Certificate #7130.01

# FCC Radio Test Report

## FCC ID: 2APRGRE12

**This report concerns: Original Grant**

| | | |
|---|---|---|
| **Project No.** | : | 2403G074 |
| **Equipment** | : | AC1200 Dual Band Wi-Fi Range Extender |
| **Brand Name** | : | Cudy |
| **Test Model** | : | RE1200 |
| **Series Model** | : | N/A |
| **Applicant** | : | Shenzhen Cudy Technology Co., Ltd. |
| **Address** | : | Room A606, Gaoxinqi Industrial Park, Liuxianyi Road, Baoan District, Shenzhen, China |
| **Manufacturer** | : | Shenzhen Cudy Technology Co., Ltd. |
| **Address** | : | Room A606, Gaoxinqi Industrial Park, Liuxianyi Road, Baoan District, Shenzhen, China |
| **Factory** | : | Shenzhen Cudy Technology Co., Ltd. |
| **Address** | : | Room A606, Gaoxinqi Industrial Park, Liuxianyi Road, Baoan District, Shenzhen, China |
| **Date of Receipt** | : | Mar. 14, 2024 |
| **Date of Test** | : | Mar. 18, 2024 ~ May 16, 2024 |
| **Issued Date** | : | May 27, 2024 |
| **Report Version** | : | R00 |
| **Test Sample** | : | Engineering Sample No.: SSL2024031416 for radiated & AC Power Line Conducted Emissions, SSL2024031417 for conducted. |
| **Standard(s)** | : | FCC CFR Title 47, Part 15, Subpart E |

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

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**Declaration**

**BTL** represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

**BTL**'s reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

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**BTL**'s laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

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

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

**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 No. | Version | Description | Issued Date | Note |
|---|---|---|---|---|
| BTL-FCCP-2-2403G074 | R00 | Original Report. | May 27, 2024 | Valid |

## 1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:
ANSI C63.10-2013
The following reference test guidance is not within the scope of accreditation of A2LA:
KDB 789033 D02 General UNII Test Procedures New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| FCC CFR Title 47, Part 15, Subpart E | | | | |
|---|---|---|---|---|
| **Standard(s) Section** | **Test Item** | **Test Result** | **Judgment** | **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) | Bandwidth | APPENDIX E | PASS | ------ |
| 15.407(a) | Maximum Output Power | APPENDIX F | PASS | ------ |
| 15.407(a) | Power Spectral Density | APPENDIX G | PASS | ------ |
| 15.407(g) | Frequency Stability | APPENDIX H | PASS | ------ |
| 15.203 | Antenna Requirements | ------ | PASS | **NOTE (2)** |
| 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
☐ Outdoor access point device
☒ Indoor access point device
☐ Fixed point-to-point access points device
☒ Client device

## 2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Dalang, Dongguan City, Guangdong People's Republic of China.
BTL's Registration Number for FCC: 747969
BTL's Designation Number for FCC: CN1377

## 2.2 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) |
|---|---|---|---|
| DG-C02 | CISPR | 150kHz ~ 30MHz | 2.88 |

B. Radiated emissions test:

| Test Site | Method | Measurement Frequency Range | *U*,(dB) |
|---|---|---|---|
| DG-CB02 | CISPR | 9kHz ~ 30MHz | 2.36 |

| Test Site | Method | Measurement Frequency Range | Ant. H / V | *U*,(dB) |
|---|---|---|---|---|
| DG-CB03 (3m) | CISPR | 30MHz ~ 200MHz | V | 4.40 |
| | | 30MHz ~ 200MHz | H | 3.62 |
| | | 200MHz ~ 1,000MHz | V | 4.58 |
| | | 200MHz ~ 1,000MHz | H | 3.98 |

| Test Site | Method | Measurement Frequency Range | *U*,(dB) |
|---|---|---|---|
| DG-CB03 (3m) | CISPR | 1GHz ~ 6GHz | 4.08 |
| | | 6GHz ~ 18GHz | 4.62 |

| Test Site | Method | Measurement Frequency Range | *U*,(dB) |
|---|---|---|---|
| DG-CB03 (1m) | CISPR | 18 ~ 26.5 GHz | 3.36 |
| | | 26.5 ~ 40 GHz | 3.58 |

C. Other Measurement test:

| Test Item | Uncertainty |
|---|---|
| Bandwidth | 0.90 % |
| Maximum Output Power | 1.3 dB |
| Power Spectral Density | 1.4 dB |
| Frequency Stability | 2.7 ppm |
| Temperature | 0.8 °C |
| Humidity | 2.2 % |

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

## 2.3 TEST ENVIRONMENT CONDITIONS

| Test Item | Temperature | Humidity | Test Voltage | Tested By | Teste Date |
|---|---|---|---|---|---|
| AC Power Line Conducted Emissions | 23°C | 62% | AC 120V/60Hz | Hayden Chen | Mar. 25, 2024 |
| Radiated Emissions-9kHz to 30MHz | 23°C | 59% | AC 120V/60Hz | Hayden Chen | Apr. 29, 2024 |
| Radiated Emissions-30MHz to 1000MHz | 23°C | 51% | AC 120V/60Hz | Jensen Zhou | Apr. 11, 2024 |
| Radiated Emissions-Above 1000 MHz | 23-24°C | 51-56% | AC 120V/60Hz | Jensen Zhou | Apr. 11, 2024~ Apr. 12, 2024 |
| Bandwidth | 23-24°C | 51-56% | AC 120V/60Hz | Jensen Zhou Steve Zhou | Apr. 19, 2024 Apr. 23, 2024 |
| Maximum Output Power | 22-23°C | 53-54% | AC 120V/60Hz | Oliver Wang | Apr. 01, 2024~ Apr. 25, 2024 |
| Power Spectral Density | 24°C | 56% | AC 120V/60Hz | Jensen Zhou | Apr. 19, 2024 Apr. 23, 2024 |
| Frequency Stability | Normal & Extreme | 51% | Normal & Extreme | Steve Zhou | Apr. 23, 2024 |

# 3. GENERAL INFORMATION

## 3.1 GENERAL DESCRIPTION OF EUT

| | |
|---|---|
| Equipment | AC1200 Dual Band Wi-Fi Range Extender |
| Brand Name | Cudy |
| Test Model | RE1200 |
| Series Model | N/A |
| Model Difference(s) | N/A |
| Hardware Version | V1 |
| Software Version | FW1.15.33 |
| Power Source | AC Mains. |
| Power Rating | 100-240V~50/60Hz, 0.3A |
| Operation Frequency Band(s) | UNII-1: 5150 MHz ~ 5250 MHz<br>UNII-2A: 5250 MHz ~ 5350 MHz<br>UNII-2C: 5470 MHz ~ 5600 MHz & 5650 MHz ~ 5725 MHz<br>UNII-3: 5725 MHz ~ 5850 MHz |
| Modulation Type | IEEE 802.11a/n/ac: OFDM |
| Bit Rate of Transmitter | IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps<br>IEEE 802.11n: up to 300 Mbps<br>IEEE 802.11ac: up to 866.7 Mbps |
| Maximum Output Power _UNII-1 Non Beamforming | IEEE 802.11ac(VHT40): 20.72 dBm (0.1180 W) |
| Maximum Output Power _UNII-2A Non Beamforming | IEEE 802.11ac(VHT40): 19.69 dBm (0.0931 W) |
| Maximum Output Power _UNII-2C Non Beamforming | IEEE 802.11ac(VHT80): 20.65 dBm (0.1161 W) |
| Maximum Output Power _UNII-3 Non Beamforming | IEEE 802.11ac(VHT20): 24.83 dBm (0.3041 W) |
| Maximum Output Power _UNII-1 Beamforming | IEEE 802.11ac(VHT40): 20.51 dBm (0.1125 W) |
| Maximum Output Power _UNII-2A Beamforming | IEEE 802.11ac(VHT40): 19.33 dBm (0.0857 W) |
| Maximum Output Power _UNII-2C Beamforming | IEEE 802.11ac(VHT80): 20.16 dBm (0.1038 W) |
| Maximum Output Power _UNII-3 Beamforming | IEEE 802.11ac(VHT20): 24.58 dBm (0.2871 W) |

Note:

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

2. Channel List:

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

| IEEE 802.11a<br>IEEE 802.11n(HT20)<br>IEEE 802.11ac(VHT20) | | IEEE 802.11n(HT40)<br>IEEE 802.11ac(VHT40) | | IEEE 802.11ac(VHT80) | |
|---|---|---|---|---|---|
| UNII-2A | | UNII-2A | | UNII-2A | |
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 52 | 5260 | 54 | 5270 | 58 | 5290 |
| 56 | 5280 | 62 | 5310 | | |
| 60 | 5300 | | | | |
| 64 | 5320 | | | | |

| 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-2C | | UNII-2C | | UNII-2C | |
| Channel | Frequency (MHz) | Channel | Channel | Frequency (MHz) | Channel |
| 100 | 5500 | 102 | 5510 | 106 | 5530 |
| 104 | 5520 | 110 | 5550 | | |
| 108 | 5540 | 134 | 5670 | | |
| 112 | 5560 | | | | |
| 116 | 5580 | | | | |
| 132 | 5660 | | | | |
| 136 | 5680 | | | | |
| 140 | 5700 | | | | |

| 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 | P/N | Antenna Type | Connector | Gain (dBi) |
|---|---|---|---|---|---|
| 1 | RFlink | U00T01S126N00635 | Dipole | IPEX | 6.24 |
| 2 | RFlink | U00T01S126N00635 | Dipole | IPEX | 6.24 |

Note:

1) This EUT supports MIMO, any transmit signals are correlated with each other, so Directional gain=$G_{ANT}$+10log(N)dBi, that is Directional gain=6.24+10log(2)dBi=9.25. So, the UNII-1, UNII-3 output power limit is 30-(9.25-6)=26.75, the UNII-2A, UNII-2C output power limit is 23.98-(9.25-6)=20.73. The UNII-1 power spectral density limit is 17-(9.25-6)=13.75, the UNII-2A, UNII-2C power spectral density limit is 11-(9.25-6)=7.75, the UNII-3 power spectral density limit is 30-(9.25-6)=26.75.
2) Beamforming Gain is 3 dBi, that Directional gain=3+6.24=9.24. So, the UNII-1, UNII-3 output power limit is 30-(9.24-6)=26.76, the UNII-2A, UNII-2C output power limit is 23.98-(9.24-6)=20.74.

4. Table for Antenna Configuration:

For Non Beamforming:

| Operating Mode / TX Mode | 2TX |
|---|---|
| IEEE 802.11a | V (Ant. 1 + Ant. 2) |
| IEEE 802.11n(HT20) | V (Ant. 1 + Ant. 2) |
| IEEE 802.11n(HT40) | V (Ant. 1 + Ant. 2) |
| IEEE 802.11ac(VHT20) | V (Ant. 1 + Ant. 2) |
| IEEE 802.11ac(VHT40) | V (Ant. 1 + Ant. 2) |
| IEEE 802.11ac(VHT80) | V (Ant. 1 + Ant. 2) |

For Beamforming:

| Operating Mode / TX Mode | 2TX |
|---|---|
| IEEE 802.11n(HT20) | V (Ant. 1 + Ant. 2) |
| IEEE 802.11n(HT40) | V (Ant. 1 + Ant. 2) |
| IEEE 802.11ac(VHT20) | V (Ant. 1 + Ant. 2) |
| IEEE 802.11ac(VHT40) | V (Ant. 1 + Ant. 2) |
| IEEE 802.11ac(VHT80) | V (Ant. 1 + Ant. 2) |

## 3.2 TEST MODES

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

| Pretest Mode | Description |
|---|---|
| Mode 1 | TX A Mode Channel 36/40/48 (UNII-1) |
| Mode 2 | TX N(HT20) Mode Channel 36/40/48 (UNII-1) |
| Mode 3 | TX N(HT40) Mode Channel 38/46 (UNII-1) |
| Mode 4 | TX AC(VHT20) Mode Channel 36/40/48 (UNII-1) |
| Mode 5 | TX AC(VHT40) Mode Channel 38/46 (UNII-1) |
| Mode 6 | TX AC(VHT80) Mode Channel 42 (UNII-1) |
| Mode 7 | TX A Mode Channel 52/60/64 (UNII-2A) |
| Mode 8 | TX N(HT20) Mode Channel 52/60/64 (UNII-2A) |
| Mode 9 | TX N(HT40) Mode Channel 54/62 (UNII-2A) |
| Mode 10 | TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A) |
| Mode 11 | TX AC(VHT40) Mode Channel 54/62 (UNII-2A) |
| Mode 12 | TX AC(VHT80) Mode Channel 58 (UNII-2A) |
| Mode 13 | TX A Mode Channel 100/116/140 (UNII-2C) |
| Mode 14 | TX N(HT20) Mode Channel 100/116/140 (UNII-2C) |
| Mode 15 | TX N(HT40) Mode Channel 102/110/134 (UNII-2C) |
| Mode 16 | TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C) |
| Mode 17 | TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C) |
| Mode 18 | TX AC(VHT80) Mode Channel 106 (UNII-2C) |
| Mode 19 | TX A Mode Channel 149/157/165 (UNII-3) |
| Mode 20 | TX N(HT20) Mode Channel 149/157/165 (UNII-3) |
| Mode 21 | TX N(HT40) Mode Channel 151/159 (UNII-3) |
| Mode 22 | TX AC(VHT20) Mode Channel 149/157/165 (UNII-3) |
| Mode 23 | TX AC(VHT40) Mode Channel 151/159 (UNII-3) |
| Mode 24 | TX AC(VHT80) Mode Channel 155 (UNII-3) |
| Mode 25 | TX AC(VHT20) Mode Channel 165 (UNII-3) |

Following mode(s) was (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 25 | TX AC(VHT20) Mode Channel 165 (UNII-3) |

| **Radiated Emissions Test - Below 1GHz** | |
|---|---|
| Final Test Mode | Description |
| Mode 25 | TX AC(VHT20) Mode Channel 165 (UNII-3) |

| Radiated Emissions Test - Above 1GHz_Non Beamforming | |
|---|---|
| Final Test Mode | Description |
| Mode 1 | TX A Mode Channel 36/40/48 (UNII-1) |
| Mode 4 | TX AC(VHT20) Mode Channel 36/40/48 (UNII-1) |
| Mode 5 | TX AC(VHT40) Mode Channel 38/46 (UNII-1) |
| Mode 6 | TX AC(VHT80) Mode Channel 42 (UNII-1) |
| Mode 7 | TX A Mode Channel 52/60/64 (UNII-2A) |
| Mode 10 | TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A) |
| Mode 11 | TX AC(VHT40) Mode Channel 54/62 (UNII-2A) |
| Mode 12 | TX AC(VHT80) Mode Channel 58 (UNII-2A) |
| Mode 13 | TX A Mode Channel 100/116/140 (UNII-2C) |
| Mode 16 | TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C) |
| Mode 17 | TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C) |
| Mode 18 | TX AC(VHT80) Mode Channel 106 (UNII-2C) |
| Mode 19 | TX A Mode Channel 149/157/165 (UNII-3) |
| Mode 22 | TX AC(VHT20) Mode Channel 149/157/165 (UNII-3) |
| Mode 23 | TX AC(VHT40) Mode Channel 151/159 (UNII-3) |
| Mode 24 | TX AC(VHT80) Mode Channel 155 (UNII-3) |

| Maximum Output Power test _Non Beamforming | |
|---|---|
| Mode 1 | TX A Mode Channel 36/40/48 (UNII-1) |
| Mode 2 | TX N(HT20) Mode Channel 36/40/48 (UNII-1) |
| Mode 3 | TX N(HT40) Mode Channel 38/46 (UNII-1) |
| Mode 4 | TX AC(VHT20) Mode Channel 36/40/48 (UNII-1) |
| Mode 5 | TX AC(VHT40) Mode Channel 38/46 (UNII-1) |
| Mode 6 | TX AC(VHT80) Mode Channel 42 (UNII-1) |
| Mode 7 | TX A Mode Channel 52/60/64 (UNII-2A) |
| Mode 8 | TX N(HT20) Mode Channel 52/60/64 (UNII-2A) |
| Mode 9 | TX N(HT40) Mode Channel 54/62 (UNII-2A) |
| Mode 10 | TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A) |
| Mode 11 | TX AC(VHT40) Mode Channel 54/62 (UNII-2A) |
| Mode 12 | TX AC(VHT80) Mode Channel 58 (UNII-2A) |
| Mode 13 | TX A Mode Channel 100/116/140 (UNII-2C) |
| Mode 14 | TX N(HT20) Mode Channel 100/116/140 (UNII-2C) |
| Mode 15 | TX N(HT40) Mode Channel 102/110/134 (UNII-2C) |
| Mode 16 | TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C) |
| Mode 17 | TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C) |
| Mode 18 | TX AC(VHT80) Mode Channel 106 (UNII-2C) |
| Mode 19 | TX A Mode Channel 149/157/165 (UNII-3) |
| Mode 20 | TX N(HT20) Mode Channel 149/157/165 (UNII-3) |
| Mode 21 | TX N(HT40) Mode Channel 151/159 (UNII-3) |
| Mode 22 | TX AC(VHT20) Mode Channel 149/157/165 (UNII-3) |
| Mode 23 | TX AC(VHT40) Mode Channel 151/159 (UNII-3) |
| Mode 24 | TX AC(VHT80) Mode Channel 155 (UNII-3) |

| Maximum Output Power test _ Beamforming | |
|---|---|
| Final Test Mode | Description |
| Mode 4 | TX AC(VHT20) Mode Channel 36/40/48 (UNII-1) |
| Mode 5 | TX AC(VHT40) Mode Channel 38/46 (UNII-1) |
| Mode 6 | TX AC(VHT80) Mode Channel 42 (UNII-1) |
| Mode 10 | TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A) |
| Mode 11 | TX AC(VHT40) Mode Channel 54/62 (UNII-2A) |
| Mode 12 | TX AC(VHT80) Mode Channel 58 (UNII-2A) |
| Mode 16 | TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C) |
| Mode 17 | TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C) |
| Mode 18 | TX AC(VHT80) Mode Channel 106 (UNII-2C) |
| Mode 22 | TX AC(VHT20) Mode Channel 149/157/165 (UNII-3) |
| Mode 23 | TX AC(VHT40) Mode Channel 151/159 (UNII-3) |
| Mode 24 | TX AC(VHT80) Mode Channel 155 (UNII-3) |

| Other Conducted Test | |
|---|---|
| Final Test Mode | Description |
| Mode 1 | TX A Mode Channel 36/40/48 (UNII-1) |
| Mode 4 | TX AC(VHT20) Mode Channel 36/40/48 (UNII-1) |
| Mode 5 | TX AC(VHT40) Mode Channel 38/46 (UNII-1) |
| Mode 6 | TX AC(VHT80) Mode Channel 42 (UNII-1) |
| Mode 7 | TX A Mode Channel 52/60/64 (UNII-2A) |
| Mode 10 | TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A) |
| Mode 11 | TX AC(VHT40) Mode Channel 54/62 (UNII-2A) |
| Mode 12 | TX AC(VHT80) Mode Channel 58 (UNII-2A) |
| Mode 13 | TX A Mode Channel 100/116/140 (UNII-2C) |
| Mode 16 | TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C) |
| Mode 17 | TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C) |
| Mode 18 | TX AC(VHT80) Mode Channel 106 (UNII-2C) |
| Mode 19 | TX A Mode Channel 149/157/165 (UNII-3) |
| Mode 22 | TX AC(VHT20) Mode Channel 149/157/165 (UNII-3) |
| Mode 23 | TX AC(VHT40) Mode Channel 151/159 (UNII-3) |
| Mode 24 | TX AC(VHT80) Mode Channel 155 (UNII-3) |

Note:
(1) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX AC(VHT20) Mode Channel 165 (UNII-3) is found to be the worst case and recorded.
(2) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz and 26.5GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
(3) For radiated emission Harmonic 18-40GHz test, only tested the worst case and recorded.
(4) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
(5) The measurements for Output Power are tested, the worst case are IEEE 802.11a mode, IEEE 802.11ac(VHT20) mode, IEEE 802.11ac(VHT40) mode and IEEE 802.11ac(VHT80) mode, only the worst cases are documented for other test items.
(6) The measurements for Output Power are tested, the Non Beamforming and Beamforming are recorded in the report. The worst case is Non Beamforming and only the worst case is documented for other test items.
(7) For radiated emission above 1 GHz test, the polarization of Vertical and Horizontal are evaluated, the worst case is Vertical and recorded.

## 3.3 PARAMETERS OF TEST SOFTWARE

**Non Beamforming**

| UNII-1 | | | |
|---|---|---|---|
| Test Software Version | QATool_Dbg 0.0.2.6 | | |
| Frequency (MHz) | 5180 | 5200 | 5240 |
| IEEE 802.11a | 1B | 1B | 19 |
| IEEE 802.11n(HT20) | 1B | 1A | 18 |
| IEEE 802.11ac(VHT20) | 1C | 1C | 1B |
| Frequency (MHz) | 5190 | 5230 | |
| IEEE 802.11n(HT40) | 17 | 1D | |
| IEEE 802.11ac(VHT40) | 17 | 1F | |
| Frequency (MHz) | 5210 | | |
| IEEE 802.11ac(VHT80) | 0D | | |

| UNII-2A | | | |
|---|---|---|---|
| Test Software Version | QATool_Dbg 0.0.2.6 | | |
| Frequency (MHz) | 5260 | 5300 | 5320 |
| IEEE 802.11a | 15 | 15 | 14 |
| IEEE 802.11n(HT20) | 15 | 15 | 15 |
| IEEE 802.11ac(VHT20) | 16 | 16 | 16 |
| Frequency (MHz) | 5270 | 5310 | |
| IEEE 802.11n(HT40) | 1B | 1A | |
| IEEE 802.11ac(VHT40) | 1C | 1B | |
| Frequency (MHz) | 5290 | | |
| IEEE 802.11ac(VHT80) | 12 | | |

| UNII-2C | | | |
|---|---|---|---|
| Test Software Version | QATool_Dbg 0.0.2.6 | | |
| Frequency (MHz) | 5500 | 5580 | 5700 |
| IEEE 802.11a | 16 | 17 | 17 |
| IEEE 802.11n(HT20) | 15 | 16 | 16 |
| IEEE 802.11ac(VHT20) | 16 | 17 | 17 |
| Frequency (MHz) | 5510 | 5550 | 5670 |
| IEEE 802.11n(HT40) | 1B | 1C | 1C |
| IEEE 802.11ac(VHT40) | 1C | 1D | 1D |
| Frequency (MHz) | 5530 | | |
| IEEE 802.11ac(VHT80) | 11 | | |

| UNII-3 | | | |
|---|---|---|---|
| Test Software Version | QATool_Dbg 0.0.2.6 | | |
| Frequency (MHz) | 5745 | 5785 | 5825 |
| IEEE 802.11a | 20 | 1F | 26 |
| IEEE 802.11n(HT20) | 21 | 21 | 25 |
| IEEE 802.11ac(VHT20) | 22 | 22 | 26 |
| Frequency (MHz) | 5755 | 5795 | |
| IEEE 802.11n(HT40) | 21 | 21 | |
| IEEE 802.11ac(VHT40) | 23 | 23 | |
| Frequency (MHz) | 5775 | | |
| IEEE 802.11ac(VHT80) | 22 | | |

**Beamforming**

| UNII-1 | | | |
|---|---|---|---|
| Test Software Version | QATool_Dbg 0.0.2.6 | | |
| Frequency (MHz) | 5180 | 5200 | 5240 |
| IEEE 802.11n(HT20) | 1A | 19 | 17 |
| IEEE 802.11ac(VHT20) | 1B | 1B | 1A |
| Frequency (MHz) | 5190 | 5230 | |
| IEEE 802.11n(HT40) | 16 | 1C | |
| IEEE 802.11ac(VHT40) | 16 | 1E | |
| Frequency (MHz) | 5210 | | |
| IEEE 802.11ac(VHT80) | 0C | | |

| UNII-2A | | | |
|---|---|---|---|
| Test Software Version | QATool_Dbg 0.0.2.6 | | |
| Frequency (MHz) | 5260 | 5300 | 5320 |
| IEEE 802.11n(HT20) | 14 | 14 | 14 |
| IEEE 802.11ac(VHT20) | 15 | 15 | 15 |
| Frequency (MHz) | 5270 | 5310 | |
| IEEE 802.11n(HT40) | 1A | 19 | |
| IEEE 802.11ac(VHT40) | 1B | 1A | |
| Frequency (MHz) | 5290 | | |
| IEEE 802.11ac(VHT80) | 11 | | |

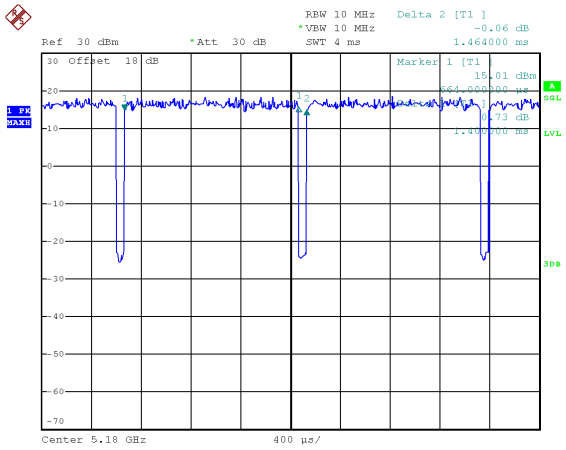
| UNII-2C | | | |
|---|---|---|---|
| Test Software Version | QATool_Dbg 0.0.2.6 | | |
| Frequency (MHz) | 5500 | 5580 | 5700 |
| IEEE 802.11n(HT20) | 14 | 15 | 15 |
| IEEE 802.11ac(VHT20) | 15 | 16 | 16 |
| Frequency (MHz) | 5510 | 5550 | 5670 |
| IEEE 802.11n(HT40) | 1A | 1B | 1B |
| IEEE 802.11ac(VHT40) | 1B | 1C | 1C |
| Frequency (MHz) | 5530 | | |
| IEEE 802.11ac(VHT80) | 10 | | |

| UNII-3 | | | |
|---|---|---|---|
| Test Software Version | QATool_Dbg 0.0.2.6 | | |
| Frequency (MHz) | 5745 | 5785 | 5825 |
| IEEE 802.11n(HT20) | 20 | 20 | 24 |
| IEEE 802.11ac(VHT20) | 21 | 21 | 25 |
| Frequency (MHz) | 5755 | 5795 | |
| IEEE 802.11n(HT40) | 20 | 20 | |
| IEEE 802.11ac(VHT40) | 22 | 22 | |
| Frequency (MHz) | 5775 | | |
| IEEE 802.11ac(VHT80) | 21 | | |

## 3.4 DUTY CYCLE

If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.
The output power = measured power + duty factor.
The power spectral density = measured power spectral density + duty factor.

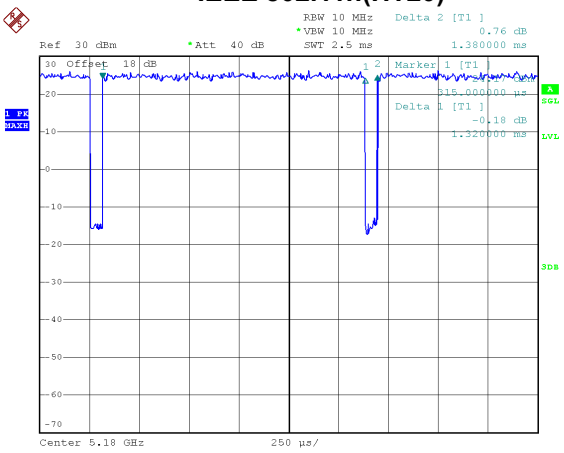
**IEEE 802.11a**




Date: 23.APR.2024 00:42:59

Duty cycle = 1.400 ms / 1.464 ms = 95.63%
Duty Factor = 10 log(1 / Duty cycle) = 0.19

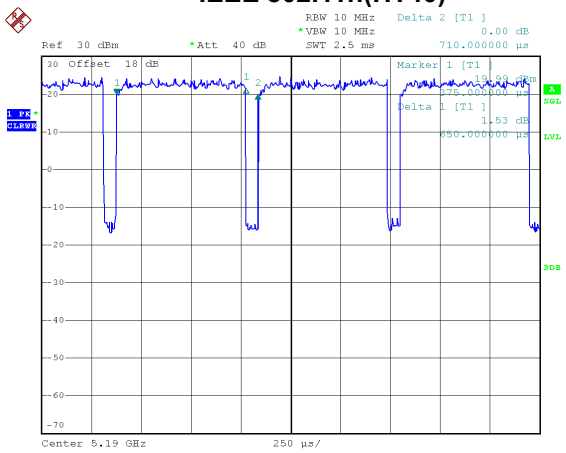
**IEEE 802.11n(HT20)**




Date: 24.APR.2024 09:54:12

Duty cycle = 1.320 ms / 1.380 ms = 95.65%
Duty Factor = 10 log(1 / Duty cycle) = 0.19

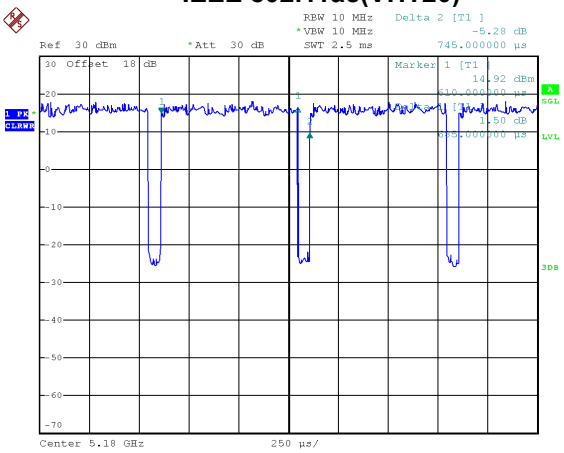
**IEEE 802.11n(HT40)**




Date: 24.APR.2024 09:55:41

Duty cycle = 0.650 ms / 0.710 ms = 91.55%
Duty Factor = 10 log(1 / Duty cycle) = 0.38

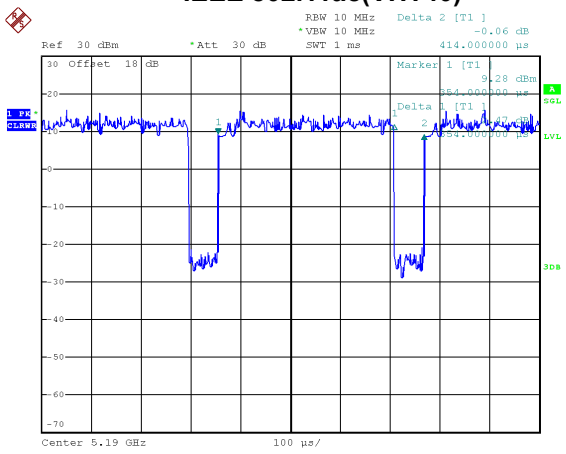
**IEEE 802.11ac(VHT20)**




Date: 23.APR.2024 00:43:18

Duty cycle = 0.685 ms / 0.745 ms = 91.95%
Duty Factor = 10 log(1 / Duty cycle) = 0.36

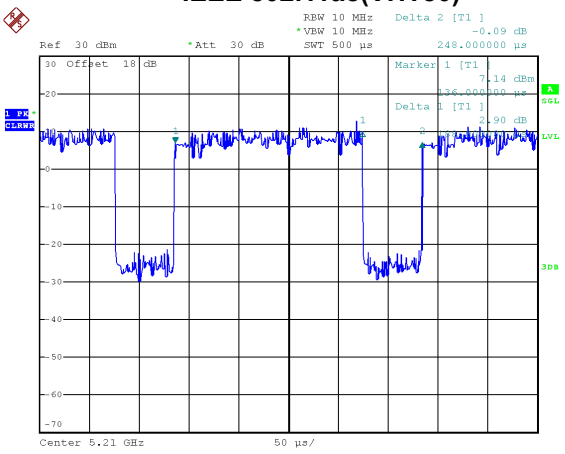
**IEEE 802.11ac(VHT40)**




Date: 23.APR.2024 00:44:02

Duty cycle = 0.354 ms / 0.414 ms = 85.51%
Duty Factor = 10 log(1 / Duty cycle) = 0.68

**IEEE 802.11ac(VHT80)**




Date: 23.APR.2024 00:44:17

Duty cycle = 0.188 ms / 0.248 ms = 75.81%
Duty Factor = 10 log(1 / Duty cycle) = 1.20

NOTE:
For IEEE 802.11a:
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 714 Hz (Duty cycle < 98%).

For IEEE 802.11n(HT20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 758 Hz (Duty cycle < 98%).

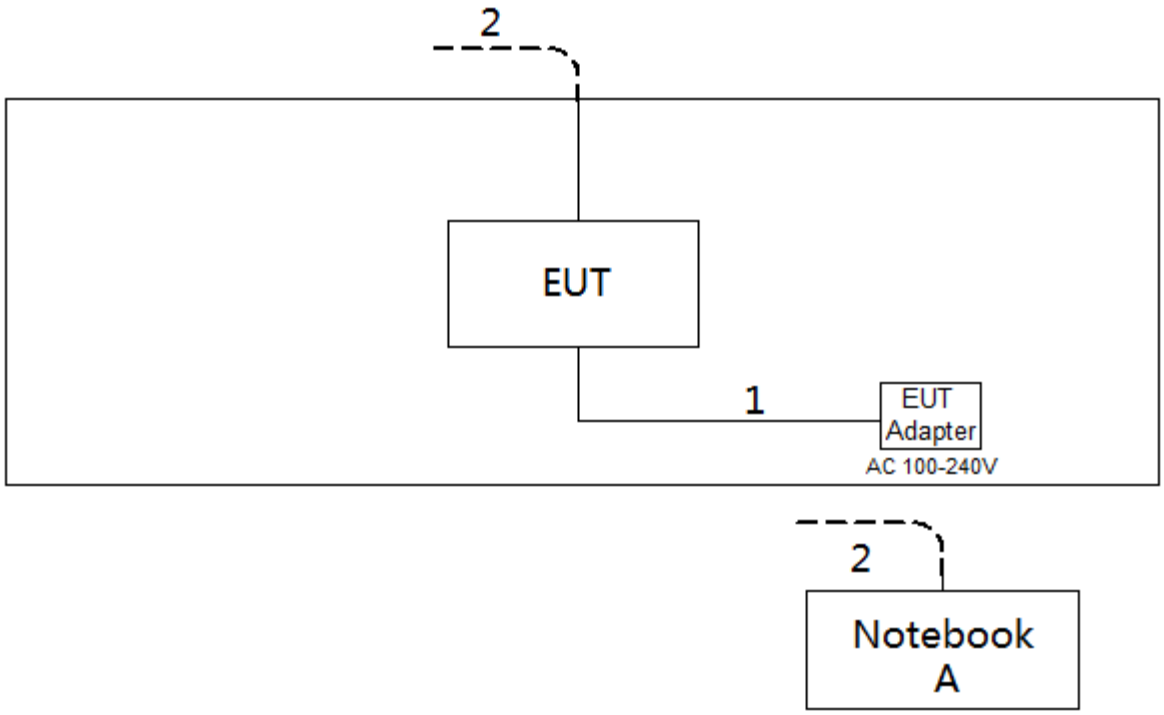
For IEEE 802.11n(HT40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1538 Hz (Duty cycle < 98%).

For 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 1460 Hz (Duty cycle < 98%).

For 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 2825 Hz (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 5319 Hz (Duty cycle < 98%).

## 3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED




## 3.6 SUPPORT UNITS

| Item | Equipment | Brand | Model No. | Series No. |
|---|---|---|---|---|
| A | Notebook | Honor | 14SER5 3500 | N/A |

| Item | Cable Type | Shielded Type | Ferrite Core | Length |
|---|---|---|---|---|
| 1 | DC Cable | NO | NO | 1.5m |
| 2 | RJ45 Cable | NO | NO | 10m |

## 3.7 CUSTOMER INFORMATION DESCRIPTION

1) The antenna gain and beamforming gain are provided by the manufacturer.
2) Except for AC power line conducted emissions and radiated emissions, the results of all test items include cable losses. All cable losses are provided by the testing laboratory.

# 4. AC POWER LINE CONDUCTED EMISSIONS

## 4.1 LIMIT

| Frequency (MHz) | Limit (dBμV) | |
|---|---|---|
| | Quasi-peak | Average |
| 0.15 - 0.5 | 66 to 56* | 56 to 46* |
| 0.5 - 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.

## 4.2 TEST PROCEDURE

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

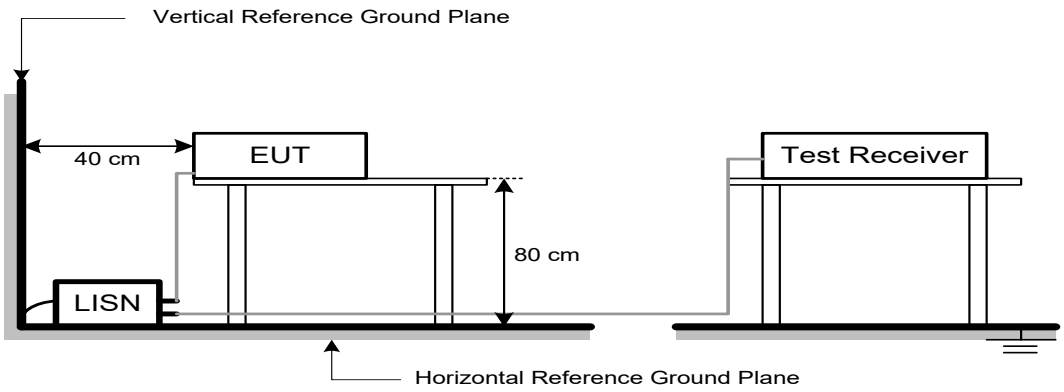
The following table is the setting of the receiver:

| Receiver Parameter | Setting |
|---|---|
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 kHz |

## 4.3 DEVIATION FROM TEST STANDARD

No deviation

## 4.4 TEST SETUP




## 4.5 EUT OPERATION CONDITIONS

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

## 4.6 TEST RESULTS

Please refer to the APPENDIX A.

# 5. RADIATED EMISSIONS

## 5.1 LIMIT

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

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

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

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS (Above 1000 MHz)

| Frequency (MHz) | EIRP Limit (dBm/MHz) | Band edge at 3m (dBμV/m) | Harmonic at 1m (dBμV/m) |
|---|---|---|---|
| 5150-5250 | -27 | 68.2 | 77.7 (Note 3) |
| 5250-5350 | -27 | 68.2 | 77.7 (Note 3) |
| 5470-5725 | -27 | 68.2 | 77.7 (Note 3) |
| 5725-5850 **NOTE (2)** | -27 | 68.2 | 77.7 (Note 3) |
| | 10 | 105.2 | 114.7 (Note 3) |
| | 15.6 | 110.8 | 120.3 (Note 3) |
| | 27 | 122.2 | 131.7 (Note 3) |

NOTE:

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

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

(2) According to 15.407(b)(4)(i), all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below 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.

(3)

$$FS_{\text{limit}} = FS_{\max} - 20\log\left(\frac{d_{\text{limit}}}{d_{\text{measure}}}\right)$$

$20\log (d_{limit}/d_{measure})=20\log (3/1)=9.5$ dB.

## 5.2 TEST PROCEDURE

a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of 3 m or 1m 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.

