# TEST REPORT

<table>
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</table>

1. Report No : DRTFCC2002-0046(1)

2. Customer

   • Name : LG Electronics USA, Inc.

   • Address : 1000 Sylvan Ave. Englewood Cliffs, New Jersey, United States 07632

3. Use of Report : FCC Original Grant

4. Product Name / Model Name : Mobile Phone / LM-V600EA

   FCC ID : ZNFV600EA

5. Test Method Used : KDB789033 D02v02r01

   Test Specification : FCC Part 15.407 Subpart E

6. Date of Test : 2020.01.06 ~ 2020.02.10

7. Testing Environment : Refer to appended test report.

8. Test Result : Refer to the attached test result.

<table>
<tr><td rowspan="2">Affirmation</td><td>Tested by</td><td></td><td>Reviewed by</td><td></td></tr>
<tr><td>Name : JungWoo Kim</td><td>(Signature)</td><td>Name : JaeJin Lee</td><td>(Signature)</td></tr>
</table>

The test results presented in this test report are limited only to the sample supplied by applicant and the use of this test report is inhibited other than its purpose. This test report shall not be reproduced except in full, without the written approval of DT&C Co., Ltd.

## 2020 . 02 . 24 .

## DT&C Co., Ltd.

# Test Report Version

| Test Report No. | Date | Description | Tested by | Reviewed by |
|---|---|---|---|---|
| DRTFCC2002-0046 | Feb. 14, 2020 | Initial issue | JungWoo Kim | JaeJin Lee |
| DRTFCC2002-0046(1) | Feb. 24, 2020 | Revised the section 8.4 | JungWoo Kim | JaeJin Lee |
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# CONTENTS

# 1. EUT DESCRIPTION

| FCC Equipment Class | Unlicensed National Information Infrastructure (UNII) |
|---|---|
| **Product** | Mobile Phone |
| **Model Name** | LM-V600EA |
| **Add Model Name** | LMV600EA, V600EA |
| **Power Supply** | DC 3.87 V |
| **Modulation type** | OFDM, OFDMA |
| **Antenna Specification** | **Antenna type:** PIFA Antenna<br>**Antenna gain:** Refer to the clause 7 in test report. |

| 5GHz Band | Mode | Tx frequency (MHz) | Max power(dBm) |
|---|---|---|---|
| **U-NII 1** | 802.11ax(HE20)_OFDMA | 5180 ~ 5240 | 11.84 |
| | 802.11ax(HE20)_OFDM | 5180 ~ 5240 | **17.70** |
| | 802.11ax(HE40)_OFDMA | 5190 ~ 5230 | 12.10 |
| | 802.11ax(HE40)_OFDM | 5190 ~ 5230 | 16.85 |
| | 802.11ax(HE80)_OFDMA | 5210 | 12.06 |
| | 802.11ax(HE80)_OFDM | 5210 | 13.43 |
| **U-NII 2A** | 802.11ax(HE20)_OFDMA | 5260 ~ 5320 | 11.90 |
| | 802.11ax(HE20)_OFDM | 5260 ~ 5320 | **17.64** |
| | 802.11ax(HE40)_OFDMA | 5270 ~ 5310 | 12.17 |
| | 802.11ax(HE40)_OFDM | 5270 ~ 5310 | 16.85 |
| | 802.11ax(HE80)_OFDMA | 5290 | 12.12 |
| | 802.11ax(HE80)_OFDM | 5290 | 13.32 |
| **U-NII 2C** | 802.11ax(HE20)_OFDMA | 5500 ~ 5720 | 12.03 |
| | 802.11ax(HE20)_OFDM | 5500 ~ 5720 | **17.69** |
| | 802.11ax(HE40)_OFDMA | 5510 ~ 5710 | 12.47 |
| | 802.11ax(HE40)_OFDM | 5510 ~ 5710 | 17.04 |
| | 802.11ax(HE80)_OFDMA | 5530 ~ 5690 | 12.35 |
| | 802.11ax(HE80)_OFDM | 5530 ~ 5690 | 15.64 |
| **U-NII 3** | 802.11ax(HE20)_OFDMA | 5745 ~ 5825 | 11.98 |
| | 802.11ax(HE20)_OFDM | 5745 ~ 5825 | **17.59** |
| | 802.11ax(HE40)_OFDMA | 5755 ~ 5795 | 12.44 |
| | 802.11ax(HE40)_OFDM | 5755 ~ 5795 | 17.04 |
| | 802.11ax(HE80)_OFDMA | 5775 | 12.24 |
| | 802.11ax(HE80)_OFDM | 5775 | 15.29 |

# 2. Information about test items

## 2.1 Transmitting configuration of EUT

| Mode | SISO | | MIMO (CDD) | MIMO (SDM) |
|---|---|---|---|---|
| | Ant 1 | Ant 2 | Ant 1 & 2 | Ant 1 & 2 |
| | Data rate | | | |
| 802.11ax(HE20) | MCS 0 ~ 11(1SS) | MCS 0 ~ 11(1SS) | MCS 0 ~ 11(1SS) | MCS 0 ~ 11(2SS) |
| 802.11ax(HE40) | MCS 0 ~ 11(1SS) | MCS 0 ~ 11(1SS) | MCS 0 ~ 11(1SS) | MCS 0 ~ 11(2SS) |
| 802.11ax(HE80) | MCS 0 ~ 11(1SS) | MCS 0 ~ 11(1SS) | MCS 0 ~ 11(1SS) | MCS 0 ~ 11(2SS) |

Note1: SDM = Spatial Diversity Multiplexing, CDD = Cycle Delay Diversity, SS = Spatial Streams

Note2: This device supports WiFi DBS(dual-band simultaneous) transmission operation, which allows for two SISO channels to operate independent of one another in the 2.4GHz and 5GHz bands simultaneously on each antenna. (Ant 1: 2.4GHz band transmitting & ANT 2: 5GHz band transmitting + Ant 1 : 2.4G/5G bands transmitting & Ant 2 : 2.4G/5G bands transmitting) And the test results for WiFi DBS were included in 802.11a/n(HT20) /n(HT40) /ac(VHT20) /ac(VHT40) /ac(VHT80) UNII-WLAN test report.

## 2.2 Tested Channel Information

| 5GHz Band | 802.11ax(HE20) | | |
|---|---|---|---|
| | **Channel** | **Frequency [MHz]** | **Tones(RU)** |
| U-NII 1 | 36 | 5180 | 26(0, 4, 8)<br>52(37, 38, 40)<br>106(53, 54)<br>242(61)<br>SU |
| | 40 | 5200 | |
| | 48 | 5240 | |
| U-NII 2A | 52 | 5260 | |
| | 60 | 5300 | |
| | 64 | 5320 | |
| U-NII 2C | 100 | 5500 | |
| | 120 | 5600 | |
| | 144 | 5720 | |
| U-NII 3 | 149 | 5745 | |
| | 157 | 5785 | |
| | 165 | 5825 | |

| 5GHz Band | 802.11ax(HE40) | | |
|---|---|---|---|
| | **Channel** | **Frequency [MHz]** | **Tones(RU)** |
| U-NII 1 | 38 | 5190 | 26(0, 8, 17)<br>52(37, 40, 44)<br>106(53, 54, 56)<br>242(61, 62)<br>484(65)<br>SU |
| | 46 | 5230 | |
| U-NII 2A | 54 | 5270 | |
| | 62 | 5310 | |
| U-NII 2C | 102 | 5510 | |
| | 118 | 5590 | |
| | 142 | 5710 | |
| U-NII 3 | 151 | 5755 | |
| | 159 | 5795 | |

| 5GHz Band | 802.11ax(HE80) | | |
|---|---|---|---|
| | **Channel** | **Frequency [MHz]** | **Tones(RU)** |
| U-NII 1 | 42 | 5210 | 26(0, 18, 36)<br>52(37, 44, 52)<br>106(53, 56, 60)<br>242(61, 62, 64)<br>484(65, 66)<br>996(67<br>SU |
| U-NII 2A | 58 | 5290 | |
| U-NII 2C | 106 | 5530 | |
| | 122 | 5610 | |
| | 138 | 5690 | |
| U-NII 3 | 155 | 5775 | |

## 2.3 Testing Environment

| | | |
|---|---|---|
| **Temperature** | : | 20 °C ~ 25 °C |
| **Relative humidity content** | : | 36 % ~ 45 % |
| **Details of power supply** | : | DC 3.87 V |

## 2.4 EMI Suppression Device(s)/Modifications

EMI suppression device(s) added and/or modifications made during testing
→ None

## 2.5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with requirements of ANSI C 63.4-2014 and ANSI C 63.10-2013. All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95 % level of confidence.

| Test items | Measurement uncertainty |
|---|---|
| Transmitter Output Power | 0.7 dB (The confidence level is about 95 %, k = 2) |
| Conducted spurious emission | 0.9 dB (The confidence level is about 95 %, k = 2) |
| AC conducted emission | 2.4 dB (The confidence level is about 95 %, k = 2) |
| Radiated spurious emission (1 GHz Below) | 5.1 dB (The confidence level is about 95 %, k = 2) |
| Radiated spurious emission (1 GHz ~ 18 GHz) | 5.4 dB (The confidence level is about 95 %, k = 2) |
| Radiated spurious emission (18 GHz Above) | 5.3 dB (The confidence level is about 95 %, k = 2) |

# 3. SUMMARY OF TESTS

| FCC Part Section(s) | RSS Section(s) | Parameter | Limit | Test Condition | Status Note 1 |
|---|---|---|---|---|---|
| 15.407(a) | RSS-247(6.2) | Emission Bandwidth (26 dB Bandwidth) | N/A | Conducted | C |
| 15.407(e) | RSS-247(6.2) | Minimum Emission Bandwidth (6 dB Bandwidth) | > 500 kHz in 5725 ~ 5850 MHz | | C |
| 15.407(a) | RSS-247(6.2) | Maximum Conducted Output Power | 5150 ~ 5250 MHz : < 23.97 dBm<br><br>5250 ~ 5350 & 5470 ~ 5725 MHz : < 250 mW or < 11 + 10 log10(B) dBm, whichever power is less. (B is the 26dB BW.)<br><br>5725 ~ 5850 MHz : < 30 dBm | | C |
| 15.407(a) | RSS-247(6.2) | Peak Power Spectral Density | 5150 ~ 5250 MHz : 11 dBm/MHz<br>5250 ~ 5350 MHz : 11 dBm/MHz<br>5470 ~ 5725 MHz : 11 dBm/MHz<br>5725 ~ 5850 MHz : 30 dBm/500kHz | | C |
| 15.407(b) | RSS-247(6.2) | Undesirable Emissions | 5150 ~ 5725 MHz: < -27 dBm/MHz EIRP<br>5725 ~ 5850 MHz: < -27 dBm/MHz or < 10 dBm/MHz or 15.6 dBm/MHz < 27dBm/MHz EIRP | Radiated | C Note 3,4 |
| 15.205 15.209 15.407(b) | RSS-GEN(8.9) RSS-GEN(8.10) RSS-247(6.2) | General Field Strength Limits(Restricted Bands and Radiated Emission Limits) | Emissions in restricted bands must meet the radiated limits detailed in 15.209 | | C Note 3,4 |
| 15.207 | RSS-GEN(8.8) | AC Conducted Emissions | FCC 15.207 | AC Line Conducted | C |
| 15.203 | - | Antenna Requirements | FCC 15.203 | - | C |

Note 1: **C** = Comply     **NC** = Not Comply     **NT** = Not Tested     **NA** = Not Applicable

Note 2: For radiated emission tests below 30 MHz were performed on semi-anechoic chamber which is correlated with OATS.

Note 3: In case of this test item, we have done all TX test cases. And we attached the result of MIMO mode since MIMO is the worst case.

Note 4: This device supports wireless charging & Dual Display.
    So per KDB648474 D03v01r04, the radiated test items were performed all not charging, charging and Dual Display conditions. For wireless charging condition, the handset is placed on the representative charging pad under normal conditions and in a simulated call configuration.

Note 5: The sample was tested according to the following specification:
    **KDB789033 D02v02r01, KDB662911 D01v02r01, KDB648474 D03v01r04**

# 4. TEST METHODOLOGY

The measurement procedures described in the ANSI C63.10-2013 and the guidance provided in KDB 7899033 D02v02r01 were used in measurement of the EUT.

The EUT was tested per the guidance of KDB789033 D02v02r01. And ANSI C63.10-2013 was used to reference appropriate EUT setup and maximizing procedures of radiated spurious emission and AC line conducted emission testing.

## 4.1 EUT configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

## 4.2 EUT exercise

The EUT was operated in the test mode to fix the Tx frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.407 under the FCC Rules Part 15 Subpart E.

## 4.3 General test procedures

### Conducted Emissions

The power-line conducted emission test procedure is not described on the KDB789033 D02v02r01. So this test was fulfilled with the requirements in Section 6.2 of ANSI C63.10-2013.

The EUT is placed on the wooden table, which is 0.8 m above ground plane and the conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-peak and Average detector.

### Radiated Emissions

Basically the radiated tests were performed with KDB789033 D02v02r01. But some requirements and procedures like test site requirements, EUT setup and maximizing procedure were fulfilled with the requirements in Section 5 and 6 of the ANSI C63.10-2013 as stated on KDB789033 D02v02r01.

The EUT is placed on a non-conductive table, which is 0.8 m above ground plane. For emission measurements above 1 GHz, the table height is 1.5 m. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 1 or 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the highest emission, the relative positions of the EUT were rotated through three orthogonal axis.

## 4.4 Description of test modes

The EUT has been tested with all modes of operating conditions to determine the worst case emission characteristics.

A test program is used to control the EUT for staying in continuous transmitting mode with maximum fixed duty cycle.

# 5. INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment , which is traceable to recognized national standards.

# 6. FACILITIES AND ACCREDITATIONS

## 6.1 Facilities

| **DT&C Co., Ltd.** |
|---|
| The 3 m test site and conducted measurement facility used to collect the radiated data are located at the 42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 17042. The test site complies with the requirements of § 2.948 according to ANSI C63.4-2014.<br><br>   **- FCC MRA Accredited Test Firm No. : KR0034** |
| www.dtnc.net |
| Telephone : + 82-31-321-2664 |
| FAX : + 82-31-321-1664 |

## 6.2 Equipment

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, loop, and/or ridged waveguide, horn.  Spectrum analyzers with pre-selectors and peak, quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

# 7. ANTENNA REQUIREMENTS

## According to FCC 47 CFR §15.203:

An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

**The antenna is attached on the device by means of unique coupling method (Spring Tension).**
**Therefore this E.U.T Complies with the requirement of §15.203**

## Directional antenna gain:

| Bands | SISO | | MIMO (CDD) Note 1. | MIMO (SDM) Note 2 |
|---|---|---|---|---|
| | ANT 1 [dBi] | ANT 2 [dBi] | Directional Gain[dBi] | Directional Gain[dBi] |
| U-NII 1 | -4.23 | -4.40 | *-1.30* | -4.31 |
| U-NII 2A | -4.23 | -4.40 | *-1.30* | -4.31 |
| U-NII 2C | -1.41 | -5.82 | *-0.33* | -3.08 |
| U-NII 3 | -2.58 | -3.73 | *-0.13* | -3.12 |

Note 1. Directional gain(correlated signal with unequal antenna gain and equal transmit power)
$10 \log [ ( 10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20} )^2 / N^{ANT} ] dBi$

Note 2. Directional gain(completely uncorrelated signal with unequal antenna gain and equal transmit power)
$10 \log [ ( 10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10} ) / N^{ANT} ] dBi$

# 8. TEST RESULT

## 8.1 Emission Bandwidth (26 dB Bandwidth)

▣ **Test Requirements**

The bandwidth at 26 dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating in transmission mode at the appropriate frequencies.

The 26 dB bandwidth is used to determine the conducted output power limit.

▣ **Test Configuration**

Refer to the APPENDIX I.

▣ **Test Procedure**

The transmitter output is connected to the Spectrum Analyzer and used following test procedure of **KDB789033 D02v02r01**.

1. Set resolution bandwidth (RBW) = approximately **1 %** of the EBW.

2. Set the video bandwidth **(VBW) > RBW**.

3. Detector = **Peak**.

4. Trace mode = **max hold**.

Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

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▣ Test Results : **Comply**

| Mode | Band | Frequency [MHz] | Tone | RU Index | Test Result [MHz] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | CDD | | SDM | |
| | | | | | ANT 1 | ANT 2 | ANT 1 | ANT 2 |
| 802.11ax (HE20) | U-NII 1 | 5180 | 26 | 0 | 17.30 | 13.85 | 19.51 | 19.28 |
| | | | | 4 | 15.51 | 16.27 | 15.58 | 18.09 |
| | | | | 8 | 19.37 | 19.13 | 18.50 | 18.95 |
| | | 5200 | 26 | 0 | 19.62 | 17.50 | 18.49 | 18.71 |
| | | | | 4 | 14.36 | 17.22 | 17.46 | 18.07 |
| | | | | 8 | 16.77 | 18.95 | 19.54 | 19.47 |
| | | 5240 | 26 | 0 | 19.58 | 19.52 | 19.45 | 16.92 |
| | | | | 4 | 16.05 | 17.18 | 16.95 | 17.25 |
| | | | | 8 | 17.11 | 15.52 | 19.53 | 18.37 |
| | U-NII 2A | 5260 | 26 | 0 | 19.78 | 18.81 | 17.87 | 19.14 |
| | | | | 4 | 16.09 | 17.00 | 15.44 | 17.50 |
| | | | | 8 | 18.18 | 18.79 | 19.40 | 19.56 |
| | | 5300 | 26 | 0 | 19.65 | 19.58 | 19.11 | 19.26 |
| | | | | 4 | 14.19 | 16.80 | 16.42 | 16.99 |
| | | | | 8 | 19.51 | 18.42 | 19.35 | 19.51 |
| | | 5320 | 26 | 0 | 19.13 | 19.28 | 19.55 | 19.32 |
| | | | | 4 | 15.37 | 18.03 | 15.74 | 18.13 |
| | | | | 8 | 19.29 | 19.47 | 19.12 | 19.56 |
| | U-NII 2C | 5500 | 26 | 0 | 17.79 | 13.07 | 19.44 | 18.37 |
| | | | | 4 | 16.90 | 15.55 | 17.84 | 17.96 |
| | | | | 8 | 15.31 | 19.41 | 19.31 | 19.37 |
| | | 5600 | 26 | 0 | 19.72 | 19.69 | 19.39 | 16.64 |
| | | | | 4 | 16.52 | 15.42 | 18.25 | 17.78 |
| | | | | 8 | 19.65 | 18.20 | 19.53 | 18.82 |
| | | 5720 | 26 | 0 | 11.60 | 19.18 | 17.16 | 19.22 |
| | | | | 4 | 14.91 | 14.44 | 17.03 | 17.18 |
| | | | | 8 | 15.88 | 17.71 | 19.28 | 19.10 |

| Mode | Band | Frequency [MHz] | Tone | RU Index | Test Result [MHz] | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | | | CDD | | SDM | |
| | | | | | ANT 1 | ANT 2 | ANT 1 | ANT 2 |
| 802.11ax (HE20) | U-NII 1 | 5180 | 242 | 61 | 21.89 | 21.15 | 21.24 | 21.69 |
| | | 5200 | 242 | 61 | 21.10 | 20.60 | 20.84 | 20.37 |
| | | 5240 | 242 | 61 | 20.99 | 21.53 | 21.89 | 21.50 |
| | U-NII 2A | 5260 | 242 | 61 | 20.54 | 21.17 | 20.10 | 20.68 |
| | | 5300 | 242 | 61 | 21.78 | 21.83 | 21.59 | 21.59 |
| | | 5320 | 242 | 61 | 20.23 | 20.72 | 20.67 | 20.38 |
| | U-NII 2C | 5500 | 242 | 61 | 21.29 | 21.05 | 20.77 | 21.53 |
| | | 5600 | 242 | 61 | 20.37 | 20.62 | 20.66 | 20.92 |
| | | 5720 | 242 | 61 | 21.77 | 21.48 | 21.30 | 21.49 |
| 802.11ax (HE20) | U-NII 1 | 5180 | SU | NA | 20.56 | 20.49 | 20.70 | 20.58 |
| | | 5200 | SU | NA | 21.81 | 21.66 | 21.91 | 21.23 |
| | | 5240 | SU | NA | 20.36 | 20.47 | 20.36 | 20.80 |
| | U-NII 2A | 5260 | SU | NA | 21.94 | 20.84 | 21.29 | 21.65 |
| | | 5300 | SU | NA | 20.49 | 20.63 | 20.53 | 20.46 |
| | | 5320 | SU | NA | 21.03 | 21.18 | 20.66 | 22.06 |
| | U-NII 2C | 5500 | SU | NA | 20.51 | 20.35 | 20.50 | 20.61 |
| | | 5600 | SU | NA | 21.57 | 21.26 | 21.00 | 22.25 |
| | | 5720 | SU | NA | 20.37 | 20.43 | 20.56 | 20.56 |

| Mode | Band | Frequency [MHz] | Tone | RU Index | Test Result [MHz] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | CDD | | SDM | |
| | | | | | ANT 1 | ANT 2 | ANT 1 | ANT 2 |
| 802.11ax (HE40) | U-NII 1 | 5190 | 26 | 0 | 38.06 | 39.10 | 39.64 | 39.40 |
| | | | | 8 | 37.93 | 33.02 | 37.17 | 37.02 |
| | | | | 17 | 38.30 | 40.05 | 37.64 | 39.89 |
| | | 5230 | 26 | 0 | 39.89 | 37.19 | 39.35 | 38.25 |
| | | | | 8 | 35.26 | 34.49 | 38.03 | 36.02 |
| | | | | 17 | 40.10 | 39.07 | 39.59 | 39.89 |
| | U-NII 2A | 5270 | 26 | 0 | 37.61 | 39.06 | 39.42 | 38.73 |
| | | | | 8 | 37.87 | 37.99 | 37.16 | 36.94 |
| | | | | 17 | 36.28 | 39.39 | 38.14 | 38.62 |
| | | 5310 | 26 | 0 | 26.93 | 39.54 | 39.52 | 39.59 |
| | | | | 8 | 37.95 | 34.51 | 36.68 | 37.86 |
| | | | | 17 | 33.44 | 31.29 | 38.37 | 39.91 |
| | U-NII 2C | 5510 | 26 | 0 | 38.47 | 35.77 | 39.77 | 39.60 |
| | | | | 8 | 37.33 | 25.49 | 37.20 | 38.01 |
| | | | | 17 | 39.89 | 40.07 | 39.38 | 39.77 |
| | | 5590 | 26 | 0 | 40.23 | 32.84 | 39.14 | 39.50 |
| | | | | 8 | 32.75 | 36.33 | 37.14 | 38.08 |
| | | | | 17 | 37.61 | 40.22 | 38.37 | 38.71 |
| | | 5710 | 26 | 0 | 35.68 | 18.70 | 37.32 | 35.85 |
| | | | | 8 | 31.92 | 37.29 | 36.42 | 36.27 |
| | | | | 17 | 28.50 | 39.07 | 39.60 | 38.62 |
| 802.11ax (HE40) | U-NII 1 | 5190 | 484 | 65 | 42.39 | 42.00 | 42.09 | 42.47 |
| | | 5230 | 484 | 65 | 40.02 | 39.82 | 39.64 | 39.94 |
| | U-NII 2A | 5270 | 484 | 65 | 42.28 | 42.44 | 42.24 | 41.75 |
| | | 5310 | 484 | 65 | 40.29 | 40.20 | 39.98 | 39.79 |
| | U-NII 2C | 5510 | 484 | 65 | 42.15 | 42.39 | 42.21 | 41.90 |
| | | 5590 | 484 | 65 | 39.83 | 39.94 | 40.33 | 39.76 |
| | | 5710 | 484 | 65 | 43.17 | 41.50 | 41.78 | 41.91 |
| 802.11ax (HE40) | U-NII 1 | 5190 | SU | NA | 39.93 | 39.91 | 40.11 | 39.97 |
| | | 5230 | SU | NA | 43.26 | 42.62 | 42.60 | 41.79 |
| | U-NII 2A | 5270 | SU | NA | 39.98 | 40.02 | 39.96 | 40.05 |
| | | 5310 | SU | NA | 42.60 | 42.76 | 42.41 | 41.66 |
| | U-NII 2C | 5510 | SU | NA | 40.32 | 39.81 | 39.74 | 39.86 |
| | | 5590 | SU | NA | 42.40 | 42.47 | 41.93 | 41.38 |
| | | 5710 | SU | NA | 39.90 | 40.15 | 40.01 | 40.00 |

| Mode | Band | Frequency [MHz] | Tone | RU Index | Test Result [MHz] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | CDD | | SDM | |
| | | | | | ANT 1 | ANT 2 | ANT 1 | ANT 2 |
| 802.11ax (HE80) | U-NII 1 | 5210 | 26 | 0 | 79.17 | 80.06 | 80.99 | 75.52 |
| | | | | 18 | 59.52 | 78.13 | 71.02 | 73.50 |
| | | | | 36 | 81.07 | 79.83 | 80.55 | 79.73 |
| | U-NII 2A | 5290 | 26 | 0 | 81.64 | 81.41 | 81.30 | 73.30 |
| | | | | 18 | 71.04 | 76.23 | 77.74 | 77.62 |
| | | | | 36 | 82.16 | 81.22 | 80.90 | 81.41 |
| | U-NII 2C | 5530 | 26 | 0 | 78.92 | 81.45 | 81.10 | 80.88 |
| | | | | 18 | 78.76 | 64.31 | 48.17 | 78.13 |
| | | | | 36 | 80.44 | 81.11 | 76.78 | 80.83 |
| | | 5610 | 26 | 0 | 60.94 | 78.41 | 82.30 | 80.17 |
| | | | | 18 | 65.41 | 76.84 | 68.76 | 78.03 |
| | | | | 36 | 76.64 | 81.48 | 81.06 | 81.23 |
| | | 5690 | 26 | 0 | 76.93 | 81.48 | 73.59 | 69.61 |
| | | | | 18 | 59.43 | 76.06 | 69.67 | 78.07 |
| | | | | 36 | 81.69 | 81.65 | 78.76 | 82.13 |
| 802.11ax (HE80) | U-NII 1 | 5210 | 996 | 67 | 86.14 | 84.63 | 86.50 | 85.35 |
| | U-NII 2A | 5290 | 996 | 67 | 81.51 | 81.08 | 81.62 | 81.34 |
| | U-NII 2C | 5530 | 996 | 67 | 84.59 | 83.80 | 85.69 | 85.08 |
| | | 5610 | 996 | 67 | 81.25 | 82.03 | 81.10 | 81.70 |
| | | 5690 | 996 | 67 | 86.84 | 84.94 | 84.88 | 86.03 |
| 802.11ax (HE80) | U-NII 1 | 5210 | SU | NA | 81.56 | 81.59 | 81.23 | 81.42 |
| | U-NII 2A | 5290 | SU | NA | 84.61 | 85.02 | 87.05 | 83.93 |
| | U-NII 2C | 5530 | SU | NA | 81.61 | 81.90 | 80.83 | 81.91 |
| | | 5610 | SU | NA | 85.54 | 86.09 | 83.90 | 86.24 |
| | | 5690 | SU | NA | 81.70 | 81.86 | 80.96 | 81.16 |

