

FCC Radio Test Report

FCC ID: Q87-RE7000

This report concerns (check one): Original Grant Class I Change Class II Change

Project No. : 1602056
Equipment : WiFi repeater
Model Name : RE7000
Applicant : Linksys LLC
Address : 121 Theory Drive, Irvine, CA, 92617, USA

Date of Receipt : Feb. 18, 2016
Date of Test : Feb. 18, 2016 ~ Mar. 28, 2016
Issued Date : Mar. 29, 2016
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REPORT ISSUED HISTORY

| Issued No. | Description | Issued Date |
|--------------------|-----------------|---------------|
| BTL-FCCP-2-1602056 | Original Issue. | Mar. 29, 2016 |

1. CERTIFICATION

Equipment : WiFi repeater
Brand Name : LINKSYS
Model Name : RE7000
Applicant : Linksys LLC
Date of Test : Feb. 18, 2016 ~ Mar. 28, 2016
Test Sample : Engineering Sample
Standard(s) : FCC Part15, Subpart E(15.407) / ANSI C63.10-2013

The above equipment has been tested and found 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-2-1602056) 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 5G WIFI UNII-1 & UNII-3 part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| FCC Part15, Subpart E | | | |
|------------------------|-----------------------------------|----------|---|
| Standard(s) Section | Test Item | Judgment | Under Limit |
| 15.207 | AC Power Line Conducted Emissions | PASS | Limit Minimum passing margin is -4.91 dB at 0.7340 MHz |
| 15.407(a) | 26dB Spectrum Bandwidth | PASS | - |
| 15.407(a) | Maximum Conducted Output Power | PASS | Limit Maximum output power is 25.65 dBm |
| 15.407(a) | Power Spectral Density | PASS | - |
| 15.407(a) | Radiated Emissions | PASS | Limit Minimum passing margin is -2.94 dB at 35.8200 MHz |
| 15.407(b) | Band Edge Emissions | PASS | Limit Minimum passing margin is -1.07 dB at 5724.25 MHz |
| 15.407(g) | Frequency Stability | PASS | - |
| 15.203 | Antenna Requirements | PASS | - |

NOTE:

(1) "N/A" denotes test is not applicable in this test report.

2.1 TEST FACILITY

Conducted emission Test:

C05: (VCCI RN: C-4742; FCC RN:949005; FCC DN:TW1082)
No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

Radiated emission Test (Below 1 GHz):

CB11: (VCCI RN: R-4260; FCC RN:949005; FCC DN:TW1082; IC Assigned Code:20088)
No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

Radiated emission Test (Above 1 GHz):

CB11: (VCCI RN: G-868; FCC RN:949005; FCC DN:TW1082; IC Assigned Code:20088)
No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

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_{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. Conducted emission test:

| Test Site | Method | Measurement Frequency Range | U,(dB) |
|-----------|--------|-----------------------------|--------|
| C05 | CISPR | 150 kHz ~ 30MHz | 2.04 |

B. Radiated emission test:

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U,(dB) |
|--------------|--------|-----------------------------|------------|--------|
| CB11 (3m) | CISPR | 30MHz ~ 200MHz | V | 3.06 |
| | | 30MHz ~ 200MHz | H | 2.58 |
| | | 200MHz ~ 1,000MHz | V | 3.50 |
| | | 200MHz ~ 1,000MHz | H | 3.10 |

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U,(dB) |
|--------------|--------|-----------------------------|------------|--------|
| CB11 (3m) | CISPR | 1GHz ~ 6GHz | V | 4.14 |
| | | 1GHz ~ 6GHz | H | 4.14 |
| | | 6GHz ~ 18GHz | V | 5.34 |
| | | 6GHz ~ 18GHz | H | 5.34 |

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

It can be seen that our U_{lab} values are smaller than U_{CISPR} .

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

| | | |
|---------------------|--|---|
| Equipment | WiFi repeater | |
| Brand Name | LINKSYS | |
| Model Name | RE7000 | |
| Mode Different | N/A | |
| Product Description | Operation Frequency | UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz |
| | Modulation Type | OFDM |
| | Bit Rate of Transmitter | 300Mbps |
| Power Source | AC Mains Power Board: #1 Brand / Model: HON-KWANG / HK-XX24-A12 #2 Brand / Model: AMIGO / AMS151-1202000F | |
| Power Rating | I/P: 100-240V~50/60Hz 0.5A O/P: 12V 2.0A | |
| Output Power | Output Power (Max.)for UNII-1 Non-Beamforming | 802.11a: 21.21dBm 802.11n (20M): 22.72dBm 802.11n (40M): 24.17dBm 802.11ac (20M): 22.70dBm 802.11ac (40M): 22.37dBm 802.11ac (80M): 25.22dBm |
| | Output Power (Max.)for UNII-3 Non-Beamforming | 802.11a: 21.09dBm 802.11n (20M): 22.60dBm 802.11n (40M): 23.84dBm 802.11ac (20M): 22.76dBm 802.11ac (40M): 23.56dBm 802.11ac (80M): 25.65dBm |
| | Output Power (Max.)for UNII-1 Beamforming | 802.11n (20M): 22.90dBm 802.11n (40M): 22.85dBm 802.11ac (80M): 20.25dBm |
| | Output Power (Max.)for UNII-3 Beamforming | 802.11n (20M): 21.12dBm 802.11n (40M): 22.48dBm 802.11ac (80M): 19.08dBm |

Note:

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

2. Channel List:

| 802.11a 802.11n 20MHz 802.11ac 20MHz | | 802.11n 40MHz 802.11ac 40MHz | | 802.11ac 80MHz | |
|--|-----------------|---------------------------------|-----------------|----------------|-----------------|
| UNII-1 | | UNII-1 | | UNII-1 | |
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 36 | 5180 | 38 | 5190 | 42 | 5210 |
| 40 | 5200 | 46 | 5230 | | |
| 44 | 5220 | | | | |
| 48 | 5240 | | | | |

| 802.11a 802.11n 20MHz 802.11ac 20MHz | | 802.11n 40MHz 802.11ac 40MHz | | 802.11ac 80MHz | |
|--|-----------------|---------------------------------|-----------------|----------------|-----------------|
| UNII-3 | | UNII-3 | | UNII-3 | |
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 149 | 5745 | 151 | 5755 | 155 | 5775 |
| 153 | 5765 | 159 | 5795 | | |
| 157 | 5785 | | | | |
| 161 | 5805 | | | | |
| 165 | 5825 | | | | |

3. Table for Filed Antenna:

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) | | Note |
|------|-----------|------------|--------------|-----------|------------|--------|-------|
| | | | | | Band 1 | Band 4 | |
| 1 | Aristotle | N/A | PCB | iPEX | 3.21 | 3.21 | TX/RX |
| 2 | Aristotle | N/A | PCB | iPEX | 3.30 | 3.30 | TX/RX |
| 3 | Aristotle | N/A | PCB | iPEX | 3.25 | 3.25 | TX/RX |
| 4 | Aristotle | N/A | PCB | iPEX | 2.46 | 2.46 | TX/RX |

Note:

- (1) The EUT incorporates a MIMO function. Physically, the EUT provides four completed transmitters and receivers (4T4R), All transmit signals are completely uncorrelated.
- (2) All Ant. 1, Ant. 2, Ant. 3 and Ant. 4 can be used as transmitting/receiving antenna. Ant. 1, Ant. 2, Ant. 3 and Ant. 4 could transmit/receive simultaneously. The Ant. 1+ Ant. 2+ Ant. 3 + Ant. 4 generated the worst case, so it was selected to test and record in the report.
- (3) The EUT(N mode & AC mode) with beamforming function, then,

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where N_{SS} = the number of independent spatial streams of data,
 N_{ANT} = the total number of antennas
 $g_{j,k}$ = if the k th antenna is being fed by spatial stream j , or zero if it is not;
 G_k is the gain in dBi of the k th antenna
 Directional gain = $10 \cdot \text{LOG} \left(\frac{(10^{(ant.1 \text{ gain}/20)} + 10^{(ant.2 \text{ gain}/20)} + 10^{(ant.3 \text{ gain}/20)} + 10^{(ant.4 \text{ gain}/20)})^2}{4} \right)$
 the Output Power of UNII-1 & UNII-3 limit = $30 - (9.08 - 6) = 26.92$,
 the PSD of UNII-1 for AC mode limit = $17 - (9.08 - 6) = 13.92$,
 the PSD of UNII-3 for AC mode limit = $30 - (9.08 - 6) = 26.92$

4.

| Operating Mode | TX Mode | 4TX |
|----------------|-----------------|------------------------------------|
| | 802.11a | √ (ANT 1 + ANT 2+ ANT 3+ ANT 4) |
| | 802.11n(20MHz) | √ (ANT 1 + ANT 2+ ANT 3+ ANT 4) |
| | 802.11n(40MHz) | √ (ANT 1 + ANT 2+ ANT 3+ ANT 4) |
| | 802.11ac(20MHz) | √ (ANT 1 + ANT 2+ ANT 3+ ANT 4) |
| | 802.11ac(40MHz) | √ (ANT 1 + ANT 2+ ANT 3+ ANT 4) |
| | 802.11ac(80MHz) | √ (ANT 1 + ANT 2+ ANT 3+ ANT 4) |

3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

| Pretest Mode | Description |
|--------------|---|
| Mode 1 | TX A Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 2 | TX N20 Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 3 | TX N40 Mode / CH38, CH46 (UNII-1) |
| Mode 4 | TX AC20 Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 5 | TX AC40 Mode / CH38, CH46 (UNII-1) |
| Mode 6 | TX AC80 Mode / CH42 (UNII-1) |
| Mode 7 | TX A Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 8 | TX N20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 9 | TX N40 Mode / CH151,CH159 (UNII-3) |
| Mode 10 | TX AC20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11 | TX AC40 Mode / CH151,CH159 (UNII-3) |
| Mode 12 | TX AC80 Mode / CH155 (UNII-3) |
| Mode 13 | Normal Link |

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

| For AC Power Line Conducted Emissions Test | |
|---|---|
| Final Test Mode | Description |
| Mode 13 | Normal Link |
| For 26dB Spectrum Bandwidth Test | |
| Final Test Mode | Description |
| Mode 1 | TX A Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 2 | TX N20 Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 3 | TX N40 Mode / CH38, CH46 (UNII-1) |
| Mode 4 | TX AC20 Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 5 | TX AC40 Mode / CH38, CH46 (UNII-1) |
| Mode 6 | TX AC80 Mode / CH42 (UNII-1) |
| Mode 7 | TX A Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 8 | TX N20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 9 | TX N40 Mode / CH151,CH159 (UNII-3) |
| Mode 10 | TX AC20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11 | TX AC40 Mode / CH151,CH159 (UNII-3) |
| Mode 12 | TX AC80 Mode / CH155 (UNII-3) |

| For Maximum Conducted Output Power Test | |
|--|---|
| Final Test Mode | Description |
| Mode 1 | TX A Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 2 | TX N20 Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 3 | TX N40 Mode / CH38, CH46 (UNII-1) |
| Mode 4 | TX AC20 Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 5 | TX AC40 Mode / CH38, CH46 (UNII-1) |
| Mode 6 | TX AC80 Mode / CH42 (UNII-1) |
| Mode 7 | TX A Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 8 | TX N20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 9 | TX N40 Mode / CH151,CH159 (UNII-3) |
| Mode 10 | TX AC20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11 | TX AC40 Mode / CH151,CH159 (UNII-3) |
| Mode 12 | TX AC80 Mode / CH155 (UNII-3) |

| For Power Spectral Density Test | |
|--|---|
| Final Test Mode | Description |
| Mode 1 | TX A Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 2 | TX N20 Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 3 | TX N40 Mode / CH38, CH46 (UNII-1) |
| Mode 4 | TX AC20 Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 5 | TX AC40 Mode / CH38, CH46 (UNII-1) |
| Mode 6 | TX AC80 Mode / CH42 (UNII-1) |
| Mode 7 | TX A Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 8 | TX N20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 9 | TX N40 Mode / CH151,CH159 (UNII-3) |
| Mode 10 | TX AC20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11 | TX AC40 Mode / CH151,CH159 (UNII-3) |
| Mode 12 | TX AC80 Mode / CH155 (UNII-3) |

| For Radiated Emissions Test | |
|------------------------------------|---|
| Final Test Mode | Description |
| Mode 1 | TX A Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 2 | TX N20 Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 3 | TX N40 Mode / CH38, CH46 (UNII-1) |
| Mode 4 | TX AC20 Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 5 | TX AC40 Mode / CH38, CH46 (UNII-1) |
| Mode 6 | TX AC80 Mode / CH42 (UNII-1) |
| Mode 7 | TX A Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 8 | TX N20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 9 | TX N40 Mode / CH151,CH159 (UNII-3) |
| Mode 10 | TX AC20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11 | TX AC40 Mode / CH151,CH159 (UNII-3) |
| Mode 12 | TX AC80 Mode / CH155 (UNII-3) |

| For Band Edge Emissions Test | |
|-------------------------------------|---|
| Final Test Mode | Description |
| Mode 1 | TX A Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 2 | TX N20 Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 3 | TX N40 Mode / CH38, CH46 (UNII-1) |
| Mode 4 | TX AC20 Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 5 | TX AC40 Mode / CH38, CH46 (UNII-1) |
| Mode 6 | TX AC80 Mode / CH42 (UNII-1) |
| Mode 7 | TX A Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 8 | TX N20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 9 | TX N40 Mode / CH151,CH159 (UNII-3) |
| Mode 10 | TX AC20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11 | TX AC40 Mode / CH151,CH159 (UNII-3) |
| Mode 12 | TX AC80 Mode / CH155 (UNII-3) |

| For Frequency Stability Test | |
|-------------------------------------|----------------------------|
| Final Test Mode | Description |
| Mode 1 | TX A Mode / CH36 (UNII-1) |
| Mode 7 | TX A Mode / CH149 (UNII-3) |

| For Antenna Requirements Test | |
|-------------------------------|---|
| Final Test Mode | Description |
| Mode 1 | TX A Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 2 | TX N20 Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 3 | TX N40 Mode / CH38, CH46 (UNII-1) |
| Mode 4 | TX AC20 Mode / CH36, CH40, CH48 (UNII-1) |
| Mode 5 | TX AC40 Mode / CH38, CH46 (UNII-1) |
| Mode 6 | TX AC80 Mode / CH42 (UNII-1) |
| Mode 7 | TX A Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 8 | TX N20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 9 | TX N40 Mode / CH151,CH159 (UNII-3) |
| Mode 10 | TX AC20 Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11 | TX AC40 Mode / CH151,CH159 (UNII-3) |
| Mode 12 | TX AC80 Mode / CH155 (UNII-3) |

Note:

- (1) For radiated below 1G test, the 802.11a mode is found to be the worst case and recorded.
- (2) The EUT was pre-tested on the positioned of each 3 axis. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.

3.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product

Non-Beamforming

| UNII-1 | | | |
|-----------------------|------|------|------|
| Test Software Version | ART | | |
| Frequency (MHz) | 5180 | 5200 | 5240 |
| A Mode | 15 | 14 | 15 |
| N20 Mode | 15 | 14 | 15 |
| Frequency (MHz) | 5190 | 5230 | |
| N40 Mode | 14 | 15 | |

| UNII-3 | | | |
|-----------------------|------|------|------|
| Test Software Version | ART | | |
| Frequency (MHz) | 5745 | 5785 | 5825 |
| A Mode | 15 | 14 | 12 |
| N20 Mode | 15 | 15 | 12 |
| Frequency (MHz) | 5755 | 5795 | |
| N40 Mode | 14 | 14 | |

| UNII-1 | | | |
|-----------------------|------|------|------|
| Test Software Version | ART | | |
| Frequency (MHz) | 5180 | 5200 | 5240 |
| AC20 Mode | 14 | 14 | 15 |
| Frequency (MHz) | 5190 | 5230 | |
| AC40 Mode | 16 | 17 | |
| Frequency (MHz) | 5210 | | |
| AC80 Mode | 19 | | |

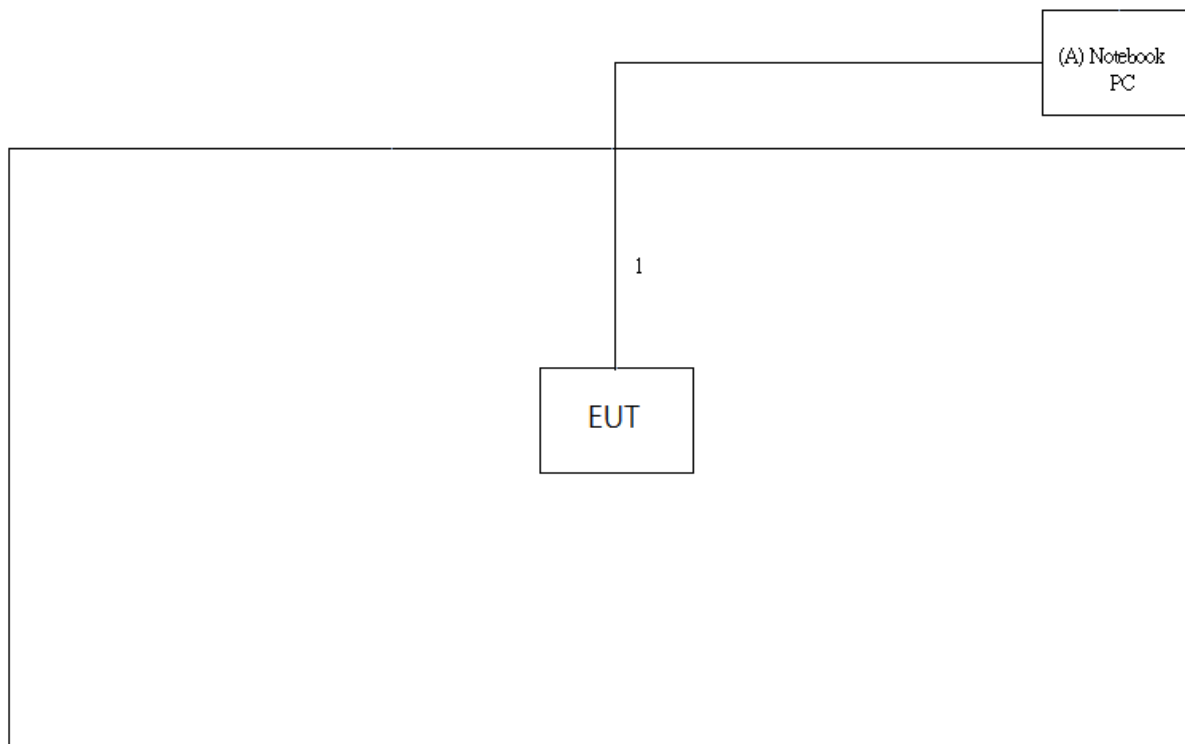
| UNII-3 | | | |
|-----------------------|------|------|------|
| Test Software Version | ART | | |
| Frequency (MHz) | 5745 | 5785 | 5825 |
| AC20 Mode | 15 | 15 | 12 |
| Frequency (MHz) | 5755 | 5795 | |
| AC40 Mode | 16 | 16 | |
| Frequency (MHz) | 5775 | | |
| AC80 Mode | 19 | | |

Beamforming

| UNII-1 | | | |
|-----------------------|------|------|------|
| Test Software Version | | | |
| Frequency (MHz) | 5180 | 5200 | 5240 |
| N20 Mode | 20 | 20 | 20 |
| Frequency (MHz) | 5190 | 5230 | / |
| N40 Mode | 20 | 25 | / |
| Frequency (MHz) | 5210 | / | / |
| AC80 Mode | 20 | / | / |

| UNII-3 | | | |
|-----------------------|------|------|------|
| Test Software Version | | | |
| Frequency (MHz) | 5745 | 5785 | 5825 |
| N20 Mode | 20 | 20 | 20 |
| Frequency (MHz) | 5755 | 5795 | / |
| N40 Mode | 20 | 25 | / |
| Frequency (MHz) | 5775 | / | / |
| AC80 Mode | 20 | / | / |

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Mfr/Brand | Model/Type No. | FCC ID | Series No. |
|------|-------------|-----------|----------------|--------|----------------------------|
| A | Notebook PC | Acer | ZH2 | DOC | LXTCY050356360BDB5 2500 |

| Item | Shielded Type | Ferrite Core | Length | Note |
|------|---------------|--------------|--------|------|
| 1 | NO | NO | 8m | RJ45 |

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150kHz-30MHz)

| FREQUENCY (MHz) | Class A (dBuV) | | Class B (dBuV) | |
|-----------------|----------------|---------|----------------|-----------|
| | Quasi-peak | Average | Quasi-peak | Average |
| 0.15 -0.5 | 79.00 | 66.00 | 66 - 56 * | 56 - 46 * |
| 0.50 -5.0 | 73.00 | 60.00 | 56.00 | 46.00 |
| 5.0 -30.0 | 73.00 | 60.00 | 60.00 | 50.00 |

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

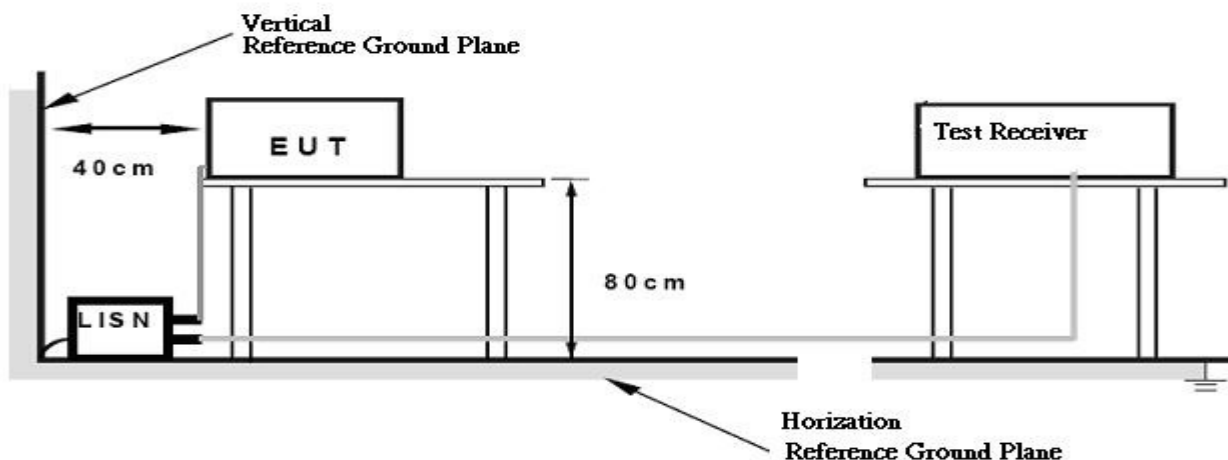
4.1.2 TEST PROCEDURE

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



4.1.5 EUT OPERATING CONDITIONS

The EUT was placed on the test table and programmed in normal function.

4.1.6 EUT TEST CONDITIONS

Temperature: 24°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of 'Note'. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150kHz to 30MHz.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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.

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

Note:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

| Frequencies (MHz) | EIRP Limit (dBm) | Equivalent Field Strength at 3m (dBμV/m) |
|-------------------|-------------------------------------|--|
| 5150-5250 | -27 | 68.3 |
| 5725-5850 | -27 (beyond 10MHz of the band edge) | 68.3 |
| | -17 (within 10 MHz of band edge) | 78.3 |

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)

4.2.2 TEST PROCEDURE

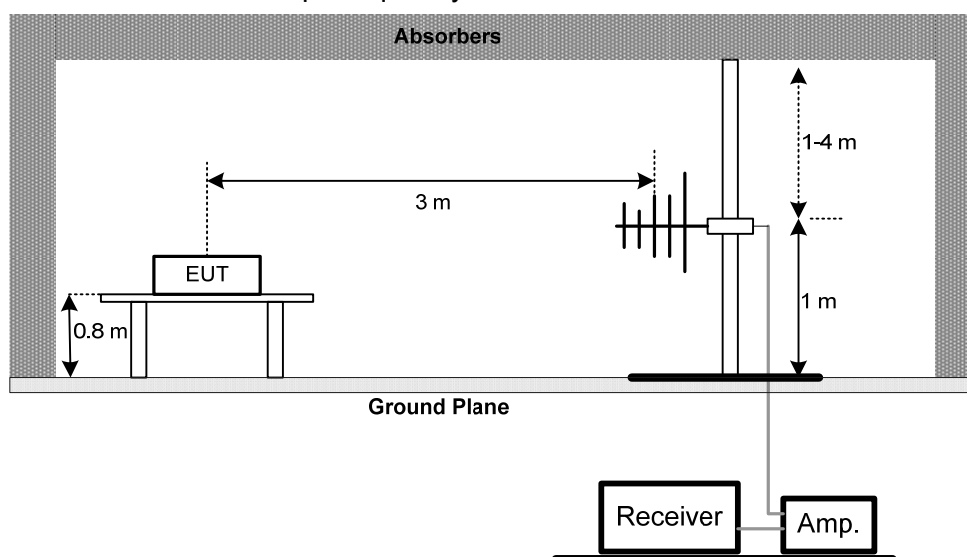
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance 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 1.5m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. 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.
- e. 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)
- f. 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)
- g. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

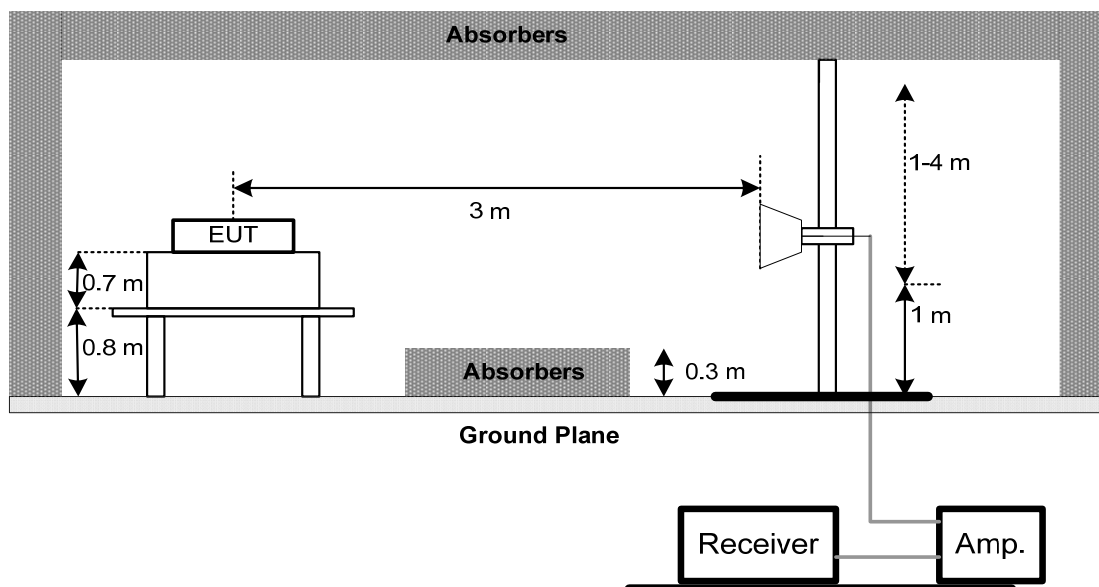
No deviation

4.2.4 TEST SETUP

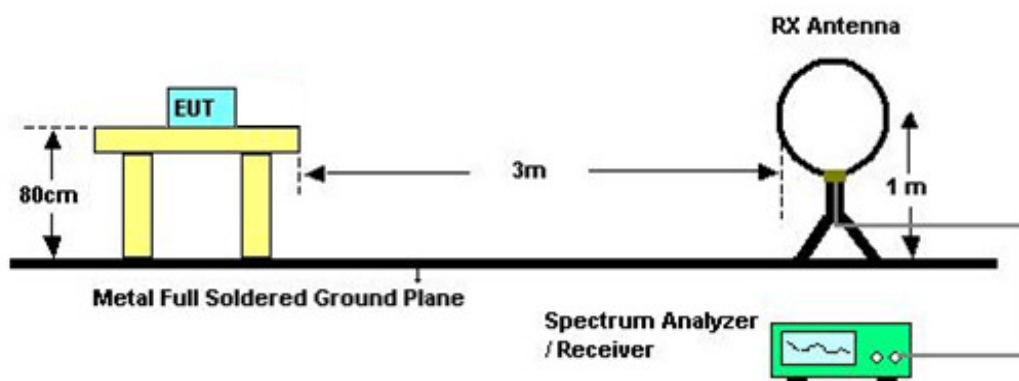
(A) Radiated Emission Test Set-Up Frequency Below 1GHz



(B) Radiated Emission Test Set-Up Frequency Above 1 GHz



(C) Radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.2.6 EUT TEST CONDITIONS

Temperature: 24°C Relative Humidity: 56% Test Voltage: AC 120V/60Hz

4.2.7 TEST RESULTS (9K TO 30MHz)

Please refer to the Attachment B

Remark:

- (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 = $40 \log$ (specific distance / test distance) (dB);
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.2.8 TEST RESULTS (30 TO 1000 MHz)

Please refer to the Attachment C.

Remark:

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120kHz, SPA setting in RBW=120kHz, VBW =120kHz, Swp. Time = 0.3 sec./MHz ◦
- (2) 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 ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

4.2.9 TEST RESULTS (1GHZ~10TH HARMONIC)

Please refer to the Attachment D.

Remark:

- (1) Spectrum Setting: 30MHz – 1000MHz , RBW= 100kHz, VBW=100kHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated AV in column of 『Note』 . Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown “ * ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axes:
“X” - denotes Laid on Table, “Y” - denotes Vertical Stand, “Z” - denotes Side Stand
- (7) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.
- (8) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

4.3 BAND EDGE MEASUREMENT

4.3.1 RADIATED EMISSION LIMITS

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.

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

Note:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

| Frequencies (MHz) | EIRP Limit (dBm) | Equivalent Field Strength at 3m (dBμV/m) |
|-------------------|-------------------------------------|--|
| 5150-5250 | -27 | 68.3 |
| 5725-5850 | -27 (beyond 10MHz of the band edge) | 68.3 |
| | -17 (within 10 MHz of band edge) | 78.3 |

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

$$E = \frac{1000000 \sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts)}$$

4.3.2 TEST PROCEDURE

For Radiated band edges Measurement:

- a. The test procedure is the same as section 4.2.2, only the frequency range investigated is limited to 100MHz around band edges.

For Radiated Out of Band Emission Measurement:

- a. Test was performed in accordance with KDB 789033 D02 General UNII Test Procedures New Rules v01.

4.3.3 DEVIATION FROM TEST STANDARD

No deviation

4.3.4 TEST SETUP LAYOUT

For Radiated band edges Measurement:

This test setup layout is the same as that shown in section 4.2.4.

For Radiated Out of Band Emission Measurement:

This test setup layout is the same as that shown in section 4.2.4.

4.3.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.3.6 EUT TEST CONDITIONS

Temperature: 24°C Relative Humidity: 56% Test Voltage: AC 120V/60Hz

4.3.7 TEST RESULTS (BAND EDGE AND FUNDAMENTAL EMISSIONS)

Please refer to the Attachment E

Remark:

- (1) Spectrum Setting: 30MHz – 1000MHz , RBW= 100kHz, VBW=100kHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated AV in column of 『Note』 . Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown “ * ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axes:
“X” - denotes Laid on Table, “Y” - denotes Vertical Stand, “Z” - denotes Side Stand
- (7) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.
- (8) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5. 26dB SPECTRUM BANDWIDTH

5.1 APPLIED PROCEDURES / LIMIT

| FCC Part15, Subpart E | | | |
|-----------------------|------------------------------|-----------------------|--------|
| Test Item | Limit | Frequency Range (MHz) | Result |
| Bandwidth | 26 dB Bandwidth | 5150-5250 | PASS |
| | Minimum 500kHz 6dB Bandwidth | 5725-5850 | PASS |

5.1.1 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 Parameters | Setting |
|---------------------|------------------|
| Attenuation | Auto |
| Span Frequency | > 26dB Bandwidth |
| RBW | 300 kHz |
| VBW | 1000 kHz |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.1.5 EUT TEST CONDITIONS

Temperature: 24°C Relative Humidity: 56% Test Voltage: AC 120V/60Hz

5.1.6 TEST RESULTS

Please refer to the Attachment F.

6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

| FCC Part15, Subpart E | | | |
|--|---|-----------------------|--------|
| Test Item | Limit | Frequency Range (MHz) | Result |
| Conducted Output Power | Fixed:1 Watt (30dBm) Mobile and portable: 250mW (24dBm) | 5150-5250 | PASS |
| | 1 Watt (30dBm) | 5725-5850 | PASS |
| Note: The maximum e.i.r.p at anyelevation angle above 30 degrees as measured from the horizon must not exceed 125mW(21dBm) | | | |

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

- c. Test was performed in accordance with method of KDB 789033 D02.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP**6.1.4 EUT OPERATION CONDITIONS**

The EUT was programmed to be in continuously transmitting mode.

6.1.5 EUT TEST CONDITIONS

Temperature: 24°C Relative Humidity: 56% Test Voltage: AC 120V/60Hz

6.1.6 TEST RESULTS

Please refer to the Attachment G.

7. POWER SPECTRAL DENSITY TEST

7.1 APPLIED PROCEDURES / LIMIT

| FCC Part15, Subpart E | | | |
|------------------------|---|-----------------------|--------|
| Test Item | Limit | Frequency Range (MHz) | Result |
| Power Spectral Density | Other then Mobile and portable:17dBm/MHz Mobile and portable:11dBm/MHz | 5150-5250 | PASS |
| | 30dBm/500kHz | 5725-5850 | PASS |

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

Note:

1. For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v01, section II.F.5., it is acceptable to set RBW at 1MHz and VBW at 3MHz if the spectrum analyzer does not have 500kHz RBW.
2. The value measured with RBW=1MHz is to be added with $10\log(500\text{kHz}/1\text{MHz})$ which is -3dB. For example, if the measured value is +10dBm using RBW=1MHz (that is +10dBm/MHz), then the converted value will be +7dBm/500kHz.

7.1.1 DEVIATION FROM STANDARD

No deviation.

7.1.2 TEST SETUP



7.1.3 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.1.4 EUT TEST CONDITIONS

Temperature: 24°C Relative Humidity: 56% Test Voltage: AC 120V/60Hz

7.1.5 TEST RESULTS

Please refer to the Attachment H.

8. FREQUENCY STABILITY MEASUREMENT

8.1 APPLIED PROCEDURES / LIMIT

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

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

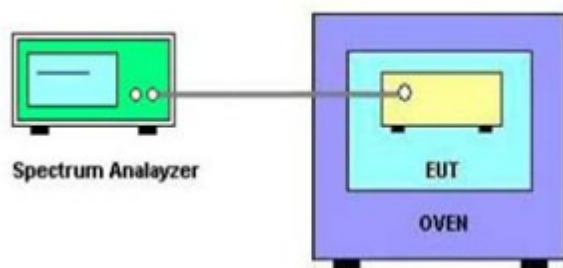
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is 0°C~40°C.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

8.1.6 TEST RESULTS

Please refer to the Attachment I.

9. MEASUREMENT INSTRUMENTS LIST

| Conducted Emission Measurement | | | | | |
|--------------------------------|----------------------|--------------|-----------------------------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | TWO-LINE V-NETWORK | R&S | ENV216 | 101050 | Jan. 26, 2017 |
| 2 | Test Cable | TIMES | CFD300-NL | C02 | Jun. 14, 2016 |
| 3 | EMI Test Receiver | R&S | ESR7 | 101433 | Dec. 09, 2016 |
| 4 | Power Dividers | HP | 11636A | 8103 | May 04, 2016 |
| 5 | Measurement Software | EZ | EZ_EMCC (Version NB-03A) | N/A | N/A |

| Radiated Emission Measurement | | | | | |
|-------------------------------|----------------------|--------------------|-----------------------------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Log-Bicon Antenna | Schwarzbeck | VULB9168-352 | 9168-352 | Jul. 30, 2016 |
| 2 | Horn Antenna | Schwarzbeck | BBHA 9120 | D-325 | Apr. 20, 2016 |
| 3 | Horn Antenna | Schwarzbeck | BBHA 9120 | 9120D-1333 | May 20, 2016 |
| 4 | Pre-Amplifier | Anritsu | MH648A | M92649 | Jun. 16, 2016 |
| 5 | Pre-Amplifier | Agilent | 8449B | 3008A01714 | Apr. 14, 2016 |
| 6 | Test Cable | LMR | LMR-400 | 01(10M) | May 12, 2016 |
| 7 | Test Cable | LMR | LMR-400 | 01(3M) | May 12, 2016 |
| 8 | Test Cable | Harbour industries | 27478LL142 | 1M | May 13, 2016 |
| 9 | Test Cable | Harbour industries | 27478LL142 | 3M | May 13, 2016 |
| 10 | Test Cable | AISI | S104-SMAP-1 | 8M | May 13, 2016 |
| 11 | Spectrum Analyzer | Agilent | N9020A | MY51160196 | Aug. 02, 2016 |
| 12 | EMI Test Receiver | R&S | ESCI | 100080 | May 13, 2016 |
| 13 | Measurement Software | Farad | EZ_EMCC (Version NB-03A) | N/A | N/A |
| 14 | Loop Ant | EMCO | 6502 | 42960 | Nov.15.2016 |

| Spectrum Bandwidth Measurement | | | | | |
|---------------------------------------|-------------------|--------------|----------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Spectrum Analyzer | R&S | FSP-40 | 100129 | Jan. 17, 2017 |

| Maximum Conducted Output Power Measurement | | | | | |
|---|--------------------|--------------|----------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Power Meter | Anritsu | ML2487A | 6K00004714 | May 19, 2016 |
| 2 | Power Meter Sensor | Anritsu | MA2491A | 034138 | May 18, 2016 |

| Antenna Conducted Spurious Emission Measurement | | | | | |
|--|-------------------|--------------|----------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Spectrum Analyzer | R&S | FSP-40 | 100129 | Jan. 17, 2017 |

| Power Spectral Density Measurement | | | | | |
|---|-------------------|--------------|----------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Spectrum Analyzer | R&S | FSP-40 | 100129 | Jan. 17, 2017 |

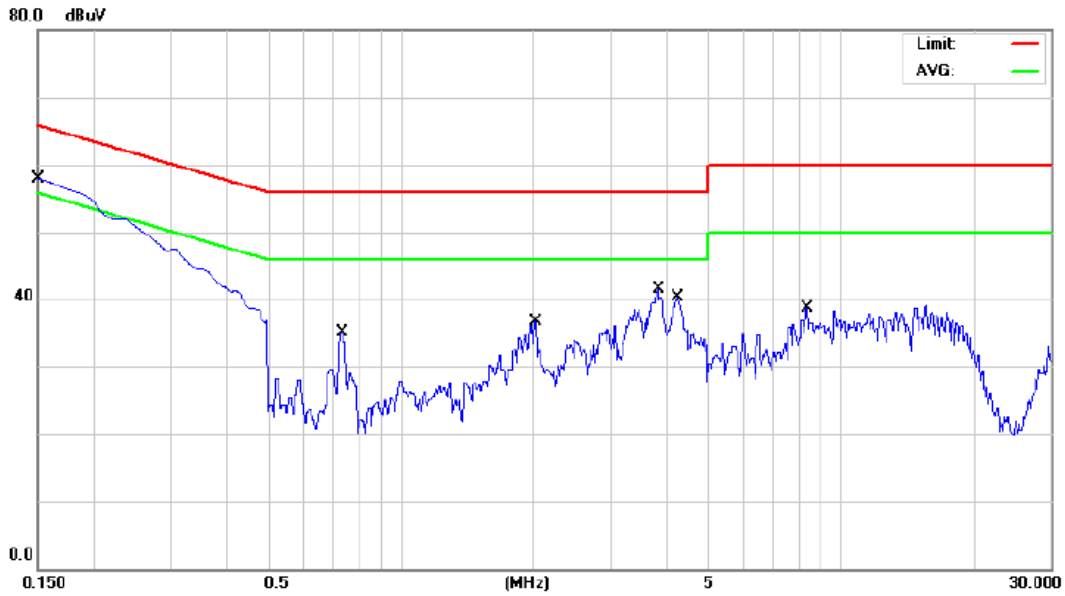
| Frequency Stability Measurement | | | | | |
|--|--------------------------------|--------------|--------------|-------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Spectrum Analyzer | R&S | FSP-40 | 100129 | Jan. 17, 2017 |
| 2 | Const Temp. & Humidity Chamber | Giant Force | ITH-225-20-S | IAB0309-001 | Dec.04 2016 |

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

ATTACHMENT A - CONDUCTED EMISSION

Test Mode: Normal Link_Adapter: HON-KWANG / HK-XX24-A12

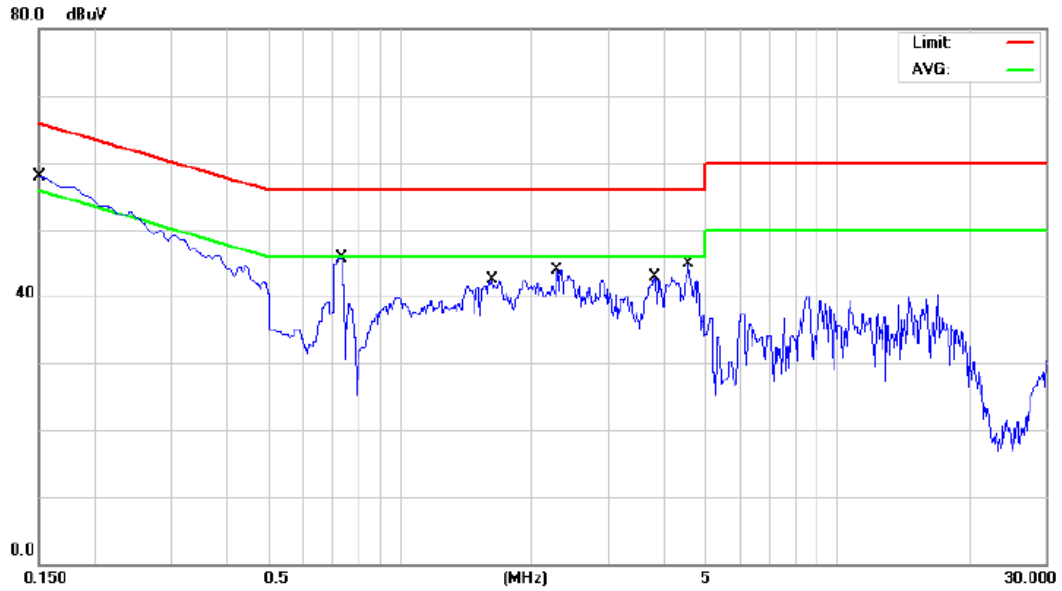
Line



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1 | | 0.1500 | 31.70 | 9.67 | 41.37 | 65.99 | -24.62 | QP | |
| 2 | | 0.1500 | 18.40 | 9.67 | 28.07 | 55.99 | -27.92 | AVG | |
| 3 | | 0.7340 | 23.40 | 9.69 | 33.09 | 56.00 | -22.91 | QP | |
| 4 | | 0.7340 | 20.20 | 9.69 | 29.89 | 46.00 | -16.11 | AVG | |
| 5 | | 2.0120 | 18.90 | 9.76 | 28.66 | 56.00 | -27.34 | QP | |
| 6 | | 2.0120 | 12.50 | 9.76 | 22.26 | 46.00 | -23.74 | AVG | |
| 7 | | 3.8390 | 29.60 | 9.84 | 39.44 | 56.00 | -16.56 | QP | |
| 8 | * | 3.8390 | 20.40 | 9.84 | 30.24 | 46.00 | -15.76 | AVG | |
| 9 | | 4.2350 | 25.20 | 9.85 | 35.05 | 56.00 | -20.95 | QP | |
| 10 | | 4.2350 | 16.40 | 9.85 | 26.25 | 46.00 | -19.75 | AVG | |
| 11 | | 8.3500 | 25.30 | 9.93 | 35.23 | 60.00 | -24.77 | QP | |
| 12 | | 8.3500 | 17.70 | 9.93 | 27.63 | 50.00 | -22.37 | AVG | |

Test Mode: Normal Link_Adapter: HON-KWANG / HK-XX24-A12

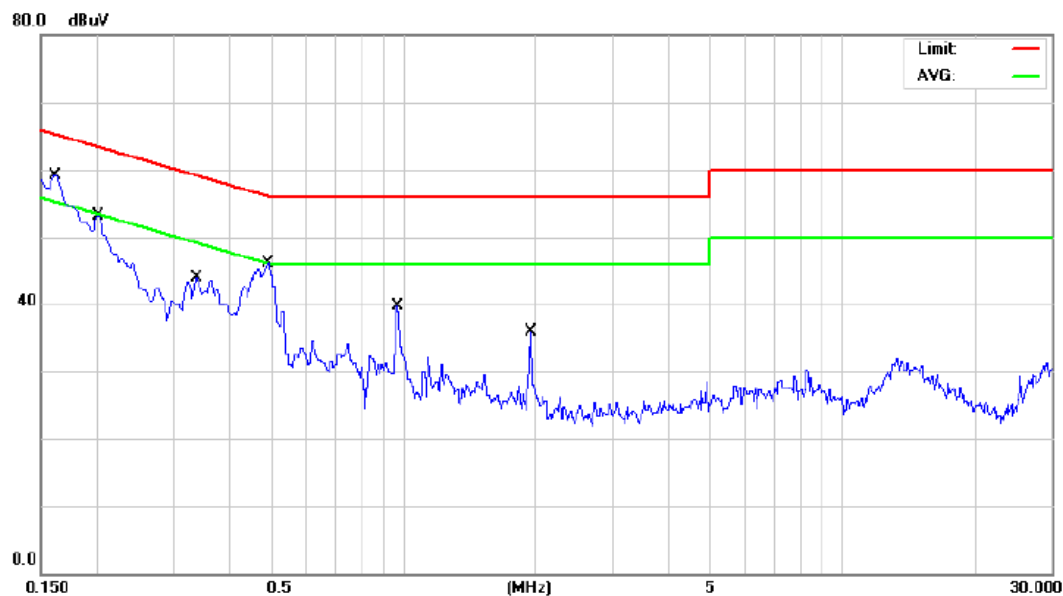
Neutral



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1 | | 0.1500 | 28.40 | 9.66 | 38.06 | 65.99 | -27.93 | QP | |
| 2 | | 0.1500 | 11.50 | 9.66 | 21.16 | 55.99 | -34.83 | AVG | |
| 3 | | 0.7340 | 35.30 | 9.69 | 44.99 | 56.00 | -11.01 | QP | |
| 4 | * | 0.7340 | 31.40 | 9.69 | 41.09 | 46.00 | -4.91 | AVG | |
| 5 | | 1.6250 | 29.30 | 9.73 | 39.03 | 56.00 | -16.97 | QP | |
| 6 | | 1.6250 | 23.40 | 9.73 | 33.13 | 46.00 | -12.87 | AVG | |
| 7 | | 2.2820 | 28.90 | 9.76 | 38.66 | 56.00 | -17.34 | QP | |
| 8 | | 2.2820 | 20.20 | 9.76 | 29.96 | 46.00 | -16.04 | AVG | |
| 9 | | 3.8120 | 31.20 | 9.83 | 41.03 | 56.00 | -14.97 | QP | |
| 10 | | 3.8120 | 22.50 | 9.83 | 32.33 | 46.00 | -13.67 | AVG | |
| 11 | | 4.5590 | 27.30 | 9.86 | 37.16 | 56.00 | -18.84 | QP | |
| 12 | | 4.5590 | 16.60 | 9.86 | 26.46 | 46.00 | -19.54 | AVG | |

Test Mode: Normal Link_Adapter: AMIGO / AMS151-1202000F

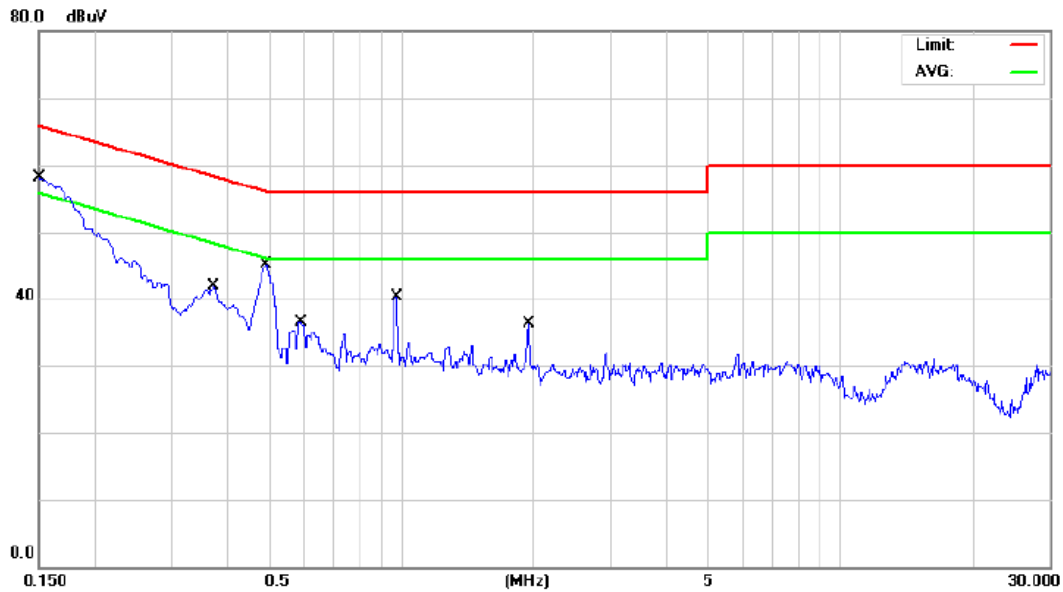
Line



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1 | | 0.1612 | 42.60 | 9.67 | 52.27 | 65.40 | -13.13 | QP | |
| 2 | | 0.1612 | 26.80 | 9.67 | 36.47 | 55.40 | -18.93 | AVG | |
| 3 | | 0.2017 | 39.30 | 9.66 | 48.96 | 63.54 | -14.58 | QP | |
| 4 | | 0.2017 | 25.00 | 9.66 | 34.66 | 53.54 | -18.88 | AVG | |
| 5 | | 0.3376 | 26.30 | 9.66 | 35.96 | 59.26 | -23.30 | QP | |
| 6 | | 0.3376 | 17.90 | 9.66 | 27.56 | 49.26 | -21.70 | AVG | |
| 7 | | 0.4930 | 34.30 | 9.67 | 43.97 | 56.12 | -12.15 | QP | |
| 8 | | 0.4930 | 26.20 | 9.67 | 35.87 | 46.12 | -10.25 | AVG | |
| 9 | | 0.9680 | 28.40 | 9.70 | 38.10 | 56.00 | -17.90 | QP | |
| 10 | * | 0.9680 | 27.20 | 9.70 | 36.90 | 46.00 | -9.10 | AVG | |
| 11 | | 1.9490 | 24.00 | 9.76 | 33.76 | 56.00 | -22.24 | QP | |
| 12 | | 1.9490 | 23.40 | 9.76 | 33.16 | 46.00 | -12.84 | AVG | |

Test Mode: Normal Link_Adapter: AMIGO / AMS151-1202000F

Neutral

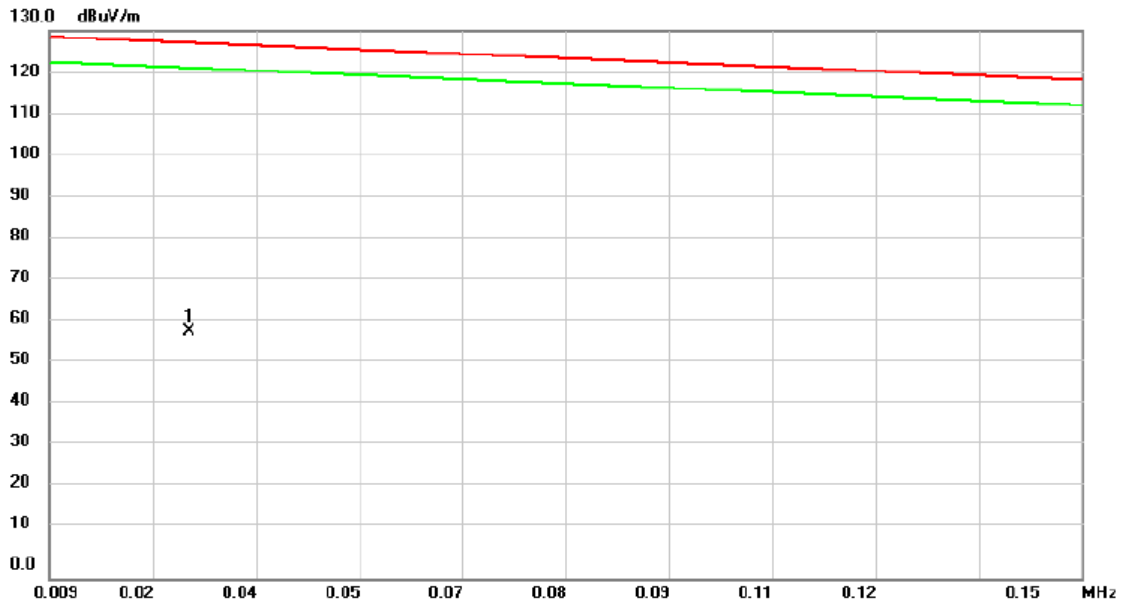


| No. Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measurement dBuV | Limit dBuV | Margin dB | Detector | Comment |
|---------|-----------|--------------------|-------------------|------------------|------------|-----------|----------|---------|
| 1 | 0.1500 | 40.90 | 9.66 | 50.56 | 65.99 | -15.43 | QP | |
| 2 | 0.1500 | 23.50 | 9.66 | 33.16 | 55.99 | -22.83 | AVG | |
| 3 | 0.3733 | 25.40 | 9.67 | 35.07 | 58.43 | -23.36 | QP | |
| 4 | 0.3733 | 16.40 | 9.67 | 26.07 | 48.43 | -22.36 | AVG | |
| 5 | 0.4937 | 32.20 | 9.68 | 41.88 | 56.11 | -14.23 | QP | |
| 6 | 0.4937 | 23.60 | 9.68 | 33.28 | 46.11 | -12.83 | AVG | |
| 7 | 0.5899 | 21.10 | 9.68 | 30.78 | 56.00 | -25.22 | QP | |
| 8 | 0.5899 | 15.20 | 9.68 | 24.88 | 46.00 | -21.12 | AVG | |
| 9 | 0.9770 | 28.60 | 9.70 | 38.30 | 56.00 | -17.70 | QP | |
| 10 * | 0.9770 | 27.70 | 9.70 | 37.40 | 46.00 | -8.60 | AVG | |
| 11 | 1.9490 | 25.50 | 9.75 | 35.25 | 56.00 | -20.75 | QP | |
| 12 | 1.9490 | 24.00 | 9.75 | 33.75 | 46.00 | -12.25 | AVG | |

ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ)

Test Mode: UNII-1/ TX_Adapter: HON-KWANG / HK-XX24-A12

Open



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 0.0280 | 43.17 | 15.55 | 58.72 | 127.15 | -68.43 | peak | |

