

# FCC Radio Test Report

## FCC ID: KA2COVR1100B1

This report concerns: Original Grant

**Project No.** : 2012H038  
**Equipment** : 1) AC1200 Dual Band Mesh Wi-Fi Router  
2) AC1200 Dual Band Whole Home Mesh Wi-Fi Router  
**Brand Name** : D-Link  
**Test Model** : COVR-1100  
**Series Model** : COVR-1102/COVR-1103  
**Applicant** : D-Link Corporation  
**Address** : 17595 Mt. Herrmann Fountain Valley, CA92708 USA  
**Manufacturer** : D-Link Corporation  
**Address** : No.289, Sinhu 3rd Rd., Neihu District, Taipei City 114, Taiwan  
**Date of Receipt** : Dec. 25, 2020  
**Date of Test** : Dec. 25, 2020~Jan. 22, 2021  
**Issued Date** : Feb. 24, 2021  
**Report Version** : R01  
**Test Sample** : Engineering Sample No.: SH20201223122, SH20201223123  
**Standard(s)** : FCC Part15, Subpart E(15.407)  
ANSI C63.10-2013  
FCC KDB 789033 D02 General UNII Test Procedures New Rules  
v02r01  
FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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

Maker Qi

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**Limitation**

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

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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**REPORT ISSUED HISTORY**

| Report Version | Description                                           | Issued Date   |
|----------------|-------------------------------------------------------|---------------|
| R00            | Original Issue.                                       | Feb. 23, 2021 |
| R01            | Deleting the test photos for Short-term confidential. | Feb. 24, 2021 |

## 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| FCC Part15, Subpart E(15.407)       |                                        |                                        |           |          |
|-------------------------------------|----------------------------------------|----------------------------------------|-----------|----------|
| Standard(s)<br>Section              | Test Item                              | Test Result                            | Judgement | Remark   |
| 15.207<br>15.407(b)                 | AC Power Line Conducted Emissions      | APPENDIX A                             | PASS      | -----    |
| 15.407(b)<br>15.205(a)<br>15.209(a) | Radiated Emissions                     | APPENDIX B<br>APPENDIX C<br>APPENDIX D | PASS      | -----    |
| 15.407(a)<br>15.407(e)              | Spectrum Bandwidth                     | APPENDIX E                             | PASS      | -----    |
| 15.407(a)                           | Maximum Output Power                   | APPENDIX F                             | PASS      | -----    |
| 15.407(a)                           | Power Spectral Density                 | APPENDIX G                             | PASS      | -----    |
| 15.203                              | Antenna Requirements                   | -----                                  | PASS      | NOTE (3) |
| 15.407(c)                           | Automatically Discontinue Transmission | -----                                  | PASS      | NOTE (3) |

Note:

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

### 1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210,China

BTL's Test Firm Registration Number for FCC: 476765

BTL's Designation Number for FCC: CN1241

### 1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ( $k=2$ ))

The BTL measurement uncertainty as below table:

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

| Test Site | Method | Measurement Frequency Range | U, (dB) |
|-----------|--------|-----------------------------|---------|
| SH-C01    | CISPR  | 150 kHz ~ 30 MHz            | 2.70    |

#### B. Radiated emissions test:

| Test Site | Method | Measurement Frequency Range | Ant.<br>H / V | U, (dB) |
|-----------|--------|-----------------------------|---------------|---------|
| SH-CB01   | CISPR  | 9 KHz~30 MHz                | V             | 3.79    |
|           |        | 9 KHz~30 MHz                | H             | 3.57    |
|           |        | 30 MHz~200 MHz              | V             | 4.04    |
|           |        | 30 MHz~200 MHz              | H             | 3.76    |
|           |        | 200 MHz~1,000 MHz           | V             | 4.24    |
|           |        | 200 MHz~1,000 MHz           | H             | 3.84    |
|           |        | 1 GHz~18 GHz                | V             | 4.46    |
|           |        | 1 GHz~18 GHz                | H             | 4.40    |
|           |        | 18 GHz~40 GHz               | V             | 3.95    |
|           |        | 18 GHz~40 GHz               | H             | 3.95    |

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

### 1.3 TEST ENVIRONMENT CONDITIONS

| Test Item                         | Temperature | Humidity | Test Voltage | Tested By   |
|-----------------------------------|-------------|----------|--------------|-------------|
| AC Power Line Conducted Emissions | 18°C        | 45%      | AC 120V/60Hz | Joven Xiong |
| Radiated Emissions-30 MHz to 1GHz | 24°C        | 58%      | AC 120V/60Hz | Forest Li   |
| Radiated Emissions-Above 1000 MHz | 24°C        | 58%      | AC 120V/60Hz | Forest Li   |
| Spectrum Bandwidth                | 20°C        | 40%      | AC 120V/60Hz | Vince Zong  |
| Maximum Output Power              | 20°C        | 40%      | AC 120V/60Hz | Vince Zong  |
| Power Spectral Density            | 20°C        | 40%      | AC 120V/60Hz | Vince Zong  |

## 2. GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

|                                                             |                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment                                                   | 1) AC1200 Dual Band Mesh Wi-Fi Router<br>2) AC1200 Dual Band Whole Home Mesh Wi-Fi Router                                                                                                                                                               |
| Brand Name                                                  | D-Link                                                                                                                                                                                                                                                  |
| Test Model                                                  | COVR-1100                                                                                                                                                                                                                                               |
| Series Model                                                | COVR-1102/COVR-1103                                                                                                                                                                                                                                     |
| Model Difference(s)                                         | COVR-1100 Product Name: AC1200 Dual Band Mesh Wi-Fi Router (one set).<br>COVR-1102 Product Name: AC1200 Dual Band Whole Home Mesh Wi-Fi Router (two sets).<br>COVR-1103 Product Name: AC1200 Dual Band Whole Home Mesh Wi-Fi Router (three sets).       |
| Software Version                                            | V2.00                                                                                                                                                                                                                                                   |
| Hardware Version                                            | B1                                                                                                                                                                                                                                                      |
| Power Source                                                | DC voltage supplied from AC/DC adapter.<br>1#Brand/Mode:WB-12G12R<br>2#Brand/Mode:MAUS-1201001202<br>3#Brand/Mode:S12A14-120A100-PT<br>4#Brand/Mode:S12A12-120A100-CJ                                                                                   |
| Power Rating                                                | 1# I/P: 100V-240V ~ 50Hz/60Hz 0.3A Max, O/P:12.0V === 1.0A. 12.0W<br>2# I/P: 100V-240V ~ 50Hz/60Hz 0.35A, O/P:12V === 1.0A.<br>3# I/P: 100V-240V ~ 50Hz/60Hz 0.4A, O/P:12.0V === 1.0A. 12.0W<br>4# I/P: 100V-240V ~ 50Hz/60Hz max 0.5A, O/P:12V === 1A. |
| Operation Frequency                                         | UNII-1: 5150 MHz~5250 MHz<br>UNII-3: 5725 MHz~5850 MHz                                                                                                                                                                                                  |
| Modulation Type                                             | OFDM                                                                                                                                                                                                                                                    |
| Bit Rate of Transmitter                                     | Up to 866.7 Mbps                                                                                                                                                                                                                                        |
| Maximum Conducted Output Power for UNII-1 (1TX)             | IEEE 802.11a: 26.07 dBm (0.4046 W)                                                                                                                                                                                                                      |
| Maximum Conducted Output Power for UNII-3 (1TX)             | IEEE 802.11a: 26.23 dBm (0.4198 W)                                                                                                                                                                                                                      |
| Maximum Conducted Output Power for UNII-1 (2TX) CDD         | IEEE 802.11n (HT20): 27.19 dBm (0.5236 W)<br>IEEE 802.11n (HT40): 27.06 dBm (0.5082 W)<br>IEEE 802.11ac (VHT20): 27.31 dBm (0.5383 W)<br>IEEE 802.11ac (VHT40): 27.70 dBm (0.5888 W)<br>IEEE 802.11ac (VHT80): 24.41 dBm (0.2761 W)                     |
| Maximum Conducted Output Power for UNII-3 (2TX) CDD         | IEEE 802.11n (HT20): 28.84 dBm (0.7656 W)<br>IEEE 802.11n (HT40): 28.05 dBm (0.6383 W)<br>IEEE 802.11ac (VHT20): 28.96 dBm (0.7870 W)<br>IEEE 802.11ac (VHT40): 28.84 dBm (0.7656 W)<br>IEEE 802.11ac (VHT80): 29.45 dBm (0.8810 W)                     |
| Maximum Conducted Output Power for UNII-1 (2TX) Beamforming | IEEE 802.11n (HT20): 27.02 dBm (0.5035 W)<br>IEEE 802.11n (HT40): 26.88 dBm (0.4875 W)<br>IEEE 802.11ac (VHT20): 27.11 dBm (0.5140 W)<br>IEEE 802.11ac (VHT40): 27.57 dBm (0.5715 W)<br>IEEE 802.11ac (VHT80): 24.26 dBm (0.2667 W)                     |
| Maximum Conducted Output Power for UNII-3 (2TX) Beamforming | IEEE 802.11n (HT20): 28.46 dBm (0.7015 W)<br>IEEE 802.11n (HT40): 27.84 dBm (0.6081 W)<br>IEEE 802.11ac (VHT20): 28.44 dBm (0.6982 W)<br>IEEE 802.11ac (VHT40): 28.38 dBm (0.6887 W)<br>IEEE 802.11ac (VHT80): 28.34 dBm (0.6823 W)                     |



Note:

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

## 2 Channel List:

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

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

### 3. Antenna Specification:

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) | Note |
|------|-------|------------|--------------|-----------|------------|------|
| 1    | N/A   | N/A        | Internal     | N/A       | 4.5        | N/A  |
| 2    | N/A   | N/A        | Internal     | N/A       | 4.5        | N/A  |

Note:

(1) The antenna gain is provided by the manufacturer.

(2) CDD:

All antennas have the same gain, Directional gain =  $G_{ANT} + \text{Array Gain}$ ,

For power spectral density measurements,  $N_{ANT} = 2$ ,  $N_{SS} = 1$ . So Directional gain =  $G_{ANT} +$

Array Gain =  $G_{ANT} + 10 \log(N_{ANT}/N_{SS}) \text{ dB} = 4.5 + 10 \log(2/1) \text{ dBi} = 7.51$ . Then, the UNII-1 power density limit is  $17 - (7.51 - 6) = 15.49$ . the UNII-3 power density limit is  $30 - (7.51 - 6) = 28.49$

For power measurements, Array Gain = 0 dB ( $N_{ANT} \leq 4$ ), so the Directional gain = 4.5.

Beamforming:

All antennas have the same gain, Directional gain =  $G_{ANT} + 10 \log(N_{ANT}) \text{ dBi}$ ,

that is Directional gain =  $4.5 + 10 \log(2) \text{ dBi} = 7.51$ ;

So output power limit is  $30 - (7.51 - 6) = 28.49$ , the UNII-1 power density limit is

$17 - (7.51 - 6) = 15.49$ . the UNII-3 power density limit is  $30 - (7.51 - 6) = 28.49$ .

### 4. Table for Antenna Configuration:

| Operating Mode<br>TX Mode | Ant. 1 | Ant. 2 | Ant. 1 + Ant. 2 |
|---------------------------|--------|--------|-----------------|
| 802.11a                   | ✓      | ✓      | ✗               |
| 802.11n(20 MHz)           | ✓      | ✓      | ✓               |
| 802.11n(40 MHz)           | ✓      | ✓      | ✓               |
| 802.11ac(20 MHz)          | ✓      | ✓      | ✓               |
| 802.11ac(40 MHz)          | ✓      | ✓      | ✓               |
| 802.11ac(80 MHz)          | ✓      | ✓      | ✓               |

## 2.2 TEST MODES

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

| Pretest Mode | Description                                     |
|--------------|-------------------------------------------------|
| Mode 1       | TX A Mode / CH36, CH44, CH48 (UNII-1)           |
| Mode 2       | TX N (HT20) Mode / CH36, CH44, CH48 (UNII-1)    |
| Mode 3       | TX N (HT40) Mode / CH38, CH46 (UNII-1)          |
| Mode 4       | TX AC (VHT20) Mode / CH36, CH44, CH48 (UNII-1)  |
| Mode 5       | TX AC (VHT40) Mode / CH38, CH46 (UNII-1)        |
| Mode 6       | TX AC (VHT80) Mode / CH42 (UNII-1)              |
| Mode 7       | TX A Mode / CH149,CH157,CH165 (UNII-3)          |
| Mode 8       | TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)   |
| Mode 9       | TX N (HT40) Mode / CH151,CH159 (UNII-3)         |
| Mode 10      | TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11      | TX AC (VHT40) Mode / CH151,CH159 (UNII-3)       |
| Mode 12      | TX AC (VHT80) Mode / CH155 (UNII-3)             |

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

| AC power line conducted emissions test |                            |
|----------------------------------------|----------------------------|
| Final Test Mode                        | Description                |
| Mode 7                                 | TX A Mode / CH149 (UNII-3) |

| Radiated emissions test |                                                 |
|-------------------------|-------------------------------------------------|
| Final Test Mode         | Description                                     |
| Mode 1                  | TX A Mode / CH36, CH44, CH48 (UNII-1)           |
| Mode 2                  | TX N (HT20) Mode / CH36, CH44, CH48 (UNII-1)    |
| Mode 3                  | TX N (HT40) Mode / CH38, CH46 (UNII-1)          |
| Mode 4                  | TX AC (VHT20) Mode / CH36, CH44, CH48 (UNII-1)  |
| Mode 5                  | TX AC (VHT40) Mode / CH38, CH46 (UNII-1)        |
| Mode 6                  | TX AC (VHT80) Mode / CH42 (UNII-1)              |
| Mode 7                  | TX A Mode / CH149,CH157,CH165 (UNII-3)          |
| Mode 8                  | TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)   |
| Mode 9                  | TX N (HT40) Mode / CH151,CH159 (UNII-3)         |
| Mode 10                 | TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11                 | TX AC (VHT40) Mode / CH151,CH159 (UNII-3)       |
| Mode 12                 | TX AC (VHT80) Mode / CH155 (UNII-3)             |

| Conducted test |                                                 |
|----------------|-------------------------------------------------|
| Test Mode      | Description                                     |
| Mode 1         | TX A Mode / CH36, CH44, CH48 (UNII-1)           |
| Mode 2         | TX N (HT20) Mode / CH36, CH44, CH48 (UNII-1)    |
| Mode 3         | TX N (HT40) Mode / CH38, CH46 (UNII-1)          |
| Mode 4         | TX AC (VHT20) Mode / CH36, CH44, CH48 (UNII-1)  |
| Mode 5         | TX AC (VHT40) Mode / CH38, CH46 (UNII-1)        |
| Mode 6         | TX AC (VHT80) Mode / CH42 (UNII-1)              |
| Mode 7         | TX A Mode / CH149,CH157,CH165 (UNII-3)          |
| Mode 8         | TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)   |
| Mode 9         | TX N (HT40) Mode / CH151,CH159 (UNII-3)         |
| Mode 10        | TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3) |
| Mode 11        | TX AC (VHT40) Mode / CH151,CH159 (UNII-3)       |
| Mode 12        | TX AC (VHT80) Mode / CH155 (UNII-3)             |

Note:

- (1) For radiated emission below 1 GHz and AC Power Line Conducted Emissions test, the IEEE 802.11a is found to be the worst case and recorded.

### 2.3 PARAMETERS OF TEST SOFTWARE

| UNII-1 - 1TX         |                 |      |      |
|----------------------|-----------------|------|------|
| Test Software        | MP_TEST_1.3.8.0 |      |      |
| Test Frequency (MHz) | 5180            | 5220 | 5240 |
| IEEE 802.11a         | 32              | 50   | 35   |

| UNII-3 - 1TX         |                 |      |      |
|----------------------|-----------------|------|------|
| Test Software        | MP_TEST_1.3.8.0 |      |      |
| Test Frequency (MHz) | 5745            | 5785 | 5825 |
| IEEE 802.11a         | 50              | 50   | 50   |

#### CDD

| UNII-1 - 2TX          |                 |      |      |
|-----------------------|-----------------|------|------|
| Test Software         | MP_TEST_1.3.8.0 |      |      |
| Test Frequency (MHz)  | 5180            | 5220 | 5240 |
| IEEE 802.11n (HT20)   | 34              | 45   | 44   |
| IEEE 802.11ac (VHT20) | 34              | 45   | 44   |
| Test Frequency (MHz)  | 5190            | 5230 |      |
| IEEE 802.11n (HT40)   | 32              | 42   |      |
| IEEE 802.11ac (VHT40) | 32              | 42   |      |
| Test Frequency (MHz)  | 5210            |      |      |
| IEEE 802.11ac (VHT80) | 32              |      |      |

| UNII-3 - 2TX          |                 |      |      |
|-----------------------|-----------------|------|------|
| Test Software         | MP_TEST_1.3.8.0 |      |      |
| Test Frequency (MHz)  | 5745            | 5785 | 5825 |
| IEEE 802.11n (HT20)   | 48              | 46   | 45   |
| IEEE 802.11ac (VHT20) | 48              | 46   | 45   |
| Test Frequency (MHz)  | 5755            | 5795 |      |
| IEEE 802.11n (HT40)   | 44              | 45   |      |
| IEEE 802.11ac (VHT40) | 44              | 45   |      |
| Test Frequency (MHz)  | 5775            |      |      |
| IEEE 802.11ac (VHT80) | 46              |      |      |

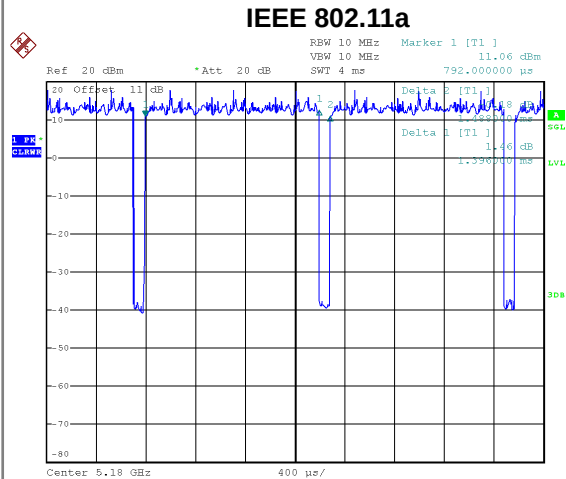
### Beamforming

| UNII-1 - 2TX          |                 |      |      |
|-----------------------|-----------------|------|------|
| Test Software         | MP_TEST_1.3.8.0 |      |      |
| Test Frequency (MHz)  | 5180            | 5220 | 5240 |
| IEEE 802.11n (HT20)   | 34              | 45   | 44   |
| IEEE 802.11ac (VHT20) | 34              | 45   | 44   |
| Test Frequency (MHz)  | 5190            | 5230 |      |
| IEEE 802.11n (HT40)   | 32              | 42   |      |
| IEEE 802.11ac (VHT40) | 32              | 42   |      |
| Test Frequency (MHz)  | 5210            |      |      |
| IEEE 802.11ac (VHT80) | 32              |      |      |

| UNII-3 - 2TX          |                 |      |      |
|-----------------------|-----------------|------|------|
| Test Software         | MP_TEST_1.3.8.0 |      |      |
| Test Frequency (MHz)  | 5745            | 5785 | 5825 |
| IEEE 802.11n (HT20)   | 48              | 46   | 45   |
| IEEE 802.11ac (VHT20) | 48              | 46   | 45   |
| Test Frequency (MHz)  | 5755            | 5795 |      |
| IEEE 802.11n (HT40)   | 44              | 45   |      |
| IEEE 802.11ac (VHT40) | 44              | 45   |      |
| Test Frequency (MHz)  | 5775            |      |      |
| IEEE 802.11ac (VHT80) | 46              |      |      |

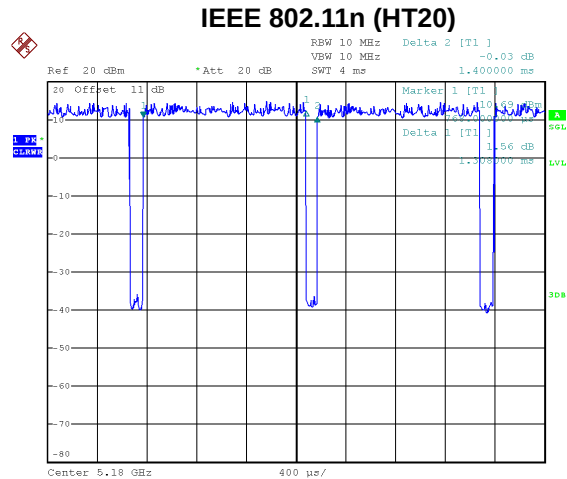
## 2.4 DUTY CYCLE

If duty cycle is  $\geq 98\%$ , duty factor is not required.  
 If duty cycle is  $< 98\%$ , duty factor shall be considered.  
 The output power = measured power + duty factor.



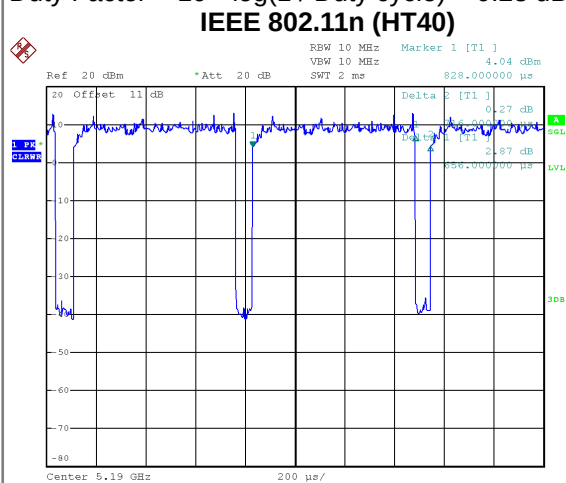
Date: 28.DEC.2020 16:33:27

Duty cycle =  $1.396 \text{ ms} / 1.488 \text{ ms} = 93.82\%$   
 Duty Factor =  $10 * \log(1 / \text{Duty cycle}) = 0.28 \text{ dB}$



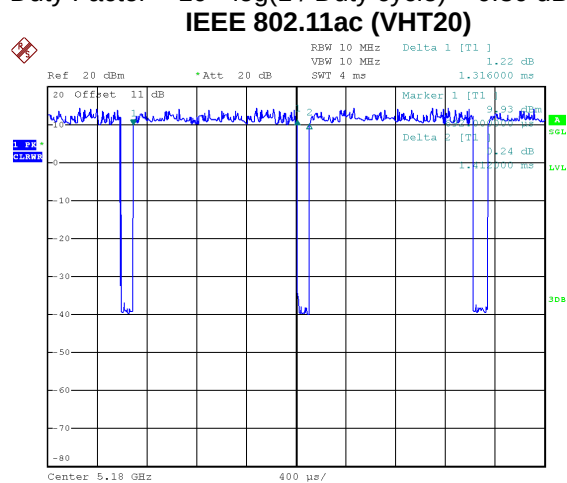
Date: 28.DEC.2020 16:34:04

Duty cycle =  $1.308 \text{ ms} / 1.400 \text{ ms} = 93.43\%$   
 Duty Factor =  $10 * \log(1 / \text{Duty cycle}) = 0.30 \text{ dB}$



Date: 28.DEC.2020 16:35:16

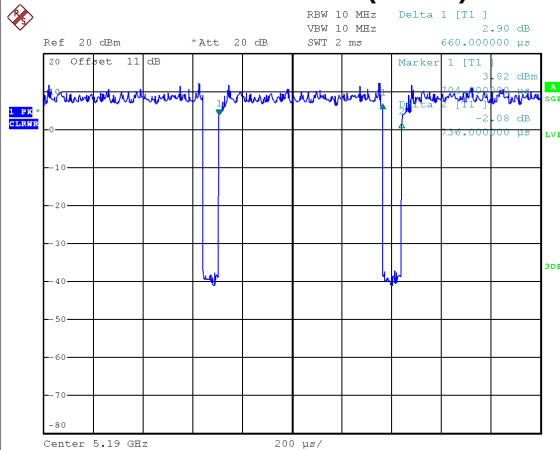
Duty cycle =  $0.656 \text{ ms} / 0.716 \text{ ms} = 91.62\%$   
 Duty Factor =  $10 * \log(1 / \text{Duty cycle}) = 0.38 \text{ dB}$



Date: 28.DEC.2020 16:36:48

Duty cycle =  $1.316 \text{ ms} / 1.412 \text{ ms} = 93.20\%$   
 Duty Factor =  $10 * \log(1 / \text{Duty cycle}) = 0.31 \text{ dB}$

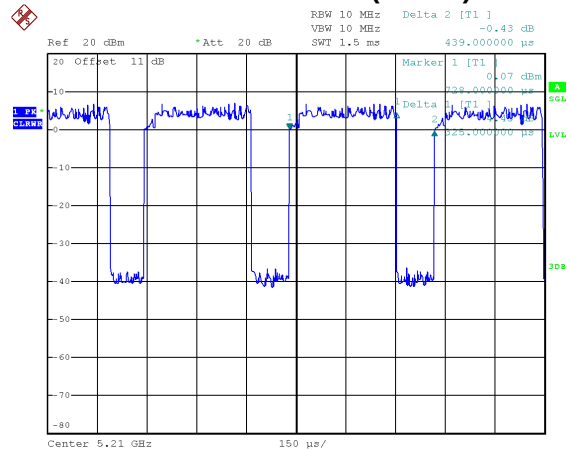
## IEEE 802.11ac (VHT40)



Date: 28.DEC.2020 16:39:33

Duty cycle = 0.660 ms / 0.736 ms = 89.67%  
Duty Factor = 10 \* log(1 / Duty cycle) = 0.47 dB

## IEEE 802.11ac (VHT80)



Date: 28.DEC.2020 16:41:38

Duty cycle = 0.325 ms / 0.439 ms = 74.03%  
Duty Factor = 10 \* log(1 / Duty cycle) = 1.31 dB

### NOTE:

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

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

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

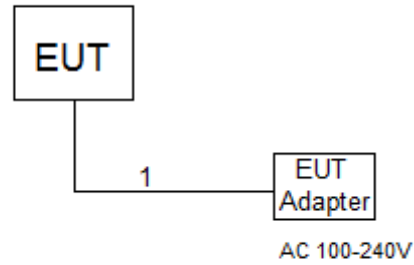
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle < 98%).

For IEEE 802.11ac (VHT80):

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



## 2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



## 2.6 SUPPORT UNITS

| Item | Cable Type | Shielded Type | Ferrite Core | Length |
|------|------------|---------------|--------------|--------|
| 1    | DC         | N/A           | N/A          | 1M     |

### 3. AC POWER LINE CONDUCTED EMISSIONS TEST

#### 3.1 LIMIT

| Frequency<br>(MHz) | Limit (dB $\mu$ V) |           |
|--------------------|--------------------|-----------|
|                    | Quasi-peak         | Average   |
| 0.15 - 0.5         | 66 to 56*          | 56 to 46* |
| 0.50 - 5.0         | 56                 | 46        |
| 5.0 - 30.0         | 60                 | 50        |

NOTE:

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

The following table is the setting of the receiver

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

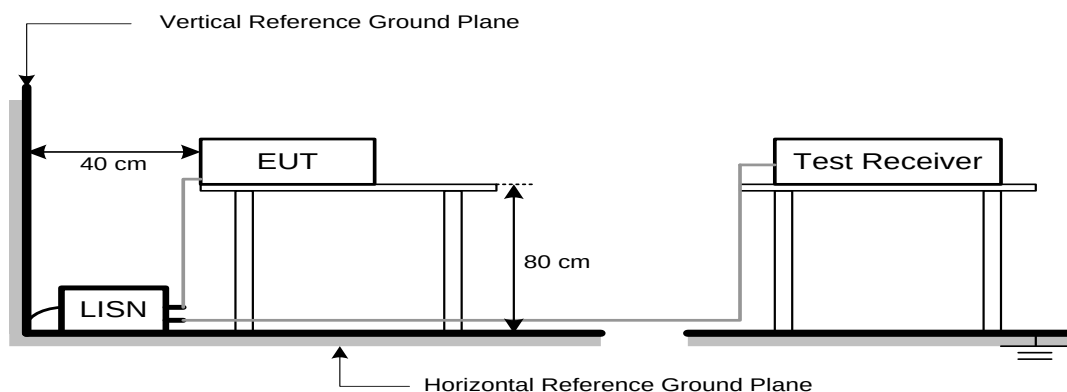
#### 3.2 TEST PROCEDURE

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

#### 3.3 DEVIATION FROM TEST STANDARD

No deviation

### 3.4 TEST SETUP



### 3.5 EUT OPERATION CONDITIONS

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

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

### 3.6 TEST RESULTS

Please refer to the APPENDIX A.

## 4. RADIATED EMISSIONS TEST

### 4.1 LIMIT

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

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

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

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

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

NOTE:

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

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

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

## 4.2 TEST PROCEDURE

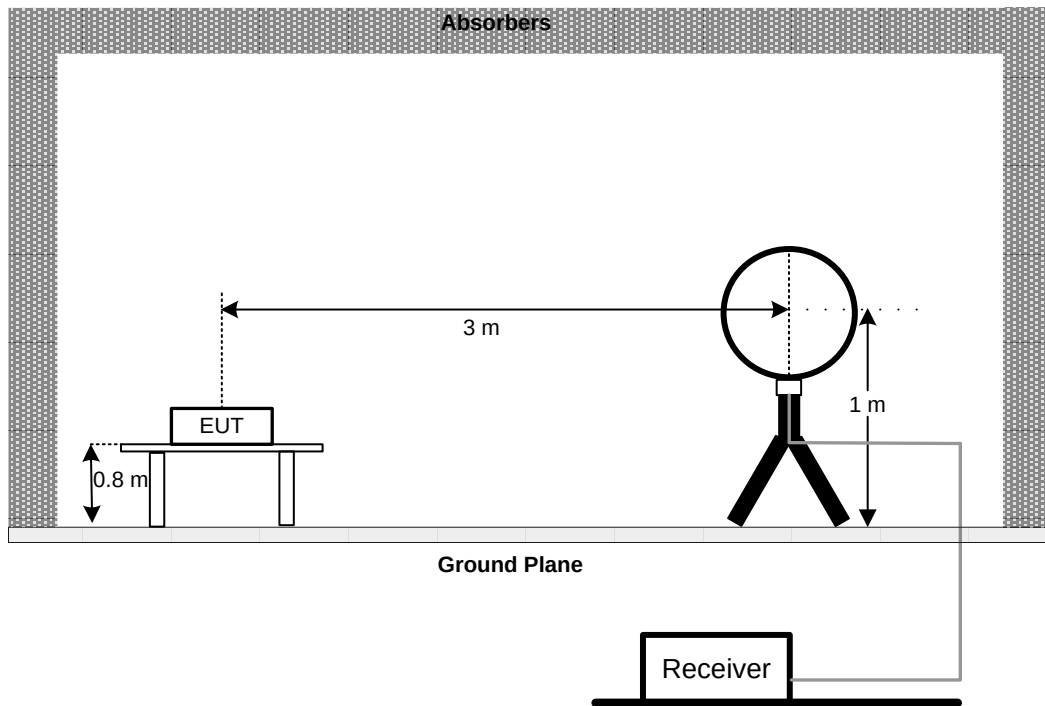
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance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

## 4.3 DEVIATION FROM TEST STANDARD

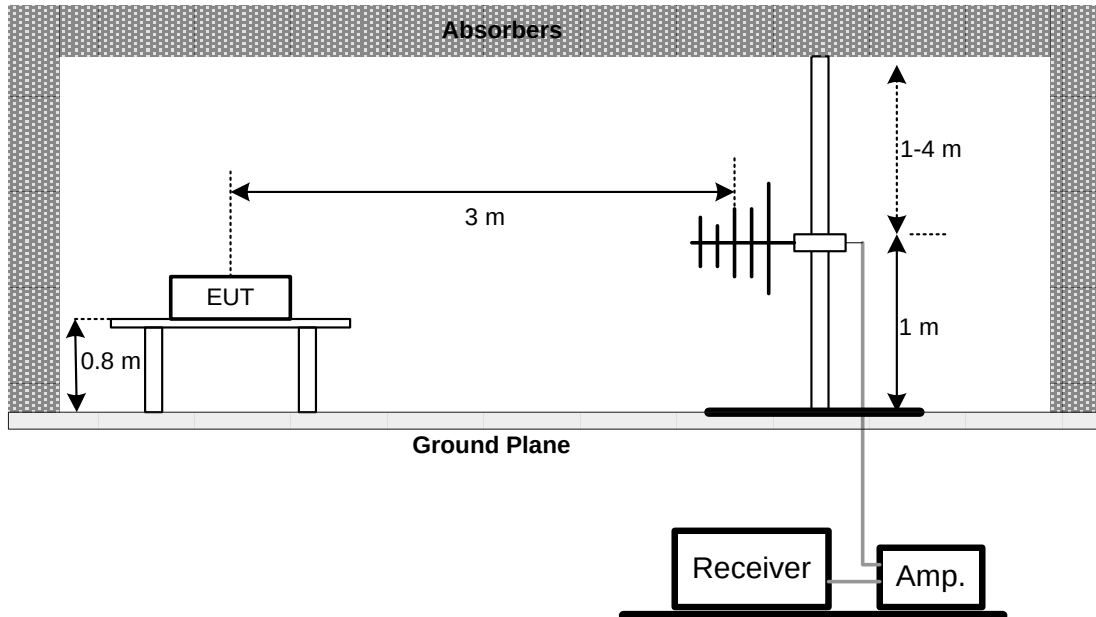
No deviation

## 4.4 TEST SETUP

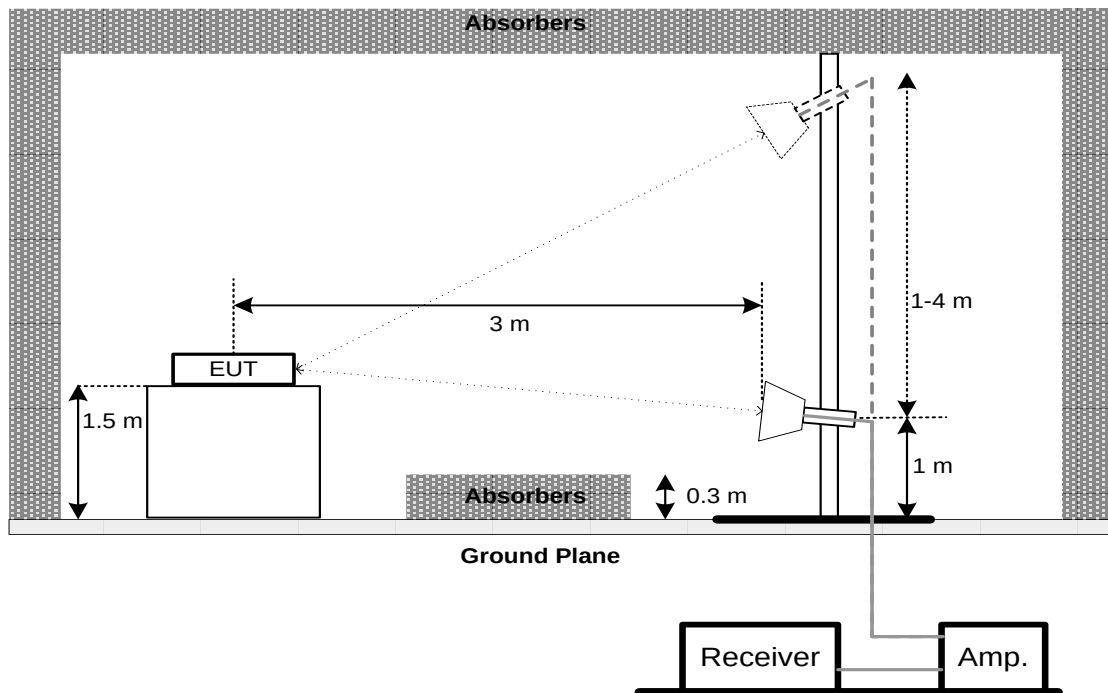
### 9 kHz to 30 MHz



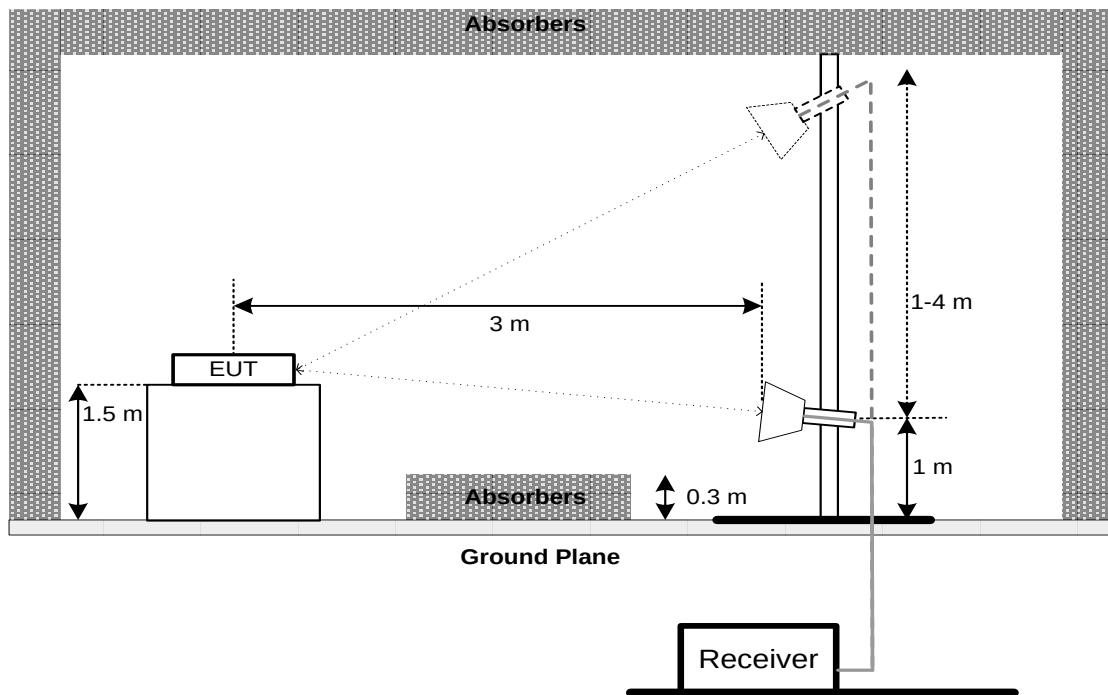
### 30 MHz to 1 GHz



## Above 1 GHz



## Above 1 GHz Band edge



#### **4.5 EUT OPERATION CONDITIONS**

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

#### **4.6 TEST RESULTS - 9 KHZ to 30 MHZ**

Please refer to the APPENDIX 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 =  $40 \log (\text{specific distance} / \text{test distance})$  (dB).
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

#### **4.7 TEST RESULTS - 30 MHz TO 1000 MHz**

Please refer to the APPENDIX C.

#### **4.8 TEST RESULTS - ABOVE 1000 MHz**

Please refer to the APPENDIX D.

Remark:

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



## 5. BANDWIDTH TEST

### 5.1 LIMIT

| FCC Part15, Subpart E (15.407) |                 |                 |                       |
|--------------------------------|-----------------|-----------------|-----------------------|
| Section                        | Test Item       | Limit           | Frequency Range (MHz) |
| 15.407(a)<br>15.407(e)         | 26 dB Bandwidth | -               | 5150-5250             |
|                                | 26 dB Bandwidth | -               | 5250-5350             |
|                                | 26 dB Bandwidth | -               | 5470-5725             |
|                                | 6 dB Bandwidth  | Minimum 500 kHz | 5725-5850             |

### 5.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below
- b. a. Spectrum Setting:  
For UNII-1, UNII-2A, UNII-2C:

| Spectrum Parameter | Setting                                    |
|--------------------|--------------------------------------------|
| Attenuation        | Auto                                       |
| Span Frequency     | > 26 dB Bandwidth                          |
| RBW                | approximately 1% of the emission bandwidth |
| VBW                | > RBW                                      |
| Detector           | Peak                                       |
| Trace              | Max Hold                                   |
| Sweep Time         | Auto                                       |

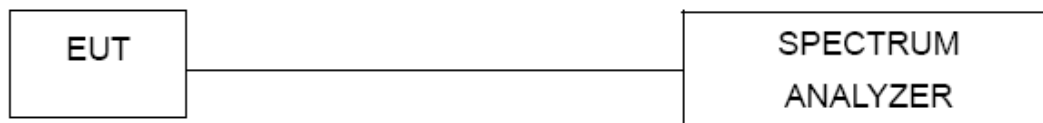
For UNII-3:

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

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

### 5.3 TEST PROCEDURE

No deviation.

**5.4 TEST SETUP****5.5 EUT OPERATION CONDITIONS**

The EUT was programmed to be in continuously transmitting mode.

**5.6 TEST RESULTS**

Please refer to the APPENDIX E.

## 6. MAXIMUM OUTPUT POWER TEST

### 6.1 LIMIT

| FCC Part15, Subpart E (15.407) |                        |                                                              |                       |
|--------------------------------|------------------------|--------------------------------------------------------------|-----------------------|
| Section                        | Test Item              | Limit                                                        | Frequency Range (MHz) |
| 15.407(a)                      | Conducted Output Power | AP device: 1 Watt (30 dBm)<br>Client device: 250 mW (24 dBm) | 5150-5250             |
|                                |                        | 250 mW (24 dBm)                                              | 5250-5350             |
|                                |                        | 250 mW (24 dBm)                                              | 5470-5725             |
|                                |                        | 1 Watt (30dBm)                                               | 5725-5850             |

**Note:**

- a. For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).  
For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.  
For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple colocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.  
For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- b. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

**6.2 TEST PROCEDURE**

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- b. Test test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

**6.3 DEVIATION FROM STANDARD**

No deviation.