▣ **Result Plots**

**- This test item has been tested in all cases and only the plot of the smallest RU in BW is listed.**

**26 dB Bandwidth**      Test Mode: 802.11ax HE20   &   ANT 1   &   26T   &   4RU   &   Ch.36



**26 dB Bandwidth**      Test Mode: 802.11ax HE20   &   ANT 1   &   26T   &   4RU   &   Ch.40

**26 dB Bandwidth**   Test Mode: 802.11ax HE20   &   ANT 1   &   26T   &   4RU   &   Ch.48



**26 dB Bandwidth**   Test Mode: 802.11ax HE20   &   ANT 1   &   26T   &   4RU   &   Ch.52

**26 dB Bandwidth**          Test Mode: 802.11ax HE20   &   ANT 1   &   26T   &   4RU   &   Ch.60



**26 dB Bandwidth**          Test Mode: 802.11ax HE20   &   ANT 1   &   26T   &   4RU   &   Ch.64

## 26 dB Bandwidth          Test Mode: 802.11ax HE20   &   ANT 1   &   26T   &   8RU   &   Ch.100



## 26 dB Bandwidth          Test Mode: 802.11ax HE20   &   ANT 1   &   26T   &   4RU   &   Ch.120

**26 dB Bandwidth**          Test Mode: 802.11ax HE20   &   ANT 1   &   26T   &   0RU   &   Ch.144

**26 dB Bandwidth**      Test Mode: 802.11ax HE40 & ANT 1 & 26T & 8RU & Ch.38



**26 dB Bandwidth**      Test Mode: 802.11ax HE40 & ANT 1 & 26T & 8RU & Ch.46

**26 dB Bandwidth**        Test Mode: 802.11ax HE40   &   ANT 1   &   26T   &   17RU   &   Ch.54



**26 dB Bandwidth**        Test Mode: 802.11ax HE40   &   ANT 1   &   26T   &   0RU   &   Ch.62

**26 dB Bandwidth**　　　　　　Test Mode: 802.11ax HE40　&　ANT 1　&　26T　&　8RU　&　Ch.102



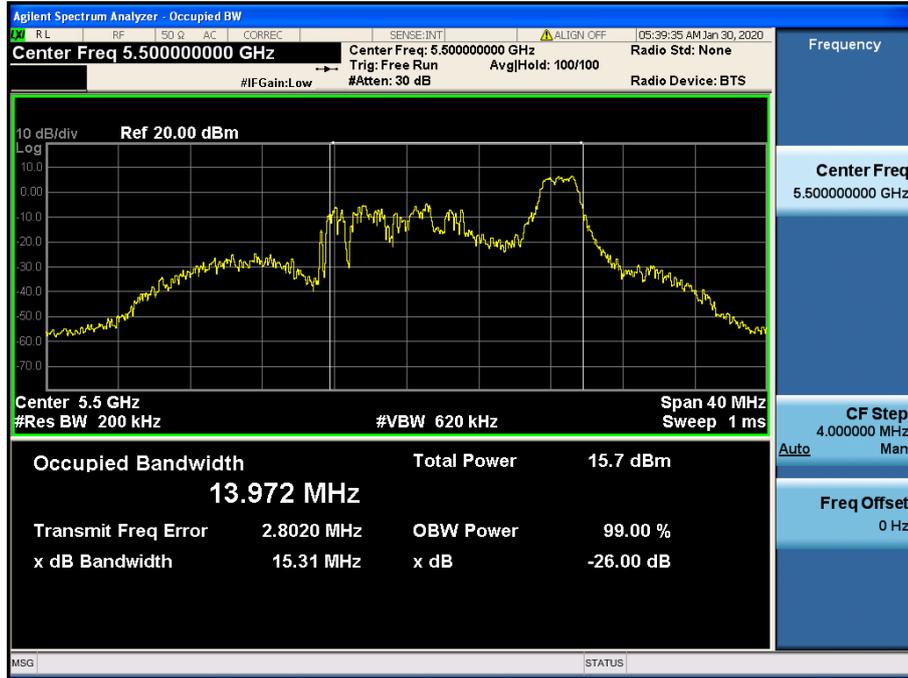**26 dB Bandwidth**　　　　　　Test Mode: 802.11ax HE40　&　ANT 1　&　26T　&　8RU　&　Ch.118

**26 dB Bandwidth**          Test Mode: 802.11ax HE40   &   ANT 1   &   26T   &   17RU   &   Ch.142

**26 dB Bandwidth**          Test Mode: 802.11ax HE80  &  ANT 1  &  T26  &  18RU  &Ch.42



**26 dB Bandwidth**          Test Mode: 802.11ax HE80  &  ANT 1  &  T26  &  18RU  &Ch.58

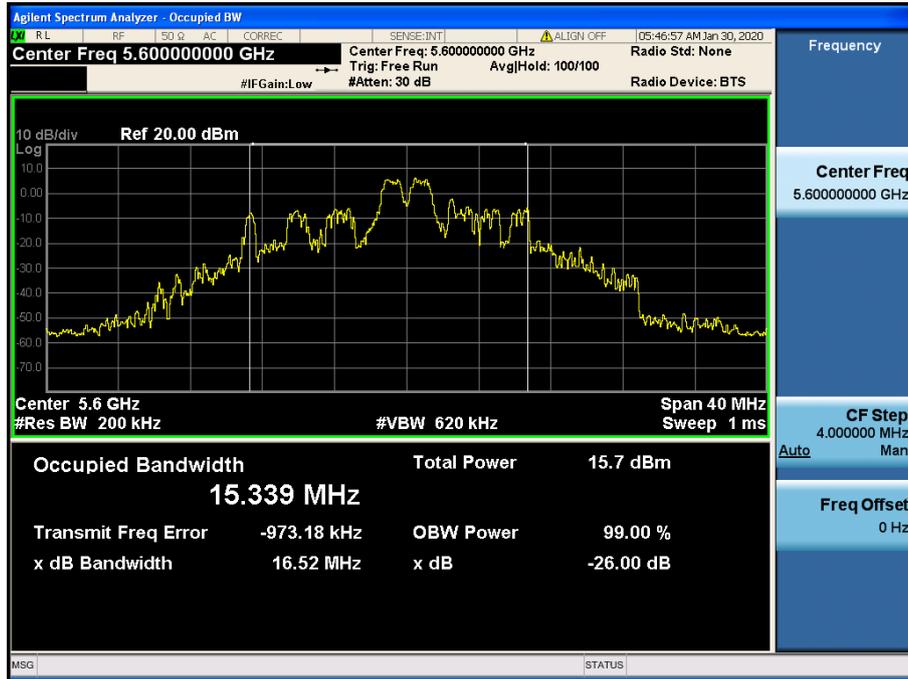**26 dB Bandwidth**          Test Mode: 802.11ax HE80   &   ANT 1   &   T26   &   18RU   &Ch.106



**26 dB Bandwidth**          Test Mode: 802.11ax HE80   &   ANT 1   &   T26   &   0RU   &Ch.122

**26 dB Bandwidth**     Test Mode: 802.11ax HE80 & ANT 1 & T26 & 18RU &Ch.138

**26 dB Bandwidth**          Test Mode: 802.11ax HE20   &   ANT 2   &   26T   &   0RU   &   Ch.36



**26 dB Bandwidth**          Test Mode: 802.11ax HE20   &   ANT 2   &   26T   &   4RU   &   Ch.40

**26 dB Bandwidth**　　　　Test Mode: 802.11ax HE20　&　ANT 2　&　26T　&　8RU　&　Ch.48



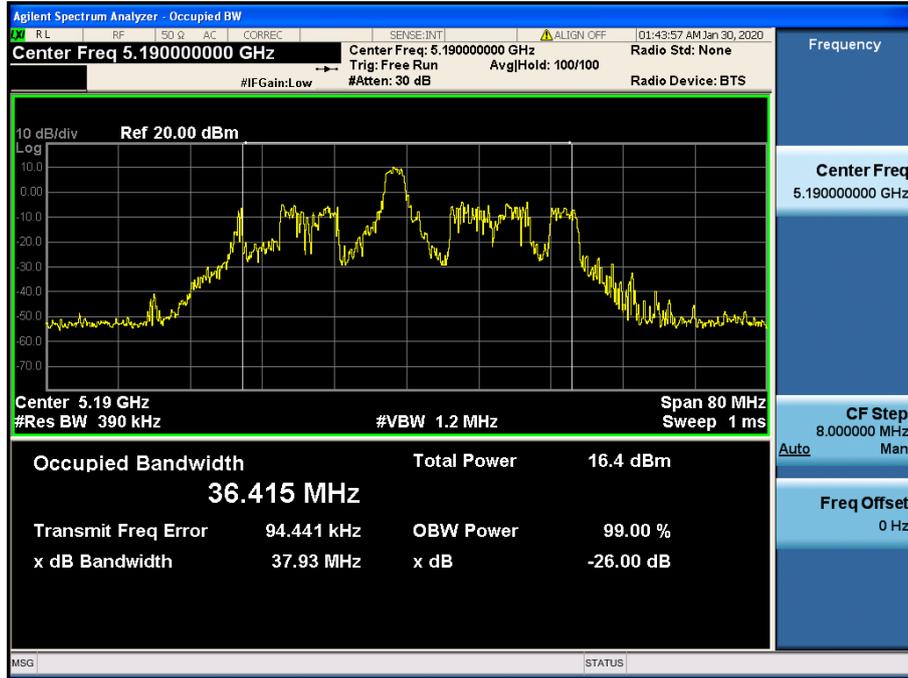**26 dB Bandwidth**　　　　Test Mode: 802.11ax HE20　&　ANT 2　&　26T　&　4RU　&　Ch.52

**26 dB Bandwidth**          Test Mode: 802.11ax HE20   &   ANT 2   &   26T   &   4RU   &   Ch.60



**26 dB Bandwidth**          Test Mode: 802.11ax HE20   &   ANT 2   &   26T   &   4RU   &   Ch.64

**26 dB Bandwidth**          Test Mode: 802.11ax HE20  &  ANT 2  &  26T  &  0RU  &  Ch.100



**26 dB Bandwidth**          Test Mode: 802.11ax HE20  &  ANT 2  &  26T  &  4RU  &  Ch.120

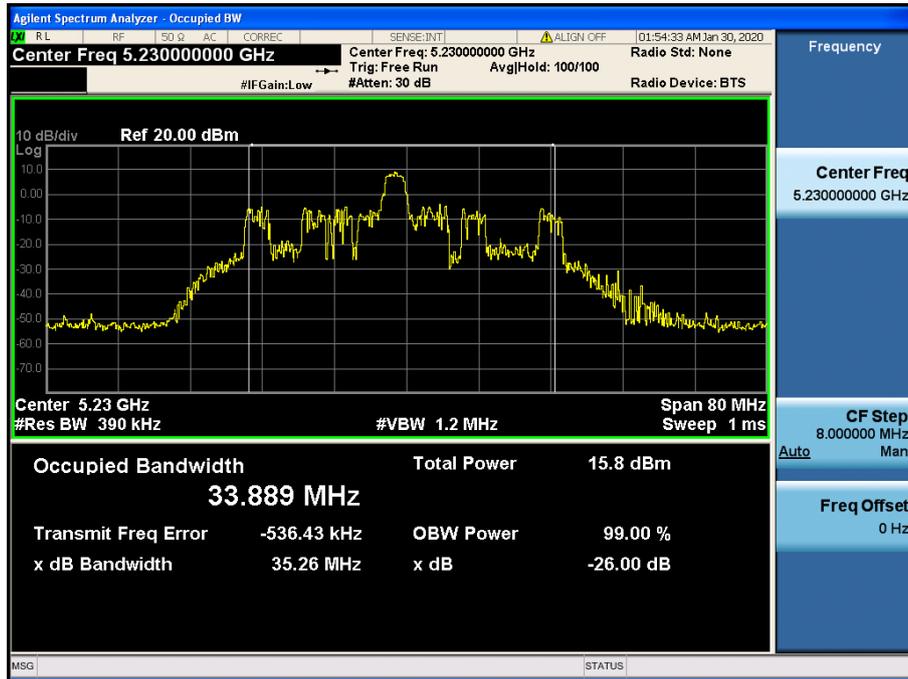**26 dB Bandwidth**          Test Mode: 802.11ax HE20   &   ANT 2   &   26T   &   4RU   &   Ch.144

**26 dB Bandwidth**         Test Mode: 802.11ax HE40   &   ANT 2   &   26T   &   8RU   &   Ch.38
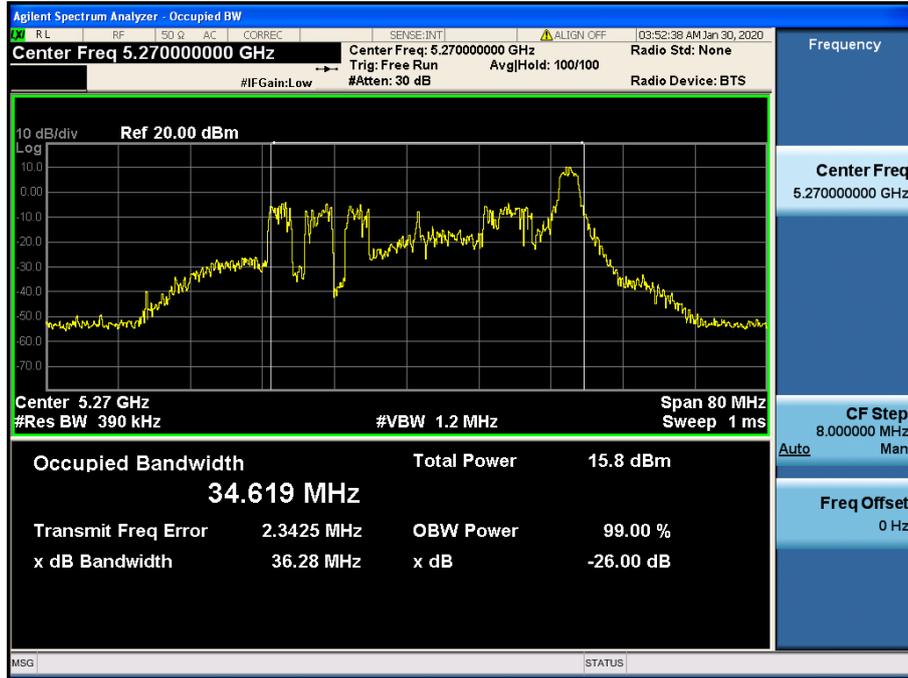


**26 dB Bandwidth**         Test Mode: 802.11ax HE40   &   ANT 2   &   26T   &   8RU   &   Ch.46

**26 dB Bandwidth** Test Mode: 802.11ax HE40 & ANT 2 & 26T & 8RU & Ch.54



**26 dB Bandwidth** Test Mode: 802.11ax HE40 & ANT 2 & 26T & 17RU & Ch.62

**26 dB Bandwidth**　　　Test Mode: 802.11ax HE40　&　ANT 2　&　26T　&　8RU　&　Ch.102



**26 dB Bandwidth**　　　Test Mode: 802.11ax HE40　&　ANT 2　&　26T　&　0RU　&　Ch.118
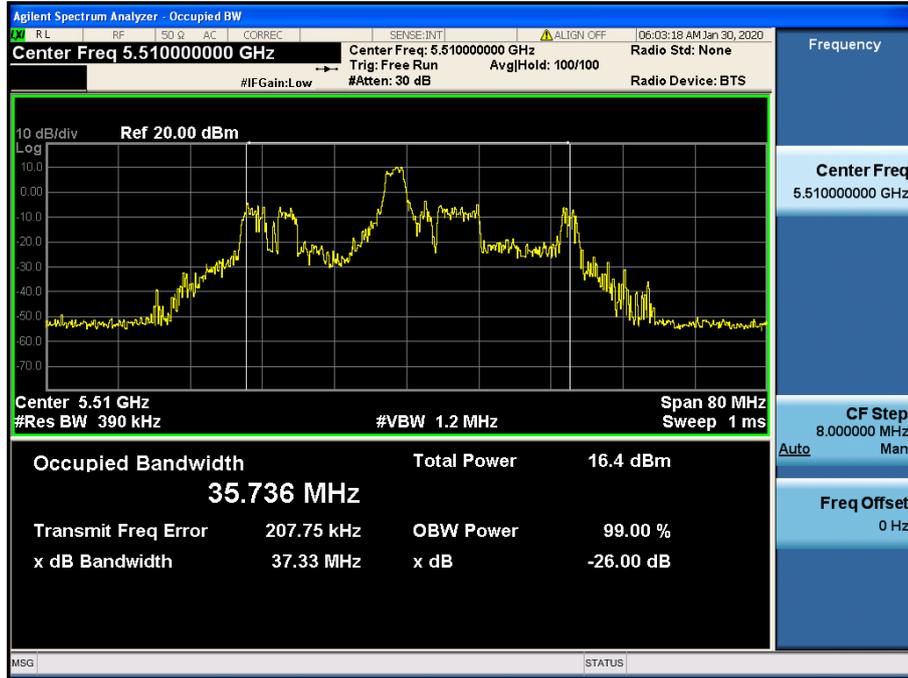
**26 dB Bandwidth**     Test Mode: 802.11ax HE40 & ANT 1 & 26T & 0RU & Ch.142

**26 dB Bandwidth**           Test Mode: 802.11ax HE80   &   ANT 2   &   T26   &   18RU   &Ch.42



**26 dB Bandwidth**           Test Mode: 802.11ax HE80   &   ANT 2   &   T26   &   18RU   &Ch.58

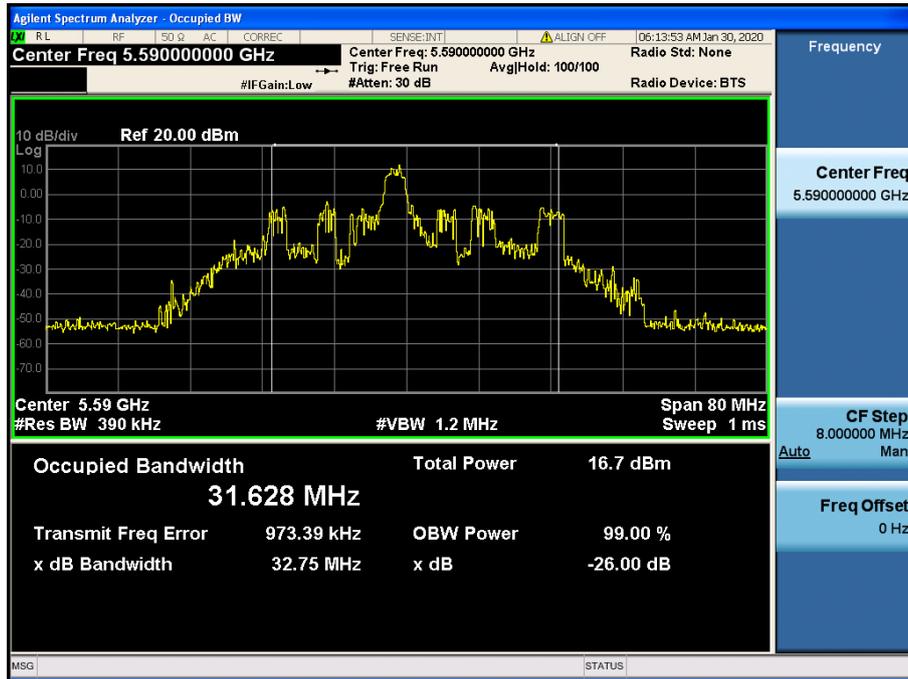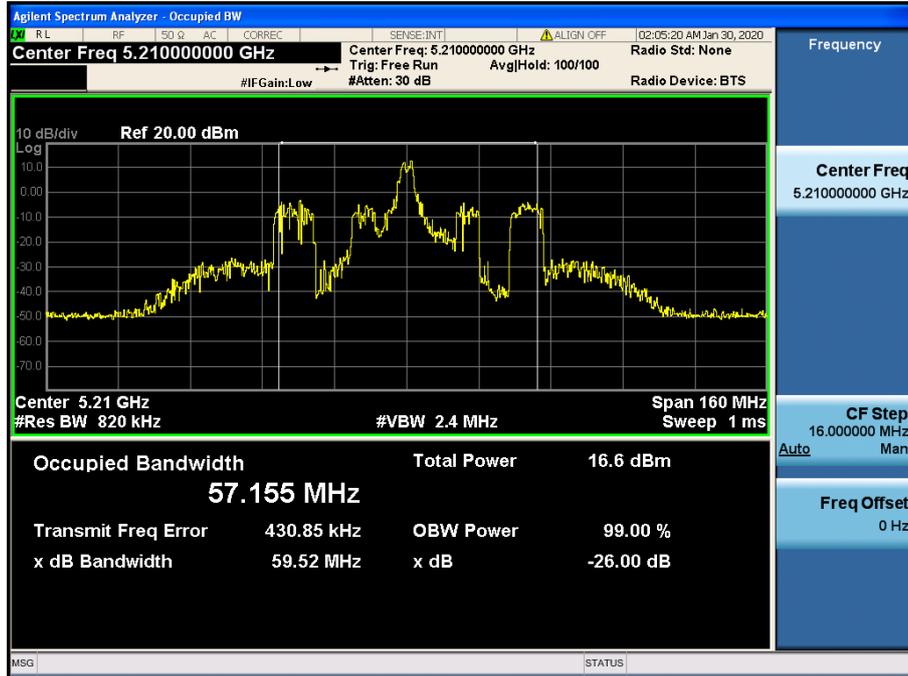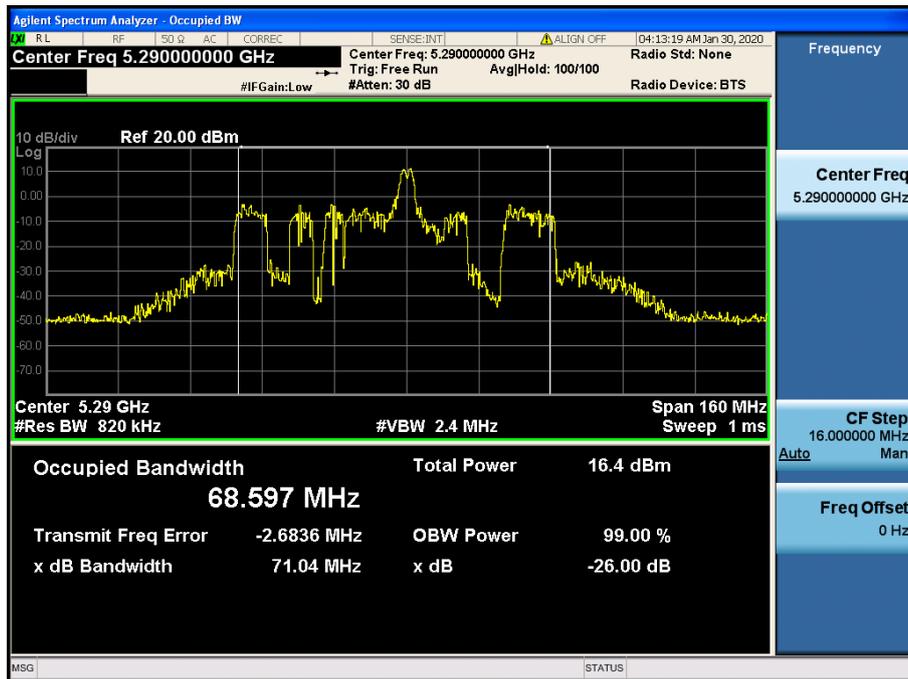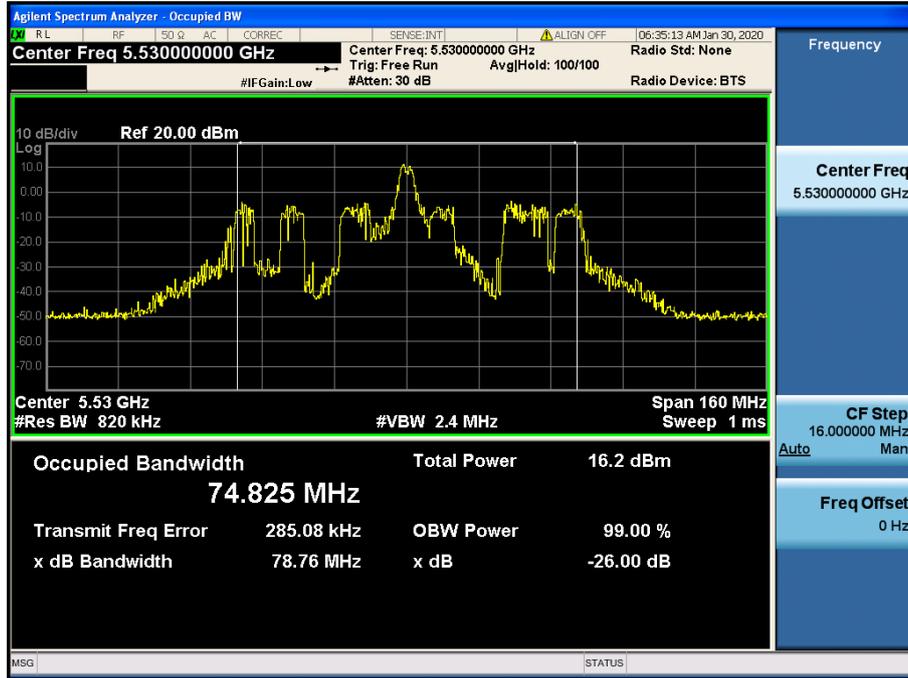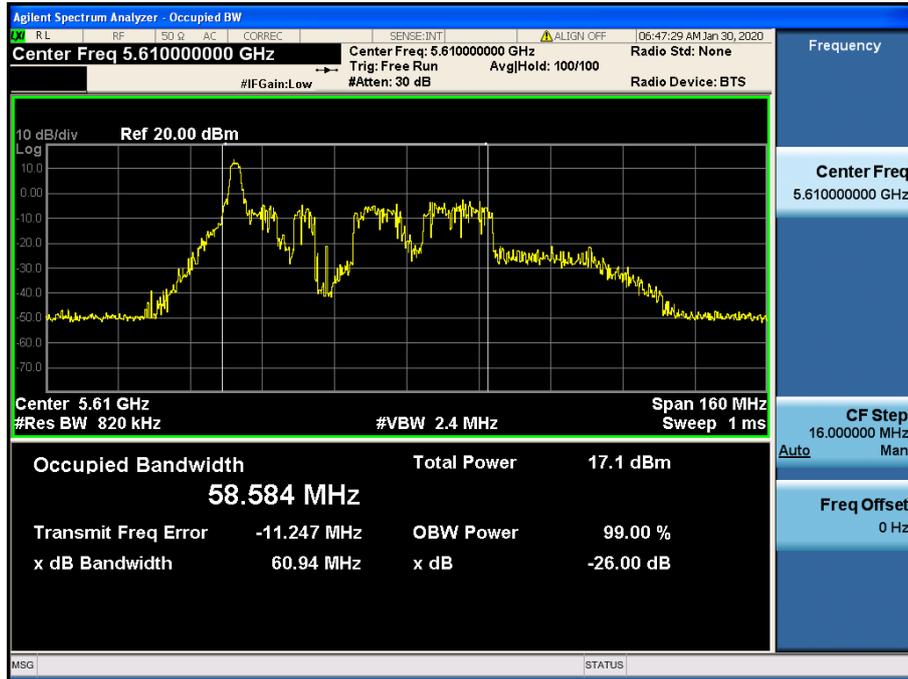## 26 dB Bandwidth                    Test Mode: 802.11ax HE80   &   ANT 2   &   T26   &   18RU   &Ch.106



