

# FCC Radio Test Report

## FCC ID: M82-FWA1012VC

This report concerns: Original Grant

**Project No.** : 1807T071  
**Equipment** : Network Security Platform  
**Test Model** : FWA-1012VC  
**Series Model** : FWA-1012VCXXXXXXXXXXXXXXXXXX (where X may be any alphanumeric character , blank or "-".)  
**Applicant** : Advantech Co., Ltd.  
**Address** : No.1, Alley 20, Lane 26, Rueiguang Road, Neihu District, Taipei 11491, Taiwan, R.O.C.

**Date of Receipt** : Aug. 02, 2018  
**Date of Test** : Aug. 02, 2018 ~ Sep. 04, 2018  
**Issued Date** : Sep. 05, 2018  
**Tested by** : BTL Inc.

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### **Limitation**

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

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## REPORT ISSUED HISTORY

| Issue No.           | Description     | Issued Date   |
|---------------------|-----------------|---------------|
| BTL-FCCP-2-1807T071 | Original Issue. | Sep. 05, 2018 |

## 1 CERTIFICATION

Equipment : Network Security Platform  
Brand Name : ADVANTECH  
Test Model : FWA-1012VC  
Series Model : FWA-1012VCXXXXXXXXXXXXXXXXX (where X may be any alphanumeric character , blank or "-".)  
Applicant : Advantech Co., Ltd.  
Manufacturer : Advantech Co., Ltd.  
Address : No.1, Alley 20, Lane 26, Rueiguang Road, Neihu District, Taipei 11491, Taiwan, R.O.C.  
Date of Test : Aug. 02, 2018 ~ Sep. 04, 2018  
Test Sample : Production Unit  
Standard(s) : FCC Part15, Subpart E (§15.407)  
ANSI C63.10-2013

The above equipment has been tested and found in compliance with the requirement of the relative standards by BTL Inc.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-2-1807T071) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

**Test results included in this report is only for the RLAN 5GHz UNII-1 & UNII-3 part.**

## 2 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

| FCC Part15, Subpart E (§15.407)  |                                        |                                        |           |          |
|----------------------------------|----------------------------------------|----------------------------------------|-----------|----------|
| FCC Clause No                    | Description                            | Test Result                            | Judgement | Remark   |
| §15.207<br>§15.407(b)            | AC Power Line Conducted Emissions      | APPENDIX A                             | Pass      | -----    |
| §15.205<br>§15.209<br>§15.407(b) | Radiated Emissions                     | APPENDIX B<br>APPENDIX C<br>APPENDIX D | Pass      | -----    |
| §15.407(a)                       | Bandwidth                              | APPENDIX E                             | Pass      | -----    |
| §15.407(a)                       | Peak Output Power                      | APPENDIX F                             | Pass      | -----    |
| §15.407(a)                       | Power Spectral Density                 | APPENDIX G                             | Pass      | -----    |
| §15.407(g)                       | Frequency Stability                    | APPENDIX H                             | Pass      | -----    |
| §15.203                          | Antenna Requirement                    | -----                                  | Pass      | -----    |
| §15.407(c)                       | Automatically Discontinue 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.

## 2.1 TEST FACILITY

The test facilities used to collect the test data in this report:

**CB05:** (FCC RN:674415; FCC DN:TW0659)

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)

**CB15:** (VCCI RN: R-20020; FCC RN:674415; FCC DN:TW0659; ISED Assigned Code:20088-5)

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)

## 2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2  $U_{\text{CISPR}}$  requirement.

The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

### A. AC power line conducted emissions test:

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U (dB) |
|-----------|--------|-----------------------------|------------|--------|
| C05       | CISPR  | 150 kHz ~ 30MHz             | 2.68       | C05    |

### B. Radiated emissions below 1 GHz test:

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U (dB) |
|-----------|--------|-----------------------------|------------|--------|
| CB15 (3m) | CISPR  | 30 MHz ~ 200 MHz            | V          | 4.20   |
|           |        | 30 MHz ~ 200 MHz            | H          | 3.64   |
|           |        | 200 MHz ~ 1,000 MHz         | V          | 4.56   |
|           |        | 200 MHz ~ 1,000 MHz         | H          | 3.90   |

### C. Radiated emissions above 1 GHz test:

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U (dB) |
|-----------|--------|-----------------------------|------------|--------|
| CB15 (3m) | CISPR  | 1 GHz ~ 6 GHz               | V          | 4.46   |
|           |        | 1 GHz ~ 6 GHz               | H          | 4.40   |
|           |        | 6 GHz ~18 GHz               | V          | 3.88   |
|           |        | 6 GHz ~18 GHz               | H          | 4.00   |

| Test Site | Method | Measurement Frequency Range | U (dB) |
|-----------|--------|-----------------------------|--------|
| CB15 (1m) | CISPR  | 18 GHz ~ 26.5 GHz           | 4.62   |
|           |        | 26.5 GHz ~ 40 GHz           | 5.12   |

### D. Conducted tests:

| Item                         | Method | U       |
|------------------------------|--------|---------|
| Bandwidth                    | ANSI   | 3.8 %   |
| Output Power                 | ANSI   | 0.95 dB |
| Power Spectral Density       | ANSI   | 0.86 dB |
| Conducted Spurious Emissions | ANSI   | 2.71 dB |

NOTE:

Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

Our calculated Measurement Instrumentation Uncertainty is shown in the tables above. These are our  $U_{lab}$  values in CISPR 16-4-2 terminology.

Since Table 1 of CISPR 16-4-2 has values of measurement instrumentation uncertainty, called  $U_{CISPR}$ , as follows:

Conducted Disturbance (mains port) – 150 kHz – 30 MHz : 3.6 dB

Radiated Disturbance (electric field strength on an open area test site or alternative test site) – 30 MHz – 1000 MHz : 5.2 dB

### 3 GENERAL INFORMATION

#### 3.1 DESCRIPTION OF EUT

|                                 |                                                                                                                                                                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment                       | Network Security Platform                                                                                                                                                                                                                                               |
| Brand Name                      | ADVANTECH                                                                                                                                                                                                                                                               |
| Test Model                      | FWA-1012VC                                                                                                                                                                                                                                                              |
| Series Model                    | FWA-1012VCXXXXXXXXXXXXXXXXXX (where X may be any alphanumeric character , blank or “-”.)                                                                                                                                                                                |
| Model Difference                | Different model distribute to different area.                                                                                                                                                                                                                           |
| Power Source                    | DC Voltage supplied from AC/DC adapter.                                                                                                                                                                                                                                 |
| Power Rating                    | I/P: 100-240V~, 1.5A, 50-60Hz<br>O/P: 12.0V 5.0A MAX                                                                                                                                                                                                                    |
| Operation Frequency             | UNII-1: 5150 MHz to 5250 MHz<br>UNII-3: 5725 MHz to 5850 MHz                                                                                                                                                                                                            |
| Modulation Type                 | OFDM                                                                                                                                                                                                                                                                    |
| Bit Rate of Transmitter         | up to 866 Mbps                                                                                                                                                                                                                                                          |
| Maximum Output Power for UNII-1 | IEEE 802.11a: 16.32 dBm (0.0429 W)<br>IEEE 802.11n (HT20): 15.85 dBm (0.0384 W)<br>IEEE 802.11n (HT40): 15.35 dBm (0.0343 W)<br>IEEE 802.11ac (HT20): 14.87 dBm (0.0307 W)<br>IEEE 802.11ac (HT40): 14.41 dBm (0.0276 W)<br>IEEE 802.11ac (VHT80): 12.22 dBm (0.0167 W) |
| Maximum Output Power for UNII-3 | IEEE 802.11a: 16.29 dBm (0.0426 W)<br>IEEE 802.11n (HT20): 15.52 dBm (0.0356 W)<br>IEEE 802.11n (HT40): 15.33 dBm (0.0341 W)<br>IEEE 802.11ac (HT20): 14.61 dBm (0.0289 W)<br>IEEE 802.11ac (HT40): 14.47 dBm (0.0280 W)<br>IEEE 802.11ac (VHT80): 13.89 dBm (0.0245 W) |
| Product Covered                 | 1 * CPU: Intel/C3858 2.00GHz<br>1 * MB: NAMB-1012VCMB<br>2 * Memory: DDR4 2400 16GB<br>1 * HDD: SEAGATE/ST1000LM035 (1TB)<br>1 * SSD: LITE-ON/CV1-8B64 (64GB)<br>1 * Adapter: FSP/FSP060-DIBAN2<br>1 * Wifi module: Senao/PCE4302AN<br>1 * LTE module: Sierra/EM7455    |

**NOTE:**

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

(2) Channel List:

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

| UNII-3                                                      |                 |                                             |                 |                       |                 |
|-------------------------------------------------------------|-----------------|---------------------------------------------|-----------------|-----------------------|-----------------|
| IEEE 802.11a<br>IEEE 802.11n (HT20)<br>IEEE 802.11ac (HT20) |                 | IEEE 802.11n (HT40)<br>IEEE 802.11ac (HT40) |                 | IEEE 802.11ac (VHT80) |                 |
| 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) Table for Filed Antenna:

**UNII-1:**

| Ant. | Brand  | Model              | Type   | Connector | Gain (dBi) |
|------|--------|--------------------|--------|-----------|------------|
| 1    | Walsin | RFDPA131000SBLB808 | Dipole | SMA       | 3.44       |
| 2    | Invax  | AN2450-92K02BRS    | Dipole | SMA       | 3.11       |

**UNII-3:**

| Ant. | Brand  | Model              | Type   | Connector | Gain (dBi) |
|------|--------|--------------------|--------|-----------|------------|
| 1    | Walsin | RFDPA131000SBLB808 | Dipole | SMA       | 3.95       |
| 2    | Invax  | AN2450-92K02BRS    | Dipole | SMA       | 3.79       |

NOTE:

- (a) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R). 2.4 GHz and 5GHz can't transmit simultaneously.
- (b) For Power Spectral Density(CDD mode):  
 $\text{Directional Gain} = 10\log [(10^{G_{1/20}} + 10^{G_{2/20}} + \dots + 10^{G_{n/20}})^2 / N_{\text{ANT}}] = 6.71 \text{ dBi}$ .  
 The Direction gain exceeds 6 dBi, so the reduced power spectral density limits =  
 Limit - (Directional Gain - 6 dBi) = 17 - (6.71 - 6) = 16.29 dBm/MHz.
- (c) For Conducted Output Power (CDD mode)  
 For UNII-1:  
 For  $N_{\text{ANT}} = 2 < 5$ ,  
 $\text{Direction gain} = G_{\text{ANT}} + 0 = 3.44 + 0 = 3.44 \text{ dBi}$ .  
 The Direction gain is less than 6 dBi, so conducted power limits will not be reduced.  
 For UNII-3:  
 For  $N_{\text{ANT}} = 2 < 5$ ,  
 $\text{Direction gain} = G_{\text{ANT}} + 0 = 3.95 + 0 = 3.95 \text{ dBi}$ .  
 The Direction gain is less than 6 dBi, so conducted power limits will not be reduced.

| Operating Mode<br>TX Mode | 2TX             |
|---------------------------|-----------------|
| 802.11a                   | V (ANT 1+ANT 2) |
| 802.11n (HT20)            | V (ANT 1+ANT 2) |
| 802.11n (HT40)            | V (ANT 1+ANT 2) |
| 802.11ac (HT20)           | V (ANT 1+ANT 2) |
| 802.11ac (HT40)           | V (ANT 1+ANT 2) |
| 802.11ac (VHT80)          | V (ANT 1+ANT 2) |

### 3.2 TEST MODES

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

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

| AC power line conducted emissions test |                                     |
|----------------------------------------|-------------------------------------|
| Test Mode                              | Description                         |
| 3                                      | UNII-1_TX N (HT40) MODE CHANNEL 38  |
| 9                                      | UNII-3_TX N (HT40) MODE CHANNEL 151 |

| Radiated emissions test |                                             |
|-------------------------|---------------------------------------------|
| Test Mode               | Description                                 |
| 1                       | UNII-1_TX A MODE CHANNEL 36/40/48           |
| 2                       | UNII-1_TX N (HT20) MODE CHANNEL 36/40/48    |
| 3                       | UNII-1_TX N (HT40) MODE CHANNEL 38/46       |
| 6                       | UNII-1_TX AC (VHT80) MODE CHANNEL 42        |
| 7                       | UNII-3_TX A MODE CHANNEL 149/157/165        |
| 8                       | UNII-3_TX N (HT20) MODE CHANNEL 149/157/165 |
| 9                       | UNII-3_TX N (HT40) MODE CHANNEL 151/159     |
| 10                      | UNII-3_TX AC (VHT80) MODE CHANNEL 155       |

| Conducted test |                                             |
|----------------|---------------------------------------------|
| Test Mode      | Description                                 |
| 1              | UNII-1_TX A MODE CHANNEL 36/40/48           |
| 2              | UNII-1_TX N (HT20) MODE CHANNEL 36/40/48    |
| 3              | UNII-1_TX N (HT40) MODE CHANNEL 38/46       |
| 6              | UNII-1_TX AC (VHT80) MODE CHANNEL 42        |
| 7              | UNII-3_TX A MODE CHANNEL 149/157/165        |
| 8              | UNII-3_TX N (HT20) MODE CHANNEL 149/157/165 |
| 9              | UNII-3_TX N (HT40) MODE CHANNEL 151/159     |
| 10             | UNII-3_TX AC (VHT80) MODE CHANNEL 155       |

**NOTE:**

- (1) The measurements are performed at the low, middle and high available channels.
- (2) For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated emission below 1 GHz test, the IEEE 802.11n (HT40) was found to be the worst case and recorded.

### 3.3 PARAMETERS OF TEST SOFTWARE

| UNII-1                |           |          |          |
|-----------------------|-----------|----------|----------|
| Test Software         | ART2 V2.3 |          |          |
| Mode                  | 5180 MHz  | 5200 MHz | 5240 MHz |
| IEEE 802.11a          | 14.5      | 14       | 14.5     |
| IEEE 802.11n (HT20)   | 14        | 14       | 14       |
| IEEE 802.11ac (HT20)  | 13.5      | 13.5     | 13       |
| Mode                  | 5190 MHz  | 5230 MHz |          |
| IEEE 802.11n (HT40)   | 12        | 14       |          |
| IEEE 802.11ac (HT40)  | 12        | 13       |          |
| Mode                  | 5210 MHz  |          |          |
| IEEE 802.11ac (VHT80) | 11        |          |          |

| UNII-3                |           |          |          |
|-----------------------|-----------|----------|----------|
| Test Software         | ART2 V2.3 |          |          |
| Mode                  | 5745 MHz  | 5785 MHz | 5825 MHz |
| IEEE 802.11a          | 16.5      | 16.5     | 16.5     |
| IEEE 802.11n (HT20)   | 16        | 15.5     | 15.5     |
| IEEE 802.11ac (HT20)  | 14.5      | 14.5     | 14       |
| Mode                  | 5755 MHz  | 5795 MHz |          |
| IEEE 802.11n (HT40)   | 15.5      | 15.5     |          |
| IEEE 802.11ac (HT40)  | 14.5      | 14.5     |          |
| Mode                  | 5775 MHz  |          |          |
| IEEE 802.11ac (VHT80) | 14.5      |          |          |

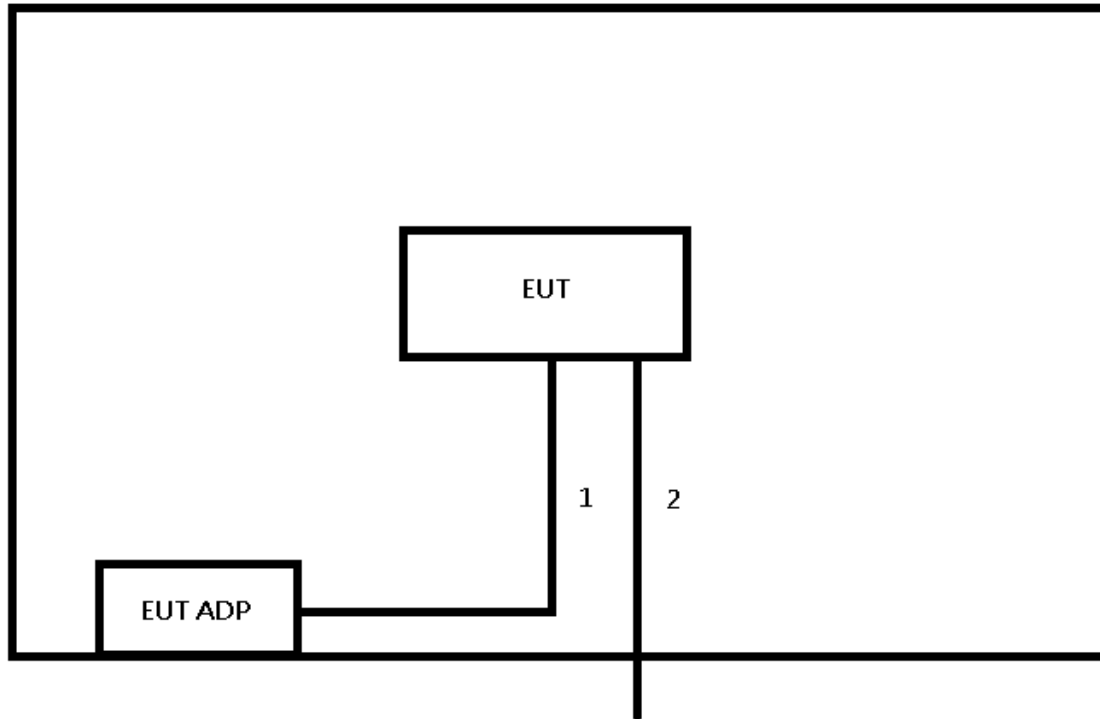
### 3.4 DUTY CYCLE

If duty cycle is  $\geq 98\%$ , duty factor is not required.  
If duty cycle is  $< 98\%$ , duty factor shall be considered.

|                                                                                                                                                                                                                  |                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>IEEE 802.11a</b></p> <p>Ref 20 dBm *Att 30 dB RBW 1 MHz Marker 1 [T1] 5.33 dBm<br/>*VBW 1 MHz SWT 5 ms 1.160000 ms<br/>Center 5.18 GHz 500 <math>\mu</math>s/</p> <p>Date: 3.SEP.2018 15:27:24</p>         | <p><b>IEEE 802.11n (HT20)</b></p> <p>Ref 20 dBm *Att 30 dB RBW 1 MHz Marker 1 [T1] 3.85 dBm<br/>*VBW 1 MHz SWT 5 ms 3.640000 ms<br/>Center 5.18 GHz 500 <math>\mu</math>s/</p> <p>Date: 3.SEP.2018 15:28:37</p>    |
| <p>Duty cycle = 100 %<br/>Duty Factor = <math>10 * \log(1 / 1) = 0</math></p>                                                                                                                                    | <p>Duty cycle = 100 %<br/>Duty Factor = <math>10 * \log(1 / 1) = 0</math></p>                                                                                                                                      |
| <p><b>IEEE 802.11n (HT40)</b></p> <p>Ref 20 dBm *Att 30 dB RBW 1 MHz Marker 1 [T1] -3.82 dBm<br/>*VBW 1 MHz SWT 5 ms 2.870000 ms<br/>Center 5.19 GHz 500 <math>\mu</math>s/</p> <p>Date: 3.SEP.2018 15:31:06</p> | <p><b>IEEE 802.11ac (VHT80)</b></p> <p>Ref 20 dBm *Att 30 dB RBW 1 MHz Marker 1 [T1] -7.91 dBm<br/>*VBW 1 MHz SWT 5 ms 1.090000 ms<br/>Center 5.21 GHz 500 <math>\mu</math>s/</p> <p>Date: 3.SEP.2018 15:40:08</p> |
| <p>Duty cycle = 100 %<br/>Duty Factor = <math>10 * \log(1 / 1) = 0</math></p>                                                                                                                                    | <p>Duty cycle = 100 %<br/>Duty Factor = <math>10 * \log(1 / 1) = 0</math></p>                                                                                                                                      |

### 3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 3.6.



### 3.6 SUPPORT UNITS

| Item | Equipment | Brand | Model No. | Series No. | Remarks |
|------|-----------|-------|-----------|------------|---------|
| -    | -         | -     | -         | -          | -       |

| Item | Shielded | Ferrite Core | Length | Cable Type  | Remarks               |
|------|----------|--------------|--------|-------------|-----------------------|
| 1    | YES      | NO           | 1.5 m  | Power Cable | Furnished at test lab |
| 2    | NO       | NO           | 3.0 m  | LAN Cable   | Furnished at test lab |

## 4 AC POWER LINE CONDUCTED EMISSIONS TEST

### 4.1 LIMIT

| Frequency (MHz) | Class A (dBμV) |         | Class B (dBμV) |           |
|-----------------|----------------|---------|----------------|-----------|
|                 | Quasi-peak     | Average | Quasi-peak     | Average   |
| 0.15 - 0.5      | 79             | 66      | 66 - 56 *      | 56 - 46 * |
| 0.50 - 5.0      | 73             | 60      | 56             | 46        |
| 5.0 - 30.0      | 73             | 60      | 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.
- (3) The test result calculated as following:  
 Measurement Value = Reading Level + Correct Factor  
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)  
 Margin Level = Measurement Value – Limit Value

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 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).  
 All other support equipment were powered from an additional LISN(s).  
 The LISN provides 50 Ohm/50uH of 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 to keep the cable above 40 cm.
- c. Excess I/O cables that are not connected to a peripheral shall be bundled in the center.  
 The end of the cable will be terminated, using the correct terminating impedance.  
 The overall length shall not exceed 1 m.
- d. The LISN is spaced at least 80 cm from the nearest part of the EUT chassis.
- e. For the actual test configuration, please refer to the related Item - EUT Test Photos.

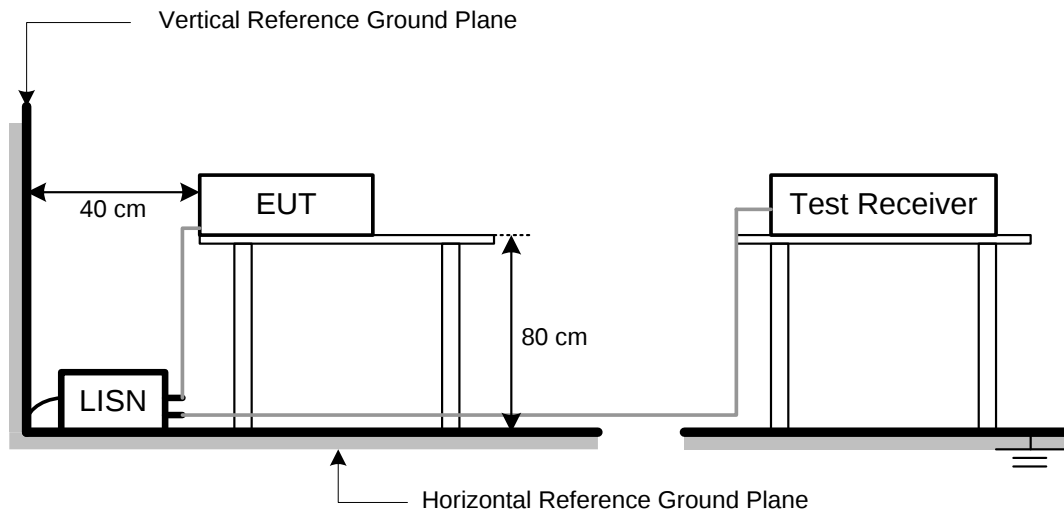
**NOTE:**

1. In the results, each reading is marked as Peak, QP or AVG per the detector used.  
 BW=9 kHz (6 dB Bandwidth)
2. All readings are Peak unless otherwise stated QP or AVG in column of Note. Both the QP and the AVG readings must be less than the limit for compliance.

### 4.3 DEVIATION FROM TEST STANDARD

No deviation.

#### 4.4 TEST SETUP



#### 4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in normal link mode.

#### 4.6 TEST RESULT

Temperature: 25 °C    Relative Humidity: 45 %    Test Voltage: AC 120V/50Hz

Please refer to the APPENDIX A.

## 5 RADIATED EMISSIONS TEST

### 5.1 LIMIT

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

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

| 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                             |
| 960~1000        | 500                               | 3                             |

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

| Frequency (MHz) | EIRP Limit (dBm) | 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:

- The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:  $E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m}$ , where P is the eirp (Watts)
- According to FCC 16-24, All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz 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 27 dBm/MHz at the band edge.

## 5.2 TEST PROCEDURE

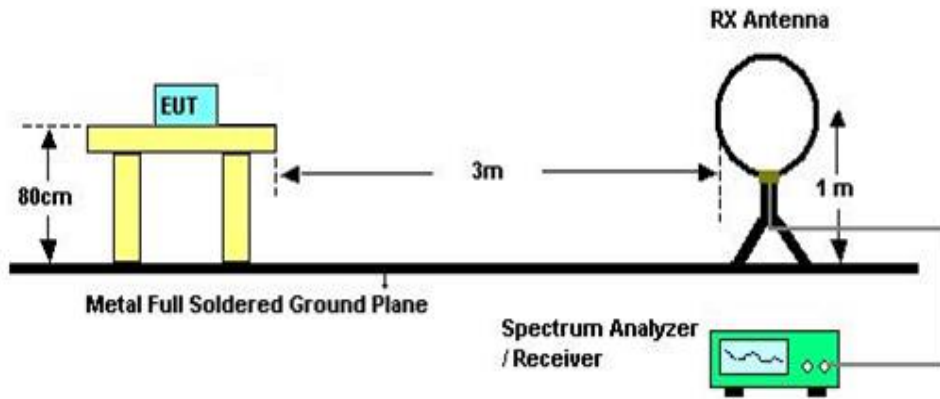
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance 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 0.8 m or 1.5 m, 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. For the actual test configuration, please refer to the related Item –EUT Test Photos.

## 5.3 DEVIATION FROM TEST STANDARD

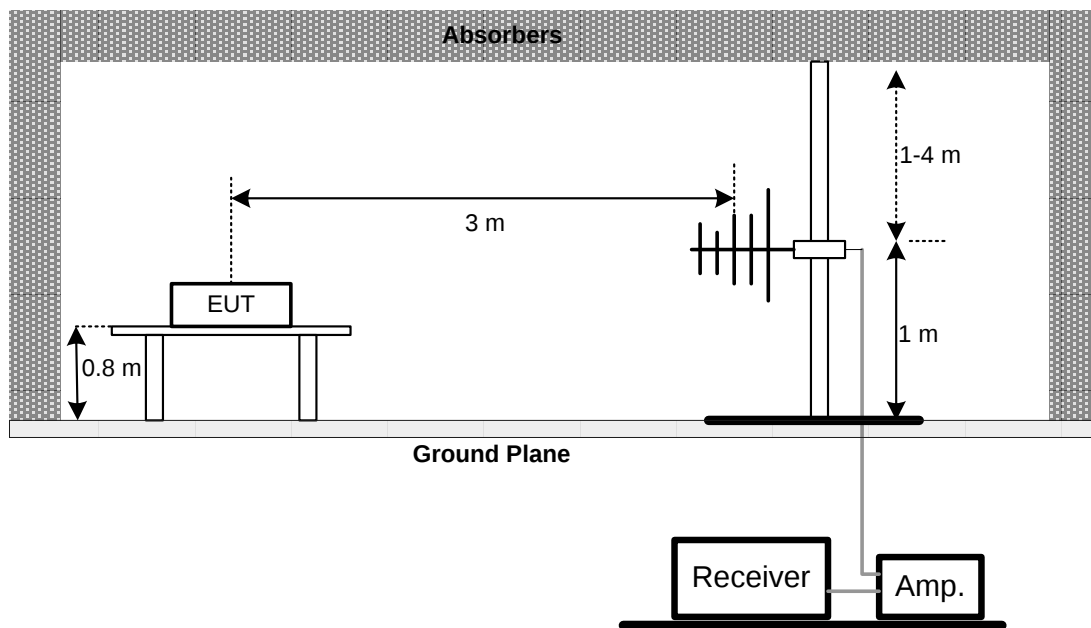
No deviation.

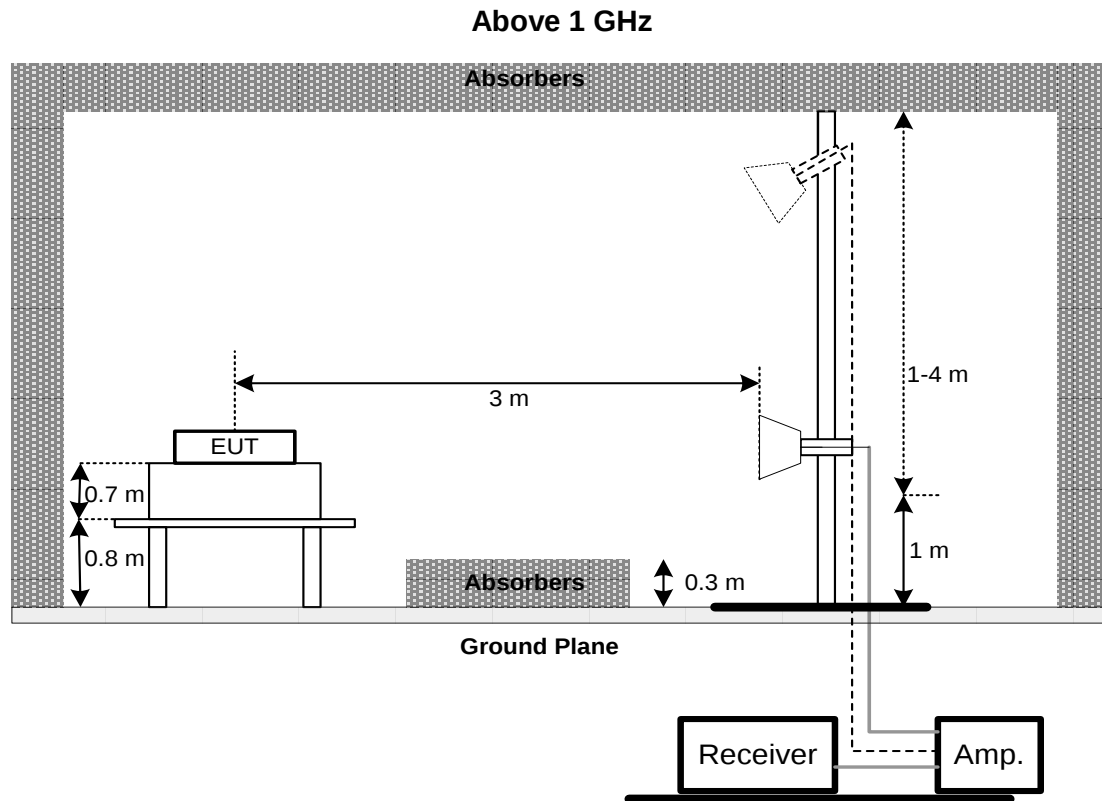
## 5.4 TEST SETUP

### Below 30 MHz



### 30 MHz to 1 GHz





## 5.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

## 5.6 TEST RESULT – 9 KHZ TO 30 MHZ

Temperature: 23 °C    Relative Humidity: 70 %    Test Voltage: AC 120V/50Hz

Please refer to the APPENDIX B.

### NOTE:

- (1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- (2) Distance extrapolation factor =  $40 \log (\text{specific distance} / \text{test distance})$  (dB).
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

## 5.7 TEST RESULT – 30MHZ TO 1000 MHZ

Temperature: 23 °C    Relative Humidity: 70 %    Test Voltage: AC 120V/50Hz

Please refer to the APPENDIX C.

## 5.8 TEST RESULT – ABOVE 1000 MHZ

Temperature: 23 °C    Relative Humidity: 70 %    Test Voltage: AC 120V/50Hz

Please refer to the APPENDIX D.

### NOTE:

- (1) No limit: This is fundamental signal, the judgment is not applicable.  
For fundamental signal judgment was referred to Peak output test.

## 6 BANDWIDTH TEST

### 6.1 LIMIT

| FCC Part15, Subpart E (§15.407) |                                |                       |
|---------------------------------|--------------------------------|-----------------------|
| Section                         | Test Item                      | Frequency Range (MHz) |
| §15.407(a)                      | 26 dB Bandwidth                | 5150-5250             |
|                                 | Minimum 500 kHz 6 dB Bandwidth | 5725-5850             |

### 6.2 TEST PROCEDURE

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

| Spectrum Parameter | Setting                                                         |
|--------------------|-----------------------------------------------------------------|
| Attenuation        | Auto                                                            |
| Span Frequency     | > 26 dB 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                                                            |

### 6.3 DEVIATION FROM TEST STANDARD

No deviation.

### 6.4 TEST SETUP



### 6.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 6.6 TEST RESULT

Please refer to the APPENDIX E.

## 7 PEAK OUTPUT POWER TEST

### 7.1 LIMIT

| FCC Part15, Subpart E (§15.407) |                      |                                                               |                       |
|---------------------------------|----------------------|---------------------------------------------------------------|-----------------------|
| Section                         | Test Item            | Limit                                                         | Frequency Range (MHz) |
| §15.407(a)                      | Maximum Output Power | Fixed:1 Watt (30 dBm)<br>Mobile and portable: 250 mW (24 dBm) | 5150-5250             |
|                                 |                      | 1 Watt (30dBm)                                                | 5725-5850             |

Note: The maximum e.i.r.p at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW(21 dBm).

### 7.2 TEST PROCEDURE

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- b. Spectrum Setting:

| Spectrum Parameter | Setting                                                      |
|--------------------|--------------------------------------------------------------|
| Attenuation        | Auto                                                         |
| Span Frequency     | Encompass the entire emissions bandwidth (EBW) of the signal |
| RBW                | = 1 MHz                                                      |
| VBW                | ≥ 3 MHz                                                      |
| Detector           | RMS                                                          |
| Trace              | Max Hold                                                     |
| Sweep Time         | auto                                                         |

- c. The maximum peak conducted output power was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

### 7.3 DEVIATION FROM TEST STANDARD

No deviation.

### 7.4 TEST SETUP



### 7.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 7.6 TEST RESULT

Please refer to the APPENDIX F.

## 8 POWER SPECTRAL DENSITY

### 8.1 LIMIT

| FCC Part15, Subpart E (§15.407) |                        |                                                                               |                       |
|---------------------------------|------------------------|-------------------------------------------------------------------------------|-----------------------|
| Section                         | Test Item              | Limit                                                                         | Frequency Range (MHz) |
| §15.407(a)                      | Power Spectral Density | Other than Mobile and portable: 17 dBm/MHz<br>Mobile and portable: 11 dBm/MHz | 5150-5250             |
|                                 |                        | 30 dBm/500 kHz                                                                | 5725-5850             |

### 8.2 TEST PROCEDURE

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

| Spectrum Parameter | Setting                                                      |
|--------------------|--------------------------------------------------------------|
| Attenuation        | Auto                                                         |
| Span Frequency     | Encompass the entire emissions bandwidth (EBW) of the signal |
| RBW                | = 1 MHz                                                      |
| VBW                | ≥ 3 MHz                                                      |
| Detector           | RMS                                                          |
| Trace              | Max Hold                                                     |
| Sweep Time         | Auto                                                         |

#### NOTE:

- For UNII-3, according to FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01, it is acceptable to set RBW at 1 MHz and VBW at 3 MHz if the spectrum analyzer does not have 500 kHz RBW.
- The value measured with RBW = 1 MHz is to be added with  $10\log(500 \text{ kHz}/1 \text{ MHz})$  which is -3 dB. For example, if the measured value is +10 dBm using RBW = 1 MHz (that is +10 dBm/MHz), then the converted value will be +7 dBm/500 kHz.

### 8.3 DEVIATION FROM TEST STANDARD

No deviation.

### 8.4 TEST SETUP



### 8.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

## 8.6 TEST RESULT

Please refer to the APPENDIX G.

## 9 FREQUENCY STABILITY

### 9.1 LIMIT

| FCC Part15, Subpart E (§15.407) |                     |                                |                       |
|---------------------------------|---------------------|--------------------------------|-----------------------|
| Section                         | Test Item           | Limit                          | Frequency Range (MHz) |
| 15.407(g)                       | Frequency Stability | Specified in the user's manual | 5150-5250             |
|                                 |                     |                                | 5725-5850             |

### 9.2 TEST PROCEDURE

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

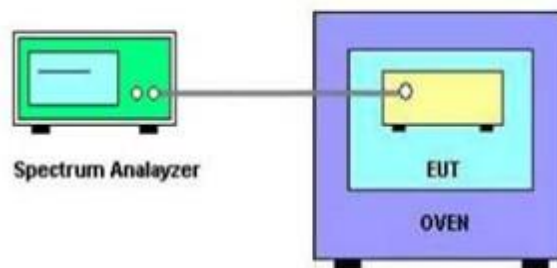
| Spectrum Parameter | Setting                                          |
|--------------------|--------------------------------------------------|
| Attenuation        | Auto                                             |
| Span Frequency     | Entire absence of modulation emissions bandwidth |
| RBW                | 10 kHz                                           |
| VBW                | 10 kHz                                           |
| Sweep Time         | Auto                                             |

- The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- User manual temperature is 0°C~40°C.

### 9.3 DEVIATION FROM TEST STANDARD

No deviation.

### 9.4 TEST SETUP



### 9.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 9.6 TEST RESULT

Please refer to the APPENDIX H.

## 10 LIST OF MEASURING EQUIPMENTS

### AC Power Line Conducted Emissions

| Item | Kind of Equipment    | Manufacturer | Type No.                | Serial No. | Calibrated until |
|------|----------------------|--------------|-------------------------|------------|------------------|
| 1    | TWO-LINE V-NETWORK   | R&S          | ENV216                  | 101050     | Mar. 08, 2019    |
| 2    | Test Cable           | EMCI         | EMCCFD300-BM-BMR-6000   | 170715     | Aug. 07, 2019    |
| 3    | EMI Test Receiver    | R&S          | ESR7                    | 101433     | Dec. 10, 2018    |
| 4    | Measurement Software | EZ           | EZ_EMC (Version NB-03A) | N/A        | N/A              |

### Radiated Emissions

| Item | Kind of Equipment        | Manufacturer | Type No.           | Serial No. | Calibrated until |
|------|--------------------------|--------------|--------------------|------------|------------------|
| 1    | Preamplifier             | EMCI         | 012645B            | 980267     | Feb. 27, 2019    |
| 2    | Preamplifier             | EMCI         | EMC02325           | 980217     | Dec. 27, 2018    |
| 3    | Preamplifier             | EMCI         | EMC2654045         | 980030     | Feb. 13, 2019    |
| 4    | Test Cable               | EMCI         | EMC104-SM-SM-8000  | 8m         | Jan. 03, 2019    |
| 5    | Test Cable               | EMCI         | EMC104-SM-SM-800   | 150207     | Jan. 03, 2019    |
| 6    | Test Cable               | EMCI         | EEMC104-SM-SM-3000 | 151205     | Jan. 03, 2019    |
| 7    | MXE EMI Receiver         | Agilent      | N9038A             | MY55420127 | Jan. 08, 2019    |
| 8    | Signal Analyzer          | Agilent      | N9010A             | MY52220990 | Feb. 21, 2019    |
| 9    | Loop Ant                 | EMCI         | LPA600             | 274        | May 03, 2019     |
| 10   | Horn Ant                 | SCHWARZBECK  | BBHA 9120D         | 9120D-1342 | Feb. 27, 2019    |
| 11   | Horn Ant                 | Schwarzbeck  | BBHA 9170          | 187        | Dec. 05, 2018    |
| 12   | Trilog-Broadband Antenna | Schwarzbeck  | VULB 9168          | 9168-548   | Jan. 15, 2019    |
| 13   | 5dB Attenuator           | EMCI         | EMCI-N-6-05        | AT-N0623   | Jan. 15, 2019    |

### 26 dB Bandwidth

| Item | Kind of Equipment | Manufacturer | Type No.  | Serial No.    | Calibrated until |
|------|-------------------|--------------|-----------|---------------|------------------|
| 1    | Spectrum Analyzer | R&S          | R&S/FSP30 | 100854(E-208) | May 25, 2019     |

### Peak Output Power

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-------------------|--------------|----------|------------|------------------|
| 1    | Power Meter       | Anritsu      | ML2495A  | 6K00004714 | Sep.09, 2019     |
| 2    | Power Sensor      | Anritsu      | MA2411B  | 1126001    | Aug. 15, 2019    |

### Power Spectral Density

| Item | Kind of Equipment | Manufacturer | Type No.  | Serial No.    | Calibrated until |
|------|-------------------|--------------|-----------|---------------|------------------|
| 1    | Spectrum Analyzer | R&S          | R&S/FSP30 | 100854(E-208) | May 25, 2019     |

### Frequency Stability

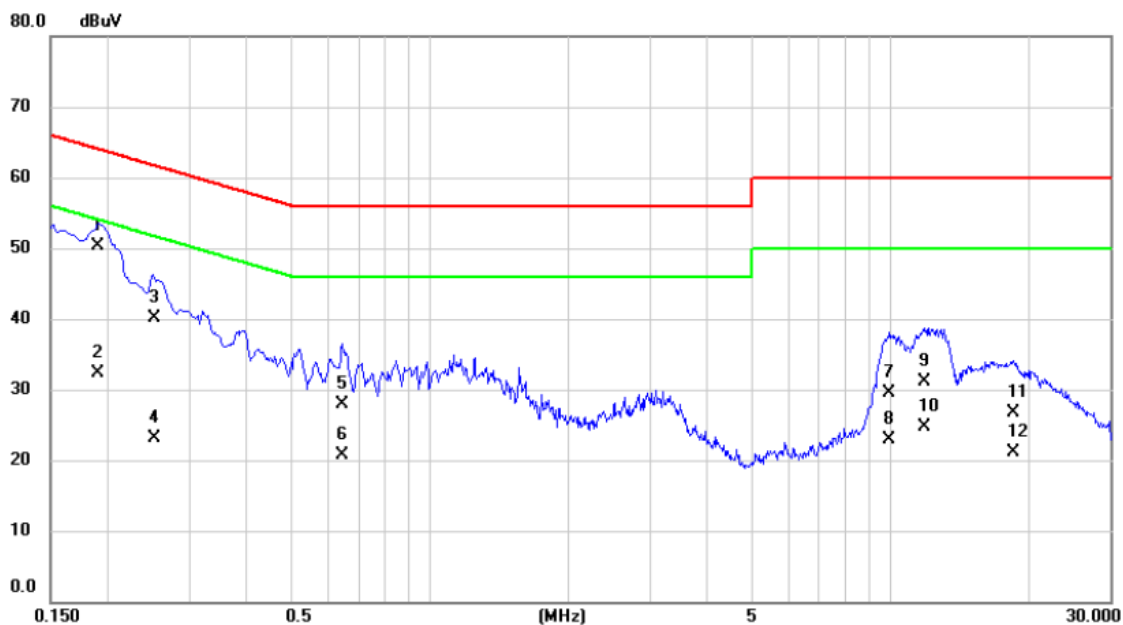
| Item | Kind of Equipment | Manufacturer | Type No.  | Serial No.    | Calibrated until |
|------|-------------------|--------------|-----------|---------------|------------------|
| 1    | Spectrum Analyzer | R&S          | R&S/FSP30 | 100854(E-208) | May 25, 2019     |

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.  
All calibration period of equipment list is one year.

## APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

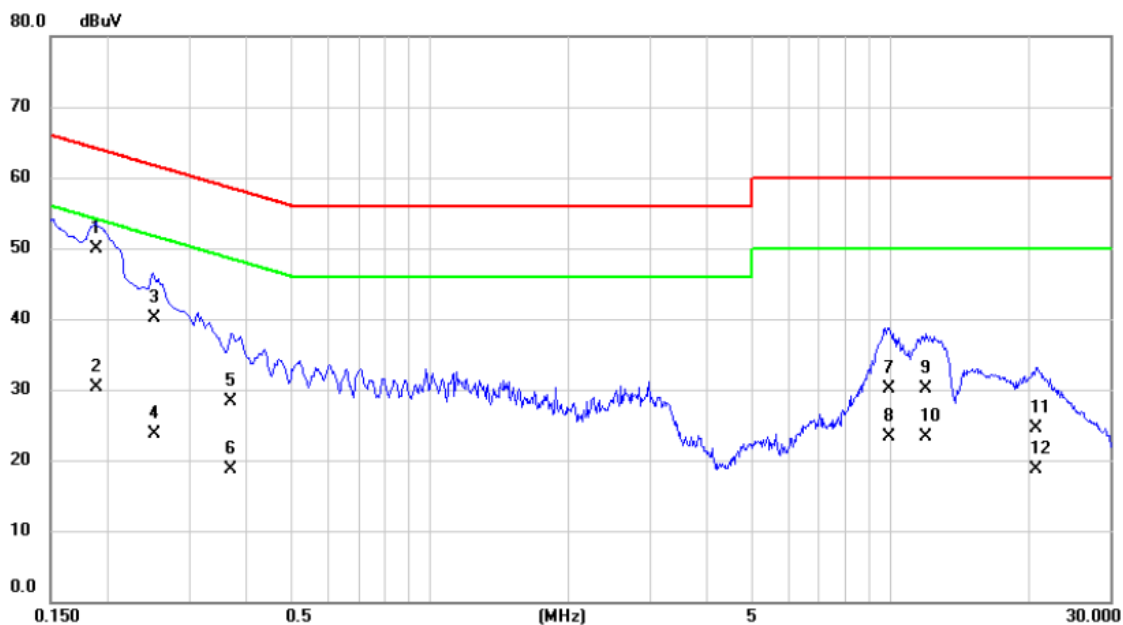
CONTINUE ON NEXT PAGE

|           |                                  |       |      |
|-----------|----------------------------------|-------|------|
| Test Mode | UNII-1_TX N (HT40) MODE 5190 MHz | Phase | Line |
|-----------|----------------------------------|-------|------|



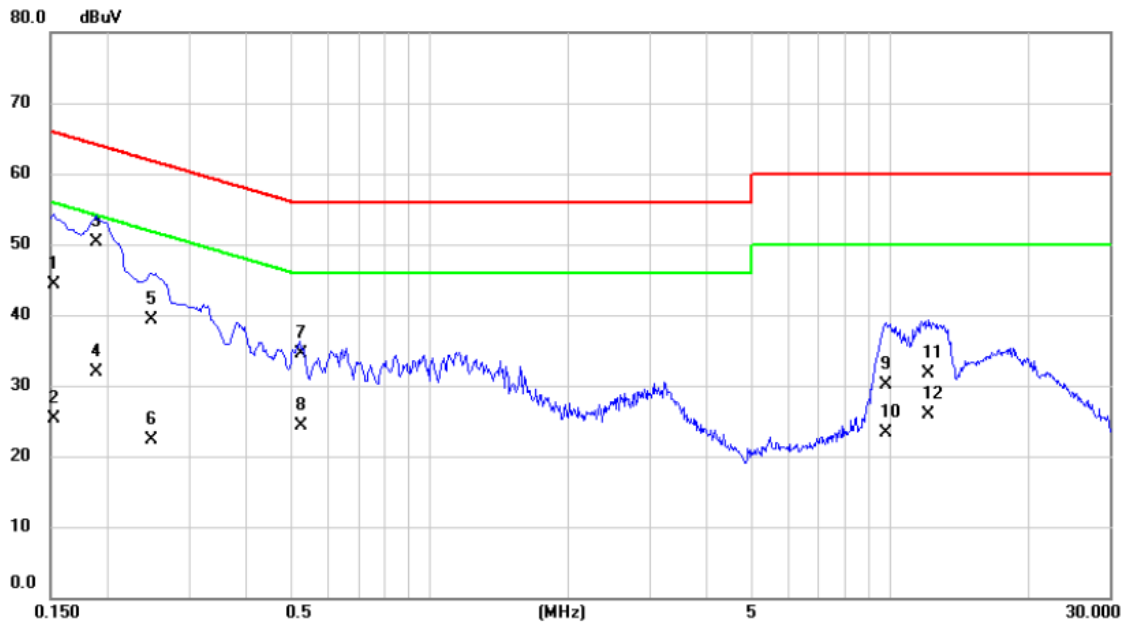
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   | *   | 0.1905       | 40.60                    | 9.63                    | 50.23                    | 64.01         | -13.78     | QP       |         |
| 2   |     | 0.1905       | 22.70                    | 9.63                    | 32.33                    | 54.01         | -21.68     | AVG      |         |
| 3   |     | 0.2513       | 30.40                    | 9.65                    | 40.05                    | 61.71         | -21.66     | QP       |         |
| 4   |     | 0.2513       | 13.40                    | 9.65                    | 23.05                    | 51.71         | -28.66     | AVG      |         |
| 5   |     | 0.6450       | 18.30                    | 9.66                    | 27.96                    | 56.00         | -28.04     | QP       |         |
| 6   |     | 0.6450       | 11.10                    | 9.66                    | 20.76                    | 46.00         | -25.24     | AVG      |         |
| 7   |     | 9.9308       | 19.60                    | 9.92                    | 29.52                    | 60.00         | -30.48     | QP       |         |
| 8   |     | 9.9308       | 12.90                    | 9.92                    | 22.82                    | 50.00         | -27.18     | AVG      |         |
| 9   |     | 11.8703      | 21.10                    | 9.93                    | 31.03                    | 60.00         | -28.97     | QP       |         |
| 10  |     | 11.8703      | 14.70                    | 9.93                    | 24.63                    | 50.00         | -25.37     | AVG      |         |
| 11  |     | 18.5078      | 16.80                    | 9.97                    | 26.77                    | 60.00         | -33.23     | QP       |         |
| 12  |     | 18.5078      | 11.10                    | 9.97                    | 21.07                    | 50.00         | -28.93     | AVG      |         |

|           |                                  |       |         |
|-----------|----------------------------------|-------|---------|
| Test Mode | UNII-1_TX N (HT40) MODE 5190 MHz | Phase | Neutral |
|-----------|----------------------------------|-------|---------|



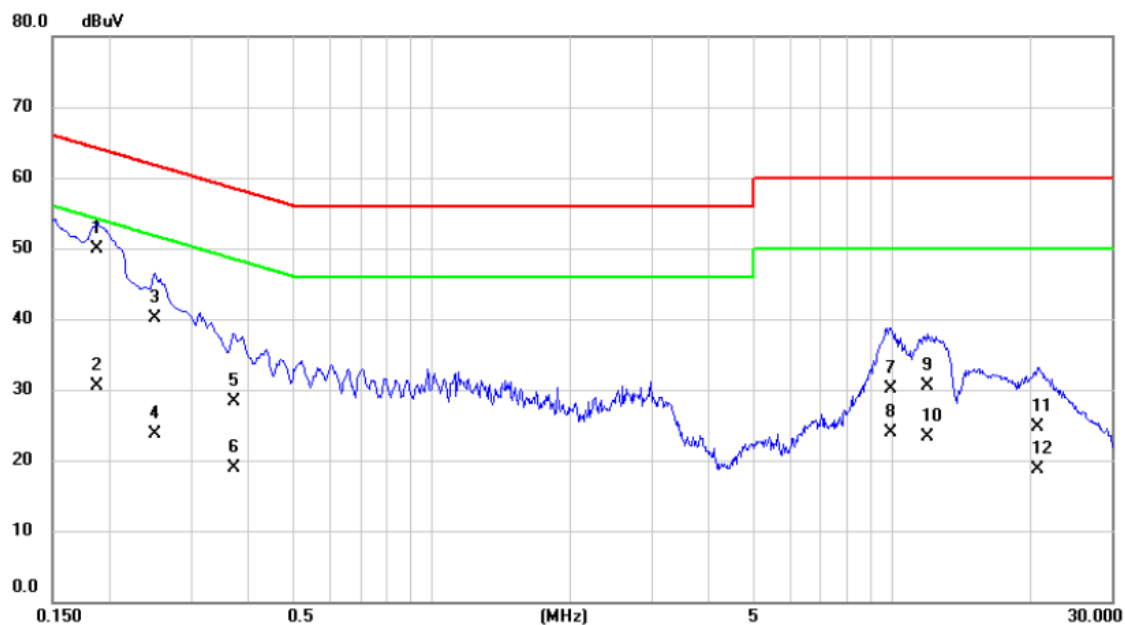
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   | *   | 0.1883       | 40.30                    | 9.61                    | 49.91                    | 64.11         | -14.20     | QP       |         |
| 2   |     | 0.1883       | 20.70                    | 9.61                    | 30.31                    | 54.11         | -23.80     | AVG      |         |
| 3   |     | 0.2513       | 30.40                    | 9.63                    | 40.03                    | 61.71         | -21.68     | QP       |         |
| 4   |     | 0.2513       | 14.00                    | 9.63                    | 23.63                    | 51.71         | -28.08     | AVG      |         |
| 5   |     | 0.3704       | 18.60                    | 9.64                    | 28.24                    | 58.49         | -30.25     | QP       |         |
| 6   |     | 0.3704       | 9.10                     | 9.64                    | 18.74                    | 48.49         | -29.75     | AVG      |         |
| 7   |     | 9.9240       | 20.20                    | 9.92                    | 30.12                    | 60.00         | -29.88     | QP       |         |
| 8   |     | 9.9240       | 13.30                    | 9.92                    | 23.22                    | 50.00         | -26.78     | AVG      |         |
| 9   |     | 11.9310      | 20.10                    | 9.93                    | 30.03                    | 60.00         | -29.97     | QP       |         |
| 10  |     | 11.9310      | 13.30                    | 9.93                    | 23.23                    | 50.00         | -26.77     | AVG      |         |
| 11  |     | 20.6633      | 14.50                    | 9.98                    | 24.48                    | 60.00         | -35.52     | QP       |         |
| 12  |     | 20.6633      | 8.70                     | 9.98                    | 18.68                    | 50.00         | -31.32     | AVG      |         |

|           |                                  |       |      |
|-----------|----------------------------------|-------|------|
| Test Mode | UNII-3_TX N (HT40) MODE 5755 MHz | Phase | Line |
|-----------|----------------------------------|-------|------|



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   |     | 0.1522       | 34.70                    | 9.63                    | 44.33                    | 65.88         | -21.55     | QP       |         |
| 2   |     | 0.1522       | 15.60                    | 9.63                    | 25.23                    | 55.88         | -30.65     | AVG      |         |
| 3   | *   | 0.1881       | 40.72                    | 9.63                    | 50.35                    | 64.12         | -13.77     | QP       |         |
| 4   |     | 0.1881       | 22.19                    | 9.63                    | 31.82                    | 54.12         | -22.30     | AVG      |         |
| 5   |     | 0.2492       | 29.60                    | 9.64                    | 39.24                    | 61.78         | -22.54     | QP       |         |
| 6   |     | 0.2492       | 12.70                    | 9.64                    | 22.34                    | 51.78         | -29.44     | AVG      |         |
| 7   |     | 0.5240       | 24.90                    | 9.66                    | 34.56                    | 56.00         | -21.44     | QP       |         |
| 8   |     | 0.5240       | 14.72                    | 9.66                    | 24.38                    | 46.00         | -21.62     | AVG      |         |
| 9   |     | 9.7911       | 20.21                    | 9.91                    | 30.12                    | 60.00         | -29.88     | QP       |         |
| 10  |     | 9.7911       | 13.42                    | 9.91                    | 23.33                    | 50.00         | -26.67     | AVG      |         |
| 11  |     | 12.1246      | 21.71                    | 9.93                    | 31.64                    | 60.00         | -28.36     | QP       |         |
| 12  |     | 12.1246      | 15.90                    | 9.93                    | 25.83                    | 50.00         | -24.17     | AVG      |         |

|           |                                  |       |         |
|-----------|----------------------------------|-------|---------|
| Test Mode | UNII-3_TX N (HT40) MODE 5755 MHz | Phase | Neutral |
|-----------|----------------------------------|-------|---------|

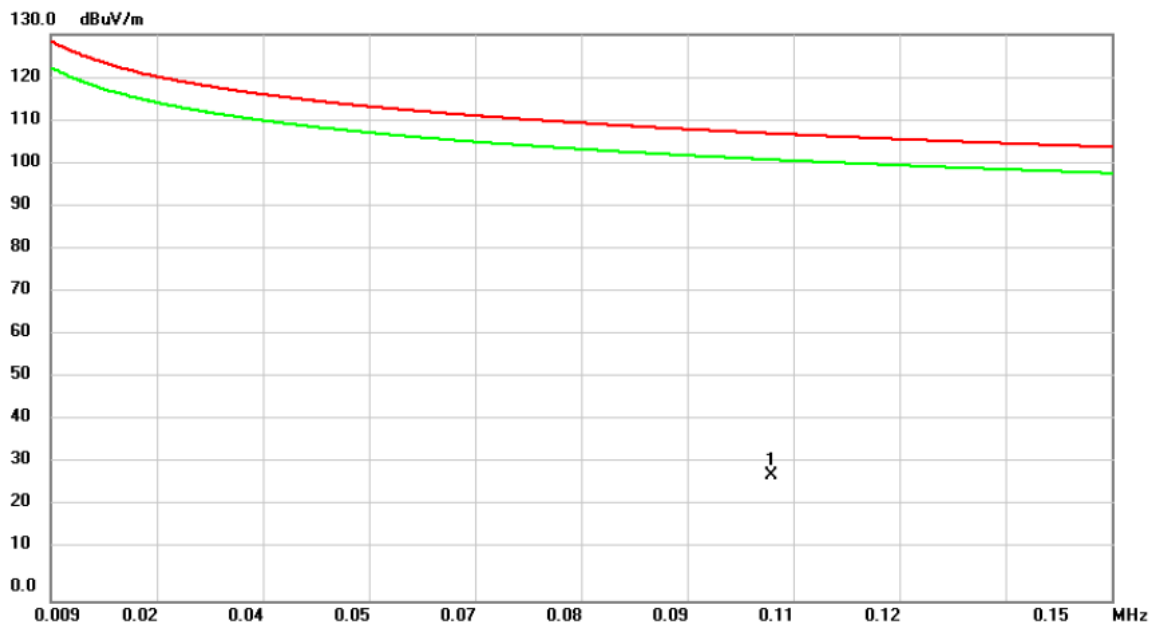


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   | *   | 0.1880       | 40.35                    | 9.61                    | 49.96                    | 64.12         | -14.16     | QP       |         |
| 2   |     | 0.1880       | 20.92                    | 9.61                    | 30.53                    | 54.12         | -23.59     | AVG      |         |
| 3   |     | 0.2510       | 30.41                    | 9.63                    | 40.04                    | 61.72         | -21.68     | QP       |         |
| 4   |     | 0.2510       | 14.03                    | 9.63                    | 23.66                    | 51.72         | -28.06     | AVG      |         |
| 5   |     | 0.3706       | 18.69                    | 9.64                    | 28.33                    | 58.49         | -30.16     | QP       |         |
| 6   |     | 0.3706       | 9.23                     | 9.64                    | 18.87                    | 48.49         | -29.62     | AVG      |         |
| 7   |     | 9.9241       | 20.22                    | 9.92                    | 30.14                    | 60.00         | -29.86     | QP       |         |
| 8   |     | 9.9241       | 13.90                    | 9.92                    | 23.82                    | 50.00         | -26.18     | AVG      |         |
| 9   |     | 11.9315      | 20.52                    | 9.93                    | 30.45                    | 60.00         | -29.55     | QP       |         |
| 10  |     | 11.9315      | 13.43                    | 9.93                    | 23.36                    | 50.00         | -26.64     | AVG      |         |
| 11  |     | 20.6640      | 14.81                    | 9.98                    | 24.79                    | 60.00         | -35.21     | QP       |         |
| 12  |     | 20.6640      | 8.76                     | 9.98                    | 18.74                    | 50.00         | -31.26     | AVG      |         |

## **APPENDIX B    RADIATED EMISSIONS - 9 KHZ TO 30 MHZ**

**CONTINUE ON NEXT PAGE**

|           |                                  |               |     |
|-----------|----------------------------------|---------------|-----|
| Test Mode | UNII-1_TX N (HT40) MODE 5190 MHz | Azimuth Angle | 90° |
|-----------|----------------------------------|---------------|-----|



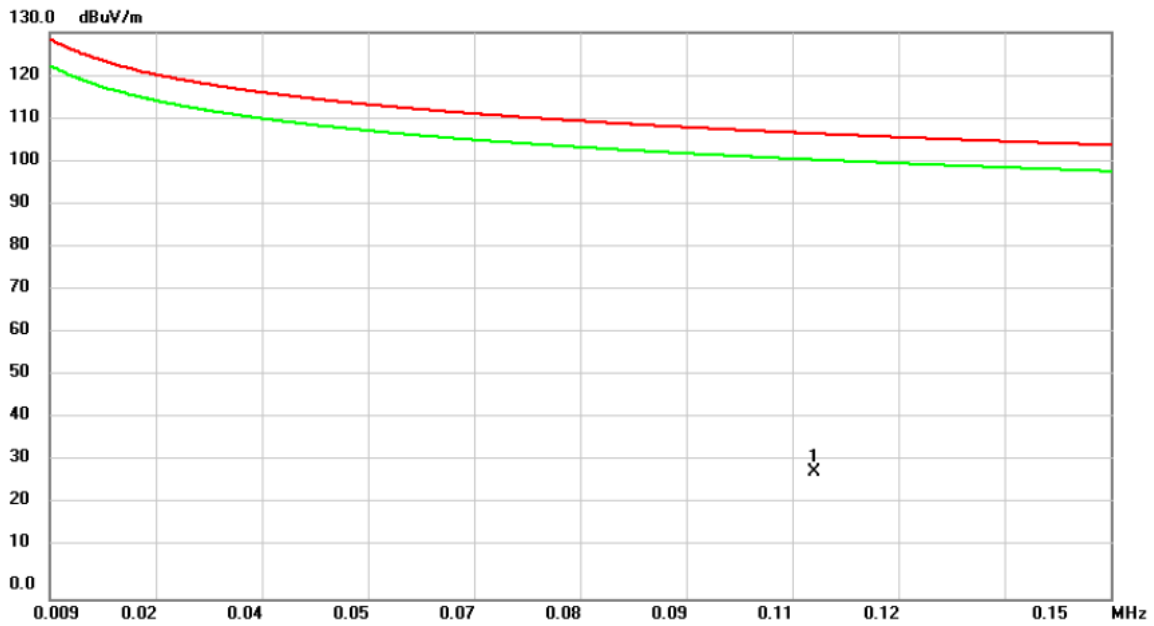
| No. | Mk. | Freq.  | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz    | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 0.1047 | 12.87         | 15.77          | 28.64       | 107.21 | -78.57 | peak     |         |

|           |                                  |               |     |
|-----------|----------------------------------|---------------|-----|
| Test Mode | UNII-1_TX N (HT40) MODE 5190 MHz | Azimuth Angle | 90° |
|-----------|----------------------------------|---------------|-----|



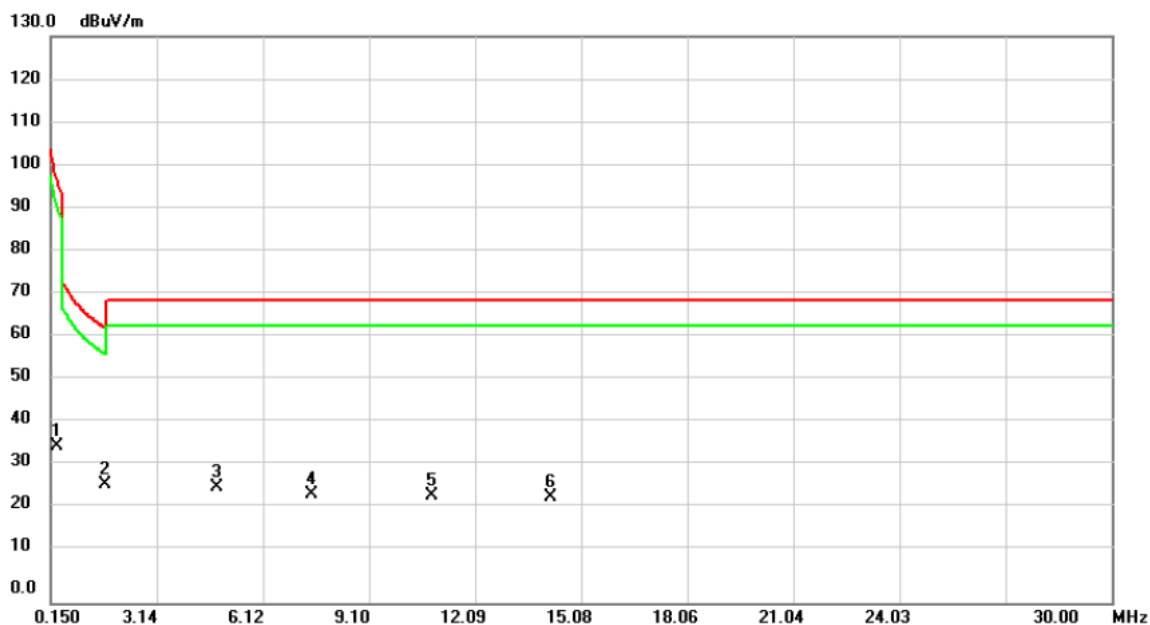
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   | *   | 0.5480       | 29.95                    | 3.07                    | 33.02                      | 72.83           | -39.81     | peak     |         |
| 2   |     | 2.8962       | 28.50                    | -3.59                   | 24.91                      | 69.54           | -44.63     | peak     |         |
| 3   |     | 7.1548       | 29.37                    | -4.16                   | 25.21                      | 69.54           | -44.33     | peak     |         |
| 4   |     | 8.4682       | 29.39                    | -4.50                   | 24.89                      | 69.54           | -44.65     | peak     |         |
| 5   |     | 11.9706      | 29.09                    | -4.82                   | 24.27                      | 69.54           | -45.27     | peak     |         |
| 6   |     | 13.4830      | 28.57                    | -4.82                   | 23.75                      | 69.54           | -45.79     | peak     |         |

|           |                                  |               |    |
|-----------|----------------------------------|---------------|----|
| Test Mode | UNII-1_TX N (HT40) MODE 5190 MHz | Azimuth Angle | 0° |
|-----------|----------------------------------|---------------|----|



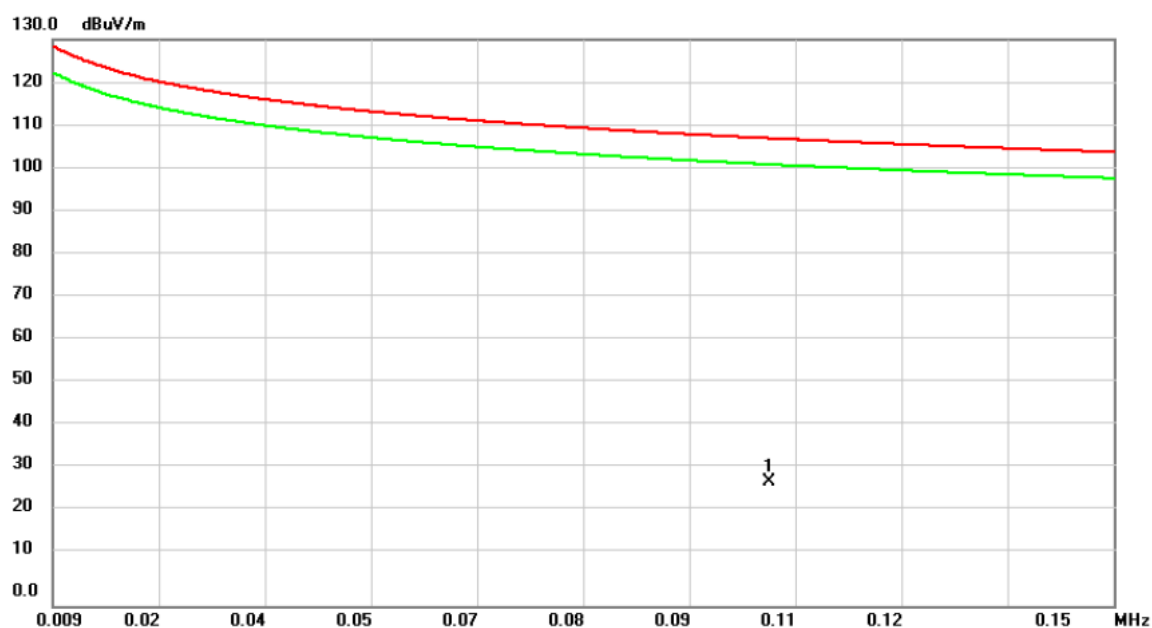
| No. | Mk. | Freq.  | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz    | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 0.1107 | 13.58         | 15.42          | 29.00       | 106.72 | -77.72 | peak     |         |

|           |                                  |               |    |
|-----------|----------------------------------|---------------|----|
| Test Mode | UNII-1_TX N (HT40) MODE 5190 MHz | Azimuth Angle | 0° |
|-----------|----------------------------------|---------------|----|



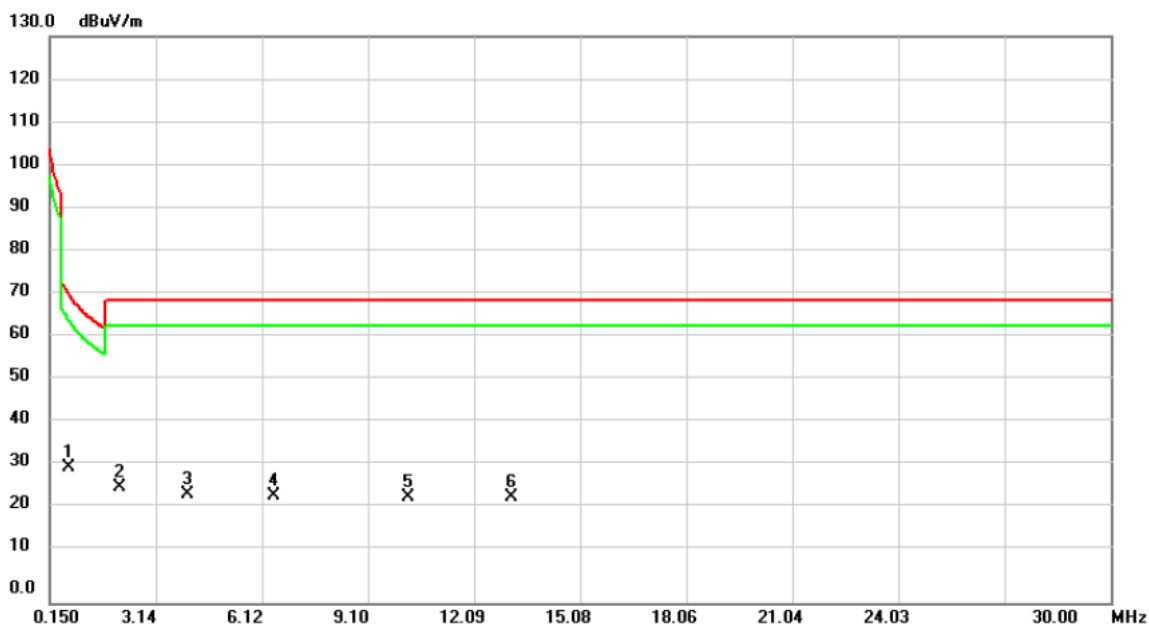
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 0.3092       | 29.16                    | 6.81                    | 35.97                      | 97.80           | -61.83     | peak     |         |
| 2   | *   | 1.6624       | 29.18                    | -2.07                   | 27.11                      | 63.19           | -36.08     | peak     |         |
| 3   |     | 4.8066       | 30.26                    | -3.90                   | 26.36                      | 69.54           | -43.18     | peak     |         |
| 4   |     | 7.4732       | 29.11                    | -4.22                   | 24.89                      | 69.54           | -44.65     | peak     |         |
| 5   |     | 10.8562      | 29.18                    | -4.80                   | 24.38                      | 69.54           | -45.16     | peak     |         |
| 6   |     | 14.1994      | 28.98                    | -4.86                   | 24.12                      | 69.54           | -45.42     | peak     |         |

|           |                                  |               |     |
|-----------|----------------------------------|---------------|-----|
| Test Mode | UNII-3_TX N (HT40) MODE 5755 MHz | Azimuth Angle | 90° |
|-----------|----------------------------------|---------------|-----|



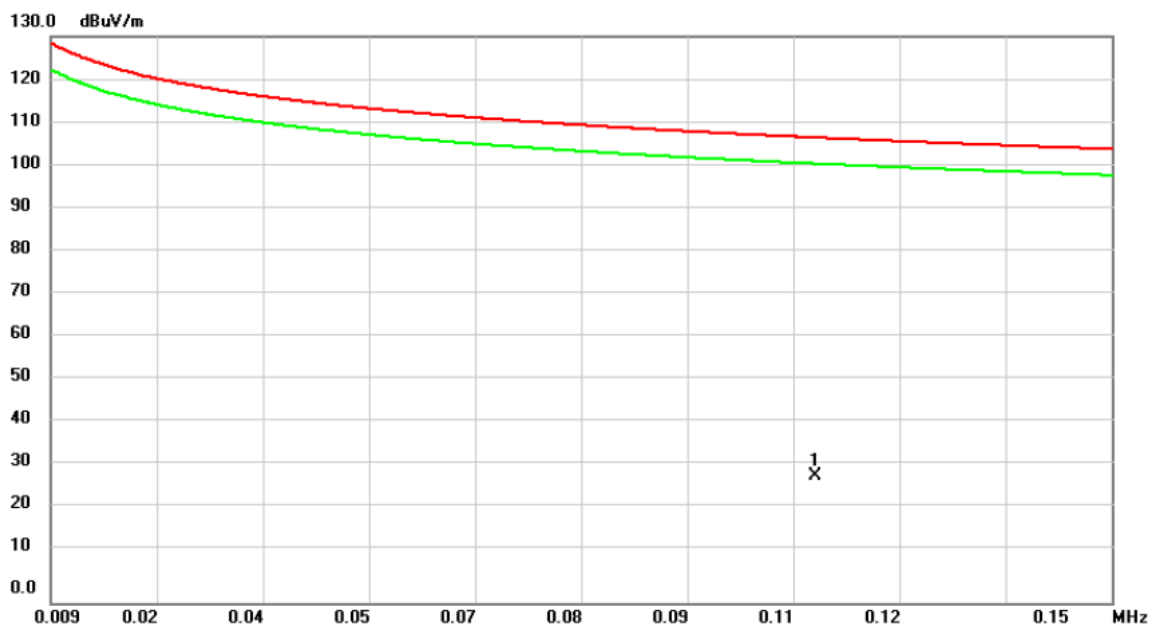
| No. | Mk. | Freq.  | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz    | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 0.1043 | 12.68         | 15.78          | 28.46       | 107.24 | -78.78 | peak     |         |

|           |                                  |               |     |
|-----------|----------------------------------|---------------|-----|
| Test Mode | UNII-3_TX N (HT40) MODE 5755 MHz | Azimuth Angle | 90° |
|-----------|----------------------------------|---------------|-----|



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   | *   | 0.6674       | 29.37                    | 1.74                    | 31.11                      | 71.12           | -40.01     | peak     |         |
| 2   |     | 2.1002       | 29.63                    | -3.01                   | 26.62                      | 69.54           | -42.92     | peak     |         |
| 3   |     | 4.0106       | 28.71                    | -3.80                   | 24.91                      | 69.54           | -44.63     | peak     |         |
| 4   |     | 6.4384       | 28.60                    | -4.07                   | 24.53                      | 69.54           | -45.01     | peak     |         |
| 5   |     | 10.2194      | 28.91                    | -4.73                   | 24.18                      | 69.54           | -45.36     | peak     |         |
| 6   |     | 13.1248      | 28.95                    | -4.82                   | 24.13                      | 69.54           | -45.41     | peak     |         |

|           |                                  |               |    |
|-----------|----------------------------------|---------------|----|
| Test Mode | UNII-3_TX N (HT40) MODE 5755 MHz | Azimuth Angle | 0° |
|-----------|----------------------------------|---------------|----|



| No. | Mk. | Freq.  | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz    | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 0.1107 | 13.58         | 15.42          | 29.00       | 106.72 | -77.72 | peak     |         |

|           |                                  |               |    |
|-----------|----------------------------------|---------------|----|
| Test Mode | UNII-3_TX N (HT40) MODE 5755 MHz | Azimuth Angle | 0° |
|-----------|----------------------------------|---------------|----|

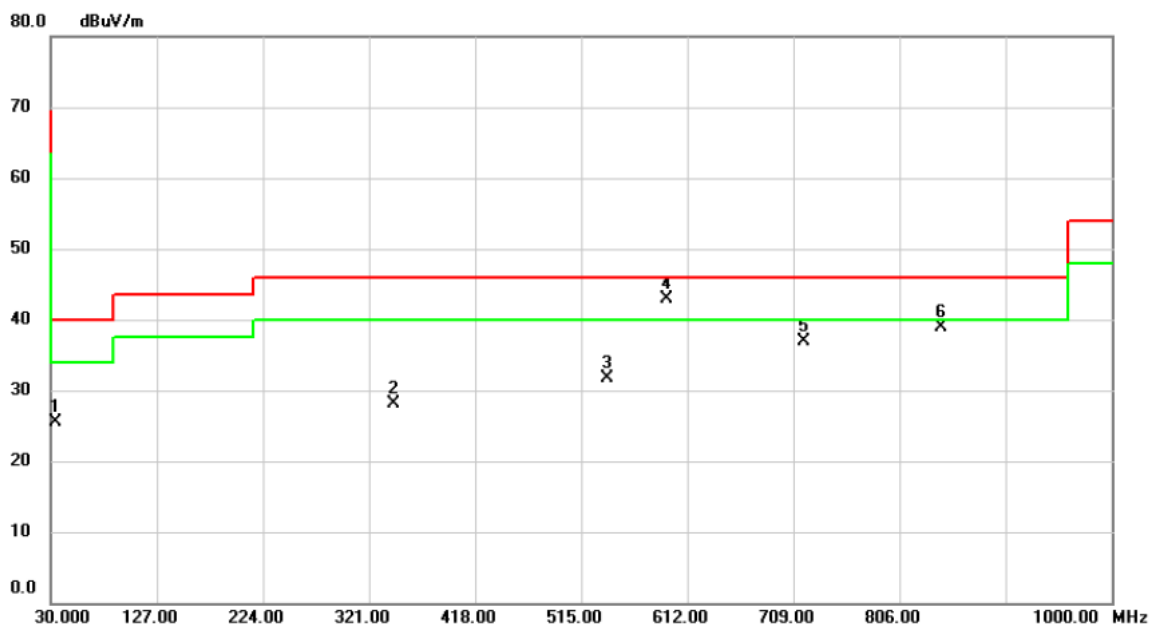


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 0.3092       | 29.16                    | 6.81                    | 35.97                      | 97.80           | -61.83     | peak     |         |
| 2   | *   | 1.5828       | 29.07                    | -1.86                   | 27.21                      | 63.61           | -36.40     | peak     |         |
| 3   |     | 4.2494       | 29.79                    | -3.82                   | 25.97                      | 69.54           | -43.57     | peak     |         |
| 4   |     | 6.9160       | 29.27                    | -4.11                   | 25.16                      | 69.54           | -44.38     | peak     |         |
| 5   |     | 9.9010       | 29.23                    | -4.71                   | 24.52                      | 69.54           | -45.02     | peak     |         |
| 6   |     | 11.6124      | 29.27                    | -4.81                   | 24.46                      | 69.54           | -45.08     | peak     |         |

## **APPENDIX C    RADIATED EMISSIONS - 30 MHZ TO 1000 MHZ**

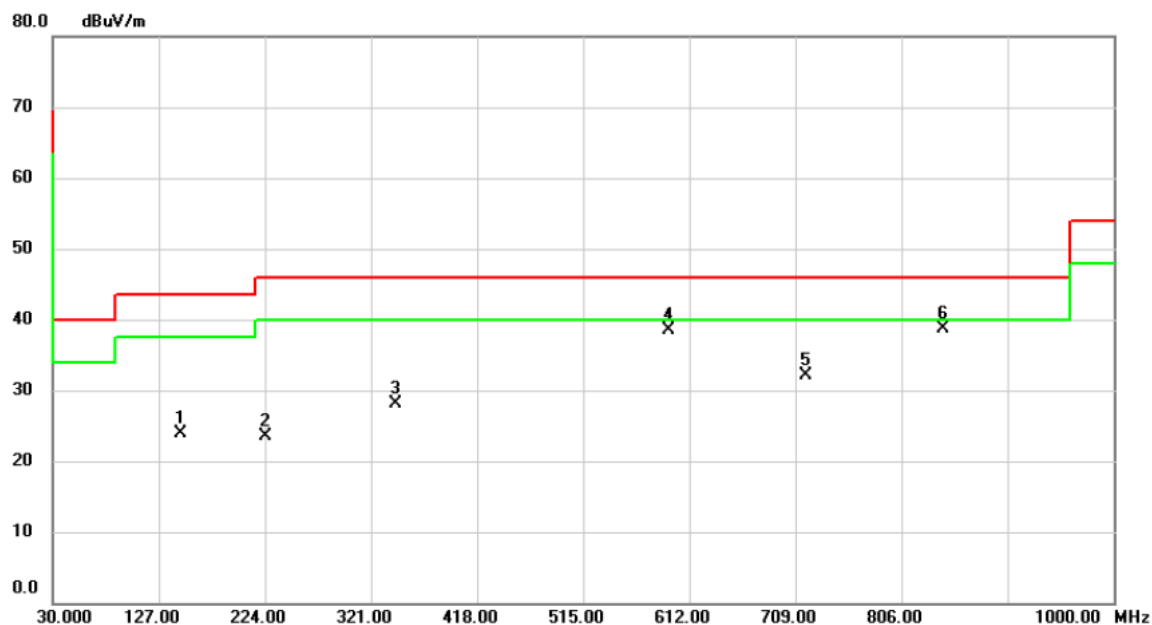
**CONTINUE ON NEXT PAGE**

|           |                                  |              |          |
|-----------|----------------------------------|--------------|----------|
| Test Mode | UNII-1_TX N (HT40) MODE 5190 MHz | Polarization | Vertical |
|-----------|----------------------------------|--------------|----------|



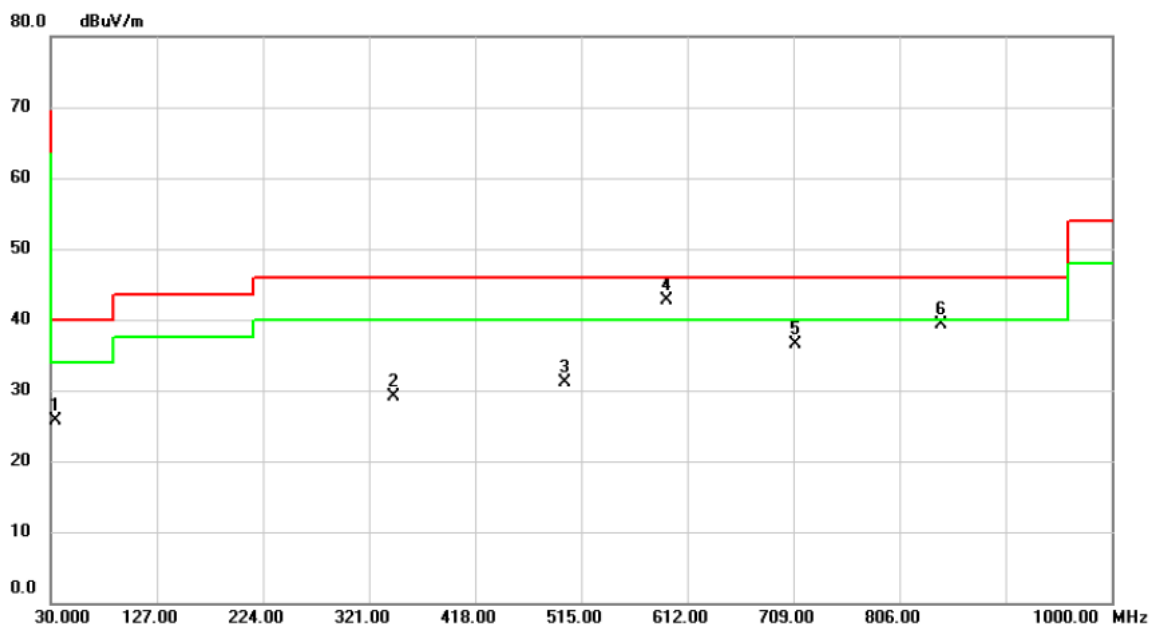
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 33.8800      | 34.53                    | -9.02                   | 25.51                      | 40.00           | -14.49     | peak     |         |
| 2   |     | 343.3100     | 34.45                    | -6.37                   | 28.08                      | 46.00           | -17.92     | peak     |         |
| 3   |     | 539.2500     | 33.82                    | -2.21                   | 31.61                      | 46.00           | -14.39     | peak     |         |
| 4   | *   | 593.5700     | 43.50                    | -0.61                   | 42.89                      | 46.00           | -3.11      | peak     |         |
| 5   |     | 718.7000     | 35.28                    | 1.67                    | 36.95                      | 46.00           | -9.05      | peak     |         |
| 6   |     | 843.8300     | 35.15                    | 3.85                    | 39.00                      | 46.00           | -7.00      | peak     |         |

|           |                                  |              |            |
|-----------|----------------------------------|--------------|------------|
| Test Mode | UNII-1_TX N (HT40) MODE 5190 MHz | Polarization | Horizontal |
|-----------|----------------------------------|--------------|------------|



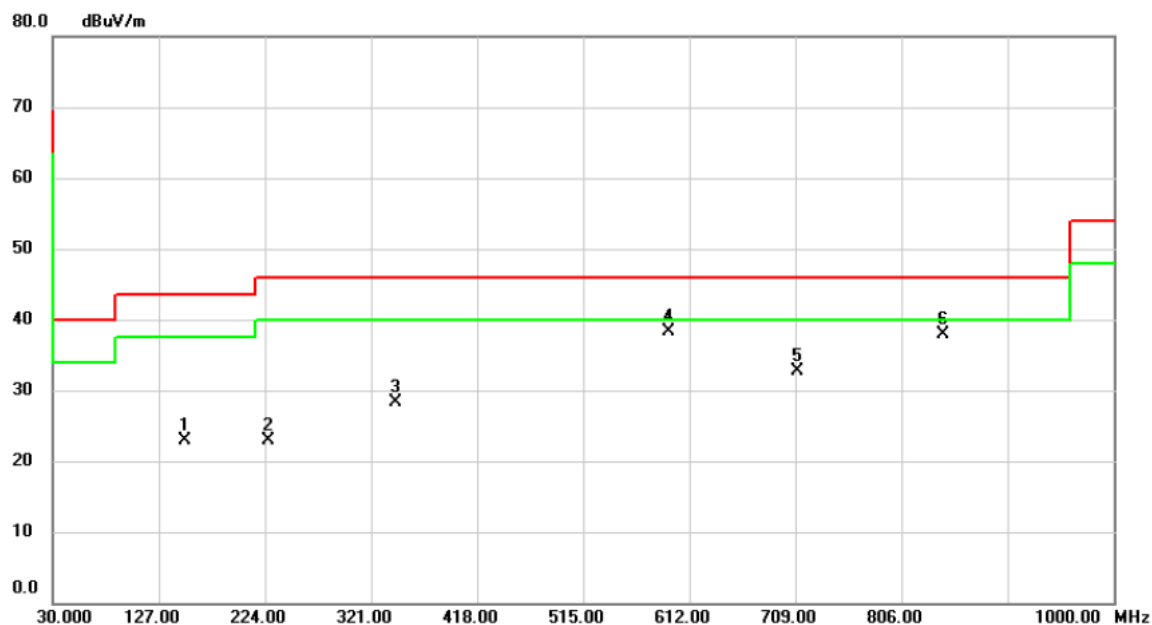
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 147.3700     | 32.53                    | -8.67                   | 23.86                      | 43.50           | -19.64     | peak     |         |
| 2   |     | 224.9700     | 33.49                    | -10.06                  | 23.43                      | 46.00           | -22.57     | peak     |         |
| 3   |     | 343.3100     | 34.57                    | -6.37                   | 28.20                      | 46.00           | -17.80     | peak     |         |
| 4   |     | 593.5700     | 39.03                    | -0.61                   | 38.42                      | 46.00           | -7.58      | peak     |         |
| 5   |     | 718.7000     | 30.52                    | 1.67                    | 32.19                      | 46.00           | -13.81     | peak     |         |
| 6   | *   | 843.8300     | 34.85                    | 3.85                    | 38.70                      | 46.00           | -7.30      | peak     |         |

|           |                                  |              |          |
|-----------|----------------------------------|--------------|----------|
| Test Mode | UNII-3_TX N (HT40) MODE 5755 MHz | Polarization | Vertical |
|-----------|----------------------------------|--------------|----------|



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 34.8500      | 34.65                    | -9.01                   | 25.64                      | 40.00           | -14.36     | peak     |         |
| 2   |     | 343.3100     | 35.48                    | -6.37                   | 29.11                      | 46.00           | -16.89     | peak     |         |
| 3   |     | 500.4500     | 33.93                    | -2.91                   | 31.02                      | 46.00           | -14.98     | peak     |         |
| 4   | *   | 593.5700     | 43.30                    | -0.61                   | 42.69                      | 46.00           | -3.31      | peak     |         |
| 5   |     | 710.9400     | 35.03                    | 1.51                    | 36.54                      | 46.00           | -9.46      | peak     |         |
| 6   |     | 843.8300     | 35.50                    | 3.85                    | 39.35                      | 46.00           | -6.65      | peak     |         |

|           |                                  |              |            |
|-----------|----------------------------------|--------------|------------|
| Test Mode | UNII-3_TX N (HT40) MODE 5755 MHz | Polarization | Horizontal |
|-----------|----------------------------------|--------------|------------|