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

The EUT was programmed to be in continuously transmitting mode.

**6.6 TEST RESULTS**

Please refer to the APPENDIX F.

## 7. POWER SPECTRAL DENSITY TEST

### 7.1 LIMIT

| FCC Part15, Subpart E (15.407) |                        |                                                    |                       |
|--------------------------------|------------------------|----------------------------------------------------|-----------------------|
| Section                        | Test Item              | Limit                                              | Frequency Range (MHz) |
| 15.407(a)                      | Power Spectral Density | AP device: 17 dBm/MHz<br>Client device: 11 dBm/MHz | 5150-5250             |
|                                |                        | 11 dBm/MHz                                         | 5250-5350             |
|                                |                        | 11 dBm/MHz                                         | 5470-5725             |
|                                |                        | 30 dBm/500 kHz                                     | 5725-5850             |

### 7.2 TEST PROCEDURE

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

| Spectrum Parameter | Setting                                                      |
|--------------------|--------------------------------------------------------------|
| Attenuation        | Auto                                                         |
| Span Frequency     | Encompass the entire emissions bandwidth (EBW) of the signal |
| RBW                | = 1 MHz.                                                     |
| VBW                | ≥ 3 MHz.                                                     |
| Detector           | RMS                                                          |
| Trace average      | 100 trace                                                    |
| Sweep Time         | Auto                                                         |

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 1 MHz and VBW at 3 MHz if the spectrum analyzer does not have 500 kHz RBW.
- The value measured with RBW=1 MHz is to be added with  $10\log(500 \text{ kHz}/1 \text{ MHz})$  which is -3 dB. For example, if the measured value is +10dBm using RBW=1 MHz (that is +10 dBm/MHz), then the converted value will be +7dBm/500kHz.

### 7.3 DEVIATION FROM STANDARD

No deviation.

**7.4 TEST SETUP****7.5 EUT OPERATION CONDITIONS**

The EUT was programmed to be in continuously transmitting mode.

**7.6 TEST RESULTS**

Please refer to the APPENDIX G.

## 8. MEASUREMENT INSTRUMENTS LIST

| AC Power Line Conducted Emissions |                                      |              |                       |            |                  |
|-----------------------------------|--------------------------------------|--------------|-----------------------|------------|------------------|
| Item                              | Kind of Equipment                    | Manufacturer | Type No.              | Serial No. | Calibrated until |
| 1                                 | Line Impedance Stabilisation Network | Schwarzbeck  | NNLK 8121             | 8121-822   | Mar. 21, 2021    |
| 2                                 | TWO-LINE V-NETWORK                   | R&S          | ENV216                | 101340     | Aug. 23, 2021    |
| 3                                 | EMI Test Receiver                    | R&S          | ESCI                  | 100082     | Mar. 21, 2021    |
| 4                                 | 50Ω coaxial switch                   | Anritsu      | MP59B                 | 6201750902 | Mar. 21, 2021    |
| 5                                 | Cable                                | 10m          | EMCRG400-BM-NM-10000  | 170628     | Jul. 15, 2021    |
| 6                                 | Measurement Software                 | Farad        | EZ-EMC Ver.NB-03A1-01 | N/A        | N/A              |

| Radiated Emissions - 30 MHz to 1 GHz |                          |              |                       |            |                  |
|--------------------------------------|--------------------------|--------------|-----------------------|------------|------------------|
| Item                                 | Kind of Equipment        | Manufacturer | Type No.              | Serial No. | Calibrated until |
| 1                                    | TRILOG Broadband Antenna | Schwarzbeck  | VULB 9168             | 719        | Apr. 02, 2021    |
| 2                                    | Pre-Amplifier            | emci         | EMC9135               | 980400     | Mar. 21, 2021    |
| 3                                    | MXE EMI Receiver         | Keysight     | N9038A                | MY57150106 | Mar. 21, 2021    |
| 4                                    | Attenuator               | emci         | EMCI-N-6-06           | AT-N0644   | Mar. 21, 2021    |
| 5                                    | Cable                    | 7m           | EMC104-SM-SM-7000     | 170330     | Apr. 13, 2021    |
| 6                                    | Cable                    | 1m           | EMC104-SM-SM-1000     | 170331     | Apr. 13, 2021    |
| 7                                    | Cable                    | 3.5m         | EMC104-SM-NM-3500     | 170621     | Apr. 13, 2021    |
| 8                                    | Measurement Software     | Farad        | EZ-EMC Ver.BTL-2ANT-1 | N/A        | N/A              |

| Radiated Emissions - Above 1 GHz |                                      |              |                          |            |                  |
|----------------------------------|--------------------------------------|--------------|--------------------------|------------|------------------|
| Item                             | Kind of Equipment                    | Manufacturer | Type No.                 | Serial No. | Calibrated until |
| 1                                | Double-Ridged Waveguide Horn Antenna | Schwarzbeck  | BBHA 9120D               | 9120D-1787 | Apr. 02, 2021    |
| 2                                | Double-Ridged Waveguide Horn Antenna | ETS-Lindgren | 3116C                    | 00203919   | Jul. 20, 2021    |
| 3                                | Pre-Amplifier                        | emci         | EMC012645SE              | 980421     | Mar. 21, 2021    |
| 4                                | Pre-Amplifier                        | emci         | EMC184045SE              | 980409     | Mar. 21, 2021    |
| 5                                | EXA Spectrum Analyzer                | Keysight     | N9010A                   | MY56480559 | Mar. 21, 2021    |
| 6                                | MXE EMI Receiver                     | Keysight     | N9038A                   | MY56400088 | Mar. 21, 2021    |
| 7                                | Cable                                | 7m           | EMC104-SM-SM-700<br>0    | 170330     | Apr. 13, 2021    |
| 8                                | Cable                                | 1m           | EMC104-SM-SM-100<br>0    | 170331     | Apr. 13, 2021    |
| 9                                | Cable                                | 3.5m         | EMC104-SM-NM-350<br>0    | 170621     | Apr. 13, 2021    |
| 10                               | Cable                                | 0.8m         | EMC102-SM-SM-800         | 170335     | Apr. 13, 2021    |
| 11                               | Cable                                | 6m           | EMC102-SM-SM-600<br>0    | 170336     | Apr. 13, 2021    |
| 12                               | Measurement Software                 | Farad        | EZ-EMC<br>Ver.NB-03A1-01 | N/A        | N/A              |

| Bandwidth |                   |              |          |            |                  |
|-----------|-------------------|--------------|----------|------------|------------------|
| Item      | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1         | Spectrum Analyzer | R&S          | FSP40    | 100626     | May. 06, 2021    |

| Conducted Output Power |                   |              |          |            |                  |
|------------------------|-------------------|--------------|----------|------------|------------------|
| Item                   | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1                      | Spectrum Analyzer | R&S          | FSP40    | 100626     | May. 06, 2021    |

| Power Spectral Density |                   |              |          |            |                  |
|------------------------|-------------------|--------------|----------|------------|------------------|
| Item                   | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1                      | Spectrum Analyzer | R&S          | FSP40    | 100626     | May. 06, 2021    |

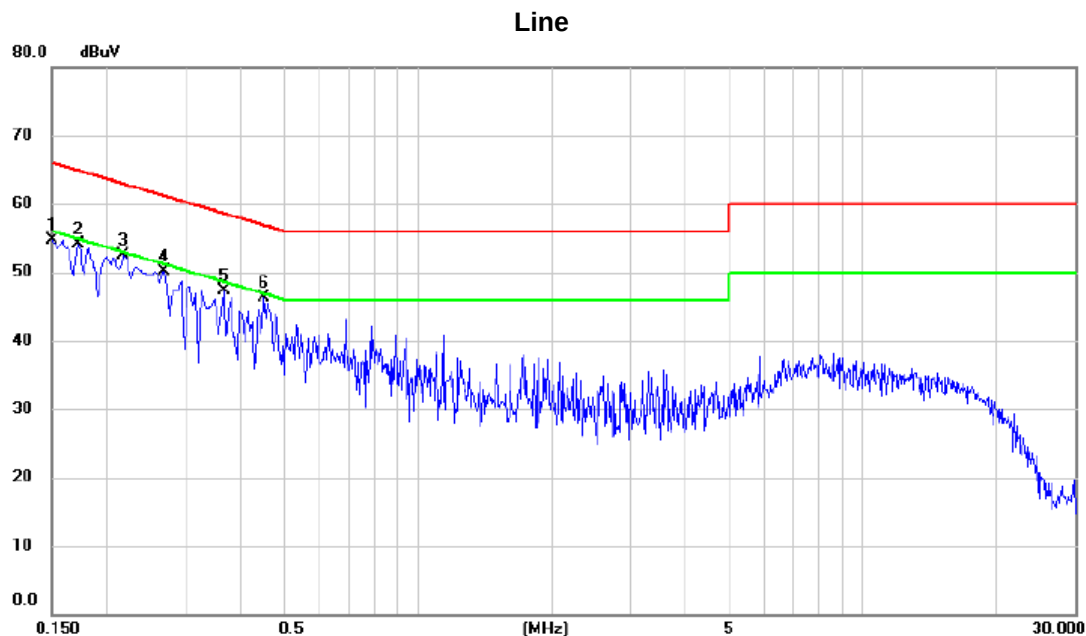
Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.



## **APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS**

Test Mode: UNII-3\_TX A Mode 5745 MHz



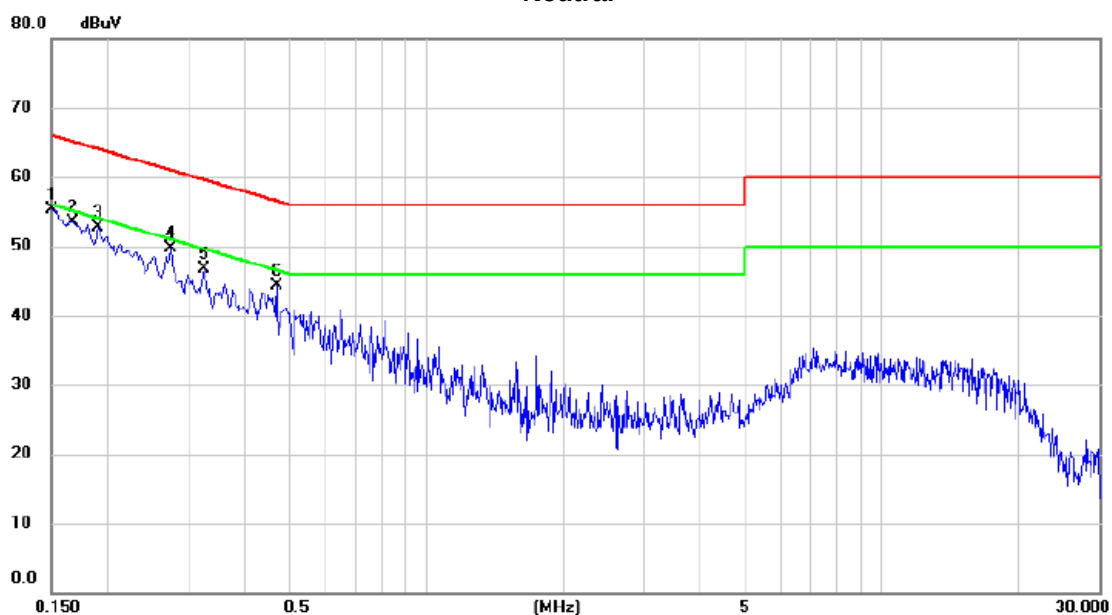
| No. | Mk. | Freq.  | Reading | Correct | Measure- | Limit | Margin |          |         |
|-----|-----|--------|---------|---------|----------|-------|--------|----------|---------|
|     |     | MHz    | Level   | Factor  | ment     |       |        | Detector | Comment |
|     |     |        | dBuV    | dB      | dBuV     | dBuV  | dB     |          |         |
| 1   |     | 0.1507 | 45.01   | 9.72    | 54.73    | 65.96 | -11.23 | peak     |         |
| 2   |     | 0.1725 | 44.45   | 9.73    | 54.18    | 64.84 | -10.66 | peak     |         |
| 3   | *   | 0.2175 | 42.74   | 9.74    | 52.48    | 62.91 | -10.43 | peak     |         |
| 4   |     | 0.2686 | 40.31   | 9.76    | 50.07    | 61.16 | -11.09 | peak     |         |
| 5   |     | 0.3660 | 37.43   | 9.78    | 47.21    | 58.59 | -11.38 | peak     |         |
| 6   |     | 0.4515 | 36.48   | 9.79    | 46.27    | 56.85 | -10.58 | peak     |         |

## REMARKS:

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

Test Mode: UNII-3\_TX A Mode 5745 MHz

## Neutral



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1   | *   | 0.1500       | 45.55                    | 9.68                    | 55.23                    | 66.00         | -10.77       | peak     |         |
| 2   |     | 0.1668       | 43.78                    | 9.70                    | 53.48                    | 65.12         | -11.64       | peak     |         |
| 3   |     | 0.1905       | 43.02                    | 9.71                    | 52.73                    | 64.01         | -11.28       | peak     |         |
| 4   |     | 0.2744       | 39.92                    | 9.73                    | 49.65                    | 60.98         | -11.33       | peak     |         |
| 5   |     | 0.3255       | 36.97                    | 9.74                    | 46.71                    | 59.57         | -12.86       | peak     |         |
| 6   |     | 0.4695       | 34.50                    | 9.77                    | 44.27                    | 56.52         | -12.25       | peak     |         |

### REMARKS:

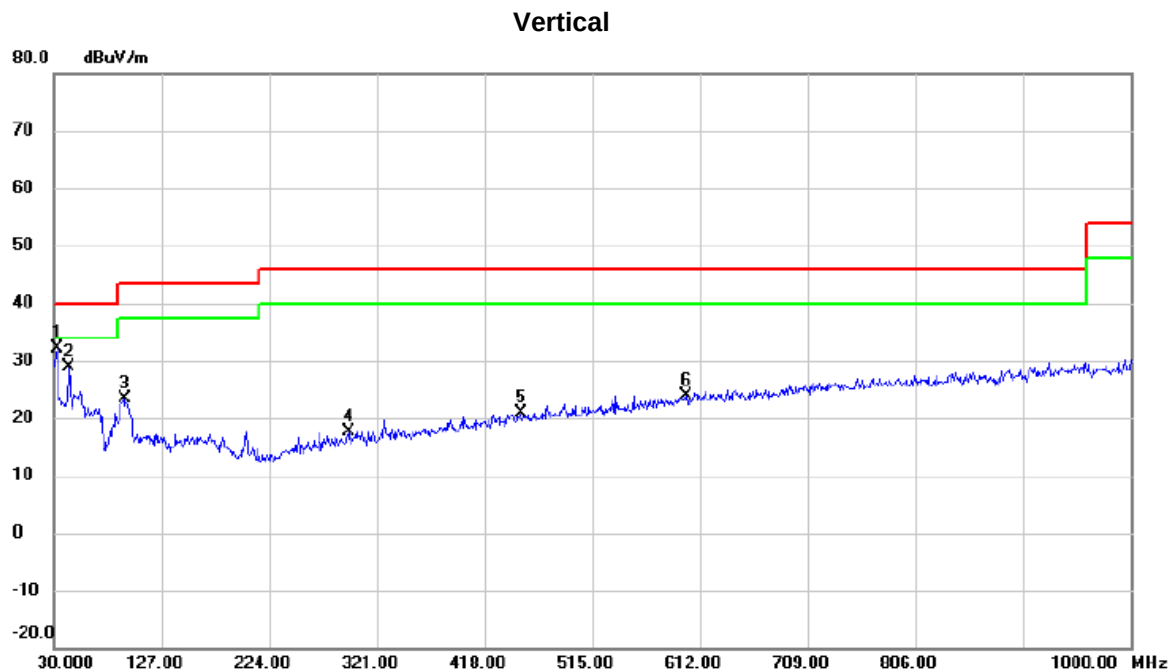
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

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

Note: The measured value have enough margin over 20dB than the limit, therefore they are not reported.

## **APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1 GHZ**

Test Mode: UNII-3\_TX A Mode 5745 MHz

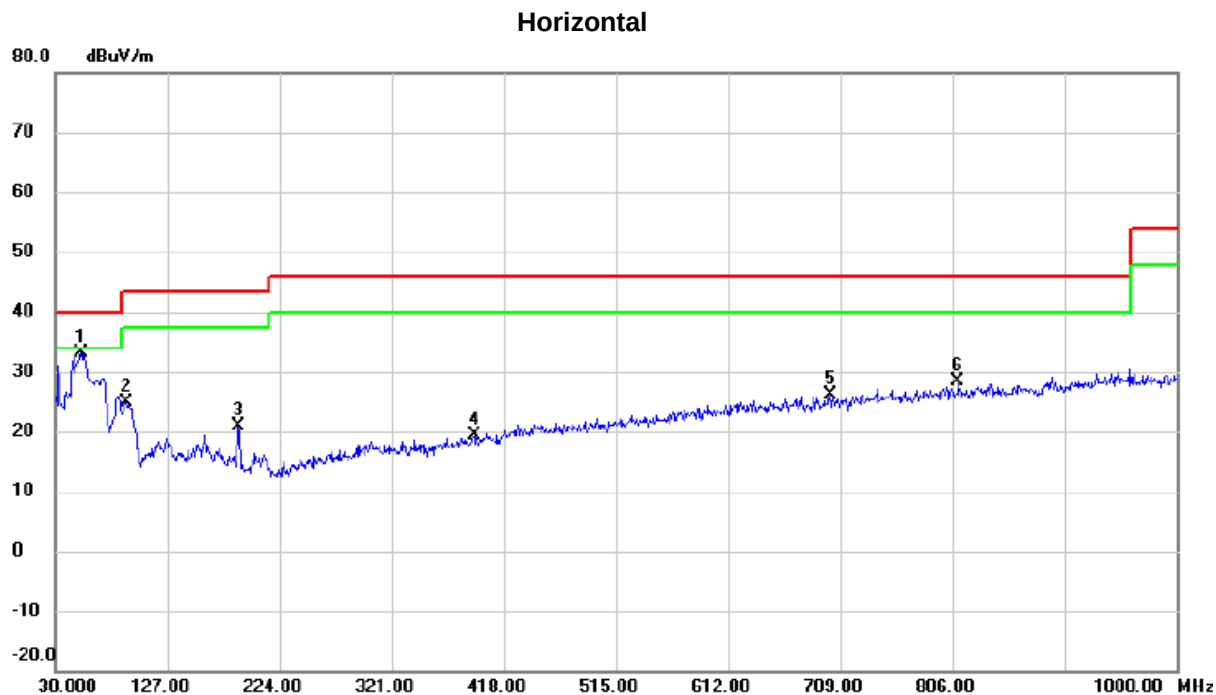


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | *   | 32.9100      | 50.48                    | -18.28                  | 32.20                      | 40.00           | -7.80        | peak     |         |
| 2   |     | 43.5800      | 45.97                    | -17.03                  | 28.94                      | 40.00           | -11.06       | peak     |         |
| 3   |     | 93.5350      | 45.29                    | -22.02                  | 23.27                      | 43.50           | -20.23       | peak     |         |
| 4   |     | 295.2950     | 33.32                    | -15.75                  | 17.57                      | 46.00           | -28.43       | peak     |         |
| 5   |     | 450.4950     | 32.87                    | -11.95                  | 20.92                      | 46.00           | -25.08       | peak     |         |
| 6   |     | 599.3900     | 33.18                    | -9.18                   | 24.00                      | 46.00           | -22.00       | peak     |         |

## REMARKS:

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

Test Mode: UNII-3\_TX A Mode 5745 MHz



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | *   | 52.3100      | 50.06                    | -16.82                  | 33.24                      | 40.00           | -6.76        | peak     |         |
| 2   |     | 91.5950      | 47.01                    | -22.16                  | 24.85                      | 43.50           | -18.65       | peak     |         |
| 3   |     | 188.5950     | 39.20                    | -18.39                  | 20.81                      | 43.50           | -22.69       | peak     |         |
| 4   |     | 392.2950     | 32.98                    | -13.49                  | 19.49                      | 46.00           | -26.51       | peak     |         |
| 5   |     | 700.2700     | 34.23                    | -8.03                   | 26.20                      | 46.00           | -19.80       | peak     |         |
| 6   |     | 810.8500     | 34.75                    | -6.49                   | 28.26                      | 46.00           | -17.74       | peak     |         |

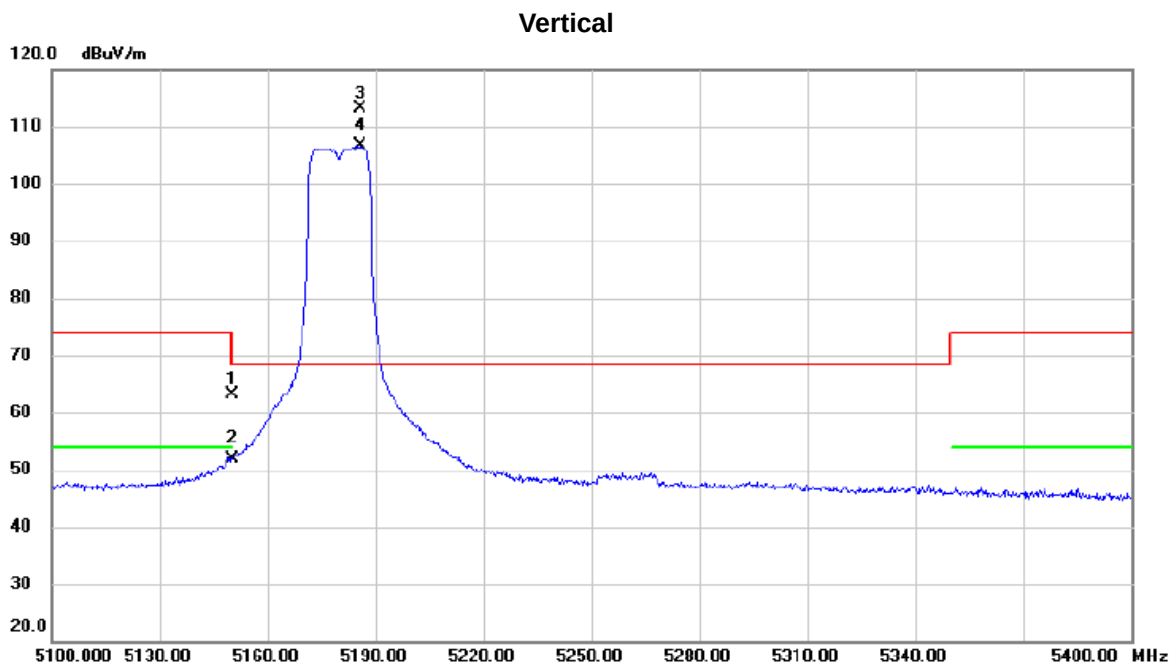
## REMARKS:

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

## **APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ**



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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 25.17                    | 37.88                   | 63.05                      | 74.00           | -10.95       | peak     |         |
| 2   |     | 5150.000     | 13.97                    | 37.88                   | 51.85                      | 54.00           | -2.15        | AVG      |         |
| 3   | *   | 5185.800     | 75.41                    | 37.74                   | 113.15                     | 68.30           | 44.85        | peak     |         |
| 4   | X   | 5185.800     | 68.82                    | 37.74                   | 106.56                     | 68.30           | 38.26        | AVG      |         |

## REMARKS:

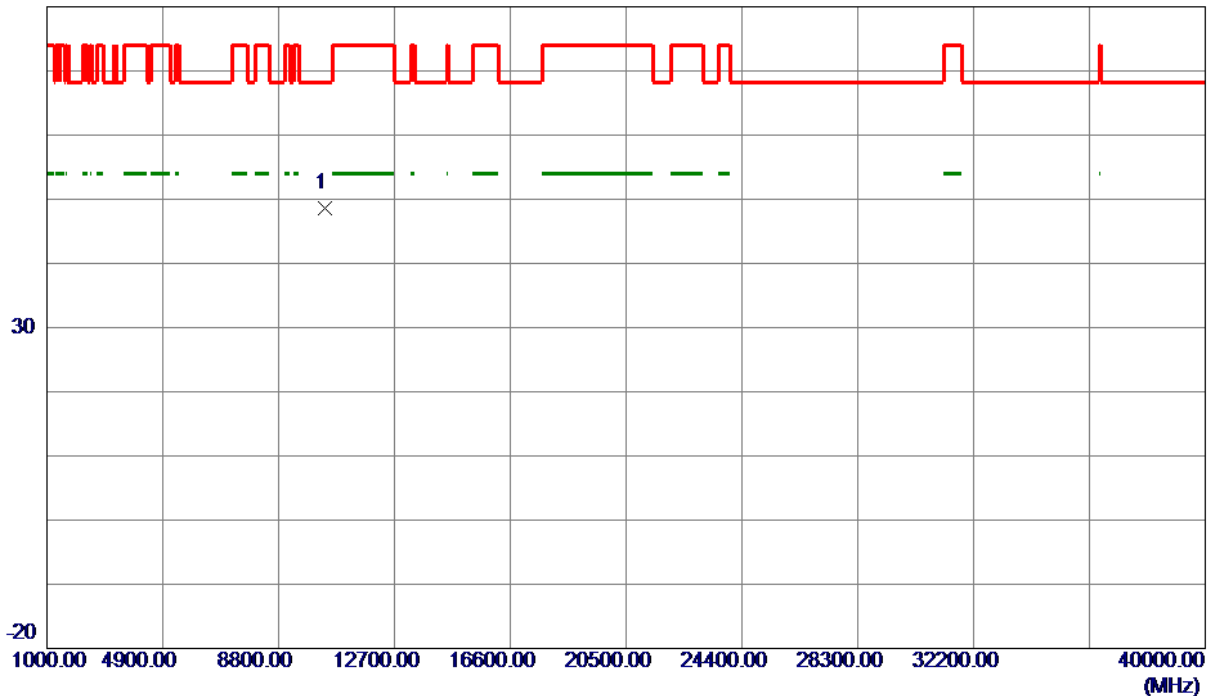
(1) Measurement Value = Reading Level + Correct Factor.

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

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

## Vertical

80 dBuV/m

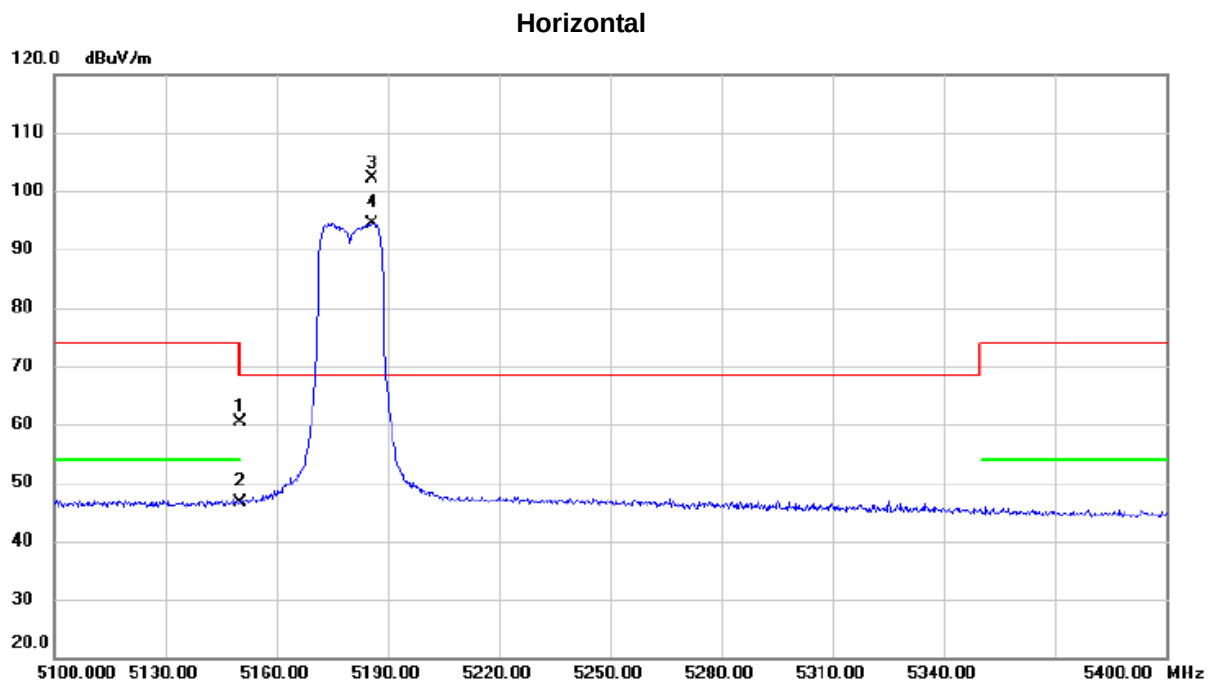


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 10360.0000   | 46.91                      | 1.65                    | 48.56                     | 68.30           | -19.74       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 22.54                    | 37.88                   | 60.42                      | 74.00           | -13.58       | peak     |         |
| 2   |     | 5150.000     | 8.70                     | 37.88                   | 46.58                      | 54.00           | -7.42        | AVG      |         |
| 3   | *   | 5185.650     | 64.30                    | 37.74                   | 102.04                     | 68.30           | 33.74        | peak     |         |
| 4   | X   | 5185.650     | 56.63                    | 37.74                   | 94.37                      | 68.30           | 26.07        | AVG      |         |

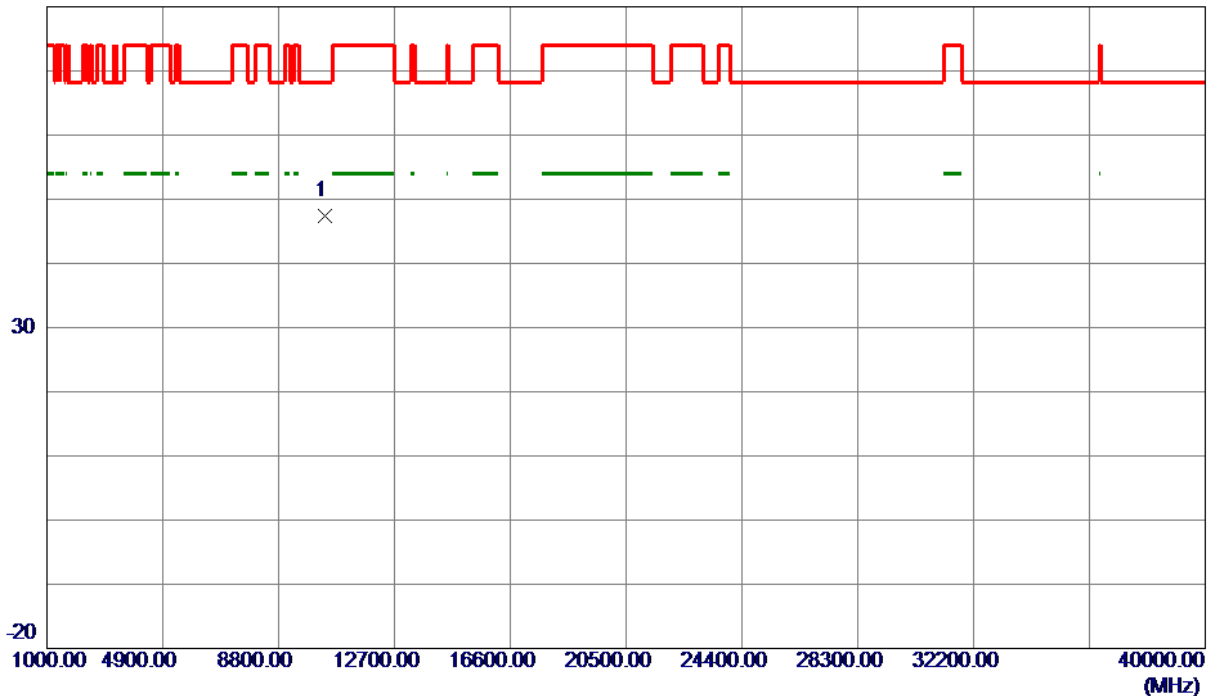
## REMARKS:

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

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

## Horizontal

80 dBuV/m



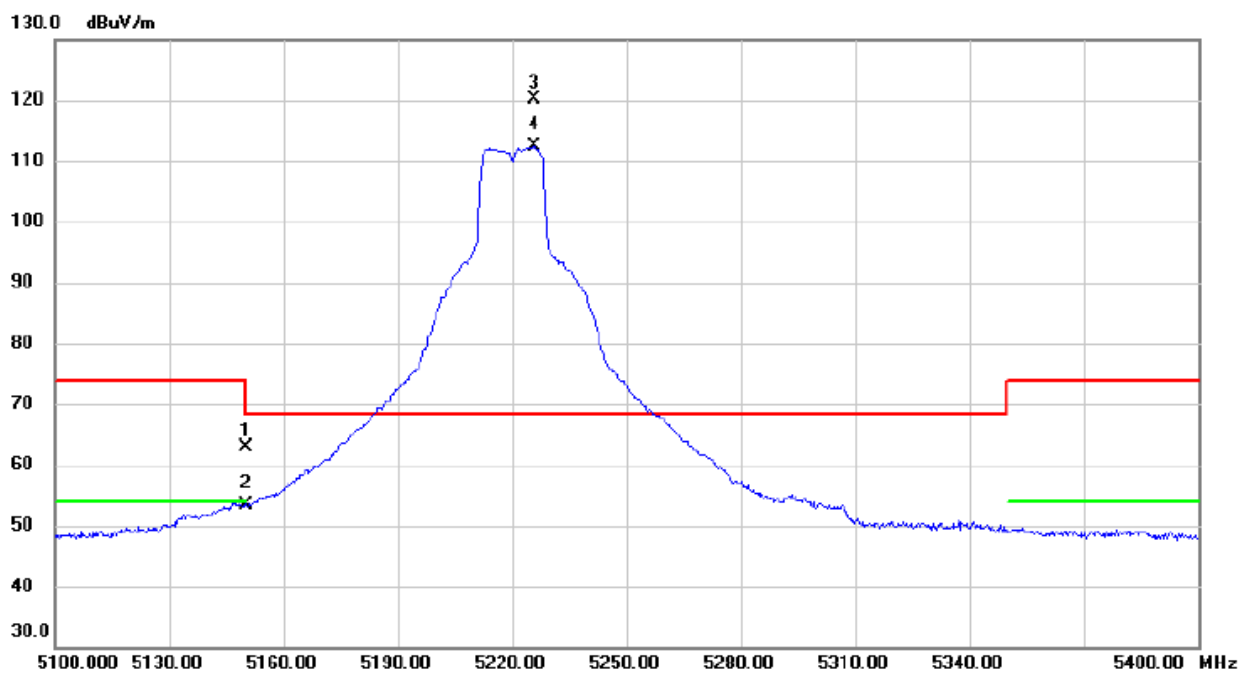
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 10360.0000   | 45.75                      | 1.65                    | 47.40                     | 68.30           | -20.90       | Peak     |         |

### REMARKS:

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

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-1_TX A Mode 5220 MHz |

## Vertical

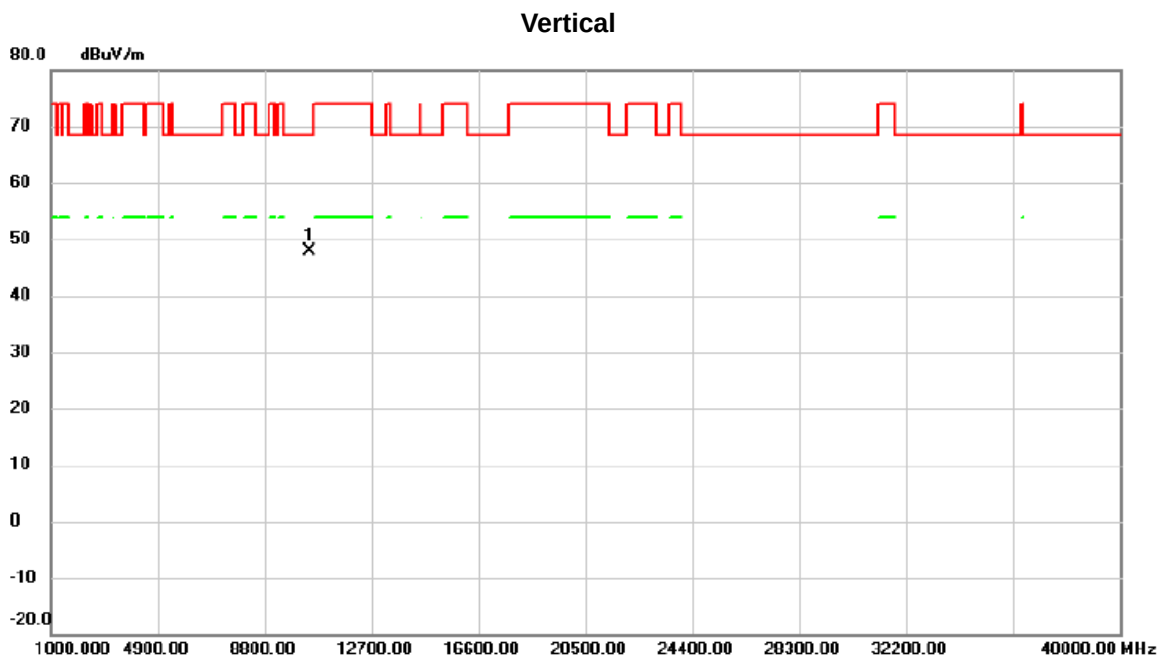


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 25.08                    | 37.88                   | 62.96                      | 74.00           | -11.04       | peak     |         |
| 2   |     | 5150.000     | 15.62                    | 37.88                   | 53.50                      | 54.00           | -0.50        | AVG      |         |
| 3   | *   | 5225.700     | 82.47                    | 37.64                   | 120.11                     | 68.30           | 51.81        | peak     |         |
| 4   | X   | 5225.700     | 74.66                    | 37.64                   | 112.30                     | 68.30           | 44.00        | AVG      |         |

### REMARKS:

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

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-1_TX A Mode 5220 MHz |

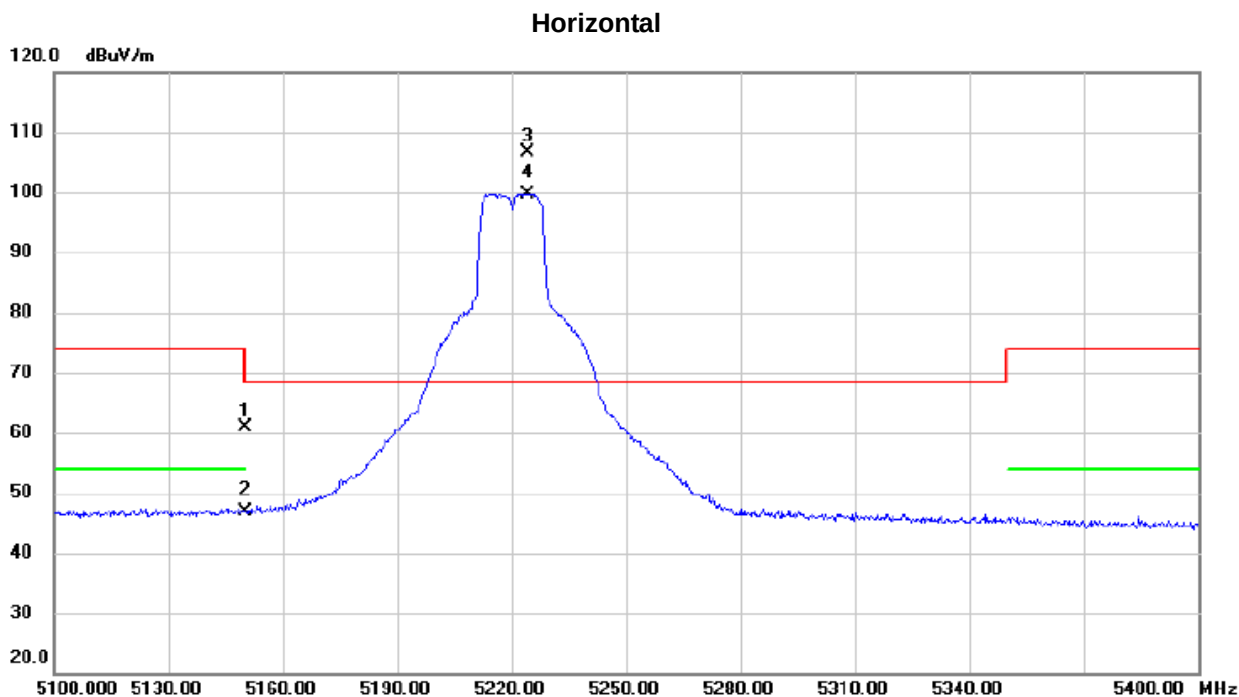


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 10440.00 | 46.05         | 1.76           | 47.81       | 68.30  | -20.49 | peak     |         |