## 26 dB Bandwidth                    Test Mode: 802.11ax HE80   &   ANT 2   &   T26   &   18RU   &Ch.122

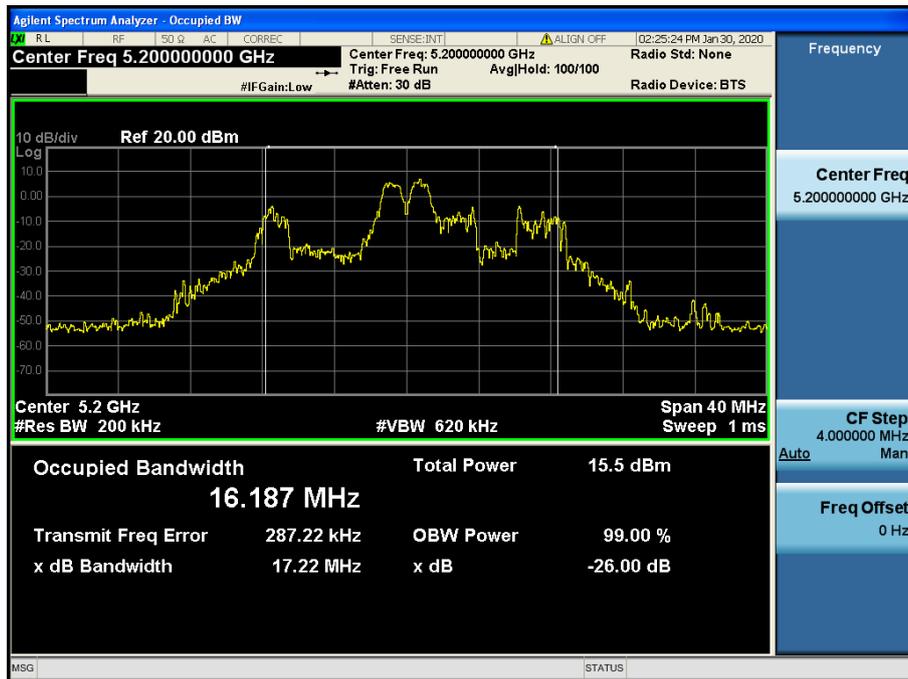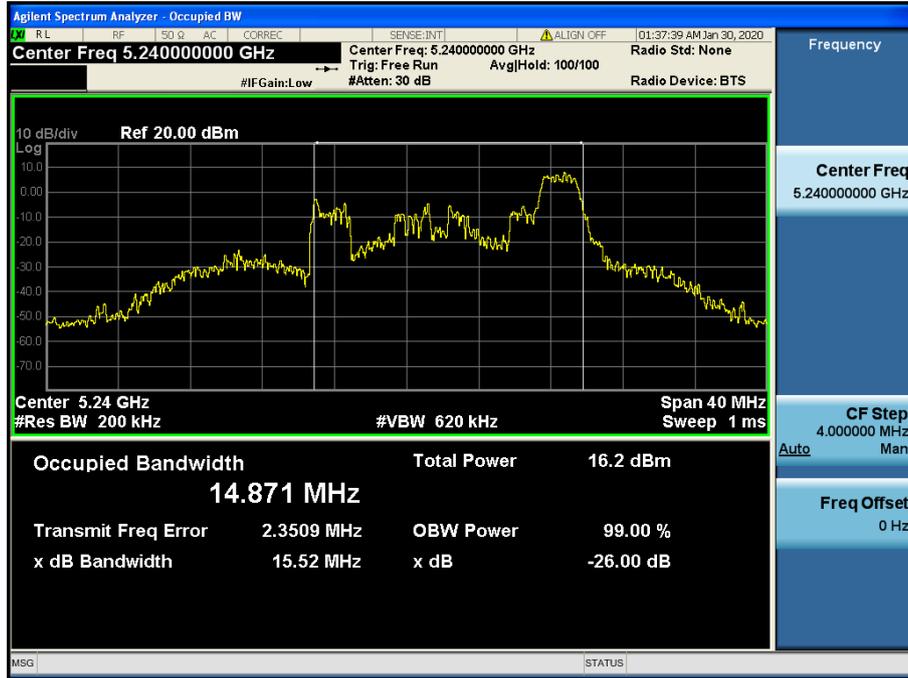**26 dB Bandwidth**                Test Mode: 802.11ax HE80  &  ANT 2  &  T26  &  18RU  &Ch.138
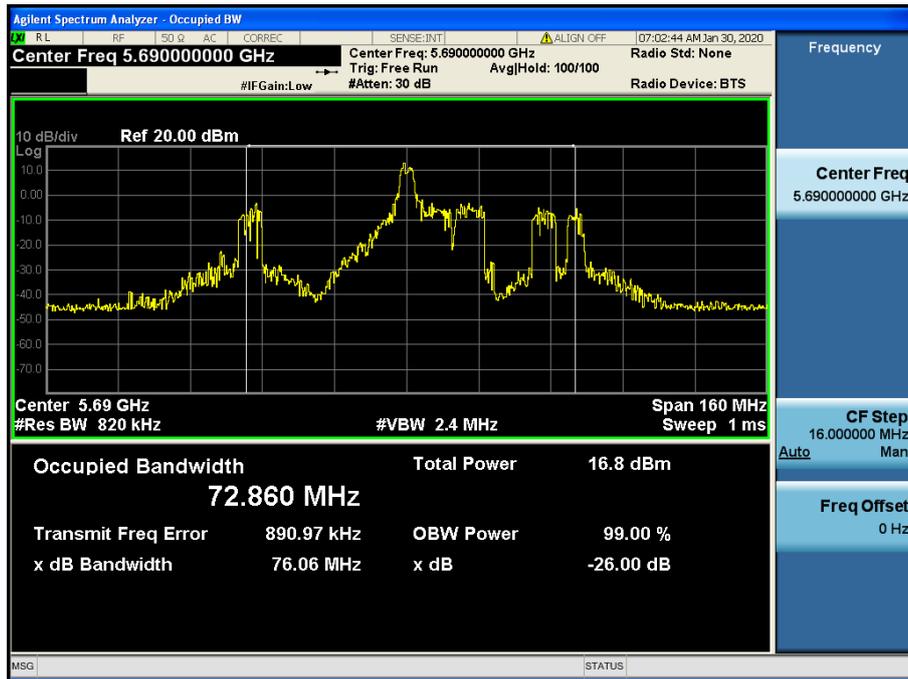
## 8.2 Minimum Emission Bandwidth (6 dB Bandwidth)

▣ **Test Requirements**

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

▣ **Test Configuration**

Refer to the APPENDIX I.

▣ **Test Procedure**

The transmitter output is connected to the Spectrum Analyzer and used following test procedure of

**KDB789033 D02v02r01**.

1. Set resolution bandwidth (RBW) = 100 kHz

2. Set the video bandwidth **≥ 3 x RBW**.

3. Detector = **Peak**.

4. Trace mode = **max hold**.

Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

▣ **Test Results: Comply**

| Mode | Band | Frequency [MHz] | Tone | RU Index | Test Result [MHz] | | | |
|------|------|-----------------|------|----------|-------|-------|-------|-------|
| | | | | | ANT 1 | ANT 2 | ANT 1 | ANT 2 |
| 802.11ax(HE20) | U-NII 3 | 5745 | 26 | 0 | 2.08 | 2.03 | 2.07 | 2.06 |
| | | | | 4 | 2.65 | 2.61 | 2.63 | 2.68 |
| | | | | 8 | 2.13 | 2.04 | 2.07 | 2.07 |
| | | 5785 | 26 | 0 | 2.02 | 2.07 | 2.05 | 2.05 |
| | | | | 4 | 2.70 | 2.60 | 2.64 | 2.63 |
| | | | | 8 | 2.03 | 2.05 | 2.09 | 2.11 |
| | | 5825 | 26 | 0 | 2.11 | 2.11 | 1.99 | 2.11 |
| | | | | 4 | 2.64 | 2.65 | 2.68 | 2.66 |
| | | | | 8 | 2.08 | 2.03 | 2.07 | 2.08 |
| 802.11ax(HE20) | U-NII 3 | 5745 | 242 | 61 | 19.09 | 18.82 | 18.98 | 19.00 |
| | | 5785 | 242 | 61 | 18.14 | 18.25 | 17.77 | 18.70 |
| | | 5825 | 242 | 61 | 18.80 | 19.00 | 19.02 | 19.02 |
| 802.11ax(HE20) | U-NII 3 | 5745 | SU | NA | 16.42 | 18.67 | 18.55 | 18.18 |
| | | 5785 | SU | NA | 18.91 | 19.01 | 18.97 | 19.04 |
| | | 5825 | SU | NA | 18.25 | 17.04 | 18.34 | 17.81 |

| Mode | Band | Frequency [MHz] | Tone | RU Index | Test Result [MHz] | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | ANT 1 | ANT 2 | ANT 1 | ANT 2 |
| **802.11ax(HE40)** | U-NII 3 | 5755 | 26 | 0 | 2.13 | 2.11 | 2.10 | 2.05 |
| | | | | 8 | 2.11 | 2.15 | 2.13 | 2.14 |
| | | | | 17 | 2.12 | 2.10 | 2.09 | 2.15 |
| | | 5795 | 26 | 0 | 2.14 | 2.10 | 2.12 | 2.08 |
| | | | | 8 | 2.13 | 2.13 | 2.17 | 2.08 |
| | | | | 17 | 2.12 | 2.12 | 2.03 | 2.04 |
| **802.11ax(HE40)** | U-NII 3 | 5755 | 484 | 65 | 38.00 | 38.16 | 38.16 | 38.14 |
| | | 5795 | 484 | 65 | 37.22 | 37.92 | 38.06 | 35.83 |
| | | 5755 | SU | NA | 38.07 | 38.28 | 38.19 | 38.11 |
| | | 5795 | SU | NA | 37.73 | 36.69 | 36.91 | 37.41 |
| **802.11ax(HE80)** | U-NII 3 | 5775 | 26 | 0 | 2.19 | 2.20 | 2.16 | 2.18 |
| | | | | 18 | 2.77 | 2.74 | 2.81 | 2.83 |
| | | | | 36 | 2.24 | 2.24 | 2.25 | 2.22 |
| **802.11ax(HE80)** | U-NII 3 | 5775 | 996 | 67 | 77.94 | 78.05 | 78.21 | 78.30 |
| | | | SU | NA | 76.46 | 77.76 | 76.85 | 76.96 |

▣ **Result Plots**

**-This test item has been tested in all cases and only the plot of the RU closest to Limit is reported.**

**6 dB Bandwidth**　　　　　Test Mode: 802.11ax HE20　&　ANT 1　&　T26　&　0RU　&　Ch.149



**6 dB Bandwidth**　　　　　Test Mode: 802.11ax HE20　&　ANT 1　&　T26　&　0RU　&　Ch.157
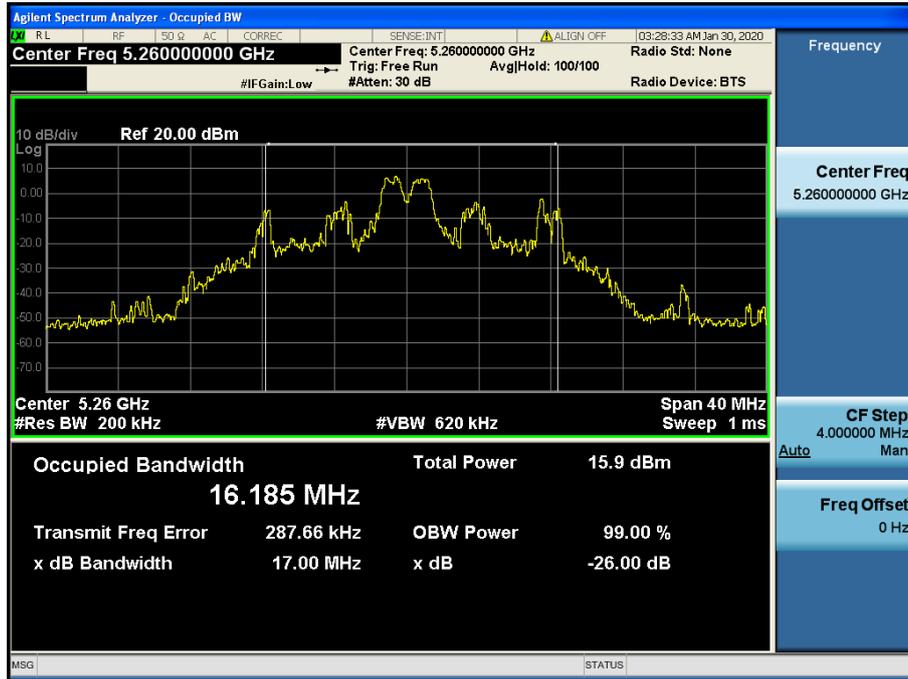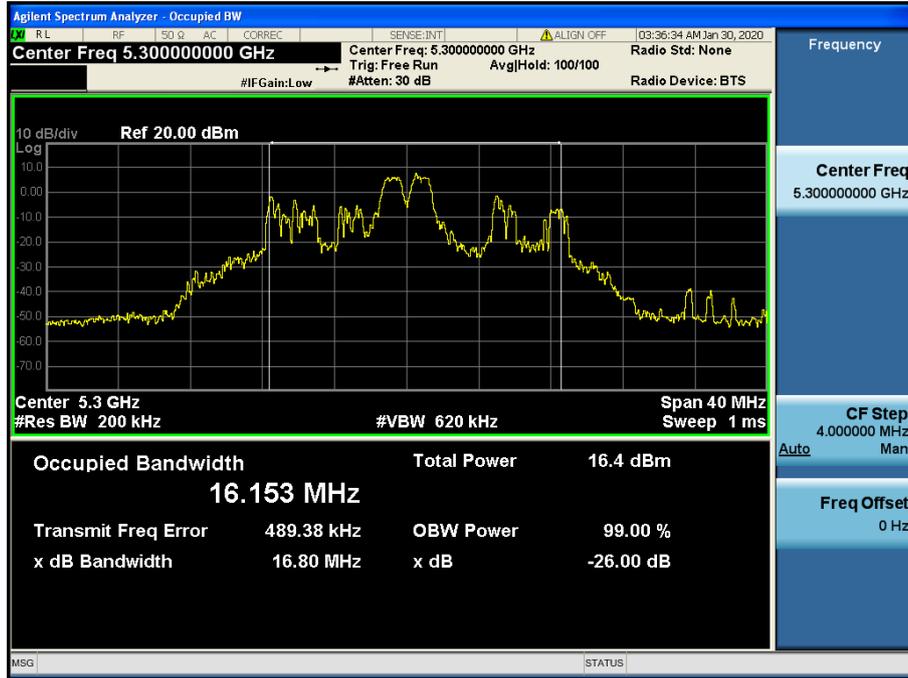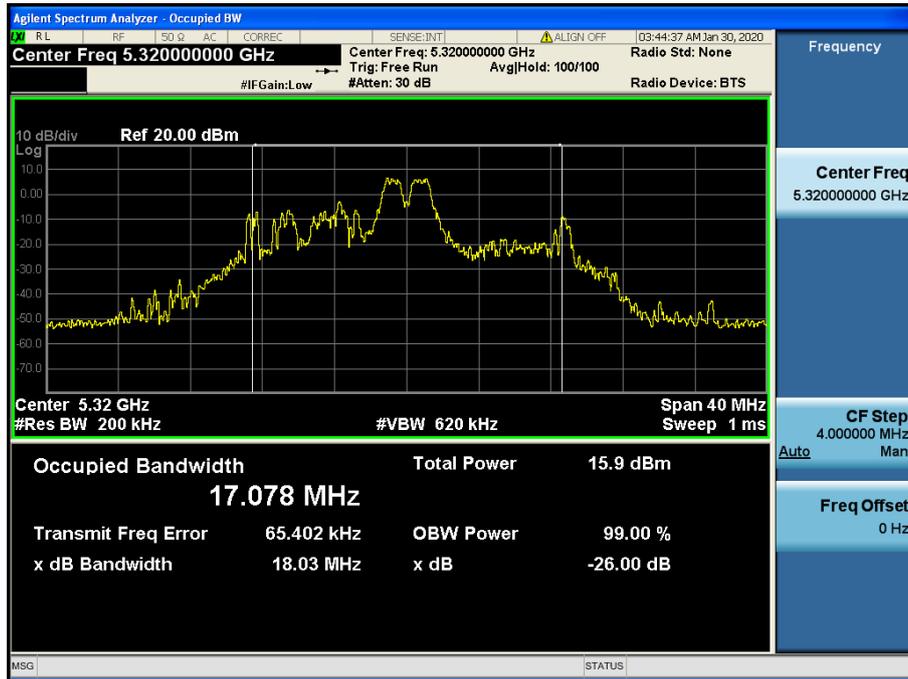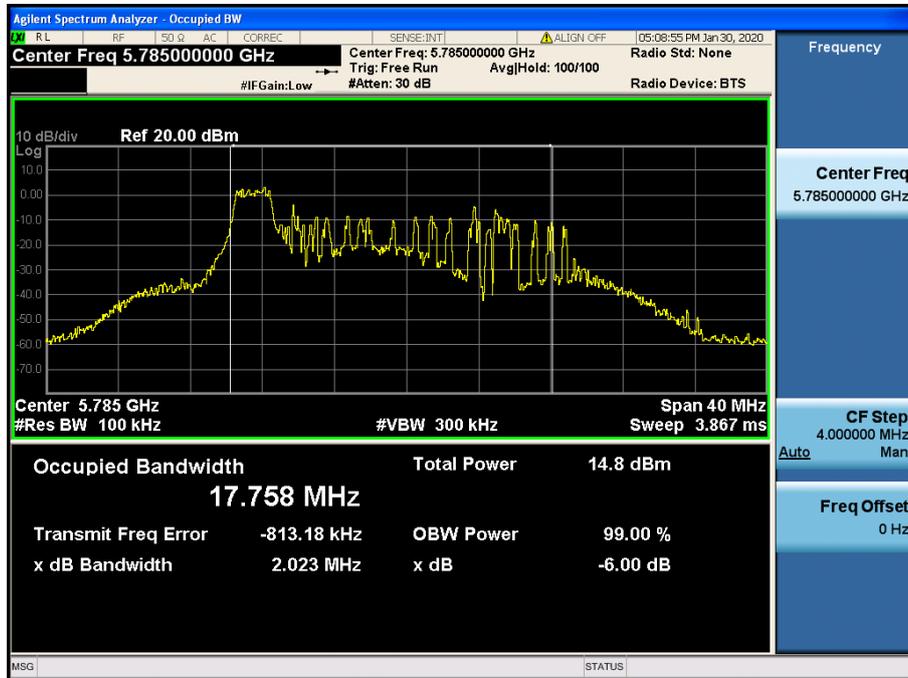
## 6 dB Bandwidth

Test Mode: 802.11ax HE20 & ANT 1 & T26 & 8RU & Ch.165
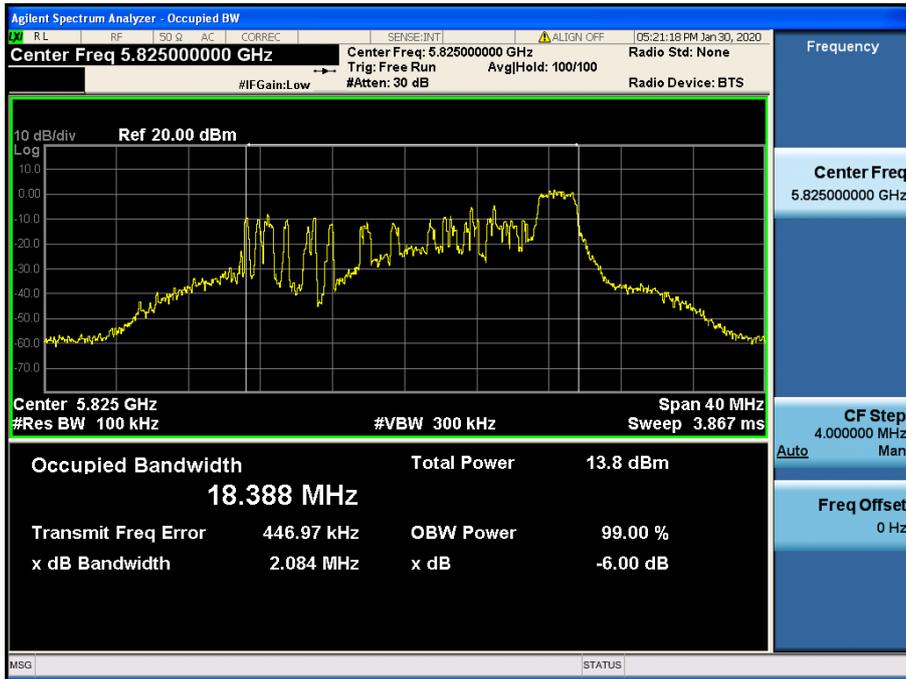
**6 dB Bandwidth**　　　　　Test Mode: 802.11ax HE40　&　ANT 1　&　T26　&　8RU　&　Ch.151
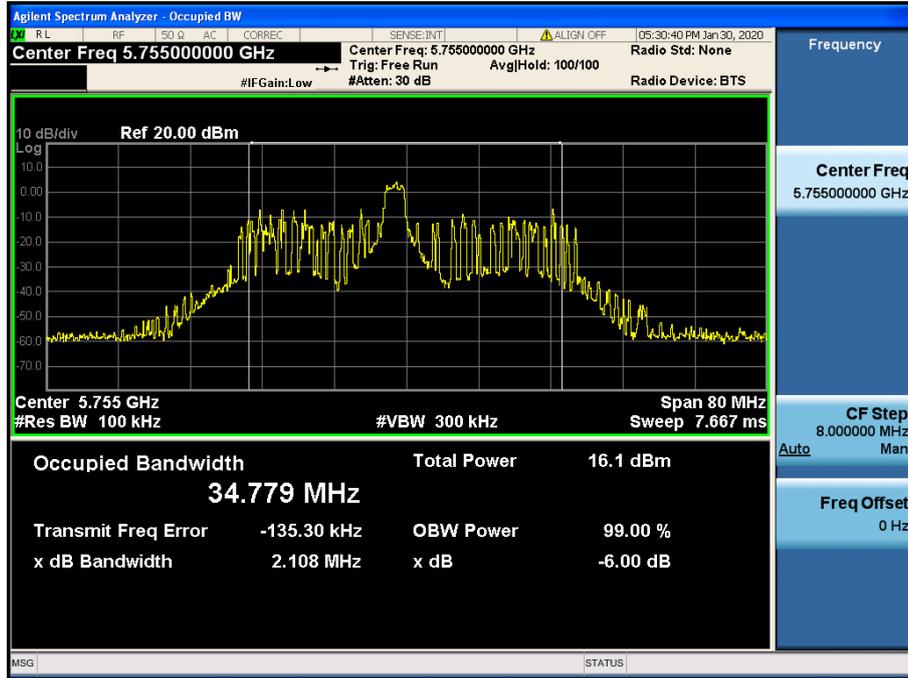