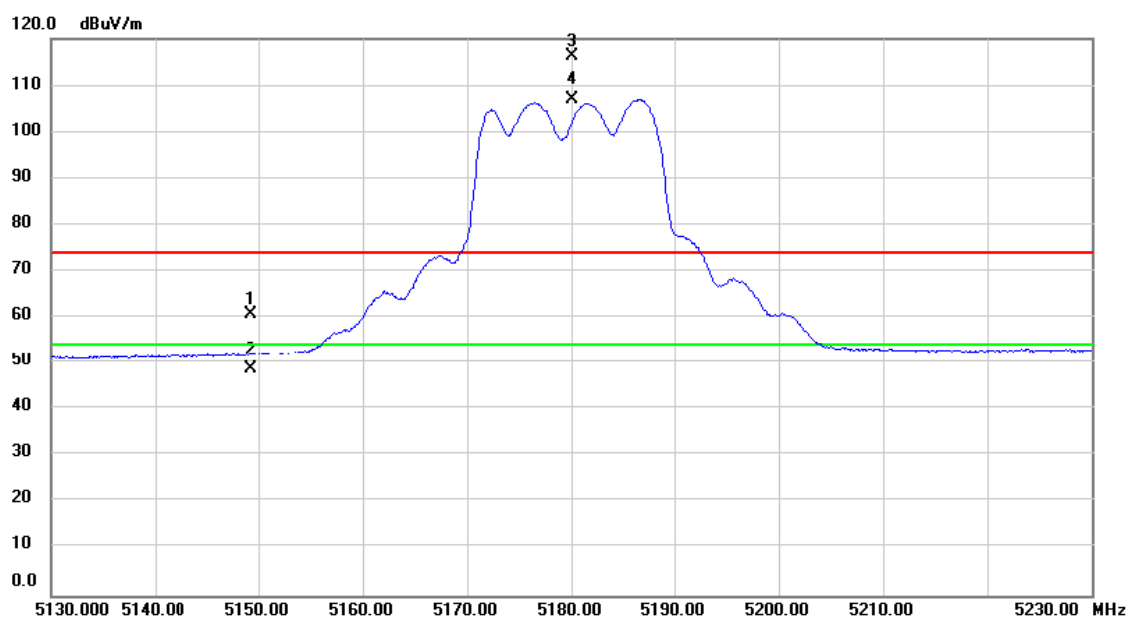


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 151.2500     | 31.48                    | -8.61                   | 22.87                      | 43.50           | -20.63     | peak     |         |
| 2   |     | 226.9100     | 32.76                    | -9.86                   | 22.90                      | 46.00           | -23.10     | peak     |         |
| 3   |     | 343.3100     | 34.66                    | -6.37                   | 28.29                      | 46.00           | -17.71     | peak     |         |
| 4   | *   | 593.5700     | 38.91                    | -0.61                   | 38.30                      | 46.00           | -7.70      | peak     |         |
| 5   |     | 710.9400     | 31.13                    | 1.51                    | 32.64                      | 46.00           | -13.36     | peak     |         |
| 6   |     | 843.8300     | 34.15                    | 3.85                    | 38.00                      | 46.00           | -8.00      | peak     |         |

## APPENDIX D    RADIATED EMISSIONS - ABOVE 1000 MHZ

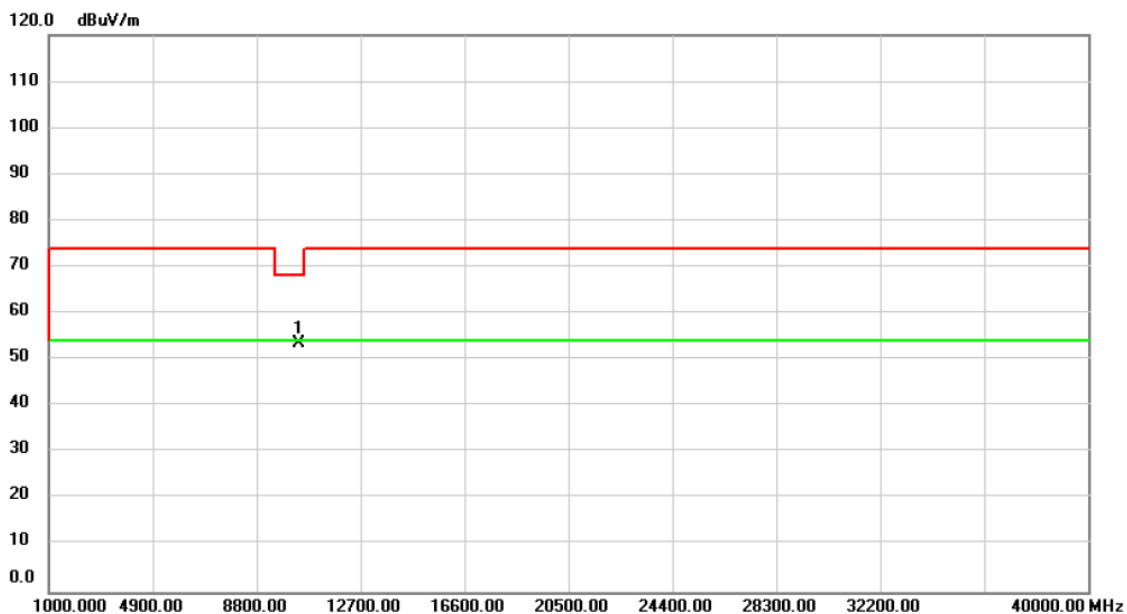
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|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test MODE | UNII-1_TX A MODE 5180MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|



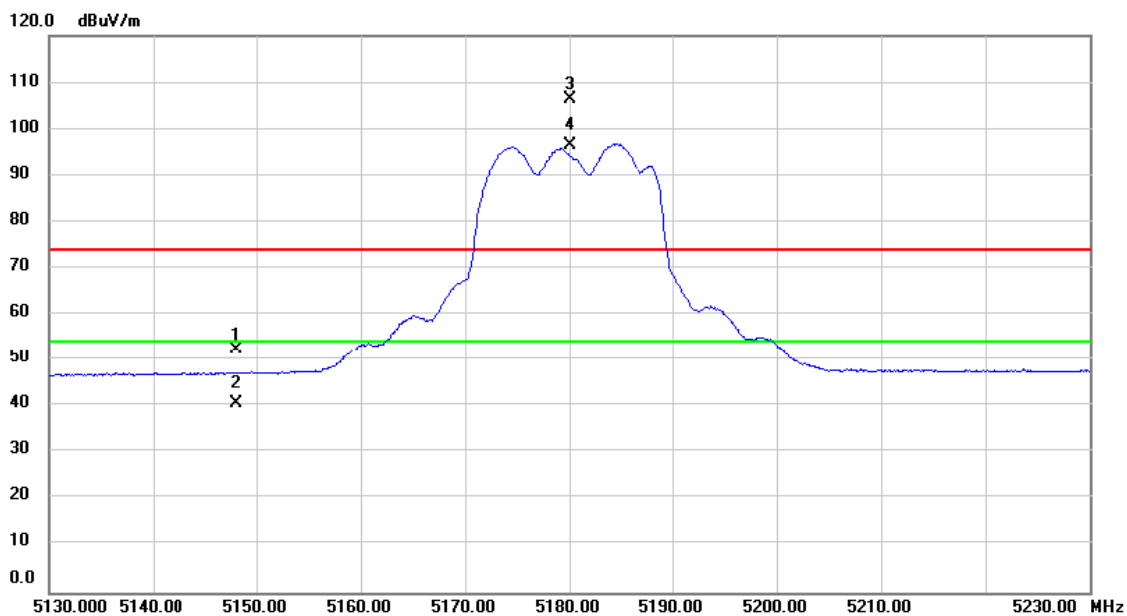
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5149.320     | 23.42                    | 37.30                   | 60.72                      | 74.00           | -13.28     | peak     |          |
| 2   |     | 5149.320     | 11.50                    | 37.30                   | 48.80                      | 54.00           | -5.20      | AVG      |          |
| 3   | X   | 5180.000     | 79.00                    | 37.34                   | 116.34                     | 74.00           | 42.34      | peak     | No Limit |
| 4   | *   | 5180.000     | 69.75                    | 37.34                   | 107.09                     | 54.00           | 53.09      | AVG      | No Limit |

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test MODE | UNII-1_TX A MODE 5180MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|



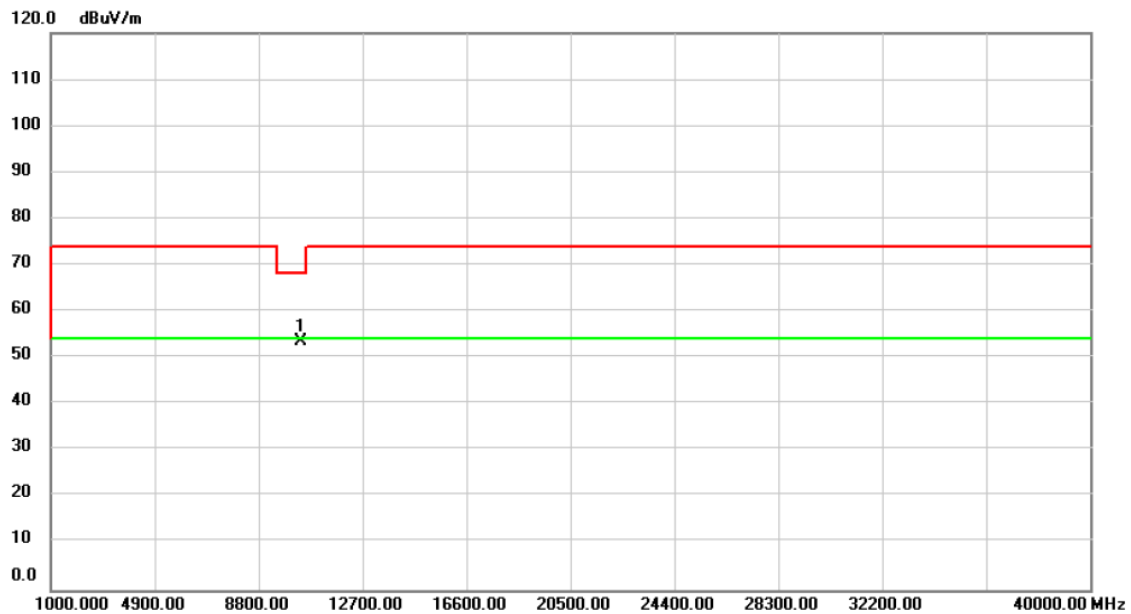
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 10360.00 | 52.02         | 1.57           | 53.59       | 68.20  | -14.61 | peak     |         |

|           |                           |              |            |
|-----------|---------------------------|--------------|------------|
| Test MODE | UNII-1_ TX A MODE 5180MHz | Polarization | Horizontal |
|-----------|---------------------------|--------------|------------|



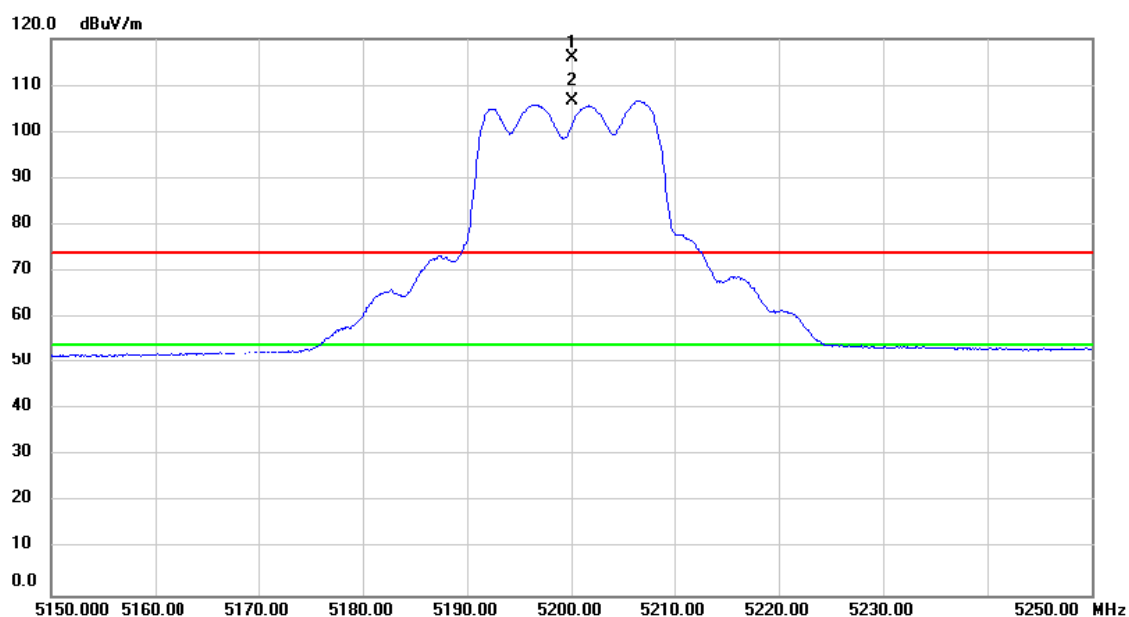
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5148.100     | 14.91                    | 37.30                   | 52.21                      | 74.00           | -21.79     | peak     |          |
| 2   |     | 5148.100     | 3.29                     | 37.30                   | 40.59                      | 54.00           | -13.41     | AVG      |          |
| 3   | X   | 5180.000     | 69.06                    | 37.34                   | 106.40                     | 74.00           | 32.40      | peak     | No Limit |
| 4   | *   | 5180.000     | 59.18                    | 37.34                   | 96.52                      | 54.00           | 42.52      | AVG      | No Limit |

|           |                          |              |            |
|-----------|--------------------------|--------------|------------|
| Test MODE | UNII-1_TX A MODE 5180MHz | Polarization | Horizontal |
|-----------|--------------------------|--------------|------------|



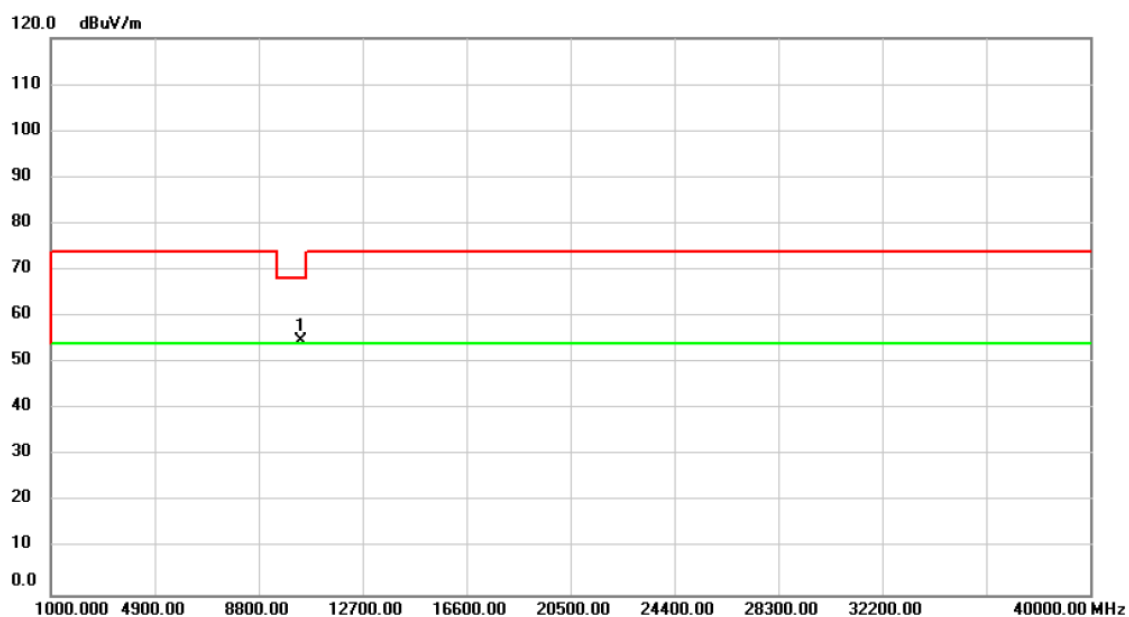
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |                  |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|------------------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector Comment |
| 1   | *   | 10360.00 | 51.95         | 1.57           | 53.52       | 68.20  | -14.68 | peak             |

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test MODE | UNII-1_TX A MODE 5200MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|



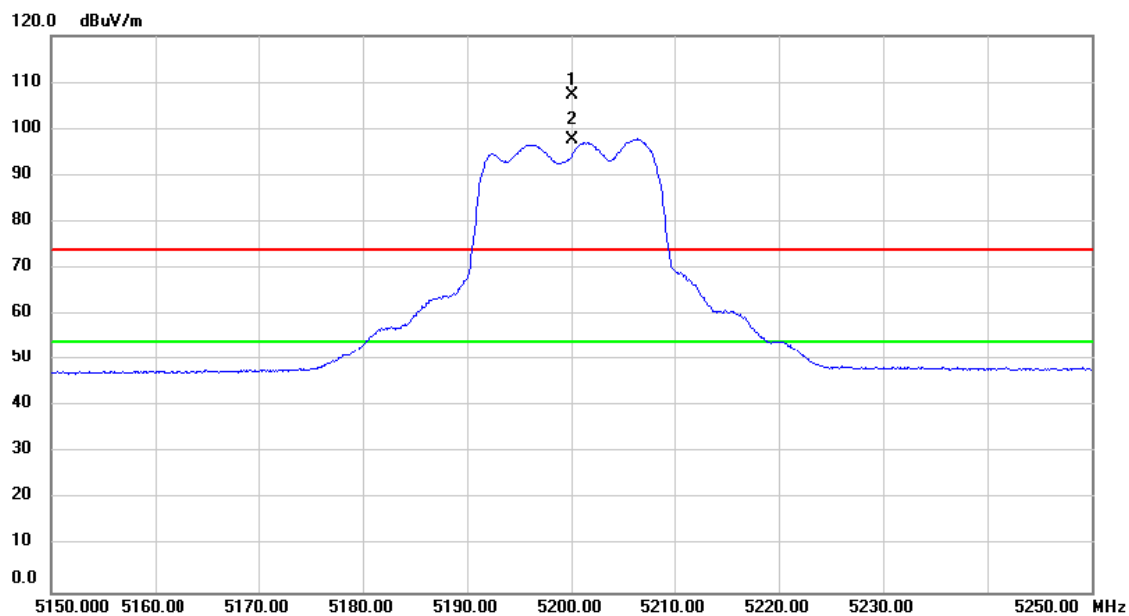
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   | X   | 5200.000     | 78.62                    | 37.36                   | 115.98                     | 74.00           | 41.98      | peak     | No Limit |
| 2   | *   | 5200.000     | 69.19                    | 37.36                   | 106.55                     | 54.00           | 52.55      | AVG      | No Limit |

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test MODE | UNII-1_TX A MODE 5200MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|



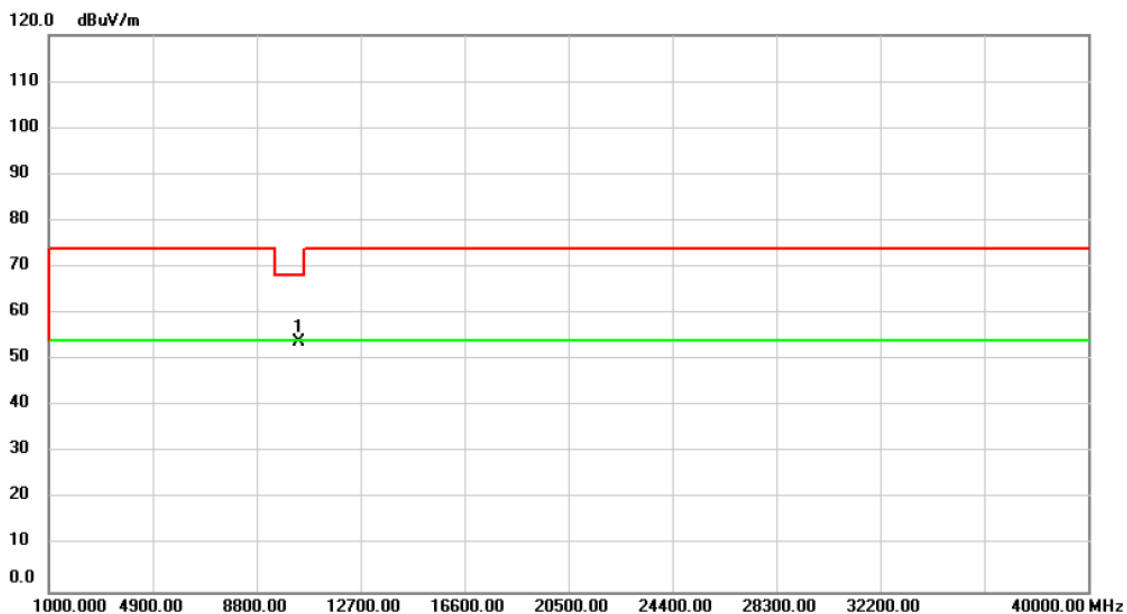
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 10400.00 | 53.27         | 1.62           | 54.89       | 68.20  | -13.31 | peak     |         |

|           |                          |              |            |
|-----------|--------------------------|--------------|------------|
| Test MODE | UNII-1_TX A MODE 5200MHz | Polarization | Horizontal |
|-----------|--------------------------|--------------|------------|



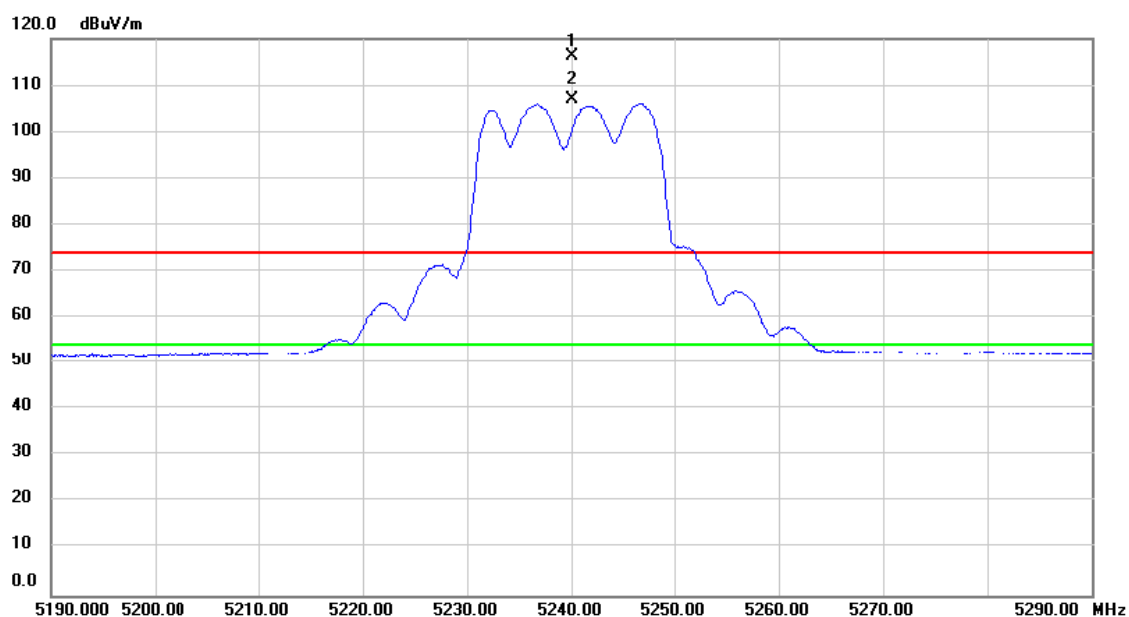
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   | X   | 5200.000     | 69.81                    | 37.36                   | 107.17                     | 74.00           | 33.17      | peak     | No Limit |
| 2   | *   | 5200.000     | 60.36                    | 37.36                   | 97.72                      | 54.00           | 43.72      | AVG      | No Limit |

|           |                          |              |            |
|-----------|--------------------------|--------------|------------|
| Test MODE | UNII-1_TX A MODE 5200MHz | Polarization | Horizontal |
|-----------|--------------------------|--------------|------------|



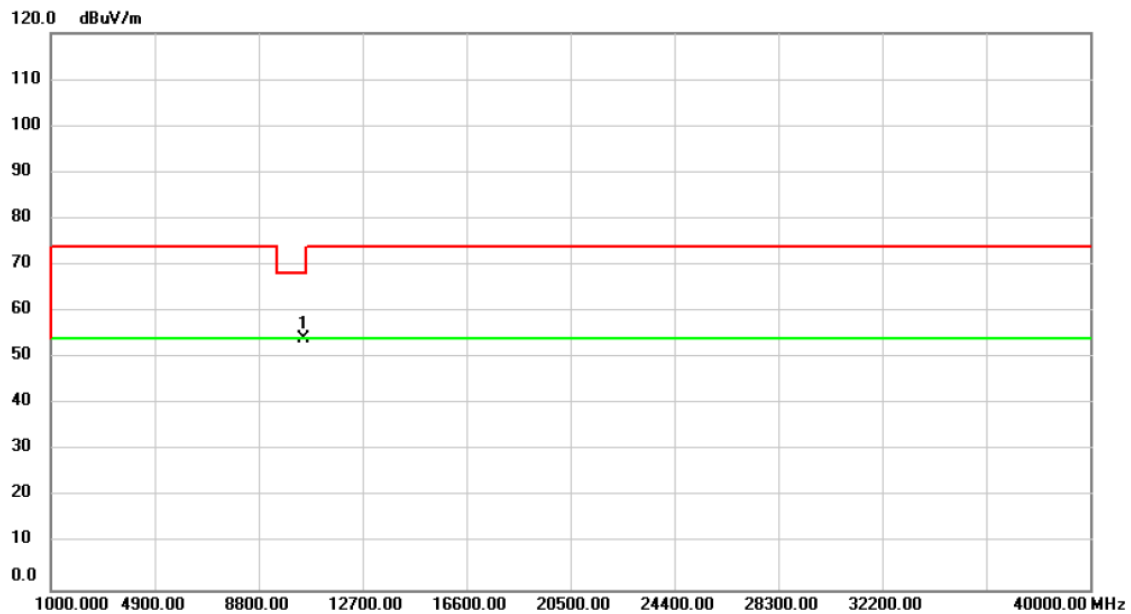
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |                  |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|------------------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector Comment |
| 1   | *   | 10400.00 | 52.36         | 1.62           | 53.98       | 68.20  | -14.22 | peak             |

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test MODE | UNII-1_TX A MODE 5240MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|



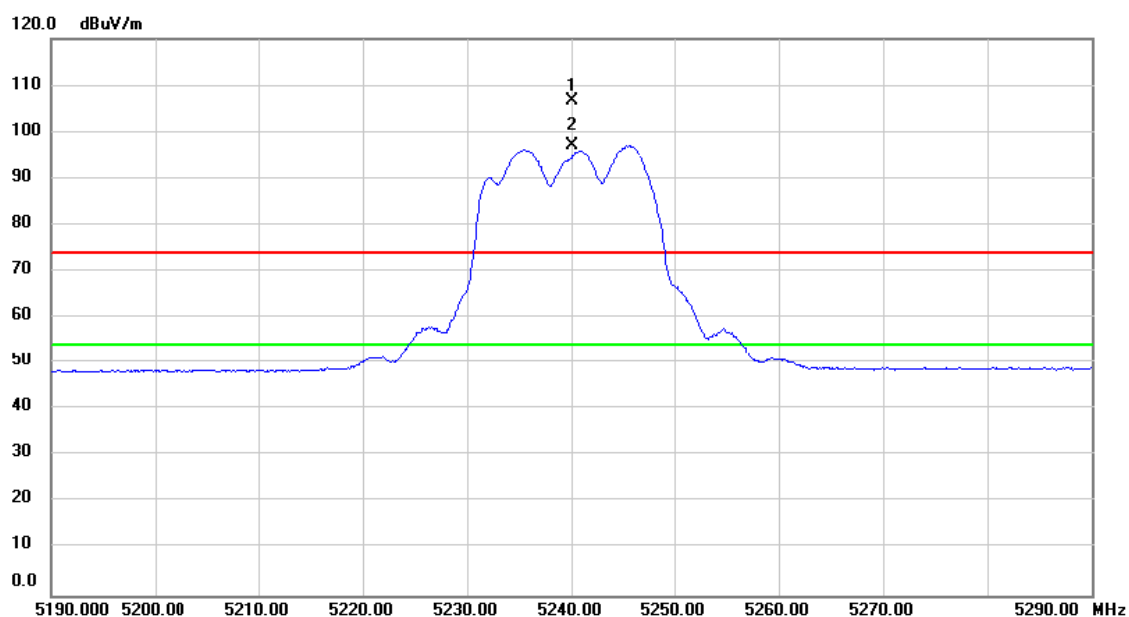
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   | X   | 5240.000     | 78.95                    | 37.40                   | 116.35                     | 74.00           | 42.35      | peak     | No Limit |
| 2   | *   | 5240.000     | 69.43                    | 37.40                   | 106.83                     | 54.00           | 52.83      | AVG      | No Limit |

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test MODE | UNII-1_TX A MODE 5240MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|



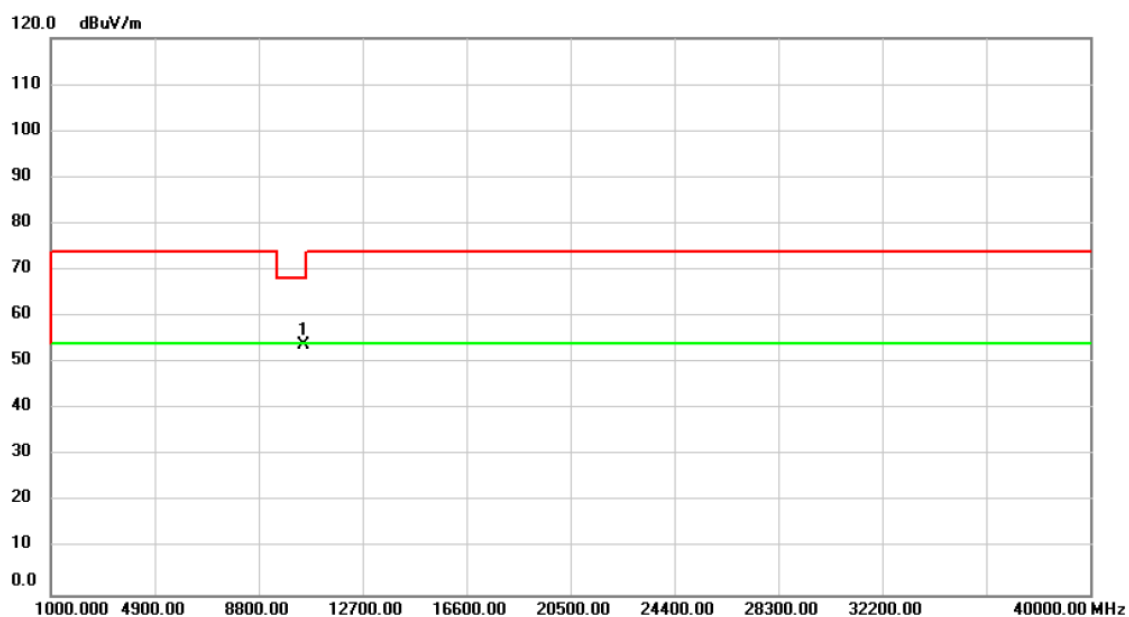
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |                  |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|------------------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector Comment |
| 1   | *   | 10480.00 | 52.43         | 1.69           | 54.12       | 68.20  | -14.08 | peak             |

|           |                          |              |            |
|-----------|--------------------------|--------------|------------|
| Test MODE | UNII-1_TX A MODE 5240MHz | Polarization | Horizontal |
|-----------|--------------------------|--------------|------------|



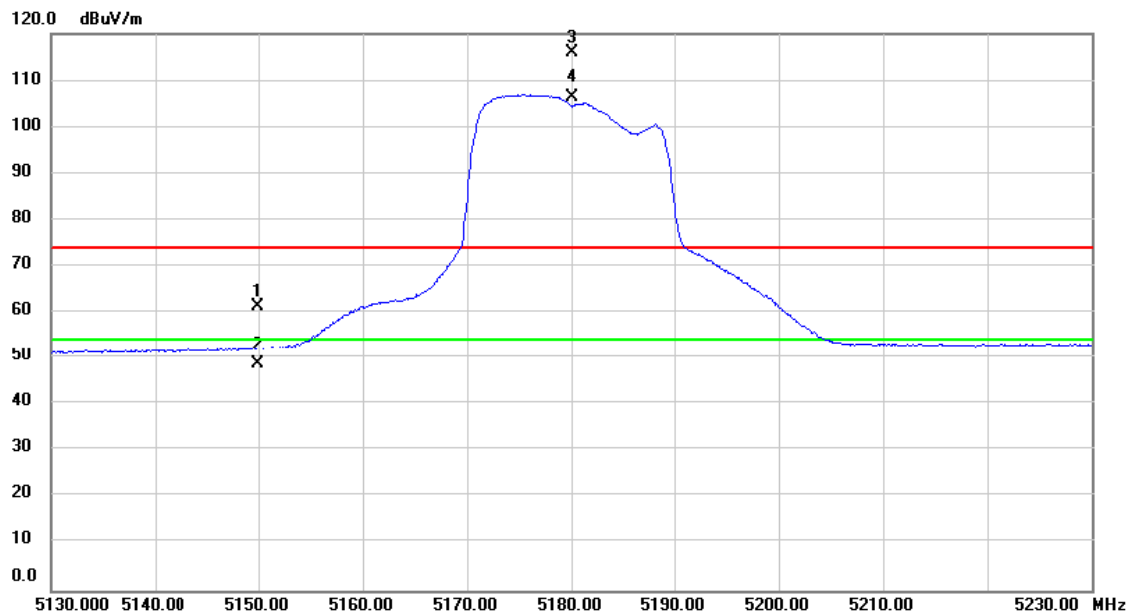
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   | X   | 5240.000     | 69.16                    | 37.40                   | 106.56                     | 74.00           | 32.56      | peak     | No Limit |
| 2   | *   | 5240.000     | 59.50                    | 37.40                   | 96.90                      | 54.00           | 42.90      | AVG      | No Limit |

|           |                           |              |            |
|-----------|---------------------------|--------------|------------|
| Test MODE | UNII-1_ TX A MODE 5240MHz | Polarization | Horizontal |
|-----------|---------------------------|--------------|------------|



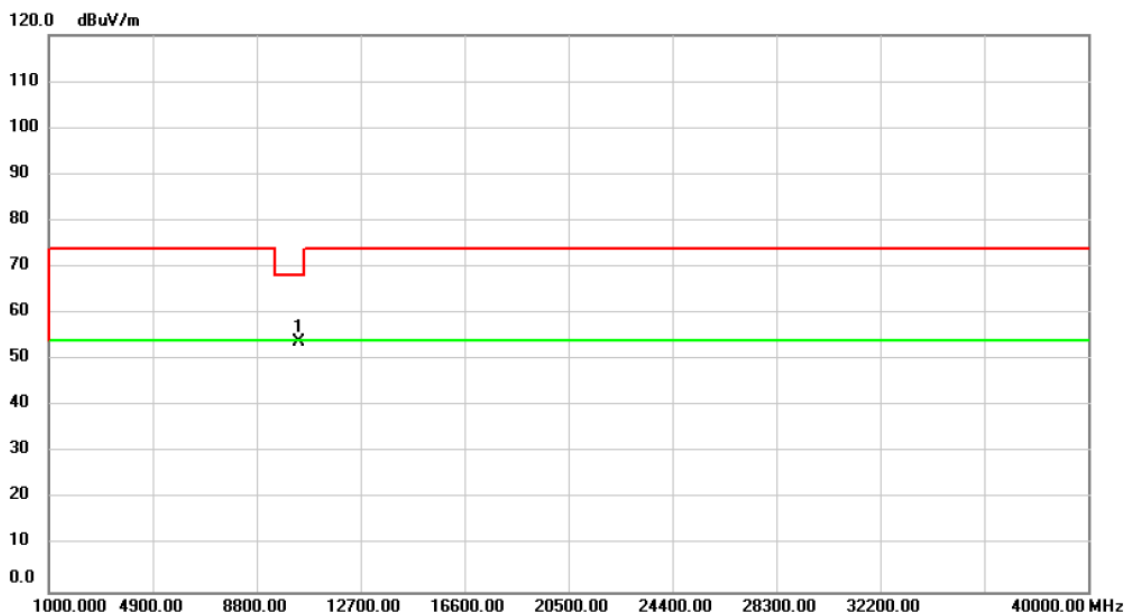
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |                  |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|------------------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector Comment |
| 1   | *   | 10480.00 | 52.31         | 1.69           | 54.00       | 68.20  | -14.20 | peak             |

|           |                                 |              |          |
|-----------|---------------------------------|--------------|----------|
| Test MODE | UNII-1_TX N (HT20) MODE 5180MHz | Polarization | Vertical |
|-----------|---------------------------------|--------------|----------|



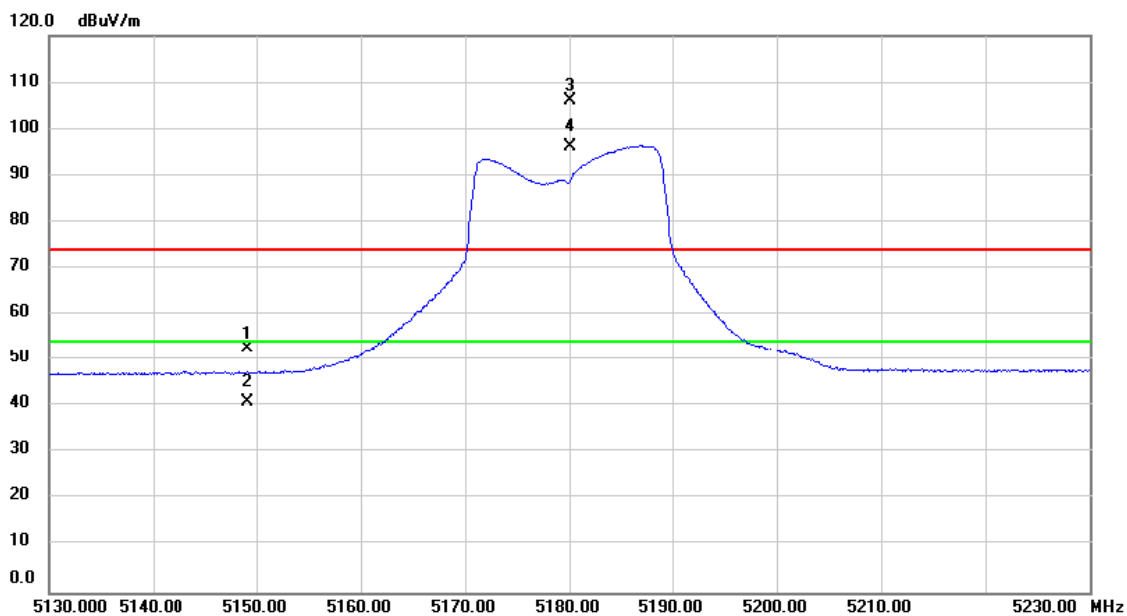
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5149.960     | 23.90                    | 37.30                   | 61.20                      | 74.00           | -12.80     | peak     |          |
| 2   |     | 5149.960     | 11.39                    | 37.30                   | 48.69                      | 54.00           | -5.31      | AVG      |          |
| 3   | X   | 5180.000     | 78.54                    | 37.34                   | 115.88                     | 74.00           | 41.88      | peak     | No Limit |
| 4   | *   | 5180.000     | 69.15                    | 37.34                   | 106.49                     | 54.00           | 52.49      | AVG      | No Limit |

|           |                                 |              |          |
|-----------|---------------------------------|--------------|----------|
| Test MODE | UNII-1_TX N (HT20) MODE 5180MHz | Polarization | Vertical |
|-----------|---------------------------------|--------------|----------|



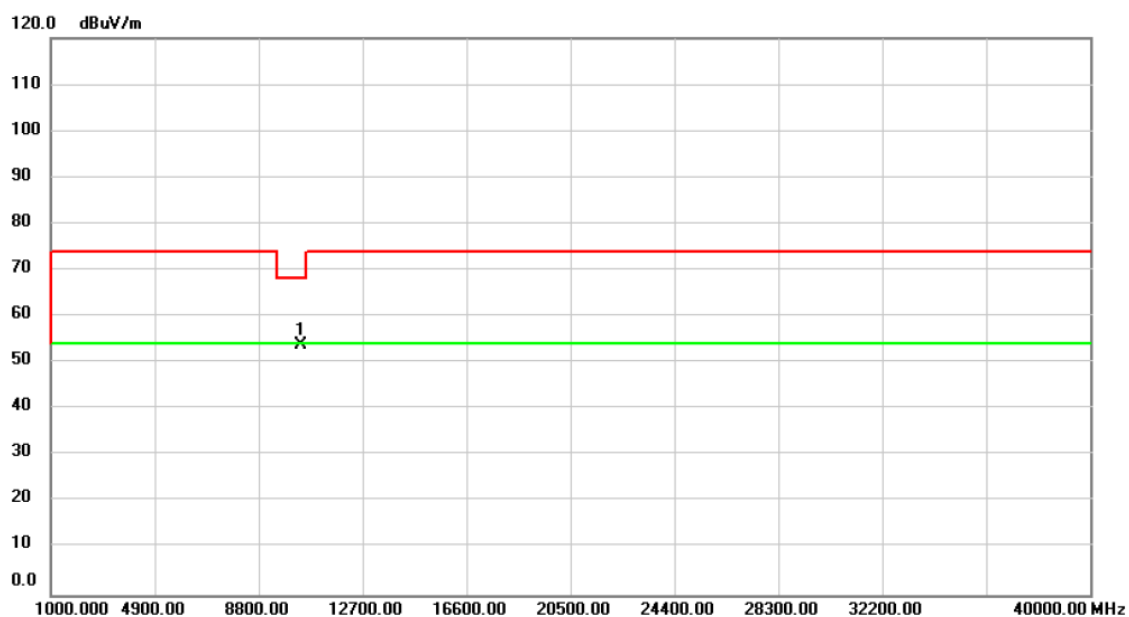
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |                  |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|------------------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector Comment |
| 1   | *   | 10360.00 | 52.26         | 1.57           | 53.83       | 68.20  | -14.37 | peak             |

|           |                                 |              |            |
|-----------|---------------------------------|--------------|------------|
| Test MODE | UNII-1_TX N (HT20) MODE 5180MHz | Polarization | Horizontal |
|-----------|---------------------------------|--------------|------------|



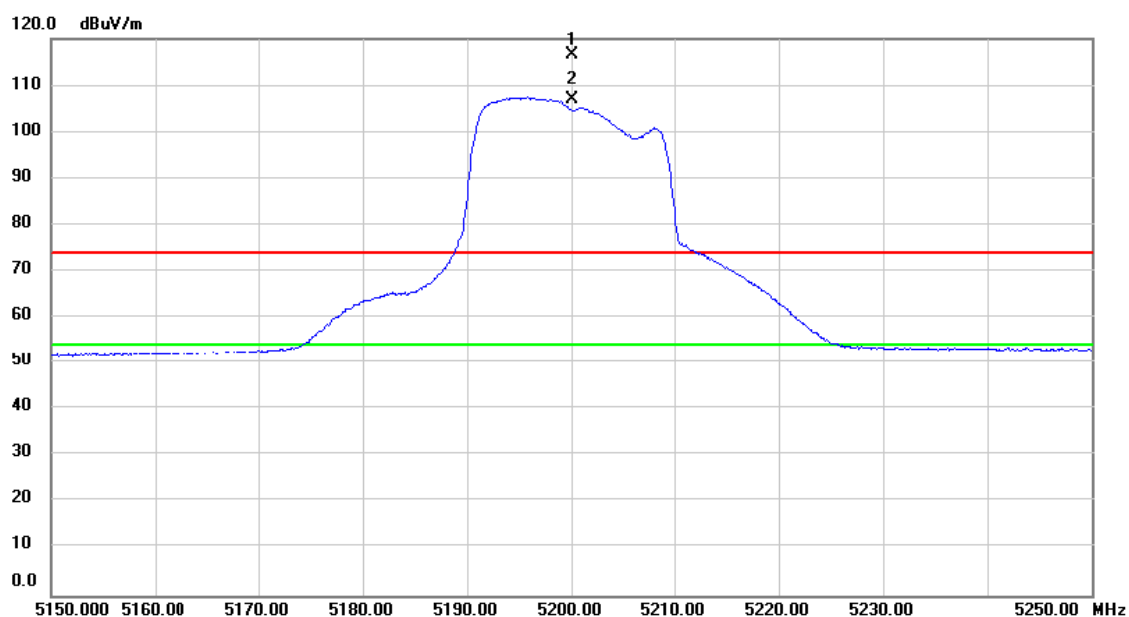
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5149.100     | 15.29                    | 37.30                   | 52.59                      | 74.00           | -21.41     | peak     |          |
| 2   |     | 5149.100     | 3.62                     | 37.30                   | 40.92                      | 54.00           | -13.08     | AVG      |          |
| 3   | X   | 5180.000     | 68.71                    | 37.34                   | 106.05                     | 74.00           | 32.05      | peak     | No Limit |
| 4   | *   | 5180.000     | 58.95                    | 37.34                   | 96.29                      | 54.00           | 42.29      | AVG      | No Limit |

|           |                                 |              |            |
|-----------|---------------------------------|--------------|------------|
| Test MODE | UNII-1_TX N (HT20) MODE 5180MHz | Polarization | Horizontal |
|-----------|---------------------------------|--------------|------------|



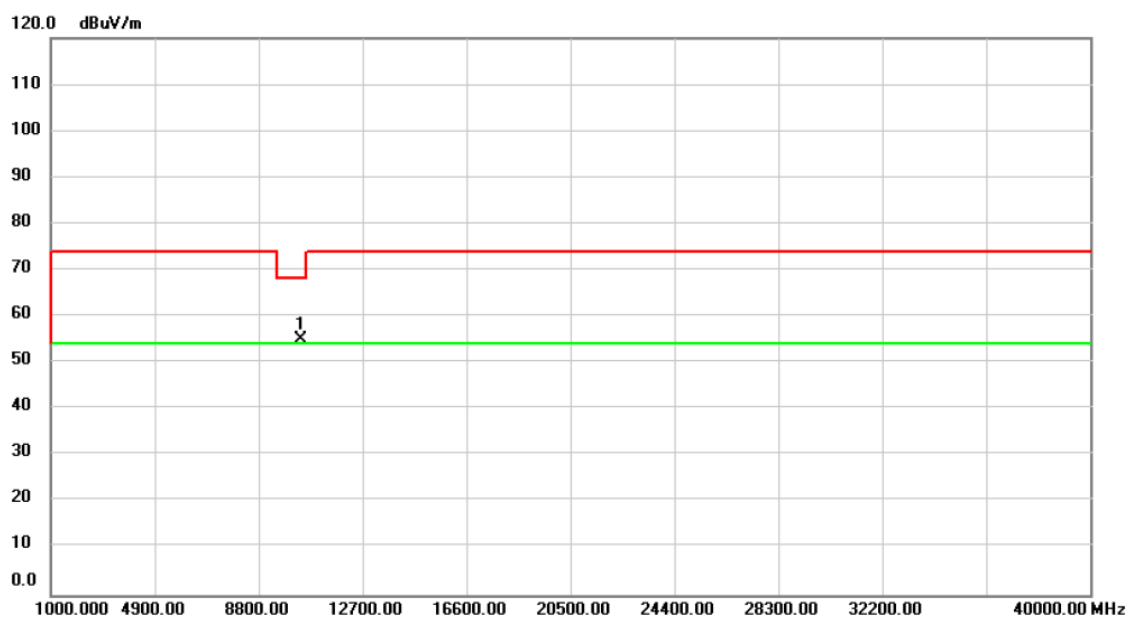
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 10360.00 | 52.19         | 1.57           | 53.76       | 68.20  | -14.44 | peak     |         |

|           |                                 |              |          |
|-----------|---------------------------------|--------------|----------|
| Test MODE | UNII-1_TX N (HT20) MODE 5200MHz | Polarization | Vertical |
|-----------|---------------------------------|--------------|----------|