Test Mode: UNII-1/ TX_Adapter: HON-KWANG / HK-XX24-A12

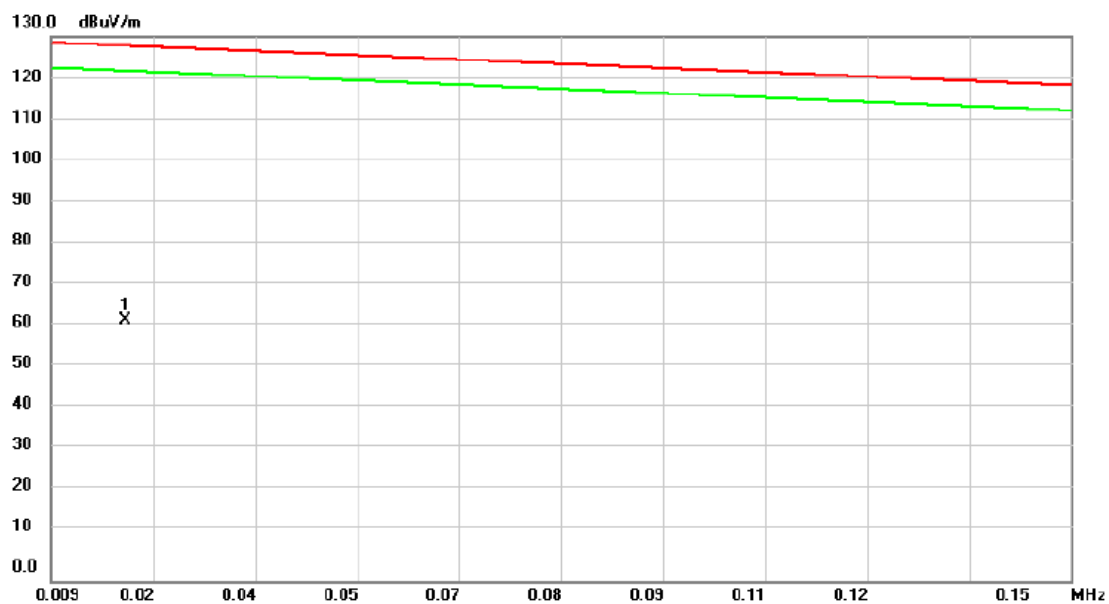
Open



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.1500 | 47.93 | 12.03 | 59.96 | 118.34 | -58.38 | peak | |
| 2 | * | 0.5080 | 36.55 | 11.80 | 48.35 | 73.64 | -25.29 | peak | |
| 3 | | 0.9261 | 30.79 | 11.97 | 42.76 | 69.91 | -27.15 | peak | |
| 4 | | 1.4032 | 26.02 | 11.82 | 37.84 | 65.66 | -27.82 | peak | |
| 5 | | 2.8065 | 20.46 | 11.19 | 31.65 | 69.54 | -37.89 | peak | |
| 6 | | 7.0453 | 13.75 | 11.36 | 25.11 | 69.54 | -44.43 | peak | |

Test Mode: UNII-1/ TX_Adapter: HON-KWANG / HK-XX24-A12

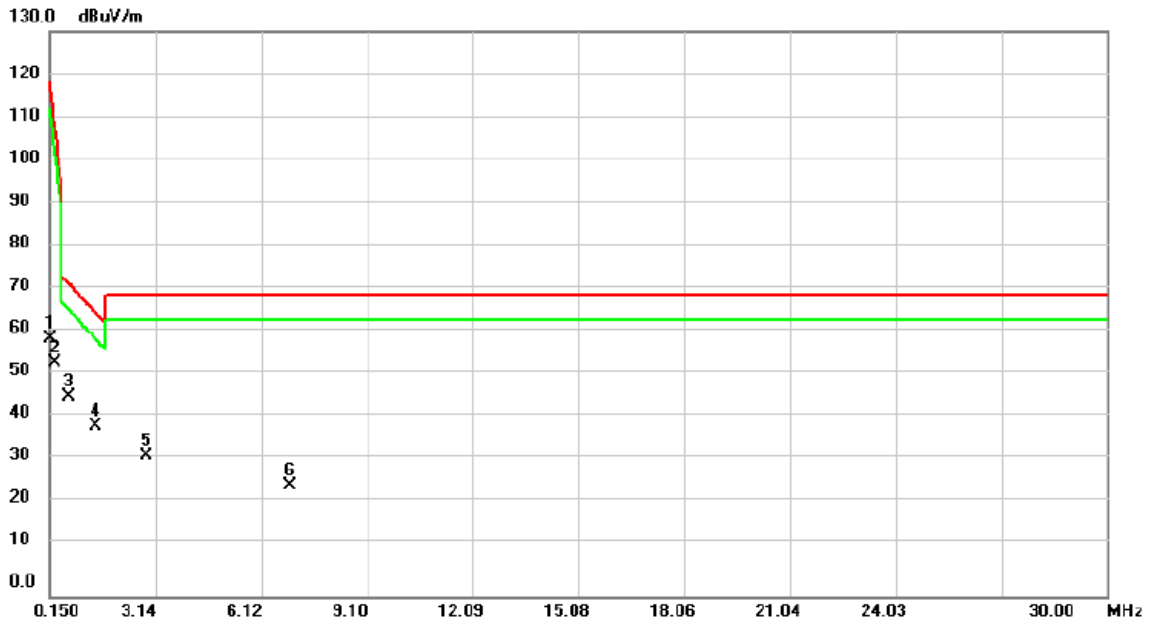
Close



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 0.0193 | 44.45 | 17.94 | 62.39 | 127.78 | -65.39 | peak | |

Test Mode: UNII-1/ TX_Adapter: HON-KWANG / HK-XX24-A12

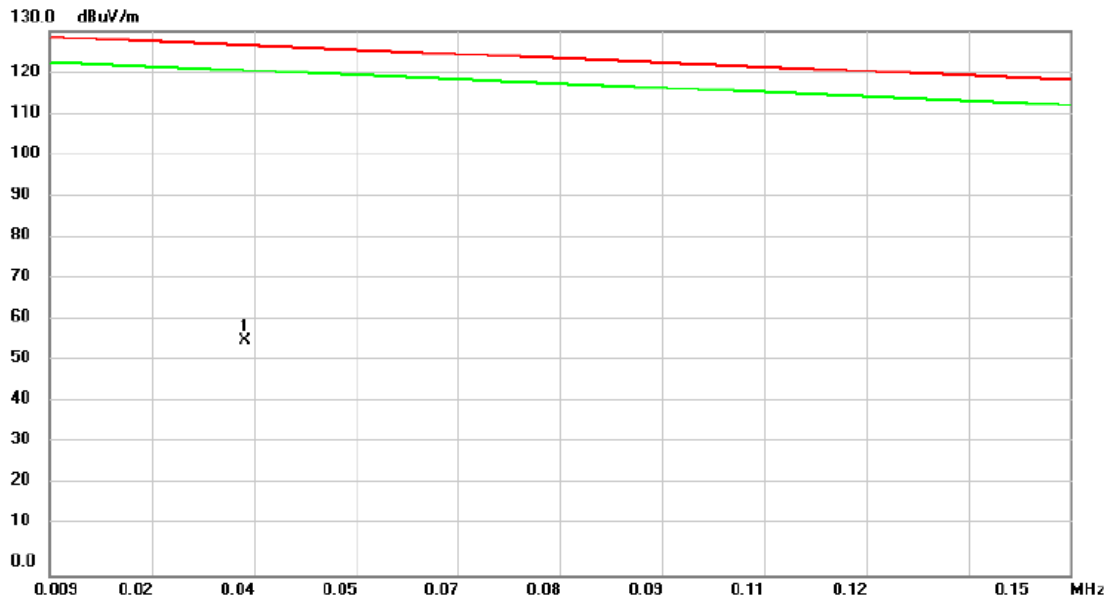
Close



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.1500 | 47.16 | 12.03 | 59.19 | 118.34 | -59.15 | peak | |
| 2 | | 0.2993 | 41.85 | 11.80 | 53.65 | 107.57 | -53.92 | peak | |
| 3 | * | 0.6873 | 34.17 | 11.87 | 46.04 | 72.04 | -26.00 | peak | |
| 4 | | 1.4334 | 27.49 | 11.80 | 39.29 | 65.39 | -26.10 | peak | |
| 5 | | 2.8664 | 21.25 | 11.16 | 32.41 | 69.54 | -37.13 | peak | |
| 6 | | 6.9260 | 14.29 | 11.36 | 25.65 | 69.54 | -43.89 | peak | |

Test Mode: UNII-1/ TX_Adapter: AMIGO / AMS151-120200F

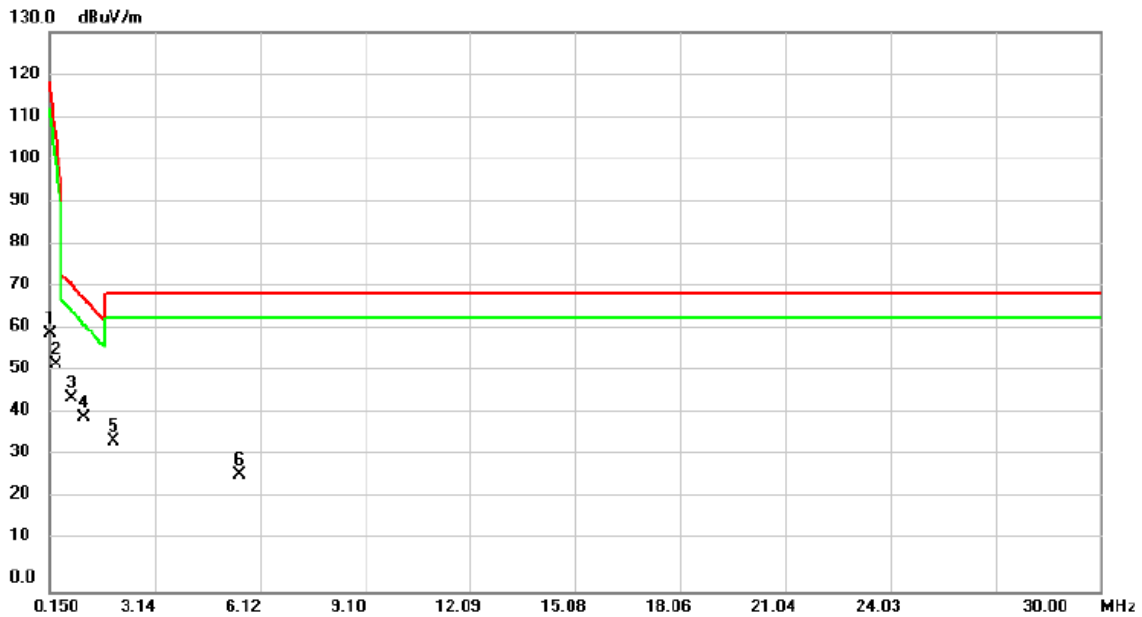
Open



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 0.0360 | 41.75 | 14.40 | 56.15 | 126.57 | -70.42 | peak | |

Test Mode: UNII-1/ TX_Adapter: AMIGO / AMS151-1202000F

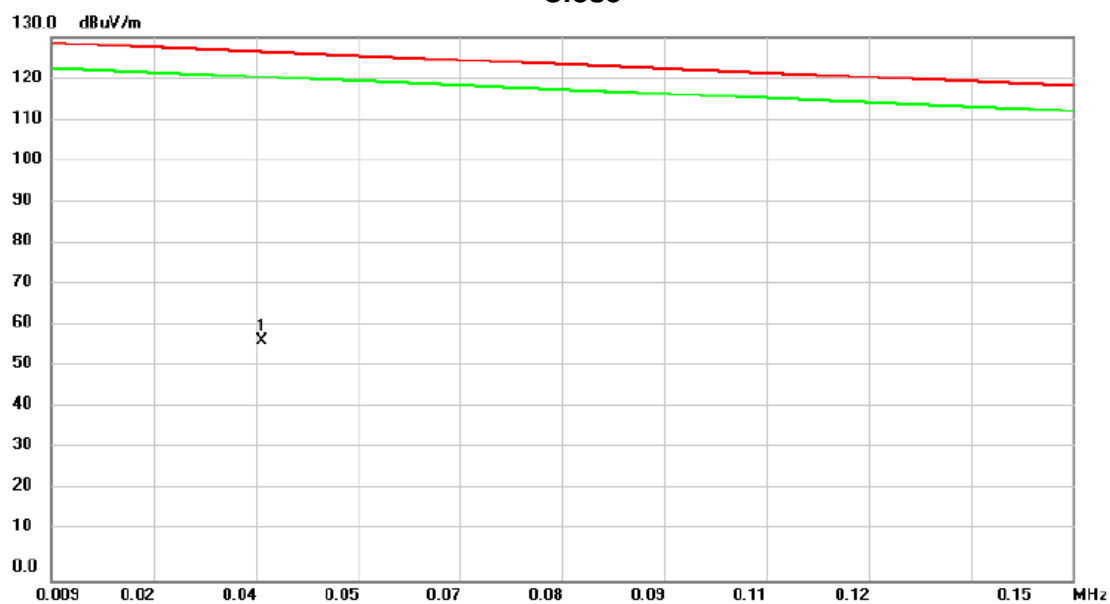
Open



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.1500 | 47.93 | 12.03 | 59.96 | 118.34 | -58.38 | peak | |
| 2 | | 0.3291 | 40.93 | 11.80 | 52.73 | 105.41 | -52.68 | peak | |
| 3 | * | 0.7470 | 33.04 | 11.90 | 44.94 | 71.51 | -26.57 | peak | |
| 4 | | 1.1350 | 28.52 | 11.94 | 40.46 | 68.05 | -27.59 | peak | |
| 5 | | 1.9410 | 23.39 | 11.58 | 34.97 | 69.54 | -34.57 | peak | |
| 6 | | 5.5230 | 15.90 | 11.39 | 27.29 | 69.54 | -42.25 | peak | |

Test Mode: UNII-1/ TX_Adapter: AMIGO / AMS151-120200F

Close



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 0.0380 | 43.20 | 14.20 | 57.40 | 126.43 | -69.03 | peak | |

Test Mode: UNII-1/ TX_Adapter: AMIGO / AMS151-120200F

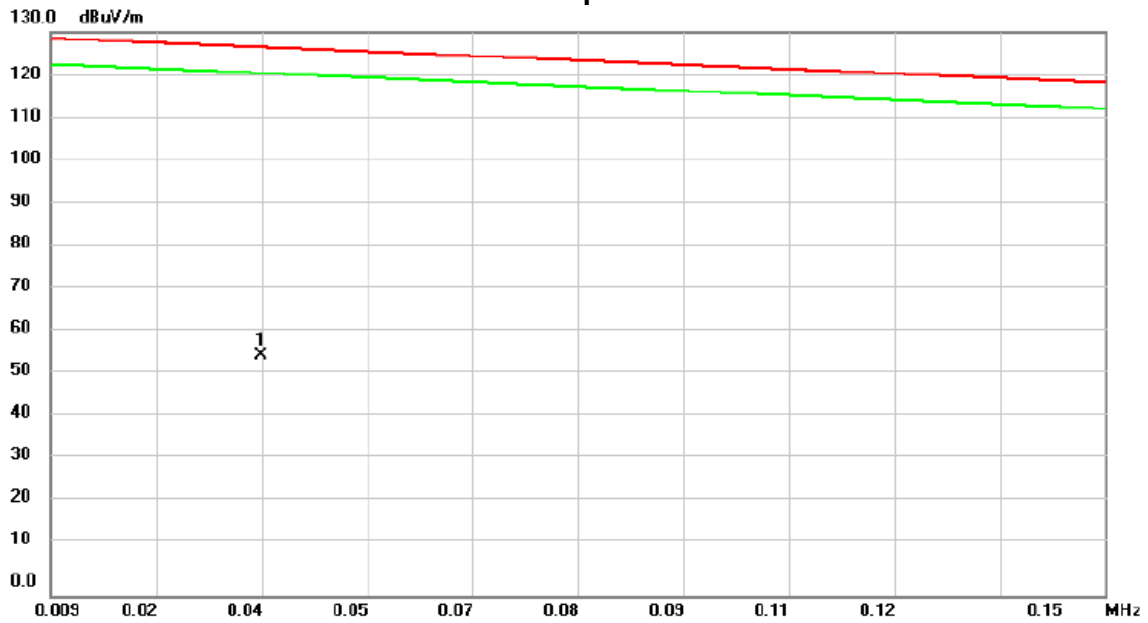
Close



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.1500 | 47.16 | 12.03 | 59.19 | 118.34 | -59.15 | peak | |
| 2 | | 0.4485 | 37.06 | 11.80 | 48.86 | 96.80 | -47.94 | peak | |
| 3 | * | 0.9261 | 31.48 | 11.97 | 43.45 | 69.91 | -26.46 | peak | |
| 4 | | 2.2395 | 24.62 | 11.44 | 36.06 | 69.54 | -33.48 | peak | |
| 5 | | 4.6573 | 16.56 | 11.35 | 27.91 | 69.54 | -41.63 | peak | |
| 6 | | 7.4633 | 13.78 | 11.35 | 25.13 | 69.54 | -44.41 | peak | |

Test Mode: UNII-3/ TX_Adapter: HON-KWANG / HK-XX24-A12

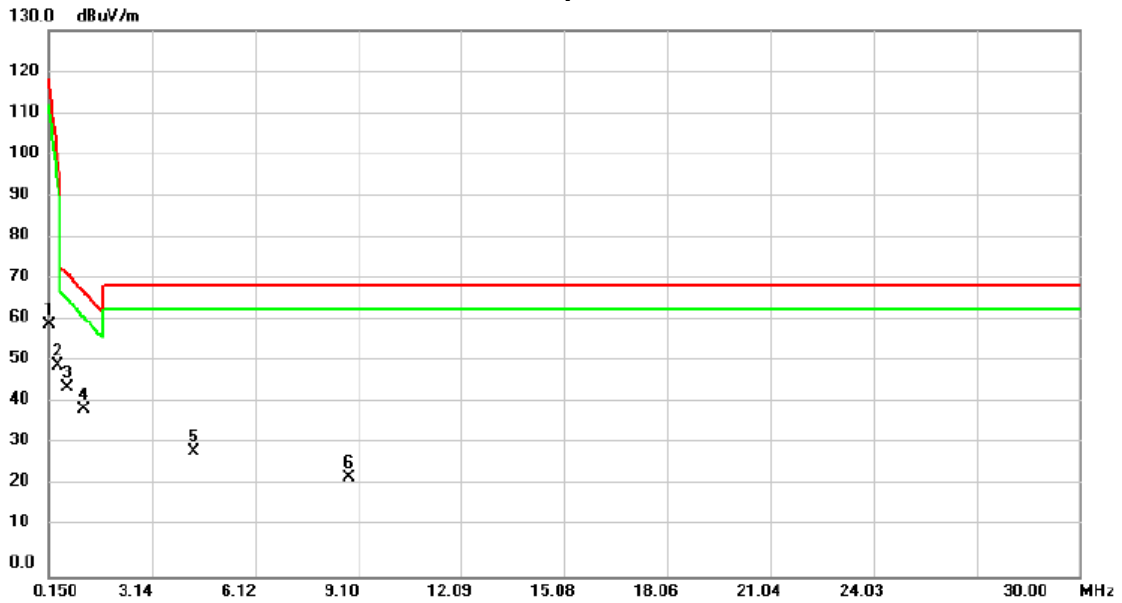
Open



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 0.0371 | 41.15 | 14.29 | 55.44 | 126.49 | -71.05 | peak | |

Test Mode: UNII-3/ TX_Adapter: HON-KWANG / HK-XX24-A12

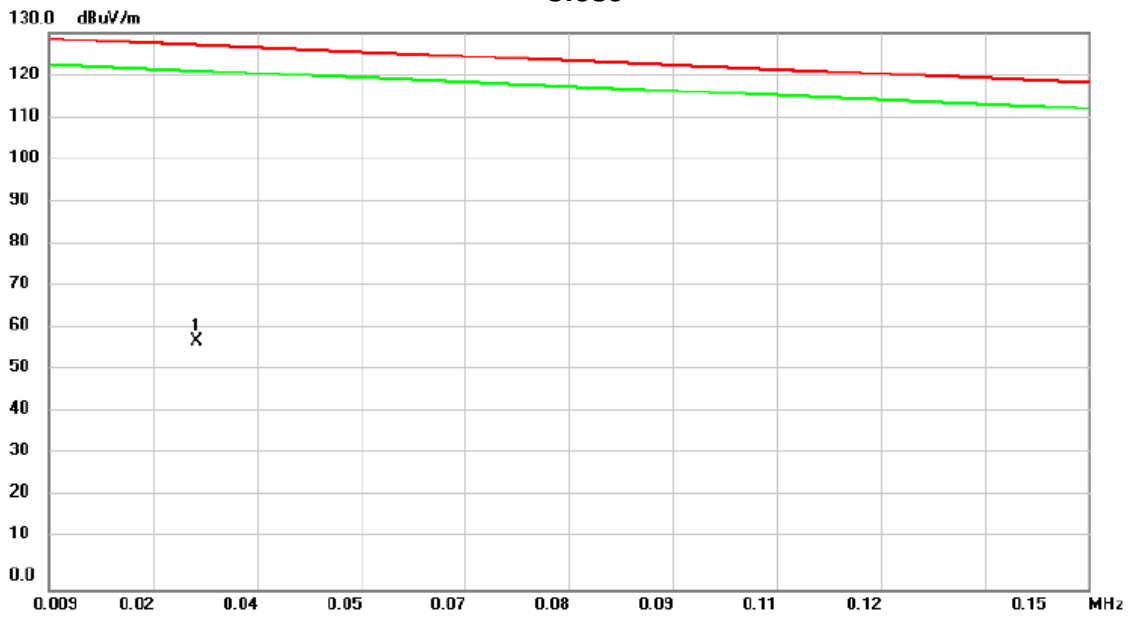
Open



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.1500 | 47.93 | 12.03 | 59.96 | 118.34 | -58.38 | peak | |
| 2 | | 0.4187 | 38.46 | 11.80 | 50.26 | 98.95 | -48.69 | peak | |
| 3 | * | 0.6873 | 33.26 | 11.87 | 45.13 | 72.04 | -26.91 | peak | |
| 4 | | 1.1650 | 28.03 | 11.93 | 39.96 | 67.78 | -27.82 | peak | |
| 5 | | 4.3290 | 18.38 | 11.30 | 29.68 | 69.54 | -39.86 | peak | |
| 6 | | 8.8660 | 12.13 | 11.32 | 23.45 | 69.54 | -46.09 | peak | |

Test Mode: UNII-3/ TX_Adapter: HON-KWANG / HK-XX24-A12

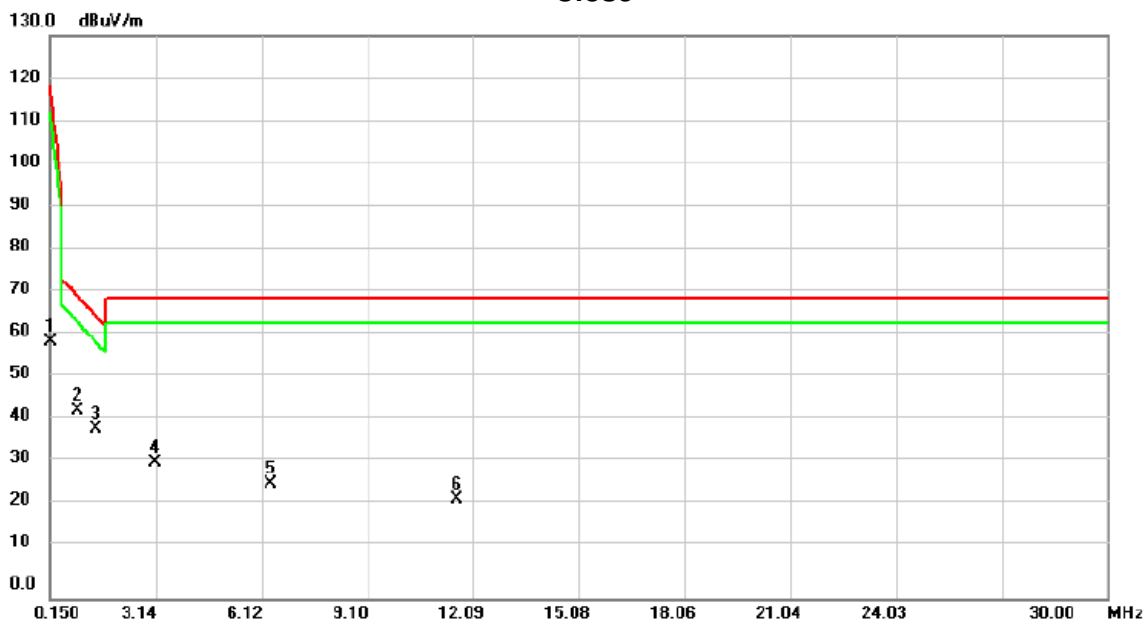
Close



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 0.0290 | 42.82 | 15.27 | 58.09 | 127.08 | -68.99 | peak | |

Test Mode: UNII-3/ TX_Adapter: HON-KWANG / HK-XX24-A12

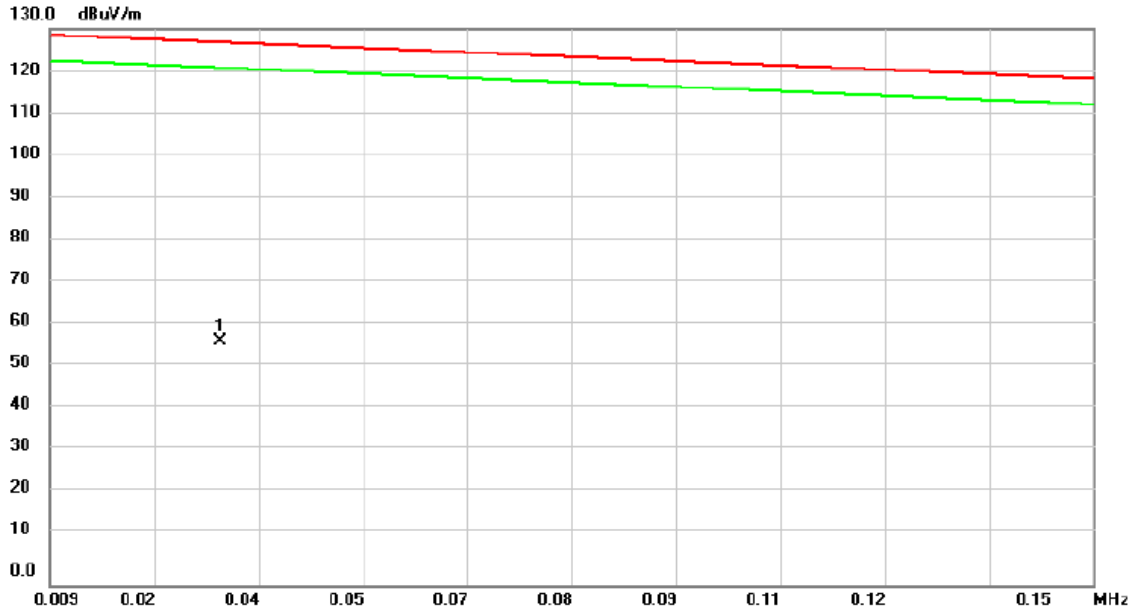
Close



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.1500 | 47.16 | 12.03 | 59.19 | 118.34 | -59.15 | peak | |
| 2 | | 0.9261 | 31.48 | 11.97 | 43.45 | 69.91 | -26.46 | peak | |
| 3 | * | 1.4334 | 27.49 | 11.80 | 39.29 | 65.39 | -26.10 | peak | |
| 4 | | 3.1051 | 20.33 | 11.12 | 31.45 | 69.54 | -38.09 | peak | |
| 5 | | 6.3887 | 15.28 | 11.37 | 26.65 | 69.54 | -42.89 | peak | |
| 6 | | 11.6423 | 11.79 | 11.25 | 23.04 | 69.54 | -46.50 | peak | |

Test Mode: UNII-3/ TX_Adapter: AMIGO / AMS151-1202000F

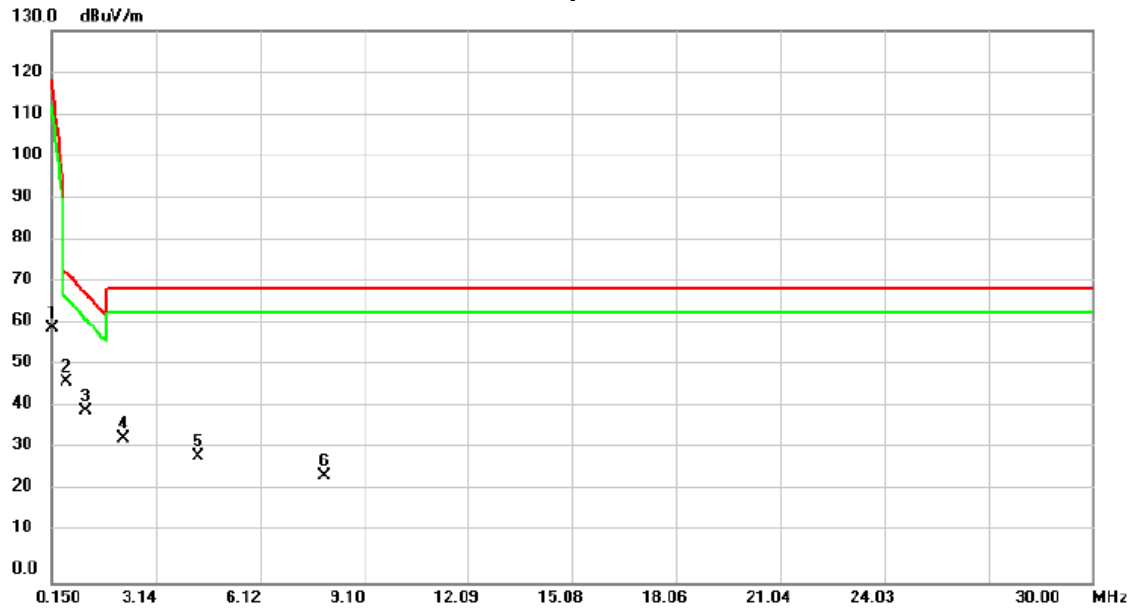
Open



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 0.0320 | 42.16 | 14.80 | 56.96 | 126.86 | -69.90 | peak | |

Test Mode: UNII-3/ TX_Adapter: AMIGO / AMS151-1202000F

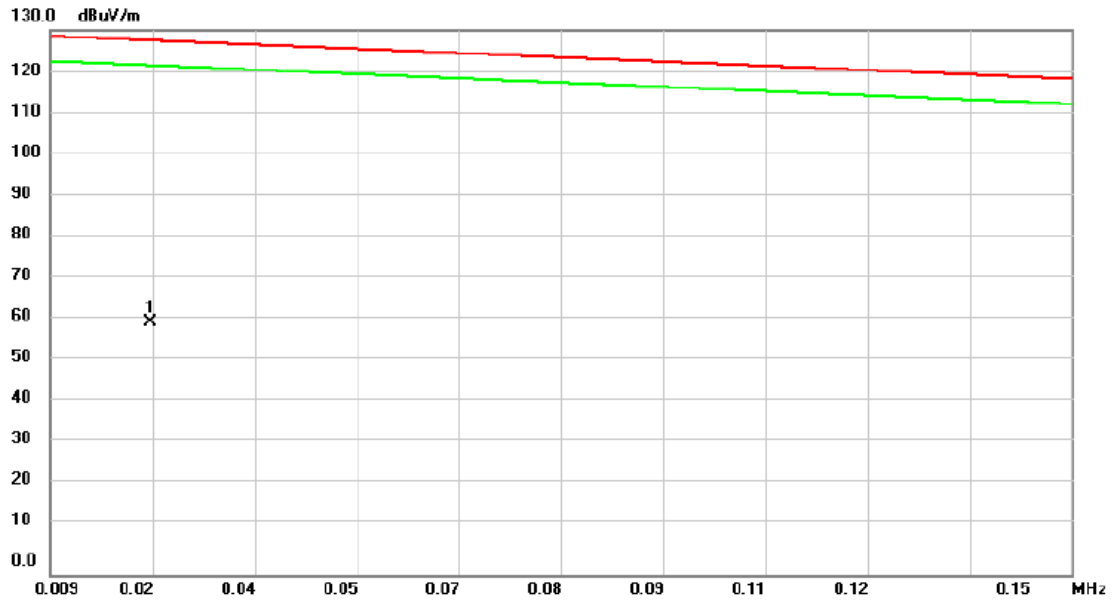
Open



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.1500 | 47.93 | 12.03 | 59.96 | 118.34 | -58.38 | peak | |
| 2 | * | 0.5675 | 35.40 | 11.83 | 47.23 | 73.11 | -25.88 | peak | |
| 3 | | 1.1350 | 28.52 | 11.94 | 40.46 | 68.05 | -27.59 | peak | |
| 4 | | 2.2096 | 22.66 | 11.46 | 34.12 | 69.54 | -35.42 | peak | |
| 5 | | 4.3290 | 18.38 | 11.30 | 29.68 | 69.54 | -39.86 | peak | |
| 6 | | 7.9706 | 13.82 | 11.34 | 25.16 | 69.54 | -44.38 | peak | |

Test Mode: UNII-3/ TX_Adapter: AMIGO / AMS151-120200F

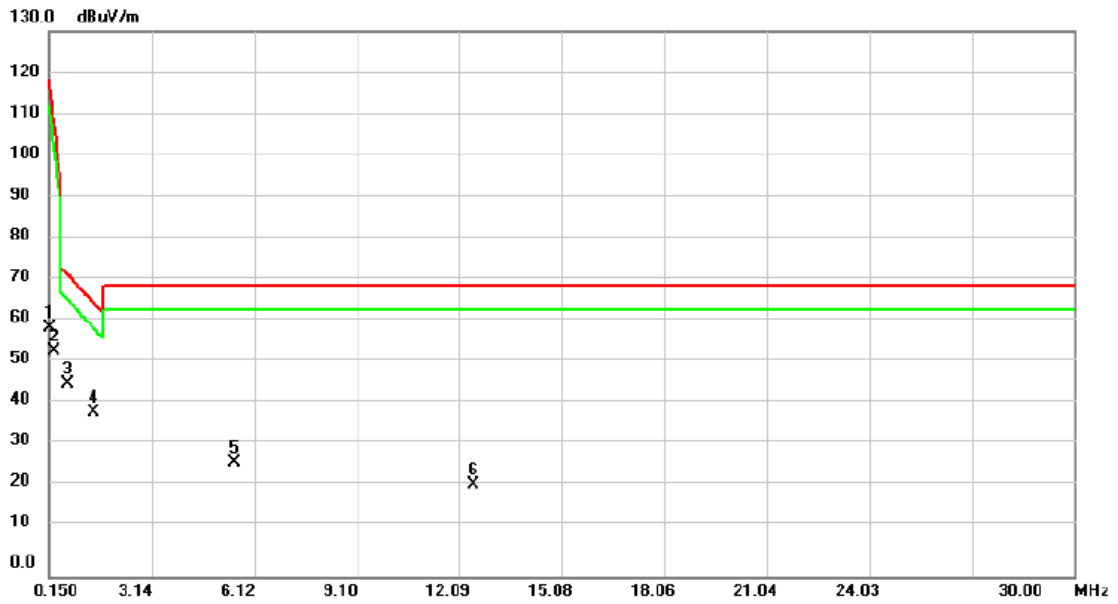
Close



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 0.0228 | 43.30 | 16.98 | 60.28 | 127.52 | -67.24 | peak | |

Test Mode: UNII-3/ TX_Adapter: AMIGO / AMS151-120200F

Close

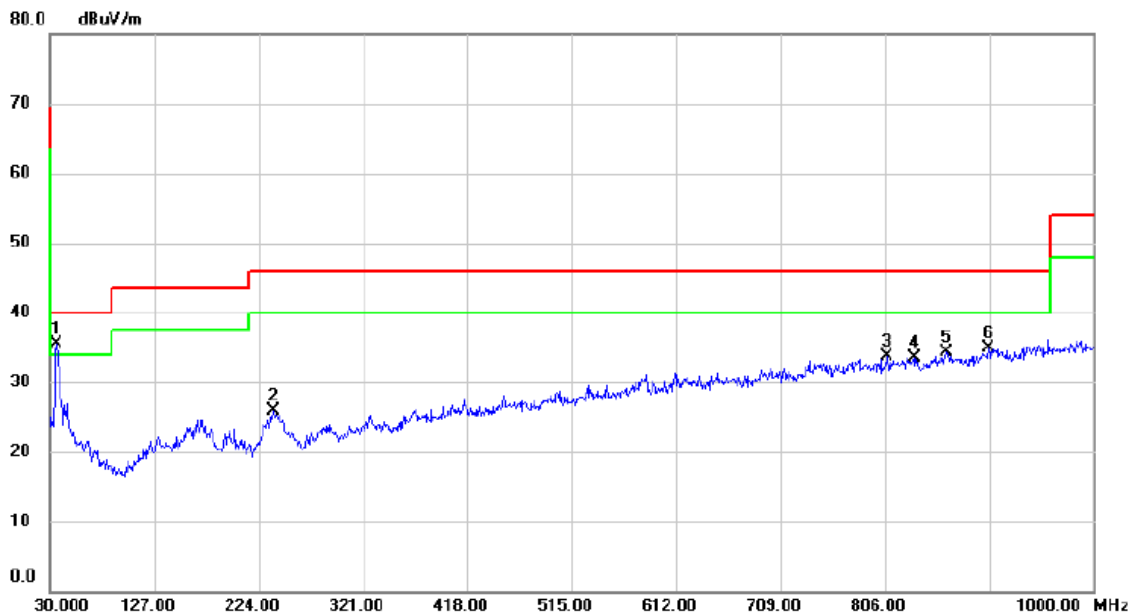


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.1500 | 47.16 | 12.03 | 59.19 | 118.34 | -59.15 | peak | |
| 2 | | 0.2993 | 41.85 | 11.80 | 53.65 | 107.57 | -53.92 | peak | |
| 3 | * | 0.6873 | 34.17 | 11.87 | 46.04 | 72.04 | -26.00 | peak | |
| 4 | | 1.4334 | 27.49 | 11.80 | 39.29 | 65.39 | -26.10 | peak | |
| 5 | | 5.5530 | 15.80 | 11.39 | 27.19 | 69.54 | -42.35 | peak | |
| 6 | | 12.5076 | 10.83 | 11.22 | 22.05 | 69.54 | -47.49 | peak | |

ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)

Test Mode: UNII-1/ TX_Adapter: HON-KWANG / HK-XX24-A12

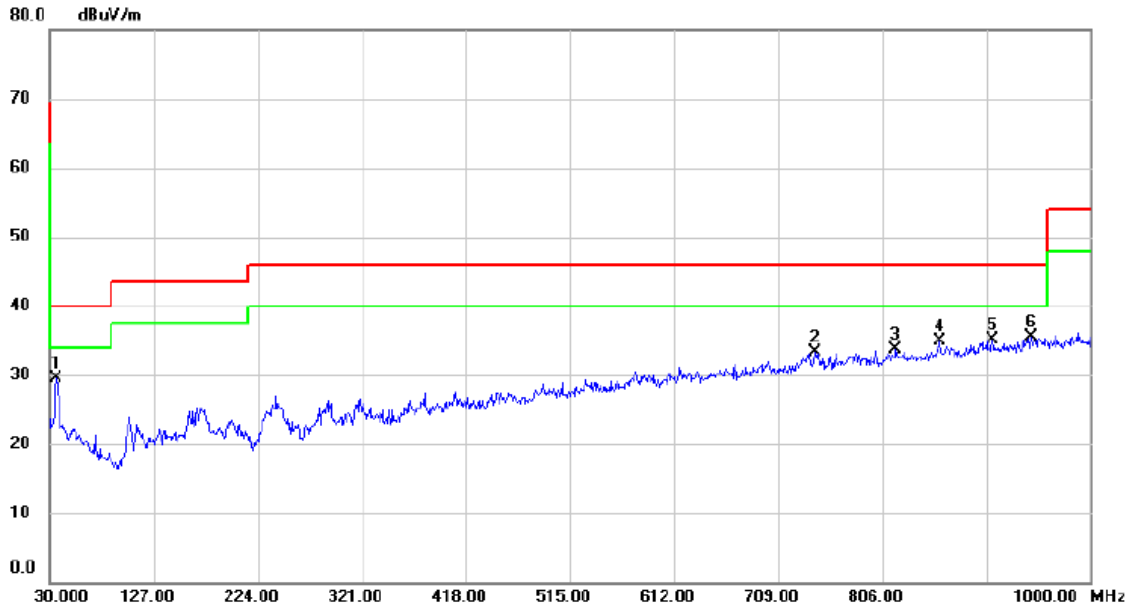
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 35.8200 | 44.38 | -8.92 | 35.46 | 40.00 | -4.54 | peak | |
| 2 | | 237.5800 | 35.41 | -9.60 | 25.81 | 46.00 | -20.19 | peak | |
| 3 | | 807.9400 | 30.77 | 2.99 | 33.76 | 46.00 | -12.24 | peak | |
| 4 | | 833.1600 | 30.06 | 3.36 | 33.42 | 46.00 | -12.58 | peak | |
| 5 | | 863.2300 | 30.51 | 3.86 | 34.37 | 46.00 | -11.63 | peak | |
| 6 | | 902.0300 | 30.34 | 4.64 | 34.98 | 46.00 | -11.02 | peak | |

Test Mode: UNII-1/ TX_Adapter: HON-KWANG / HK-XX24-A12

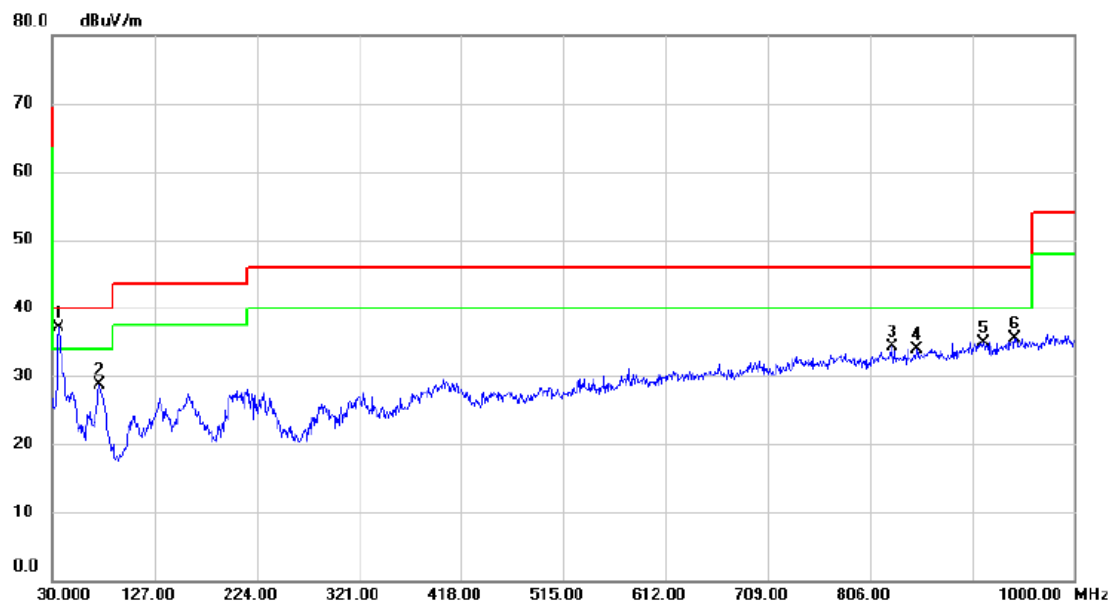
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 35.8200 | 38.33 | -8.92 | 29.41 | 40.00 | -10.59 | peak | |
| 2 | | 742.9500 | 31.05 | 2.19 | 33.24 | 46.00 | -12.76 | peak | |
| 3 | | 818.6100 | 30.59 | 3.15 | 33.74 | 46.00 | -12.26 | peak | |
| 4 | | 859.3500 | 31.08 | 3.78 | 34.86 | 46.00 | -11.14 | peak | |
| 5 | | 908.8200 | 30.35 | 4.77 | 35.12 | 46.00 | -10.88 | peak | |
| 6 | * | 944.7100 | 30.06 | 5.39 | 35.45 | 46.00 | -10.55 | peak | |

Test Mode: UNII-1/ TX_Adapter: AMIGO / AMS151-120200F

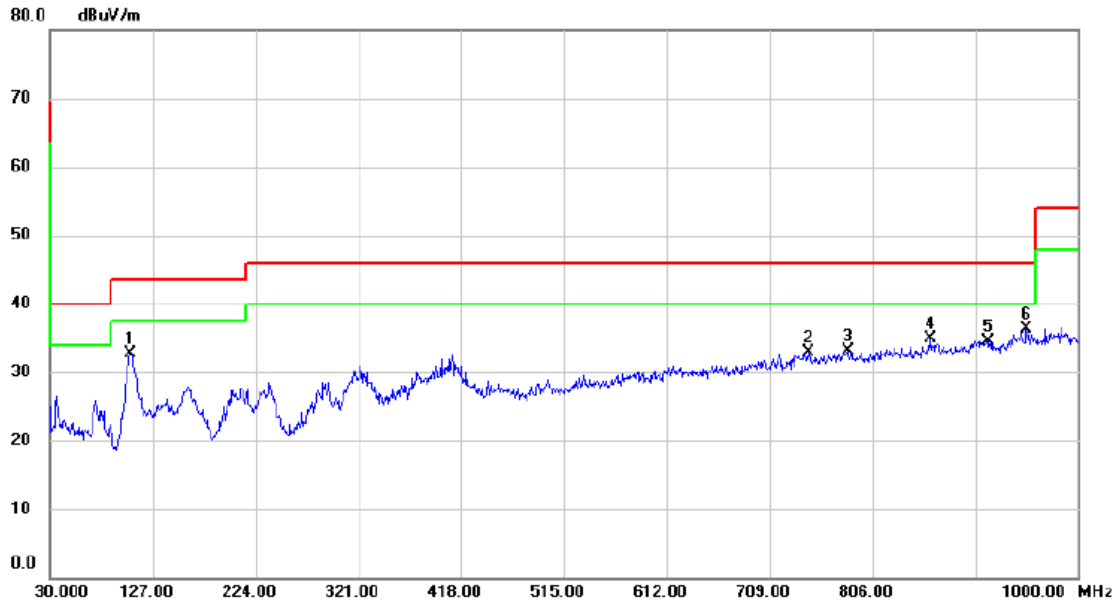
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 35.8200 | 45.98 | -8.92 | 37.06 | 40.00 | -2.94 | peak | |
| 2 | | 74.6200 | 40.08 | -11.30 | 28.78 | 40.00 | -11.22 | peak | |
| 3 | | 827.3400 | 30.99 | 3.27 | 34.26 | 46.00 | -11.74 | peak | |
| 4 | | 850.6200 | 30.36 | 3.61 | 33.97 | 46.00 | -12.03 | peak | |
| 5 | | 913.6700 | 30.08 | 4.85 | 34.93 | 46.00 | -11.07 | peak | |
| 6 | | 943.7400 | 30.17 | 5.37 | 35.54 | 46.00 | -10.46 | peak | |

Test Mode: UNII-1/ TX_Adapter: AMIGO / AMS151-120200F

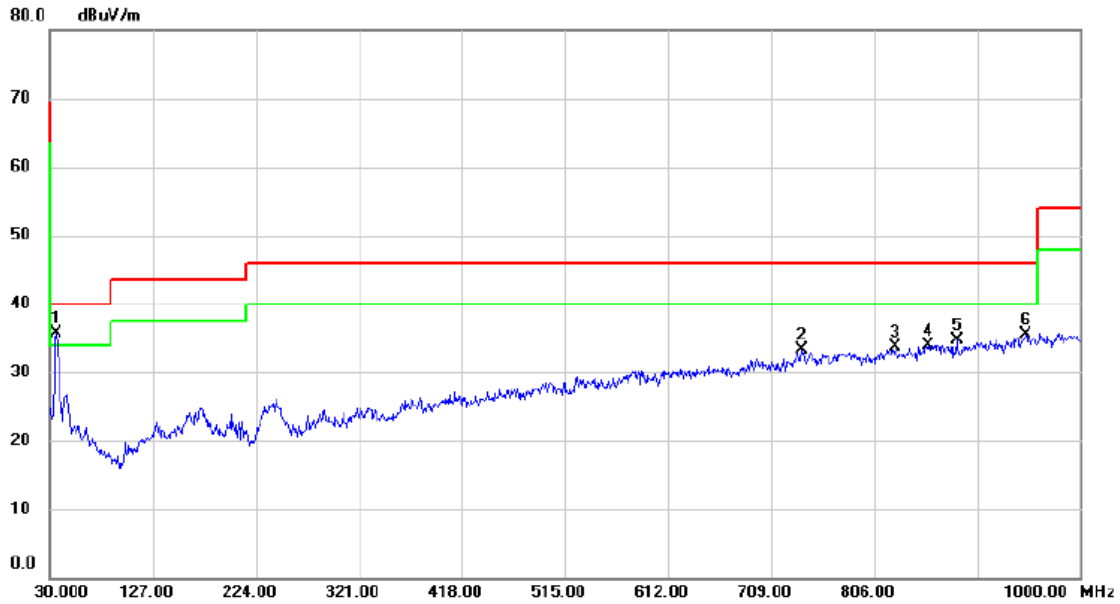
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 105.6600 | 44.39 | -11.77 | 32.62 | 43.50 | -10.88 | peak | |
| 2 | | 745.8600 | 30.68 | 2.24 | 32.92 | 46.00 | -13.08 | peak | |
| 3 | | 782.7200 | 30.44 | 2.70 | 33.14 | 46.00 | -12.86 | peak | |
| 4 | | 861.2900 | 31.17 | 3.82 | 34.99 | 46.00 | -11.01 | peak | |
| 5 | | 914.6400 | 29.73 | 4.87 | 34.60 | 46.00 | -11.40 | peak | |
| 6 | * | 951.5000 | 30.78 | 5.51 | 36.29 | 46.00 | -9.71 | peak | |

Test Mode: UNII-3/ TX_Adapter: HON-KWANG / HK-XX24-A12

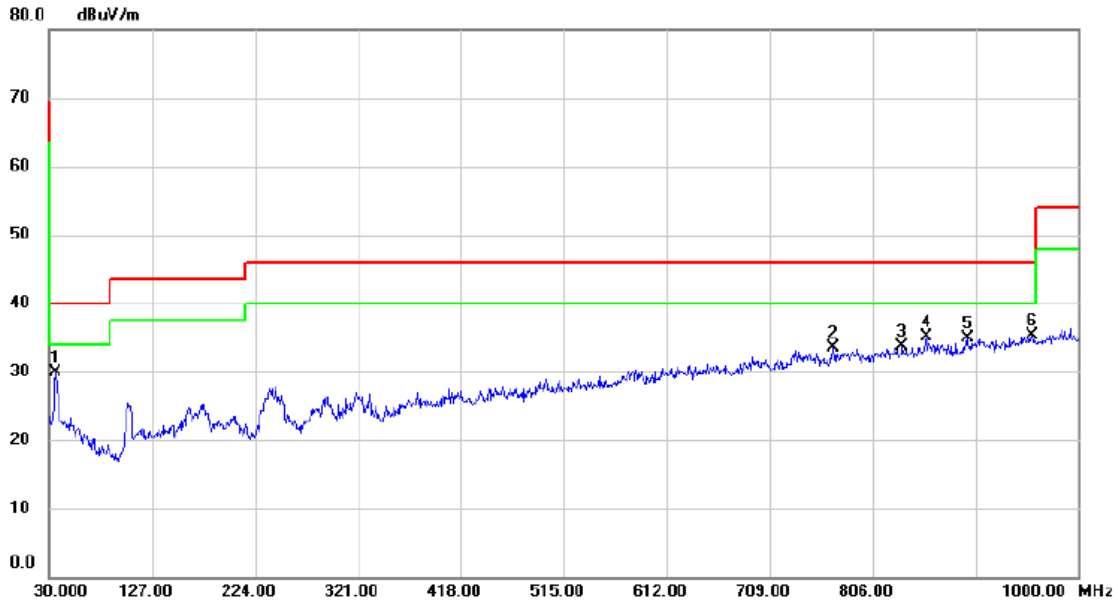
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 35.8200 | 44.69 | -8.92 | 35.77 | 40.00 | -4.23 | peak | |
| 2 | | 738.1000 | 31.18 | 2.09 | 33.27 | 46.00 | -12.73 | peak | |
| 3 | | 825.4000 | 30.39 | 3.24 | 33.63 | 46.00 | -12.37 | peak | |
| 4 | | 856.4400 | 30.21 | 3.73 | 33.94 | 46.00 | -12.06 | peak | |
| 5 | | 883.6000 | 30.40 | 4.28 | 34.68 | 46.00 | -11.32 | peak | |
| 6 | | 948.5900 | 30.05 | 5.45 | 35.50 | 46.00 | -10.50 | peak | |

Test Mode: UNII-3/ TX_Adapter: HON-KWANG / HK-XX24-A12

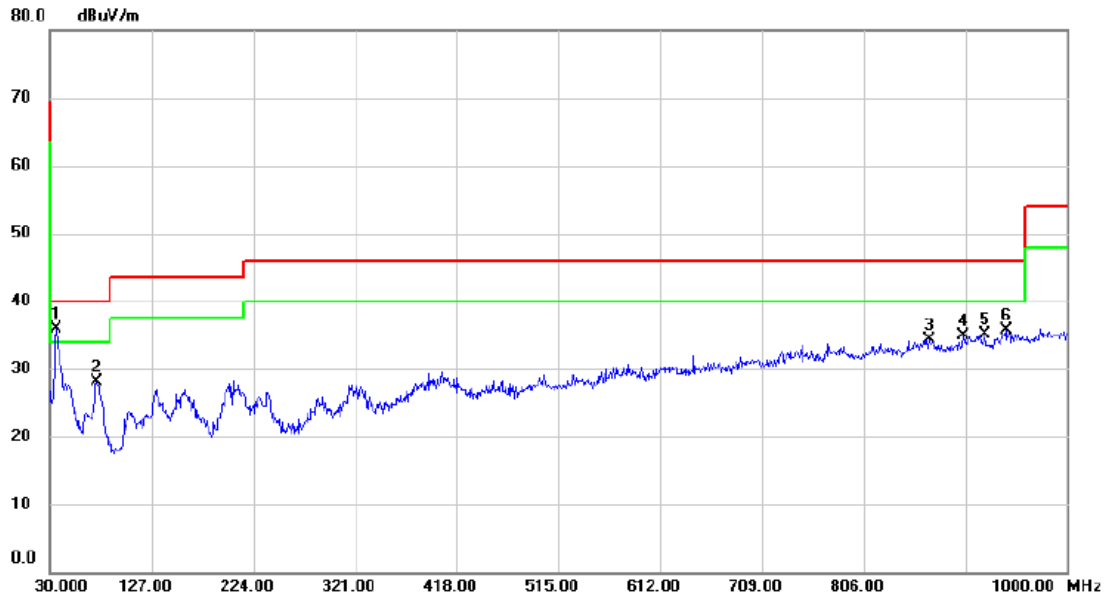
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 35.8200 | 38.83 | -8.92 | 29.91 | 40.00 | -10.09 | peak | |
| 2 | | 769.1400 | 31.01 | 2.54 | 33.55 | 46.00 | -12.45 | peak | |
| 3 | | 834.1300 | 30.34 | 3.37 | 33.71 | 46.00 | -12.29 | peak | |
| 4 | | 856.4400 | 31.30 | 3.73 | 35.03 | 46.00 | -10.97 | peak | |
| 5 | | 895.2400 | 30.31 | 4.51 | 34.82 | 46.00 | -11.18 | peak | |
| 6 | | 956.3500 | 29.81 | 5.57 | 35.38 | 46.00 | -10.62 | peak | |

Test Mode: UNII-3/ TX_Adapter: AMIGO / AMS151-120200F

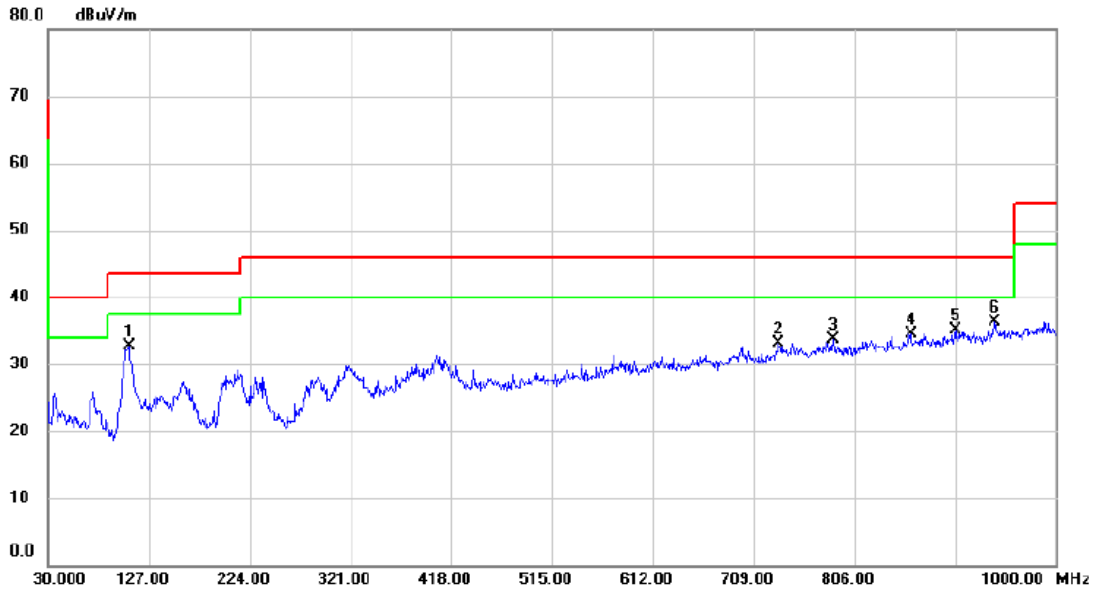
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 35.8200 | 44.77 | -8.92 | 35.85 | 40.00 | -4.15 | peak | |
| 2 | | 74.6200 | 39.49 | -11.30 | 28.19 | 40.00 | -11.81 | peak | |
| 3 | | 868.0800 | 30.38 | 3.97 | 34.35 | 46.00 | -11.65 | peak | |
| 4 | | 901.0600 | 30.20 | 4.62 | 34.82 | 46.00 | -11.18 | peak | |
| 5 | | 921.4300 | 30.16 | 4.99 | 35.15 | 46.00 | -10.85 | peak | |
| 6 | | 941.8000 | 30.38 | 5.34 | 35.72 | 46.00 | -10.28 | peak | |

