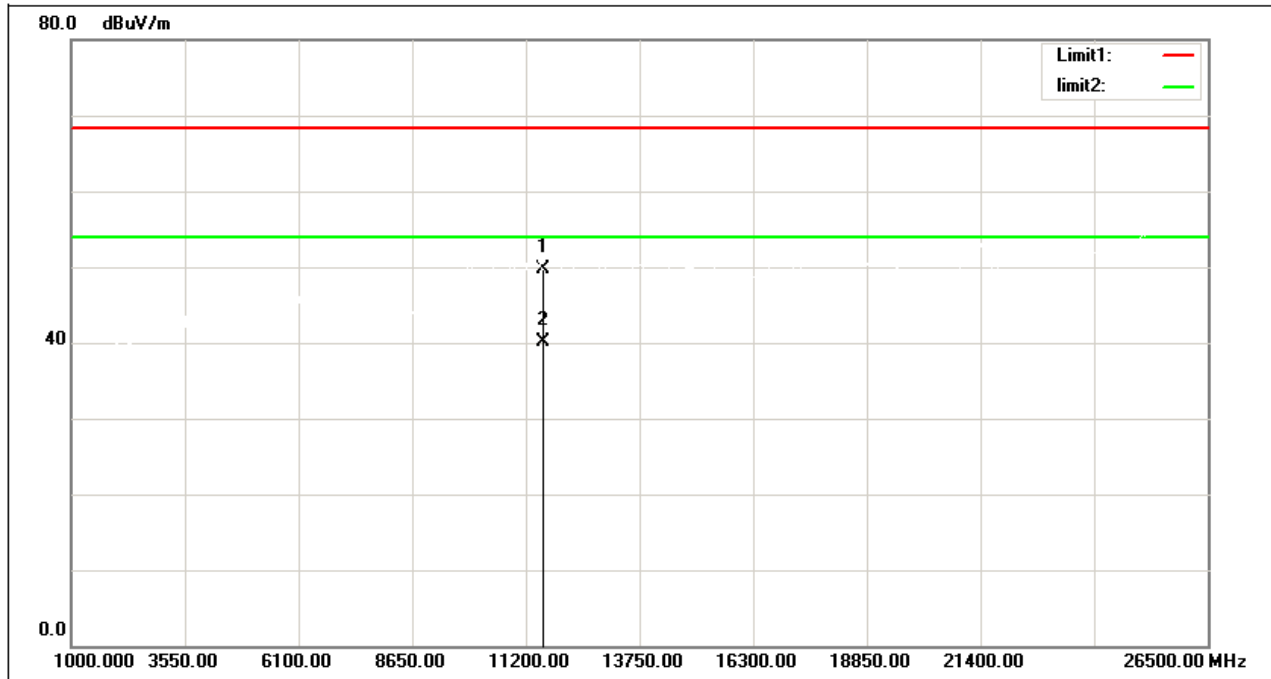


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11590.000          | 41.55               | 8.01                    | 49.56              | 68.30             | -18.74         | peak   |
| 2   | 11590.000          | 32.33               | 8.01                    | 40.34              | 54.00             | -13.66         | AVG    |



|                 |                                  |
|-----------------|----------------------------------|
| Orthogonal Axis | X                                |
| Test Mode       | UNII-3_TX N (HT40) Mode 5795 MHz |

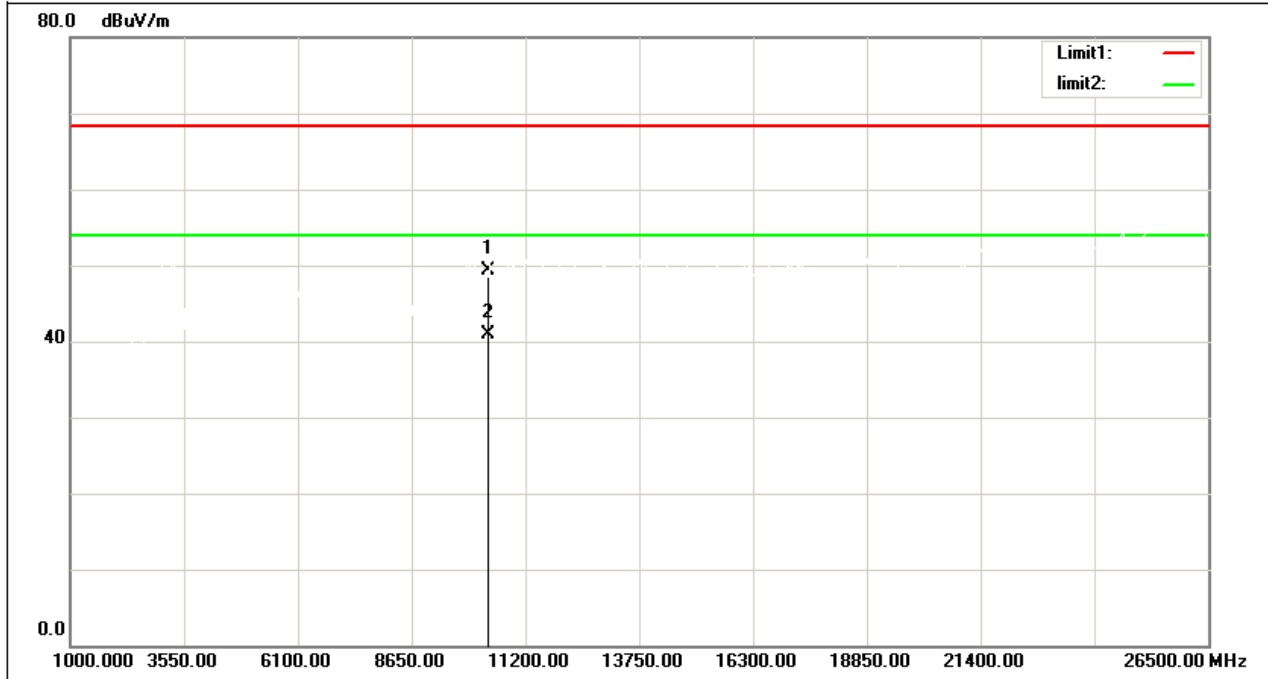
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11590.000          | 41.66               | 8.01                    | 49.67              | 68.30             | -18.63         | peak   |
| 2   | 11590.000          | 32.01               | 8.01                    | 40.02              | 54.00             | -13.98         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT20) Mode 5180 MHz |

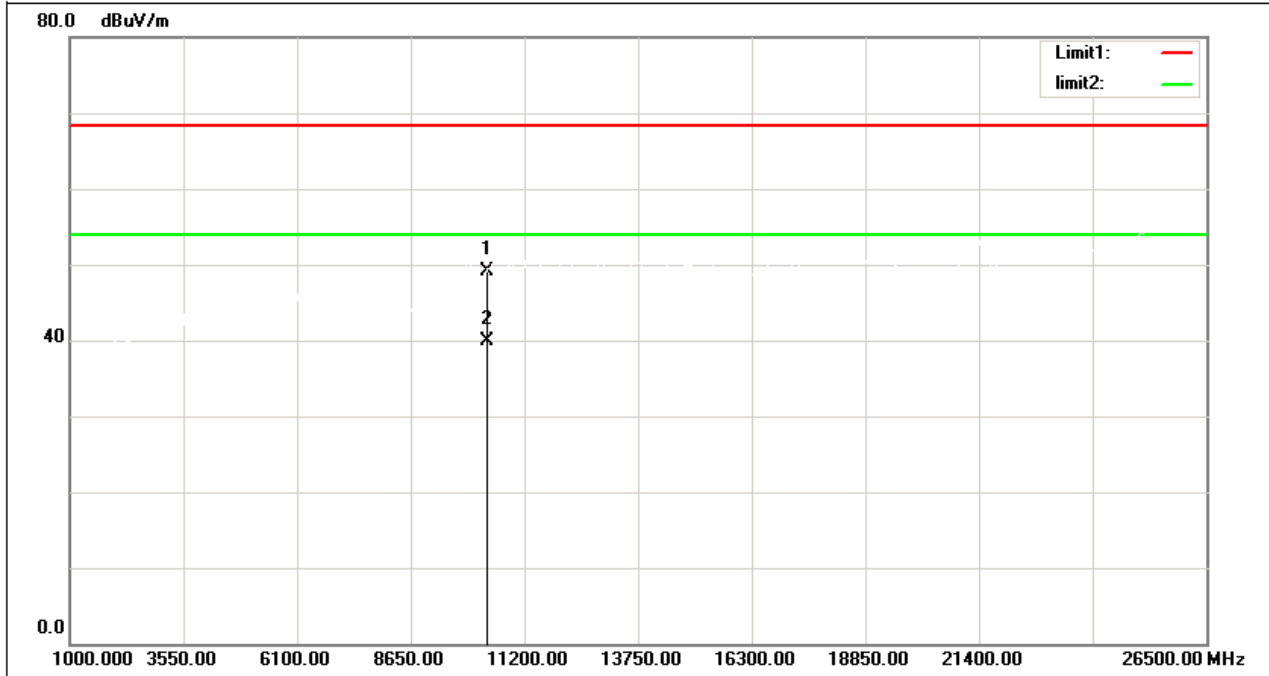
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10360.000          | 43.15               | 6.22                    | 49.37              | 68.30             | -18.93         | peak   |
| 2   | 10360.000          | 34.64               | 6.22                    | 40.86              | 54.00             | -13.14         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT20) Mode 5180 MHz |

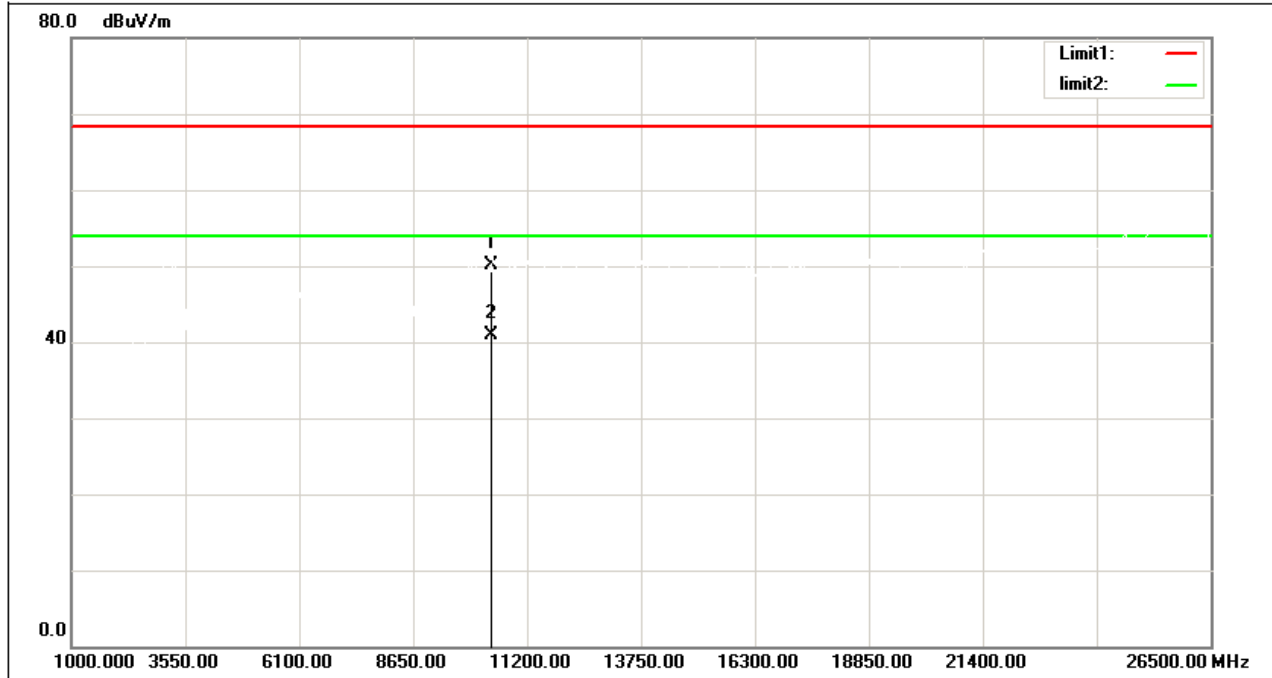
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10360.000          | 42.81               | 6.22                    | 49.03              | 68.30             | -19.27         | peak   |
| 2   | 10360.000          | 33.61               | 6.22                    | 39.83              | 54.00             | -14.17         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT20) Mode 5200 MHz |