## REMARKS:

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

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-1_TX A Mode 5220 MHz |



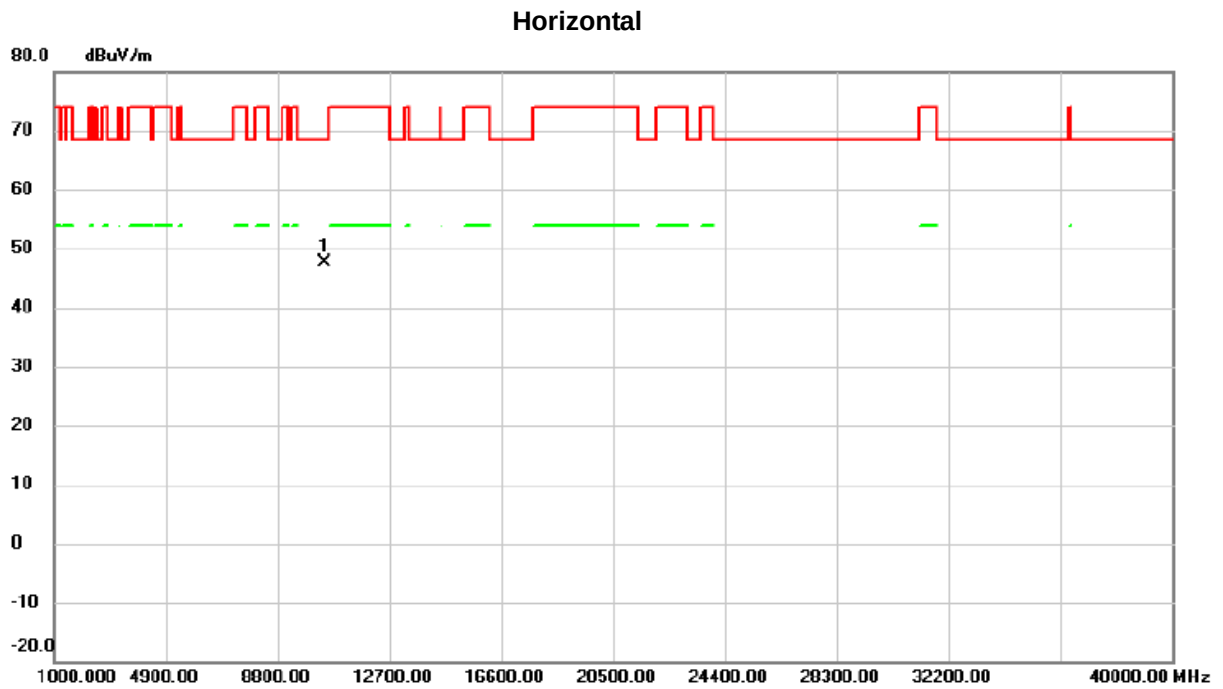
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 23.10                    | 37.88                   | 60.98                      | 74.00           | -13.02       | peak     |         |
| 2   |     | 5150.000     | 8.98                     | 37.88                   | 46.86                      | 54.00           | -7.14        | AVG      |         |
| 3   | *   | 5224.350     | 69.09                    | 37.64                   | 106.73                     | 68.30           | 38.43        | peak     |         |
| 4   | X   | 5224.350     | 62.10                    | 37.64                   | 99.74                      | 68.30           | 31.44        | AVG      |         |

## REMARKS:

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

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

|                 |                           |
|-----------------|---------------------------|
| Orthogonal Axis | X                         |
| Test Mode       | UNII-1_TX A Mode 5220 MHz |



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 10440.00 | 45.89         | 1.76           | 47.65       | 68.30  | -20.65 | peak     |         |

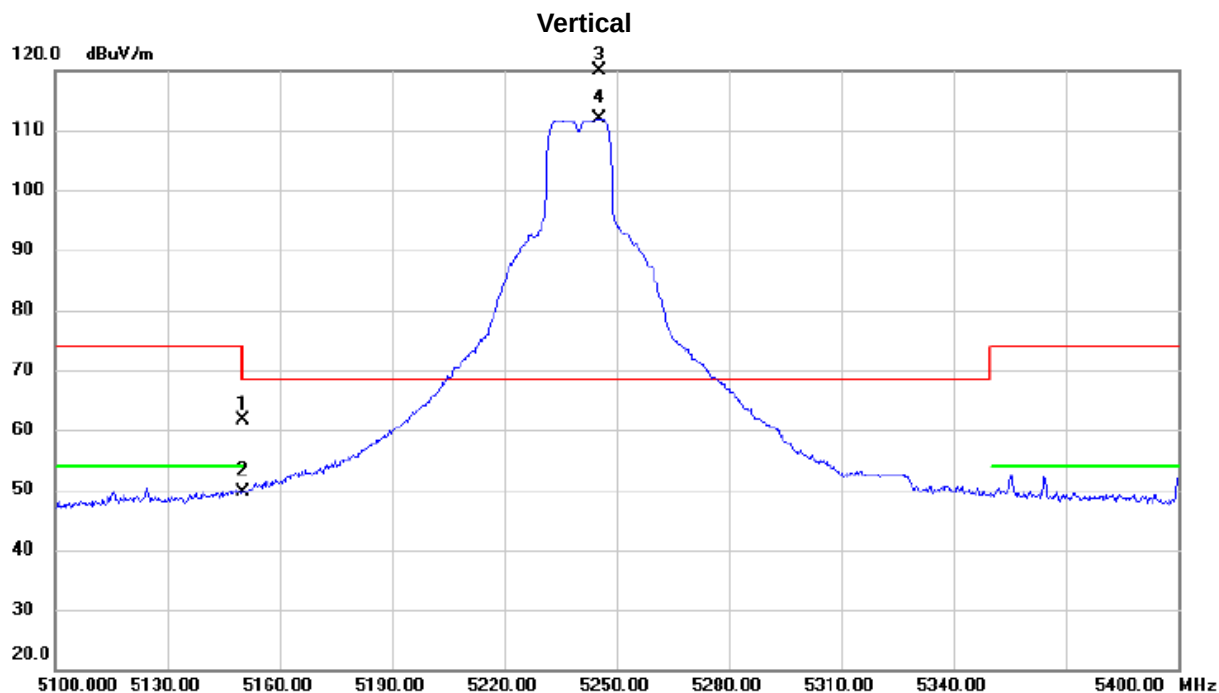
## REMARKS:

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

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



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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 23.86                    | 37.88                   | 61.74                      | 74.00           | -12.26       | peak     |         |
| 2   |     | 5150.000     | 11.68                    | 37.88                   | 49.56                      | 54.00           | -4.44        | AVG      |         |
| 3   | *   | 5245.500     | 82.24                    | 37.61                   | 119.85                     | 68.30           | 51.55        | peak     |         |
| 4   | X   | 5245.500     | 74.37                    | 37.61                   | 111.98                     | 68.30           | 43.68        | AVG      |         |

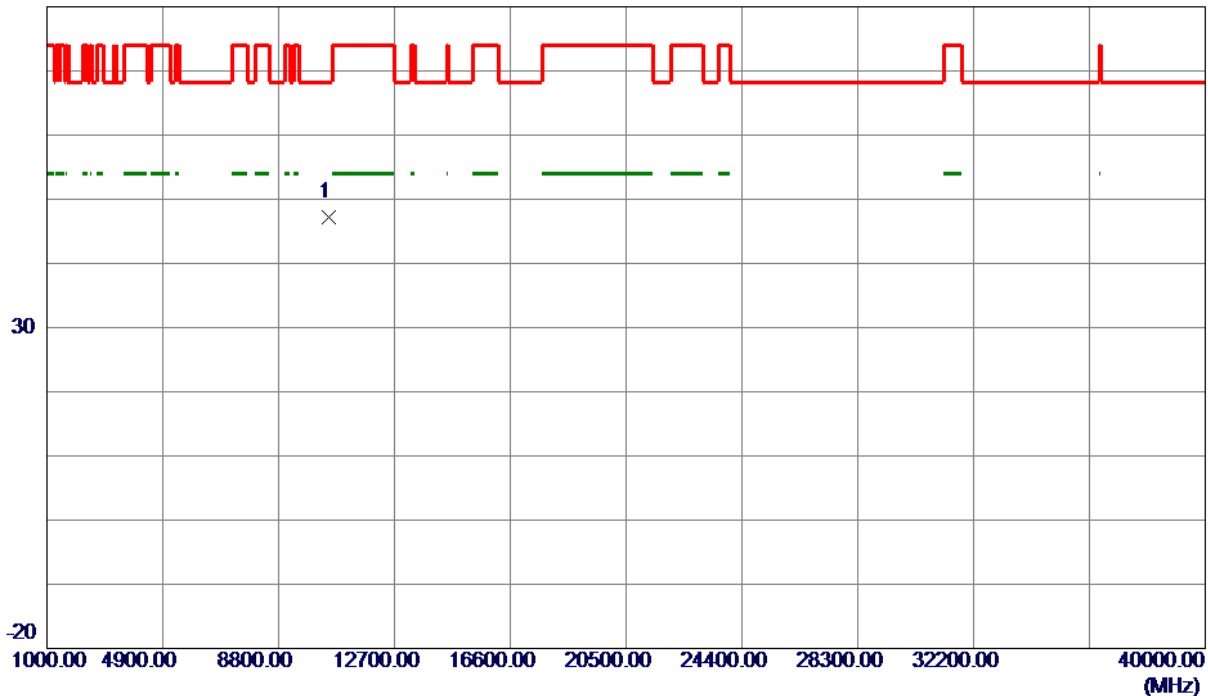
## REMARKS:

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

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

## Vertical

80 dBuV/m

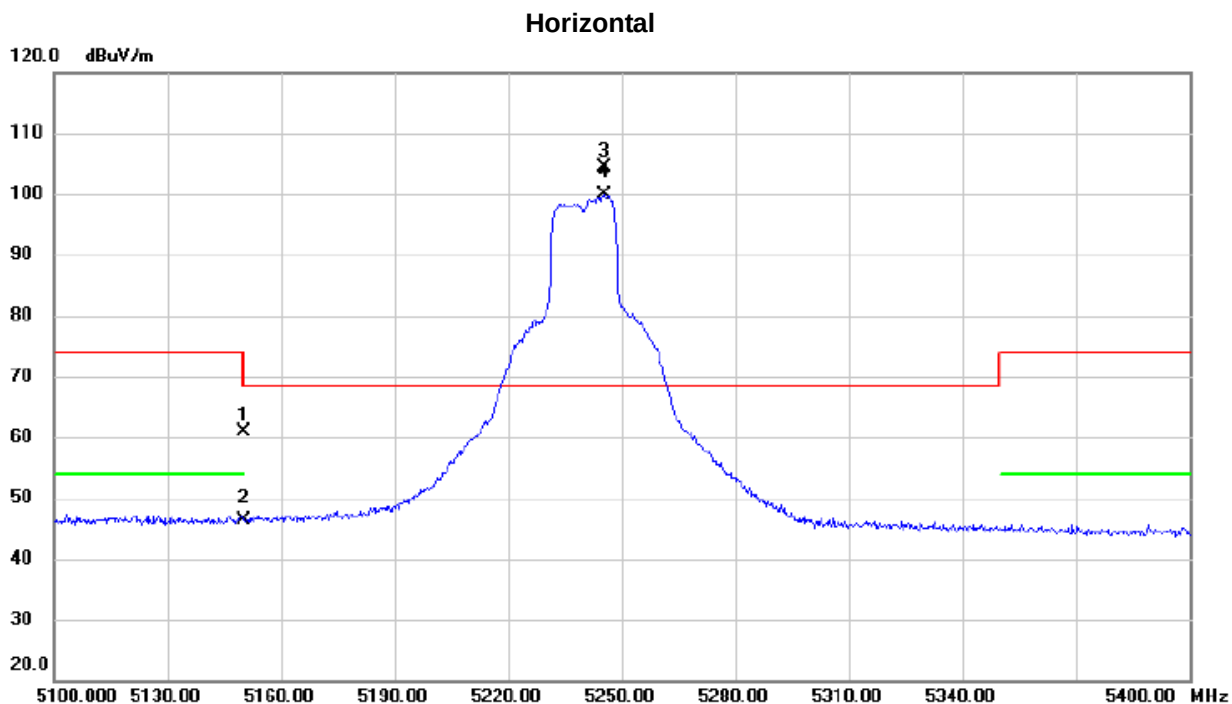


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 10480.0000   | 45.41                      | 1.80                    | 47.21                     | 68.30           | -21.09       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 23.07                    | 37.88                   | 60.95                      | 74.00           | -13.05       | peak     |         |
| 2   |     | 5150.000     | 8.59                     | 37.88                   | 46.47                      | 54.00           | -7.53        | AVG      |         |
| 3   | *   | 5245.500     | 66.77                    | 37.61                   | 104.38                     | 68.30           | 36.08        | peak     |         |
| 4   | X   | 5245.500     | 62.19                    | 37.61                   | 99.80                      | 68.30           | 31.50        | AVG      |         |

## REMARKS:

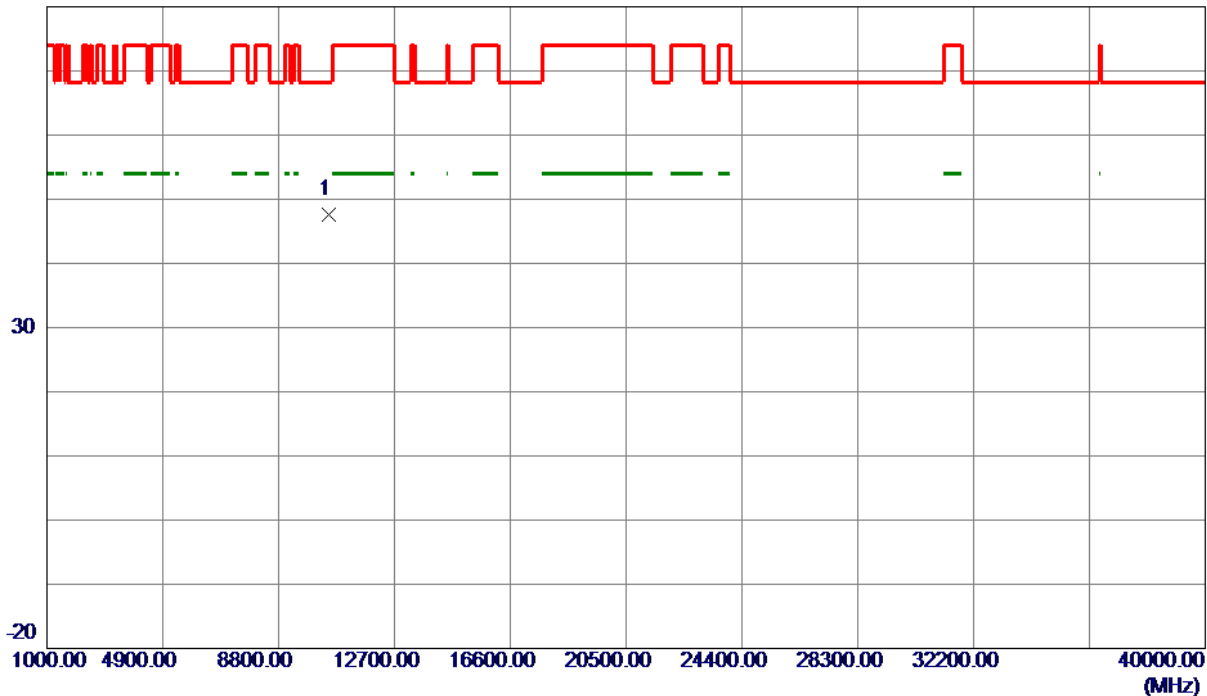
(1) Measurement Value = Reading Level + Correct Factor.

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

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

## Horizontal

80 dBuV/m

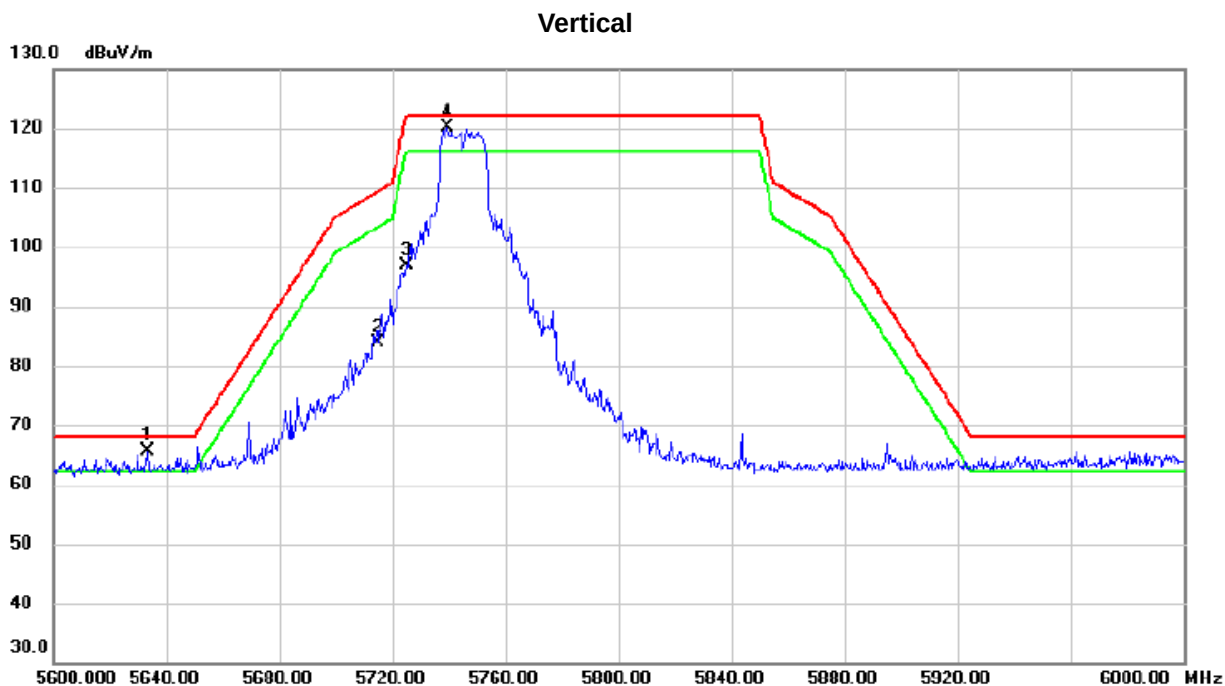


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 10480.0000   | 45.73                      | 1.80                    | 47.53                     | 68.30           | -20.77       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | !   | 5633.200     | 27.35                    | 38.36                   | 65.71                      | 68.20           | -2.49        | peak     |         |
| 2   |     | 5715.000     | 45.37                    | 38.46                   | 83.83                      | 109.40          | -25.57       | peak     |         |
| 3   |     | 5725.000     | 58.27                    | 38.50                   | 96.77                      | 122.20          | -25.43       | peak     |         |
| 4   | *   | 5739.600     | 81.59                    | 38.55                   | 120.14                     | 122.20          | -2.06        | peak     |         |

## REMARKS:

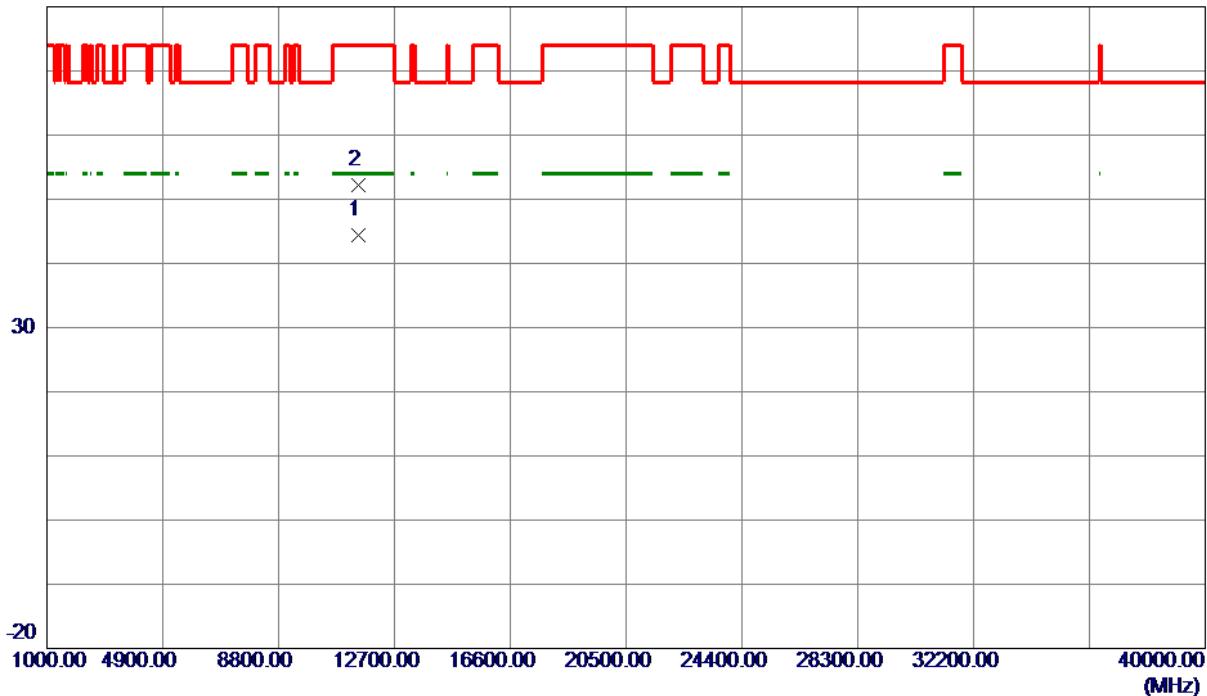
(1) Measurement Value = Reading Level + Correct Factor.

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

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

## Vertical

80 dBuV/m

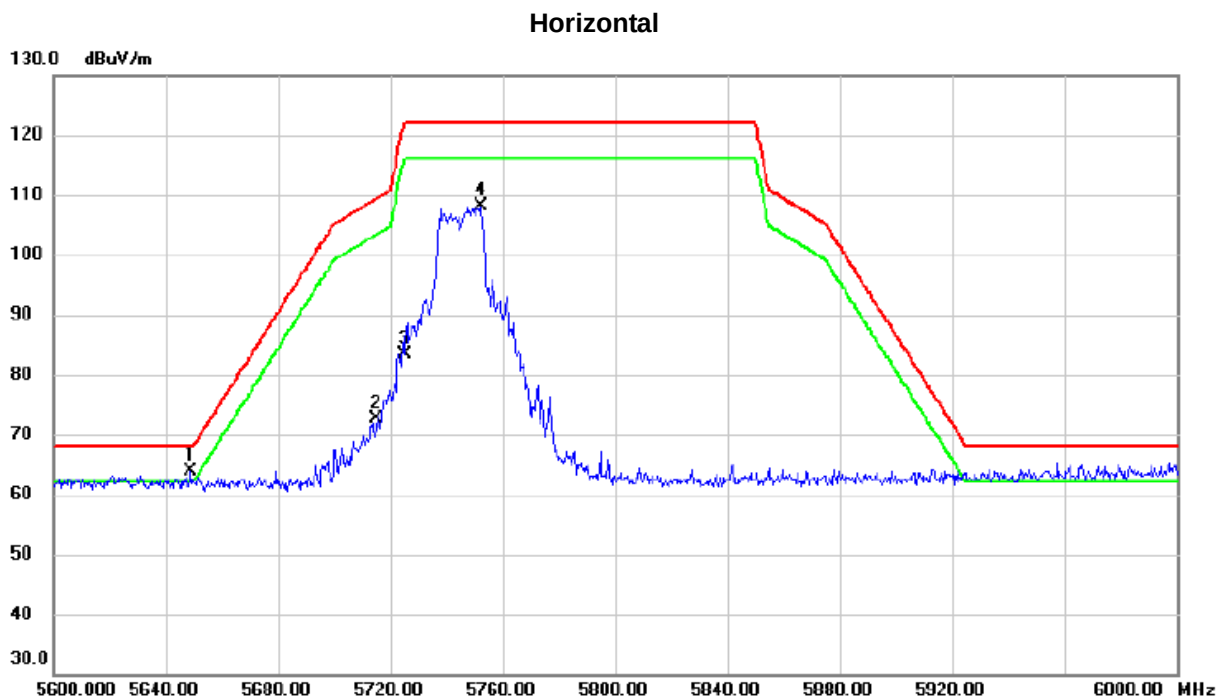


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11500.1000   | 42.13                      | 2.22                    | 44.35                     | 54.00           | -9.65        | AVG      |         |
| 2   | 11502.7000   | 50.03                      | 2.22                    | 52.25                     | 74.00           | -21.75       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | *   | 5648.800     | 25.39                    | 38.37                   | 63.76                      | 68.20           | -4.44        | peak     |         |
| 2   |     | 5715.000     | 34.05                    | 38.46                   | 72.51                      | 109.40          | -36.89       | peak     |         |
| 3   |     | 5725.000     | 44.82                    | 38.50                   | 83.32                      | 122.20          | -38.88       | peak     |         |
| 4   |     | 5752.400     | 69.46                    | 38.60                   | 108.06                     | 122.20          | -14.14       | peak     |         |

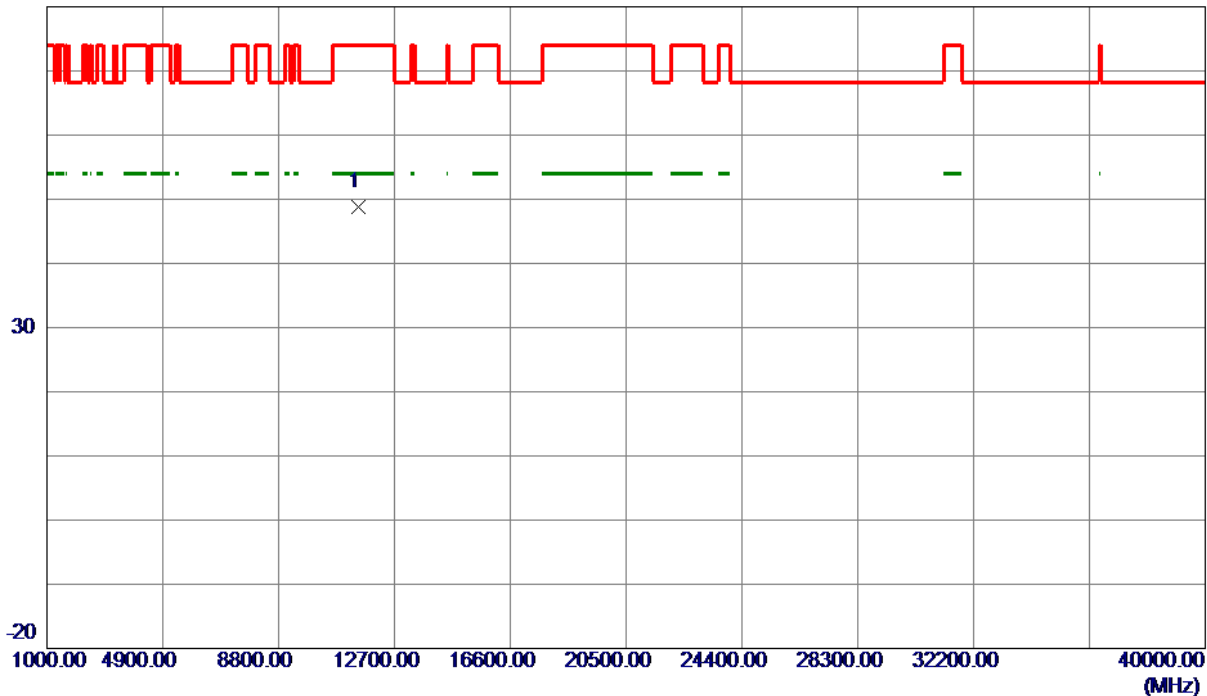
## REMARKS:

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

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

## Horizontal

80 dBuV/m



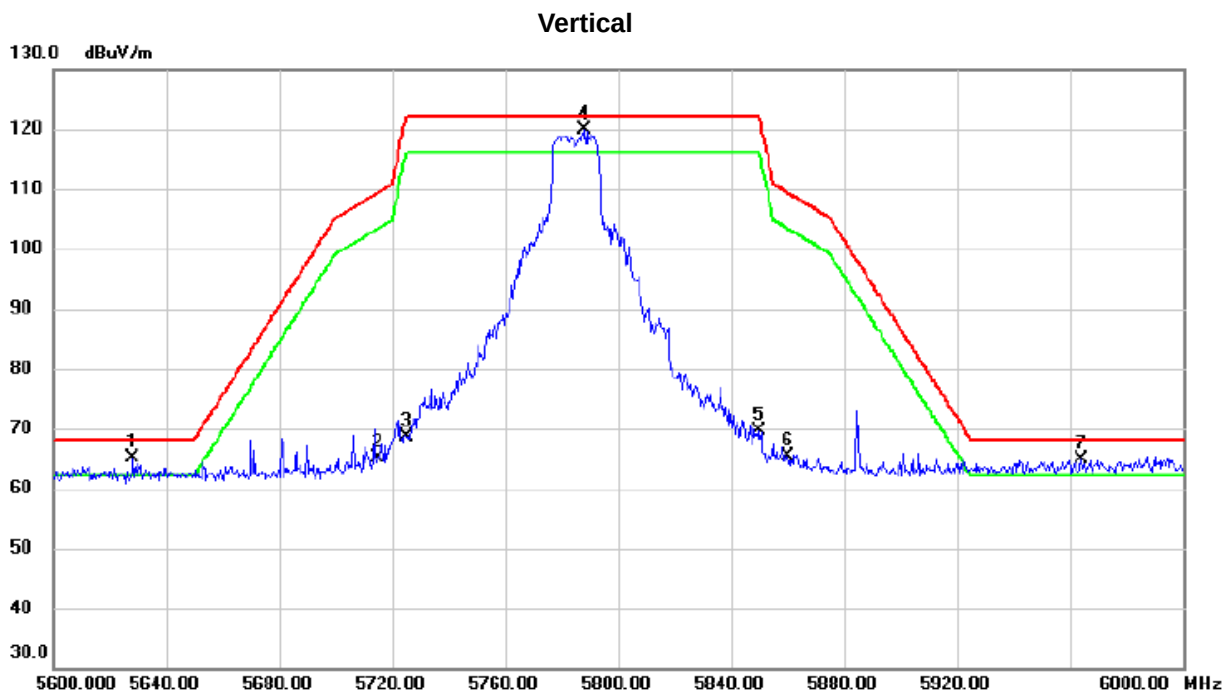
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11490.0000   | 46.56                      | 2.21                    | 48.77                     | 74.00           | -25.23       | Peak     |         |

### REMARKS:

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



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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | !   | 5628.000     | 26.72                    | 38.36                   | 65.08                      | 68.20           | -3.12        | peak     |         |
| 2   |     | 5715.000     | 26.62                    | 38.46                   | 65.08                      | 109.40          | -44.32       | peak     |         |
| 3   |     | 5725.000     | 30.17                    | 38.50                   | 68.67                      | 122.20          | -53.53       | peak     |         |
| 4   | *   | 5787.800     | 81.19                    | 38.74                   | 119.93                     | 122.20          | -2.27        | peak     |         |
| 5   |     | 5850.000     | 30.66                    | 38.91                   | 69.57                      | 122.20          | -52.63       | peak     |         |
| 6   |     | 5860.000     | 26.49                    | 38.95                   | 65.44                      | 109.40          | -43.96       | peak     |         |
| 7   | !   | 5964.200     | 25.81                    | 39.18                   | 64.99                      | 68.20           | -3.21        | peak     |         |

## REMARKS:

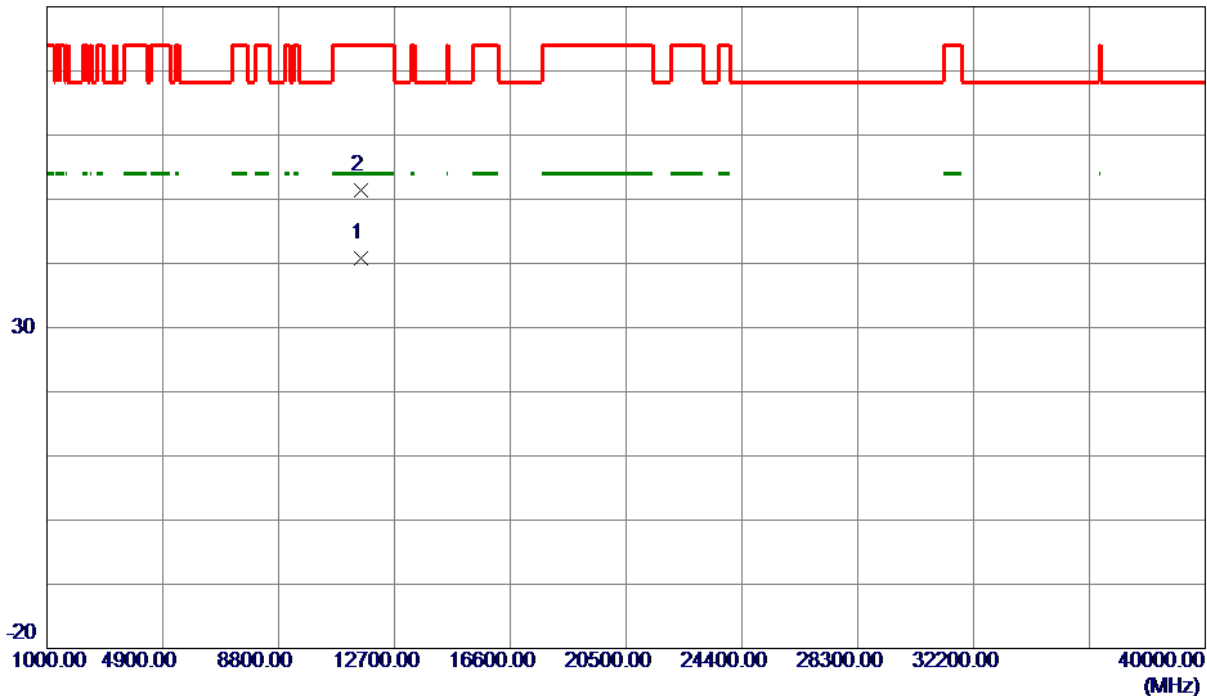
(1) Measurement Value = Reading Level + Correct Factor.

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

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

## Vertical

80 dBuV/m

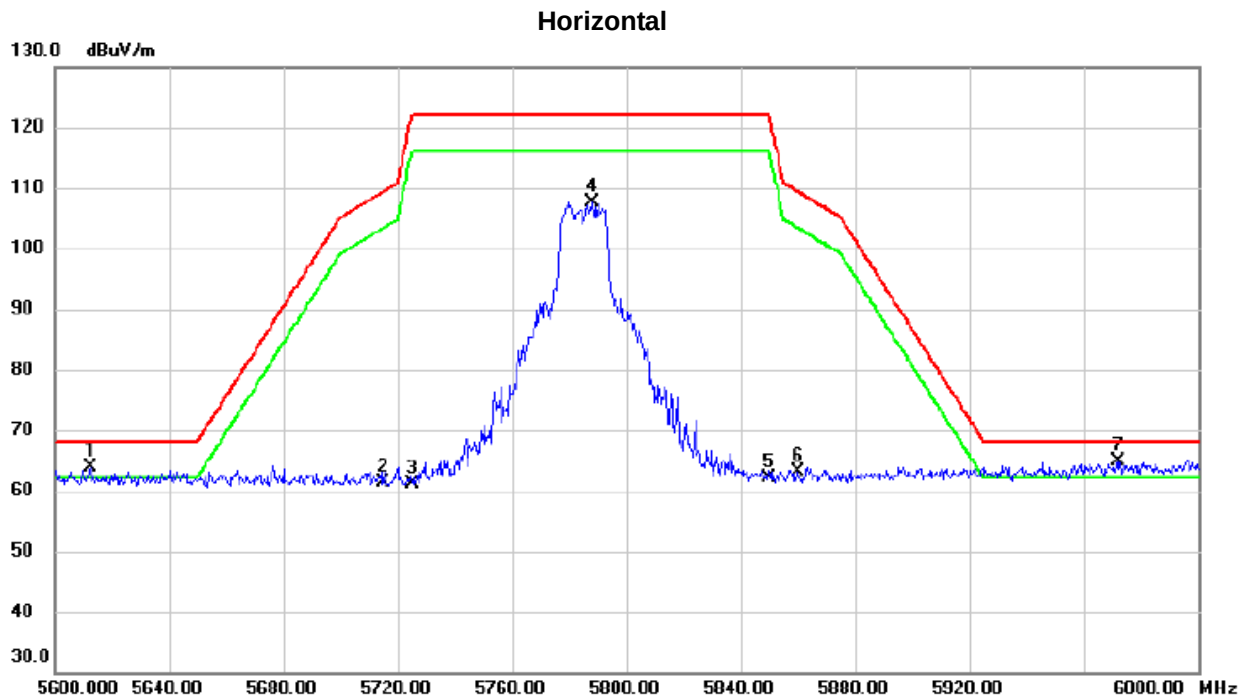


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11570.5900   | 38.51                      | 2.27                    | 40.78                     | 54.00           | -13.22       | AVG      |         |
| 2   | 11570.9500   | 49.09                      | 2.28                    | 51.37                     | 74.00           | -22.63       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | !   | 5612.400     | 25.55                    | 38.34                   | 63.89                      | 68.20           | -4.31        | peak     |         |
| 2   |     | 5715.000     | 23.00                    | 38.46                   | 61.46                      | 109.40          | -47.94       | peak     |         |
| 3   |     | 5725.000     | 22.64                    | 38.50                   | 61.14                      | 122.20          | -61.06       | peak     |         |
| 4   |     | 5787.800     | 68.95                    | 38.74                   | 107.69                     | 122.20          | -14.51       | peak     |         |
| 5   |     | 5850.000     | 23.23                    | 38.91                   | 62.14                      | 122.20          | -60.06       | peak     |         |
| 6   |     | 5860.000     | 24.29                    | 38.95                   | 63.24                      | 109.40          | -46.16       | peak     |         |
| 7   | *   | 5971.800     | 25.60                    | 39.19                   | 64.79                      | 68.20           | -3.41        | peak     |         |

## REMARKS:

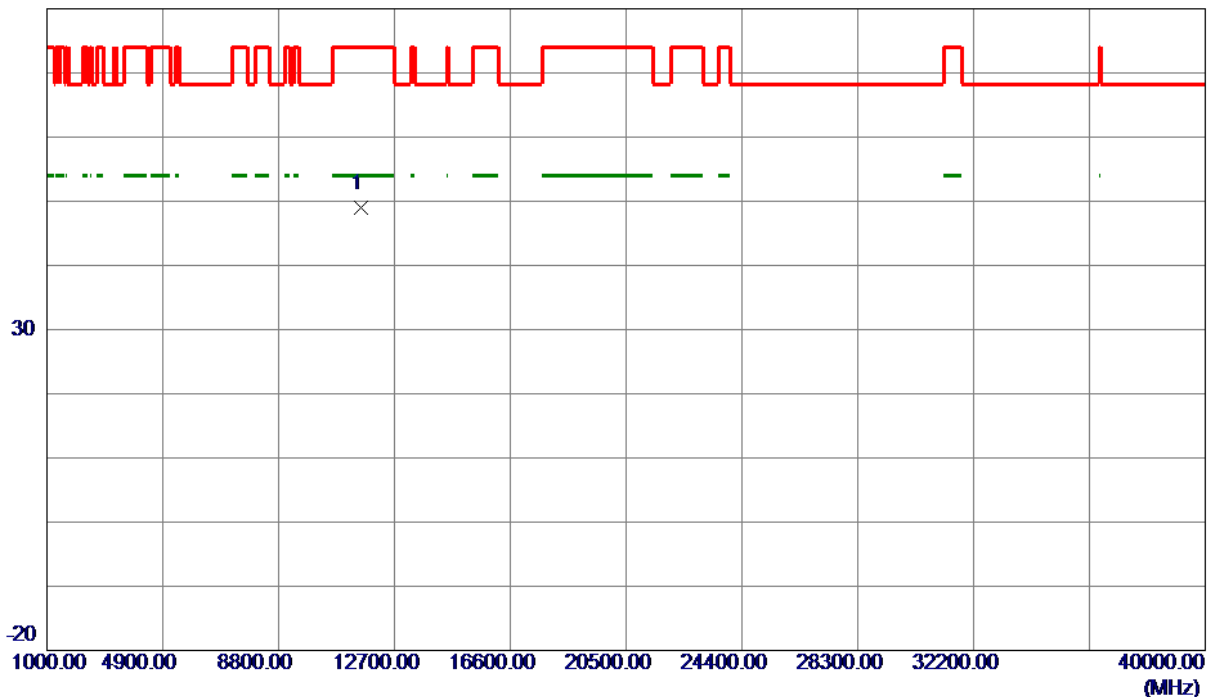
(1) Measurement Value = Reading Level + Correct Factor.