Test Mode: UNII-3/ TX_Adapter: AMIGO / AMS151-120200F

Horizontal



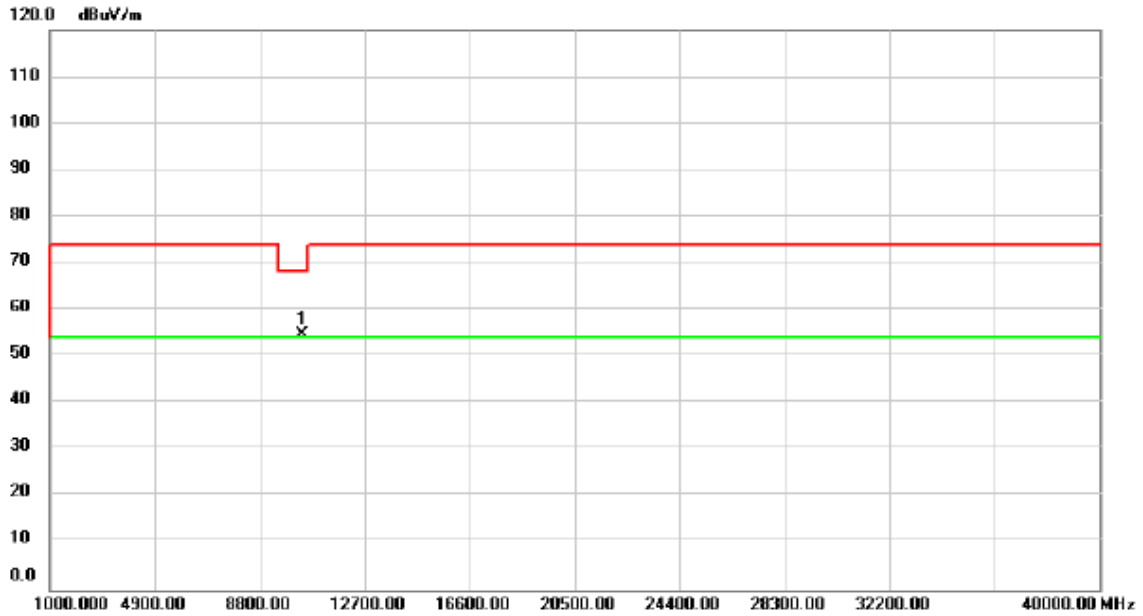
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 107.6000 | 44.16 | -11.46 | 32.70 | 43.50 | -10.80 | peak | |
| 2 | | 733.2500 | 31.19 | 1.99 | 33.18 | 46.00 | -12.82 | peak | |
| 3 | | 785.6300 | 30.98 | 2.72 | 33.70 | 46.00 | -12.30 | peak | |
| 4 | | 860.3200 | 30.78 | 3.81 | 34.59 | 46.00 | -11.41 | peak | |
| 5 | | 903.0000 | 30.34 | 4.67 | 35.01 | 46.00 | -10.99 | peak | |
| 6 | * | 940.8300 | 31.01 | 5.33 | 36.34 | 46.00 | -9.66 | peak | |

**ATTACHMENT D - RADIATED EMISSION (1GHZ~10TH
HARMONIC)**

Non-Beamforming

| | |
|------------------|---------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX A Mode 5180MHz |

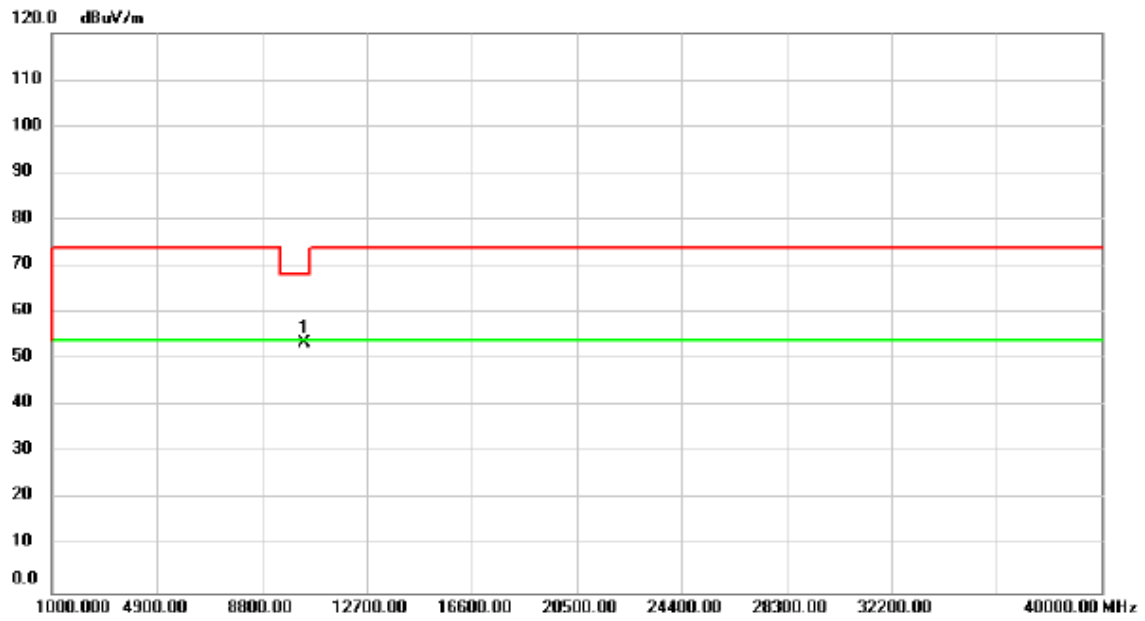
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10360.00 | 15.26 | 39.43 | 54.69 | 68.20 | -13.51 | peak | |

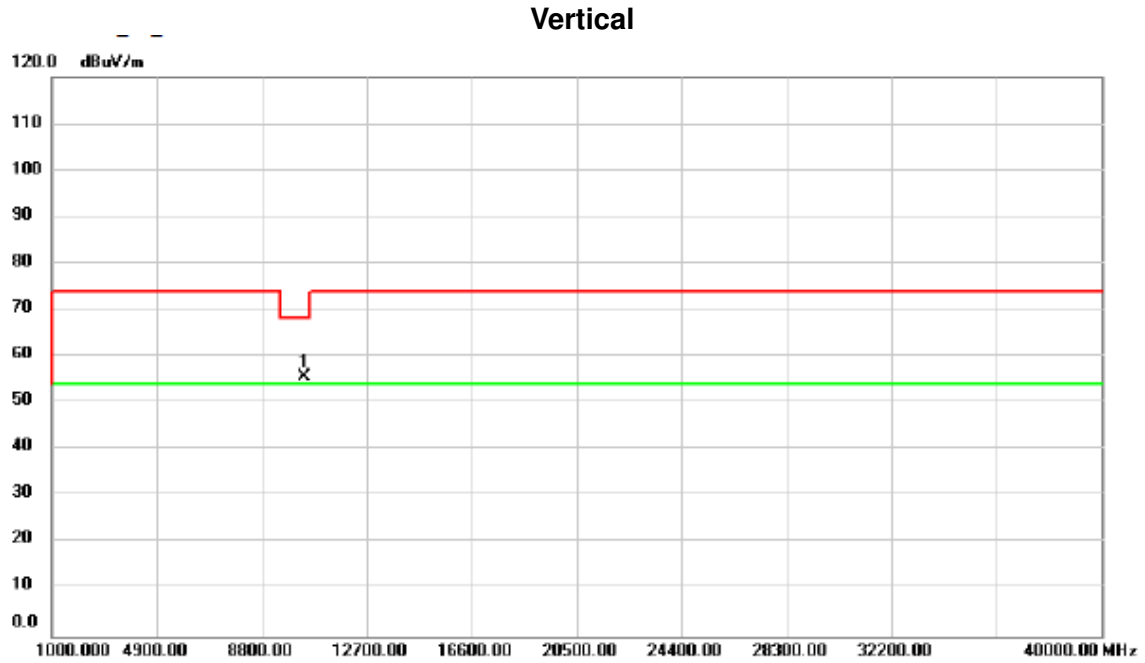
| | |
|------------------|---------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX A Mode 5180MHz |

Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10360.00 | 14.00 | 39.43 | 53.43 | 68.20 | -14.77 | peak | |

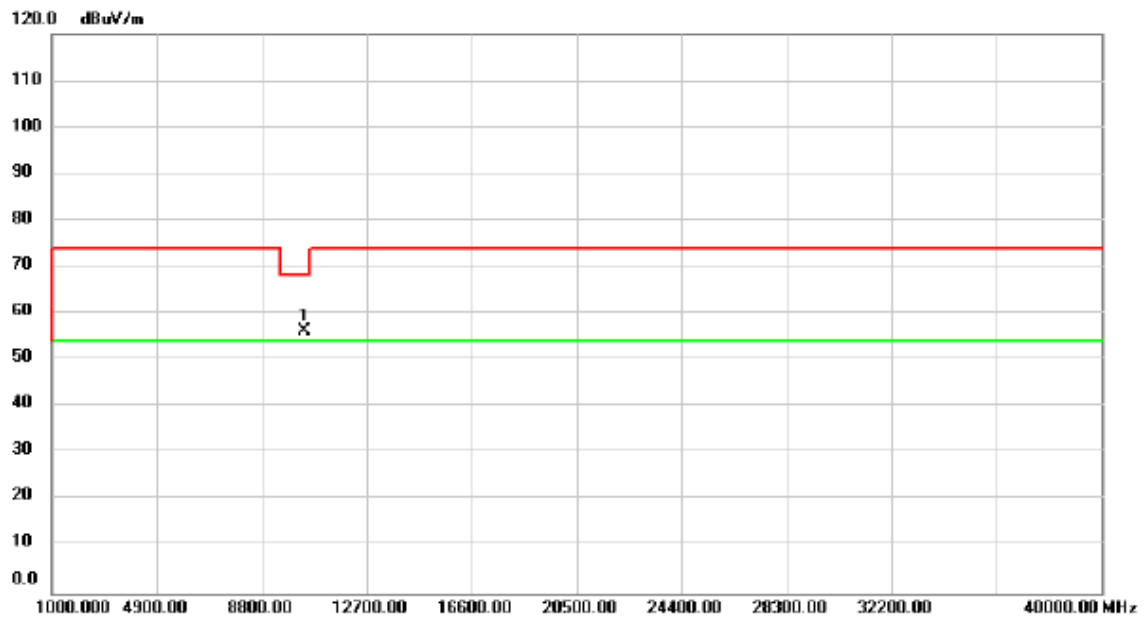
| | |
|------------------|---------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX A Mode 5200MHz |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10400.00 | 16.11 | 39.48 | 55.59 | 68.20 | -12.61 | peak | |

| | |
|------------------|---------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX A Mode 5200MHz |

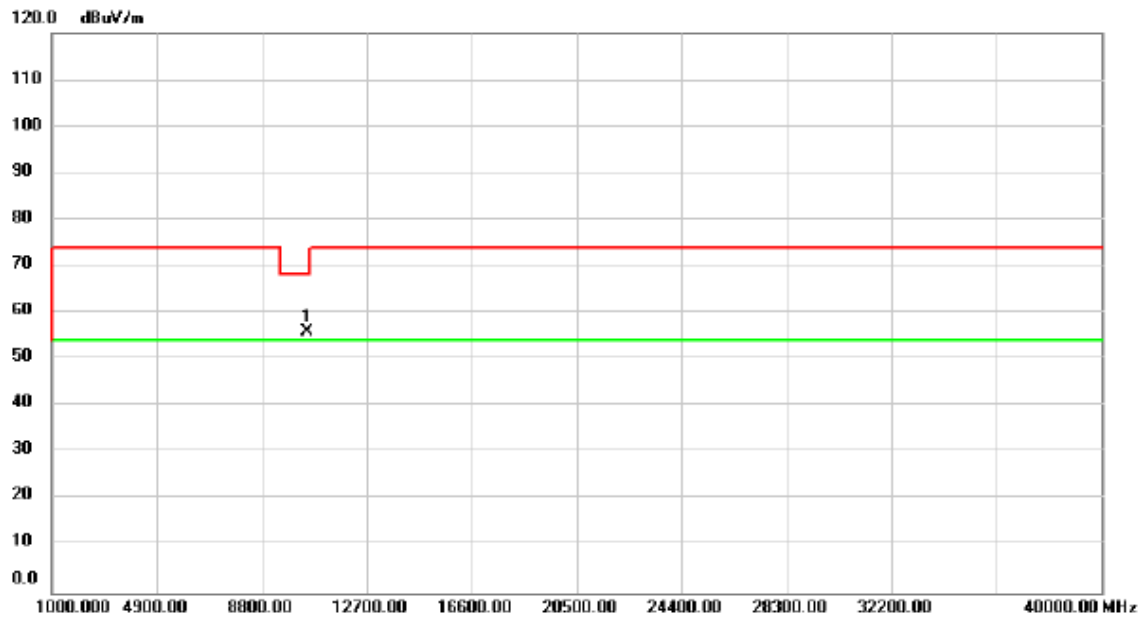
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10400.00 | 16.63 | 39.48 | 56.11 | 68.20 | -12.09 | peak | |

| | |
|------------------|---------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX A Mode 5240MHz |

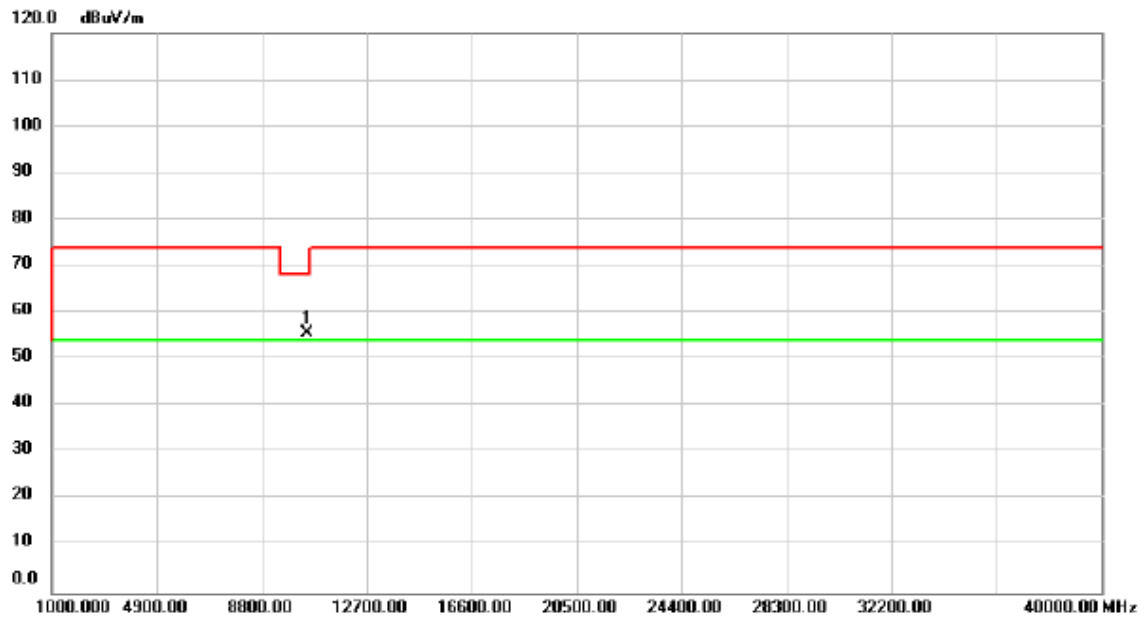
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10480.00 | 16.26 | 39.58 | 55.84 | 68.20 | -12.36 | peak | |

| | |
|------------------|---------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX A Mode 5240MHz |

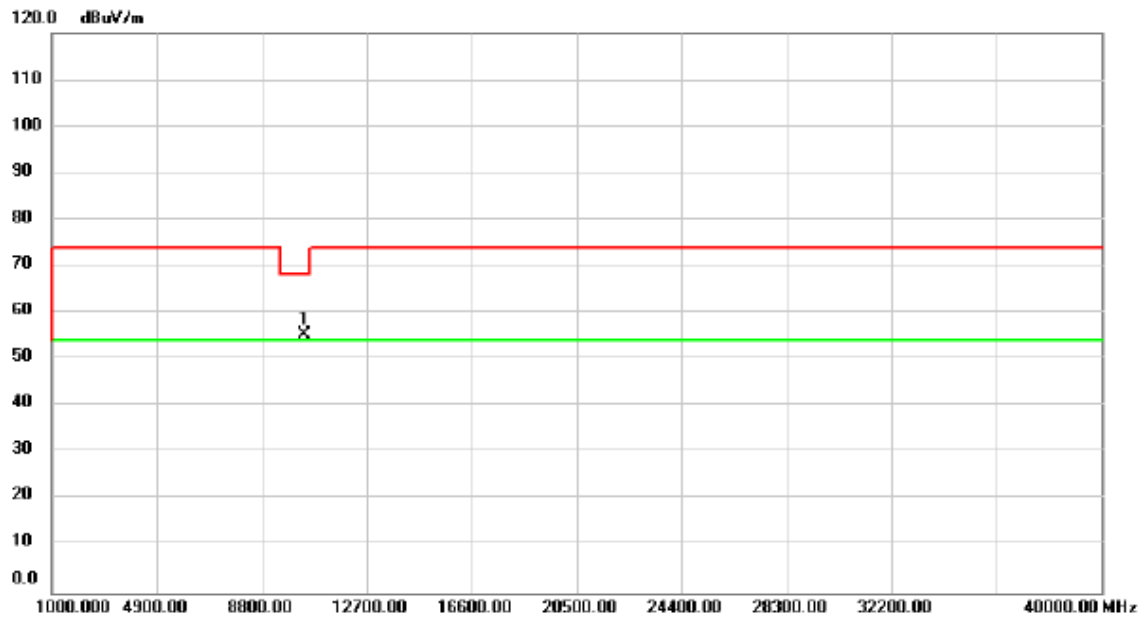
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10480.00 | 16.03 | 39.58 | 55.61 | 68.20 | -12.59 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5180MHz |

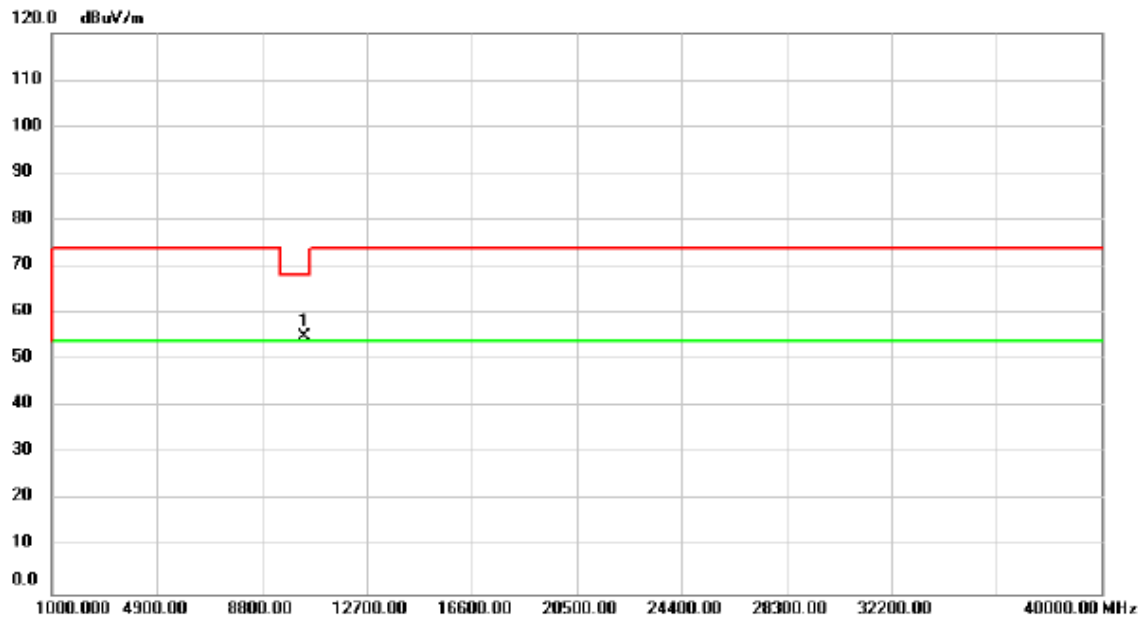
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10360.00 | 16.02 | 39.43 | 55.45 | 68.20 | -12.75 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5180MHz |

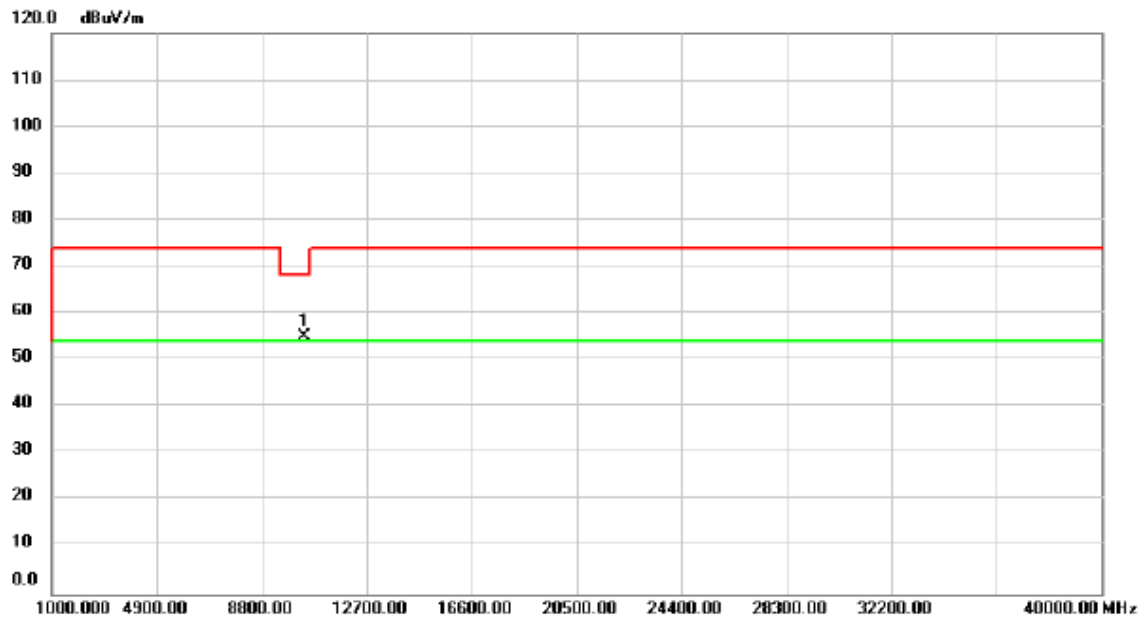
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10360.00 | 15.62 | 39.43 | 55.05 | 68.20 | -13.15 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5200MHz |

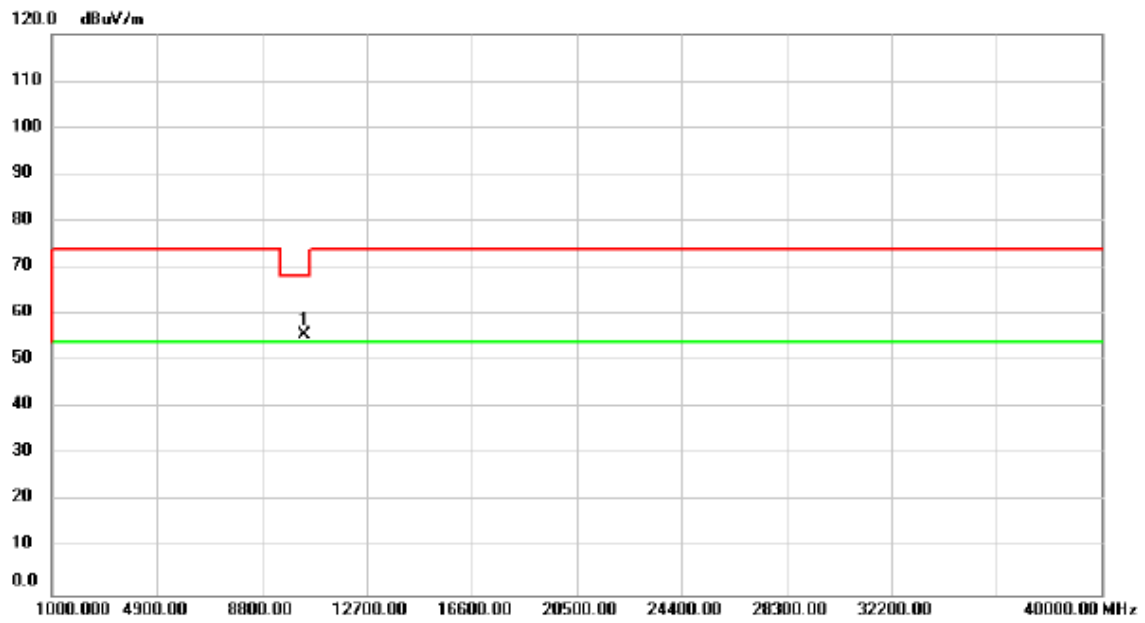
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10400.00 | 15.43 | 39.48 | 54.91 | 68.20 | -13.29 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5200MHz |

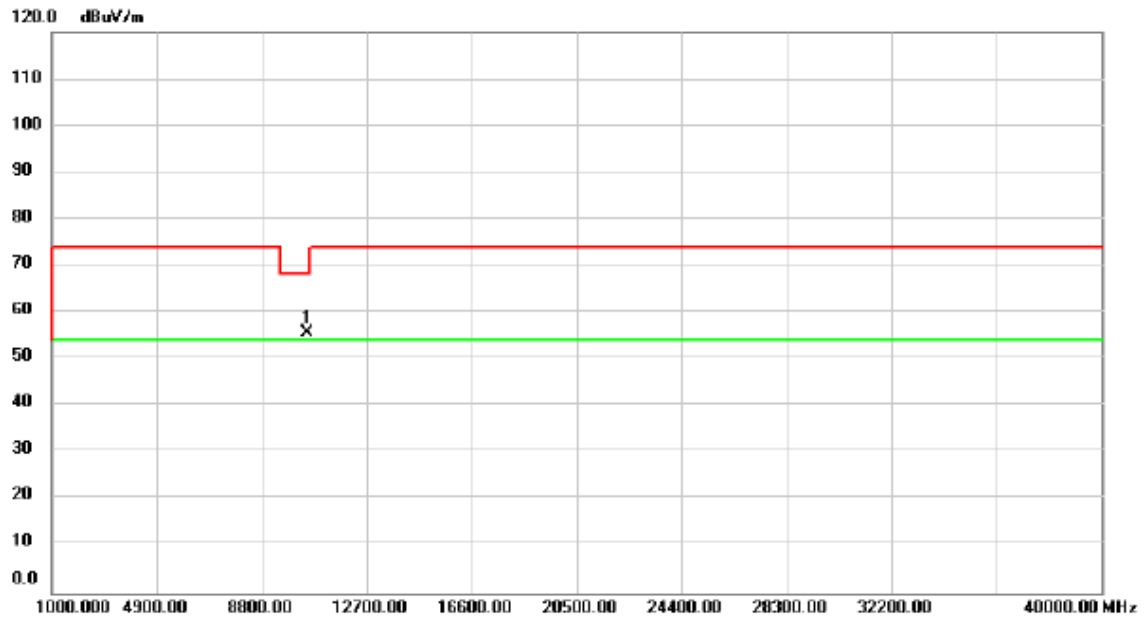
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10400.00 | 16.03 | 39.48 | 55.51 | 68.20 | -12.69 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5240MHz |

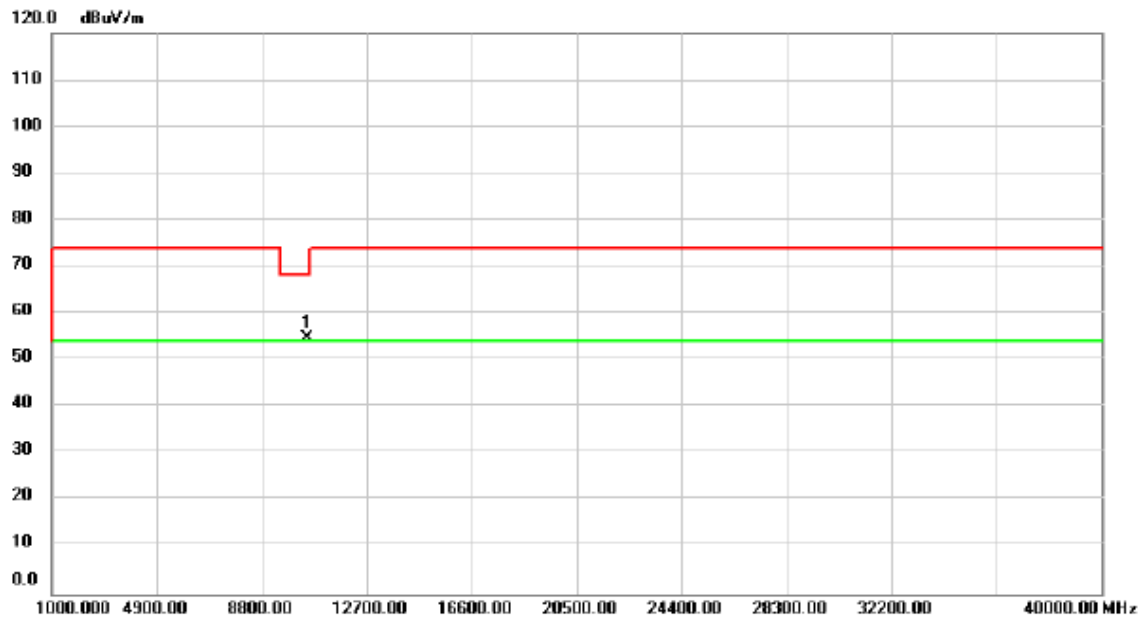
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10480.00 | 16.04 | 39.58 | 55.62 | 68.20 | -12.58 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5240MHz |

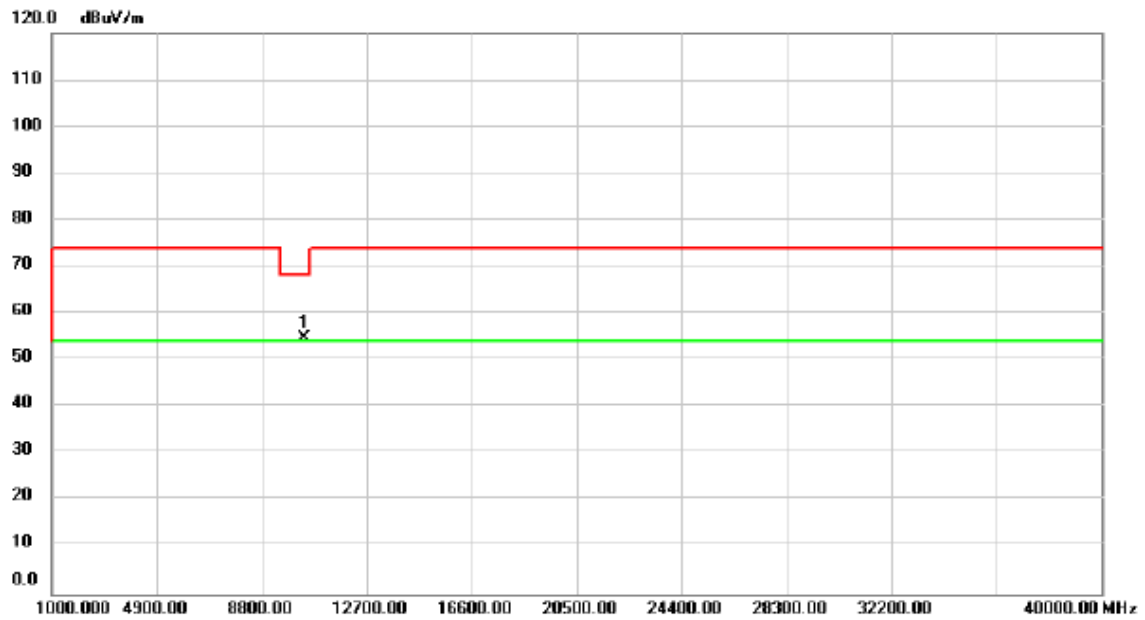
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10480.00 | 15.26 | 39.58 | 54.84 | 68.20 | -13.36 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5190MHz |

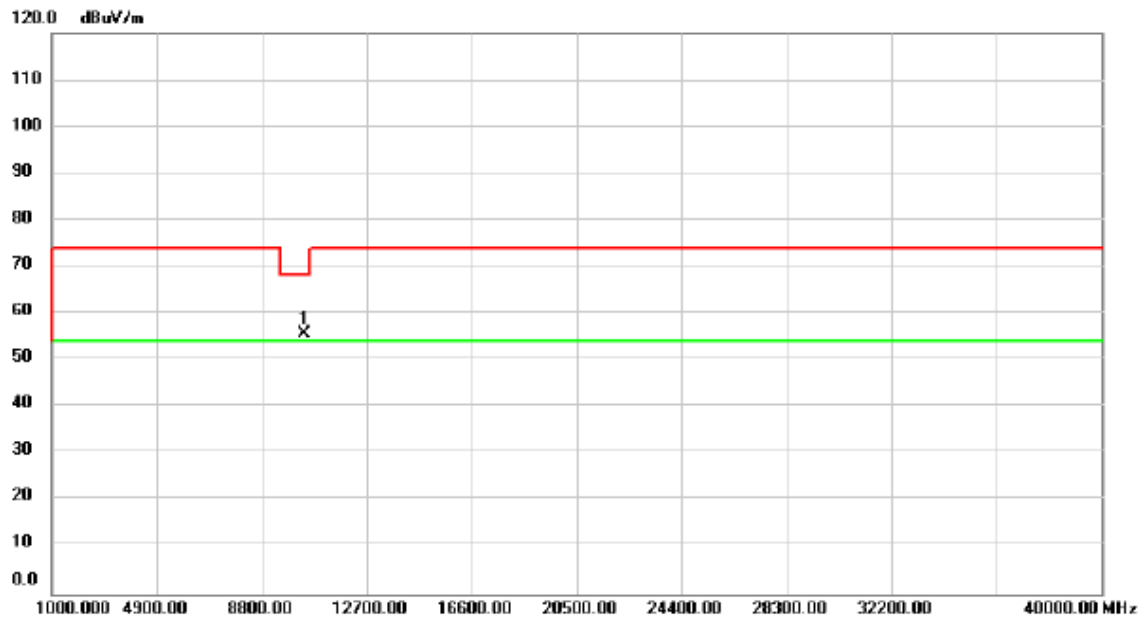
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10380.00 | 15.42 | 39.46 | 54.88 | 68.20 | -13.32 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5190MHz |

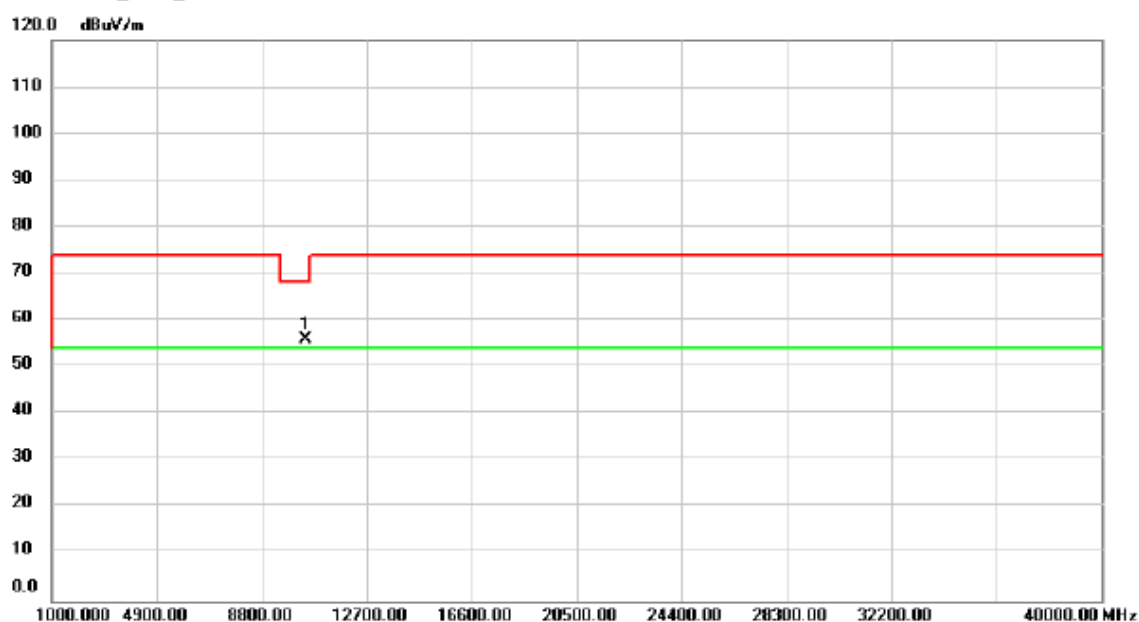
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10380.00 | 16.07 | 39.46 | 55.53 | 68.20 | -12.67 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5230MHz |

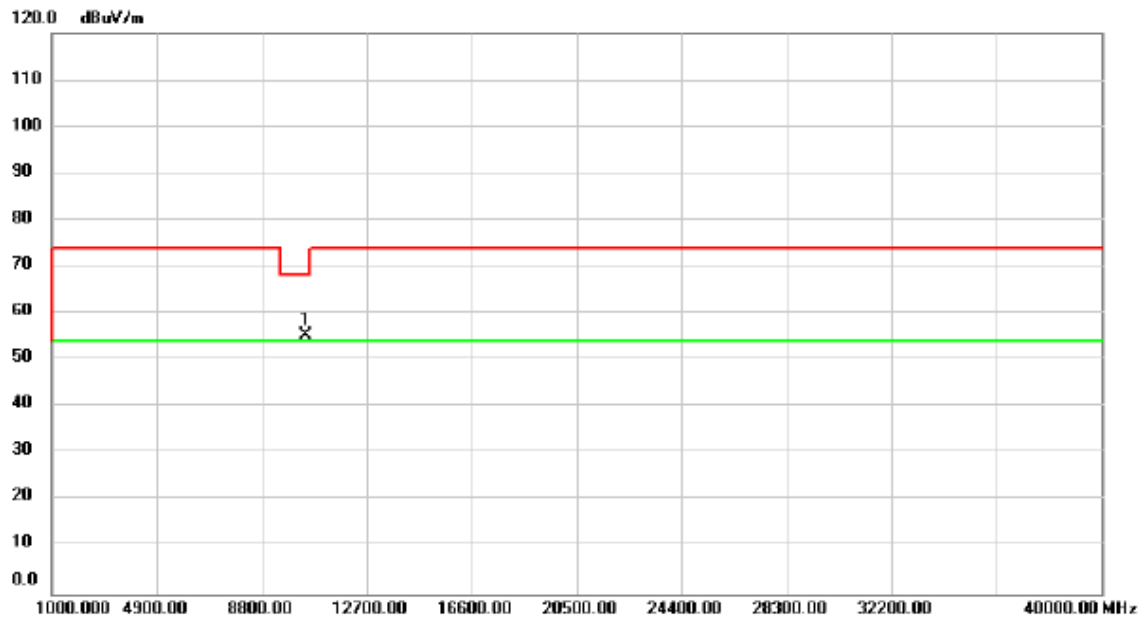
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10460.00 | 16.42 | 39.55 | 55.97 | 68.20 | -12.23 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5230MHz |

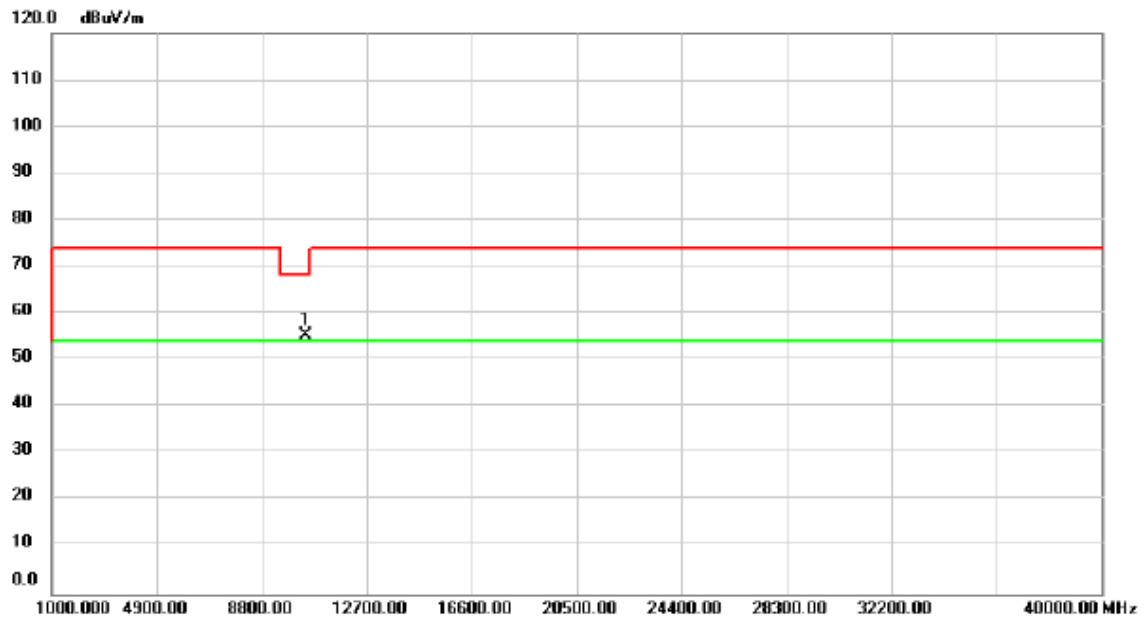
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10460.00 | 15.88 | 39.55 | 55.43 | 68.20 | -12.77 | peak | |

| | |
|------------------|------------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX AC80 Mode 5210MHz |

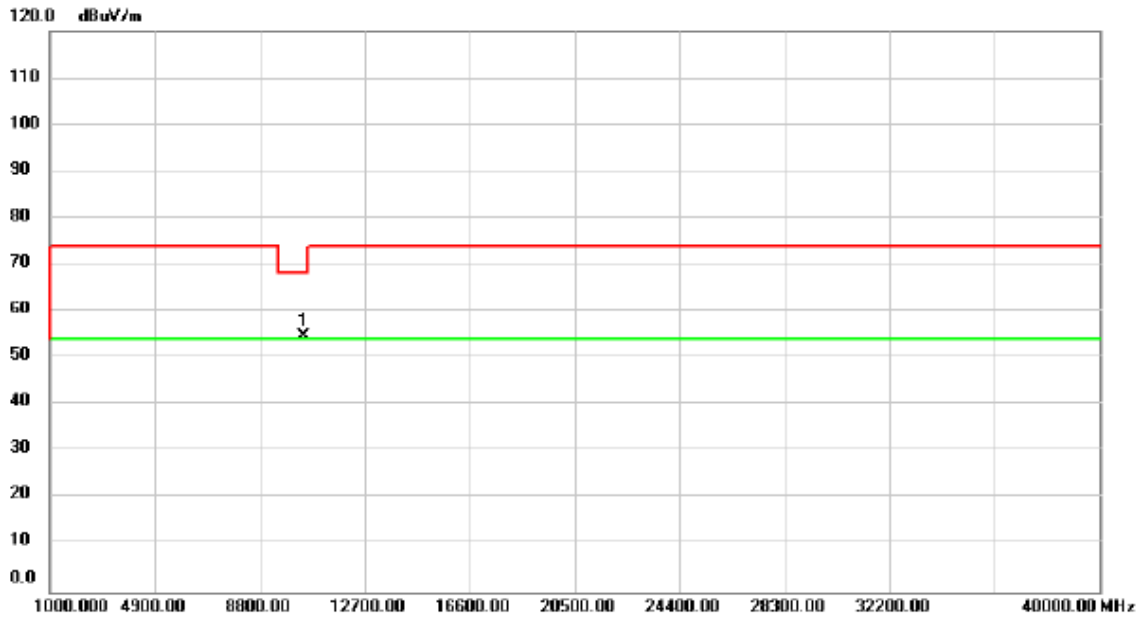
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10420.00 | 15.84 | 39.50 | 55.34 | 68.20 | -12.86 | peak | |

| | |
|------------------|------------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX AC80 Mode 5210MHz |

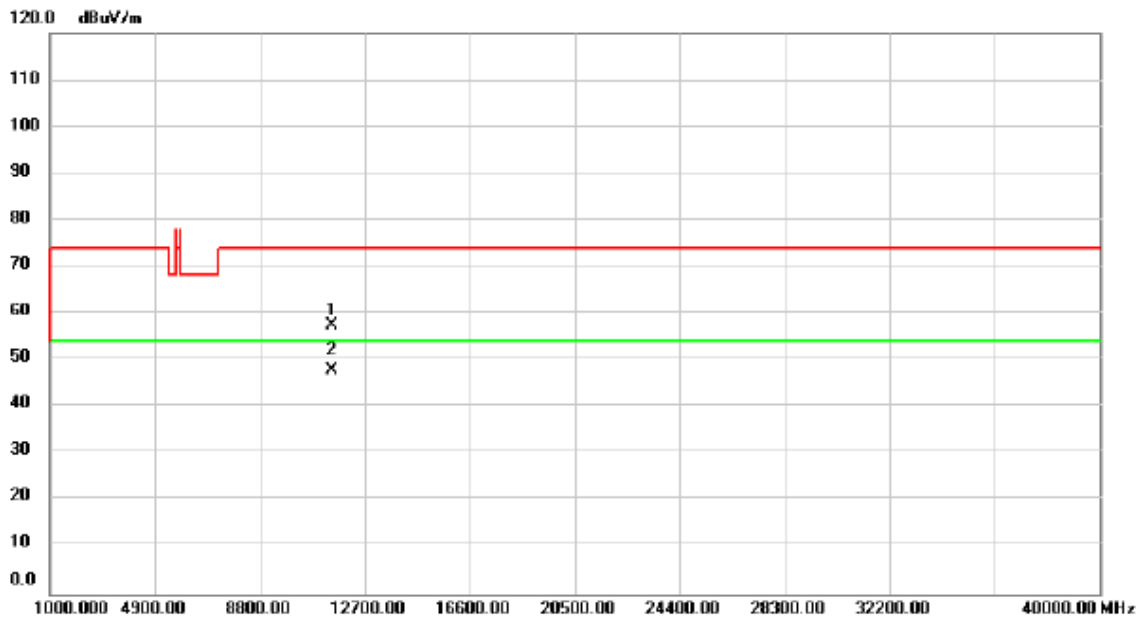
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10420.00 | 15.20 | 39.50 | 54.70 | 68.20 | -13.50 | peak | |

| | |
|------------------|--------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX A Mode 5745MHz |

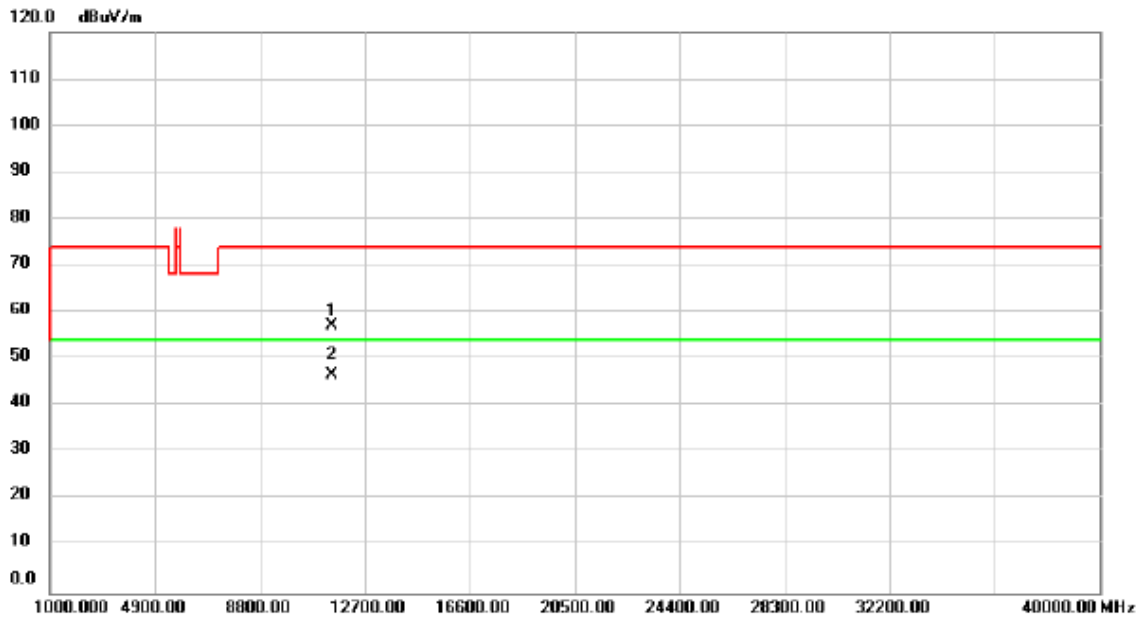
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11490.00 | 17.15 | 40.20 | 57.35 | 74.00 | -16.65 | peak | |
| 2 | * | 11490.00 | 7.68 | 40.20 | 47.88 | 54.00 | -6.12 | AVG | |

| | |
|------------------|--------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX A Mode 5745MHz |

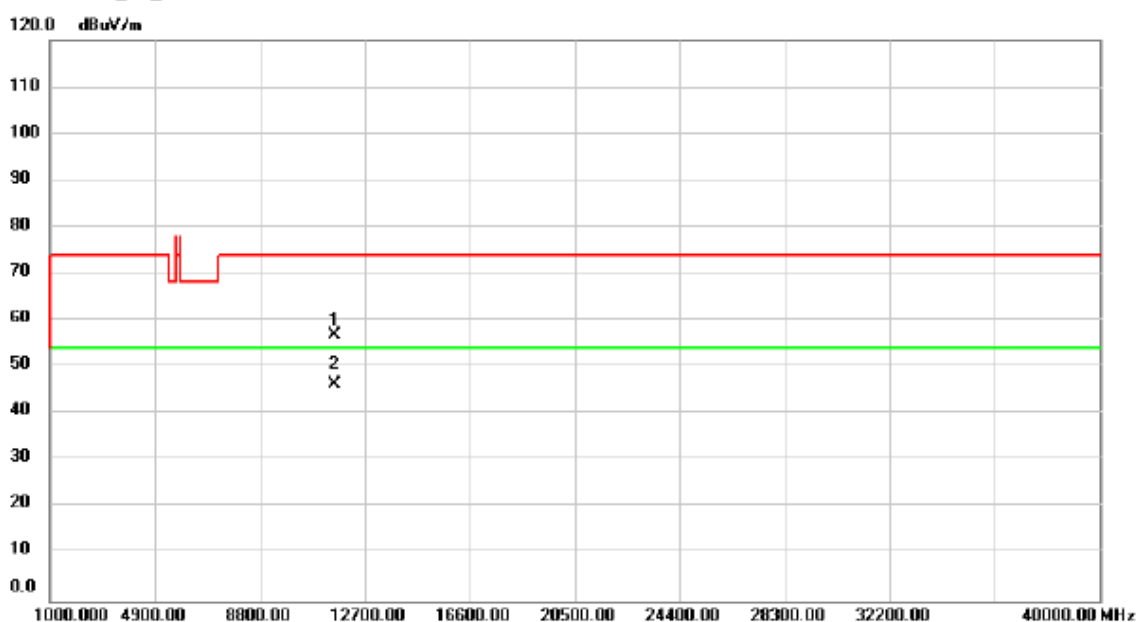
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11490.00 | 16.81 | 40.20 | 57.01 | 74.00 | -16.99 | peak | |
| 2 | * | 11490.00 | 6.34 | 40.20 | 46.54 | 54.00 | -7.46 | AVG | |

| | |
|------------------|--------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX A Mode 5785MHz |

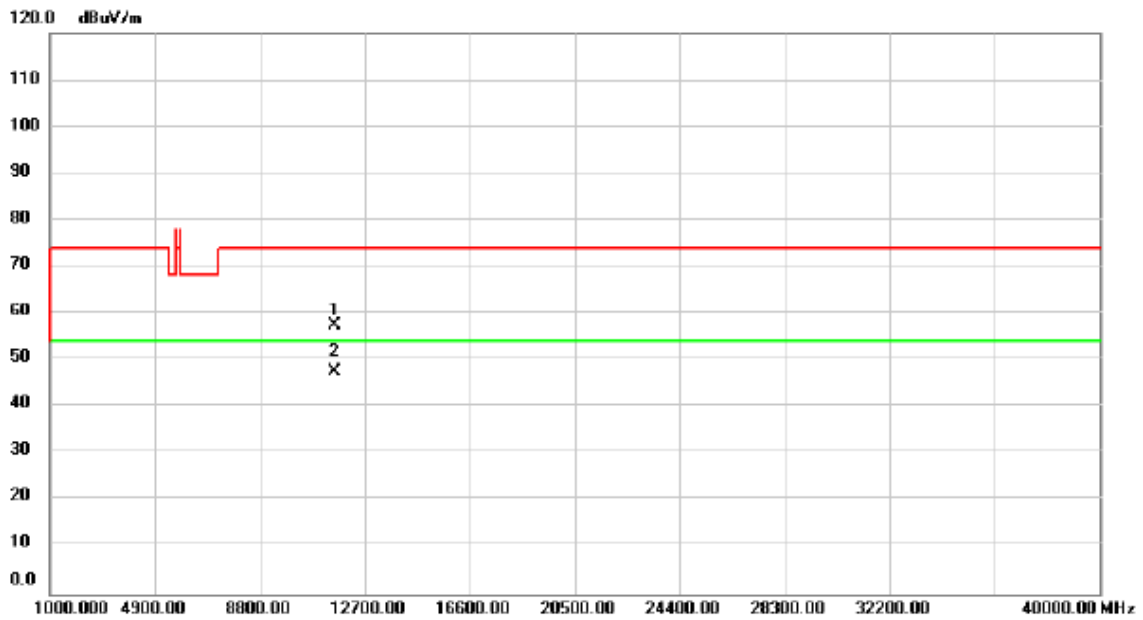
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11570.00 | 16.93 | 40.05 | 56.98 | 74.00 | -17.02 | peak | |
| 2 | * | 11570.00 | 6.36 | 40.05 | 46.41 | 54.00 | -7.59 | AVG | |

| | |
|------------------|--------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX A Mode 5785MHz |