The following table is the setting of the receiver:

| Spectrum Parameters | Setting |
|---|---|
| Start ~ Stop Frequency | 9 kHz~150 kHz for RBW 200 Hz |
| Start ~ Stop Frequency | 0.15 MHz~30 MHz for RBW 9 kHz |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for RBW 100 kHz |

| Spectrum Parameters | Setting |
|---|---|
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic or 40 GHz, whichever is lower |
| RBW / VBW<br>(Emission in restricted band) | 1 MHz / 3 MHz for PK value<br>1 MHz / 1/T Hz for AVG value |

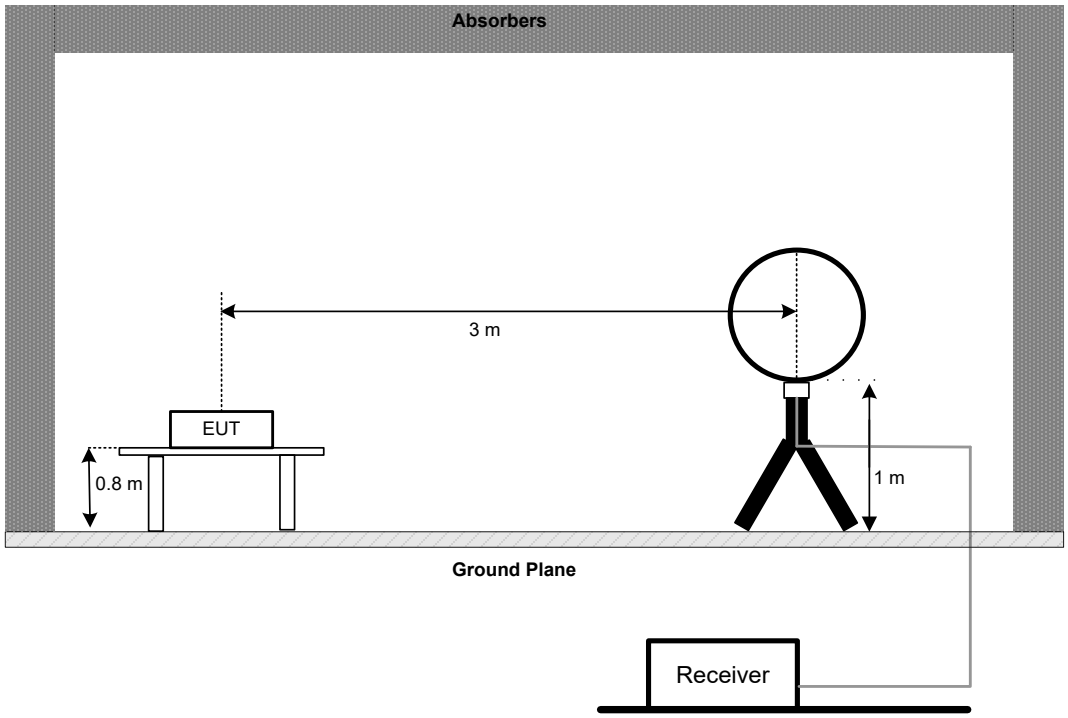
| Receiver Parameters | Setting |
|---|---|
| Start ~ Stop Frequency | 9 kHz~90 kHz for PK/AVG detector |
| Start ~ Stop Frequency | 90 kHz~110 kHz for QP detector |
| Start ~ Stop Frequency | 110 kHz~490 kHz for PK/AVG detector |
| Start ~ Stop Frequency | 490 kHz~30 MHz for QP detector |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for QP detector |
| Start ~ Stop Frequency | 1 GHz~40 GHz for PK/AVG detector |

## 5.3 DEVIATION FROM TEST STANDARD

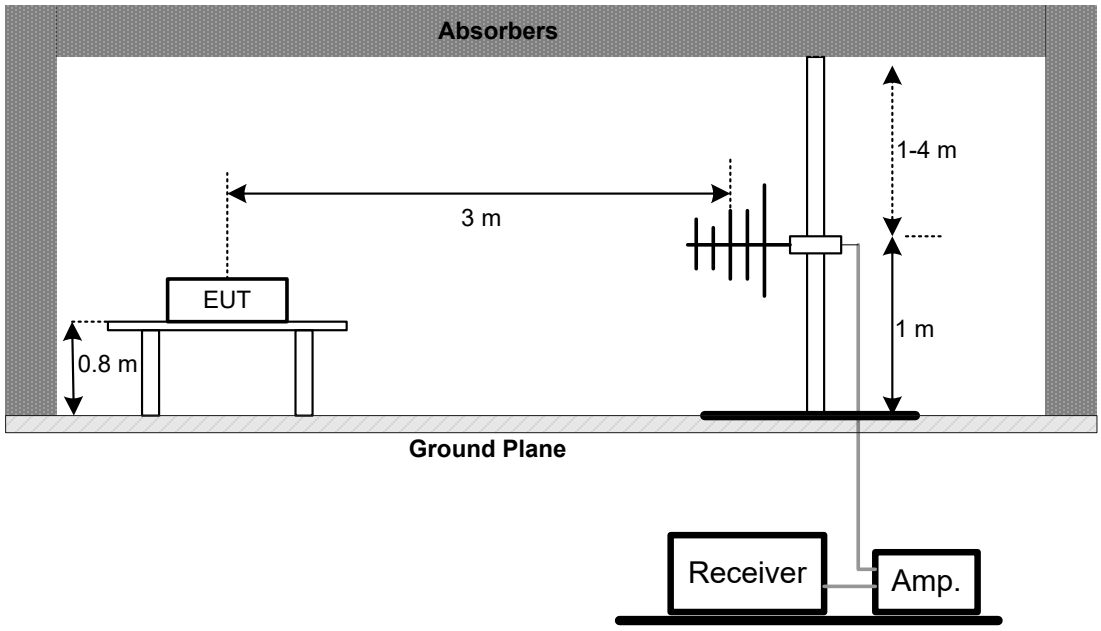
No deviation.

## 5.4 TEST SETUP

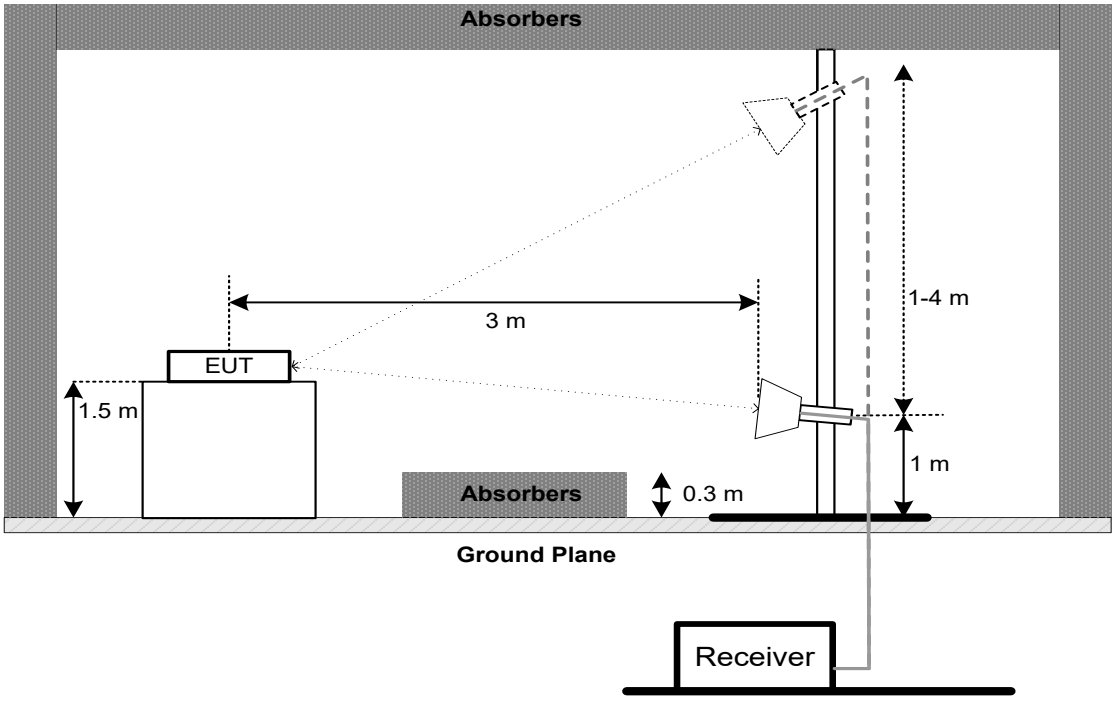
**9 kHz to 30 MHz**



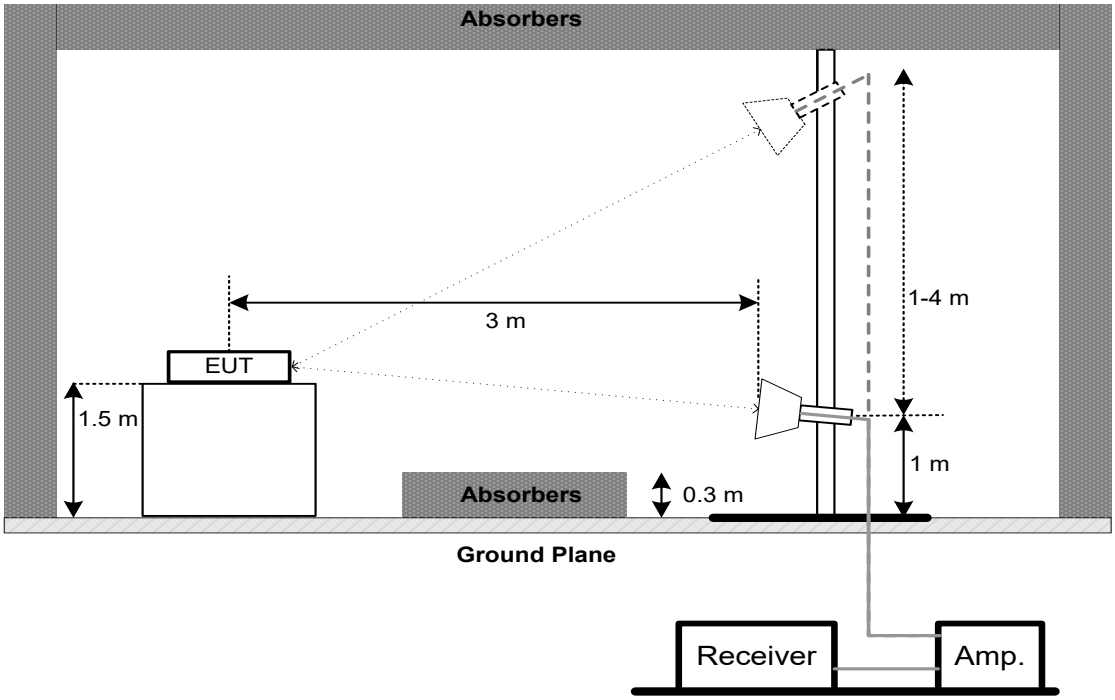

**30 MHz to 1 GHz**



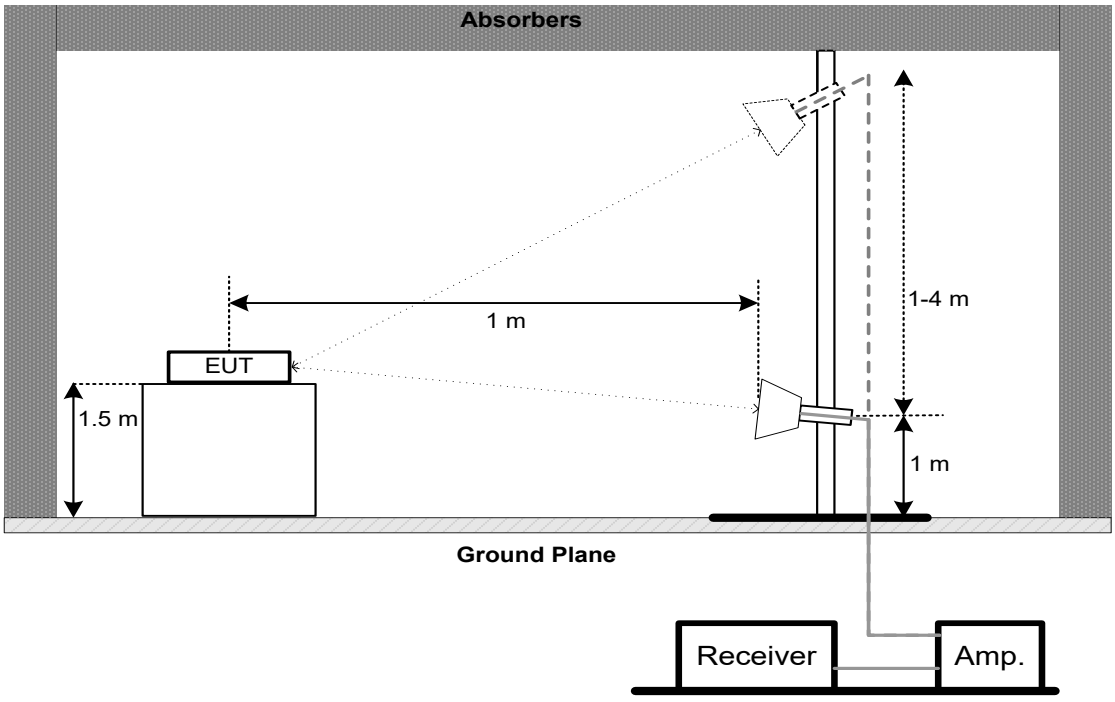
**Above 1 GHz**
Band edge




**Harmonic (1 GHz to 18 GHz)**



**Harmonic (18 GHz to 40 GHz)**




## 5.5 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.

## 5.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

(1) Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
(2) Limit line = specific limits (dBuV) + distance extrapolation factor.

## 5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

## 5.8 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.

# 6. BANDWIDTH

## 6.1 LIMIT

| Section | Test Item | Limit | Frequency Range (MHz) |
|---|---|---|---|
| FCC 15.407(a)<br>FCC 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 |

## 6.2 TEST PROCEDURE

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

b. Spectrum Setting:

For UNII-1, UNII-2A, UNII-2C:

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

For UNII-3:

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

For 99% Occupied Bandwidth:

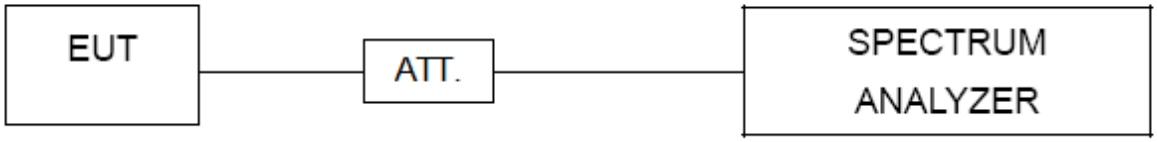
| Spectrum Parameter | Setting |
|---|---|
| Span Frequency | 1.5 times to 5 times the OBW |
| RBW | 1% to 5% of the OBW |
| VBW | ≥3*RBW |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

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

## 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 E.

# 7. MAXIMUM OUTPUT POWER

## 7.1 LIMIT

| Section | Test Item | Limit | Frequency Range (MHz) |
|---|---|---|---|
| FCC 15.407(a) | Maximum Output Power | AP device: 1 Watt (30 dBm)<br>Client device: 250 mW (23.98 dBm) | 5150-5250 |
| | | 250 mW (23.98 dBm) | 5250-5350 |
| | | 250 mW (23.98 dBm) | 5470-5725 |
| | | 1 Watt (30dBm) | 5725-5850 |

Note:

a. 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.

b. 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.

c. 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.

## 7.2 TEST PROCEDURE

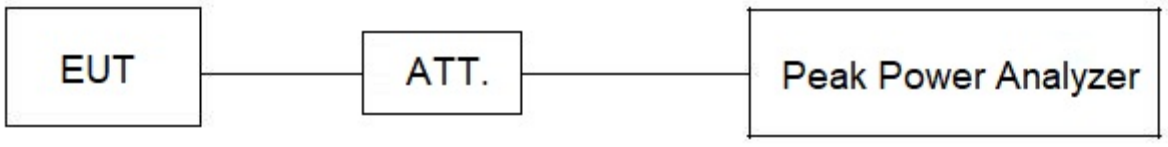
a. The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.

b. The test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

## 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 F.

# 8. POWER SPECTRAL DENSITY

## 8.1 LIMIT

| Section | Test Item | Limit | Frequency Range (MHz) |
|---|---|---|---|
| FCC 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 |

## 8.2 TEST PROCEDURE

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

b. Spectrum Setting:

For UNII-1, UNII-2A, UNII-2C:

| Spectrum Parameter | Setting |
|---|---|
| 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 |

For UNII-3:

| Spectrum Parameter | Setting |
|---|---|
| Span Frequency | Encompass the entire emissions bandwidth (EBW) of the signal |
| RBW | 100 kHz. |
| VBW | 300 kHz. |
| Detector | RMS |
| Trace average | 100 trace |
| Sweep Time | Auto |

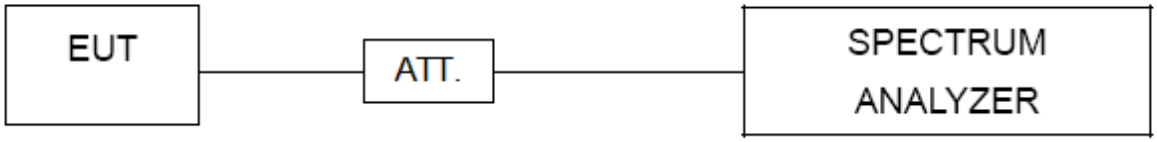
Note:

1. 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 100kHz and VBW at 300kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add 10 log (500 kHz/100 kHz) to the measured result, i.e. 7 dB.
2. During the test of U-NII 3 PSD, the measurement result with RBW=100kHz has been added 7 dB by compensating offset. For example, the cable loss is 18 dB, and the final offset is 18 + 7 = 25 dB when RBW=100kHz is used.

## 8.3 DEVIATION FROM STANDARD

No deviation.

## 8.4 TEST SETUP




## 8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

## 8.6 TEST RESULTS

Please refer to the APPENDIX G.

# 9. FREQUENCY STABILITY

## 9.1 LIMIT

| Section | Test Item | Limit | Frequency Range (MHz) |
|---|---|---|---|
| FCC 15.407(g) | Frequency Stability | An emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual. | 5150-5250 |
| | | | 5250-5350 |
| | | | 5470-5725 |
| | | | 5725-5850 |

## 9.2 TEST PROCEDURE

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

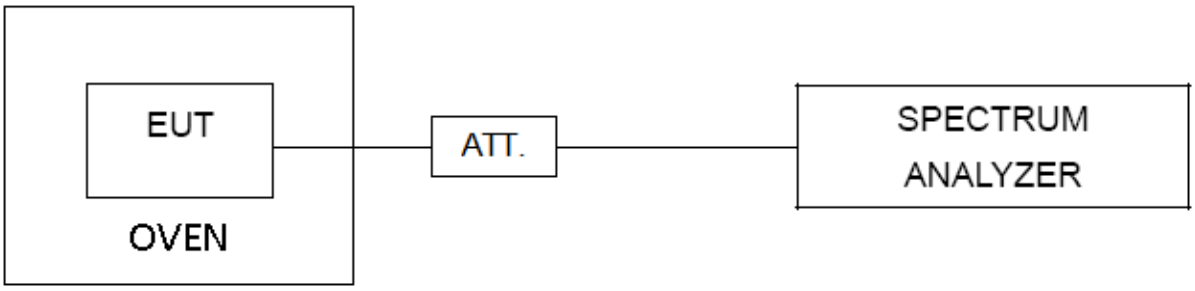
| Spectrum Parameter | Setting |
|---|---|
| Span Frequency | Entire absence of modulation emissions bandwidth |
| RBW | 10 kHz |
| VBW | 10 kHz |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

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

## 9.3 DEVIATION FROM STANDARD

No deviation.

## 9.4 TEST SETUP




## 9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

## 9.6 TEST RESULTS

Please refer to the APPENDIX H.

## 10. MEASUREMENT INSTRUMENTS LIST

| AC Power Line Conducted Emissions | | | | | |
|---|---|---|---|---|---|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | EMI Test Receiver | R&S | ESR3 | 103027 | Jun. 16, 2024 |
| 2 | TWO-LINE V-NETWORK | R&S | ENV216 | 101447 | Dec. 22, 2024 |
| 3 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |
| 4 | Cable | N/A | SFT205-NMNM-9M-001 | 9M | Nov. 27, 2024 |
| 5 | 643 Shield Room | ETS | 6*4*3 | N/A | N/A |

| Radiated Emissions - 9 kHz to 30 MHz | | | | | |
|---|---|---|---|---|---|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Active Loop Antenna | Schwarzbeck | FMZB 1513-60B | 1513-60 B-034 | Mar. 30, 2025 |
| 2 | EMI Test Receiver | Keysight | N9038A | MY56400060 | Dec. 22, 2024 |
| 3 | Cable | RW | LMR-400(30MHz-1GHz)(10m+2.5m+0.8M) | N/A | Jul. 04, 2024 |
| 4 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |
| 5 | 1266 Chamber room | ETS | 12*6*6 | N/A | May 01, 2024 |

| 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 | 1462 | Dec. 13, 2024 |
| 2 | Attenuator | EMC INSTRUMENT | EMCI-N-6-06 | AT-06009 | Dec. 13, 2024 |
| 3 | Preamplifier | EMC INSTRUMENT | EMC001330 | 980998 | Nov. 17, 2024 |
| 4 | Cable | RegalWay | LMR400-NMNM-12.5m | N/A | Jul. 04, 2024 |
| 5 | Cable | RegalWay | LMR400-NMNM-3m | N/A | Jul. 04, 2024 |
| 6 | Cable | RegalWay | LMR400-NMNM-0.5m | N/A | Jul. 04, 2024 |
| 7 | Receiver | Agilent | N9038A | MY52130039 | Dec. 22, 2024 |
| 8 | Positioning Controller | MF | MF-7802 | N/A | N/A |
| 9 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |
| 10 | 966 Chamber room | CM | 9*6*6 | N/A | May 17, 2024 |

| Radiated Emissions - Above 1 GHz | | | | | |
|---|---|---|---|---|---|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Receiver | Agilent | N9038A | MY52130039 | Dec. 22, 2024 |
| 2 | Preamplifier | EMC INSTRUMENT | EMC118A45SE | 980888 | Nov. 17, 2024 |
| 3 | MXA Signal Analyzer | KEYSIGHT | N9020B | MY63380204 | Nov. 17, 2024 |
| 4 | Double Ridged Guide Antenna | ETS | 3115 | 75789 | May 31, 2024 |
| 5 | Cable | RegalWay | RWLP50-4.0A-SMSM-12.5M | N/A | Feb. 19, 2025 |
| 6 | Cable | RegalWay | RWLP50-4.0A-NMRASM-2.5M | N/A | Aug. 08, 2024 |
| 7 | Cable | RegalWay | RWLP50-4.0A-NMRASMRA-0.8M | N/A | Aug. 08, 2024 |
| 8 | 966 Chamber room | CM | 9*6*6 | N/A | May 17, 2024 |
| 9 | Attenuator | Talent Microwave | TA10A2-S-18 | N/A | N/A |
| 10 | Filter | STI | STI15-9969 | N/A | Jun. 16, 2024 |
| 11 | Positioning Controller | MF | MF-7802 | N/A | N/A |
| 12 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |
| 13 | Low Noise Amplifier | CONNPHY | CLN-18G40G-4330-K | 619413 | Jul. 06, 2024 |
| 14 | Cable | RegalWay | RWLP50-2.6A-2.92M2.92M-1.1M | N/A | Jul. 26, 2024 |
| 15 | Cable | Tonscend | HF160-KMKM-3M | N/A | Jul. 26, 2024 |
| 16 | Broad-Band Horn Antenna | Schwarzbeck | BBHA9170(3m) | 9170-319 | Jun. 20, 2024 |

| Bandwidth & Power Spectral Density | | | | | |
|---|---|---|---|---|---|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Spectrum Analyzer | R&S | FSP38 | 100852 | Jun. 16, 2024 |
| 2 | Attenuator | Talent Microwave | TA10A0-S-26.5 | N/A | N/A |
| 3 | DC Block | N/A | N/A | N/A | N/A |
| 4 | Measurement Software | BTL | BTL Conducted Test | N/A | N/A |
| 5 | Attenuator | Talent Microwave | TA10A0-S-26.5 | N/A | N/A |
| 6 | Spectrum Analyzer | R&S | FSP40 | 100185 | Jun. 16, 2024 |

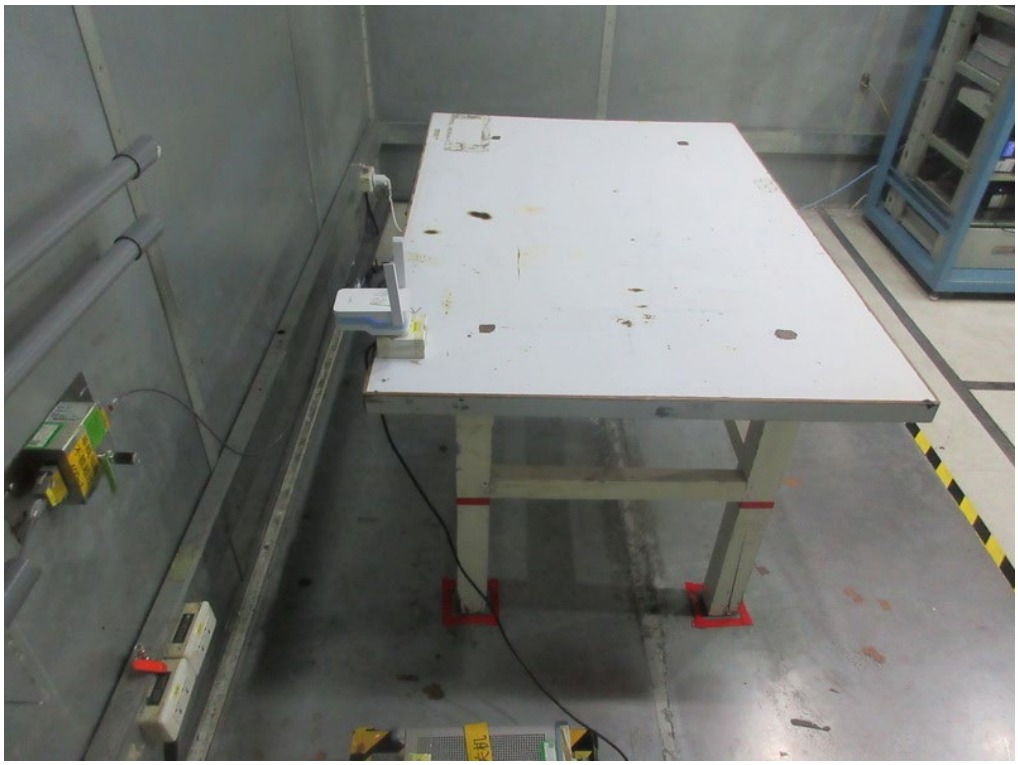
| Maximum Output Power | | | | | |
|---|---|---|---|---|---|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Peak Power Analyzer | Keysight | 8990B | MY51000506 | Jun. 17, 2024 |
| 2 | Wideband power sensor | Keysight | N1923A | MY58310004 | Jun. 17, 2024 |
| 3 | Attenuator | Talent Microwave | TA10A2-S-18 | N/A | N/A |

| Frequency Stability | | | | | |
|---|---|---|---|---|---|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Table top type high and low temperature test chamber | CEPREI | CEEC-M64T-40 | 15-008 | Dec. 22, 2024 |
| 2 | Cable | Woke | S02-181212-064 | N/A | N/A |
| 3 | Contact type voltage regulator | SAKO | TDGC2 | N/A | Jul. 07, 2024 |
| 4 | Spectrum Analyzer | R&S | FSP38 | 100852 | Jun. 16, 2024 |
| 5 | Attenuator | Talent Microwave | TA10A0-S-26.5 | N/A | N/A |
| 6 | DC Block | N/A | N/A | N/A | N/A |
| 7 | Measurement Software | BTL | BTL Conducted Test | N/A | N/A |
| 8 | Attenuator | Talent Microwave | TA10A0-S-26.5 | N/A | N/A |

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

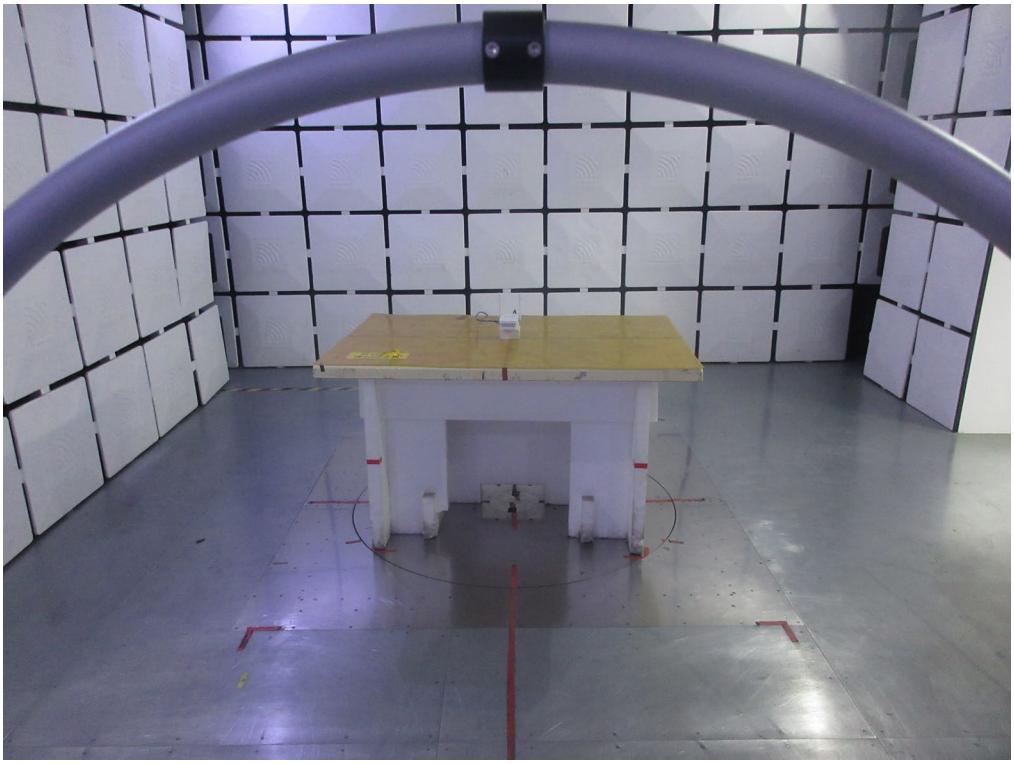
## 11. EUT TEST PHOTOS

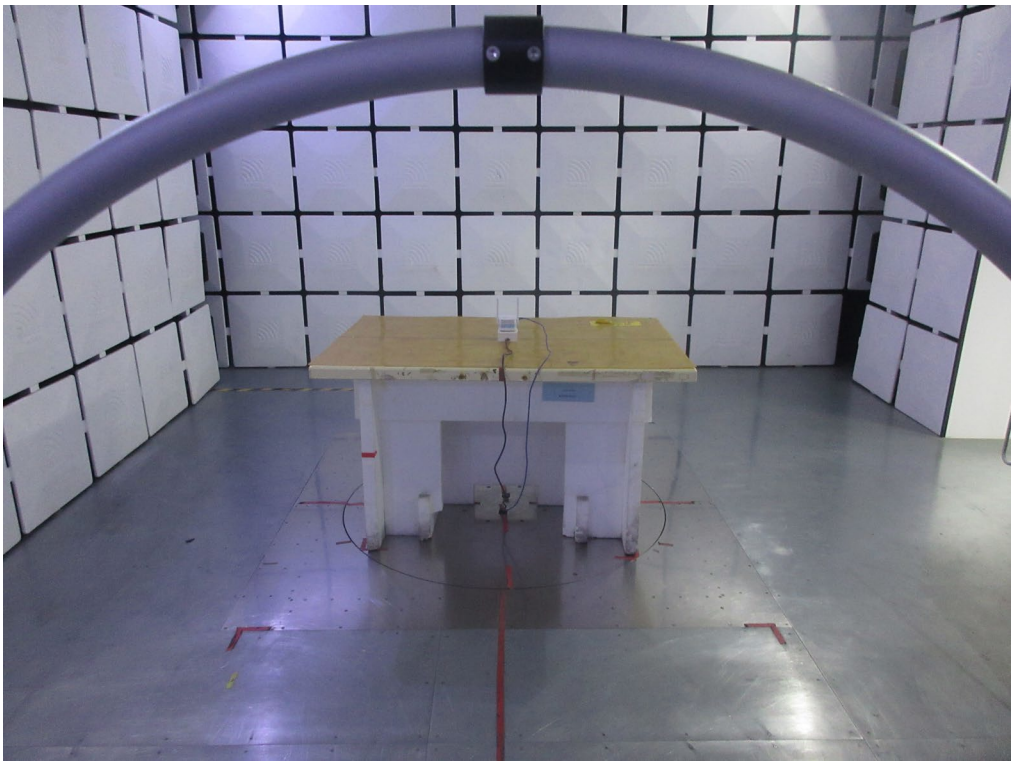
**AC Power Line Conducted Emissions Test Photos**



**Radiated Emissions Test Photos**

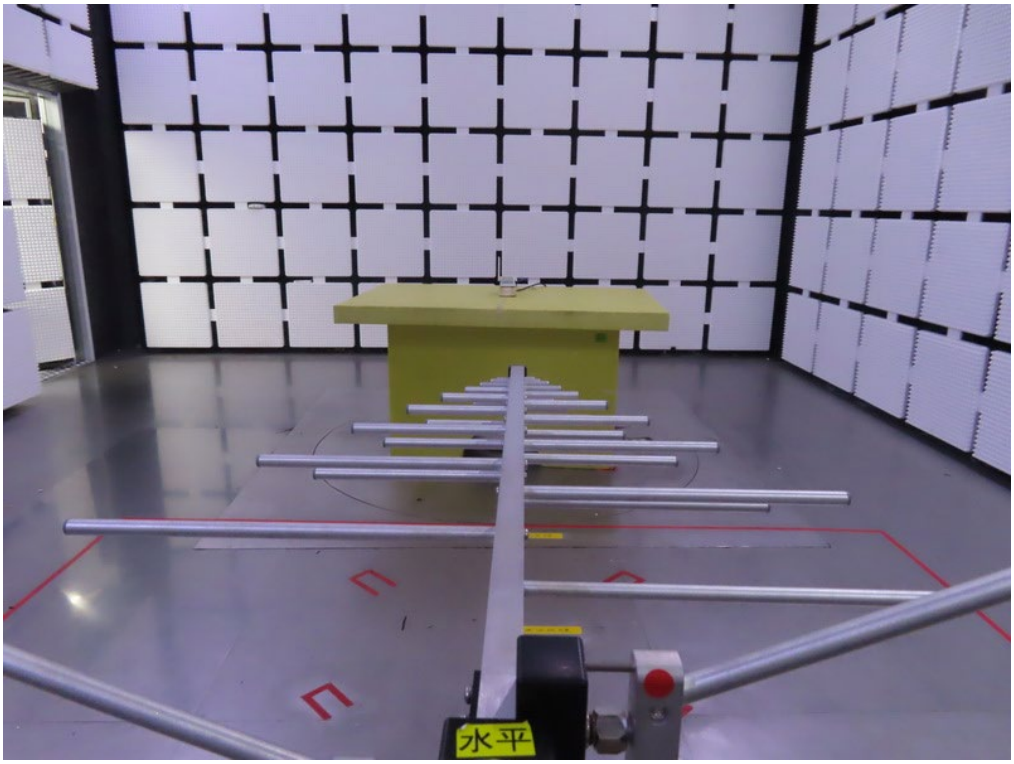
**9 kHz to 30 MHz**

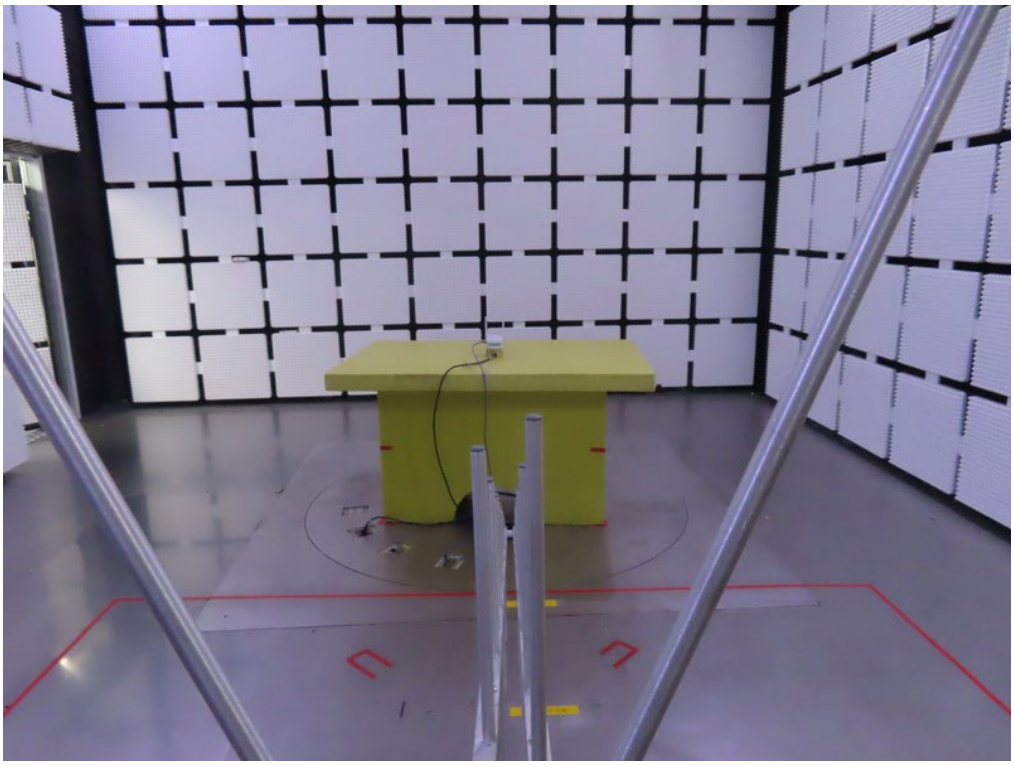




**Radiated Emissions Test Photos**

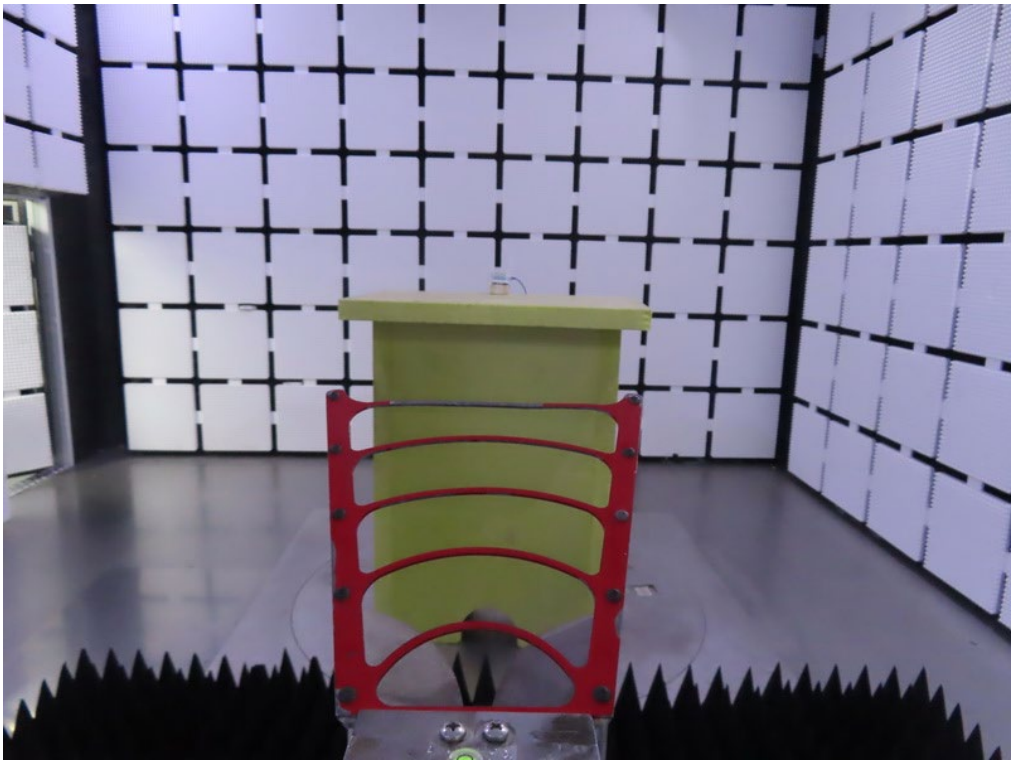
**30 MHz to 1 GHz**

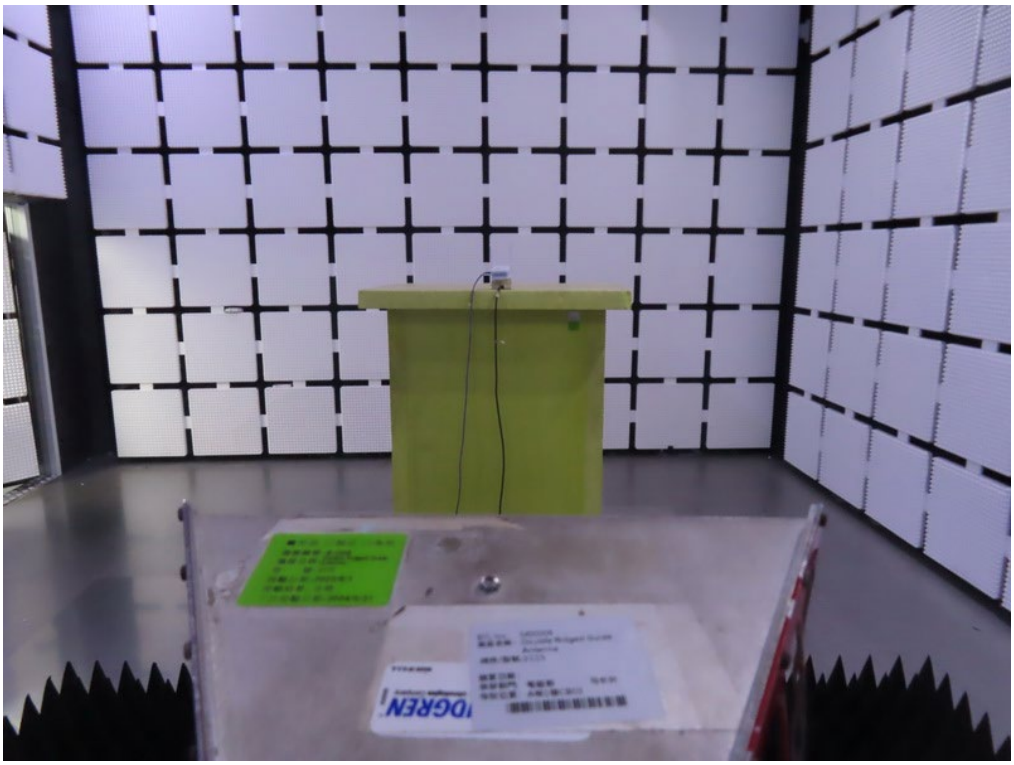


**Radiated Emissions Test Photos**

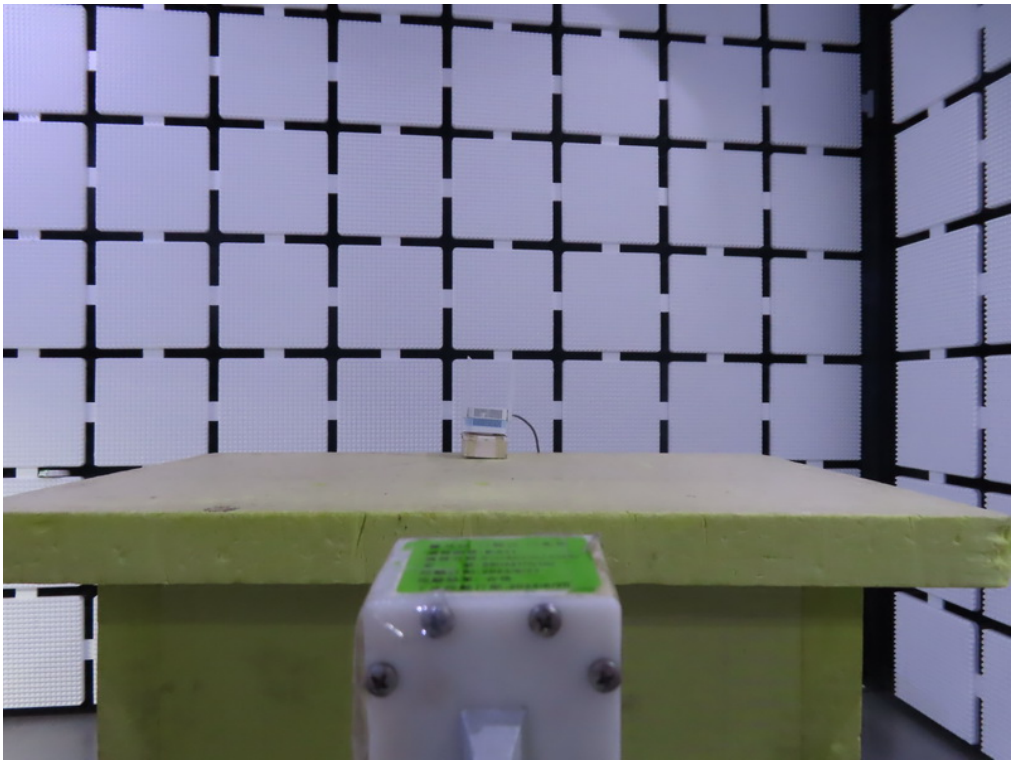
**Band edge & Harmonic (1 GHz to 18 GHz)**