**6 dB Bandwidth**　　　　　Test Mode: 802.11ax HE40　&　ANT 1　&　T26　&　17RU　&　Ch.159
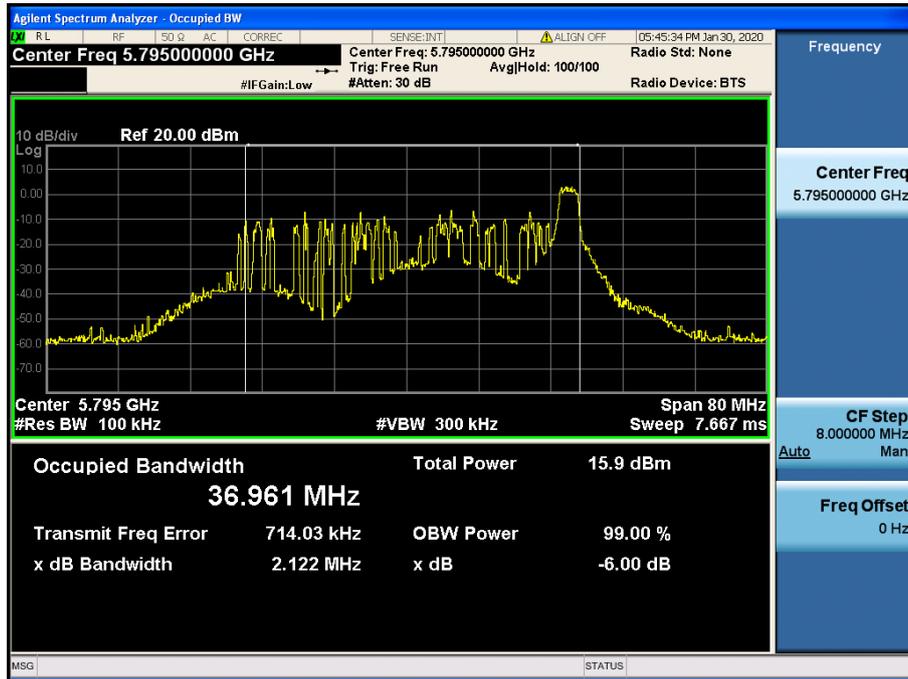
## 6 dB Bandwidth          Test Mode: 802.11ax HE80   &   ANT 1   &   T26   &   0RU   &   Ch.155
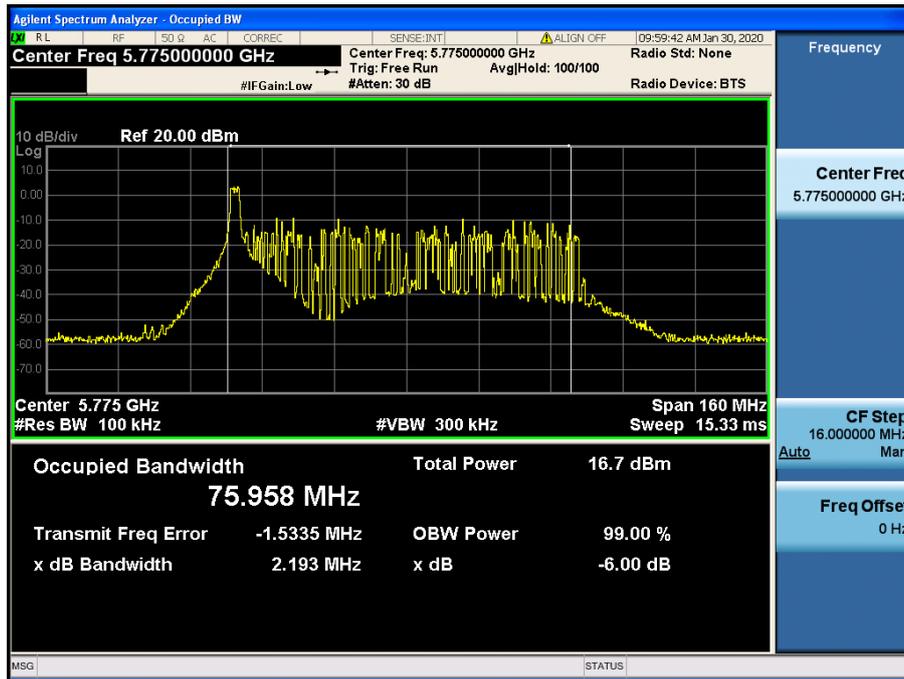
**6 dB Bandwidth**                    Test Mode: 802.11ax HE20  &  ANT 2  &  T26  &  0RU  &  Ch.149
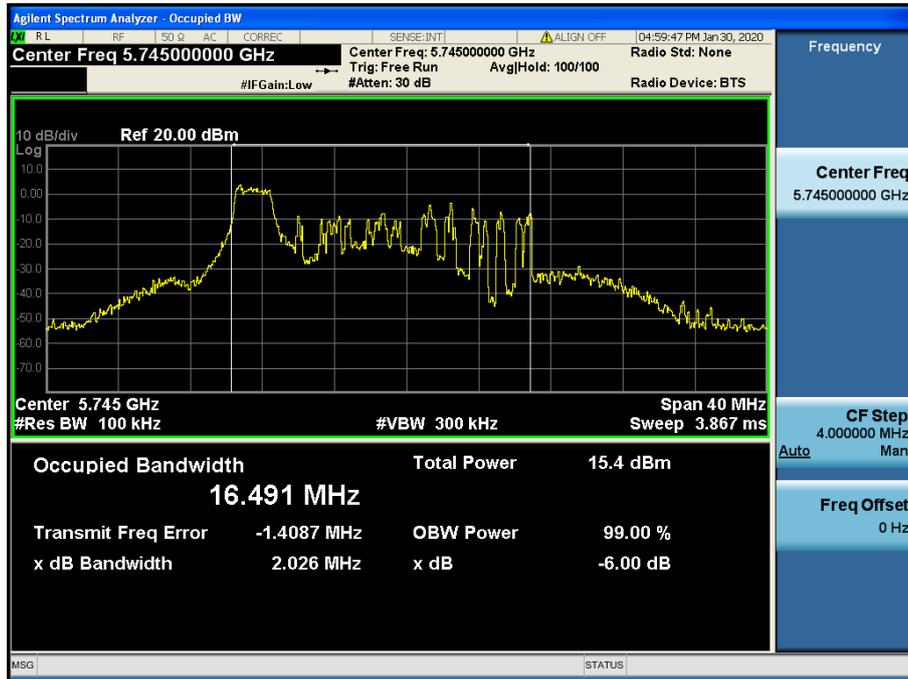


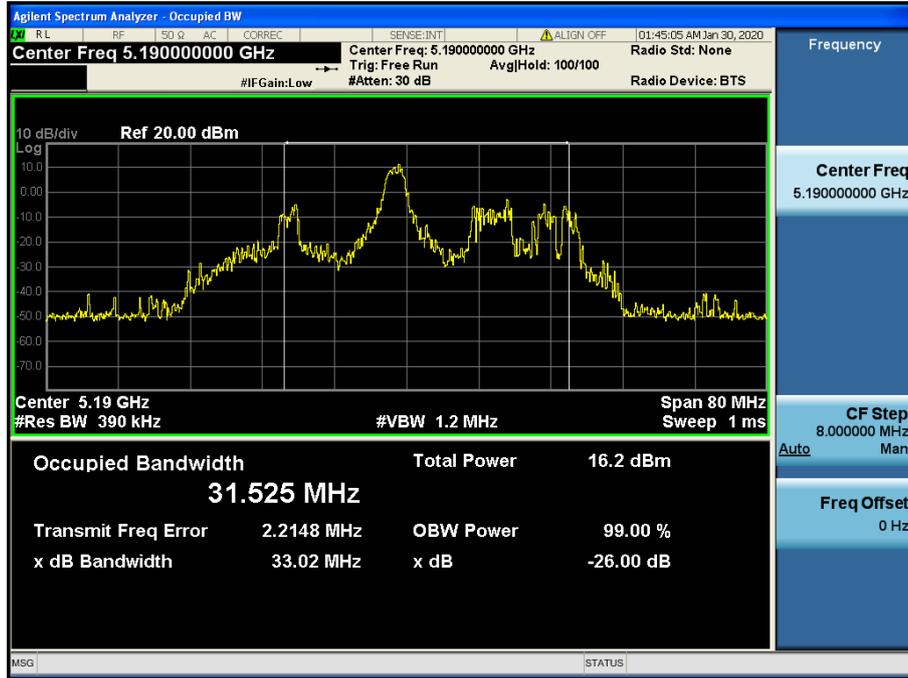**6 dB Bandwidth**                    Test Mode: 802.11ax HE20  &  ANT 2  &  T26  &  8RU  &  Ch.157
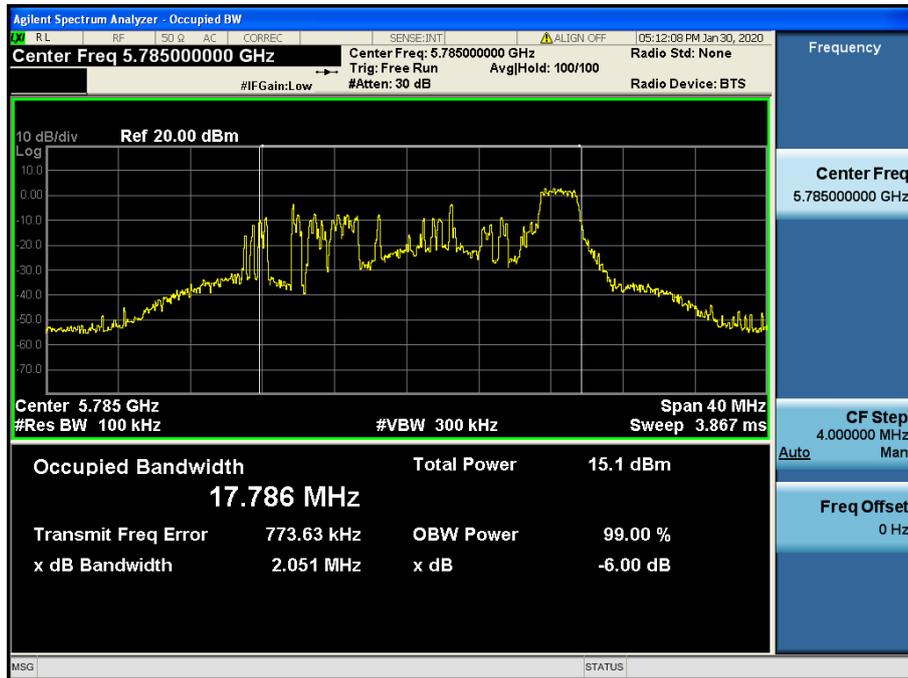
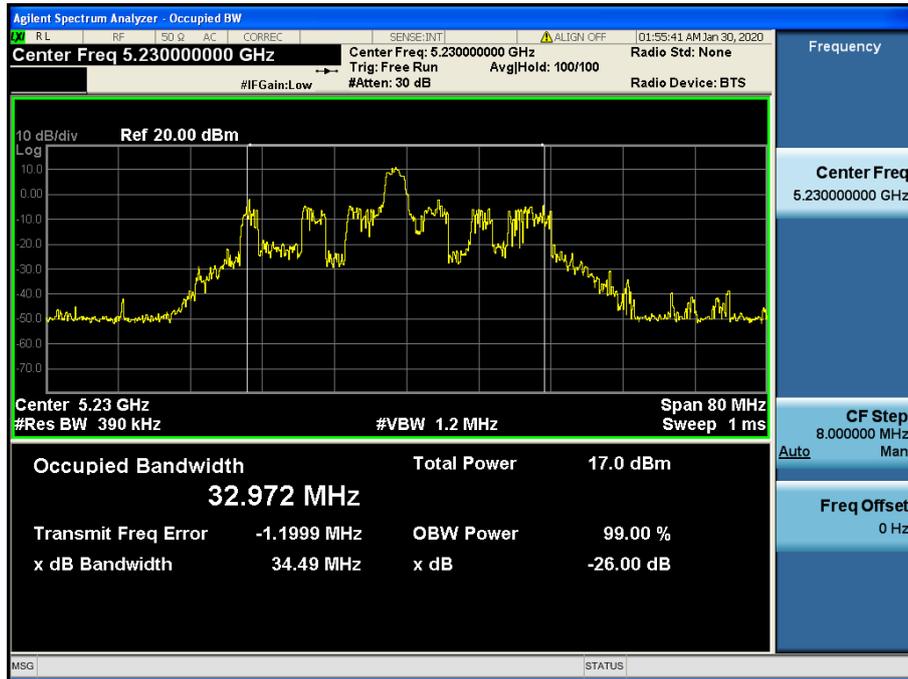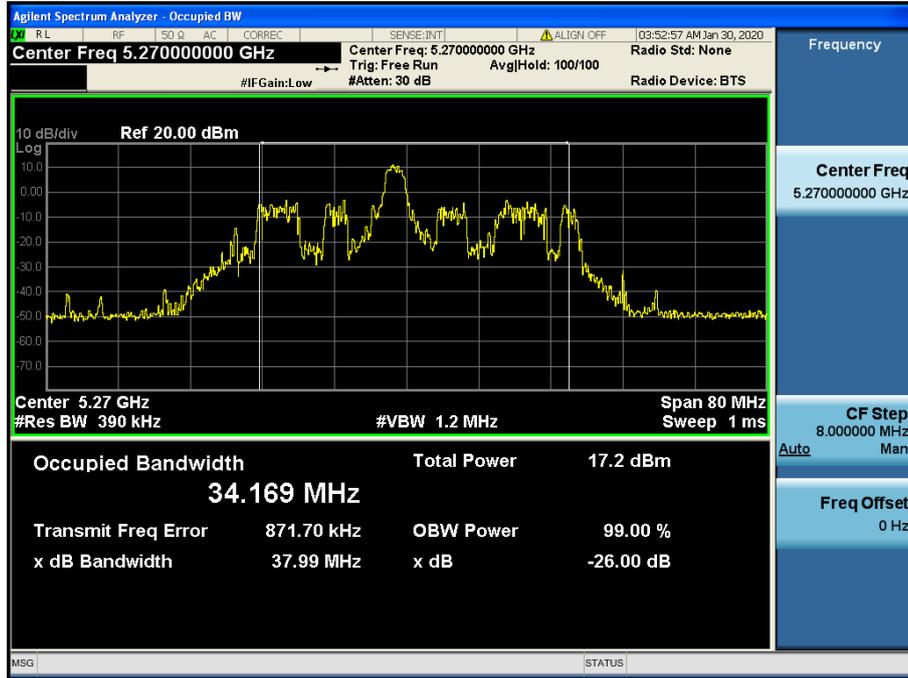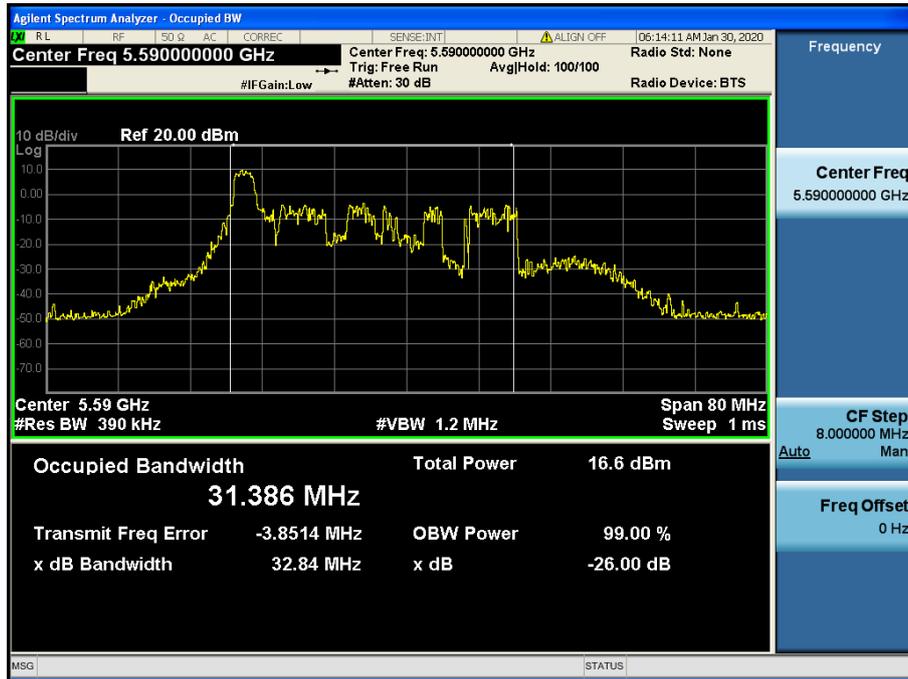## 6 dB Bandwidth                    Test Mode: 802.11ax HE20   &   ANT 2   &   T26   &   8RU   &   Ch.165
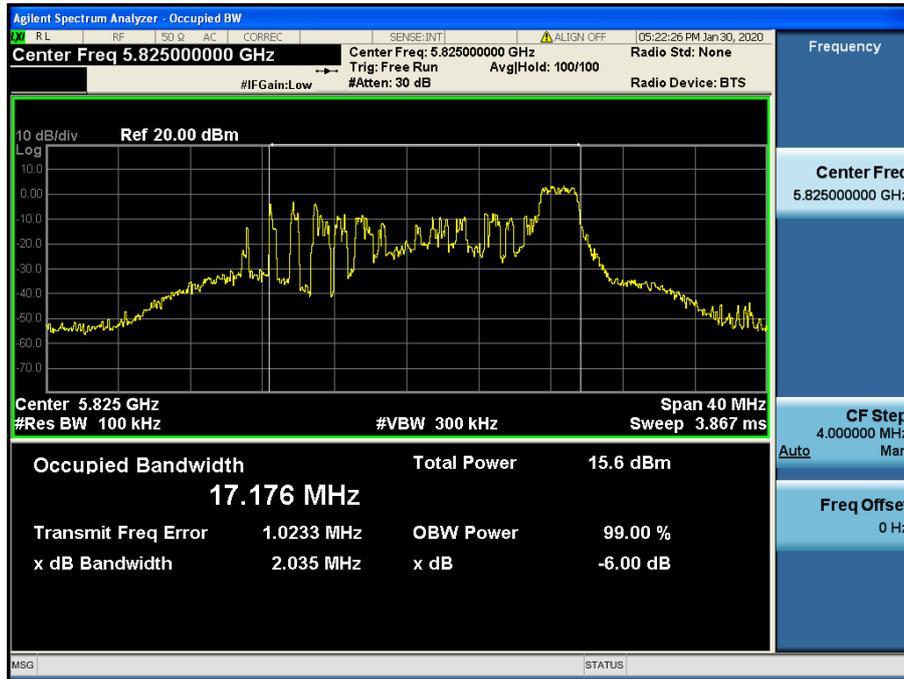
**6 dB Bandwidth**　　　　　Test Mode: 802.11ax HE40　&　ANT 2　&　T26　&　17RU　&　Ch.151
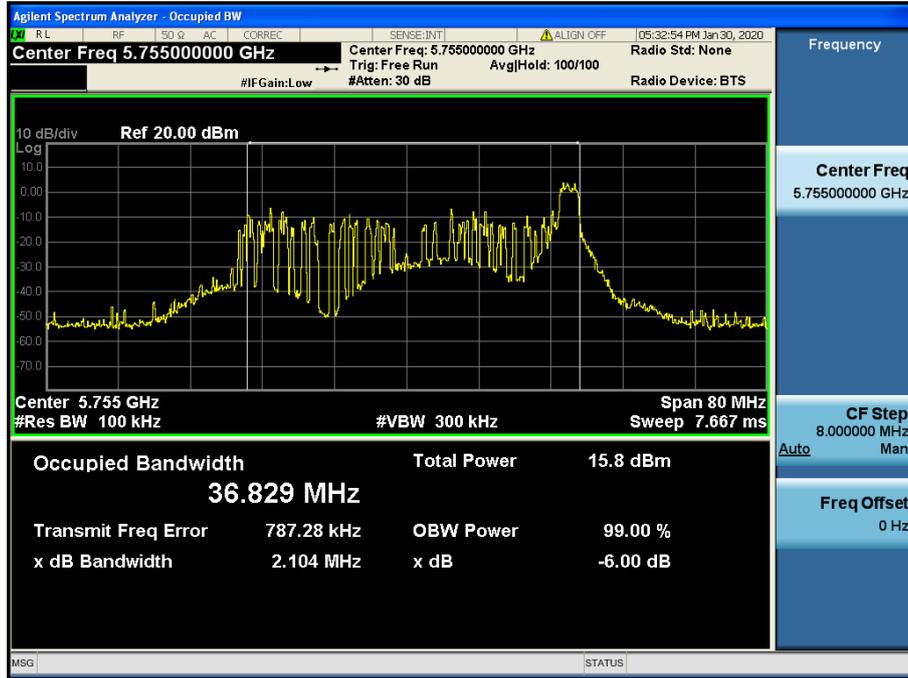


**6 dB Bandwidth**　　　　　Test Mode: 802.11ax HE40　&　ANT 2　&　T26　&　0RU　&　Ch.159
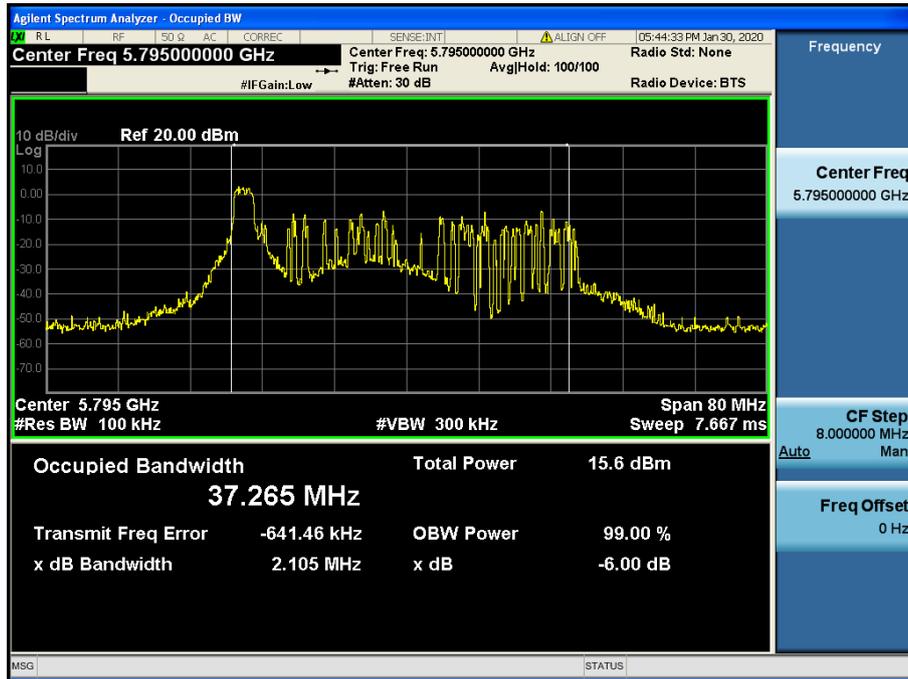
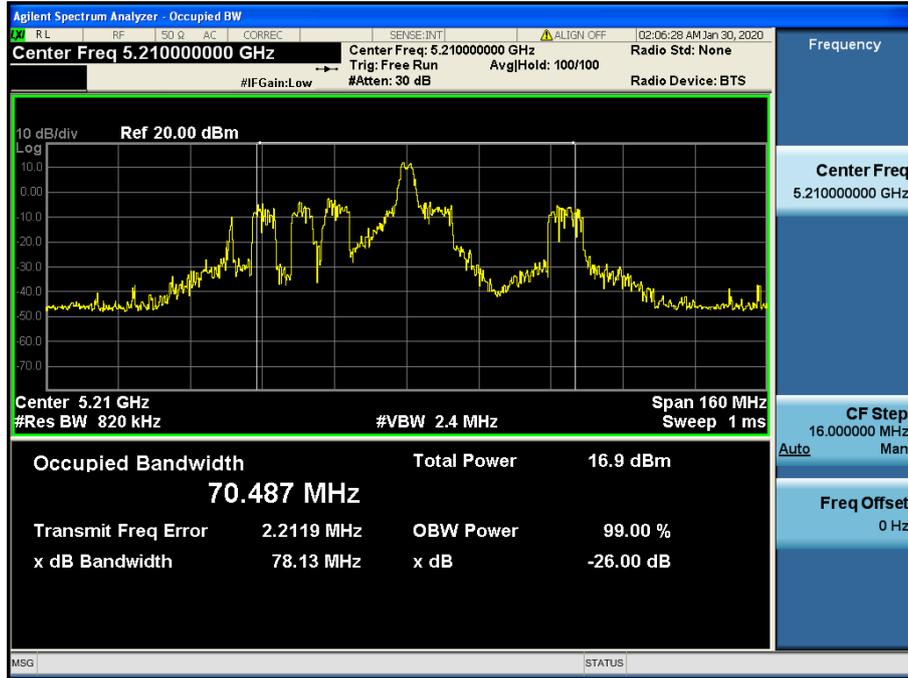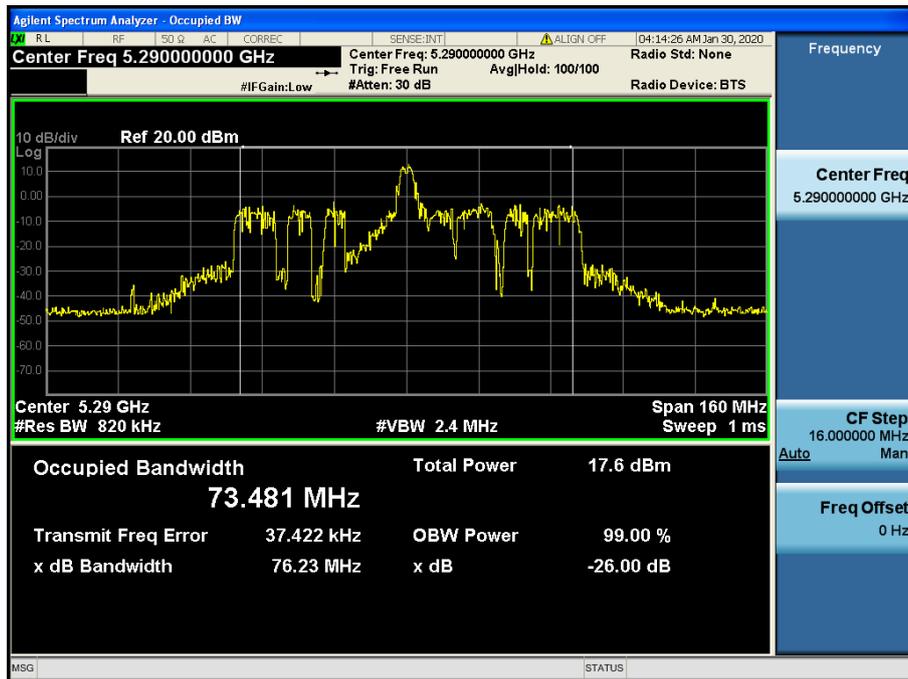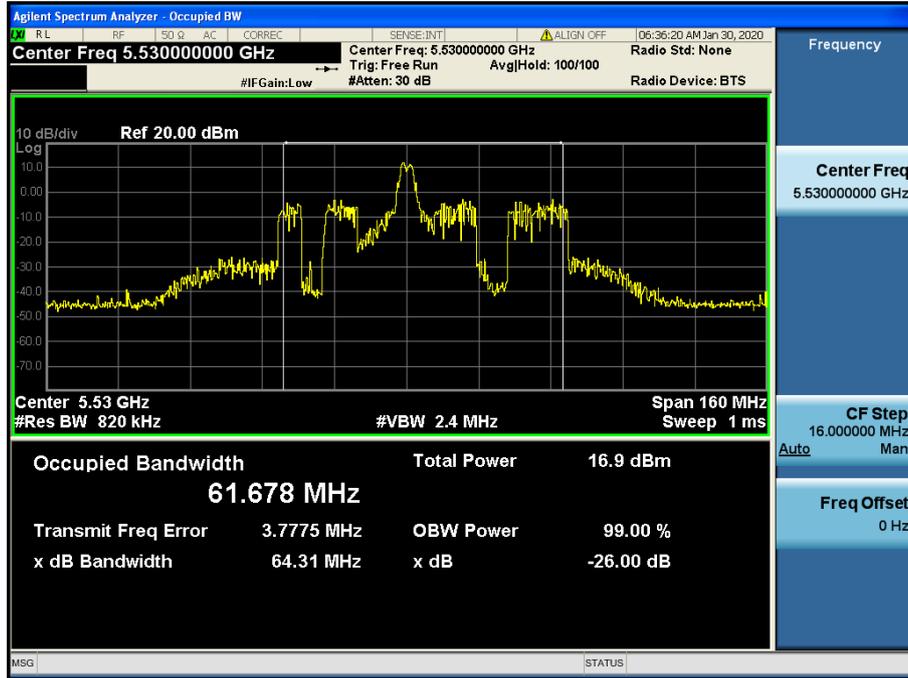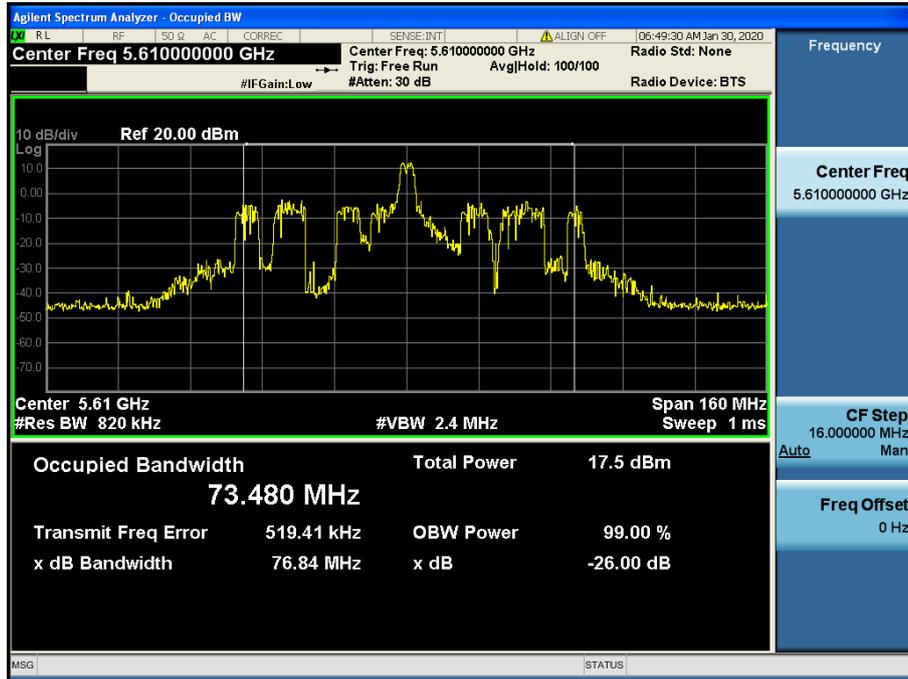## 6 dB Bandwidth　　　　Test Mode: 802.11ax HE80　&　ANT 2　&　T26　&　0RU　&　Ch.155
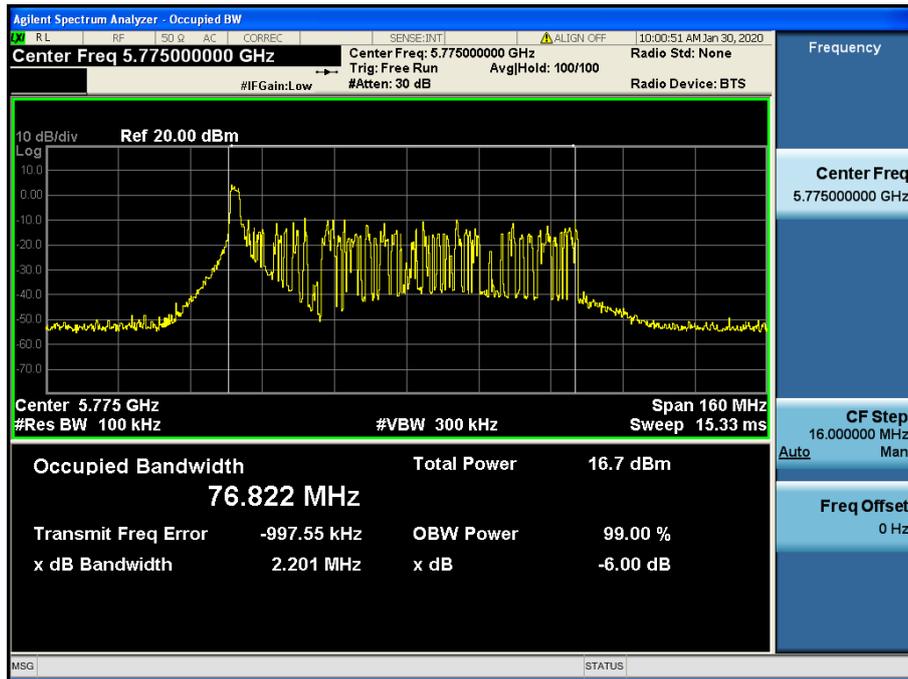
## 8.3 Maximum Conducted Output Power

▣ **Test Requirements**

**Part. 15.407(a)**

**(1) For the band 5.15 - 5.25 GHz.**

(i) For an outdoor access point operating in the band 5.15 - 5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) 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. 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.