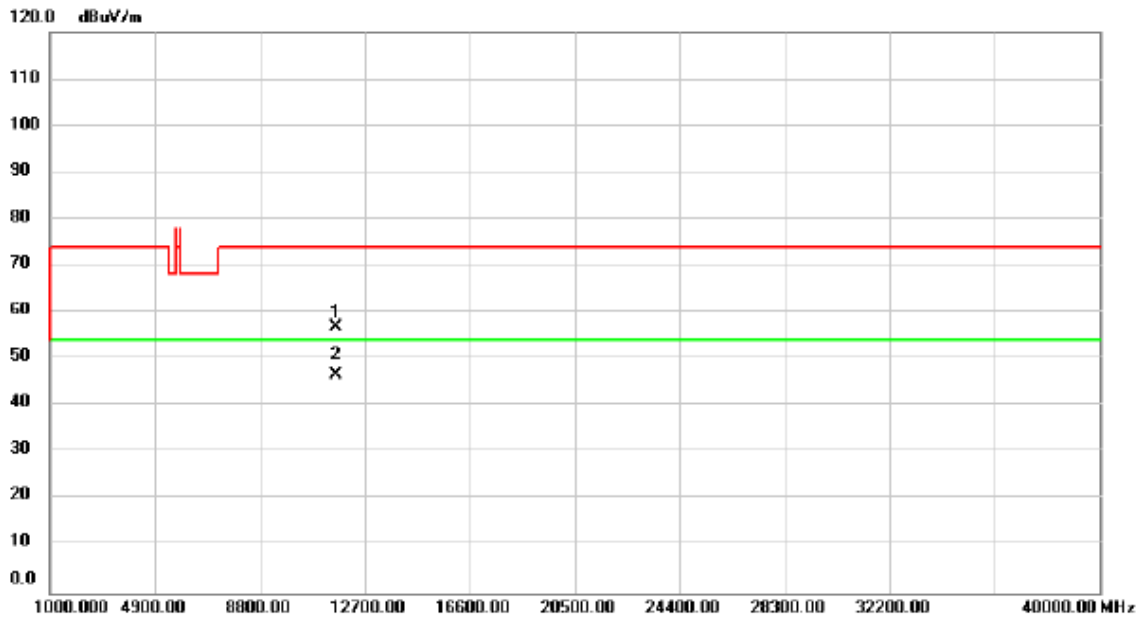
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11570.00 | 17.31 | 40.05 | 57.36 | 74.00 | -16.64 | peak | |
| 2 | * | 11570.00 | 7.41 | 40.05 | 47.46 | 54.00 | -6.54 | AVG | |

| | |
|------------------|--------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX A Mode 5825MHz |

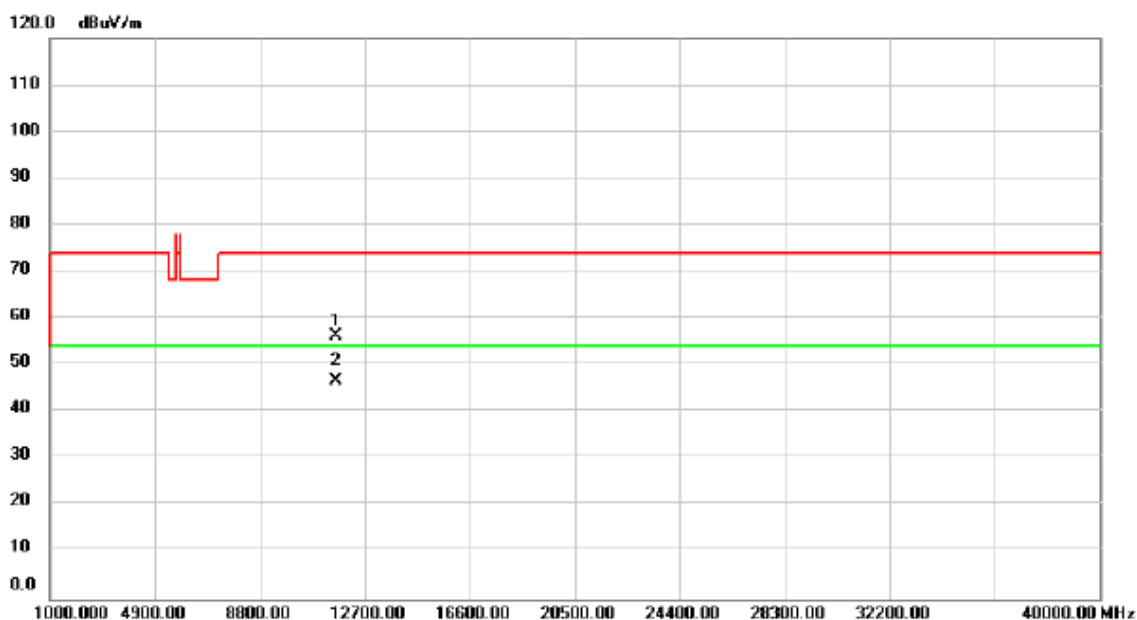
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11650.00 | 16.98 | 39.87 | 56.85 | 74.00 | -17.15 | peak | |
| 2 | * | 11650.00 | 6.65 | 39.87 | 46.52 | 54.00 | -7.48 | AVG | |

| | |
|------------------|--------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX A Mode 5825MHz |

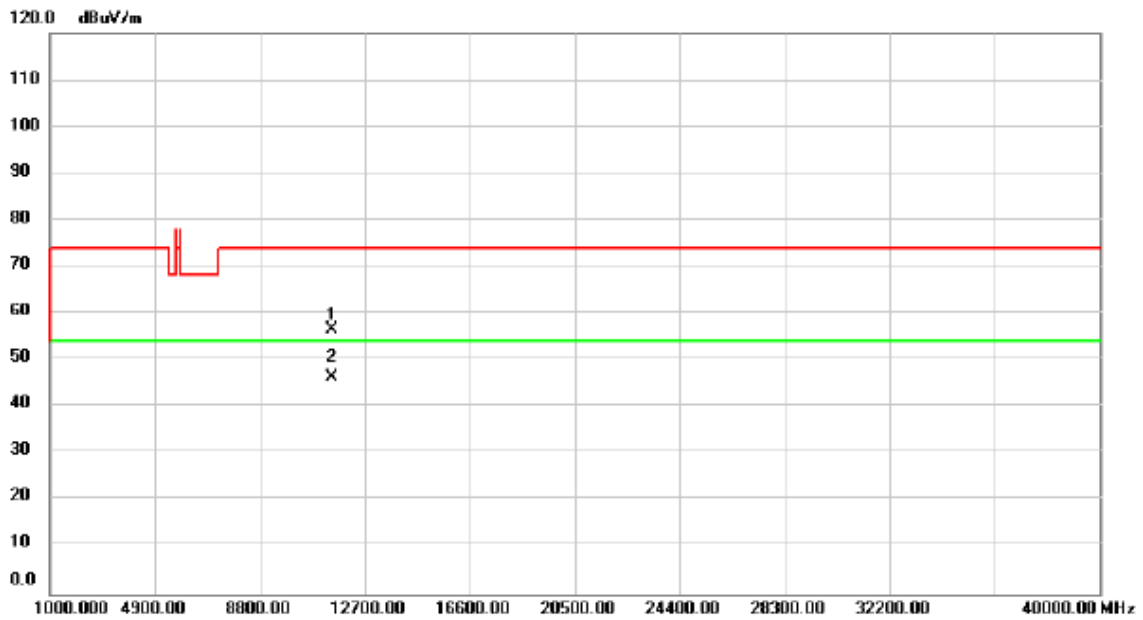
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11650.00 | 16.32 | 39.87 | 56.19 | 74.00 | -17.81 | peak | |
| 2 | * | 11650.00 | 6.81 | 39.87 | 46.68 | 54.00 | -7.32 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5745MHz |

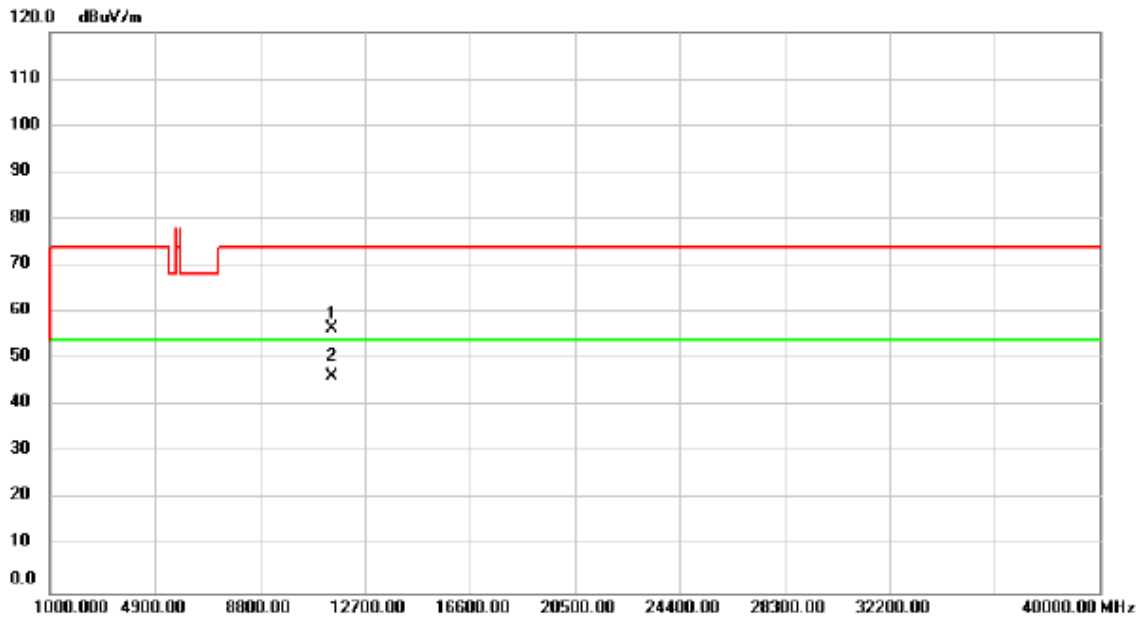
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11490.00 | 16.26 | 40.20 | 56.46 | 74.00 | -17.54 | peak | |
| 2 | * | 11490.00 | 6.19 | 40.20 | 46.39 | 54.00 | -7.61 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5745MHz |

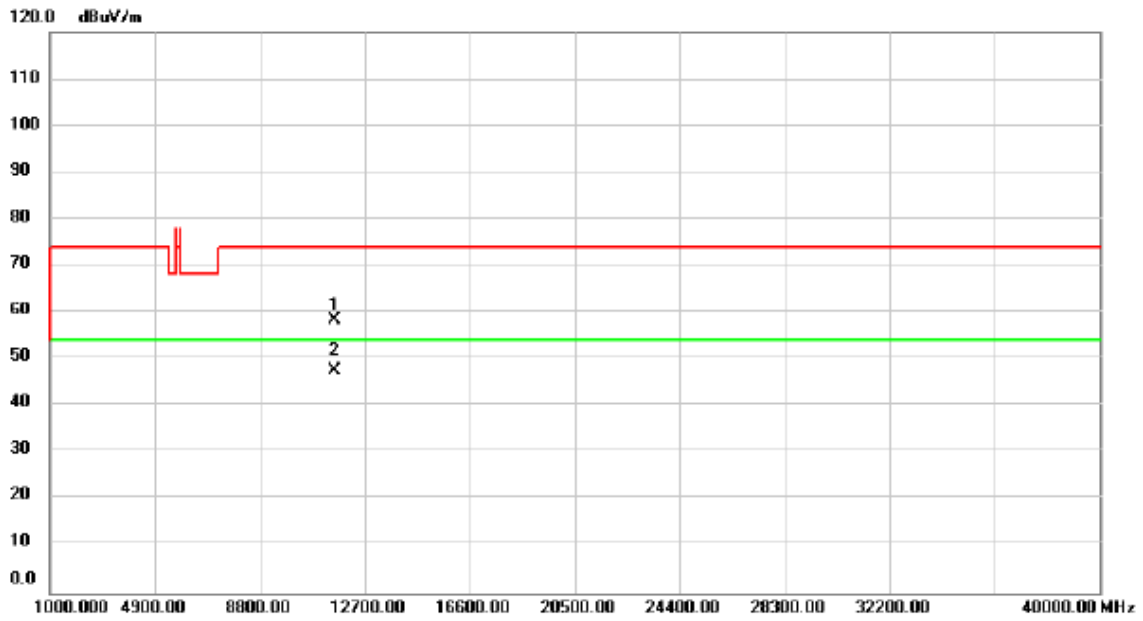
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11490.00 | 16.25 | 40.20 | 56.45 | 74.00 | -17.55 | peak | |
| 2 | * | 11490.00 | 6.24 | 40.20 | 46.44 | 54.00 | -7.56 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5785MHz |

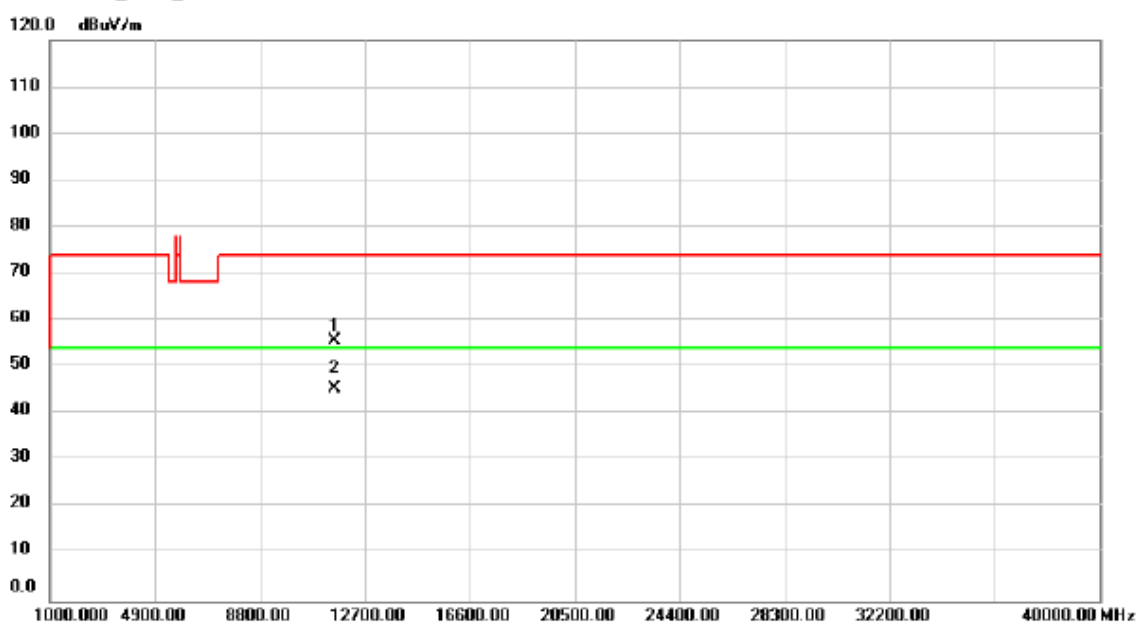
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11570.00 | 18.43 | 40.05 | 58.48 | 74.00 | -15.52 | peak | |
| 2 | * | 11570.00 | 7.56 | 40.05 | 47.61 | 54.00 | -6.39 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5785MHz |

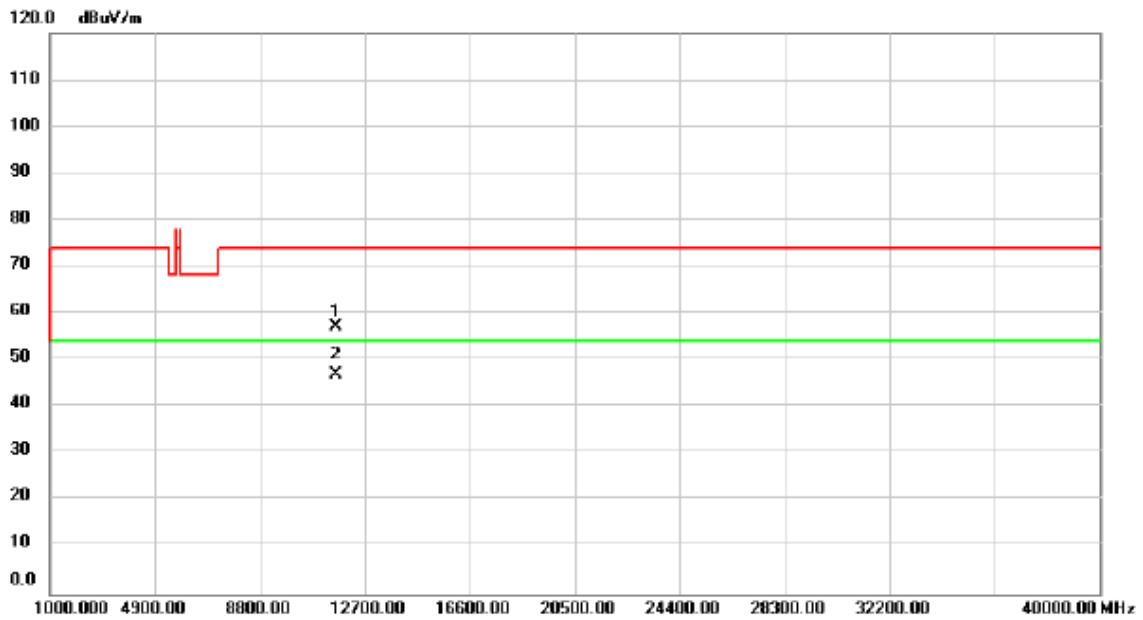
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11570.00 | 15.46 | 40.05 | 55.51 | 74.00 | -18.49 | peak | |
| 2 | * | 11570.00 | 5.46 | 40.05 | 45.51 | 54.00 | -8.49 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5825MHz |

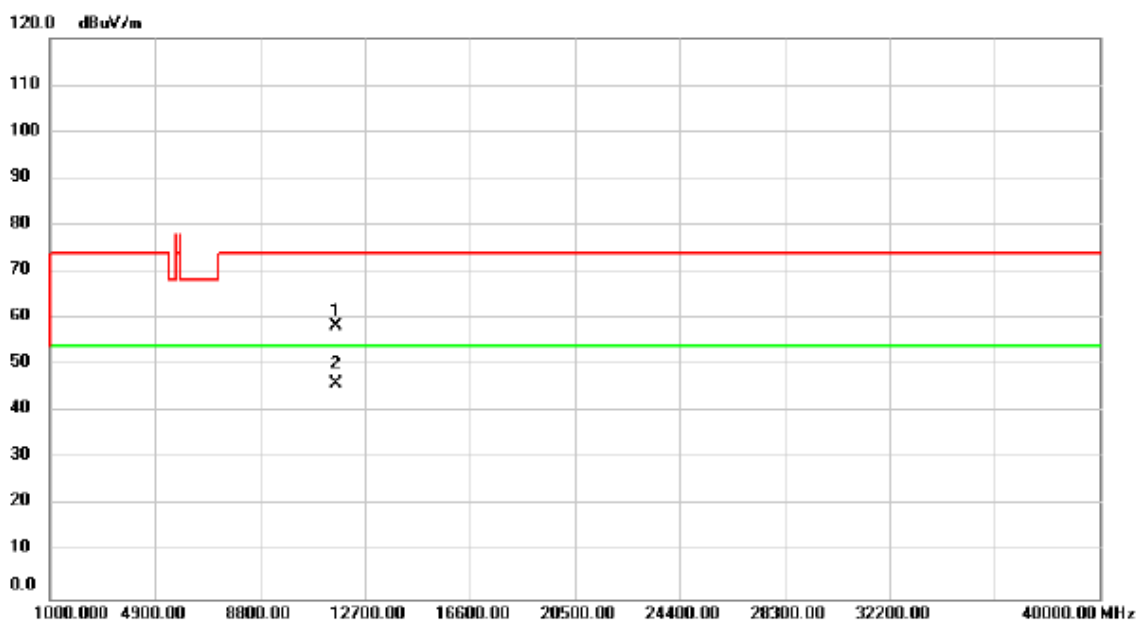
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11650.00 | 17.43 | 39.87 | 57.30 | 74.00 | -16.70 | peak | |
| 2 | * | 11650.00 | 7.16 | 39.87 | 47.03 | 54.00 | -6.97 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5825MHz |

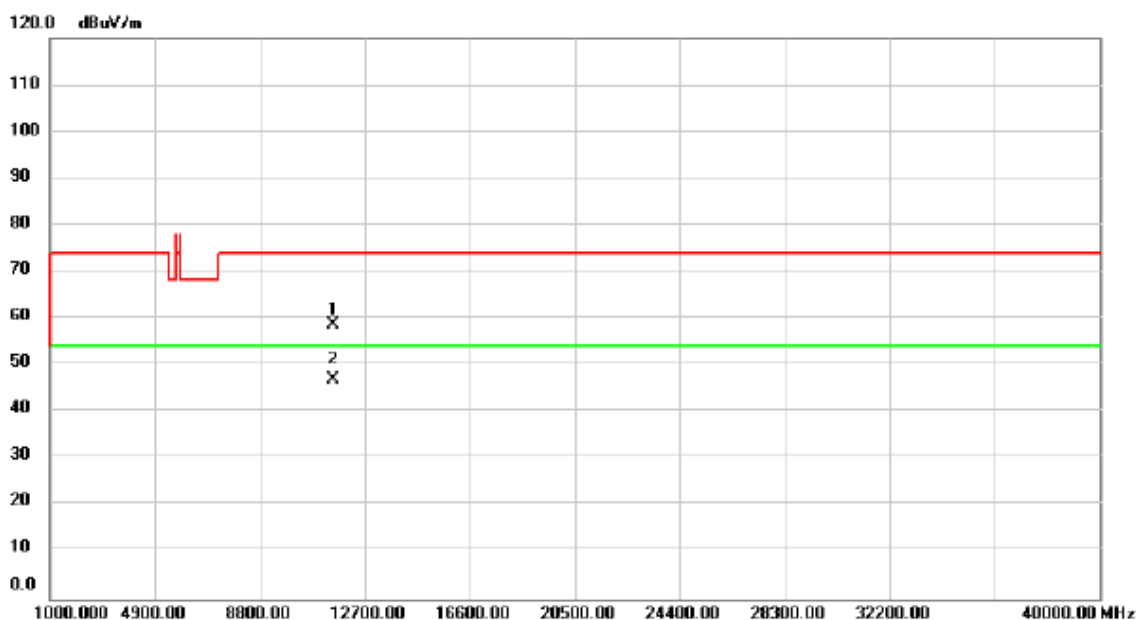
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11650.00 | 18.41 | 39.87 | 58.28 | 74.00 | -15.72 | peak | |
| 2 | * | 11650.00 | 6.19 | 39.87 | 46.06 | 54.00 | -7.94 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5755MHz |

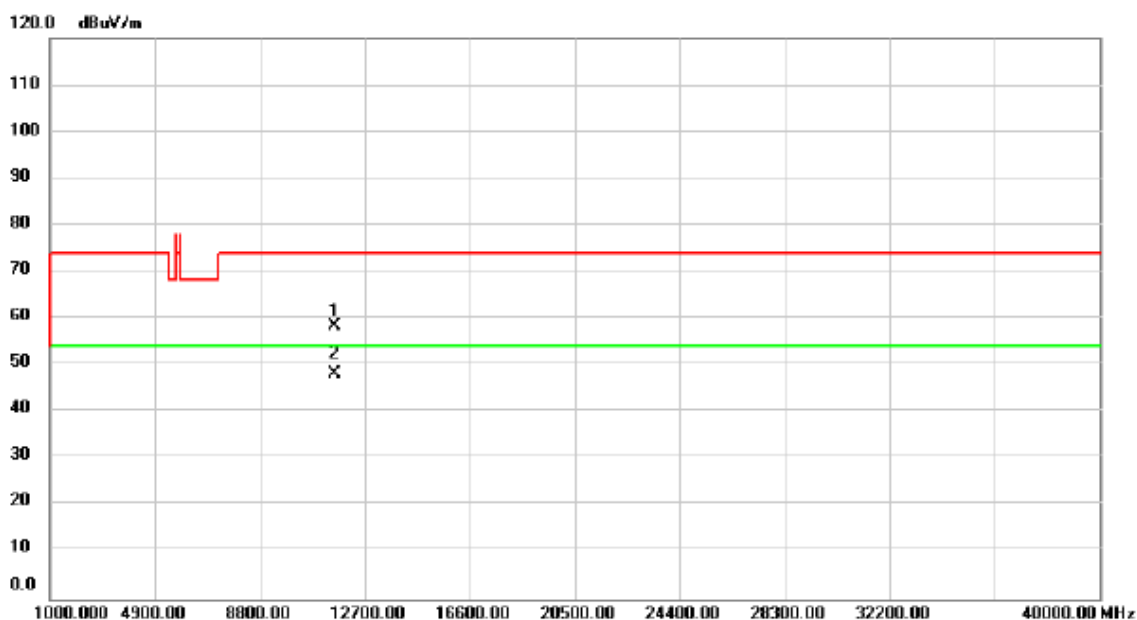
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11510.00 | 18.49 | 40.18 | 58.67 | 74.00 | -15.33 | peak | |
| 2 | * | 11510.00 | 6.85 | 40.18 | 47.03 | 54.00 | -6.97 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5755MHz |

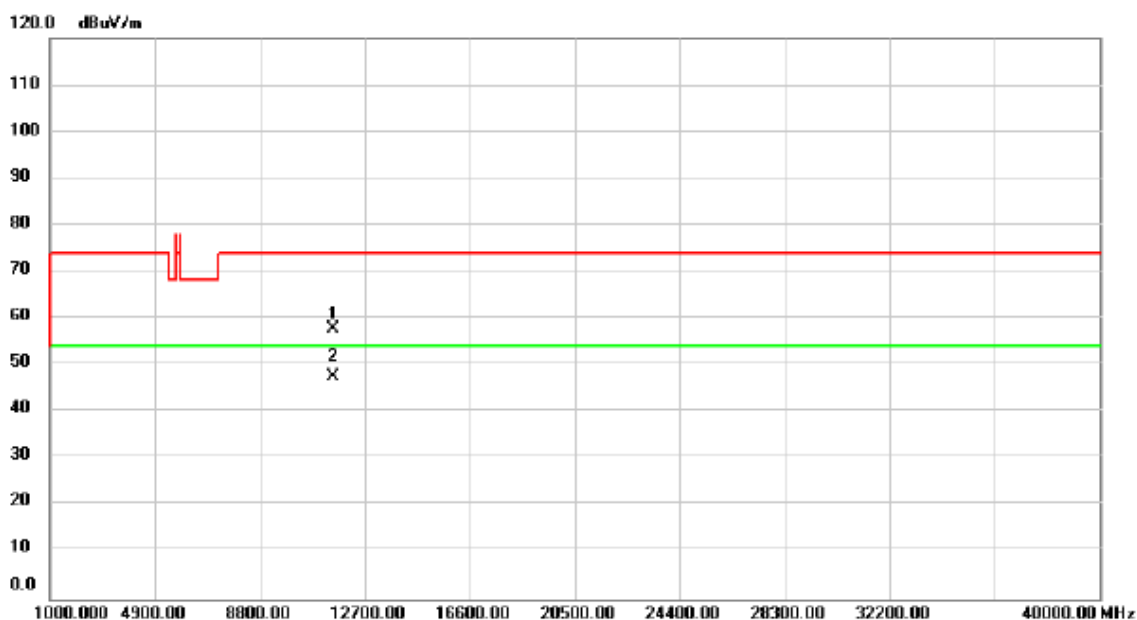
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11590.00 | 18.21 | 40.00 | 58.21 | 74.00 | -15.79 | peak | |
| 2 | * | 11590.00 | 8.16 | 40.00 | 48.16 | 54.00 | -5.84 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5795MHz |

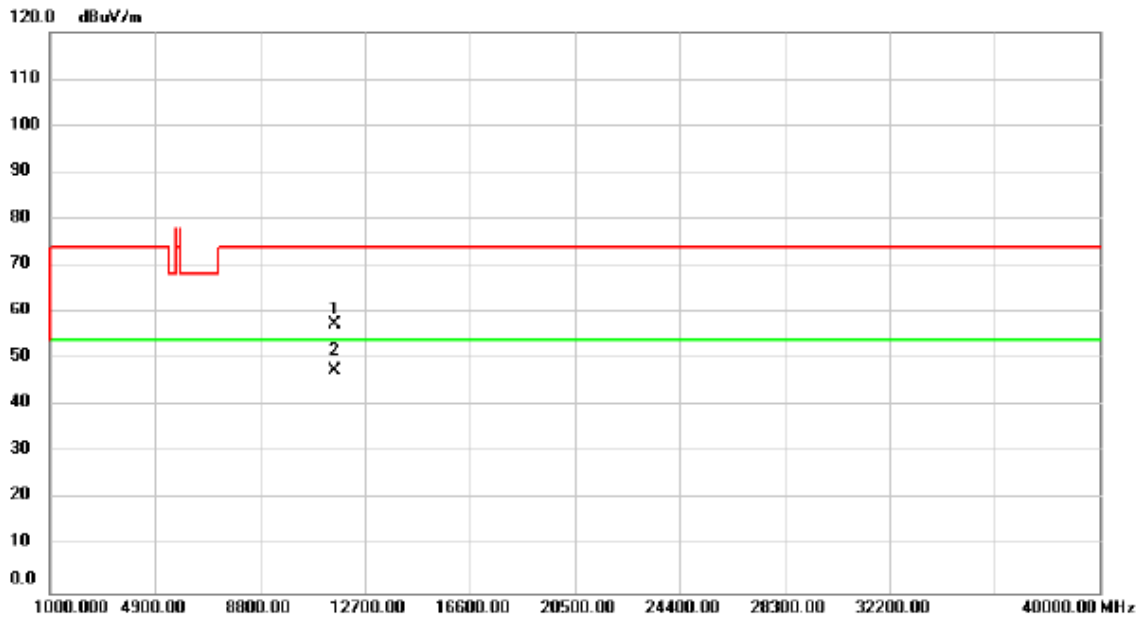
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11510.00 | 17.62 | 40.18 | 57.80 | 74.00 | -16.20 | peak | |
| 2 | * | 11510.00 | 7.46 | 40.18 | 47.64 | 54.00 | -6.36 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5795MHz |

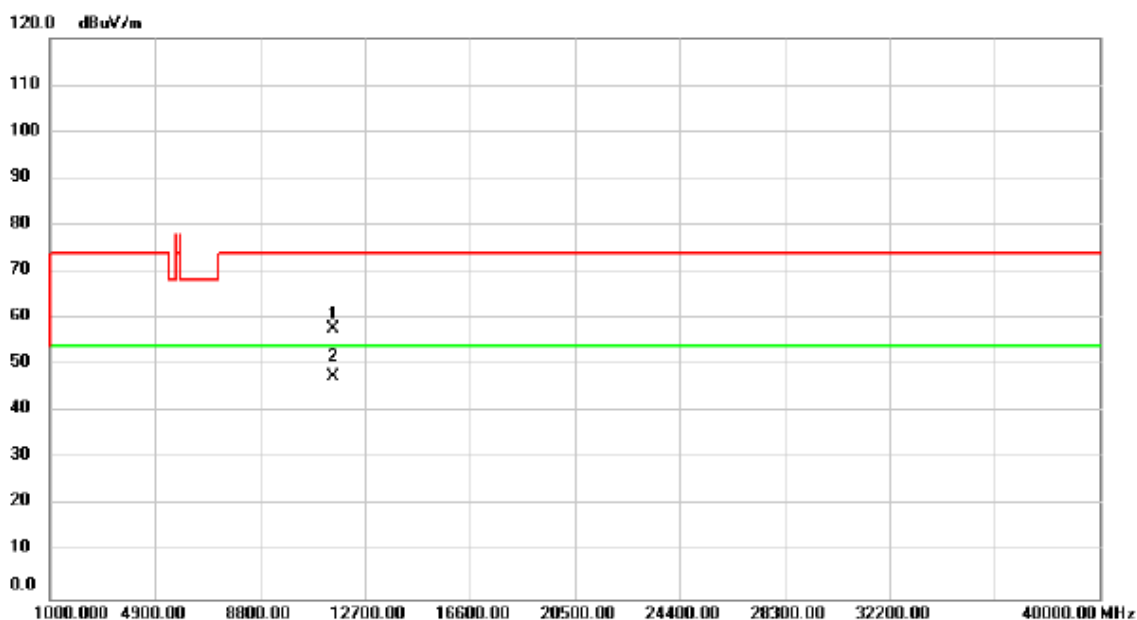
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11590.00 | 17.41 | 40.00 | 57.41 | 74.00 | -16.59 | peak | |
| 2 | * | 11590.00 | 7.46 | 40.00 | 47.46 | 54.00 | -6.54 | AVG | |

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|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX AC80 Mode 5775MHz |

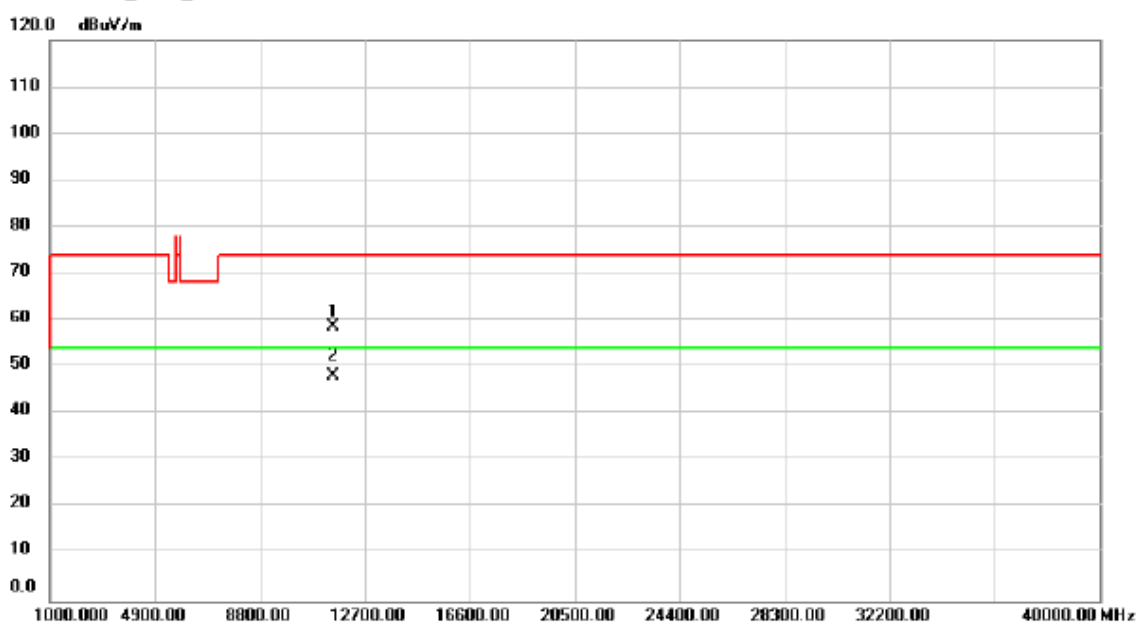
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11550.00 | 17.59 | 40.09 | 57.68 | 74.00 | -16.32 | peak | |
| 2 | * | 11550.00 | 7.59 | 40.09 | 47.68 | 54.00 | -6.32 | AVG | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX AC80 Mode 5775MHz |

Horizontal

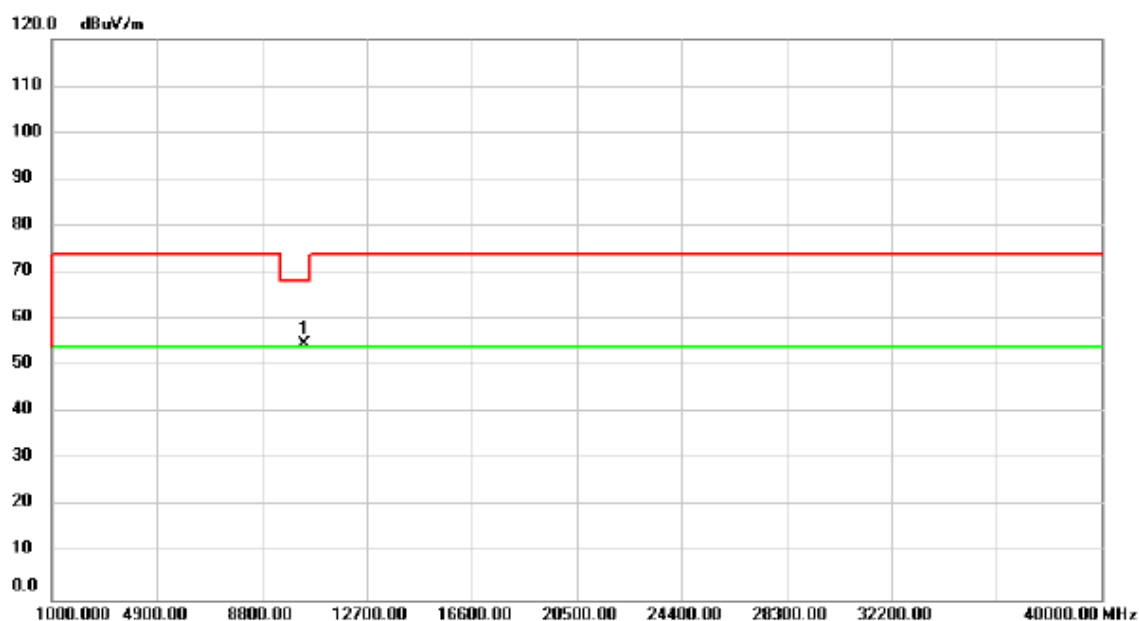


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11550.00 | 18.44 | 40.09 | 58.53 | 74.00 | -15.47 | peak | |
| 2 | * | 11550.00 | 8.12 | 40.09 | 48.21 | 54.00 | -5.79 | AVG | |

Beamforming

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5180MHz |

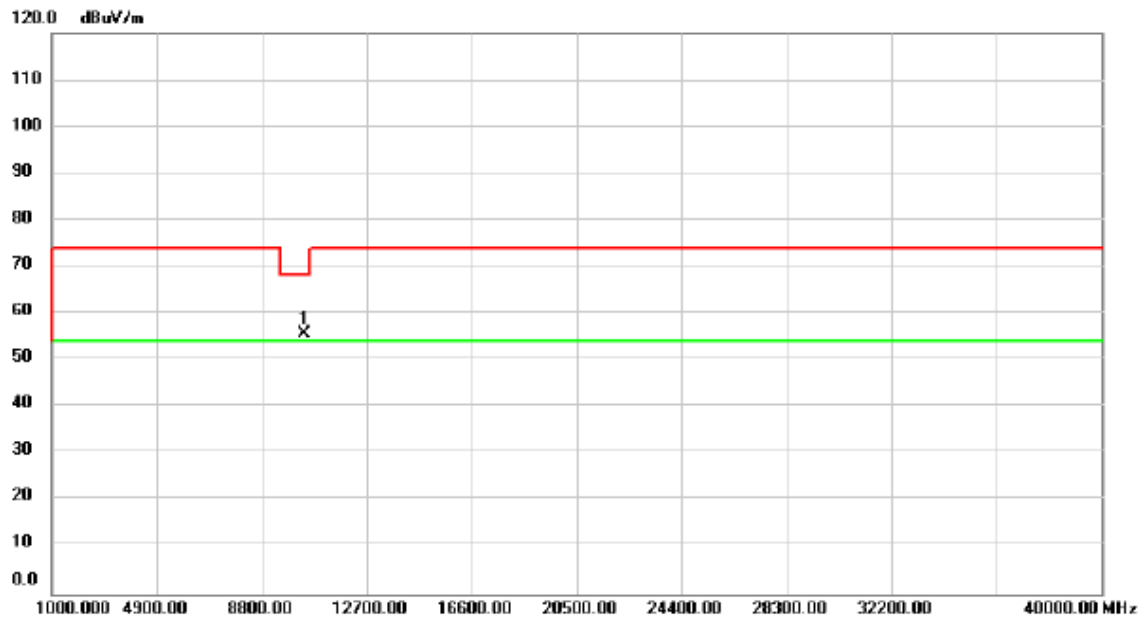
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10360.00 | 15.28 | 39.43 | 54.71 | 68.20 | -13.49 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5180MHz |

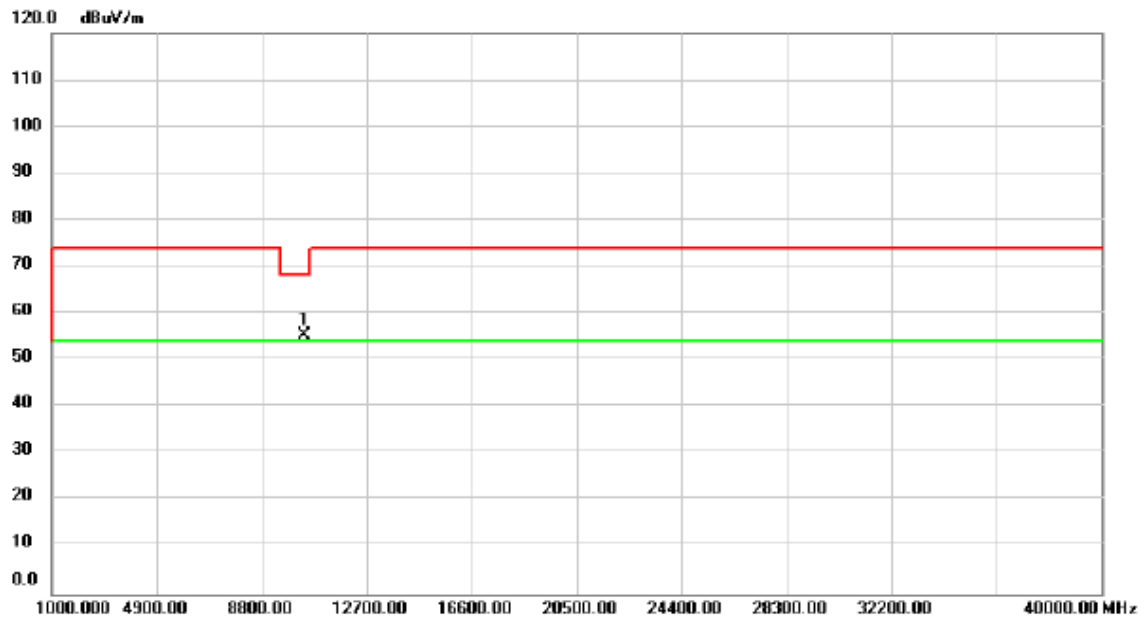
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10360.00 | 16.28 | 39.43 | 55.71 | 68.20 | -12.49 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5200MHz |

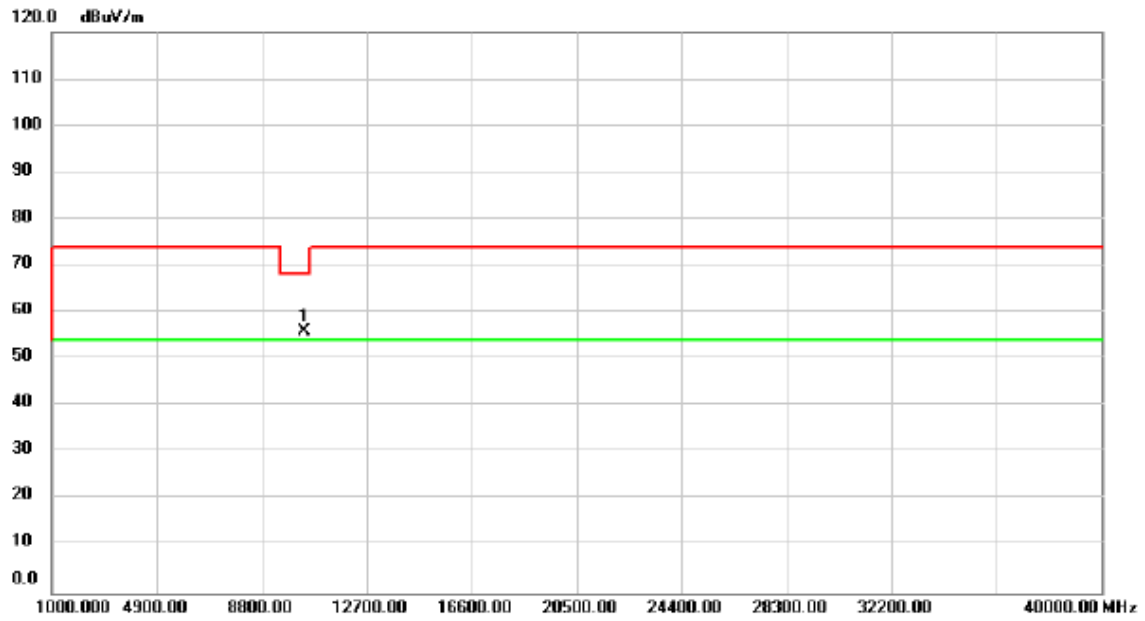
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10400.00 | 15.73 | 39.48 | 55.21 | 68.20 | -12.99 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5200MHz |

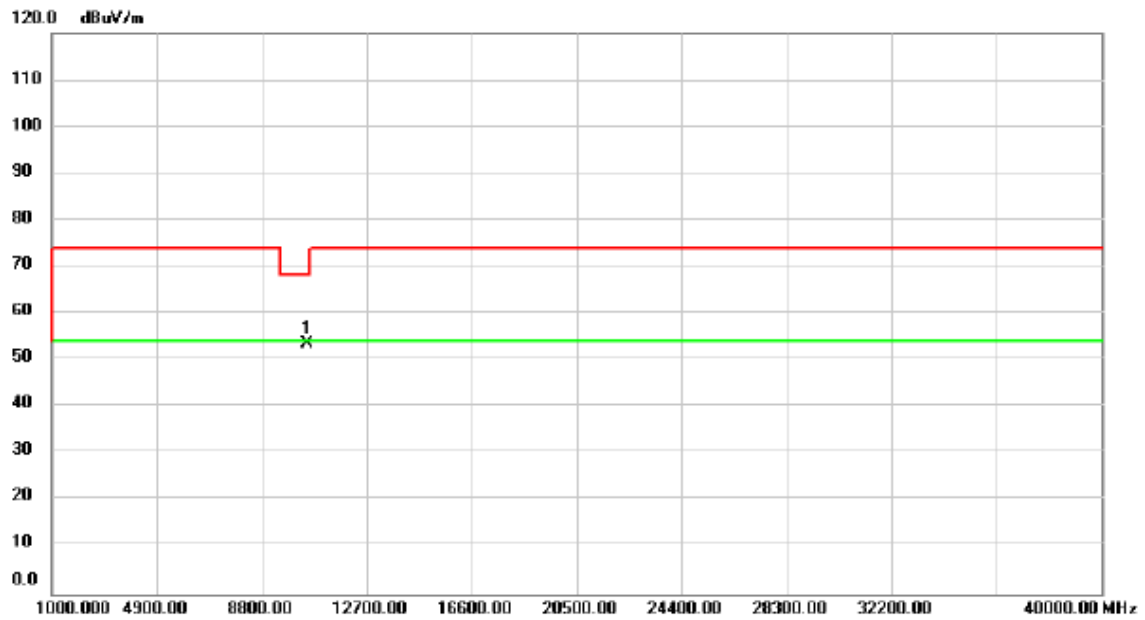
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10400.00 | 16.39 | 39.48 | 55.87 | 68.20 | -12.33 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5240MHz |

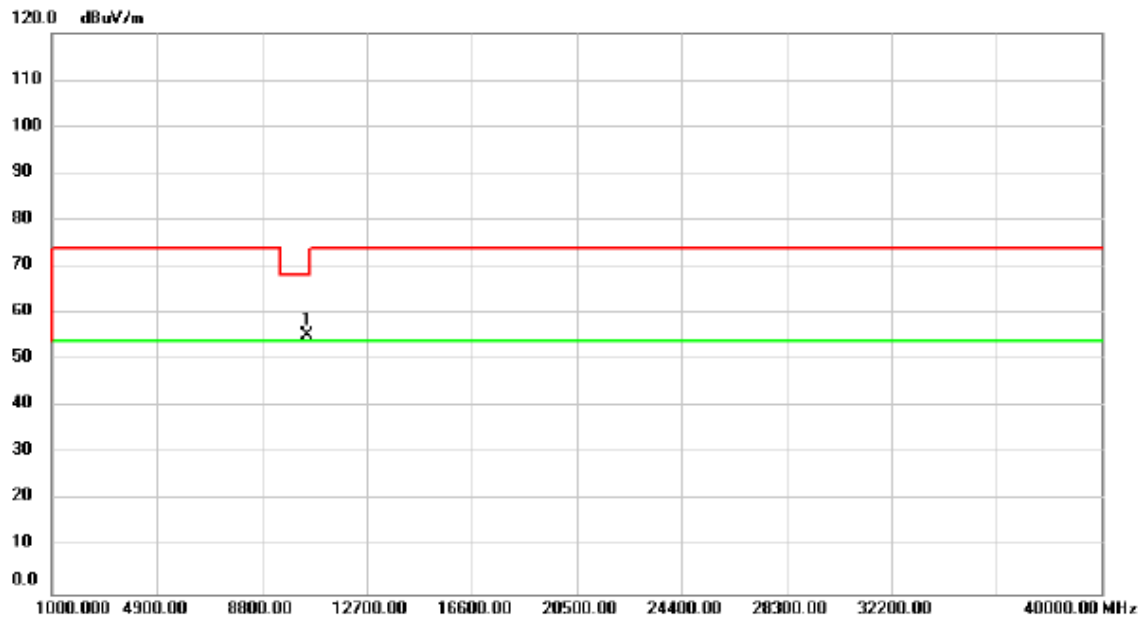
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10480.00 | 13.89 | 39.58 | 53.47 | 68.20 | -14.73 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5240MHz |

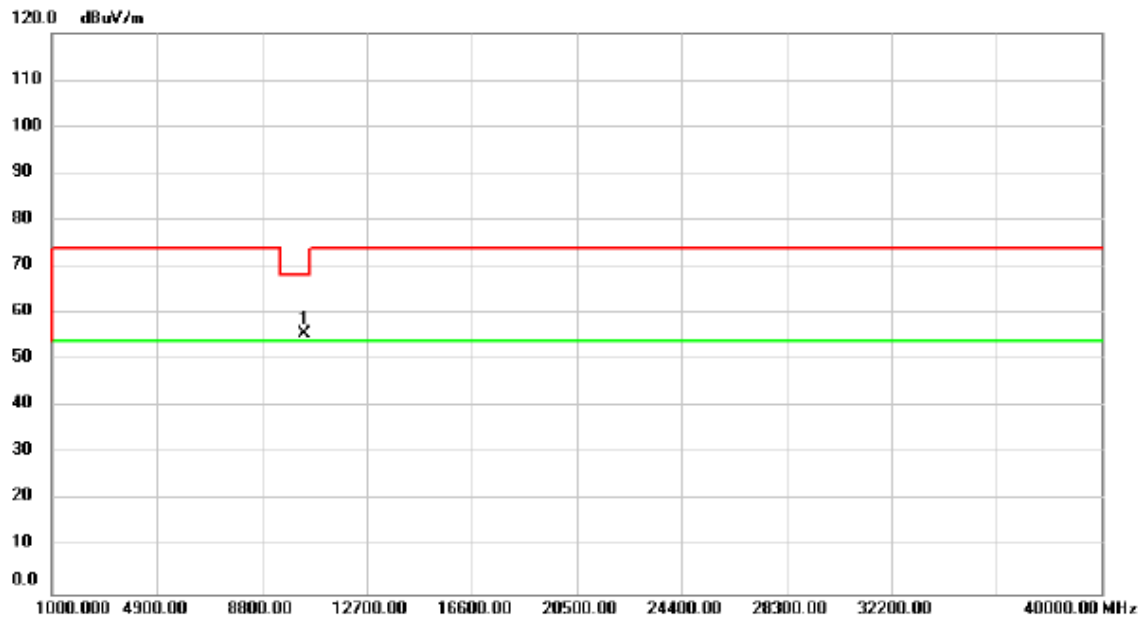
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10480.00 | 15.82 | 39.58 | 55.40 | 68.20 | -12.80 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5190MHz |

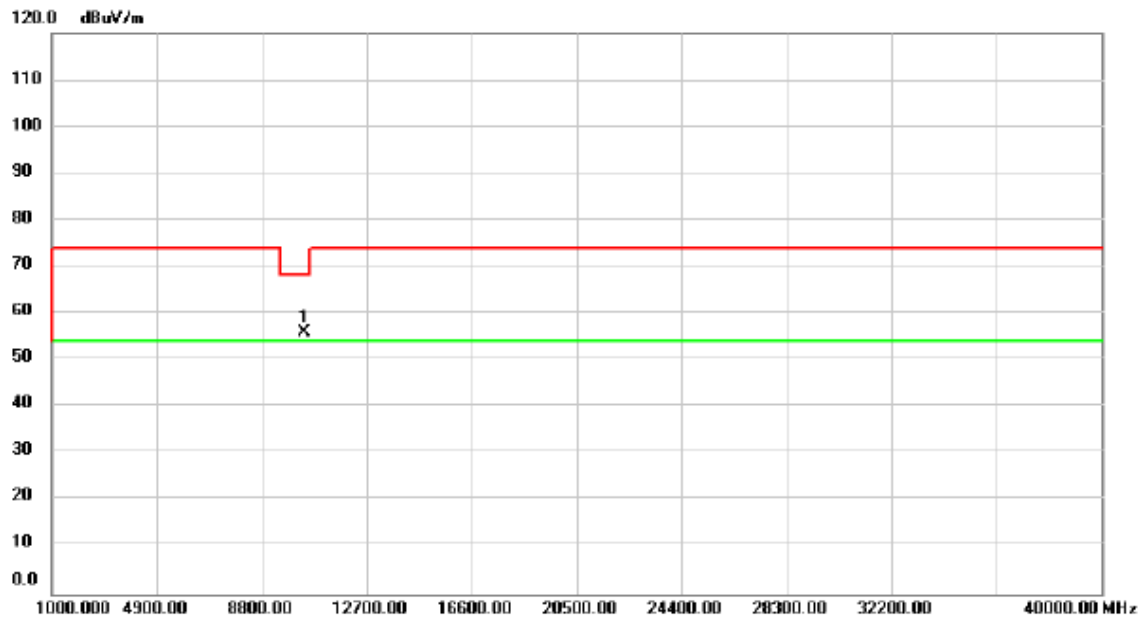
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10380.00 | 16.21 | 39.46 | 55.67 | 68.20 | -12.53 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5190MHz |

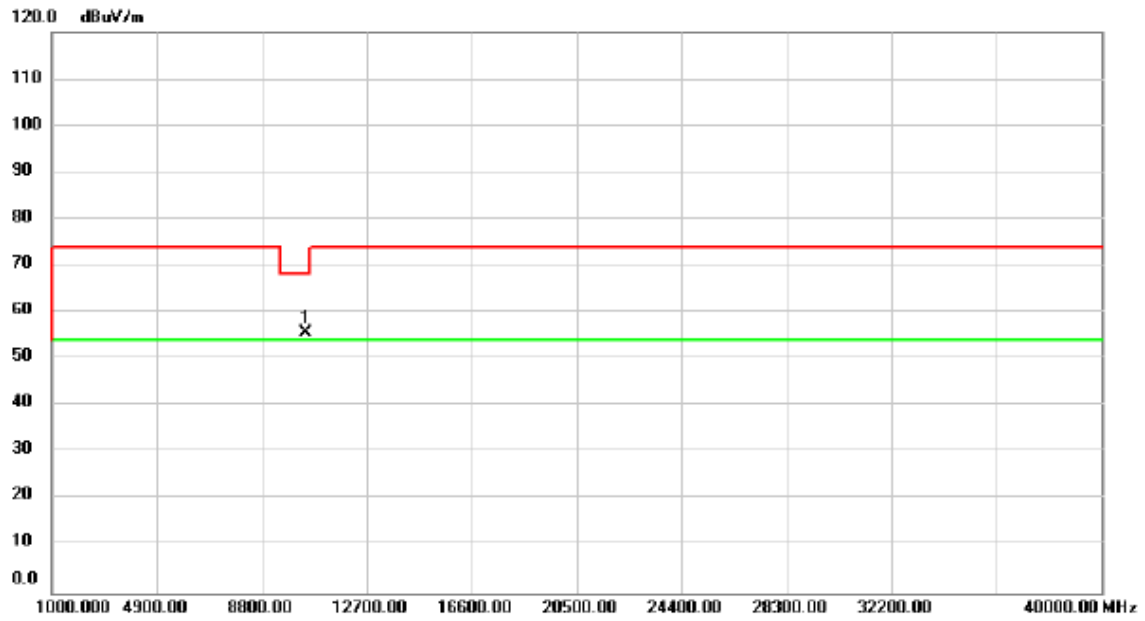
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10380.00 | 16.59 | 39.46 | 56.05 | 68.20 | -12.15 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5230MHz |