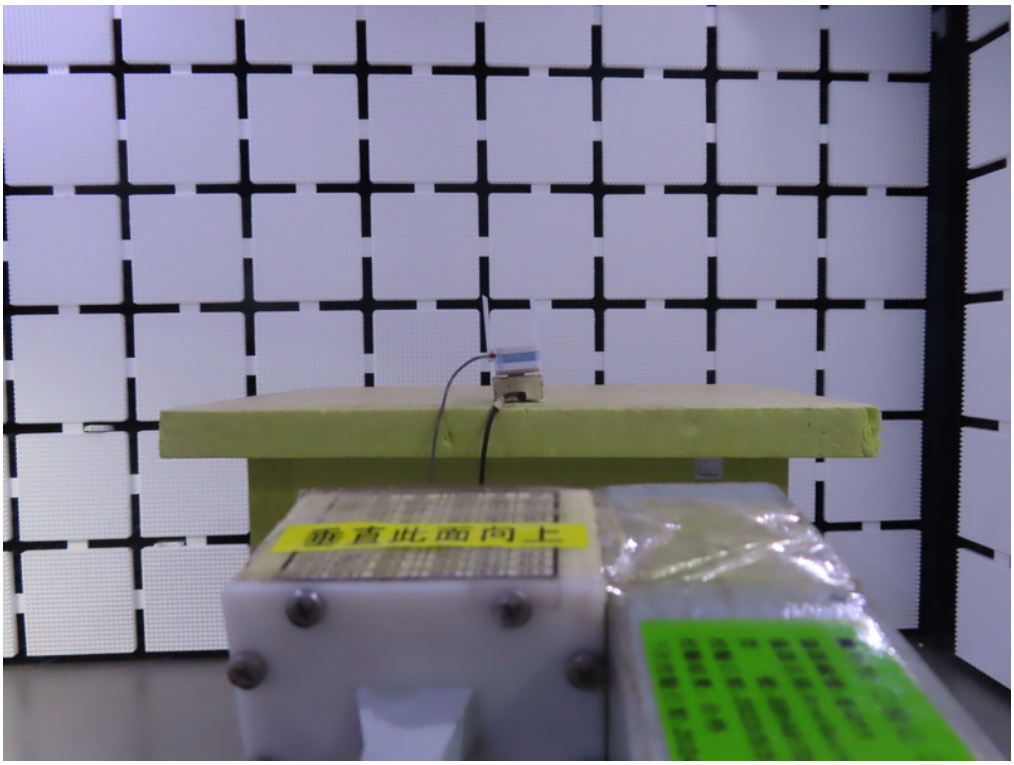




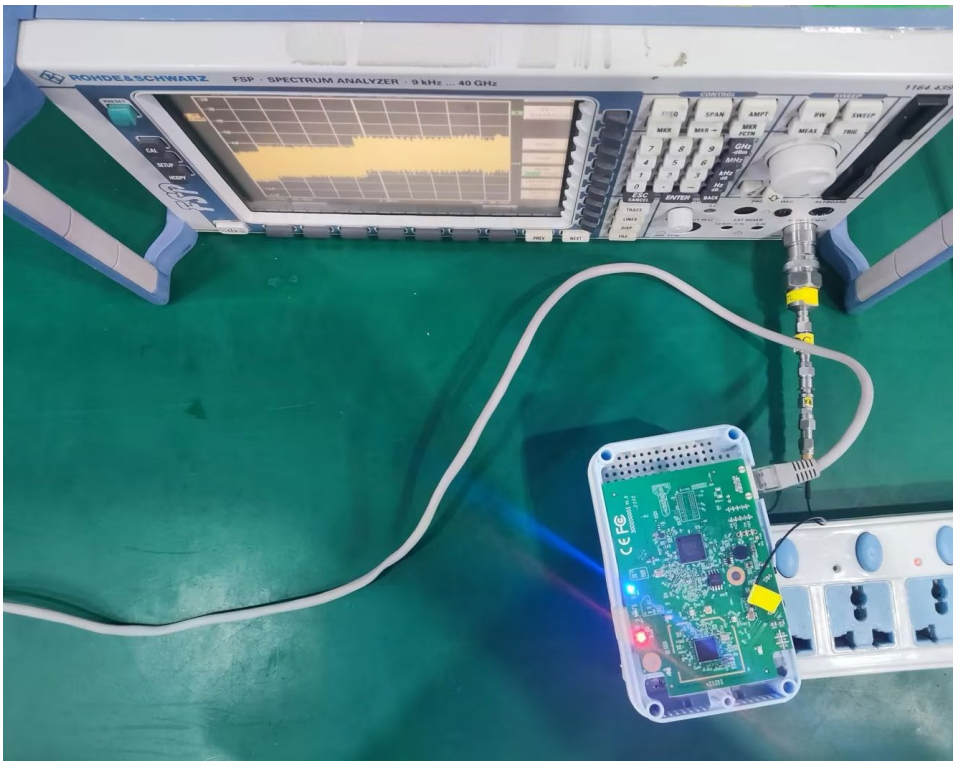
**Radiated Emissions Test Photos**

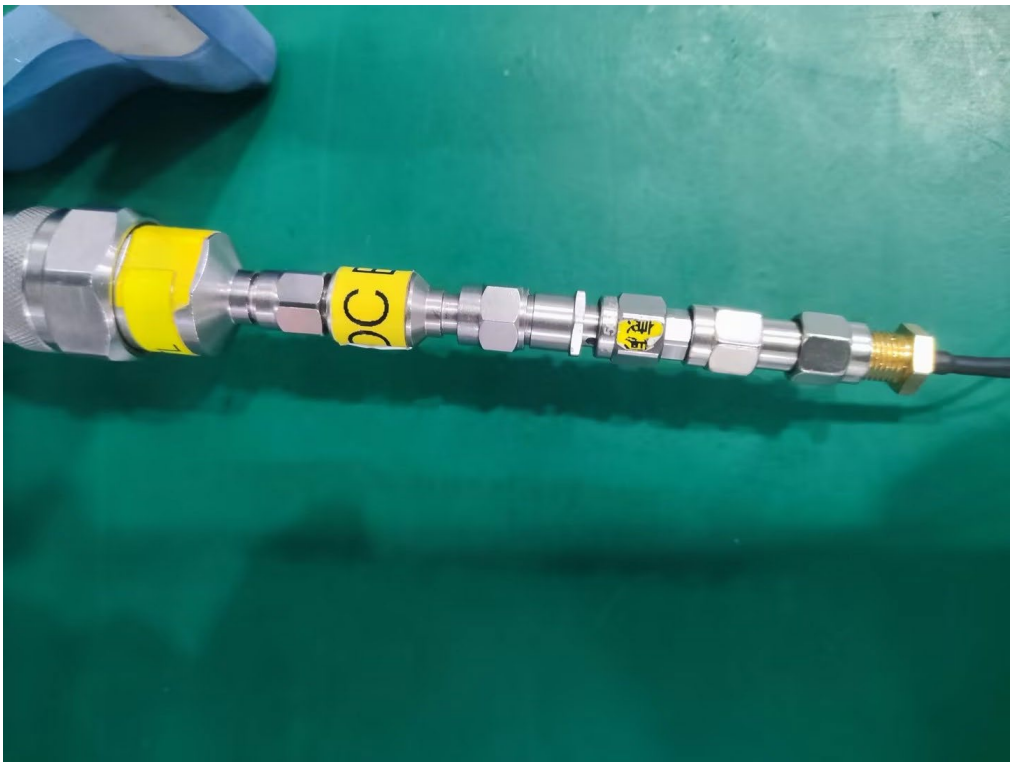
**Harmonic (18 GHz to 26.5 GHz)**





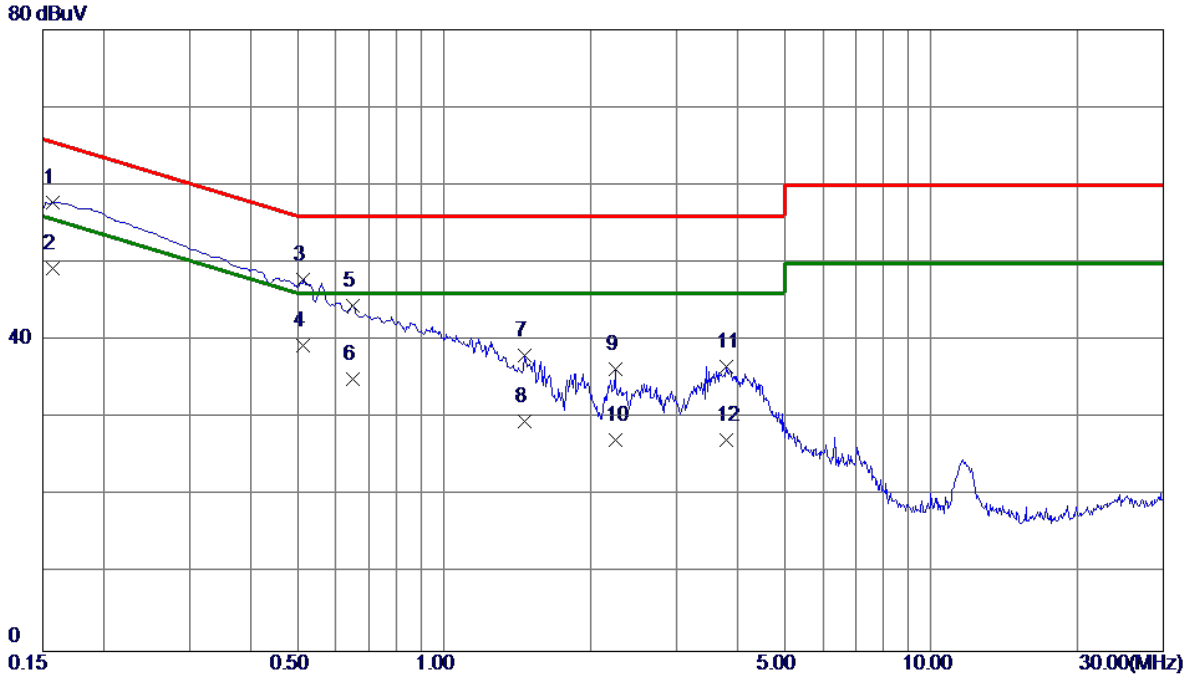
**Conducted Test Photos**



# APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

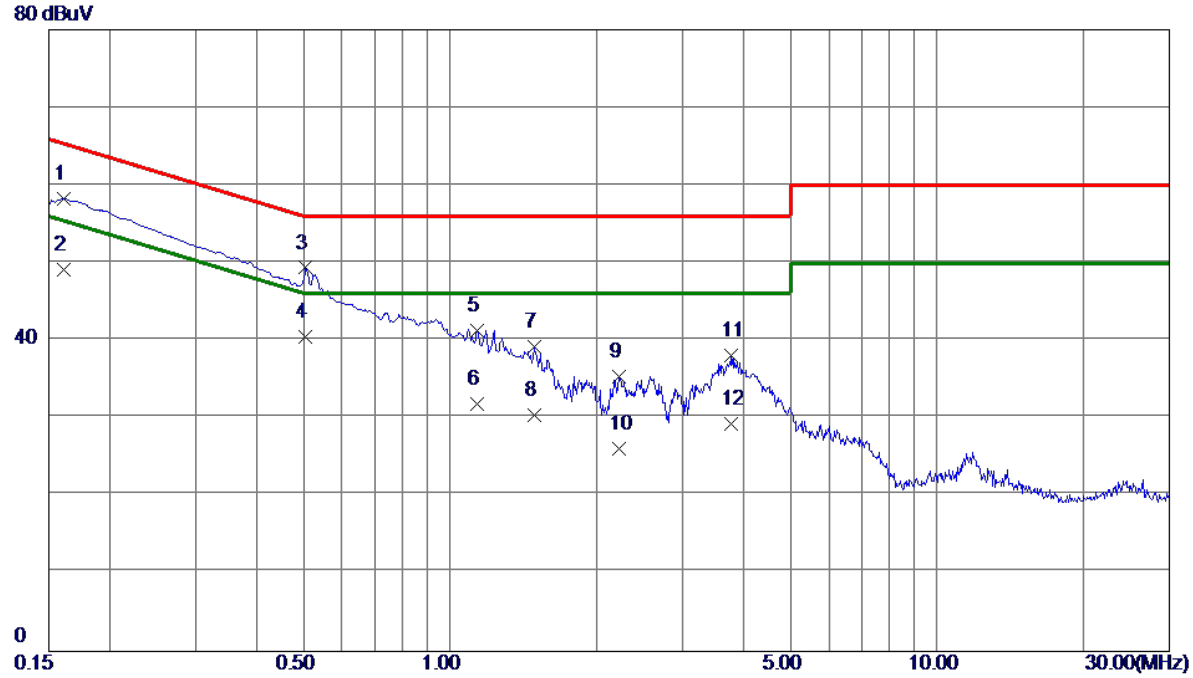
| Test Mode | TX AC(VHT20) Mode Channel 165 (UNII-3) | Phase | Line |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | 0.1568 | 48.00 | 9.74 | 57.74 | 65.63 | -7.89 | QP | |
| 2 * | 0.1568 | 39.60 | 9.74 | 49.34 | 55.63 | -6.29 | AVG | |
| 3 | 0.5144 | 38.13 | 9.79 | 47.92 | 56.00 | -8.08 | QP | |
| 4 | 0.5144 | 29.50 | 9.79 | 39.29 | 46.00 | -6.71 | AVG | |
| 5 | 0.6495 | 34.72 | 9.79 | 44.51 | 56.00 | -11.49 | QP | |
| 6 | 0.6495 | 25.30 | 9.79 | 35.09 | 46.00 | -10.91 | AVG | |
| 7 | 1.4640 | 28.25 | 9.83 | 38.08 | 56.00 | -17.92 | QP | |
| 8 | 1.4640 | 19.70 | 9.83 | 29.53 | 46.00 | -16.47 | AVG | |
| 9 | 2.2448 | 26.42 | 9.87 | 36.29 | 56.00 | -19.71 | QP | |
| 10 | 2.2448 | 17.39 | 9.87 | 27.26 | 46.00 | -18.74 | AVG | |
| 11 | 3.8063 | 26.76 | 9.94 | 36.70 | 56.00 | -19.30 | QP | |
| 12 | 3.8063 | 17.20 | 9.94 | 27.14 | 46.00 | -18.86 | AVG | |

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

| Test Mode | TX AC(VHT20) Mode Channel 165 (UNII-3) | Phase | Neutral |
|---|---|---|---|

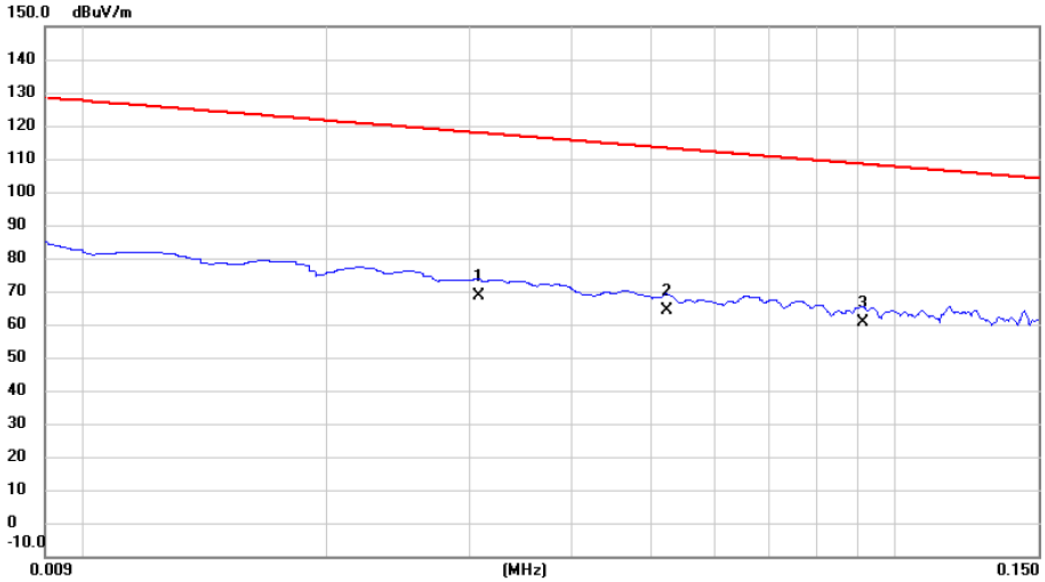



| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | 0.1613 | 48.68 | 9.59 | 58.27 | 65.40 | -7.13 | QP | |
| 2 | 0.1613 | 39.60 | 9.59 | 49.19 | 55.40 | -6.21 | AVG | |
| 3 | 0.5055 | 39.71 | 9.65 | 49.36 | 56.00 | -6.64 | QP | |
| 4 * | 0.5055 | 30.80 | 9.65 | 40.45 | 46.00 | -5.55 | AVG | |
| 5 | 1.1377 | 31.62 | 9.68 | 41.30 | 56.00 | -14.70 | QP | |
| 6 | 1.1377 | 22.10 | 9.68 | 31.78 | 46.00 | -14.22 | AVG | |
| 7 | 1.4910 | 29.49 | 9.69 | 39.18 | 56.00 | -16.82 | QP | |
| 8 | 1.4910 | 20.70 | 9.69 | 30.39 | 46.00 | -15.61 | AVG | |
| 9 | 2.2268 | 25.69 | 9.72 | 35.41 | 56.00 | -20.59 | QP | |
| 10 | 2.2268 | 16.39 | 9.72 | 26.11 | 46.00 | -19.89 | AVG | |
| 11 | 3.7860 | 28.23 | 9.79 | 38.02 | 56.00 | -17.98 | QP | |
| 12 | 3.7860 | 19.50 | 9.79 | 29.29 | 46.00 | -16.71 | AVG | |

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

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

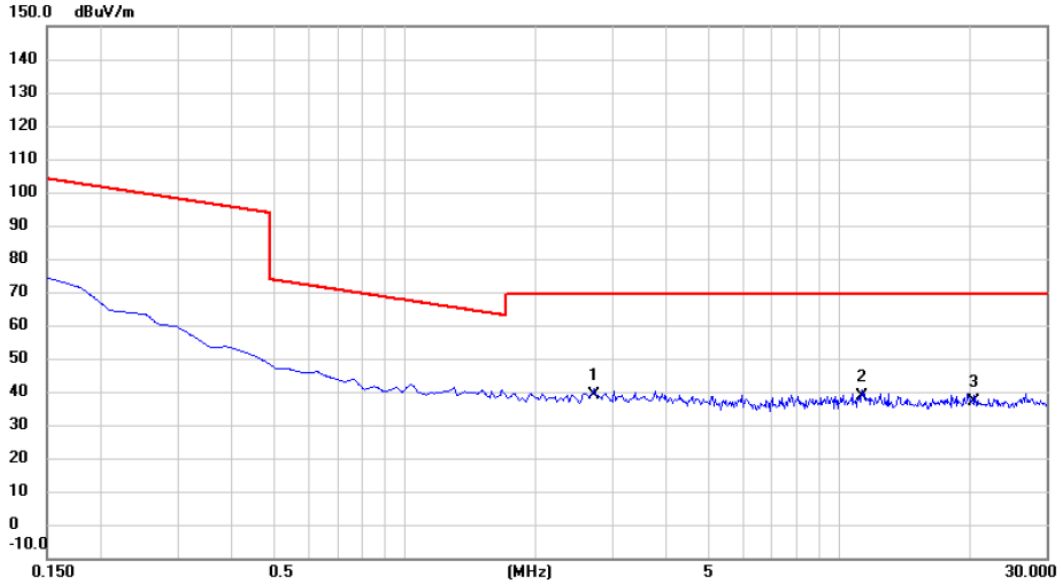
| Test Mode | TX AC(VHT20) Mode Channel 165 (UNII-3) | Polarization | Ant 0° |
|---|---|---|---|




| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 0.0307 | 47.56 | 21.10 | 68.66 | 117.86 | -49.20 | AVG | |
| 2 | | 0.0523 | 43.03 | 21.21 | 64.24 | 113.23 | -48.99 | AVG | |
| 3 | * | 0.0912 | 39.09 | 21.33 | 60.42 | 108.41 | -47.99 | QP | |

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

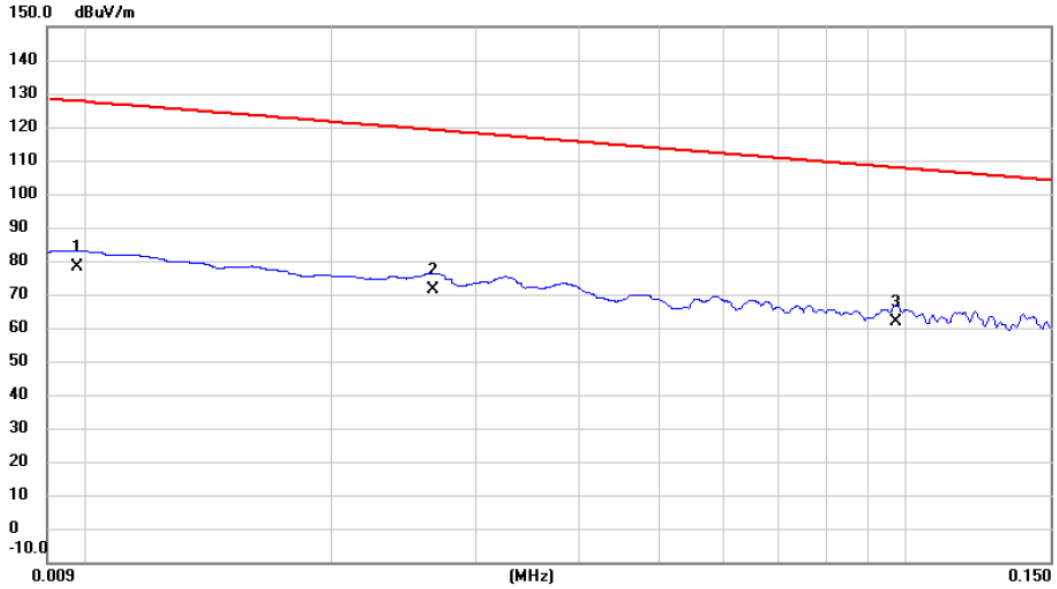
| Test Mode | TX AC(VHT20) Mode Channel 165 (UNII-3) | Polarization | Ant 0° |
|---|---|---|---|




| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 2.7320 | 17.84 | 21.11 | 38.95 | 69.54 | -30.59 | QP | |
| 2 | | 11.2691 | 17.44 | 21.16 | 38.60 | 69.54 | -30.94 | QP | |
| 3 | | 20.4780 | 15.62 | 21.36 | 36.98 | 69.54 | -32.56 | QP | |

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

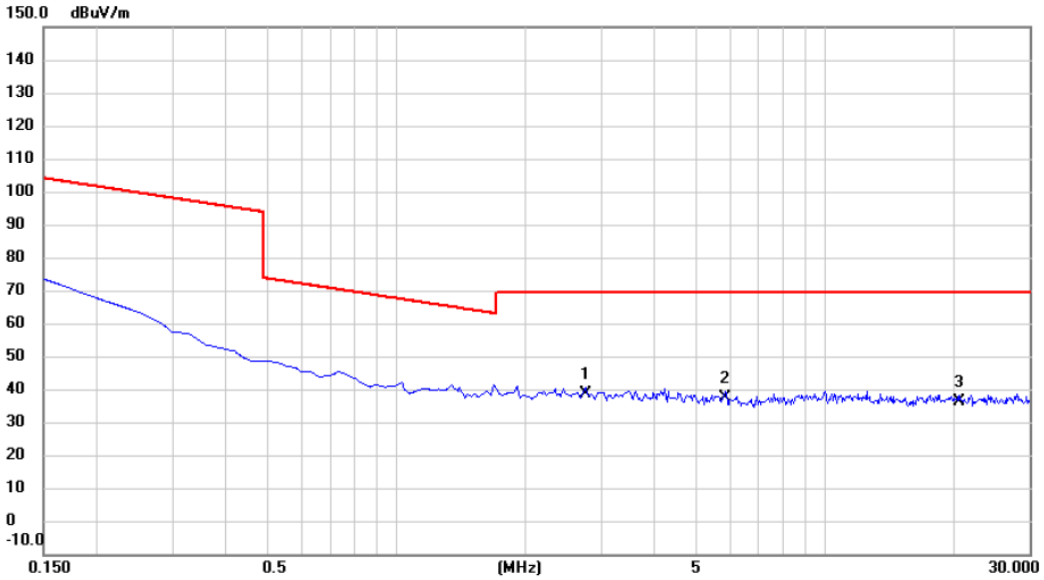
| Test Mode | TX AC(VHT20) Mode Channel 165 (UNII-3) | Polarization | Ant 90° |
|---|---|---|---|




| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 0.0098 | 57.55 | 20.48 | 78.03 | 127.78 | -49.75 | AVG | |
| 2 | | 0.0266 | 50.40 | 21.00 | 71.40 | 119.11 | -47.71 | AVG | |
| 3 | * | 0.0974 | 40.61 | 21.33 | 61.94 | 107.83 | -45.89 | QP | |

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

| Test Mode | TX AC(VHT20) Mode Channel 165 (UNII-3) | Polarization | Ant 90° |
|---|---|---|---|

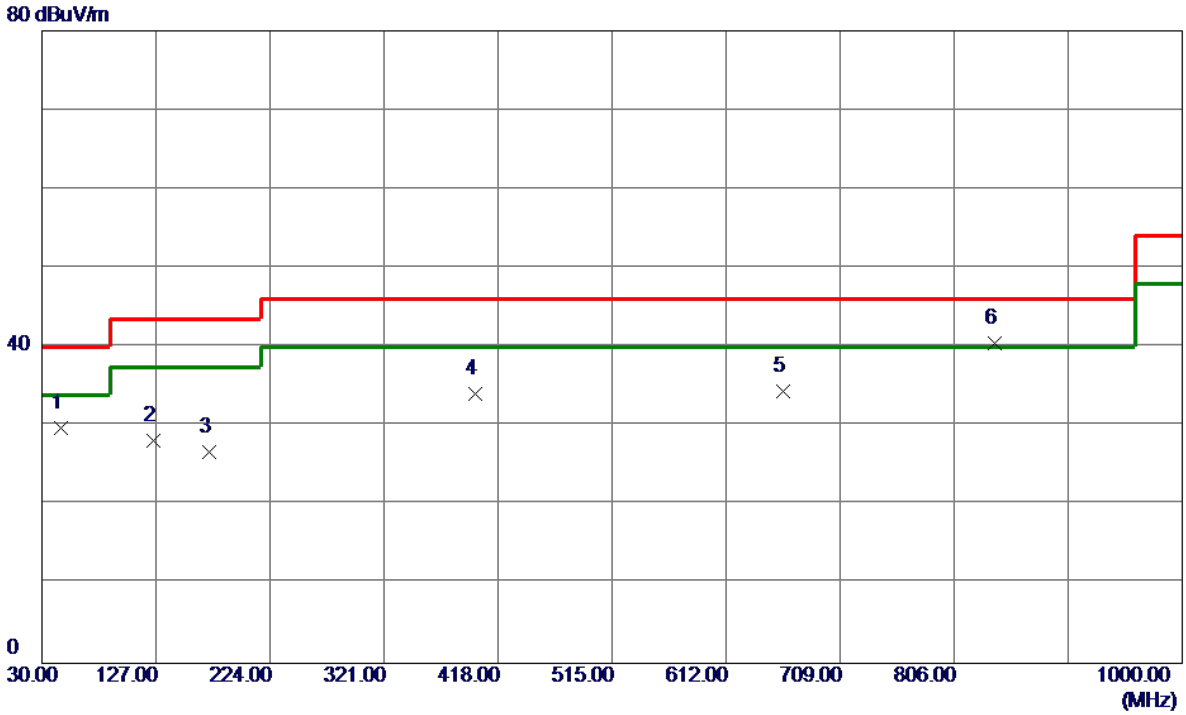



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 2.7618 | 17.33 | 21.11 | 38.44 | 69.54 | -31.10 | QP | |
| 2 | | 5.8662 | 16.15 | 21.16 | 37.31 | 69.54 | -32.23 | QP | |
| 3 | | 20.6121 | 14.76 | 21.38 | 36.14 | 69.54 | -33.40 | QP | |

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

# APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

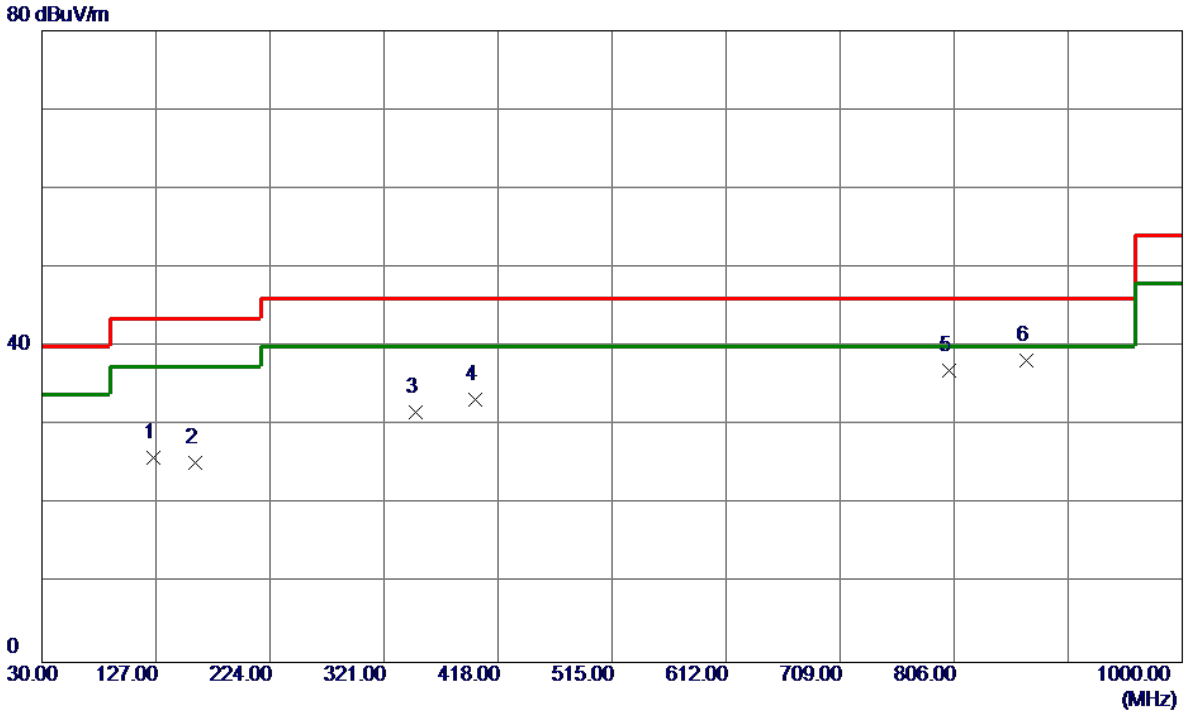
| Test Mode | TX AC(VHT20) Mode Channel 165 (UNII-3) | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 46.0050 | 41.07 | -11.34 | 29.73 | 40.00 | -10.27 | Peak | |
| 2 | 125.0600 | 41.00 | -12.84 | 28.16 | 43.50 | -15.34 | Peak | |
| 3 | 172.1050 | 38.23 | -11.52 | 26.71 | 43.50 | -16.79 | Peak | |
| 4 | 398.6000 | 42.28 | -8.17 | 34.11 | 46.00 | -11.89 | Peak | |
| 5 | 660.0150 | 37.29 | -2.88 | 34.41 | 46.00 | -11.59 | Peak | |
| 6 * | 840.4350 | 41.20 | -0.73 | 40.47 | 46.00 | -5.53 | Peak | |

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

| Test Mode | TX AC(VHT20) Mode Channel 165 (UNII-3) | Polarization | Horizontal |
|---|---|---|---|

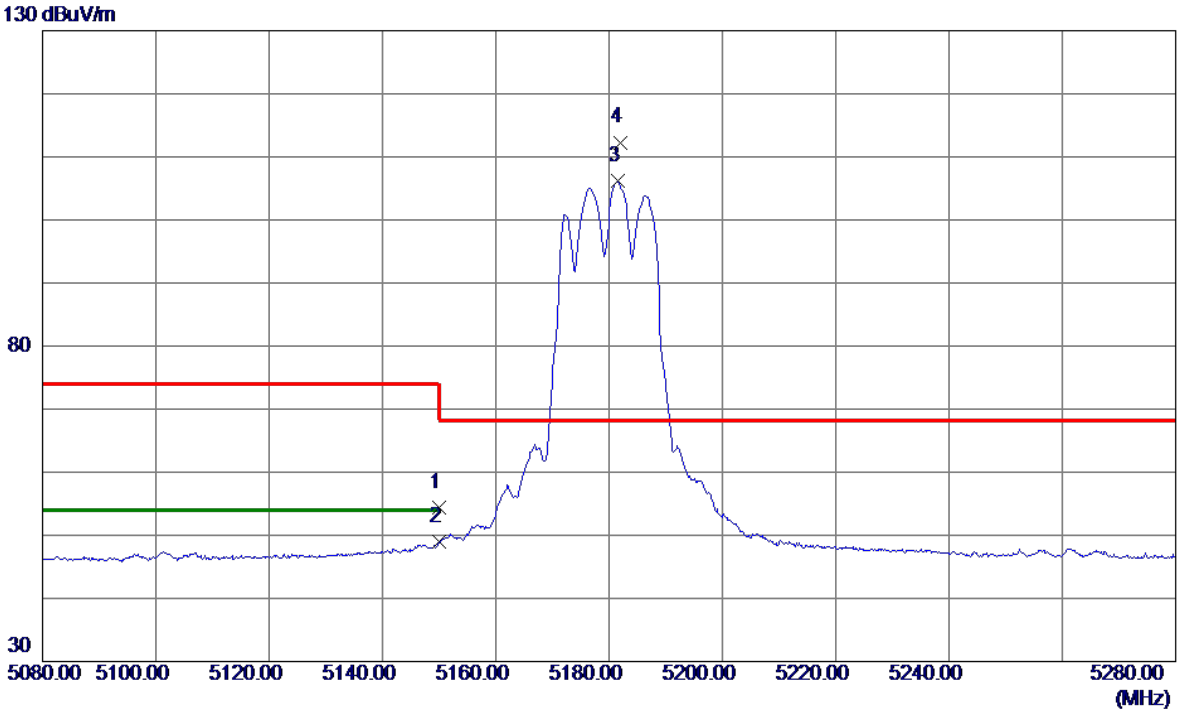



| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 125.0600 | 38.71 | -12.84 | 25.87 | 43.50 | -17.63 | Peak | |
| 2 | 160.4650 | 36.18 | -10.92 | 25.26 | 43.50 | -18.24 | Peak | |
| 3 | 347.6750 | 41.19 | -9.56 | 31.63 | 46.00 | -14.37 | Peak | |
| 4 | 398.6000 | 41.48 | -8.17 | 33.31 | 46.00 | -12.69 | Peak | |
| 5 | 801.6350 | 38.34 | -1.40 | 36.94 | 46.00 | -9.06 | Peak | |
| 6 * | 867.1100 | 38.58 | -0.33 | 38.25 | 46.00 | -7.75 | Peak | |

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

# APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

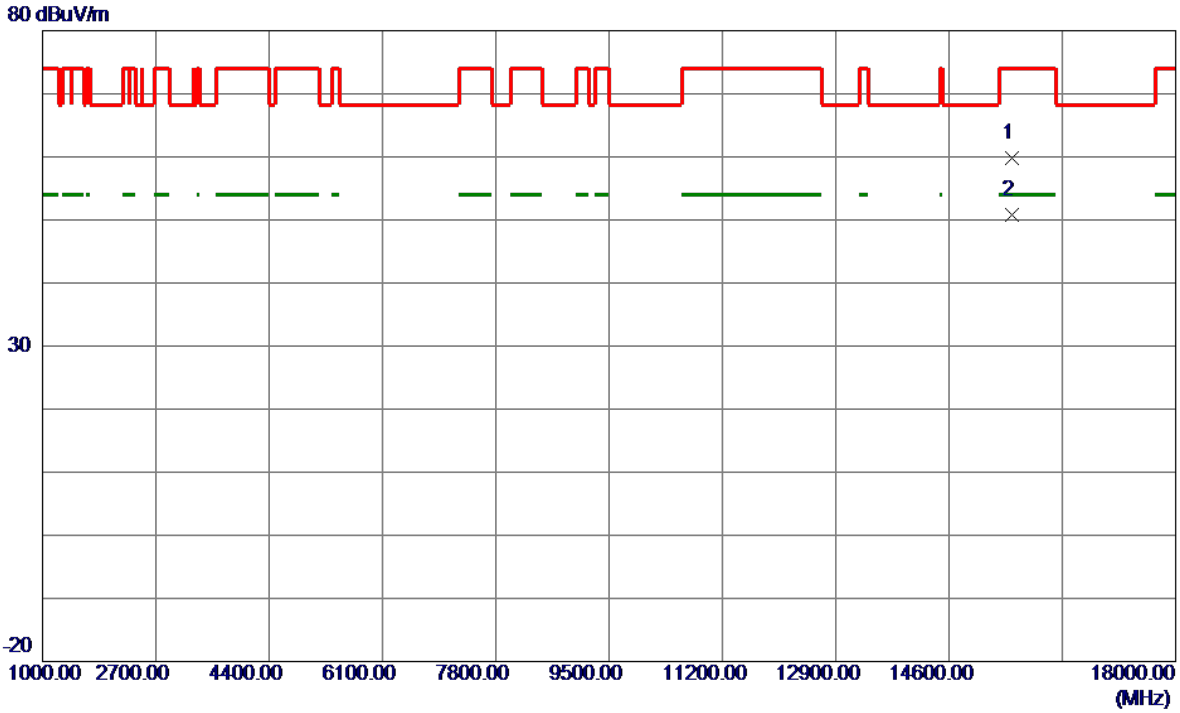
| Test Mode | UNII-1_TX A Mode 5180 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5150.0000 | 42.89 | 11.54 | 54.43 | 74.00 | -19.57 | Peak | |
| 2 | 5150.0000 | 37.46 | 11.54 | 49.00 | 54.00 | -5.00 | AVG | |
| 3 | 5181.6000 | 94.59 | 11.60 | 106.19 | 999.00 | -892.81 | AVG | No Limit |
| 4 * | 5181.9000 | 100.70 | 11.60 | 112.30 | 68.20 | 44.10 | Peak | No Limit |