(iii) For fixed point-to-point access points operating in the band 5.15 - 5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

**(iv) For mobile and portable 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. 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.**

**(2) For the 5.25 - 5.35 GHz**
**(3) 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 + 10 log B, where B is the 26 dB emission bandwidth in megahertz. 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.**

**(4) For the band 5.725 - 5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. 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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.**

**- Output power Limit Calculation**

| Band | Power Limit [mW] | Calculated Limit [dBm] | Antenna Gain (Worst case) [dBi] | Determined Limit [dBm] |
|---|---|---|---|---|
| U-NII 1 | 250 | 23.97 | -1.30 | **23.97** |

| Band | Power Limit [mW] / Least 26 dBc BW [MHz] | | Calculated Limit [dBm] | Antenna Gain (Worst case) [dBi] | Determined Limit [dBm] |
|---|---|---|---|---|---|
| U-NII 2A | 250 | | 23.97 | -1.30 | **22.52** |
| | 14.19 | | 22.52 | | |
| U-NII 2C | 250 | | 23.97 | -0.33 | **21.64** |
| | 11.60 | | 21.64 | | |

| Band | Power Limit [mW] | Calculated Limit [dBm] | Antenna Gain [dBi] | Determined Limit [dBm] |
|---|---|---|---|---|
| U-NII 3 | 1000 | 30.00 | -0.13 | **30.00** |

�él **Test Configuration**



Method PM-G

�él **Test Procedure**

**Method PM-G of KDB789033 D02**
Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

▣ **Test Results: Comply**

**- Output Power: Single & CDD**

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax HE20 | 5180 | 26 | 0 | 8.16 | 8.52 | 11.36 |
| | | | 4 | 8.23 | 8.53 | 11.39 |
| | | | 8 | 8.03 | 8.44 | 11.25 |
| | 5200 | 26 | 0 | 8.44 | 8.02 | 11.25 |
| | | | 4 | 8.47 | 8.11 | 11.30 |
| | | | 8 | 8.38 | 8.06 | 11.23 |
| | 5240 | 26 | 0 | 8.69 | 8.23 | 11.48 |
| | | | 4 | 8.61 | 8.34 | 11.49 |
| | | | 8 | 8.50 | 8.22 | 11.37 |
| | 5260 | 26 | 0 | 8.62 | 8.13 | 11.39 |
| | | | 4 | 8.59 | 8.22 | 11.42 |
| | | | 8 | 8.45 | 8.21 | 11.34 |
| | 5300 | 26 | 0 | 8.35 | 8.48 | 11.43 |
| | | | 4 | 8.44 | 8.53 | 11.49 |
| | | | 8 | 8.32 | 8.49 | 11.42 |
| | 5320 | 26 | 0 | 8.15 | 8.03 | 11.10 |
| | | | 4 | 8.10 | 8.03 | 11.07 |
| | | | 8 | 8.05 | 8.02 | 11.05 |
| | 5500 | 26 | 0 | 8.92 | 8.04 | 11.51 |
| | | | 4 | 9.03 | 8.18 | 11.64 |
| | | | 8 | 8.95 | 8.11 | 11.56 |
| | 5600 | 26 | 0 | 8.74 | 8.30 | 11.53 |
| | | | 4 | 8.74 | 8.37 | 11.57 |
| | | | 8 | 8.59 | 8.23 | 11.42 |
| | 5720 | 26 | 0 | 8.74 | 8.05 | 11.42 |
| | | | 4 | 8.64 | 8.12 | 11.40 |
| | | | 8 | 8.46 | 8.06 | 11.27 |
| | 5745 | 26 | 0 | 9.12 | 8.01 | 11.61 |
| | | | 4 | 9.00 | 8.05 | 11.56 |
| | | | 8 | 8.85 | 8.01 | 11.46 |
| | 5785 | 26 | 0 | 8.72 | 8.04 | 11.40 |
| | | | 4 | 8.67 | 8.05 | 11.38 |
| | | | 8 | 8.46 | 8.01 | 11.25 |
| | 5825 | 26 | 0 | 8.29 | 8.09 | 11.20 |
| | | | 4 | 8.32 | 8.12 | 11.23 |
| | | | 8 | 8.12 | 8.03 | 11.08 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax HE20 | 5180 | 52 | 37 | 8.22 | 8.45 | 11.34 |
| | | | 38 | 8.33 | 8.57 | 11.46 |
| | | | 40 | 8.12 | 8.53 | 11.34 |
| | 5200 | 52 | 37 | 8.51 | 8.01 | 11.28 |
| | | | 38 | 8.61 | 8.02 | 11.34 |
| | | | 40 | 8.49 | 8.03 | 11.28 |
| | 5240 | 52 | 37 | 8.69 | 8.35 | 11.53 |
| | | | 38 | 8.80 | 8.44 | 11.63 |
| | | | 40 | 8.59 | 8.43 | 11.52 |
| | 5260 | 52 | 37 | 8.67 | 8.25 | 11.47 |
| | | | 38 | 8.71 | 8.37 | 11.55 |
| | | | 40 | 8.54 | 8.29 | 11.43 |
| | 5300 | 52 | 37 | 8.41 | 8.56 | 11.50 |
| | | | 38 | 8.60 | 8.63 | 11.62 |
| | | | 40 | 8.42 | 8.53 | 11.48 |
| | 5320 | 52 | 37 | 8.25 | 8.02 | 11.14 |
| | | | 38 | 8.41 | 8.11 | 11.27 |
| | | | 40 | 8.21 | 8.03 | 11.13 |
| | 5500 | 52 | 37 | 9.03 | 8.17 | 11.63 |
| | | | 38 | 9.12 | 8.31 | 11.74 |
| | | | 40 | 8.99 | 8.21 | 11.63 |
| | 5600 | 52 | 37 | 8.76 | 8.37 | 11.58 |
| | | | 38 | 8.84 | 8.45 | 11.66 |
| | | | 40 | 8.62 | 8.34 | 11.49 |
| | 5720 | 52 | 37 | 8.79 | 8.18 | 11.50 |
| | | | 38 | 8.83 | 8.23 | 11.55 |
| | | | 40 | 8.52 | 8.08 | 11.32 |
| | 5745 | 52 | 37 | 9.14 | 8.20 | 11.70 |
| | | | 38 | 9.14 | 8.20 | 11.71 |
| | | | 40 | 8.92 | 8.00 | 11.50 |
| | 5785 | 52 | 37 | 8.82 | 8.13 | 11.50 |
| | | | 38 | 8.88 | 8.22 | 11.57 |
| | | | 40 | 8.59 | 8.05 | 11.34 |
| | 5825 | 52 | 37 | 8.43 | 8.19 | 11.32 |
| | | | 38 | 8.50 | 8.26 | 11.39 |
| | | | 40 | 8.23 | 8.04 | 11.15 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | **ANT 1** | **ANT 2** | **ANT1+ANT2 (CDD)** |
| 802.11ax HE20 | 5180 | 106 | 53 | 8.34 | 8.62 | 11.49 |
| | | | 54 | 8.22 | 8.69 | 11.47 |
| | 5200 | 106 | 53 | 8.63 | 8.11 | 11.39 |
| | | | 54 | 8.60 | 8.12 | 11.38 |
| | 5240 | 106 | 53 | 8.83 | 8.51 | 11.68 |
| | | | 54 | 8.75 | 8.49 | 11.63 |
| | 5260 | 106 | 53 | 8.77 | 8.42 | 11.61 |
| | | | 54 | 8.71 | 8.42 | 11.58 |
| | 5300 | 106 | 53 | 8.56 | 8.73 | 11.66 |
| | | | 54 | 8.55 | 8.67 | 11.62 |
| | 5320 | 106 | 53 | 8.38 | 8.23 | 11.32 |
| | | | 54 | 8.30 | 8.11 | 11.22 |
| | 5500 | 106 | 53 | 9.17 | 8.34 | 11.78 |
| | | | 54 | 9.09 | 8.31 | 11.73 |
| | 5600 | 106 | 53 | 8.90 | 8.51 | 11.72 |
| | | | 54 | 8.84 | 8.53 | 11.70 |
| | 5720 | 106 | 53 | 8.88 | 8.31 | 11.62 |
| | | | 54 | 8.73 | 8.21 | 11.48 |
| | 5745 | 106 | 53 | 9.27 | 8.31 | 11.82 |
| | | | 54 | 9.13 | 8.13 | 11.67 |
| | 5785 | 106 | 53 | 8.91 | 8.25 | 11.60 |
| | | | 54 | 8.81 | 8.12 | 11.49 |
| | 5825 | 106 | 53 | 8.61 | 8.27 | 11.45 |
| | | | 54 | 8.39 | 8.23 | 11.32 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | **ANT 1** | **ANT 2** | **ANT1+ANT2 (CDD)** |
| 802.11ax HE20 | 5180 | 242 | 61 | 8.51 | 8.76 | 11.65 |
| | 5200 | 242 | 61 | 8.81 | 8.28 | 11.56 |
| | 5240 | 242 | 61 | 9.02 | 8.64 | 11.84 |
| | 5260 | 242 | 61 | 8.92 | 8.58 | 11.76 |
| | 5300 | 242 | 61 | 8.89 | 8.89 | 11.90 |
| | 5320 | 242 | 61 | 8.51 | 8.29 | 11.41 |
| | 5500 | 242 | 61 | 9.35 | 8.50 | 11.96 |
| | 5600 | 242 | 61 | 9.08 | 8.69 | 11.90 |
| | 5720 | 242 | 61 | 9.04 | 8.40 | 11.74 |
| | 5745 | 242 | 61 | 9.45 | 8.37 | 11.95 |
| | 5785 | 242 | 61 | 9.00 | 8.32 | 11.68 |
| | 5825 | 242 | 61 | 8.71 | 8.39 | 11.56 |
| 802.11ax HE20 | 5180 | SU | NA | 14.58 | 14.60 | 17.60 |
| | 5200 | SU | NA | 14.45 | 14.67 | 17.57 |
| | 5240 | SU | NA | 14.23 | 14.66 | 17.46 |
| | 5260 | SU | NA | 14.25 | 14.67 | 17.48 |
| | 5300 | SU | NA | 14.34 | 14.42 | 17.39 |
| | 5320 | SU | NA | 14.20 | 14.48 | 17.35 |
| | 5500 | SU | NA | 14.51 | 14.20 | 17.37 |
| | 5600 | SU | NA | 14.46 | 14.54 | 17.51 |
| | 5720 | SU | NA | 14.71 | 14.17 | 17.46 |
| | 5745 | SU | NA | 14.64 | 14.17 | 17.42 |
| | 5785 | SU | NA | 14.54 | 13.98 | 17.28 |
| | 5825 | SU | NA | 14.17 | 14.22 | 17.20 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
| --- | --- | --- | --- | --- | --- | --- |
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax HE40 | 5190 | 26 | 0 | 8.48 | 8.05 | 11.28 |
| | | | 8 | 9.03 | 8.62 | 11.84 |
| | | | 17 | 8.21 | 8.44 | 11.33 |
| | 5230 | 26 | 0 | 8.33 | 8.42 | 11.38 |
| | | | 8 | 8.78 | 8.98 | 11.89 |
| | | | 17 | 8.15 | 8.58 | 11.38 |
| | 5270 | 26 | 0 | 8.54 | 8.35 | 11.46 |
| | | | 8 | 9.01 | 8.86 | 11.95 |
| | | | 17 | 8.41 | 8.44 | 11.44 |
| | 5310 | 26 | 0 | 8.44 | 8.41 | 11.44 |
| | | | 8 | 8.85 | 8.90 | 11.89 |
| | | | 17 | 8.34 | 8.35 | 11.36 |
| | 5510 | 26 | 0 | 8.57 | 8.17 | 11.38 |
| | | | 8 | 9.07 | 8.75 | 11.92 |
| | | | 17 | 8.61 | 8.38 | 11.50 |
| | 5590 | 26 | 0 | 8.76 | 8.21 | 11.51 |
| | | | 8 | 9.22 | 8.86 | 12.06 |
| | | | 17 | 8.56 | 8.45 | 11.52 |
| | 5710 | 26 | 0 | 9.22 | 8.28 | 11.78 |
| | | | 8 | 9.59 | 8.72 | 12.19 |
| | | | 17 | 8.93 | 8.14 | 11.56 |
| | 5755 | 26 | 0 | 8.93 | 8.39 | 11.68 |
| | | | 8 | 9.28 | 8.76 | 12.04 |
| | | | 17 | 8.45 | 8.10 | 11.29 |
| | 5795 | 26 | 0 | 9.40 | 8.32 | 11.91 |
| | | | 8 | 9.65 | 8.68 | 12.20 |
| | | | 17 | 8.68 | 8.01 | 11.37 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | **ANT 1** | **ANT 2** | **ANT1+ANT2 (CDD)** |
| 802.11ax HE40 | 5190 | 52 | 37 | 8.67 | 8.15 | 11.43 |
| | | | 40 | 8.97 | 8.61 | 11.81 |
| | | | 44 | 8.51 | 8.32 | 11.43 |
| | 5230 | 52 | 37 | 8.39 | 8.53 | 11.47 |
| | | | 40 | 8.77 | 9.04 | 11.92 |
| | | | 44 | 8.24 | 8.67 | 11.47 |
| | 5270 | 52 | 37 | 8.71 | 8.42 | 11.57 |
| | | | 40 | 9.02 | 8.88 | 11.96 |
| | | | 44 | 8.55 | 8.52 | 11.54 |
| | 5310 | 52 | 37 | 8.50 | 8.56 | 11.54 |
| | | | 40 | 8.86 | 8.93 | 11.91 |
| | | | 44 | 8.36 | 8.46 | 11.42 |
| | 5510 | 52 | 37 | 8.70 | 8.30 | 11.51 |
| | | | 40 | 9.09 | 8.79 | 11.95 |
| | | | 44 | 8.61 | 8.51 | 11.57 |
| | 5590 | 52 | 37 | 8.88 | 8.44 | 11.68 |
| | | | 40 | 9.20 | 8.88 | 12.06 |
| | | | 44 | 8.65 | 8.54 | 11.60 |
| | 5710 | 52 | 37 | 9.26 | 8.37 | 11.85 |
| | | | 40 | 9.65 | 8.74 | 12.23 |
| | | | 44 | 9.00 | 8.26 | 11.66 |
| | 5755 | 52 | 37 | 8.98 | 8.52 | 11.77 |
| | | | 40 | 9.17 | 8.82 | 12.01 |
| | | | 44 | 8.57 | 8.25 | 11.42 |
| | 5795 | 52 | 37 | 9.40 | 8.41 | 11.94 |
| | | | 40 | 9.67 | 8.73 | 12.23 |
| | | | 44 | 8.93 | 8.05 | 11.52 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax HE40 | 5190 | 106 | 53 | 8.89 | 8.45 | 11.68 |
| | | | 54 | 9.09 | 8.76 | 11.94 |
| | | | 56 | 8.61 | 8.56 | 11.60 |
| | 5230 | 106 | 53 | 8.77 | 8.80 | 11.79 |
| | | | 54 | 8.96 | 9.12 | 12.05 |
| | | | 56 | 8.49 | 8.87 | 11.69 |
| | 5270 | 106 | 53 | 8.98 | 8.68 | 11.84 |
| | | | 54 | 9.19 | 8.98 | 12.09 |
| | | | 56 | 8.74 | 8.74 | 11.75 |
| | 5310 | 106 | 53 | 8.82 | 8.72 | 11.78 |
| | | | 54 | 9.00 | 9.01 | 12.02 |
| | | | 56 | 8.69 | 8.79 | 11.75 |
| | 5510 | 106 | 53 | 9.00 | 8.56 | 11.79 |
| | | | 54 | 9.22 | 8.90 | 12.07 |
| | | | 56 | 8.93 | 8.75 | 11.85 |
| | 5590 | 106 | 53 | 9.11 | 8.64 | 11.89 |
| | | | 54 | 9.38 | 8.96 | 12.18 |
| | | | 56 | 8.95 | 8.80 | 11.88 |
| | 5710 | 106 | 53 | 9.57 | 8.61 | 12.13 |
| | | | 54 | 9.73 | 8.87 | 12.33 |
| | | | 56 | 9.37 | 8.53 | 11.98 |
| | 5755 | 106 | 53 | 9.28 | 8.75 | 12.03 |
| | | | 54 | 9.42 | 8.90 | 12.18 |
| | | | 56 | 8.95 | 8.47 | 11.72 |
| | 5795 | 106 | 53 | 9.59 | 8.58 | 12.12 |
| | | | 54 | 9.73 | 8.79 | 12.30 |
| | | | 56 | 9.23 | 8.24 | 11.77 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax HE40 | 5190 | 242 | 61 | 8.86 | 8.43 | 11.66 |
| | | | 62 | 8.80 | 8.53 | 11.67 |
| | 5230 | 242 | 61 | 8.79 | 8.83 | 11.82 |
| | | | 62 | 8.59 | 9.00 | 11.81 |
| | 5270 | 242 | 61 | 9.01 | 8.81 | 11.92 |
| | | | 62 | 8.82 | 8.78 | 11.81 |
| | 5310 | 242 | 61 | 8.69 | 8.74 | 11.73 |
| | | | 62 | 8.78 | 8.79 | 11.79 |
| | 5510 | 242 | 61 | 9.06 | 8.61 | 11.85 |
| | | | 62 | 9.01 | 8.72 | 11.88 |
| | 5590 | 242 | 61 | 9.06 | 8.73 | 11.91 |
| | | | 62 | 9.02 | 8.71 | 11.88 |
| | 5710 | 242 | 61 | 9.61 | 8.62 | 12.15 |
| | | | 62 | 9.42 | 8.57 | 12.03 |
| | 5755 | 242 | 61 | 9.25 | 8.72 | 12.00 |
| | | | 62 | 9.18 | 8.55 | 11.89 |
| | 5795 | 242 | 61 | 9.61 | 8.57 | 12.13 |
| | | | 62 | 9.42 | 8.39 | 11.95 |
| 802.11ax HE40 | 5190 | 484 | 65 | 8.95 | 8.53 | 11.76 |
| | 5230 | 484 | 65 | 8.72 | 8.88 | 11.81 |
| | 5270 | 484 | 65 | 8.97 | 8.78 | 11.89 |
| | 5310 | 484 | 65 | 8.84 | 8.82 | 11.84 |
| | 5510 | 484 | 65 | 9.01 | 8.66 | 11.85 |
| | 5590 | 484 | 65 | 9.18 | 8.78 | 11.99 |
| | 5710 | 484 | 65 | 9.64 | 8.64 | 12.18 |
| | 5755 | 484 | 65 | 9.19 | 8.67 | 11.95 |
| | 5795 | 484 | 65 | 9.52 | 8.48 | 12.04 |
| 802.11ax HE40 | 5190 | SU | NA | 10.50 | 10.39 | 13.45 |
| | 5230 | SU | NA | 13.89 | 13.79 | 16.85 |
| | 5270 | SU | NA | 13.83 | 13.79 | 16.82 |
| | 5310 | SU | NA | 10.33 | 10.21 | 13.28 |
| | 5510 | SU | NA | 10.64 | 9.90 | 13.29 |
| | 5590 | SU | NA | 14.28 | 13.75 | 17.03 |
| | 5710 | SU | NA | 14.39 | 13.60 | 17.03 |
| | 5755 | SU | NA | 14.40 | 13.53 | 17.00 |
| | 5795 | SU | NA | 14.29 | 13.48 | 16.92 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax HE80 | 5210 | 26 | 0 | 8.59 | 8.18 | 11.40 |
| | | | 18 | 8.66 | 8.98 | 11.83 |
| | | | 36 | 8.07 | 8.76 | 11.44 |
| | 5290 | 26 | 0 | 8.46 | 8.70 | 11.59 |
| | | | 18 | 8.49 | 9.21 | 11.88 |
| | | | 36 | 8.13 | 8.90 | 11.54 |
| | 5530 | 26 | 0 | 8.66 | 8.41 | 11.55 |
| | | | 18 | 8.80 | 8.74 | 11.78 |
| | | | 36 | 8.31 | 8.47 | 11.40 |
| | 5610 | 26 | 0 | 9.08 | 8.59 | 11.85 |
| | | | 18 | 9.27 | 8.87 | 12.08 |
| | | | 36 | 8.60 | 8.53 | 11.57 |
| | 5690 | 26 | 0 | 9.18 | 8.55 | 11.89 |
| | | | 18 | 9.05 | 8.63 | 11.85 |
| | | | 36 | 8.50 | 8.16 | 11.35 |
| | 5775 | 26 | 0 | 9.28 | 8.58 | 11.95 |
| | | | 18 | 8.97 | 8.60 | 11.80 |
| | | | 36 | 8.12 | 8.02 | 11.08 |
| 802.11ax HE80 | 5210 | 52 | 37 | 8.56 | 8.31 | 11.45 |
| | | | 44 | 8.78 | 8.92 | 11.86 |
| | | | 52 | 8.32 | 8.93 | 11.64 |
| | 5290 | 52 | 37 | 8.65 | 8.66 | 11.67 |
| | | | 44 | 8.57 | 9.16 | 11.88 |
| | | | 52 | 8.18 | 9.12 | 11.69 |
| | 5530 | 52 | 37 | 8.72 | 8.24 | 11.50 |
| | | | 44 | 8.89 | 8.74 | 11.83 |
| | | | 52 | 8.55 | 8.61 | 11.59 |
| | 5610 | 52 | 37 | 9.12 | 8.56 | 11.86 |
| | | | 44 | 9.33 | 8.82 | 12.09 |
| | | | 52 | 8.81 | 8.77 | 11.80 |
| | 5690 | 52 | 37 | 8.94 | 8.70 | 11.83 |
| | | | 44 | 9.13 | 8.70 | 11.93 |
| | | | 52 | 8.48 | 8.43 | 11.47 |
| | 5775 | 52 | 37 | 9.24 | 8.63 | 11.96 |
| | | | 44 | 9.17 | 8.61 | 11.91 |
| | | | 52 | 8.39 | 8.41 | 11.41 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax HE80 | 5210 | 106 | 53 | 8.82 | 8.42 | 11.63 |
| | | | 56 | 8.85 | 8.95 | 11.91 |
| | | | 60 | 8.21 | 8.90 | 11.58 |
| | 5290 | 106 | 53 | 8.64 | 8.86 | 11.77 |
| | | | 56 | 8.71 | 9.20 | 11.97 |
| | | | 60 | 8.33 | 9.04 | 11.71 |
| | 5530 | 106 | 53 | 8.88 | 8.48 | 11.69 |
| | | | 56 | 8.98 | 8.69 | 11.85 |
| | | | 60 | 8.41 | 8.70 | 11.56 |
| | 5610 | 106 | 53 | 9.35 | 8.75 | 12.07 |
| | | | 56 | 9.37 | 8.92 | 12.16 |
| | | | 60 | 8.90 | 8.87 | 11.89 |
| | 5690 | 106 | 53 | 9.07 | 8.71 | 11.90 |
| | | | 56 | 9.21 | 8.85 | 12.04 |
| | | | 60 | 8.62 | 8.51 | 11.58 |
| | 5775 | 106 | 53 | 9.37 | 8.74 | 12.07 |
| | | | 56 | 9.23 | 8.69 | 11.98 |
| | | | 60 | 8.36 | 8.08 | 11.23 |
| 802.11ax HE80 | 5210 | 242 | 61 | 8.83 | 8.65 | 11.75 |
| | | | 62 | 8.85 | 8.88 | 11.88 |
| | | | 64 | 8.41 | 8.97 | 11.71 |
| | 5290 | 242 | 61 | 8.82 | 8.87 | 11.85 |
| | | | 62 | 8.69 | 9.16 | 11.94 |
| | | | 64 | 8.38 | 9.16 | 11.80 |
| | 5530 | 242 | 61 | 8.96 | 8.54 | 11.76 |
| | | | 62 | 9.11 | 8.71 | 11.92 |
| | | | 64 | 8.54 | 8.69 | 11.63 |
| | 5610 | 242 | 61 | 9.52 | 8.74 | 12.16 |
| | | | 62 | 9.50 | 8.91 | 12.22 |
| | | | 64 | 8.89 | 8.92 | 11.92 |
| | 5690 | 242 | 61 | 9.32 | 8.73 | 12.05 |
| | | | 62 | 9.39 | 8.78 | 12.11 |
| | | | 64 | 8.77 | 8.49 | 11.64 |
| | 5775 | 242 | 61 | 9.65 | 8.76 | 12.24 |
| | | | 62 | 9.50 | 8.68 | 12.12 |
| | | | 64 | 8.50 | 8.43 | 11.48 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax HE80 | 5210 | 484 | 65 | 8.93 | 8.75 | 11.85 |
| | | | 66 | 8.52 | 9.03 | 11.79 |
| | 5290 | 484 | 65 | 8.84 | 8.99 | 11.93 |
| | | | 66 | 8.41 | 9.27 | 11.87 |
| | 5530 | 484 | 65 | 9.11 | 8.57 | 11.86 |
| | | | 66 | 8.76 | 8.78 | 11.78 |
| | 5610 | 484 | 65 | 9.52 | 8.83 | 12.20 |
| | | | 66 | 9.06 | 8.80 | 11.94 |
| | 5690 | 484 | 65 | 9.29 | 8.74 | 12.04 |
| | | | 66 | 8.84 | 8.56 | 11.72 |
| | 5775 | 484 | 65 | 9.58 | 8.77 | 12.21 |
| | | | 66 | 8.71 | 8.52 | 11.63 |
| 802.11ax HE80 | 5210 | 996 | 67 | 8.65 | 8.73 | 11.70 |
| | 5290 | 996 | 67 | 8.47 | 9.00 | 11.75 |
| | 5530 | 996 | 67 | 8.72 | 8.54 | 11.64 |
| | 5610 | 996 | 67 | 9.24 | 8.76 | 12.02 |
| | 5690 | 996 | 67 | 9.06 | 8.52 | 11.81 |
| | 5775 | 996 | 67 | 9.00 | 8.41 | 11.73 |
| 802.11ax HE80 | 5210 | SU | NA | 10.64 | 10.19 | 13.43 |
| | 5290 | SU | NA | 10.27 | 10.25 | 13.27 |
| | 5530 | SU | NA | 12.74 | 11.96 | 15.38 |
| | 5610 | SU | NA | 12.82 | 12.09 | 15.48 |
| | 5690 | SU | NA | 12.69 | 12.03 | 15.38 |
| | 5775 | SU | NA | 12.62 | 11.61 | 15.15 |