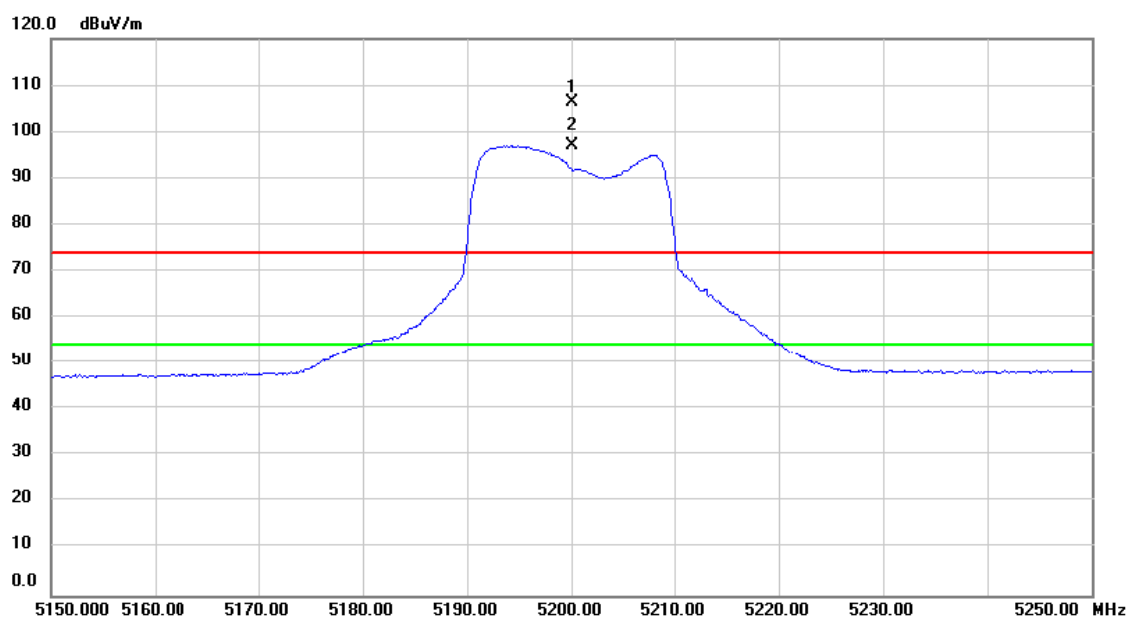
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   | X   | 5200.000     | 79.04                    | 37.36                   | 116.40                     | 74.00           | 42.40      | peak     | No Limit |
| 2   | *   | 5200.000     | 69.52                    | 37.36                   | 106.88                     | 54.00           | 52.88      | AVG      | No Limit |

|           |                                 |              |          |
|-----------|---------------------------------|--------------|----------|
| Test MODE | UNII-1_TX N (HT20) MODE 5200MHz | Polarization | Vertical |
|-----------|---------------------------------|--------------|----------|



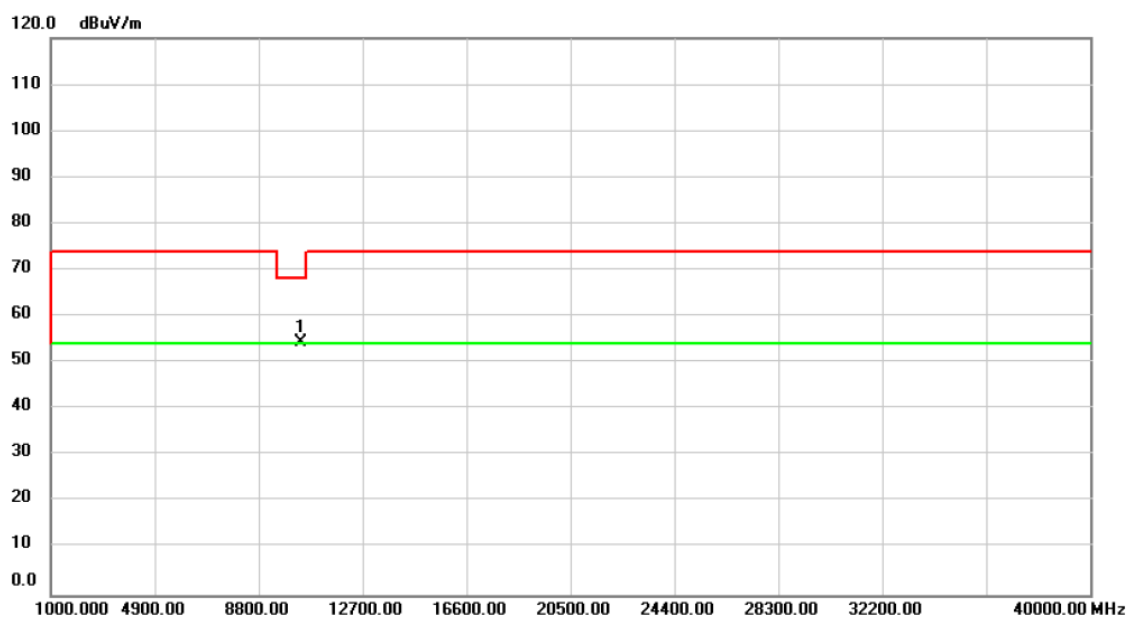
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |                  |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|------------------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector Comment |
| 1   | *   | 10400.00 | 53.56         | 1.62           | 55.18       | 68.20  | -13.02 | peak             |

|           |                                 |              |            |
|-----------|---------------------------------|--------------|------------|
| Test MODE | UNII-1_TX N (HT20) MODE 5200MHz | Polarization | Horizontal |
|-----------|---------------------------------|--------------|------------|



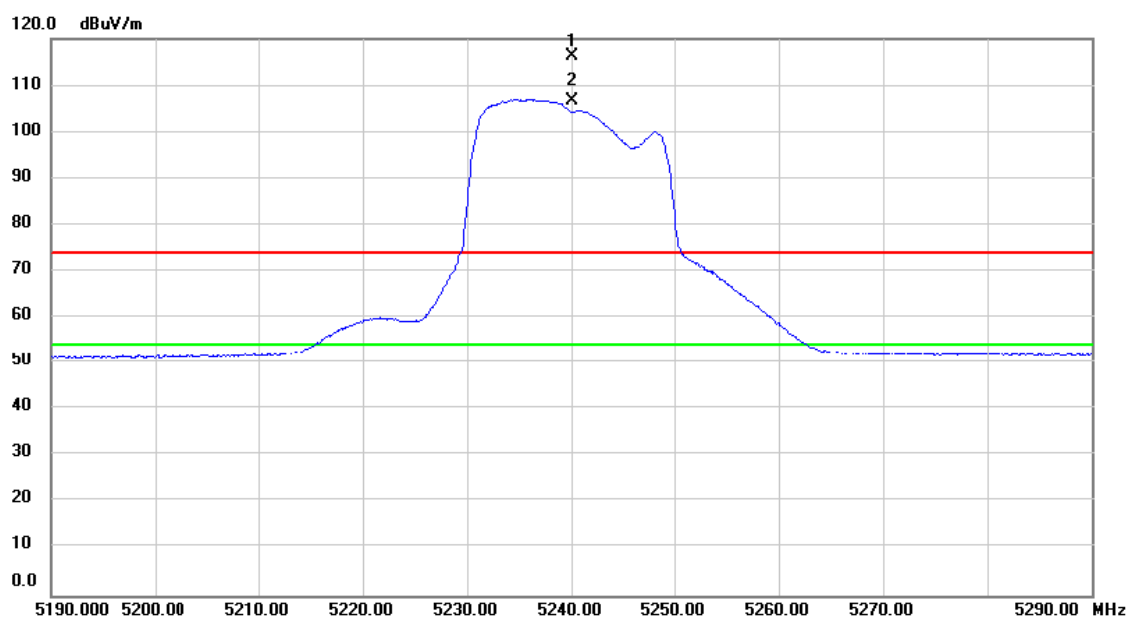
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   | X   | 5200.000     | 69.03                    | 37.36                   | 106.39                     | 74.00           | 32.39      | peak     | No Limit |
| 2   | *   | 5200.000     | 59.54                    | 37.36                   | 96.90                      | 54.00           | 42.90      | AVG      | No Limit |

|           |                                  |              |            |
|-----------|----------------------------------|--------------|------------|
| Test MODE | UNII-1_ TX N (HT20) MODE 5200MHz | Polarization | Horizontal |
|-----------|----------------------------------|--------------|------------|



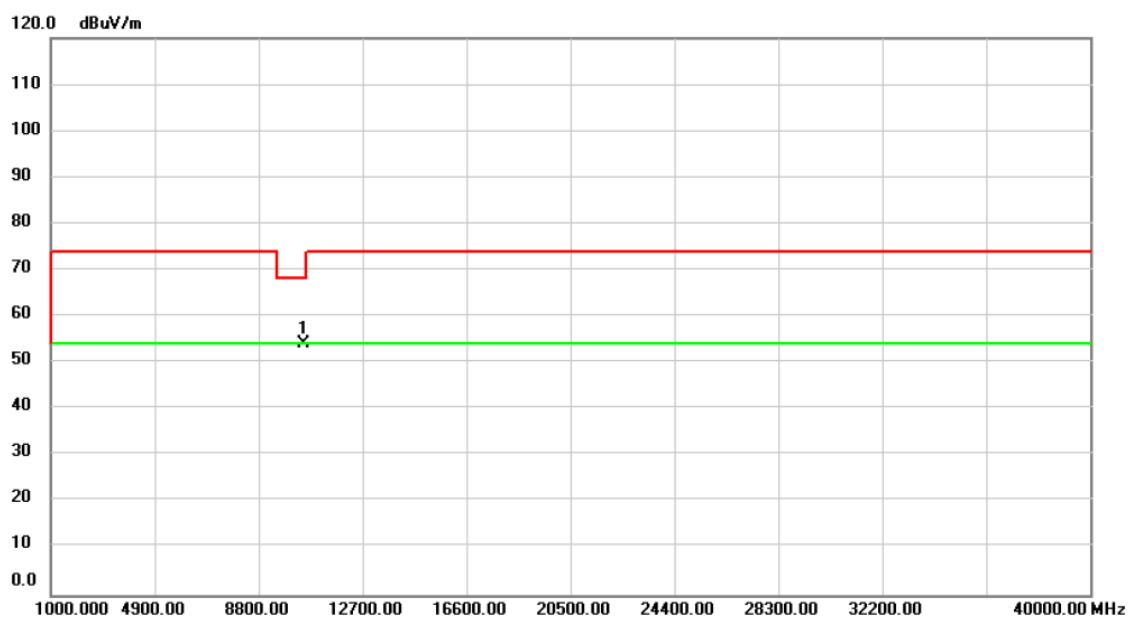
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 10400.00 | 52.90         | 1.62           | 54.52       | 68.20  | -13.68 | peak     |         |

|           |                                  |              |          |
|-----------|----------------------------------|--------------|----------|
| Test MODE | UNII-1_ TX N (HT20) MODE 5240MHz | Polarization | Vertical |
|-----------|----------------------------------|--------------|----------|



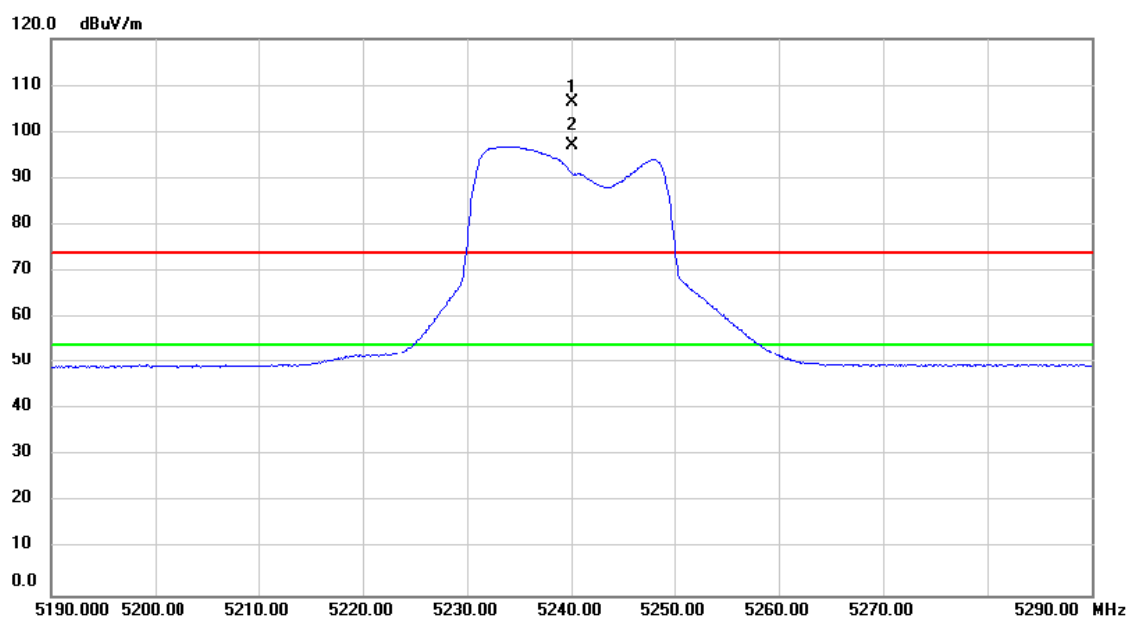
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   | X   | 5240.000     | 78.80                    | 37.40                   | 116.20                     | 74.00           | 42.20      | peak     | No Limit |
| 2   | *   | 5240.000     | 69.33                    | 37.40                   | 106.73                     | 54.00           | 52.73      | AVG      | No Limit |

|           |                                 |              |          |
|-----------|---------------------------------|--------------|----------|
| Test MODE | UNII-1_TX N (HT20) MODE 5240MHz | Polarization | Vertical |
|-----------|---------------------------------|--------------|----------|



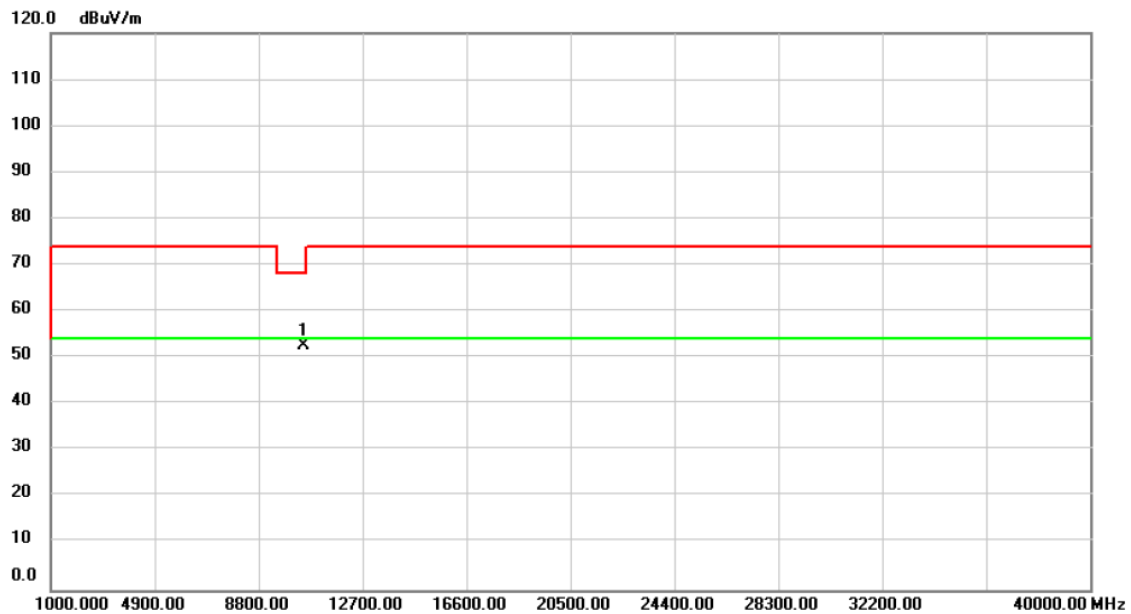
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |                  |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|------------------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector Comment |
| 1   | *   | 10480.00 | 52.43         | 1.69           | 54.12       | 68.20  | -14.08 | peak             |

|           |                                 |              |            |
|-----------|---------------------------------|--------------|------------|
| Test MODE | UNII-1_TX N (HT20) MODE 5240MHz | Polarization | Horizontal |
|-----------|---------------------------------|--------------|------------|



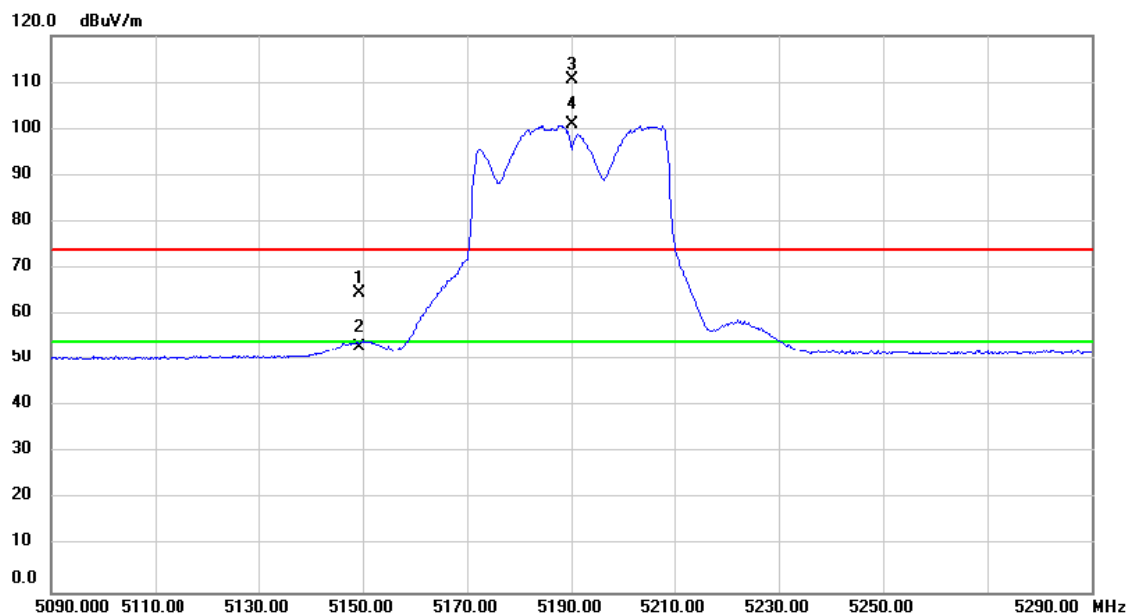
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   | X   | 5240.000     | 68.97                    | 37.40                   | 106.37                     | 74.00           | 32.37      | peak     | No Limit |
| 2   | *   | 5240.000     | 59.53                    | 37.40                   | 96.93                      | 54.00           | 42.93      | AVG      | No Limit |

|           |                                 |              |            |
|-----------|---------------------------------|--------------|------------|
| Test MODE | UNII-1_TX N (HT20) MODE 5240MHz | Polarization | Horizontal |
|-----------|---------------------------------|--------------|------------|



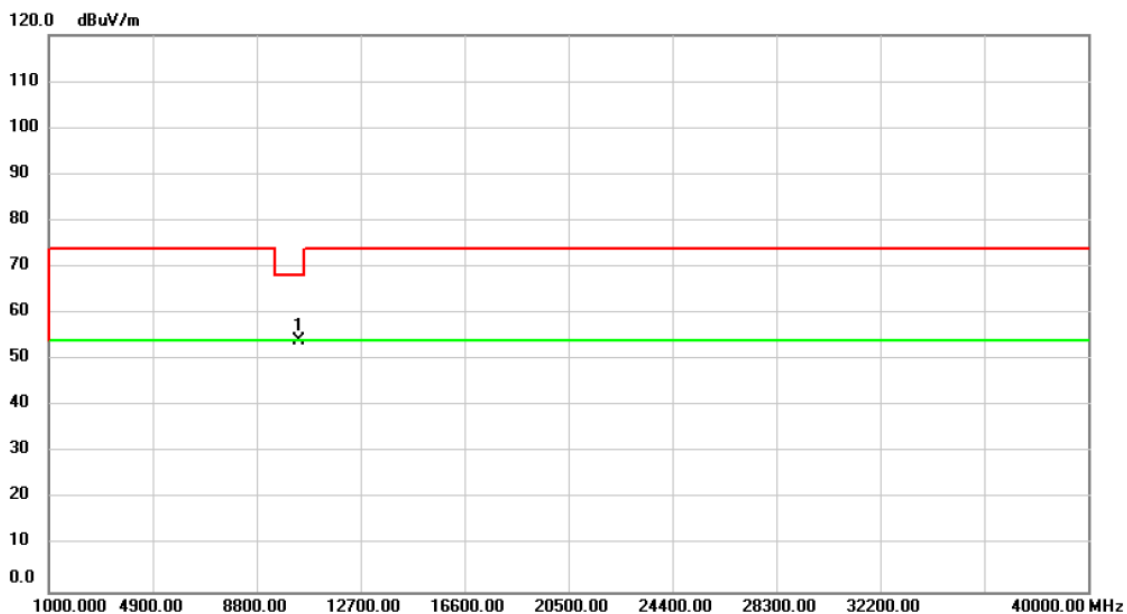
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |                  |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|------------------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector Comment |
| 1   | *   | 10480.00 | 51.01         | 1.69           | 52.70       | 68.20  | -15.50 | peak             |

|           |                                 |              |          |
|-----------|---------------------------------|--------------|----------|
| Test MODE | UNII-1_TX N (HT40) MODE 5190MHz | Polarization | Vertical |
|-----------|---------------------------------|--------------|----------|



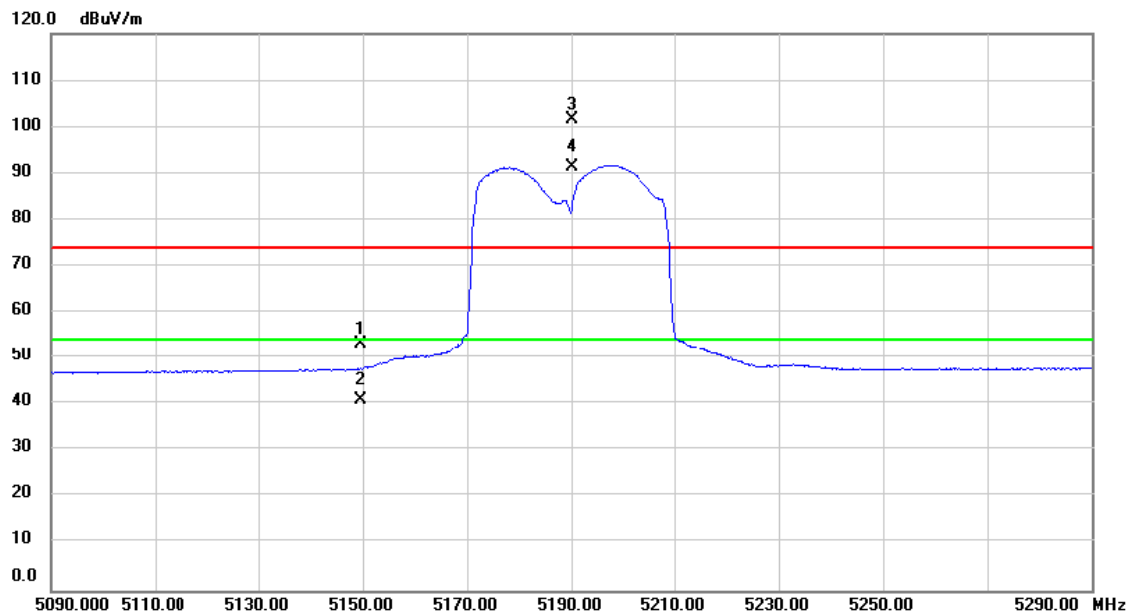
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5149.400     | 27.35                    | 37.30                   | 64.65                      | 74.00           | -9.35      | peak     |          |
| 2   |     | 5149.400     | 15.61                    | 37.30                   | 52.91                      | 54.00           | -1.09      | AVG      |          |
| 3   | X   | 5190.000     | 73.24                    | 37.34                   | 110.58                     | 74.00           | 36.58      | peak     | No Limit |
| 4   | *   | 5190.000     | 63.69                    | 37.34                   | 101.03                     | 54.00           | 47.03      | AVG      | No Limit |

|           |                                 |              |          |
|-----------|---------------------------------|--------------|----------|
| Test MODE | UNII-1_TX N (HT40) MODE 5190MHz | Polarization | Vertical |
|-----------|---------------------------------|--------------|----------|



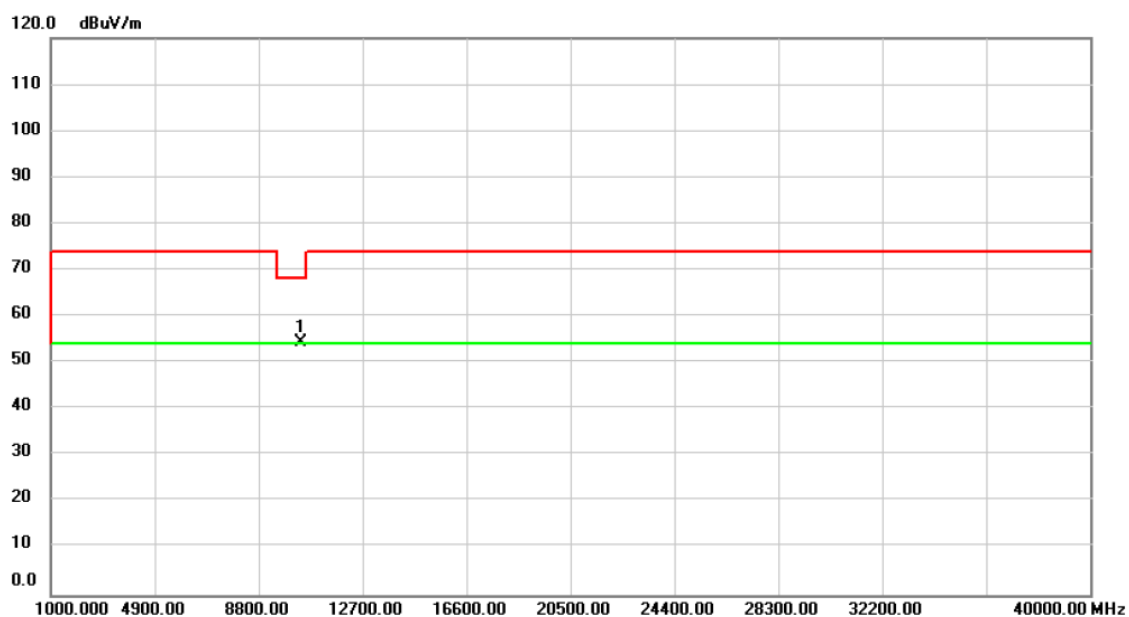
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |                  |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|------------------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector Comment |
| 1   | *   | 10380.00 | 52.43         | 1.59           | 54.02       | 68.20  | -14.18 | peak             |

|           |                                 |              |            |
|-----------|---------------------------------|--------------|------------|
| Test MODE | UNII-1_TX N (HT40) MODE 5190MHz | Polarization | Horizontal |
|-----------|---------------------------------|--------------|------------|



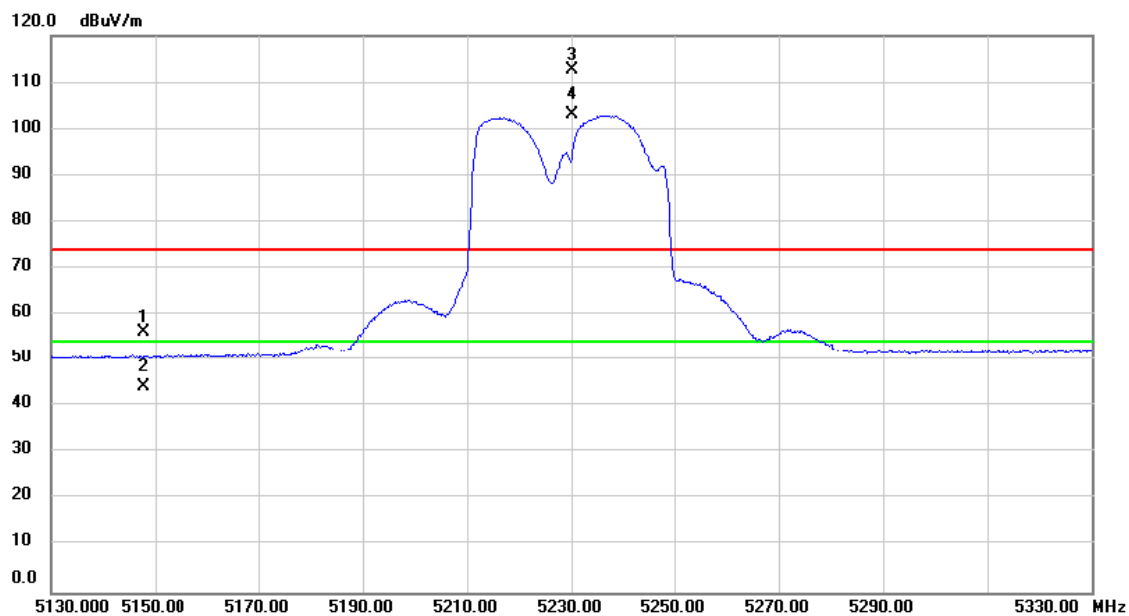
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5149.700     | 16.06                    | 37.30                   | 53.36                      | 74.00           | -20.64     | peak     |          |
| 2   |     | 5149.700     | 3.77                     | 37.30                   | 41.07                      | 54.00           | -12.93     | AVG      |          |
| 3   | X   | 5190.000     | 64.09                    | 37.34                   | 101.43                     | 74.00           | 27.43      | peak     | No Limit |
| 4   | *   | 5190.000     | 54.12                    | 37.34                   | 91.46                      | 54.00           | 37.46      | AVG      | No Limit |

|           |                                 |              |            |
|-----------|---------------------------------|--------------|------------|
| Test MODE | UNII-1_TX N (HT40) MODE 5190MHz | Polarization | Horizontal |
|-----------|---------------------------------|--------------|------------|



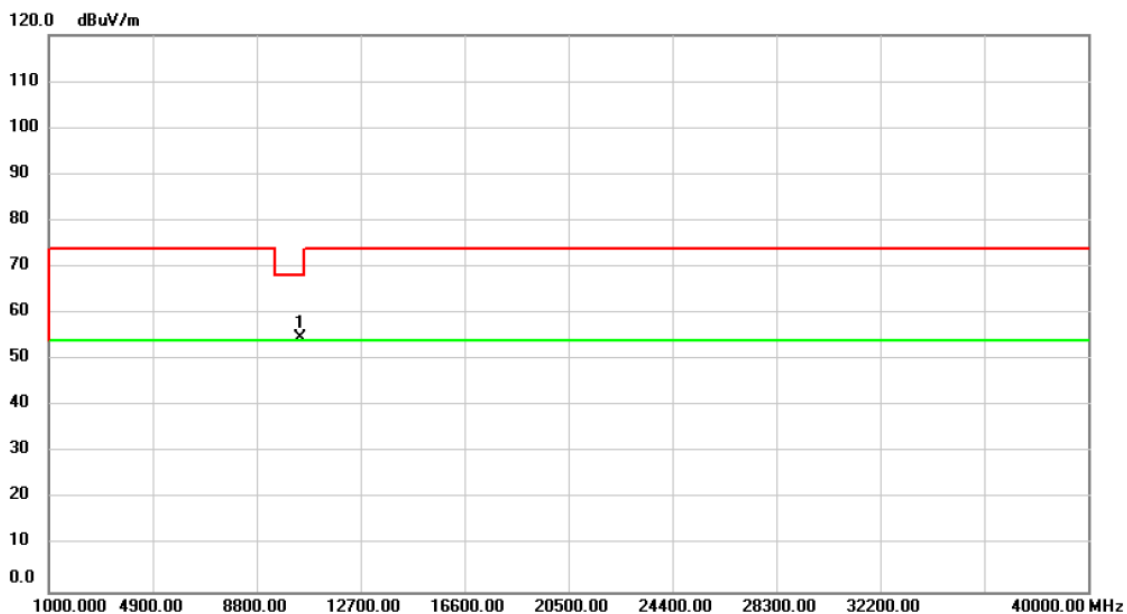
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |                  |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|------------------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector Comment |
| 1   | *   | 10380.00 | 52.86         | 1.59           | 54.45       | 68.20  | -13.75 | peak             |

|           |                                 |              |          |
|-----------|---------------------------------|--------------|----------|
| Test MODE | UNII-1_TX N (HT40) MODE 5230MHz | Polarization | Vertical |
|-----------|---------------------------------|--------------|----------|



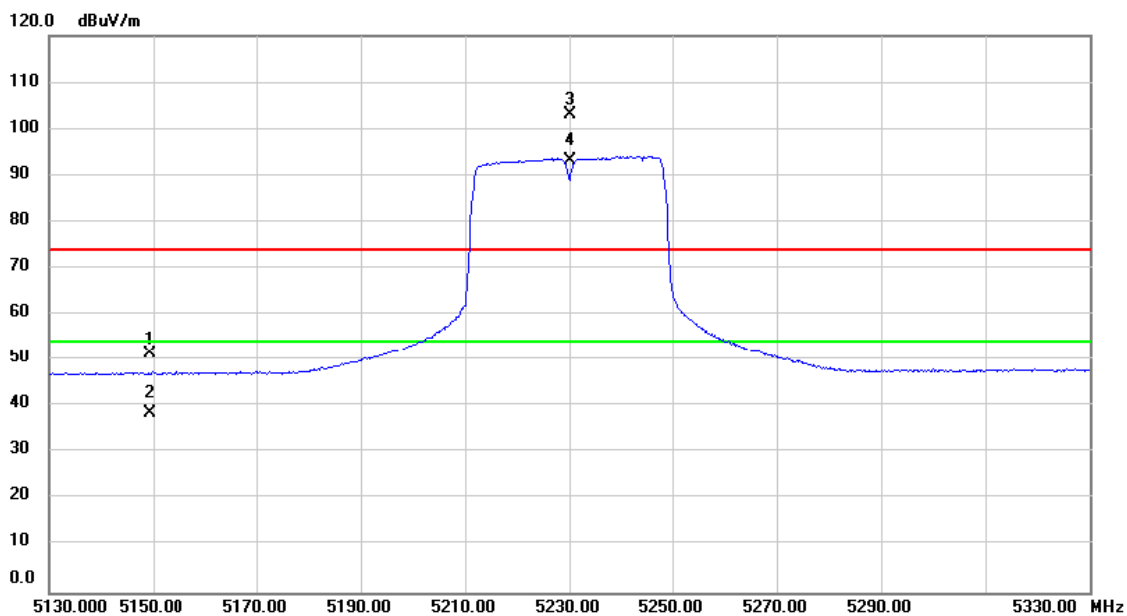
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5147.820     | 19.02                    | 37.30                   | 56.32                      | 74.00           | -17.68     | peak     |          |
| 2   |     | 5147.820     | 6.92                     | 37.30                   | 44.22                      | 54.00           | -9.78      | AVG      |          |
| 3   | X   | 5230.000     | 75.33                    | 37.40                   | 112.73                     | 74.00           | 38.73      | peak     | No Limit |
| 4   | *   | 5230.000     | 65.58                    | 37.40                   | 102.98                     | 54.00           | 48.98      | AVG      | No Limit |

|           |                                 |              |          |
|-----------|---------------------------------|--------------|----------|
| Test MODE | UNII-1_TX N (HT40) MODE 5230MHz | Polarization | Vertical |
|-----------|---------------------------------|--------------|----------|



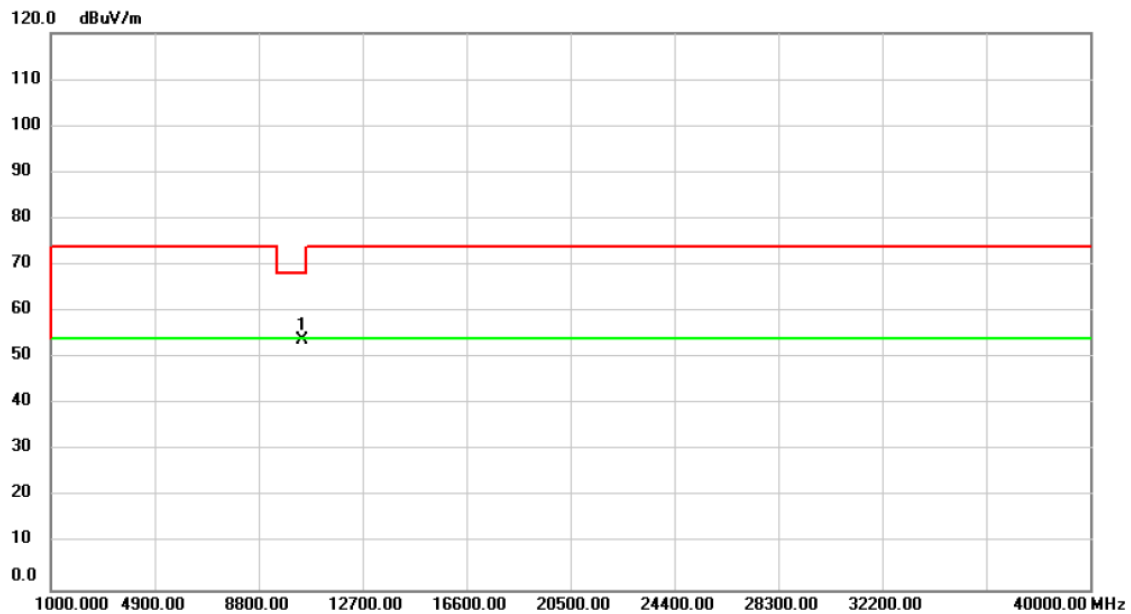
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |                  |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|------------------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector Comment |
| 1   | *   | 10460.00 | 52.99         | 1.68           | 54.67       | 68.20  | -13.53 | peak             |

|           |                                 |              |            |
|-----------|---------------------------------|--------------|------------|
| Test MODE | UNII-1_TX N (HT40) MODE 5230MHz | Polarization | Horizontal |
|-----------|---------------------------------|--------------|------------|



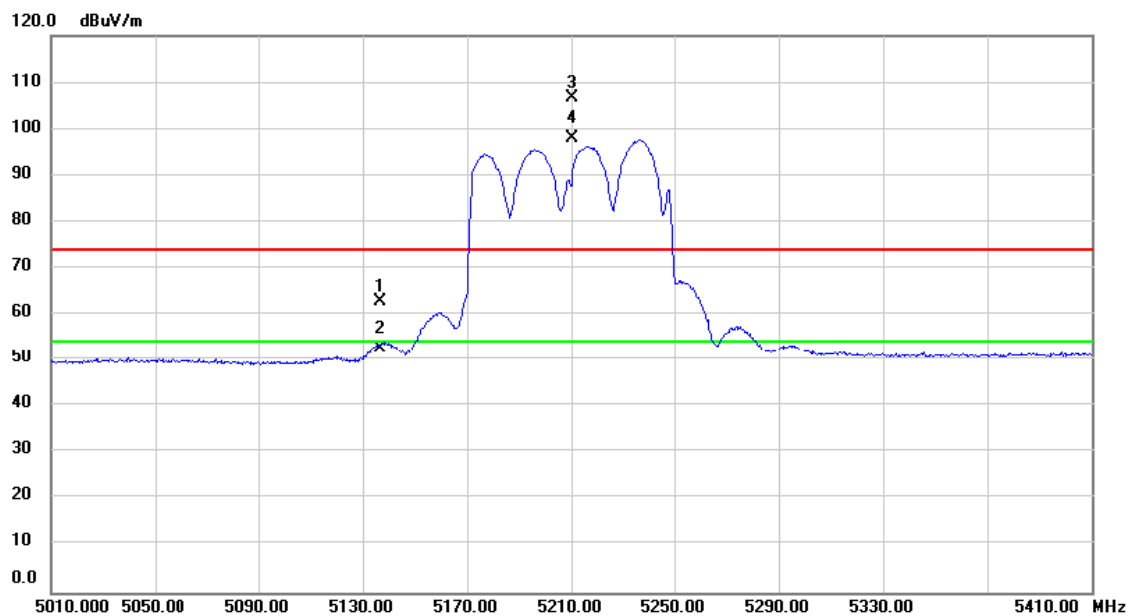
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5149.320     | 14.05                    | 37.30                   | 51.35                      | 74.00           | -22.65     | peak     |          |
| 2   |     | 5149.320     | 1.17                     | 37.30                   | 38.47                      | 54.00           | -15.53     | AVG      |          |
| 3   | X   | 5230.000     | 65.79                    | 37.40                   | 103.19                     | 74.00           | 29.19      | peak     | No Limit |
| 4   | *   | 5230.000     | 55.78                    | 37.40                   | 93.18                      | 54.00           | 39.18      | AVG      | No Limit |

|           |                                 |              |            |
|-----------|---------------------------------|--------------|------------|
| Test MODE | UNII-1_TX N (HT40) MODE 5230MHz | Polarization | Horizontal |
|-----------|---------------------------------|--------------|------------|



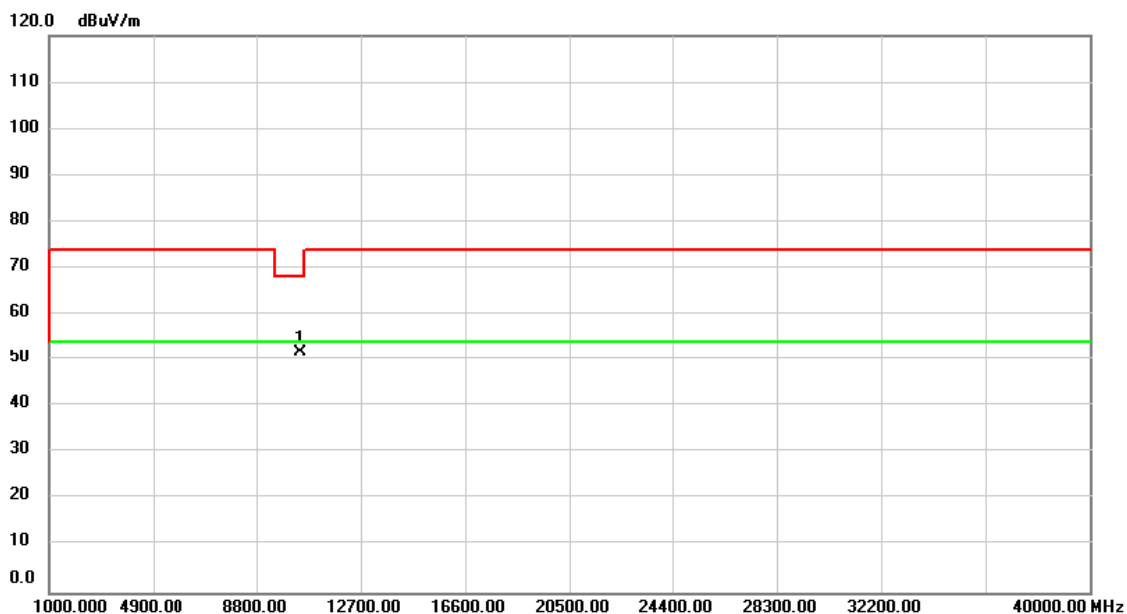
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |                  |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|------------------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector Comment |
| 1   | *   | 10460.00 | 52.32         | 1.68           | 54.00       | 68.20  | -14.20 | peak             |

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test MODE | UNII-1_TX AC (VHT80) MODE 5210MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|