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

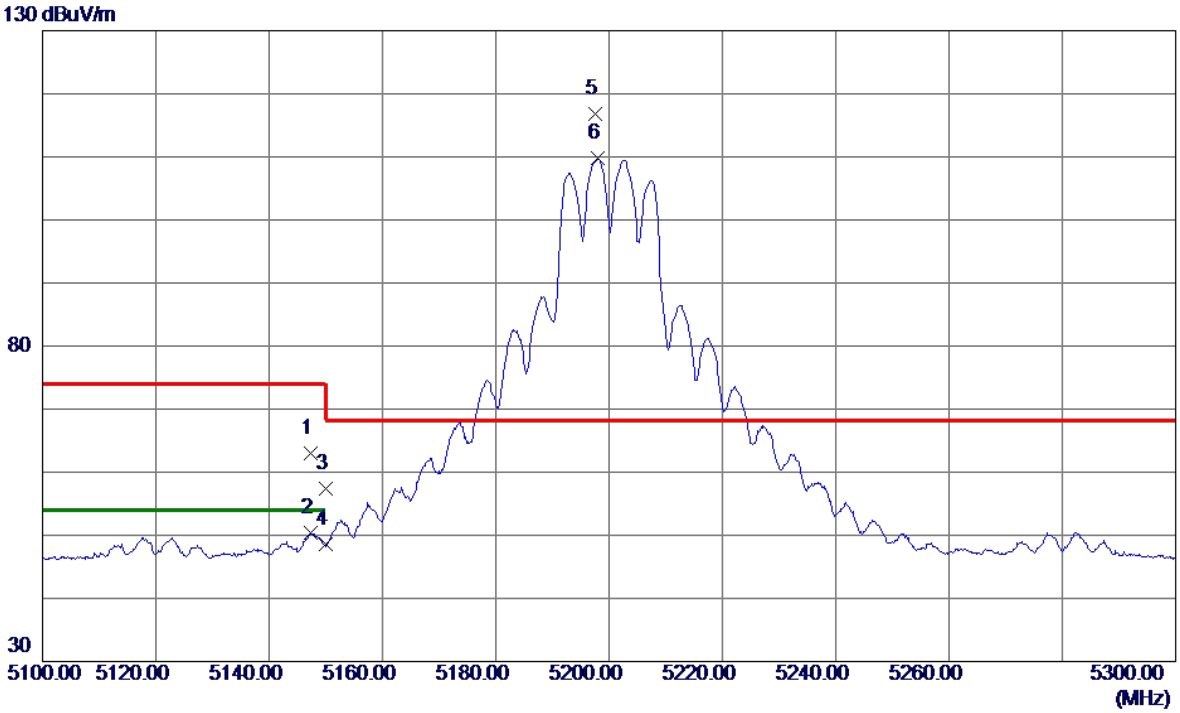
| Test Mode | UNII-1_TX A Mode 5180 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 15537.2000 | 52.34 | 7.54 | 59.88 | 74.00 | -14.12 | Peak | |
| 2 * | 15542.4500 | 43.26 | 7.55 | 50.81 | 54.00 | -3.19 | AVG | |

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

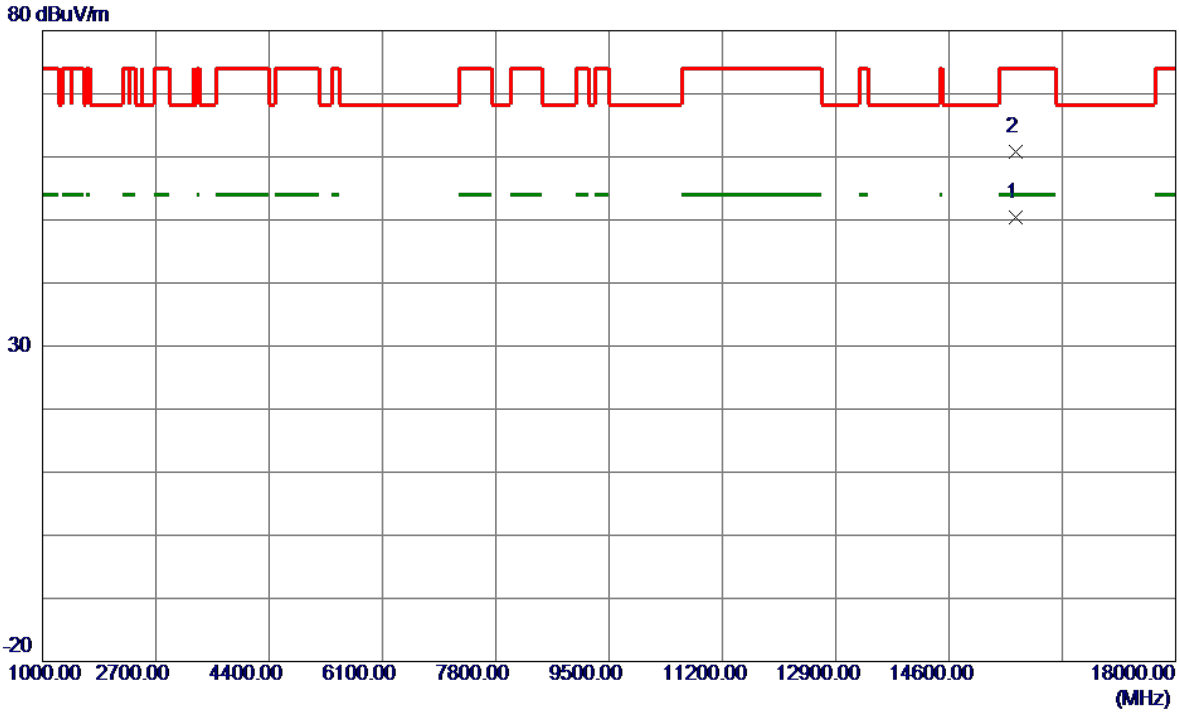
| Test Mode | UNII-1_TX A Mode 5200 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5147.4000 | 51.43 | 11.53 | 62.96 | 74.00 | -11.04 | Peak | |
| 2 | 5147.4000 | 38.78 | 11.53 | 50.31 | 54.00 | -3.69 | AVG | |
| 3 | 5150.0000 | 45.79 | 11.54 | 57.33 | 74.00 | -16.67 | Peak | |
| 4 | 5150.0000 | 37.06 | 11.54 | 48.60 | 54.00 | -5.40 | AVG | |
| 5 * | 5197.5000 | 105.06 | 11.64 | 116.70 | 68.20 | 48.50 | Peak | No Limit |
| 6 | 5198.1000 | 98.07 | 11.64 | 109.71 | 999.00 | -889.29 | AVG | No Limit |

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

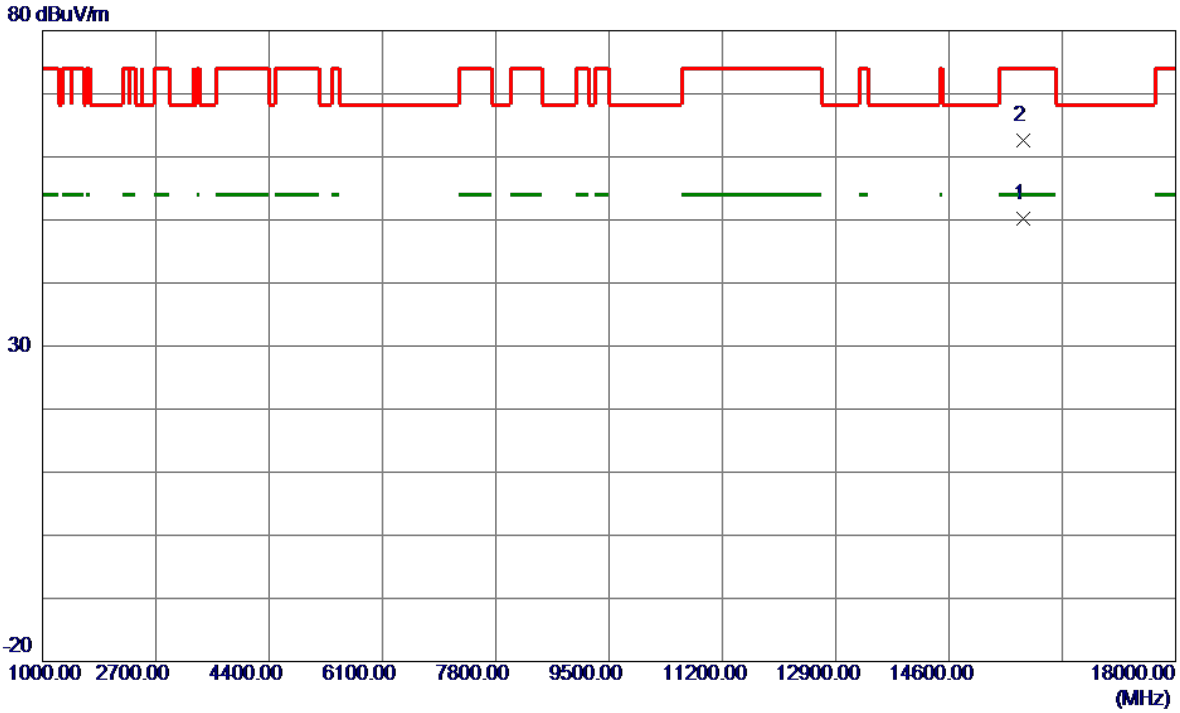
| Test Mode | UNII-1_TX A Mode 5200 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 15596.2500 | 42.88 | 7.59 | 50.47 | 54.00 | -3.53 | AVG | |
| 2 | 15601.9250 | 53.27 | 7.60 | 60.87 | 74.00 | -13.13 | Peak | |

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

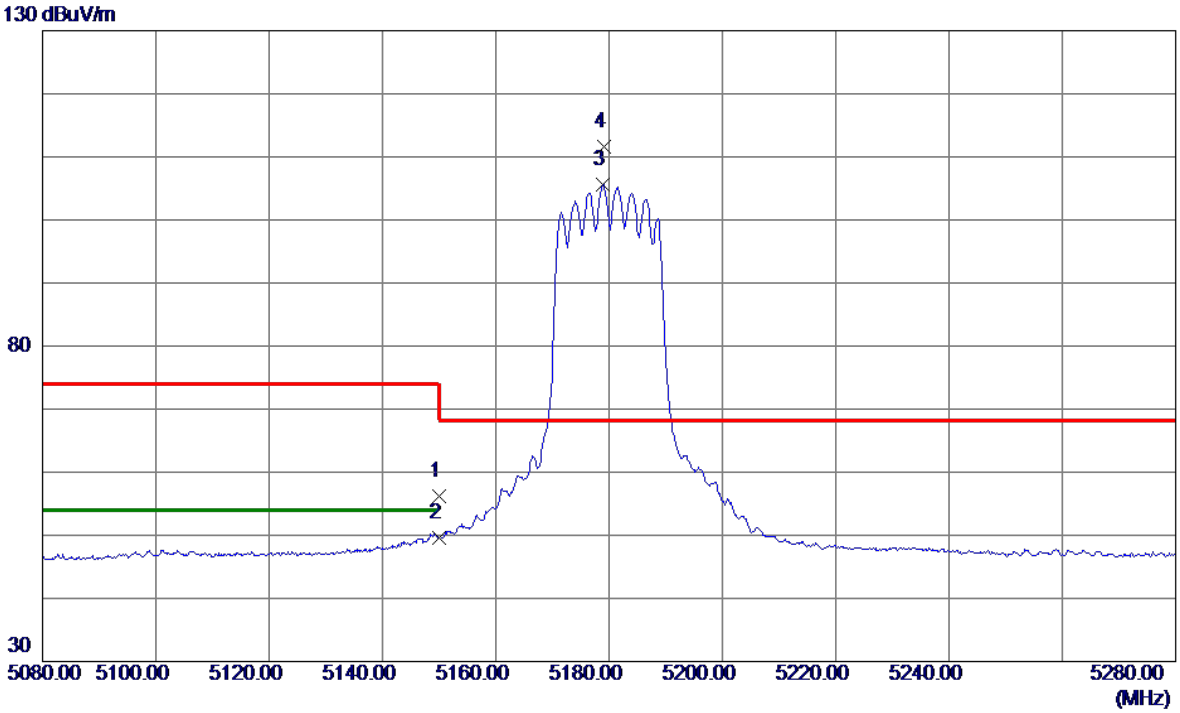
| Test Mode | UNII-1_TX A Mode 5240 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 15716.1250 | 42.51 | 7.69 | 50.20 | 54.00 | -3.80 | AVG | |
| 2 | 15716.5000 | 54.85 | 7.69 | 62.54 | 74.00 | -11.46 | Peak | |

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

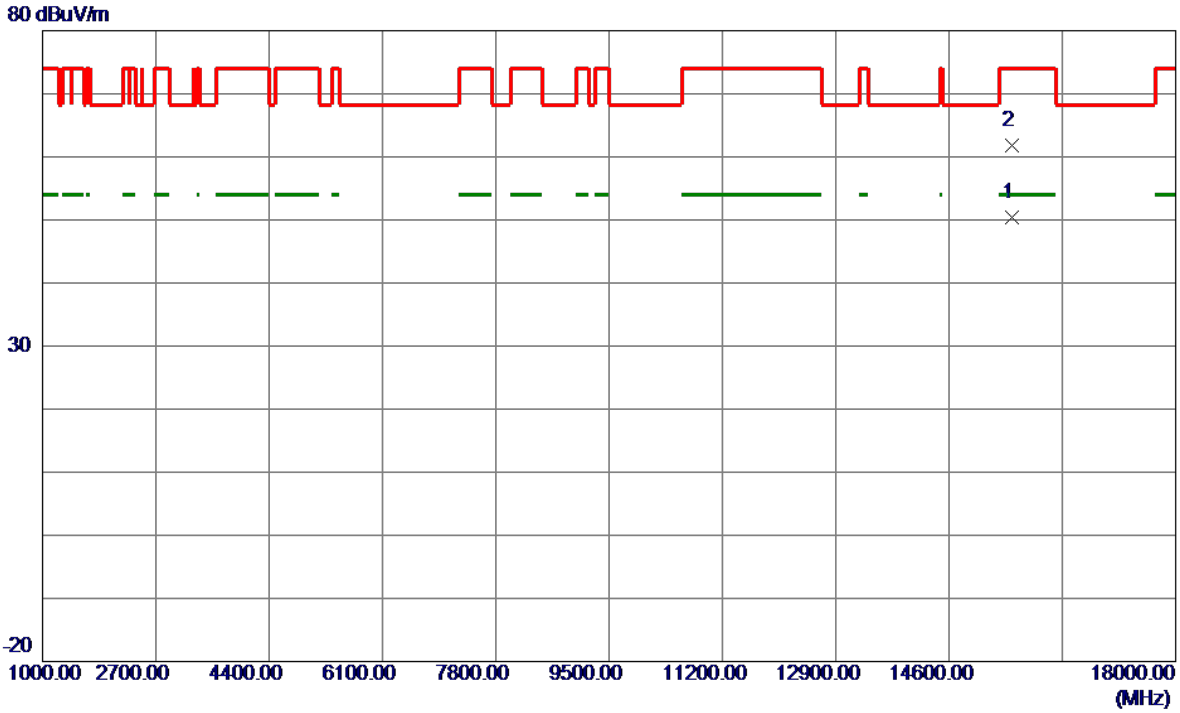
| Test Mode | UNII-1_TX AC(VHT20) Mode 5180 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5150.0000 | 44.66 | 11.54 | 56.20 | 74.00 | -17.80 | Peak | |
| 2 | 5150.0000 | 38.04 | 11.54 | 49.58 | 54.00 | -4.42 | AVG | |
| 3 | 5178.9000 | 93.98 | 11.60 | 105.58 | 999.00 | -893.42 | AVG | No Limit |
| 4 * | 5179.2000 | 100.04 | 11.60 | 111.64 | 68.20 | 43.44 | Peak | No Limit |

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

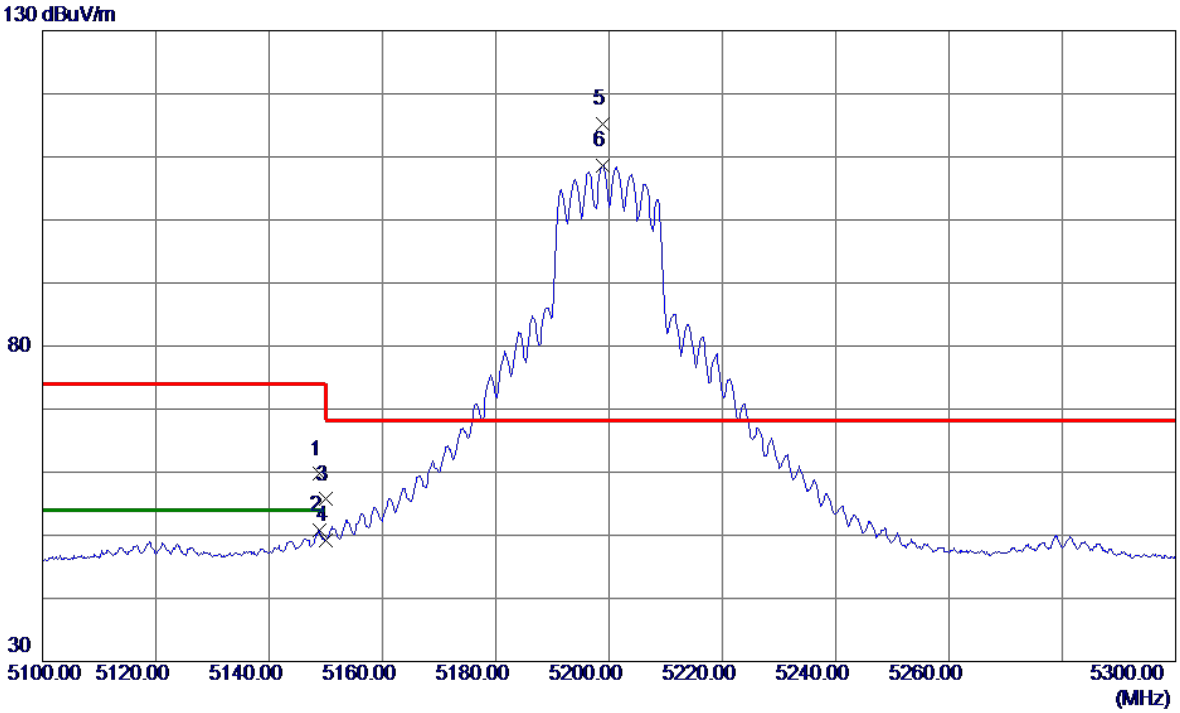
| Test Mode | UNII-1_TX AC(VHT20) Mode 5180 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 15539.1500 | 42.82 | 7.55 | 50.37 | 54.00 | -3.63 | AVG | |
| 2 | 15540.6500 | 54.34 | 7.55 | 61.89 | 74.00 | -12.11 | Peak | |

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

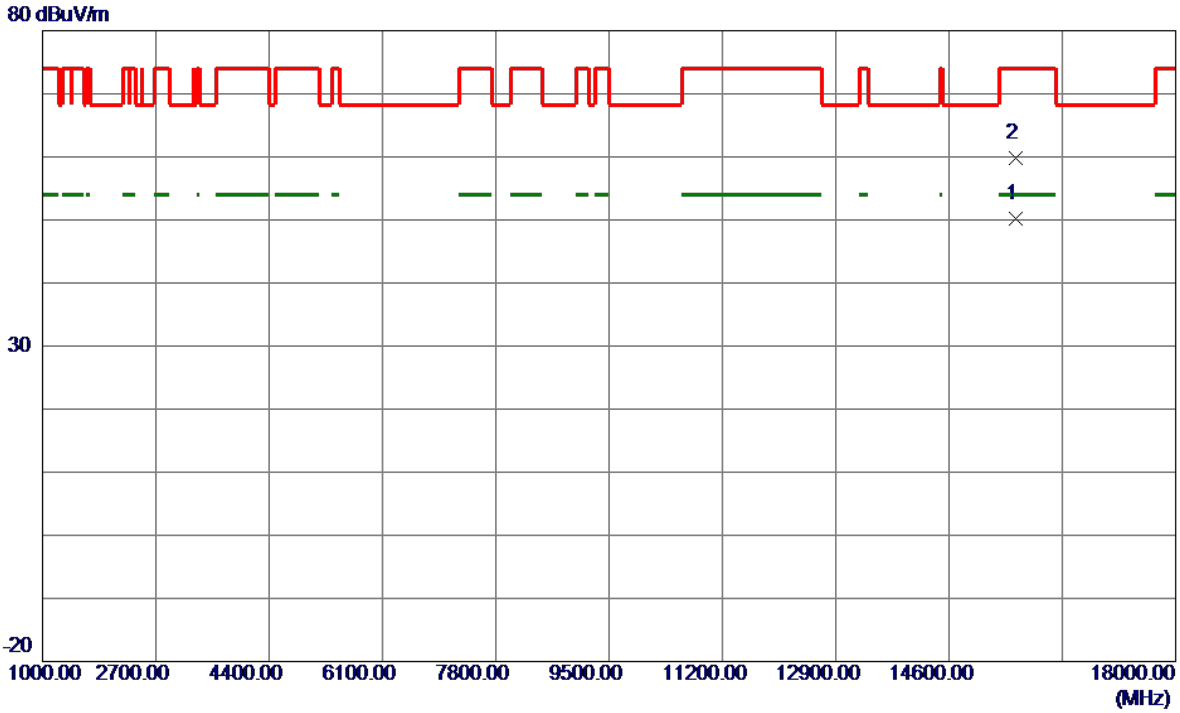
| Test Mode | UNII-1_TX AC(VHT20) Mode 5200 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5148.9000 | 48.17 | 11.53 | 59.70 | 74.00 | -14.30 | Peak | |
| 2 | 5148.9000 | 39.22 | 11.53 | 50.75 | 54.00 | -3.25 | AVG | |
| 3 | 5150.0000 | 44.16 | 11.54 | 55.70 | 74.00 | -18.30 | Peak | |
| 4 | 5150.0000 | 37.57 | 11.54 | 49.11 | 54.00 | -4.89 | AVG | |
| 5 * | 5198.8000 | 103.50 | 11.64 | 115.14 | 68.20 | 46.94 | Peak | No Limit |
| 6 | 5198.9000 | 97.04 | 11.64 | 108.68 | 999.00 | -890.32 | AVG | No Limit |

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

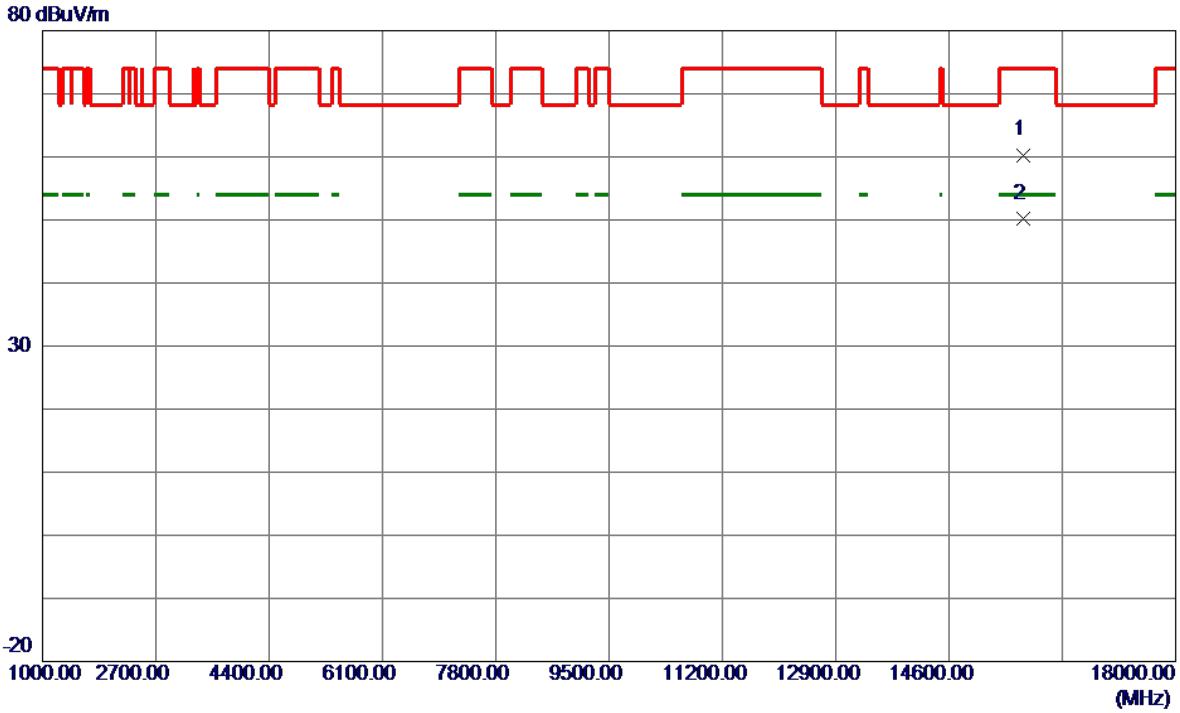
| Test Mode | UNII-1_TX AC(VHT20) Mode 5200 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 15600.3000 | 42.65 | 7.59 | 50.24 | 54.00 | -3.76 | AVG | |
| 2 | 15603.9250 | 52.16 | 7.60 | 59.76 | 74.00 | -14.24 | Peak | |

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

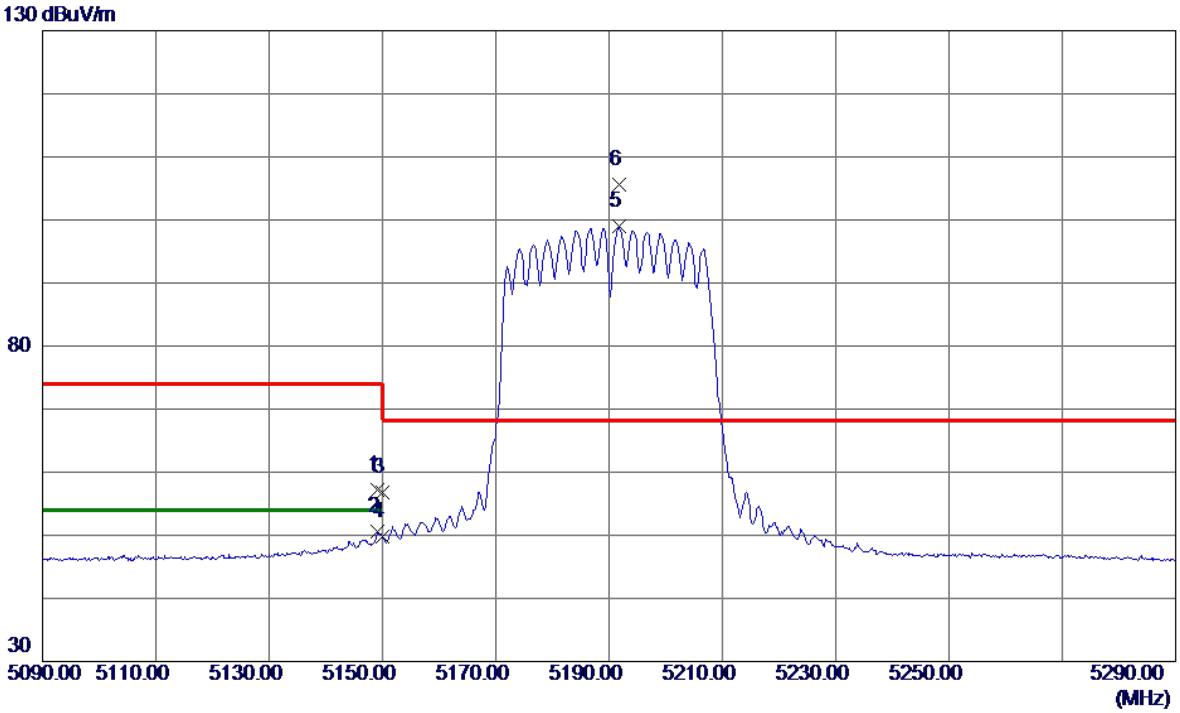
| Test Mode | UNII-1_TX AC(VHT20) Mode 5240 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 15721.8750 | 52.61 | 7.69 | 60.30 | 74.00 | -13.70 | Peak | |
| 2 * | 15722.2250 | 42.58 | 7.69 | 50.27 | 54.00 | -3.73 | AVG | |

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

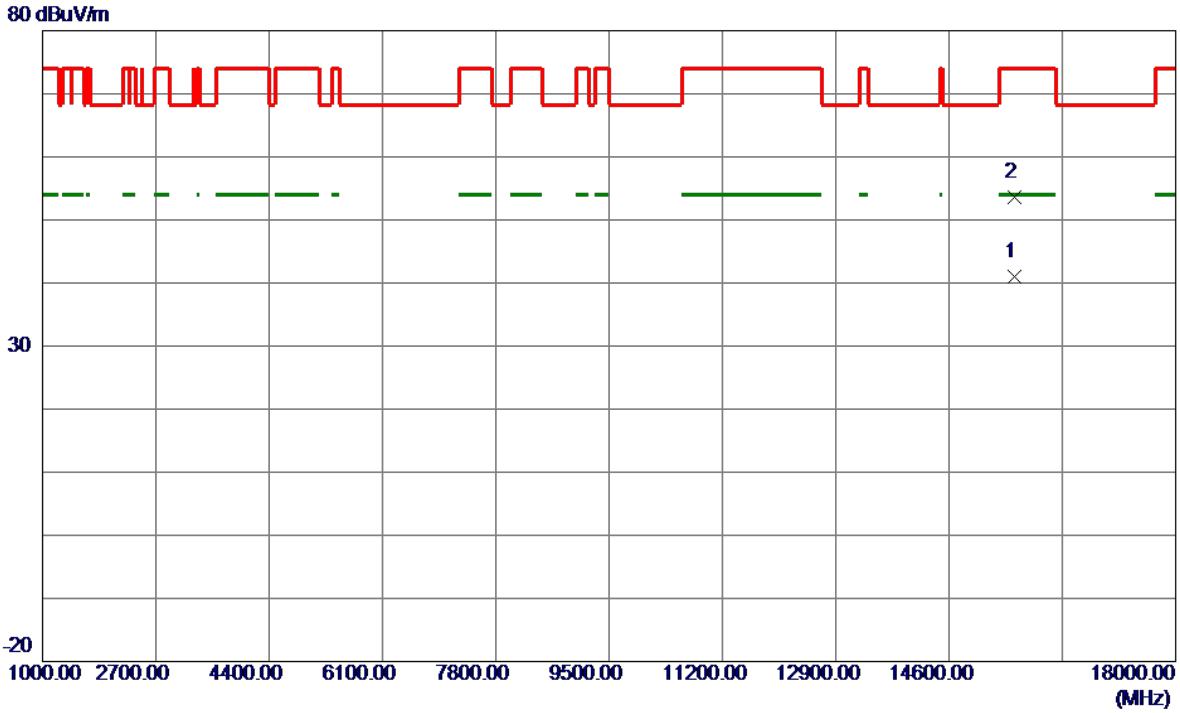
| Test Mode | UNII-1_TX AC(VHT40) Mode 5190 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5149.1000 | 45.62 | 11.53 | 57.15 | 74.00 | -16.85 | Peak | |
| 2 | 5149.1000 | 38.98 | 11.53 | 50.51 | 54.00 | -3.49 | AVG | |
| 3 | 5150.0000 | 45.26 | 11.54 | 56.80 | 74.00 | -17.20 | Peak | |
| 4 | 5150.0000 | 38.29 | 11.54 | 49.83 | 54.00 | -4.17 | AVG | |
| 5 | 5191.7000 | 87.39 | 11.62 | 99.01 | 999.00 | -899.99 | AVG | No Limit |
| 6 * | 5191.8000 | 93.95 | 11.62 | 105.57 | 68.20 | 37.37 | Peak | No Limit |

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

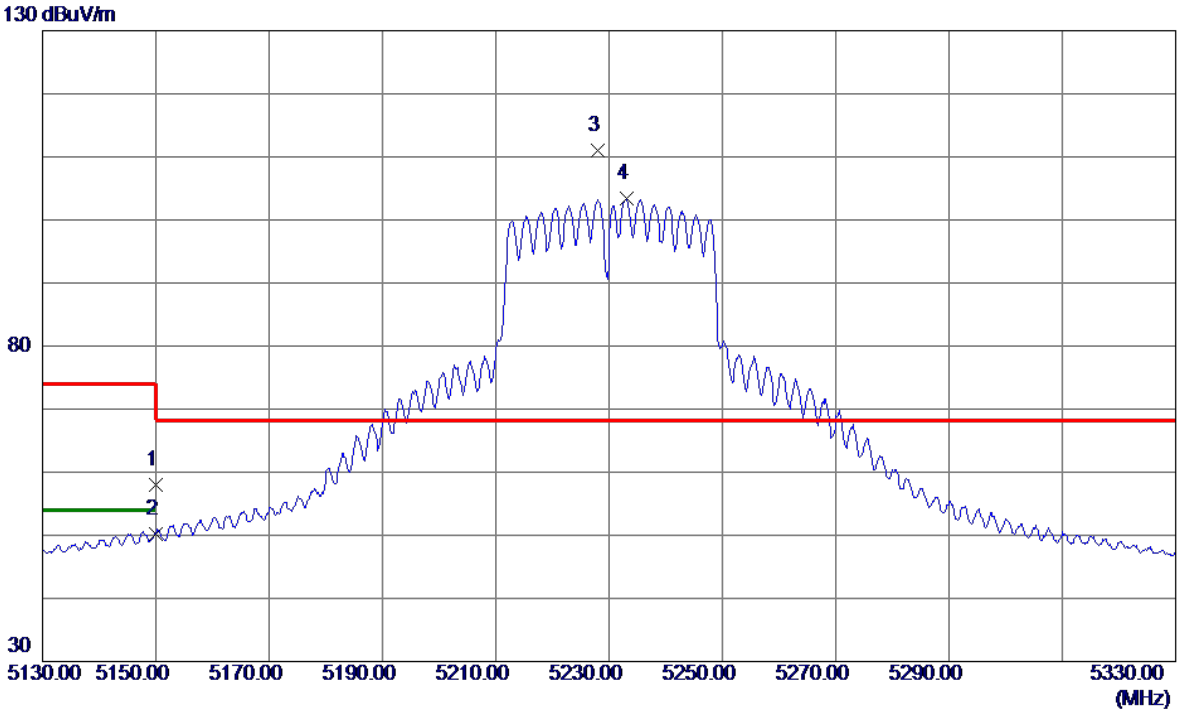
| Test Mode | UNII-1_TX AC(VHT40) Mode 5190 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 15573.0000 | 33.44 | 7.57 | 41.01 | 54.00 | -12.99 | AVG | |
| 2 | 15574.2000 | 45.95 | 7.57 | 53.52 | 74.00 | -20.48 | Peak | |

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

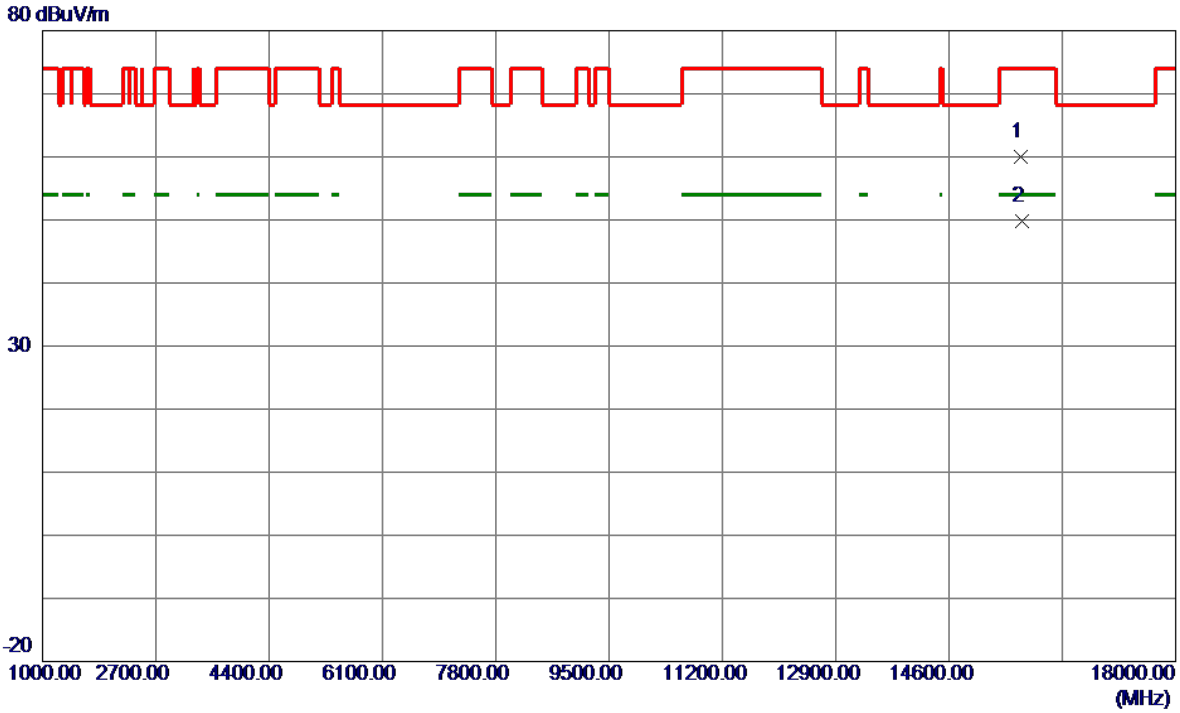
| Test Mode | UNII-1_TX AC(VHT40) Mode 5230 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5150.0000 | 46.48 | 11.54 | 58.02 | 74.00 | -15.98 | Peak | |
| 2 | 5150.0000 | 38.75 | 11.54 | 50.29 | 54.00 | -3.71 | AVG | |
| 3 * | 5228.0000 | 99.31 | 11.70 | 111.01 | 68.20 | 42.81 | Peak | No Limit |
| 4 | 5233.1000 | 91.74 | 11.71 | 103.45 | 999.00 | -895.55 | AVG | No Limit |

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

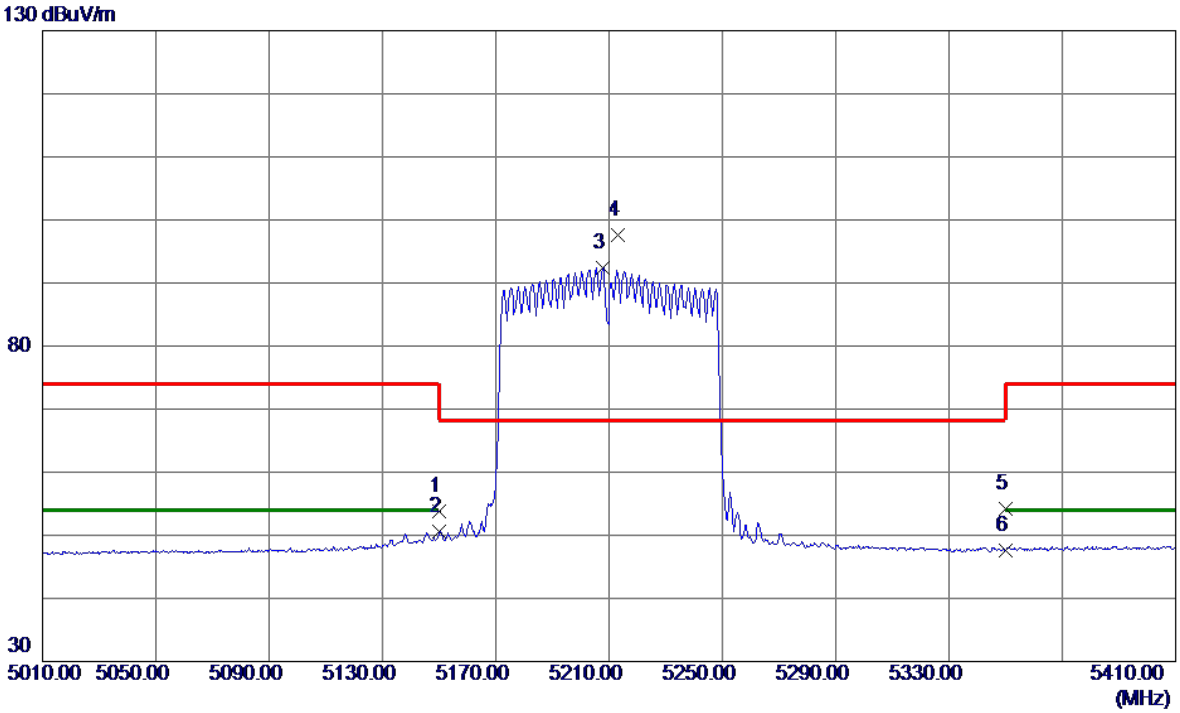
| Test Mode | UNII-1_TX AC(VHT40) Mode 5230 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 15684.0500 | 52.34 | 7.66 | 60.00 | 74.00 | -14.00 | Peak | |
| 2 * | 15695.3500 | 42.21 | 7.67 | 49.88 | 54.00 | -4.12 | AVG | |