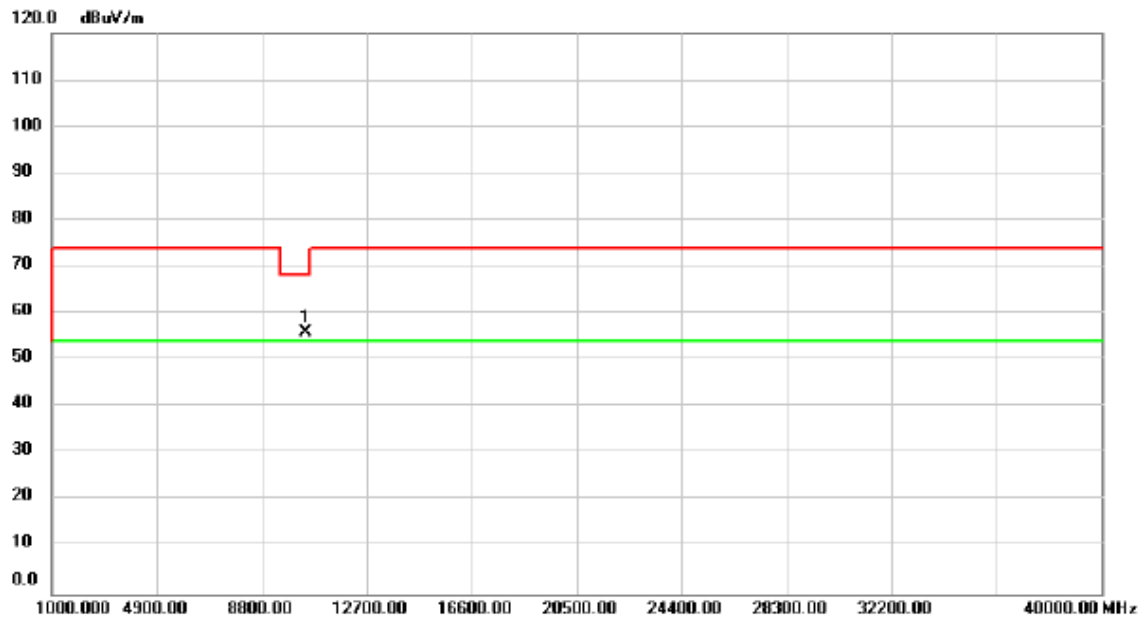
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10460.00 | 16.11 | 39.55 | 55.66 | 68.20 | -12.54 | peak | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5230MHz |

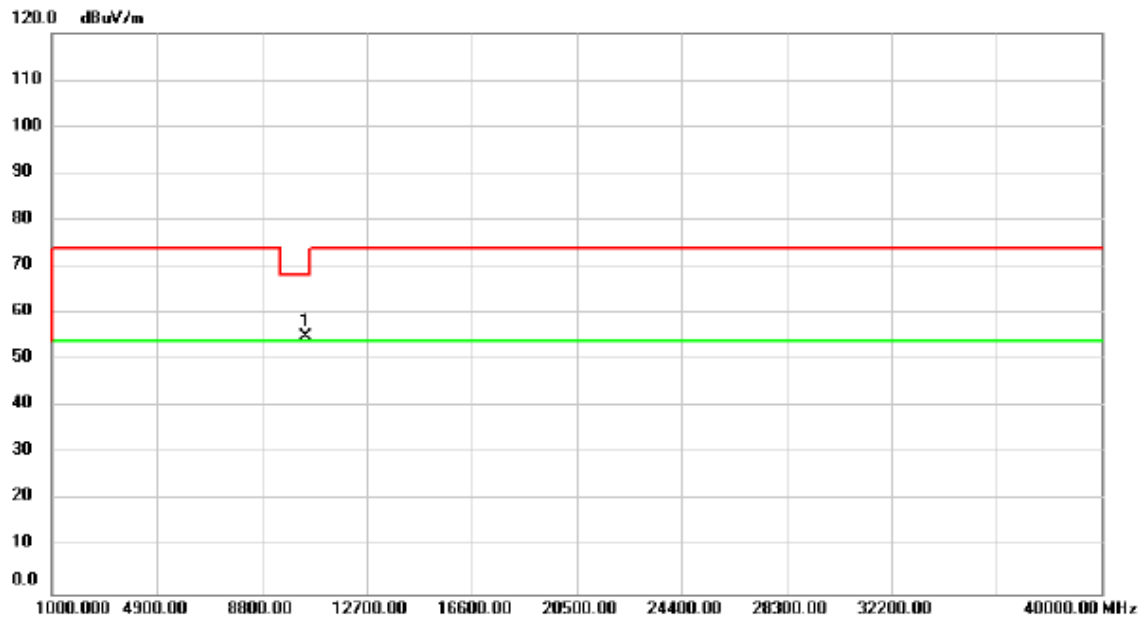
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10460.00 | 16.48 | 39.55 | 56.03 | 68.20 | -12.17 | peak | |

| | |
|------------------|------------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX AC80 Mode 5210MHz |

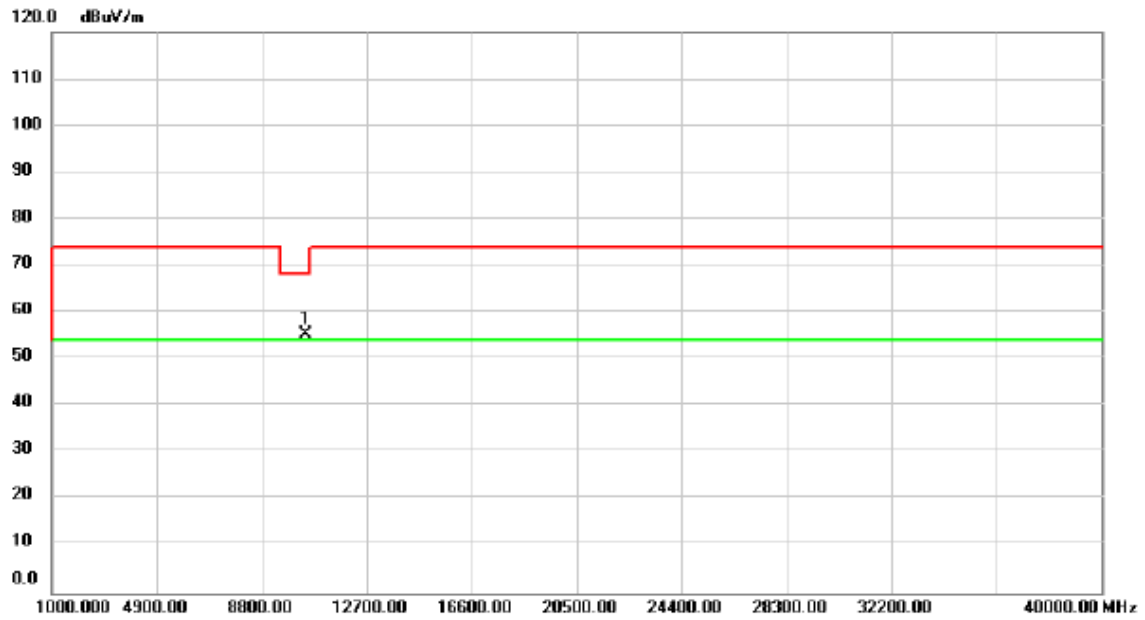
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10420.00 | 15.62 | 39.50 | 55.12 | 68.20 | -13.08 | peak | |

| | |
|------------------|------------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX AC80 Mode 5210MHz |

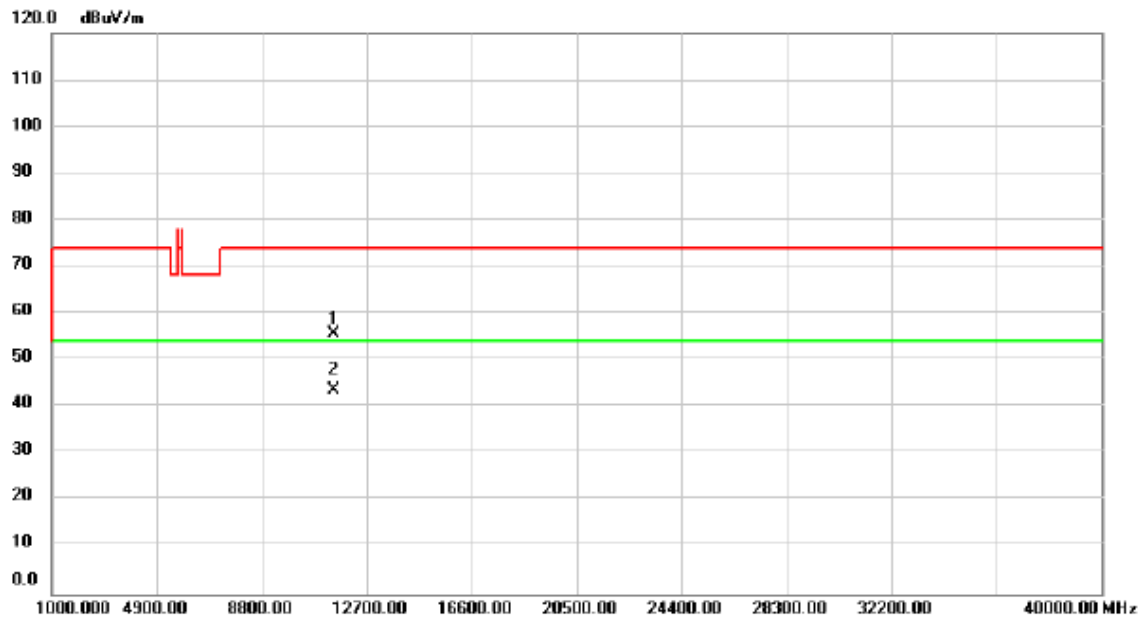
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 10420.00 | 15.99 | 39.50 | 55.49 | 68.20 | -12.71 | peak | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5745MHz |

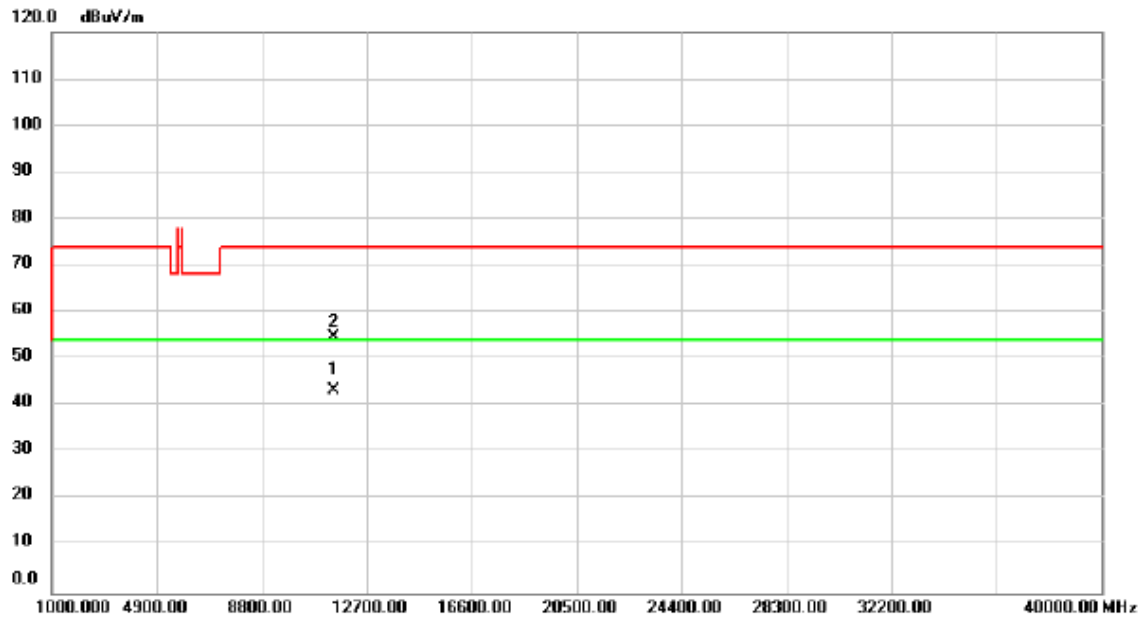
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11490.00 | 15.34 | 40.20 | 55.54 | 74.00 | -18.46 | peak | |
| 2 | * | 11490.00 | 3.53 | 40.20 | 43.73 | 54.00 | -10.27 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5745MHz |

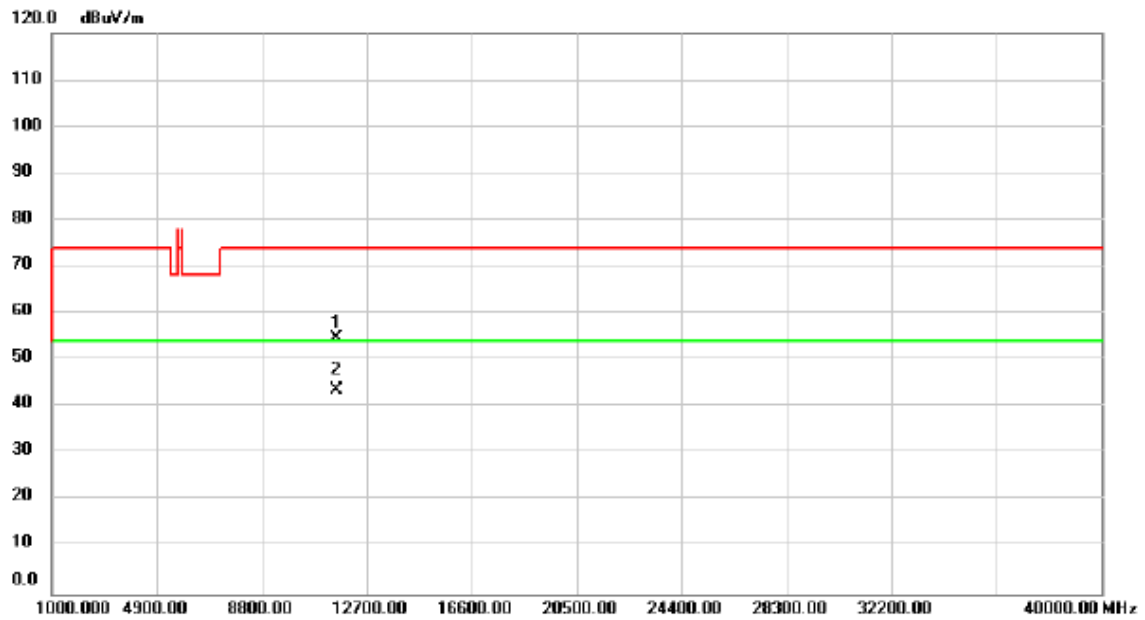
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 11490.00 | 3.00 | 40.20 | 43.20 | 54.00 | -10.80 | AVG | |
| 2 | | 11490.00 | 14.55 | 40.20 | 54.75 | 74.00 | -19.25 | peak | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5785MHz |

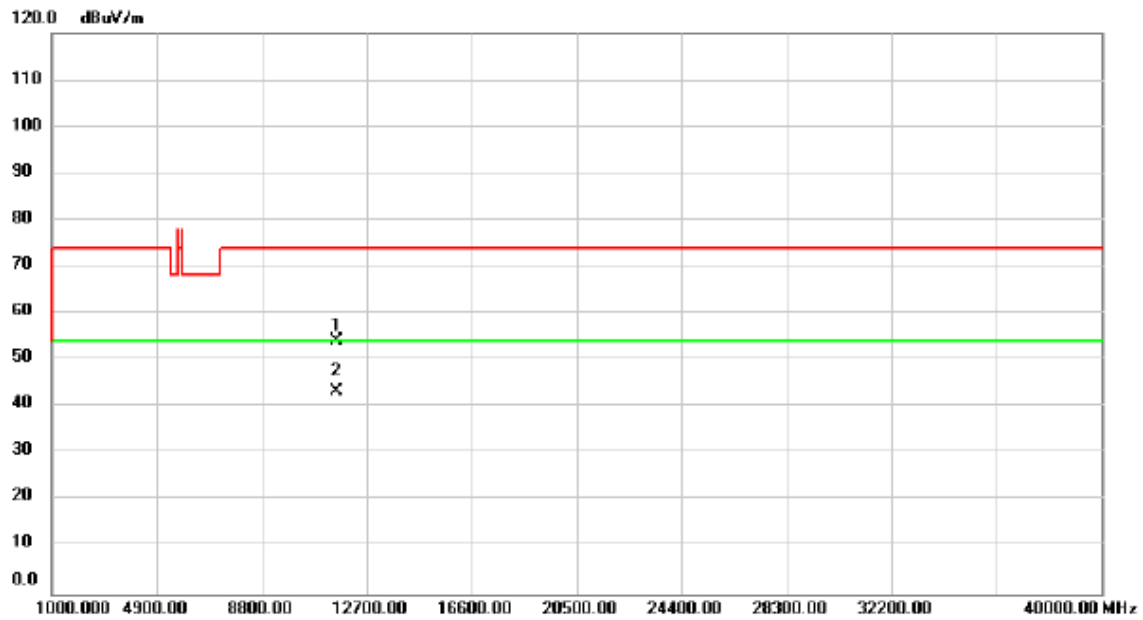
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11570.00 | 14.65 | 40.05 | 54.70 | 74.00 | -19.30 | peak | |
| 2 | * | 11570.00 | 3.60 | 40.05 | 43.65 | 54.00 | -10.35 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5785MHz |

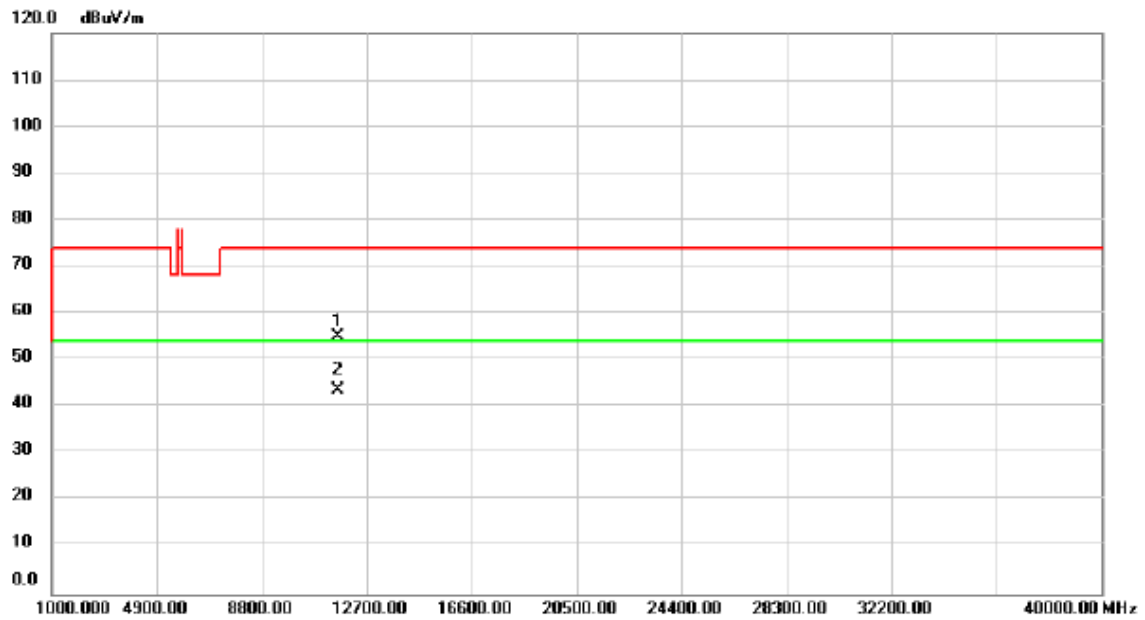
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11570.00 | 13.99 | 40.05 | 54.04 | 74.00 | -19.96 | peak | |
| 2 | * | 11570.00 | 3.40 | 40.05 | 43.45 | 54.00 | -10.55 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5825MHz |

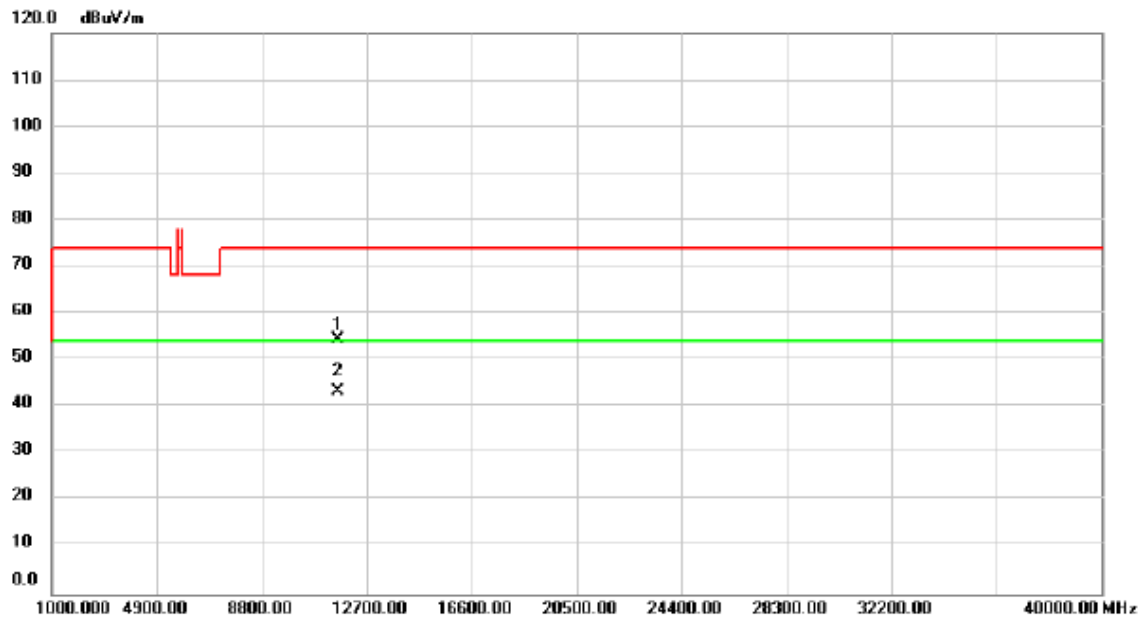
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11650.00 | 15.22 | 39.87 | 55.09 | 74.00 | -18.91 | peak | |
| 2 | * | 11650.00 | 3.69 | 39.87 | 43.56 | 54.00 | -10.44 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5825MHz |

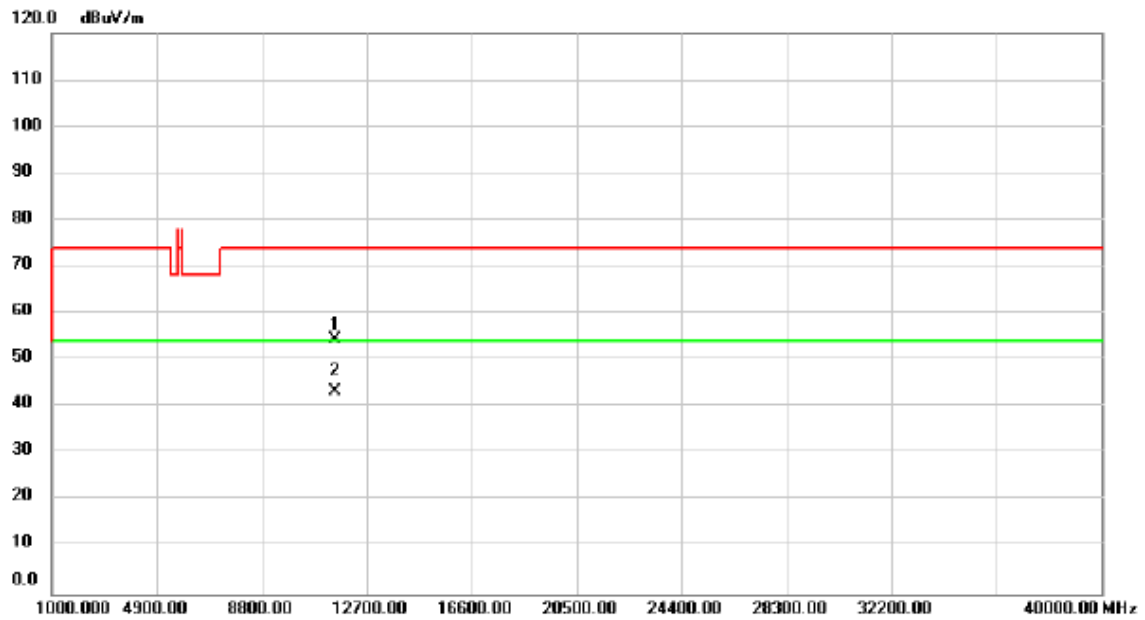
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11650.00 | 14.44 | 39.87 | 54.31 | 74.00 | -19.69 | peak | |
| 2 | * | 11650.00 | 3.58 | 39.87 | 43.45 | 54.00 | -10.55 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5755MHz |

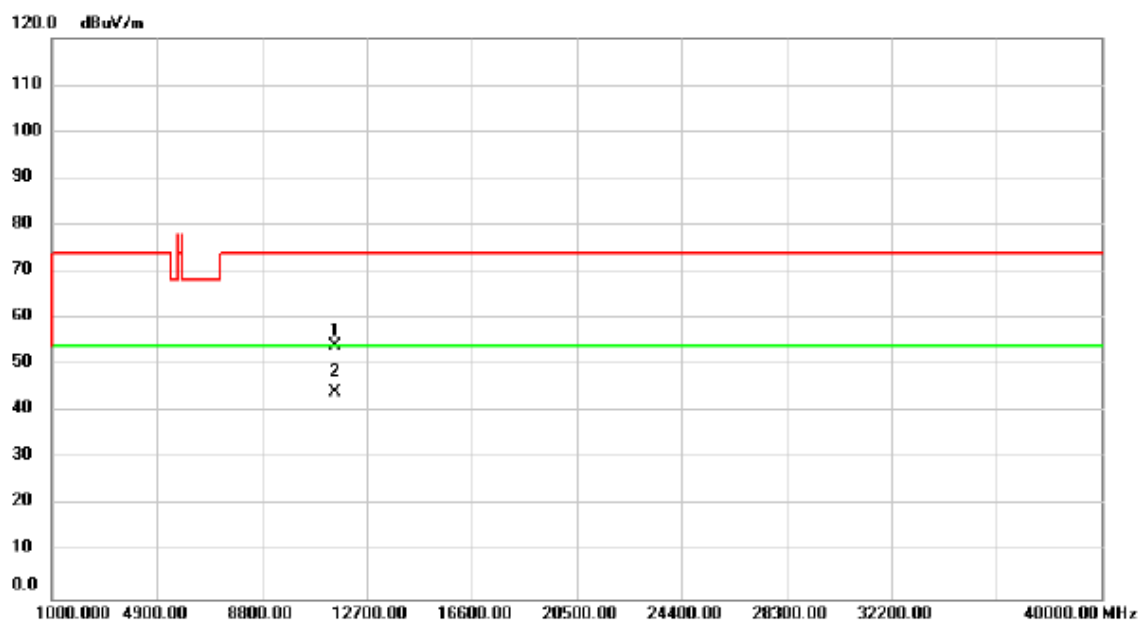
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11510.00 | 14.35 | 40.18 | 54.53 | 74.00 | -19.47 | peak | |
| 2 | * | 11510.00 | 3.23 | 40.18 | 43.41 | 54.00 | -10.59 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5755MHz |

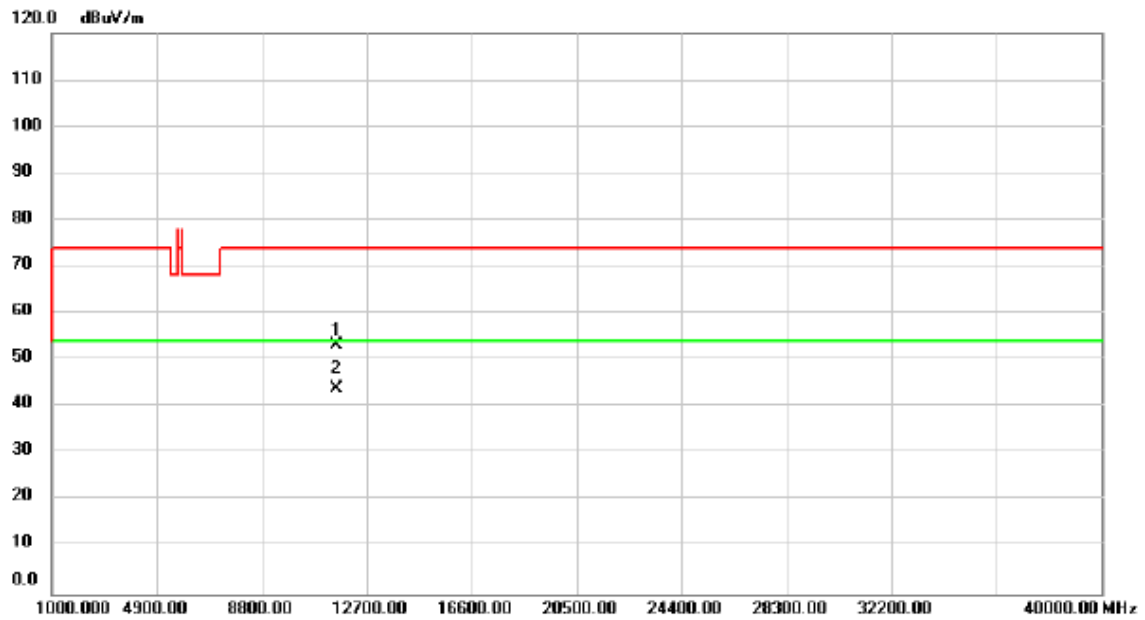
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11510.00 | 14.02 | 40.18 | 54.20 | 74.00 | -19.80 | peak | |
| 2 | * | 11510.00 | 3.93 | 40.18 | 44.11 | 54.00 | -9.89 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5795MHz |

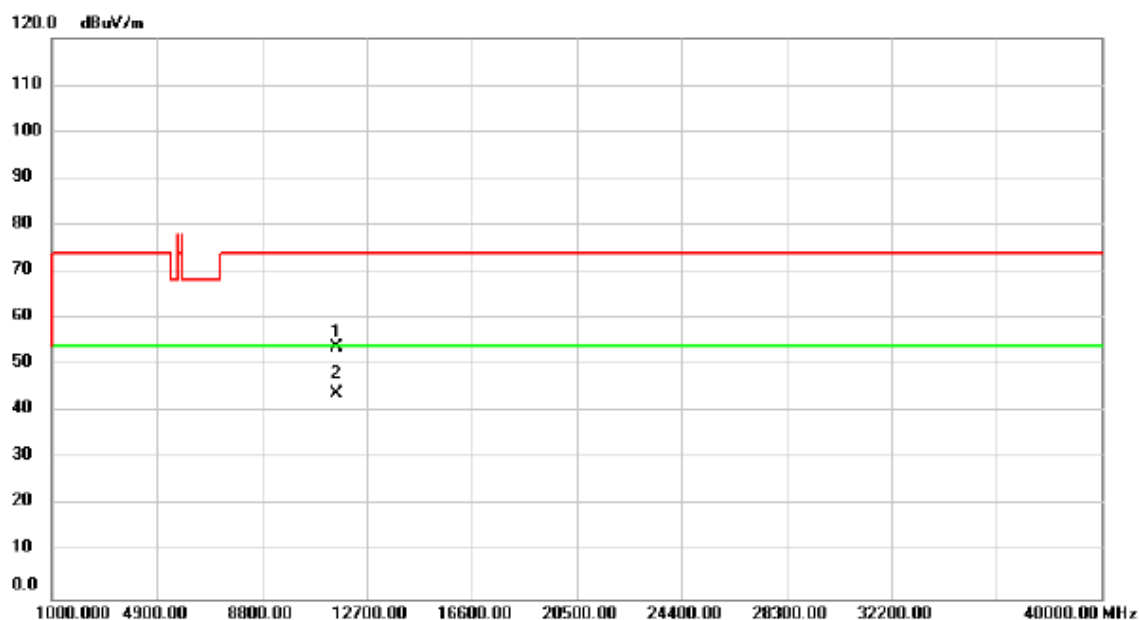
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11590.00 | 13.30 | 40.00 | 53.30 | 74.00 | -20.70 | peak | |
| 2 | * | 11590.00 | 4.05 | 40.00 | 44.05 | 54.00 | -9.95 | AVG | |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5795MHz |

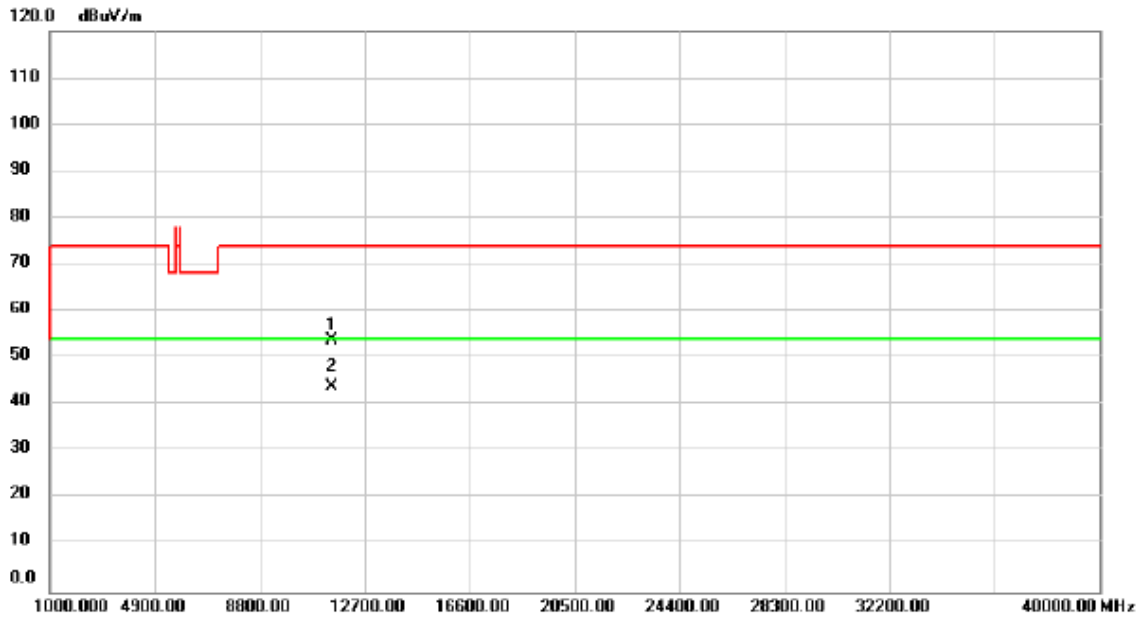
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11590.00 | 13.78 | 40.00 | 53.78 | 74.00 | -20.22 | peak | |
| 2 | * | 11590.00 | 3.82 | 40.00 | 43.82 | 54.00 | -10.18 | AVG | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX AC80 Mode 5775MHz |

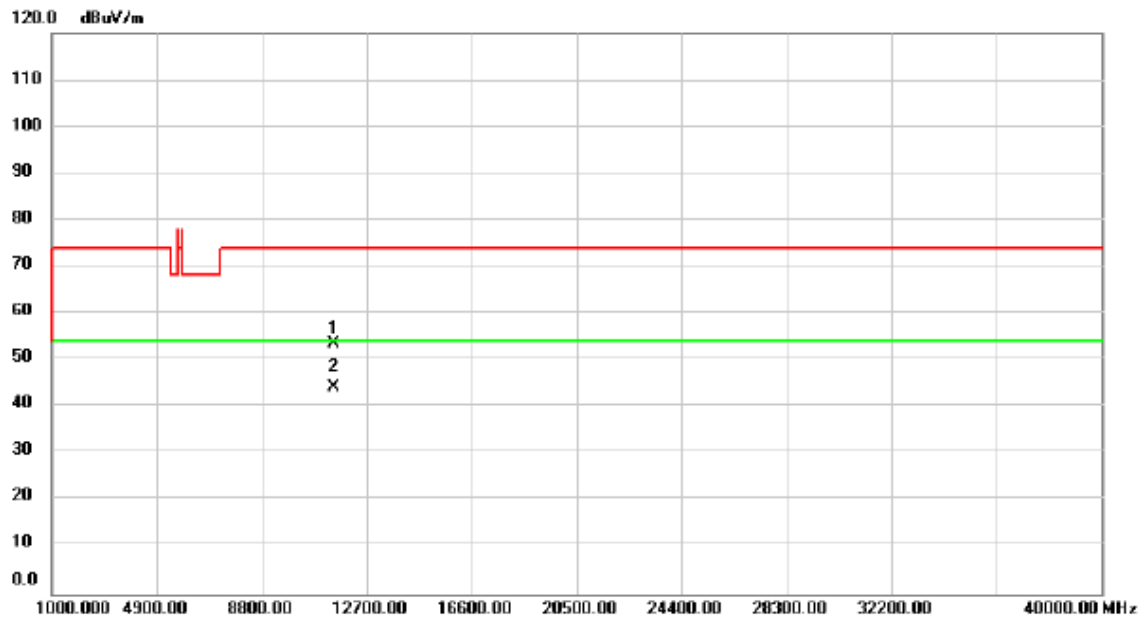
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11500.00 | 13.54 | 40.20 | 53.74 | 74.00 | -20.26 | peak | |
| 2 | * | 11500.00 | 3.82 | 40.20 | 44.02 | 54.00 | -9.98 | AVG | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX AC80 Mode 5775MHz |

Horizontal



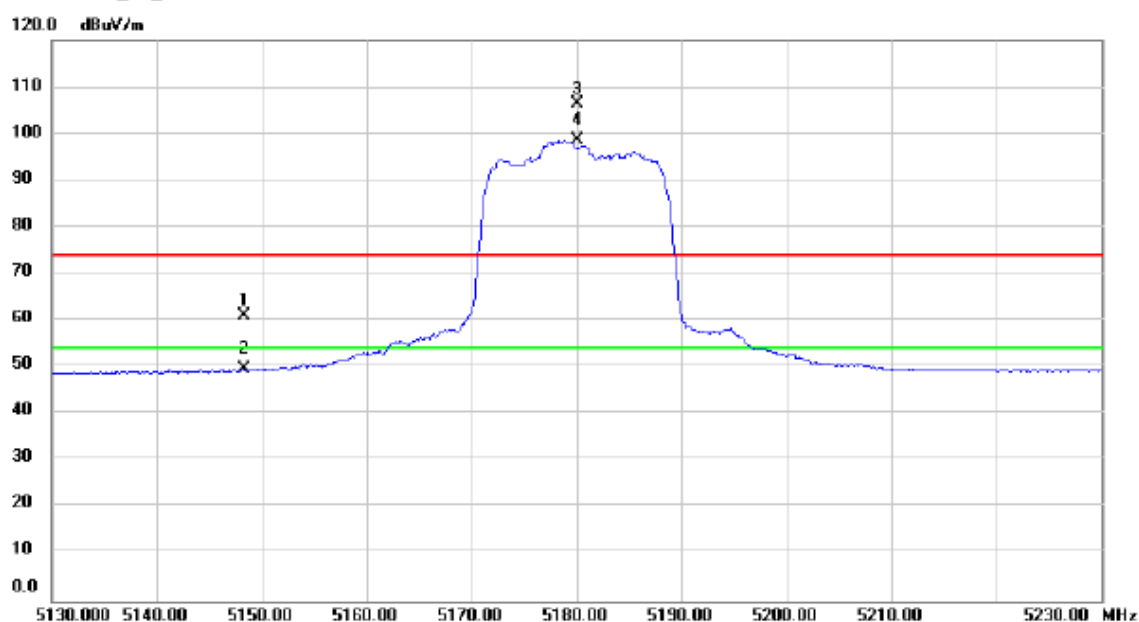
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 11500.00 | 13.45 | 40.20 | 53.65 | 74.00 | -20.35 | peak | |
| 2 | * | 11500.00 | 4.04 | 40.20 | 44.24 | 54.00 | -9.76 | AVG | |

ATTACHMENT E - BAND EDGE AND FUNDAMENTAL EMISSIONS

Non-Beamforming

| | |
|------------------|---------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX A Mode 5180MHz |

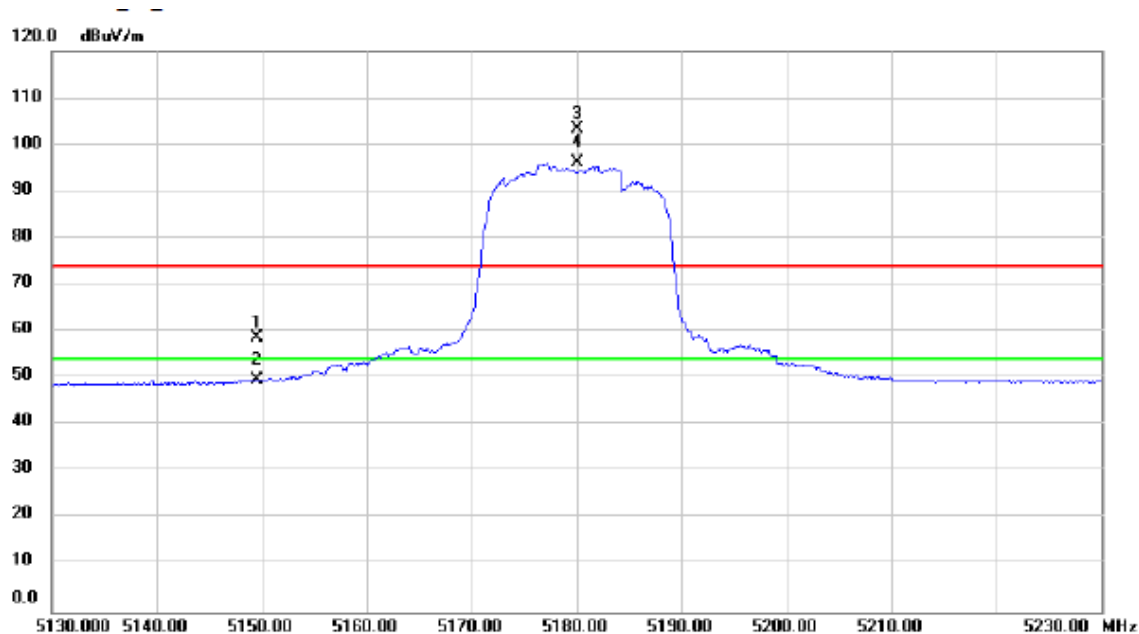
Vertical



| No. | Mk. | Freq. | Reading | Correct | Measure- | Limit | Margin | | |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|-----------|
| | | MHz | Level | Factor | ment | | | Detector | Comment |
| | | | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5148.400 | 28.00 | 32.97 | 60.97 | 74.00 | -13.03 | peak | Band Edge |
| 2 | | 5148.400 | 16.56 | 32.97 | 49.53 | 54.00 | -4.47 | AVG | Band Edge |
| 3 | X | 5180.000 | 73.40 | 32.96 | 106.36 | 74.00 | 32.36 | peak | No Limit |
| 4 | * | 5180.000 | 65.53 | 32.96 | 98.49 | 54.00 | 44.49 | AVG | No Limit |

| | |
|------------------|---------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX A Mode 5180MHz |

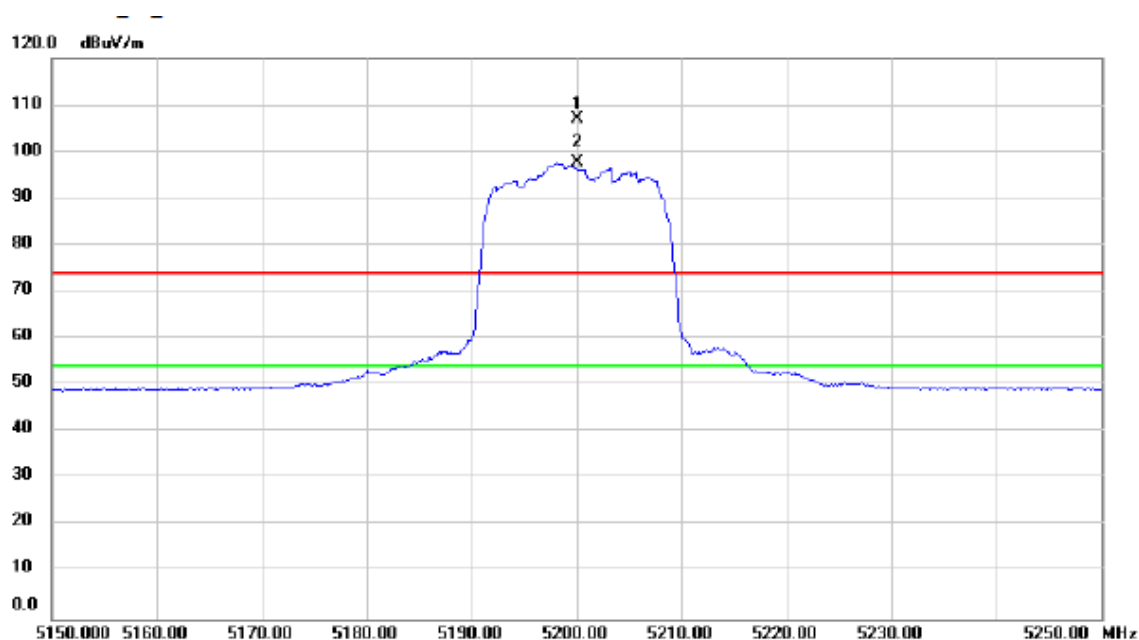
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|-----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5149.500 | 25.82 | 32.97 | 58.79 | 74.00 | -15.21 | peak | Band Edge |
| 2 | | 5149.500 | 16.79 | 32.97 | 49.76 | 54.00 | -4.24 | AVG | Band Edge |
| 3 | X | 5180.000 | 70.51 | 32.96 | 103.47 | 74.00 | 29.47 | peak | No Limit |
| 4 | * | 5180.000 | 63.21 | 32.96 | 96.17 | 54.00 | 42.17 | AVG | No Limit |

| | |
|------------------|---------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX A Mode 5200MHz |

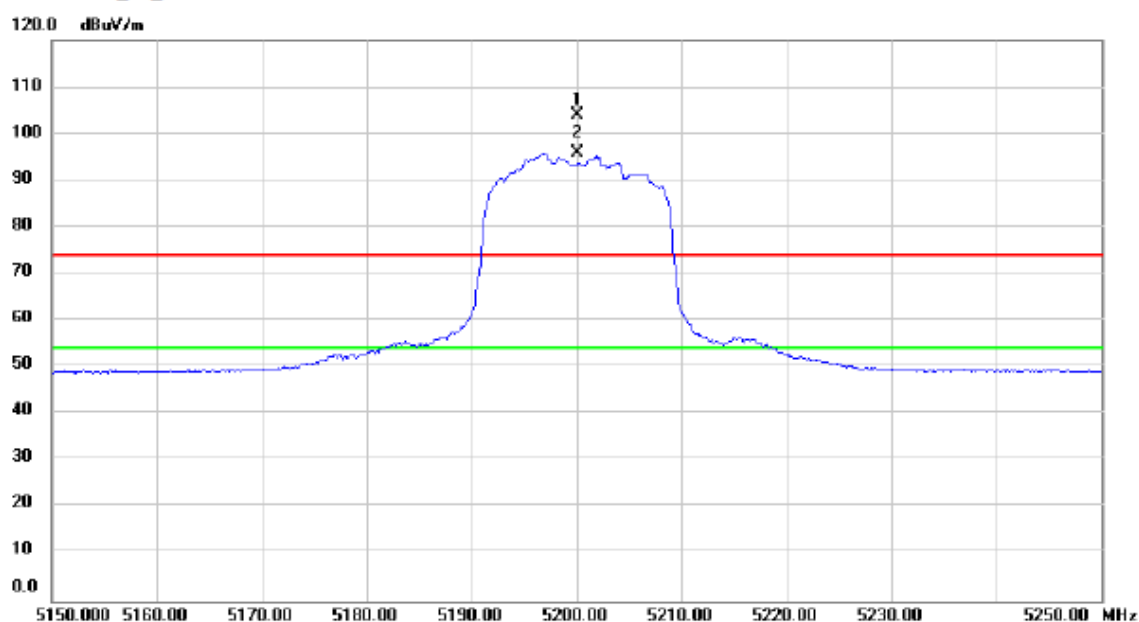
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5200.000 | 73.94 | 32.96 | 106.90 | 74.00 | 32.90 | peak | No Limit |
| 2 | * | 5200.000 | 64.59 | 32.96 | 97.55 | 54.00 | 43.55 | AVG | No Limit |

| | |
|------------------|---------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX A Mode 5200MHz |

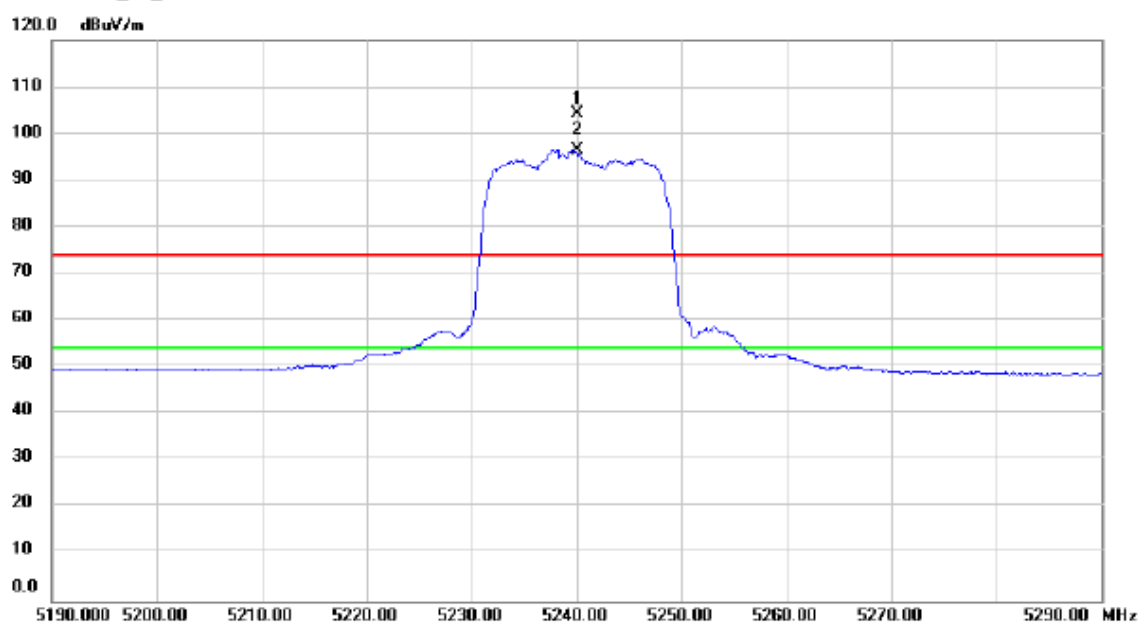
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5200.000 | 71.01 | 32.96 | 103.97 | 74.00 | 29.97 | peak | No Limit |
| 2 | * | 5200.000 | 62.79 | 32.96 | 95.75 | 54.00 | 41.75 | AVG | No Limit |

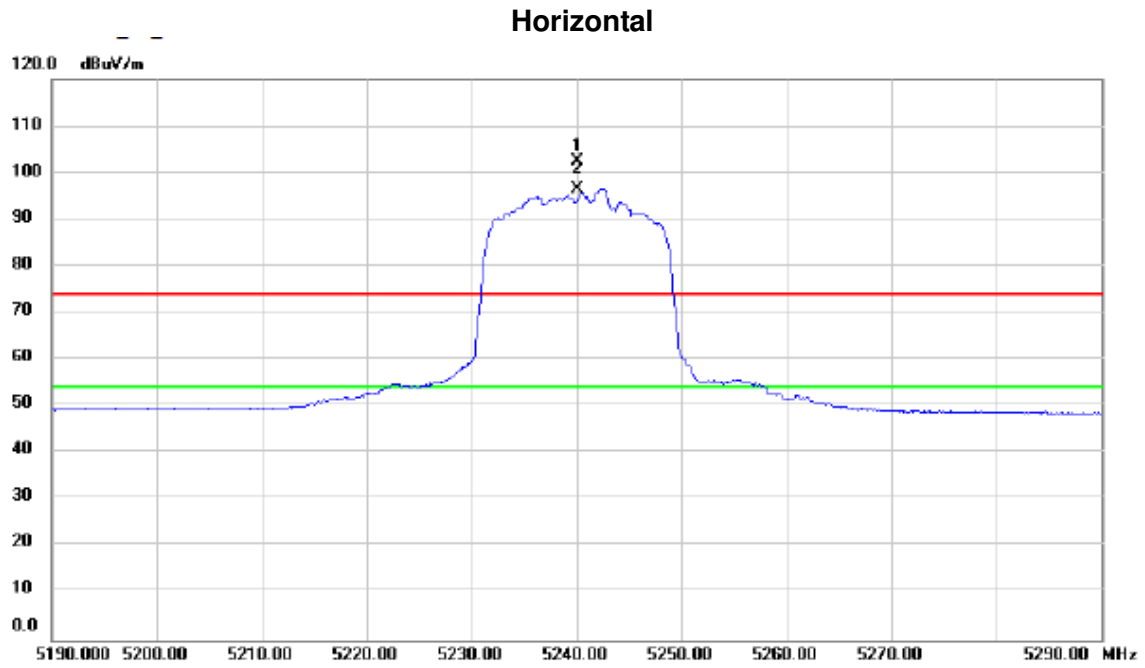
| | |
|------------------|---------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX A Mode 5240MHz |

Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5240.000 | 71.33 | 32.95 | 104.28 | 74.00 | 30.28 | peak | |
| 2 | * | 5240.000 | 63.55 | 32.95 | 96.50 | 54.00 | 42.50 | AVG | |

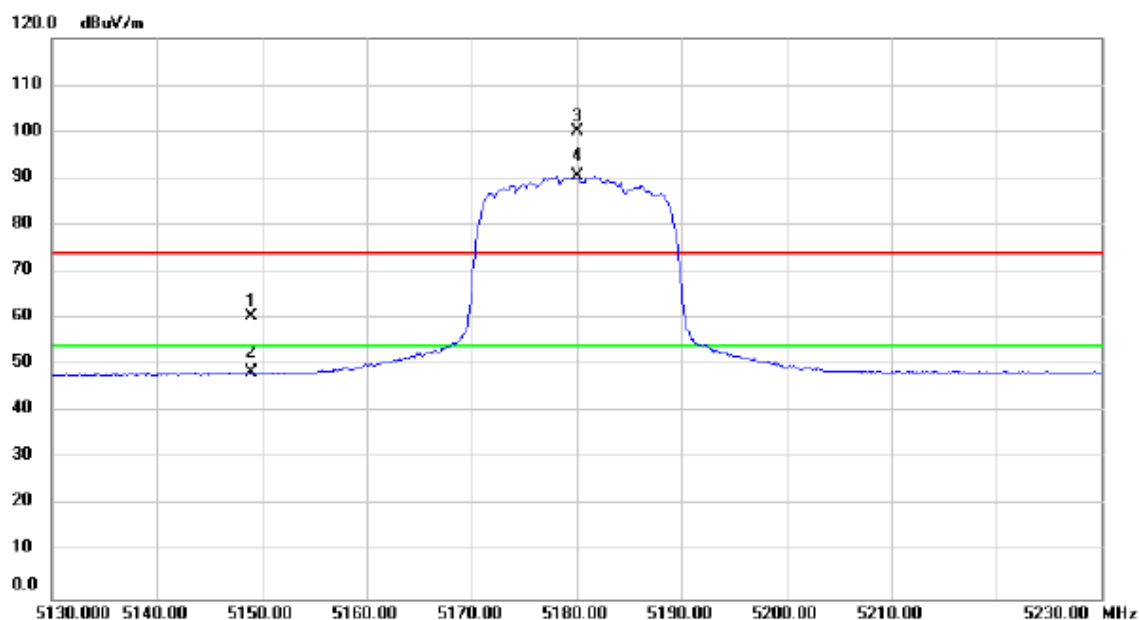
| | |
|------------------|---------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX A Mode 5240MHz |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5240.000 | 69.49 | 32.95 | 102.44 | 74.00 | 28.44 | peak | |
| 2 | * | 5240.000 | 63.52 | 32.95 | 96.47 | 54.00 | 42.47 | AVG | |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5180MHz |