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

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

## Horizontal

80 dBuV/m



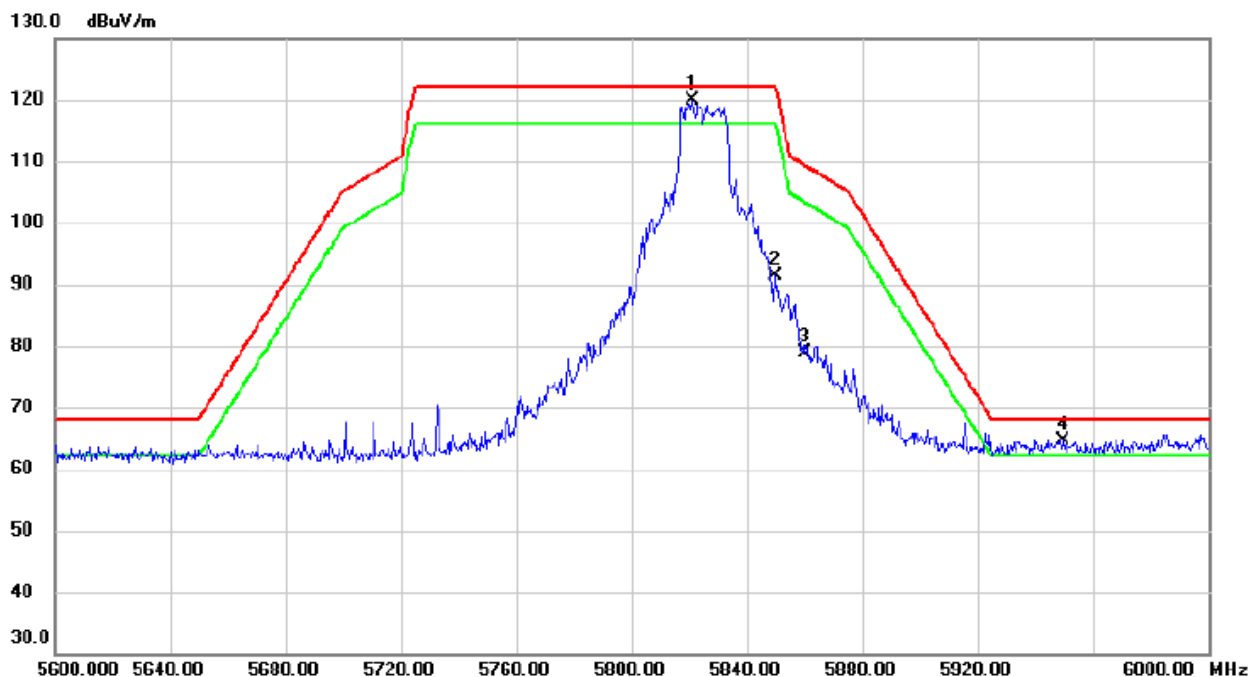
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11570.0000   | 46.63                      | 2.27                    | 48.90                     | 74.00           | -25.10       | Peak     |         |

### REMARKS:

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

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

## Vertical



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 5821.000 | 81.01         | 38.83          | 119.84      | 122.20 | -2.36  | peak     |         |
| 2   |     | 5850.000 | 52.48         | 38.91          | 91.39       | 122.20 | -30.81 | peak     |         |
| 3   |     | 5860.000 | 39.97         | 38.95          | 78.92       | 109.40 | -30.48 | peak     |         |
| 4   | !   | 5949.600 | 25.58         | 39.14          | 64.72       | 68.20  | -3.48  | peak     |         |

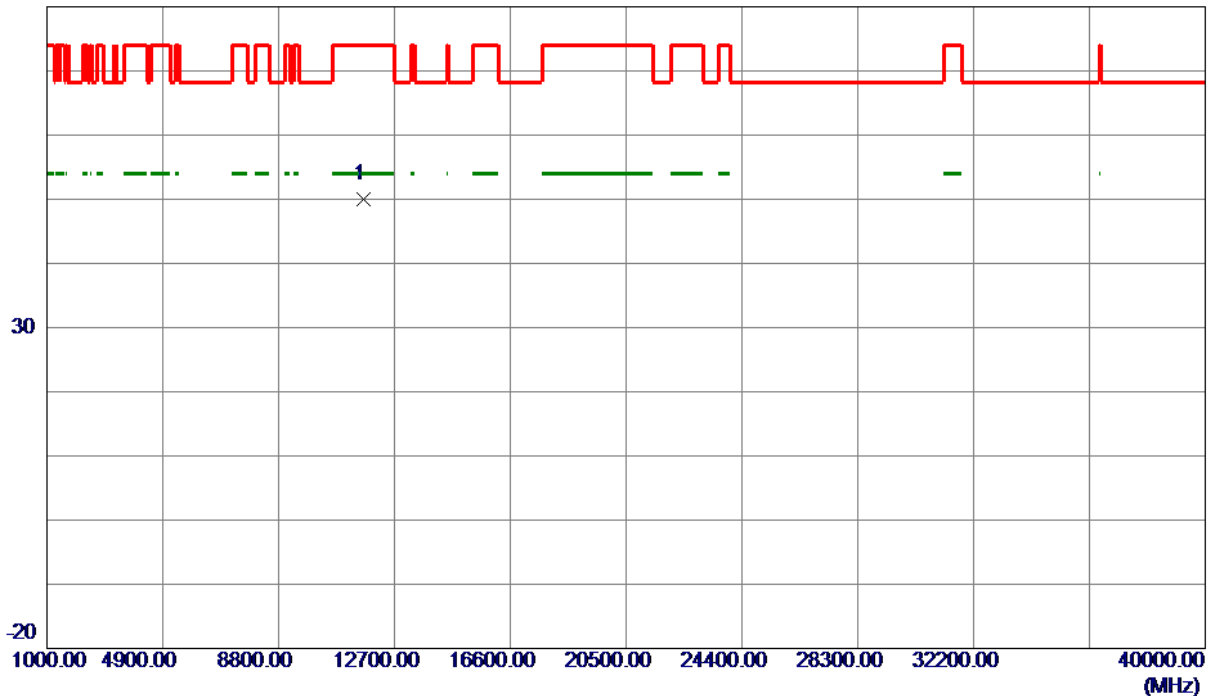
### REMARKS:

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

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

## Vertical

80 dBuV/m

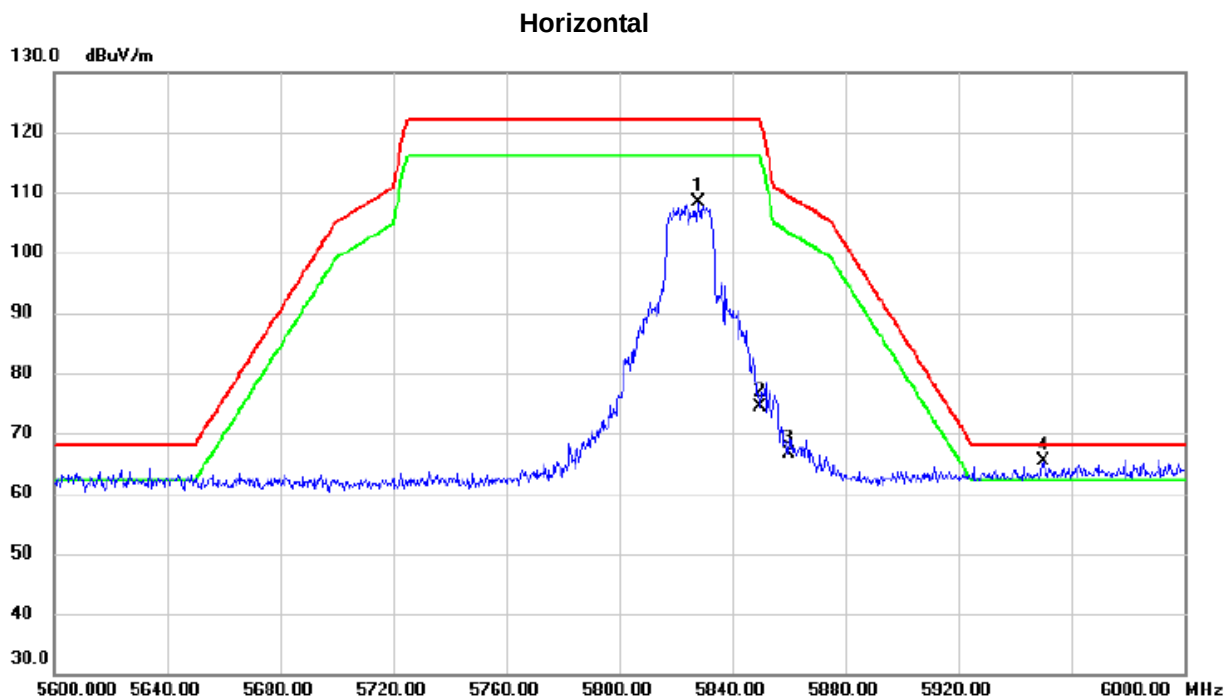


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11641.1500   | 47.92                      | 2.14                    | 50.06                     | 74.00           | -23.94       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5827.800     | 69.52                    | 38.85                   | 108.37                     | 122.20          | -13.83       | peak     |         |
| 2   |     | 5850.000     | 35.52                    | 38.91                   | 74.43                      | 122.20          | -47.77       | peak     |         |
| 3   |     | 5860.000     | 27.77                    | 38.95                   | 66.72                      | 109.40          | -42.68       | peak     |         |
| 4   | *   | 5950.000     | 26.12                    | 39.15                   | 65.27                      | 68.20           | -2.93        | peak     |         |

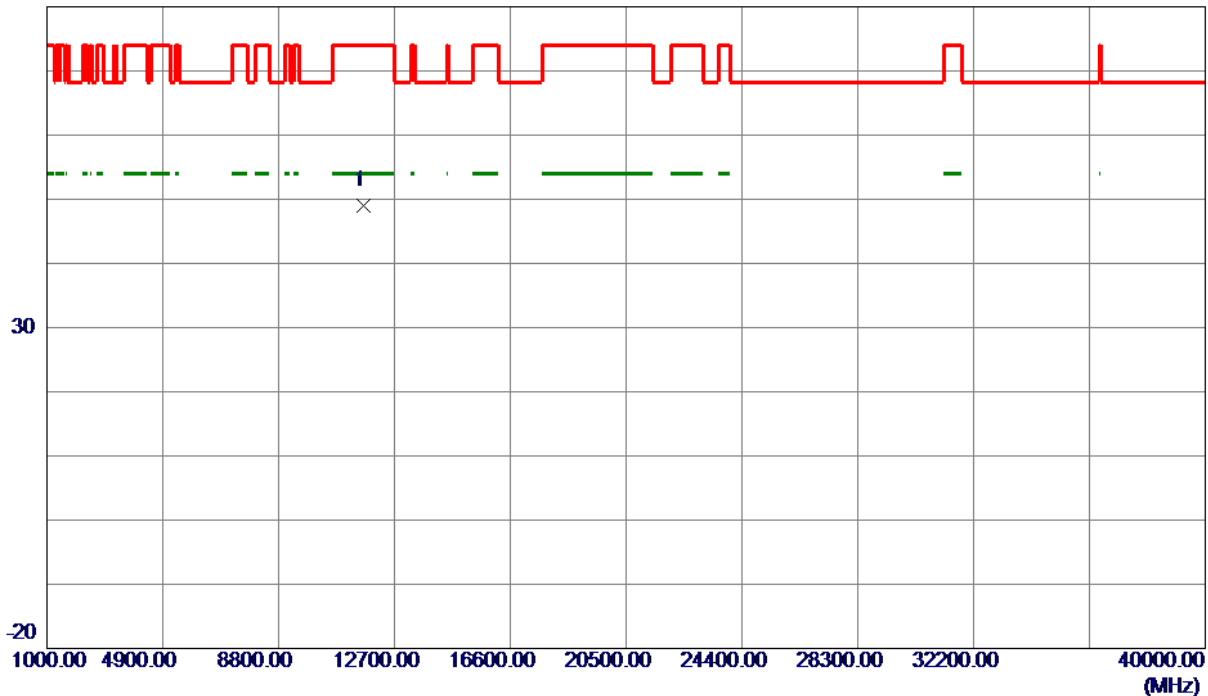
#### REMARKS:

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

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

## Horizontal

80 dBuV/m



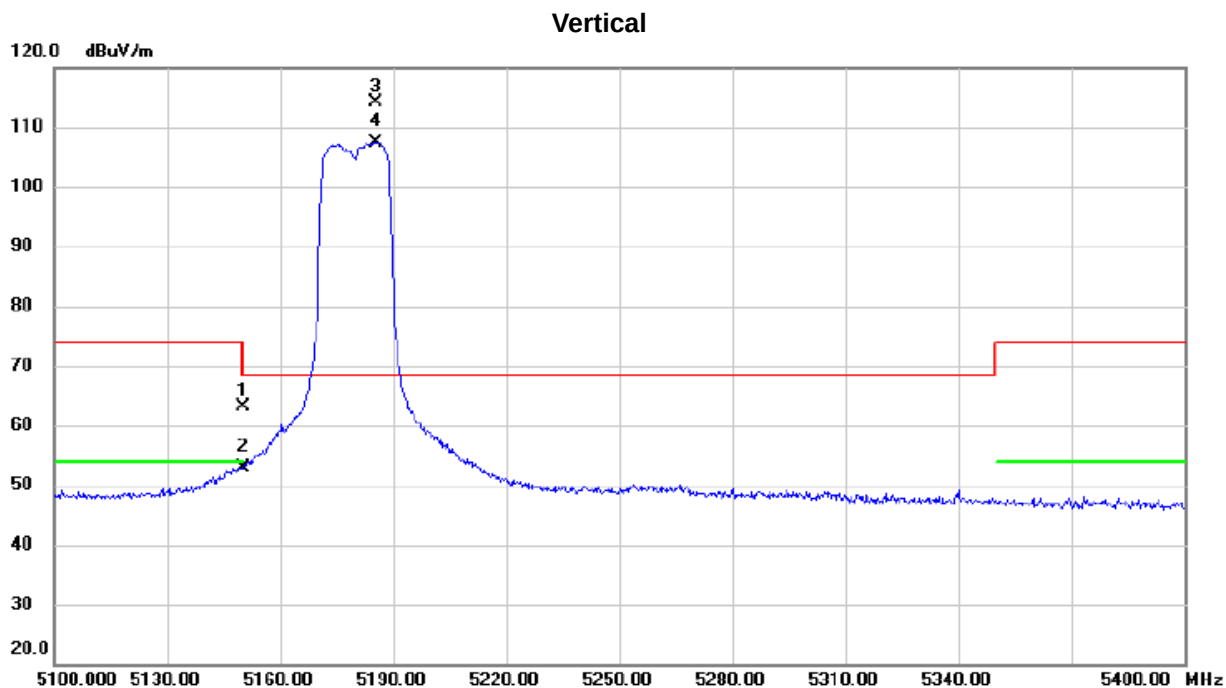
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11640.0000   | 46.78                      | 2.14                    | 48.92                     | 74.00           | -25.08       | Peak     |         |

### REMARKS:

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



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



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Margin |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m       | dBuV/m | dB     | Detector | Comment |
| 1   |     | 5150.000 | 25.24         | 37.88          | 63.12        | 74.00  | -10.88 | peak     |         |
| 2   |     | 5150.000 | 15.11         | 37.88          | 52.99        | 54.00  | -1.01  | AVG      |         |
| 3   | *   | 5185.350 | 76.30         | 37.74          | 114.04       | 68.30  | 45.74  | peak     |         |
| 4   | X   | 5185.350 | 69.72         | 37.74          | 107.46       | 68.30  | 39.16  | AVG      |         |

## REMARKS:

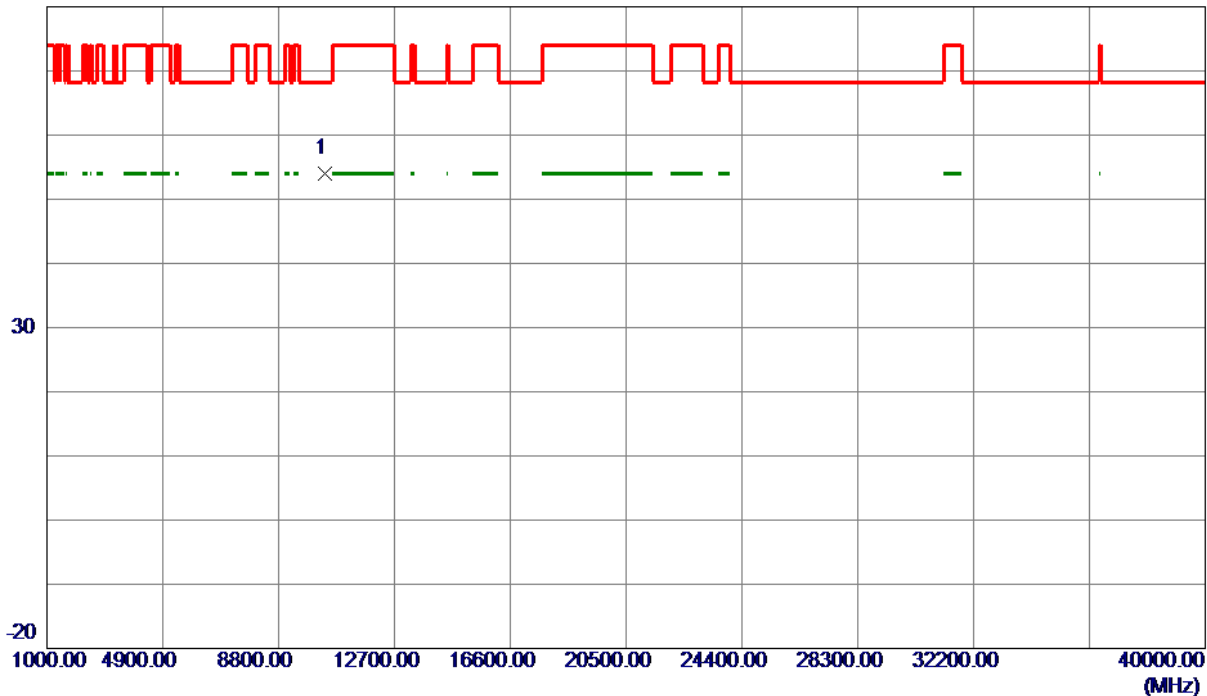
(1) Measurement Value = Reading Level + Correct Factor.

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

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

## Vertical

80 dBuV/m

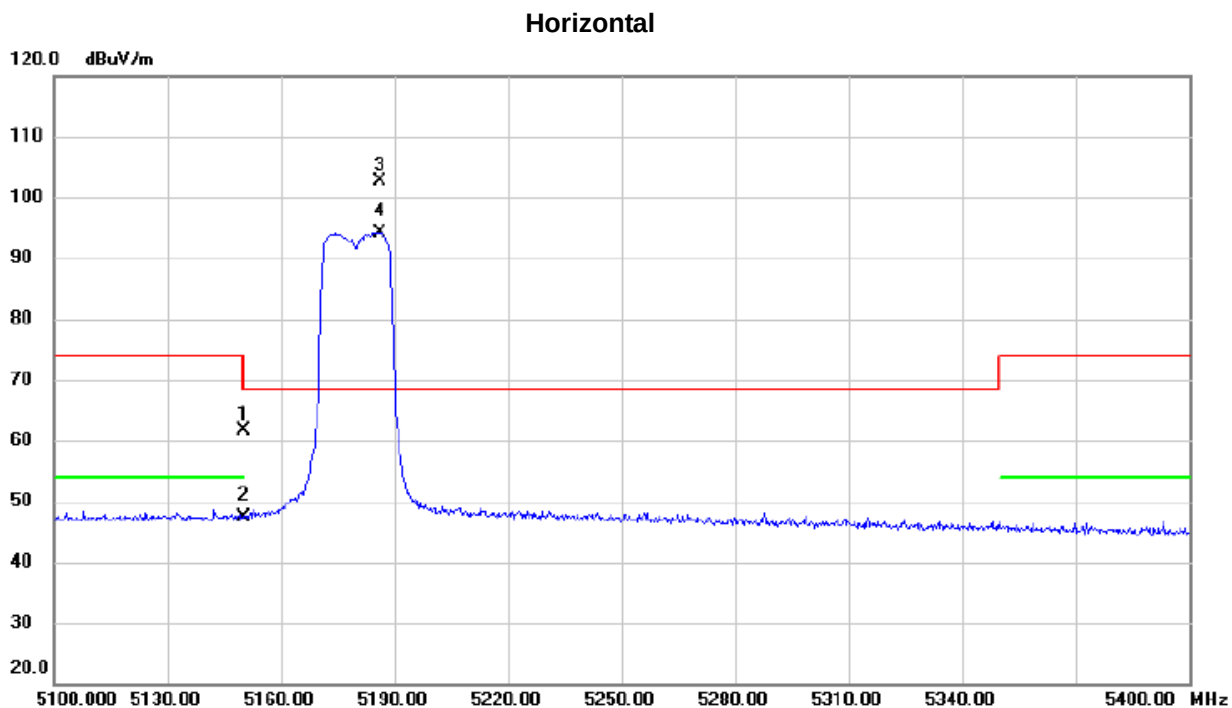


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 10360.0000   | 52.44                      | 1.65                    | 54.09                     | 68.30           | -14.21       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 23.67                    | 37.88                   | 61.55                      | 74.00           | -12.45       | peak     |         |
| 2   |     | 5150.000     | 9.48                     | 37.88                   | 47.36                      | 54.00           | -6.64        | AVG      |         |
| 3   | *   | 5186.250     | 64.90                    | 37.73                   | 102.63                     | 68.30           | 34.33        | peak     |         |
| 4   | X   | 5186.250     | 56.50                    | 37.73                   | 94.23                      | 68.30           | 25.93        | AVG      |         |

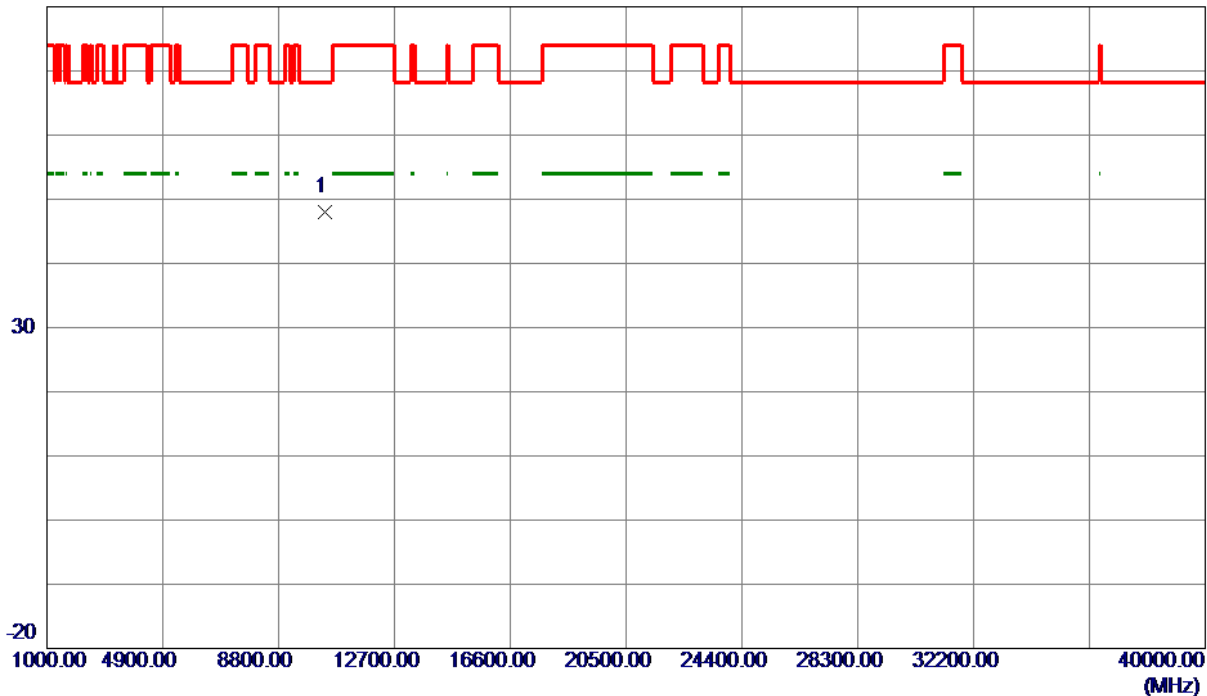
## REMARKS:

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

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

## Horizontal

80 dBuV/m

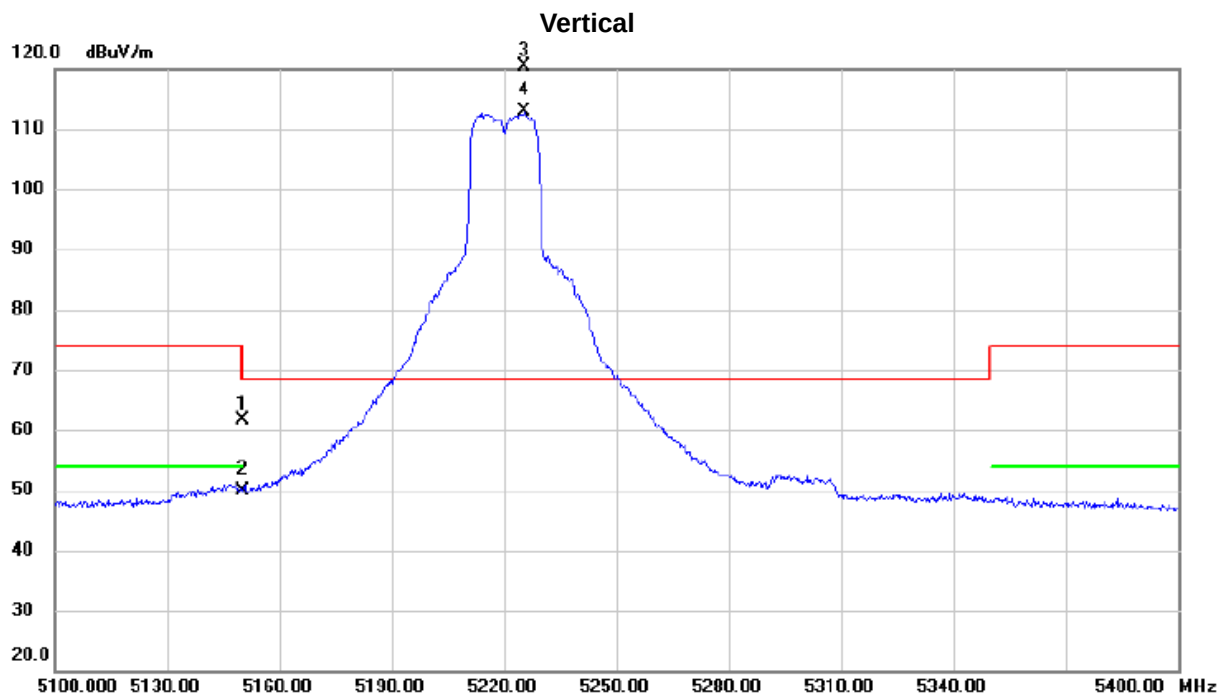


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 10367.8000   | 46.37                      | 1.66                    | 48.03                     | 68.30           | -20.27       | Peak     |         |

### REMARKS:

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

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT20) Mode 5220 MHz |



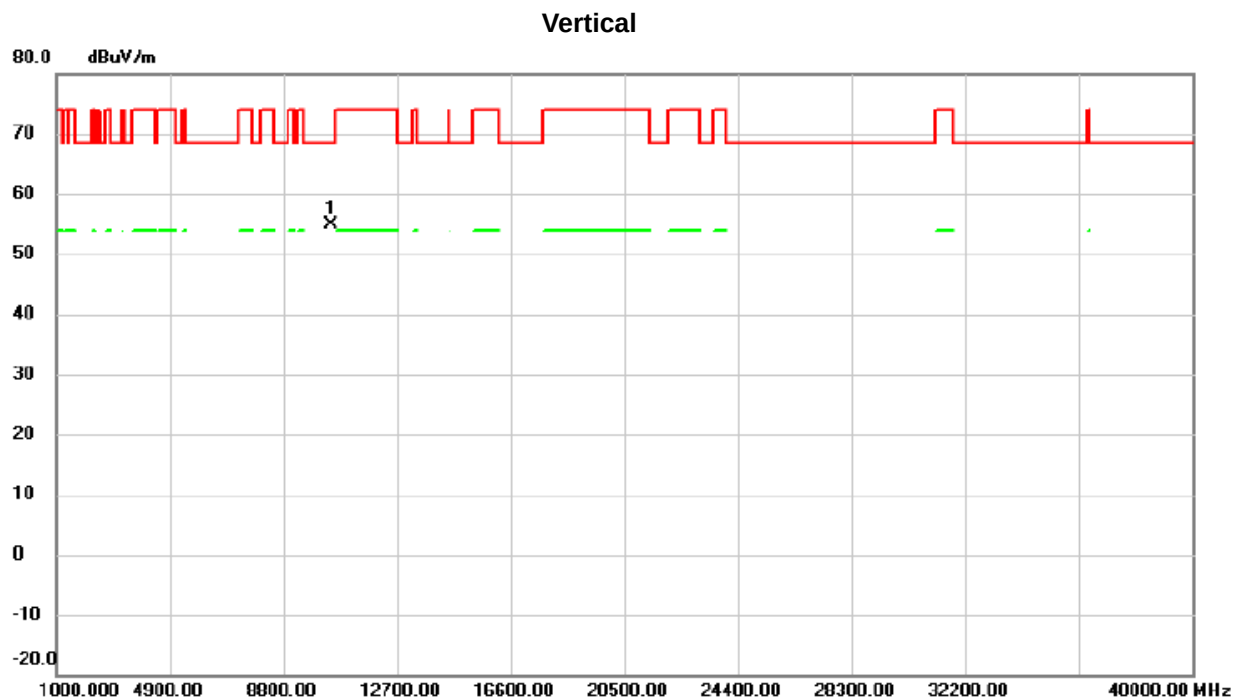
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 23.63                    | 37.88                   | 61.51                      | 74.00           | -12.49       | peak     |         |
| 2   |     | 5150.000     | 12.04                    | 37.88                   | 49.92                      | 54.00           | -4.08        | AVG      |         |
| 3   | *   | 5225.550     | 82.65                    | 37.64                   | 120.29                     | 68.30           | 51.99        | peak     |         |
| 4   | X   | 5225.550     | 75.16                    | 37.64                   | 112.80                     | 68.30           | 44.50        | AVG      |         |

## REMARKS:

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

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

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT20) Mode 5220 MHz |

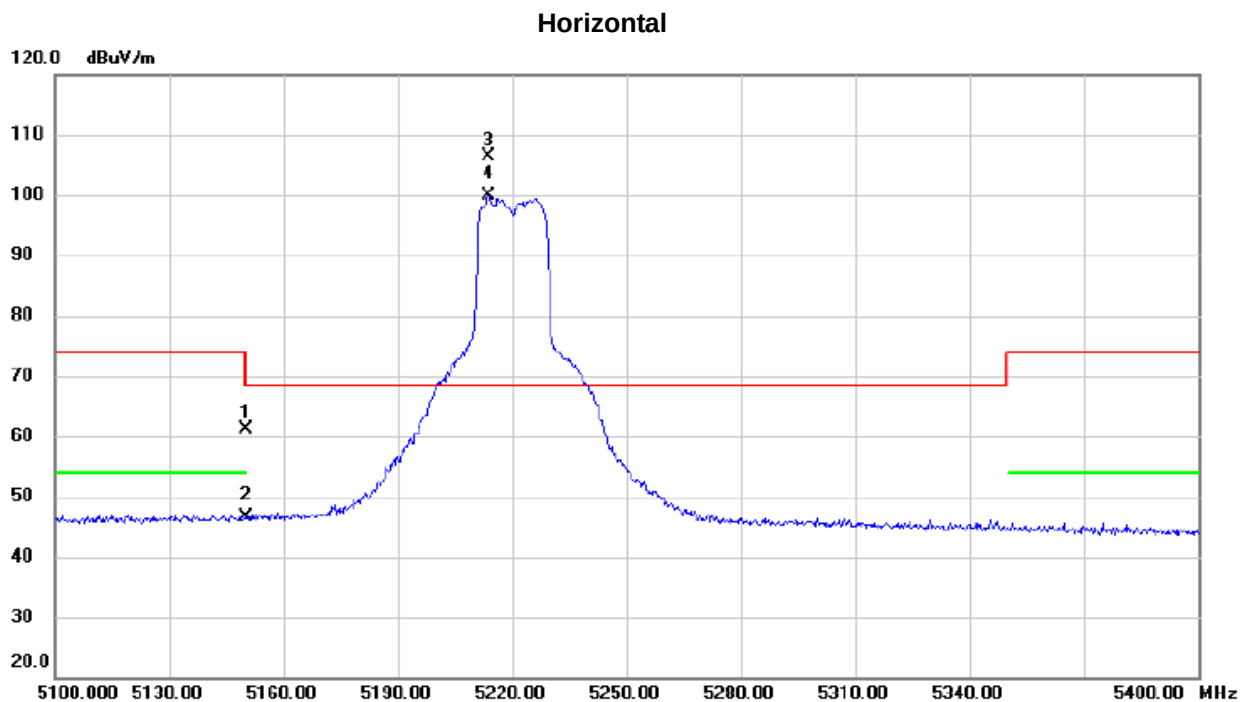


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | *   | 10439.95     | 53.23                    | 1.76                    | 54.99                      | 68.30           | -13.31       | peak     |         |

## REMARKS:

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

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT20) Mode 5220 MHz |



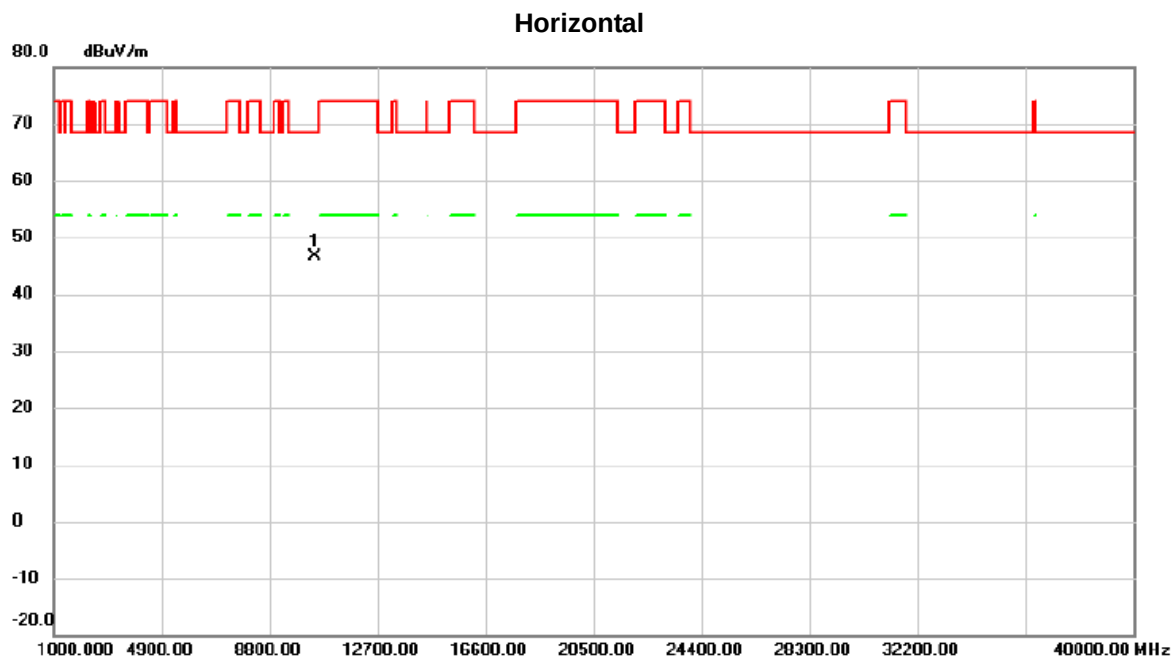
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 23.32                    | 37.88                   | 61.20                      | 74.00           | -12.80       | peak     |         |
| 2   |     | 5150.000     | 8.84                     | 37.88                   | 46.72                      | 54.00           | -7.28        | AVG      |         |
| 3   | *   | 5213.850     | 68.81                    | 37.66                   | 106.47                     | 68.30           | 38.17        | peak     |         |
| 4   | X   | 5213.850     | 62.17                    | 37.66                   | 99.83                      | 68.30           | 31.53        | AVG      |         |

## REMARKS:

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

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

|                 |                                    |
|-----------------|------------------------------------|
| Orthogonal Axis | X                                  |
| Test Mode       | UNII-1_TX AC (VHT20) Mode 5220 MHz |



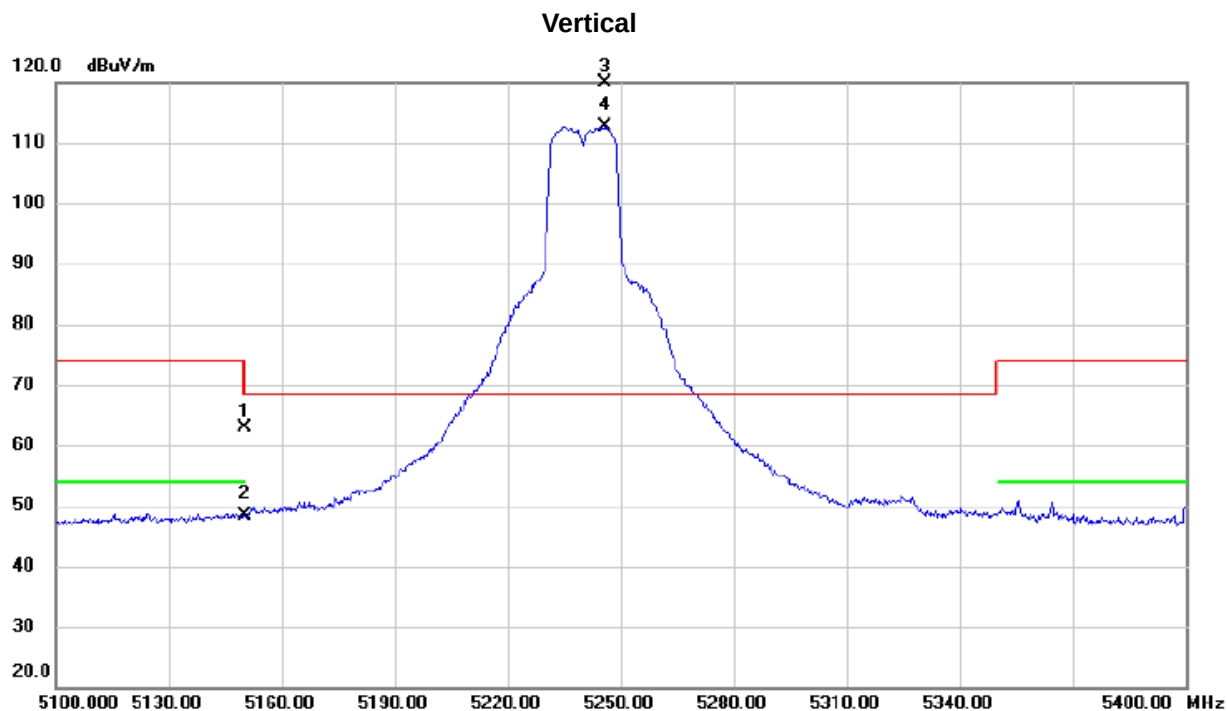
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   | *   | 10440.00 | 44.75         | 1.76           | 46.51       | 68.30  | -21.79 | peak     |         |

## REMARKS:

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



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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 24.88                    | 37.88                   | 62.76                      | 74.00           | -11.24       | peak     |         |
| 2   |     | 5150.000     | 10.42                    | 37.88                   | 48.30                      | 54.00           | -5.70        | AVG      |         |
| 3   | *   | 5245.800     | 82.19                    | 37.61                   | 119.80                     | 68.30           | 51.50        | peak     |         |
| 4   | X   | 5245.800     | 74.97                    | 37.61                   | 112.58                     | 68.30           | 44.28        | AVG      |         |

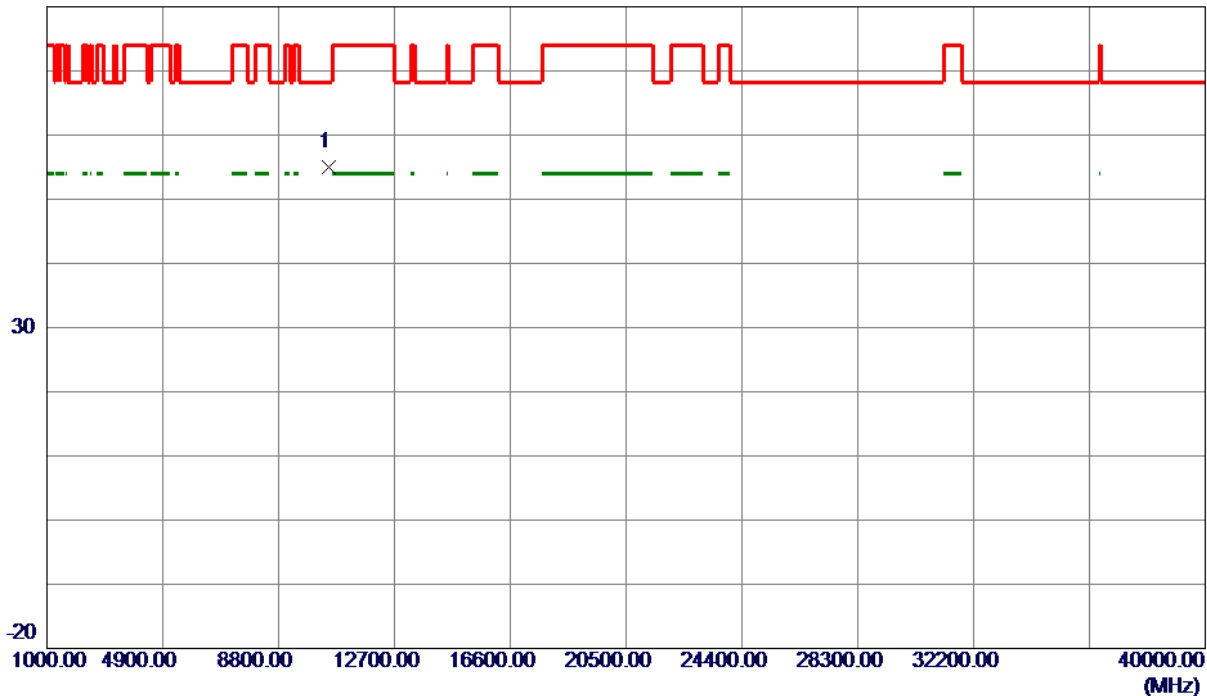
## REMARKS:

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

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

## Vertical

80 dBuV/m

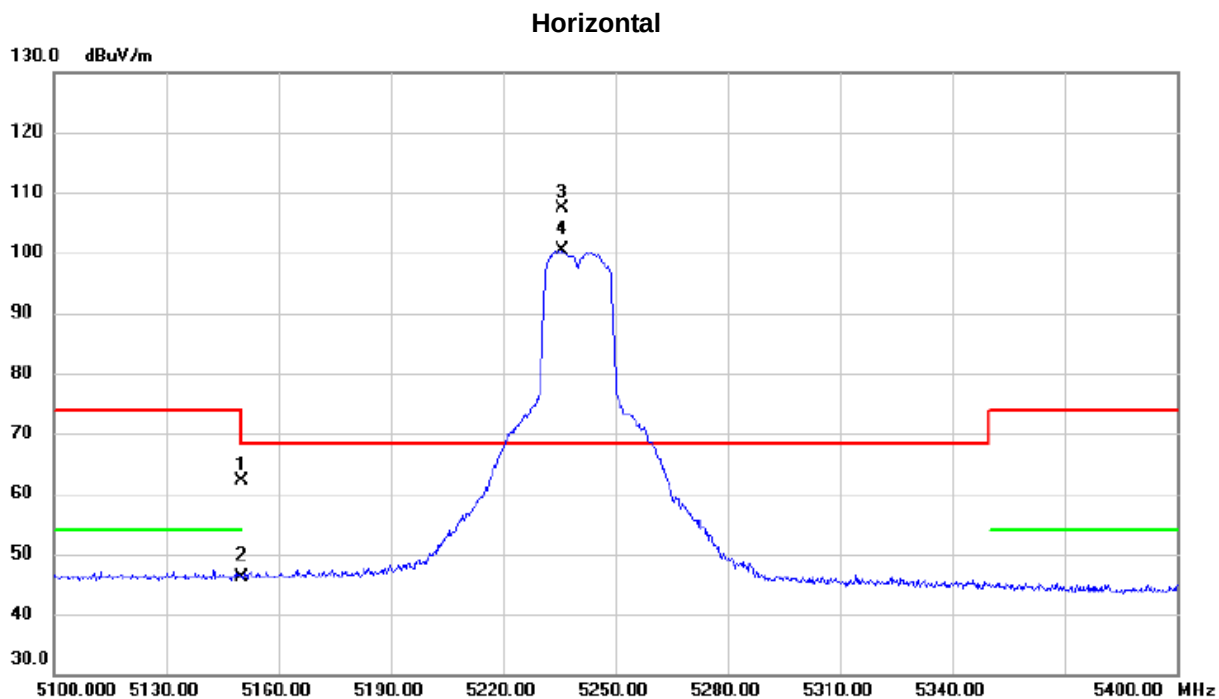


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 10478.9500   | 53.28                      | 1.80                    | 55.08                     | 68.30           | -13.22       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 24.36                    | 37.88                   | 62.24                      | 74.00           | -11.76       | peak     |         |
| 2   |     | 5150.000     | 8.37                     | 37.88                   | 46.25                      | 54.00           | -7.75        | AVG      |         |
| 3   | *   | 5235.900     | 69.81                    | 37.62                   | 107.43                     | 68.30           | 39.13        | peak     |         |
| 4   | X   | 5235.900     | 62.72                    | 37.62                   | 100.34                     | 68.30           | 32.04        | AVG      |         |

## REMARKS:

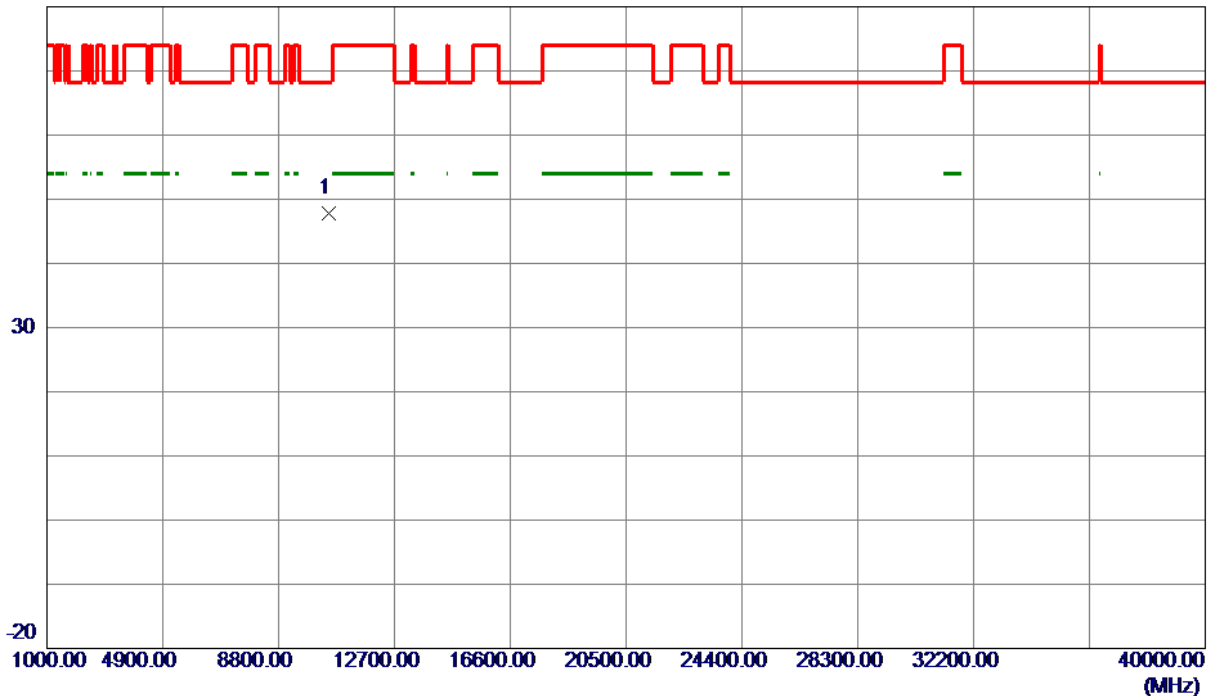
(1) Measurement Value = Reading Level + Correct Factor.