**- Summed Output Power: SDM**

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (SDM) |
| 802.11ax HE20 | 5180 | 26 | 0 | 8.13 | 8.48 | 11.32 |
| | | | 4 | 8.11 | 8.65 | 11.40 |
| | | | 8 | 8.19 | 8.47 | 11.34 |
| | 5200 | 26 | 0 | 8.48 | 8.02 | 11.26 |
| | | | 4 | 8.39 | 8.15 | 11.29 |
| | | | 8 | 8.58 | 8.05 | 11.33 |
| | 5240 | 26 | 0 | 8.69 | 8.37 | 11.54 |
| | | | 4 | 8.61 | 8.56 | 11.60 |
| | | | 8 | 8.63 | 8.39 | 11.52 |
| | 5260 | 26 | 0 | 8.70 | 8.25 | 11.49 |
| | | | 4 | 8.56 | 8.54 | 11.56 |
| | | | 8 | 8.66 | 8.32 | 11.50 |
| | 5300 | 26 | 0 | 8.53 | 8.69 | 11.62 |
| | | | 4 | 8.38 | 8.93 | 11.67 |
| | | | 8 | 8.56 | 8.60 | 11.59 |
| | 5320 | 26 | 0 | 8.25 | 8.19 | 11.23 |
| | | | 4 | 8.21 | 8.34 | 11.29 |
| | | | 8 | 8.30 | 8.11 | 11.22 |
| | 5500 | 26 | 0 | 9.03 | 8.38 | 11.73 |
| | | | 4 | 9.01 | 8.63 | 11.83 |
| | | | 8 | 9.11 | 8.33 | 11.75 |
| | 5600 | 26 | 0 | 8.74 | 8.57 | 11.67 |
| | | | 4 | 8.66 | 8.74 | 11.71 |
| | | | 8 | 8.78 | 8.44 | 11.62 |
| | 5720 | 26 | 0 | 8.74 | 8.35 | 11.56 |
| | | | 4 | 8.66 | 8.48 | 11.58 |
| | | | 8 | 8.68 | 8.11 | 11.41 |
| | 5745 | 26 | 0 | 9.12 | 8.31 | 11.74 |
| | | | 4 | 8.94 | 8.41 | 11.69 |
| | | | 8 | 9.07 | 8.08 | 11.61 |
| | 5785 | 26 | 0 | 8.80 | 8.25 | 11.55 |
| | | | 4 | 8.71 | 8.45 | 11.59 |
| | | | 8 | 8.77 | 8.02 | 11.42 |
| | 5825 | 26 | 0 | 8.45 | 8.33 | 11.40 |
| | | | 4 | 8.32 | 8.42 | 11.38 |
| | | | 8 | 8.42 | 8.01 | 11.23 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (SDM) |
| 802.11ax HE20 | 5180 | 52 | 37 | 8.36 | 8.50 | 11.44 |
| | | | 38 | 8.45 | 8.71 | 11.59 |
| | | | 40 | 8.29 | 8.58 | 11.45 |
| | 5200 | 52 | 37 | 8.65 | 8.07 | 11.38 |
| | | | 38 | 8.70 | 8.13 | 11.43 |
| | | | 40 | 8.55 | 8.10 | 11.34 |
| | 5240 | 52 | 37 | 8.85 | 8.46 | 11.67 |
| | | | 38 | 8.97 | 8.59 | 11.79 |
| | | | 40 | 8.79 | 8.52 | 11.66 |
| | 5260 | 52 | 37 | 8.88 | 8.41 | 11.66 |
| | | | 38 | 8.89 | 8.51 | 11.71 |
| | | | 40 | 8.76 | 8.46 | 11.62 |
| | 5300 | 52 | 37 | 8.70 | 8.80 | 11.76 |
| | | | 38 | 8.69 | 8.91 | 11.81 |
| | | | 40 | 8.61 | 8.79 | 11.71 |
| | 5320 | 52 | 37 | 8.43 | 8.28 | 11.36 |
| | | | 38 | 8.58 | 8.41 | 11.51 |
| | | | 40 | 8.47 | 8.20 | 11.35 |
| | 5500 | 52 | 37 | 9.17 | 8.42 | 11.83 |
| | | | 38 | 9.20 | 8.58 | 11.91 |
| | | | 40 | 9.21 | 8.49 | 11.87 |
| | 5600 | 52 | 37 | 8.88 | 8.62 | 11.76 |
| | | | 38 | 8.98 | 8.75 | 11.87 |
| | | | 40 | 8.92 | 8.66 | 11.80 |
| | 5720 | 52 | 37 | 8.91 | 8.32 | 11.63 |
| | | | 38 | 8.98 | 8.34 | 11.68 |
| | | | 40 | 8.74 | 8.18 | 11.48 |
| | 5745 | 52 | 37 | 9.23 | 8.26 | 11.78 |
| | | | 38 | 9.33 | 8.32 | 11.87 |
| | | | 40 | 9.21 | 8.14 | 11.72 |
| | 5785 | 52 | 37 | 8.92 | 8.23 | 11.60 |
| | | | 38 | 8.94 | 8.34 | 11.66 |
| | | | 40 | 8.81 | 8.10 | 11.48 |
| | 5825 | 52 | 37 | 8.63 | 8.22 | 11.44 |
| | | | 38 | 8.64 | 8.32 | 11.49 |
| | | | 40 | 8.45 | 8.06 | 11.27 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|------|-----------|------|----------|-------|-------|-------------------|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (SDM) |
| 802.11ax HE20 | 5180 | 106 | 53 | 8.34 | 8.68 | 11.52 |
| | | | 54 | 8.30 | 8.67 | 11.50 |
| | 5200 | 106 | 53 | 8.83 | 8.08 | 11.48 |
| | | | 54 | 8.51 | 8.16 | 11.35 |
| | 5240 | 106 | 53 | 8.87 | 8.41 | 11.66 |
| | | | 54 | 8.72 | 8.59 | 11.66 |
| | 5260 | 106 | 53 | 8.91 | 8.38 | 11.66 |
| | | | 54 | 8.74 | 8.52 | 11.64 |
| | 5300 | 106 | 53 | 8.76 | 8.80 | 11.79 |
| | | | 54 | 8.59 | 8.85 | 11.74 |
| | 5320 | 106 | 53 | 8.51 | 8.24 | 11.39 |
| | | | 54 | 8.39 | 8.34 | 11.37 |
| | 5500 | 106 | 53 | 9.21 | 8.44 | 11.85 |
| | | | 54 | 9.14 | 8.66 | 11.91 |
| | 5600 | 106 | 53 | 8.98 | 8.64 | 11.82 |
| | | | 54 | 8.85 | 8.70 | 11.79 |
| | 5720 | 106 | 53 | 8.95 | 8.38 | 11.68 |
| | | | 54 | 8.78 | 8.40 | 11.61 |
| | 5745 | 106 | 53 | 9.31 | 8.40 | 11.89 |
| | | | 54 | 9.19 | 8.33 | 11.79 |
| | 5785 | 106 | 53 | 8.95 | 8.32 | 11.66 |
| | | | 54 | 8.76 | 8.33 | 11.56 |
| | 5825 | 106 | 53 | 8.63 | 8.35 | 11.50 |
| | | | 54 | 8.45 | 8.26 | 11.36 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | **ANT 1** | **ANT 2** | **ANT1+ANT2 (SDM)** |
| 802.11ax HE20 | 5180 | 242 | 61 | 8.48 | 8.69 | 11.59 |
| | 5200 | 242 | 61 | 8.79 | 8.20 | 11.52 |
| | 5240 | 242 | 61 | 8.98 | 8.63 | 11.82 |
| | 5260 | 242 | 61 | 9.03 | 8.60 | 11.83 |
| | 5300 | 242 | 61 | 8.82 | 8.92 | 11.88 |
| | 5320 | 242 | 61 | 8.63 | 8.39 | 11.52 |
| | 5500 | 242 | 61 | 9.35 | 8.66 | 12.03 |
| | 5600 | 242 | 61 | 9.09 | 8.78 | 11.95 |
| | 5720 | 242 | 61 | 9.03 | 8.48 | 11.77 |
| | 5745 | 242 | 61 | 9.40 | 8.49 | 11.98 |
| | 5785 | 242 | 61 | 9.09 | 8.38 | 11.75 |
| | 5825 | 242 | 61 | 8.75 | 8.44 | 11.61 |
| 802.11ax HE20 | 5180 | SU | NA | 14.66 | 14.73 | 17.70 |
| | 5200 | SU | NA | 14.59 | 14.73 | 17.67 |
| | 5240 | SU | NA | 14.41 | 14.84 | 17.64 |
| | 5260 | SU | NA | 14.42 | 14.83 | 17.64 |
| | 5300 | SU | NA | 14.53 | 14.69 | 17.62 |
| | 5320 | SU | NA | 14.38 | 14.68 | 17.54 |
| | 5500 | SU | NA | 14.68 | 14.44 | 17.57 |
| | 5600 | SU | NA | 14.61 | 14.75 | 17.69 |
| | 5720 | SU | NA | 14.86 | 14.39 | 17.64 |
| | 5745 | SU | NA | 14.79 | 14.35 | 17.59 |
| | 5785 | SU | NA | 14.73 | 14.25 | 17.50 |
| | 5825 | SU | NA | 14.42 | 14.44 | 17.44 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|------|-----------|------|----------|-------|-------|-------------------|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (SDM) |
| 802.11ax HE40 | 5190 | 26 | 0 | 8.54 | 8.07 | 11.32 |
| | | | 8 | 9.03 | 8.67 | 11.86 |
| | | | 17 | 8.45 | 8.18 | 11.32 |
| | 5230 | 26 | 0 | 8.40 | 8.52 | 11.47 |
| | | | 8 | 8.93 | 9.04 | 11.99 |
| | | | 17 | 8.31 | 8.62 | 11.48 |
| | 5270 | 26 | 0 | 8.65 | 8.51 | 11.59 |
| | | | 8 | 9.15 | 8.97 | 12.07 |
| | | | 17 | 8.53 | 8.49 | 11.52 |
| | 5310 | 26 | 0 | 8.61 | 8.53 | 11.58 |
| | | | 8 | 9.04 | 9.10 | 12.08 |
| | | | 17 | 8.41 | 8.57 | 11.50 |
| | 5510 | 26 | 0 | 8.74 | 8.42 | 11.59 |
| | | | 8 | 9.26 | 8.99 | 12.14 |
| | | | 17 | 8.74 | 8.61 | 11.68 |
| | 5590 | 26 | 0 | 8.82 | 8.49 | 11.67 |
| | | | 8 | 9.34 | 9.07 | 12.22 |
| | | | 17 | 8.74 | 8.69 | 11.72 |
| | 5710 | 26 | 0 | 9.28 | 8.48 | 11.91 |
| | | | 8 | 9.84 | 8.79 | 12.36 |
| | | | 17 | 9.12 | 8.46 | 11.81 |
| | 5755 | 26 | 0 | 8.96 | 8.55 | 11.77 |
| | | | 8 | 9.46 | 8.86 | 12.18 |
| | | | 17 | 8.75 | 8.41 | 11.59 |
| | 5795 | 26 | 0 | 9.39 | 8.44 | 11.95 |
| | | | 8 | 9.74 | 8.74 | 12.28 |
| | | | 17 | 9.04 | 8.11 | 11.61 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (SDM) |
| 802.11ax HE40 | 5190 | 52 | 37 | 8.59 | 8.42 | 11.51 |
| | | | 40 | 8.93 | 8.75 | 11.85 |
| | | | 44 | 8.64 | 8.43 | 11.55 |
| | 5230 | 52 | 37 | 8.42 | 8.67 | 11.56 |
| | | | 40 | 8.82 | 9.16 | 12.01 |
| | | | 44 | 8.47 | 8.66 | 11.57 |
| | 5270 | 52 | 37 | 8.68 | 8.64 | 11.67 |
| | | | 40 | 9.03 | 9.07 | 12.06 |
| | | | 44 | 8.74 | 8.59 | 11.67 |
| | 5310 | 52 | 37 | 8.58 | 8.71 | 11.65 |
| | | | 40 | 9.00 | 9.14 | 12.08 |
| | | | 44 | 8.60 | 8.47 | 11.54 |
| | 5510 | 52 | 37 | 8.76 | 8.55 | 11.67 |
| | | | 40 | 9.17 | 9.08 | 12.13 |
| | | | 44 | 8.88 | 8.66 | 11.78 |
| | 5590 | 52 | 37 | 8.85 | 8.67 | 11.77 |
| | | | 40 | 9.28 | 9.14 | 12.22 |
| | | | 44 | 8.82 | 8.69 | 11.77 |
| | 5710 | 52 | 37 | 9.30 | 8.66 | 12.00 |
| | | | 40 | 9.65 | 9.02 | 12.35 |
| | | | 44 | 9.28 | 8.43 | 11.89 |
| | 5755 | 52 | 37 | 8.97 | 8.78 | 11.89 |
| | | | 40 | 9.30 | 9.11 | 12.21 |
| | | | 44 | 8.92 | 8.44 | 11.70 |
| | 5795 | 52 | 37 | 9.39 | 8.63 | 12.04 |
| | | | 40 | 9.69 | 8.92 | 12.33 |
| | | | 44 | 9.21 | 8.41 | 11.84 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (SDM) |
| 802.11ax HE40 | 5190 | 106 | 53 | 8.72 | 8.62 | 11.68 |
| | | | 54 | 9.02 | 8.83 | 11.94 |
| | | | 56 | 8.69 | 8.69 | 11.70 |
| | 5230 | 106 | 53 | 8.58 | 9.00 | 11.81 |
| | | | 54 | 8.94 | 9.24 | 12.10 |
| | | | 56 | 8.51 | 9.05 | 11.80 |
| | 5270 | 106 | 53 | 8.83 | 8.92 | 11.89 |
| | | | 54 | 9.15 | 9.17 | 12.17 |
| | | | 56 | 8.80 | 8.94 | 11.88 |
| | 5310 | 106 | 53 | 8.67 | 9.10 | 11.90 |
| | | | 54 | 9.08 | 9.19 | 12.15 |
| | | | 56 | 8.75 | 8.95 | 11.86 |
| | 5510 | 106 | 53 | 8.87 | 8.95 | 11.92 |
| | | | 54 | 9.24 | 9.18 | 12.22 |
| | | | 56 | 8.97 | 8.99 | 11.99 |
| | 5590 | 106 | 53 | 9.00 | 9.05 | 12.04 |
| | | | 54 | 9.32 | 9.27 | 12.31 |
| | | | 56 | 9.00 | 9.02 | 12.02 |
| | 5710 | 106 | 53 | 9.42 | 9.00 | 12.23 |
| | | | 54 | 9.75 | 9.14 | 12.47 |
| | | | 56 | 9.34 | 8.74 | 12.06 |
| | 5755 | 106 | 53 | 9.15 | 9.02 | 12.10 |
| | | | 54 | 9.41 | 9.20 | 12.32 |
| | | | 56 | 9.01 | 8.65 | 11.85 |
| | 5795 | 106 | 53 | 9.53 | 8.89 | 12.23 |
| | | | 54 | 9.79 | 9.04 | 12.44 |
| | | | 56 | 9.34 | 8.53 | 11.96 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | **ANT 1** | **ANT 2** | **ANT1+ANT2 (SDM)** |
| 802.11ax HE40 | 5190 | 242 | 61 | 8.90 | 8.59 | 11.76 |
| | | | 62 | 8.83 | 8.65 | 11.75 |
| | 5230 | 242 | 61 | 8.78 | 8.99 | 11.89 |
| | | | 62 | 8.70 | 9.01 | 11.87 |
| | 5270 | 242 | 61 | 9.04 | 8.90 | 11.98 |
| | | | 62 | 8.99 | 9.03 | 12.02 |
| | 5310 | 242 | 61 | 8.87 | 8.99 | 11.94 |
| | | | 62 | 8.86 | 8.97 | 11.93 |
| | 5510 | 242 | 61 | 9.06 | 8.91 | 11.99 |
| | | | 62 | 9.12 | 8.97 | 12.05 |
| | 5590 | 242 | 61 | 9.17 | 9.02 | 12.10 |
| | | | 62 | 9.14 | 9.02 | 12.09 |
| | 5710 | 242 | 61 | 9.55 | 8.93 | 12.26 |
| | | | 62 | 9.54 | 8.78 | 12.19 |
| | 5755 | 242 | 61 | 9.29 | 9.00 | 12.16 |
| | | | 62 | 9.16 | 8.76 | 11.97 |
| | 5795 | 242 | 61 | 9.64 | 8.81 | 12.25 |
| | | | 62 | 9.40 | 8.66 | 12.06 |
| 802.11ax HE40 | 5190 | 484 | 65 | 8.90 | 8.70 | 11.81 |
| | 5230 | 484 | 65 | 8.71 | 9.08 | 11.91 |
| | 5270 | 484 | 65 | 8.97 | 9.02 | 12.01 |
| | 5310 | 484 | 65 | 8.91 | 9.03 | 11.98 |
| | 5510 | 484 | 65 | 9.12 | 9.00 | 12.07 |
| | 5590 | 484 | 65 | 9.20 | 9.09 | 12.15 |
| | 5710 | 484 | 65 | 9.55 | 8.94 | 12.27 |
| | 5755 | 484 | 65 | 9.25 | 8.94 | 12.11 |
| | 5795 | 484 | 65 | 9.58 | 8.76 | 12.20 |
| 802.11ax HE40 | 5190 | SU | NA | 10.39 | 10.33 | 13.37 |
| | 5230 | SU | NA | 13.84 | 13.84 | 16.85 |
| | 5270 | SU | NA | 13.80 | 13.87 | 16.85 |
| | 5310 | SU | NA | 10.31 | 10.33 | 13.33 |
| | 5510 | SU | NA | 10.66 | 10.08 | 13.39 |
| | 5590 | SU | NA | 14.18 | 13.88 | 17.04 |
| | 5710 | SU | NA | 14.31 | 13.72 | 17.04 |
| | 5755 | SU | NA | 14.38 | 13.64 | 17.04 |
| | 5795 | SU | NA | 14.26 | 13.51 | 16.91 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | **ANT 1** | **ANT 2** | **ANT1+ANT2 (SDM)** |
| 802.11ax HE80 | 5210 | 26 | 0 | 8.51 | 8.47 | 11.50 |
| | | | 18 | 8.65 | 9.10 | 11.89 |
| | | | 36 | 8.21 | 8.74 | 11.49 |
| | 5290 | 26 | 0 | 8.48 | 8.85 | 11.68 |
| | | | 18 | 8.56 | 9.42 | 12.02 |
| | | | 36 | 8.31 | 8.85 | 11.60 |
| | 5530 | 26 | 0 | 8.52 | 8.42 | 11.48 |
| | | | 18 | 8.92 | 9.04 | 11.99 |
| | | | 36 | 8.64 | 8.58 | 11.62 |
| | 5610 | 26 | 0 | 9.08 | 8.71 | 11.91 |
| | | | 18 | 9.32 | 9.24 | 12.29 |
| | | | 36 | 9.04 | 8.64 | 11.86 |
| | 5690 | 26 | 0 | 8.86 | 8.66 | 11.77 |
| | | | 18 | 9.10 | 9.02 | 12.07 |
| | | | 36 | 8.71 | 8.30 | 11.52 |
| | 5775 | 26 | 0 | 9.07 | 8.75 | 11.92 |
| | | | 18 | 9.08 | 8.89 | 12.00 |
| | | | 36 | 8.43 | 8.02 | 11.24 |
| 802.11ax HE80 | 5210 | 52 | 37 | 8.57 | 8.66 | 11.63 |
| | | | 44 | 8.93 | 8.89 | 11.92 |
| | | | 52 | 8.43 | 8.94 | 11.70 |
| | 5290 | 52 | 37 | 8.45 | 8.95 | 11.72 |
| | | | 44 | 8.81 | 9.25 | 12.04 |
| | | | 52 | 8.38 | 9.18 | 11.81 |
| | 5530 | 52 | 37 | 8.53 | 8.55 | 11.55 |
| | | | 44 | 9.11 | 8.79 | 11.97 |
| | | | 52 | 8.72 | 8.88 | 11.81 |
| | 5610 | 52 | 37 | 9.03 | 8.80 | 11.92 |
| | | | 44 | 9.52 | 8.99 | 12.27 |
| | | | 52 | 9.11 | 8.98 | 12.06 |
| | 5690 | 52 | 37 | 8.83 | 8.80 | 11.82 |
| | | | 44 | 9.33 | 8.76 | 12.06 |
| | | | 52 | 8.77 | 8.56 | 11.67 |
| | 5775 | 52 | 37 | 8.97 | 8.82 | 11.90 |
| | | | 44 | 9.36 | 8.72 | 12.06 |
| | | | 52 | 8.57 | 8.33 | 11.46 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (SDM) |
| 802.11ax HE80 | 5210 | 106 | 53 | 8.58 | 8.85 | 11.73 |
| | | | 56 | 9.04 | 9.06 | 12.06 |
| | | | 60 | 8.27 | 9.03 | 11.68 |
| | 5290 | 106 | 53 | 8.37 | 9.27 | 11.85 |
| | | | 56 | 8.81 | 9.40 | 12.12 |
| | | | 60 | 8.32 | 9.10 | 11.73 |
| | 5530 | 106 | 53 | 8.47 | 8.78 | 11.64 |
| | | | 56 | 9.09 | 9.00 | 12.06 |
| | | | 60 | 8.67 | 8.90 | 11.80 |
| | 5610 | 106 | 53 | 9.07 | 9.05 | 12.07 |
| | | | 56 | 9.52 | 9.15 | 12.35 |
| | | | 60 | 9.02 | 8.96 | 12.00 |
| | 5690 | 106 | 53 | 8.83 | 9.02 | 11.94 |
| | | | 56 | 9.34 | 9.00 | 12.18 |
| | | | 60 | 8.75 | 8.58 | 11.68 |
| | 5775 | 106 | 53 | 9.05 | 9.02 | 12.04 |
| | | | 56 | 9.32 | 8.85 | 12.10 |
| | | | 60 | 8.56 | 8.26 | 11.42 |
| 802.11ax HE80 | 5210 | 242 | 61 | 8.77 | 8.91 | 11.85 |
| | | | 62 | 8.94 | 9.02 | 11.99 |
| | | | 64 | 8.47 | 9.05 | 11.78 |
| | 5290 | 242 | 61 | 8.62 | 9.30 | 11.99 |
| | | | 62 | 8.79 | 9.40 | 12.12 |
| | | | 64 | 8.49 | 9.20 | 11.87 |
| | 5530 | 242 | 61 | 8.70 | 8.80 | 11.76 |
| | | | 62 | 9.03 | 8.97 | 12.01 |
| | | | 64 | 8.80 | 8.92 | 11.87 |
| | 5610 | 242 | 61 | 9.23 | 9.01 | 12.13 |
| | | | 62 | 9.50 | 9.08 | 12.31 |
| | | | 64 | 9.20 | 9.00 | 12.11 |
| | 5690 | 242 | 61 | 9.07 | 9.01 | 12.05 |
| | | | 62 | 9.37 | 8.96 | 12.18 |
| | | | 64 | 8.91 | 8.65 | 11.79 |
| | 5775 | 242 | 61 | 9.25 | 9.00 | 12.14 |
| | | | 62 | 9.37 | 8.93 | 12.17 |
| | | | 64 | 8.75 | 8.43 | 11.60 |

| Mode | Freq.[MHz] | Tone | RU Index | Test Result [dBm] | | |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (SDM) |
| 802.11ax HE80 | 5210 | 484 | 65 | 8.80 | 9.00 | 11.91 |
| | | | 66 | 8.73 | 9.00 | 11.88 |
| | 5290 | 484 | 65 | 8.69 | 9.34 | 12.04 |
| | | | 66 | 8.73 | 9.28 | 12.03 |
| | 5530 | 484 | 65 | 8.90 | 8.89 | 11.90 |
| | | | 66 | 9.04 | 8.90 | 11.98 |
| | 5610 | 484 | 65 | 9.43 | 9.09 | 12.28 |
| | | | 66 | 9.41 | 9.11 | 12.27 |
| | 5690 | 484 | 65 | 9.19 | 9.01 | 12.11 |
| | | | 66 | 9.18 | 8.73 | 11.97 |
| | 5775 | 484 | 65 | 9.32 | 8.95 | 12.15 |
| | | | 66 | 9.06 | 8.53 | 11.81 |
| 802.11ax HE80 | 5210 | 996 | 67 | 8.78 | 8.92 | 11.86 |
| | 5290 | 996 | 67 | 8.60 | 9.24 | 11.94 |
| | 5530 | 996 | 67 | 8.97 | 8.87 | 11.93 |
| | 5610 | 996 | 67 | 9.41 | 8.97 | 12.20 |
| | 5690 | 996 | 67 | 9.12 | 8.78 | 11.96 |
| | 5775 | 996 | 67 | 9.14 | 8.68 | 11.92 |
| 802.11ax HE80 | 5210 | SU | NA | 10.64 | 10.11 | 13.39 |
| | 5290 | SU | NA | 10.38 | 10.24 | 13.32 |
| | 5530 | SU | NA | 12.87 | 12.08 | 15.50 |
| | 5610 | SU | NA | 12.99 | 12.23 | 15.64 |
| | 5690 | SU | NA | 12.80 | 12.14 | 15.49 |
| | 5775 | SU | NA | 12.76 | 11.74 | 15.29 |

## 8.4 Maximum Power Spectral Density

▣ **Test requirements**

**Part. 15.407(a)**

**(1) For the band 5.15 - 5.25 GHz.**

(i) For an outdoor access point operating in the band 5.15 - 5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 MHz band. [note1]

(ii) For an indoor access point operating in the band 5.15 - 5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 MHz band. [note1]

(iii) For fixed point-to-point access points operating in the band 5.15 - 5.25 GHz, transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.