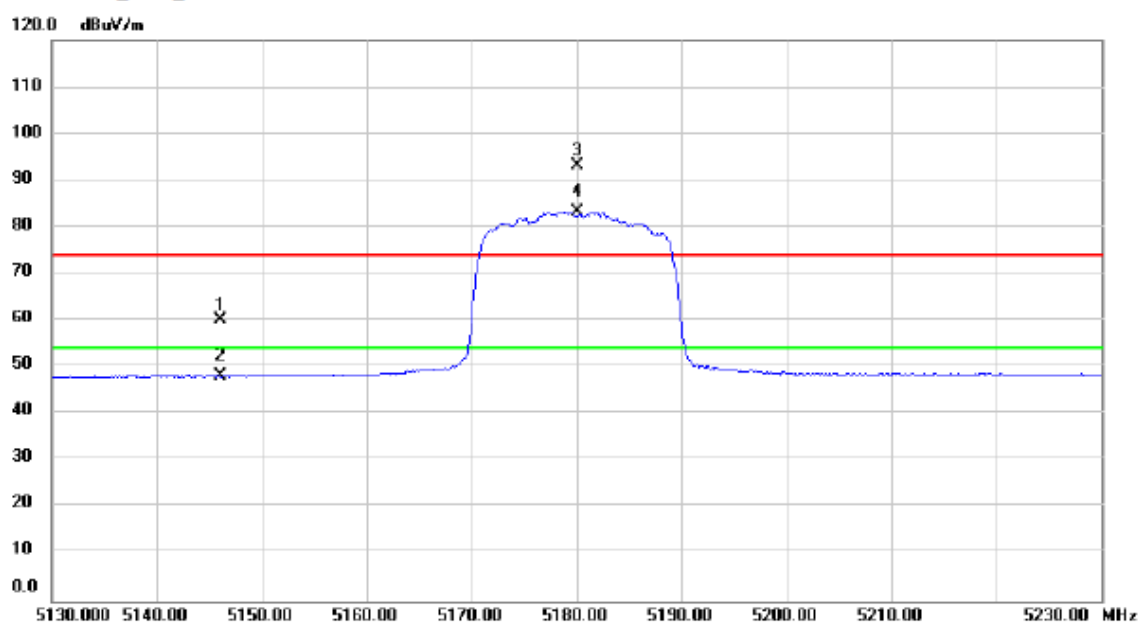
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5149.000 | 29.15 | 31.42 | 60.57 | 74.00 | -13.43 | peak | Band Edge |
| 2 | | 5149.000 | 17.01 | 31.42 | 48.43 | 54.00 | -5.57 | AVG | Band Edge |
| 3 | X | 5180.000 | 68.73 | 31.44 | 100.17 | 74.00 | 26.17 | peak | No Limit |
| 4 | * | 5180.000 | 59.13 | 31.44 | 90.57 | 54.00 | 36.57 | AVG | No Limit |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5180MHz |

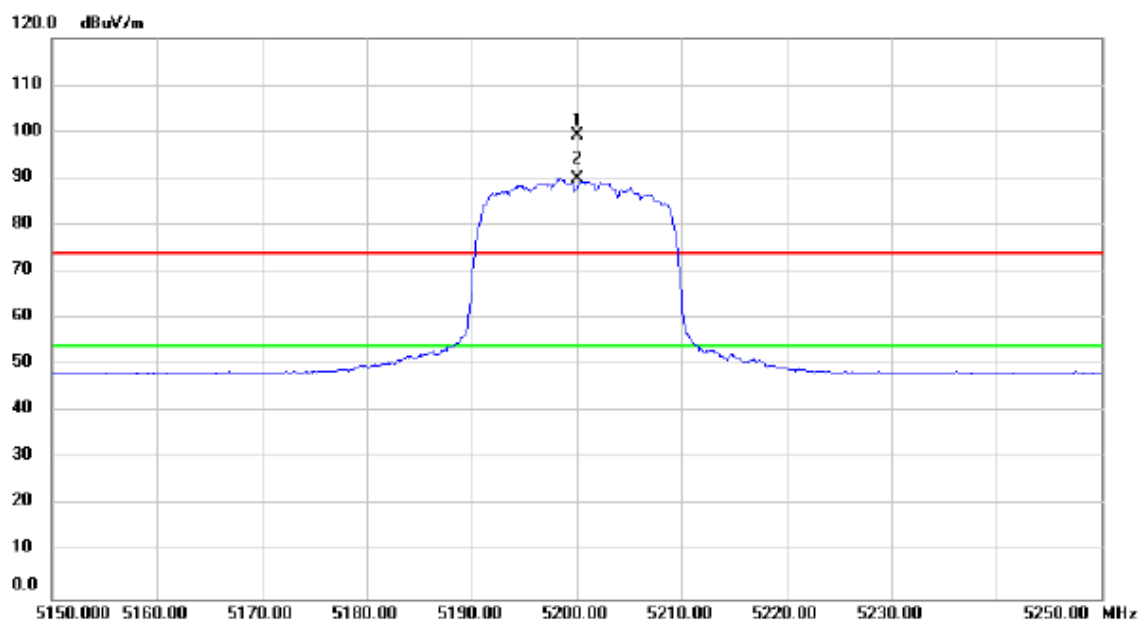
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5146.000 | 28.82 | 31.42 | 60.24 | 74.00 | -13.76 | peak | Band Edge |
| 2 | | 5146.000 | 16.68 | 31.42 | 48.10 | 54.00 | -5.90 | AVG | Band Edge |
| 3 | X | 5180.000 | 61.60 | 31.44 | 93.04 | 74.00 | 19.04 | peak | No Limit |
| 4 | * | 5180.000 | 51.82 | 31.44 | 83.26 | 54.00 | 29.26 | AVG | No Limit |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5200MHz |

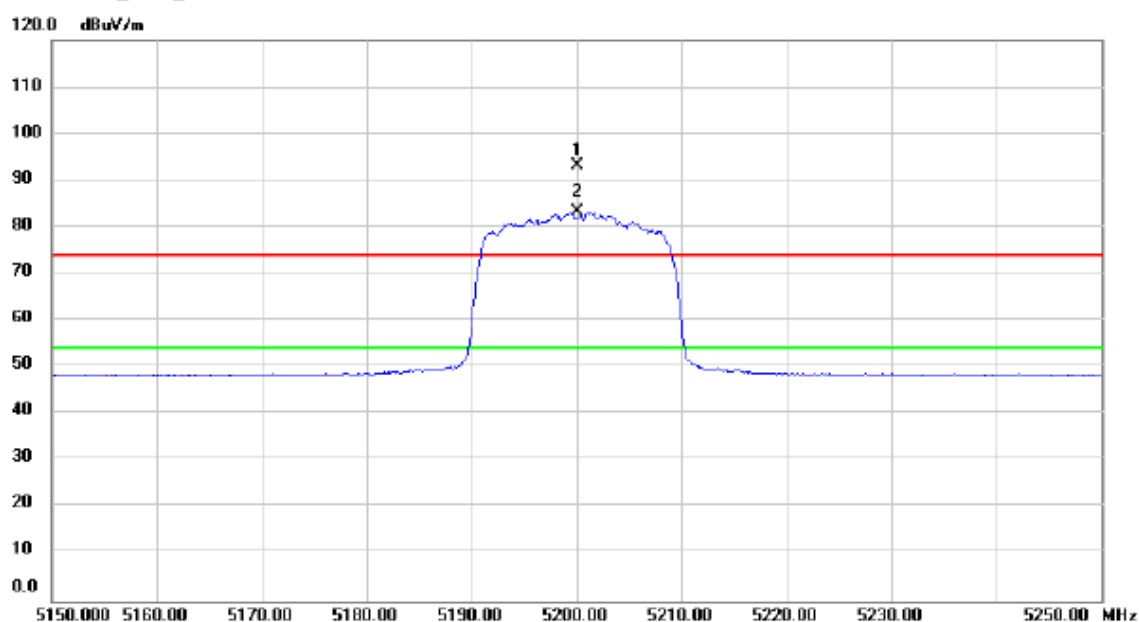
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5200.000 | 67.70 | 31.46 | 99.16 | 74.00 | 25.16 | peak | No Limit |
| 2 | * | 5200.000 | 58.43 | 31.46 | 89.89 | 54.00 | 35.89 | AVG | No Limit |

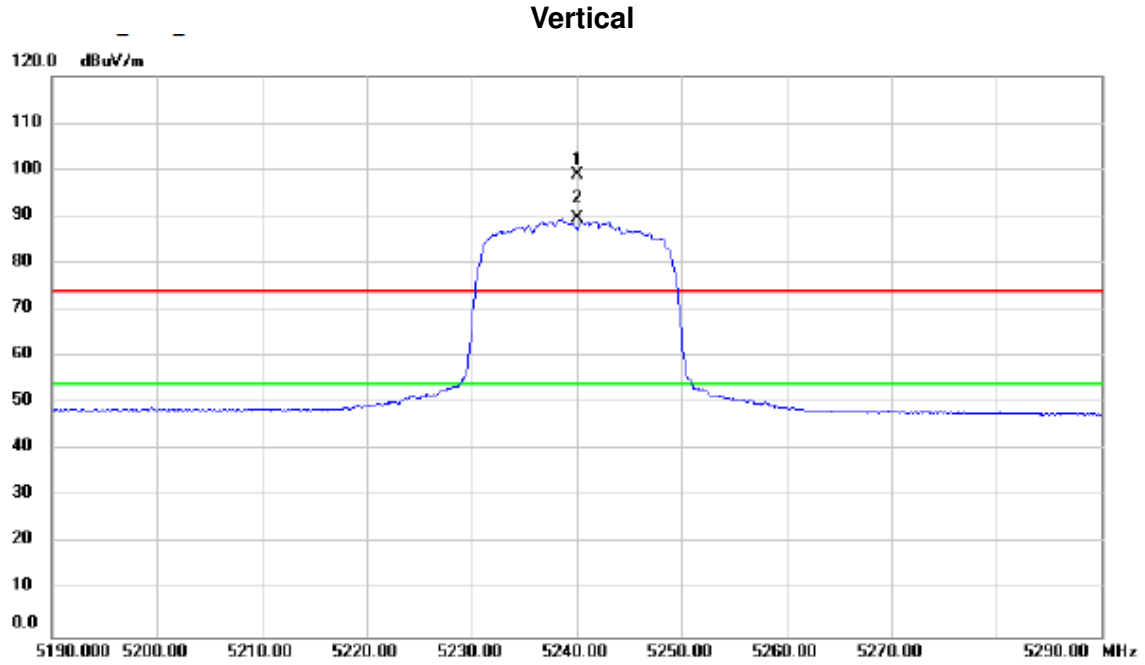
| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5200MHz |

Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5200.000 | 61.63 | 31.46 | 93.09 | 74.00 | 19.09 | peak | No Limit |
| 2 | * | 5200.000 | 51.70 | 31.46 | 83.16 | 54.00 | 29.16 | AVG | No Limit |

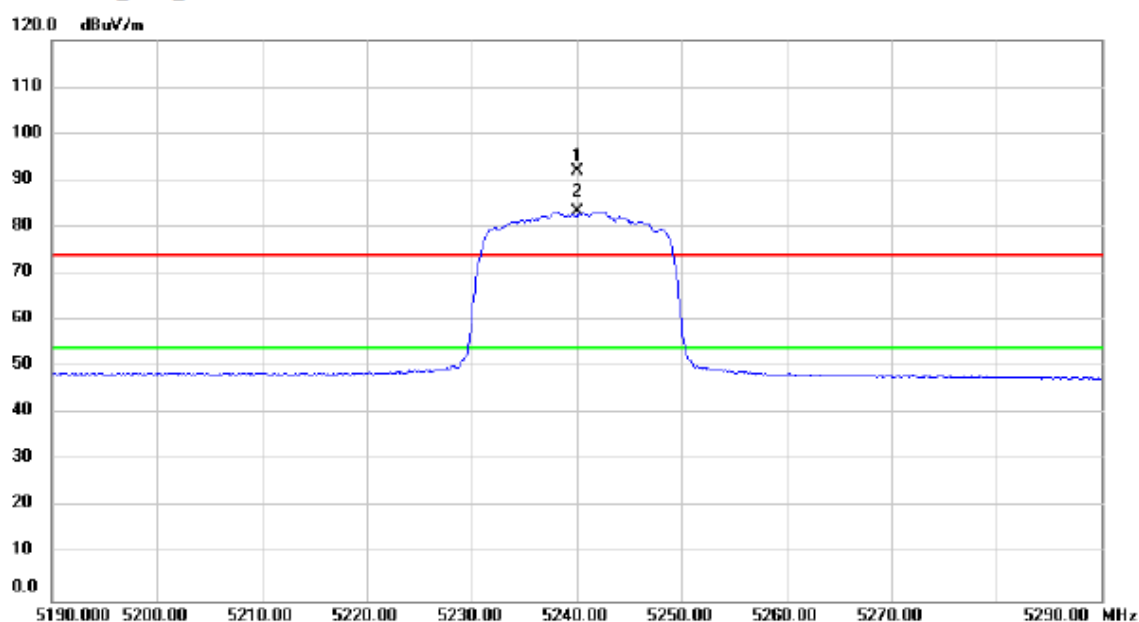
| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5240MHz |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5240.000 | 67.47 | 31.49 | 98.96 | 74.00 | 24.96 | peak | No Limit |
| 2 | * | 5240.000 | 58.11 | 31.49 | 89.60 | 54.00 | 35.60 | AVG | No Limit |

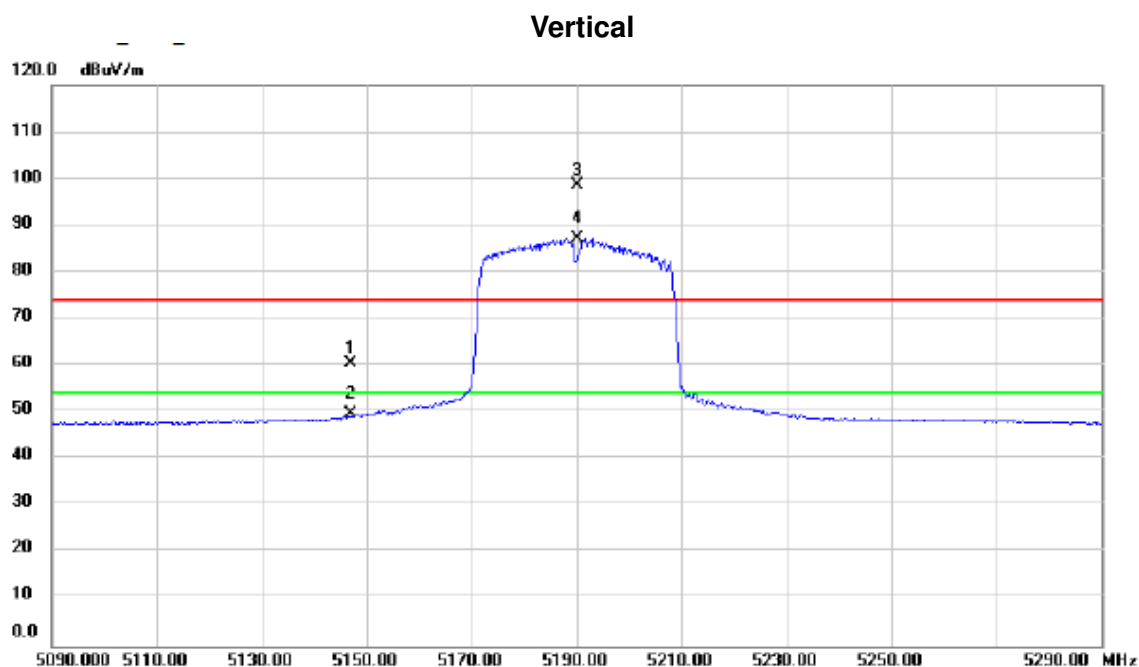
| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5240MHz |

Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5240.000 | 60.57 | 31.49 | 92.06 | 74.00 | 18.06 | peak | No Limit |
| 2 | * | 5240.000 | 51.80 | 31.49 | 83.29 | 54.00 | 29.29 | AVG | No Limit |

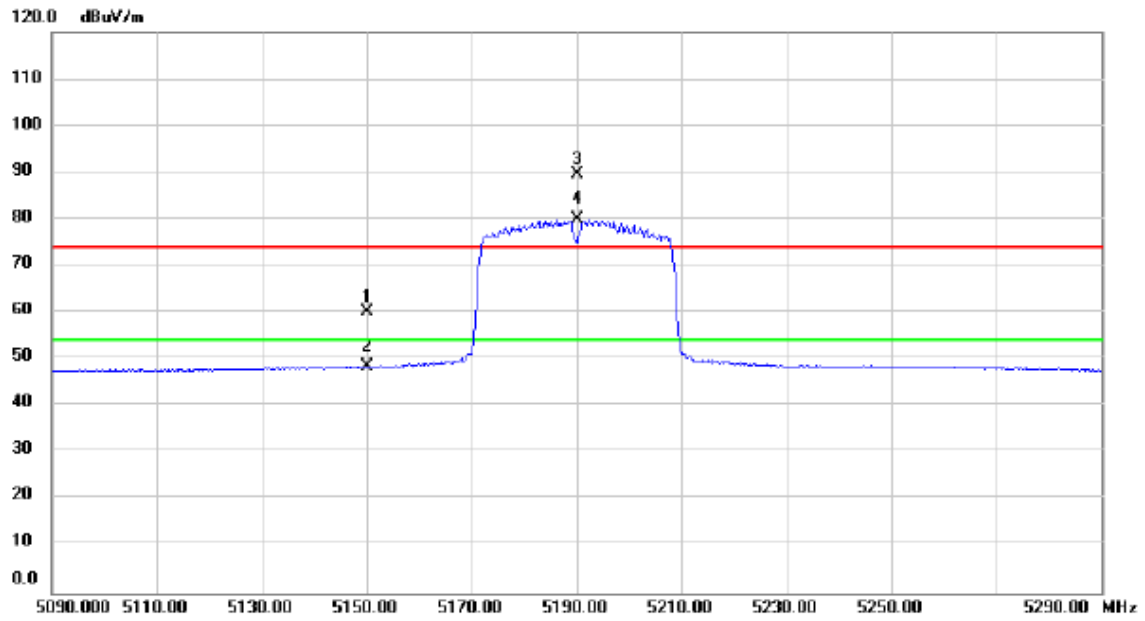
| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5190MHz |



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5147.000 | 29.17 | 31.42 | 60.59 | 74.00 | -13.41 | peak | Band Edge |
| 2 | | 5147.000 | 18.38 | 31.42 | 49.80 | 54.00 | -4.20 | AVG | Band Edge |
| 3 | X | 5190.000 | 67.07 | 31.45 | 98.52 | 74.00 | 24.52 | peak | No Limit |
| 4 | * | 5190.000 | 55.75 | 31.45 | 87.20 | 54.00 | 33.20 | AVG | No Limit |

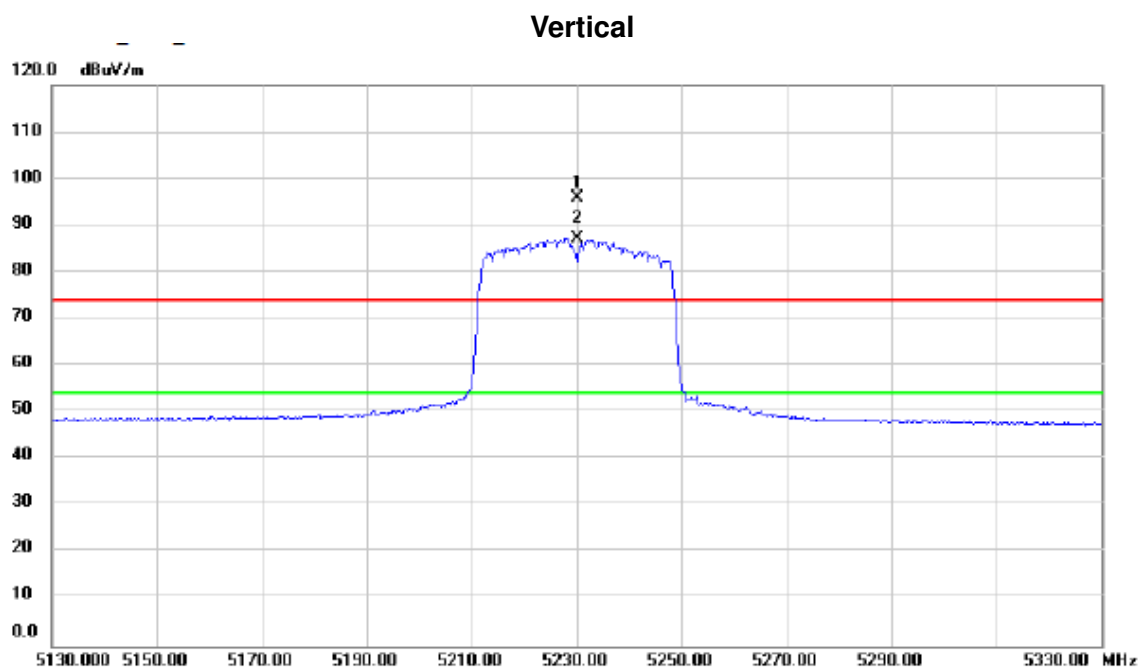
| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5190MHz |

Horizontal



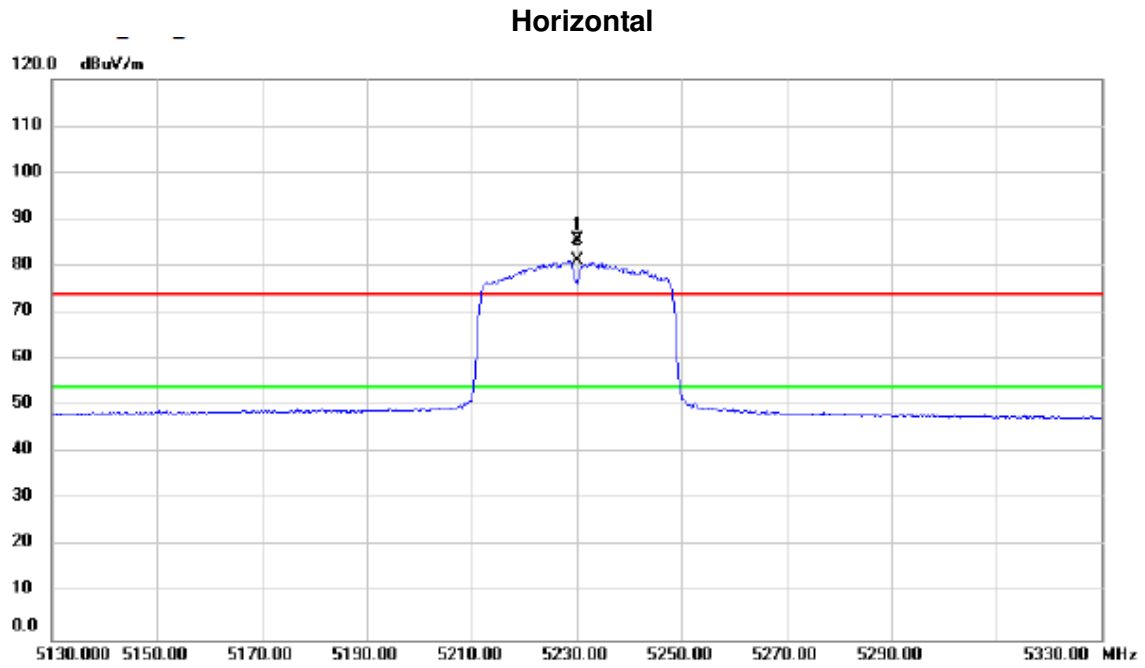
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|-----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5150.000 | 28.64 | 31.42 | 60.06 | 74.00 | -13.94 | peak | Band Edge |
| 2 | | 5150.000 | 17.11 | 31.42 | 48.53 | 54.00 | -5.47 | AVG | Band Edge |
| 3 | X | 5190.000 | 58.17 | 31.45 | 89.62 | 74.00 | 15.62 | peak | No Limit |
| 4 | * | 5190.000 | 48.53 | 31.45 | 79.98 | 54.00 | 25.98 | AVG | No Limit |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5230MHz |



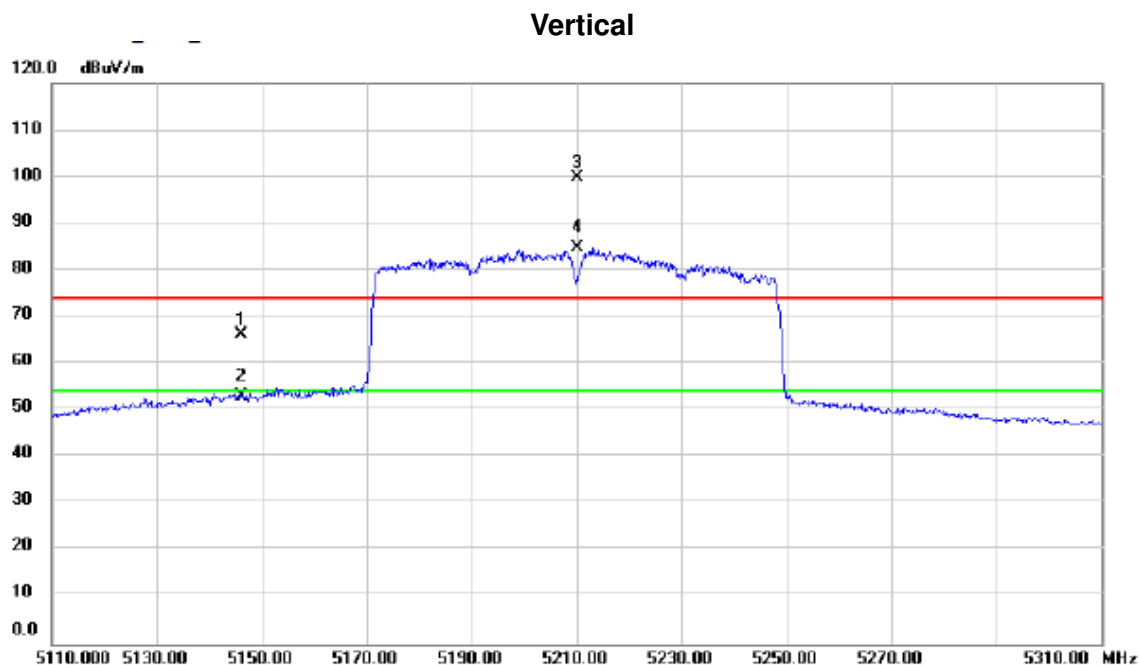
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5230.000 | 64.48 | 31.48 | 95.96 | 74.00 | 21.96 | peak | No Limit |
| 2 | * | 5230.000 | 55.69 | 31.48 | 87.17 | 54.00 | 33.17 | AVG | No Limit |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5230MHz |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5230.000 | 54.30 | 31.48 | 85.78 | 74.00 | 11.78 | peak | No Limit |
| 2 | * | 5230.000 | 49.75 | 31.48 | 81.23 | 54.00 | 27.23 | AVG | No Limit |

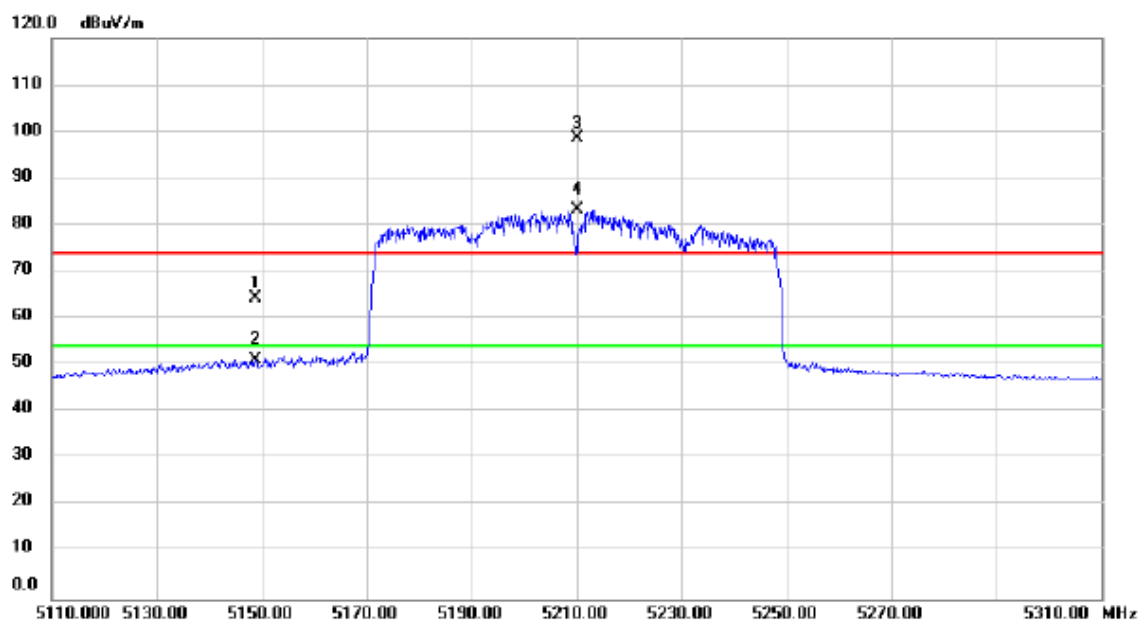
| | |
|------------------|------------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX AC80 Mode 5210MHz |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|-----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5146.200 | 34.66 | 31.42 | 66.08 | 74.00 | -7.92 | peak | Band Edge |
| 2 | | 5146.200 | 21.43 | 31.42 | 52.85 | 54.00 | -1.15 | AVG | Band Edge |
| 3 | X | 5210.000 | 68.41 | 31.47 | 99.88 | 74.00 | 25.88 | peak | No Limit |
| 4 | * | 5210.000 | 53.24 | 31.47 | 84.71 | 54.00 | 30.71 | AVG | No Limit |

| | |
|------------------|------------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX AC80 Mode 5210MHz |

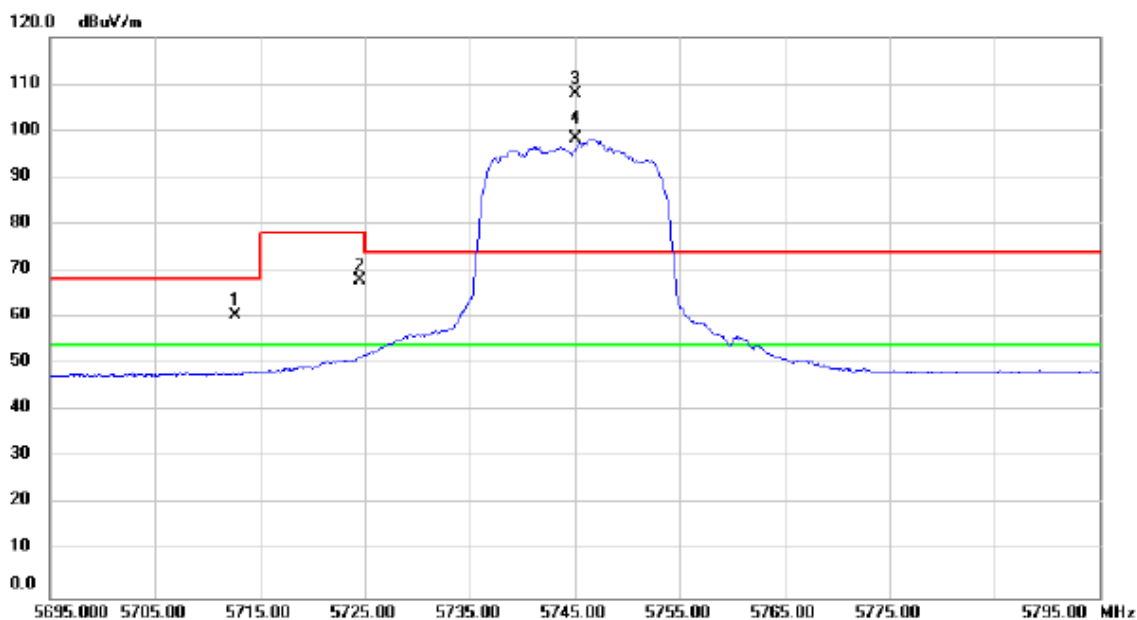
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|-----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5148.800 | 32.84 | 31.42 | 64.26 | 74.00 | -9.74 | peak | Band Edge |
| 2 | | 5148.800 | 19.74 | 31.42 | 51.16 | 54.00 | -2.84 | AVG | Band Edge |
| 3 | X | 5210.000 | 67.22 | 31.47 | 98.69 | 74.00 | 24.69 | peak | No Limit |
| 4 | * | 5210.000 | 51.91 | 31.47 | 83.38 | 54.00 | 29.38 | AVG | No Limit |

| | |
|------------------|--------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX A Mode 5745MHz |

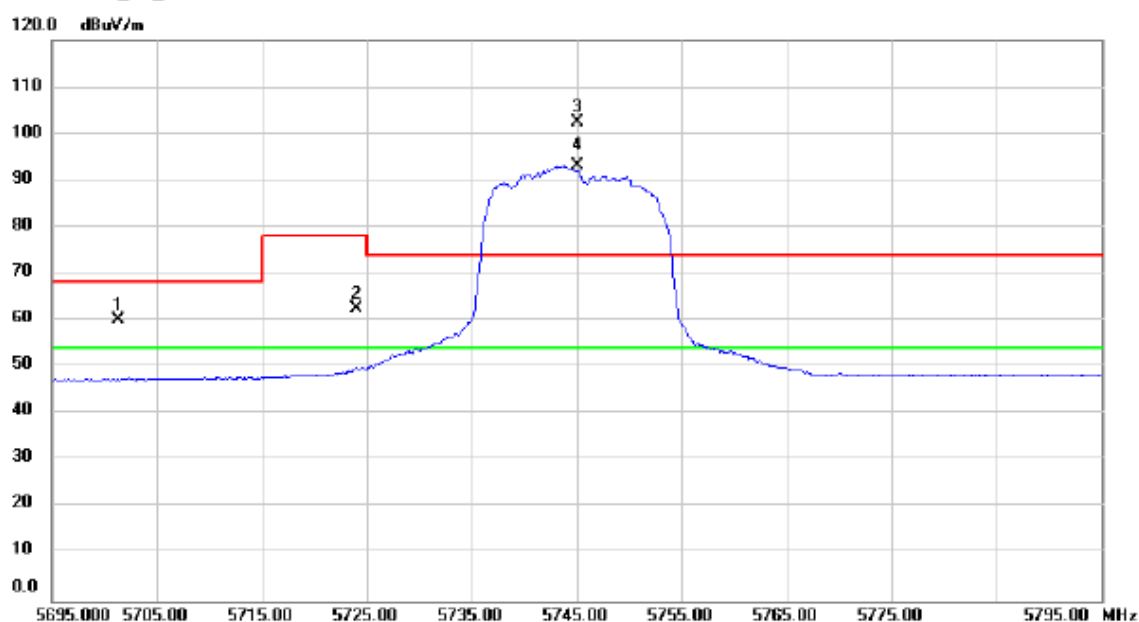
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5712.700 | 28.56 | 32.00 | 60.56 | 68.20 | -7.64 | peak | Band Edge |
| 2 | | 5724.480 | 35.95 | 32.01 | 67.96 | 78.20 | -10.24 | peak | Band Edge |
| 3 | X | 5745.000 | 75.78 | 32.04 | 107.82 | 74.00 | 33.82 | peak | No Limit |
| 4 | * | 5745.000 | 66.11 | 32.04 | 98.15 | 54.00 | 44.15 | AVG | No Limit |

| | |
|------------------|--------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX A Mode 5745MHz |

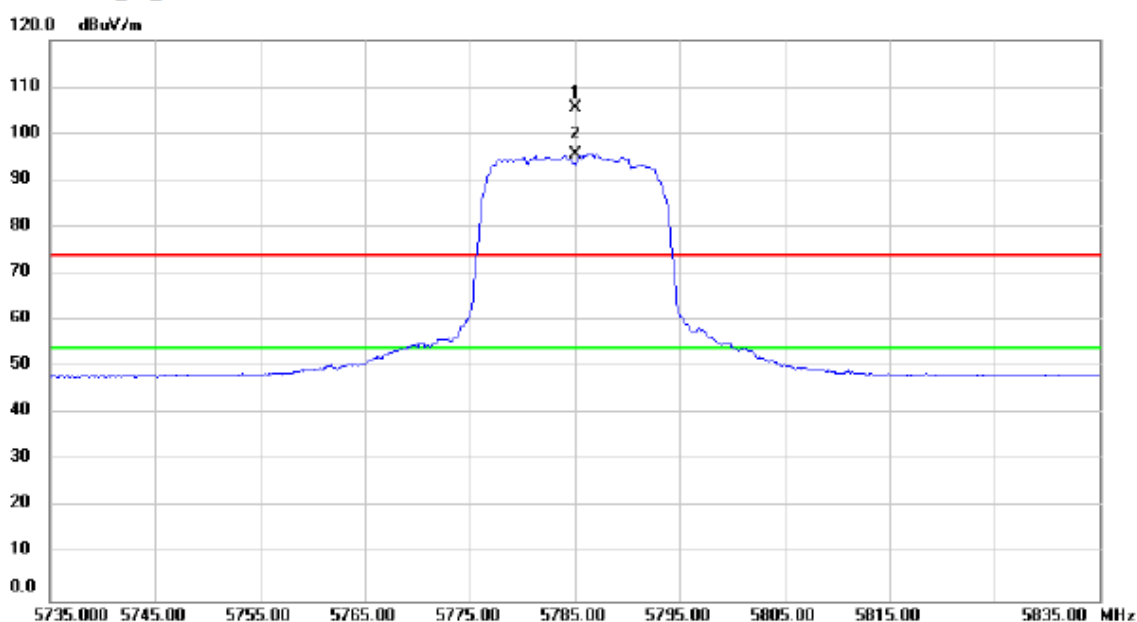
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5701.300 | 28.26 | 31.98 | 60.24 | 68.20 | -7.96 | peak | Band Edge |
| 2 | | 5724.050 | 30.61 | 32.01 | 62.62 | 78.20 | -15.58 | peak | Band Edge |
| 3 | X | 5745.000 | 70.29 | 32.04 | 102.33 | 74.00 | 28.33 | peak | No Limit |
| 4 | * | 5745.000 | 61.15 | 32.04 | 93.19 | 54.00 | 39.19 | AVG | No Limit |

| | |
|------------------|--------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX A Mode 5785MHz |

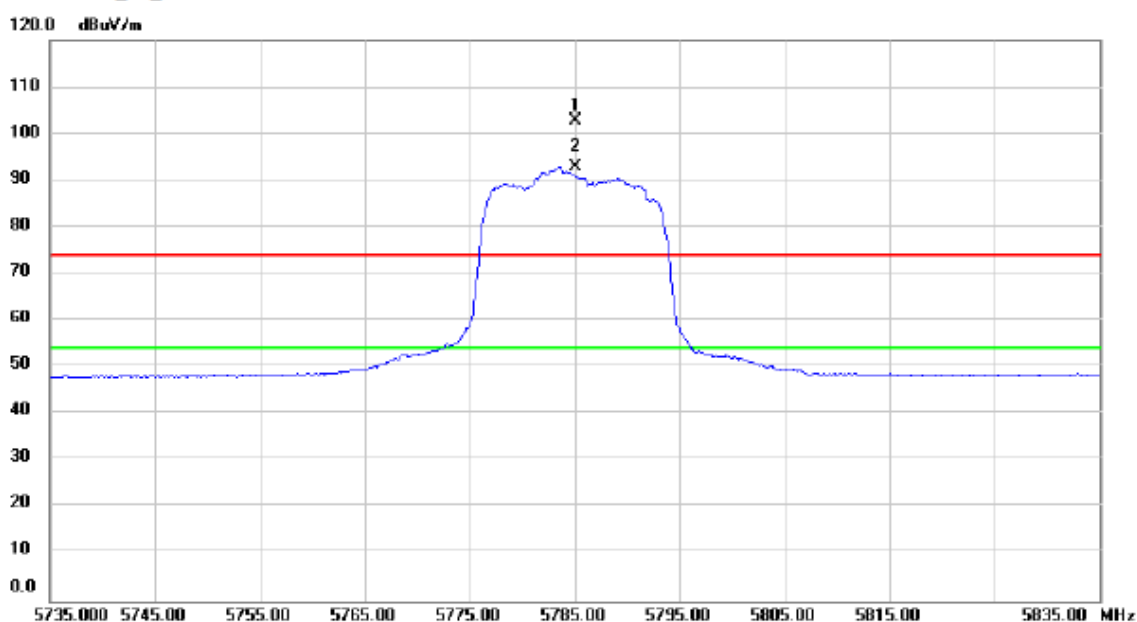
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | X | 5785.000 | 73.49 | 32.10 | 105.59 | 74.00 | 31.59 | peak | No Limit |
| 2 | * | 5785.000 | 63.59 | 32.10 | 95.69 | 54.00 | 41.69 | AVG | No Limit |

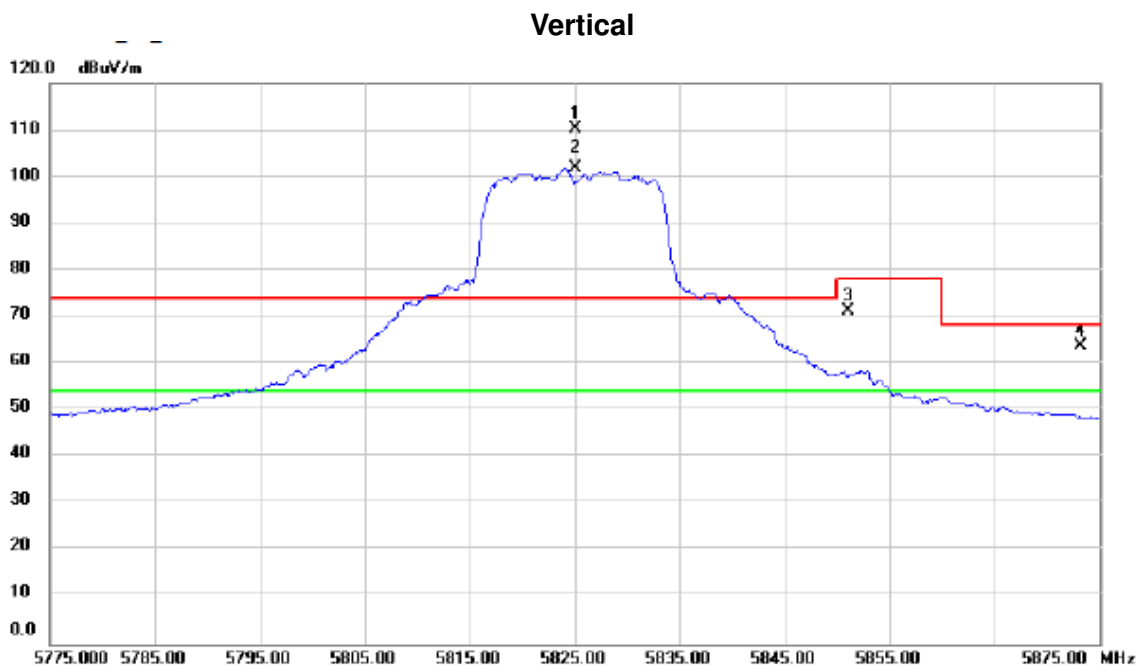
| | |
|------------------|--------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX A Mode 5785MHz |

Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | X | 5785.000 | 70.53 | 32.10 | 102.63 | 74.00 | 28.63 | peak | No Limit |
| 2 | * | 5785.000 | 60.82 | 32.10 | 92.92 | 54.00 | 38.92 | AVG | No Limit |

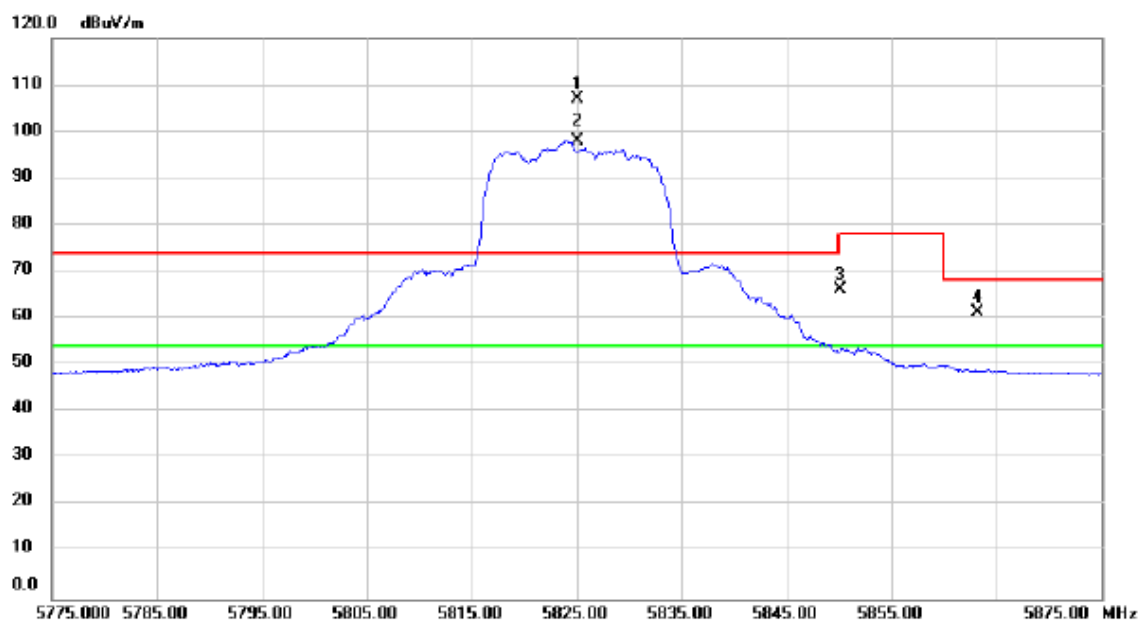
| | |
|------------------|--------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX A Mode 5825MHz |



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | X | 5825.000 | 78.21 | 32.16 | 110.37 | 74.00 | 36.37 | peak | No Limit |
| 2 | * | 5825.000 | 69.66 | 32.16 | 101.82 | 54.00 | 47.82 | AVG | No Limit |
| 3 | | 5851.070 | 39.17 | 32.19 | 71.36 | 78.20 | -6.84 | peak | Band Edge |
| 4 | | 5873.260 | 31.67 | 32.22 | 63.89 | 68.20 | -4.31 | peak | Band Edge |

| | |
|------------------|--------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX A Mode 5825MHz |

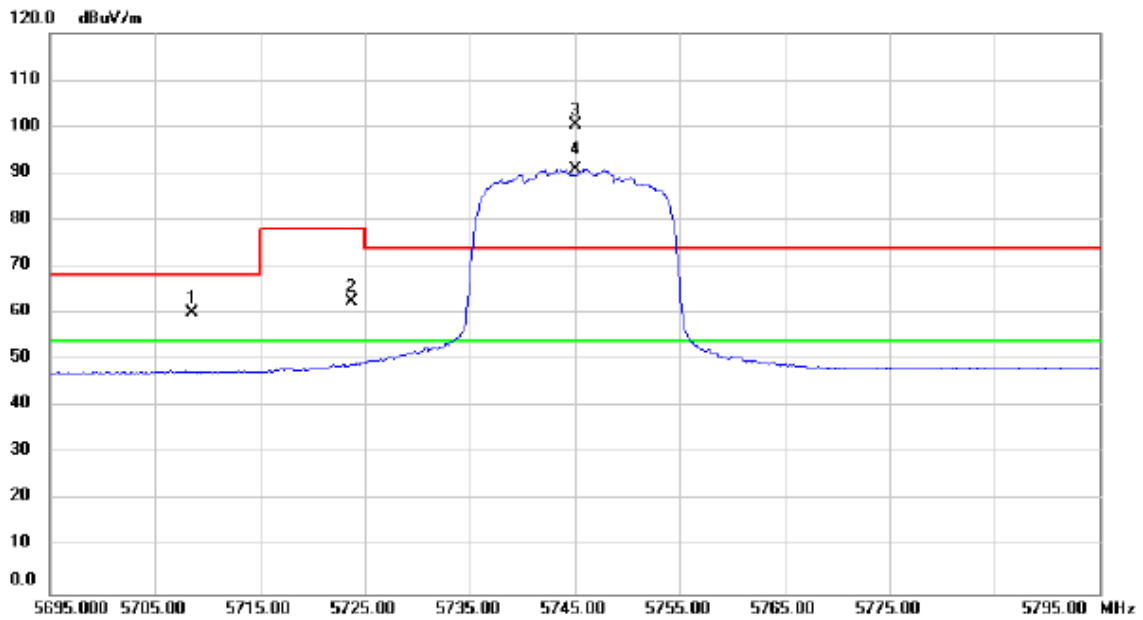
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | X | 5825.000 | 74.74 | 32.16 | 106.90 | 74.00 | 32.90 | peak | No Limit |
| 2 | * | 5825.000 | 65.74 | 32.16 | 97.90 | 54.00 | 43.90 | AVG | No Limit |
| 3 | | 5850.170 | 34.09 | 32.19 | 66.28 | 78.20 | -11.92 | peak | Band Edge |
| 4 | | 5863.165 | 29.18 | 32.21 | 61.39 | 68.20 | -6.81 | peak | Band Edge |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5745MHz |

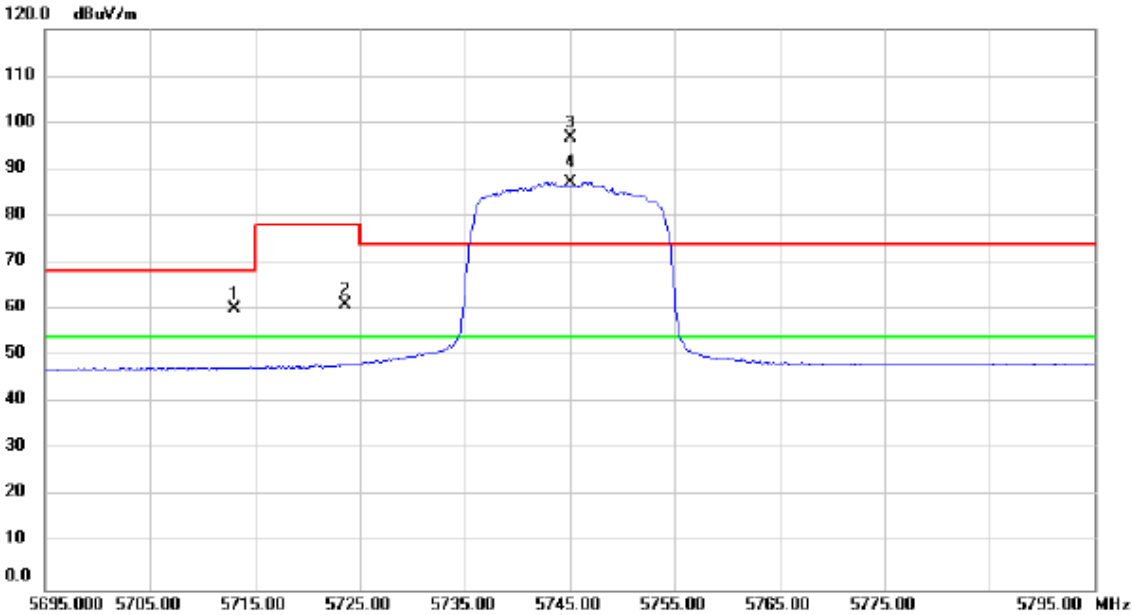
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5708.540 | 28.04 | 31.99 | 60.03 | 68.20 | -8.17 | peak | Band Edge |
| 2 | | 5723.770 | 30.43 | 32.01 | 62.44 | 78.20 | -15.76 | peak | Band Edge |
| 3 | X | 5745.000 | 68.45 | 32.04 | 100.49 | 74.00 | 26.49 | peak | No Limit |
| 4 | * | 5745.000 | 58.77 | 32.04 | 90.81 | 54.00 | 36.81 | AVG | No Limit |

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|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5745MHz |

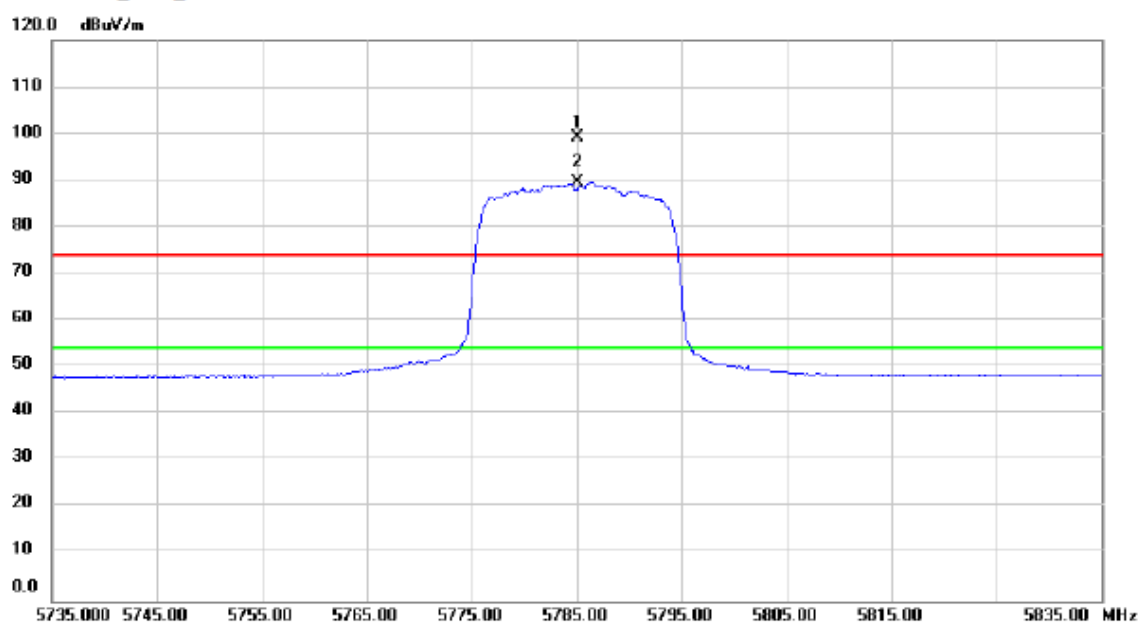
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5713.100 | 28.08 | 32.00 | 60.08 | 68.20 | -8.12 | peak | Band Edge |
| 2 | | 5723.660 | 28.96 | 32.01 | 60.97 | 78.20 | -17.23 | peak | Band Edge |
| 3 | X | 5745.000 | 64.75 | 32.04 | 96.79 | 74.00 | 22.79 | peak | No Limit |
| 4 | * | 5745.000 | 55.23 | 32.04 | 87.27 | 54.00 | 33.27 | AVG | No Limit |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5785MHz |

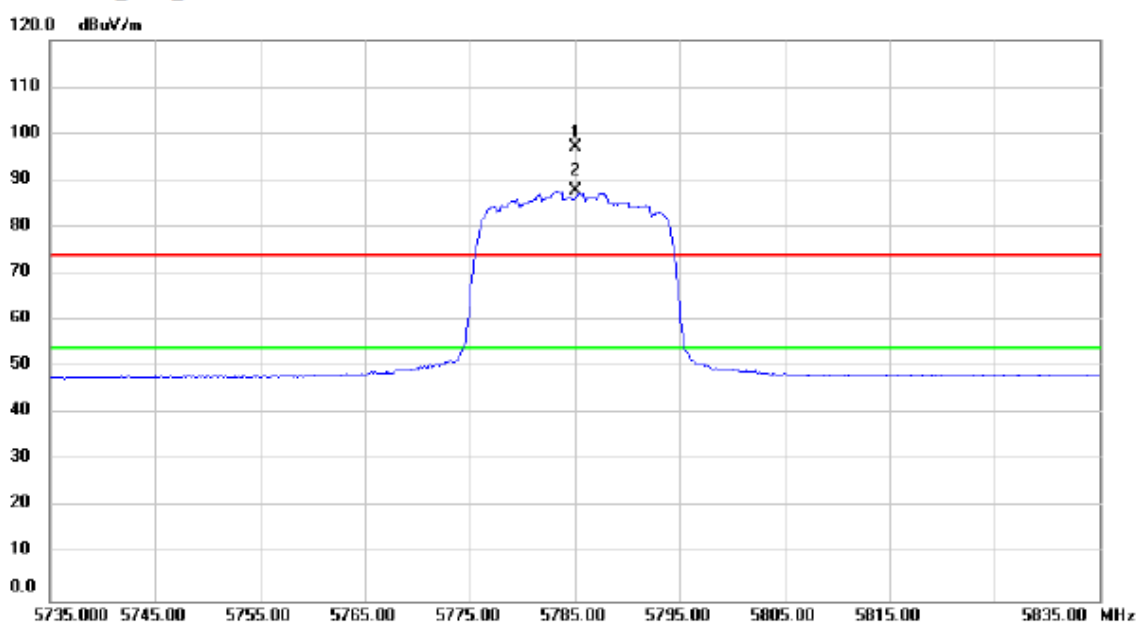
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | X | 5785.000 | 66.98 | 32.10 | 99.08 | 74.00 | 25.08 | peak | No Limit |
| 2 | * | 5785.000 | 57.47 | 32.10 | 89.57 | 54.00 | 35.57 | AVG | No Limit |