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

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

## Horizontal

80 dBuV/m

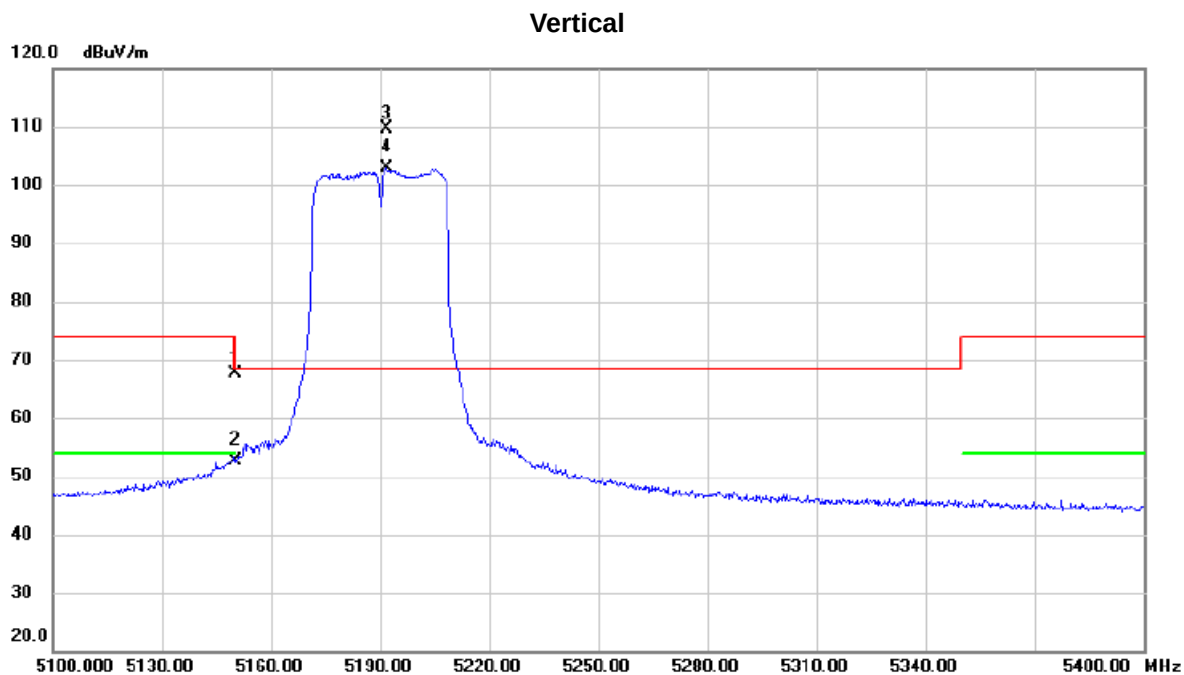


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 10480.0000   | 46.04                      | 1.80                    | 47.84                     | 68.30           | -20.46       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 29.65                    | 37.88                   | 67.53                      | 74.00           | -6.47        | peak     |         |
| 2   |     | 5150.000     | 14.80                    | 37.88                   | 52.68                      | 54.00           | -1.32        | AVG      |         |
| 3   | *   | 5191.650     | 71.85                    | 37.71                   | 109.56                     | 68.30           | 41.26        | peak     |         |
| 4   | X   | 5191.650     | 65.13                    | 37.71                   | 102.84                     | 68.30           | 34.54        | AVG      |         |

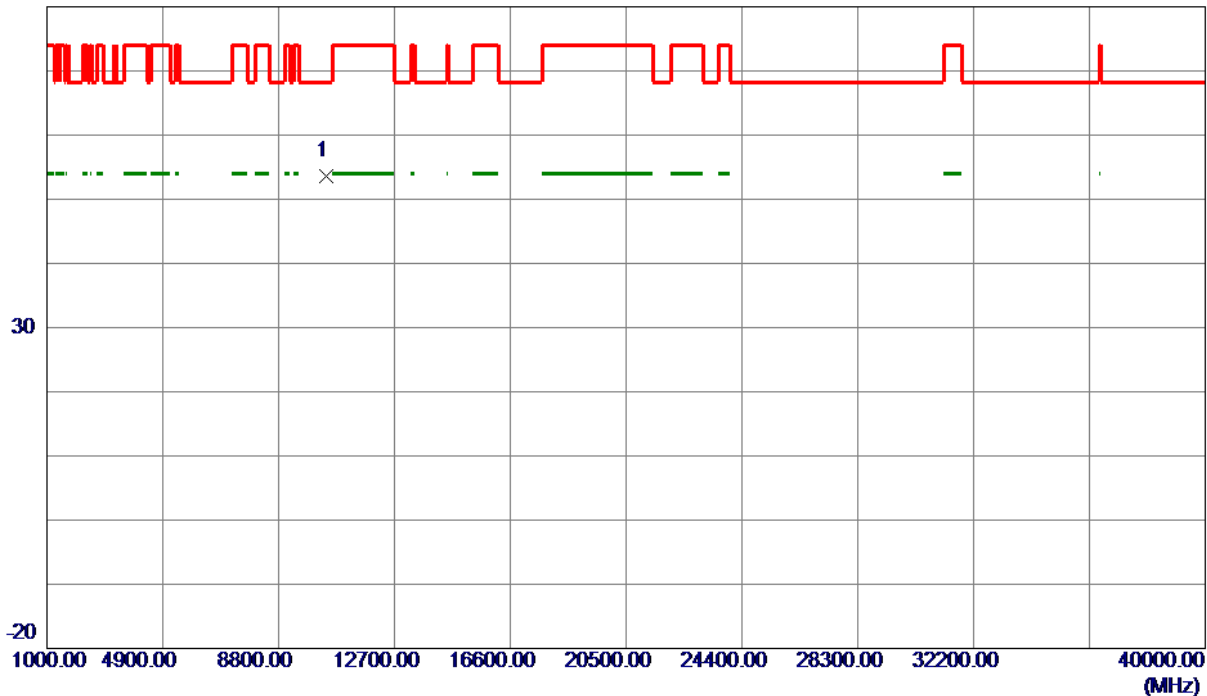
## REMARKS:

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

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

## Vertical

80 dBuV/m

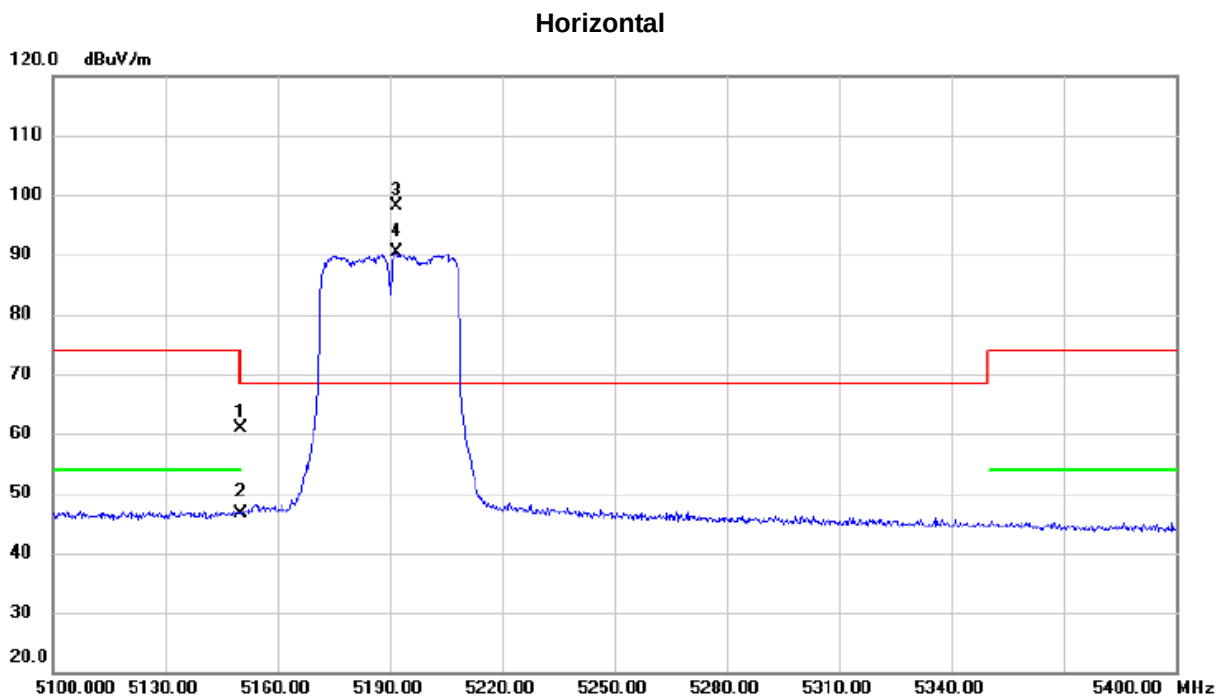


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 10399.0000   | 51.91                      | 1.72                    | 53.63                     | 68.30           | -14.67       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 22.95                    | 37.88                   | 60.83                      | 74.00           | -13.17       | peak     |         |
| 2   |     | 5150.000     | 8.70                     | 37.88                   | 46.58                      | 54.00           | -7.42        | AVG      |         |
| 3   | *   | 5191.800     | 60.34                    | 37.71                   | 98.05                      | 68.30           | 29.75        | peak     |         |
| 4   | X   | 5191.800     | 52.74                    | 37.71                   | 90.45                      | 68.30           | 22.15        | AVG      |         |

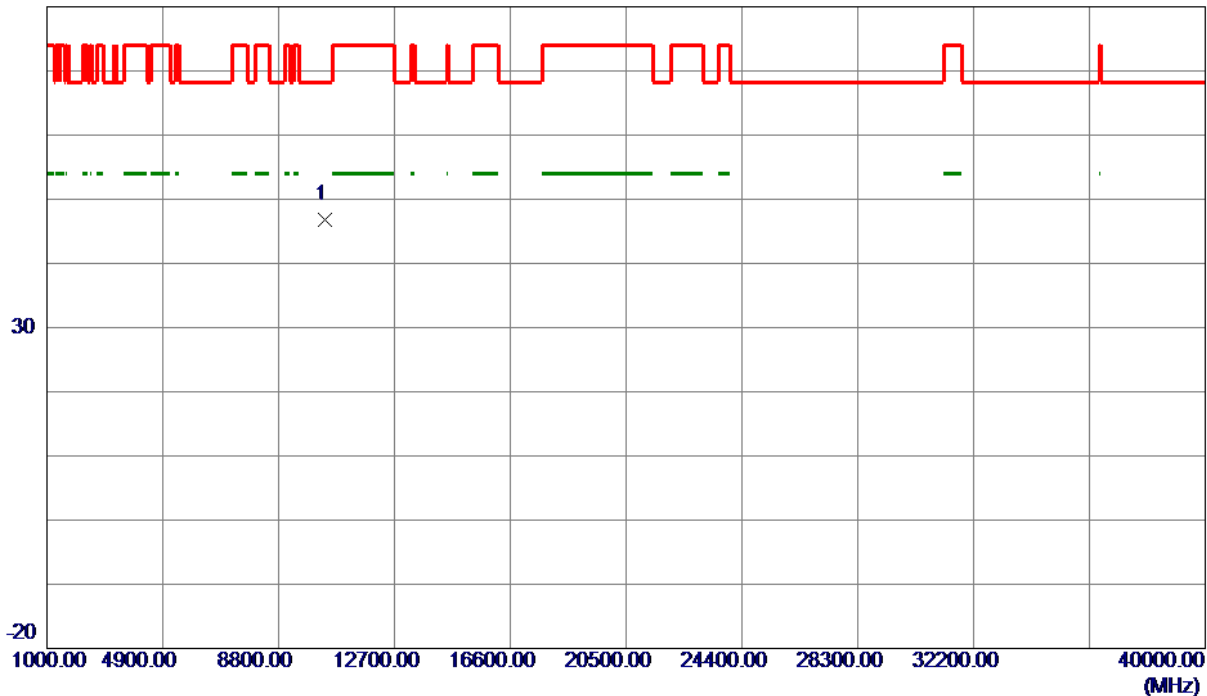
## REMARKS:

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

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

## Horizontal

80 dBuV/m



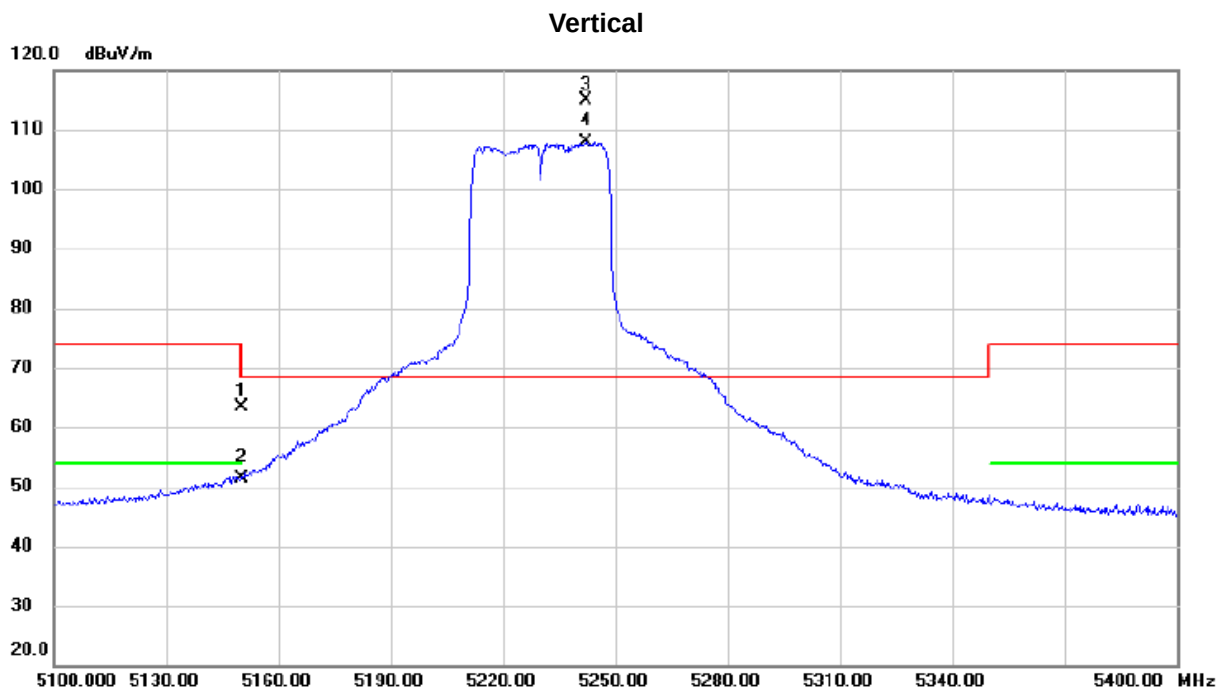
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 10380.0000   | 45.20                      | 1.68                    | 46.88                     | 68.30           | -21.42       | Peak     |         |

### REMARKS:

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



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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 25.39                    | 37.88                   | 63.27                      | 74.00           | -10.73       | peak     |         |
| 2   |     | 5150.000     | 13.50                    | 37.88                   | 51.38                      | 54.00           | -2.62        | AVG      |         |
| 3   | *   | 5242.200     | 77.25                    | 37.62                   | 114.87                     | 68.30           | 46.57        | peak     |         |
| 4   | X   | 5242.200     | 70.17                    | 37.62                   | 107.79                     | 68.30           | 39.49        | AVG      |         |

## REMARKS:

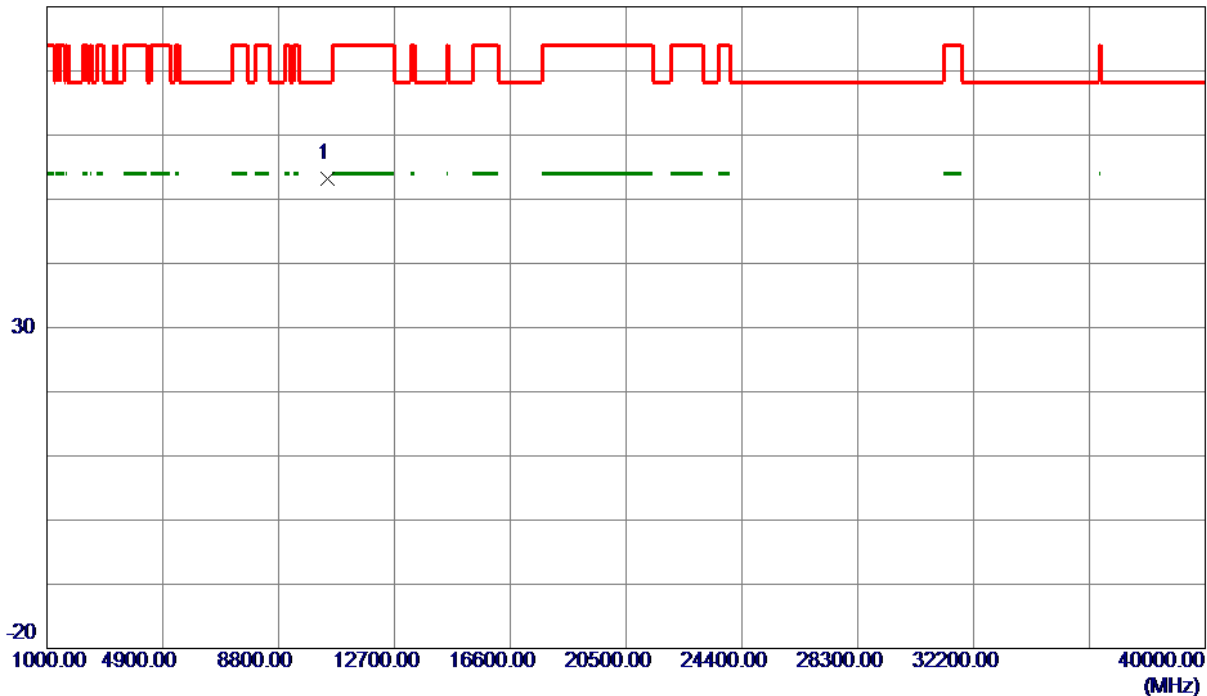
(1) Measurement Value = Reading Level + Correct Factor.

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

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

## Vertical

80 dBuV/m

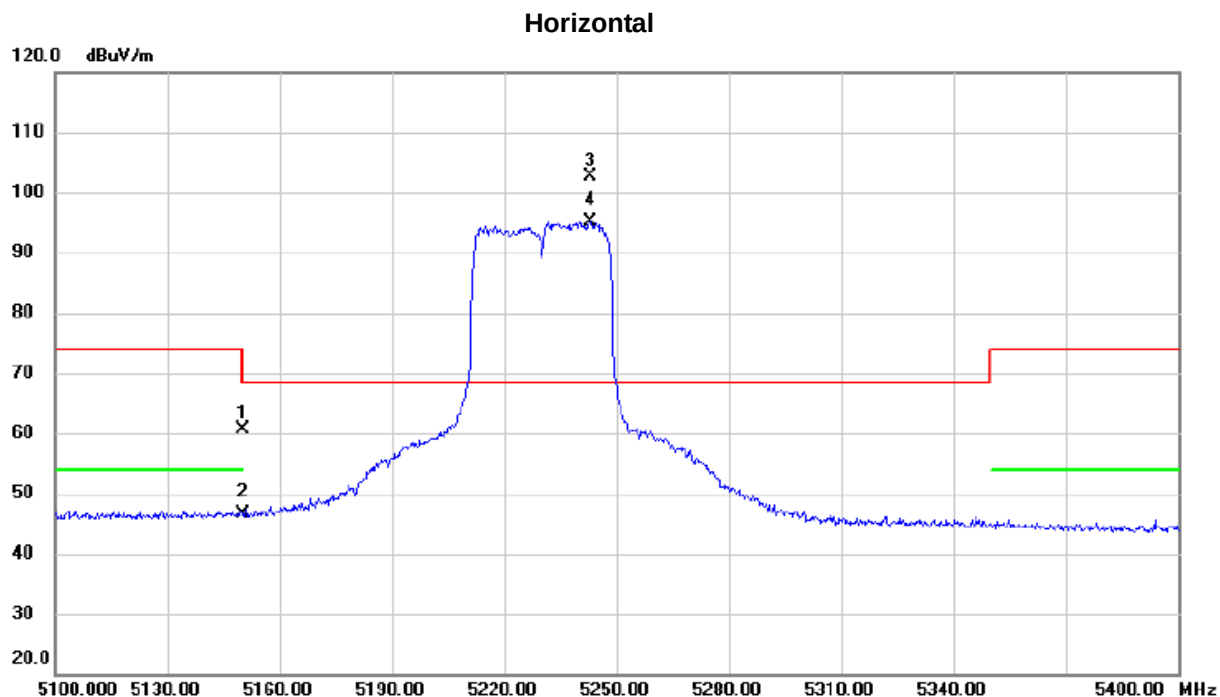


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 10453.6000   | 51.50                      | 1.77                    | 53.27                     | 68.30           | -15.03       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 22.81                    | 37.88                   | 60.69                      | 74.00           | -13.31       | peak     |         |
| 2   |     | 5150.000     | 8.78                     | 37.88                   | 46.66                      | 54.00           | -7.34        | AVG      |         |
| 3   | *   | 5242.800     | 65.00                    | 37.62                   | 102.62                     | 68.30           | 34.32        | peak     |         |
| 4   | X   | 5242.800     | 57.47                    | 37.62                   | 95.09                      | 68.30           | 26.79        | AVG      |         |

## REMARKS:

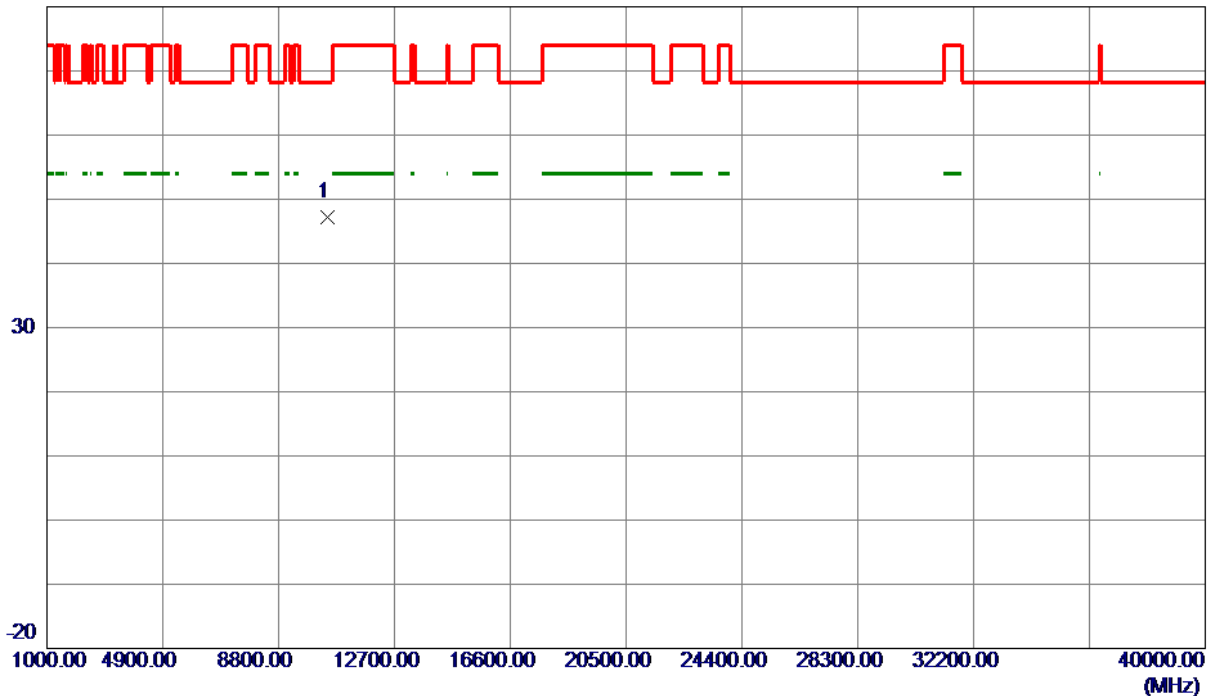
(1) Measurement Value = Reading Level + Correct Factor.

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

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

## Horizontal

80 dBuV/m

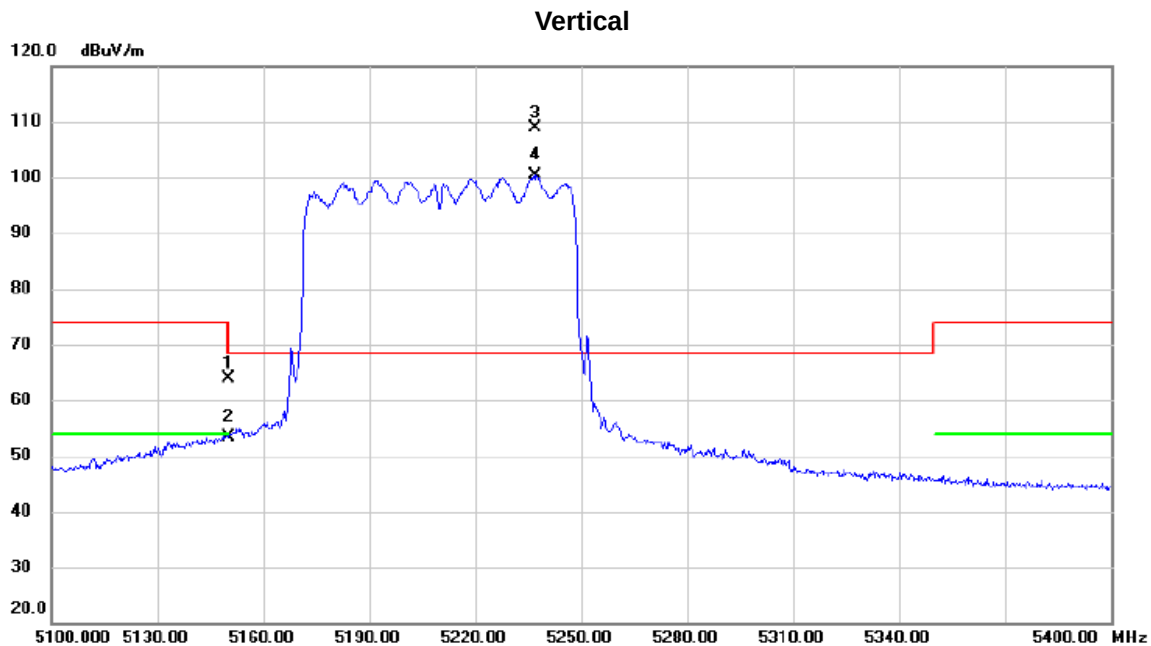


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 10460.0000   | 45.51                      | 1.78                    | 47.29                     | 68.30           | -21.01       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 25.89                    | 37.88                   | 63.77                      | 74.00           | -10.23       | peak     |         |
| 2   |     | 5150.000     | 15.58                    | 37.88                   | 53.46                      | 54.00           | -0.54        | AVG      |         |
| 3   | *   | 5236.800     | 71.32                    | 37.62                   | 108.94                     | 68.30           | 40.64        | peak     |         |
| 4   | X   | 5236.800     | 62.64                    | 37.62                   | 100.26                     | 68.30           | 31.96        | AVG      |         |

## REMARKS:

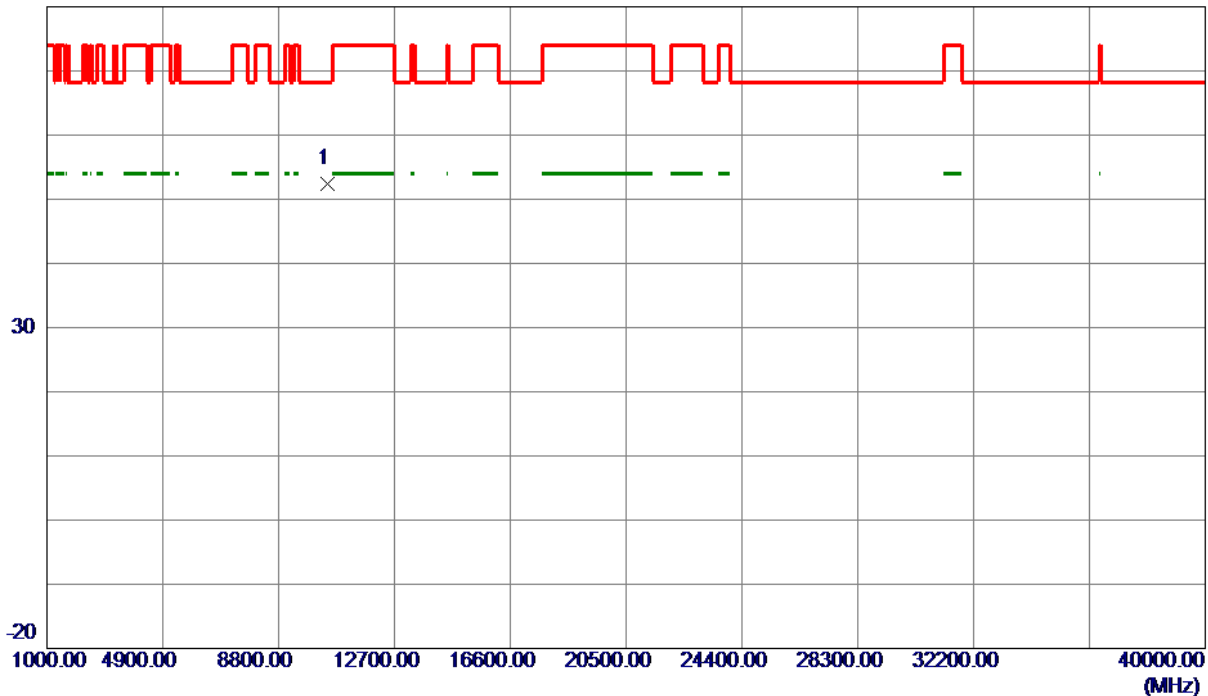
(1) Measurement Value = Reading Level + Correct Factor.