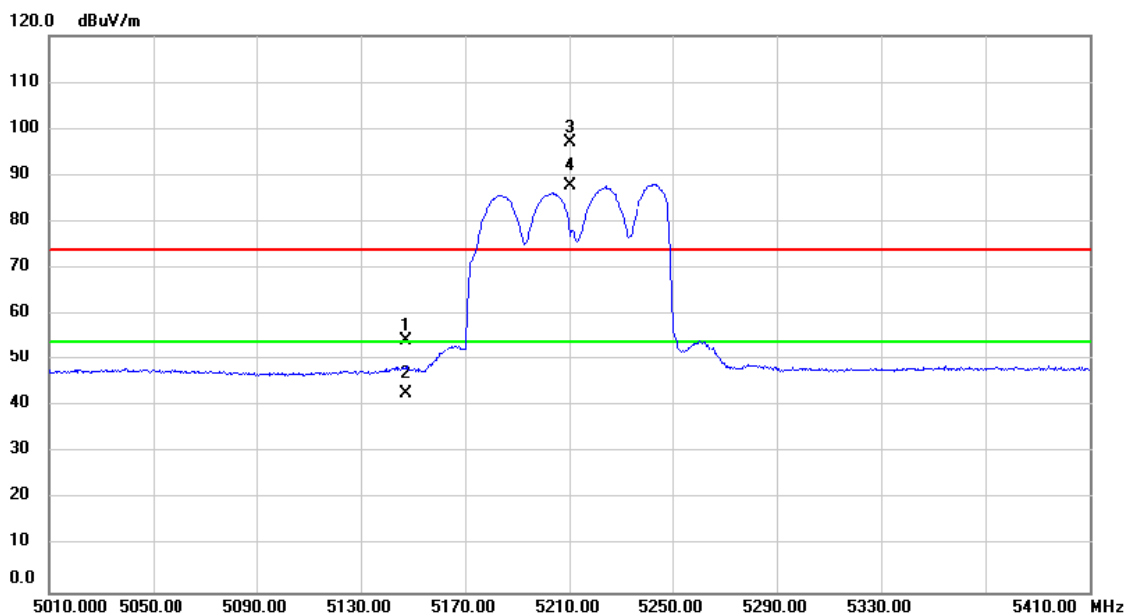
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5136.840     | 25.70                    | 37.29                   | 62.99                      | 74.00           | -11.01     | peak     |          |
| 2   |     | 5136.840     | 15.39                    | 37.29                   | 52.68                      | 54.00           | -1.32      | AVG      |          |
| 3   | X   | 5210.000     | 69.24                    | 37.38                   | 106.62                     | 74.00           | 32.62      | peak     | No Limit |
| 4   | *   | 5210.000     | 60.43                    | 37.38                   | 97.81                      | 54.00           | 43.81      | AVG      | No Limit |

|           |                                   |              |          |
|-----------|-----------------------------------|--------------|----------|
| Test MODE | UNII-1_TX AC (VHT80) MODE 5210MHz | Polarization | Vertical |
|-----------|-----------------------------------|--------------|----------|



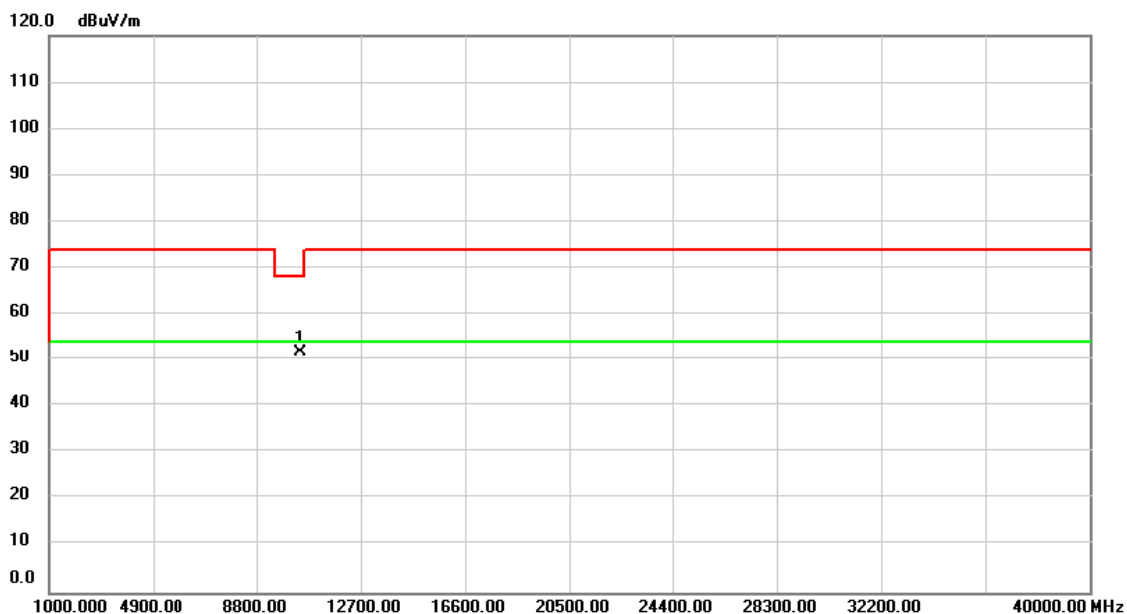
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   | *   | 10420.00     | 50.04                    | 1.64                    | 51.68                      | 68.20           | -16.52     | peak     |         |

|           |                                   |              |            |
|-----------|-----------------------------------|--------------|------------|
| Test MODE | UNII-1_TX AC (VHT80) MODE 5210MHz | Polarization | Horizontal |
|-----------|-----------------------------------|--------------|------------|



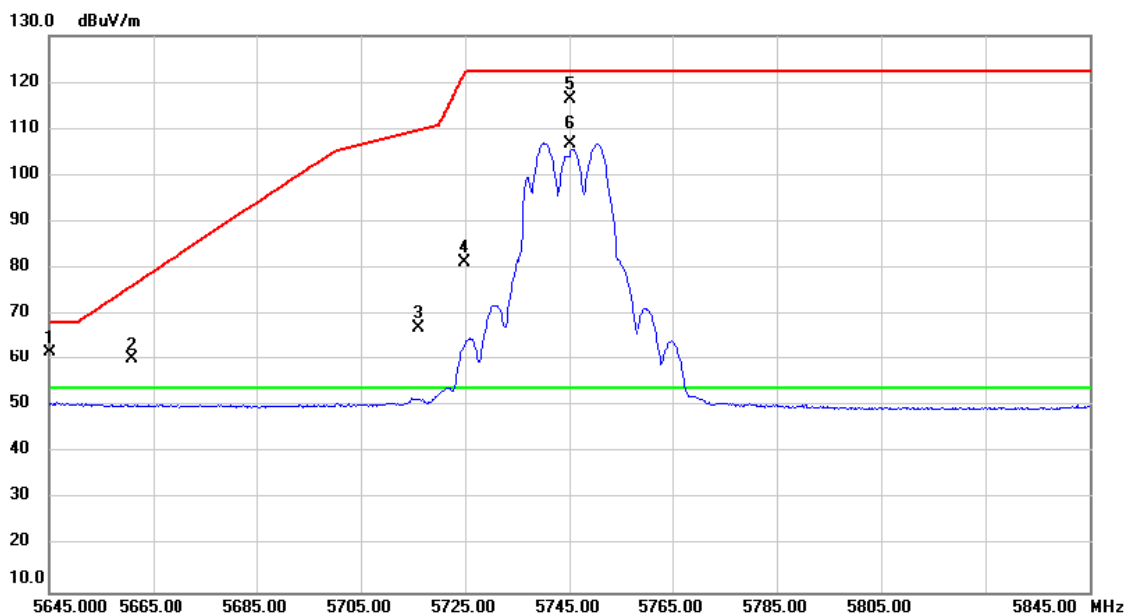
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5147.150     | 17.28                    | 37.30                   | 54.58                      | 74.00           | -19.42     | peak     |          |
| 2   |     | 5147.150     | 5.55                     | 37.30                   | 42.85                      | 54.00           | -11.15     | AVG      |          |
| 3   | X   | 5210.000     | 59.57                    | 37.38                   | 96.95                      | 74.00           | 22.95      | peak     | No Limit |
| 4   | *   | 5210.000     | 50.50                    | 37.38                   | 87.88                      | 54.00           | 33.88      | AVG      | No Limit |

|           |                                    |              |            |
|-----------|------------------------------------|--------------|------------|
| Test MODE | UNII-1_ TX AC (VHT80) MODE 5210MHz | Polarization | Horizontal |
|-----------|------------------------------------|--------------|------------|



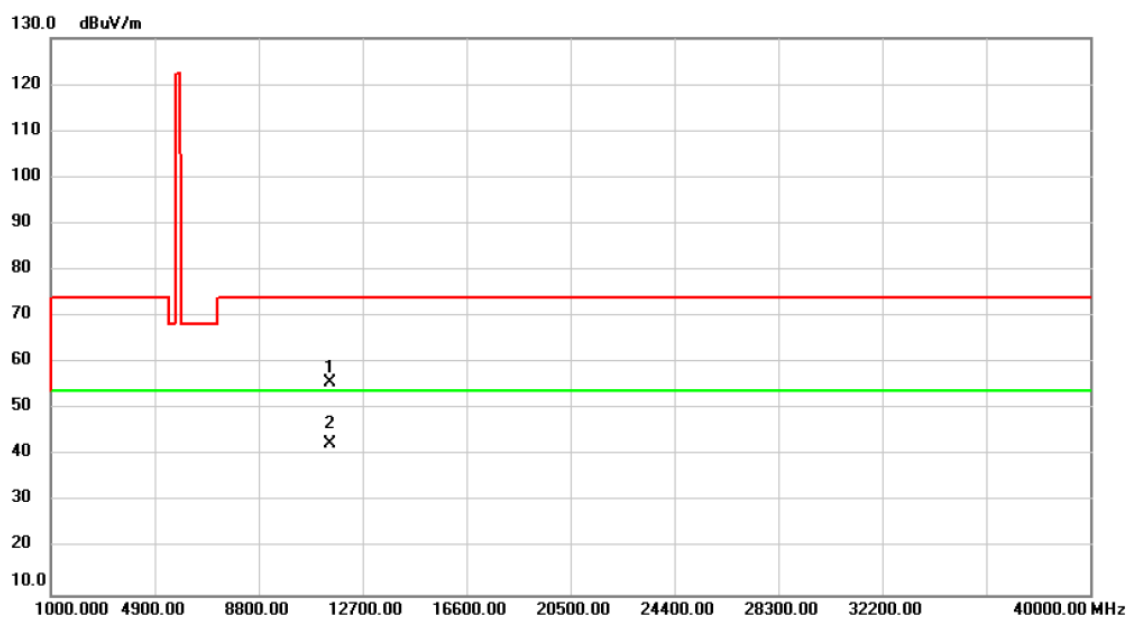
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   | *   | 10420.00     | 50.04                    | 1.64                    | 51.68                      | 68.20           | -16.52     | peak     |         |

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test MODE | UNII-3_TX A MODE 5745MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5645.095     | 23.87                    | 37.99                   | 61.86                      | 68.20           | -6.34      | peak     |          |
| 2   |     | 5660.900     | 22.22                    | 38.02                   | 60.24                      | 76.29           | -16.05     | peak     |          |
| 3   |     | 5716.180     | 28.91                    | 38.14                   | 67.05                      | 109.73          | -42.68     | peak     |          |
| 4   |     | 5724.980     | 43.22                    | 38.15                   | 81.37                      | 122.15          | -40.78     | peak     |          |
| 5   |     | 5745.000     | 78.09                    | 38.19                   | 116.28                     | 122.20          | -5.92      | peak     | No Limit |
| 6   | *   | 5745.000     | 68.55                    | 38.19                   | 106.74                     | 54.00           | 52.74      | AVG      | No Limit |

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test MODE | UNII-3_ TX A MODE 5745MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|

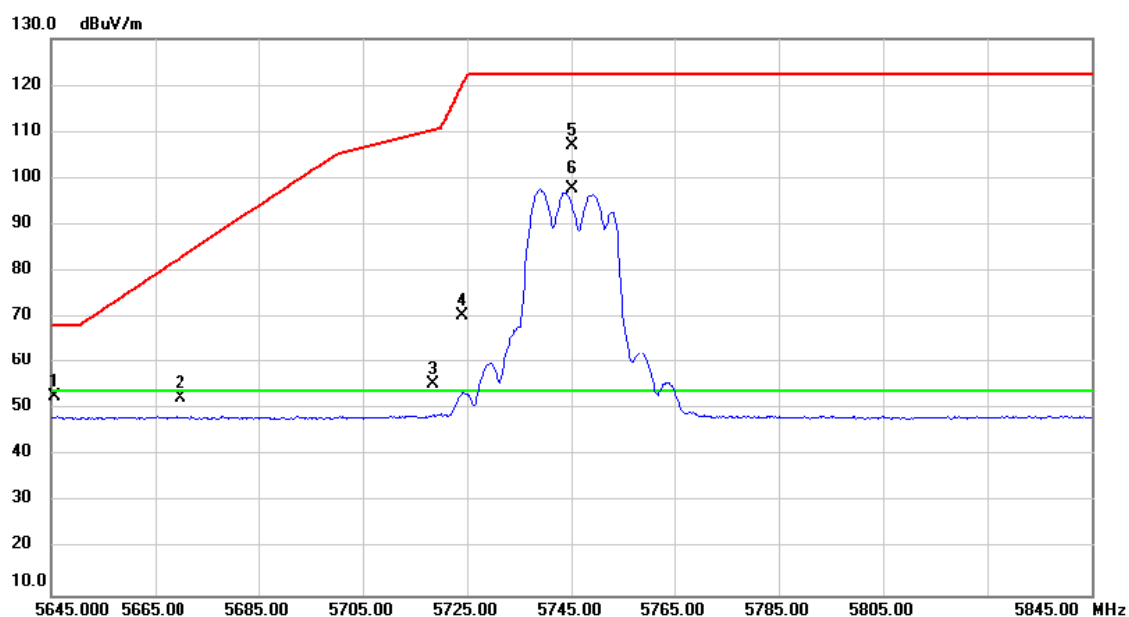


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11490.00     | 52.92                    | 2.89                    | 55.81                      | 74.00           | -18.19     | peak     |         |
| 2   | *   | 11490.00     | 39.53                    | 2.89                    | 42.42                      | 54.00           | -11.58     | AVG      |         |

Test MODE UNII-3\_TX A MODE 5745MHz

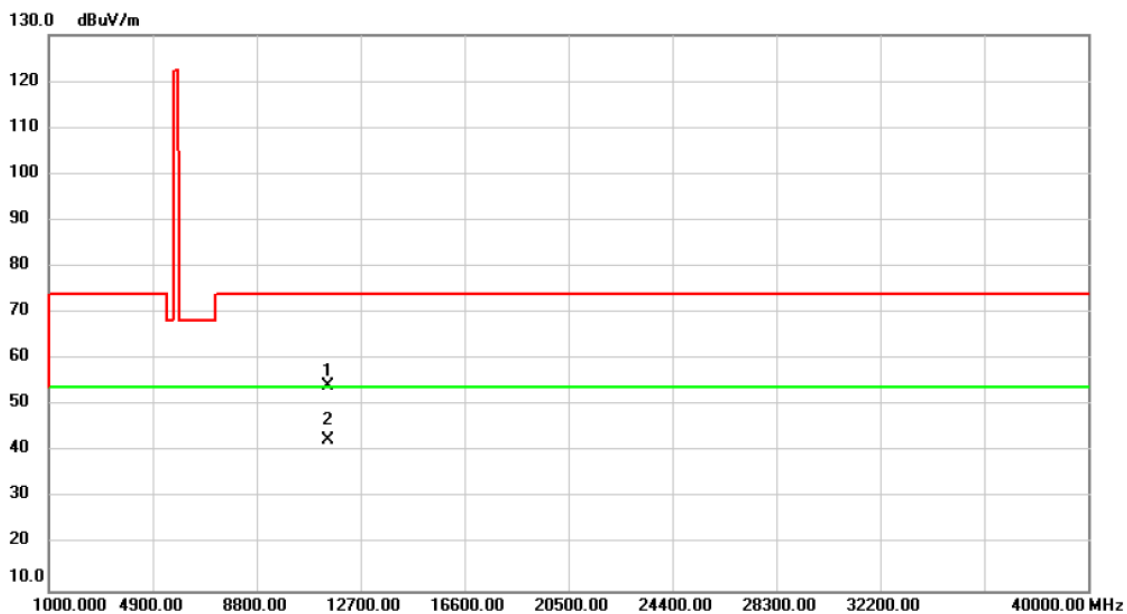
Polarization

Horizontal



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5645.665     | 14.82                    | 37.99                   | 52.81                      | 68.20           | -15.39     | peak     |          |
| 2   |     | 5670.000     | 14.51                    | 38.04                   | 52.55                      | 83.04           | -30.49     | peak     |          |
| 3   |     | 5718.460     | 17.21                    | 38.14                   | 55.35                      | 110.37          | -55.02     | peak     |          |
| 4   |     | 5724.185     | 32.30                    | 38.15                   | 70.45                      | 120.34          | -49.89     | peak     |          |
| 5   |     | 5745.000     | 68.84                    | 38.19                   | 107.03                     | 122.20          | -15.17     | peak     | No Limit |
| 6   | *   | 5745.000     | 59.54                    | 38.19                   | 97.73                      | 54.00           | 43.73      | AVG      | No Limit |

|           |                           |              |            |
|-----------|---------------------------|--------------|------------|
| Test MODE | UNII-3_ TX A MODE 5745MHz | Polarization | Horizontal |
|-----------|---------------------------|--------------|------------|

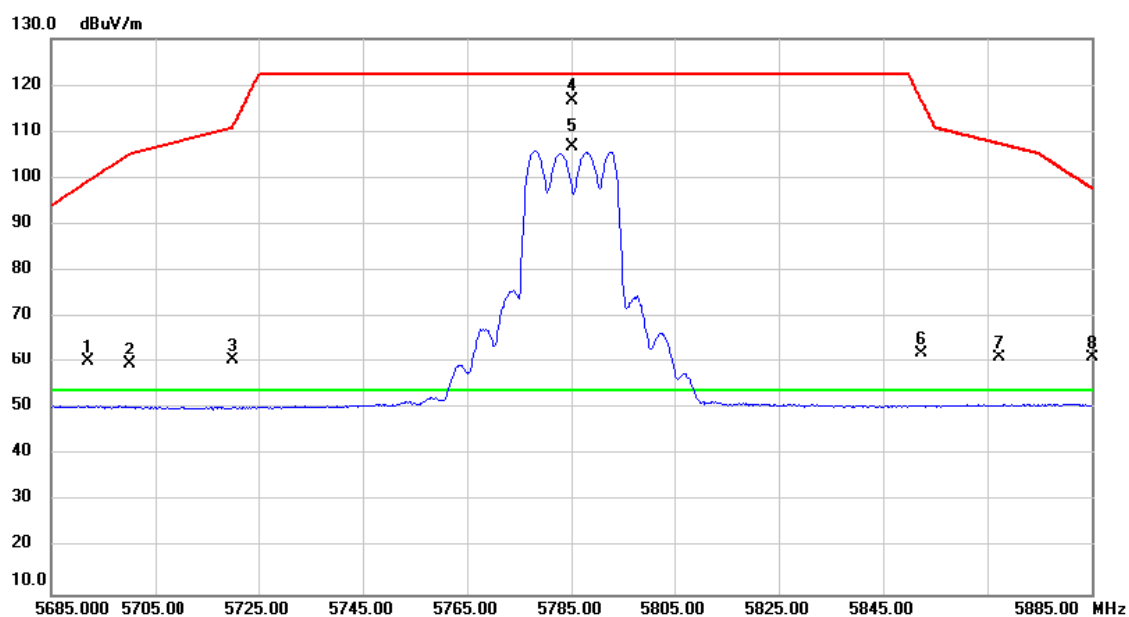


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11490.00     | 51.42                    | 2.89                    | 54.31                      | 74.00           | -19.69     | peak     |         |
| 2   | *   | 11490.00     | 39.56                    | 2.89                    | 42.45                      | 54.00           | -11.55     | AVG      |         |

Test MODE UNII-3\_TX A MODE 5785MHz

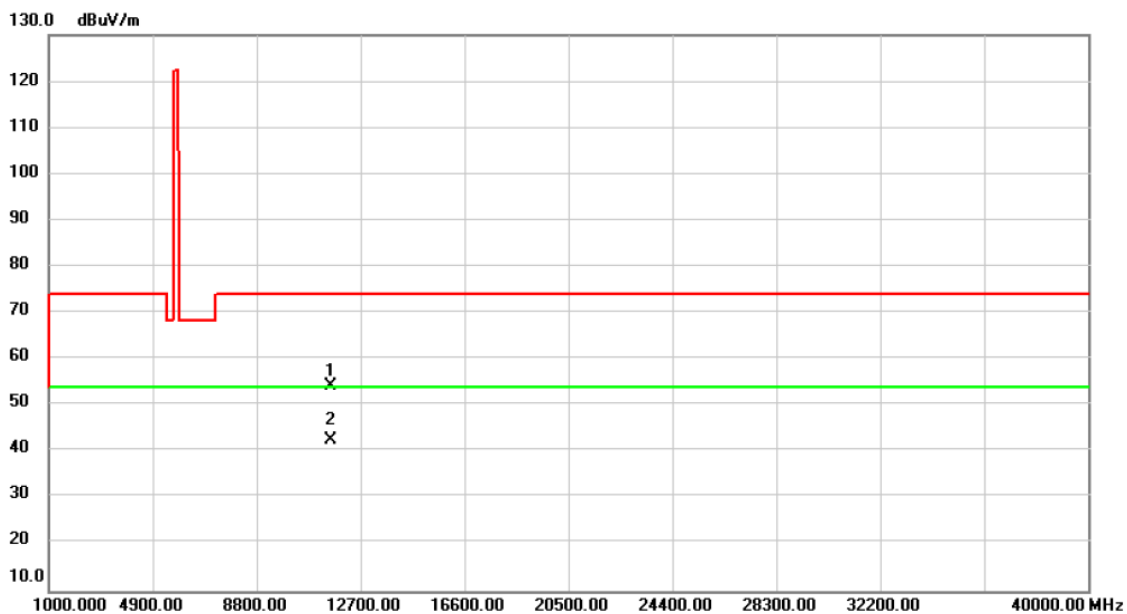
Polarization

Vertical



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5692.035     | 22.22                    | 38.09                   | 60.31                      | 99.33           | -39.02     | peak     |          |
| 2   |     | 5700.120     | 21.68                    | 38.10                   | 59.78                      | 105.23          | -45.45     | peak     |          |
| 3   |     | 5720.085     | 22.43                    | 38.14                   | 60.57                      | 110.99          | -50.42     | peak     |          |
| 4   |     | 5785.000     | 78.28                    | 38.28                   | 116.56                     | 122.20          | -5.64      | peak     | No Limit |
| 5   | *   | 5785.000     | 68.40                    | 38.28                   | 106.68                     | 54.00           | 52.68      | AVG      | No Limit |
| 6   |     | 5852.225     | 23.67                    | 38.41                   | 62.08                      | 117.13          | -55.05     | peak     |          |
| 7   |     | 5867.200     | 22.59                    | 38.45                   | 61.04                      | 107.38          | -46.34     | peak     |          |
| 8   |     | 5885.000     | 22.56                    | 38.49                   | 61.05                      | 97.77           | -36.72     | peak     |          |

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test MODE | UNII-3_ TX A MODE 5785MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|

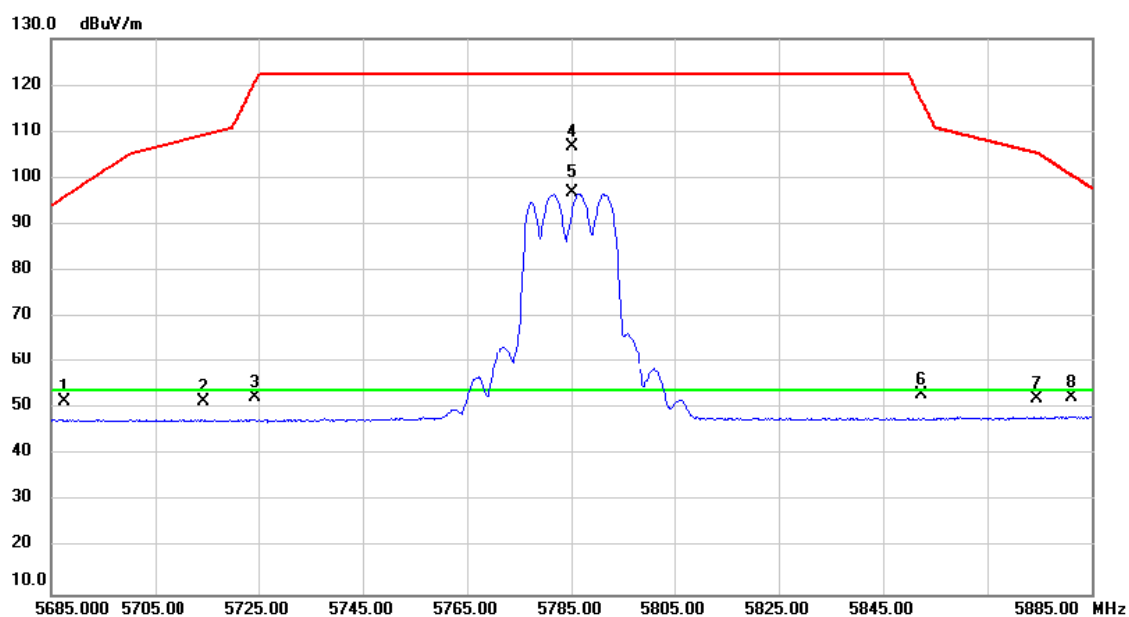


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11570.00     | 51.52                    | 2.72                    | 54.24                      | 74.00           | -19.76     | peak     |         |
| 2   | *   | 11570.00     | 39.86                    | 2.72                    | 42.58                      | 54.00           | -11.42     | AVG      |         |

Test MODE UNII-3\_ TX A MODE 5785MHz

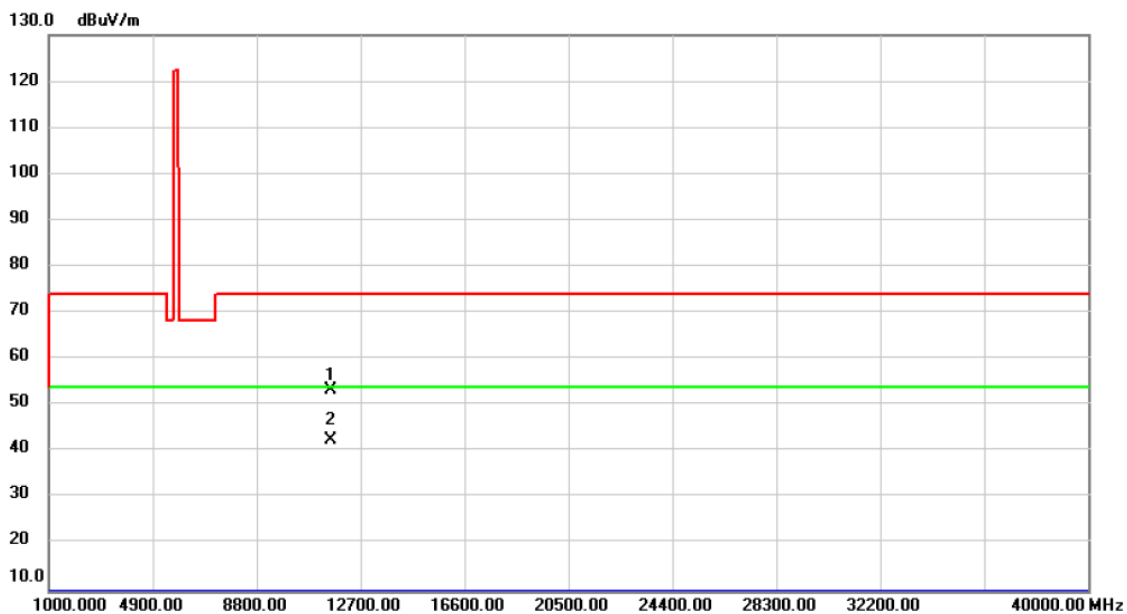
Polarization

Horizontal



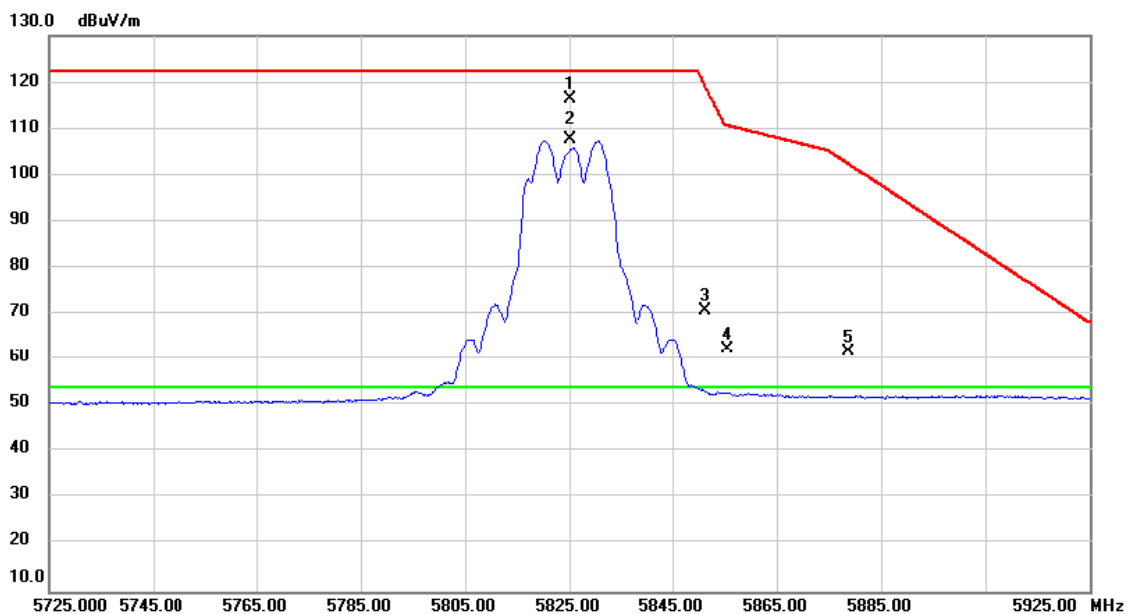
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5687.625     | 13.37                    | 38.08                   | 51.45                      | 96.07           | -44.62     | peak     |          |
| 2   |     | 5714.460     | 13.33                    | 38.13                   | 51.46                      | 109.25          | -57.79     | peak     |          |
| 3   |     | 5724.305     | 14.40                    | 38.15                   | 52.55                      | 120.62          | -68.07     | peak     |          |
| 4   |     | 5785.000     | 68.37                    | 38.28                   | 106.65                     | 122.20          | -15.55     | peak     | No Limit |
| 5   | *   | 5785.000     | 58.63                    | 38.28                   | 96.91                      | 54.00           | 42.91      | AVG      | No Limit |
| 6   |     | 5852.380     | 14.66                    | 38.41                   | 53.07                      | 116.77          | -63.70     | peak     |          |
| 7   |     | 5874.400     | 13.80                    | 38.46                   | 52.26                      | 105.37          | -53.11     | peak     |          |
| 8   |     | 5881.240     | 13.83                    | 38.48                   | 52.31                      | 100.57          | -48.26     | peak     |          |

|           |                           |              |            |
|-----------|---------------------------|--------------|------------|
| Test MODE | UNII-3_ TX A MODE 5785MHz | Polarization | Horizontal |
|-----------|---------------------------|--------------|------------|



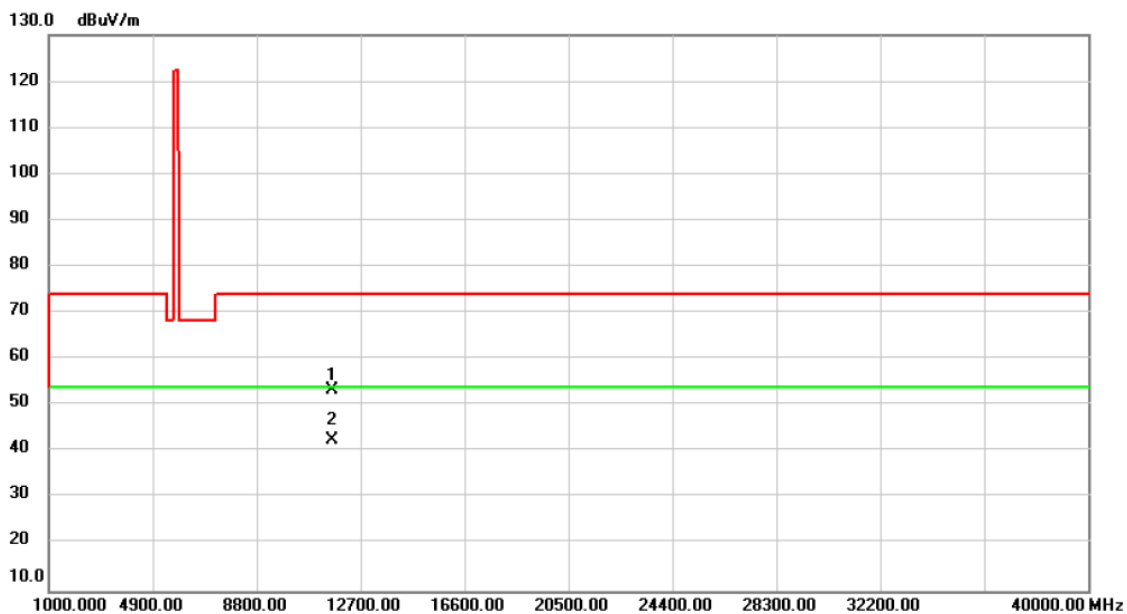
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11570.00     | 50.75                    | 2.72                    | 53.47                      | 74.00           | -20.53     | peak     |         |
| 2   | *   | 11570.00     | 39.73                    | 2.72                    | 42.45                      | 54.00           | -11.55     | AVG      |         |

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test MODE | UNII-3_ TX A MODE 5825MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|



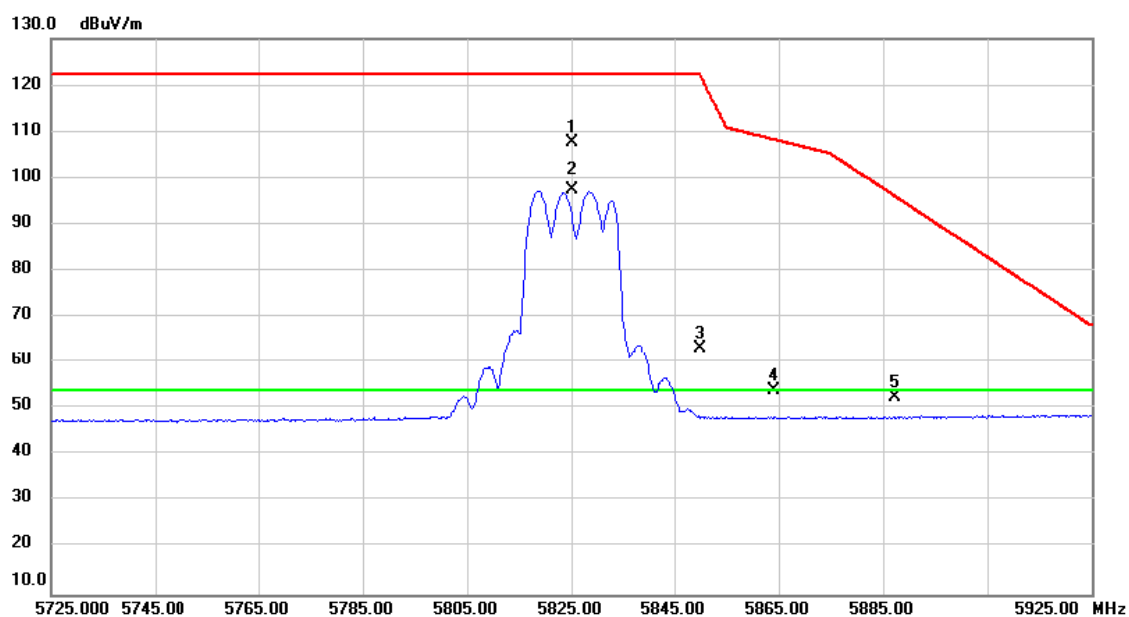
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |          |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment  |
| 1   |     | 5825.000 | 78.12         | 38.36          | 116.48      | 122.20 | -5.72  | peak     | No Limit |
| 2   | *   | 5825.000 | 69.16         | 38.36          | 107.52      | 54.00  | 53.52  | AVG      | No Limit |
| 3   |     | 5851.180 | 32.26         | 38.41          | 70.67       | 119.51 | -48.84 | peak     |          |
| 4   |     | 5855.440 | 24.04         | 38.42          | 62.46       | 110.68 | -48.22 | peak     |          |
| 5   |     | 5878.700 | 23.23         | 38.47          | 61.70       | 102.45 | -40.75 | peak     |          |

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test MODE | UNII-3_ TX A MODE 5825MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|



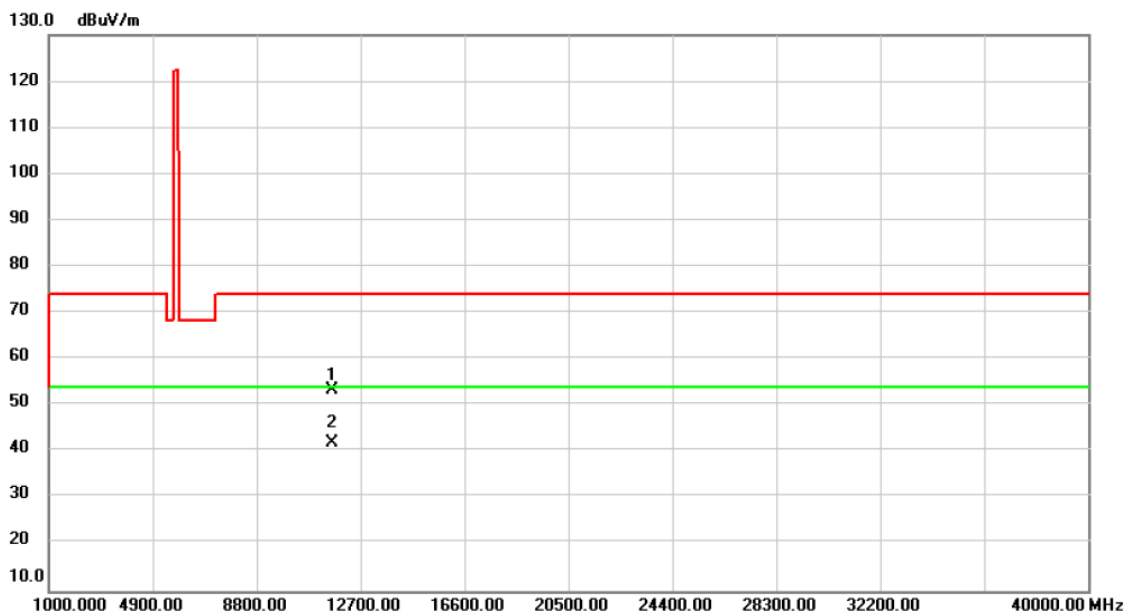
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 11650.00 | 50.91         | 2.50           | 53.41       | 74.00  | -20.59 | peak     |         |
| 2   | *   | 11650.00 | 40.08         | 2.50           | 42.58       | 54.00  | -11.42 | AVG      |         |

|           |                          |              |            |
|-----------|--------------------------|--------------|------------|
| Test MODE | UNII-3_TX A MODE 5825MHz | Polarization | Horizontal |
|-----------|--------------------------|--------------|------------|



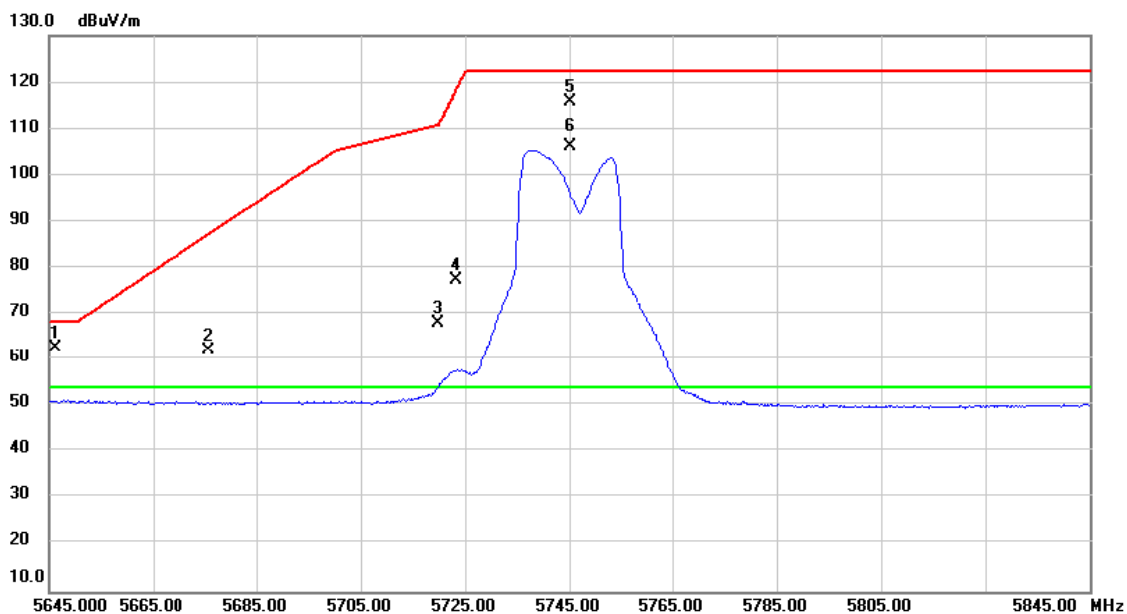
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5825.000     | 69.28                    | 38.36                   | 107.64                     | 122.20          | -14.56     | peak     | No Limit |
| 2   | *   | 5825.000     | 59.12                    | 38.36                   | 97.48                      | 54.00           | 43.48      | AVG      | No Limit |
| 3   |     | 5850.050     | 24.76                    | 38.41                   | 63.17                      | 122.09          | -58.92     | peak     |          |
| 4   |     | 5864.180     | 15.51                    | 38.44                   | 53.95                      | 108.23          | -54.28     | peak     |          |
| 5   |     | 5887.150     | 13.84                    | 38.49                   | 52.33                      | 96.18           | -43.85     | peak     |          |

|           |                           |              |            |
|-----------|---------------------------|--------------|------------|
| Test MODE | UNII-3_ TX A MODE 5825MHz | Polarization | Horizontal |
|-----------|---------------------------|--------------|------------|



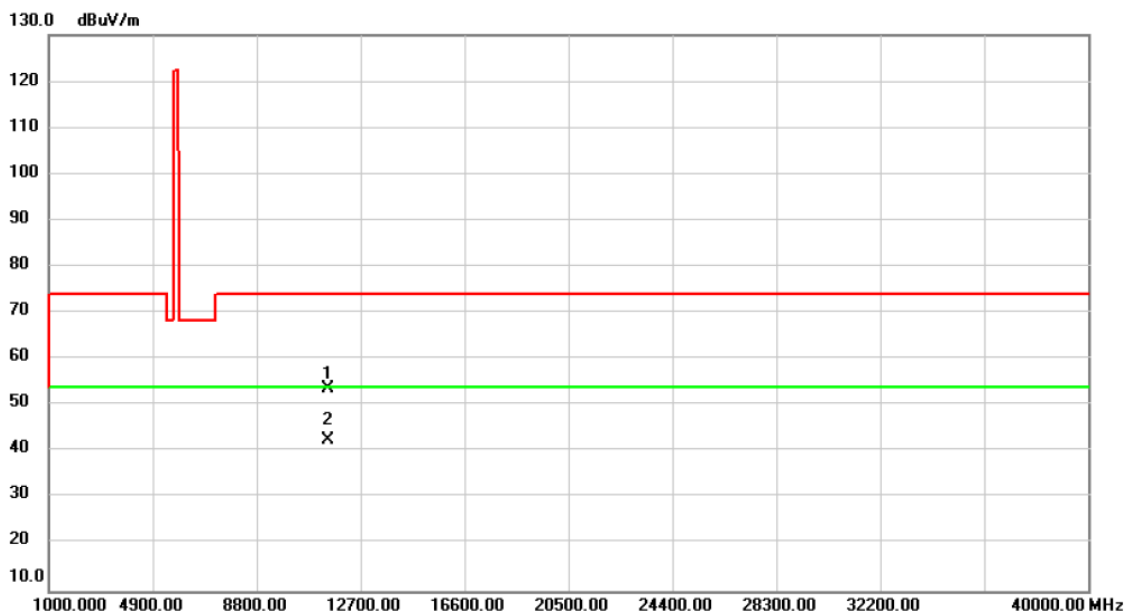
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 11650.00 | 50.80         | 2.50           | 53.30       | 74.00  | -20.70 | peak     |         |
| 2   | *   | 11650.00 | 39.59         | 2.50           | 42.09       | 54.00  | -11.91 | AVG      |         |

|           |                                 |              |          |
|-----------|---------------------------------|--------------|----------|
| Test MODE | UNII-3_TX N (HT20) MODE 5745MHz | Polarization | Vertical |
|-----------|---------------------------------|--------------|----------|