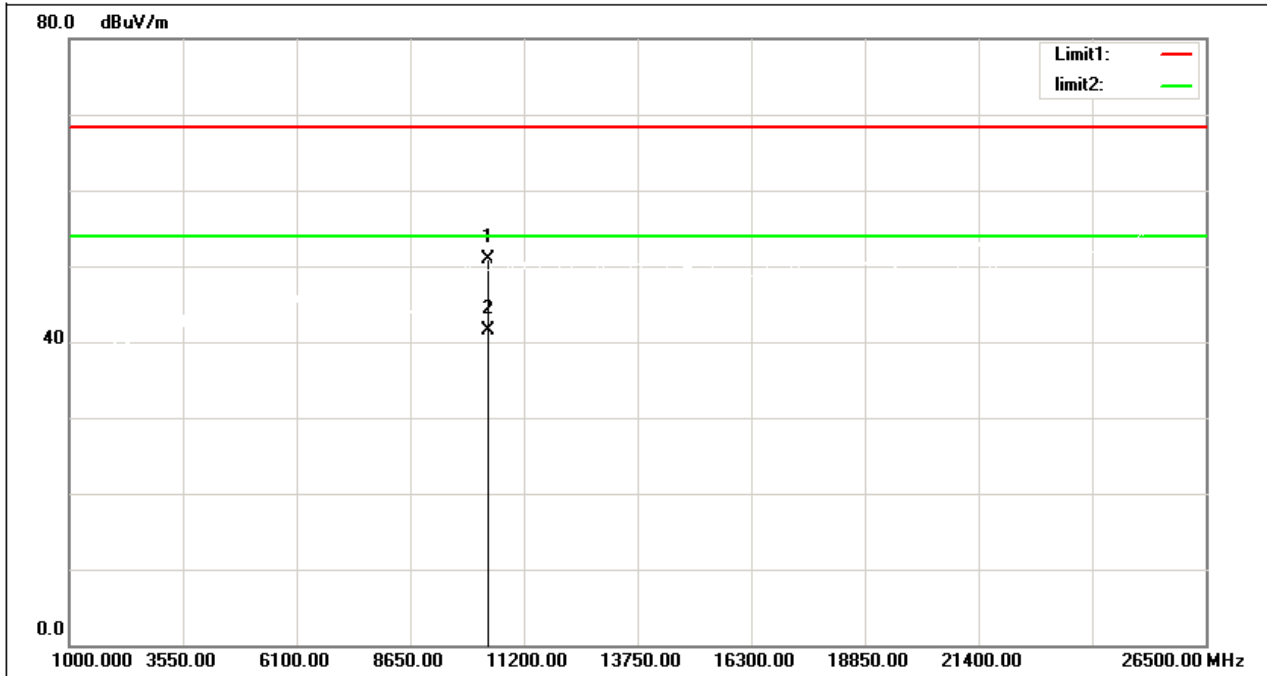
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10400.000          | 43.72               | 6.35                    | 50.07              | 68.30             | -18.23         | peak   |
| 2   | 10400.000          | 34.64               | 6.35                    | 40.99              | 54.00             | -13.01         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT20) Mode 5200 MHz |

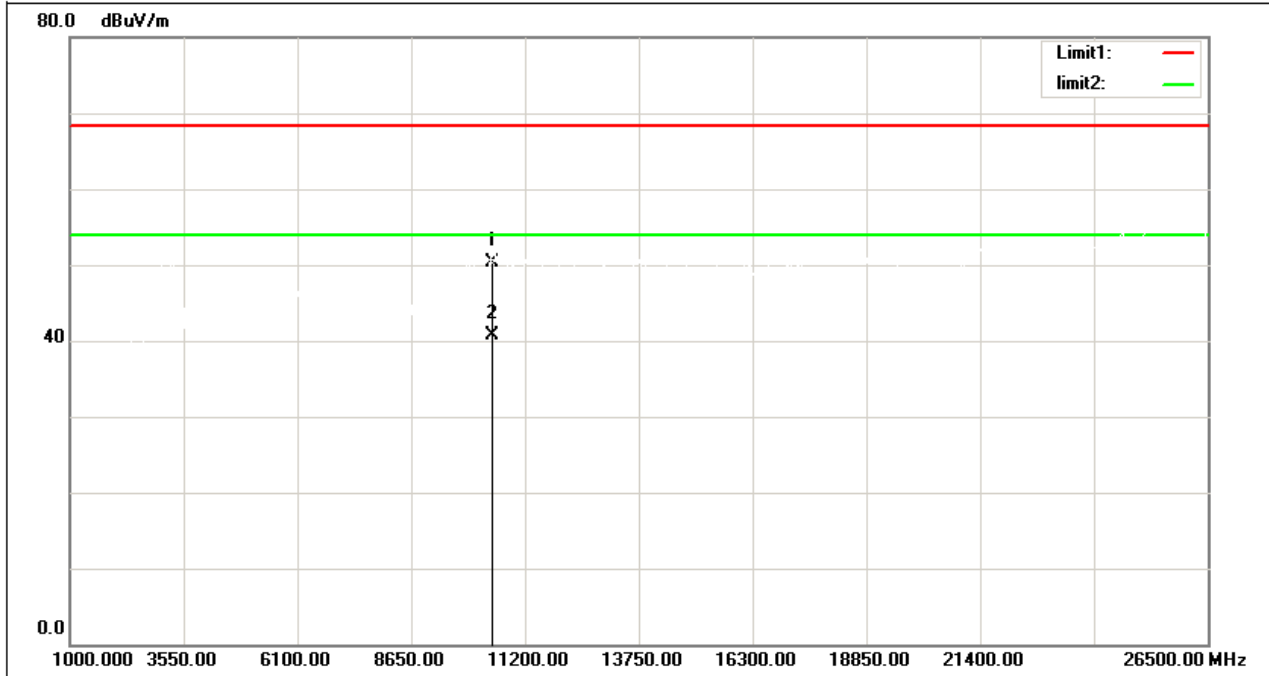
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10400.000          | 44.58               | 6.35                    | 50.93              | 68.30             | -17.37         | peak   |
| 2   | 10400.000          | 35.14               | 6.35                    | 41.49              | 54.00             | -12.51         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT20) Mode 5240 MHz |

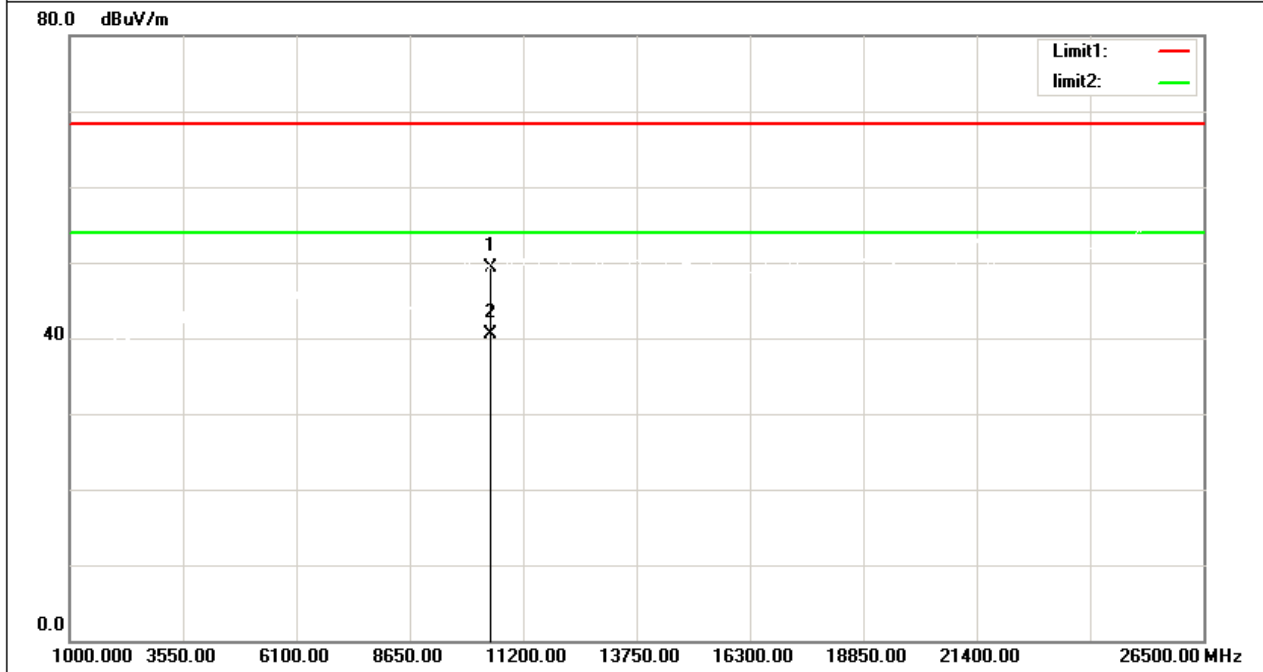
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10480.000          | 43.66               | 6.61                    | 50.27              | 68.30             | -18.03         | peak   |
| 2   | 10480.000          | 34.18               | 6.61                    | 40.79              | 54.00             | -13.21         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT20) Mode 5240 MHz |

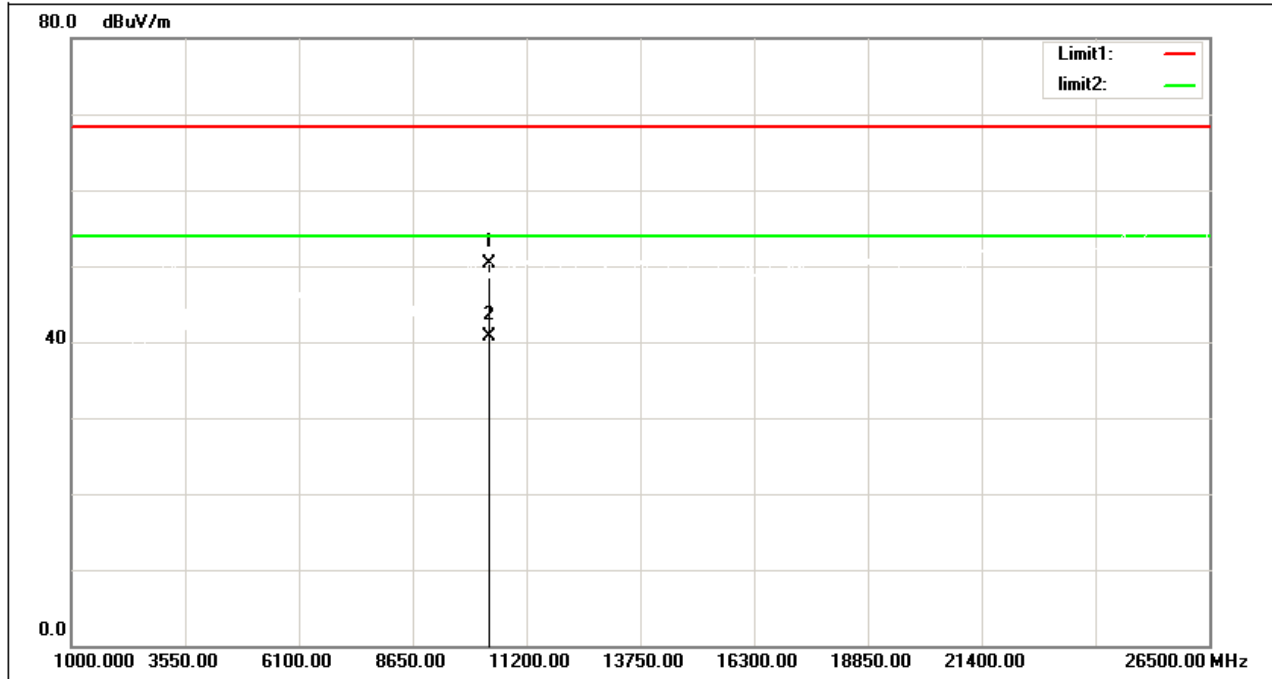
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10480.000          | 42.71               | 6.61                    | 49.32              | 68.30             | -18.98         | peak   |
| 2   | 10480.000          | 33.84               | 6.61                    | 40.45              | 54.00             | -13.55         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT40) Mode 5190 MHz |