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

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

## Vertical

80 dBuV/m

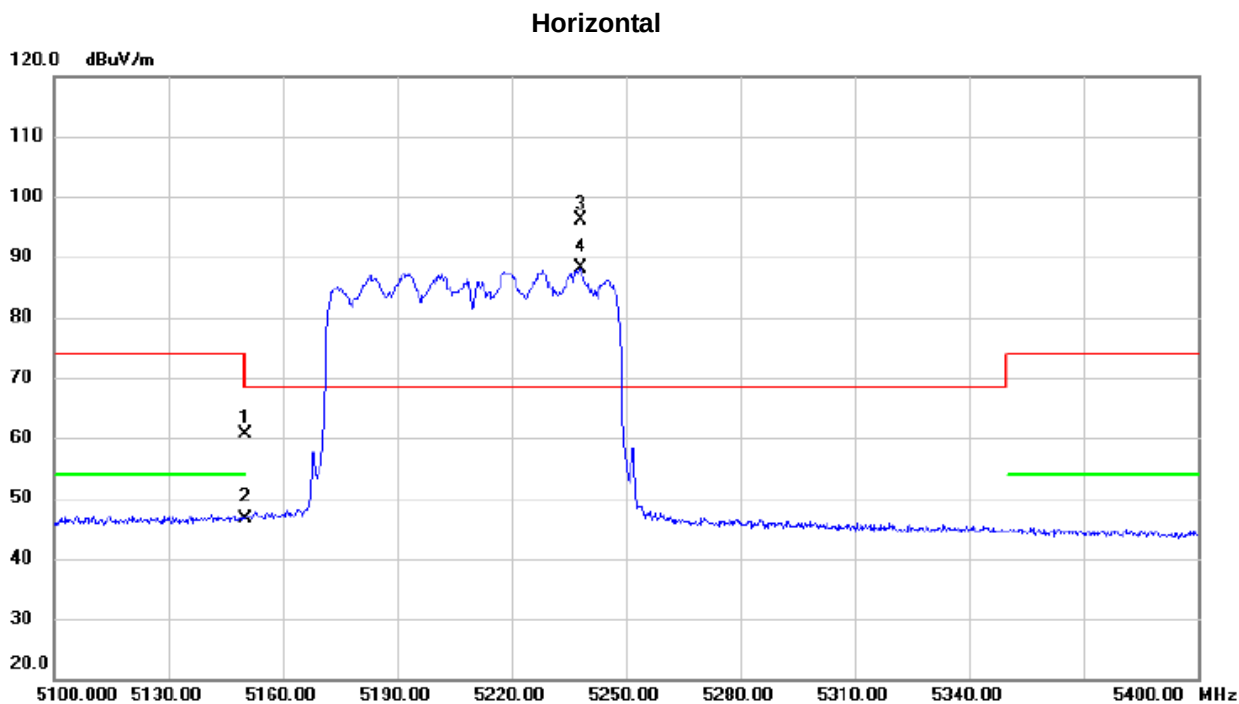


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 10449.7000   | 50.64                      | 1.77                    | 52.41                     | 68.30           | -15.89       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5150.000     | 22.76                    | 37.88                   | 60.64                      | 74.00           | -13.36       | peak     |         |
| 2   |     | 5150.000     | 8.76                     | 37.88                   | 46.64                      | 54.00           | -7.36        | AVG      |         |
| 3   | *   | 5238.000     | 58.59                    | 37.63                   | 96.22                      | 68.30           | 27.92        | peak     |         |
| 4   | X   | 5238.000     | 50.48                    | 37.63                   | 88.11                      | 68.30           | 19.81        | AVG      |         |

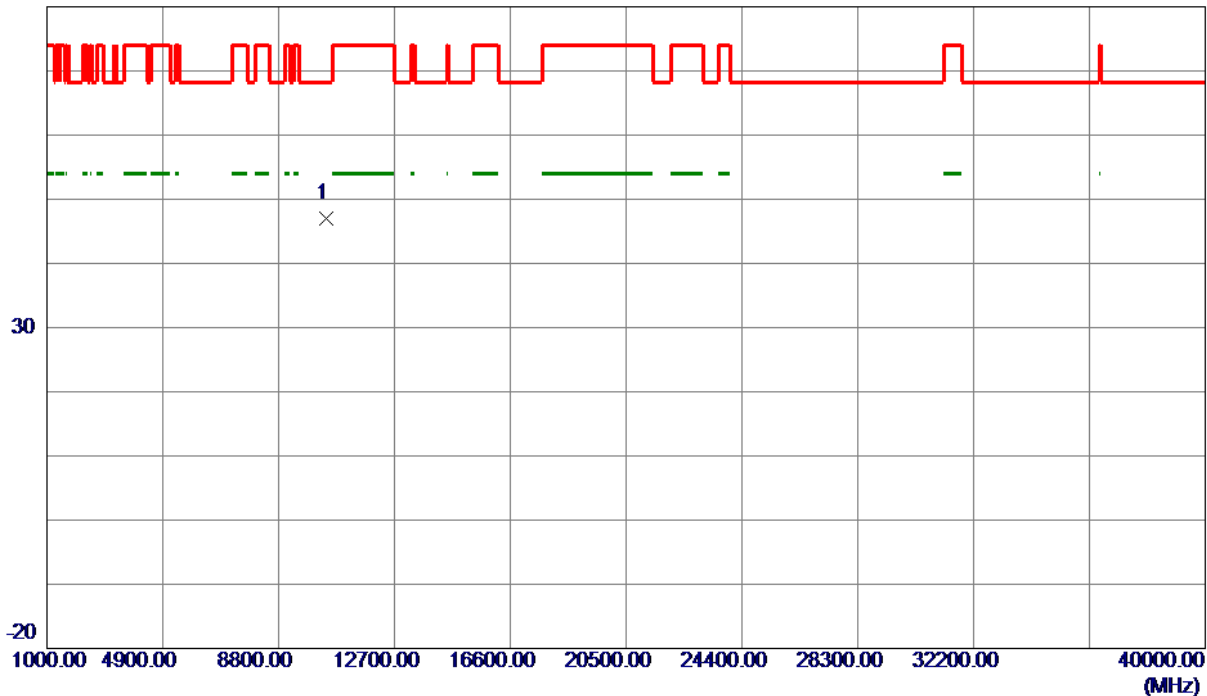
## REMARKS:

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

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

## Horizontal

80 dBuV/m



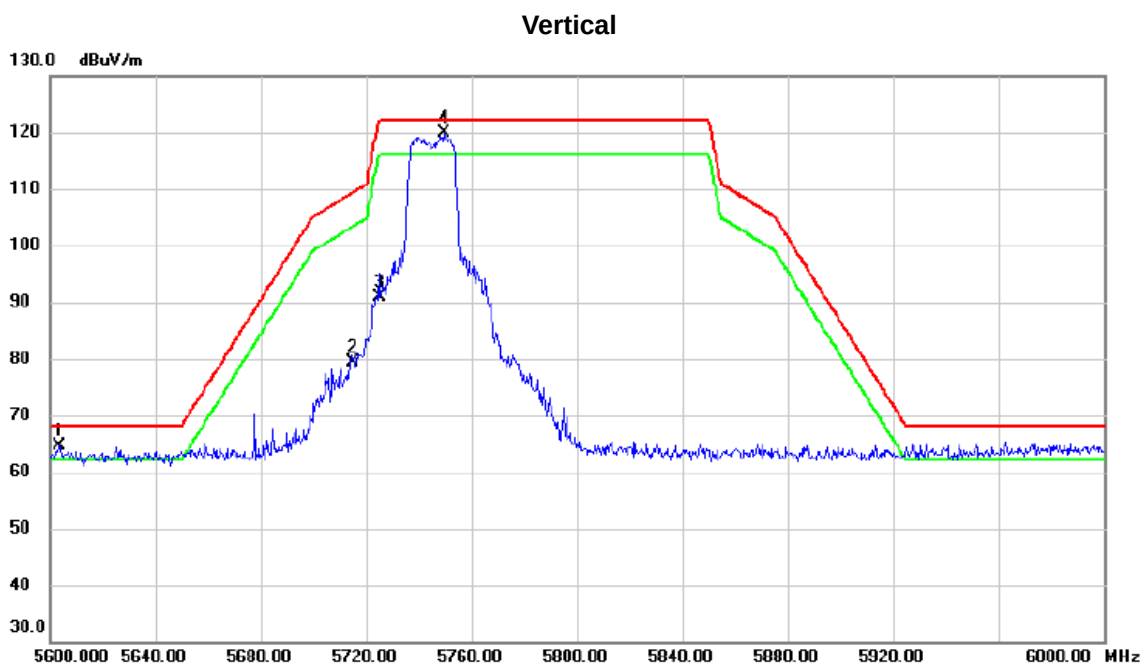
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 10420.0000   | 45.20                      | 1.74                    | 46.94                     | 68.30           | -21.36       | Peak     |         |

### REMARKS:

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



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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | !   | 5603.600     | 26.29                    | 38.34                   | 64.63                      | 68.20           | -3.57        | peak     |         |
| 2   |     | 5715.000     | 41.00                    | 38.46                   | 79.46                      | 109.40          | -29.94       | peak     |         |
| 3   |     | 5725.000     | 52.30                    | 38.50                   | 90.80                      | 122.20          | -31.40       | peak     |         |
| 4   | *   | 5749.400     | 81.17                    | 38.59                   | 119.76                     | 122.20          | -2.44        | peak     |         |

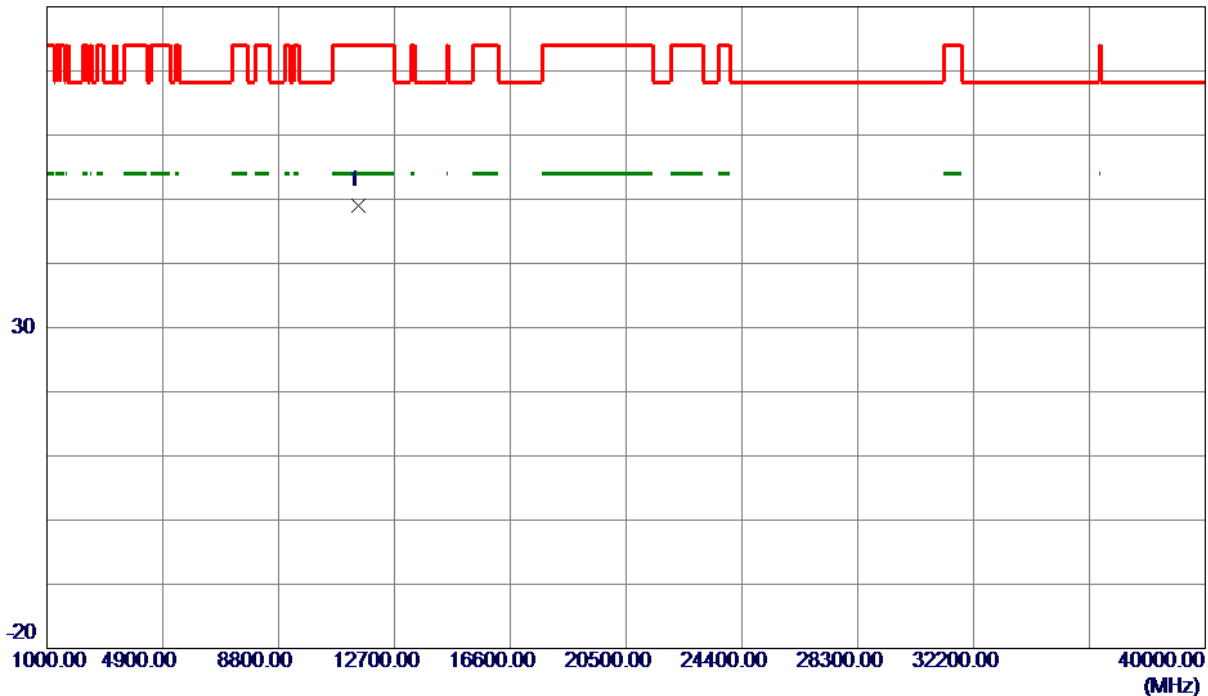
## REMARKS:

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

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

## Vertical

80 dBuV/m

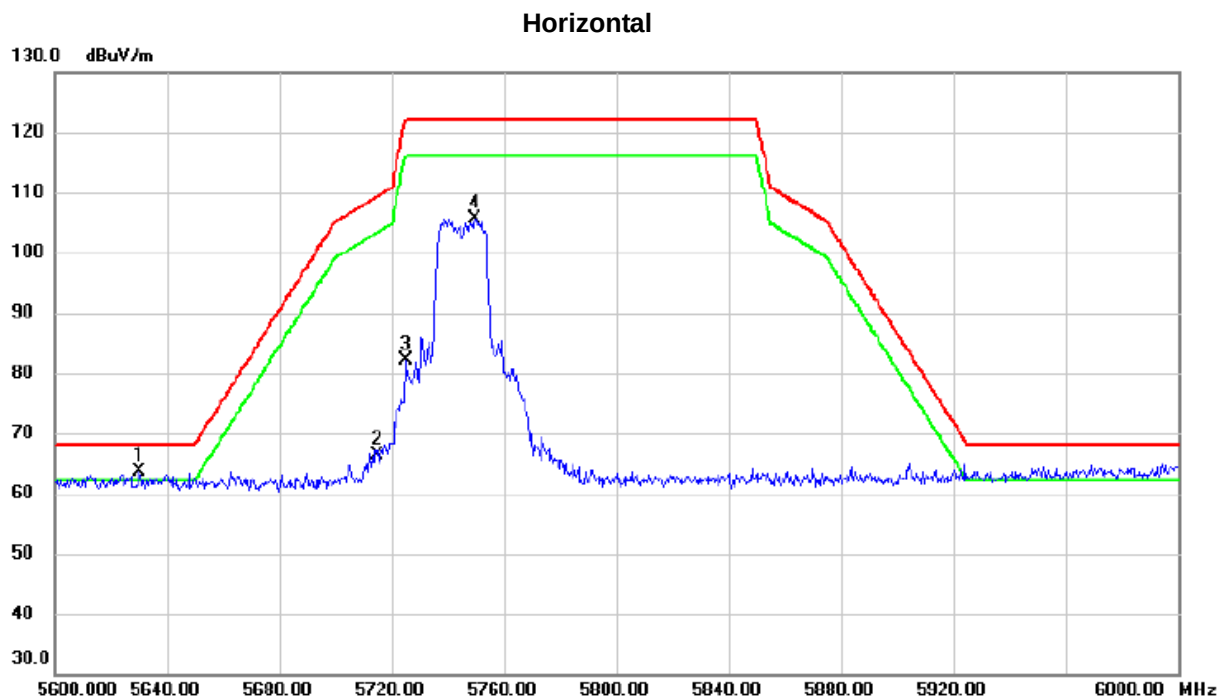


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11490.0000   | 46.78                      | 2.21                    | 48.99                     | 74.00           | -25.01       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | *   | 5630.400     | 25.32                    | 38.36                   | 63.68                      | 68.20           | -4.52        | peak     |         |
| 2   |     | 5715.000     | 27.92                    | 38.46                   | 66.38                      | 109.40          | -43.02       | peak     |         |
| 3   |     | 5725.000     | 43.64                    | 38.50                   | 82.14                      | 122.20          | -40.06       | peak     |         |
| 4   |     | 5749.600     | 67.05                    | 38.59                   | 105.64                     | 122.20          | -16.56       | peak     |         |

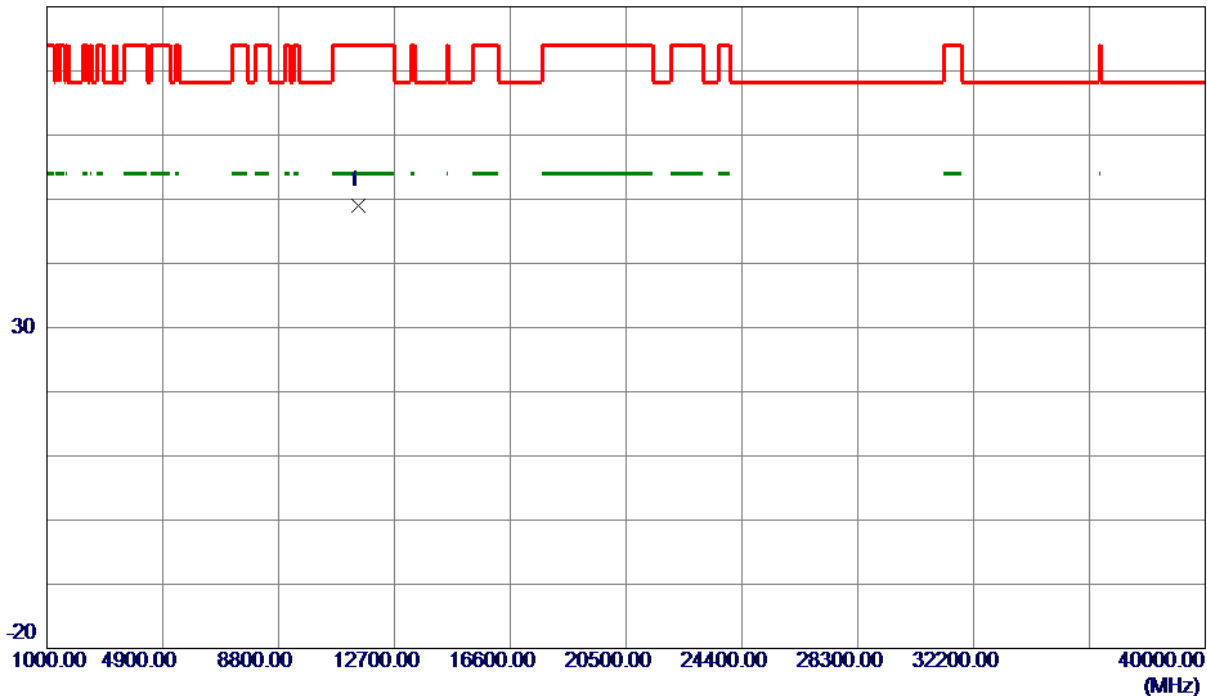
## REMARKS:

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

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

## Horizontal

80 dBuV/m

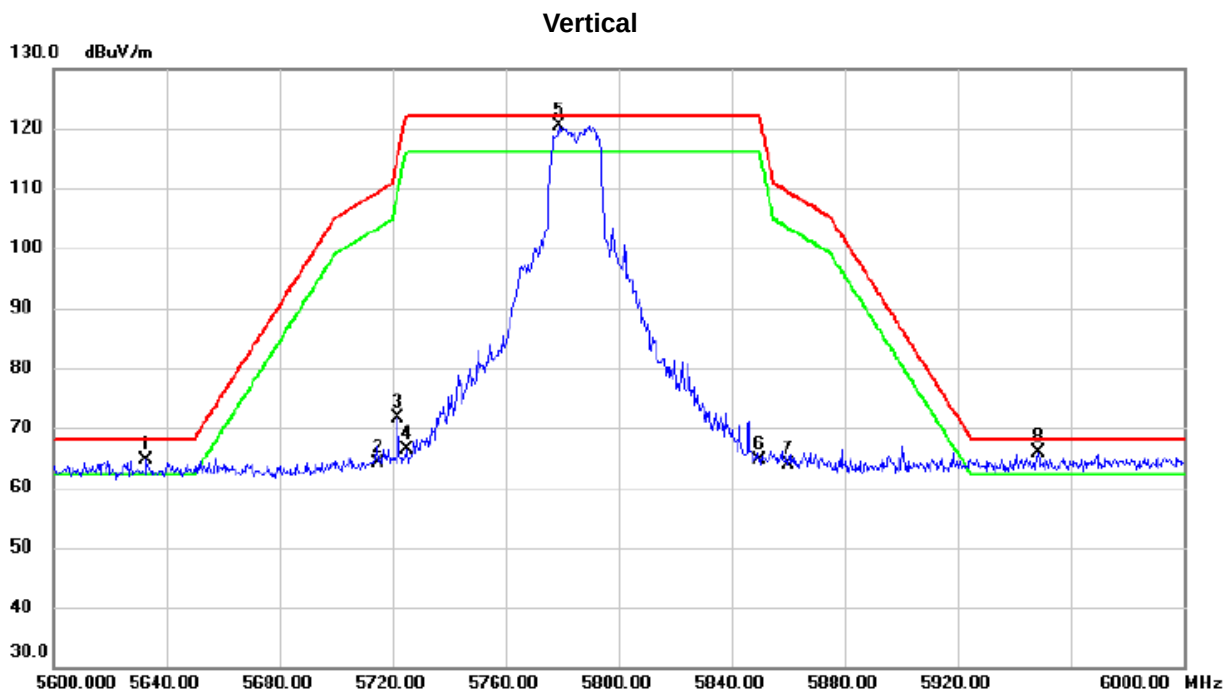


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11490.0000   | 46.79                      | 2.21                    | 49.00                     | 74.00           | -25.00       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | !   | 5633.000     | 26.22                    | 38.36                   | 64.58                      | 68.20           | -3.62        | peak     |         |
| 2   |     | 5715.000     | 25.73                    | 38.46                   | 64.19                      | 109.40          | -45.21       | peak     |         |
| 3   |     | 5722.000     | 33.03                    | 38.49                   | 71.52                      | 115.36          | -43.84       | peak     |         |
| 4   |     | 5725.000     | 27.80                    | 38.50                   | 66.30                      | 122.20          | -55.90       | peak     |         |
| 5   | *   | 5779.000     | 81.70                    | 38.70                   | 120.40                     | 122.20          | -1.80        | peak     |         |
| 6   |     | 5850.000     | 25.61                    | 38.91                   | 64.52                      | 122.20          | -57.68       | peak     |         |
| 7   |     | 5860.000     | 24.91                    | 38.95                   | 63.86                      | 109.40          | -45.54       | peak     |         |
| 8   | !   | 5948.400     | 26.82                    | 39.14                   | 65.96                      | 68.20           | -2.24        | peak     |         |

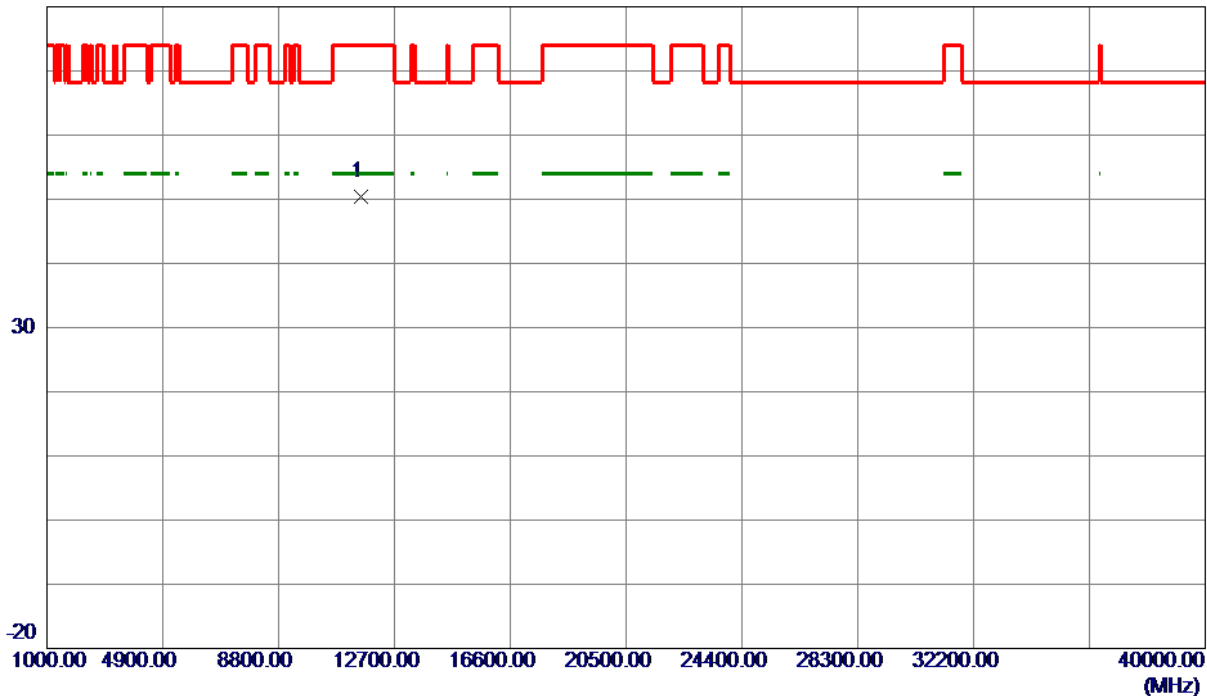
## REMARKS:

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

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

## Vertical

80 dBuV/m

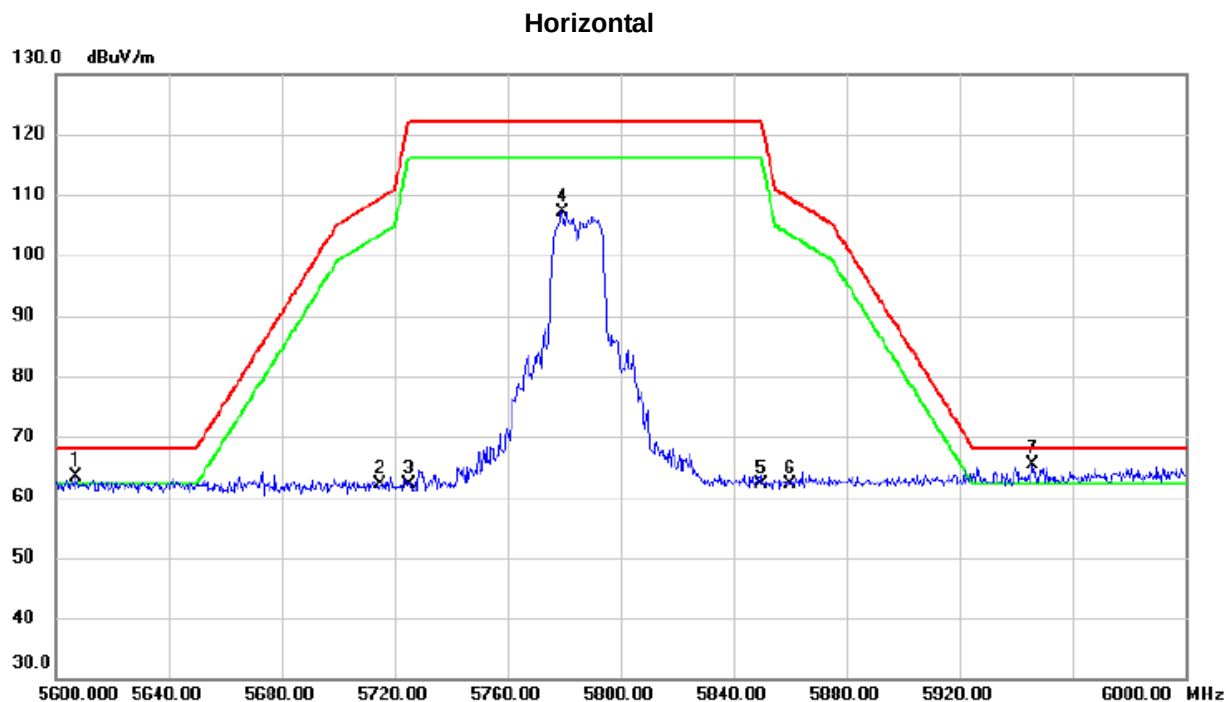


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11572.9000   | 48.06                      | 2.28                    | 50.34                     | 74.00           | -23.66       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | !   | 5607.200     | 24.97                    | 38.34                   | 63.31                      | 68.20           | -4.89        | peak     |         |
| 2   |     | 5715.000     | 23.73                    | 38.46                   | 62.19                      | 109.40          | -47.21       | peak     |         |
| 3   |     | 5725.000     | 23.65                    | 38.50                   | 62.15                      | 122.20          | -60.05       | peak     |         |
| 4   |     | 5779.600     | 68.43                    | 38.70                   | 107.13                     | 122.20          | -15.07       | peak     |         |
| 5   |     | 5850.000     | 23.27                    | 38.91                   | 62.18                      | 122.20          | -60.02       | peak     |         |
| 6   |     | 5860.000     | 23.30                    | 38.95                   | 62.25                      | 109.40          | -47.15       | peak     |         |
| 7   | *   | 5946.000     | 26.14                    | 39.14                   | 65.28                      | 68.20           | -2.92        | peak     |         |

## REMARKS:

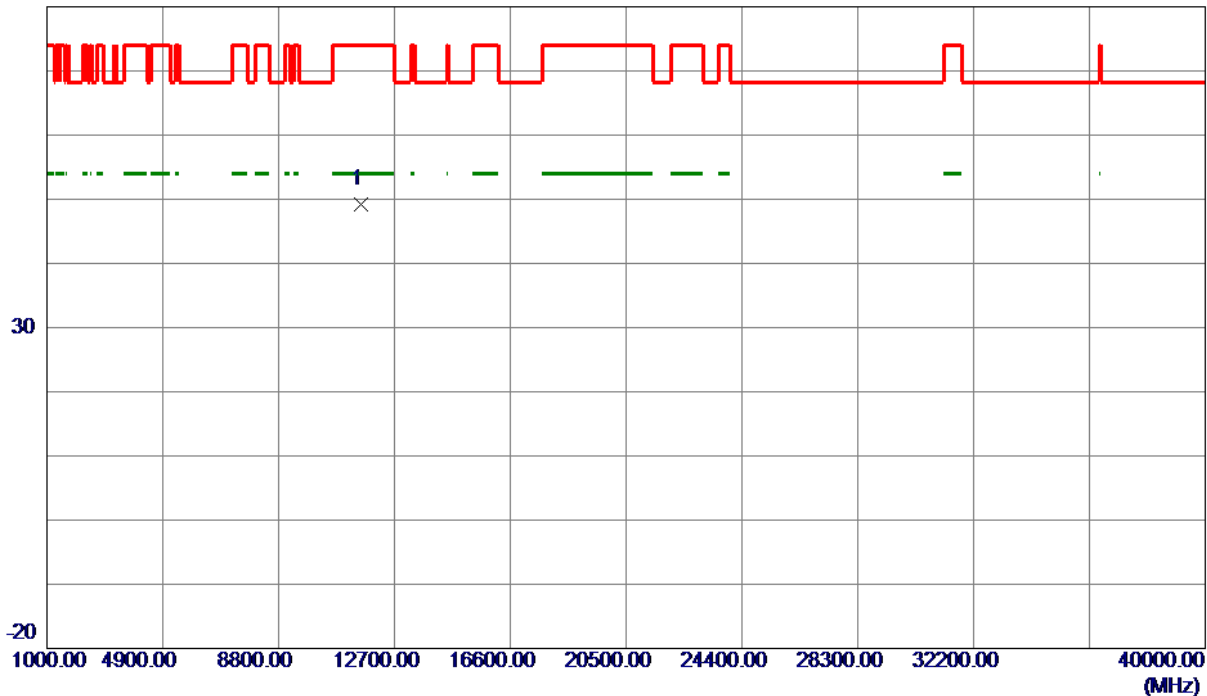
(1) Measurement Value = Reading Level + Correct Factor.

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

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

## Horizontal

80 dBuV/m



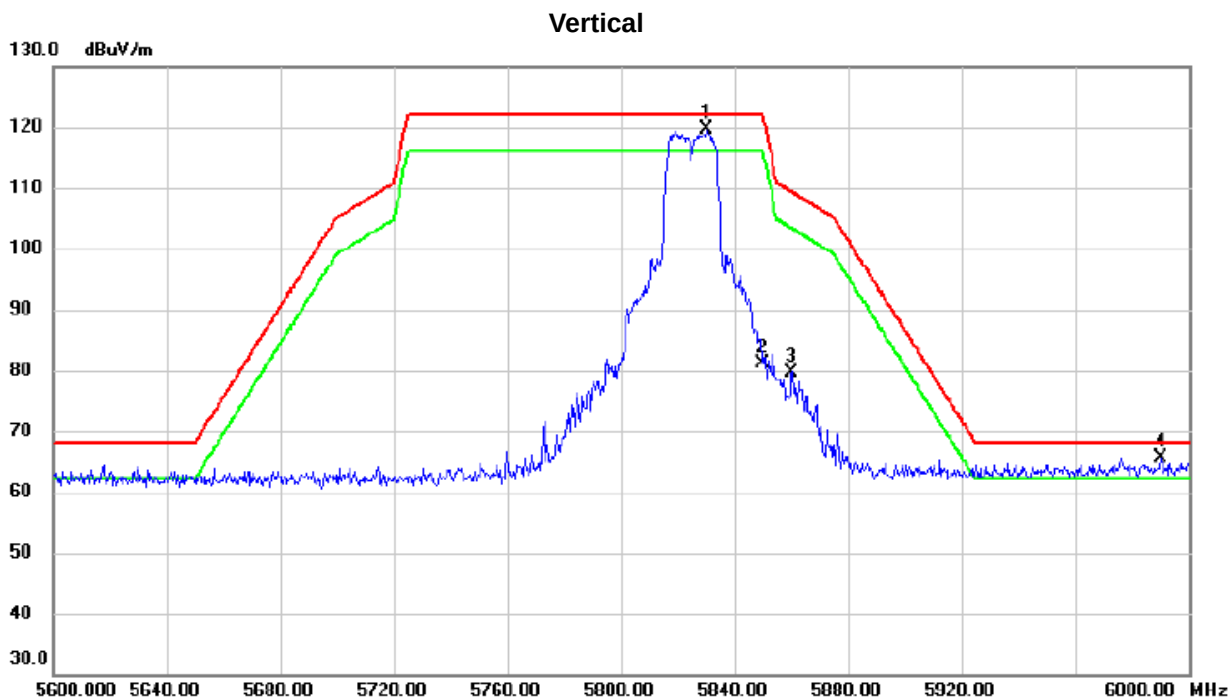
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11570.0000   | 46.97                      | 2.27                    | 49.24                     | 74.00           | -24.76       | Peak     |         |

### REMARKS:

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



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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | *   | 5830.000     | 80.71                    | 38.86                   | 119.57                     | 122.20          | -2.63        | peak     |         |
| 2   |     | 5850.000     | 42.11                    | 38.91                   | 81.02                      | 122.20          | -41.18       | peak     |         |
| 3   |     | 5860.000     | 40.66                    | 38.95                   | 79.61                      | 109.40          | -29.79       | peak     |         |
| 4   | !   | 5990.200     | 26.30                    | 39.23                   | 65.53                      | 68.20           | -2.67        | peak     |         |

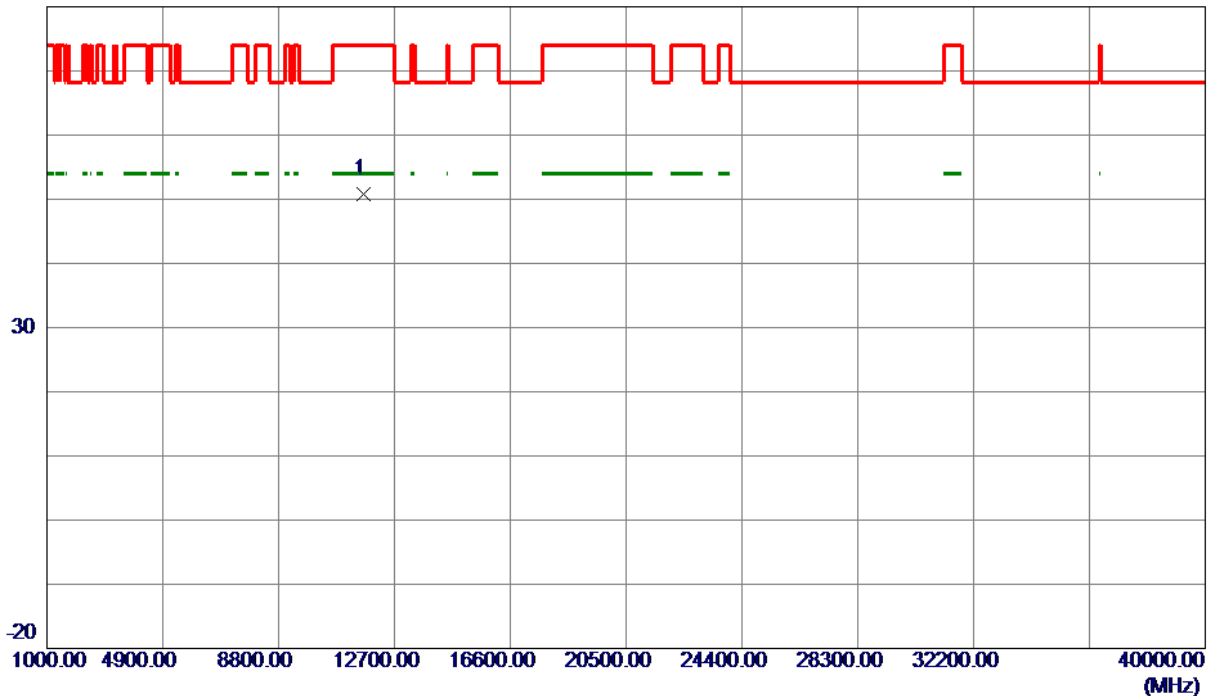
## REMARKS:

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

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

## Vertical

80 dBuV/m

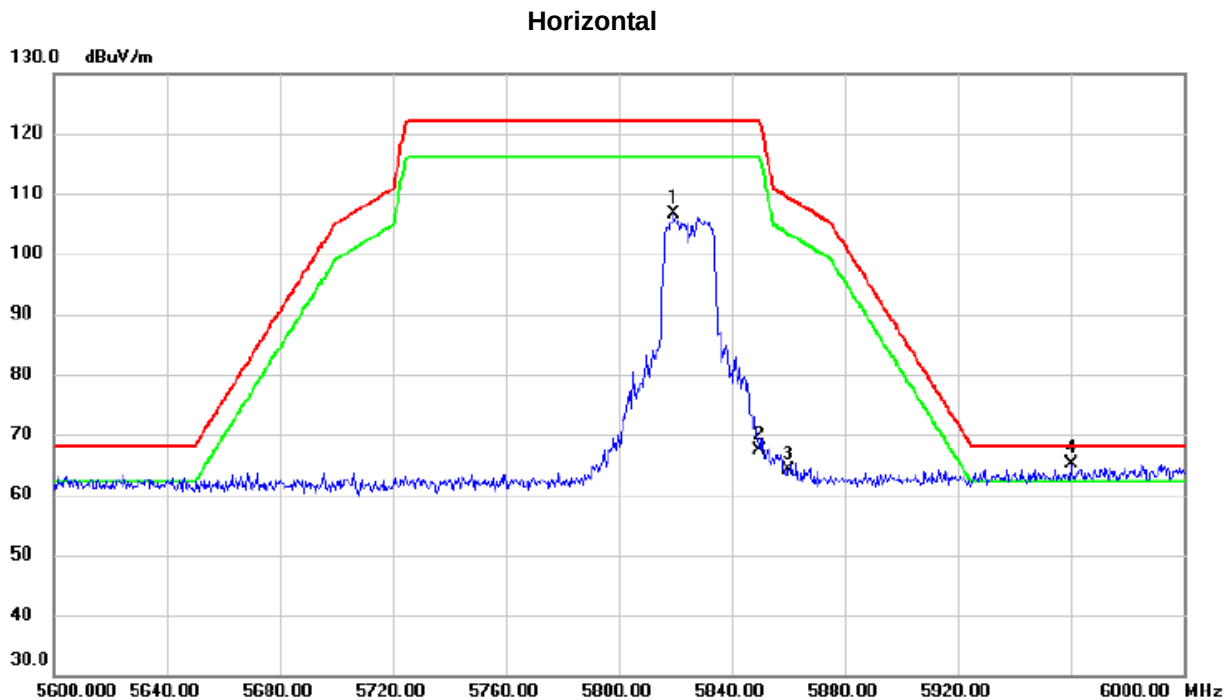


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11645.0500   | 48.77                      | 2.12                    | 50.89                     | 74.00           | -23.11       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 5819.600     | 67.79                    | 38.83                   | 106.62                     | 122.20          | -15.58       | peak     |         |
| 2   |     | 5850.000     | 28.56                    | 38.91                   | 67.47                      | 122.20          | -54.73       | peak     |         |
| 3   |     | 5860.000     | 25.19                    | 38.95                   | 64.14                      | 109.40          | -45.26       | peak     |         |
| 4   | *   | 5960.200     | 25.86                    | 39.17                   | 65.03                      | 68.20           | -3.17        | peak     |         |

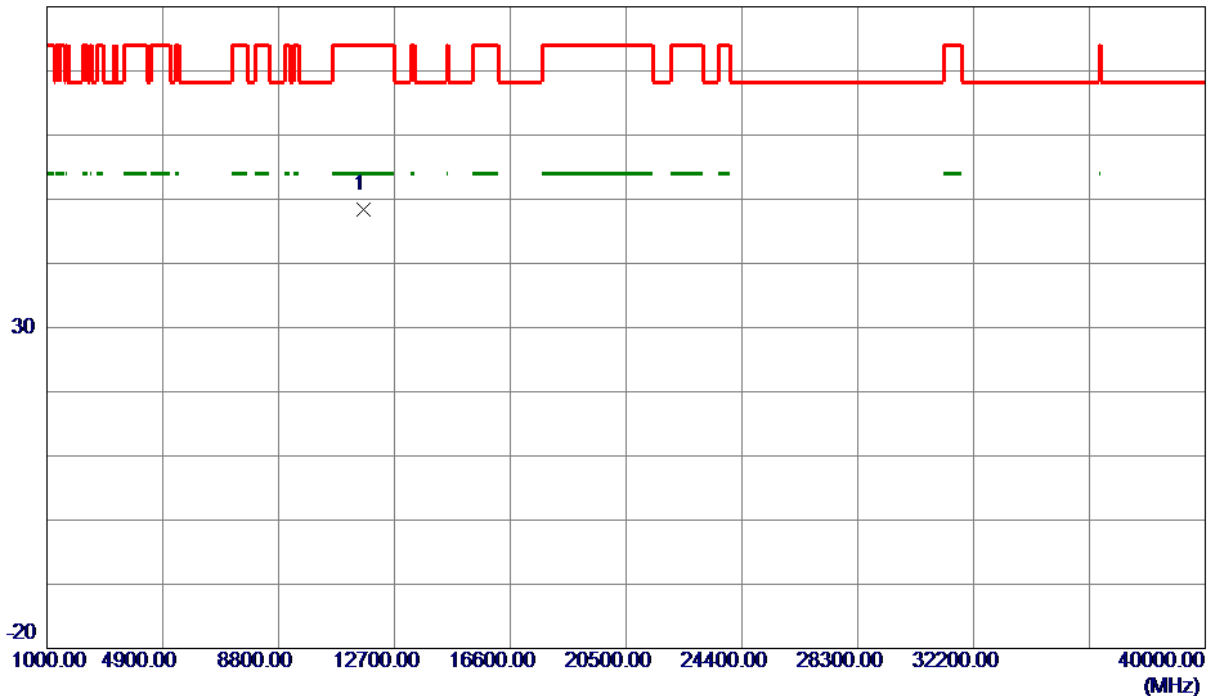
## REMARKS:

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

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

## Horizontal

80 dBuV/m

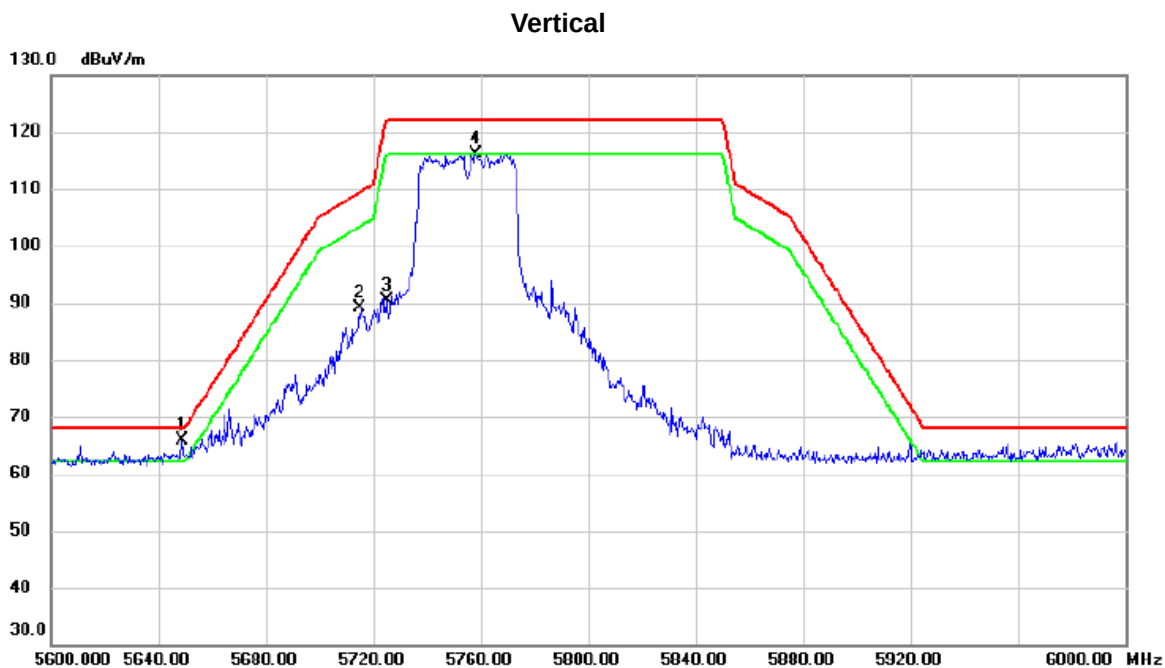


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11650.0000   | 46.27                      | 2.10                    | 48.37                     | 74.00           | -25.63       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | *   | 5648.800     | 27.39                    | 38.37                   | 65.76                      | 68.20           | -2.44        | peak     |         |
| 2   |     | 5715.000     | 50.58                    | 38.46                   | 89.04                      | 109.40          | -20.36       | peak     |         |
| 3   |     | 5725.000     | 51.85                    | 38.50                   | 90.35                      | 122.20          | -31.85       | peak     |         |
| 4   |     | 5758.200     | 77.52                    | 38.62                   | 116.14                     | 122.20          | -6.06        | peak     |         |

## REMARKS:

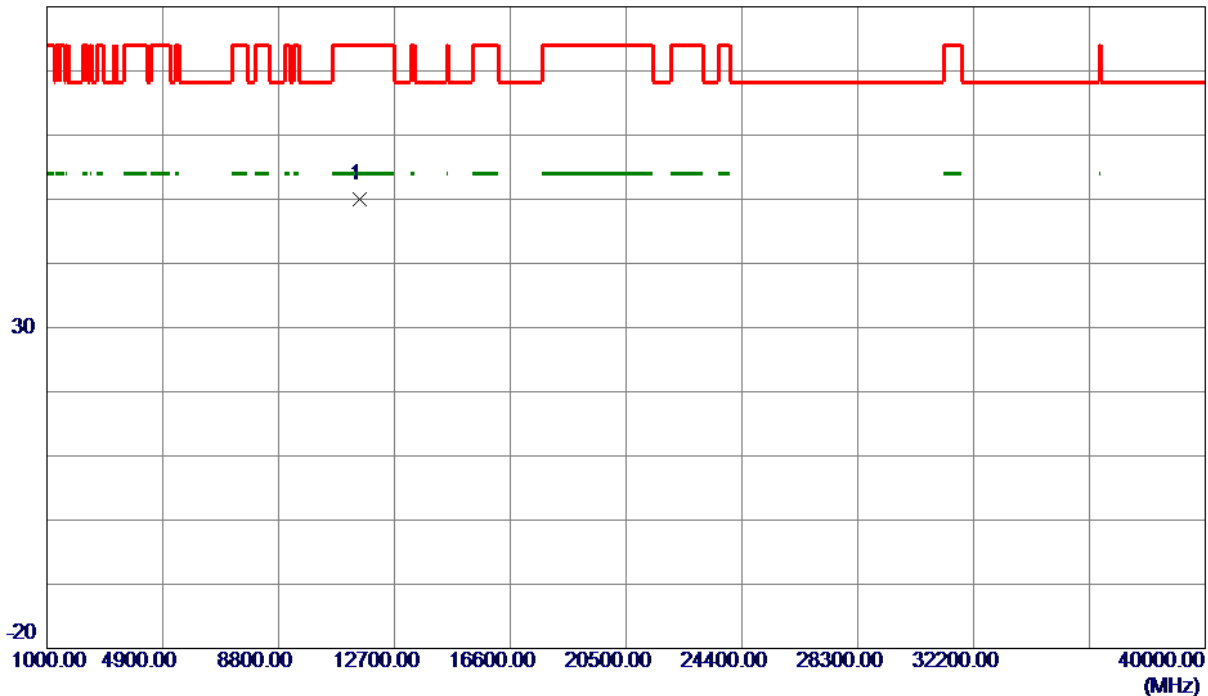
(1) Measurement Value = Reading Level + Correct Factor.