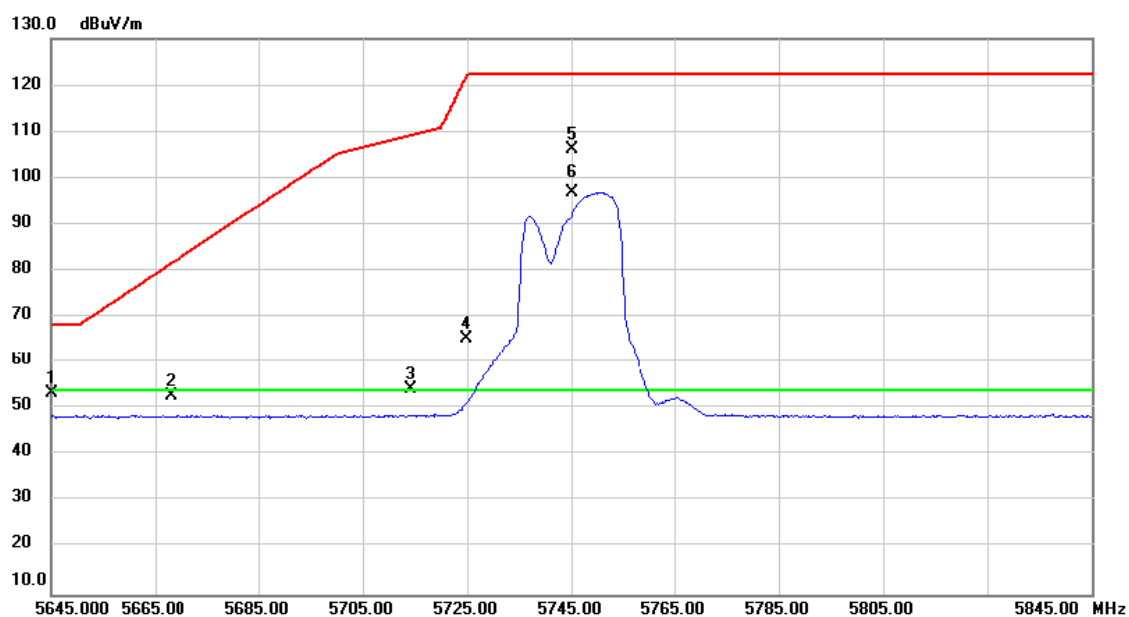
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5646.275     | 24.63                    | 37.99                   | 62.62                      | 68.20           | -5.58      | peak     |          |
| 2   |     | 5675.700     | 24.11                    | 38.05                   | 62.16                      | 87.26           | -25.10     | peak     |          |
| 3   |     | 5719.760     | 29.80                    | 38.14                   | 67.94                      | 110.73          | -42.79     | peak     |          |
| 4   |     | 5723.325     | 39.13                    | 38.15                   | 77.28                      | 118.38          | -41.10     | peak     |          |
| 5   |     | 5745.000     | 77.63                    | 38.19                   | 115.82                     | 122.20          | -6.38      | peak     | No Limit |
| 6   | *   | 5745.000     | 68.05                    | 38.19                   | 106.24                     | 54.00           | 52.24      | AVG      | No Limit |

|           |                                  |              |          |
|-----------|----------------------------------|--------------|----------|
| Test MODE | UNII-3_ TX N (HT20) MODE 5745MHz | Polarization | Vertical |
|-----------|----------------------------------|--------------|----------|



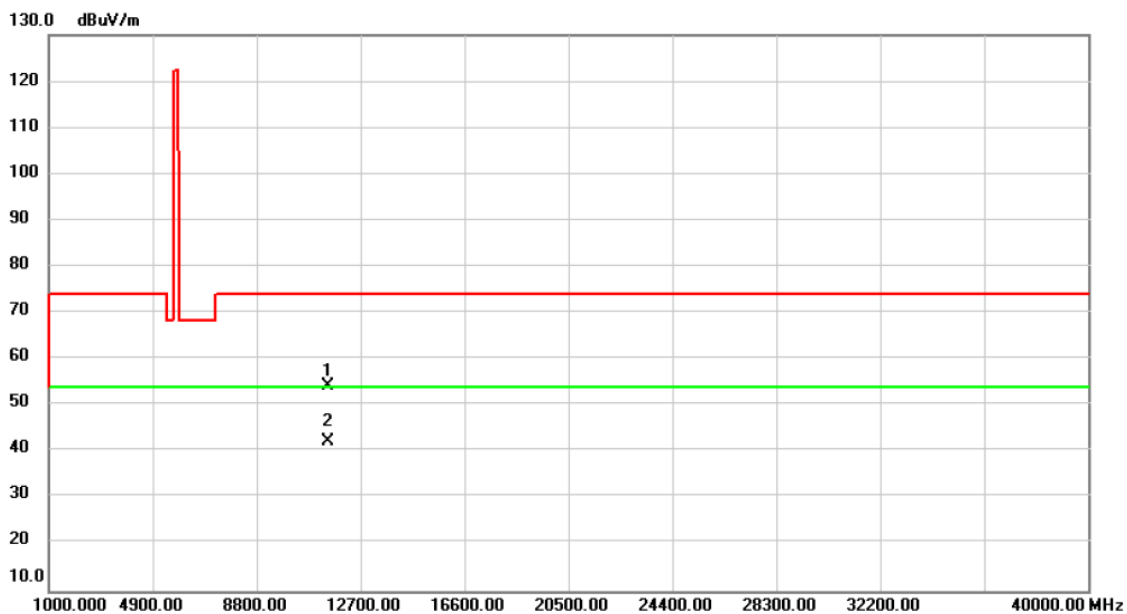
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11490.00     | 50.72                    | 2.89                    | 53.61                      | 74.00           | -20.39     | peak     |         |
| 2   | *   | 11490.00     | 39.59                    | 2.89                    | 42.48                      | 54.00           | -11.52     | AVG      |         |

|           |                                 |              |            |
|-----------|---------------------------------|--------------|------------|
| Test MODE | UNII-3_TX N (HT20) MODE 5745MHz | Polarization | Horizontal |
|-----------|---------------------------------|--------------|------------|



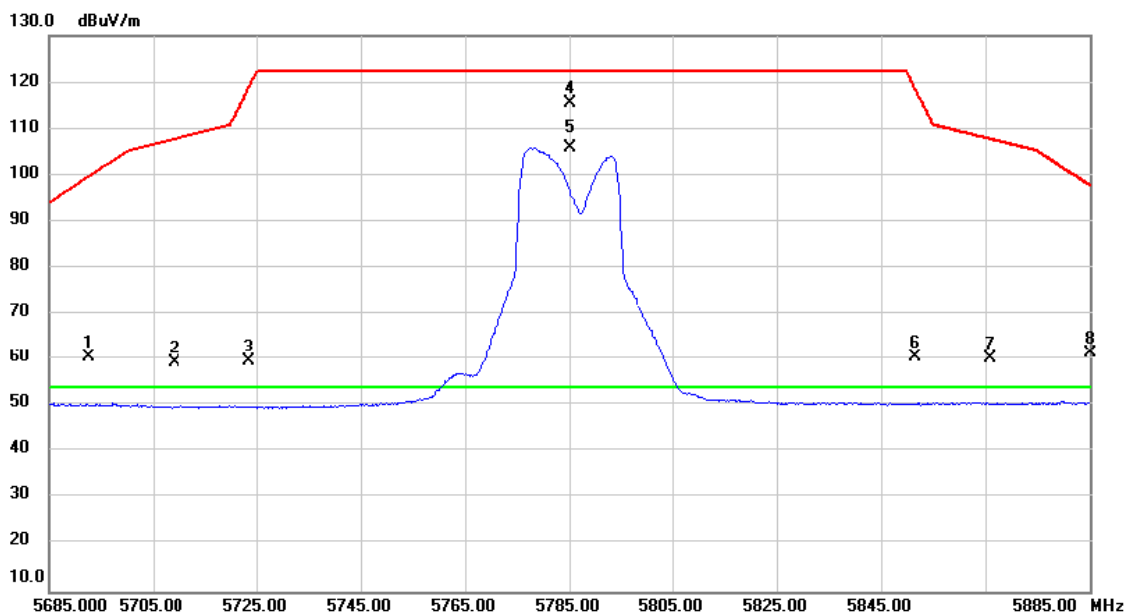
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5645.110     | 15.26                    | 37.99                   | 53.25                      | 68.20           | -14.95     | peak     |          |
| 2   |     | 5668.050     | 14.60                    | 38.04                   | 52.64                      | 81.59           | -28.95     | peak     |          |
| 3   |     | 5714.180     | 16.11                    | 38.13                   | 54.24                      | 109.17          | -54.93     | peak     |          |
| 4   |     | 5724.860     | 27.13                    | 38.15                   | 65.28                      | 121.88          | -56.60     | peak     |          |
| 5   |     | 5745.000     | 67.93                    | 38.19                   | 106.12                     | 122.20          | -16.08     | peak     | No Limit |
| 6   | *   | 5745.000     | 58.81                    | 38.19                   | 97.00                      | 54.00           | 43.00      | AVG      | No Limit |

|           |                                  |              |            |
|-----------|----------------------------------|--------------|------------|
| Test MODE | UNII-3_ TX N (HT20) MODE 5745MHz | Polarization | Horizontal |
|-----------|----------------------------------|--------------|------------|



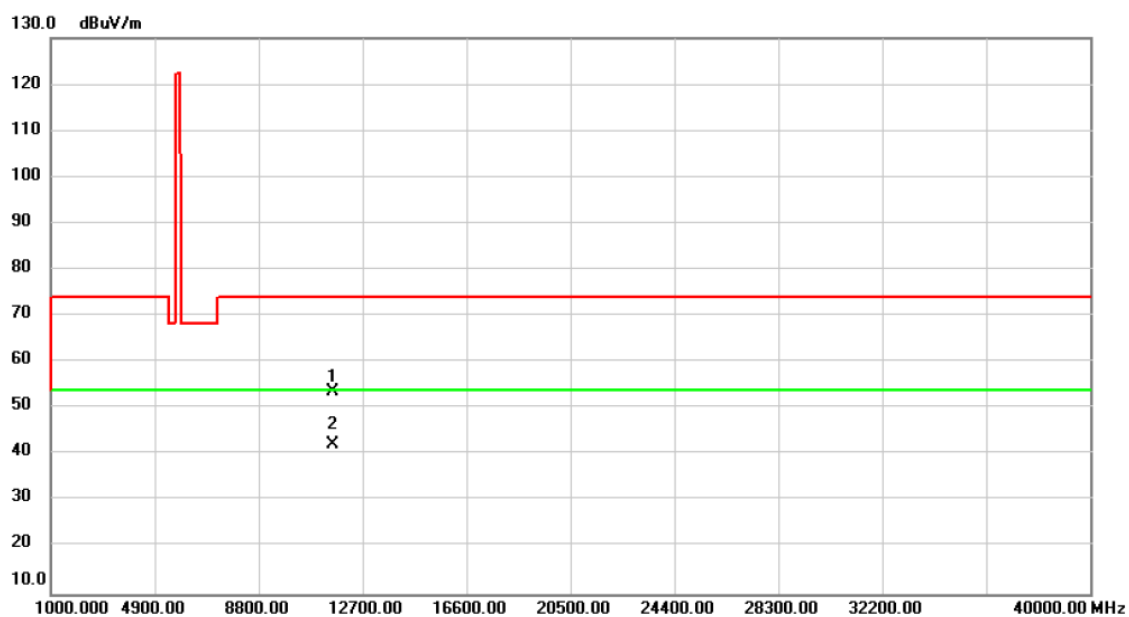
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11490.00     | 51.28                    | 2.89                    | 54.17                      | 74.00           | -19.83     | peak     |         |
| 2   | *   | 11490.00     | 39.44                    | 2.89                    | 42.33                      | 54.00           | -11.67     | AVG      |         |

|           |                                  |              |          |
|-----------|----------------------------------|--------------|----------|
| Test MODE | UNII-3_ TX N (HT20) MODE 5785MHz | Polarization | Vertical |
|-----------|----------------------------------|--------------|----------|



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5692.485     | 22.39                    | 38.09                   | 60.48                      | 99.66           | -39.18     | peak     |          |
| 2   |     | 5709.160     | 21.23                    | 38.12                   | 59.35                      | 107.77          | -48.42     | peak     |          |
| 3   |     | 5723.490     | 21.60                    | 38.15                   | 59.75                      | 118.76          | -59.01     | peak     |          |
| 4   |     | 5785.000     | 77.28                    | 38.28                   | 115.56                     | 122.20          | -6.64      | peak     | No Limit |
| 5   | *   | 5785.000     | 67.51                    | 38.28                   | 105.79                     | 54.00           | 51.79      | AVG      | No Limit |
| 6   |     | 5851.525     | 22.04                    | 38.41                   | 60.45                      | 118.72          | -58.27     | peak     |          |
| 7   |     | 5866.000     | 21.72                    | 38.45                   | 60.17                      | 107.72          | -47.55     | peak     |          |
| 8   |     | 5885.000     | 23.07                    | 38.49                   | 61.56                      | 97.77           | -36.21     | peak     |          |

|           |                                  |              |          |
|-----------|----------------------------------|--------------|----------|
| Test MODE | UNII-3_ TX N (HT20) MODE 5785MHz | Polarization | Vertical |
|-----------|----------------------------------|--------------|----------|

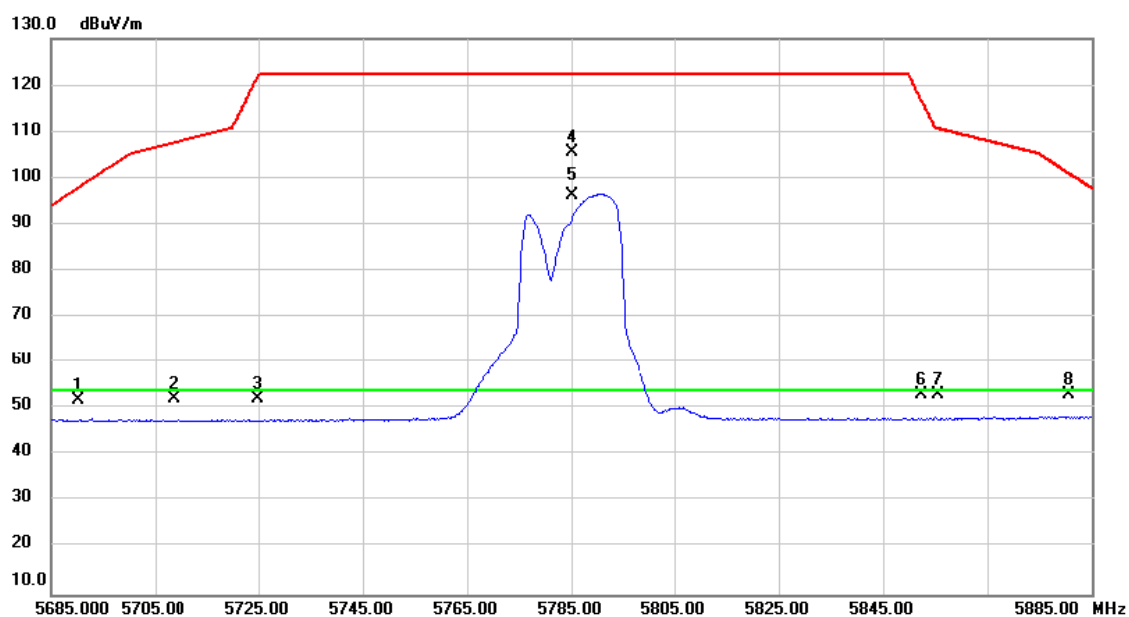


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11570.00     | 50.91                    | 2.72                    | 53.63                      | 74.00           | -20.37     | peak     |         |
| 2   | *   | 11570.00     | 39.56                    | 2.72                    | 42.28                      | 54.00           | -11.72     | AVG      |         |

Test MODE UNII-3\_ TX N (HT20) MODE 5785MHz

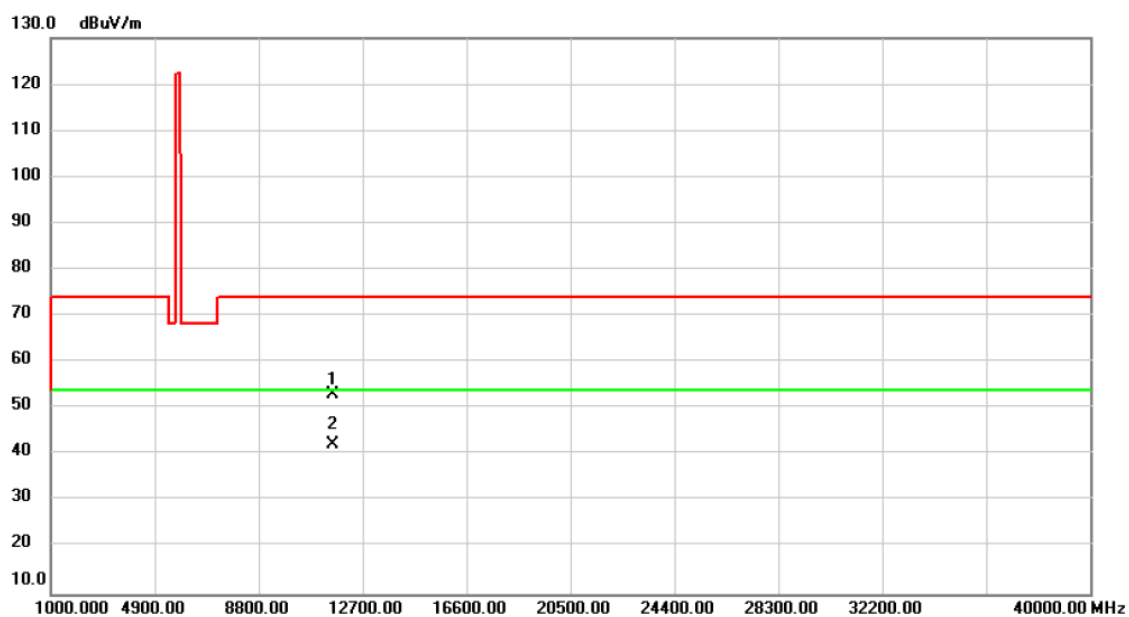
Polarization

Horizontal



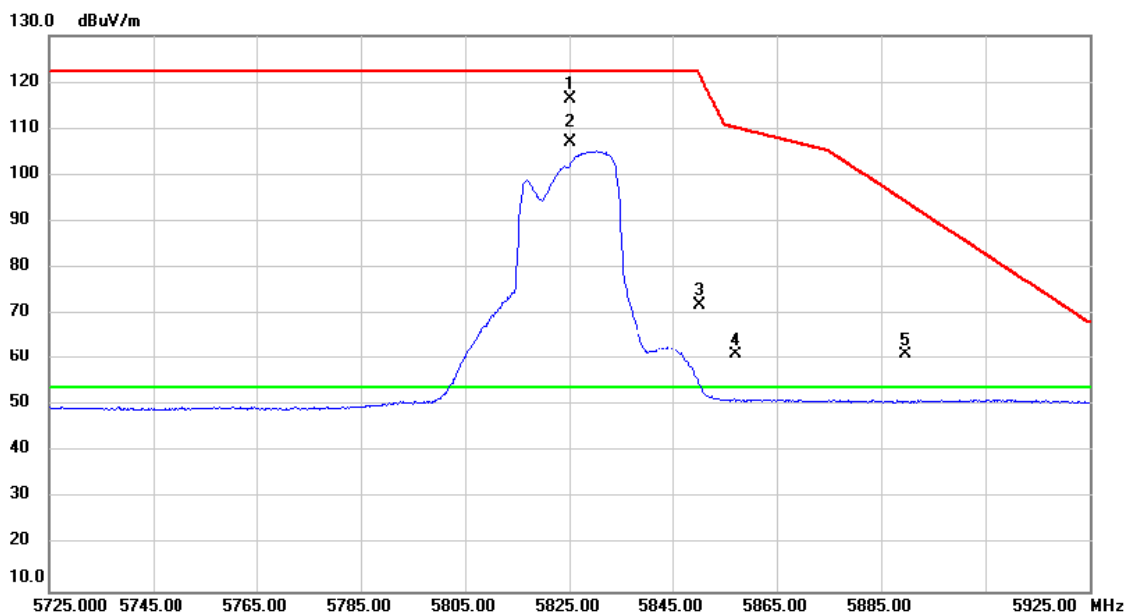
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5690.085     | 13.84                    | 38.08                   | 51.92                      | 97.89           | -45.97     | peak     |          |
| 2   |     | 5708.520     | 14.13                    | 38.12                   | 52.25                      | 107.59          | -55.34     | peak     |          |
| 3   |     | 5724.920     | 13.95                    | 38.15                   | 52.10                      | 122.02          | -69.92     | peak     |          |
| 4   |     | 5785.000     | 67.28                    | 38.28                   | 105.56                     | 122.20          | -16.64     | peak     | No Limit |
| 5   | *   | 5785.000     | 57.83                    | 38.28                   | 96.11                      | 54.00           | 42.11      | AVG      | No Limit |
| 6   |     | 5852.235     | 14.50                    | 38.41                   | 52.91                      | 117.10          | -64.19     | peak     |          |
| 7   |     | 5855.420     | 14.53                    | 38.42                   | 52.95                      | 110.68          | -57.73     | peak     |          |
| 8   |     | 5880.510     | 14.47                    | 38.48                   | 52.95                      | 101.11          | -48.16     | peak     |          |

|           |                                  |              |            |
|-----------|----------------------------------|--------------|------------|
| Test MODE | UNII-3_ TX N (HT20) MODE 5785MHz | Polarization | Horizontal |
|-----------|----------------------------------|--------------|------------|



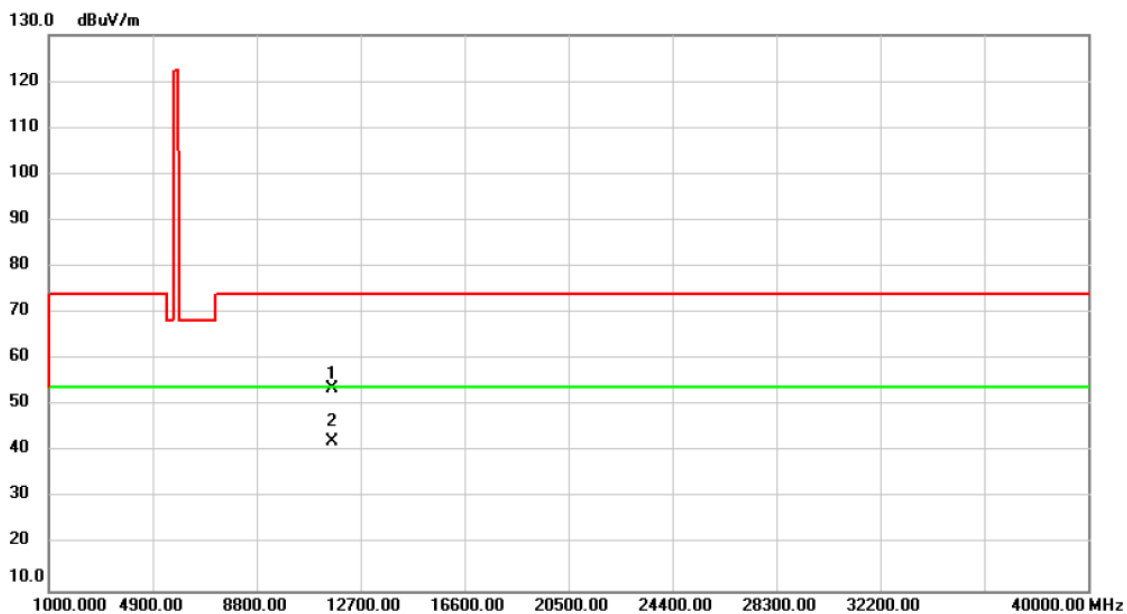
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11570.00     | 50.37                    | 2.72                    | 53.09                      | 74.00           | -20.91     | peak     |         |
| 2   | *   | 11570.00     | 39.62                    | 2.72                    | 42.34                      | 54.00           | -11.66     | AVG      |         |

|           |                                  |              |          |
|-----------|----------------------------------|--------------|----------|
| Test MODE | UNII-3_ TX N (HT20) MODE 5825MHz | Polarization | Vertical |
|-----------|----------------------------------|--------------|----------|



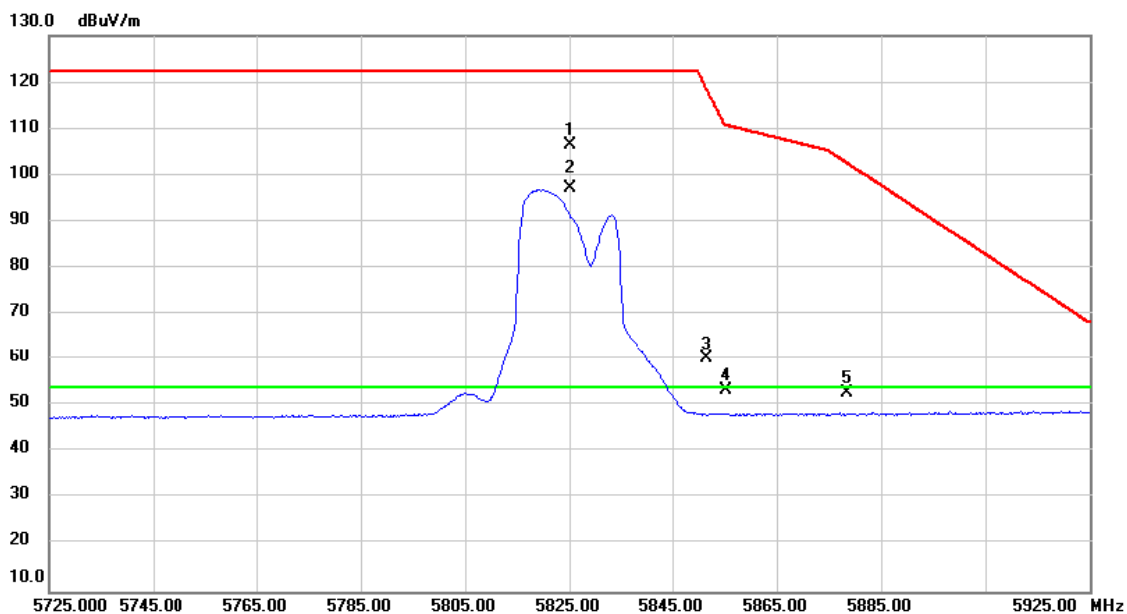
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |          |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment  |
| 1   |     | 5825.000 | 77.95         | 38.36          | 116.31      | 122.20 | -5.89  | peak     | No Limit |
| 2   | *   | 5825.000 | 68.55         | 38.36          | 106.91      | 54.00  | 52.91  | AVG      | No Limit |
| 3   |     | 5850.085 | 33.56         | 38.41          | 71.97       | 122.01 | -50.04 | peak     |          |
| 4   |     | 5857.140 | 22.78         | 38.42          | 61.20       | 110.20 | -49.00 | peak     |          |
| 5   |     | 5889.650 | 22.60         | 38.49          | 61.09       | 94.33  | -33.24 | peak     |          |

|           |                                  |              |          |
|-----------|----------------------------------|--------------|----------|
| Test MODE | UNII-3_ TX N (HT20) MODE 5825MHz | Polarization | Vertical |
|-----------|----------------------------------|--------------|----------|



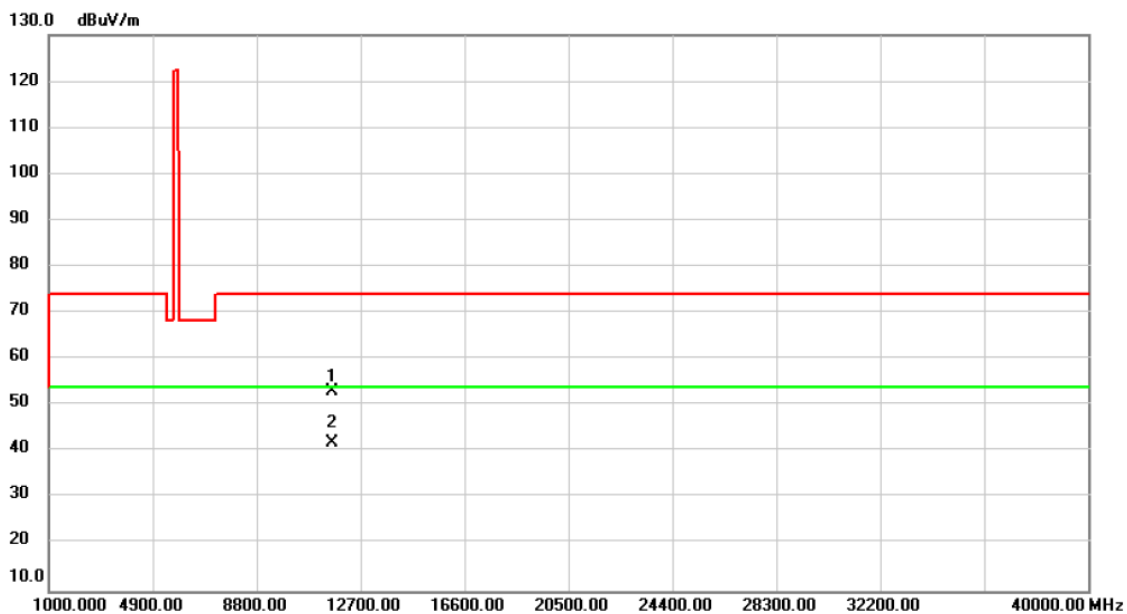
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 11650.00 | 51.24         | 2.50           | 53.74       | 74.00  | -20.26 | peak     |         |
| 2   | *   | 11650.00 | 39.60         | 2.50           | 42.10       | 54.00  | -11.90 | AVG      |         |

|           |                                 |              |            |
|-----------|---------------------------------|--------------|------------|
| Test MODE | UNII-3_TX N (HT20) MODE 5825MHz | Polarization | Horizontal |
|-----------|---------------------------------|--------------|------------|



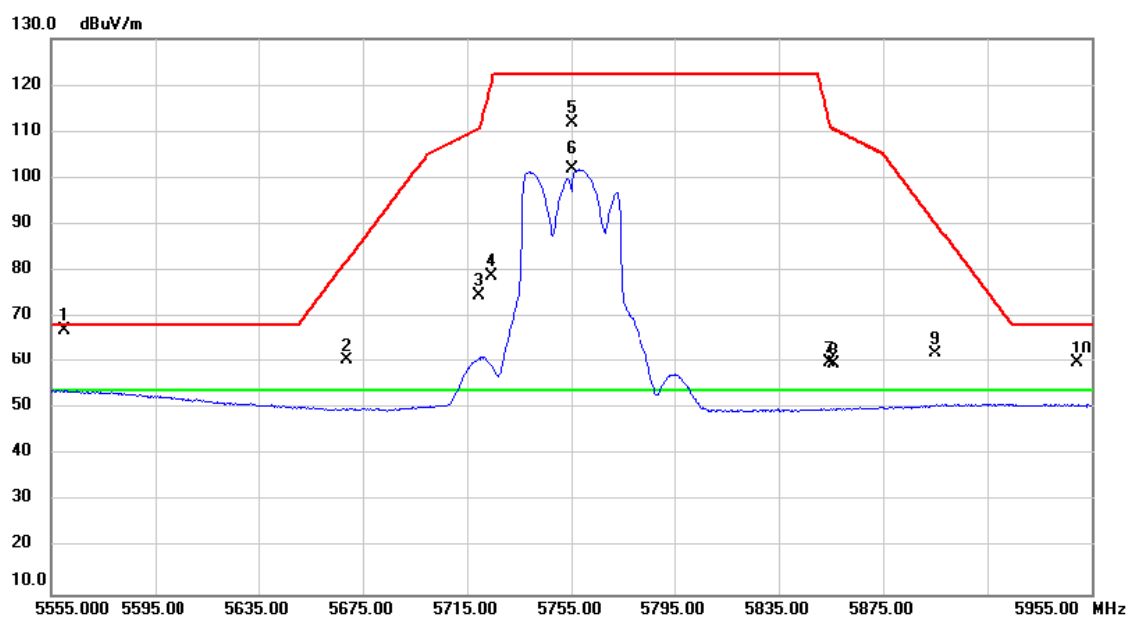
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5825.000     | 68.16                    | 38.36                   | 106.52                     | 122.20          | -15.68     | peak     | No Limit |
| 2   | *   | 5825.000     | 58.82                    | 38.36                   | 97.18                      | 54.00           | 43.18      | AVG      | No Limit |
| 3   |     | 5851.505     | 21.70                    | 38.41                   | 60.11                      | 118.77          | -58.66     | peak     |          |
| 4   |     | 5855.200     | 14.85                    | 38.42                   | 53.27                      | 110.74          | -57.47     | peak     |          |
| 5   |     | 5878.350     | 14.32                    | 38.47                   | 52.79                      | 102.71          | -49.92     | peak     |          |

|           |                                  |              |            |
|-----------|----------------------------------|--------------|------------|
| Test MODE | UNII-3_ TX N (HT20) MODE 5825MHz | Polarization | Horizontal |
|-----------|----------------------------------|--------------|------------|



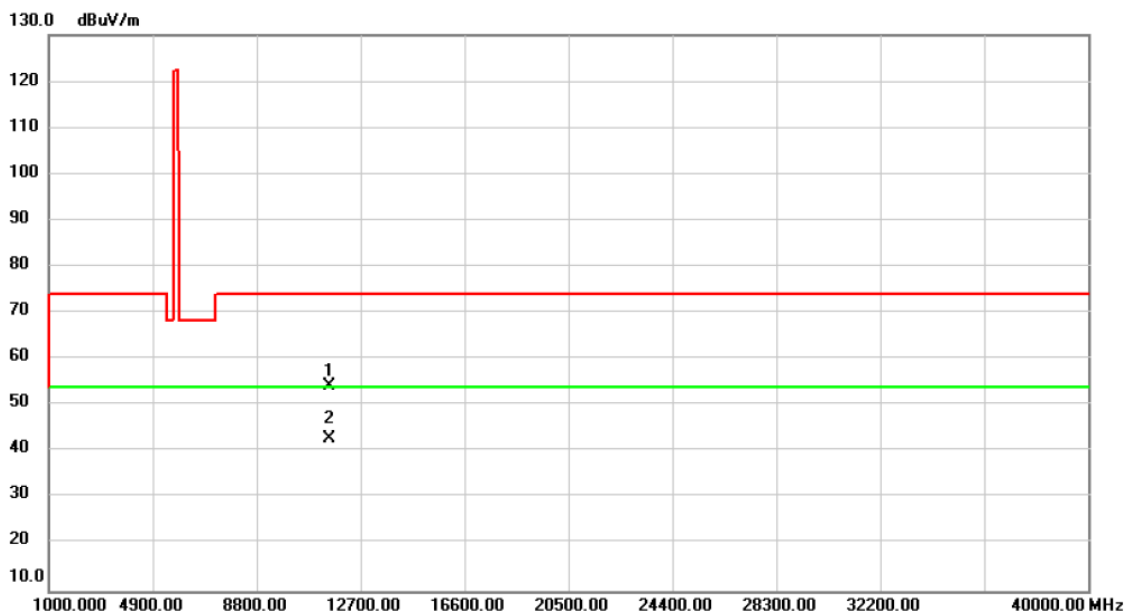
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11650.00     | 50.48                    | 2.50                    | 52.98                      | 74.00           | -21.02     | peak     |         |
| 2   | *   | 11650.00     | 39.56                    | 2.50                    | 42.06                      | 54.00           | -11.94     | AVG      |         |

Test MODE UNII-3\_TX N (HT40) MODE 5755MHz Polarization Vertical



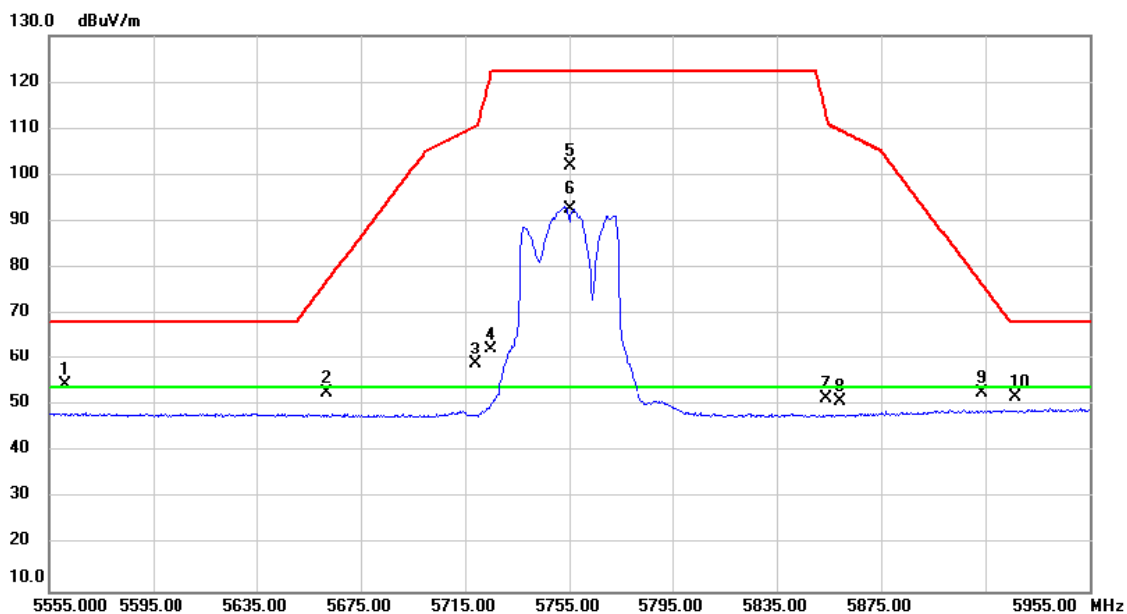
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5560.320     | 29.20                    | 37.82                   | 67.02                      | 68.20           | -1.18      | peak     |          |
| 2   |     | 5668.600     | 22.43                    | 38.04                   | 60.47                      | 82.00           | -21.53     | peak     |          |
| 3   |     | 5719.660     | 36.40                    | 38.14                   | 74.54                      | 110.70          | -36.16     | peak     |          |
| 4   |     | 5724.275     | 40.60                    | 38.15                   | 78.75                      | 120.55          | -41.80     | peak     |          |
| 5   |     | 5755.000     | 73.63                    | 38.22                   | 111.85                     | 122.20          | -10.35     | peak     | No Limit |
| 6   | *   | 5755.000     | 63.82                    | 38.22                   | 102.04                     | 54.00           | 48.04      | AVG      | No Limit |
| 7   |     | 5854.550     | 21.47                    | 38.42                   | 59.89                      | 111.83          | -51.94     | peak     |          |
| 8   |     | 5856.020     | 21.37                    | 38.42                   | 59.79                      | 110.51          | -50.72     | peak     |          |
| 9   |     | 5895.000     | 23.52                    | 38.50                   | 62.02                      | 90.36           | -28.34     | peak     |          |
| 10  |     | 5949.630     | 21.29                    | 38.62                   | 59.91                      | 68.20           | -8.29      | peak     |          |

|           |                                  |              |          |
|-----------|----------------------------------|--------------|----------|
| Test MODE | UNII-3_ TX N (HT40) MODE 5755MHz | Polarization | Vertical |
|-----------|----------------------------------|--------------|----------|



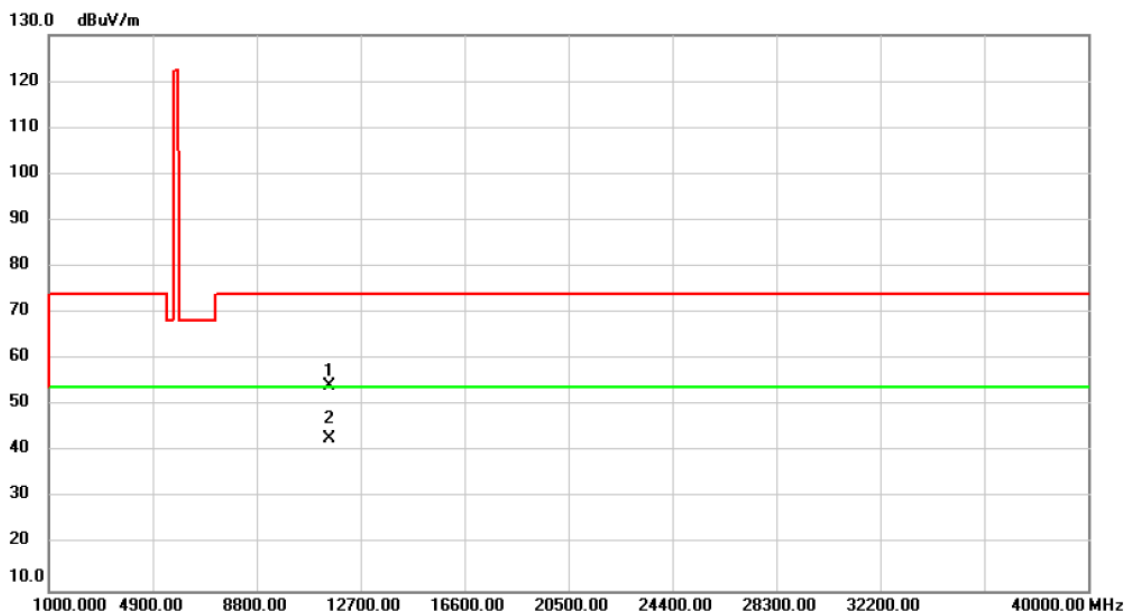
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11510.00     | 51.31                    | 2.88                    | 54.19                      | 74.00           | -19.81     | peak     |         |
| 2   | *   | 11510.00     | 40.07                    | 2.88                    | 42.95                      | 54.00           | -11.05     | AVG      |         |

|           |                                  |              |            |
|-----------|----------------------------------|--------------|------------|
| Test MODE | UNII-3_ TX N (HT40) MODE 5755MHz | Polarization | Horizontal |
|-----------|----------------------------------|--------------|------------|



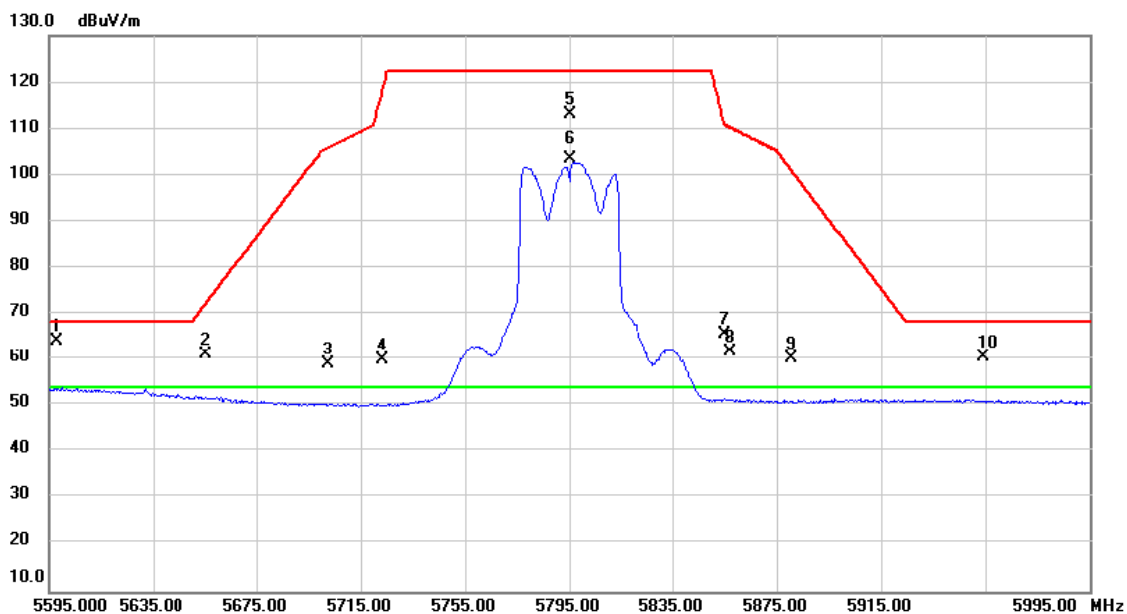
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5561.080     | 16.75                    | 37.82                   | 54.57                      | 68.20           | -13.63     | peak     |          |
| 2   |     | 5662.000     | 14.75                    | 38.02                   | 52.77                      | 77.11           | -24.34     | peak     |          |
| 3   |     | 5718.820     | 20.97                    | 38.14                   | 59.11                      | 110.47          | -51.36     | peak     |          |
| 4   |     | 5724.630     | 24.06                    | 38.15                   | 62.21                      | 121.36          | -59.15     | peak     |          |
| 5   |     | 5755.000     | 63.69                    | 38.22                   | 101.91                     | 122.20          | -20.29     | peak     | No Limit |
| 6   | *   | 5755.000     | 54.47                    | 38.22                   | 92.69                      | 54.00           | 38.69      | AVG      | No Limit |
| 7   |     | 5853.975     | 13.15                    | 38.42                   | 51.57                      | 113.14          | -61.57     | peak     |          |
| 8   |     | 5859.480     | 12.41                    | 38.44                   | 50.85                      | 109.54          | -58.69     | peak     |          |
| 9   |     | 5913.850     | 14.26                    | 38.54                   | 52.80                      | 76.42           | -23.62     | peak     |          |
| 10  |     | 5926.260     | 13.16                    | 38.57                   | 51.73                      | 68.20           | -16.47     | peak     |          |

|           |                                  |              |            |
|-----------|----------------------------------|--------------|------------|
| Test MODE | UNII-3_ TX N (HT40) MODE 5755MHz | Polarization | Horizontal |
|-----------|----------------------------------|--------------|------------|