## Vertical

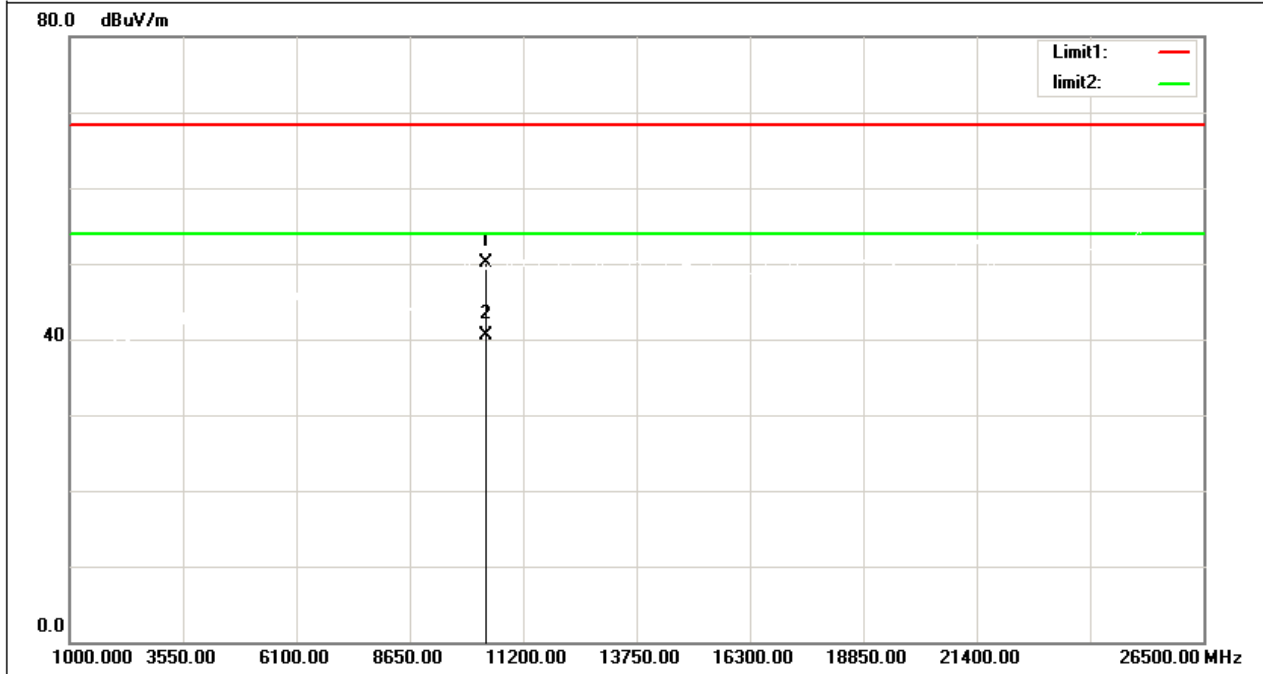


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10380.000          | 43.97               | 6.28                    | 50.25              | 68.30             | -18.05         | peak   |
| 2   | 10380.000          | 34.44               | 6.28                    | 40.72              | 54.00             | -13.28         | AVG    |



|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT40) Mode 5190 MHz |

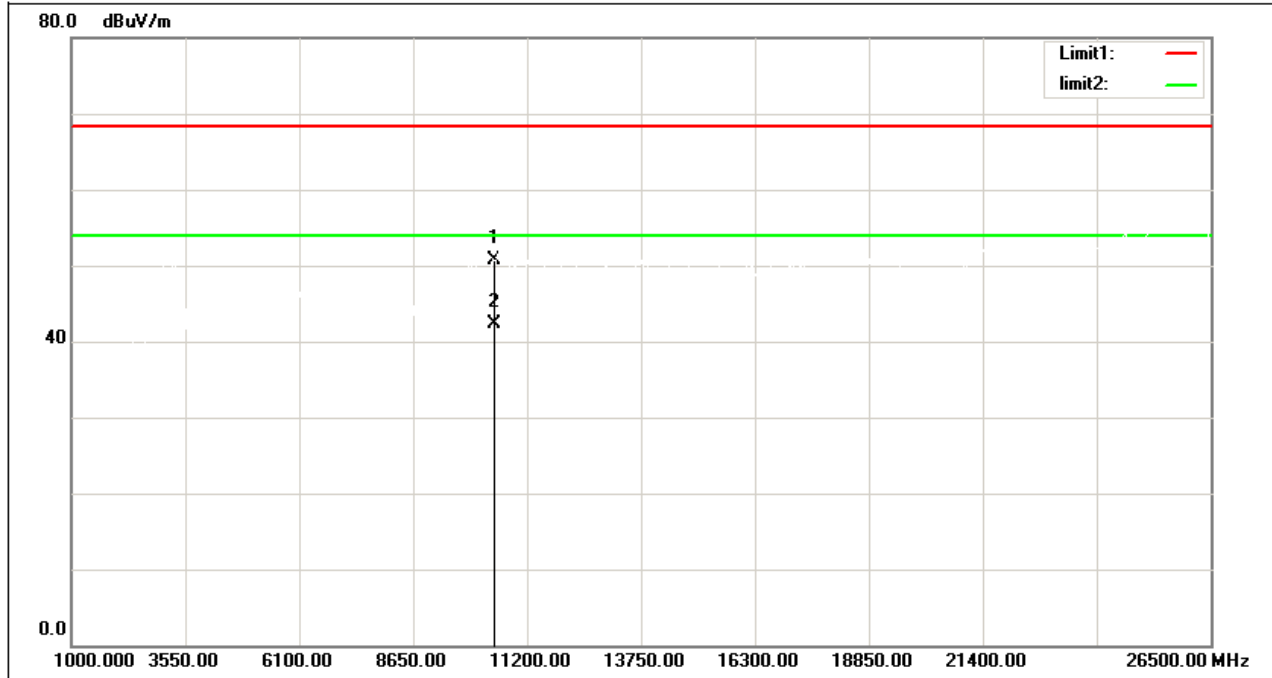
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10380.000          | 43.88               | 6.28                    | 50.16              | 68.30             | -18.14         | peak   |
| 2   | 10380.000          | 34.14               | 6.28                    | 40.42              | 54.00             | -13.58         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT40) Mode 5230 MHz |

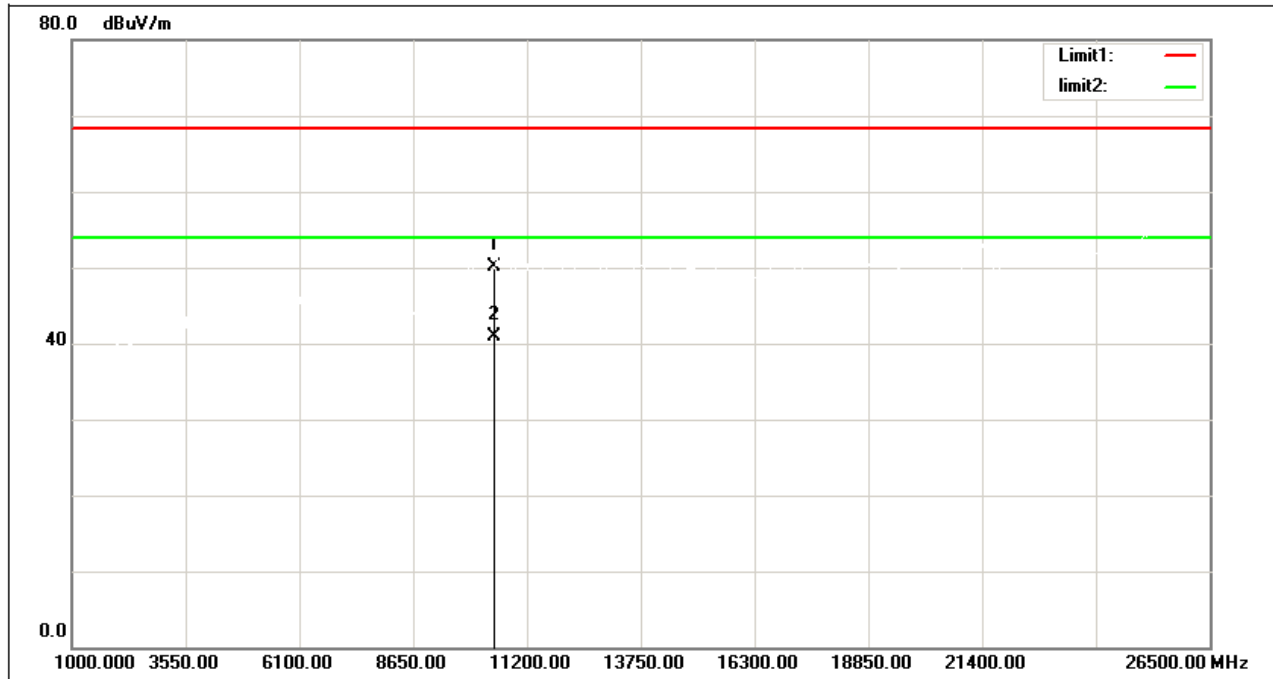
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10460.000          | 44.14               | 6.55                    | 50.69              | 68.30             | -17.61         | peak   |
| 2   | 10460.000          | 35.82               | 6.55                    | 42.37              | 54.00             | -11.63         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT40) Mode 5230 MHz |