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|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5785MHz |

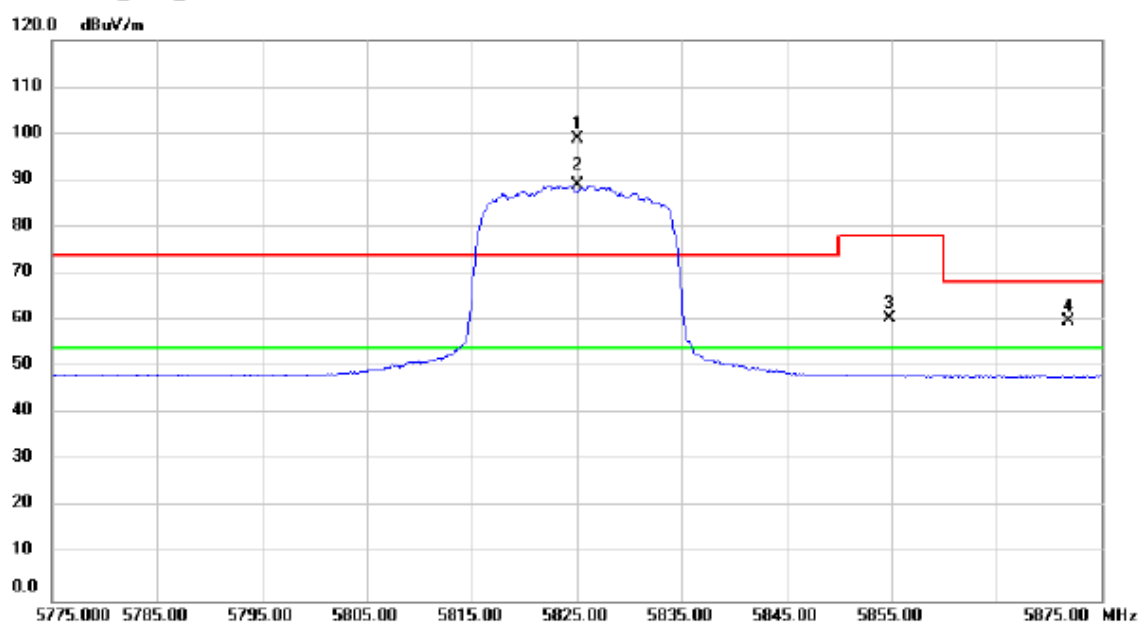
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | X | 5785.000 | 64.93 | 32.10 | 97.03 | 74.00 | 23.03 | peak | No Limit |
| 2 | * | 5785.000 | 55.61 | 32.10 | 87.71 | 54.00 | 33.71 | AVG | No Limit |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5825MHz |

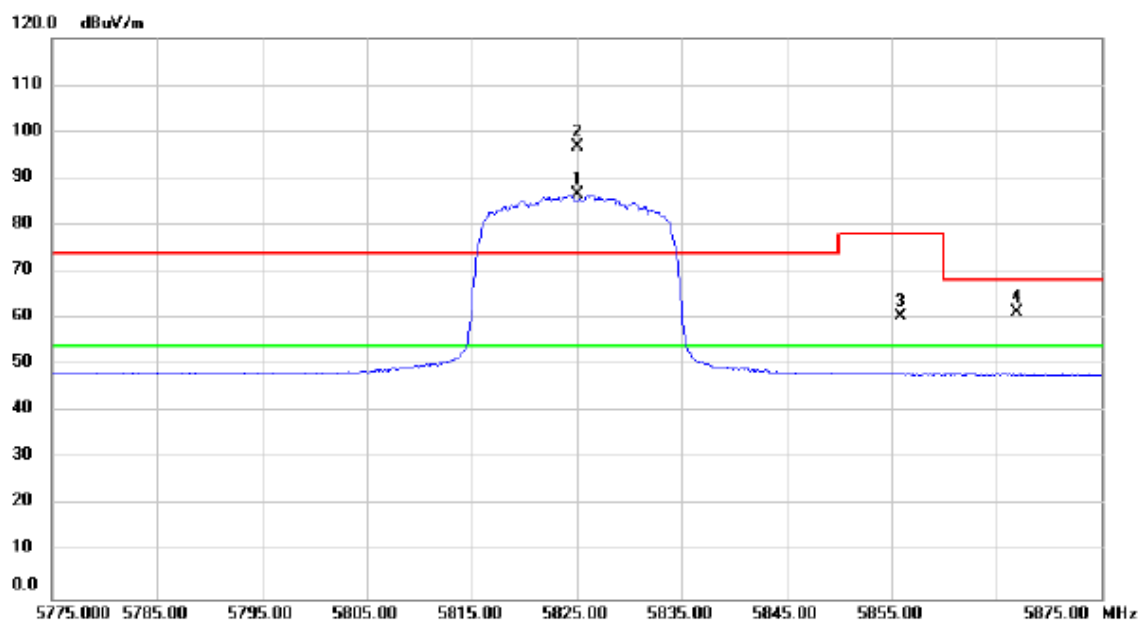
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | X | 5825.000 | 66.68 | 32.16 | 98.84 | 74.00 | 24.84 | peak | No Limit |
| 2 | * | 5825.000 | 56.77 | 32.16 | 88.93 | 54.00 | 34.93 | AVG | No Limit |
| 3 | | 5854.810 | 28.24 | 32.20 | 60.44 | 78.20 | -17.76 | peak | Band Edge |
| 4 | | 5871.880 | 27.73 | 32.22 | 59.95 | 68.20 | -8.25 | peak | Band Edge |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5825MHz |

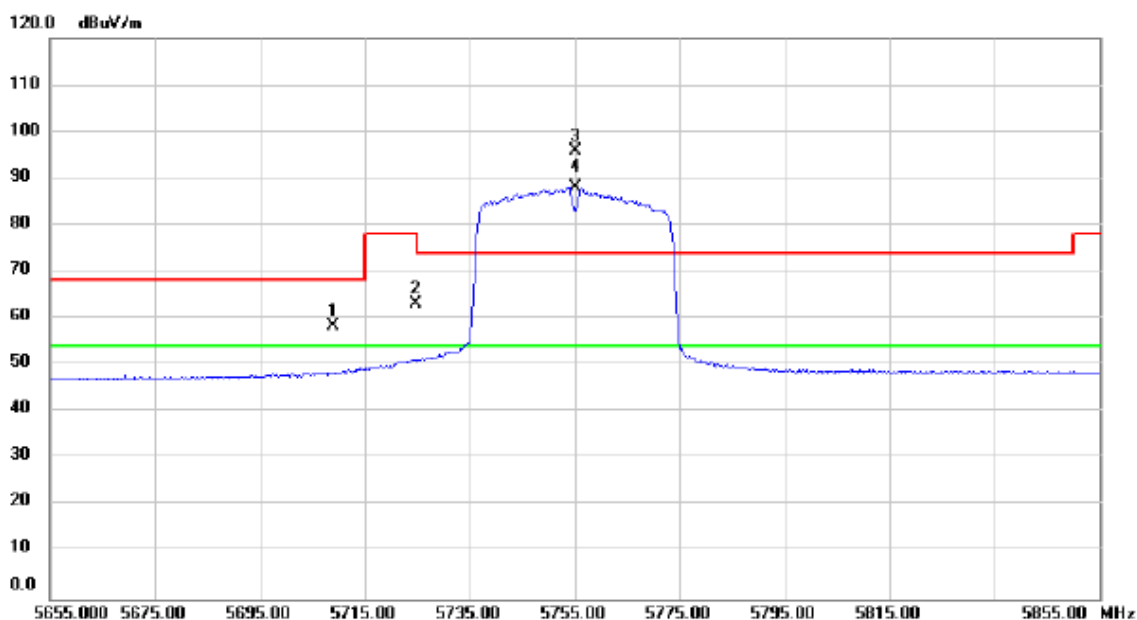
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | X | 5825.000 | 54.37 | 32.16 | 86.53 | 74.00 | 12.53 | peak | No Limit |
| 2 | * | 5825.000 | 64.56 | 32.16 | 96.72 | 74.00 | 22.72 | peak | No Limit |
| 3 | | 5855.920 | 28.16 | 32.20 | 60.36 | 78.20 | -17.84 | peak | Band Edge |
| 4 | | 5866.870 | 29.04 | 32.21 | 61.25 | 68.20 | -6.95 | peak | Band Edge |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5755MHz |

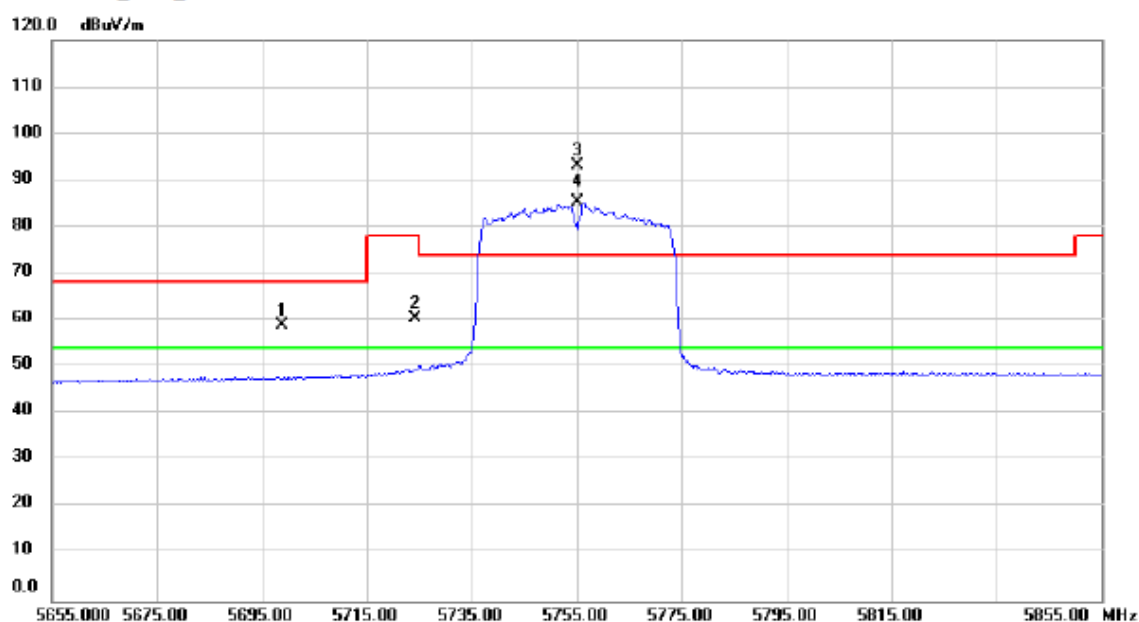
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5709.120 | 26.45 | 31.99 | 58.44 | 68.20 | -9.76 | peak | Band Edge |
| 2 | | 5724.700 | 31.21 | 32.01 | 63.22 | 78.20 | -14.98 | peak | Band Edge |
| 3 | X | 5755.000 | 63.75 | 32.06 | 95.81 | 74.00 | 21.81 | peak | No Limit |
| 4 | * | 5755.000 | 55.96 | 32.06 | 88.02 | 54.00 | 34.02 | AVG | No Limit |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5755MHz |

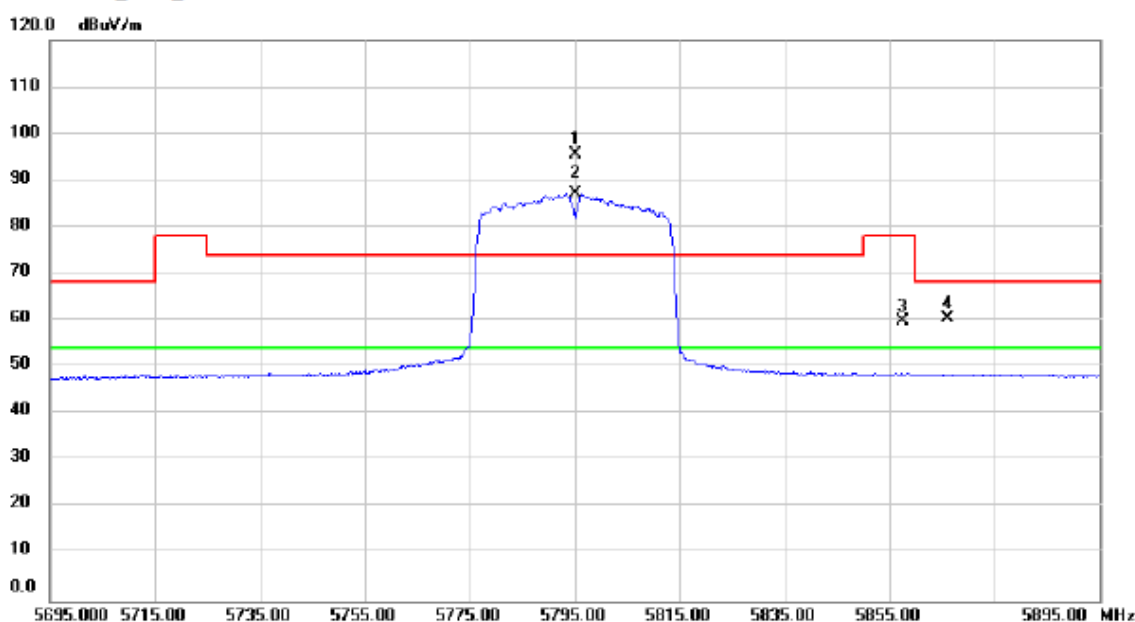
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5698.800 | 27.06 | 31.98 | 59.04 | 68.20 | -9.16 | peak | Band Edge |
| 2 | | 5724.150 | 28.46 | 32.01 | 60.47 | 78.20 | -17.73 | peak | Band Edge |
| 3 | X | 5755.000 | 60.95 | 32.06 | 93.01 | 74.00 | 19.01 | peak | No Limit |
| 4 | * | 5755.000 | 53.17 | 32.06 | 85.23 | 54.00 | 31.23 | AVG | No Limit |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5795MHz |

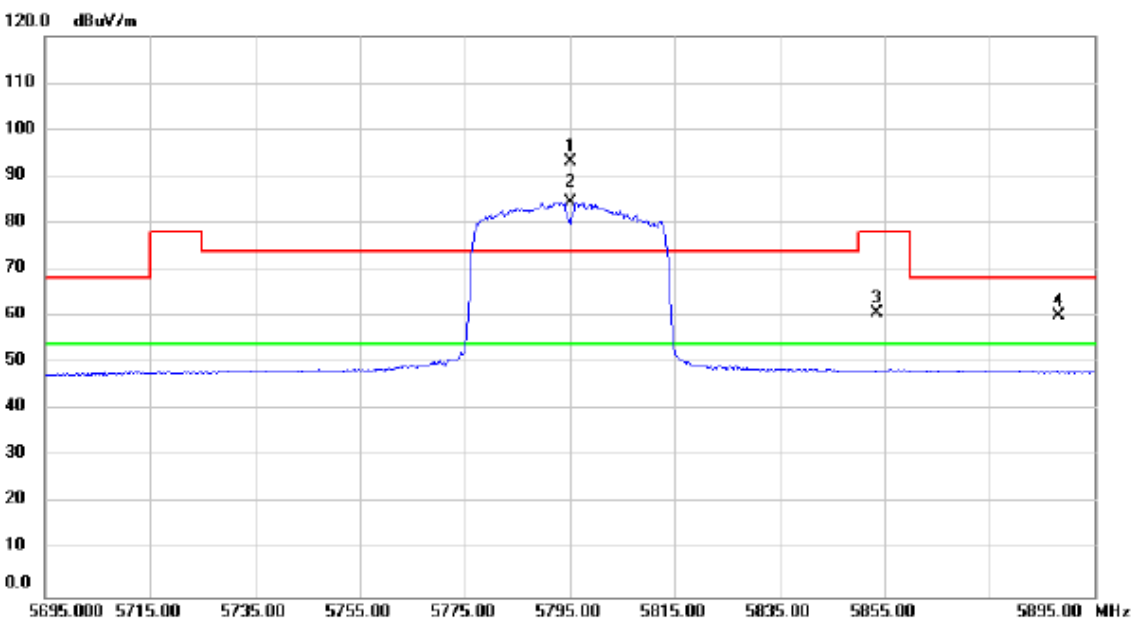
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | X | 5795.000 | 63.29 | 32.11 | 95.40 | 74.00 | 21.40 | peak | No Limit |
| 2 | * | 5795.000 | 55.08 | 32.11 | 87.19 | 54.00 | 33.19 | AVG | No Limit |
| 3 | | 5857.540 | 27.68 | 32.20 | 59.88 | 78.20 | -18.32 | peak | Band Edge |
| 4 | | 5865.985 | 28.36 | 32.21 | 60.57 | 68.20 | -7.63 | peak | Band Edge |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5795MHz |

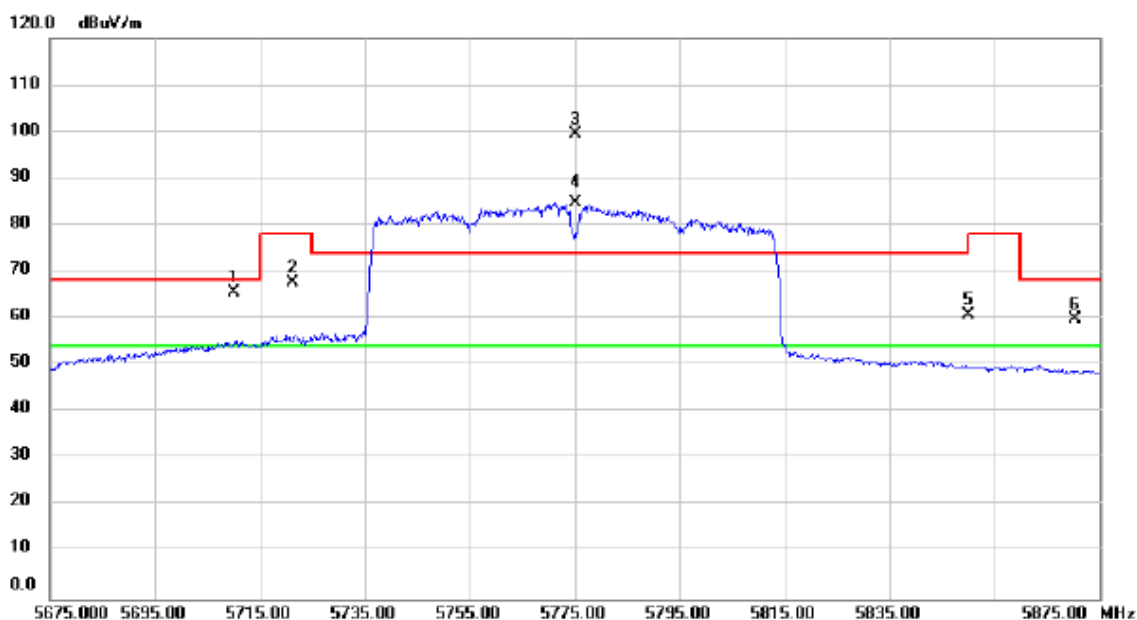
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | X | 5795.000 | 61.05 | 32.11 | 93.16 | 74.00 | 19.16 | peak | No Limit |
| 2 | * | 5795.000 | 52.36 | 32.11 | 84.47 | 54.00 | 30.47 | AVG | No Limit |
| 3 | | 5853.510 | 28.50 | 32.19 | 60.69 | 78.20 | -17.51 | peak | Band Edge |
| 4 | | 5888.105 | 27.84 | 32.24 | 60.08 | 68.20 | -8.12 | peak | Band Edge |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX AC80 Mode 5775MHz |

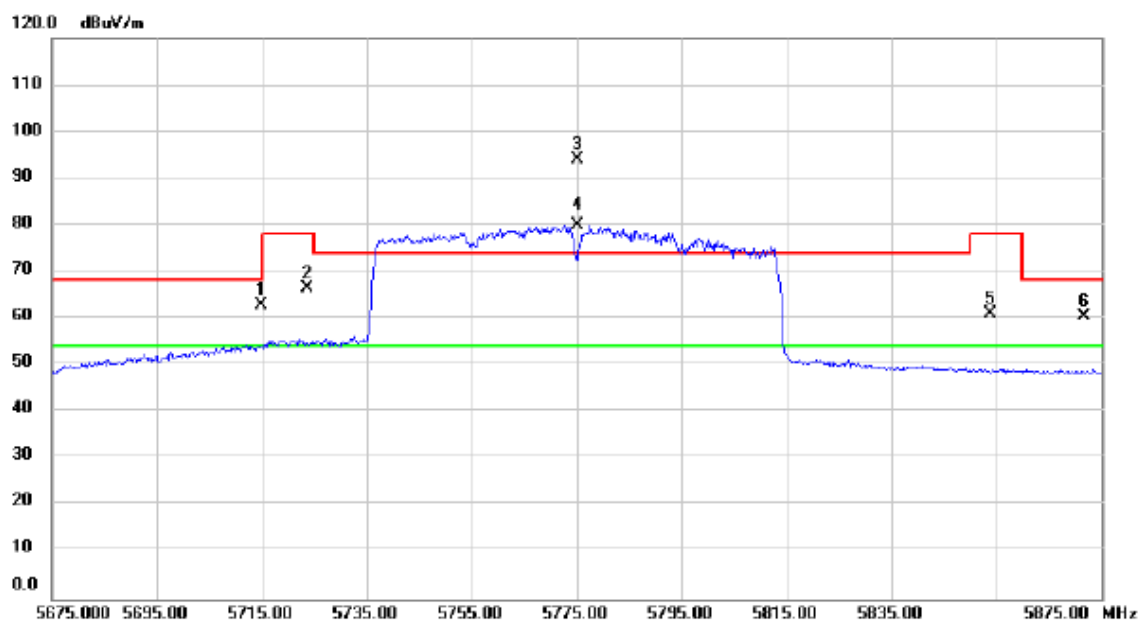
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|-----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5709.960 | 33.56 | 31.99 | 65.55 | 68.20 | -2.65 | peak | Band Edge |
| 2 | | 5721.170 | 35.52 | 32.01 | 67.53 | 78.20 | -10.67 | peak | Band Edge |
| 3 | X | 5775.000 | 67.36 | 32.09 | 99.45 | 74.00 | 25.45 | peak | No Limit |
| 4 | * | 5775.000 | 52.80 | 32.09 | 84.89 | 54.00 | 30.89 | AVG | No Limit |
| 5 | | 5850.150 | 28.58 | 32.19 | 60.77 | 78.20 | -17.43 | peak | Band Edge |
| 6 | | 5870.350 | 27.61 | 32.22 | 59.83 | 68.20 | -8.37 | peak | Band Edge |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX AC80 Mode 5775MHz |

Horizontal

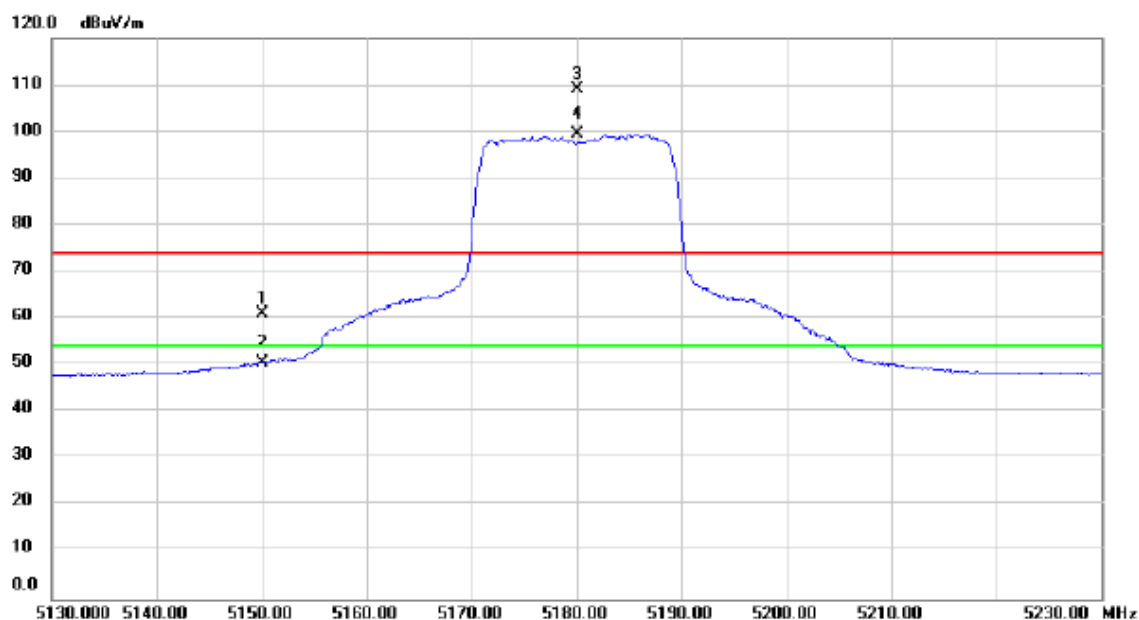


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5714.840 | 30.70 | 32.00 | 62.70 | 68.20 | -5.50 | peak | Band Edge |
| 2 | | 5723.780 | 34.36 | 32.01 | 66.37 | 78.20 | -11.83 | peak | Band Edge |
| 3 | X | 5775.000 | 62.08 | 32.09 | 94.17 | 74.00 | 20.17 | peak | No Limit |
| 4 | * | 5775.000 | 47.87 | 32.09 | 79.96 | 54.00 | 25.96 | AVG | No Limit |
| 5 | | 5853.810 | 28.85 | 32.20 | 61.05 | 78.20 | -17.15 | peak | Band Edge |
| 6 | | 5871.550 | 28.31 | 32.22 | 60.53 | 68.20 | -7.67 | peak | Band Edge |

Beamforming

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5180MHz |

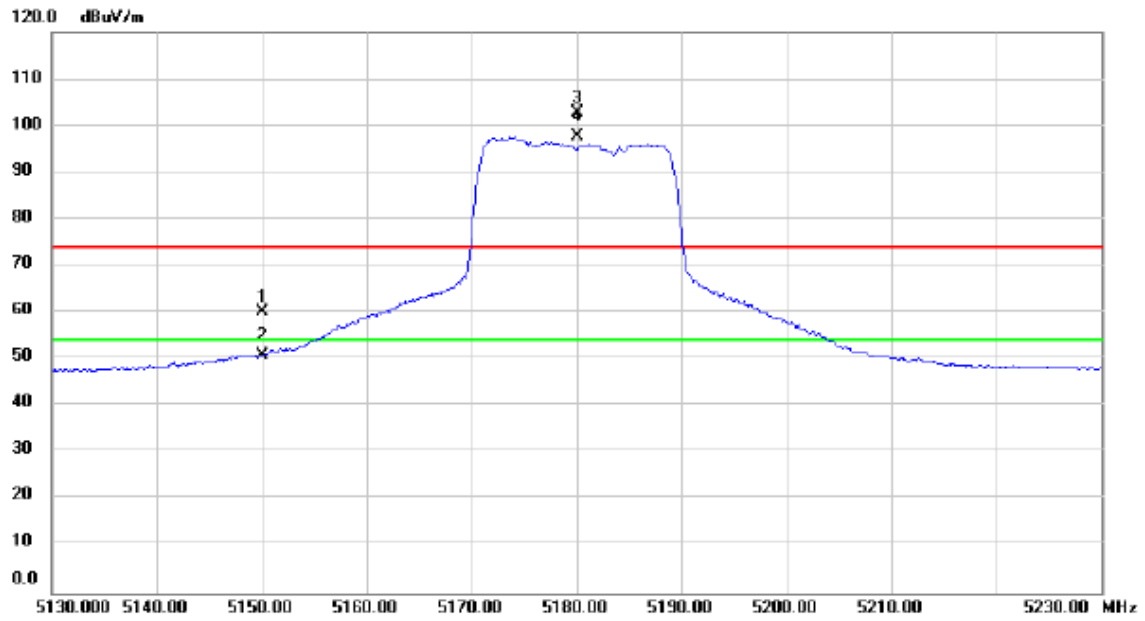
Vertical



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|-----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5150.000 | 29.77 | 31.42 | 61.19 | 74.00 | -12.81 | peak | Band Edge |
| 2 | | 5150.000 | 19.03 | 31.42 | 50.45 | 54.00 | -3.55 | AVG | Band Edge |
| 3 | X | 5180.000 | 77.63 | 31.44 | 109.07 | 74.00 | 35.07 | peak | No Limit |
| 4 | * | 5180.000 | 68.04 | 31.44 | 99.48 | 54.00 | 45.48 | AVG | No Limit |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5180MHz |

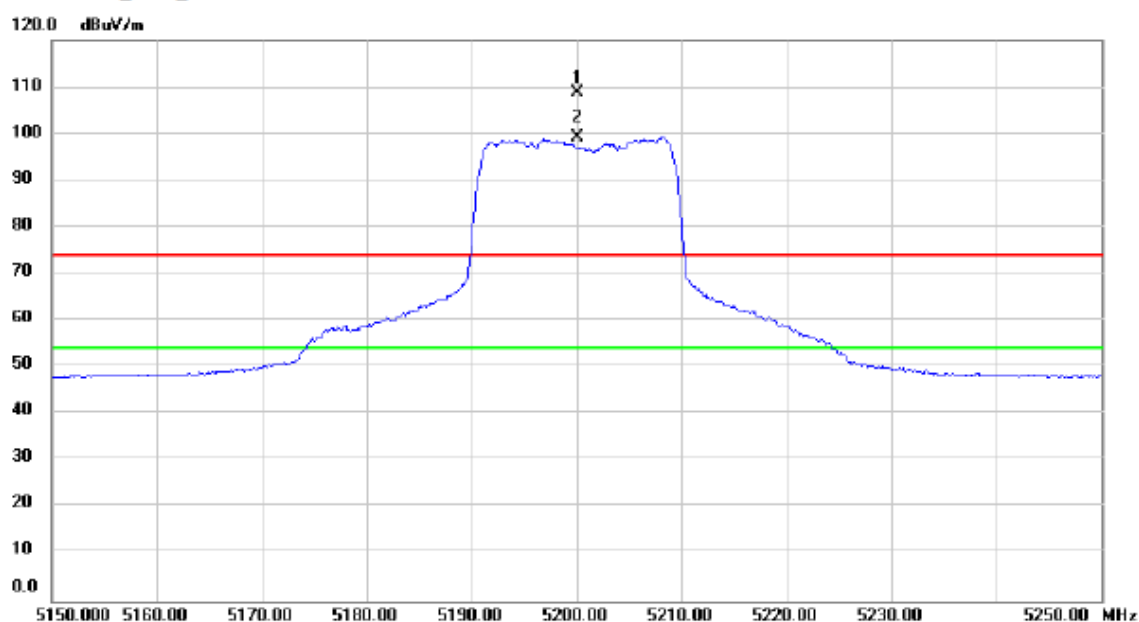
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|-----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5150.000 | 28.84 | 31.42 | 60.26 | 74.00 | -13.74 | peak | Band Edge |
| 2 | | 5150.000 | 19.55 | 31.42 | 50.97 | 54.00 | -3.03 | AVG | Band Edge |
| 3 | X | 5180.000 | 71.30 | 31.44 | 102.74 | 74.00 | 28.74 | peak | No Limit |
| 4 | * | 5180.000 | 66.16 | 31.44 | 97.60 | 54.00 | 43.60 | AVG | No Limit |

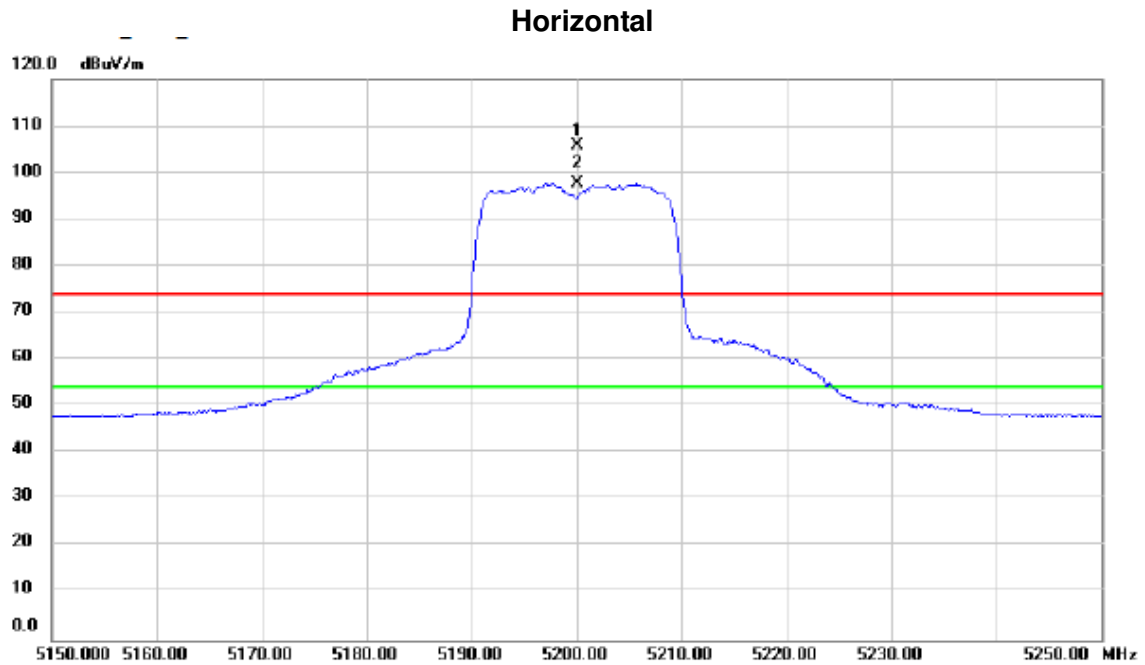
| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5200MHz |

Vertical



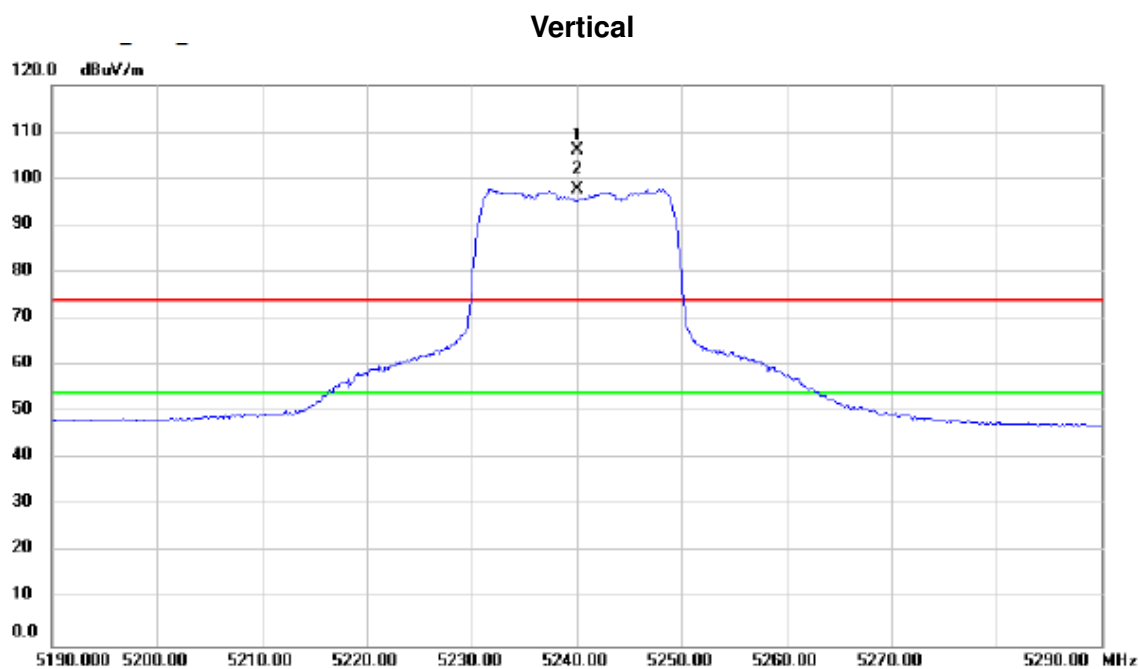
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|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5200.000 | 77.30 | 31.46 | 108.76 | 74.00 | 34.76 | peak | No Limit |
| 2 | * | 5200.000 | 67.76 | 31.46 | 99.22 | 54.00 | 45.22 | AVG | No Limit |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5200MHz |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5200.000 | 74.25 | 31.46 | 105.71 | 74.00 | 31.71 | peak | No Limit |
| 2 | * | 5200.000 | 66.14 | 31.46 | 97.60 | 54.00 | 43.60 | AVG | No Limit |

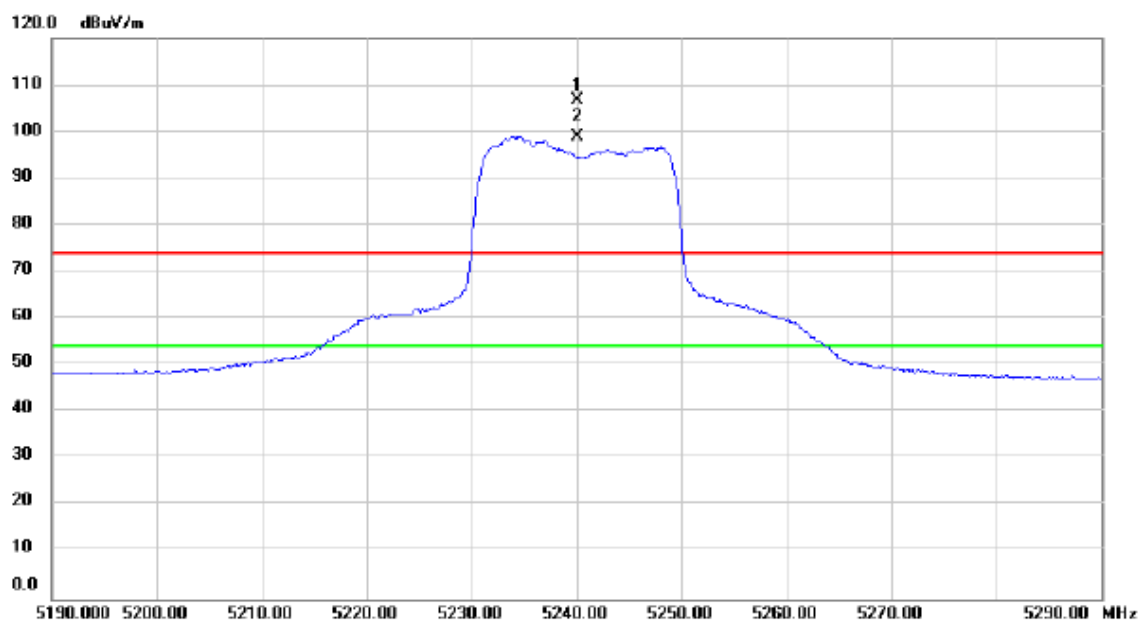
| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5240MHz |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | X | 5240.000 | 74.50 | 31.49 | 105.99 | 74.00 | 31.99 | peak | No Limit |
| 2 | * | 5240.000 | 66.21 | 31.49 | 97.70 | 54.00 | 43.70 | AVG | No Limit |

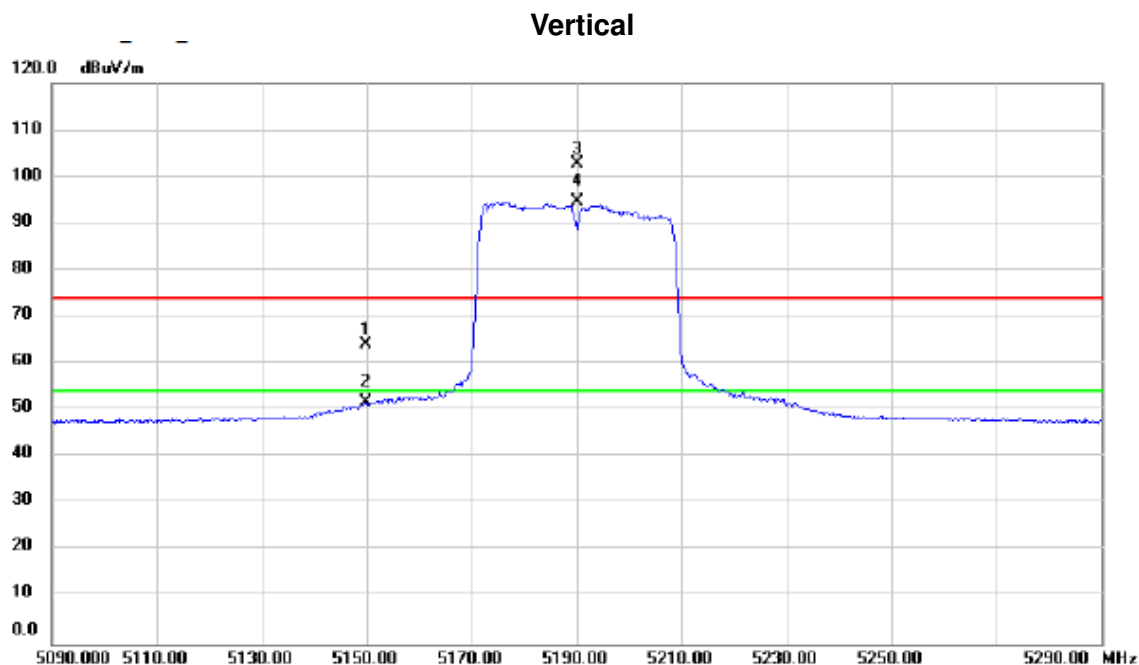
| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N20 Mode 5240MHz |

Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5240.000 | 75.04 | 31.49 | 106.53 | 74.00 | 32.53 | peak | No Limit |
| 2 | * | 5240.000 | 67.40 | 31.49 | 98.89 | 54.00 | 44.89 | AVG | No Limit |

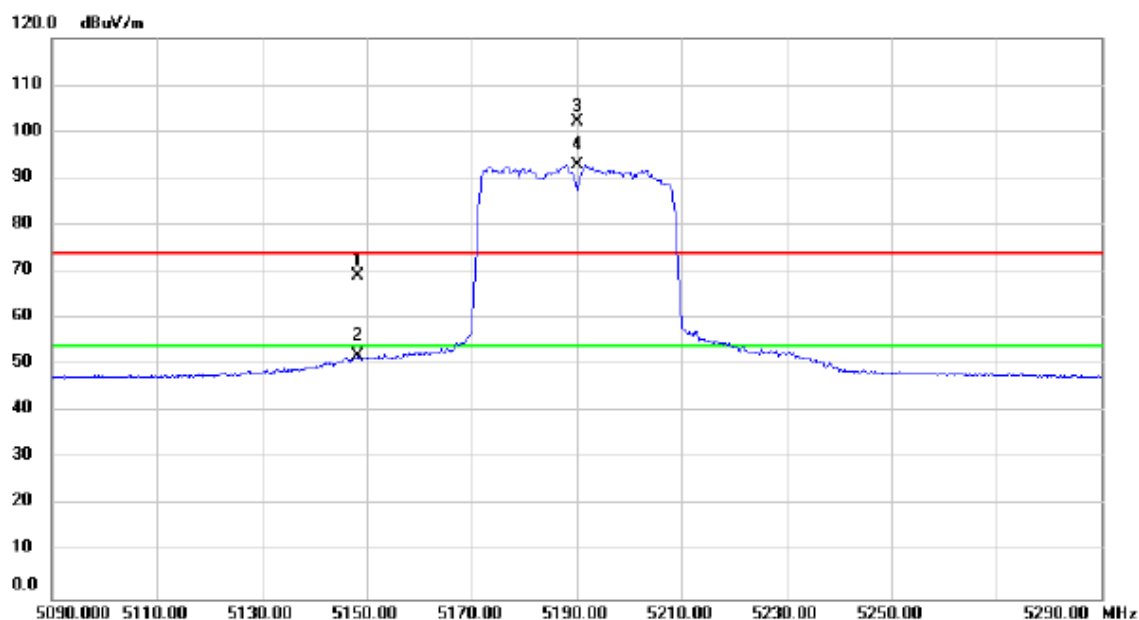
| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5190MHz |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|-----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5149.800 | 32.53 | 31.42 | 63.95 | 74.00 | -10.05 | peak | Band Edge |
| 2 | | 5149.800 | 20.31 | 31.42 | 51.73 | 54.00 | -2.27 | AVG | Band Edge |
| 3 | X | 5190.000 | 71.42 | 31.45 | 102.87 | 74.00 | 28.87 | peak | No Limit |
| 4 | * | 5190.000 | 63.31 | 31.45 | 94.76 | 54.00 | 40.76 | AVG | No Limit |

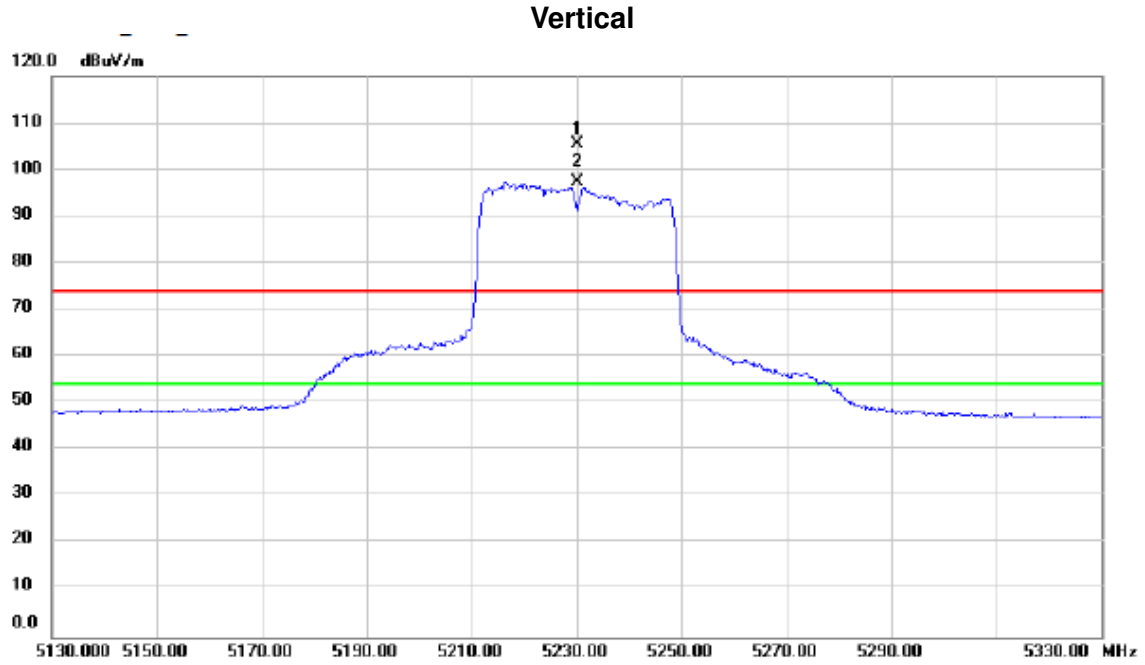
| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5190MHz |

Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5148.400 | 37.87 | 31.42 | 69.29 | 74.00 | -4.71 | peak | Band Edge |
| 2 | | 5148.400 | 20.60 | 31.42 | 52.02 | 54.00 | -1.98 | AVG | Band Edge |
| 3 | X | 5190.000 | 70.66 | 31.45 | 102.11 | 74.00 | 28.11 | peak | No Limit |
| 4 | * | 5190.000 | 61.27 | 31.45 | 92.72 | 54.00 | 38.72 | AVG | No Limit |

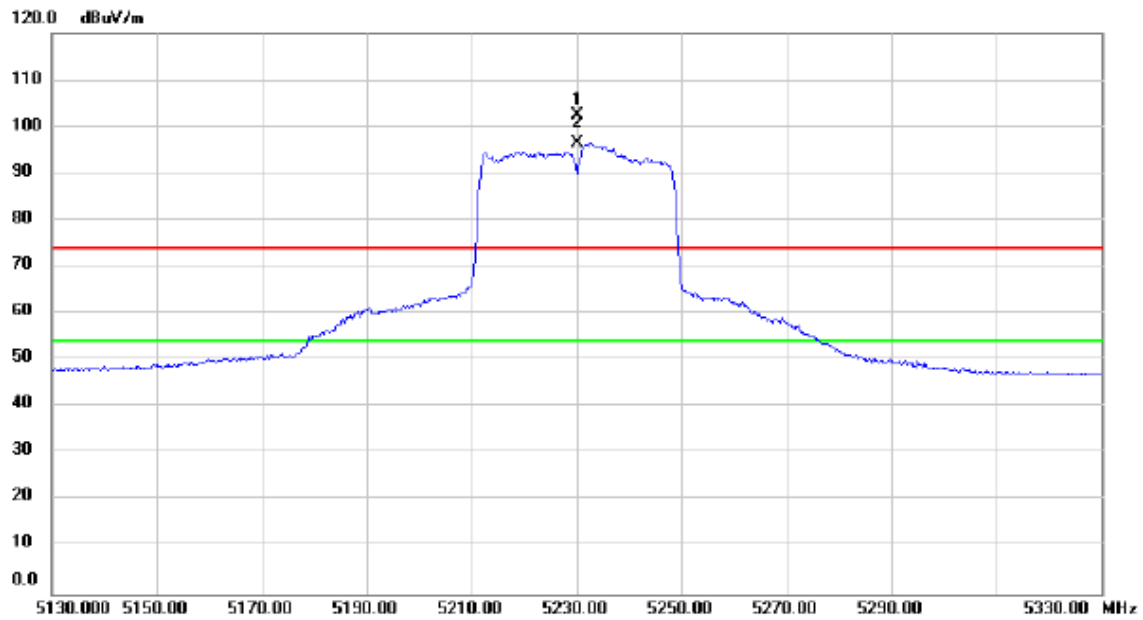
| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5230MHz |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | X | 5230.000 | 73.93 | 31.48 | 105.41 | 74.00 | 31.41 | peak | No Limit |
| 2 | * | 5230.000 | 65.78 | 31.48 | 97.26 | 54.00 | 43.26 | AVG | No Limit |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX N40 Mode 5230MHz |

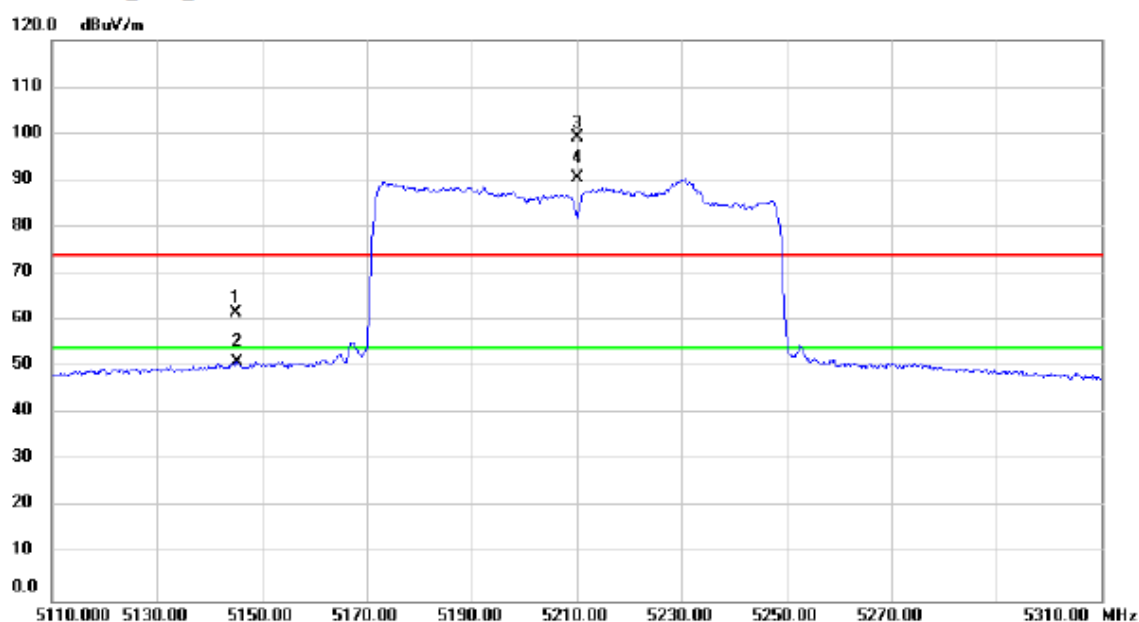
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5230.000 | 71.06 | 31.48 | 102.54 | 74.00 | 28.54 | peak | No Limit |
| 2 | * | 5230.000 | 64.88 | 31.48 | 96.36 | 54.00 | 42.36 | AVG | No Limit |

| | |
|------------------|------------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX AC80 Mode 5210MHz |

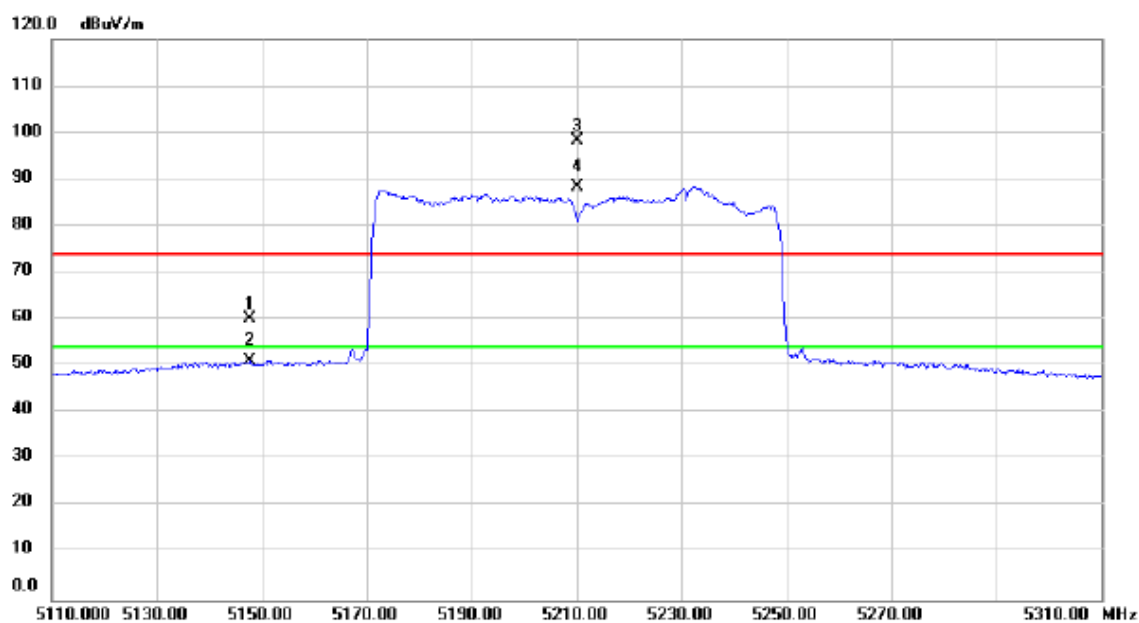
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5145.000 | 30.25 | 31.42 | 61.67 | 74.00 | -12.33 | peak | Band Edge |
| 2 | | 5145.400 | 19.75 | 31.42 | 51.17 | 54.00 | -2.83 | AVG | Band Edge |
| 3 | X | 5210.000 | 67.57 | 31.47 | 99.04 | 74.00 | 25.04 | peak | No Limit |
| 4 | * | 5210.000 | 58.98 | 31.47 | 90.45 | 54.00 | 36.45 | AVG | No Limit |