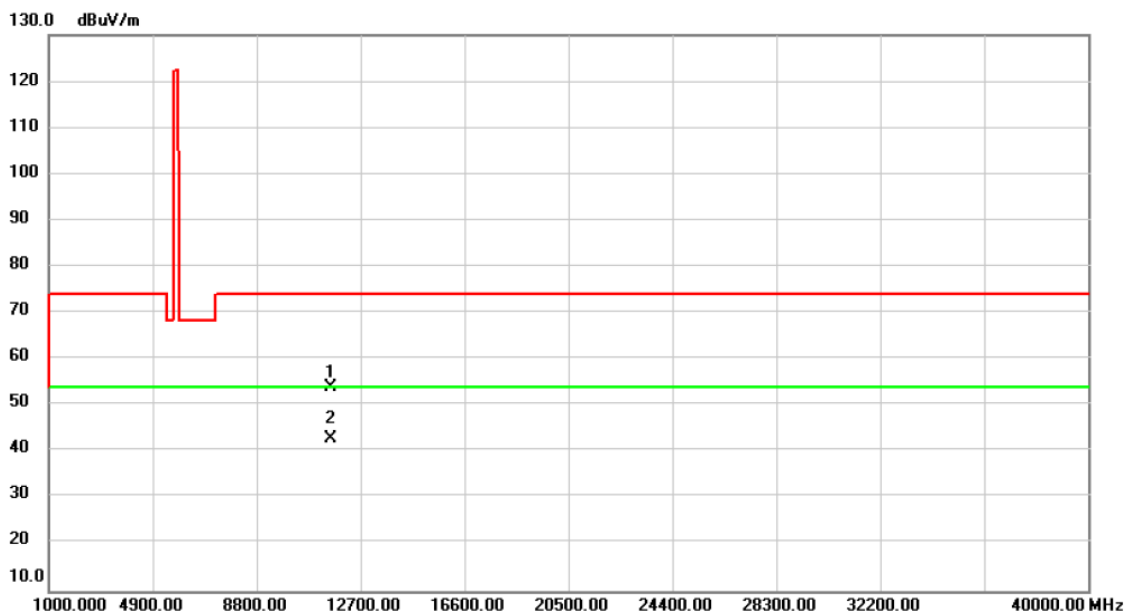
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11510.00     | 51.43                    | 2.88                    | 54.31                      | 74.00           | -19.69     | peak     |         |
| 2   | *   | 11510.00     | 39.93                    | 2.88                    | 42.81                      | 54.00           | -11.19     | AVG      |         |

|           |                                  |              |          |
|-----------|----------------------------------|--------------|----------|
| Test MODE | UNII-3_ TX N (HT40) MODE 5795MHz | Polarization | Vertical |
|-----------|----------------------------------|--------------|----------|



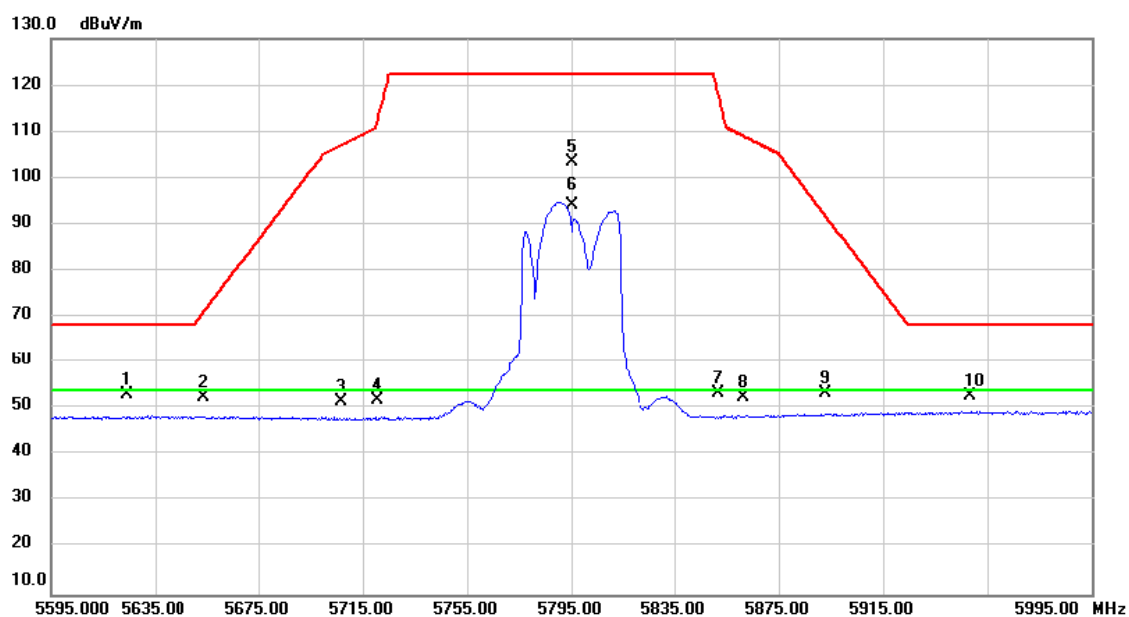
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5597.970     | 26.30                    | 37.90                   | 64.20                      | 68.20           | -4.00      | peak     |          |
| 2   |     | 5655.350     | 23.15                    | 38.01                   | 61.16                      | 72.17           | -11.01     | peak     |          |
| 3   |     | 5702.380     | 20.88                    | 38.10                   | 58.98                      | 105.87          | -46.89     | peak     |          |
| 4   |     | 5723.275     | 21.90                    | 38.15                   | 60.05                      | 118.27          | -58.22     | peak     |          |
| 5   |     | 5795.000     | 74.71                    | 38.30                   | 113.01                     | 122.20          | -9.19      | peak     | No Limit |
| 6   | *   | 5795.000     | 65.07                    | 38.30                   | 103.37                     | 54.00           | 49.37      | AVG      | No Limit |
| 7   |     | 5854.960     | 27.13                    | 38.42                   | 65.55                      | 110.89          | -45.34     | peak     |          |
| 8   |     | 5857.360     | 23.19                    | 38.42                   | 61.61                      | 110.14          | -48.53     | peak     |          |
| 9   |     | 5880.750     | 21.84                    | 38.48                   | 60.32                      | 100.93          | -40.61     | peak     |          |
| 10  |     | 5954.190     | 21.82                    | 38.63                   | 60.45                      | 68.20           | -7.75      | peak     |          |

|           |                                  |              |          |
|-----------|----------------------------------|--------------|----------|
| Test MODE | UNII-3_ TX N (HT40) MODE 5795MHz | Polarization | Vertical |
|-----------|----------------------------------|--------------|----------|



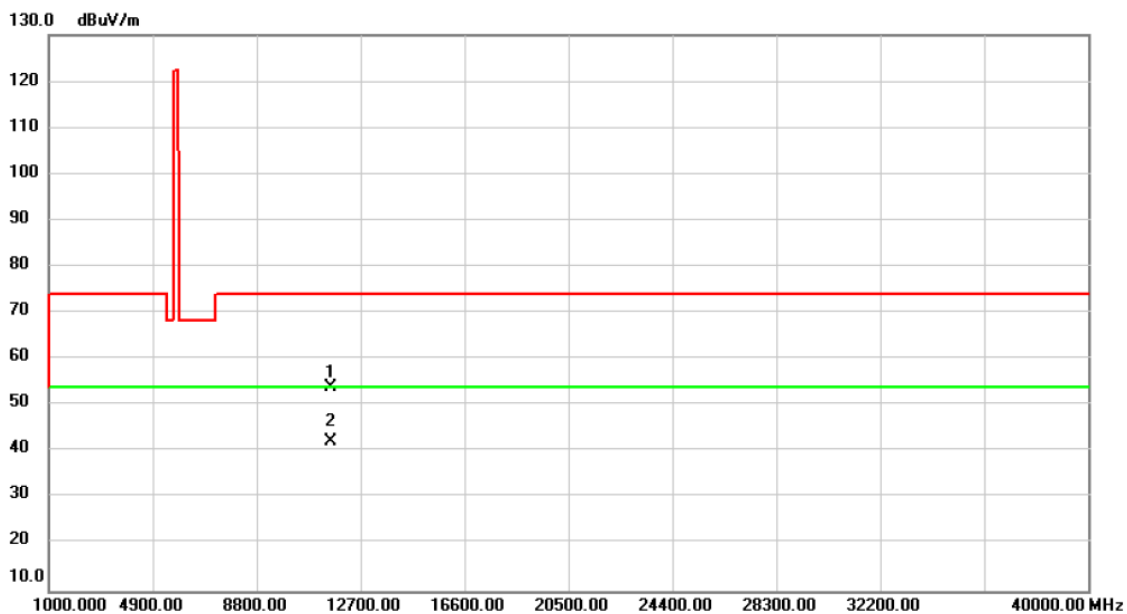
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11590.00     | 51.21                    | 2.67                    | 53.88                      | 74.00           | -20.12     | peak     |         |
| 2   | *   | 11590.00     | 40.10                    | 2.67                    | 42.77                      | 54.00           | -11.23     | AVG      |         |

Test MODE UNII-3\_TX N (HT40) MODE 5795MHz Polarization Horizontal



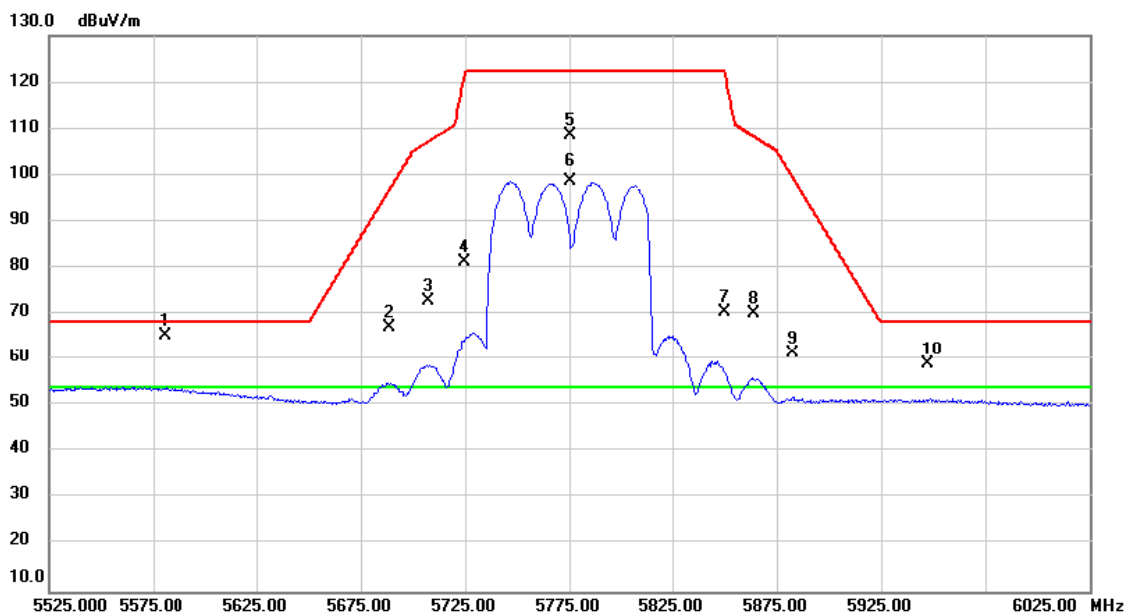
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5623.875     | 15.21                    | 37.95                   | 53.16                      | 68.20           | -15.04     | peak     |          |
| 2   |     | 5653.700     | 14.46                    | 38.01                   | 52.47                      | 70.95           | -18.48     | peak     |          |
| 3   |     | 5706.760     | 13.37                    | 38.12                   | 51.49                      | 107.09          | -55.60     | peak     |          |
| 4   |     | 5720.395     | 13.56                    | 38.14                   | 51.70                      | 111.70          | -60.00     | peak     |          |
| 5   |     | 5795.000     | 65.03                    | 38.30                   | 103.33                     | 122.20          | -18.87     | peak     | No Limit |
| 6   | *   | 5795.000     | 55.92                    | 38.30                   | 94.22                      | 54.00           | 40.22      | AVG      | No Limit |
| 7   |     | 5851.545     | 14.92                    | 38.41                   | 53.33                      | 118.68          | -65.35     | peak     |          |
| 8   |     | 5861.300     | 14.03                    | 38.44                   | 52.47                      | 109.03          | -56.56     | peak     |          |
| 9   |     | 5893.000     | 14.88                    | 38.50                   | 53.38                      | 91.84           | -38.46     | peak     |          |
| 10  |     | 5948.520     | 14.01                    | 38.62                   | 52.63                      | 68.20           | -15.57     | peak     |          |

|           |                                  |              |            |
|-----------|----------------------------------|--------------|------------|
| Test MODE | UNII-3_ TX N (HT40) MODE 5795MHz | Polarization | Horizontal |
|-----------|----------------------------------|--------------|------------|



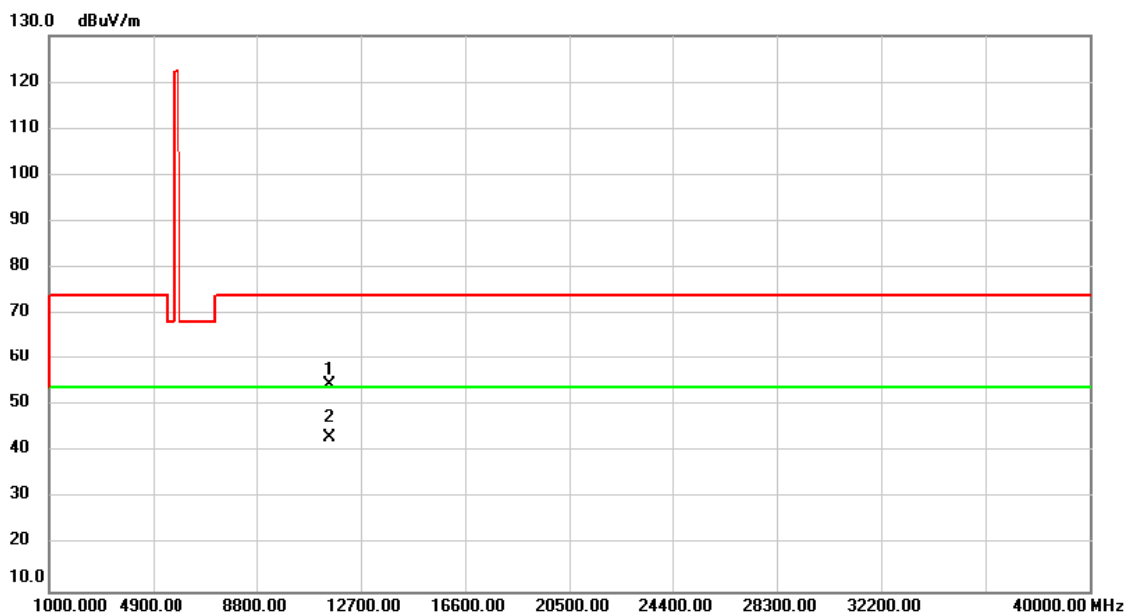
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11590.00     | 51.29                    | 2.67                    | 53.96                      | 74.00           | -20.04     | peak     |         |
| 2   | *   | 11590.00     | 39.72                    | 2.67                    | 42.39                      | 54.00           | -11.61     | AVG      |         |

Test MODE UNII-3\_TX AC (VHT80) MODE 5775MHz Polarization Vertical



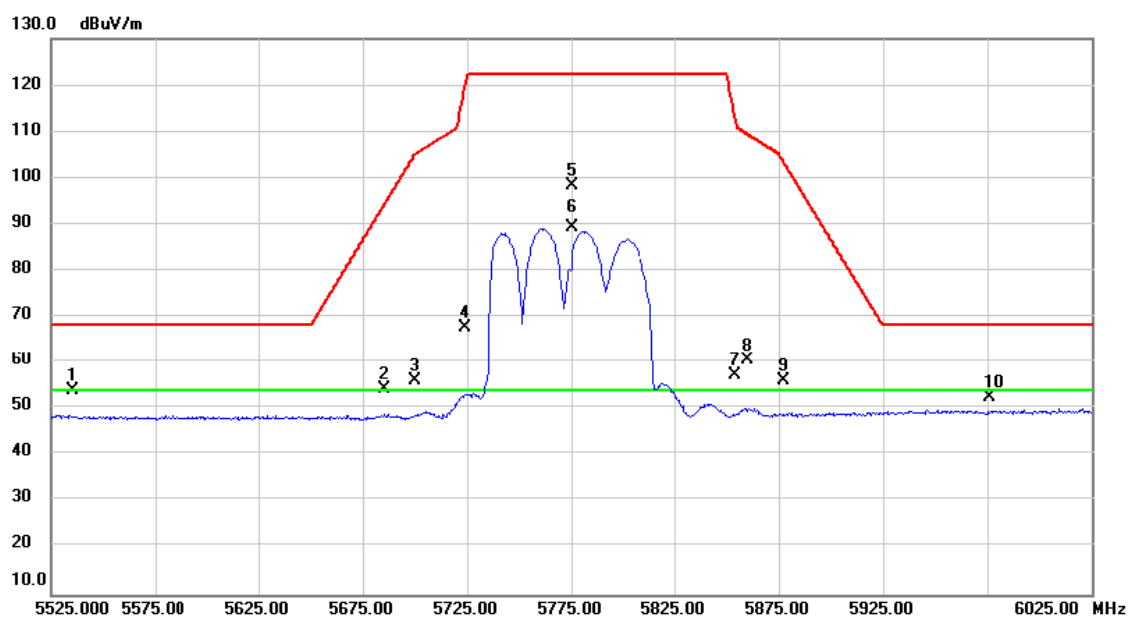
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5580.875     | 27.43                    | 37.86                   | 65.29                      | 68.20           | -2.91      | peak     |          |
| 2   |     | 5688.950     | 29.13                    | 38.08                   | 67.21                      | 97.05           | -29.84     | peak     |          |
| 3   |     | 5707.040     | 34.58                    | 38.12                   | 72.70                      | 107.17          | -34.47     | peak     |          |
| 4   |     | 5724.585     | 43.17                    | 38.15                   | 81.32                      | 121.25          | -39.93     | peak     |          |
| 5   |     | 5775.000     | 70.44                    | 38.26                   | 108.70                     | 122.20          | -13.50     | peak     | No Limit |
| 6   | *   | 5775.000     | 60.32                    | 38.26                   | 98.58                      | 54.00           | 44.58      | AVG      | No Limit |
| 7   |     | 5850.020     | 31.99                    | 38.41                   | 70.40                      | 122.15          | -51.75     | peak     |          |
| 8   |     | 5863.900     | 31.66                    | 38.44                   | 70.10                      | 108.31          | -38.21     | peak     |          |
| 9   |     | 5882.800     | 23.04                    | 38.48                   | 61.52                      | 99.41           | -37.89     | peak     |          |
| 10  |     | 5947.500     | 20.37                    | 38.62                   | 58.99                      | 68.20           | -9.21      | peak     |          |

|           |                                    |              |          |
|-----------|------------------------------------|--------------|----------|
| Test MODE | UNII-3_ TX AC (VHT80) MODE 5775MHz | Polarization | Vertical |
|-----------|------------------------------------|--------------|----------|



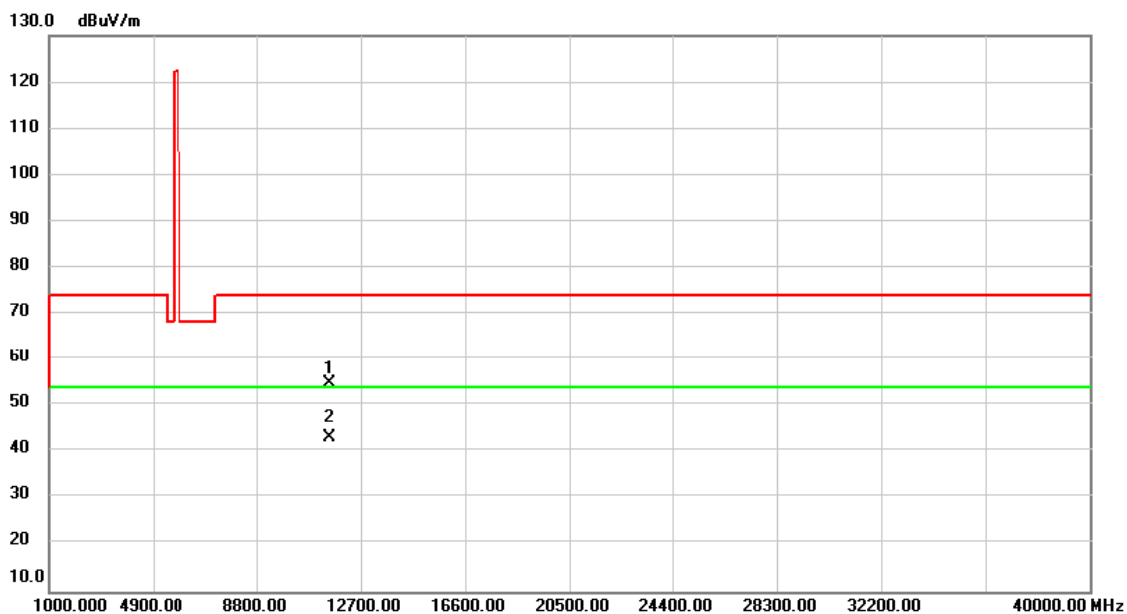
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11550.00     | 51.80                    | 2.77                    | 54.57                      | 74.00           | -19.43     | peak     |         |
| 2   | *   | 11550.00     | 40.47                    | 2.77                    | 43.24                      | 54.00           | -10.76     | AVG      |         |

|           |                                   |              |            |
|-----------|-----------------------------------|--------------|------------|
| Test MODE | UNII-3_TX AC (VHT80) MODE 5775MHz | Polarization | Horizontal |
|-----------|-----------------------------------|--------------|------------|



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment  |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1   |     | 5535.375     | 16.04                    | 37.77                   | 53.81                      | 68.20           | -14.39     | peak     |          |
| 2   |     | 5685.250     | 16.27                    | 38.08                   | 54.35                      | 94.32           | -39.97     | peak     |          |
| 3   |     | 5700.000     | 18.09                    | 38.10                   | 56.19                      | 105.20          | -49.01     | peak     |          |
| 4   |     | 5723.975     | 29.70                    | 38.15                   | 67.85                      | 119.86          | -52.01     | peak     |          |
| 5   |     | 5775.000     | 59.99                    | 38.26                   | 98.25                      | 122.20          | -23.95     | peak     | No Limit |
| 6   | *   | 5775.000     | 51.13                    | 38.26                   | 89.39                      | 54.00           | 35.39      | AVG      | No Limit |
| 7   |     | 5854.145     | 18.78                    | 38.42                   | 57.20                      | 112.75          | -55.55     | peak     |          |
| 8   |     | 5860.240     | 22.17                    | 38.44                   | 60.61                      | 109.33          | -48.72     | peak     |          |
| 9   |     | 5877.150     | 17.67                    | 38.46                   | 56.13                      | 103.60          | -47.47     | peak     |          |
| 10  |     | 5976.200     | 13.88                    | 38.67                   | 52.55                      | 68.20           | -15.65     | peak     |          |

|           |                                    |              |            |
|-----------|------------------------------------|--------------|------------|
| Test MODE | UNII-3_ TX AC (VHT80) MODE 5775MHz | Polarization | Horizontal |
|-----------|------------------------------------|--------------|------------|



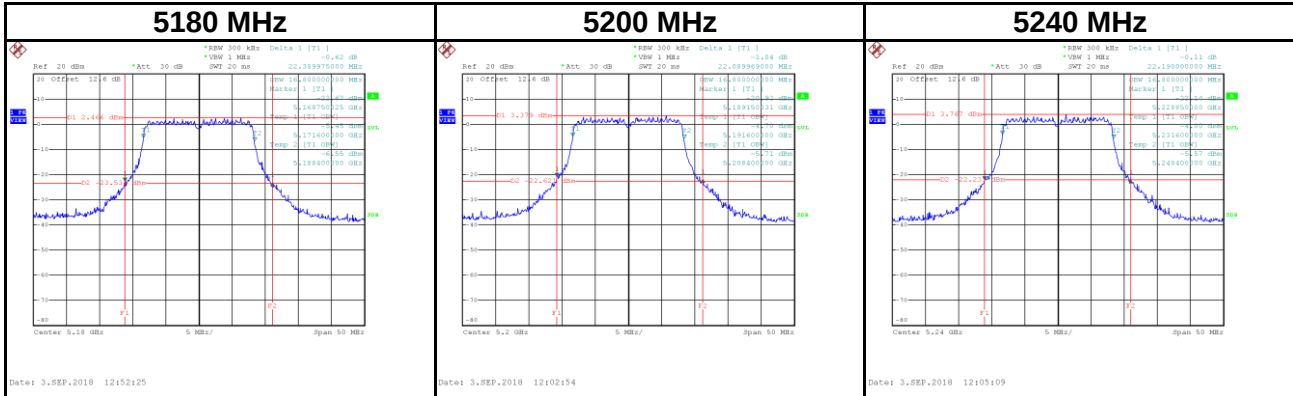
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 11550.00     | 52.19                    | 2.77                    | 54.96                      | 74.00           | -19.04     | peak     |         |
| 2   | *   | 11550.00     | 40.40                    | 2.77                    | 43.17                      | 54.00           | -10.83     | AVG      |         |

## APPENDIX E BANDWIDTH

CONTINUE ON NEXT PAGE

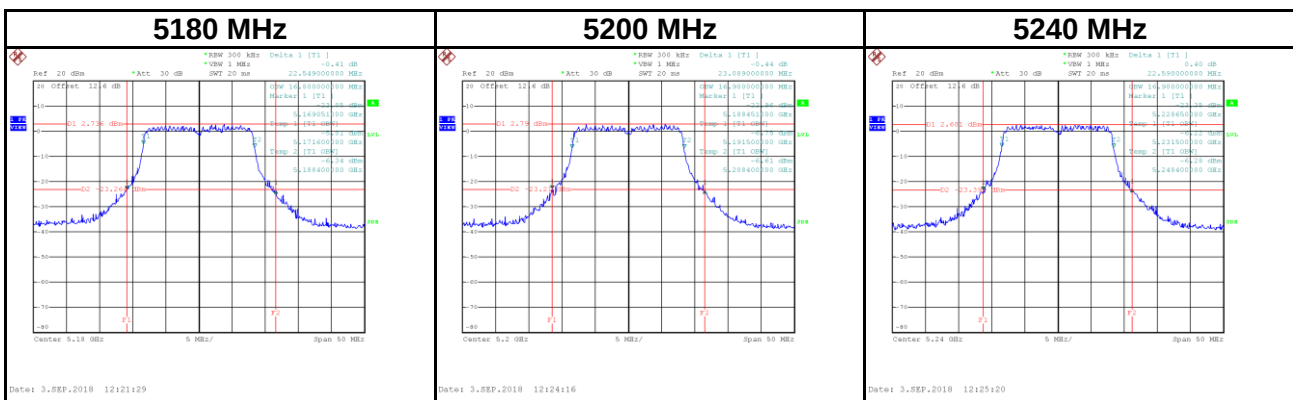
Test Mode UNII-1\_ IEEE 802.11a

| Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|-----------------|-----------------------|-------------------------------|
| 5180            | 22.39                 | 16.80                         |
| 5200            | 22.09                 | 16.80                         |
| 5240            | 22.19                 | 16.80                         |



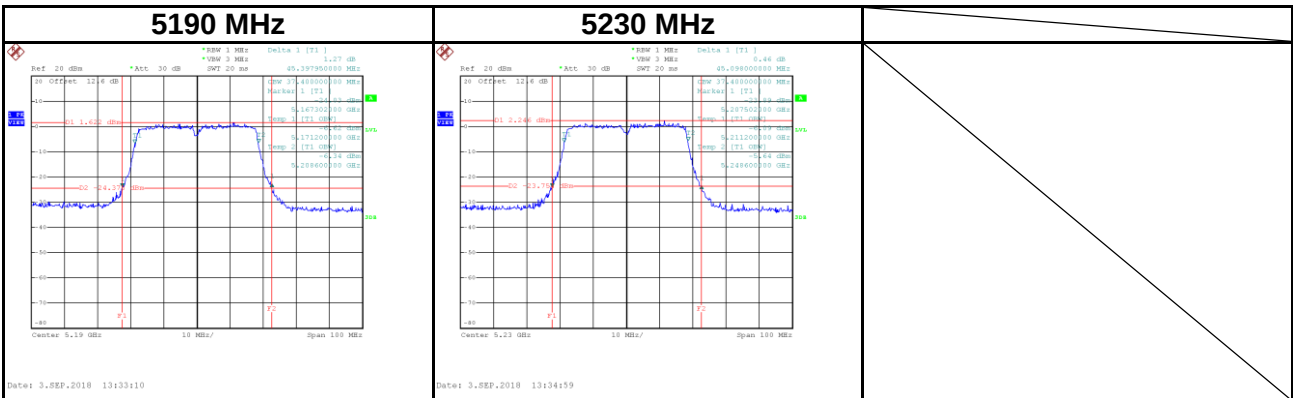
Test Mode UNII-1\_ IEEE 802.11n (HT20)

| Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|-----------------|-----------------------|-------------------------------|
| 5180            | 22.55                 | 16.80                         |
| 5200            | 22.09                 | 16.90                         |
| 5240            | 22.59                 | 16.90                         |



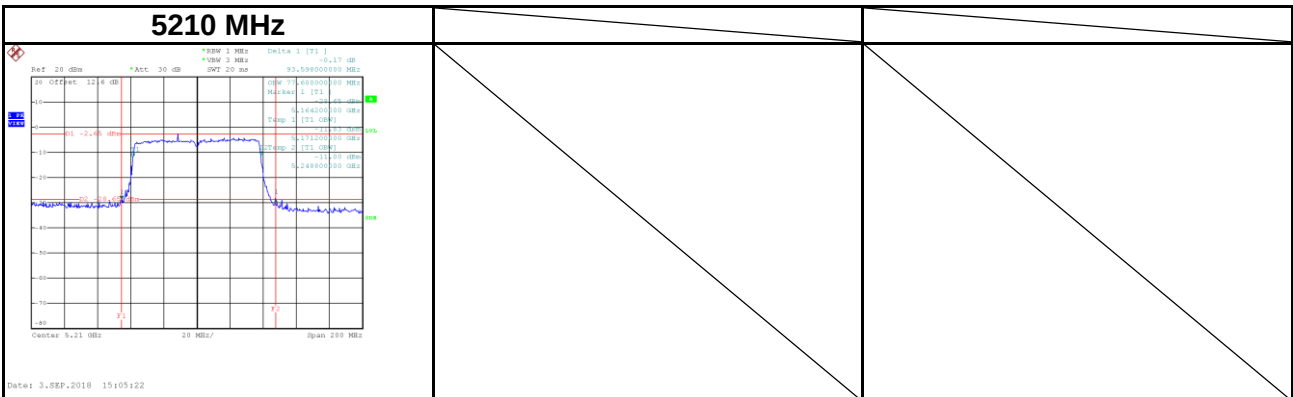
Test Mode UNII-1\_ IEEE 802.11n (HT40)

| Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|-----------------|-----------------------|-------------------------------|
| 5190            | 45.40                 | 37.40                         |
| 5230            | 45.10                 | 37.40                         |



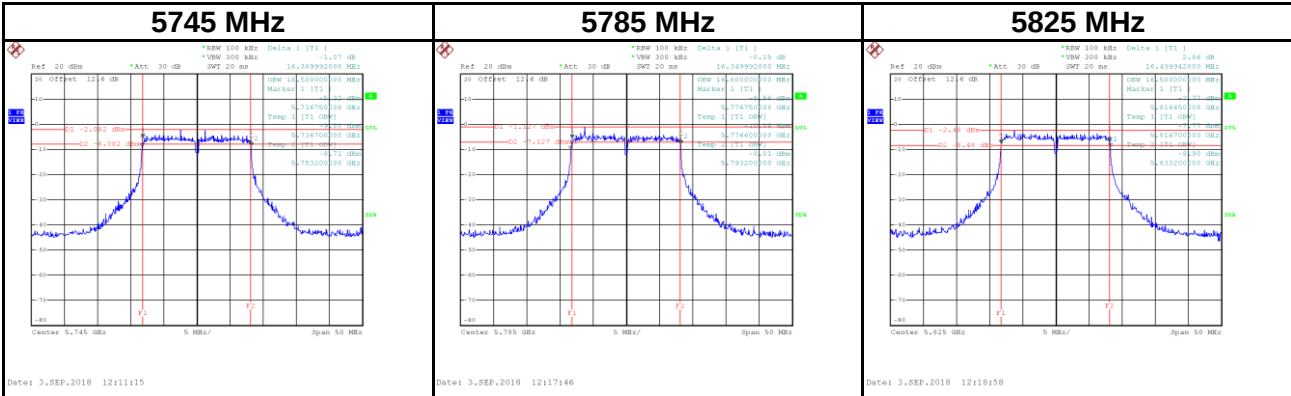
Test Mode UNII-1\_ IEEE 802.11ac (VHT80)

| Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|-----------------|-----------------------|-------------------------------|
| 5210            | 77.60                 | 93.60                         |



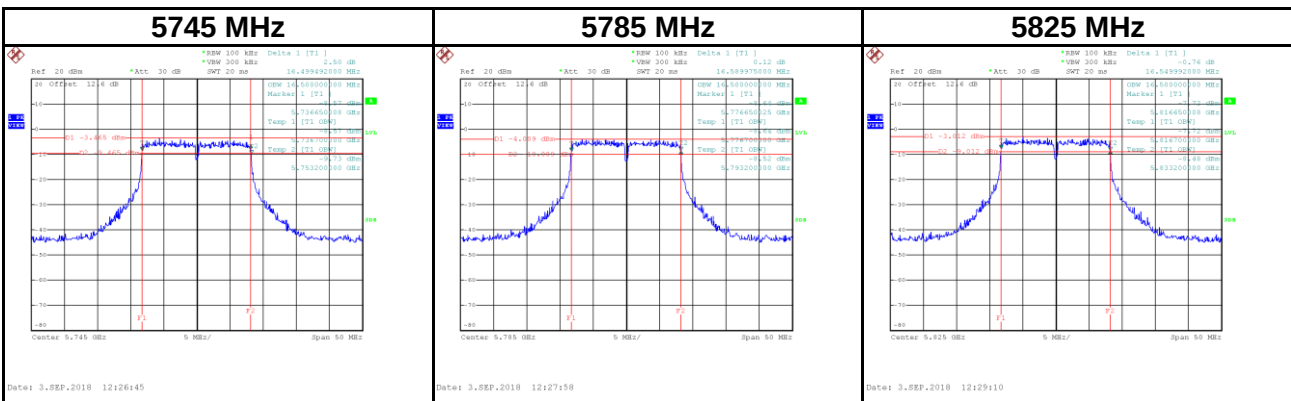
Test Mode UNII-3\_ IEEE 802.11a

| Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|-----------------|----------------------|-------------------------------|
| 5745            | 16.39                | 16.50                         |
| 5785            | 16.35                | 16.60                         |
| 5825            | 16.50                | 16.50                         |



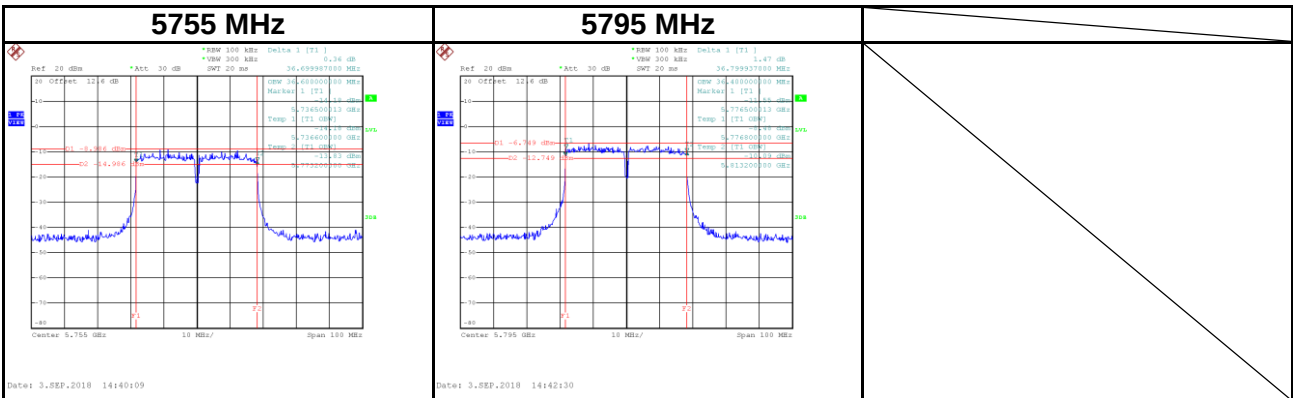
Test Mode UNII-3\_ IEEE 802.11n (HT20)

| Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|-----------------|----------------------|-------------------------------|
| 5745            | 16.50                | 16.50                         |
| 5785            | 16.59                | 16.50                         |
| 5825            | 16.55                | 16.50                         |



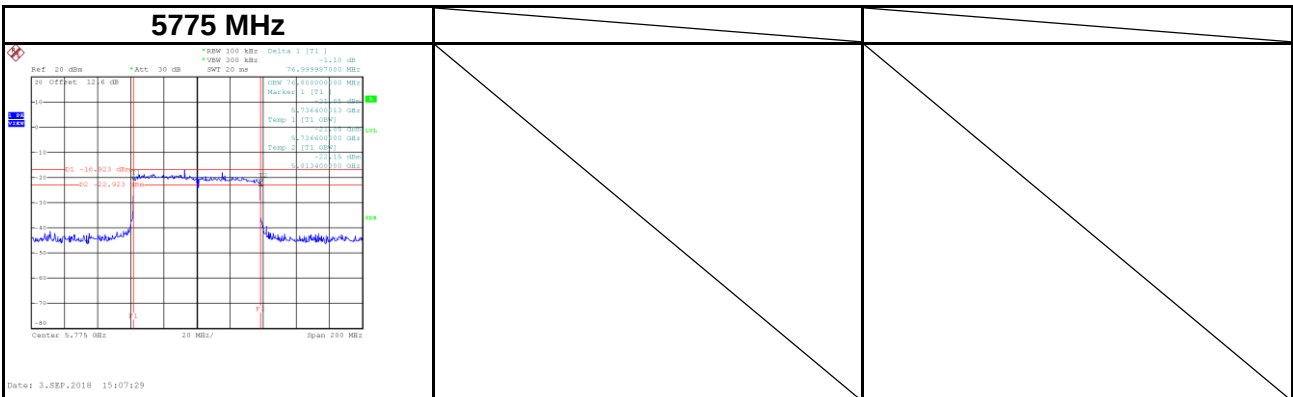
|           |                             |
|-----------|-----------------------------|
| Test Mode | UNII-3_ IEEE 802.11n (HT40) |
|-----------|-----------------------------|

| Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|-----------------|----------------------|-------------------------------|
| 5755            | 36.70                | 36.60                         |
| 5795            | 36.80                | 36.40                         |



|           |                               |
|-----------|-------------------------------|
| Test Mode | UNII-3_ IEEE 802.11ac (VHT80) |
|-----------|-------------------------------|

| Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|-----------------|----------------------|-------------------------------|
| 5775            | 77.00                | 76.80                         |



## APPENDIX F    PEAK OUTPUT POWER

CONTINUE ON NEXT PAGE

|           |                            |
|-----------|----------------------------|
| Test Mode | UNII-1_IIEEE 802.11a_ANT 1 |
|-----------|----------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5180            | 13.98                 | 0.0250              | 30.00            | 1.0000         | Complies |
| 5200            | 12.31                 | 0.0170              | 30.00            | 1.0000         | Complies |
| 5240            | 13.46                 | 0.0222              | 30.00            | 1.0000         | Complies |

|           |                            |
|-----------|----------------------------|
| Test Mode | UNII-1_IIEEE 802.11a_ANT 2 |
|-----------|----------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5180            | 12.51                 | 0.0178              | 30.00            | 1.0000         | Complies |
| 5200            | 12.28                 | 0.0169              | 30.00            | 1.0000         | Complies |
| 5240            | 13.16                 | 0.0207              | 30.00            | 1.0000         | Complies |

|           |                            |
|-----------|----------------------------|
| Test Mode | UNII-1_IIEEE 802.11a_Total |
|-----------|----------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5180            | 16.32                 | 0.0428              | 30.00            | 1.0000         | Complies |
| 5200            | 15.31                 | 0.0339              | 30.00            | 1.0000         | Complies |
| 5240            | 16.32                 | 0.0429              | 30.00            | 1.0000         | Complies |

|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-1_IIEEE 802.11n (HT20)_ANT 1 |
|-----------|-----------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5180            | 11.99                 | 0.0158              | 30.00            | 1.0000         | Complies |
| 5200            | 12.75                 | 0.0188              | 30.00            | 1.0000         | Complies |
| 5240            | 12.91                 | 0.0195              | 30.00            | 1.0000         | Complies |

|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-1_IIEEE 802.11n (HT20)_ANT 2 |
|-----------|-----------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5180            | 11.75                 | 0.0150              | 30.00            | 1.0000         | Complies |
| 5200            | 12.40                 | 0.0174              | 30.00            | 1.0000         | Complies |
| 5240            | 12.76                 | 0.0189              | 30.00            | 1.0000         | Complies |

|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-1_IIEEE 802.11n (HT20)_Total |
|-----------|-----------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5180            | 14.88                 | 0.0308              | 30.00            | 1.0000         | Complies |
| 5200            | 15.59                 | 0.0362              | 30.00            | 1.0000         | Complies |
| 5240            | 15.85                 | 0.0384              | 30.00            | 1.0000         | Complies |

|           |                                    |
|-----------|------------------------------------|
| Test Mode | UNII-1_IIEEE 802.11ac (HT20)_ANT 1 |
|-----------|------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5180            | 11.61                 | 0.0145              | 30.00            | 1.0000         | Complies |
| 5200            | 11.98                 | 0.0158              | 30.00            | 1.0000         | Complies |
| 5240            | 11.94                 | 0.0156              | 30.00            | 1.0000         | Complies |

|           |                                    |
|-----------|------------------------------------|
| Test Mode | UNII-1_IIEEE 802.11ac (HT20)_ANT 2 |
|-----------|------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5180            | 11.26                 | 0.0134              | 30.00            | 1.0000         | Complies |
| 5200            | 11.74                 | 0.0149              | 30.00            | 1.0000         | Complies |
| 5240            | 11.76                 | 0.0150              | 30.00            | 1.0000         | Complies |

|           |                                    |
|-----------|------------------------------------|
| Test Mode | UNII-1_IIEEE 802.11ac (HT20)_Total |
|-----------|------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5180            | 14.45                 | 0.0279              | 30.00            | 1.0000         | Complies |
| 5200            | 14.87                 | 0.0307              | 30.00            | 1.0000         | Complies |
| 5240            | 14.86                 | 0.0306              | 30.00            | 1.0000         | Complies |

|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-1_IIEEE 802.11n (HT40)_ANT 1 |
|-----------|-----------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5190            | 10.38                 | 0.0109              | 30.00            | 1.0000         | Complies |
| 5230            | 12.63                 | 0.0183              | 30.00            | 1.0000         | Complies |

|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-1_IIEEE 802.11n (HT40)_ANT 2 |
|-----------|-----------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5190            | 9.67                  | 0.0093              | 30.00            | 1.0000         | Complies |
| 5230            | 12.03                 | 0.0160              | 30.00            | 1.0000         | Complies |

|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-1_IIEEE 802.11n (HT40)_Total |
|-----------|-----------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5190            | 13.05                 | 0.0202              | 30.00            | 1.0000         | Complies |
| 5230            | 15.35                 | 0.0343              | 30.00            | 1.0000         | Complies |

|           |                                    |
|-----------|------------------------------------|
| Test Mode | UNII-1_IIEEE 802.11ac (HT40)_ANT 1 |
|-----------|------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5190            | 10.31                 | 0.0107              | 30.00            | 1.0000         | Complies |
| 5230            | 11.64                 | 0.0146              | 30.00            | 1.0000         | Complies |

|           |                                    |
|-----------|------------------------------------|
| Test Mode | UNII-1_IIEEE 802.11ac (HT40)_ANT 2 |
|-----------|------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5190            | 9.66                  | 0.0092              | 30.00            | 1.0000         | Complies |
| 5230            | 11.14                 | 0.0130              | 30.00            | 1.0000         | Complies |

|           |                                    |
|-----------|------------------------------------|
| Test Mode | UNII-1_IIEEE 802.11ac (HT40)_Total |
|-----------|------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5190            | 13.01                 | 0.0200              | 30.00            | 1.0000         | Complies |
| 5230            | 14.41                 | 0.0276              | 30.00            | 1.0000         | Complies |

|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-1_IIEEE 802.11ac (VHT80)_ANT 1 |
|-----------|-------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5210            | 9.44                  | 0.0088              | 30.00            | 1.0000         | Complies |

|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-1_IIEEE 802.11ac (VHT80)_ANT 2 |
|-----------|-------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5210            | 8.97                  | 0.0079              | 30.00            | 1.0000         | Complies |

|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-1_IIEEE 802.11ac (VHT80)_Total |
|-----------|-------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5210            | 12.22                 | 0.0167              | 30.00            | 1.0000         | Complies |

|           |                            |
|-----------|----------------------------|
| Test Mode | UNII-3_IIEEE 802.11a_ANT 1 |
|-----------|----------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5745            | 13.65                 | 0.0232              | 30.00            | 1.0000         | Complies |
| 5785            | 13.95                 | 0.0248              | 30.00            | 1.0000         | Complies |
| 5825            | 13.92                 | 0.0247              | 30.00            | 1.0000         | Complies |

|           |                            |
|-----------|----------------------------|
| Test Mode | UNII-3_IIEEE 802.11a_ANT 2 |
|-----------|----------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5745            | 11.83                 | 0.0152              | 30.00            | 1.0000         | Complies |
| 5785            | 12.49                 | 0.0177              | 30.00            | 1.0000         | Complies |
| 5825            | 12.14                 | 0.0164              | 30.00            | 1.0000         | Complies |

|           |                            |
|-----------|----------------------------|
| Test Mode | UNII-3_IIEEE 802.11a_Total |
|-----------|----------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5745            | 15.84                 | 0.0384              | 30.00            | 1.0000         | Complies |
| 5785            | 16.29                 | 0.0426              | 30.00            | 1.0000         | Complies |
| 5825            | 16.13                 | 0.0410              | 30.00            | 1.0000         | Complies |

|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-3_ IEEE 802.11n (HT20)_ANT 1 |
|-----------|-----------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5745            | 12.97                 | 0.0198              | 30.00            | 1.0000         | Complies |
| 5785            | 12.94                 | 0.0197              | 30.00            | 1.0000         | Complies |
| 5825            | 12.91                 | 0.0195              | 30.00            | 1.0000         | Complies |

|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-3_ IEEE 802.11n (HT20)_ANT 2 |
|-----------|-----------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5745            | 11.99                 | 0.0158              | 30.00            | 1.0000         | Complies |
| 5785            | 11.41                 | 0.0138              | 30.00            | 1.0000         | Complies |
| 5825            | 12.05                 | 0.0160              | 30.00            | 1.0000         | Complies |

|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-3_ IEEE 802.11n (HT20)_Total |
|-----------|-----------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5745            | 15.52                 | 0.0356              | 30.00            | 1.0000         | Complies |
| 5785            | 15.25                 | 0.0335              | 30.00            | 1.0000         | Complies |
| 5825            | 15.51                 | 0.0356              | 30.00            | 1.0000         | Complies |

|           |                                    |
|-----------|------------------------------------|
| Test Mode | UNII-3_IIEEE 802.11ac (HT20)_ANT 1 |
|-----------|------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5745            | 11.66                 | 0.0147              | 30.00            | 1.0000         | Complies |
| 5785            | 11.92                 | 0.0156              | 30.00            | 1.0000         | Complies |
| 5825            | 11.84                 | 0.0153              | 30.00            | 1.0000         | Complies |

|           |                                    |
|-----------|------------------------------------|
| Test Mode | UNII-3_IIEEE 802.11ac (HT20)_ANT 2 |
|-----------|------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5745            | 10.93                 | 0.0124              | 30.00            | 1.0000         | Complies |
| 5785            | 11.26                 | 0.0134              | 30.00            | 1.0000         | Complies |
| 5825            | 10.52                 | 0.0113              | 30.00            | 1.0000         | Complies |

|           |                                    |
|-----------|------------------------------------|
| Test Mode | UNII-3_IIEEE 802.11ac (HT20)_Total |
|-----------|------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5745            | 14.32                 | 0.0270              | 30.00            | 1.0000         | Complies |
| 5785            | 14.61                 | 0.0289              | 30.00            | 1.0000         | Complies |
| 5825            | 14.24                 | 0.0265              | 30.00            | 1.0000         | Complies |

|           |                                    |
|-----------|------------------------------------|
| Test Mode | UNII-3_ IEEE 802.11n (HT40)_ ANT 1 |
|-----------|------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5755            | 12.96                 | 0.0198              | 30.00            | 1.0000         | Complies |
| 5795            | 12.52                 | 0.0179              | 30.00            | 1.0000         | Complies |

|           |                                    |
|-----------|------------------------------------|
| Test Mode | UNII-3_ IEEE 802.11n (HT40)_ ANT 2 |
|-----------|------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5755            | 11.50                 | 0.0141              | 30.00            | 1.0000         | Complies |
| 5795            | 12.11                 | 0.0163              | 30.00            | 1.0000         | Complies |

|           |                                    |
|-----------|------------------------------------|
| Test Mode | UNII-3_ IEEE 802.11n (HT40)_ Total |
|-----------|------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5755            | 15.30                 | 0.0339              | 30.00            | 1.0000         | Complies |
| 5795            | 15.33                 | 0.0341              | 30.00            | 1.0000         | Complies |

|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-3_ IEEE 802.11ac (HT40)_ ANT 1 |
|-----------|-------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5755            | 11.91                 | 0.0155              | 30.00            | 1.0000         | Complies |
| 5795            | 11.56                 | 0.0143              | 30.00            | 1.0000         | Complies |

|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-3_ IEEE 802.11ac (HT40)_ ANT 2 |
|-----------|-------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5755            | 10.76                 | 0.0119              | 30.00            | 1.0000         | Complies |
| 5795            | 11.36                 | 0.0137              | 30.00            | 1.0000         | Complies |

|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-3_ IEEE 802.11ac (HT40)_ Total |
|-----------|-------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5755            | 14.38                 | 0.0274              | 30.00            | 1.0000         | Complies |
| 5795            | 14.47                 | 0.0280              | 30.00            | 1.0000         | Complies |

|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-3_IIEEE 802.11ac (VHT80)_ANT 1 |
|-----------|-------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5775            | 10.98                 | 0.0125              | 30.00            | 1.0000         | Complies |

|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-3_IIEEE 802.11ac (VHT80)_ANT 2 |
|-----------|-------------------------------------|

| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5775            | 10.78                 | 0.0120              | 30.00            | 1.0000         | Complies |

|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-3_IIEEE 802.11ac (VHT80)_Total |
|-----------|-------------------------------------|