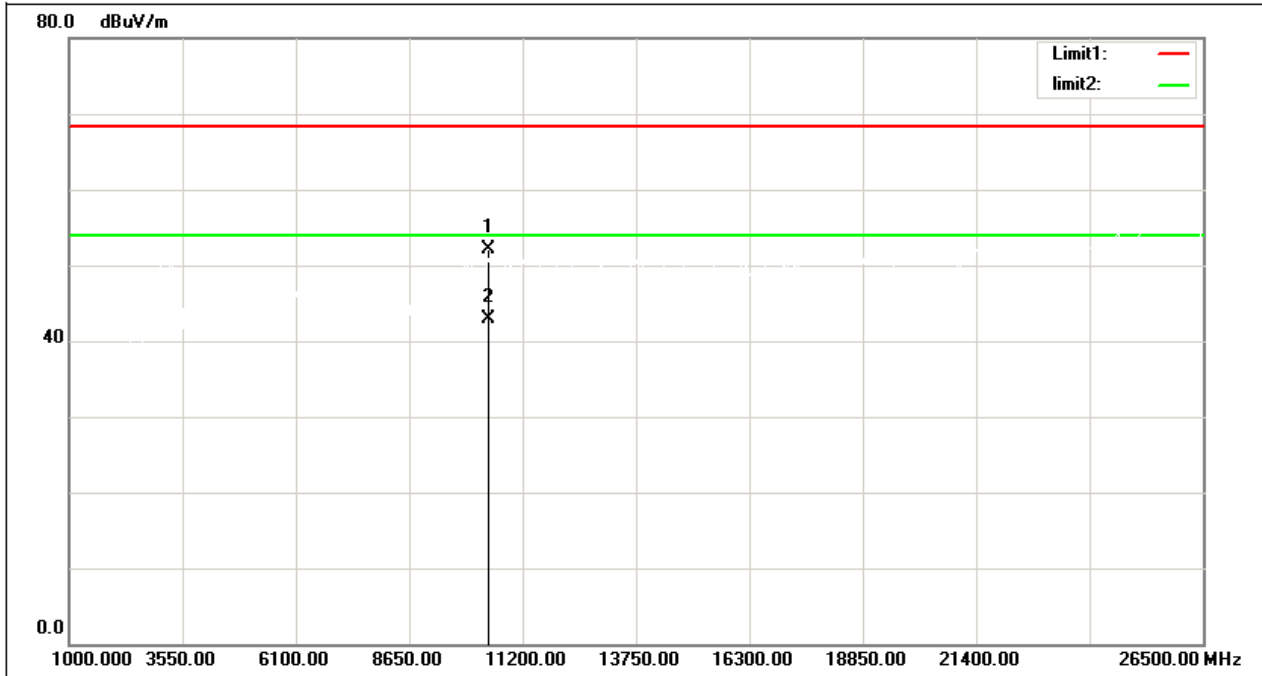
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10460.000          | 43.46               | 6.55                    | 50.01              | 68.30             | -18.29         | peak   |
| 2   | 10460.000          | 34.29               | 6.55                    | 40.84              | 54.00             | -13.16         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT80) Mode 5210 MHz |

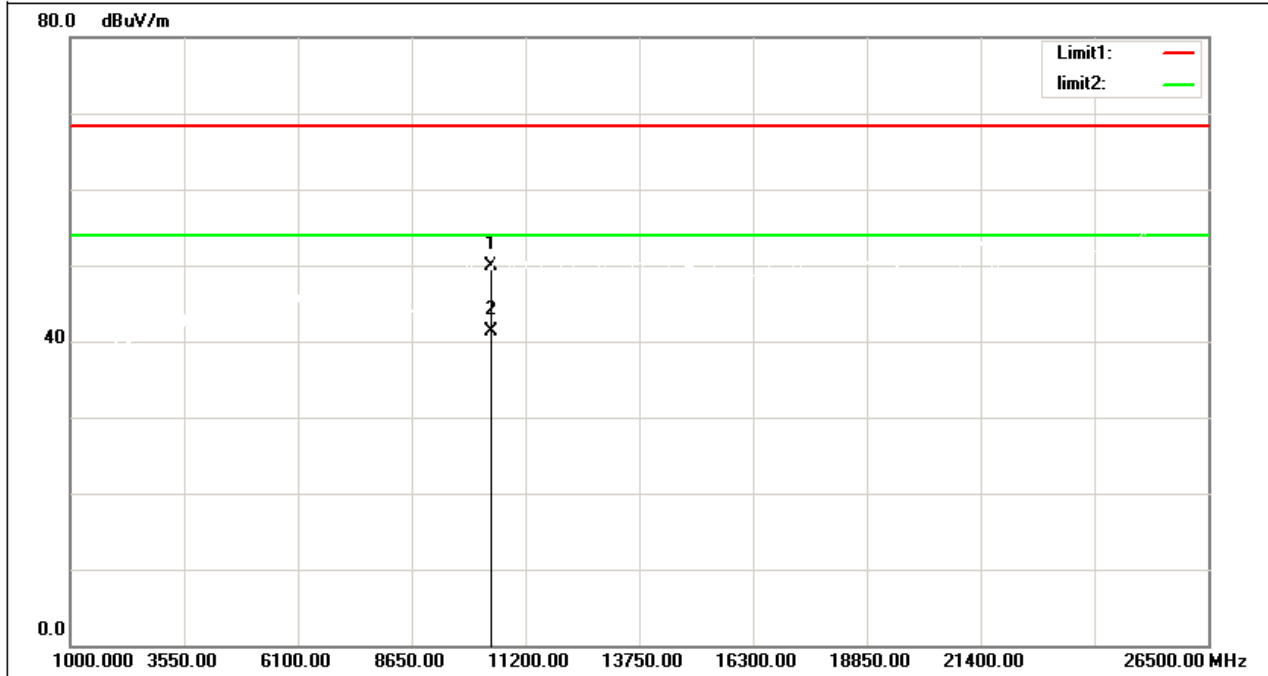
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10420.000          | 45.76               | 6.41                    | 52.17              | 68.30             | -16.13         | peak   |
| 2   | 10420.000          | 36.58               | 6.41                    | 42.99              | 54.00             | -11.01         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT80) Mode 5210 MHz |

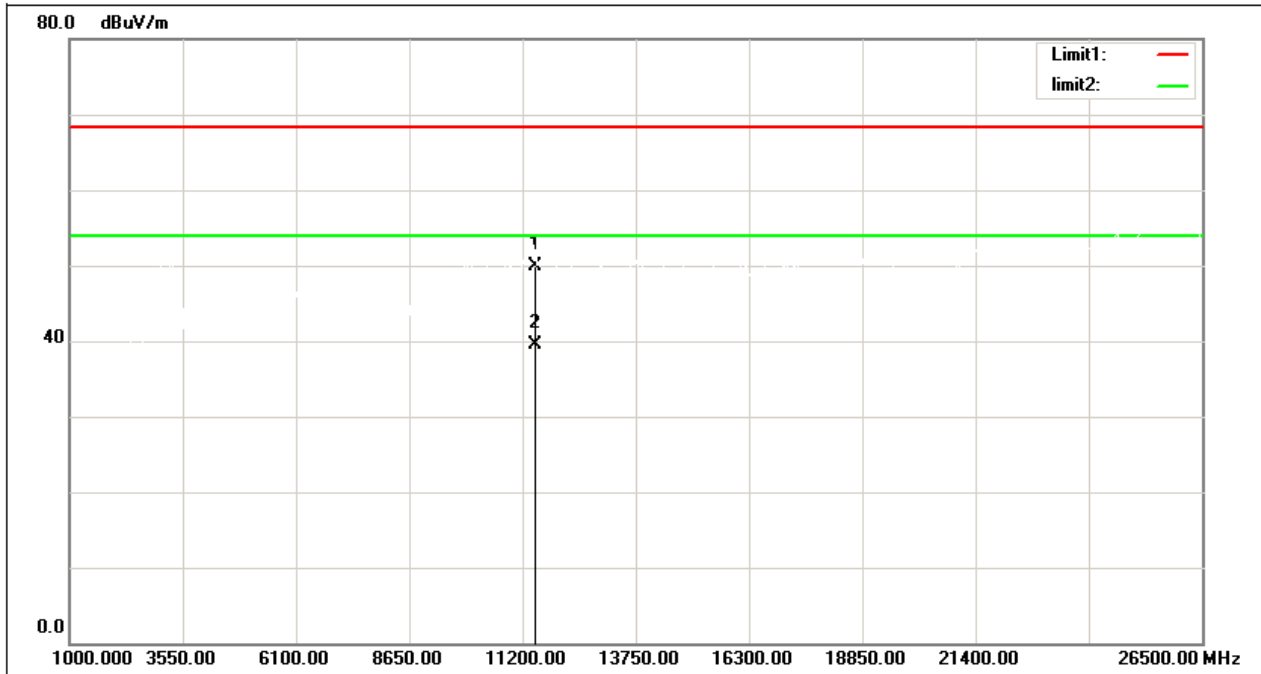
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 10420.000          | 43.45               | 6.41                    | 49.86              | 68.30             | -18.44         | peak   |
| 2   | 10420.000          | 34.87               | 6.41                    | 41.28              | 54.00             | -12.72         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT20) Mode 5745 MHz |

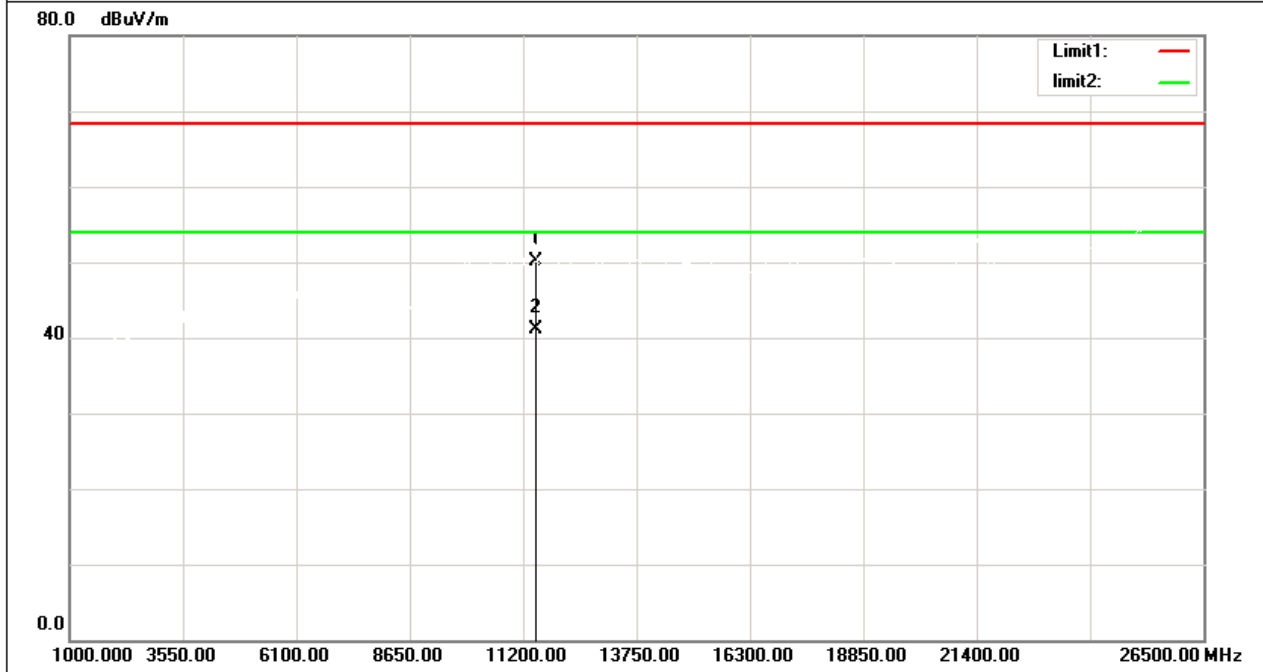
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11490.000          | 41.77               | 8.06                    | 49.83              | 68.30             | -18.47         | peak   |
| 2   | 11490.000          | 31.54               | 8.06                    | 39.60              | 54.00             | -14.40         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT20) Mode 5745 MHz |