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

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

## Vertical

80 dBuV/m

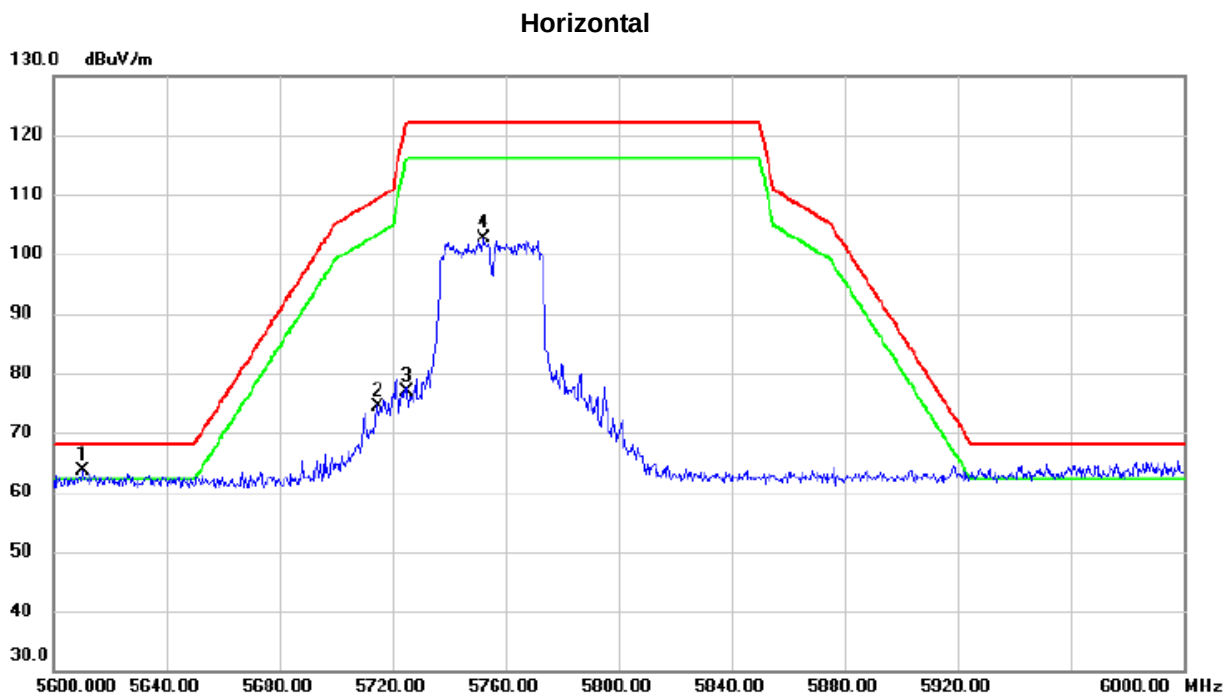


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11510.0000   | 47.84                      | 2.22                    | 50.06                     | 74.00           | -23.94       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | *   | 5610.600     | 25.18                    | 38.34                   | 63.52                      | 68.20           | -4.68        | peak     |         |
| 2   |     | 5715.000     | 35.86                    | 38.46                   | 74.32                      | 109.40          | -35.08       | peak     |         |
| 3   |     | 5725.000     | 38.38                    | 38.50                   | 76.88                      | 122.20          | -45.32       | peak     |         |
| 4   |     | 5752.400     | 63.96                    | 38.60                   | 102.56                     | 122.20          | -19.64       | peak     |         |

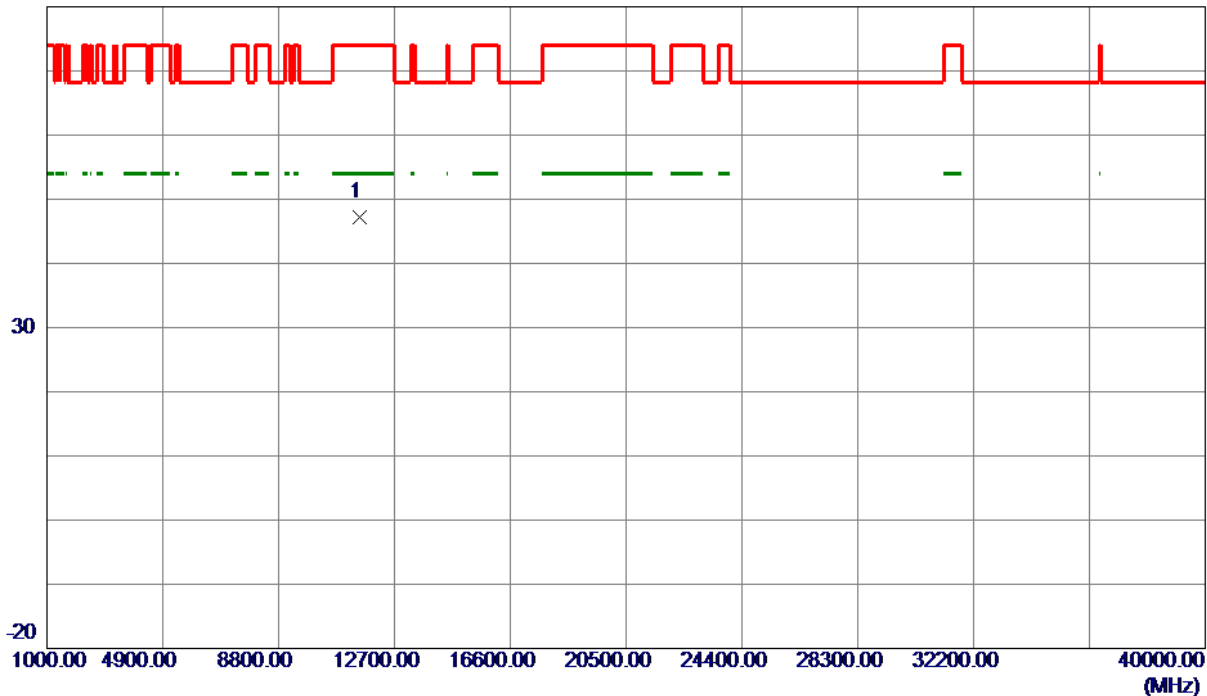
## REMARKS:

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

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

## Horizontal

80 dBuV/m



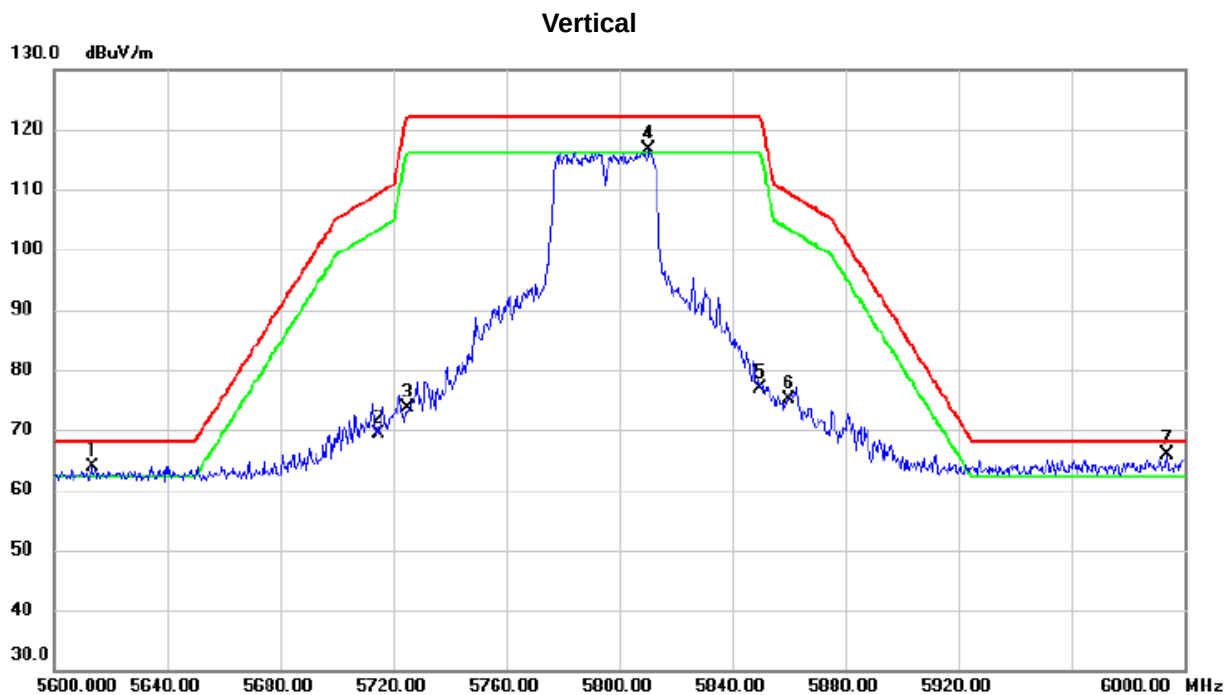
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11510.0000   | 45.01                      | 2.22                    | 47.23                     | 74.00           | -26.77       | Peak     |         |

### REMARKS:

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



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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | !   | 5613.400     | 25.57                    | 38.35                   | 63.92                      | 68.20           | -4.28        | peak     |         |
| 2   |     | 5715.000     | 30.94                    | 38.46                   | 69.40                      | 109.40          | -40.00       | peak     |         |
| 3   |     | 5725.000     | 35.04                    | 38.50                   | 73.54                      | 122.20          | -48.66       | peak     |         |
| 4   | !   | 5810.400     | 77.71                    | 38.81                   | 116.52                     | 122.20          | -5.68        | peak     |         |
| 5   |     | 5850.000     | 37.91                    | 38.91                   | 76.82                      | 122.20          | -45.38       | peak     |         |
| 6   |     | 5860.000     | 36.28                    | 38.95                   | 75.23                      | 109.40          | -34.17       | peak     |         |
| 7   | *   | 5993.800     | 26.64                    | 39.23                   | 65.87                      | 68.20           | -2.33        | peak     |         |

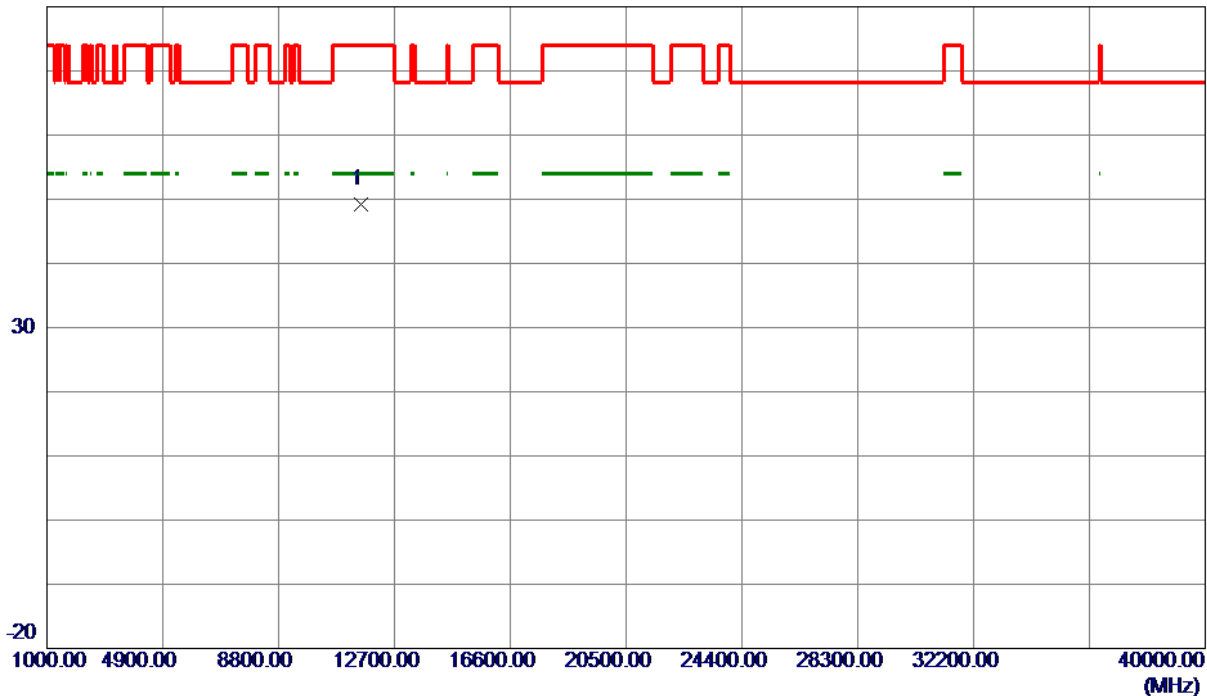
## REMARKS:

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

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

## Vertical

80 dBuV/m

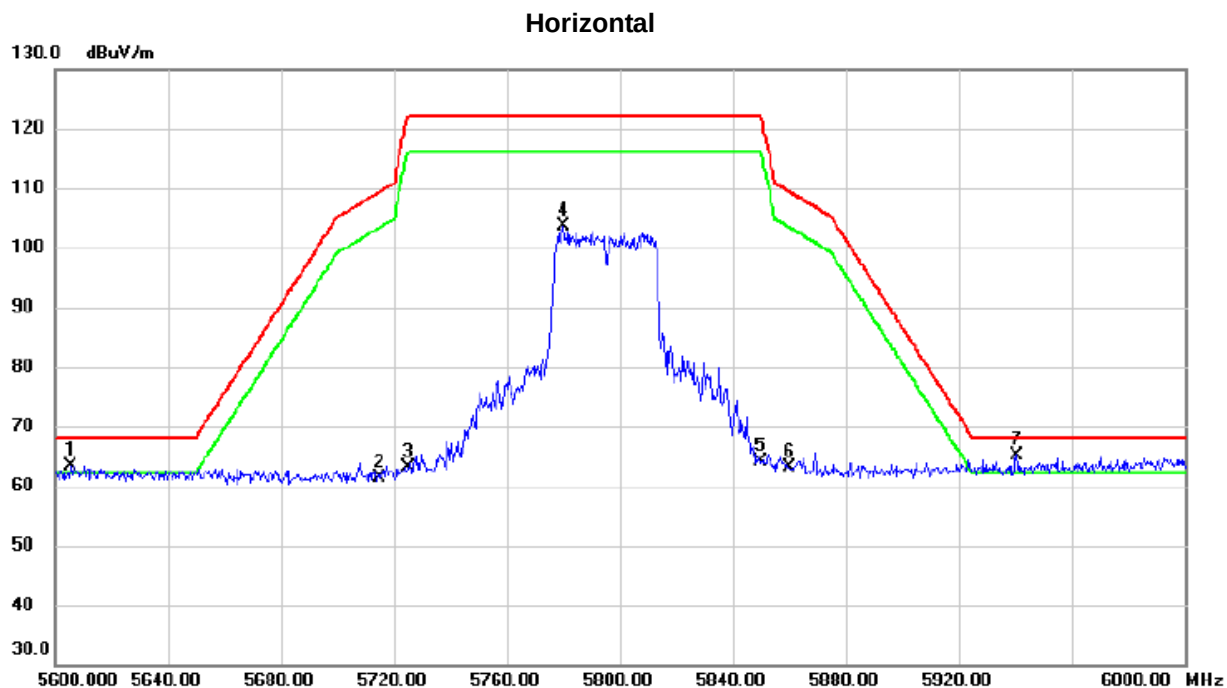


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11590.0000   | 46.97                      | 2.29                    | 49.26                     | 74.00           | -24.74       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | !   | 5605.600     | 25.09                    | 38.34                   | 63.43                      | 68.20           | -4.77        | peak     |         |
| 2   |     | 5715.000     | 22.82                    | 38.46                   | 61.28                      | 109.40          | -48.12       | peak     |         |
| 3   |     | 5725.000     | 24.63                    | 38.50                   | 63.13                      | 122.20          | -59.07       | peak     |         |
| 4   |     | 5780.200     | 64.80                    | 38.71                   | 103.51                     | 122.20          | -18.69       | peak     |         |
| 5   |     | 5850.000     | 25.25                    | 38.91                   | 64.16                      | 122.20          | -58.04       | peak     |         |
| 6   |     | 5860.000     | 24.18                    | 38.95                   | 63.13                      | 109.40          | -46.27       | peak     |         |
| 7   | *   | 5940.400     | 26.12                    | 39.13                   | 65.25                      | 68.20           | -2.95        | peak     |         |

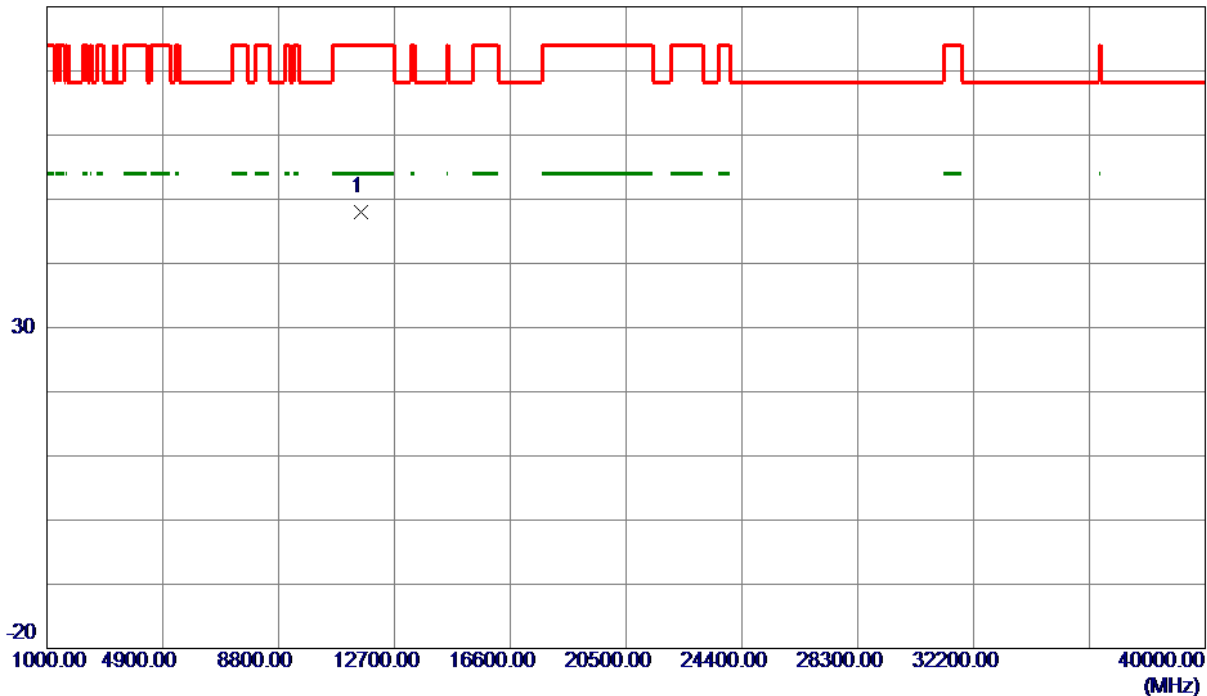
## REMARKS:

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

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

## Horizontal

80 dBuV/m

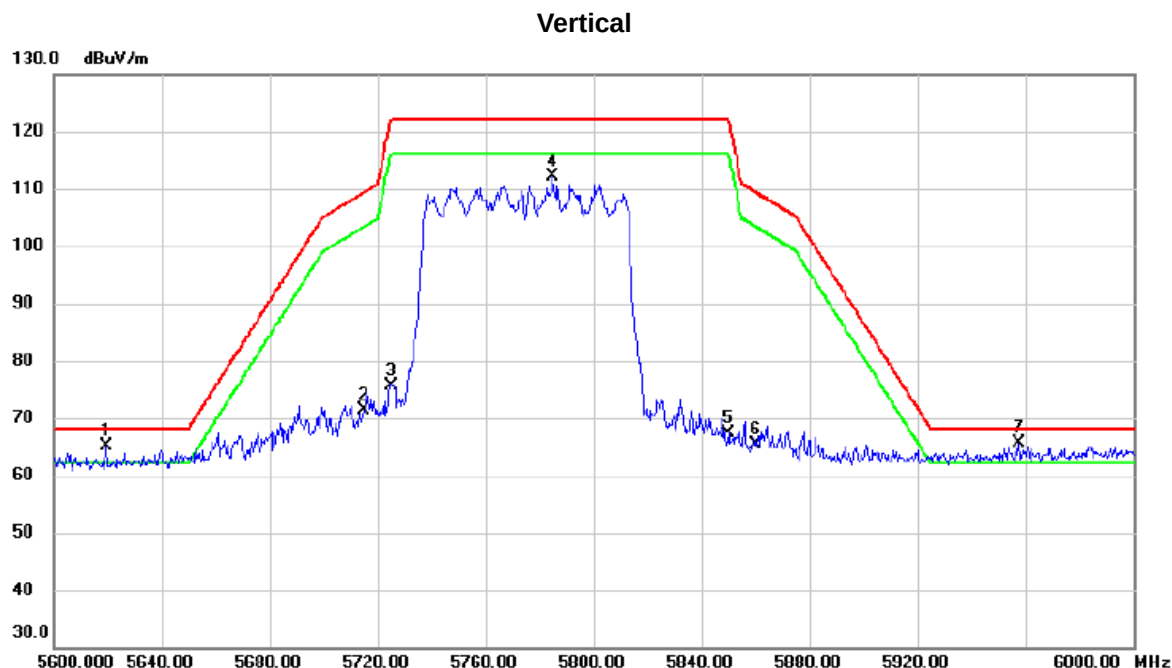


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11590.0000   | 45.73                      | 2.29                    | 48.02                     | 74.00           | -25.98       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | I   | 5619.400     | 26.80                    | 38.35                   | 65.15                      | 68.20           | -3.05        | peak     |         |
| 2   |     | 5715.000     | 32.94                    | 38.46                   | 71.40                      | 109.40          | -38.00       | peak     |         |
| 3   |     | 5725.000     | 37.12                    | 38.50                   | 75.62                      | 122.20          | -46.58       | peak     |         |
| 4   |     | 5784.800     | 73.44                    | 38.73                   | 112.17                     | 122.20          | -10.03       | peak     |         |
| 5   |     | 5850.000     | 28.40                    | 38.91                   | 67.31                      | 122.20          | -54.89       | peak     |         |
| 6   |     | 5860.000     | 26.54                    | 38.95                   | 65.49                      | 109.40          | -43.91       | peak     |         |
| 7   | *   | 5957.400     | 26.36                    | 39.16                   | 65.52                      | 68.20           | -2.68        | peak     |         |

## REMARKS:

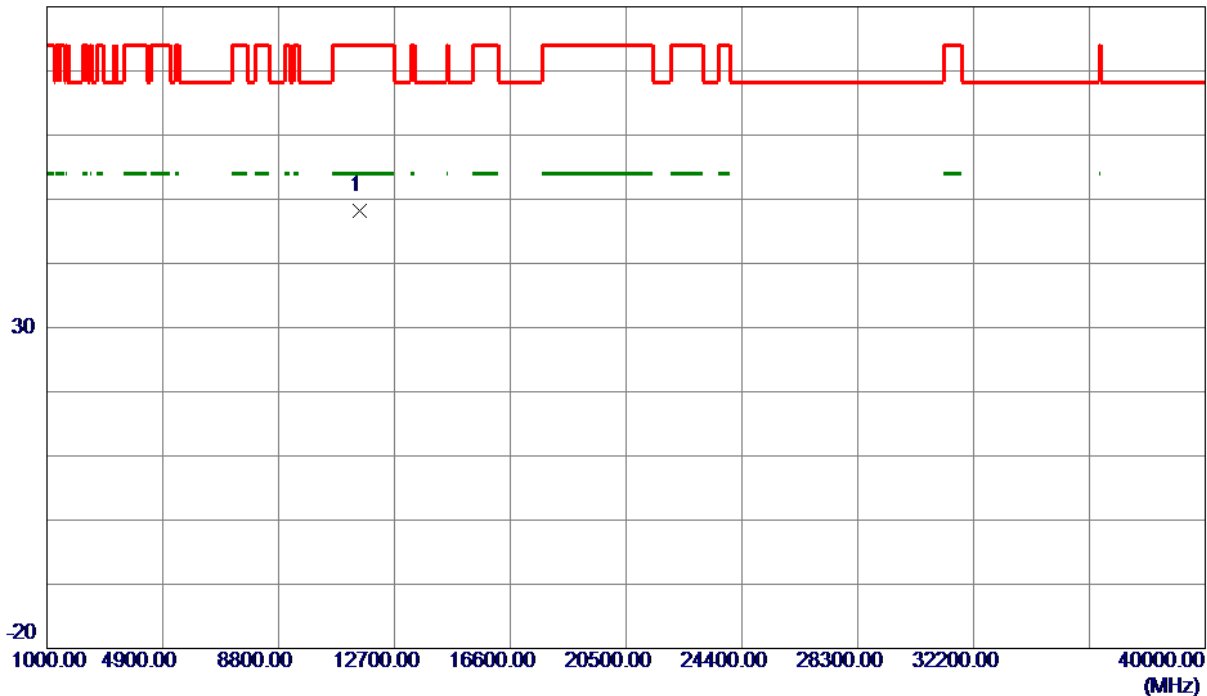
(1) Measurement Value = Reading Level + Correct Factor.

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

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

## Vertical

80 dBuV/m

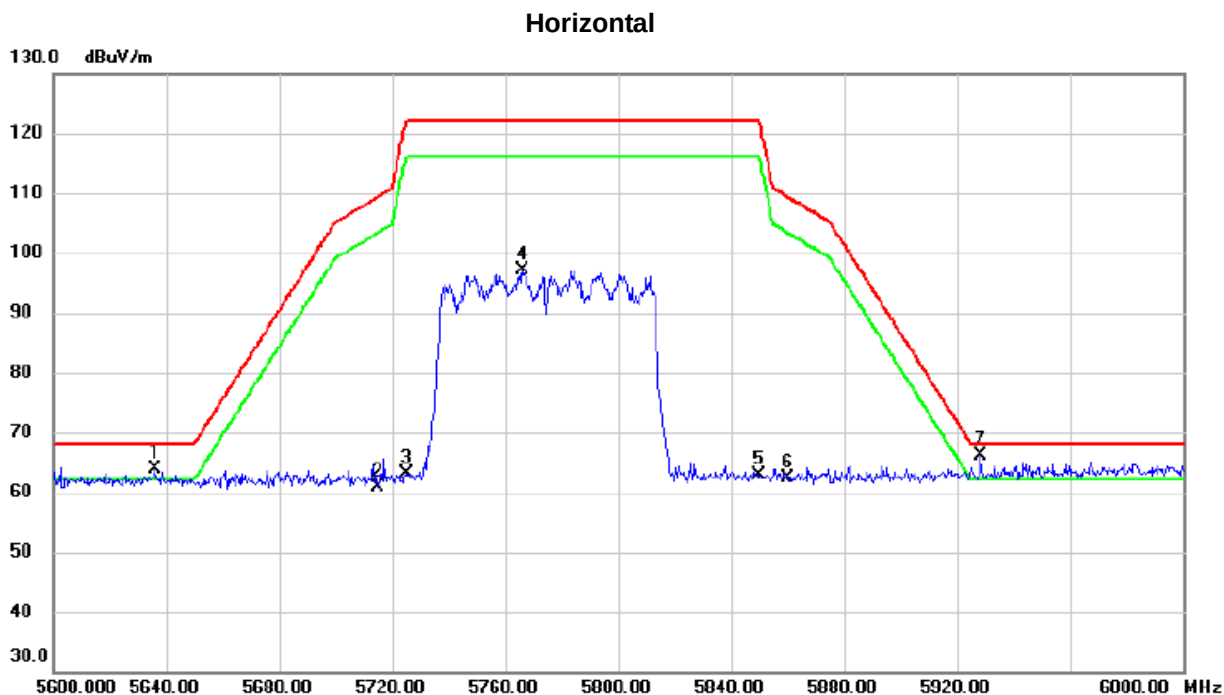


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11550.0000   | 46.00                      | 2.26                    | 48.26                     | 74.00           | -25.74       | Peak     |         |

### REMARKS:

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

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



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | !   | 5636.000     | 25.61                    | 38.36                   | 63.97                      | 68.20           | -4.23        | peak     |         |
| 2   |     | 5715.000     | 22.43                    | 38.46                   | 60.89                      | 109.40          | -48.51       | peak     |         |
| 3   |     | 5725.000     | 24.56                    | 38.50                   | 63.06                      | 122.20          | -59.14       | peak     |         |
| 4   |     | 5766.200     | 58.58                    | 38.65                   | 97.23                      | 122.20          | -24.97       | peak     |         |
| 5   |     | 5850.000     | 23.99                    | 38.91                   | 62.90                      | 122.20          | -59.30       | peak     |         |
| 6   |     | 5860.000     | 23.43                    | 38.95                   | 62.38                      | 109.40          | -47.02       | peak     |         |
| 7   | *   | 5928.000     | 26.92                    | 39.11                   | 66.03                      | 68.20           | -2.17        | peak     |         |

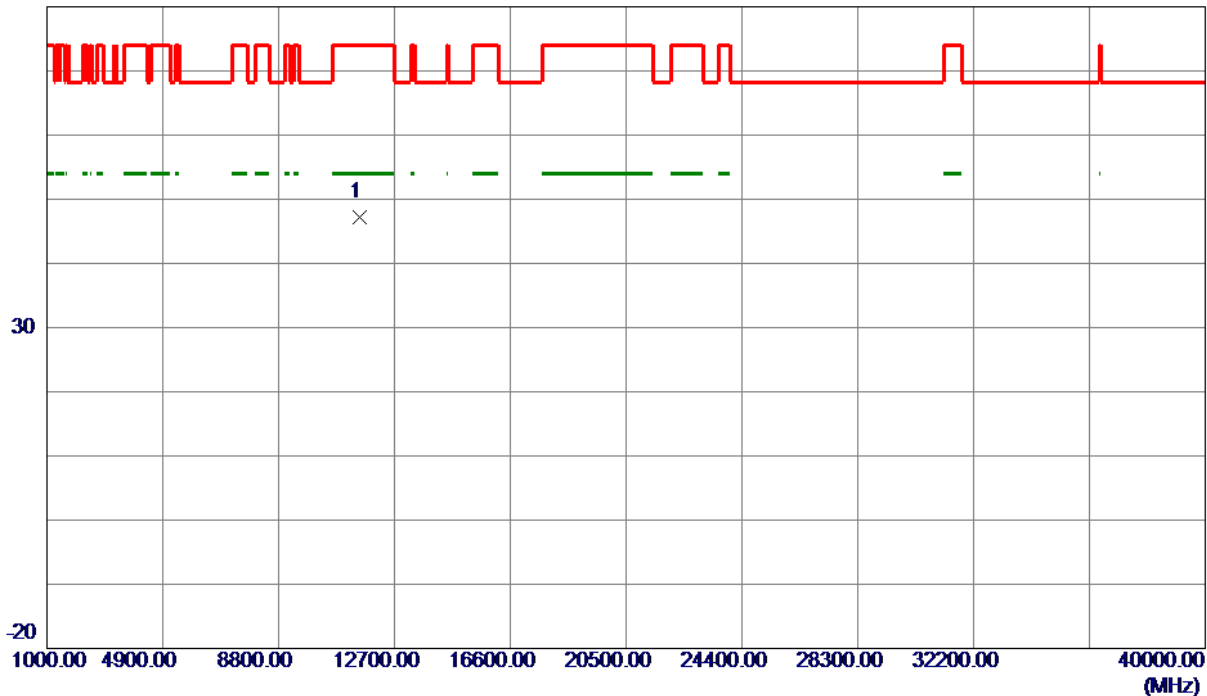
## REMARKS:

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

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

## Horizontal

80 dBuV/m



| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 11550.0000   | 44.85                      | 2.26                    | 47.11                     | 74.00           | -26.89       | Peak     |         |

### REMARKS:

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



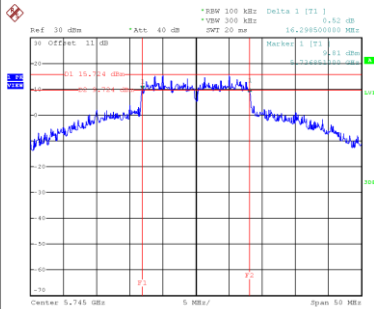
## **APPENDIX E - BANDWIDTH**



|           |                  |
|-----------|------------------|
| Test Mode | UNII-3_TX A Mode |
|-----------|------------------|

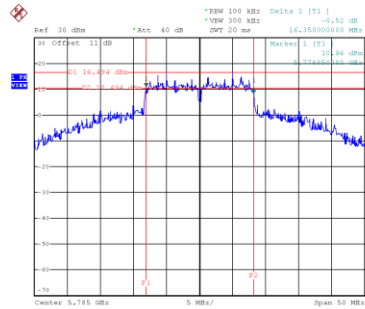
| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (kHz) | Result   |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 149     | 5745            | 16.30                | 35.80                         | 500                             | Complies |
| 157     | 5785            | 16.35                | 36.00                         | 500                             | Complies |
| 165     | 5825            | 16.29                | 36.00                         | 500                             | Complies |

CH149



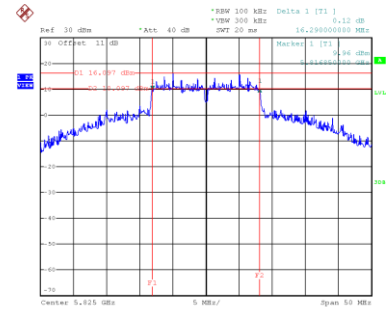
Date: 13, JAN, 2021 11:27:08

CH157



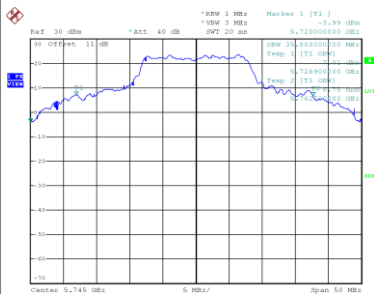
Date: 13, JAN, 2021 11:29:08

CH165

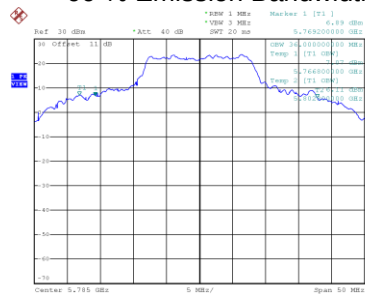


Date: 13, JAN, 2021 11:30:32

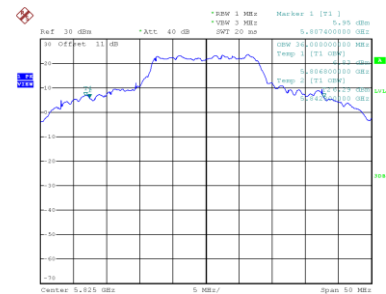
99 % Emission Bandwidth



Date: 20, JAN, 2021 15:22:57



Date: 20, JAN, 2021 15:24:03



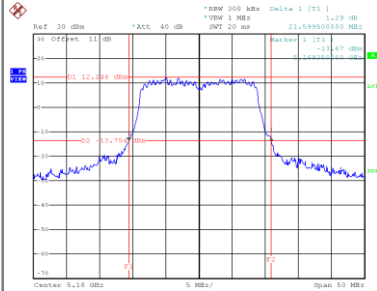
Date: 20, JAN, 2021 15:29:37

## CDD

|           |                           |
|-----------|---------------------------|
| Test Mode | UNII-1_TX AC (VHT20) Mode |
|-----------|---------------------------|

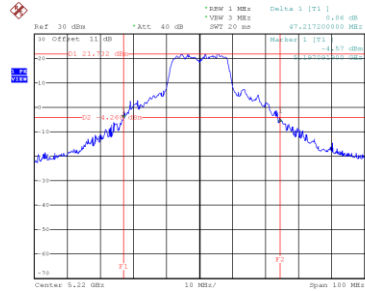
| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 36      | 5180            | 21.60                 | 17.20                         |
| 44      | 5220            | 47.22                 | 31.20                         |
| 48      | 5240            | 47.61                 | 32.30                         |

CH36



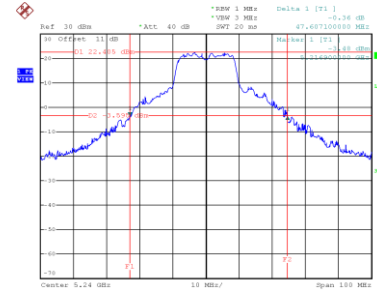
Date: 20.JAN.2021 15:46:11

CH44



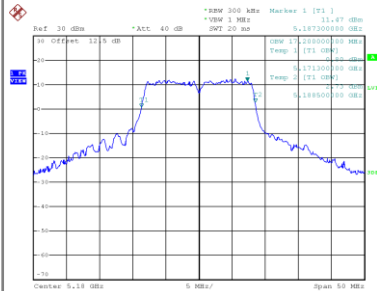
Date: 20.JAN.2021 15:50:09

CH48

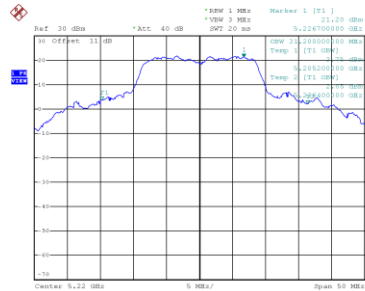


Date: 20.JAN.2021 16:15:00

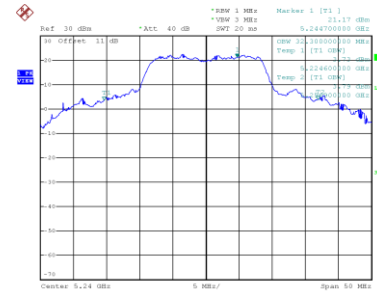
99 % Emission Bandwidth



Date: 31.DEC.2020 15:03:09



Date: 20.JAN.2021 15:55:08

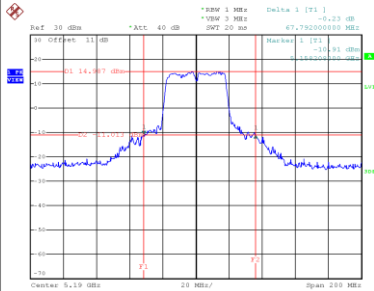


Date: 20.JAN.2021 16:18:15

|           |                           |
|-----------|---------------------------|
| Test Mode | UNII-1_TX AC (VHT40) Mode |
|-----------|---------------------------|

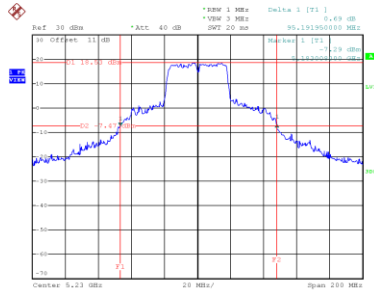
| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 38      | 5190            | 67.79                 | 53.60                         |
| 46      | 5230            | 95.19                 | 75.80                         |

CH38



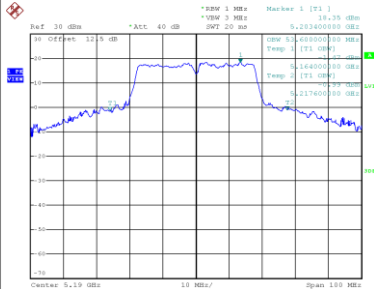
Date: 20.JAN.2021 16:34:38

CH46

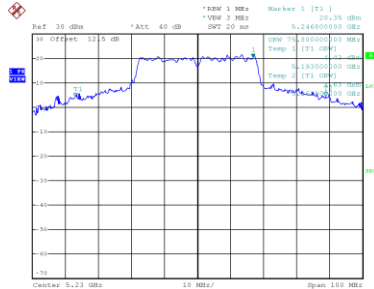


Date: 20.JAN.2021 16:40:30

99 % Emission Bandwidth



Date: 31.DEC.2020 16:13:58

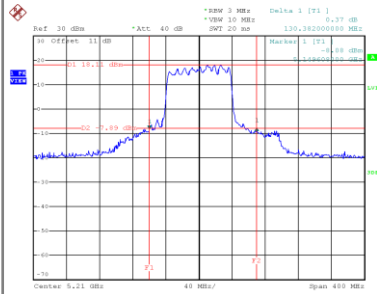


Date: 31.DEC.2020 17:32:36

|           |                      |
|-----------|----------------------|
| Test Mode | UNII-1_TX AC (VHT80) |
|-----------|----------------------|