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

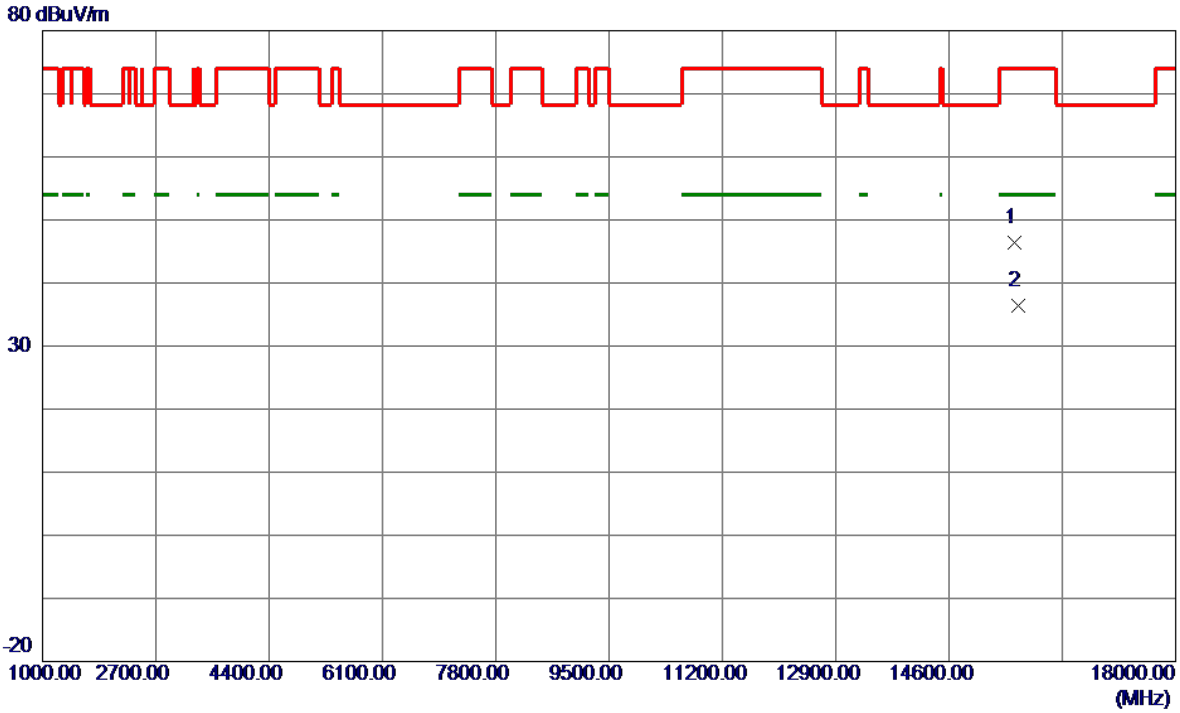
| Test Mode | UNII-1_TX AC(VHT80) Mode 5210 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5150.0000 | 42.20 | 11.54 | 53.74 | 74.00 | -20.26 | Peak | |
| 2 | 5150.0000 | 38.98 | 11.54 | 50.52 | 54.00 | -3.48 | AVG | |
| 3 | 5207.8000 | 80.82 | 11.66 | 92.48 | 999.00 | -906.52 | AVG | No Limit |
| 4 * | 5213.0000 | 85.94 | 11.67 | 97.61 | 68.20 | 29.41 | Peak | No Limit |
| 5 | 5350.0000 | 42.31 | 11.96 | 54.27 | 74.00 | -19.73 | Peak | |
| 6 | 5350.0000 | 35.70 | 11.96 | 47.66 | 54.00 | -6.34 | AVG | |

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

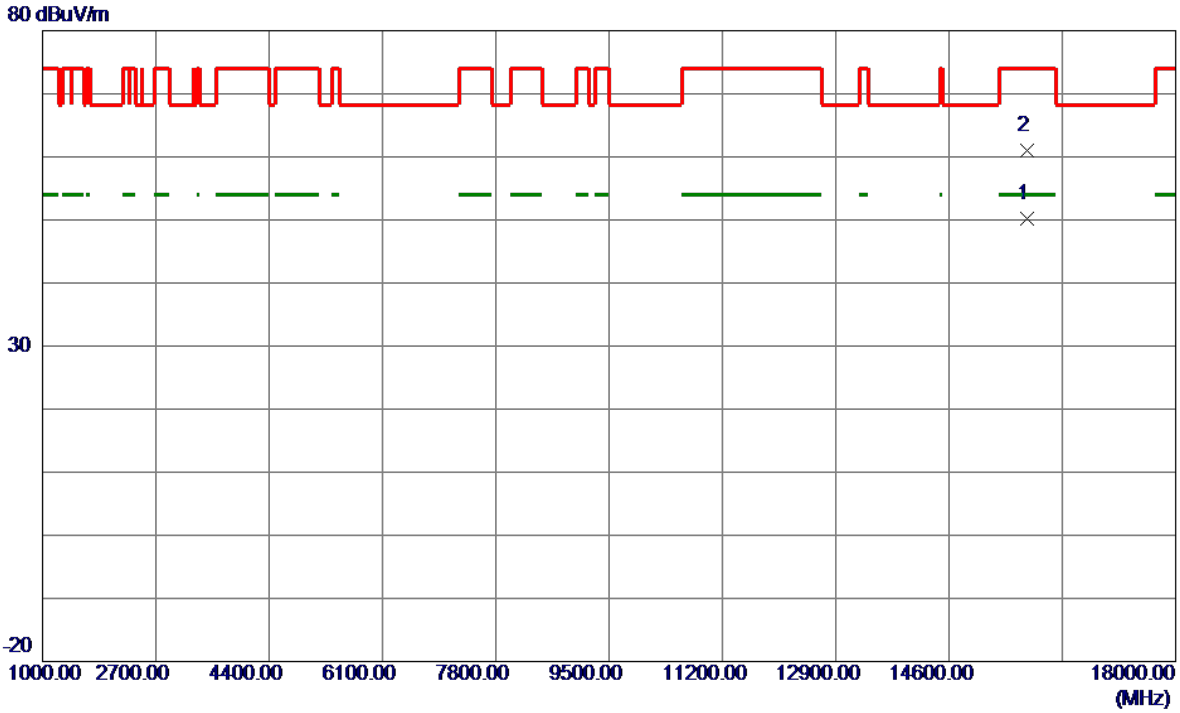
| Test Mode | UNII-1_TX AC(VHT80) Mode 5210 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 15582.3500 | 38.75 | 7.58 | 46.33 | 74.00 | -27.67 | Peak | |
| 2 * | 15637.3000 | 28.70 | 7.62 | 36.32 | 54.00 | -17.68 | AVG | |

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

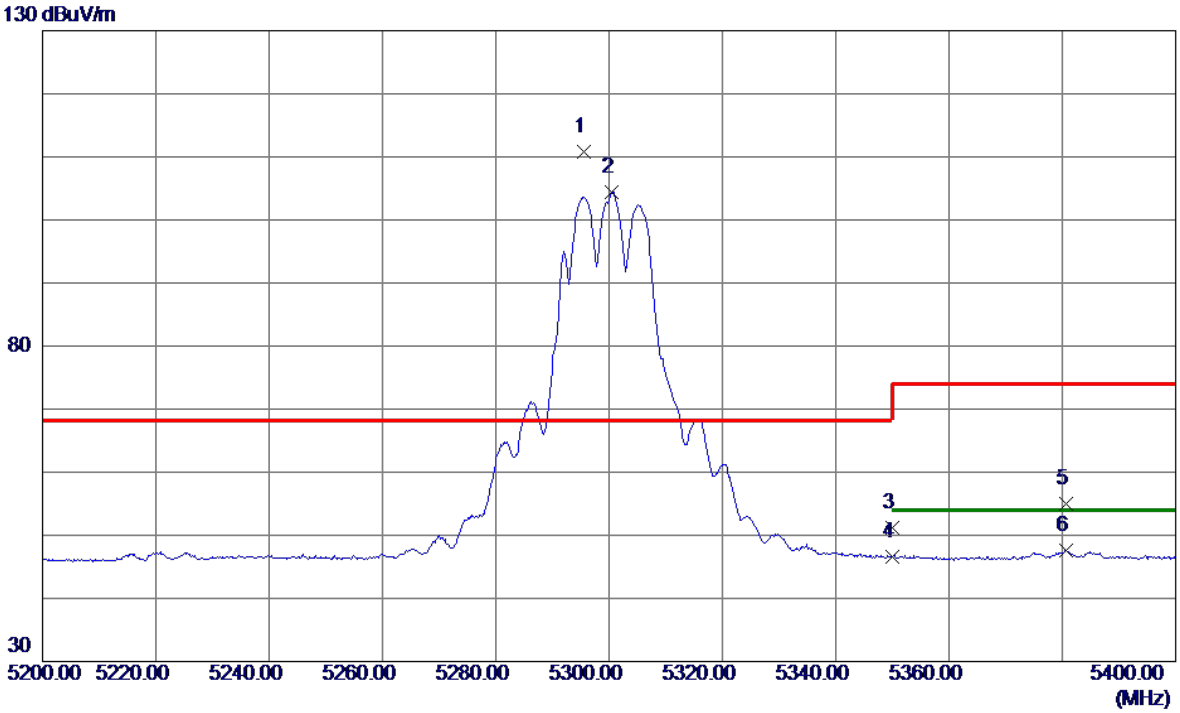
| Test Mode | UNII-2A_TX A Mode 5260 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 15778.7000 | 42.52 | 7.74 | 50.26 | 54.00 | -3.74 | AVG | |
| 2 | 15779.1500 | 53.31 | 7.74 | 61.05 | 74.00 | -12.95 | Peak | |

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

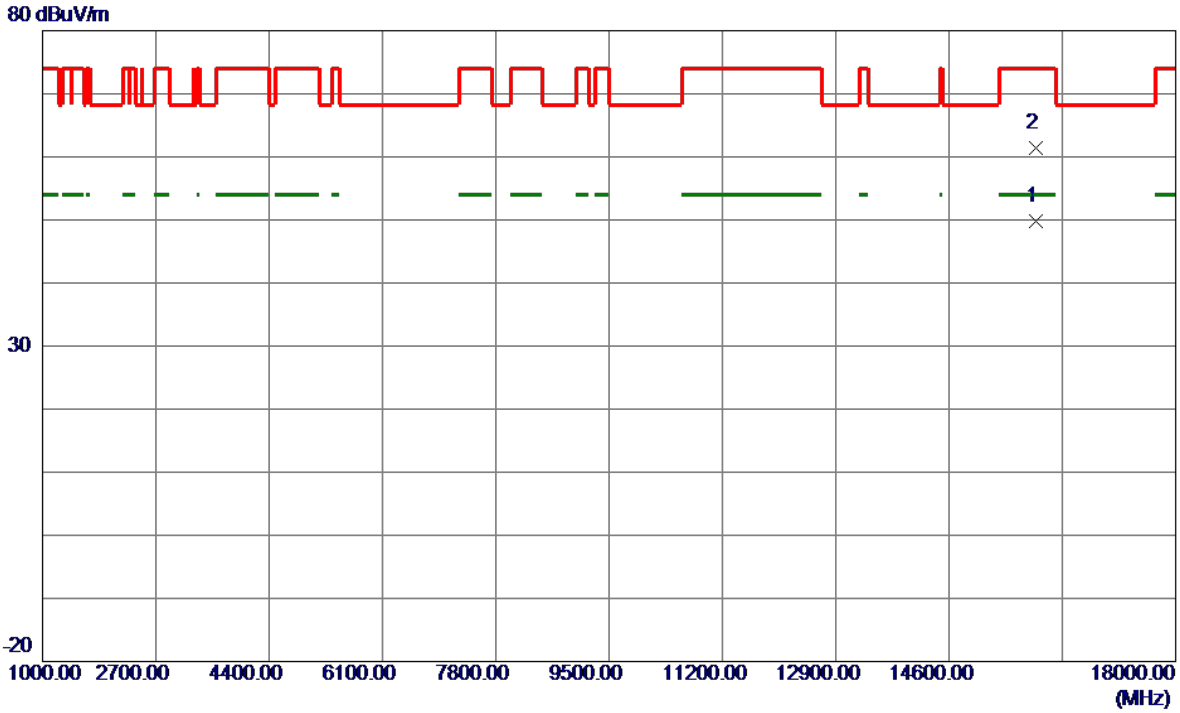
| Test Mode | UNII-2A_TX A Mode 5300 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 5295.6000 | 98.99 | 11.84 | 110.83 | 68.20 | 42.63 | Peak | No Limit |
| 2 | 5300.5000 | 92.56 | 11.85 | 104.41 | 999.00 | -894.59 | AVG | No Limit |
| 3 | 5350.0000 | 39.16 | 11.96 | 51.12 | 74.00 | -22.88 | Peak | |
| 4 | 5350.0000 | 34.71 | 11.96 | 46.67 | 54.00 | -7.33 | AVG | |
| 5 | 5380.6000 | 42.92 | 12.02 | 54.94 | 74.00 | -19.06 | Peak | |
| 6 | 5380.6000 | 35.51 | 12.02 | 47.53 | 54.00 | -6.47 | AVG | |

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

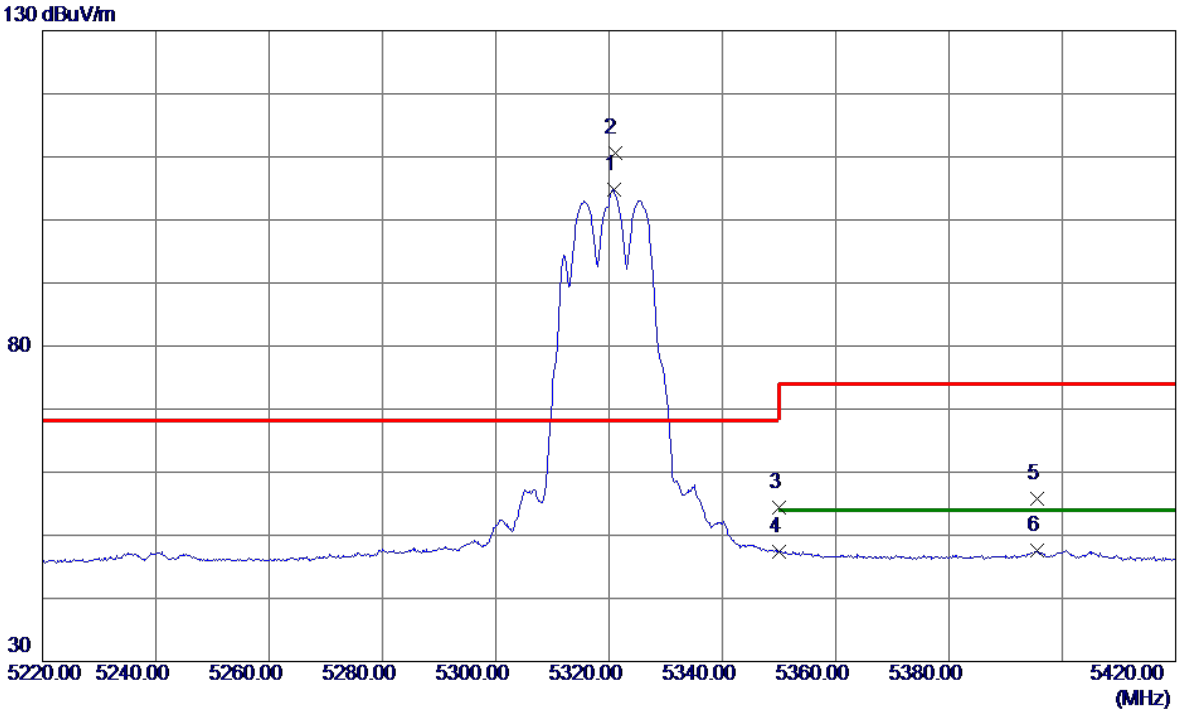
| Test Mode | UNII-2A_TX A Mode 5300 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 15898.2750 | 41.98 | 7.83 | 49.81 | 54.00 | -4.19 | AVG | |
| 2 | 15903.0250 | 53.57 | 7.83 | 61.40 | 74.00 | -12.60 | Peak | |

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

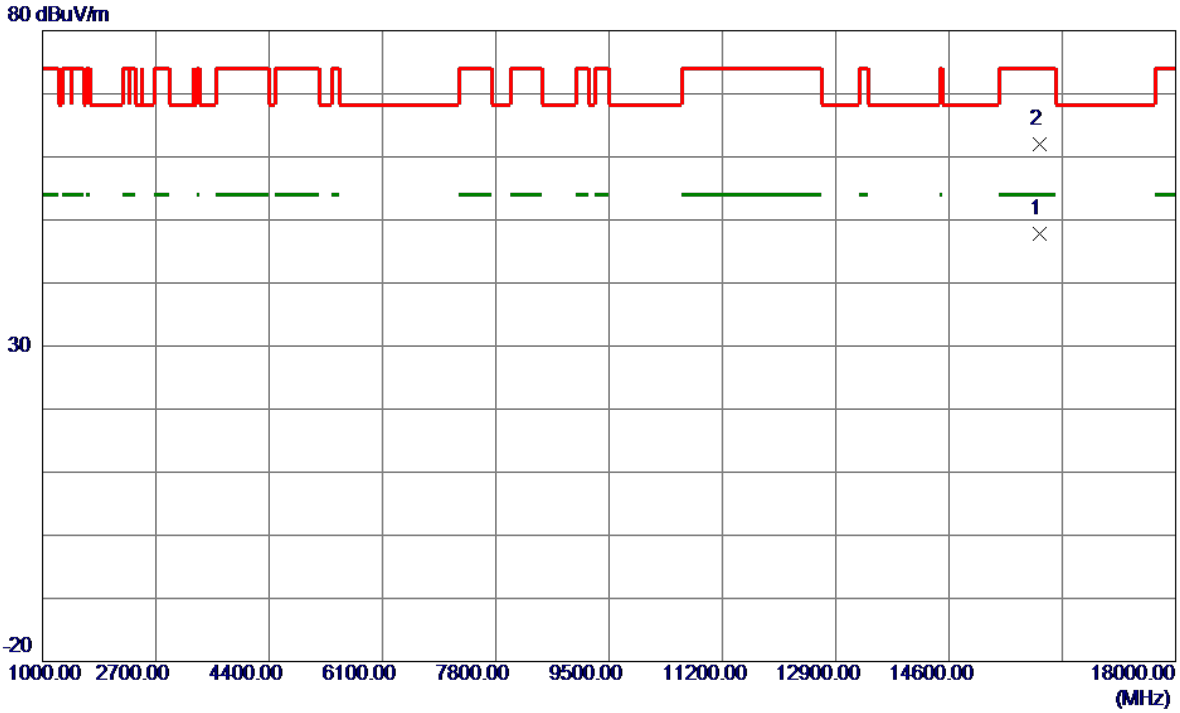
| Test Mode | UNII-2A_TX A Mode 5320 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5320.8000 | 92.85 | 11.90 | 104.75 | 999.00 | -894.25 | AVG | No Limit |
| 2 * | 5321.0000 | 98.65 | 11.90 | 110.55 | 68.20 | 42.35 | Peak | No Limit |
| 3 | 5350.0000 | 42.48 | 11.96 | 54.44 | 74.00 | -19.56 | Peak | |
| 4 | 5350.0000 | 35.48 | 11.96 | 47.44 | 54.00 | -6.56 | AVG | |
| 5 | 5395.6000 | 43.76 | 12.05 | 55.81 | 74.00 | -18.19 | Peak | |
| 6 | 5395.6000 | 35.49 | 12.05 | 47.54 | 54.00 | -6.46 | AVG | |

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

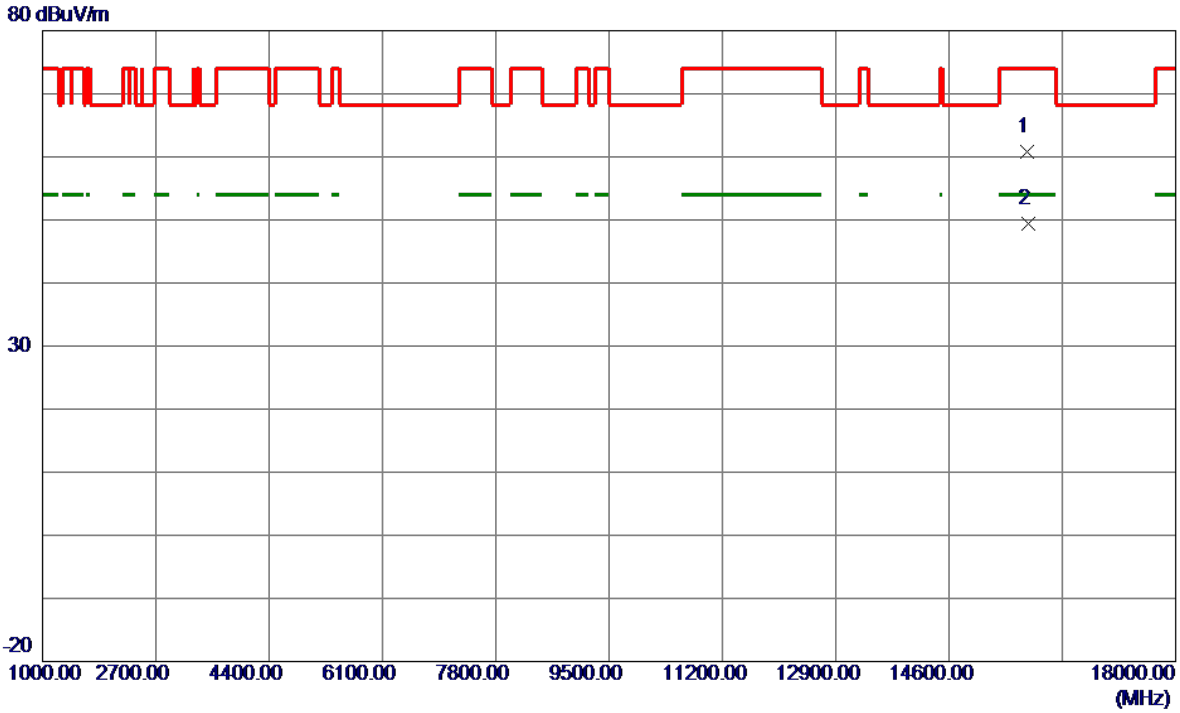
| Test Mode | UNII-2A_TX A Mode 5320 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 15958.1000 | 39.97 | 7.88 | 47.85 | 54.00 | -6.15 | AVG | |
| 2 | 15958.5750 | 54.08 | 7.88 | 61.96 | 74.00 | -12.04 | Peak | |

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

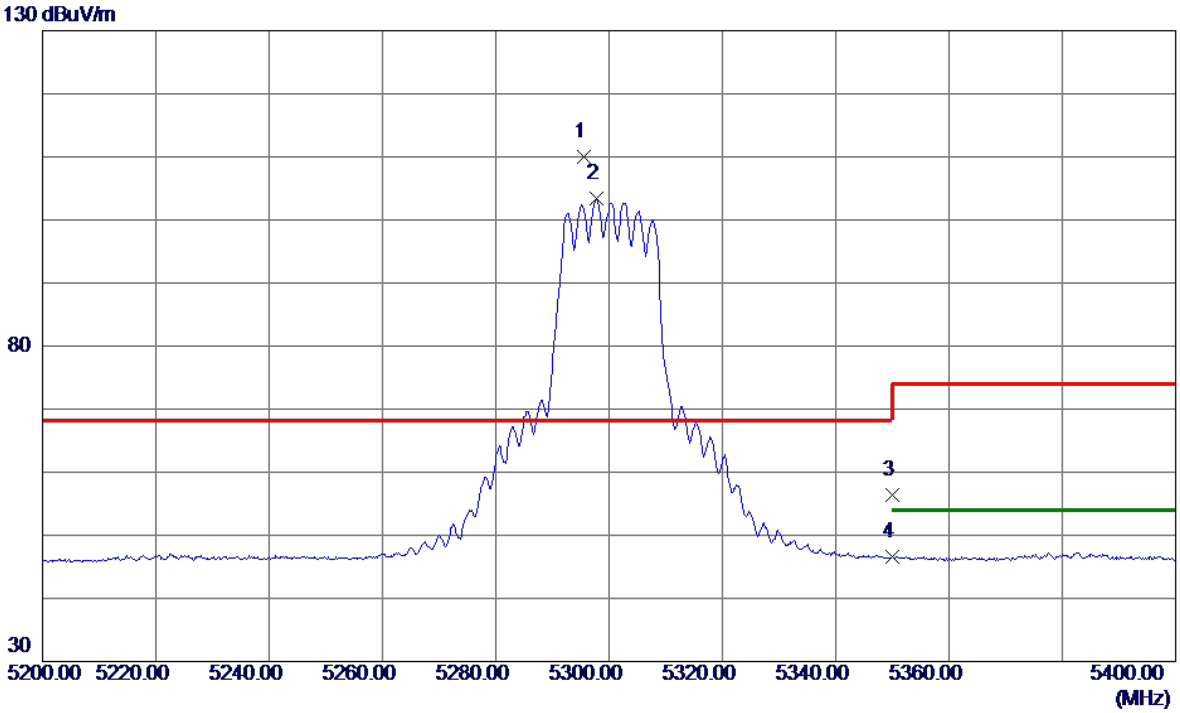
| Test Mode | UNII-2A_TX AC(VHT20) Mode 5260 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 15779.9250 | 53.12 | 7.74 | 60.86 | 74.00 | -13.14 | Peak | |
| 2 * | 15780.6750 | 41.64 | 7.74 | 49.38 | 54.00 | -4.62 | AVG | |

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

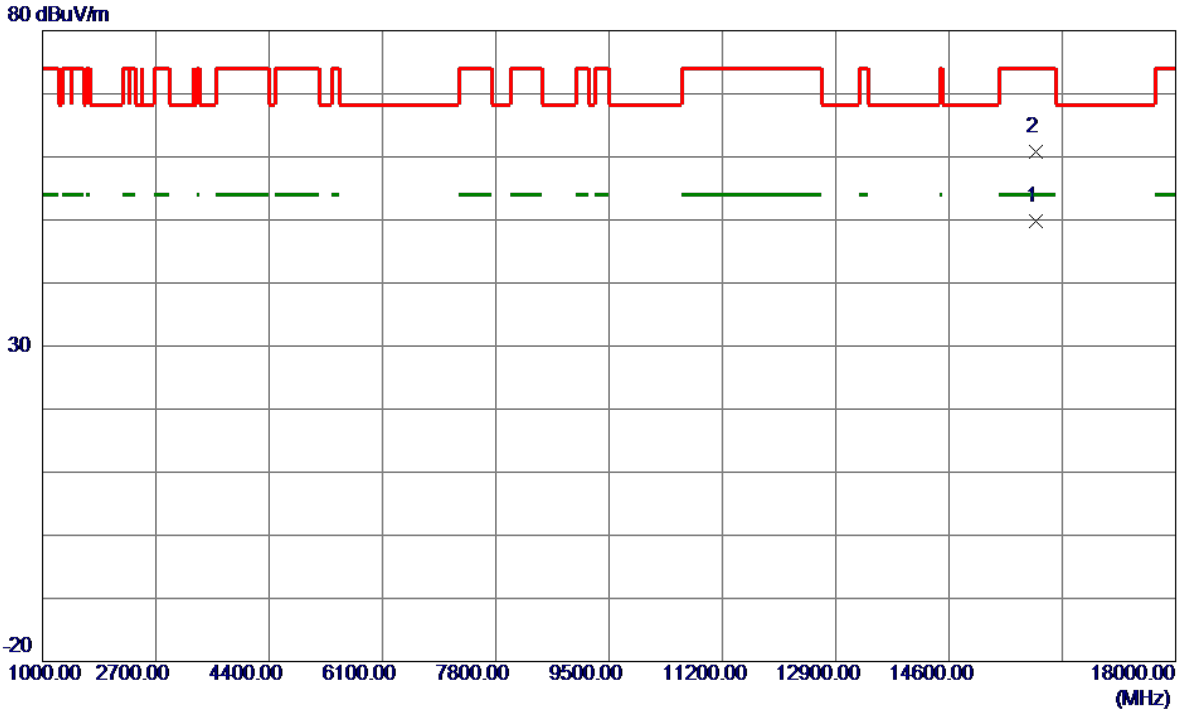
| Test Mode | UNII-2A_TX AC(VHT20) Mode 5300 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 5295.5000 | 98.16 | 11.84 | 110.00 | 68.20 | 41.80 | Peak | No Limit |
| 2 | 5297.7000 | 91.48 | 11.85 | 103.33 | 999.00 | -895.67 | AVG | No Limit |
| 3 | 5350.0000 | 44.53 | 11.96 | 56.49 | 74.00 | -17.51 | Peak | |
| 4 | 5350.0000 | 34.73 | 11.96 | 46.69 | 54.00 | -7.31 | AVG | |

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

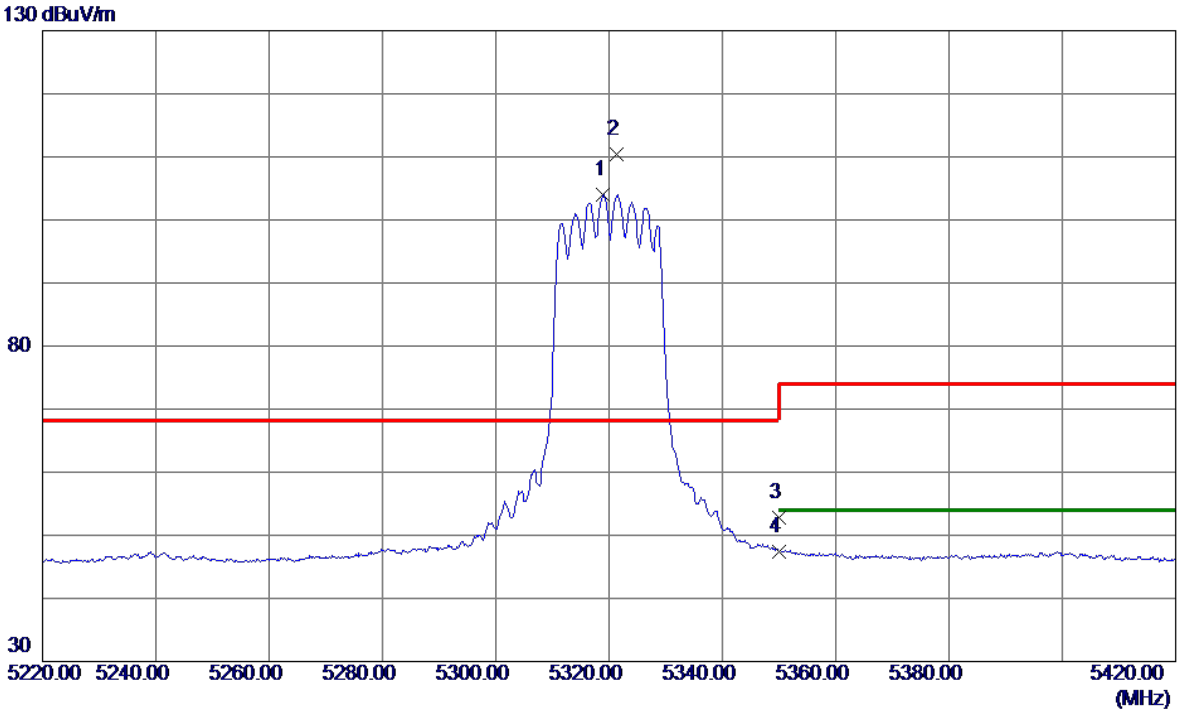
| Test Mode | UNII-2A_TX AC(VHT20) Mode 5300 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 15898.2500 | 42.03 | 7.83 | 49.86 | 54.00 | -4.14 | AVG | |
| 2 | 15898.9500 | 52.94 | 7.83 | 60.77 | 74.00 | -13.23 | Peak | |

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

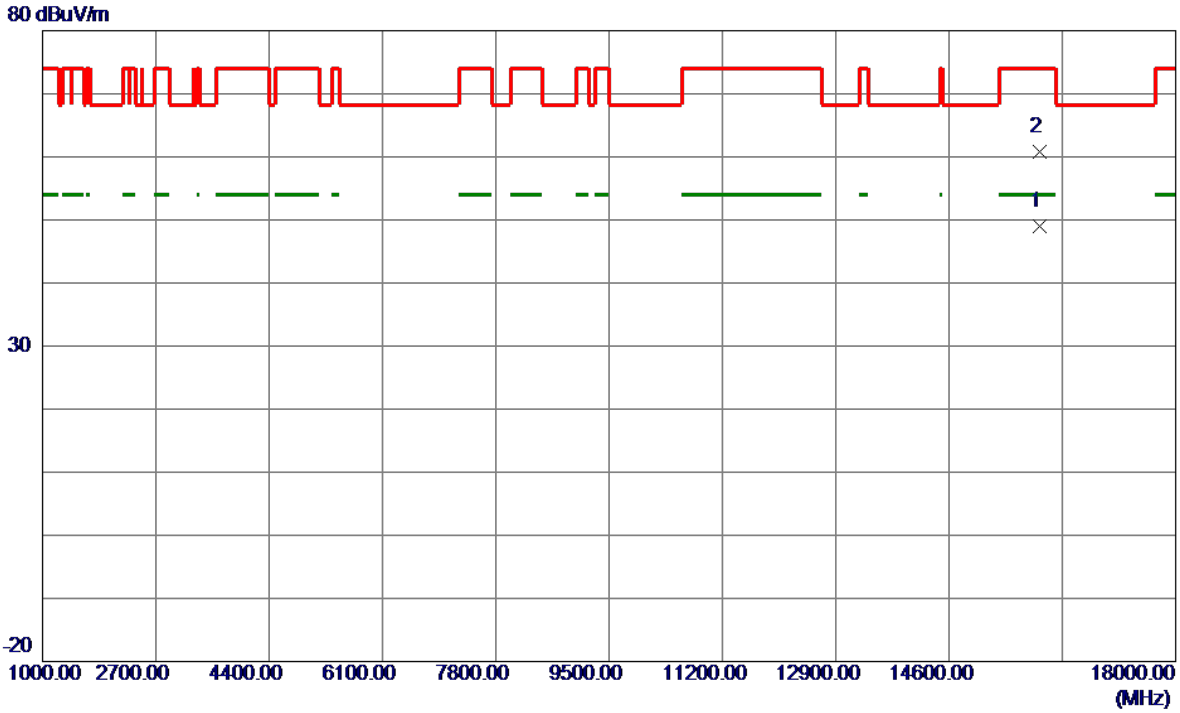
| Test Mode | UNII-2A_TX AC(VHT20) Mode 5320 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5319.0000 | 92.07 | 11.89 | 103.96 | 999.00 | -895.04 | AVG | No Limit |
| 2 * | 5321.3000 | 98.53 | 11.90 | 110.43 | 68.20 | 42.23 | Peak | No Limit |
| 3 | 5350.0000 | 40.83 | 11.96 | 52.79 | 74.00 | -21.21 | Peak | |
| 4 | 5350.0000 | 35.39 | 11.96 | 47.35 | 54.00 | -6.65 | AVG | |

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

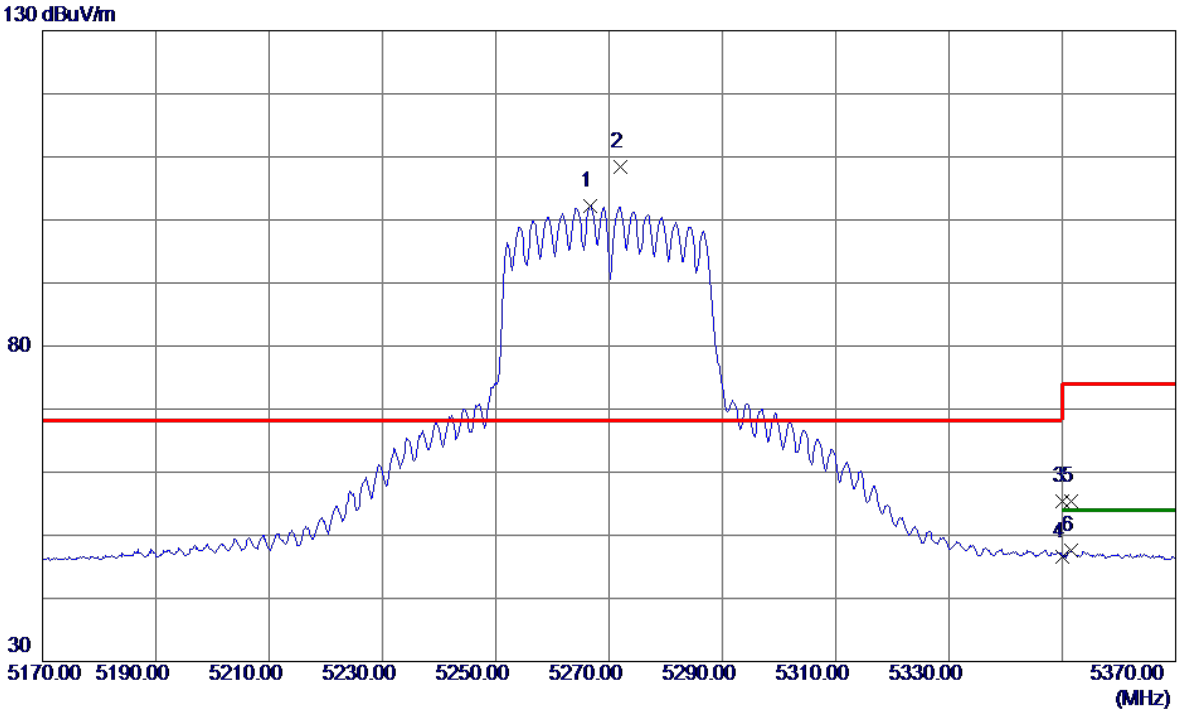
| Test Mode | UNII-2A_TX AC(VHT20) Mode 5320 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 15956.7750 | 41.03 | 7.88 | 48.91 | 54.00 | -5.09 | AVG | |
| 2 | 15957.6500 | 52.83 | 7.88 | 60.71 | 74.00 | -13.29 | Peak | |

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

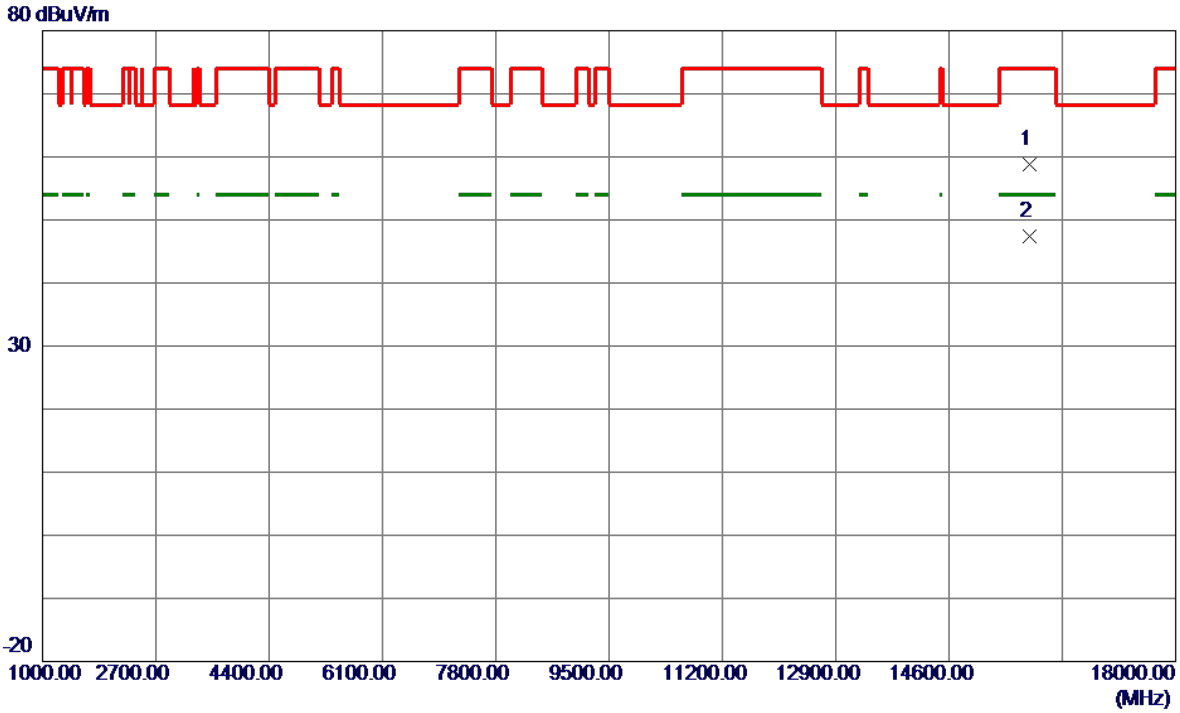
| Test Mode | UNII-2A_TX AC(VHT40) Mode 5270 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5266.6000 | 90.43 | 11.78 | 102.21 | 999.00 | -896.79 | AVG | No Limit |
| 2 * | 5271.9000 | 96.63 | 11.79 | 108.42 | 68.20 | 40.22 | Peak | No Limit |
| 3 | 5350.0000 | 43.45 | 11.96 | 55.41 | 74.00 | -18.59 | Peak | |
| 4 | 5350.0000 | 34.72 | 11.96 | 46.68 | 54.00 | -7.32 | AVG | |
| 5 | 5351.5000 | 43.41 | 11.96 | 55.37 | 74.00 | -18.63 | Peak | |
| 6 | 5351.5000 | 35.66 | 11.96 | 47.62 | 54.00 | -6.38 | AVG | |