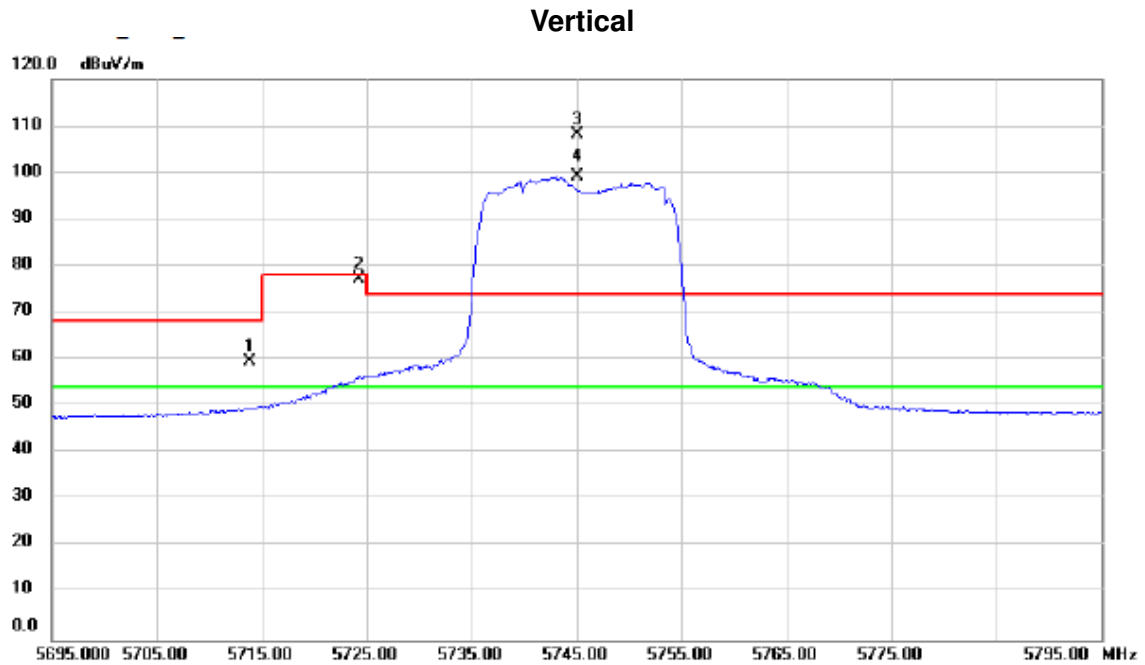
| | |
|------------------|------------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-1/ TX AC80 Mode 5210MHz |

Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|-----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5147.600 | 28.87 | 31.42 | 60.29 | 74.00 | -13.71 | peak | Band Edge |
| 2 | | 5147.600 | 19.61 | 31.42 | 51.03 | 54.00 | -2.97 | AVG | Band Edge |
| 3 | X | 5210.000 | 66.83 | 31.47 | 98.30 | 74.00 | 24.30 | peak | No Limit |
| 4 | * | 5210.000 | 56.85 | 31.47 | 88.32 | 54.00 | 34.32 | AVG | No Limit |

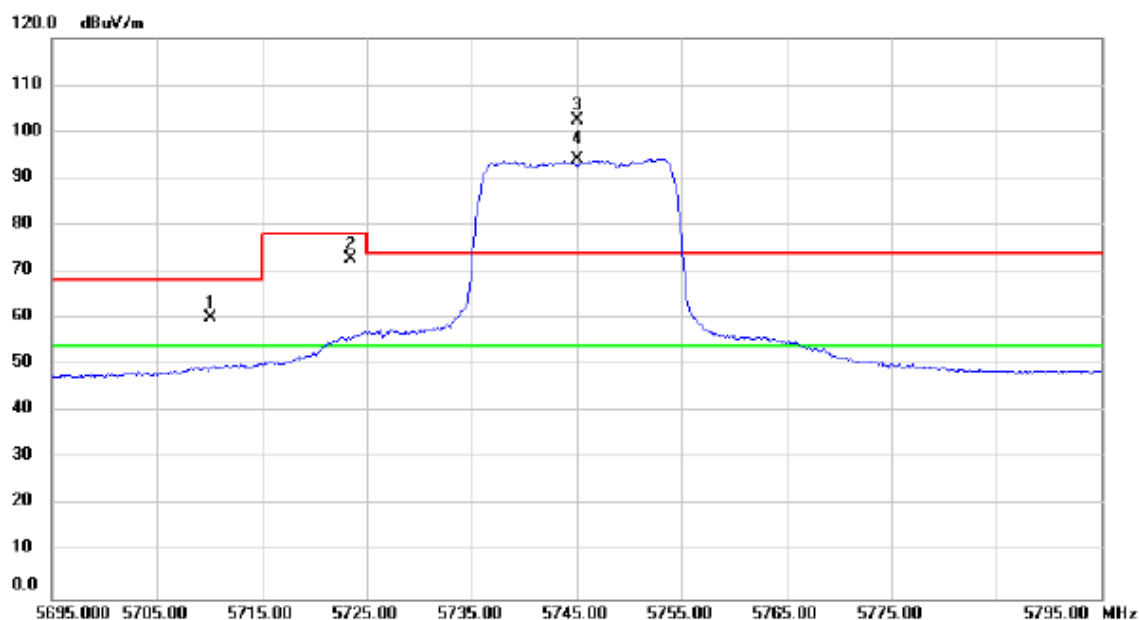
| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5745MHz |



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5713.800 | 27.48 | 32.00 | 59.48 | 68.20 | -8.72 | peak | Band Edge |
| 2 | | 5724.250 | 45.12 | 32.01 | 77.13 | 78.20 | -1.07 | peak | Band Edge |
| 3 | X | 5745.000 | 76.16 | 32.04 | 108.20 | 74.00 | 34.20 | peak | No Limit |
| 4 | * | 5745.000 | 67.01 | 32.04 | 99.05 | 54.00 | 45.05 | AVG | No Limit |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5745MHz |

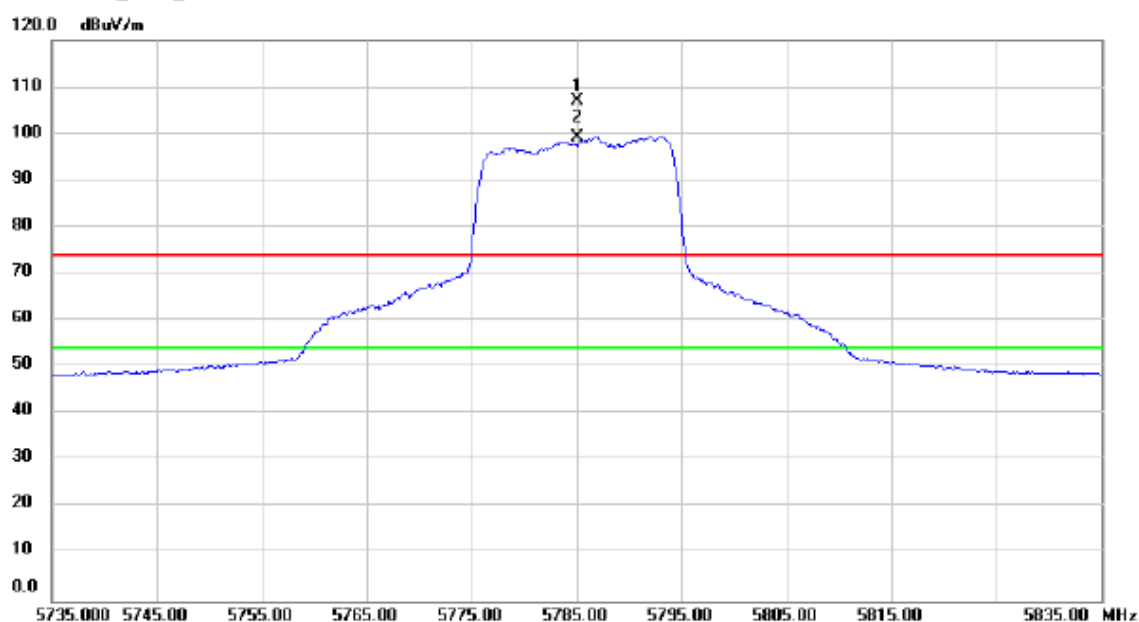
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5710.140 | 28.21 | 31.99 | 60.20 | 68.20 | -8.00 | peak | Band Edge |
| 2 | | 5723.500 | 40.81 | 32.01 | 72.82 | 78.20 | -5.38 | peak | Band Edge |
| 3 | X | 5745.000 | 70.40 | 32.04 | 102.44 | 74.00 | 28.44 | peak | No Limit |
| 4 | * | 5745.000 | 62.10 | 32.04 | 94.14 | 54.00 | 40.14 | AVG | No Limit |

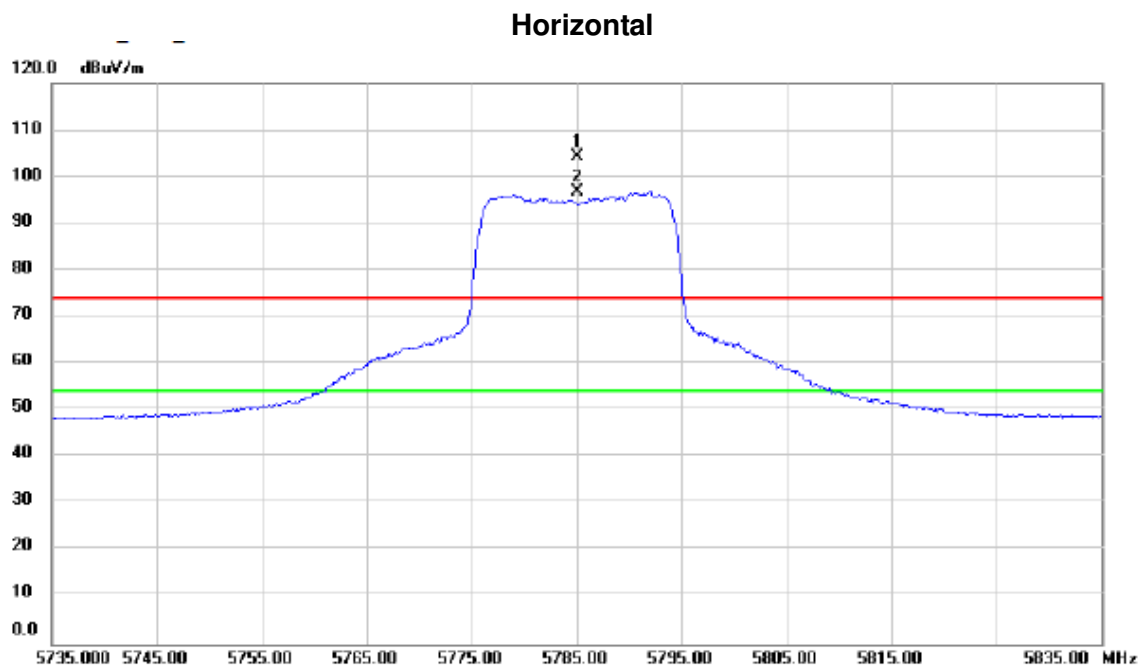
| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5785MHz |

Vertical



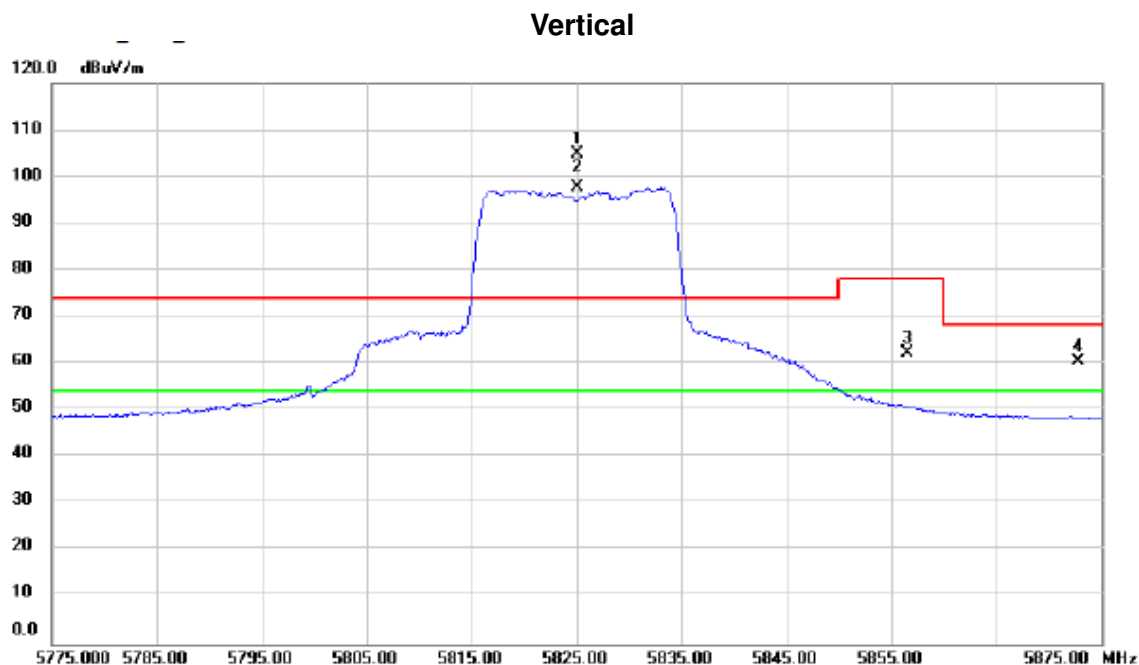
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5785.000 | 74.95 | 32.10 | 107.05 | 74.00 | 33.05 | peak | No Limit |
| 2 | * | 5785.000 | 67.15 | 32.10 | 99.25 | 54.00 | 45.25 | AVG | No Limit |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5785MHz |



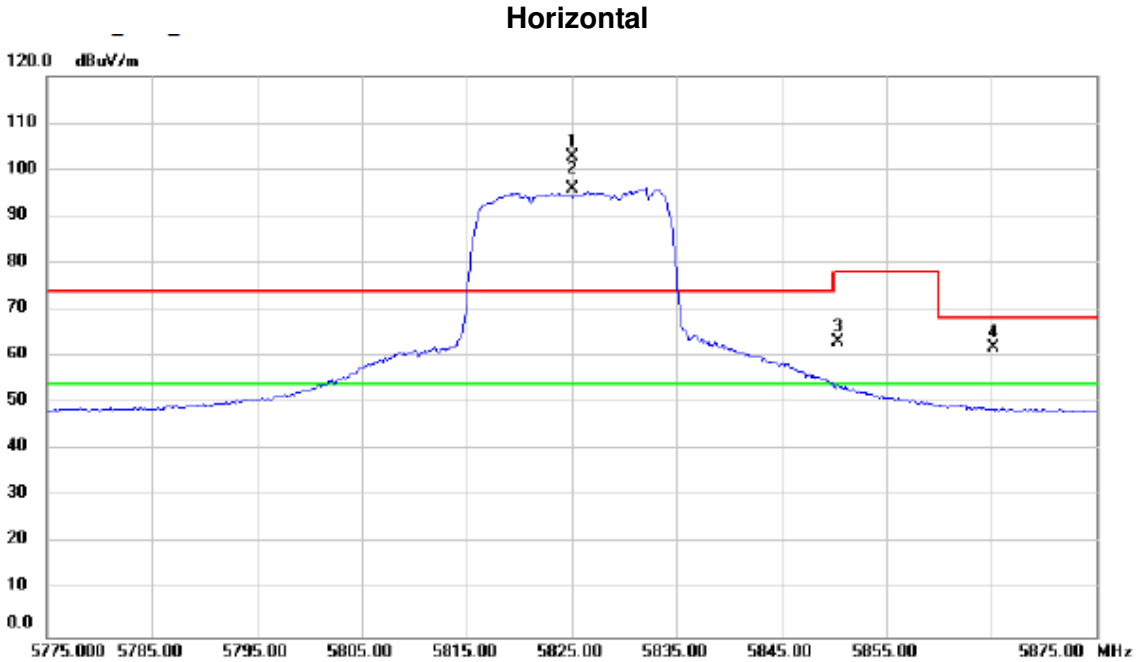
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 5785.000 | 72.20 | 32.10 | 104.30 | 74.00 | 30.30 | peak | No Limit |
| 2 | X | 5785.000 | 64.58 | 32.10 | 96.68 | 74.00 | 22.68 | peak | No Limit |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5825MHz |



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | X | 5825.000 | 72.77 | 32.16 | 104.93 | 74.00 | 30.93 | peak | No Limit |
| 2 | * | 5825.000 | 65.48 | 32.16 | 97.64 | 54.00 | 43.64 | AVG | No Limit |
| 3 | | 5856.475 | 29.91 | 32.20 | 62.11 | 78.20 | -16.09 | peak | Band Edge |
| 4 | | 5872.735 | 28.18 | 32.22 | 60.40 | 68.20 | -7.80 | peak | Band Edge |

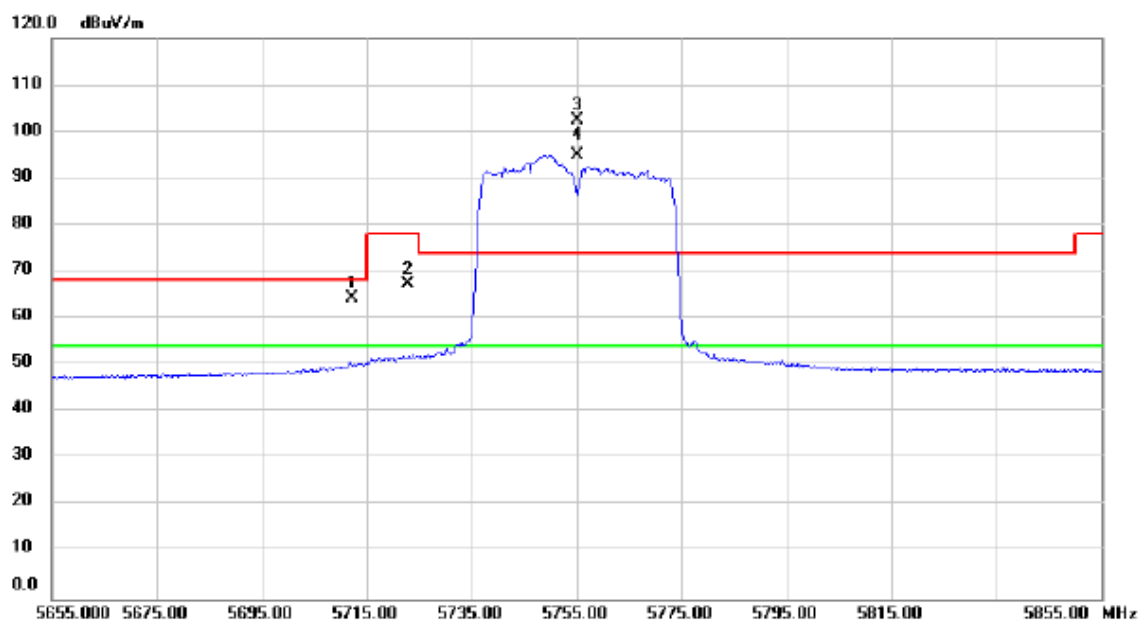
| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N20 Mode 5825MHz |



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | X | 5825.000 | 70.59 | 32.16 | 102.75 | 74.00 | 28.75 | peak | No Limit |
| 2 | * | 5825.000 | 63.84 | 32.16 | 96.00 | 54.00 | 42.00 | AVG | No Limit |
| 3 | | 5850.450 | 31.09 | 32.19 | 63.28 | 78.20 | -14.92 | peak | Band Edge |
| 4 | | 5865.145 | 29.85 | 32.21 | 62.06 | 68.20 | -6.14 | peak | Band Edge |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5755MHz |

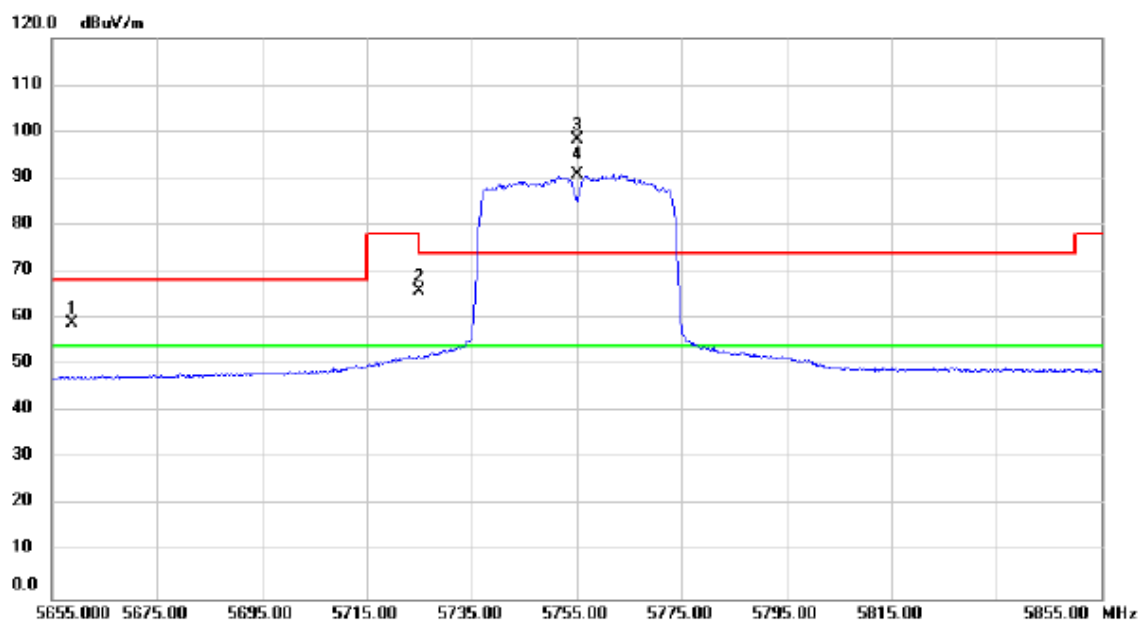
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5712.240 | 32.47 | 32.00 | 64.47 | 68.20 | -3.73 | peak | Band Edge |
| 2 | | 5722.830 | 35.42 | 32.01 | 67.43 | 78.20 | -10.77 | peak | Band Edge |
| 3 | X | 5755.000 | 70.32 | 32.06 | 102.38 | 74.00 | 28.38 | peak | No Limit |
| 4 | * | 5755.000 | 63.02 | 32.06 | 95.08 | 54.00 | 41.08 | AVG | No Limit |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5755MHz |

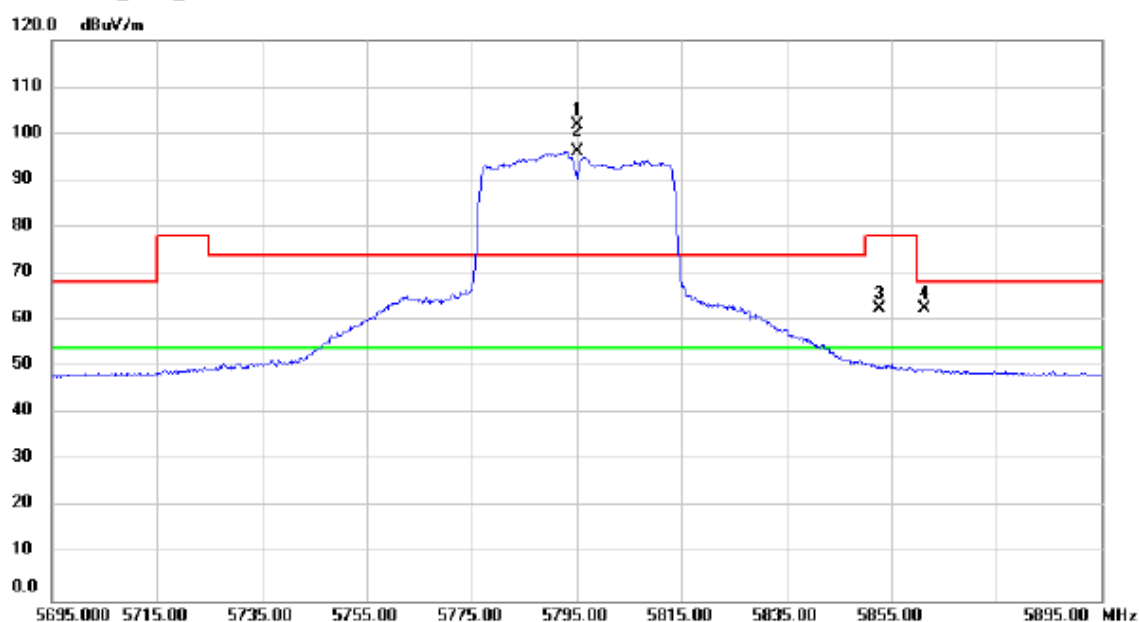
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|-----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 5658.840 | 26.98 | 31.92 | 58.90 | 68.20 | -9.30 | peak | Band Edge |
| 2 | | 5724.980 | 33.90 | 32.01 | 65.91 | 78.20 | -12.29 | peak | Band Edge |
| 3 | X | 5755.000 | 66.06 | 32.06 | 98.12 | 74.00 | 24.12 | peak | No Limit |
| 4 | * | 5755.000 | 58.67 | 32.06 | 90.73 | 54.00 | 36.73 | AVG | No Limit |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5795MHz |

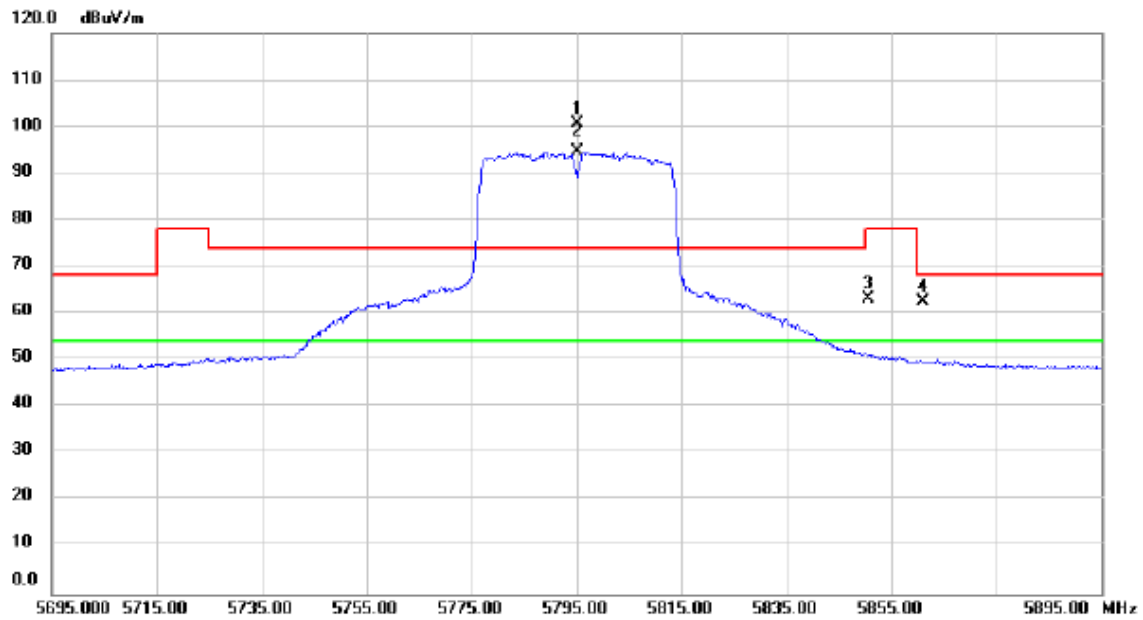
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | X | 5795.000 | 69.89 | 32.11 | 102.00 | 74.00 | 28.00 | peak | No Limit |
| 2 | * | 5795.000 | 64.02 | 32.11 | 96.13 | 54.00 | 42.13 | AVG | No Limit |
| 3 | | 5852.790 | 30.41 | 32.19 | 62.60 | 78.20 | -15.60 | peak | Band Edge |
| 4 | | 5861.260 | 30.42 | 32.21 | 62.63 | 68.20 | -5.57 | peak | Band Edge |

| | |
|------------------|----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX N40 Mode 5795MHz |

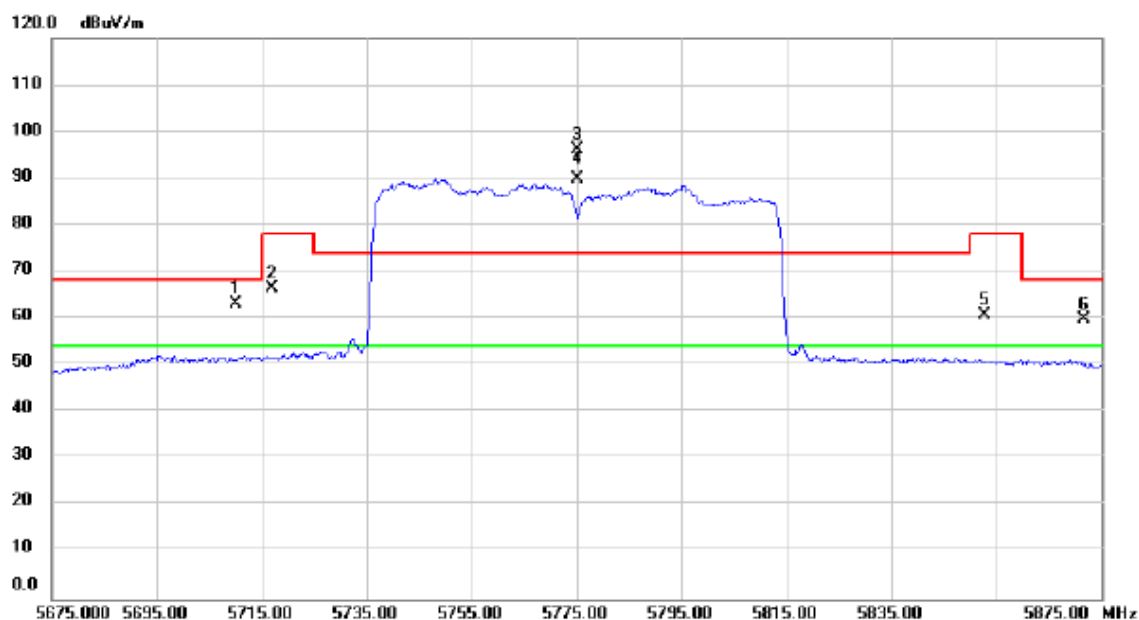
Horizontal



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|-----------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | X | 5795.000 | 68.67 | 32.11 | 100.78 | 74.00 | 26.78 | peak | No Limit |
| 2 | * | 5795.000 | 62.44 | 32.11 | 94.55 | 54.00 | 40.55 | AVG | No Limit |
| 3 | | 5850.675 | 31.08 | 32.19 | 63.27 | 78.20 | -14.93 | peak | Band Edge |
| 4 | | 5861.085 | 30.25 | 32.21 | 62.46 | 68.20 | -5.74 | peak | Band Edge |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX AC80 Mode 5775MHz |

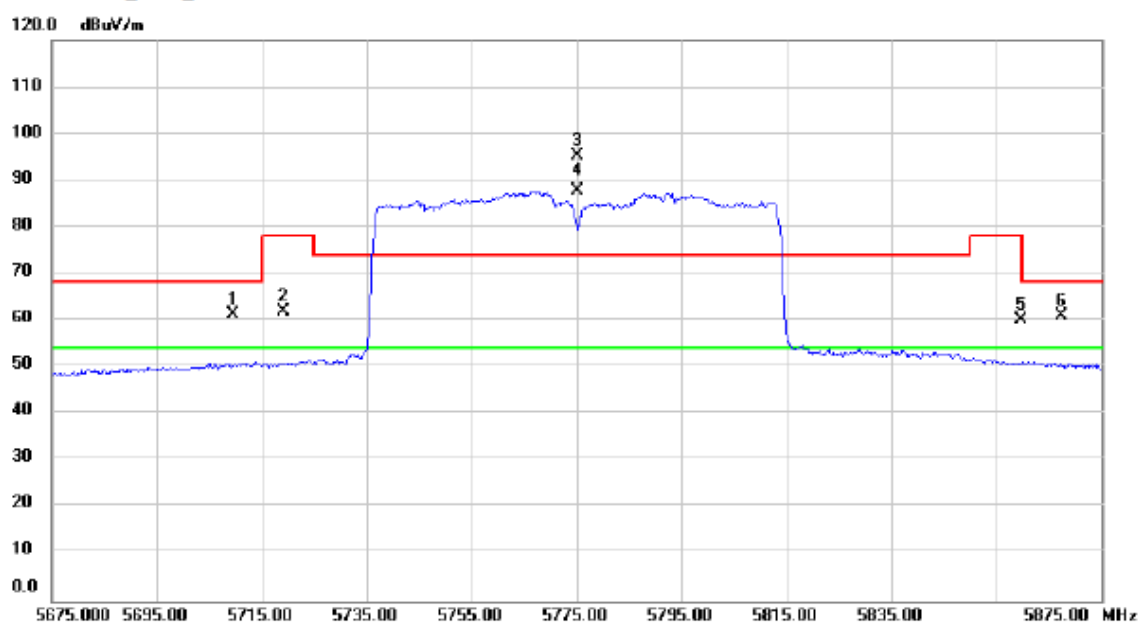
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5710.160 | 31.25 | 31.99 | 63.24 | 68.20 | -4.96 | peak | Band Edge |
| 2 | | 5717.100 | 34.33 | 32.00 | 66.33 | 78.20 | -11.87 | peak | Band Edge |
| 3 | X | 5775.000 | 64.20 | 32.09 | 96.29 | 74.00 | 22.29 | peak | No Limit |
| 4 | * | 5775.000 | 57.62 | 32.09 | 89.71 | 54.00 | 35.71 | AVG | No Limit |
| 5 | | 5852.630 | 28.55 | 32.19 | 60.74 | 78.20 | -17.46 | peak | Band Edge |
| 6 | | 5871.565 | 27.72 | 32.22 | 59.94 | 68.20 | -8.26 | peak | Band Edge |

| | |
|------------------|-----------------------------|
| Orthogonal Axis: | X |
| Test Mode: | UNII-3/TX AC80 Mode 5775MHz |

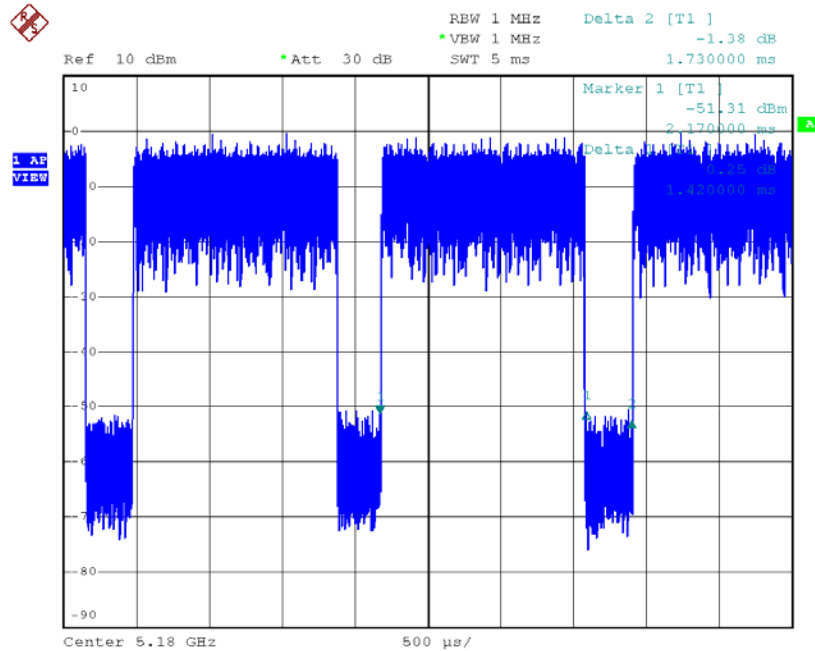
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|-----------|
| 1 | | 5709.640 | 29.36 | 31.99 | 61.35 | 68.20 | -6.85 | peak | Band Edge |
| 2 | | 5719.150 | 29.83 | 32.01 | 61.84 | 78.20 | -16.36 | peak | Band Edge |
| 3 | X | 5775.000 | 63.26 | 32.09 | 95.35 | 74.00 | 21.35 | peak | No Limit |
| 4 | * | 5775.000 | 55.62 | 32.09 | 87.71 | 54.00 | 33.71 | AVG | No Limit |
| 5 | | 5859.600 | 28.01 | 32.20 | 60.21 | 78.20 | -17.99 | peak | Band Edge |
| 6 | | 5867.470 | 28.91 | 32.21 | 61.12 | 68.20 | -7.08 | peak | Band Edge |

Non-Beamforming

TX A Mode_DUTY CYCLE



Date: 4.MAR.2016 10:25:12

Duty cycle: TX DUTYMHZ

$$\text{Duty cycle} = T_{\text{ON}} / T_{\text{Total}}$$

T_{ON} : 1.42 msec

T_{Total} : 1.73 msec

Duty cycle: 82.08%

$$\text{Duty Factor} = 10 \log(1/\text{Duty cycle})$$

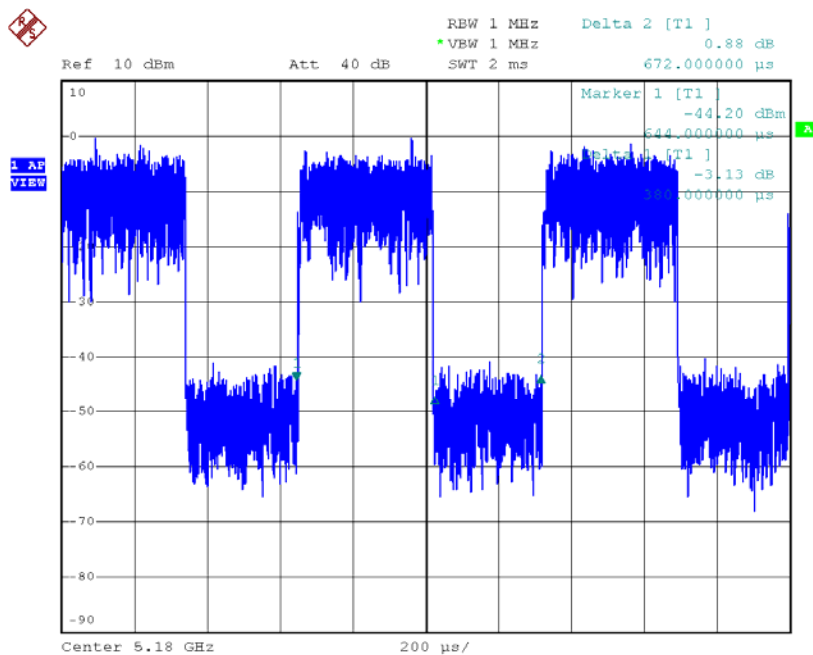
Duty Factor = 0.86

Note: The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is less than 98 %, so, the output power and power density should be calculated as

Output Power = Measured power + Duty factor

Power Spectral Density = Measured density + Duty factor

TX N20 Mode_DUTY CYCLE



Date: 4.MAR.2016 10:43:10

Duty cycle: TX DUTYMHZ

$$\text{Duty cycle} = T_{\text{ON}} / T_{\text{Total}}$$

T_{ON} : 0.38 msec

T_{Total} : 0.672 msec

Duty cycle: 56.54%

$$\text{Duty Factor} = 10 \log(1/\text{Duty cycle})$$

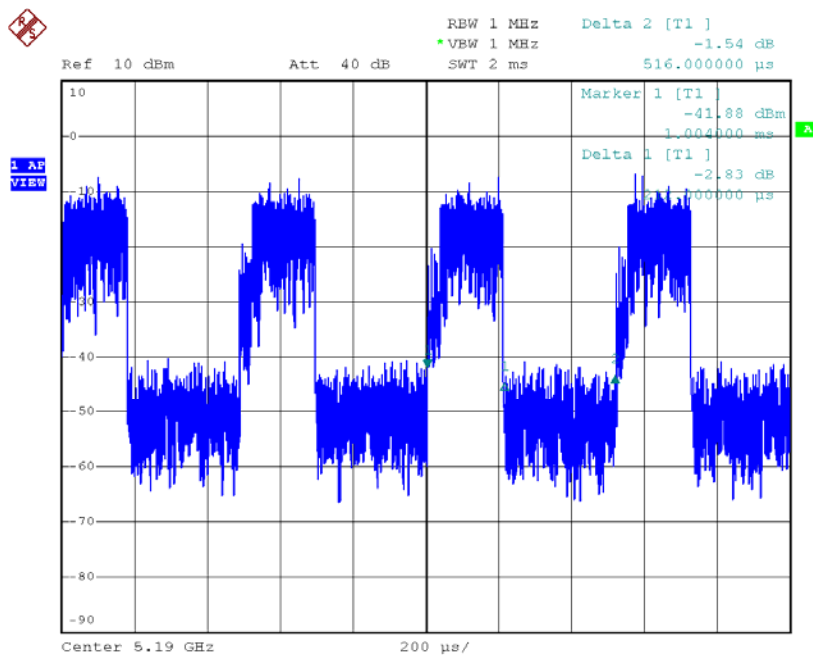
Duty Factor = 2.48

Note: The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is less than 98 %, so, the output power and power density should be calculated as

$$\text{Output Power} = \text{Measured power} + \text{Duty factor}$$

$$\text{Power Spectral Density} = \text{Measured density} + \text{Duty factor}$$

TX N40 Mode_DUTY CYCLE



Date: 4.MAR.2016 10:40:33

Duty cycle: TX DUTYMHZ

$$\text{Duty cycle} = T_{\text{ON}} / T_{\text{Total}}$$

T_{ON} : 0.212msec

T_{Total} : 0.516 msec

Duty cycle: 41.09%

$$\text{Duty Factor} = 10 \log(1/\text{Duty cycle})$$

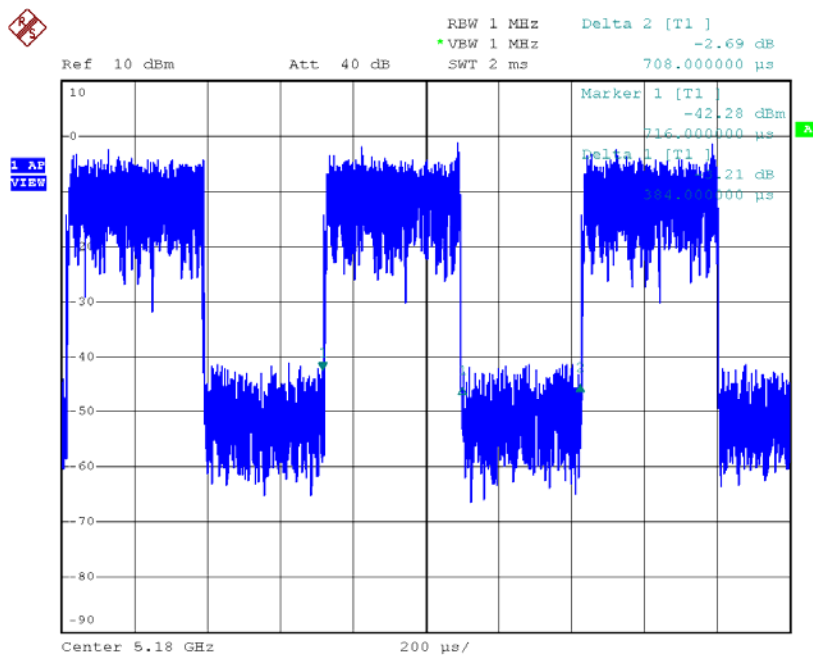
Duty Factor = 3.86

Note: The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is less than 98 %, so, the output power and power density should be calculated as

$$\text{Output Power} = \text{Measured power} + \text{Duty factor}$$

$$\text{Power Spectral Density} = \text{Measured density} + \text{Duty factor}$$

TX AC20 Mode_DUTY CYCLE



Date: 4.MAR.2016 10:45:10

Duty cycle: TX DUTYMHZ

$$\text{Duty cycle} = T_{\text{ON}} / T_{\text{Total}}$$

T_{ON} : 0.384 msec

T_{Total} : 0.708 msec

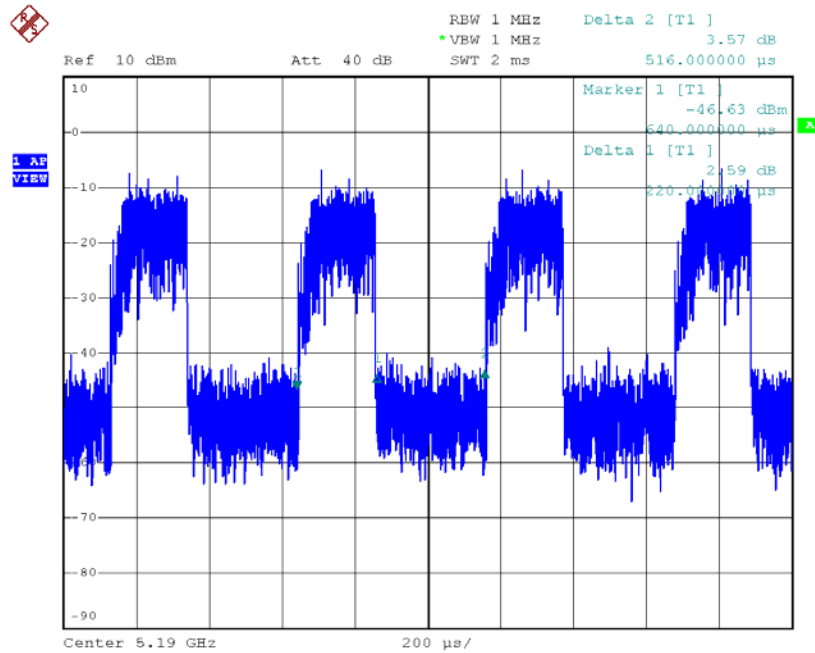
Duty cycle: 54.24%

$$\text{Duty Factor} = 10 \log(1/\text{Duty cycle})$$

Duty Factor = 2.66

Note: The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be calculated as Output Power = Measured power + Duty factor
 Power Spectral Density = Measured density + Duty factor

TX AC40 Mode_DUTY CYCLE



Date: 4.MAR.2016 10:48:20

Duty cycle: TX DUTYMHZ

$$\text{Duty cycle} = T_{\text{ON}} / T_{\text{Total}}$$

T_{ON} : 0.22 msec

T_{Total} : 0.516 msec

Duty cycle: 42.64%

$$\text{Duty Factor} = 10 \log(1/\text{Duty cycle})$$

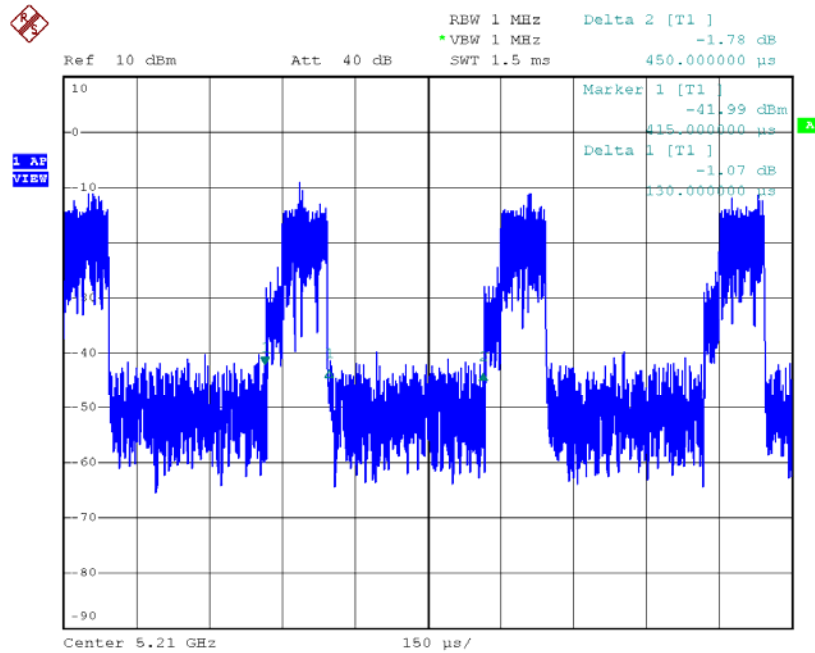
Duty Factor = 3.70

Note: The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is less than 98 %, so, the output power and power density should be calculated as

$$\text{Output Power} = \text{Measured power} + \text{Duty factor}$$

$$\text{Power Spectral Density} = \text{Measured density} + \text{Duty factor}$$

TX AC80 Mode_DUTY CYCLE



Date: 4.MAR.2016 10:52:47

Duty cycle: TX DUTYMHZ

$$\text{Duty cycle} = T_{\text{ON}} / T_{\text{Total}}$$

T_{ON} : 0.13 msec

T_{Total} : 0.45 msec

Duty cycle: 28.89%

$$\text{Duty Factor} = 10 \log(1/\text{Duty cycle})$$

Duty Factor = 5.39

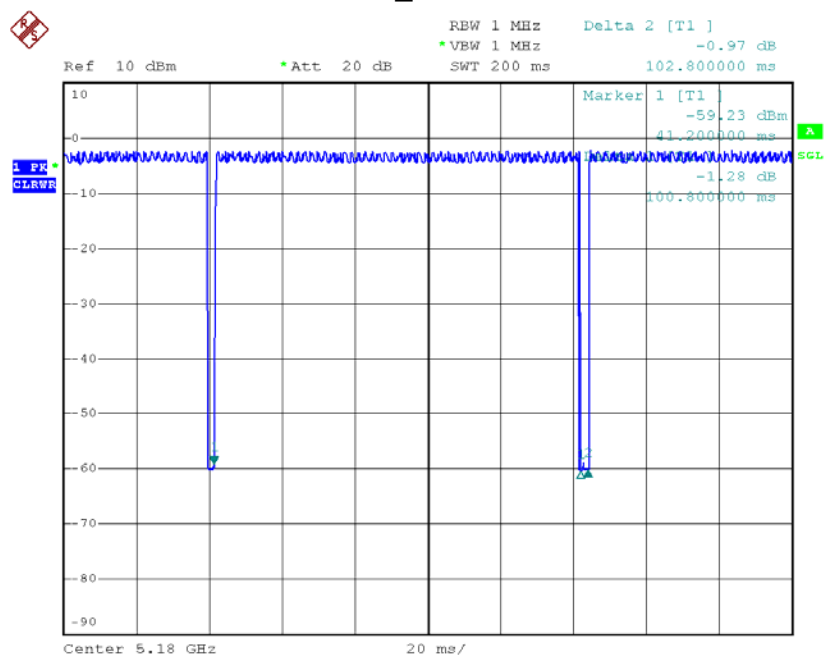
Note: The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is less than 98 %, so, the output power and power density should be calculated as

$$\text{Output Power} = \text{Measured power} + \text{Duty factor}$$

$$\text{Power Spectral Density} = \text{Measured density} + \text{Duty factor}$$

Beamforming

TX N20 Mode_DUTY CYCLE



Date: 29.MAR.2016 00:12:17

Duty cycle: TX DUTYMHz

Duty cycle = T_{ON} / T_{Total}

T_{ON} : 0.1008 msec

T_{Total} : 0.1028 msec

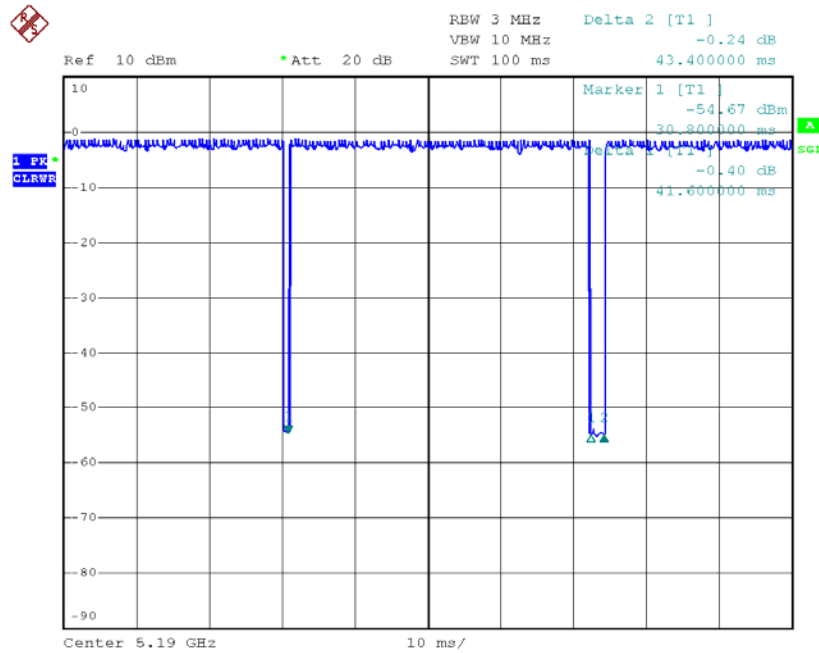
Duty cycle: 98.054%

Duty Factor = $10 \log(1/Duty \text{ cycle})$

Duty Factor = 0.09

Note: The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be calculated as Output Power = Measured power + Duty factor
 Power Spectral Density = Measured density + Duty factor

TX N40 Mode_DUTY CYCLE



Date: 29.MAR.2016 00:09:33

Duty cycle: TX DUTYMHZ

$$\text{Duty cycle} = T_{\text{ON}} / T_{\text{Total}}$$

T_{ON} : 0.0418 msec

T_{Total} : 0.0434 msec

Duty cycle: 95.85%

$$\text{Duty Factor} = 10 \log(1/\text{Duty cycle})$$

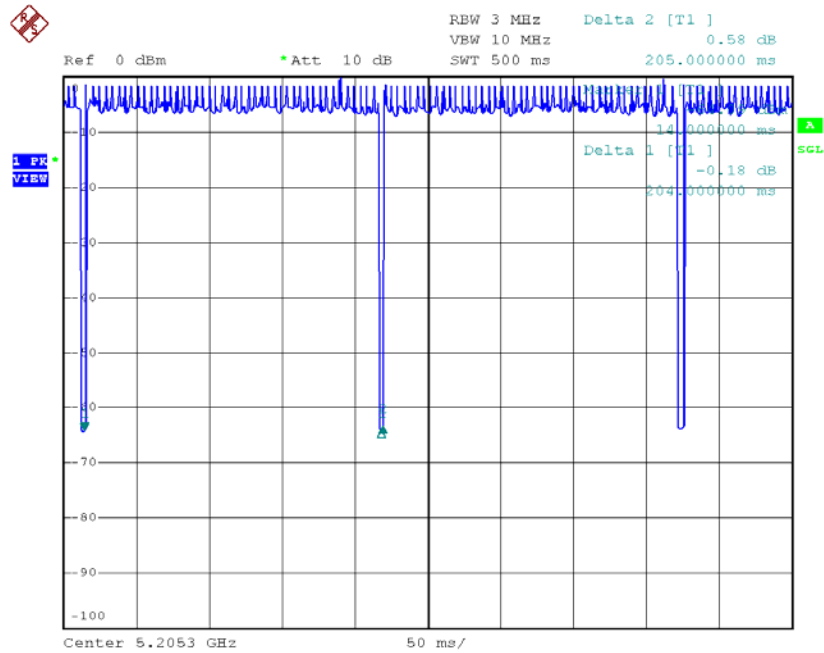
Duty Factor = 0.18

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is less than 98 %, so, the output power and power density should be cacluated as

$$\text{Output Power} = \text{Measured power} + \text{Ducy factor}$$

$$\text{Power Spectral Density} = \text{Measured density} + \text{Duty factor}$$

TX AC80 Mode_DUTY CYCLE



Date: 29.MAR.2016 00:06:16

Duty cycle: TX DUTYMHZ

$$\text{Duty cycle} = T_{\text{ON}} / T_{\text{Total}}$$

T_{ON} : 0.204 msec

T_{Total} : 0.205 msec

Duty cycle: 99.51%

$$\text{Duty Factor} = 10 \log(1/\text{Duty cycle})$$

Duty Factor = 0.02

Note: The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is less than 98 %, so, the output power and power density should be calculated as

$$\text{Output Power} = \text{Measured power} + \text{Duty factor}$$

$$\text{Power Spectral Density} = \text{Measured density} + \text{Duty factor}$$

ATTACHMENT F - BANDWIDTH