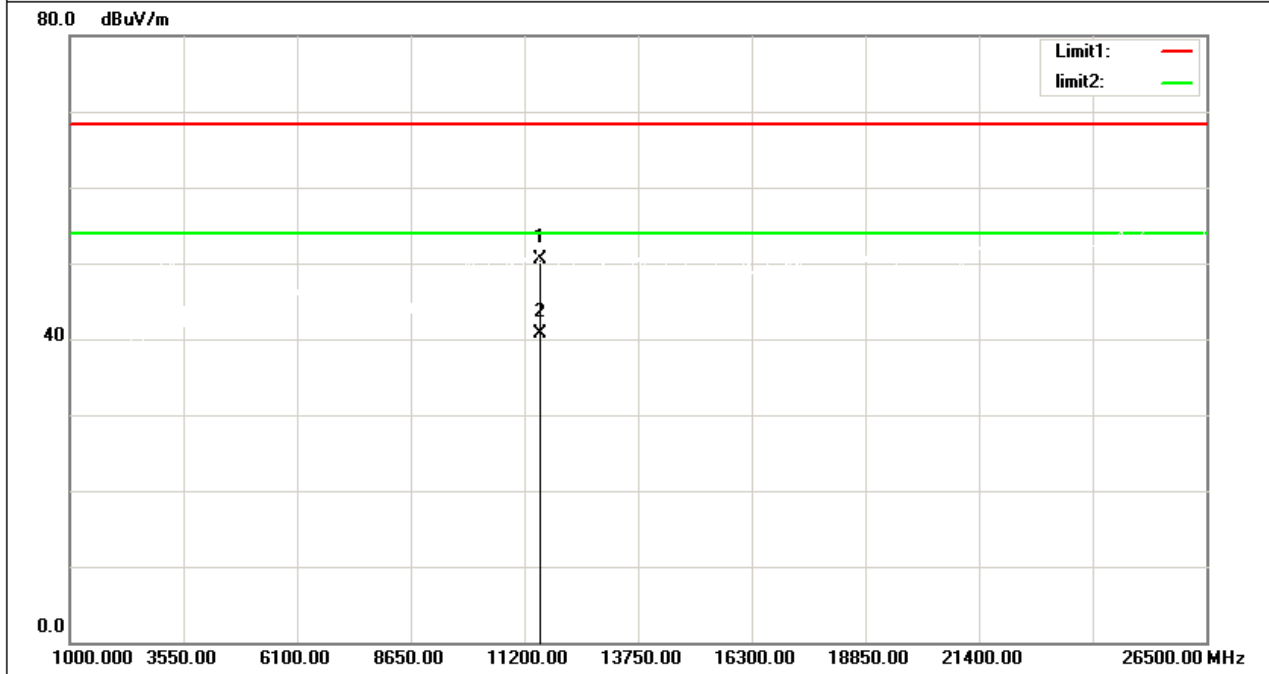
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11490.000          | 42.08               | 8.06                    | 50.14              | 68.30             | -18.16         | peak   |
| 2   | 11490.000          | 33.04               | 8.06                    | 41.10              | 54.00             | -12.90         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT20) Mode 5785 MHz |

## Vertical

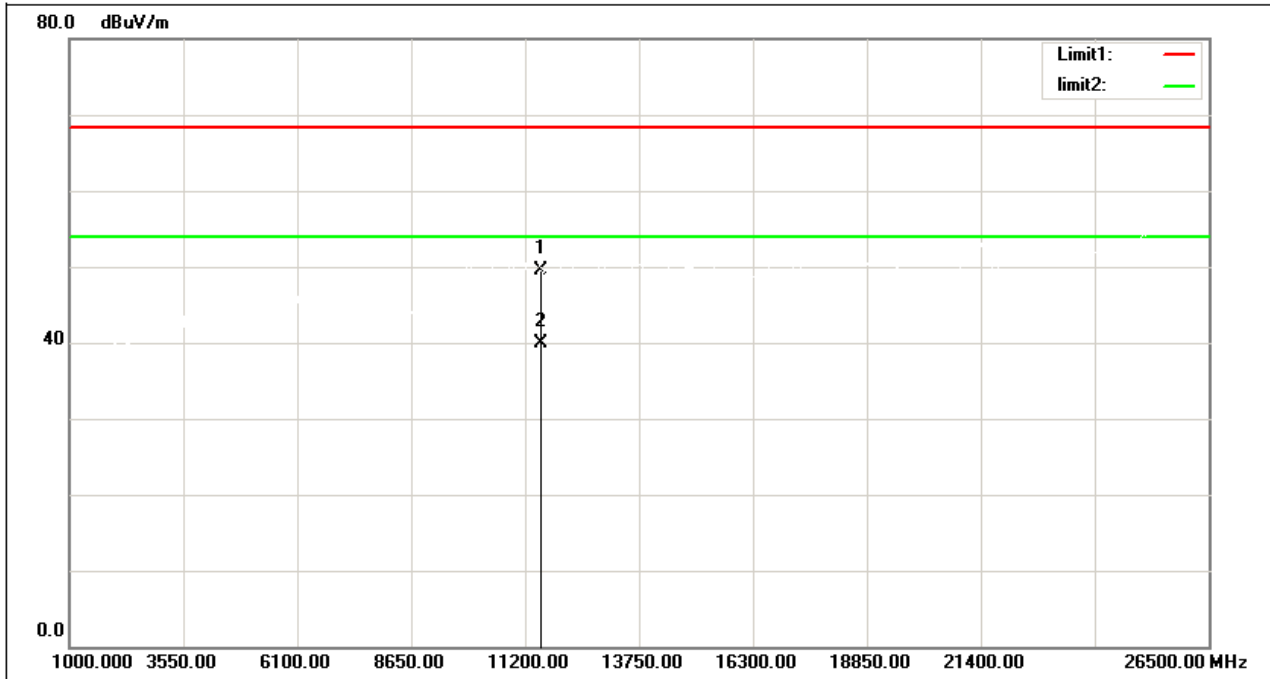


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11570.000          | 42.54               | 8.00                    | 50.54              | 68.30             | -17.76         | peak   |
| 2   | 11570.000          | 32.65               | 8.00                    | 40.65              | 54.00             | -13.35         | AVG    |



|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT20) Mode 5785 MHz |

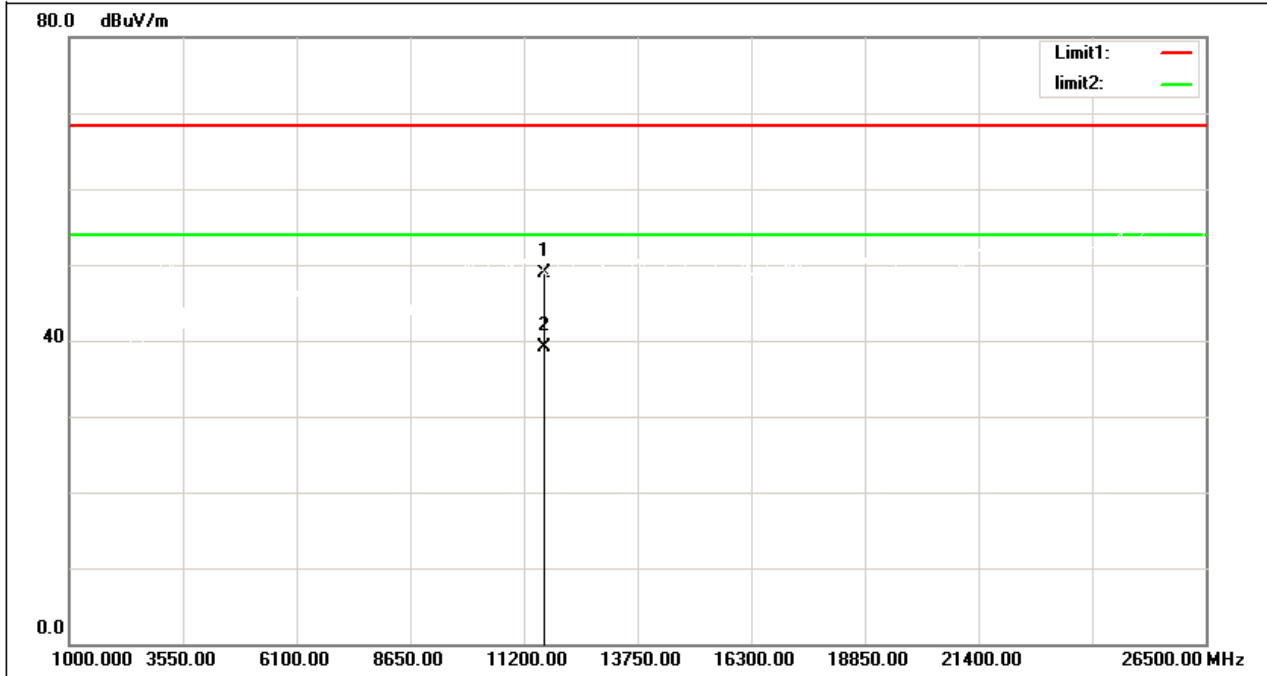
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11570.000          | 41.41               | 8.00                    | 49.41              | 68.30             | -18.89         | peak   |
| 2   | 11570.000          | 31.99               | 8.00                    | 39.99              | 54.00             | -14.01         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT20) Mode 5825 MHz |

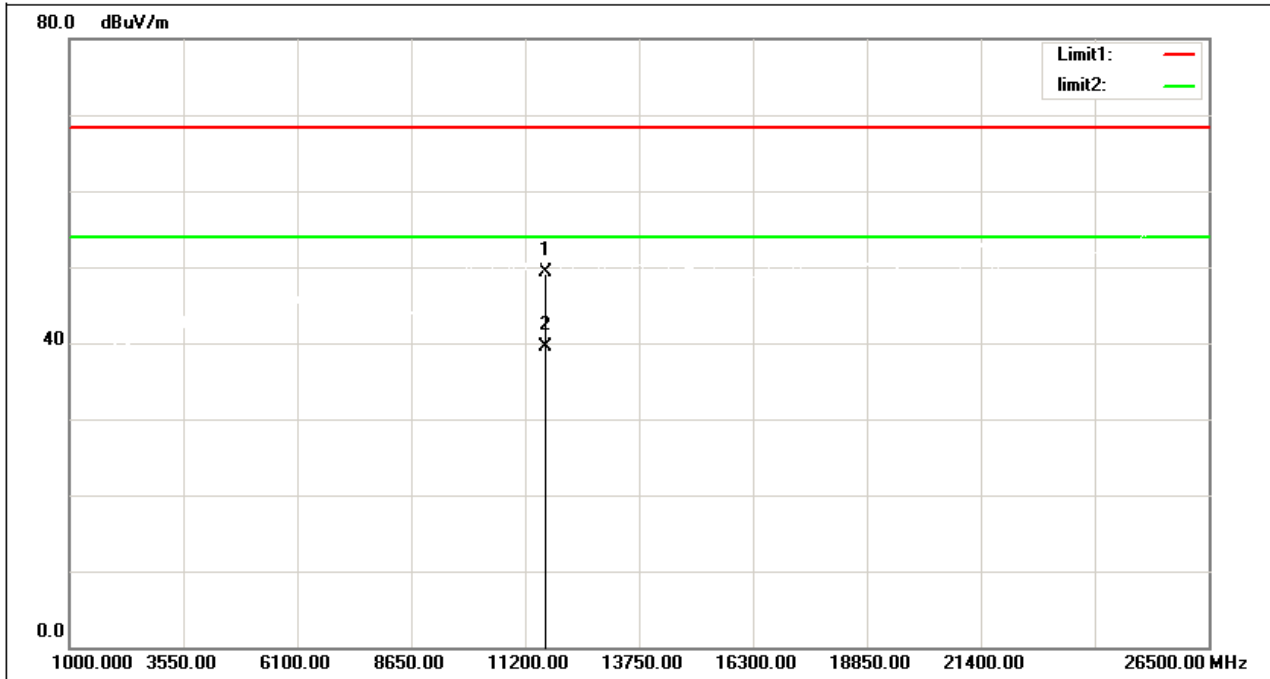
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11650.000          | 40.99               | 7.97                    | 48.96              | 68.30             | -19.34         | peak   |
| 2   | 11650.000          | 31.05               | 7.97                    | 39.02              | 54.00             | -14.98         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT20) Mode 5825 MHz |