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

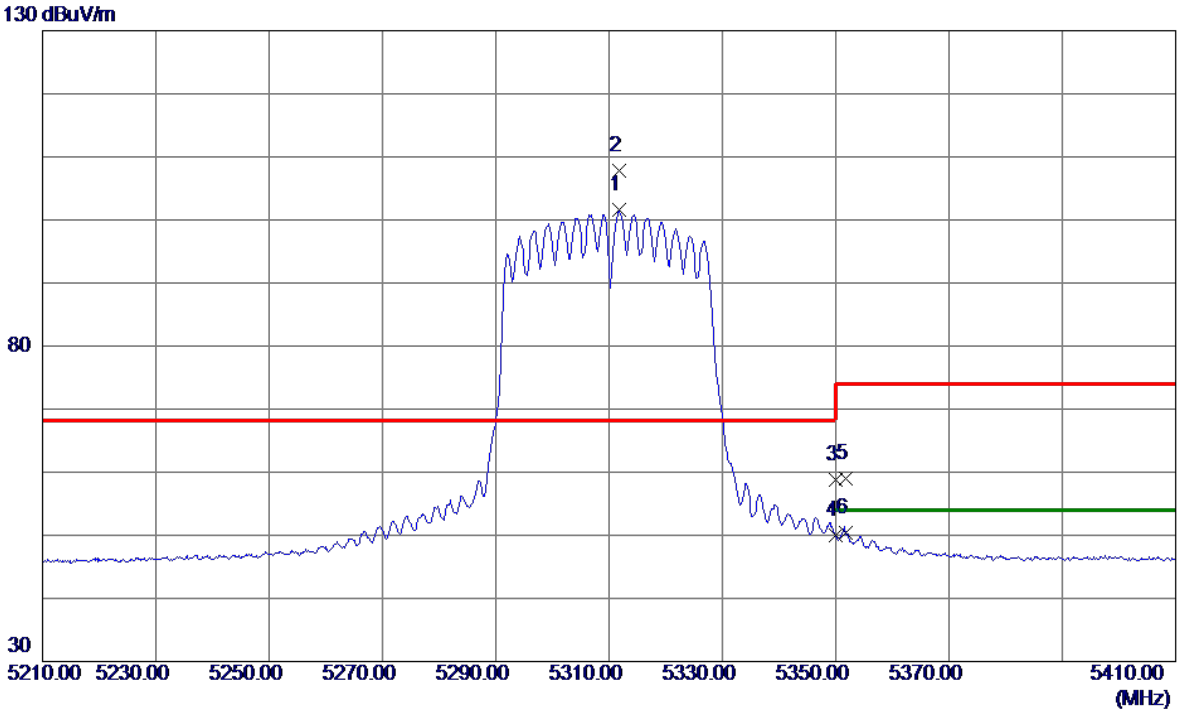
| Test Mode | UNII-2A_TX AC(VHT40) Mode 5270 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 15806.9000 | 51.02 | 7.76 | 58.78 | 74.00 | -15.22 | Peak | |
| 2 * | 15812.4000 | 39.62 | 7.76 | 47.38 | 54.00 | -6.62 | AVG | |

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

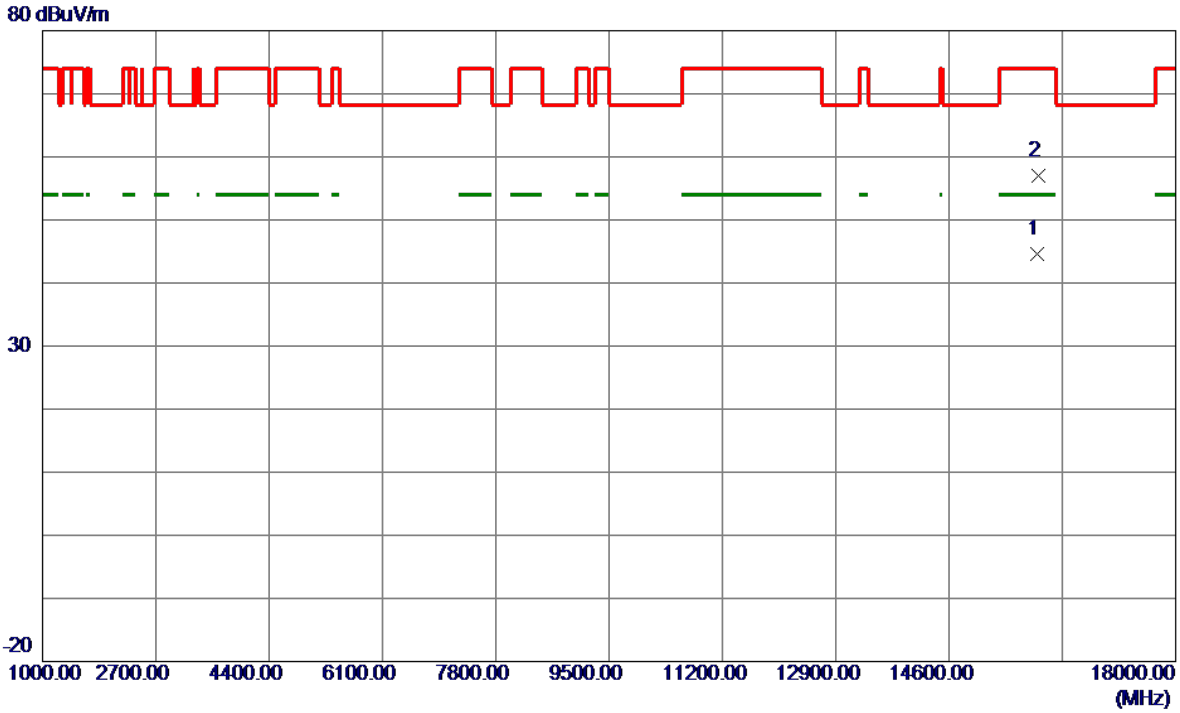
| Test Mode | UNII-2A_TX AC(VHT40) Mode 5310 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5311.7000 | 89.63 | 11.88 | 101.51 | 999.00 | -897.49 | AVG | No Limit |
| 2 * | 5311.8000 | 95.99 | 11.88 | 107.87 | 68.20 | 39.67 | Peak | No Limit |
| 3 | 5350.0000 | 46.90 | 11.96 | 58.86 | 74.00 | -15.14 | Peak | |
| 4 | 5350.0000 | 37.98 | 11.96 | 49.94 | 54.00 | -4.06 | AVG | |
| 5 | 5351.8000 | 46.95 | 11.96 | 58.91 | 74.00 | -15.09 | Peak | |
| 6 | 5351.8000 | 38.44 | 11.96 | 50.40 | 54.00 | -3.60 | AVG | |

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

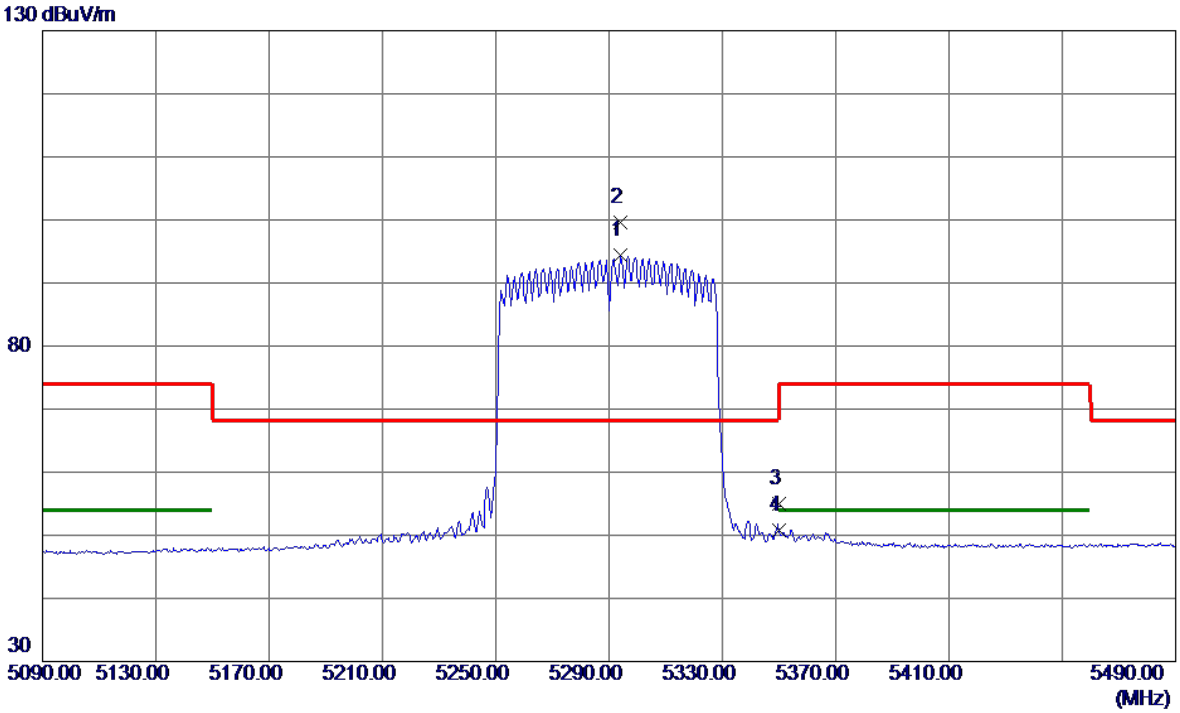
| Test Mode | UNII-2A_TX AC(VHT40) Mode 5310 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 15922.5500 | 36.79 | 7.85 | 44.64 | 54.00 | -9.36 | AVG | |
| 2 | 15933.0500 | 49.13 | 7.86 | 56.99 | 74.00 | -17.01 | Peak | |

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

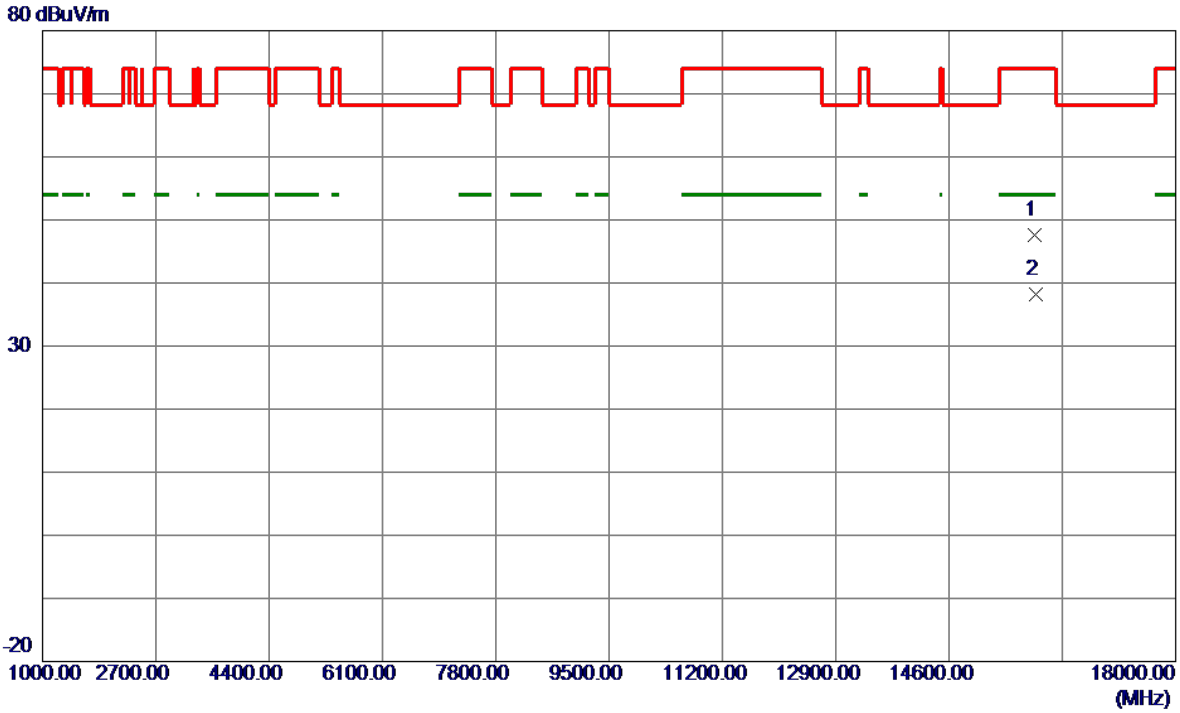
| Test Mode | UNII-2A_TX AC(VHT80) Mode 5290 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5294.0000 | 82.52 | 11.84 | 94.36 | 999.00 | -904.64 | AVG | No Limit |
| 2 * | 5294.2000 | 87.84 | 11.84 | 99.68 | 68.20 | 31.48 | Peak | No Limit |
| 3 | 5350.0000 | 42.96 | 11.96 | 54.92 | 74.00 | -19.08 | Peak | |
| 4 | 5350.0000 | 38.84 | 11.96 | 50.80 | 54.00 | -3.20 | AVG | |

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

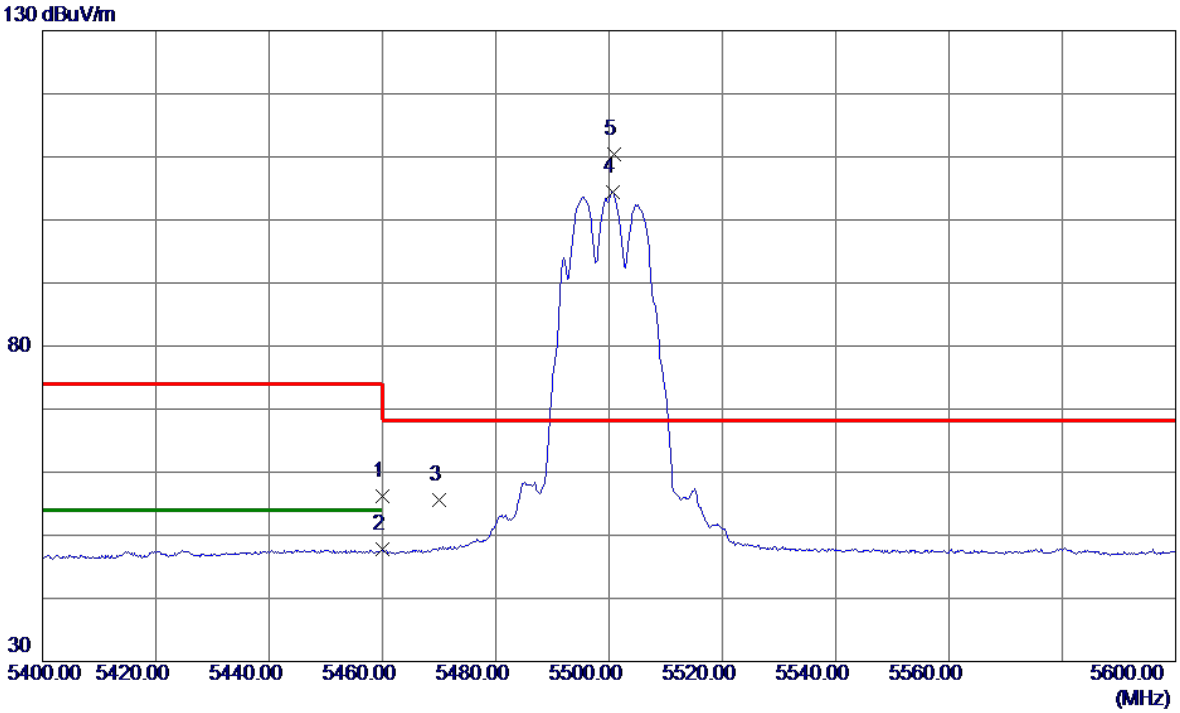
| Test Mode | UNII-2A_TX AC(VHT80) Mode 5290 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 15889.7000 | 39.76 | 7.82 | 47.58 | 74.00 | -26.42 | Peak | |
| 2 * | 15902.7000 | 30.39 | 7.83 | 38.22 | 54.00 | -15.78 | AVG | |

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

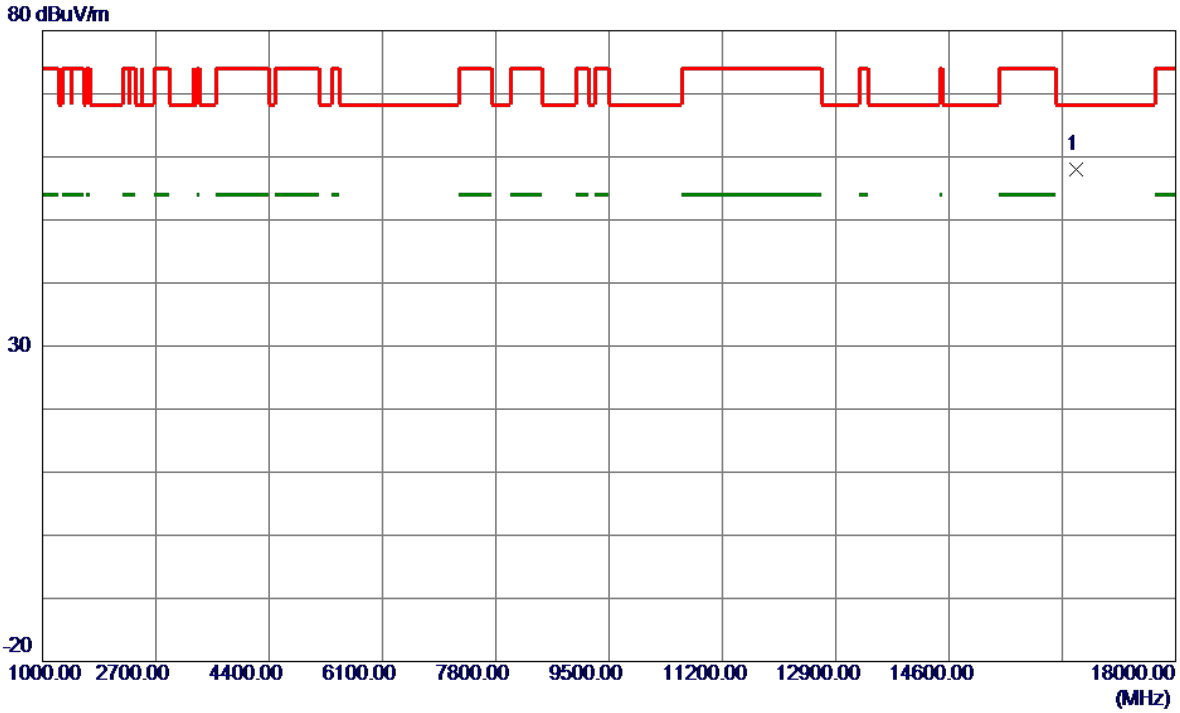
| Test Mode | UNII-2C_TX A Mode 5500 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5460.0000 | 43.93 | 12.19 | 56.12 | 74.00 | -17.88 | Peak | |
| 2 | 5460.0000 | 35.55 | 12.19 | 47.74 | 54.00 | -6.26 | AVG | |
| 3 | 5470.0000 | 43.40 | 12.21 | 55.61 | 68.20 | -12.59 | Peak | |
| 4 | 5500.6000 | 92.20 | 12.28 | 104.48 | 999.00 | -894.52 | AVG | No Limit |
| 5 * | 5500.9000 | 98.19 | 12.28 | 110.47 | 68.20 | 42.27 | Peak | No Limit |

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

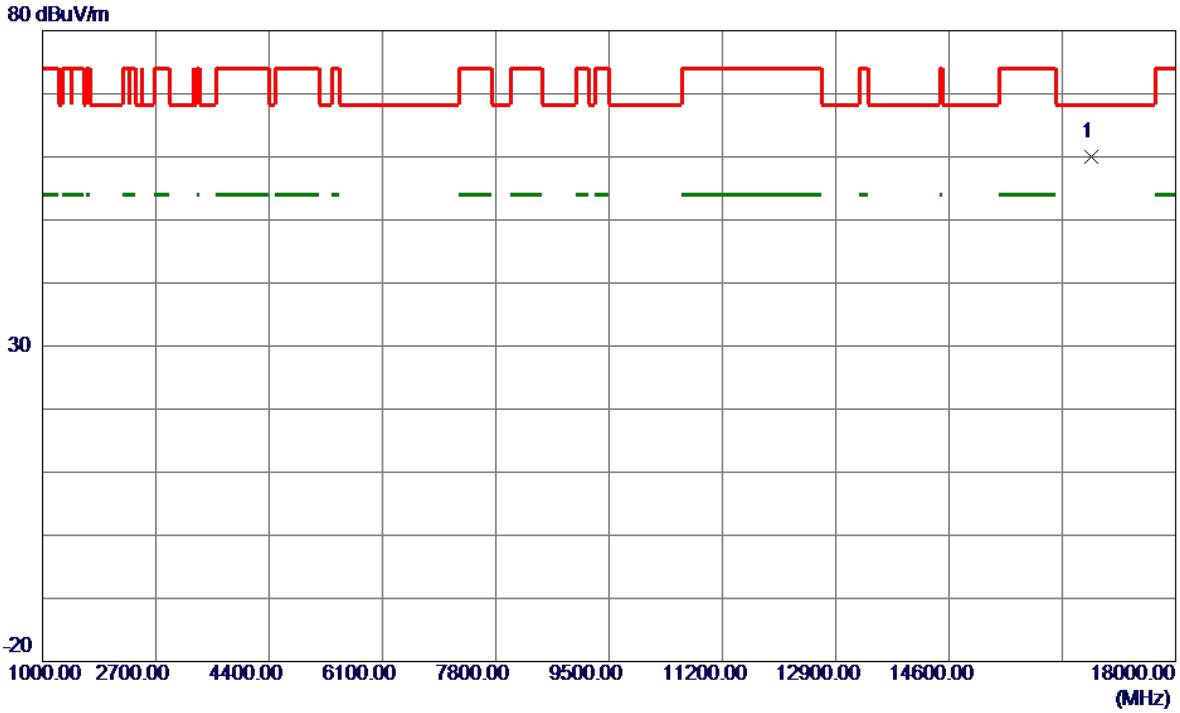
| Test Mode | UNII-2C_TX A Mode 5500 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 16506.4250 | 49.49 | 8.47 | 57.96 | 68.20 | -10.24 | Peak | |

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

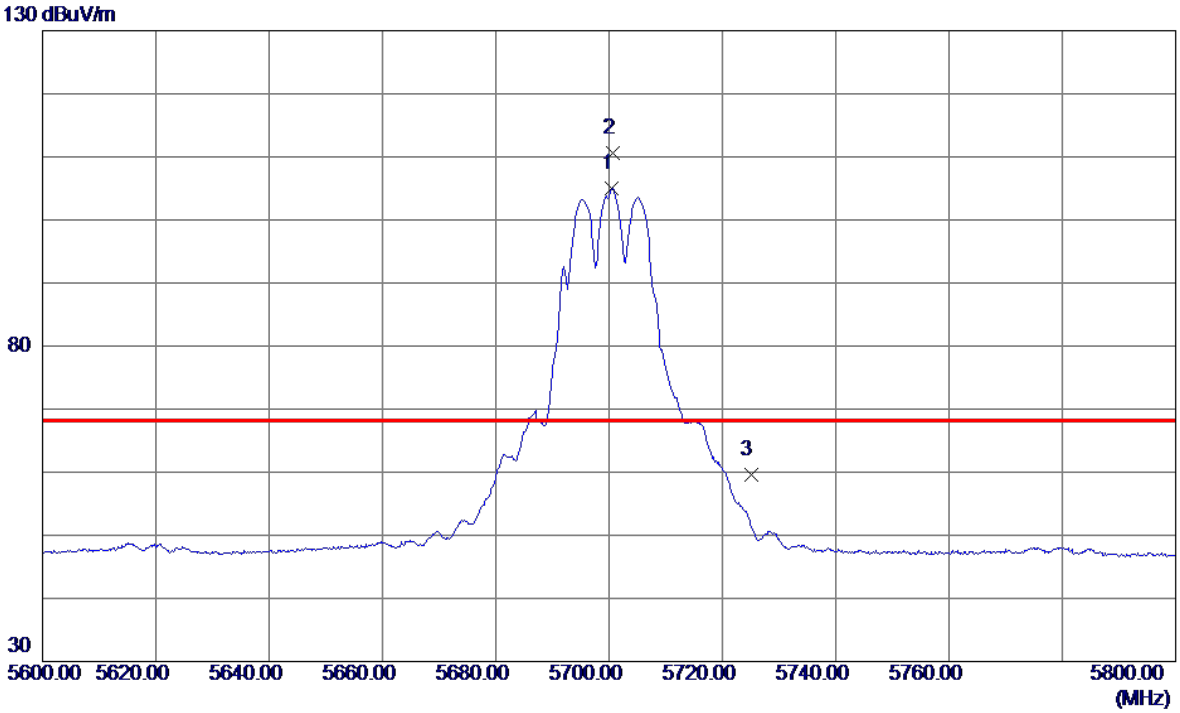
| Test Mode | UNII-2C_TX A Mode 5580 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 16740.1500 | 51.12 | 8.91 | 60.03 | 68.20 | -8.17 | Peak | |

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

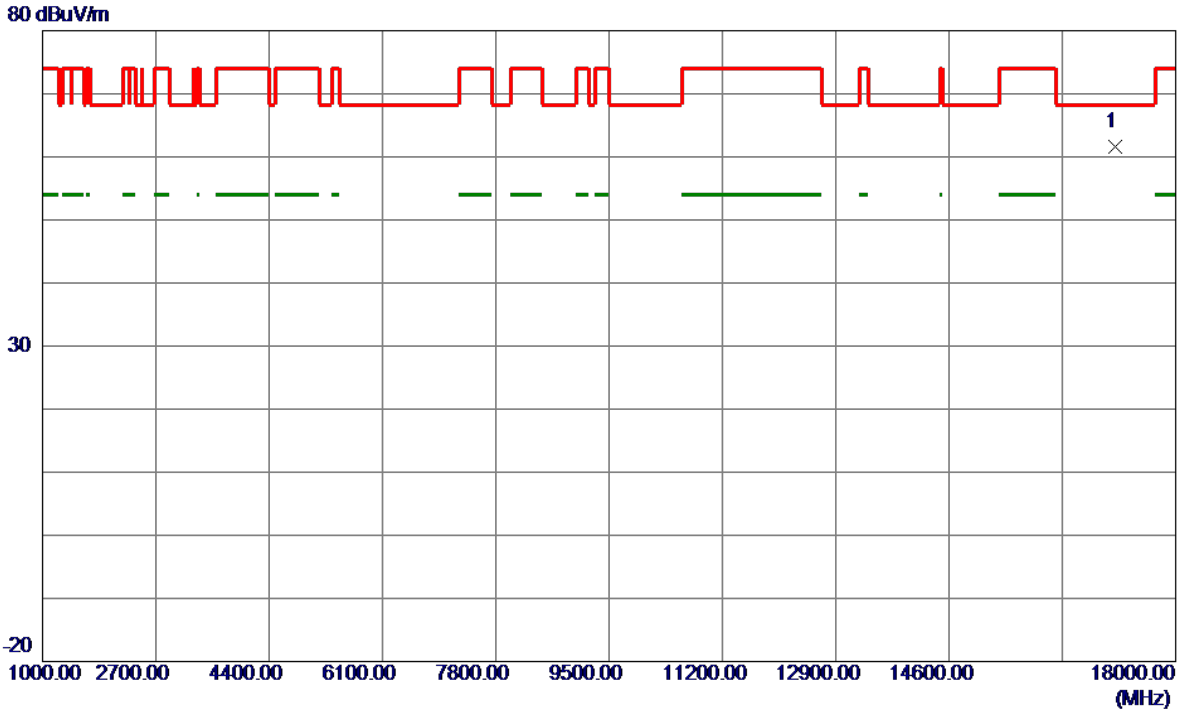
| Test Mode | UNII-2C_TX A Mode 5700 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5700.5000 | 92.09 | 12.92 | 105.01 | 999.00 | -893.99 | AVG | No Limit |
| 2 * | 5700.6000 | 97.63 | 12.92 | 110.55 | 68.20 | 42.35 | Peak | No Limit |
| 3 | 5725.0000 | 46.62 | 13.00 | 59.62 | 68.20 | -8.58 | Peak | |

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

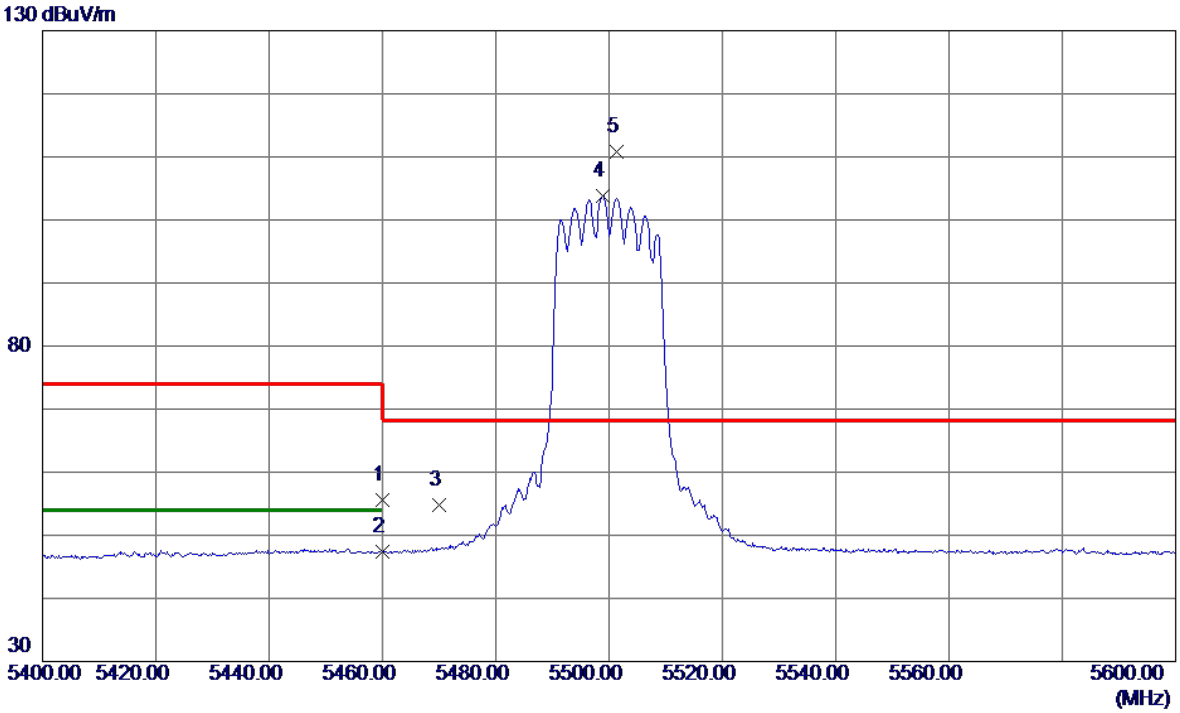
| Test Mode | UNII-2C_TX A Mode 5700 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 17098.3750 | 52.00 | 9.61 | 61.61 | 68.20 | -6.59 | Peak | |

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

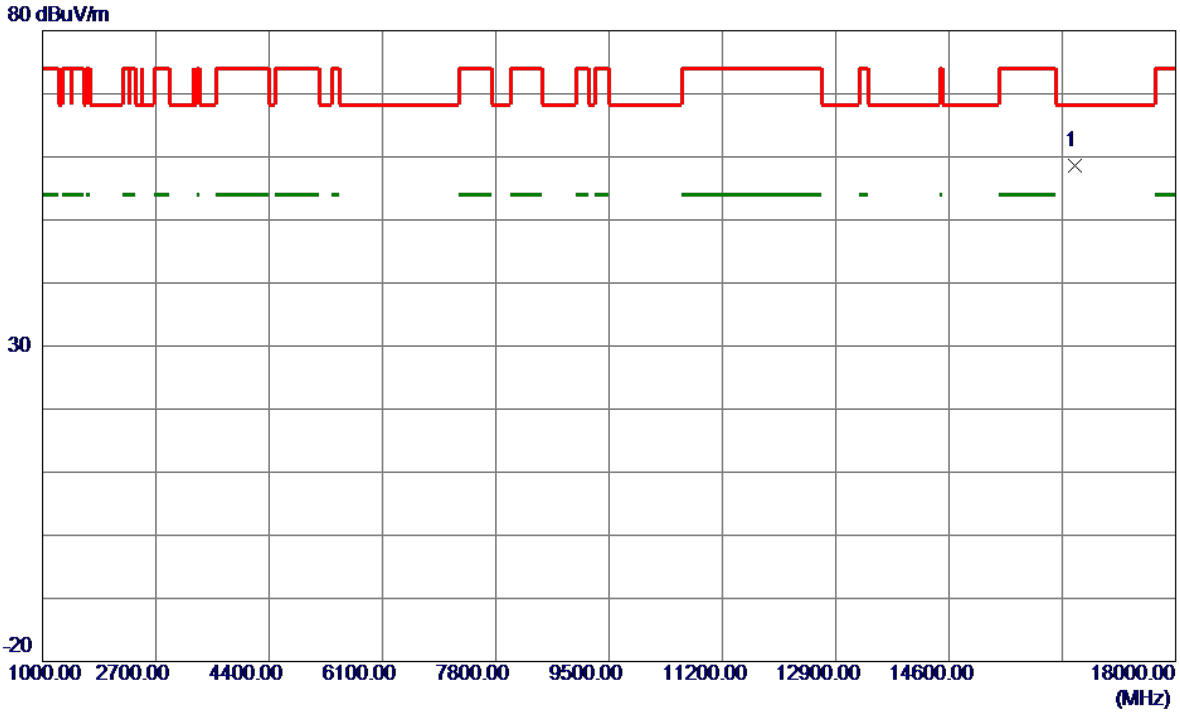
| Test Mode | UNII-2C_TX AC(VHT20) Mode 5500 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5460.0000 | 43.50 | 12.19 | 55.69 | 74.00 | -18.31 | Peak | |
| 2 | 5460.0000 | 35.26 | 12.19 | 47.45 | 54.00 | -6.55 | AVG | |
| 3 | 5470.0000 | 42.54 | 12.21 | 54.75 | 68.20 | -13.45 | Peak | |
| 4 | 5498.9000 | 91.62 | 12.27 | 103.89 | 999.00 | -895.11 | AVG | No Limit |
| 5 * | 5501.3000 | 98.50 | 12.28 | 110.78 | 68.20 | 42.58 | Peak | No Limit |

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

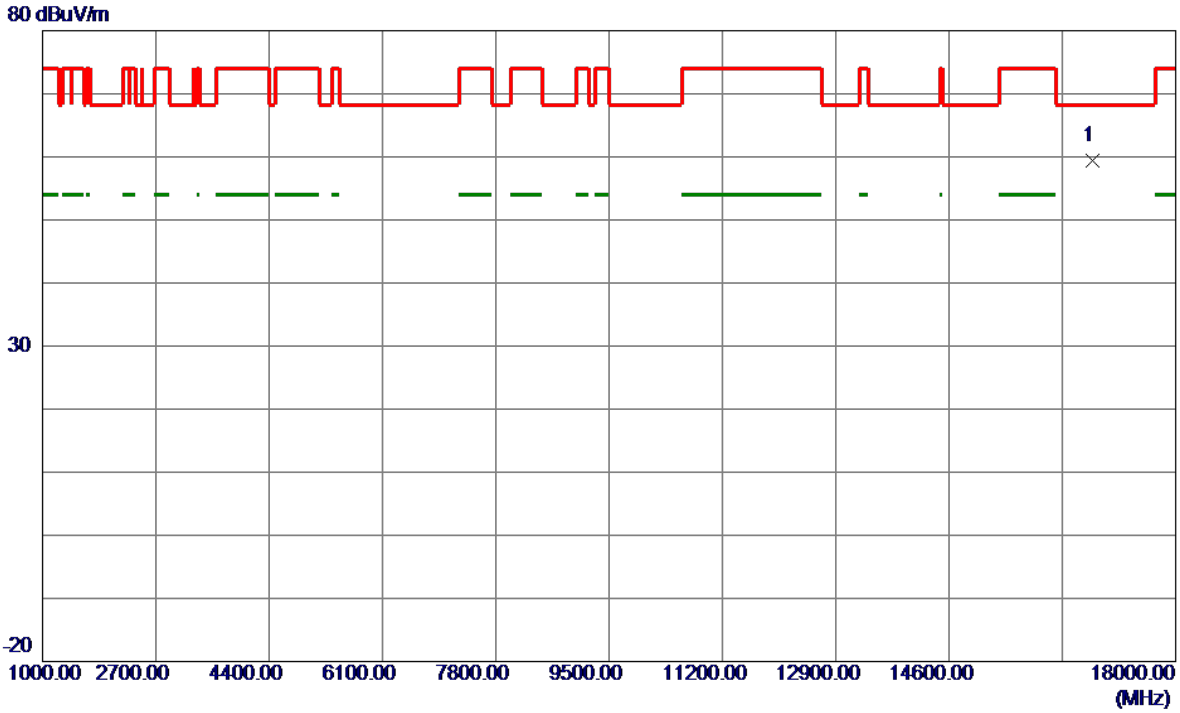
| Test Mode | UNII-2C_TX AC(VHT20) Mode 5500 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 16497.4250 | 50.22 | 8.45 | 58.67 | 68.20 | -9.53 | Peak | |

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

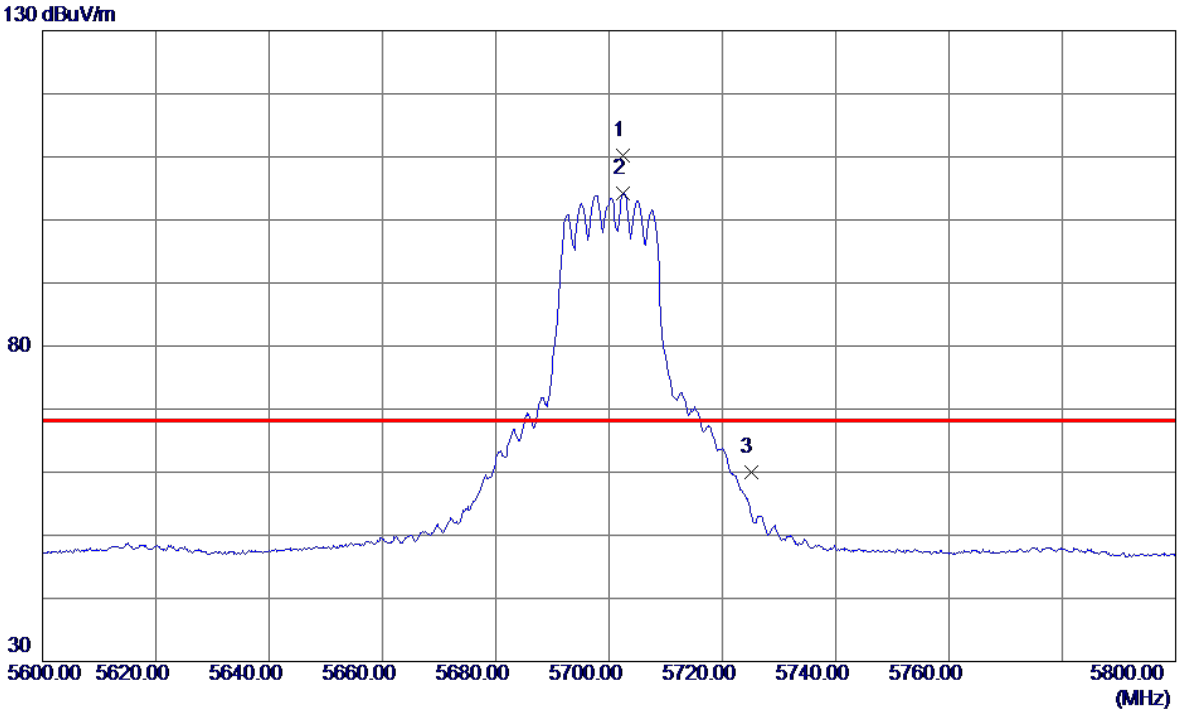
| Test Mode | UNII-2C_TX AC(VHT20) Mode 5580 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 16745.1000 | 50.53 | 8.92 | 59.45 | 68.20 | -8.75 | Peak | |