**(iv) For mobile and portable client devices in the 5.15 - 5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 MHz band. [note1]**

**(2) For the 5.25 - 5.35 GHz and 5.47 - 5.725 GHz bands, the peak power spectral density shall not exceed 11 dBm in any 1 MHz band. [note1]**

**(3) For the band 5.725 - 5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500 kHz band. [note1,note2]**

**Note1**: If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

**Note2**: Fixed point - to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

**- Peak Power Spectral Density Limit Calculation**

| Band | Limit [dBm] | Antenna Gain (Worst case) [dBi] | Determined Limit [dBm] |
|---|---|---|---|
| U-NII 1 | 11 | -1.30 | 11 |
| U-NII 2A | 11 | -1.30 | 11 |
| U-NII 2C | 11 | -0.33 | 11 |
| U-NII 3 | 30 | -0.13 | 30 |

▣ **Test Configuration**

Refer to the APPENDIX I.

◙ **Test Procedure**

Maximum Power Spectral Density is measured using Measurement Procedure **of KDB789033 D02v02r01**

1) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA - 1, SA - 2, **SA - 3, or alternatives** to each) and apply it up to, but not including, the step labeled, "Compute power…". (This procedure is required even if the maximum conducted output power measurement was performed using a power meter, method PM.)

**Method SA-3 Alternative (Reduced VBW with max hold):**
-Set span to encompass the entire emission bandwidth (EBW) of the signal.
-Set sweep trigger to "free run."
-Set RBW = 1 MHz.
-Set VBW ≥ 1/T $^{Note2}$
-Number of points in sweep ≥ 2 × span / RBW. (This ensures that bin-to-bin spacing is ≤ RBW/2, so that narrowband signals are not lost between frequency bins.)
-Sweep time = auto
-Detector = peak.
-Video filtering shall be applied to a voltage-squared or power signal (rms), if possible. Otherwise, it shall be set to operate on a linear voltage signal (which may require use of linear display mode). Log mode must not be used.
   **\***The preferred voltage-squared (i.e., power or rms) mode is selected on some analyzers by setting the "Average-VBW Type" to power or rms.
   **\***If power averaging (rms) mode is not available, linear voltage mode is selected on some analyzers by setting the display mode to linear. Other analyzers have a setting for "Average-VBW Type" that can be set to "Voltage" regardless of the display mode.
   -Trace mode = max hold.
   -Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

2) Use the peak search function on the instrument to find the peak of the spectrum and record its value.

3) Make the following adjustments to the peak value of the spectrum, if applicable:
   a) If Method SA - 2 or SA - 2 Alternative was used, add 10 log(1 / x), where x is the duty cycle, to the peak of the spectrum.
   b) If Method SA - 3 Alternative was used and the linear mode was used in step II.E.2.g (viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.

4) The result is the Maximum PSD over 1 MHz reference bandwidth.

5) For devices operating in the bands 5.15 - 5.25 GHz, 5.25 - 5.35 GHz, and 5.47 - 5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in §15.407(a)(5). For devices operating in the band 5.725 - 5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, "provided that the measured power is integrated over the full reference bandwidth" to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 kHz bandwidth, the following adjustments to the procedures apply:
   a) Set RBW ≥ 1 / T, where T is defined in section II.B.1.a). (Refer to Appendix II)
   b) Set VBW ≥ 3 RBW.
   c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10 log(500 kHz / RBW) to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
   d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add 10 log(1 MHz / RBW) to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
   e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

**Note1: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the sections 5.c) and 5.d) above, since RBW = 100 kHz is available on nearly all spectrum analyzers.**
**Note2: Refer to the Appendix I for actual setting the VBW.**

▣ Test Results: <span style="color:red">**Comply**</span>

**- Summed Power spectral density: CDD**

| Mode | Frequency [MHz] | Tone | RU Index | Test Result [dBm] | | Test Result [dBm] |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax (HE20) | 5180 | 26 | 0 | 5.18 | 6.63 | 8.97 |
| | | | 4 | 4.07 | 5.56 | 7.88 |
| | | | 8 | 5.01 | 6.65 | 8.92 |
| | 5200 | 26 | 0 | 5.67 | 5.82 | 8.75 |
| | | | 4 | 4.80 | 4.92 | 7.87 |
| | | | 8 | 5.81 | 6.01 | 8.92 |
| | 5240 | 26 | 0 | 5.38 | 6.29 | 8.87 |
| | | | 4 | 4.52 | 5.19 | 7.88 |
| | | | 8 | 5.62 | 6.44 | 9.06 |
| | 5260 | 26 | 0 | 5.56 | 6.30 | 8.96 |
| | | | 4 | 4.37 | 5.22 | 7.82 |
| | | | 8 | 5.31 | 6.31 | 8.85 |
| | 5300 | 26 | 0 | 5.32 | 6.31 | 8.85 |
| | | | 4 | 4.27 | 5.41 | 7.89 |
| | | | 8 | 5.20 | 6.58 | 8.96 |
| | 5320 | 26 | 0 | 5.20 | 6.05 | 8.66 |
| | | | 4 | 4.23 | 5.04 | 7.66 |
| | | | 8 | 5.44 | 6.13 | 8.81 |
| | 5500 | 26 | 0 | 6.18 | 6.48 | 9.34 |
| | | | 4 | 5.10 | 5.54 | 8.34 |
| | | | 8 | 6.16 | 6.54 | 9.36 |
| | 5600 | 26 | 0 | 6.02 | 6.84 | 9.46 |
| | | | 4 | 4.96 | 5.76 | 8.39 |
| | | | 8 | 5.92 | 6.78 | 9.38 |
| | 5720 | 26 | 0 | 6.24 | 6.18 | 9.22 |
| | | | 4 | 5.22 | 4.92 | 8.08 |
| | | | 8 | 6.08 | 5.73 | 8.92 |
| | 5745 | 26 | 0 | 4.26 | 4.08 | 7.18 |
| | | | 4 | 4.14 | 4.13 | 7.14 |
| | | | 8 | 4.03 | 3.98 | 7.02 |
| | 5785 | 26 | 0 | 3.66 | 4.23 | 6.97 |
| | | | 4 | 3.65 | 4.30 | 7.00 |
| | | | 8 | 3.55 | 4.37 | 6.99 |
| | 5825 | 26 | 0 | 3.49 | 4.75 | 7.18 |
| | | | 4 | 3.14 | 4.68 | 6.99 |
| | | | 8 | 2.79 | 4.53 | 6.76 |

| Mode | Frequency [MHz] | Tone | RU Index | Test Result [dBm] | | Test Result [dBm] |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax (HE20) | 5180 | 52 | 37 | 2.48 | 3.95 | 6.29 |
| | | | 38 | 2.46 | 4.00 | 6.31 |
| | | | 40 | 2.28 | 3.91 | 6.18 |
| | 5200 | 52 | 37 | 3.11 | 3.24 | 6.19 |
| | | | 38 | 3.22 | 3.28 | 6.26 |
| | | | 40 | 3.14 | 3.29 | 6.23 |
| | 5240 | 52 | 37 | 2.76 | 3.57 | 6.19 |
| | | | 38 | 2.91 | 3.61 | 6.29 |
| | | | 40 | 2.91 | 3.65 | 6.30 |
| | 5260 | 52 | 37 | 2.92 | 3.64 | 6.30 |
| | | | 38 | 2.85 | 3.69 | 6.30 |
| | | | 40 | 2.64 | 3.61 | 6.16 |
| | 5300 | 52 | 37 | 2.78 | 3.74 | 6.30 |
| | | | 38 | 2.68 | 3.82 | 6.30 |
| | | | 40 | 2.49 | 3.93 | 6.28 |
| | 5320 | 52 | 37 | 2.51 | 3.39 | 5.98 |
| | | | 38 | 2.58 | 3.44 | 6.04 |
| | | | 40 | 2.68 | 3.43 | 6.08 |
| | 5500 | 52 | 37 | 3.59 | 3.85 | 6.73 |
| | | | 38 | 3.64 | 4.02 | 6.85 |
| | | | 40 | 3.48 | 3.85 | 6.68 |
| | 5600 | 52 | 37 | 3.36 | 4.24 | 6.83 |
| | | | 38 | 3.40 | 4.21 | 6.84 |
| | | | 40 | 3.23 | 4.09 | 6.69 |
| | 5720 | 52 | 37 | 3.62 | 3.46 | 6.55 |
| | | | 38 | 3.62 | 3.42 | 6.53 |
| | | | 40 | 3.45 | 3.10 | 6.29 |
| | 5745 | 52 | 37 | 1.54 | 1.10 | 4.33 |
| | | | 38 | 1.37 | 1.32 | 4.36 |
| | | | 40 | 1.46 | 1.49 | 4.48 |
| | 5785 | 52 | 37 | 0.94 | 1.30 | 4.13 |
| | | | 38 | 0.83 | 1.68 | 4.29 |
| | | | 40 | 0.88 | 1.55 | 4.24 |
| | 5825 | 52 | 37 | 0.70 | 1.78 | 4.29 |
| | | | 38 | 0.66 | 2.03 | 4.41 |
| | | | 40 | 0.21 | 1.91 | 4.15 |

| Mode | Frequency [MHz] | Tone | RU Index | Test Result [dBm] | | Test Result [dBm] |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax (HE20) | 5180 | 106 | 53 | -0.43 | 1.04 | 3.38 |
| | | | 54 | -0.68 | 1.11 | 3.32 |
| | 5200 | 106 | 53 | 0.15 | 0.38 | 3.28 |
| | | | 54 | 0.19 | 0.36 | 3.29 |
| | 5240 | 106 | 53 | -0.06 | 0.63 | 3.31 |
| | | | 54 | -0.06 | 0.71 | 3.35 |
| | 5260 | 106 | 53 | -0.11 | 0.73 | 3.34 |
| | | | 54 | -0.17 | 0.65 | 3.27 |
| | 5300 | 106 | 53 | -0.28 | 0.94 | 3.38 |
| | | | 54 | -0.33 | 1.02 | 3.40 |
| | 5320 | 106 | 53 | -0.40 | 0.59 | 3.13 |
| | | | 54 | -0.26 | 0.58 | 3.19 |
| | 5500 | 106 | 53 | 0.58 | 1.03 | 3.82 |
| | | | 54 | 0.58 | 0.96 | 3.78 |
| | 5600 | 106 | 53 | 0.39 | 1.21 | 3.83 |
| | | | 54 | 0.39 | 1.15 | 3.80 |
| | 5720 | 106 | 53 | 0.73 | 0.47 | 3.61 |
| | | | 54 | 0.54 | 0.24 | 3.40 |
| | 5745 | 106 | 53 | -1.40 | -1.72 | 1.45 |
| | | | 54 | -1.64 | -1.31 | 1.54 |
| | 5785 | 106 | 53 | -2.00 | -1.37 | 1.34 |
| | | | 54 | -2.17 | -1.01 | 1.46 |
| | 5825 | 106 | 53 | -2.24 | -1.00 | 1.43 |
| | | | 54 | -2.79 | -1.08 | 1.16 |

| Mode | Frequency [MHz] | Tone | RU Index | Test Result [dBm] | | Test Result [dBm] |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax (HE20) | 5180 | 242 | 61 | -3.83 | -2.37 | -0.03 |
| | 5200 | 242 | 61 | -3.14 | -3.01 | -0.06 |
| | 5240 | 242 | 61 | -3.44 | -2.68 | -0.03 |
| | 5260 | 242 | 61 | -3.47 | -2.68 | -0.05 |
| | 5300 | 242 | 61 | -3.66 | -2.45 | 0.00 |
| | 5320 | 242 | 61 | -3.72 | -2.85 | -0.25 |
| | 5500 | 242 | 61 | -2.76 | -2.42 | 0.43 |
| | 5600 | 242 | 61 | -2.95 | -2.18 | 0.46 |
| | 5720 | 242 | 61 | -2.67 | -2.94 | 0.21 |
| | 5745 | 242 | 61 | -3.87 | -3.61 | -0.72 |
| | 5785 | 242 | 61 | -4.49 | -3.42 | -0.91 |
| | 5825 | 242 | 61 | -4.85 | -3.18 | -0.93 |
| 802.11ax (HE20) | 5180 | SU | NA | 3.31 | 3.70 | 6.52 |
| | 5200 | SU | NA | 3.39 | 4.00 | 6.71 |
| | 5240 | SU | NA | 3.01 | 3.81 | 6.44 |
| | 5260 | SU | NA | 2.94 | 3.76 | 6.38 |
| | 5300 | SU | NA | 2.71 | 3.49 | 6.13 |
| | 5320 | SU | NA | 2.82 | 3.50 | 6.19 |
| | 5500 | SU | NA | 3.34 | 3.45 | 6.40 |
| | 5600 | SU | NA | 3.49 | 4.07 | 6.80 |
| | 5720 | SU | NA | 3.70 | 3.08 | 6.41 |
| | 5745 | SU | NA | 2.70 | 2.72 | 5.72 |
| | 5785 | SU | NA | 2.60 | 2.58 | 5.60 |
| | 5825 | SU | NA | 2.04 | 3.02 | 5.57 |

| Mode | Frequency [MHz] | Tone | RU Index | Test Result [dBm] | | Test Result [dBm] |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax (HE40) | 5190 | 26 | 0 | 5.91 | 5.91 | 8.92 |
| | | | 8 | 6.19 | 6.33 | 9.27 |
| | | | 17 | 5.78 | 6.11 | 8.96 |
| | 5230 | 26 | 0 | 5.81 | 6.24 | 9.04 |
| | | | 8 | 5.95 | 6.53 | 9.26 |
| | | | 17 | 5.56 | 6.24 | 8.92 |
| | 5270 | 26 | 0 | 5.66 | 6.21 | 8.95 |
| | | | 8 | 5.76 | 6.67 | 9.25 |
| | | | 17 | 5.16 | 6.10 | 8.67 |
| | 5310 | 26 | 0 | 5.45 | 5.92 | 8.70 |
| | | | 8 | 5.78 | 6.60 | 9.22 |
| | | | 17 | 5.44 | 6.12 | 8.80 |
| | 5510 | 26 | 0 | 5.98 | 6.37 | 9.19 |
| | | | 8 | 6.27 | 6.78 | 9.54 |
| | | | 17 | 5.69 | 6.55 | 9.15 |
| | 5590 | 26 | 0 | 6.09 | 6.48 | 9.30 |
| | | | 8 | 6.52 | 7.11 | 9.83 |
| | | | 17 | 6.05 | 6.54 | 9.31 |
| | 5710 | 26 | 0 | 6.51 | 6.16 | 9.35 |
| | | | 8 | 6.92 | 6.51 | 9.73 |
| | | | 17 | 6.12 | 5.54 | 8.85 |
| | 5755 | 26 | 0 | 3.82 | 4.06 | 6.95 |
| | | | 8 | 4.14 | 4.46 | 7.31 |
| | | | 17 | 3.33 | 3.82 | 6.59 |
| | 5795 | 26 | 0 | 4.38 | 4.13 | 7.27 |
| | | | 8 | 4.61 | 4.75 | 7.69 |
| | | | 17 | 3.87 | 4.11 | 7.00 |

| Mode | Frequency [MHz] | Tone | RU Index | Test Result [dBm] | | Test Result [dBm] |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax (HE40) | 5190 | 52 | 37 | 3.22 | 3.21 | 6.23 |
| | | | 40 | 3.34 | 3.66 | 6.51 |
| | | | 44 | 3.18 | 3.44 | 6.32 |
| | 5230 | 52 | 37 | 3.22 | 3.58 | 6.41 |
| | | | 40 | 3.32 | 3.86 | 6.61 |
| | | | 44 | 2.90 | 3.56 | 6.25 |
| | 5270 | 52 | 37 | 3.02 | 3.56 | 6.31 |
| | | | 40 | 3.10 | 3.85 | 6.50 |
| | | | 44 | 2.54 | 3.51 | 6.06 |
| | 5310 | 52 | 37 | 2.82 | 3.20 | 6.03 |
| | | | 40 | 3.09 | 3.96 | 6.56 |
| | | | 44 | 2.78 | 3.47 | 6.15 |
| | 5510 | 52 | 37 | 3.27 | 3.81 | 6.55 |
| | | | 40 | 3.55 | 4.07 | 6.83 |
| | | | 44 | 2.97 | 3.76 | 6.39 |
| | 5590 | 52 | 37 | 3.35 | 3.87 | 6.63 |
| | | | 40 | 3.81 | 4.27 | 7.06 |
| | | | 44 | 3.32 | 3.82 | 6.59 |
| | 5710 | 52 | 37 | 3.84 | 3.56 | 6.71 |
| | | | 40 | 4.09 | 3.72 | 6.92 |
| | | | 44 | 3.55 | 2.84 | 6.22 |
| | 5755 | 52 | 37 | 1.32 | 1.38 | 4.36 |
| | | | 40 | 1.27 | 1.68 | 4.49 |
| | | | 44 | 0.87 | 1.21 | 4.06 |
| | 5795 | 52 | 37 | 1.59 | 1.49 | 4.55 |
| | | | 40 | 1.73 | 1.86 | 4.80 |
| | | | 44 | 1.32 | 1.39 | 4.37 |

| Mode | Frequency [MHz] | Tone | RU Index | Test Result [dBm] | | Test Result [dBm] |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax (HE40) | 5190 | 106 | 53 | 0.37 | 0.52 | 3.45 |
| | | | 54 | 0.36 | 0.62 | 3.50 |
| | | | 56 | 0.31 | 0.60 | 3.46 |
| | 5230 | 106 | 53 | 0.31 | 0.83 | 3.58 |
| | | | 54 | 0.39 | 0.86 | 3.64 |
| | | | 56 | 0.09 | 0.69 | 3.41 |
| | 5270 | 106 | 53 | 0.26 | 0.84 | 3.57 |
| | | | 54 | 0.21 | 0.96 | 3.61 |
| | | | 56 | -0.21 | 0.67 | 3.26 |
| | 5310 | 106 | 53 | 0.07 | 0.58 | 3.34 |
| | | | 54 | 0.08 | 0.91 | 3.52 |
| | | | 56 | 0.00 | 0.78 | 3.42 |
| | 5510 | 106 | 53 | 0.55 | 1.00 | 3.79 |
| | | | 54 | 0.60 | 1.12 | 3.88 |
| | | | 56 | 0.26 | 0.95 | 3.62 |
| | 5590 | 106 | 53 | 0.59 | 1.22 | 3.93 |
| | | | 54 | 0.79 | 1.35 | 4.09 |
| | | | 56 | 0.63 | 1.08 | 3.87 |
| | 5710 | 106 | 53 | 1.09 | 0.85 | 3.98 |
| | | | 54 | 1.22 | 0.83 | 4.04 |
| | | | 56 | 0.95 | 0.18 | 3.59 |
| | 5755 | 106 | 53 | -1.66 | -1.40 | 1.49 |
| | | | 54 | -1.56 | -1.29 | 1.59 |
| | | | 56 | -1.74 | -1.71 | 1.28 |
| | 5795 | 106 | 53 | -1.16 | -1.20 | 1.83 |
| | | | 54 | -1.13 | -1.14 | 1.88 |
| | | | 56 | -1.37 | -1.32 | 1.66 |
| 802.11ax (HE40) | 5190 | 242 | 61 | -3.17 | -2.97 | -0.06 |
| | | | 62 | -3.18 | -3.00 | -0.08 |
| | 5230 | 242 | 61 | -3.22 | -2.69 | 0.06 |
| | | | 62 | -3.36 | -2.85 | -0.09 |
| | 5270 | 242 | 61 | -3.36 | -2.65 | 0.02 |
| | | | 62 | -3.67 | -2.79 | -0.20 |
| | 5310 | 242 | 61 | -3.52 | -2.78 | -0.12 |
| | | | 62 | -3.53 | -2.73 | -0.10 |
| | 5510 | 242 | 61 | -3.03 | -2.44 | 0.29 |
| | | | 62 | -3.20 | -2.56 | 0.14 |
| | 5590 | 242 | 61 | -2.84 | -2.25 | 0.48 |
| | | | 62 | -2.84 | -2.33 | 0.43 |
| | 5710 | 242 | 61 | -2.42 | -2.73 | 0.44 |
| | | | 62 | -2.59 | -3.04 | 0.20 |
| | 5755 | 242 | 61 | -5.14 | -4.76 | -1.93 |
| | | | 62 | -4.99 | -4.94 | -1.95 |
| | 5795 | 242 | 61 | -4.72 | -4.75 | -1.72 |
| | | | 62 | -4.91 | -4.51 | -1.69 |

| Mode | Frequency [MHz] | Tone | RU Index | Test Result [dBm] | | Test Result [dBm] |
|------|-----------------|------|----------|-------|-------|-------------------|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax (HE40) | 5190 | 484 | 65 | -6.00 | -5.95 | -2.96 |
| | 5230 | 484 | 65 | -6.14 | -5.58 | -2.84 |
| | 5270 | 484 | 65 | -6.29 | -5.61 | -2.93 |
| | 5310 | 484 | 65 | -6.44 | -5.68 | -3.03 |
| | 5510 | 484 | 65 | -6.01 | -5.43 | -2.70 |
| | 5590 | 484 | 65 | -5.74 | -5.20 | -2.45 |
| | 5710 | 484 | 65 | -5.32 | -5.65 | -2.47 |
| | 5755 | 484 | 65 | -7.25 | -6.81 | -4.01 |
| | 5795 | 484 | 65 | -6.72 | -6.58 | -3.64 |
| 802.11ax (HE40) | 5190 | SU | NA | -3.88 | -3.28 | -0.56 |
| | 5230 | SU | NA | -0.81 | 0.12 | 2.69 |
| | 5270 | SU | NA | -0.76 | 0.13 | 2.72 |
| | 5310 | SU | NA | -4.35 | -3.40 | -0.84 |
| | 5510 | SU | NA | -3.73 | -3.50 | -0.61 |
| | 5590 | SU | NA | -0.18 | 0.68 | 3.28 |
| | 5710 | SU | NA | 0.04 | 0.07 | 3.07 |
| | 5755 | SU | NA | -1.51 | -1.19 | 1.67 |
| | 5795 | SU | NA | -1.52 | -0.85 | 1.84 |

| Mode | Frequency [MHz] | Tone | RU Index | Test Result [dBm] | | Test Result [dBm] |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax (HE80) | 5210 | 26 | 0 | 6.26 | 6.19 | 9.23 |
| | | | 18 | 5.06 | 5.55 | 8.32 |
| | | | 36 | 5.83 | 6.46 | 9.17 |
| | 5290 | 26 | 0 | 6.14 | 6.61 | 9.39 |
| | | | 18 | 4.39 | 5.53 | 8.01 |
| | | | 36 | 5.46 | 6.81 | 9.20 |
| | 5530 | 26 | 0 | 6.03 | 6.27 | 9.16 |
| | | | 18 | 4.64 | 5.57 | 8.14 |
| | | | 36 | 5.83 | 6.65 | 9.27 |
| | 5610 | 26 | 0 | 6.45 | 6.82 | 9.65 |
| | | | 18 | 5.35 | 5.91 | 8.65 |
| | | | 36 | 6.40 | 6.64 | 9.53 |
| | 5690 | 26 | 0 | 6.71 | 6.68 | 9.70 |
| | | | 18 | 5.29 | 5.41 | 8.36 |
| | | | 36 | 5.80 | 5.64 | 8.73 |
| | 5775 | 26 | 0 | 4.20 | 4.21 | 7.21 |
| | | | 18 | 4.16 | 4.09 | 7.13 |
| | | | 36 | 3.38 | 3.89 | 6.65 |
| 802.11ax (HE80) | 5210 | 52 | 37 | 3.48 | 3.48 | 6.49 |
| | | | 44 | 3.42 | 3.76 | 6.60 |
| | | | 52 | 3.10 | 3.83 | 6.49 |
| | 5290 | 52 | 37 | 3.31 | 3.81 | 6.58 |
| | | | 44 | 2.71 | 3.84 | 6.32 |
| | | | 52 | 2.72 | 4.29 | 6.59 |
| | 5530 | 52 | 37 | 3.38 | 3.57 | 6.49 |
| | | | 44 | 2.98 | 3.69 | 6.36 |
| | | | 52 | 3.00 | 3.98 | 6.53 |
| | 5610 | 52 | 37 | 3.78 | 4.03 | 6.92 |
| | | | 44 | 3.74 | 4.19 | 6.98 |
| | | | 52 | 3.71 | 4.05 | 6.89 |
| | 5690 | 52 | 37 | 4.04 | 3.90 | 6.98 |
| | | | 44 | 3.75 | 3.71 | 6.74 |
| | | | 52 | 3.26 | 3.26 | 6.27 |
| | 5775 | 52 | 37 | 1.78 | 1.61 | 4.71 |
| | | | 44 | 1.51 | 1.28 | 4.41 |
| | | | 52 | 0.67 | 1.37 | 4.04 |