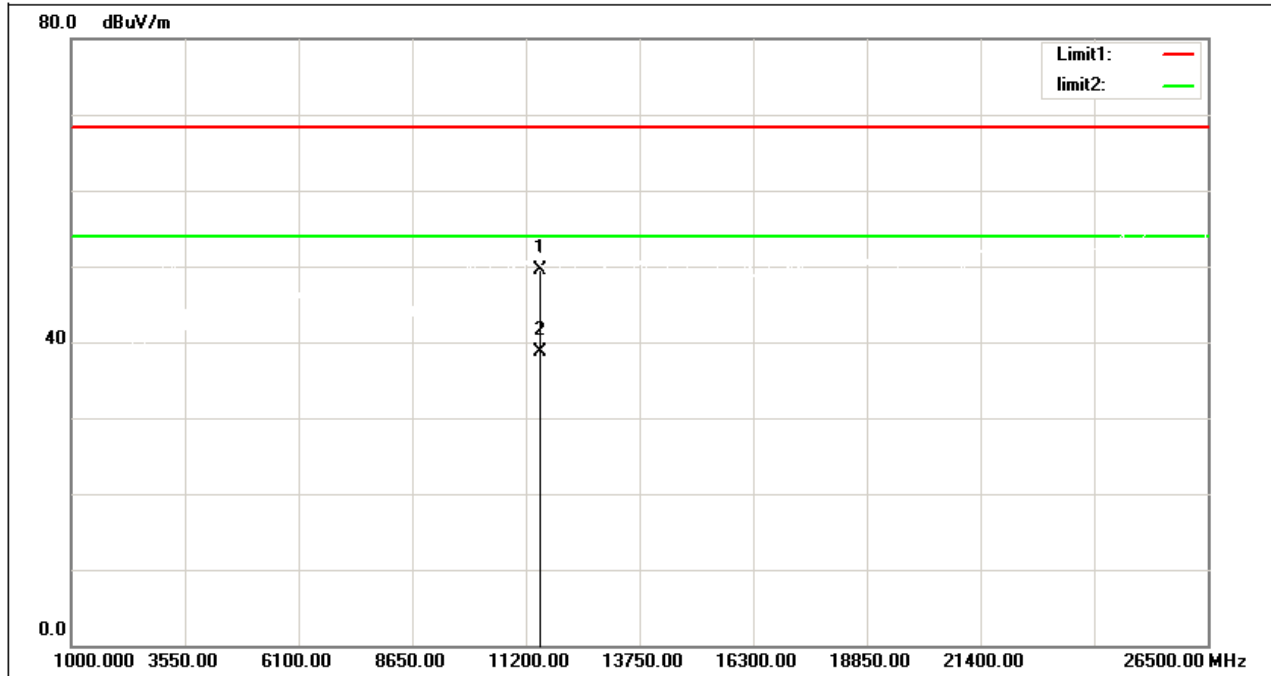
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11650.000          | 41.34               | 7.97                    | 49.31              | 68.30             | -18.99         | peak   |
| 2   | 11650.000          | 31.56               | 7.97                    | 39.53              | 54.00             | -14.47         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT40) Mode 5755 MHz |

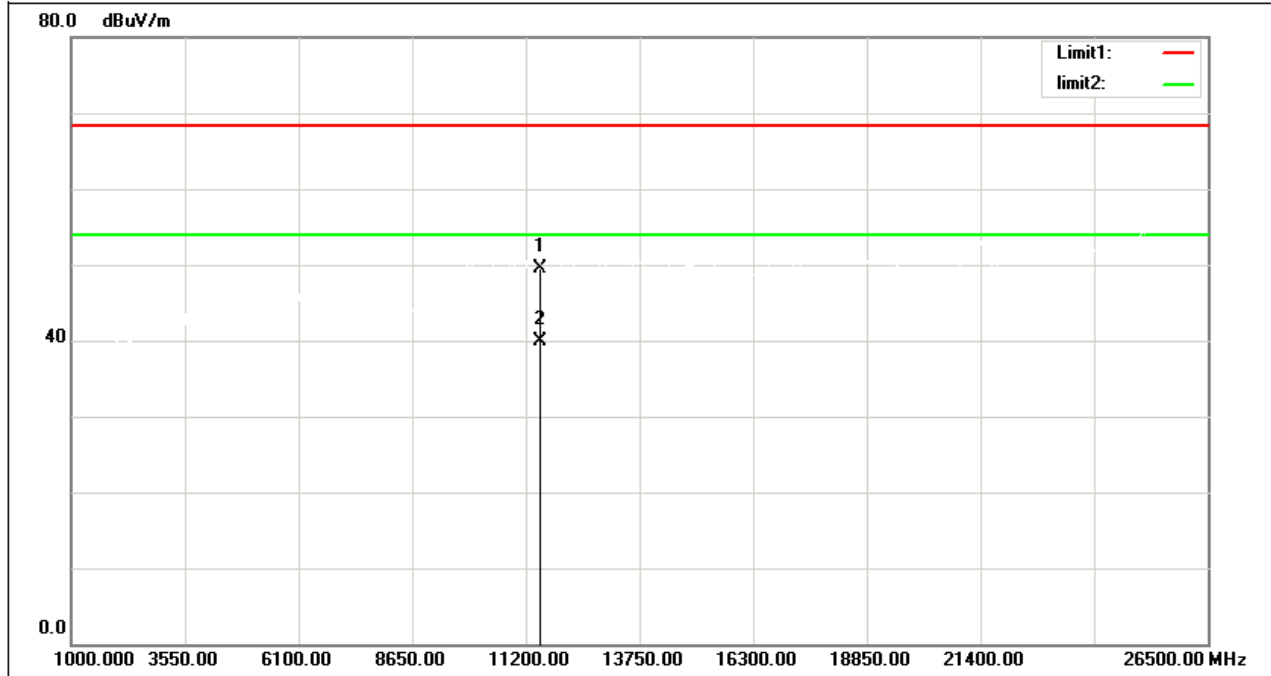
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11510.000          | 41.38               | 8.04                    | 49.42              | 68.30             | -18.88         | peak   |
| 2   | 11510.000          | 30.64               | 8.04                    | 38.68              | 54.00             | -15.32         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT40) Mode 5755 MHz |

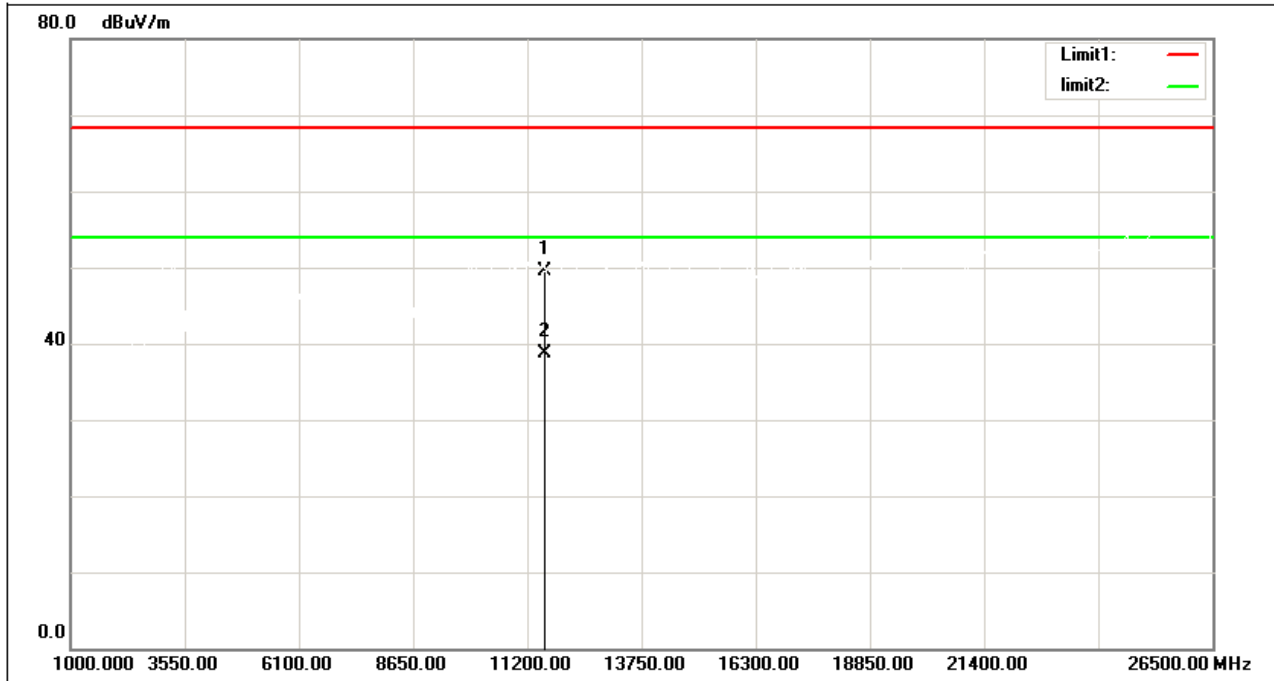
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11510.000          | 41.54               | 8.04                    | 49.58              | 68.30             | -18.72         | peak   |
| 2   | 11510.000          | 31.88               | 8.04                    | 39.92              | 54.00             | -14.08         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT40) Mode 5795 MHz |

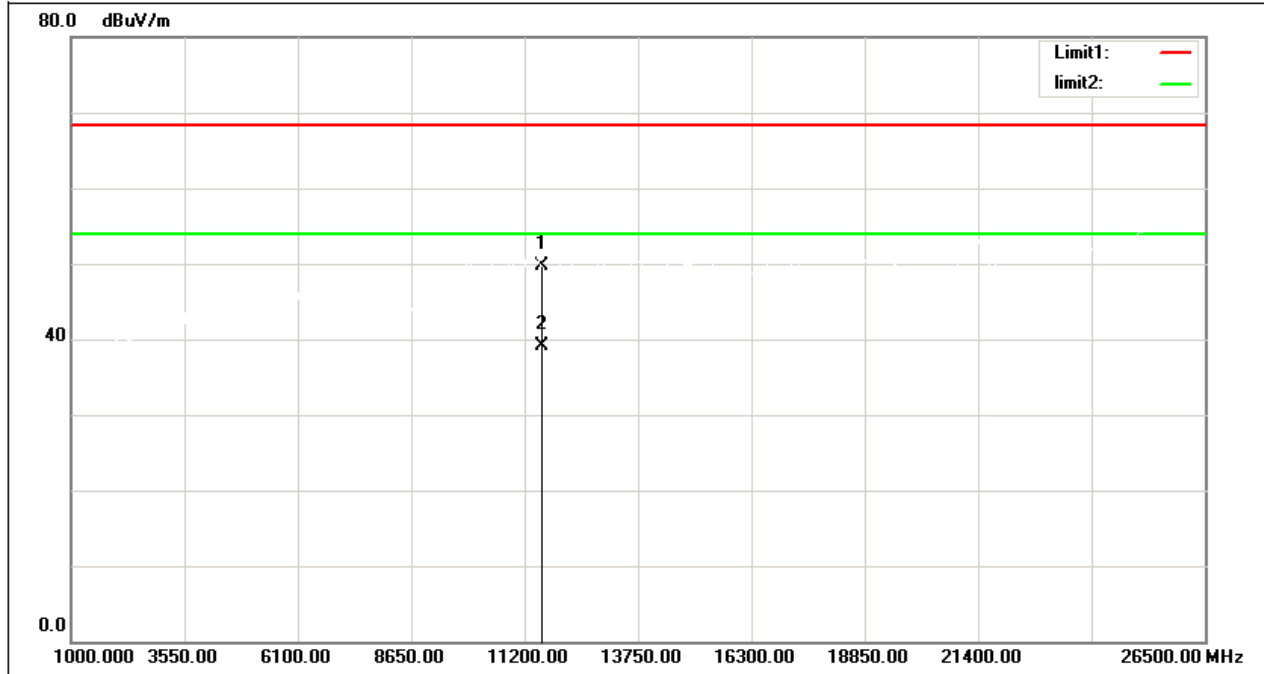
## Vertical



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11590.000          | 41.55               | 8.01                    | 49.56              | 68.30             | -18.74         | peak   |
| 2   | 11590.000          | 30.79               | 8.01                    | 38.80              | 54.00             | -15.20         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT40) Mode 5795 MHz |