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

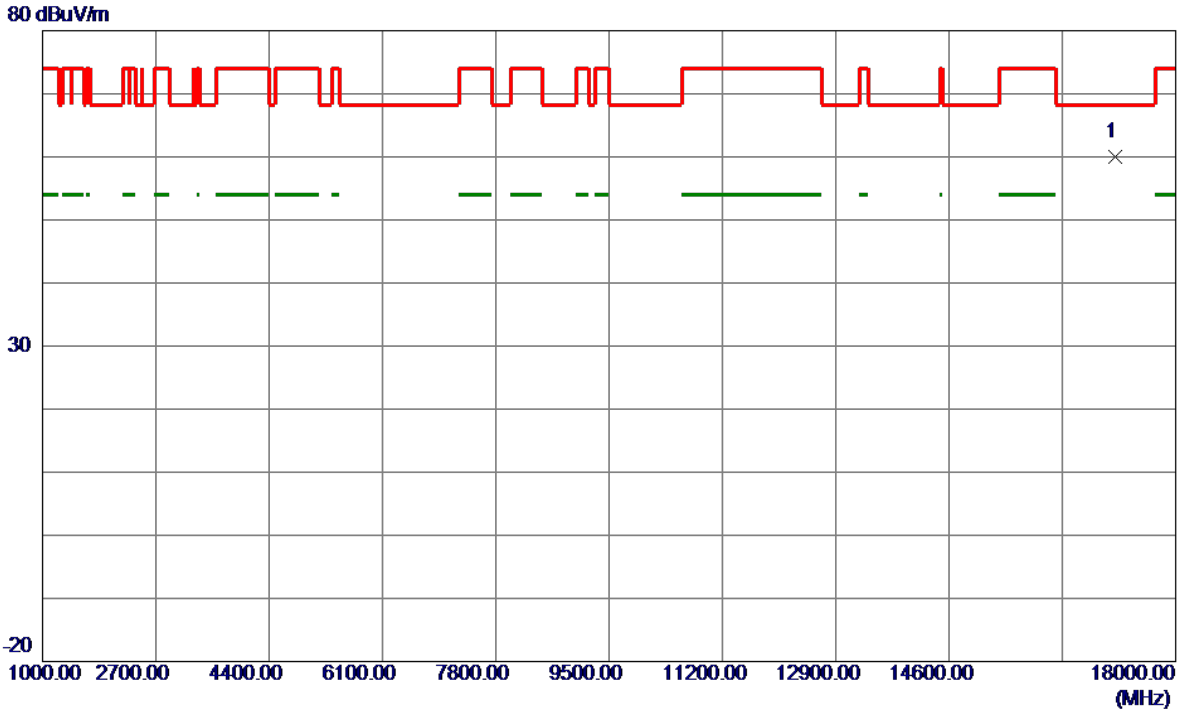
| Test Mode | UNII-2C_TX AC(VHT20) Mode 5700 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 5702.4000 | 97.32 | 12.92 | 110.24 | 68.20 | 42.04 | Peak | No Limit |
| 2 | 5702.5000 | 91.32 | 12.93 | 104.25 | 999.00 | -894.75 | AVG | No Limit |
| 3 | 5725.0000 | 47.07 | 13.00 | 60.07 | 68.20 | -8.13 | Peak | |

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

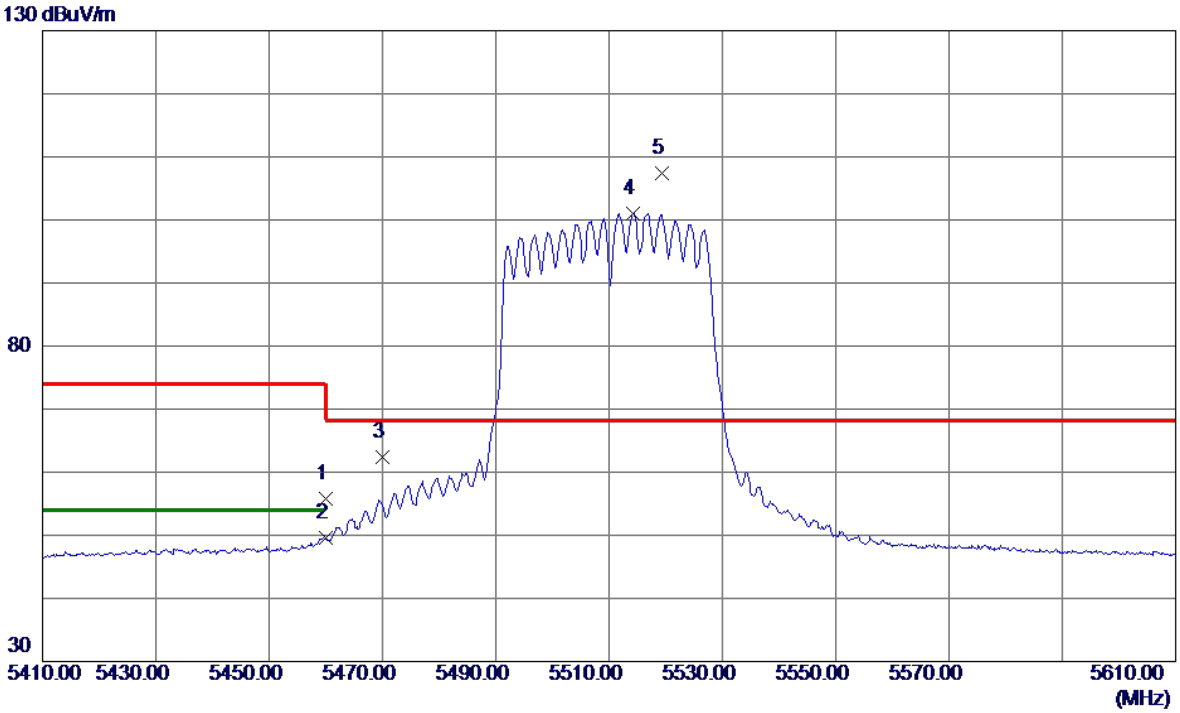
| Test Mode | UNII-2C_TX AC(VHT20) Mode 5700 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 17097.1000 | 50.46 | 9.61 | 60.07 | 68.20 | -8.13 | Peak | |

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

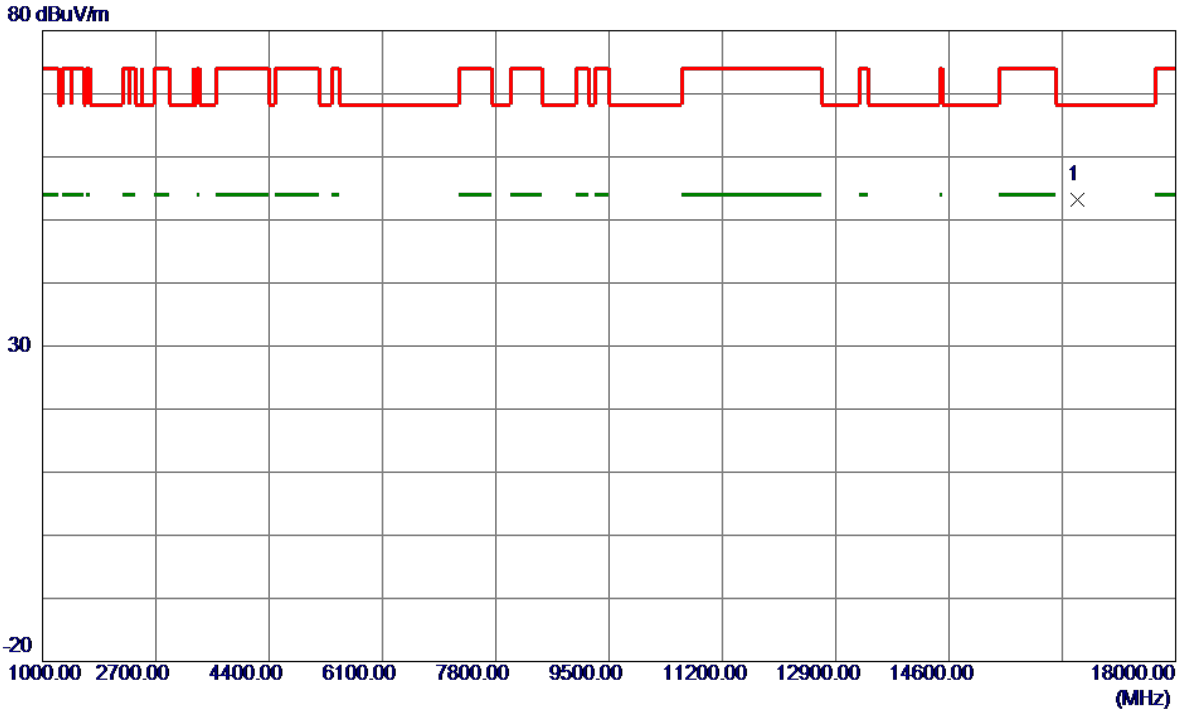
| Test Mode | UNII-2C_TX AC(VHT40) Mode 5510 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5460.0000 | 43.67 | 12.19 | 55.86 | 74.00 | -18.14 | Peak | |
| 2 | 5460.0000 | 37.44 | 12.19 | 49.63 | 54.00 | -4.37 | AVG | |
| 3 | 5470.0000 | 50.20 | 12.21 | 62.41 | 68.20 | -5.79 | Peak | |
| 4 | 5514.3000 | 88.70 | 12.32 | 101.02 | 999.00 | -897.98 | AVG | No Limit |
| 5 * | 5519.4000 | 94.97 | 12.34 | 107.31 | 68.20 | 39.11 | Peak | No Limit |

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

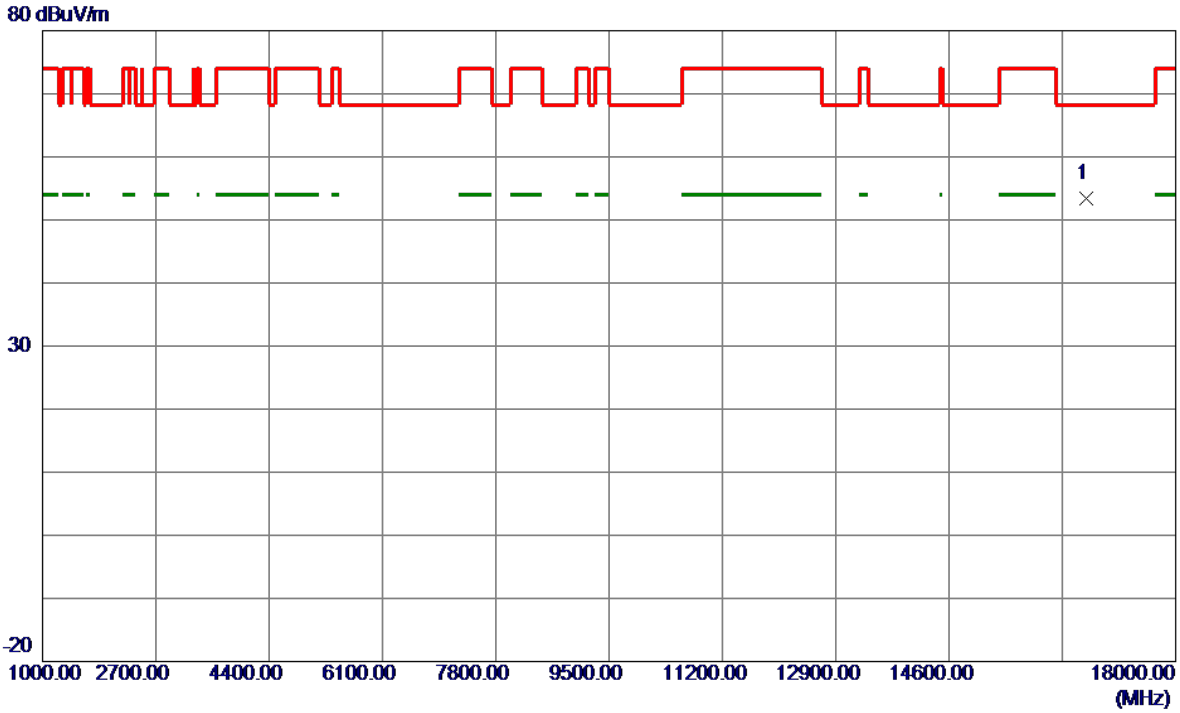
| Test Mode | UNII-2C_TX AC(VHT40) Mode 5510 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 16526.0500 | 44.70 | 8.50 | 53.20 | 68.20 | -15.00 | Peak | |

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

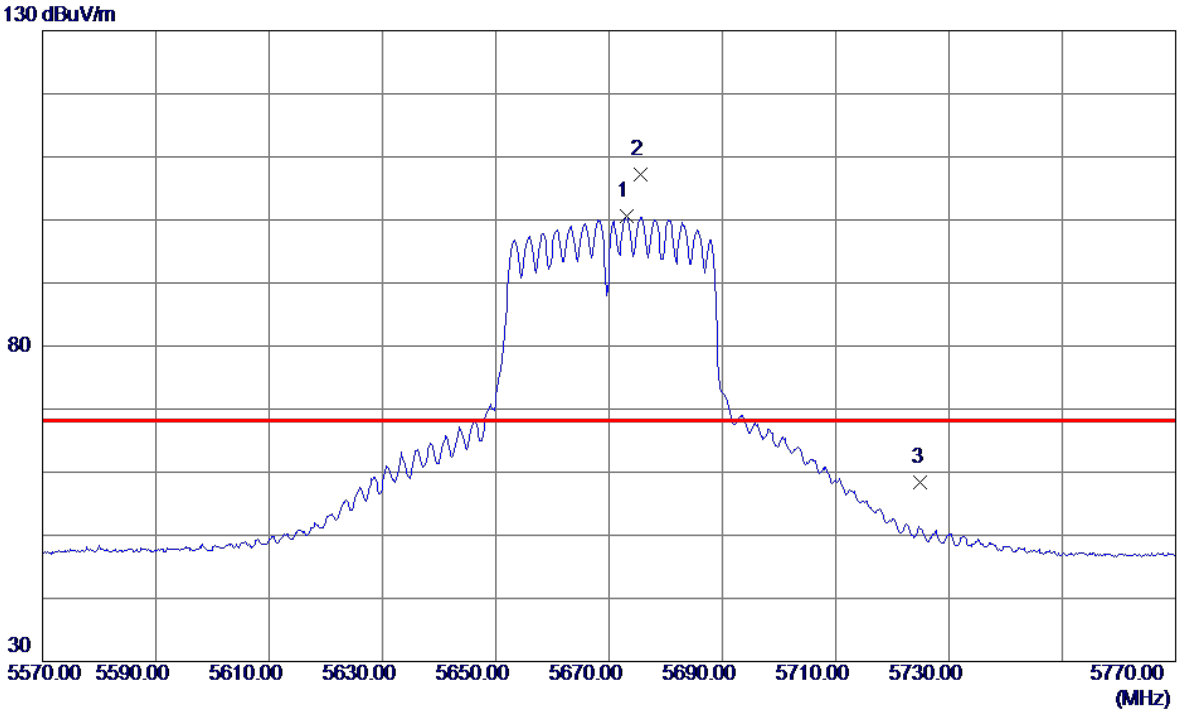
| Test Mode | UNII-2C_TX AC(VHT40) Mode 5550 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 16660.6000 | 44.72 | 8.76 | 53.48 | 68.20 | -14.72 | Peak | |

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

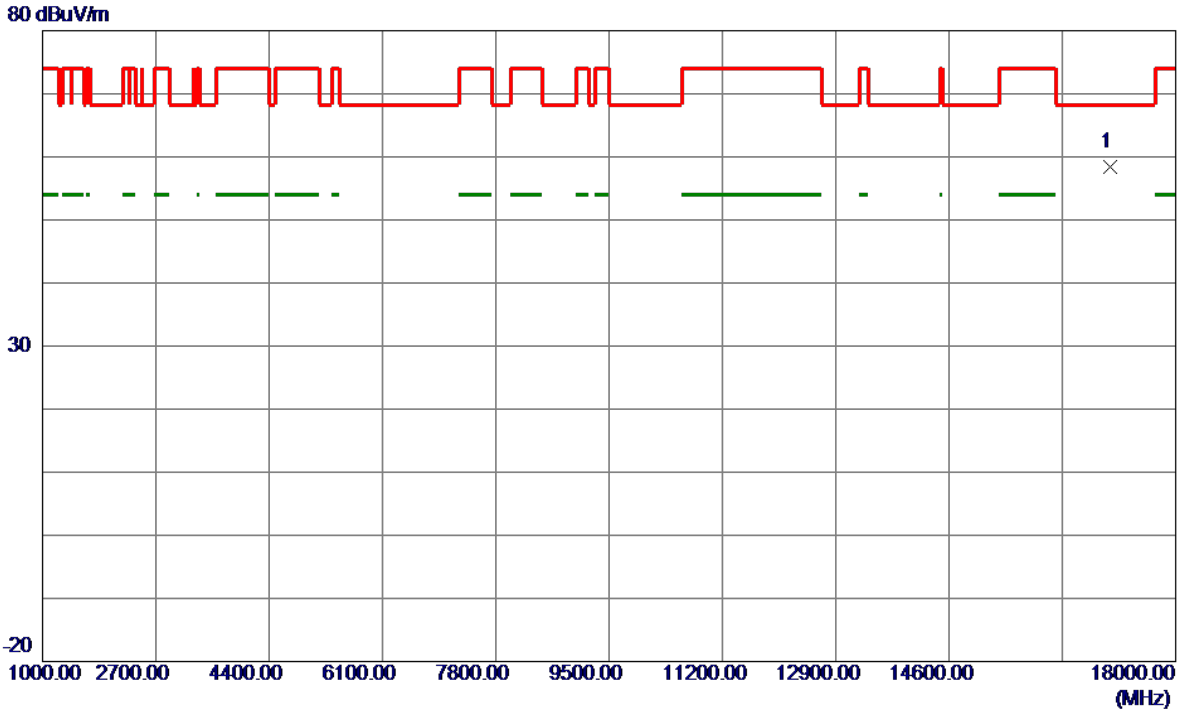
| Test Mode | UNII-2C_TX AC(VHT40) Mode 5670 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5673.1000 | 87.84 | 12.83 | 100.67 | 999.00 | -898.33 | AVG | No Limit |
| 2 * | 5675.6000 | 94.42 | 12.84 | 107.26 | 68.20 | 39.06 | Peak | No Limit |
| 3 | 5725.0000 | 45.39 | 13.00 | 58.39 | 68.20 | -9.81 | Peak | |

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

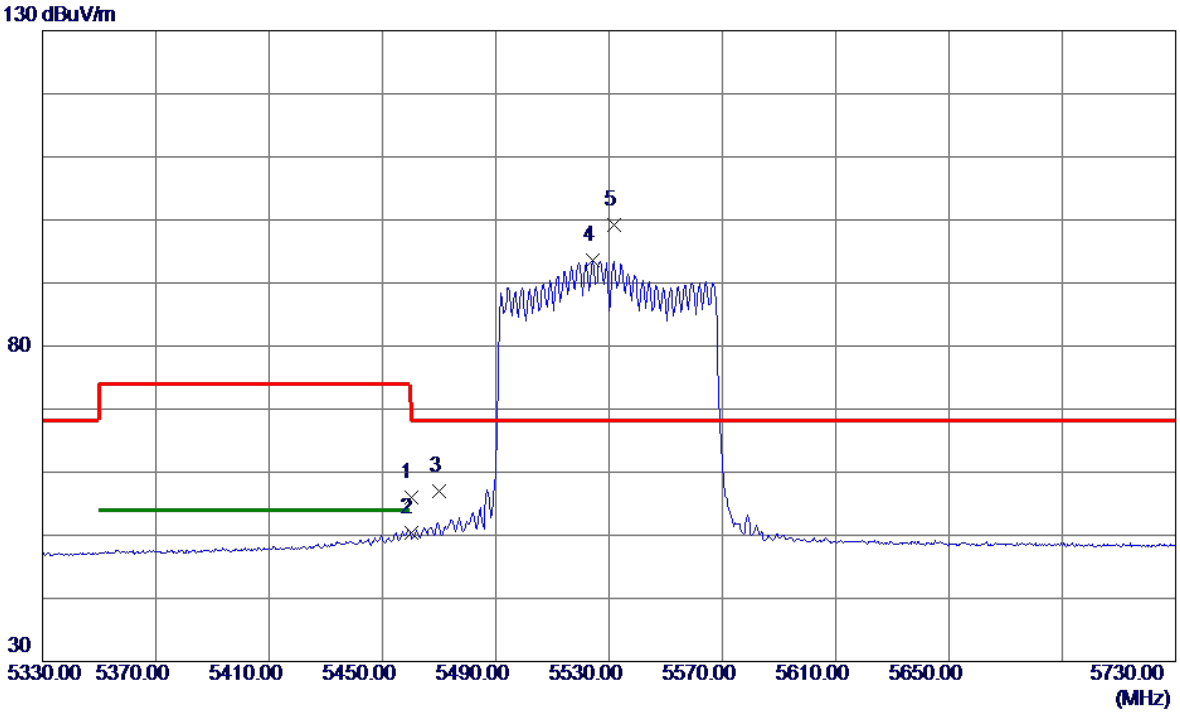
| Test Mode | UNII-2C_TX AC(VHT40) Mode 5670 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 17009.4500 | 49.00 | 9.43 | 58.43 | 68.20 | -9.77 | Peak | |

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

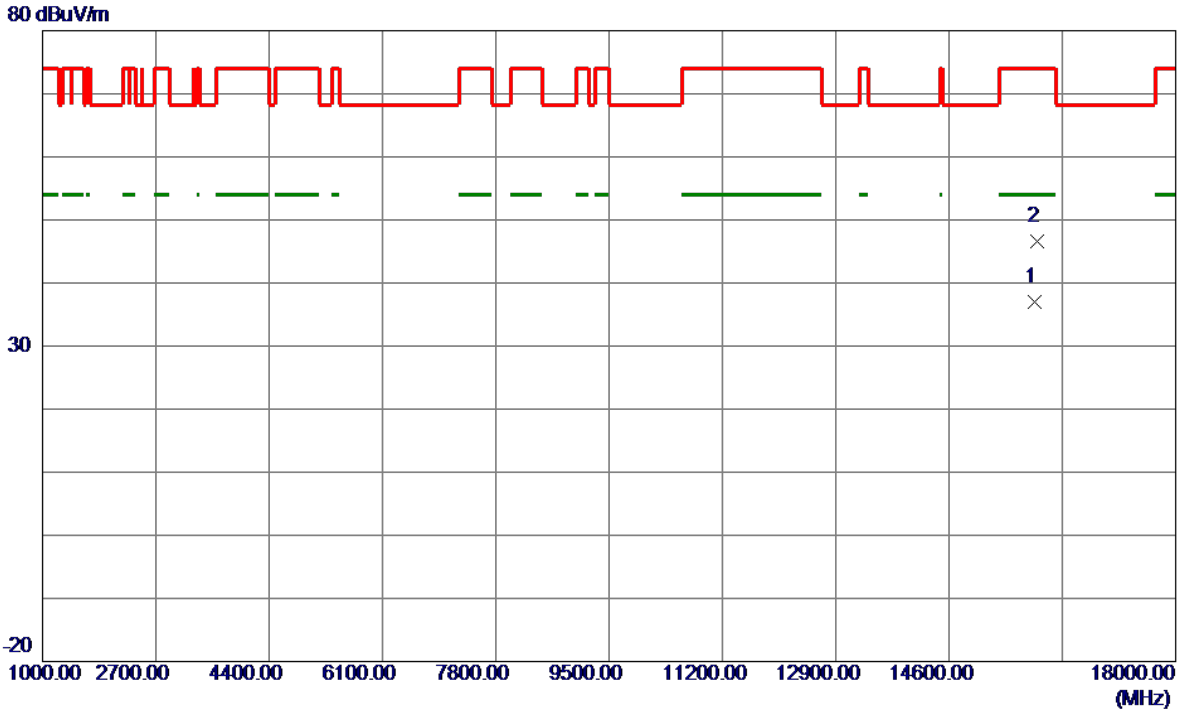
| Test Mode | UNII-2C_TX AC(VHT80) Mode 5530 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5460.0000 | 43.87 | 12.19 | 56.06 | 74.00 | -17.94 | Peak | |
| 2 | 5460.0000 | 38.19 | 12.19 | 50.38 | 54.00 | -3.62 | AVG | |
| 3 | 5470.0000 | 44.85 | 12.21 | 57.06 | 68.20 | -11.14 | Peak | |
| 4 | 5524.4000 | 81.17 | 12.35 | 93.52 | 999.00 | -905.48 | AVG | No Limit |
| 5 * | 5531.8000 | 86.89 | 12.38 | 99.27 | 68.20 | 31.07 | Peak | No Limit |

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

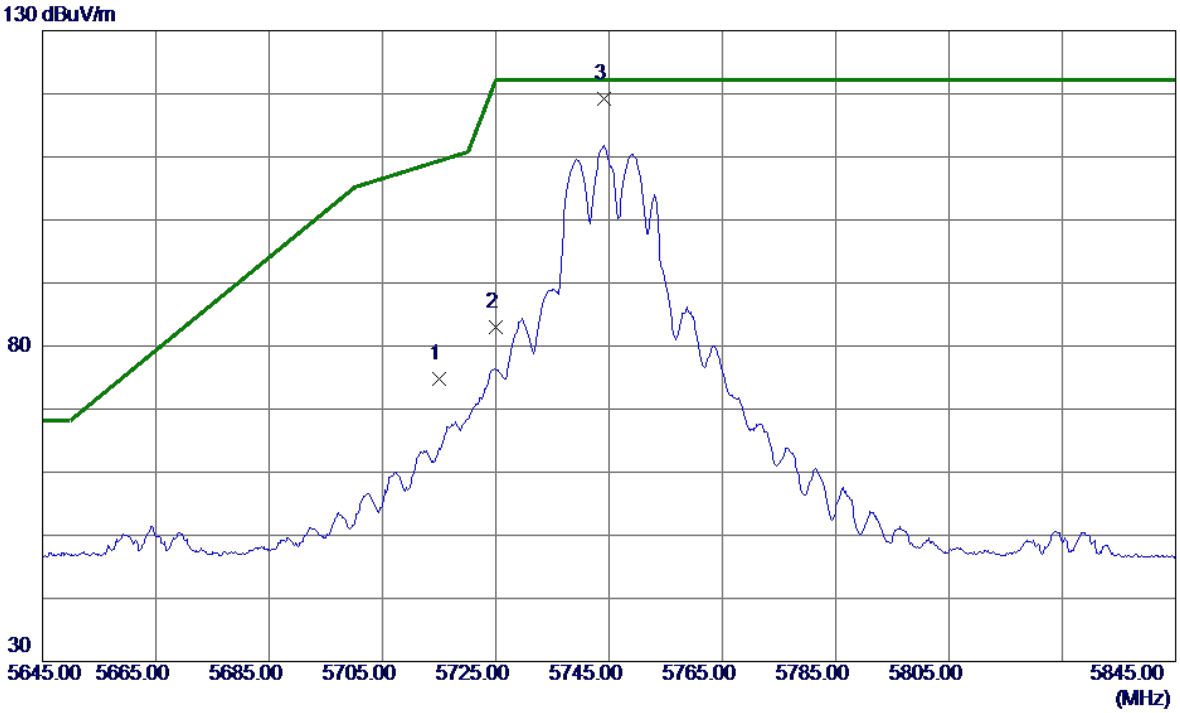
| Test Mode | UNII-2C_TX AC(VHT80) Mode 5530 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 15884.2000 | 29.20 | 7.82 | 37.02 | 54.00 | -16.98 | AVG | |
| 2 | 15918.2000 | 38.73 | 7.85 | 46.58 | 74.00 | -27.42 | Peak | |

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

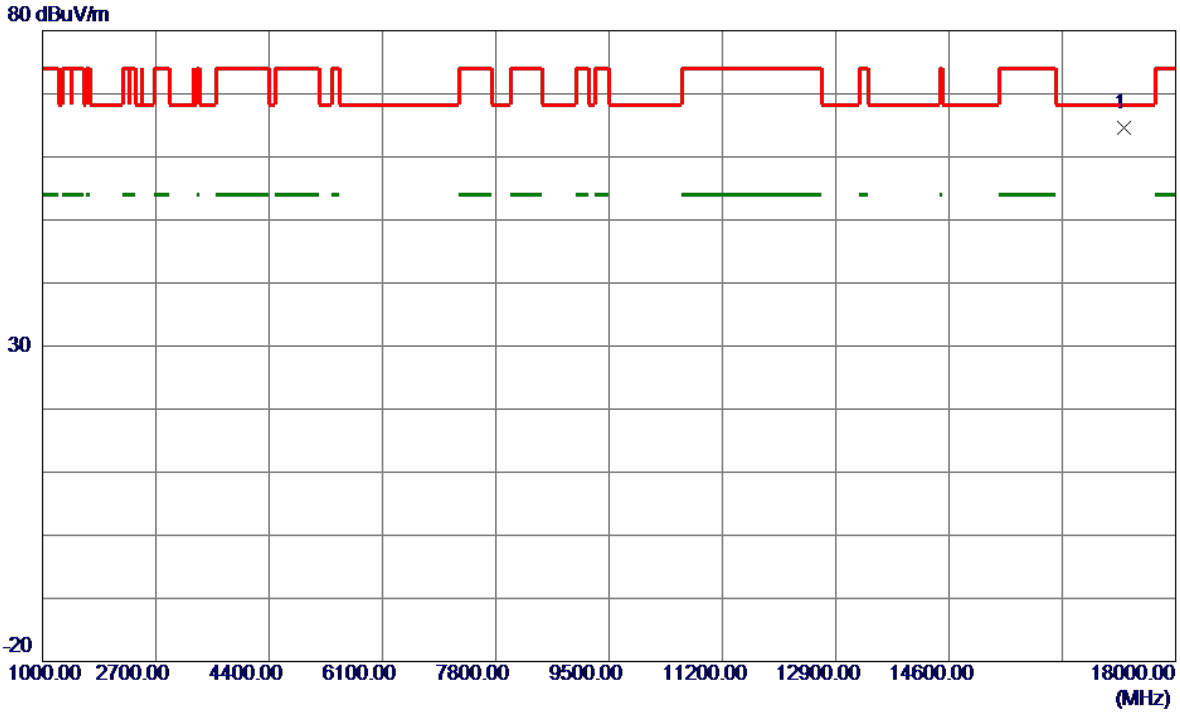
| Test Mode | UNII-3_TX A Mode 5745 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5715.0000 | 61.84 | 12.97 | 74.81 | 109.40 | -34.59 | Peak | |
| 2 | 5725.0000 | 70.02 | 13.00 | 83.02 | 122.20 | -39.18 | Peak | |
| 3 * | 5744.1000 | 106.09 | 13.06 | 119.15 | 122.20 | -3.05 | Peak | No Limit |

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

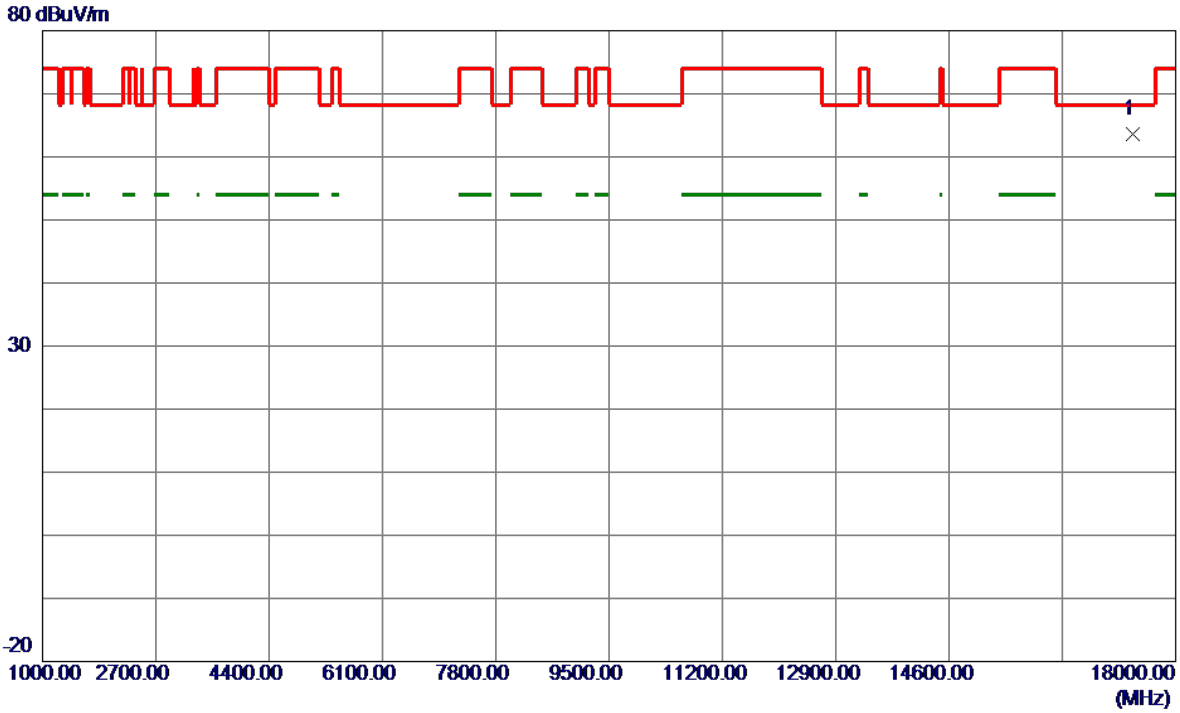
| Test Mode | UNII-3_TX A Mode 5745 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 17233.2000 | 54.70 | 9.89 | 64.59 | 68.20 | -3.61 | Peak | |

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

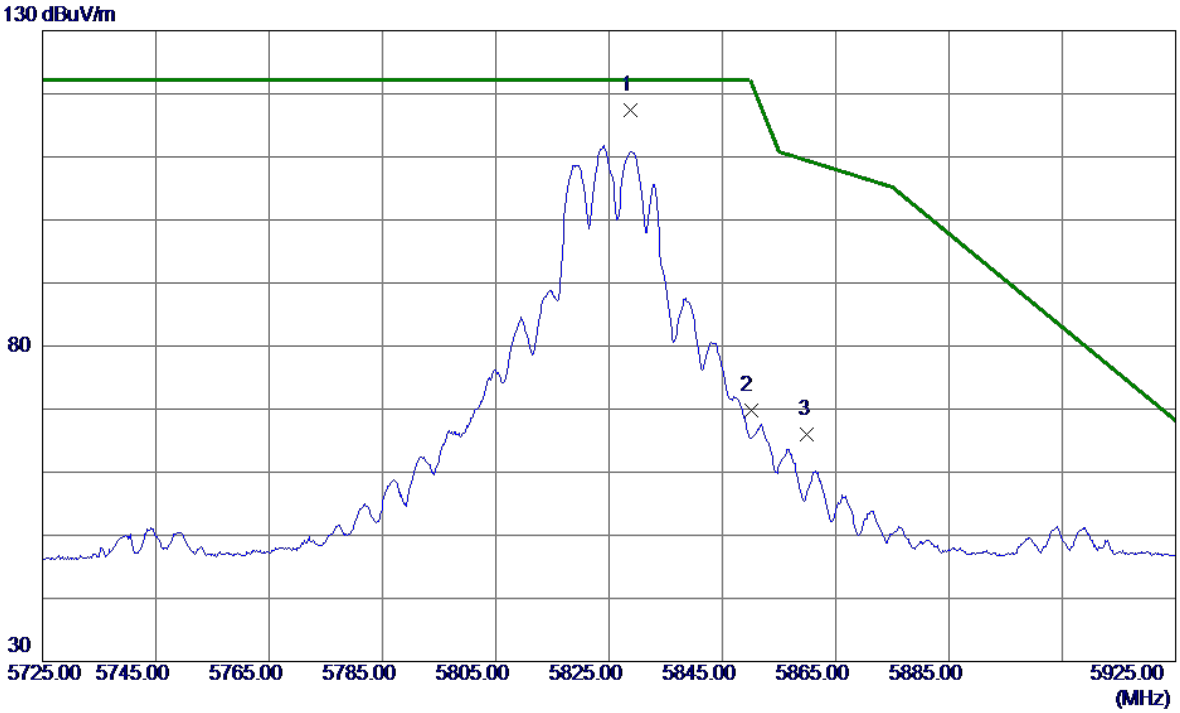
| Test Mode | UNII-3_TX A Mode 5785 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 17350.3500 | 53.54 | 10.13 | 63.67 | 68.20 | -4.53 | Peak | |

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

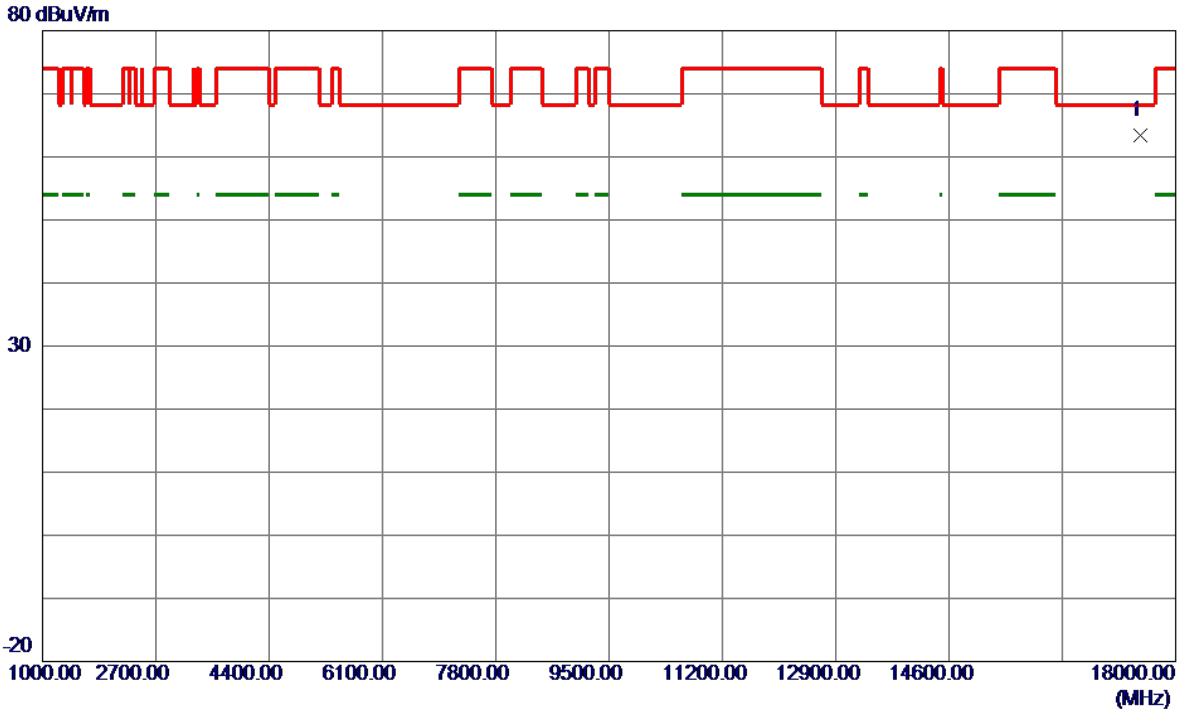
| Test Mode | UNII-3_TX A Mode 5825 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 5828.8000 | 104.08 | 13.33 | 117.41 | 122.20 | -4.79 | Peak | No Limit |
| 2 | 5850.0000 | 56.39 | 13.40 | 69.79 | 122.20 | -52.41 | Peak | |
| 3 | 5860.0000 | 52.62 | 13.43 | 66.05 | 109.40 | -43.35 | Peak | |