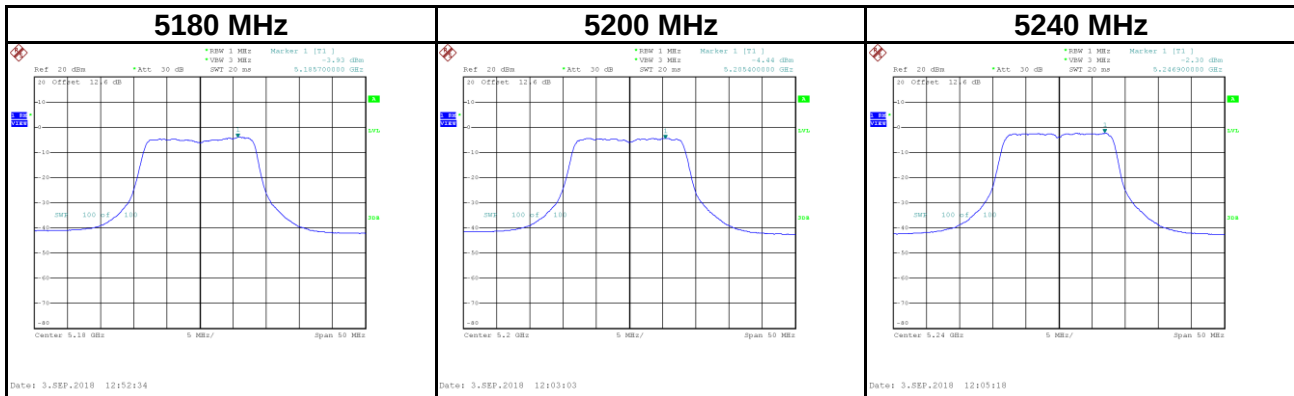
| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|-----------------|-----------------------|---------------------|------------------|----------------|----------|
| 5775            | 13.89                 | 0.0245              | 30.00            | 1.0000         | Complies |

## APPENDIX G POWER SPECTRAL DENSITY

CONTINUE ON NEXT PAGE

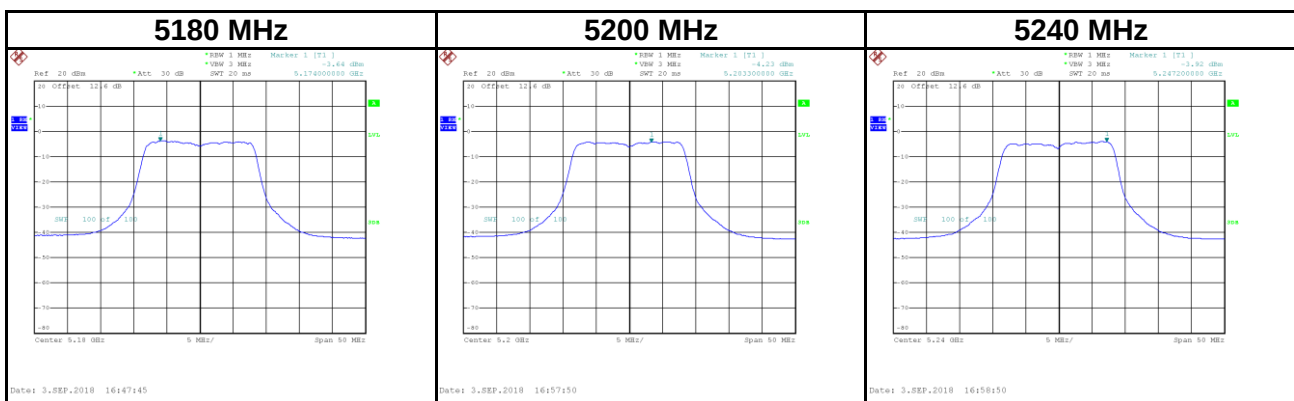
|           |                            |
|-----------|----------------------------|
| Test Mode | UNII-1_ IEEE 802.11a_ANT 1 |
|-----------|----------------------------|

| Frequency | Power Density (dBm/MHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/MHz) | Max. Limit (dBm) | Result   |
|-----------|-------------------------|------------------|---------------------------------------|------------------|----------|
| 5180      | -3.93                   | 0.00             | -3.93                                 | 16.29            | Complies |
| 5200      | -4.44                   | 0.00             | -4.44                                 | 16.29            | Complies |
| 5240      | -2.30                   | 0.00             | -2.30                                 | 16.29            | Complies |



|           |                           |
|-----------|---------------------------|
| Test Mode | UNII-1_IEEE 802.11a_ANT 2 |
|-----------|---------------------------|

| Frequency | Power Density (dBm/MHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/MHz) | Max. Limit (dBm) | Result   |
|-----------|-------------------------|------------------|---------------------------------------|------------------|----------|
| 5180      | -3.64                   | 0.00             | -3.64                                 | 16.29            | Complies |
| 5200      | -4.23                   | 0.00             | -4.23                                 | 16.29            | Complies |
| 5240      | -3.92                   | 0.00             | -3.92                                 | 16.29            | Complies |

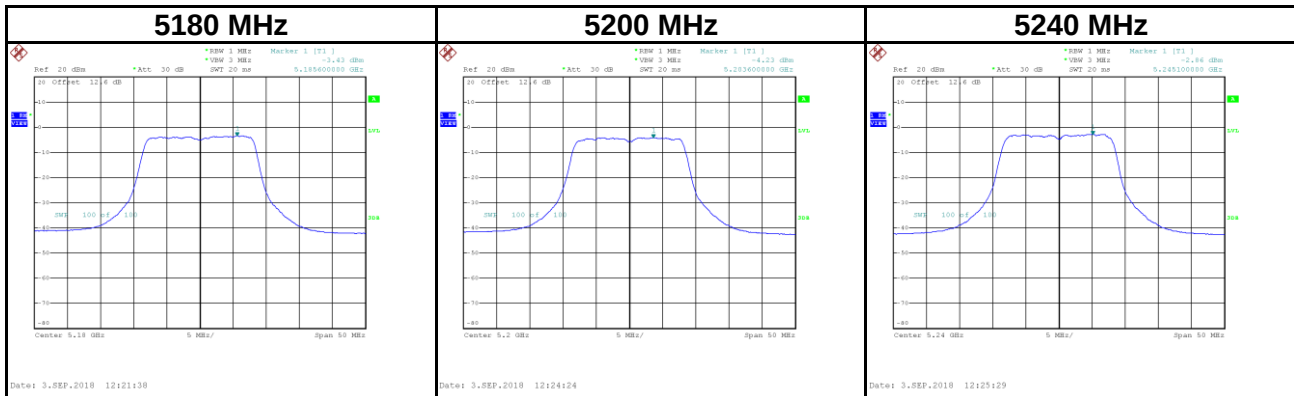


|           |                            |
|-----------|----------------------------|
| Test Mode | UNII-1_IIEEE 802.11a_Total |
|-----------|----------------------------|

| Frequency | Power Density + Duty Factor<br>(dBm/MHz) | Max. Limit<br>(dBm) | Result   |
|-----------|------------------------------------------|---------------------|----------|
| 5180      | -0.77                                    | 16.29               | Complies |
| 5200      | -1.32                                    | 16.29               | Complies |
| 5240      | -0.02                                    | 16.29               | Complies |

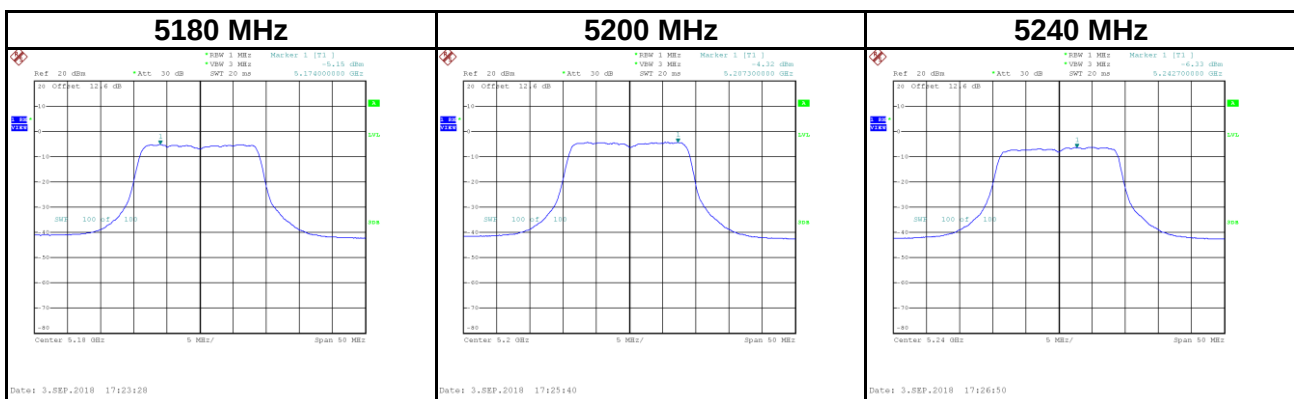
Test Mode UNII-1\_ IEEE 802.11n (HT20)\_ANT 1

| Frequency | Power Density (dBm/MHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/MHz) | Max. Limit (dBm) | Result   |
|-----------|-------------------------|------------------|---------------------------------------|------------------|----------|
| 5180      | -3.43                   | 0.00             | -3.43                                 | 16.29            | Complies |
| 5200      | -4.23                   | 0.00             | -4.23                                 | 16.29            | Complies |
| 5240      | -2.86                   | 0.00             | -2.86                                 | 16.29            | Complies |



Test Mode UNII-1\_ IEEE 802.11n (HT20)\_ANT 2

| Frequency | Power Density (dBm/MHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/MHz) | Max. Limit (dBm) | Result   |
|-----------|-------------------------|------------------|---------------------------------------|------------------|----------|
| 5180      | -5.15                   | 0.00             | -5.15                                 | 16.29            | Complies |
| 5200      | -4.32                   | 0.00             | -4.32                                 | 16.29            | Complies |
| 5240      | -6.33                   | 0.00             | -6.33                                 | 16.29            | Complies |

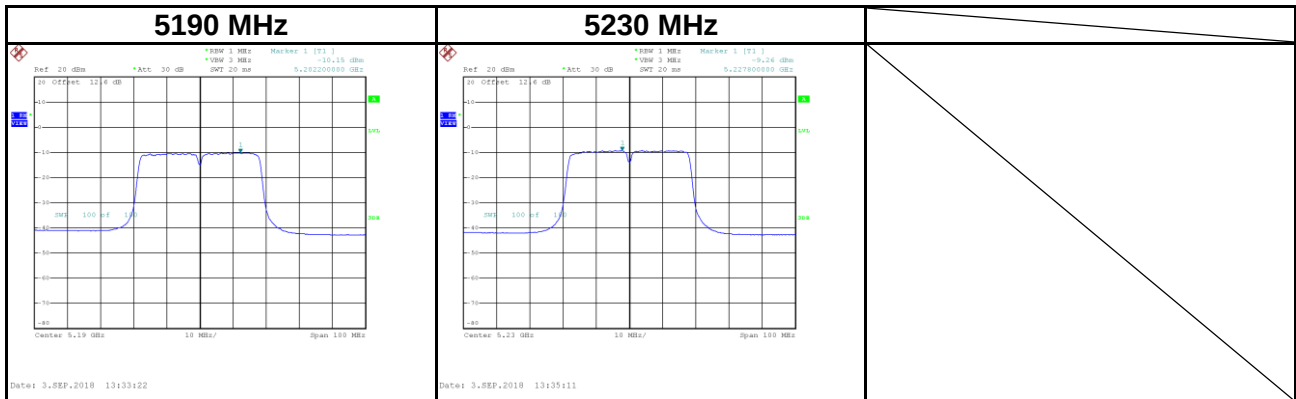


|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-1_IIEEE 802.11n (HT20)_Total |
|-----------|-----------------------------------|

| Frequency | Power Density + Duty Factor<br>(dBm/MHz) | Max. Limit<br>(dBm) | Result   |
|-----------|------------------------------------------|---------------------|----------|
| 5180      | -1.20                                    | 16.29               | Complies |
| 5200      | -1.26                                    | 16.29               | Complies |
| 5240      | -1.25                                    | 16.29               | Complies |

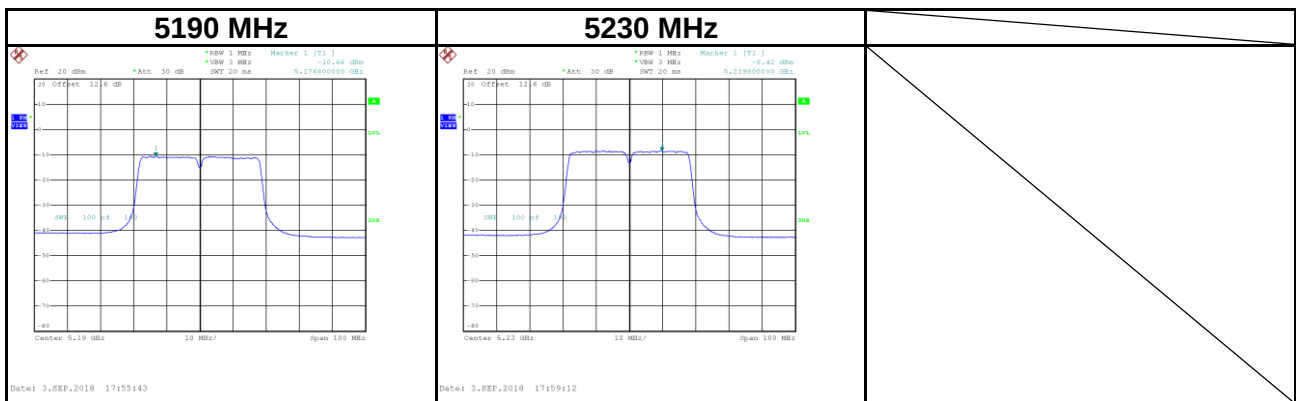
|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-1_ IEEE 802.11n (HT40)_ANT 1 |
|-----------|-----------------------------------|

| Frequency | Power Density (dBm/MHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/MHz) | Max. Limit (dBm) | Result   |
|-----------|-------------------------|------------------|---------------------------------------|------------------|----------|
| 5190      | -10.15                  | 0.00             | -10.15                                | 16.29            | Complies |
| 5230      | -9.26                   | 0.00             | -9.26                                 | 16.29            | Complies |



|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-1_ IEEE 802.11n (HT40)_ANT 2 |
|-----------|-----------------------------------|

| Frequency | Power Density (dBm/MHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/MHz) | Max. Limit (dBm) | Result   |
|-----------|-------------------------|------------------|---------------------------------------|------------------|----------|
| 5190      | -10.66                  | 0.00             | -10.66                                | 16.29            | Complies |
| 5230      | -8.42                   | 0.00             | -8.42                                 | 16.29            | Complies |

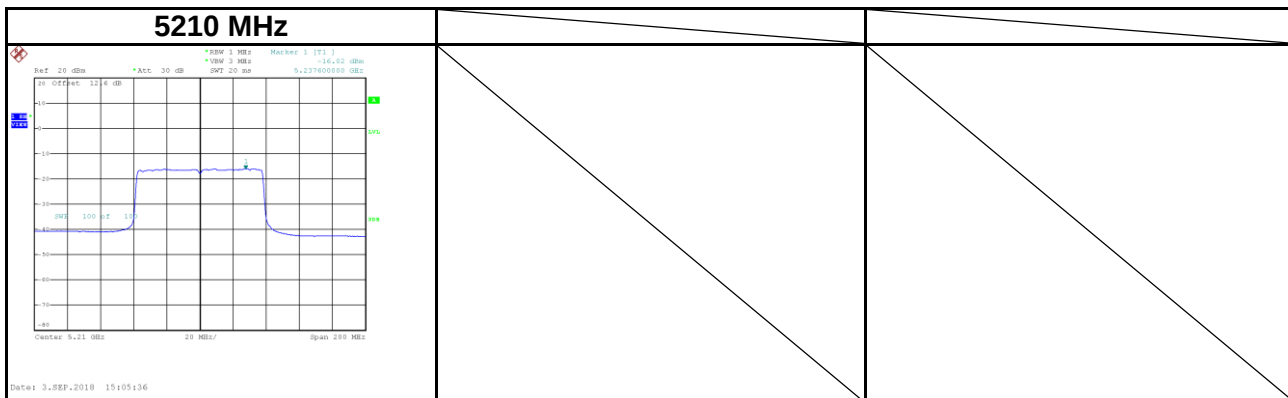


|           |                                    |
|-----------|------------------------------------|
| Test Mode | UNII-1_ IEEE 802.11n (HT40)_ Total |
|-----------|------------------------------------|

| Frequency | Power Density + Duty Factor (dBm/MHz) | Max. Limit (dBm) | Result   |
|-----------|---------------------------------------|------------------|----------|
| 5190      | -7.39                                 | 16.29            | Complies |
| 5230      | -5.81                                 | 16.29            | Complies |

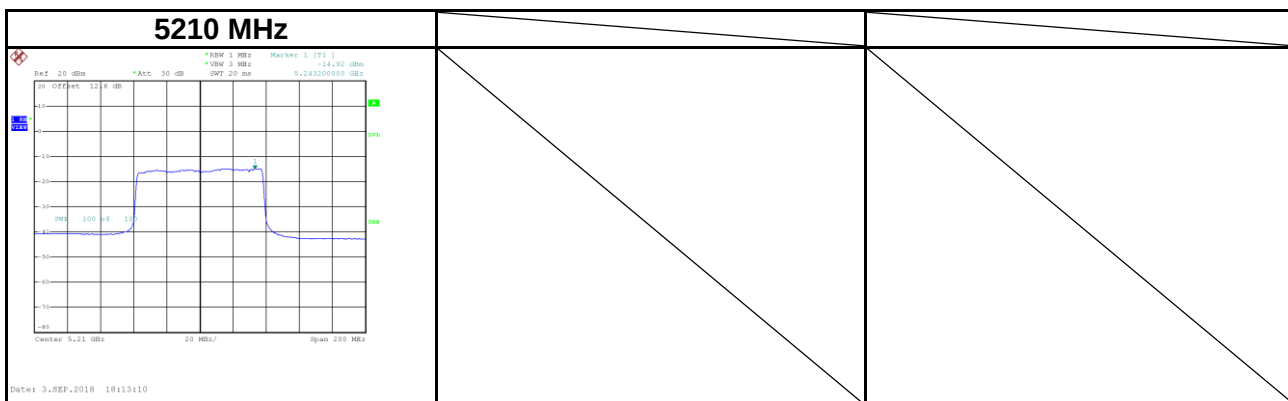
|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-1_IIEEE 802.11ac (VHT80)_ANT 1 |
|-----------|-------------------------------------|

| Frequency | Power Density (dBm/MHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/MHz) | Max. Limit (dBm) | Result   |
|-----------|-------------------------|------------------|---------------------------------------|------------------|----------|
| 5210      | -16.02                  | 0.00             | -16.02                                | 16.29            | Complies |



|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-1_IIEEE 802.11ac (VHT80)_ANT 2 |
|-----------|-------------------------------------|

| Frequency | Power Density (dBm/MHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/MHz) | Max. Limit (dBm) | Result   |
|-----------|-------------------------|------------------|---------------------------------------|------------------|----------|
| 5210      | -14.92                  | 0.00             | -14.92                                | 16.29            | Complies |

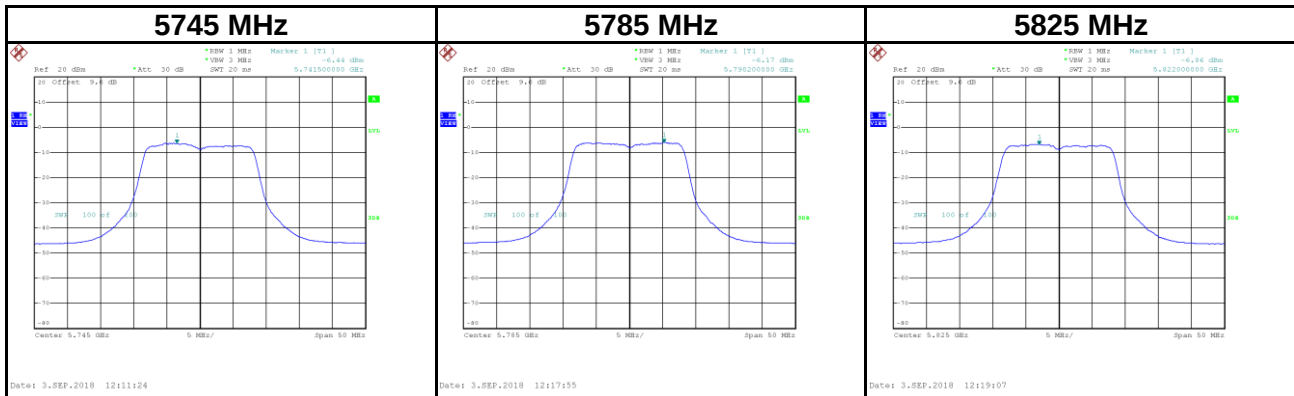


|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-1_IIEEE 802.11ac (VHT80)_Total |
|-----------|-------------------------------------|

| Frequency | Power Density + Duty Factor (dBm/MHz) | Max. Limit (dBm) | Result   |
|-----------|---------------------------------------|------------------|----------|
| 5210      | -12.42                                | 16.29            | Complies |

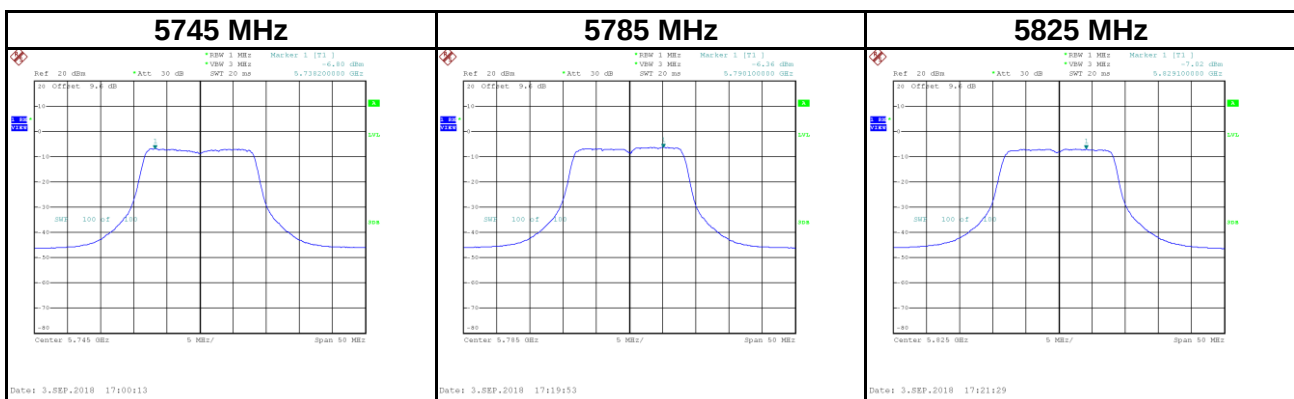
Test Mode UNII-3\_ IEEE 802.11a\_ANT 1

| Frequency | Power Density (dBm/500 kHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm) | Result   |
|-----------|-----------------------------|------------------|-------------------------------------------|------------------|----------|
| 5745      | -6.44                       | 0.00             | -6.44                                     | 29.29            | Complies |
| 5785      | -6.17                       | 0.00             | -6.17                                     | 29.29            | Complies |
| 5825      | -6.86                       | 0.00             | -6.86                                     | 29.29            | Complies |



Test Mode UNII-3\_ IEEE 802.11a\_ANT 2

| Frequency | Power Density (dBm/500 kHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm) | Result   |
|-----------|-----------------------------|------------------|-------------------------------------------|------------------|----------|
| 5745      | -6.80                       | 0.00             | -6.80                                     | 29.29            | Complies |
| 5785      | -6.36                       | 0.00             | -6.36                                     | 29.29            | Complies |
| 5825      | -7.02                       | 0.00             | -7.02                                     | 29.29            | Complies |

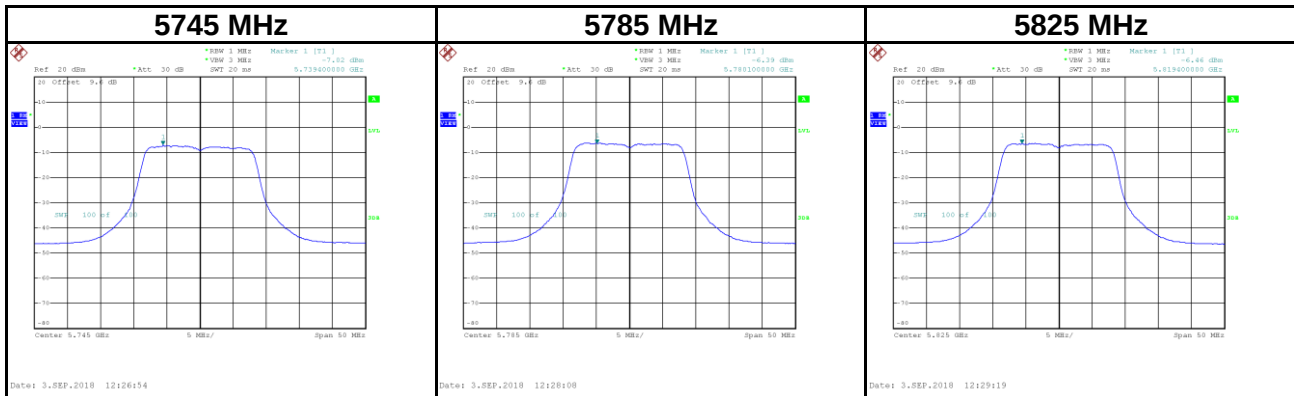


|           |                            |
|-----------|----------------------------|
| Test Mode | UNII-3_IIEEE 802.11a_Total |
|-----------|----------------------------|

| Frequency | Power Density + Duty Factor<br>(dBm/500 kHz) | Max. Limit<br>(dBm) | Result   |
|-----------|----------------------------------------------|---------------------|----------|
| 5745      | -3.61                                        | 29.29               | Complies |
| 5785      | -3.25                                        | 29.29               | Complies |
| 5825      | -3.93                                        | 29.29               | Complies |

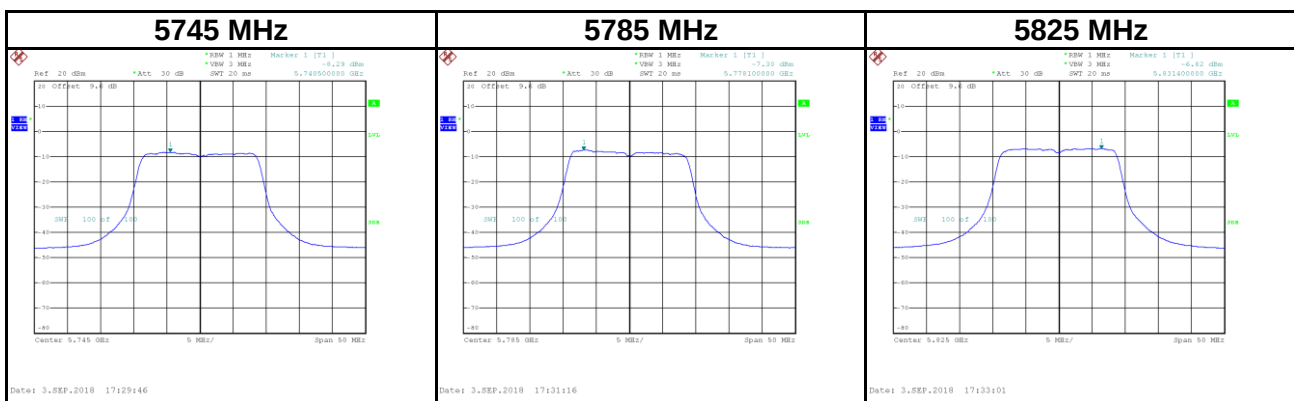
Test Mode UNII-3\_ IEEE 802.11n (HT20)\_ANT 1

| Frequency | Power Density (dBm/500 kHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm) | Result   |
|-----------|-----------------------------|------------------|-------------------------------------------|------------------|----------|
| 5745      | -7.02                       | 0.00             | -7.02                                     | 29.29            | Complies |
| 5785      | -6.39                       | 0.00             | -6.39                                     | 29.29            | Complies |
| 5825      | -6.46                       | 0.00             | -6.46                                     | 29.29            | Complies |



Test Mode UNII-3\_ IEEE 802.11n (HT20)\_ANT 2

| Frequency | Power Density (dBm/500 kHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm) | Result   |
|-----------|-----------------------------|------------------|-------------------------------------------|------------------|----------|
| 5745      | -8.29                       | 0.00             | -8.29                                     | 29.29            | Complies |
| 5785      | -7.30                       | 0.00             | -7.30                                     | 29.29            | Complies |
| 5825      | -6.82                       | 0.00             | -6.82                                     | 29.29            | Complies |

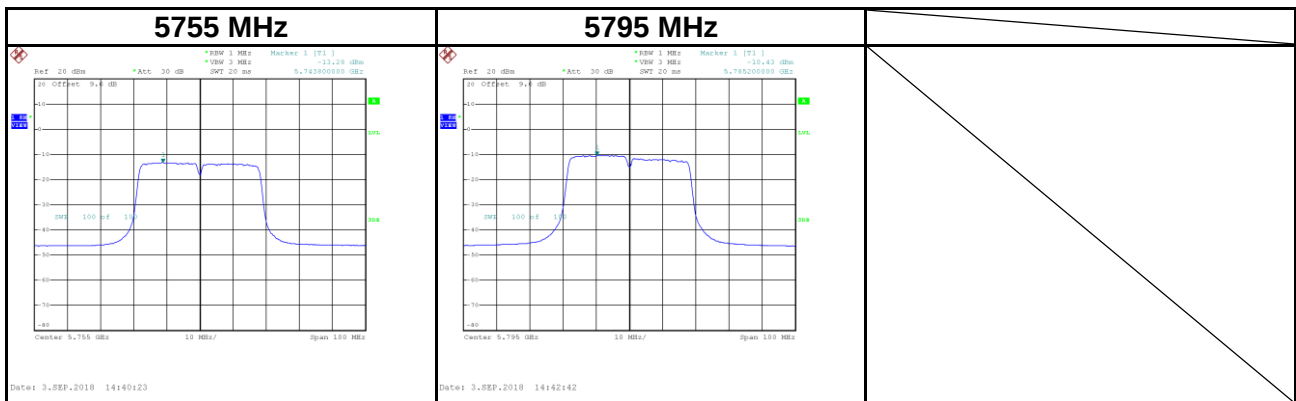


|           |                                    |
|-----------|------------------------------------|
| Test Mode | UNII-3_ IEEE 802.11n (HT20)_ Total |
|-----------|------------------------------------|

| Frequency | Power Density + Duty Factor<br>(dBm/500 kHz) | Max. Limit<br>(dBm) | Result   |
|-----------|----------------------------------------------|---------------------|----------|
| 5745      | -4.60                                        | 29.29               | Complies |
| 5785      | -3.81                                        | 29.29               | Complies |
| 5825      | -3.63                                        | 29.29               | Complies |

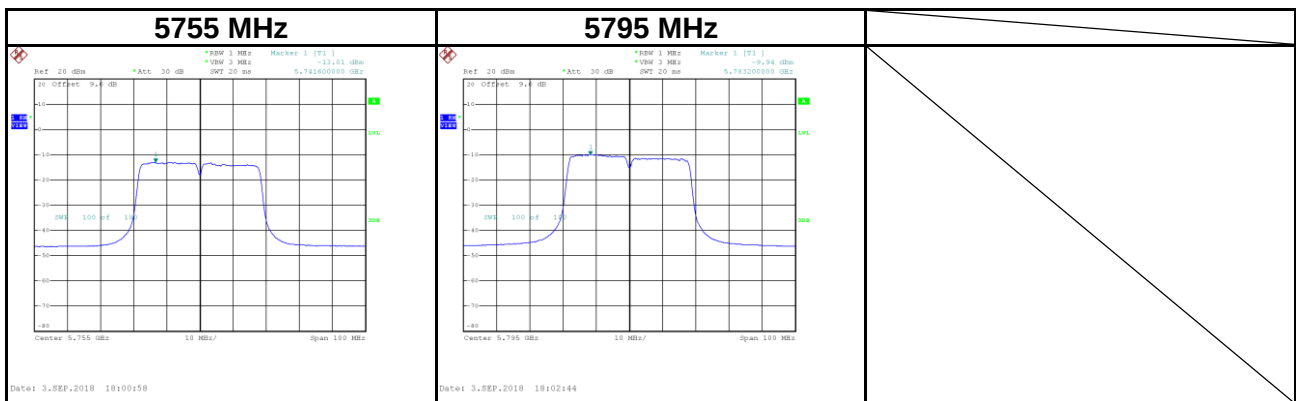
|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-3_ IEEE 802.11n (HT40)_ANT 1 |
|-----------|-----------------------------------|

| Frequency | Power Density (dBm/500 kHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm) | Result   |
|-----------|-----------------------------|------------------|-------------------------------------------|------------------|----------|
| 5755      | -13.28                      | 0.00             | -13.28                                    | 29.29            | Complies |
| 5795      | -10.43                      | 0.00             | -10.43                                    | 29.29            | Complies |



|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-3_ IEEE 802.11n (HT40)_ANT 2 |
|-----------|-----------------------------------|

| Frequency | Power Density (dBm/500 kHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm) | Result   |
|-----------|-----------------------------|------------------|-------------------------------------------|------------------|----------|
| 5755      | -13.01                      | 0.00             | -13.01                                    | 29.29            | Complies |
| 5795      | -9.94                       | 0.00             | -9.94                                     | 29.29            | Complies |

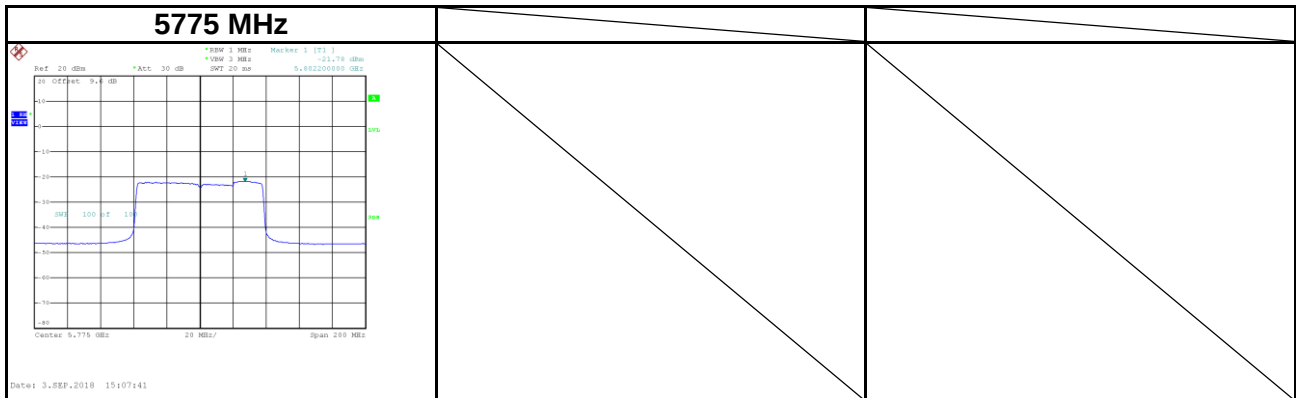


|           |                                   |
|-----------|-----------------------------------|
| Test Mode | UNII-3_ IEEE 802.11n (HT40)_Total |
|-----------|-----------------------------------|

| Frequency | Power Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm) | Result   |
|-----------|-------------------------------------------|------------------|----------|
| 5755      | -10.13                                    | 29.29            | Complies |
| 5795      | -7.17                                     | 29.29            | Complies |

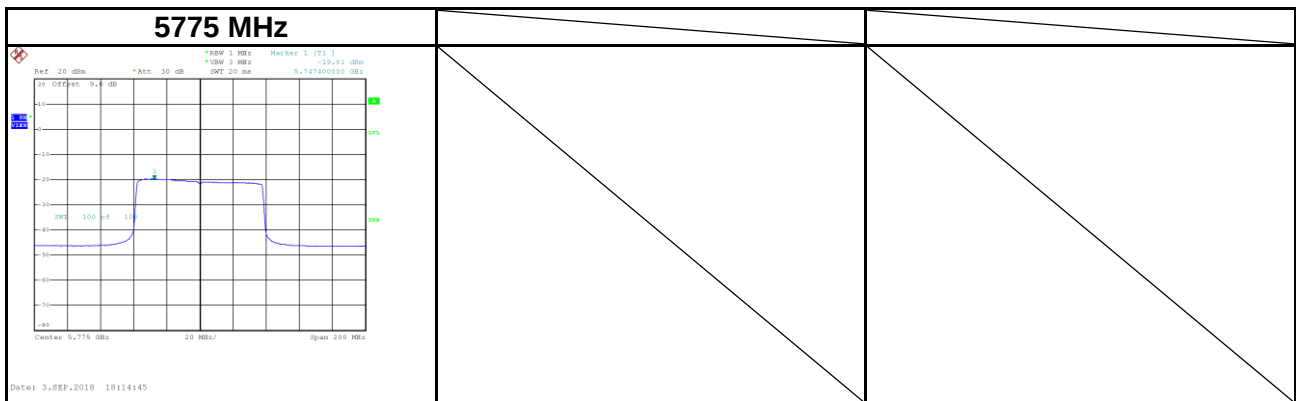
|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-3_ IEEE 802.11ac (VHT80)_ANT 1 |
|-----------|-------------------------------------|

| Frequency | Power Density (dBm/500 kHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm) | Result   |
|-----------|-----------------------------|------------------|-------------------------------------------|------------------|----------|
| 5775      | -21.78                      | 0.00             | -21.78                                    | 29.29            | Complies |



|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-3_ IEEE 802.11ac (VHT80)_ANT 2 |
|-----------|-------------------------------------|

| Frequency | Power Density (dBm/500 kHz) | Duty Factor (dB) | Power Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm) | Result   |
|-----------|-----------------------------|------------------|-------------------------------------------|------------------|----------|
| 5775      | -19.81                      | 0.00             | -19.81                                    | 29.29            | Complies |



|           |                                     |
|-----------|-------------------------------------|
| Test Mode | UNII-3_ IEEE 802.11ac (VHT80)_Total |
|-----------|-------------------------------------|

| Frequency | Power Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm) | Result   |
|-----------|-------------------------------------------|------------------|----------|
| 5775      | -17.67                                    | 29.29            | Complies |

## APPENDIX H FREQUENCY STABILITY

CONTINUE ON NEXT PAGE

|           |        |
|-----------|--------|
| Test Mode | UNII-1 |
|-----------|--------|

### Voltage vs. Frequency Stability

|                         |                             |
|-------------------------|-----------------------------|
| Operating Frequency     | 5180                        |
| Voltage (V)             | Measurement Frequency (MHz) |
| 132                     | 5179.9480                   |
| 120                     | 5179.9484                   |
| 108                     | 5179.9496                   |
| Maximum Deviation (MHz) | 0.0520                      |
| Maximum Deviation (ppm) | 10.0386                     |

### Temperature vs. Frequency Stability

|                         |                             |
|-------------------------|-----------------------------|
| Operating Frequency     | 5180                        |
| Temperature (°C)        | Measurement Frequency (MHz) |
| 0                       | 5179.9528                   |
| 10                      | 5179.9532                   |
| 20                      | 5179.9540                   |
| 30                      | 5179.9536                   |
| 40                      | 5179.9544                   |
| 50                      | 5179.9540                   |
| 55                      | 5179.9508                   |
| Maximum Deviation (MHz) | 0.0492                      |
| Maximum Deviation (ppm) | 9.4981                      |

|           |        |
|-----------|--------|
| Test Mode | UNII-3 |
|-----------|--------|

### Voltage vs. Frequency Stability

|                         |                             |
|-------------------------|-----------------------------|
| Operating Frequency     | 5745                        |
| Voltage (V)             | Measurement Frequency (MHz) |
| 132                     | 5745.0000                   |
| 120                     | 5744.9420                   |
| 108                     | 5744.9480                   |
| Maximum Deviation (MHz) | 5744.9480                   |
| Maximum Deviation (ppm) | 0.0580                      |

### Temperature vs. Frequency Stability

|                         |                             |
|-------------------------|-----------------------------|
| Operating Frequency     | 5745                        |
| Temperature (°C)        | Measurement Frequency (MHz) |
| 0                       | 5744.9484                   |
| 10                      | 5744.9492                   |
| 20                      | 5744.9492                   |
| 30                      | 5744.9496                   |
| 40                      | 5744.9496                   |
| 50                      | 5744.9496                   |
| 55                      | 5744.9488                   |
| Maximum Deviation (MHz) | 0.0516                      |
| Maximum Deviation (ppm) | 8.9817                      |

End of Test Report