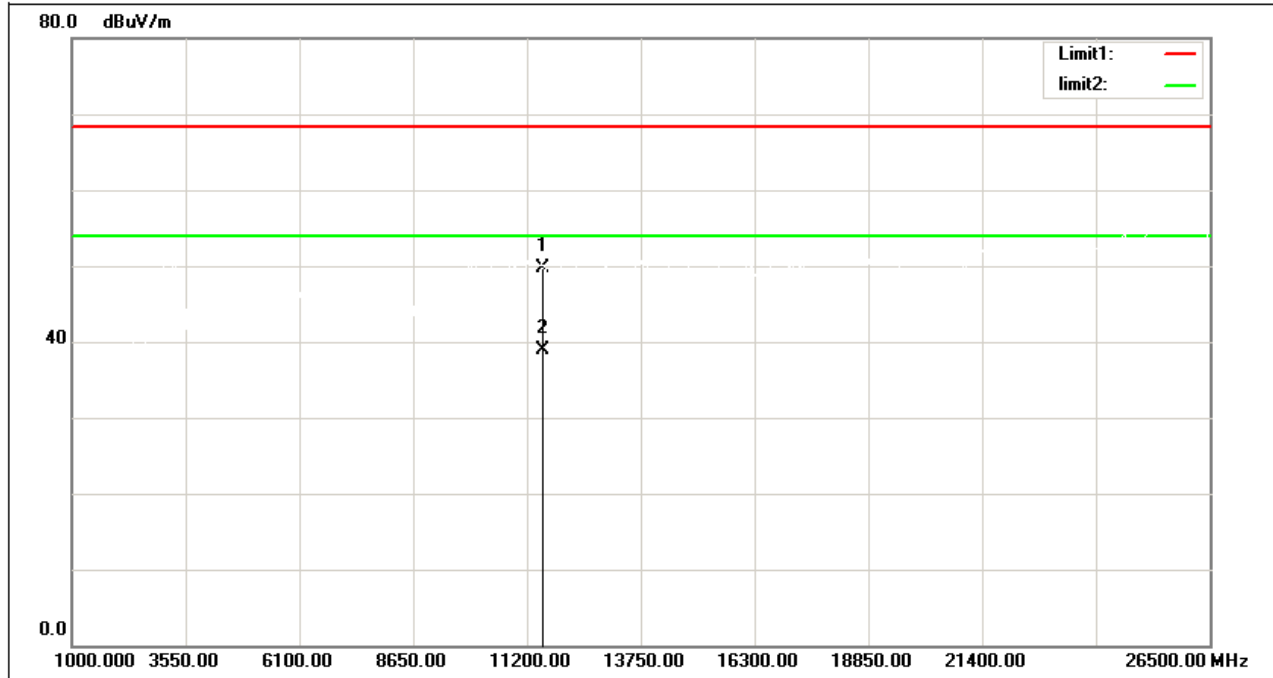
## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11590.000          | 41.64               | 8.01                    | 49.65              | 68.30             | -18.65         | peak   |
| 2   | 11590.000          | 31.00               | 8.01                    | 39.01              | 54.00             | -14.99         | AVG    |

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT80) Mode 5775 MHz |

## Vertical

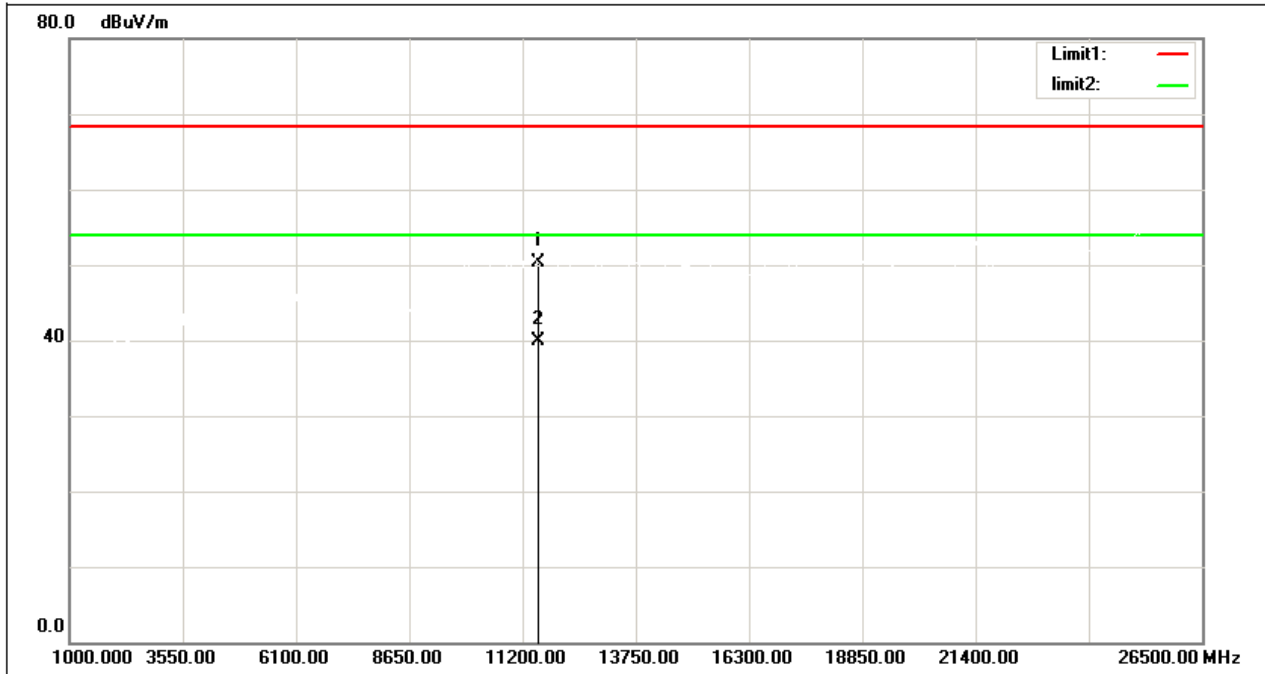


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11550.000          | 41.66               | 8.02                    | 49.68              | 68.30             | -18.62         | peak   |
| 2   | 11550.000          | 30.87               | 8.02                    | 38.89              | 54.00             | -15.11         | AVG    |



|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-3_TX AC (VHT80) Mode 5775 MHz |

## Horizontal



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 11550.000          | 42.34               | 8.02                    | 50.36              | 68.30             | -17.94         | peak   |
| 2   | 11550.000          | 31.85               | 8.02                    | 39.87              | 54.00             | -14.13         | AVG    |

## 6.BANDWIDTH TEST

### 6.1.LIMIT

| FCC Part15, Subpart E (15.407)<br>RSS-Gen and RSS-247        |                 |                 |                       |
|--------------------------------------------------------------|-----------------|-----------------|-----------------------|
| Section                                                      | Test Item       | Limit           | Frequency Range (MHz) |
| 15.407(a)<br>15.407(e)<br>RSS-247 6.2.1.1<br>RSS-247 6.2.4.1 | 26 dB Bandwidth | -               | 5150-5250             |
|                                                              | 6dB Bandwidth   | Minimum 500 kHz | 5725-5850             |

### 6.2.TEST PROCEDURE AND SETTING

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below
- b. Spectrum Setting:  
For UNII-1:

| Spectrum Parameter | Setting                                                           |
|--------------------|-------------------------------------------------------------------|
| Attenuation        | Auto                                                              |
| Span Frequency     | > 26dB Bandwidth                                                  |
| RBW                | 300 kHz (Bandwidth 20 MHz)<br>1 MHz (Bandwidth 40 MHz and 80 MHz) |
| VBW                | 1 MHz (Bandwidth 20 MHz)<br>3 MHz (Bandwidth 40 MHz and 80 MHz)   |
| Detector           | Peak                                                              |
| Trace              | Max Hold                                                          |
| Sweep Time         | Auto                                                              |

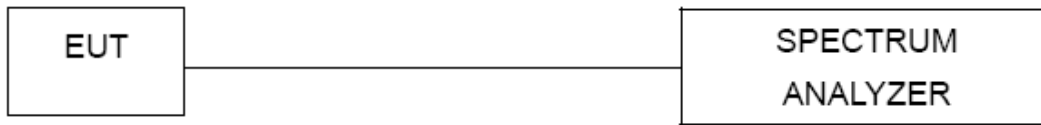
For UNII-3:

| Spectrum Parameter | Setting       |
|--------------------|---------------|
| Attenuation        | Auto          |
| Span Frequency     | 6dB Bandwidth |
| RBW                | 100 kHz       |
| VBW                | 300 kHz       |
| Detector           | Peak          |
| Trace              | Max Hold      |
| Sweep Time         | Auto          |

- c. Measured the spectrum width with power higher than 26dB / 6dB below carrier.

### 6.3.MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer  | Type No.    | Serial No. | Calibrated until |
|------|-------------------|---------------|-------------|------------|------------------|
| 1    | Spectrum analyzer | KEYSIGHT      | N9010A      | MY55150427 | 2022/05/23       |
| 2    | Attenuator        | Mini-Circuits | BW-S10W2    | 101109     | N/A              |
| 3    | RF Cable          | Mi-cable      | C10-01-01-1 | 100309     | N/A              |

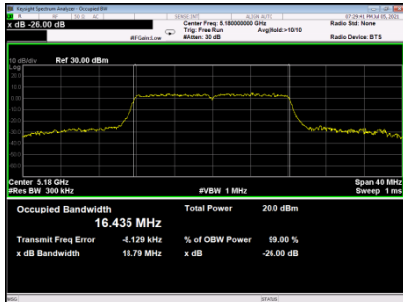
**6.4.TEST SETUP****6.5.EUT OPERATION CONDITIONS**

The EUT was programmed to be in continuously transmitting mode.