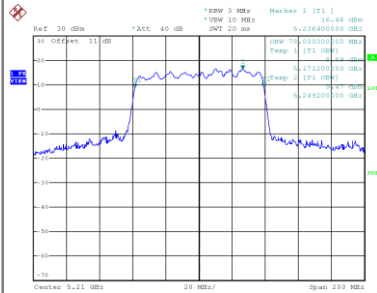
| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-----------------------|-------------------------------|
| 42      | 5210            | 130.38                | 78.00                         |

## CH42



Date: 20.JAN.2021 16:49:40

## 99 % Emission Bandwidth

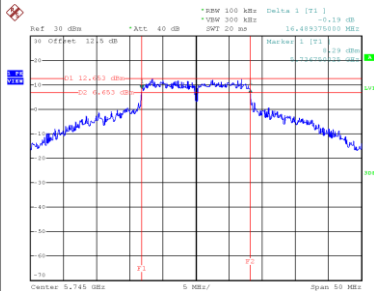


Date: 20.JAN.2021 16:55:38

|           |                           |
|-----------|---------------------------|
| Test Mode | UNII-3_TX AC (VHT20) Mode |
|-----------|---------------------------|

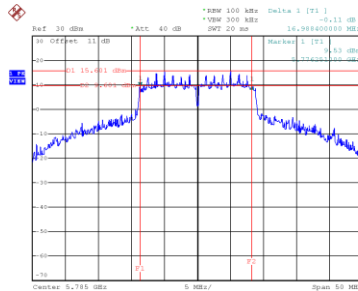
| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (kHz) | Result   |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 149     | 5745            | 16.49                | 37.50                         | 500                             | Complies |
| 157     | 5785            | 16.99                | 36.40                         | 500                             | Complies |
| 165     | 5825            | 16.59                | 35.40                         | 500                             | Complies |

**CH149**



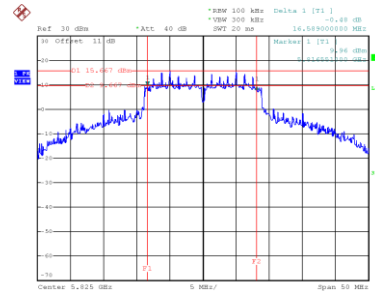
Date: 31.DEC.2020 18:01:13

**CH157**



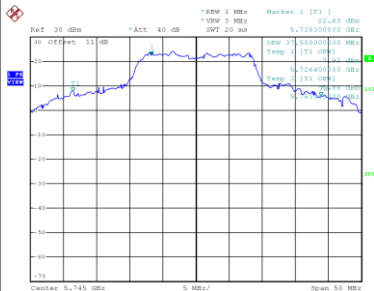
Date: 13.JAN.2021 12:30:48

**CH165**

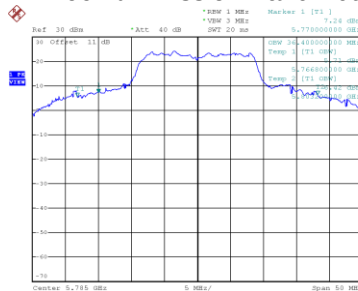


Date: 13.JAN.2021 14:16:16

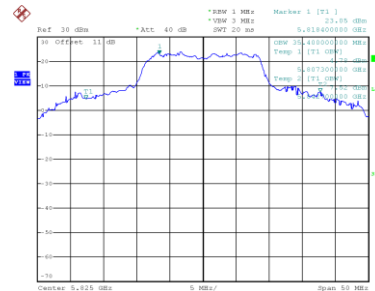
**99 % Emission Bandwidth**



Date: 20.JAN.2021 16:21:58



Date: 20.JAN.2021 16:25:04

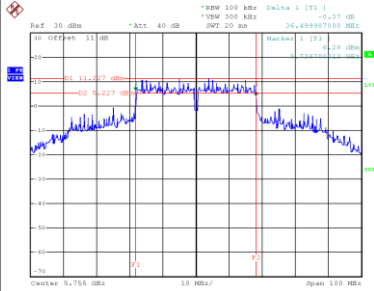


Date: 20.JAN.2021 16:29:36

|           |                           |
|-----------|---------------------------|
| Test Mode | UNII-3_TX AC (VHT40) Mode |
|-----------|---------------------------|

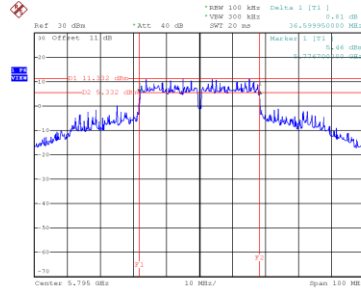
| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (kHz) | Result   |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 151     | 5755            | 36.50                | 72.20                         | 500                             | Complies |
| 159     | 5795            | 36.60                | 74.60                         | 500                             | Complies |

**CH151**



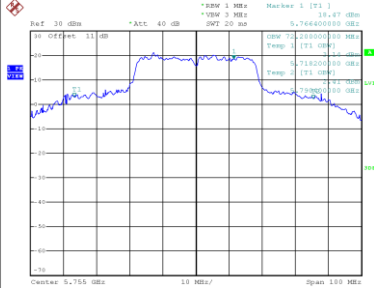
Date: 13.JAN.2021 14:24:31

**CH159**

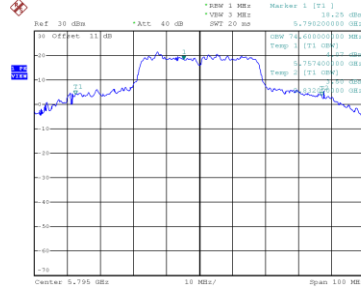


Date: 13.JAN.2021 14:27:04

**99 % Emission Bandwidth**



Date: 13.JAN.2021 14:23:45



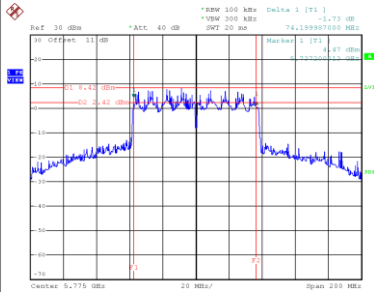
Date: 13.JAN.2021 14:26:17



|           |                      |
|-----------|----------------------|
| Test Mode | UNII-3_TX AC (VHT80) |
|-----------|----------------------|

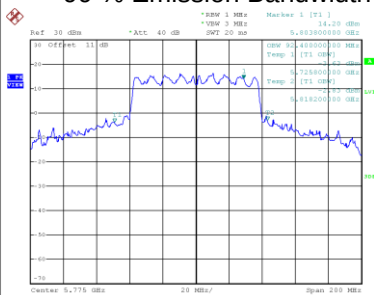
| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Emission Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (kHz) | Result   |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 155     | 5775            | 74.20                | 92.40                         | 500                             | Complies |

## CH155



Date: 13.JAN.2021 14:32:40

## 99 % Emission Bandwidth



Date: 13.JAN.2021 14:32:57

## **APPENDIX F - CONDUCTED OUTPUT POWER**

|           |                  |
|-----------|------------------|
| Test Mode | UNII-1_TX A Mode |
|-----------|------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 36      | 5180            | 21.21                        | 0.28        | 21.49                                      | 30.00            | 1.00           | Complies |
| 44      | 5220            | 25.79                        | 0.28        | 26.07                                      | 30.00            | 1.00           | Complies |
| 48      | 5240            | 23.17                        | 0.28        | 23.45                                      | 30.00            | 1.00           | Complies |

|           |                  |
|-----------|------------------|
| Test Mode | UNII-3_TX A Mode |
|-----------|------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 149     | 5745            | 25.95                        | 0.28        | 26.23                                      | 30.00            | 1.00           | Complies |
| 157     | 5785            | 25.64                        | 0.28        | 25.92                                      | 30.00            | 1.00           | Complies |
| 165     | 5825            | 25.33                        | 0.28        | 25.61                                      | 30.00            | 1.00           | Complies |

### CDD

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX N (HT20) Mode_Ant. 1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 36      | 5180            | 20.98                        | 0.30        | 21.28                                      | 30.00            | 1.00           | Complies |
| 44      | 5220            | 24.30                        | 0.30        | 24.60                                      | 30.00            | 1.00           | Complies |
| 48      | 5240            | 22.76                        | 0.30        | 23.06                                      | 30.00            | 1.00           | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX N (HT20) Mode_Ant. 2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 36      | 5180            | 19.53                        | 0.30        | 19.83                                      | 30.00            | 1.00           | Complies |
| 44      | 5220            | 23.43                        | 0.30        | 23.73                                      | 30.00            | 1.00           | Complies |
| 48      | 5240            | 22.92                        | 0.30        | 23.22                                      | 30.00            | 1.00           | Complies |

|           |                               |
|-----------|-------------------------------|
| Test Mode | UNII-1_TX N (HT20) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 36      | 5180            | 23.62                        | 30.00            | 1.00           | Complies |
| 44      | 5220            | 27.19                        | 30.00            | 1.00           | Complies |
| 48      | 5240            | 26.15                        | 30.00            | 1.00           | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX N (HT40) Mode_Ant. 1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 38      | 5190            | 20.85                        | 0.38        | 21.23                                      | 30.00            | 1.00           | Complies |
| 46      | 5230            | 24.23                        | 0.38        | 24.61                                      | 30.00            | 1.00           | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX N (HT40) Mode_Ant. 2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 38      | 5190            | 19.59                        | 0.38        | 19.97                                      | 30.00            | 1.00           | Complies |
| 46      | 5230            | 23.02                        | 0.38        | 23.40                                      | 30.00            | 1.00           | Complies |

|           |                               |
|-----------|-------------------------------|
| Test Mode | UNII-1_TX N (HT40) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 38      | 5190            | 23.66                        | 30.00            | 1.00           | Complies |
| 46      | 5230            | 27.06                        | 30.00            | 1.00           | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX N (HT20) Mode_Ant. 1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 149     | 5745            | 25.81                        | 0.30        | 26.11                                      | 30.00            | 1.00           | Complies |
| 157     | 5785            | 25.71                        | 0.30        | 26.01                                      | 30.00            | 1.00           | Complies |
| 165     | 5825            | 25.43                        | 0.30        | 25.73                                      | 30.00            | 1.00           | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX N (HT20) Mode_Ant. 2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 149     | 5745            | 25.24                        | 0.30        | 25.54                                      | 30.00            | 1.00           | Complies |
| 157     | 5785            | 25.36                        | 0.30        | 25.66                                      | 30.00            | 1.00           | Complies |
| 165     | 5825            | 25.15                        | 0.30        | 25.45                                      | 30.00            | 1.00           | Complies |

|           |                               |
|-----------|-------------------------------|
| Test Mode | UNII-3_TX N (HT20) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 149     | 5745            | 28.84                        | 30.00            | 1.00           | Complies |
| 157     | 5785            | 28.84                        | 30.00            | 1.00           | Complies |
| 165     | 5825            | 28.60                        | 30.00            | 1.00           | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX N (HT40) Mode_Ant. 1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 151     | 5755            | 24.66                        | 0.38        | 25.04                                      | 30.00            | 1.00           | Complies |
| 159     | 5795            | 24.85                        | 0.38        | 25.23                                      | 30.00            | 1.00           | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX N (HT40) Mode_Ant. 2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 151     | 5755            | 23.87                        | 0.38        | 24.25                                      | 30.00            | 1.00           | Complies |
| 159     | 5795            | 24.45                        | 0.38        | 24.83                                      | 30.00            | 1.00           | Complies |

|           |                               |
|-----------|-------------------------------|
| Test Mode | UNII-3_TX N (HT40) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 151     | 5755            | 27.67                        | 30.00            | 1.00           | Complies |
| 159     | 5795            | 28.05                        | 30.00            | 1.00           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT20) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 36      | 5180            | 21.32                        | 0.31        | 21.63                                      | 30.00            | 1.00           | Complies |
| 44      | 5220            | 24.41                        | 0.31        | 24.72                                      | 30.00            | 1.00           | Complies |
| 48      | 5240            | 23.05                        | 0.31        | 23.36                                      | 30.00            | 1.00           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT20) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 36      | 5180            | 19.87                        | 0.31        | 20.18                                      | 30.00            | 1.00           | Complies |
| 44      | 5220            | 23.53                        | 0.31        | 23.84                                      | 30.00            | 1.00           | Complies |
| 48      | 5240            | 23.21                        | 0.31        | 23.52                                      | 30.00            | 1.00           | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-1_TX AC (VHT20) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 36      | 5180            | 23.97                        | 30.00            | 1.00           | Complies |
| 44      | 5220            | 27.31                        | 30.00            | 1.00           | Complies |
| 48      | 5240            | 26.45                        | 30.00            | 1.00           | Complies |



|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT40) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 38      | 5190            | 21.56                        | 0.47        | 22.03                                      | 30.00            | 1.00           | Complies |
| 46      | 5230            | 24.78                        | 0.47        | 25.25                                      | 30.00            | 1.00           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT40) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 38      | 5190            | 20.10                        | 0.47        | 20.57                                      | 30.00            | 1.00           | Complies |
| 46      | 5230            | 23.57                        | 0.47        | 24.04                                      | 30.00            | 1.00           | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-1_TX AC (VHT40) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 38      | 5190            | 24.37                        | 30.00            | 1.00           | Complies |
| 46      | 5230            | 27.70                        | 30.00            | 1.00           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT80) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 42      | 5210            | 20.70                        | 1.31        | 22.01                                      | 30.00            | 1.00           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT80) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 42      | 5210            | 19.40                        | 1.31        | 20.71                                      | 30.00            | 1.00           | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-1_TX AC (VHT80) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 42      | 5210            | 24.41                        | 30.00            | 1.00           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT20) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 149     | 5745            | 25.92                        | 0.31        | 26.23                                      | 30.00            | 1.00           | Complies |
| 157     | 5785            | 25.81                        | 0.31        | 26.12                                      | 30.00            | 1.00           | Complies |
| 165     | 5825            | 25.53                        | 0.31        | 25.84                                      | 30.00            | 1.00           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT20) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 149     | 5745            | 25.34                        | 0.31        | 25.65                                      | 30.00            | 1.00           | Complies |
| 157     | 5785            | 25.47                        | 0.31        | 25.78                                      | 30.00            | 1.00           | Complies |
| 165     | 5825            | 25.26                        | 0.31        | 25.57                                      | 30.00            | 1.00           | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-3_TX AC (VHT20) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 149     | 5745            | 28.96                        | 30.00            | 1.00           | Complies |
| 157     | 5785            | 28.96                        | 30.00            | 1.00           | Complies |
| 165     | 5825            | 28.71                        | 30.00            | 1.00           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT40) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 151     | 5755            | 25.37                        | 0.47        | 25.84                                      | 30.00            | 1.00           | Complies |
| 159     | 5795            | 25.55                        | 0.47        | 26.02                                      | 30.00            | 1.00           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT40) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 151     | 5755            | 24.58                        | 0.47        | 25.05                                      | 30.00            | 1.00           | Complies |
| 159     | 5795            | 25.15                        | 0.47        | 25.62                                      | 30.00            | 1.00           | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-3_TX AC (VHT40) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 151     | 5755            | 28.48                        | 30.00            | 1.00           | Complies |
| 159     | 5795            | 28.84                        | 30.00            | 1.00           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT80) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 155     | 5775            | 25.25                        | 1.31        | 26.56                                      | 30.00            | 1.00           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT80) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 155     | 5775            | 25.01                        | 1.31        | 26.32                                      | 30.00            | 1.00           | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-3_TX AC (VHT80) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 155     | 5775            | 29.45                        | 30.00            | 1.00           | Complies |

### Beamforming

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX N (HT20) Mode_Ant. 1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 36      | 5180            | 20.80                        | 0.30        | 21.10                                      | 28.49            | 0.71           | Complies |
| 44      | 5220            | 24.14                        | 0.30        | 24.44                                      | 28.49            | 0.71           | Complies |
| 48      | 5240            | 22.58                        | 0.30        | 22.88                                      | 28.49            | 0.71           | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX N (HT20) Mode_Ant. 2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 36      | 5180            | 19.37                        | 0.30        | 19.67                                      | 28.49            | 0.71           | Complies |
| 44      | 5220            | 23.25                        | 0.30        | 23.55                                      | 28.49            | 0.71           | Complies |
| 48      | 5240            | 22.75                        | 0.30        | 23.05                                      | 28.49            | 0.71           | Complies |

|           |                               |
|-----------|-------------------------------|
| Test Mode | UNII-1_TX N (HT20) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 36      | 5180            | 23.45                        | 28.49            | 0.71           | Complies |
| 44      | 5220            | 27.02                        | 28.49            | 0.71           | Complies |
| 48      | 5240            | 25.97                        | 28.49            | 0.71           | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX N (HT40) Mode_Ant. 1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 38      | 5190            | 20.72                        | 0.38        | 21.10                                      | 28.49            | 0.71           | Complies |
| 46      | 5230            | 24.04                        | 0.38        | 24.42                                      | 28.49            | 0.71           | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-1_TX N (HT40) Mode_Ant. 2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 38      | 5190            | 19.45                        | 0.38        | 19.83                                      | 28.49            | 0.71           | Complies |
| 46      | 5230            | 22.86                        | 0.38        | 23.24                                      | 28.49            | 0.71           | Complies |

|           |                               |
|-----------|-------------------------------|
| Test Mode | UNII-1_TX N (HT40) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 38      | 5190            | 23.52                        | 28.49            | 0.71           | Complies |
| 46      | 5230            | 26.88                        | 28.49            | 0.71           | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX N (HT20) Mode_Ant. 1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 149     | 5745            | 25.41                        | 0.30        | 25.71                                      | 28.49            | 0.71           | Complies |
| 157     | 5785            | 25.25                        | 0.30        | 25.55                                      | 28.49            | 0.71           | Complies |
| 165     | 5825            | 25.30                        | 0.30        | 25.60                                      | 28.49            | 0.71           | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX N (HT20) Mode_Ant. 2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 149     | 5745            | 24.83                        | 0.30        | 25.13                                      | 28.49            | 0.71           | Complies |
| 157     | 5785            | 25.01                        | 0.30        | 25.31                                      | 28.49            | 0.71           | Complies |
| 165     | 5825            | 25.01                        | 0.30        | 25.31                                      | 28.49            | 0.71           | Complies |

|           |                               |
|-----------|-------------------------------|
| Test Mode | UNII-3_TX N (HT20) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 149     | 5745            | 28.44                        | 28.49            | 0.71           | Complies |
| 157     | 5785            | 28.44                        | 28.49            | 0.71           | Complies |
| 165     | 5825            | 28.46                        | 28.49            | 0.71           | Complies |



|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX N (HT40) Mode_Ant. 1 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 151     | 5755            | 24.56                        | 0.38        | 24.94                                      | 28.49            | 0.71           | Complies |
| 159     | 5795            | 24.64                        | 0.38        | 25.02                                      | 28.49            | 0.71           | Complies |

|           |                                |
|-----------|--------------------------------|
| Test Mode | UNII-3_TX N (HT40) Mode_Ant. 2 |
|-----------|--------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 151     | 5755            | 23.76                        | 0.38        | 24.14                                      | 28.49            | 0.71           | Complies |
| 159     | 5795            | 24.24                        | 0.38        | 24.62                                      | 28.49            | 0.71           | Complies |

|           |                               |
|-----------|-------------------------------|
| Test Mode | UNII-3_TX N (HT40) Mode_Total |
|-----------|-------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 151     | 5755            | 27.57                        | 28.49            | 0.71           | Complies |
| 159     | 5795            | 27.84                        | 28.49            | 0.71           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT20) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 36      | 5180            | 21.14                        | 0.31        | 21.45                                      | 28.49            | 0.71           | Complies |
| 44      | 5220            | 24.22                        | 0.31        | 24.53                                      | 28.49            | 0.71           | Complies |
| 48      | 5240            | 22.92                        | 0.31        | 23.23                                      | 28.49            | 0.71           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT20) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 36      | 5180            | 19.67                        | 0.31        | 19.98                                      | 28.49            | 0.71           | Complies |
| 44      | 5220            | 23.33                        | 0.31        | 23.64                                      | 28.49            | 0.71           | Complies |
| 48      | 5240            | 23.10                        | 0.31        | 23.41                                      | 28.49            | 0.71           | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-1_TX AC (VHT20) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 36      | 5180            | 23.78                        | 28.49            | 0.71           | Complies |
| 44      | 5220            | 27.11                        | 28.49            | 0.71           | Complies |
| 48      | 5240            | 26.33                        | 28.49            | 0.71           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT40) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 38      | 5190            | 21.46                        | 0.47        | 21.93                                      | 28.49            | 0.71           | Complies |
| 46      | 5230            | 24.66                        | 0.47        | 25.13                                      | 28.49            | 0.71           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT40) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 38      | 5190            | 19.96                        | 0.47        | 20.43                                      | 28.49            | 0.71           | Complies |
| 46      | 5230            | 23.43                        | 0.47        | 23.90                                      | 28.49            | 0.71           | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-1_TX AC (VHT40) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 38      | 5190            | 24.26                        | 28.49            | 0.71           | Complies |
| 46      | 5230            | 27.57                        | 28.49            | 0.71           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT80) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 42      | 5210            | 20.57                        | 1.31        | 21.88                                      | 28.49            | 0.71           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT80) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 42      | 5210            | 19.21                        | 1.31        | 20.52                                      | 28.49            | 0.71           | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-1_TX AC (VHT80) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 42      | 5210            | 24.26                        | 28.49            | 0.71           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT20) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 149     | 5745            | 24.71                        | 0.31        | 25.02                                      | 28.49            | 0.71           | Complies |
| 157     | 5785            | 25.20                        | 0.31        | 25.51                                      | 28.49            | 0.71           | Complies |
| 165     | 5825            | 25.21                        | 0.31        | 25.52                                      | 28.49            | 0.71           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT20) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 149     | 5745            | 24.14                        | 0.31        | 24.45                                      | 28.49            | 0.71           | Complies |
| 157     | 5785            | 24.85                        | 0.31        | 25.16                                      | 28.49            | 0.71           | Complies |
| 165     | 5825            | 25.04                        | 0.31        | 25.35                                      | 28.49            | 0.71           | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-3_TX AC (VHT20) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 149     | 5745            | 27.75                        | 28.49            | 0.71           | Complies |
| 157     | 5785            | 28.34                        | 28.49            | 0.71           | Complies |
| 165     | 5825            | 28.44                        | 28.49            | 0.71           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT40) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 151     | 5755            | 25.27                        | 0.47        | 25.74                                      | 28.49            | 0.71           | Complies |
| 159     | 5795            | 25.05                        | 0.47        | 25.52                                      | 28.49            | 0.71           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT40) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 151     | 5755            | 24.48                        | 0.47        | 24.95                                      | 28.49            | 0.71           | Complies |
| 159     | 5795            | 24.64                        | 0.47        | 25.11                                      | 28.49            | 0.71           | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-3_TX AC (VHT40) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 151     | 5755            | 28.38                        | 28.49            | 0.71           | Complies |
| 159     | 5795            | 28.33                        | 28.49            | 0.71           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT80) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 155     | 5775            | 24.14                        | 1.31        | 25.45                                      | 28.49            | 0.71           | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT80) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Duty Factor | Conducted Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|-------------|--------------------------------------------|------------------|----------------|----------|
| 155     | 5775            | 23.90                        | 1.31        | 25.21                                      | 28.49            | 0.71           | Complies |

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-3_TX AC (VHT80) Mode_Total |
|-----------|---------------------------------|

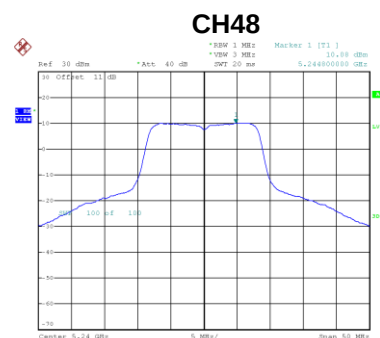
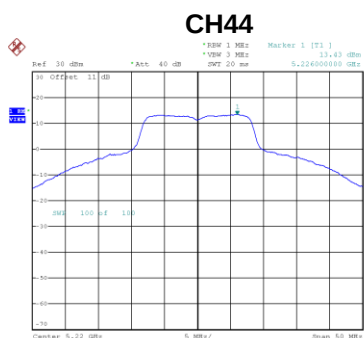
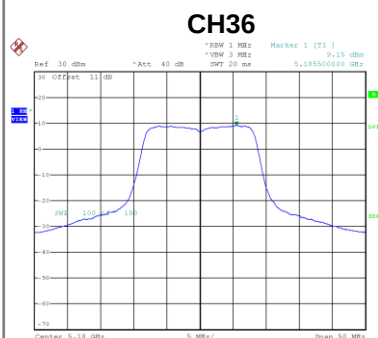
| Channel | Frequency (MHz) | Conducted Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result   |
|---------|-----------------|------------------------------|------------------|----------------|----------|
| 155     | 5775            | 28.34                        | 28.49            | 0.71           | Complies |

## **APPENDIX G - POWER SPECTRAL DENSITY**



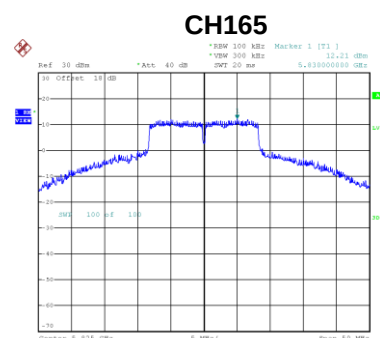
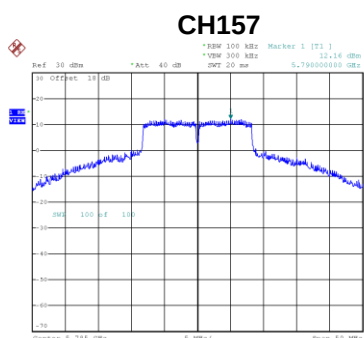
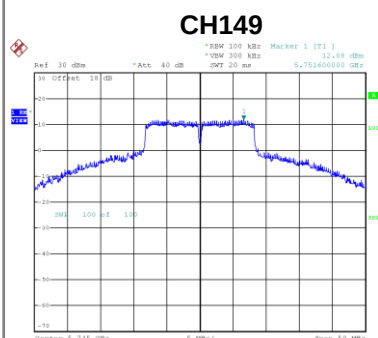
|           |                  |
|-----------|------------------|
| Test Mode | UNII-1_TX A Mode |
|-----------|------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 36      | 5180            | 9.15                             | 0.28        | 9.43                                           | 17.00                | Complies |
| 44      | 5220            | 13.43                            | 0.28        | 13.71                                          | 17.00                | Complies |
| 48      | 5240            | 10.08                            | 0.28        | 10.36                                          | 17.00                | Complies |



|           |                  |
|-----------|------------------|
| Test Mode | UNII-3_TX A Mode |
|-----------|------------------|

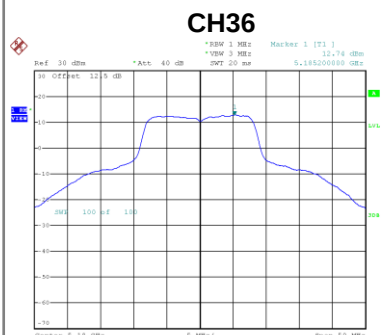
| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result   |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|----------|
| 149     | 5745            | 12.08                                | 0.28        | 12.36                                              | 30.00                    | Complies |
| 157     | 5785            | 12.16                                | 0.28        | 12.44                                              | 30.00                    | Complies |
| 165     | 5825            | 12.21                                | 0.28        | 12.49                                              | 30.00                    | Complies |



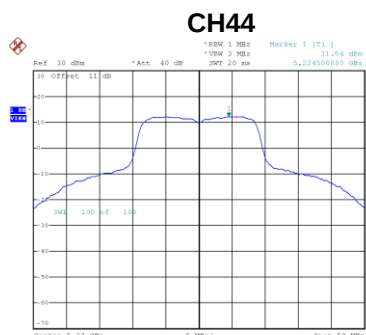
## CDD

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT20) Mode_Ant. 1 |
|-----------|----------------------------------|

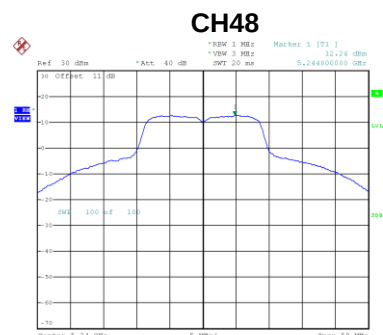
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 36      | 5180            | 12.74                            | 0.31        | 13.05                                          | 15.49                | Complies |
| 44      | 5220            | 11.54                            | 0.31        | 11.85                                          | 15.49                | Complies |
| 48      | 5240            | 12.24                            | 0.31        | 12.55                                          | 15.49                | Complies |



Date: 31.DEC.2020 15:05:25



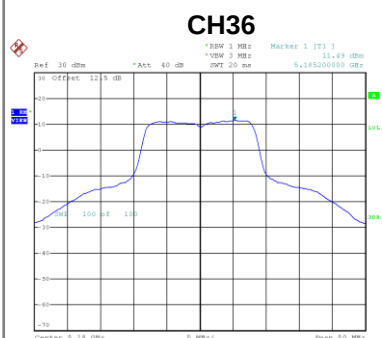
Date: 15.JAN.2021 10:51:25



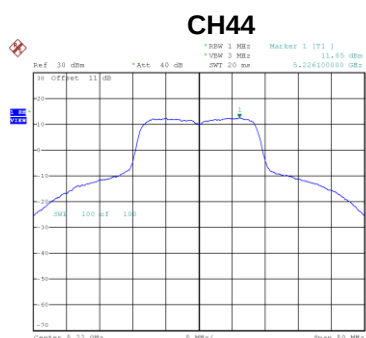
Date: 13.JAN.2021 11:39:51

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT20) Mode_Ant. 2 |
|-----------|----------------------------------|

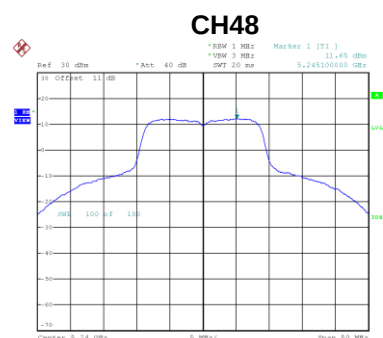
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 36      | 5180            | 11.49                            | 0.31        | 11.80                                          | 15.49                | Complies |
| 44      | 5220            | 11.85                            | 0.31        | 12.16                                          | 15.49                | Complies |
| 48      | 5240            | 11.65                            | 0.31        | 11.96                                          | 15.49                | Complies |



Date: 31.DEC.2020 15:06:59



Date: 15.JAN.2021 10:52:37



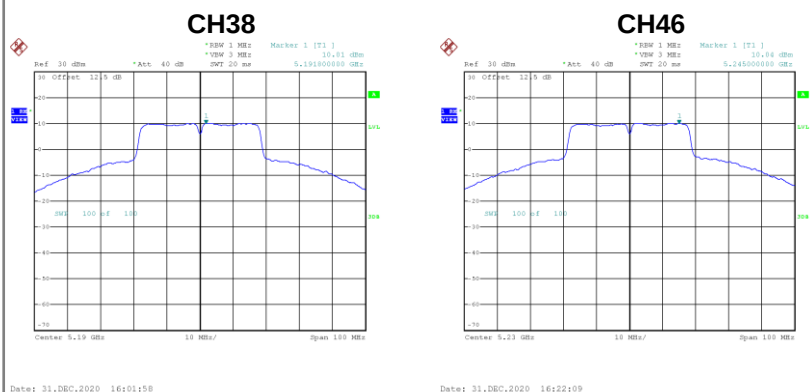
Date: 13.JAN.2021 11:42:05

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-1_TX AC (VHT20) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|----------------------|----------|
| 36      | 5180            | 15.48                            | 15.49                | Complies |
| 44      | 5220            | 15.02                            | 15.49                | Complies |
| 48      | 5240            | 15.28                            | 15.49                | Complies |

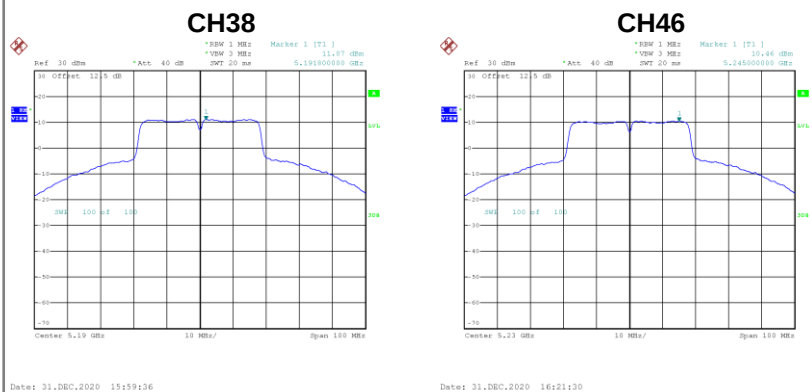
|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT40) Mode_Ant. 1 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 38      | 5190            | 10.01                            | 0.47        | 10.48                                          | 15.49                | Complies |
| 46      | 5230            | 10.04                            | 0.47        | 10.51                                          | 15.49                | Complies |



|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT40) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 38      | 5190            | 11.07                            | 0.47        | 11.54                                          | 15.49                | Complies |
| 46      | 5230            | 10.46                            | 0.47        | 10.93                                          | 15.49                | Complies |

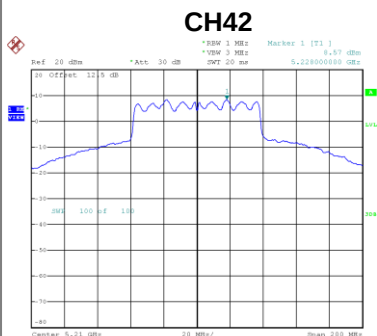


|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-1_TX AC (VHT40) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|----------------------|----------|
| 38      | 5190            | 14.05                            | 15.49                | Complies |
| 46      | 5230            | 13.74                            | 15.49                | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT80) Mode_Ant. 1 |
|-----------|----------------------------------|

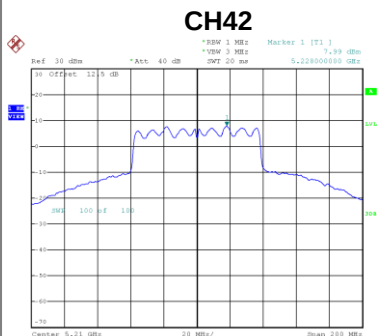
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 42      | 5210            | 8.57                             | 1.31        | 9.88                                           | 15.49                | Complies |



Date: 31.Dec.2020 16:32:11

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-1_TX AC (VHT80) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|-------------|------------------------------------------------|----------------------|----------|
| 42      | 5210            | 7.99                             | 1.31        | 9.30                                           | 15.49                | Complies |



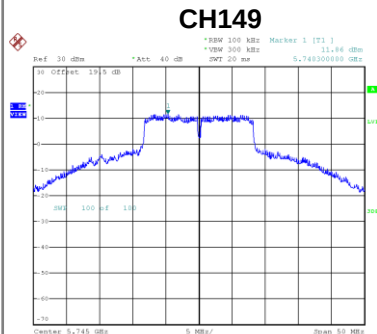
Date: 31.Dec.2020 16:28:45

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-1_TX AC (VHT80) Mode_Total |
|-----------|---------------------------------|

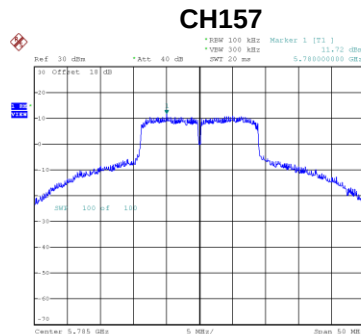
| Channel | Frequency (MHz) | Power Spectral Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------|----------------------------------|----------------------|----------|
| 42      | 5210            | 12.61                            | 15.49                | Complies |

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT20) Mode_Ant. 1 |
|-----------|----------------------------------|

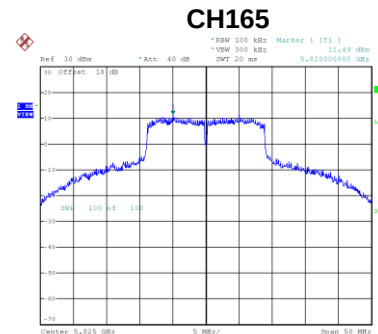
| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result   |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|----------|
| 149     | 5745            | 11.86                                | 0.31        | 12.17                                              | 28.49                    | Complies |
| 157     | 5785            | 11.72                                | 0.31        | 12.03                                              | 28.49                    | Complies |
| 165     | 5825            | 11.49                                | 0.31        | 11.80                                              | 28.49                    | Complies |



Date: 31.DEC.2020 17:57:08



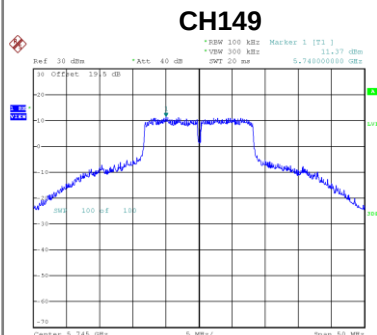
Date: 13.JAN.2021 12:11:02



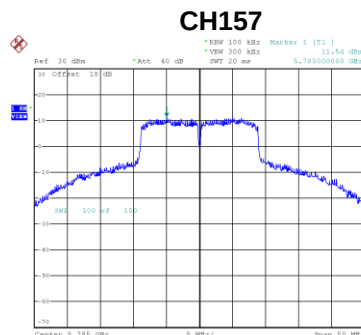
Date: 13.JAN.2021 14:16:30

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT20) Mode_Ant. 2 |
|-----------|----------------------------------|

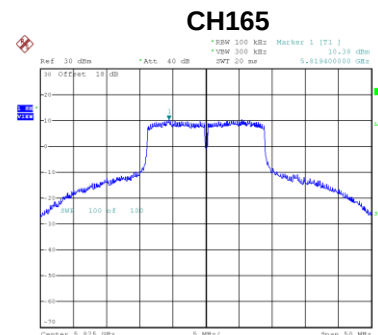
| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result   |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|----------|
| 149     | 5745            | 11.37                                | 0.31        | 11.68                                              | 28.49                    | Complies |
| 157     | 5785            | 11.54                                | 0.31        | 11.85                                              | 28.49                    | Complies |
| 165     | 5825            | 10.38                                | 0.31        | 10.69                                              | 28.49                    | Complies |



Date: 31.DEC.2020 17:58:51



Date: 13.JAN.2021 12:29:02



Date: 19.JAN.2021 20:25:43

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-3_TX AC (VHT20) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result   |
|---------|-----------------|--------------------------------------|--------------------------|----------|
| 149     | 5745            | 14.94                                | 28.49                    | Complies |
| 157     | 5785            | 14.95                                | 28.49                    | Complies |
| 165     | 5825            | 14.29                                | 28.49                    | Complies |

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result   |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|----------|
| 151     | 5755            | 7.31                                 | 0.47        | 7.78                                               | 28.49                    | Complies |
| 159     | 5795            | 6.76                                 | 0.47        | 7.23                                               | 28.49                    | Complies |



| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result   |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|----------|
| 151     | 5755            | 6.92                                 | 0.47        | 7.39                                               | 28.49                    | Complies |
| 159     | 5795            | 6.78                                 | 0.47        | 7.25                                               | 28.49                    | Complies |

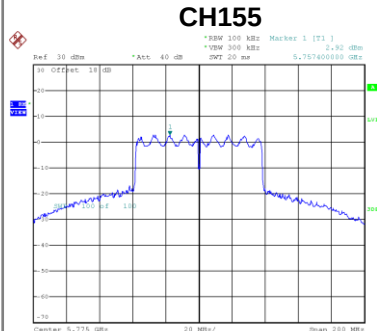


| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result   |
|---------|-----------------|--------------------------------------|--------------------------|----------|
| 151     | 5755            | 10.60                                | 28.49                    | Complies |
| 159     | 5795            | 10.25                                | 28.49                    | Complies |



|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT80) Mode_Ant. 1 |
|-----------|----------------------------------|

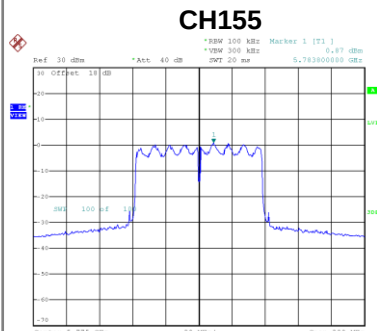
| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result   |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|----------|
| 155     | 5775            | 2.92                                 | 1.31        | 4.23                                               | 28.49                    | Complies |



Date: 13.JAN.2021 14:33:59

|           |                                  |
|-----------|----------------------------------|
| Test Mode | UNII-3_TX AC (VHT80) Mode_Ant. 2 |
|-----------|----------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Duty Factor | Power Spectral Density + Duty Factor (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result   |
|---------|-----------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------|----------|
| 155     | 5775            | 0.87                                 | 1.31        | 2.18                                               | 28.49                    | Complies |



Date: 13.JAN.2021 14:31:57

|           |                                 |
|-----------|---------------------------------|
| Test Mode | UNII-3_TX AC (VHT80) Mode_Total |
|-----------|---------------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/500 kHz) | Max. Limit (dBm/500 kHz) | Result   |
|---------|-----------------|--------------------------------------|--------------------------|----------|
| 155     | 5775            | 6.34                                 | 28.49                    | Complies |

End of Test Report