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

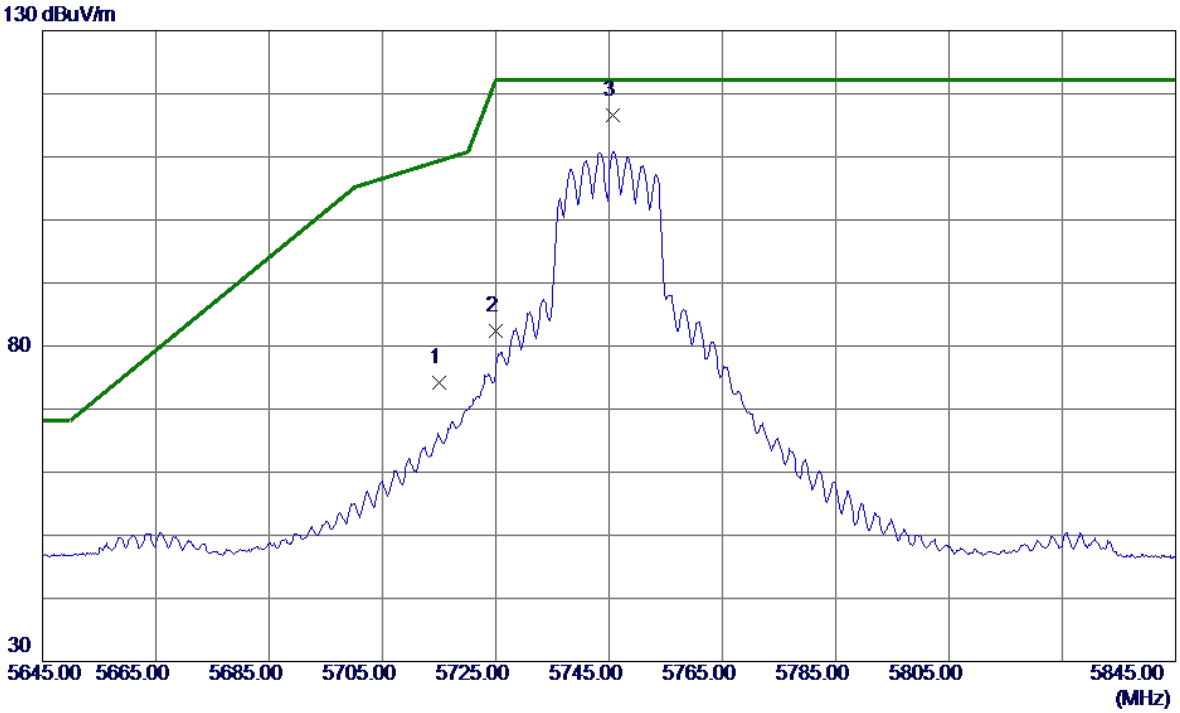
| Test Mode | UNII-3_TX A Mode 5825 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 17473.2250 | 52.93 | 10.38 | 63.31 | 68.20 | -4.89 | Peak | |

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

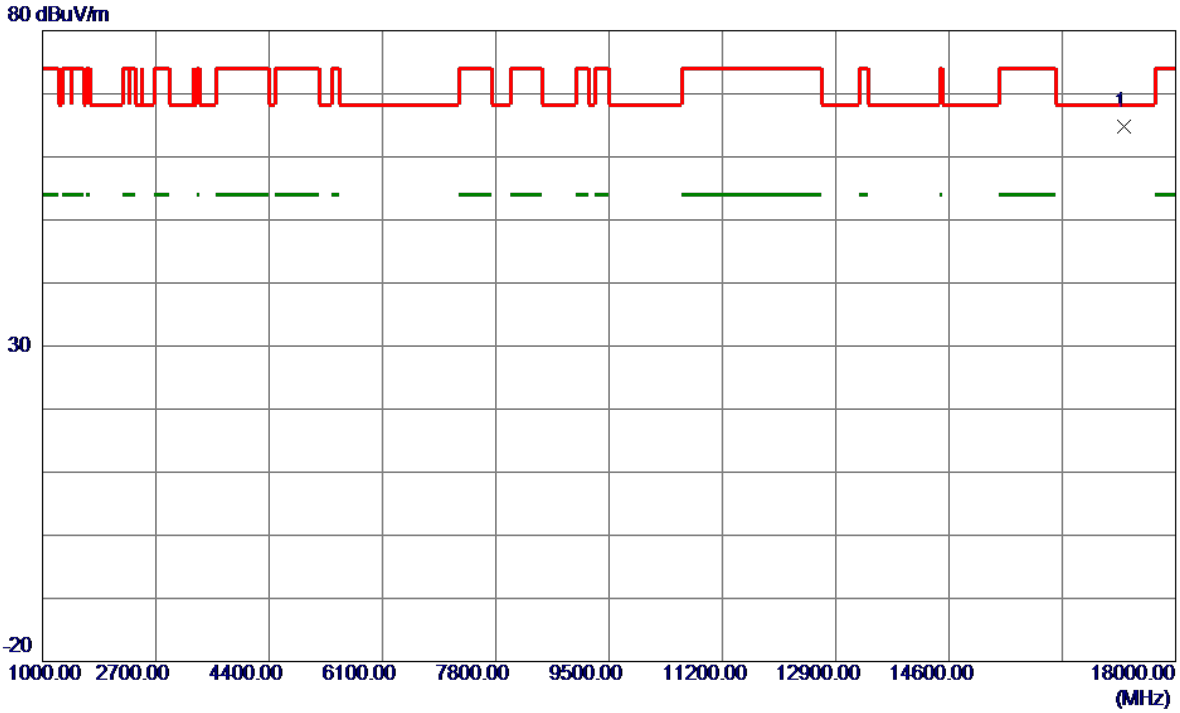
| Test Mode | UNII-3_TX AC(VHT20) Mode 5745 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5715.0000 | 61.17 | 12.97 | 74.14 | 109.40 | -35.26 | Peak | |
| 2 | 5725.0000 | 69.46 | 13.00 | 82.46 | 122.20 | -39.74 | Peak | |
| 3 * | 5745.6000 | 103.62 | 13.06 | 116.68 | 122.20 | -5.52 | Peak | No Limit |

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

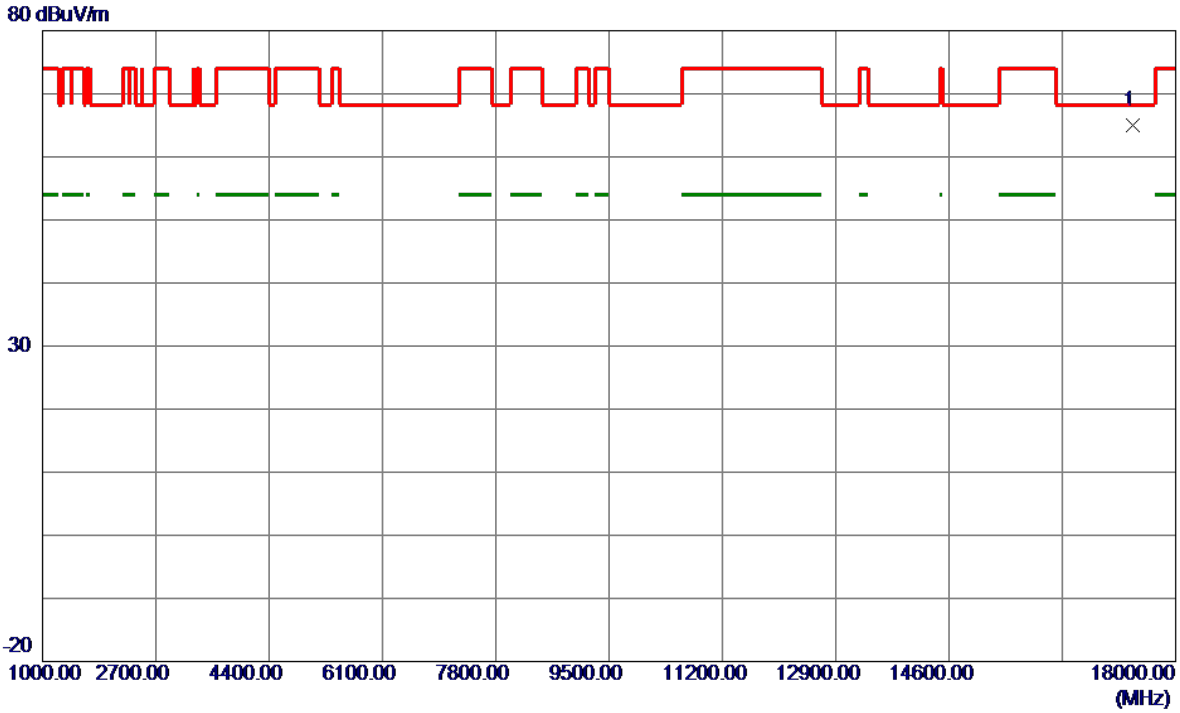
| Test Mode | UNII-3_TX AC(VHT20) Mode 5745 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 17232.2250 | 54.97 | 9.89 | 64.86 | 68.20 | -3.34 | Peak | |

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

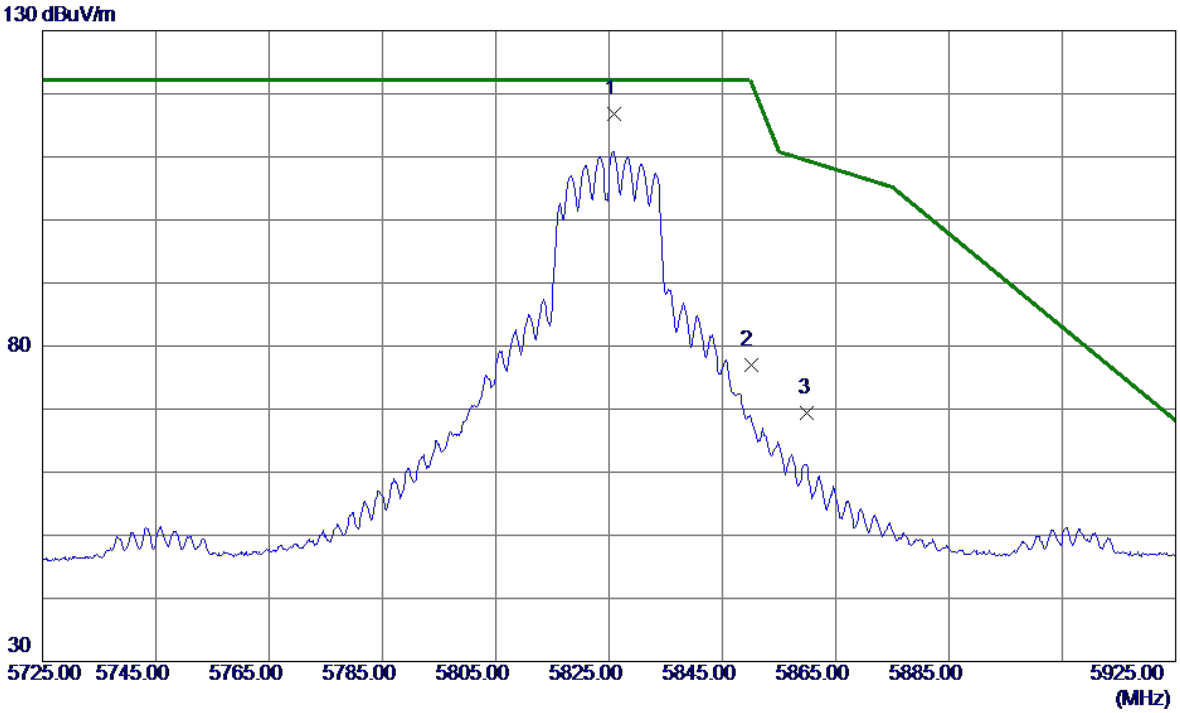
| Test Mode | UNII-3_TX AC(VHT20) Mode 5785 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 17352.7500 | 54.77 | 10.13 | 64.90 | 68.20 | -3.30 | Peak | |

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

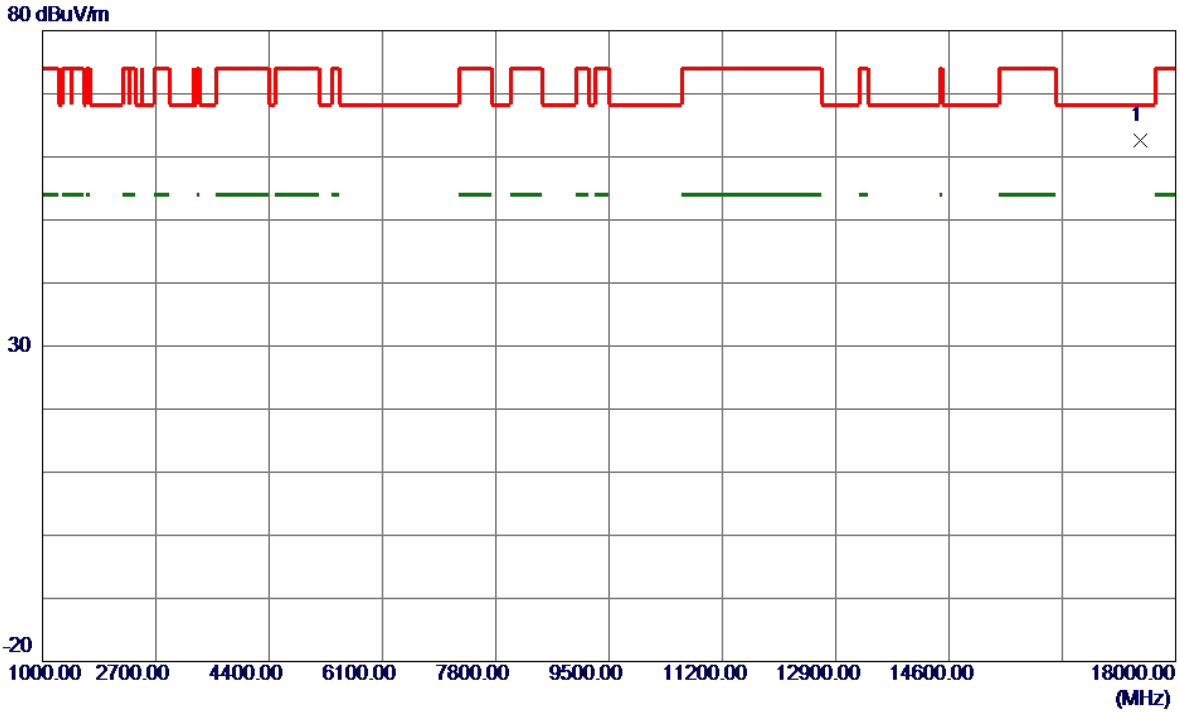
| Test Mode | UNII-3_TX AC(VHT20) Mode 5825 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 5825.9000 | 103.50 | 13.32 | 116.82 | 122.20 | -5.38 | Peak | No Limit |
| 2 | 5850.0000 | 63.67 | 13.40 | 77.07 | 122.20 | -45.13 | Peak | |
| 3 | 5860.0000 | 56.03 | 13.43 | 69.46 | 109.40 | -39.94 | Peak | |

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

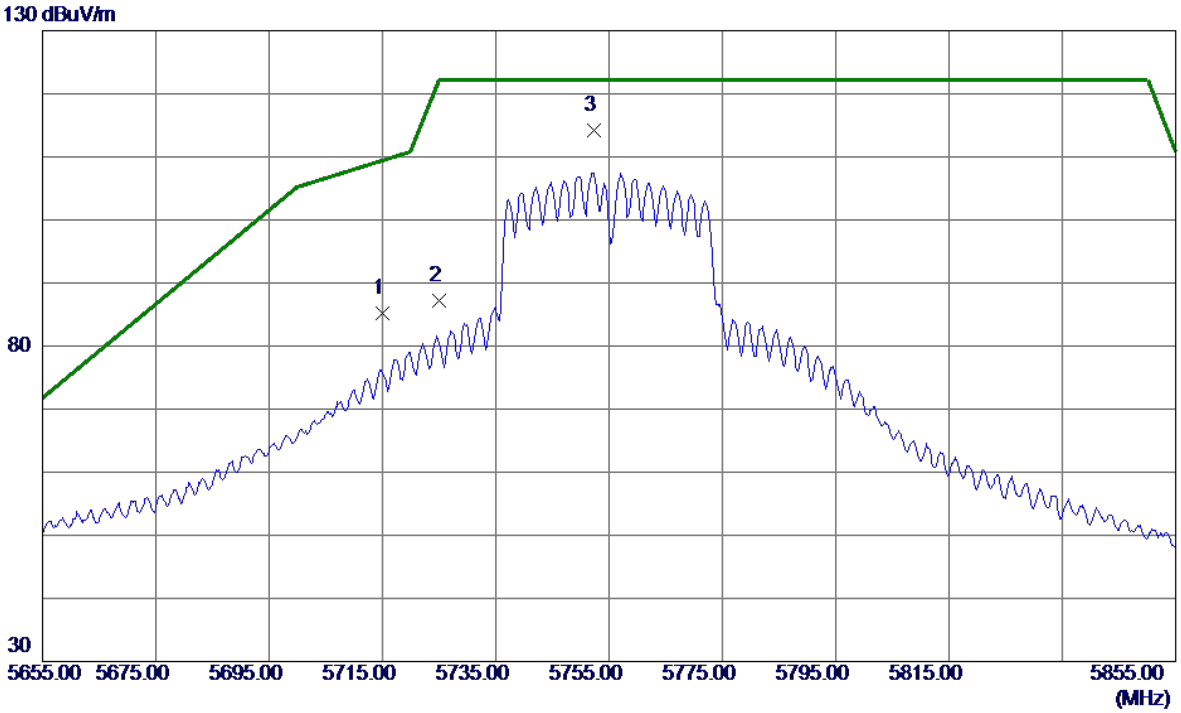
| Test Mode | UNII-3_TX AC(VHT20) Mode 5825 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 17466.0750 | 52.22 | 10.37 | 62.59 | 68.20 | -5.61 | Peak | |

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

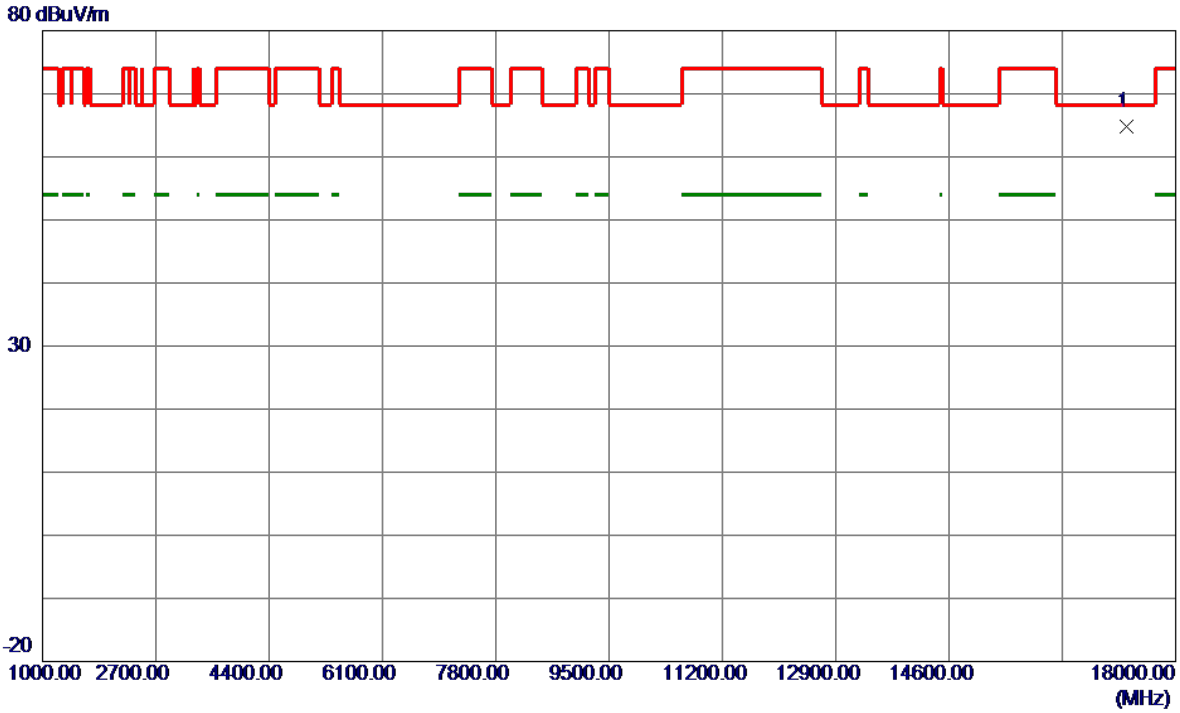
| Test Mode | UNII-3_TX AC(VHT40) Mode 5755 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 5715.0000 | 72.32 | 12.97 | 85.29 | 109.40 | -24.11 | Peak | |
| 2 | 5725.0000 | 74.12 | 13.00 | 87.12 | 122.20 | -35.08 | Peak | |
| 3 * | 5752.3000 | 101.04 | 13.08 | 114.12 | 122.20 | -8.08 | Peak | No Limit |

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

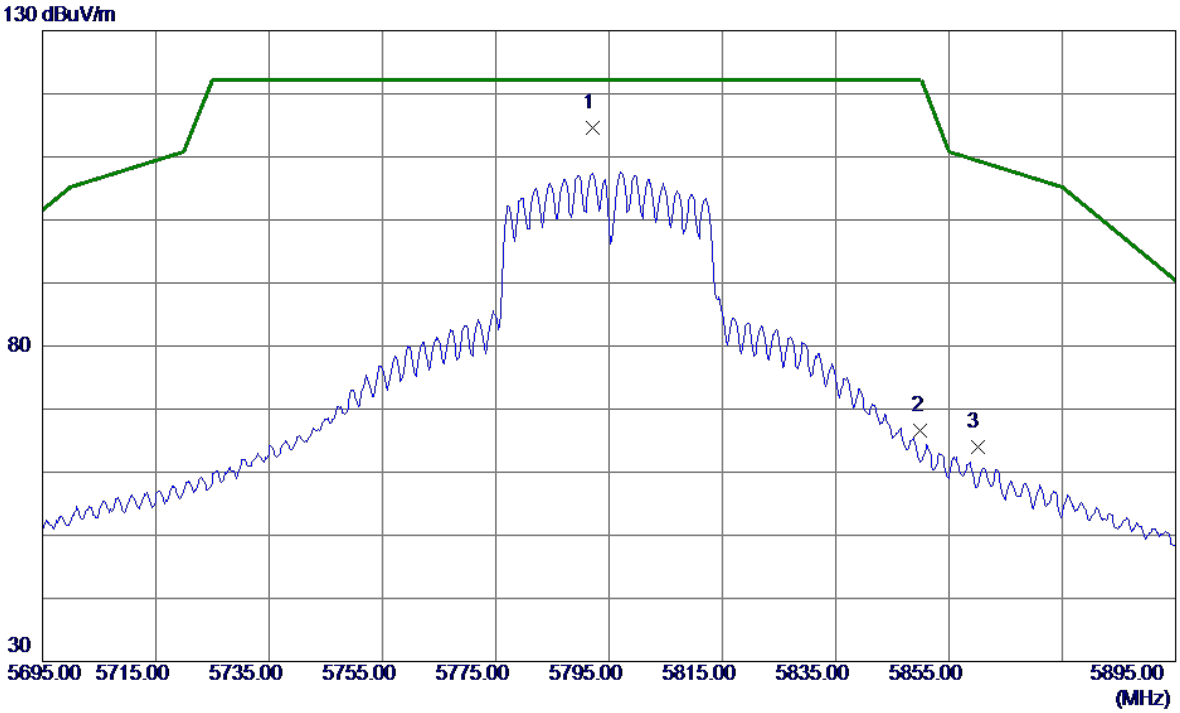
| Test Mode | UNII-3_TX AC(VHT40) Mode 5755 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 17255.3000 | 54.91 | 9.93 | 64.84 | 68.20 | -3.36 | Peak | |

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

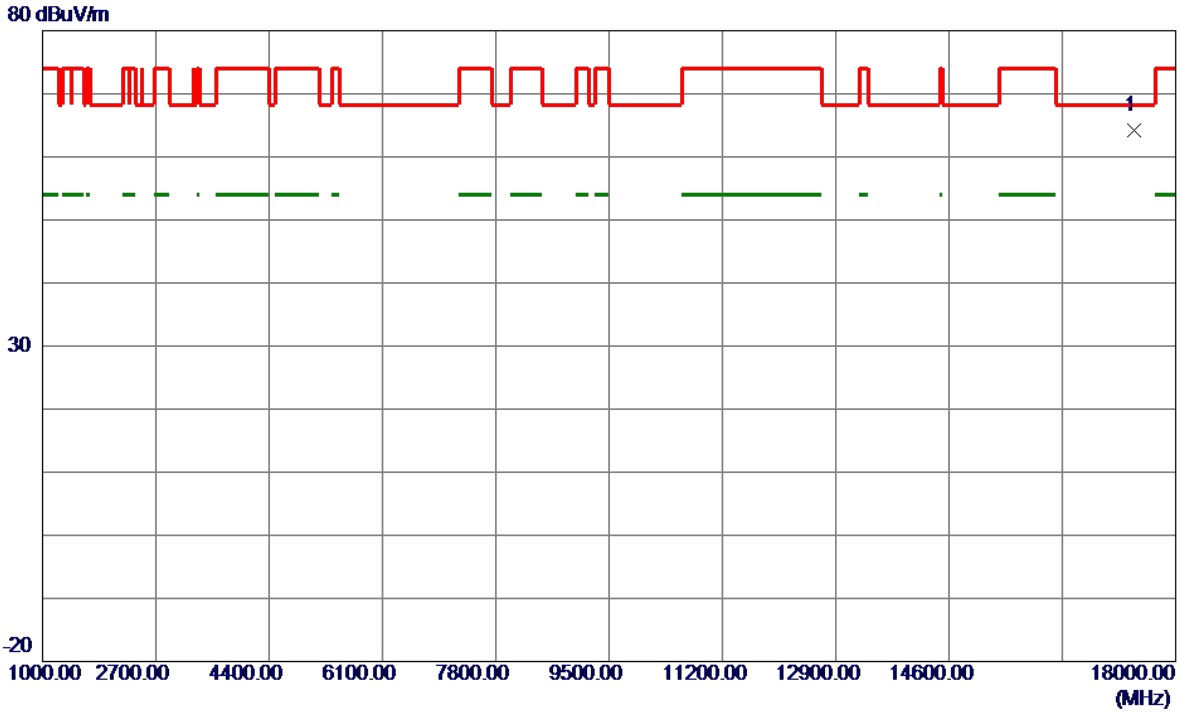
| Test Mode | UNII-3_TX AC(VHT40) Mode 5795 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 5792.2000 | 101.32 | 13.21 | 114.53 | 122.20 | -7.67 | Peak | No Limit |
| 2 | 5850.0000 | 53.17 | 13.40 | 66.57 | 122.20 | -55.63 | Peak | |
| 3 | 5860.0000 | 50.65 | 13.43 | 64.08 | 109.40 | -45.32 | Peak | |

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

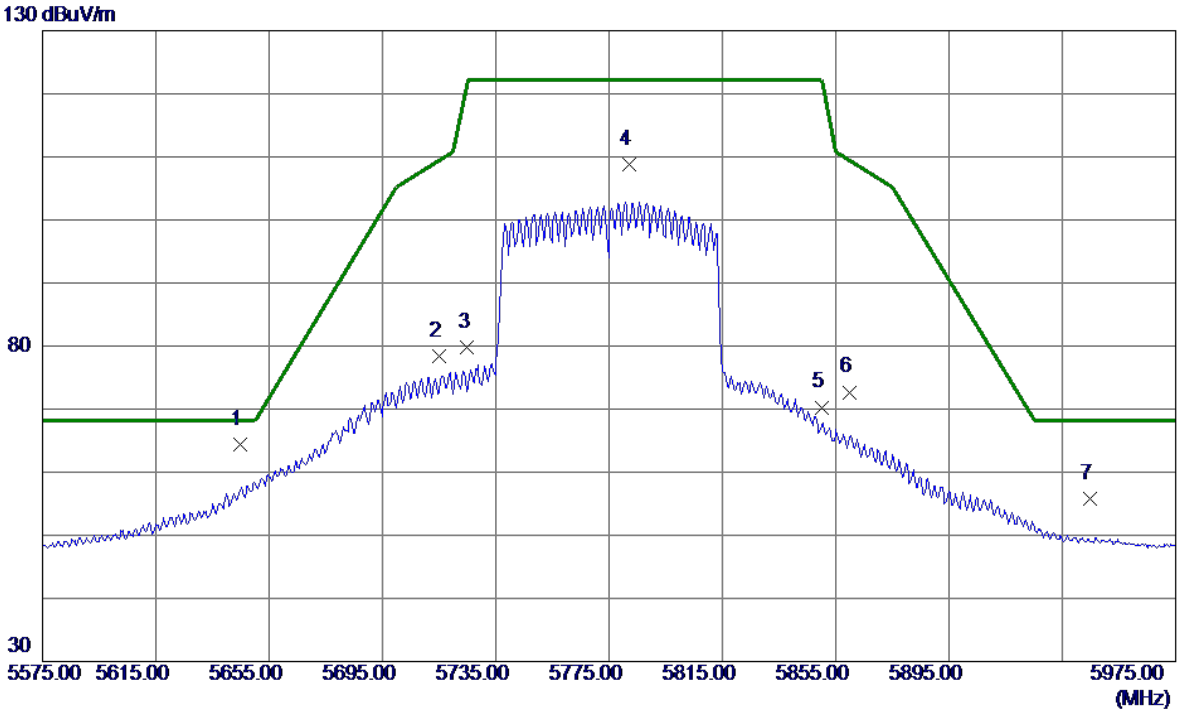
| Test Mode | UNII-3_TX AC(VHT40) Mode 5795 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 17381.4500 | 54.06 | 10.19 | 64.25 | 68.20 | -3.95 | Peak | |

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

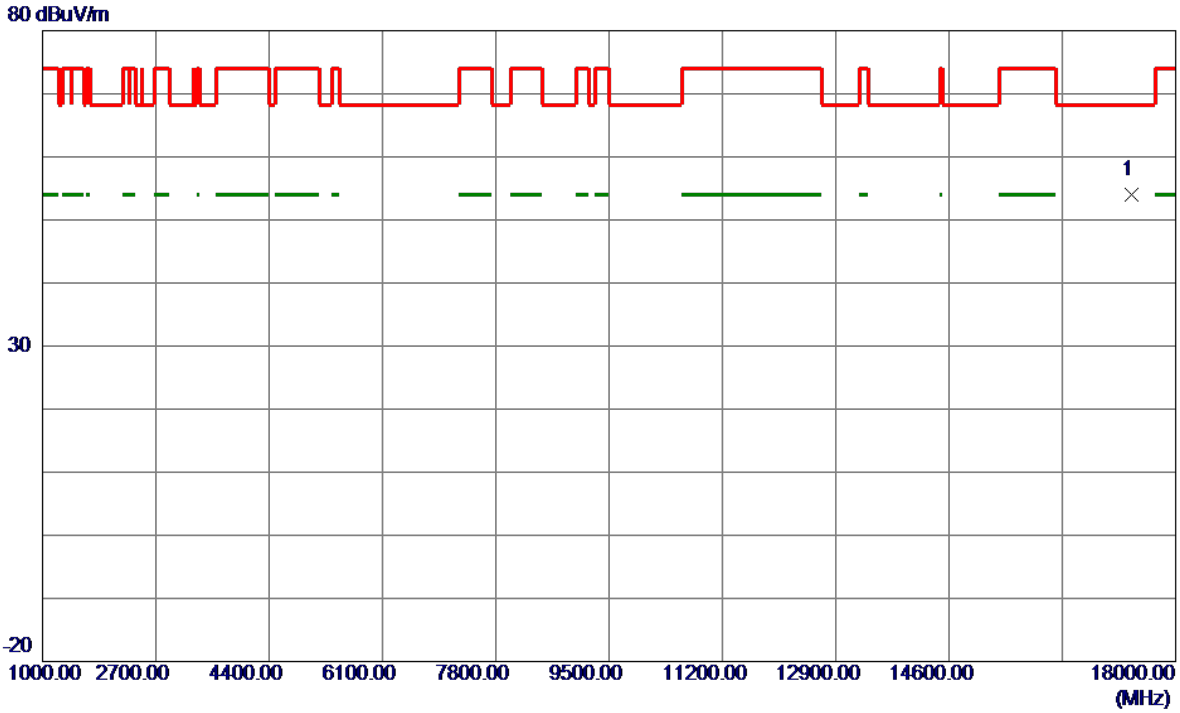
| Test Mode | UNII-3_TX AC(VHT80) Mode 5775 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 5644.6000 | 51.68 | 12.74 | 64.42 | 68.20 | -3.78 | Peak | |
| 2 | 5715.0000 | 65.37 | 12.97 | 78.34 | 109.40 | -31.06 | Peak | |
| 3 | 5725.0000 | 66.81 | 13.00 | 79.81 | 122.20 | -42.39 | Peak | |
| 4 | 5782.0000 | 95.65 | 13.18 | 108.83 | 122.20 | -13.37 | Peak | No Limit |
| 5 | 5850.0000 | 56.90 | 13.40 | 70.30 | 122.20 | -51.90 | Peak | |
| 6 | 5860.0000 | 59.27 | 13.43 | 72.70 | 109.40 | -36.70 | Peak | |
| 7 | 5944.8000 | 42.03 | 13.70 | 55.73 | 68.20 | -12.47 | Peak | |

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

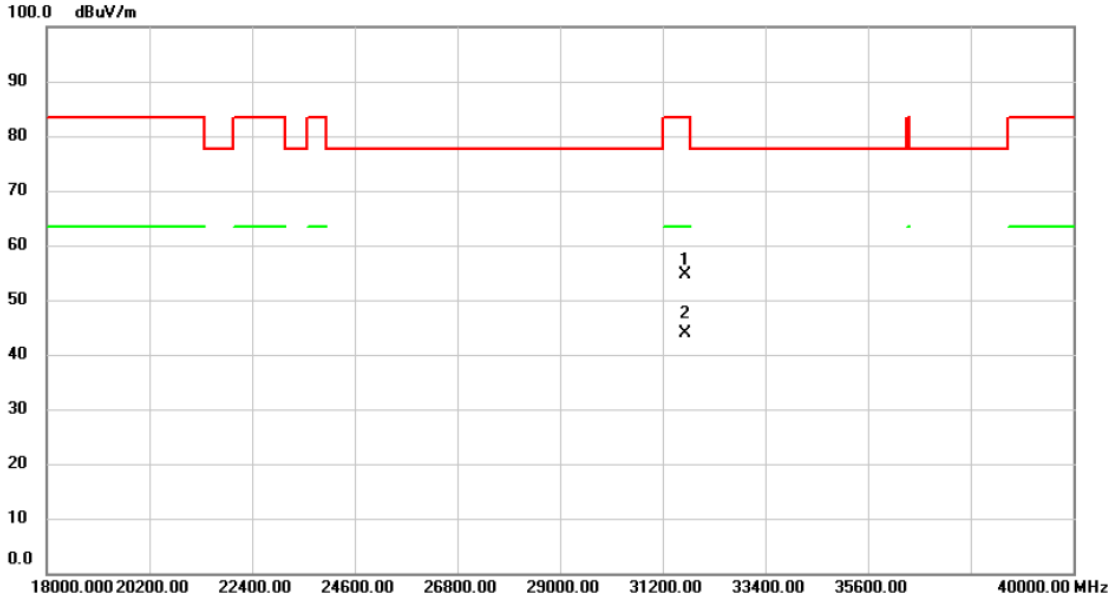
| Test Mode | UNII-3_TX AC(VHT80) Mode 5775 MHz | Polarization | Vertical |
|---|---|---|---|




| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 17335.9000 | 43.85 | 10.10 | 53.95 | 68.20 | -14.25 | Peak | |

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

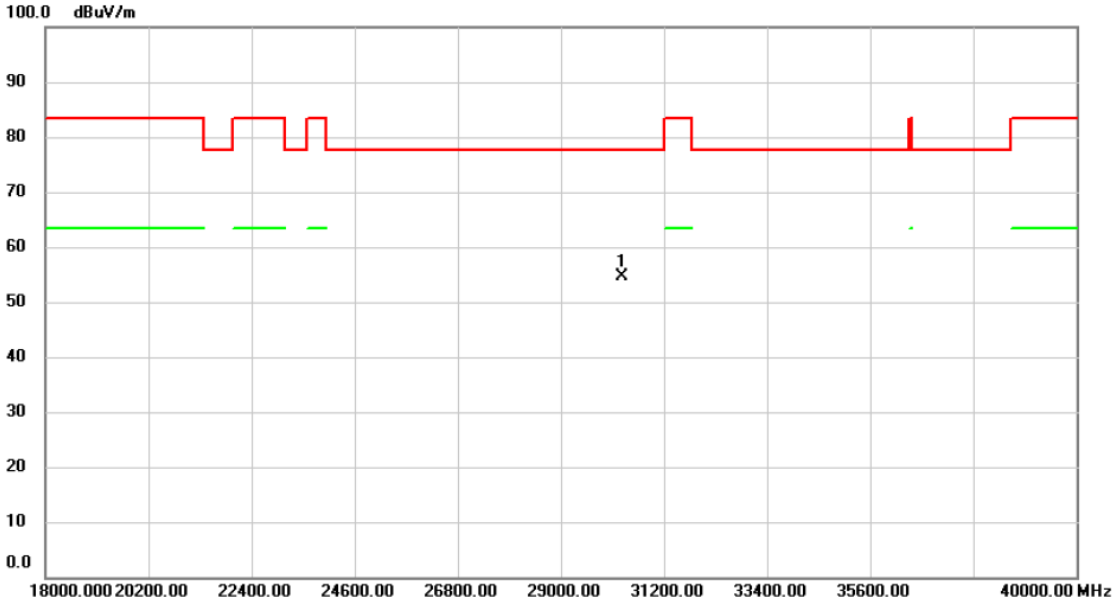
| Test Mode | TX AC(VHT20) Mode Channel 165 (UNII-3) | Polarization | Vertical |
|---|---|---|---|




| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 31684.000 | 45.81 | 8.89 | 54.70 | 83.50 | -28.80 | peak | |
| 2 | * | 31684.000 | 34.87 | 8.89 | 43.76 | 63.50 | -19.74 | AVG | |

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

| Test Mode | TX AC(VHT20) Mode Channel 165 (UNII-3) | Polarization | Horizontal |
|---|---|---|---|




| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Margin | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 30309.000 | 45.80 | 8.79 | 54.59 | 77.70 | -23.11 | peak | |

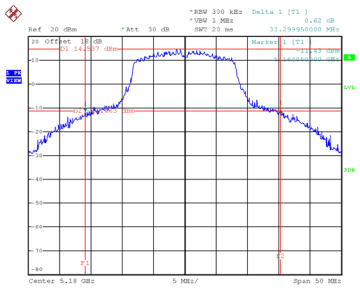
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

# APPENDIX E - BANDWIDTH

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

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) |
|---|---|---|---|
| 36 | 5180 | 31.300 | 17.900 |
| 40 | 5200 | 32.600 | 18.200 |
| 48 | 5240 | 30.497 | 17.700 |

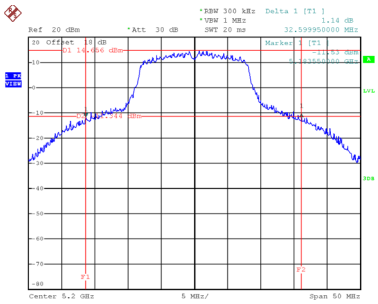
**CH36**



Date: 19.APR.2024 17:07:05

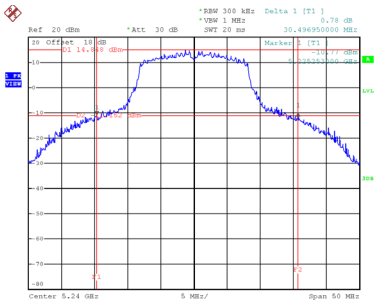
**CH40**

26 dB Bandwidth



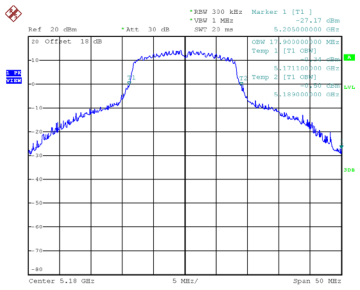
Date: 19.APR.2024 17:07:52

**CH48**

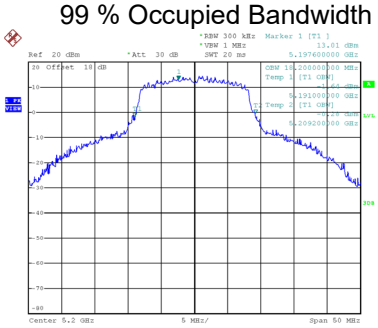


Date: 19.APR.2024 17:08:26

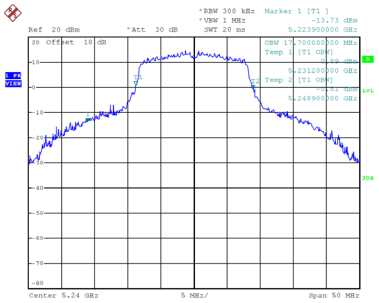
99 % Occupied Bandwidth



Date: 19.APR.2024 17:06:47



Date: 19.APR.2024 17:07:33



Date: 19.APR.2024 17:08:07