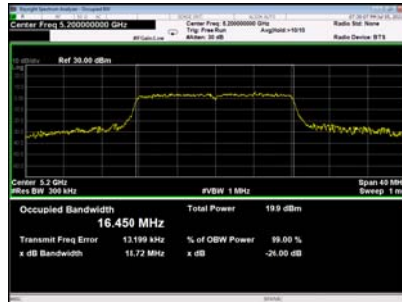
## 6.6. TEST RESULTS

| UNII-1_TX A Mode |                 |                       |                               |
|------------------|-----------------|-----------------------|-------------------------------|
| Channel          | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
| 36               | 5180            | 18.79                 | 16.435                        |
| 40               | 5200            | 18.72                 | 16.450                        |
| 48               | 5240            | 18.71                 | 16.437                        |

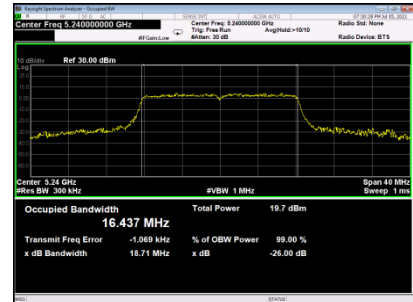
CH36



CH40

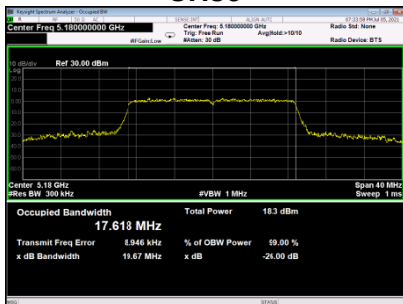


CH48

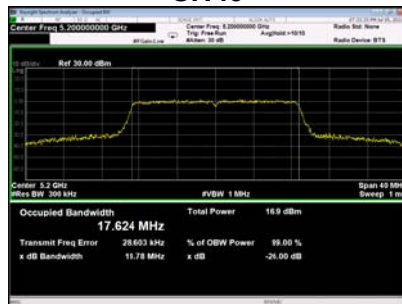


| UNII-1_TX N (HT20) Mode |                 |                       |                               |
|-------------------------|-----------------|-----------------------|-------------------------------|
| Channel                 | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
| 36                      | 5180            | 19.67                 | 17.618                        |
| 40                      | 5200            | 19.78                 | 17.624                        |
| 48                      | 5240            | 19.70                 | 17.609                        |

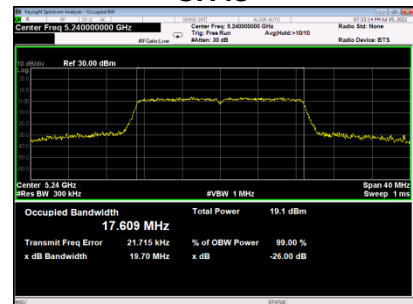
CH36



CH40

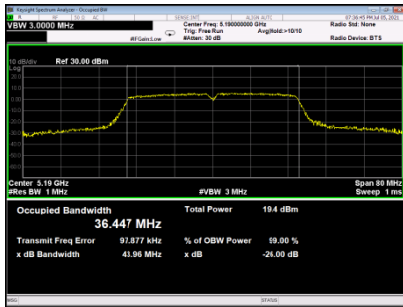


CH48

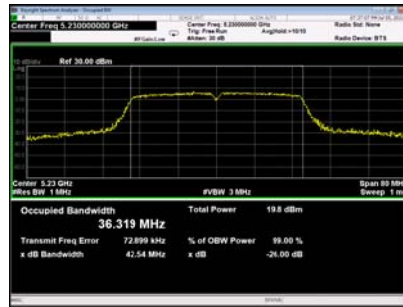


| UNII-1_TX N (HT40) Mode |                 |                       |                               |
|-------------------------|-----------------|-----------------------|-------------------------------|
| Channel                 | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
| 38                      | 5190            | 43.96                 | 36.447                        |
| 46                      | 5230            | 42.54                 | 36.319                        |

CH38

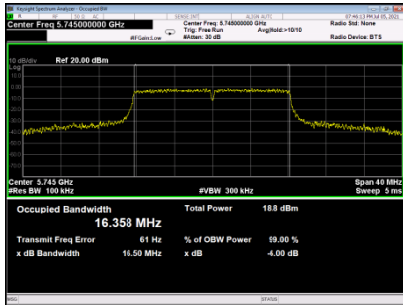


CH46

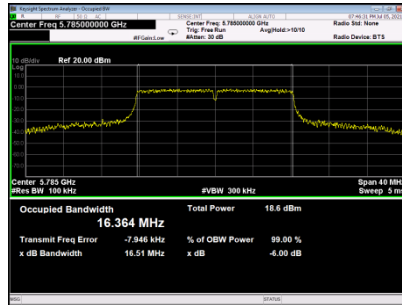


| UNII-3 TX A Mode |                 |                      |                             |                               |        |
|------------------|-----------------|----------------------|-----------------------------|-------------------------------|--------|
| Channel          | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% Emission Bandwidth(MHz) | 6dB Bandwidth Min. Limit(kHz) | Result |
| 149              | 5745            | 16.50                | 16.441                      | 500                           | PASS   |
| 157              | 5785            | 16.51                | 16.468                      | 500                           | PASS   |
| 165              | 5825            | 16.50                | 16.465                      | 500                           | PASS   |

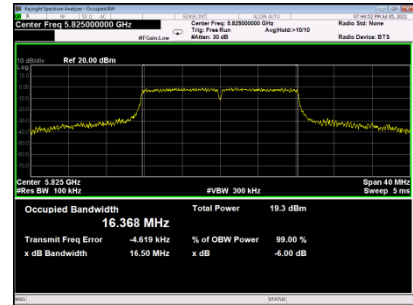
CH149



6 dB Bandwidth  
CH157

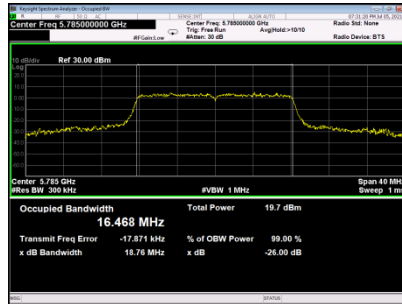
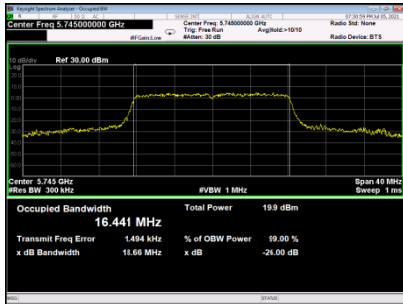


CH165

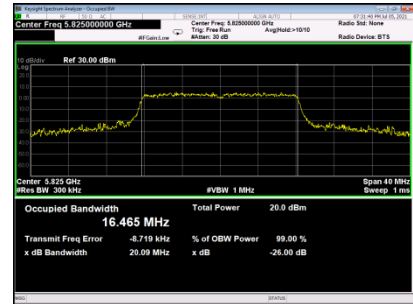


99% Emission Bandwidth  
CH157

CH149

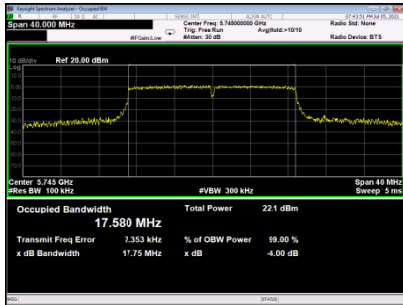


CH165

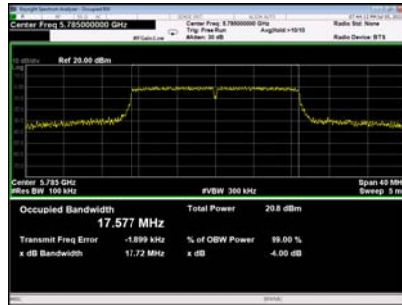


| UNII-3_TX N (HT20) Mode |                 |                      |                             |                               |        |
|-------------------------|-----------------|----------------------|-----------------------------|-------------------------------|--------|
| Channel                 | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% Emission Bandwidth(MHz) | 6dB Bandwidth Min. Limit(kHz) | Result |
| 149                     | 5745            | 17.75                | 17.617                      | 500                           | PASS   |
| 157                     | 5785            | 17.72                | 17.634                      | 500                           | PASS   |
| 165                     | 5825            | 17.74                | 17.609                      | 500                           | PASS   |

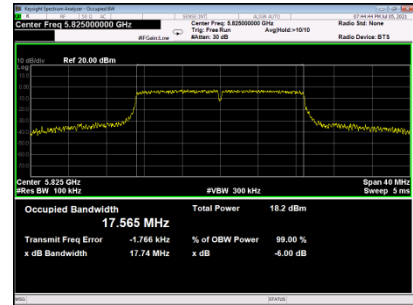
CH149



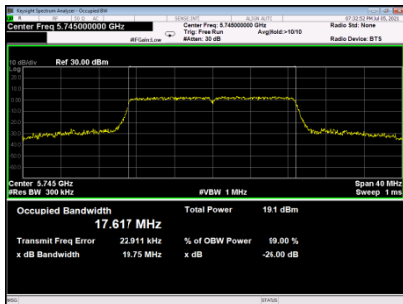
6 dB Bandwidth  
CH157



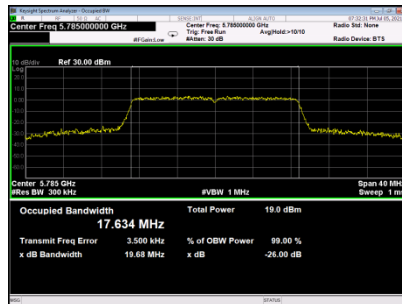
CH165



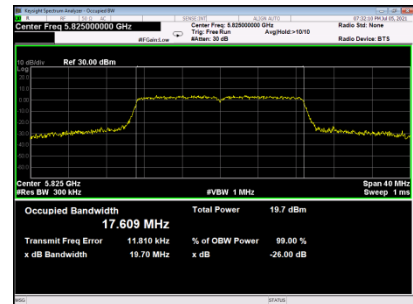
CH149



99% Emission Bandwidth  
CH157



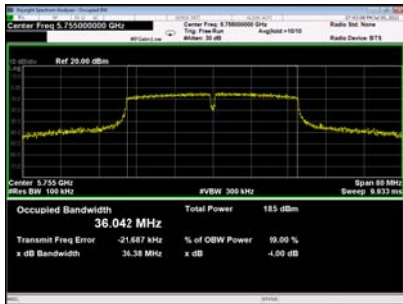
CH165



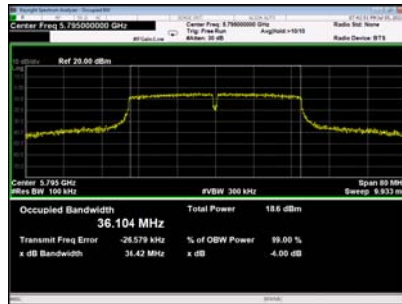
| UNII-3_TX N (HT40) Mode |                 |                      |                             |                               |        |
|-------------------------|-----------------|----------------------|-----------------------------|-------------------------------|--------|
| Channel                 | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99% Emission Bandwidth(MHz) | 6dB Bandwidth Min. Limit(kHz) | Result |
| 151                     | 5755            | 36.38                | 36.220                      | 500                           | PASS   |
| 159                     | 5795            | 36.42                | 36.369                      | 500                           | PASS   |

## 6 dB Bandwidth

CH151

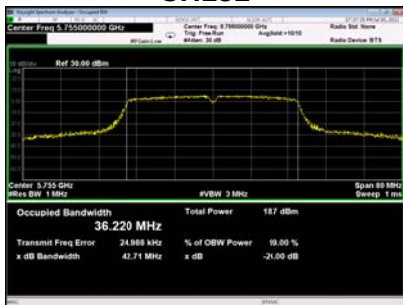


CH159



## 99% Emission Bandwidth

CH151



CH159