| Mode | Frequency [MHz] | Tone | RU Index | Test Result [dBm] | | Test Result [dBm] |
|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax (HE80) | 5210 | 106 | 53 | 0.73 | 0.65 | 3.70 |
| | | | 56 | 0.54 | 0.85 | 3.71 |
| | | | 60 | 0.16 | 0.74 | 3.47 |
| | 5290 | 106 | 53 | 0.45 | 0.99 | 3.74 |
| | | | 56 | -0.09 | 0.95 | 3.47 |
| | | | 60 | -0.18 | 1.18 | 3.56 |
| | 5530 | 106 | 53 | 0.54 | 0.80 | 3.68 |
| | | | 56 | 0.10 | 0.82 | 3.48 |
| | | | 60 | 0.07 | 1.03 | 3.58 |
| | 5610 | 106 | 53 | 1.00 | 1.18 | 4.10 |
| | | | 56 | 0.88 | 1.23 | 4.07 |
| | | | 60 | 0.72 | 0.99 | 3.86 |
| | 5690 | 106 | 53 | 1.16 | 1.01 | 4.09 |
| | | | 56 | 0.87 | 0.86 | 3.87 |
| | | | 60 | 0.20 | 0.05 | 3.13 |
| | 5775 | 106 | 53 | -1.35 | -1.50 | 1.59 |
| | | | 56 | -1.45 | -1.43 | 1.57 |
| | | | 60 | -2.34 | -1.74 | 0.98 |
| 802.11ax (HE80) | 5210 | 242 | 61 | -2.92 | -2.85 | 0.13 |
| | | | 62 | -3.04 | -2.74 | 0.12 |
| | | | 64 | -3.40 | -2.76 | -0.06 |
| | 5290 | 242 | 61 | -3.02 | -2.50 | 0.26 |
| | | | 62 | -3.39 | -2.56 | 0.05 |
| | | | 64 | -3.81 | -2.20 | 0.08 |
| | 5530 | 242 | 61 | -2.98 | -2.81 | 0.11 |
| | | | 62 | -3.06 | -2.82 | 0.07 |
| | | | 64 | -3.47 | -2.48 | 0.07 |
| | 5610 | 242 | 61 | -2.44 | -2.25 | 0.67 |
| | | | 62 | -2.52 | -2.29 | 0.61 |
| | | | 64 | -2.83 | -2.30 | 0.45 |
| | 5690 | 242 | 61 | -2.33 | -2.55 | 0.57 |
| | | | 62 | -2.43 | -2.72 | 0.44 |
| | | | 64 | -3.15 | -3.14 | -0.14 |
| | 5775 | 242 | 61 | -4.71 | -4.81 | -1.75 |
| | | | 62 | -4.84 | -4.85 | -1.83 |
| | | | 64 | -5.59 | -5.10 | -2.33 |

| Mode | Frequency [MHz] | Tone | RU Index | Test Result [dBm] | | Test Result [dBm] |
| --- | --- | --- | --- | --- | --- | --- |
| | | | | ANT 1 | ANT 2 | ANT1+ANT2 (CDD) |
| 802.11ax (HE80) | 5210 | 484 | 65 | -5.89 | -5.72 | -2.79 |
| | | | 66 | -6.20 | -5.59 | -2.87 |
| | 5290 | 484 | 65 | -6.08 | -5.47 | -2.75 |
| | | | 66 | -6.83 | -5.09 | -2.86 |
| | 5530 | 484 | 65 | -5.97 | -5.75 | -2.85 |
| | | | 66 | -6.44 | -5.35 | -2.85 |
| | 5610 | 484 | 65 | -5.41 | -5.18 | -2.28 |
| | | | 66 | -5.68 | -5.18 | -2.41 |
| | 5690 | 484 | 65 | -5.31 | -5.48 | -2.38 |
| | | | 66 | -5.84 | -5.80 | -2.81 |
| | 5775 | 484 | 65 | -7.52 | -7.75 | -4.63 |
| | | | 66 | -8.34 | -7.87 | -5.09 |
| 802.11ax (HE80) | 5210 | 996 | 67 | -9.09 | -8.77 | -5.91 |
| | 5290 | 996 | 67 | -9.32 | -8.37 | -5.81 |
| | 5530 | 996 | 67 | -9.16 | -8.55 | -5.84 |
| | 5610 | 996 | 67 | -8.61 | -8.41 | -5.50 |
| | 5690 | 996 | 67 | -8.48 | -8.70 | -5.58 |
| | 5775 | 996 | 67 | -9.95 | -9.69 | -6.81 |
| 802.11ax (HE80) | 5210 | SU | NA | -6.78 | -6.38 | -3.56 |
| | 5290 | SU | NA | -7.53 | -6.52 | -3.99 |
| | 5530 | SU | NA | -4.98 | -4.21 | -1.57 |
| | 5610 | SU | NA | -4.70 | -4.01 | -1.33 |
| | 5690 | SU | NA | -4.61 | -4.39 | -1.49 |
| | 5775 | SU | NA | -5.63 | -5.37 | -2.48 |

**- Summed Power spectral density: SDM**

| Mode | Frequency [MHz] | Tone | RU Index | Reading [dBm] | | T.F [dB] | Test Result [dBm] |
| | | | | ANT 1 | ANT 2 | Note 1 | ANT1+ANT2+T.F (SDM) |
|---|---|---|---|---|---|---|---|
| 802.11ax (HE20) | 5180 | 26 | 0 | 5.56 | 6.82 | NA | 9.24 |
| | | | 4 | 4.33 | 6.00 | | 8.26 |
| | | | 8 | 5.51 | 6.85 | | 9.24 |
| | 5200 | 26 | 0 | 6.03 | 6.07 | | 9.06 |
| | | | 4 | 5.01 | 5.33 | | 8.18 |
| | | | 8 | 6.25 | 6.28 | | 9.28 |
| | 5240 | 26 | 0 | 5.79 | 6.32 | | 9.07 |
| | | | 4 | 4.75 | 5.74 | | 8.28 |
| | | | 8 | 6.02 | 6.65 | | 9.36 |
| | 5260 | 26 | 0 | 5.86 | 6.48 | | 9.19 |
| | | | 4 | 4.71 | 5.78 | | 8.28 |
| | | | 8 | 5.83 | 6.60 | | 9.24 |
| | 5300 | 26 | 0 | 5.60 | 6.67 | | 9.18 |
| | | | 4 | 4.48 | 6.02 | | 8.33 |
| | | | 8 | 5.67 | 6.99 | | 9.39 |
| | 5320 | 26 | 0 | 5.39 | 6.35 | | 8.90 |
| | | | 4 | 4.41 | 5.77 | | 8.15 |
| | | | 8 | 5.79 | 6.44 | | 9.14 |
| | 5500 | 26 | 0 | 6.50 | 6.86 | | 9.69 |
| | | | 4 | 5.44 | 6.10 | | 8.79 |
| | | | 8 | 6.76 | 7.00 | | 9.89 |
| | 5600 | 26 | 0 | 6.28 | 7.20 | | 9.78 |
| | | | 4 | 5.19 | 6.39 | | 8.84 |
| | | | 8 | 6.45 | 7.16 | | 9.83 |
| | 5720 | 26 | 0 | 6.52 | 6.51 | | 9.53 |
| | | | 4 | 5.28 | 5.56 | | 8.43 |
| | | | 8 | 6.66 | 6.08 | | 9.39 |
| | 5745 | 26 | 0 | -2.08 | -1.60 | 6.99 | 8.17 |
| | | | 4 | -2.14 | -1.85 | | 8.01 |
| | | | 8 | -1.90 | -1.66 | | 8.22 |
| | 5785 | 26 | 0 | -2.36 | -1.35 | | 8.17 |
| | | | 4 | -2.71 | -1.61 | | 7.87 |
| | | | 8 | -2.38 | -1.70 | | 7.97 |
| | 5825 | 26 | 0 | -2.58 | -0.97 | | 8.30 |
| | | | 4 | -3.22 | -1.33 | | 7.82 |
| | | | 8 | -3.25 | -1.55 | | 7.68 |

Note 1: "U-NII 3 [T.F] = 10*LOG(500kHz/100kHz) " = 6.99dB
Note 2: Test Result = Measurement Data + T.F

| Mode | Frequency [MHz] | Tone | RU Index | Reading [dBm] | | T.F [dB] Note 1 | Test Result [dBm] |
|---|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | | ANT1+ANT2+T.F (SDM) |
| 802.11ax (HE20) | 5180 | 52 | 37 | 3.20 | 4.12 | NA | 6.69 |
| | | | 38 | 3.14 | 4.41 | | 6.83 |
| | | | 40 | 2.99 | 4.05 | | 6.56 |
| | 5200 | 52 | 37 | 3.67 | 3.37 | | 6.53 |
| | | | 38 | 3.83 | 3.71 | | 6.78 |
| | | | 40 | 3.78 | 3.38 | | 6.60 |
| | 5240 | 52 | 37 | 3.41 | 3.77 | | 6.60 |
| | | | 38 | 3.44 | 4.04 | | 6.76 |
| | | | 40 | 3.43 | 3.91 | | 6.69 |
| | 5260 | 52 | 37 | 3.55 | 4.02 | | 6.80 |
| | | | 38 | 3.57 | 4.16 | | 6.89 |
| | | | 40 | 3.40 | 3.80 | | 6.61 |
| | 5300 | 52 | 37 | 3.28 | 4.19 | | 6.77 |
| | | | 38 | 3.29 | 4.30 | | 6.84 |
| | | | 40 | 3.24 | 4.19 | | 6.75 |
| | 5320 | 52 | 37 | 2.99 | 3.85 | | 6.45 |
| | | | 38 | 3.26 | 4.10 | | 6.71 |
| | | | 40 | 3.37 | 3.66 | | 6.53 |
| | 5500 | 52 | 37 | 4.13 | 4.29 | | 7.22 |
| | | | 38 | 4.20 | 4.54 | | 7.38 |
| | | | 40 | 4.18 | 4.18 | | 7.19 |
| | 5600 | 52 | 37 | 3.98 | 4.53 | | 7.28 |
| | | | 38 | 4.12 | 4.74 | | 7.45 |
| | | | 40 | 4.04 | 4.39 | | 7.22 |
| | 5720 | 52 | 37 | 4.13 | 3.72 | | 6.94 |
| | | | 38 | 4.15 | 3.90 | | 7.03 |
| | | | 40 | 4.13 | 3.30 | | 6.74 |
| | 5745 | 52 | 37 | -4.53 | -4.48 | 6.99 | 5.50 |
| | | | 38 | -4.14 | -3.67 | | 6.10 |
| | | | 40 | -4.73 | -4.66 | | 5.31 |
| | 5785 | 52 | 37 | -5.14 | -4.42 | | 5.24 |
| | | | 38 | -4.58 | -3.56 | | 5.96 |
| | | | 40 | -5.20 | -4.46 | | 5.19 |
| | 5825 | 52 | 37 | -5.19 | -3.85 | | 5.53 |
| | | | 38 | -4.98 | -3.24 | | 5.98 |
| | | | 40 | -5.77 | -4.24 | | 5.06 |

Note 1: "U-NII 3 [T.F] = 10*LOG(500kHz/100kHz) " = 6.99dB
Note 2: Test Result = Measurement Data + T.F

| Mode | Frequency [MHz] | Tone | RU Index | Reading [dBm] | | T.F [dB] | Test Result [dBm] |
|------|------|------|------|------|------|------|------|
| | | | | ANT 1 | ANT 2 | Note 1 | ANT1+ANT2+T.F (SDM) |
| 802.11ax (HE20) | 5180 | 106 | 53 | 0.05 | 1.43 | NA | 3.81 |
| | | | 54 | -0.23 | 1.32 | | 3.62 |
| | 5200 | 106 | 53 | 0.68 | 0.74 | | 3.72 |
| | | | 54 | 0.55 | 0.64 | | 3.60 |
| | 5240 | 106 | 53 | 0.33 | 1.13 | | 3.75 |
| | | | 54 | 0.34 | 1.12 | | 3.76 |
| | 5260 | 106 | 53 | 0.43 | 1.28 | | 3.88 |
| | | | 54 | 0.19 | 1.11 | | 3.68 |
| | 5300 | 106 | 53 | 0.33 | 1.41 | | 3.92 |
| | | | 54 | -0.02 | 1.39 | | 3.75 |
| | 5320 | 106 | 53 | -0.02 | 1.17 | | 3.63 |
| | | | 54 | 0.22 | 1.04 | | 3.66 |
| | 5500 | 106 | 53 | 1.04 | 1.62 | | 4.35 |
| | | | 54 | 1.04 | 1.48 | | 4.28 |
| | 5600 | 106 | 53 | 0.91 | 1.78 | | 4.38 |
| | | | 54 | 0.82 | 1.68 | | 4.28 |
| | 5720 | 106 | 53 | 0.99 | 1.08 | | 4.04 |
| | | | 54 | 0.93 | 0.63 | | 3.79 |
| | 5745 | 106 | 53 | -7.61 | -6.62 | 6.99 | 2.91 |
| | | | 54 | -7.51 | -7.02 | | 2.74 |
| | 5785 | 106 | 53 | -8.25 | -6.49 | | 2.72 |
| | | | 54 | -8.05 | -6.70 | | 2.68 |
| | 5825 | 106 | 53 | -8.27 | -6.30 | | 2.82 |
| | | | 54 | -8.53 | -6.67 | | 2.50 |

Note 1: "U-NII 3 [T.F] = 10*LOG(500kHz/100kHz) " = 6.99dB
Note 2: Test Result = Measurement Data + T.F

| Mode | Frequency [MHz] | Tone | RU Index | Reading [dBm] | | T.F [dB] Note 1 | Test Result [dBm] |
|---|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | | ANT1+ANT2+T.F (SDM) |
| 802.11ax (HE20) | 5180 | 242 | 61 | -3.50 | -2.09 | NA | 0.27 |
| | 5200 | 242 | 61 | -2.81 | -2.71 | | 0.25 |
| | 5240 | 242 | 61 | -3.03 | -2.30 | | 0.36 |
| | 5260 | 242 | 61 | -3.08 | -2.27 | | 0.35 |
| | 5300 | 242 | 61 | -3.34 | -1.93 | | 0.43 |
| | 5320 | 242 | 61 | -3.14 | -2.30 | | 0.31 |
| | 5500 | 242 | 61 | -2.32 | -1.83 | | 0.94 |
| | 5600 | 242 | 61 | -2.59 | -1.61 | | 0.94 |
| | 5720 | 242 | 61 | -2.41 | -2.46 | | 0.58 |
| | 5745 | 242 | 61 | -10.08 | -9.68 | 6.99 | 0.13 |
| | 5785 | 242 | 61 | -10.50 | -9.53 | | 0.01 |
| | 5825 | 242 | 61 | -10.94 | -9.21 | | 0.01 |
| 802.11ax (HE20) | 5180 | SU | NA | 3.46 | 3.85 | NA | 6.67 |
| | 5200 | SU | NA | 3.66 | 4.08 | | 6.89 |
| | 5240 | SU | NA | 3.24 | 3.91 | | 6.60 |
| | 5260 | SU | NA | 3.36 | 4.05 | | 6.73 |
| | 5300 | SU | NA | 2.95 | 3.79 | | 6.40 |
| | 5320 | SU | NA | 3.06 | 3.97 | | 6.55 |
| | 5500 | SU | NA | 3.70 | 3.71 | | 6.71 |
| | 5600 | SU | NA | 3.83 | 4.27 | | 7.06 |
| | 5720 | SU | NA | 3.92 | 3.24 | | 6.60 |
| | 5745 | SU | NA | -4.07 | -4.00 | 6.99 | 5.97 |
| | 5785 | SU | NA | -4.51 | -3.53 | | 6.01 |
| | 5825 | SU | NA | -4.87 | -3.52 | | 5.86 |

Note 1: "U-NII 3 [T.F] = 10*LOG(500kHz/100kHz) " = 6.99dB
Note 2: Test Result = Measurement Data + T.F

| Mode | Frequency [MHz] | Tone | RU Index | Reading [dBm] | | T.F [dB] | Test Result [dBm] |
| | | | | ANT 1 | ANT 2 | Note 1 | ANT1+ANT2+T.F (SDM) |
|---|---|---|---|---|---|---|---|
| 802.11ax (HE40) | 5190 | 26 | 0 | 6.48 | 6.11 | NA | 9.31 |
| | | | 8 | 6.56 | 6.62 | | 9.60 |
| | | | 17 | 6.29 | 6.17 | | 9.24 |
| | 5230 | 26 | 0 | 6.38 | 6.38 | | 9.39 |
| | | | 8 | 6.29 | 7.00 | | 9.67 |
| | | | 17 | 6.06 | 6.36 | | 9.22 |
| | 5270 | 26 | 0 | 6.23 | 6.49 | | 9.37 |
| | | | 8 | 6.25 | 7.04 | | 9.67 |
| | | | 17 | 5.70 | 6.29 | | 9.02 |
| | 5310 | 26 | 0 | 5.82 | 6.18 | | 9.02 |
| | | | 8 | 6.11 | 7.12 | | 9.66 |
| | | | 17 | 5.86 | 6.46 | | 9.18 |
| | 5510 | 26 | 0 | 6.42 | 6.60 | | 9.52 |
| | | | 8 | 6.70 | 7.30 | | 10.02 |
| | | | 17 | 6.33 | 6.79 | | 9.58 |
| | 5590 | 26 | 0 | 6.41 | 6.82 | | 9.63 |
| | | | 8 | 6.83 | 7.54 | | 10.21 |
| | | | 17 | 6.52 | 6.80 | | 9.67 |
| | 5710 | 26 | 0 | 7.08 | 6.41 | | 9.77 |
| | | | 8 | 7.12 | 6.95 | | 10.04 |
| | | | 17 | 6.76 | 5.77 | | 9.30 |
| | 5755 | 26 | 0 | -1.48 | -1.52 | 6.99 | 8.50 |
| | | | 8 | -1.94 | -0.99 | | 8.56 |
| | | | 17 | -1.53 | -1.39 | | 8.54 |
| | 5795 | 26 | 0 | -0.93 | -1.41 | | 8.84 |
| | | | 8 | -1.58 | -1.13 | | 8.65 |
| | | | 17 | -1.03 | -1.37 | | 8.80 |

Note 1: "U-NII 3 [T.F] = 10*LOG(500kHz/100kHz) " = 6.99dB
Note 2: Test Result = Measurement Data + T.F

| Mode | Frequency [MHz] | Tone | RU Index | Reading [dBm] | | T.F [dB] Note 1 | Test Result [dBm] |
|---|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | | ANT1+ANT2+T.F (SDM) |
| 802.11ax (HE40) | 5190 | 52 | 37 | 3.64 | 3.70 | NA | 6.68 |
| | | | 40 | 3.99 | 3.75 | | 6.88 |
| | | | 44 | 3.81 | 3.75 | | 6.79 |
| | 5230 | 52 | 37 | 3.77 | 4.21 | | 7.01 |
| | | | 40 | 3.95 | 4.15 | | 7.06 |
| | | | 44 | 3.61 | 3.93 | | 6.78 |
| | 5270 | 52 | 37 | 3.42 | 4.18 | | 6.83 |
| | | | 40 | 3.76 | 4.28 | | 7.04 |
| | | | 44 | 3.24 | 3.84 | | 6.56 |
| | 5310 | 52 | 37 | 3.19 | 3.81 | | 6.52 |
| | | | 40 | 3.65 | 4.25 | | 6.97 |
| | | | 44 | 3.50 | 4.06 | | 6.80 |
| | 5510 | 52 | 37 | 3.70 | 4.34 | | 7.04 |
| | | | 40 | 4.19 | 4.46 | | 7.34 |
| | | | 44 | 3.72 | 4.43 | | 7.10 |
| | 5590 | 52 | 37 | 3.88 | 4.47 | | 7.20 |
| | | | 40 | 4.37 | 4.86 | | 7.63 |
| | | | 44 | 4.04 | 4.39 | | 7.23 |
| | 5710 | 52 | 37 | 4.23 | 4.06 | | 7.15 |
| | | | 40 | 4.77 | 4.04 | | 7.43 |
| | | | 44 | 4.13 | 3.44 | | 6.81 |
| | 5755 | 52 | 37 | -3.80 | -3.95 | 6.99 | 6.12 |
| | | | 40 | -4.33 | -3.47 | | 6.12 |
| | | | 44 | -4.57 | -4.65 | | 5.39 |
| | 5795 | 52 | 37 | -3.34 | -4.22 | | 6.24 |
| | | | 40 | -4.12 | -3.83 | | 6.03 |
| | | | 44 | -4.29 | -4.46 | | 5.63 |

Note 1: "U-NII 3 [T.F] = 10*LOG(500kHz/100kHz) " = 6.99dB
Note 2: Test Result = Measurement Data + T.F

| Mode | Frequency [MHz] | Tone | RU Index | Reading [dBm] | | T.F [dB] Note 1 | Test Result [dBm] |
| | | | | ANT 1 | ANT 2 | | ANT1+ANT2+T.F (SDM) |
|---|---|---|---|---|---|---|---|
| 802.11ax (HE40) | 5190 | 106 | 53 | 0.77 | 0.90 | NA | 3.85 |
| | | | 54 | 0.87 | 0.94 | | 3.92 |
| | | | 56 | 0.59 | 1.17 | | 3.90 |
| | 5230 | 106 | 53 | 0.91 | 1.39 | | 4.16 |
| | | | 54 | 0.78 | 1.32 | | 4.07 |
| | | | 56 | 0.41 | 1.31 | | 3.90 |
| | 5270 | 106 | 53 | 0.62 | 1.37 | | 4.02 |
| | | | 54 | 0.62 | 1.38 | | 4.02 |
| | | | 56 | 0.21 | 1.23 | | 3.76 |
| | 5310 | 106 | 53 | 0.38 | 1.18 | | 3.81 |
| | | | 54 | 0.60 | 1.33 | | 3.99 |
| | | | 56 | 0.35 | 1.43 | | 3.93 |
| | 5510 | 106 | 53 | 0.84 | 1.64 | | 4.27 |
| | | | 54 | 1.05 | 1.61 | | 4.35 |
| | | | 56 | 0.69 | 1.68 | | 4.22 |
| | 5590 | 106 | 53 | 1.02 | 1.74 | | 4.41 |
| | | | 54 | 1.21 | 1.84 | | 4.55 |
| | | | 56 | 1.02 | 1.79 | | 4.43 |
| | 5710 | 106 | 53 | 1.35 | 1.35 | | 4.36 |
| | | | 54 | 1.53 | 1.32 | | 4.43 |
| | | | 56 | 1.10 | 0.92 | | 4.02 |
| | 5755 | 106 | 53 | -7.52 | -6.30 | 6.99 | 3.14 |
| | | | 54 | -7.09 | -6.43 | | 3.26 |
| | | | 56 | -7.39 | -6.99 | | 2.81 |
| | 5795 | 106 | 53 | -7.12 | -6.77 | | 3.06 |
| | | | 54 | -6.55 | -6.70 | | 3.38 |
| | | | 56 | -7.09 | -6.67 | | 3.12 |

Note 1: "U-NII 3 [T.F] = 10*LOG(500kHz/100kHz) " = 6.99dB
Note 2: Test Result = Measurement Data + T.F

| Mode | Frequency [MHz] | Tone | RU Index | Reading [dBm] | | T.F [dB] | Test Result [dBm] |
|---|---|---|---|---|---|---|---|
| | | | | ANT 1 | ANT 2 | Note 1 | ANT1+ANT2+T.F (SDM) |
| 802.11ax (HE40) | 5190 | 242 | 61 | -2.73 | -2.66 | NA | 0.32 |
| | | | 62 | -2.66 | -2.66 | | 0.35 |
| | 5230 | 242 | 61 | -2.71 | -2.20 | | 0.56 |
| | | | 62 | -2.87 | -2.43 | | 0.37 |
| | 5270 | 242 | 61 | -3.01 | -2.31 | | 0.37 |
| | | | 62 | -3.10 | -2.40 | | 0.27 |
| | 5310 | 242 | 61 | -3.11 | -2.34 | | 0.30 |
| | | | 62 | -3.00 | -2.16 | | 0.45 |
| | 5510 | 242 | 61 | -2.54 | -1.97 | | 0.77 |
| | | | 62 | -2.54 | -2.06 | | 0.72 |
| | 5590 | 242 | 61 | -2.42 | -1.80 | | 0.91 |
| | | | 62 | -2.30 | -1.75 | | 1.00 |
| | 5710 | 242 | 61 | -2.01 | -2.31 | | 0.85 |
| | | | 62 | -1.97 | -2.59 | | 0.74 |
| | 5755 | 242 | 61 | -10.76 | -9.91 | 6.99 | -0.31 |
| | | | 62 | -11.04 | -10.28 | | -0.64 |
| | 5795 | 242 | 61 | -10.81 | -10.08 | | -0.43 |
| | | | 62 | -10.66 | -10.39 | | -0.52 |
| 802.11ax (HE40) | 5190 | 484 | 65 | -5.58 | -5.47 | NA | -2.51 |
| | 5230 | 484 | 65 | -5.70 | -4.94 | | -2.29 |
| | 5270 | 484 | 65 | -5.84 | -4.96 | | -2.37 |
| | 5310 | 484 | 65 | -5.85 | -5.16 | | -2.48 |
| | 5510 | 484 | 65 | -5.43 | -4.80 | | -2.09 |
| | 5590 | 484 | 65 | -5.15 | -4.63 | | -1.87 |
| | 5710 | 484 | 65 | -4.92 | -5.12 | | -2.01 |
| | 5755 | 484 | 65 | -13.37 | -12.33 | 6.99 | -2.82 |
| | 5795 | 484 | 65 | -12.96 | -12.62 | | -2.78 |
| 802.11ax (HE40) | 5190 | SU | NA | -3.64 | -3.28 | NA | -0.45 |
| | 5230 | SU | NA | -0.58 | 0.26 | | 2.87 |
| | 5270 | SU | NA | -0.65 | 0.27 | | 2.84 |
| | 5310 | SU | NA | -4.19 | -3.20 | | -0.66 |
| | 5510 | SU | NA | -3.53 | -3.31 | | -0.41 |
| | 5590 | SU | NA | 0.08 | 0.93 | | 3.53 |
| | 5710 | SU | NA | 0.23 | 0.19 | | 3.22 |
| | 5755 | SU | NA | -7.87 | -7.12 | 6.99 | 2.52 |
| | 5795 | SU | NA | -8.13 | -6.93 | | 2.51 |

Note 1: "U-NII 3 [T.F] = 10*LOG(500kHz/100kHz) " = 6.99dB
Note 2: Test Result = Measurement Data + T.F

| Mode | Frequency [MHz] | Tone | RU Index | Reading [dBm] | | T.F [dB] | Test Result [dBm] |
| | | | | ANT 1 | ANT 2 | Note 1 | ANT1+ANT2+T.F (SDM) |
|---|---|---|---|---|---|---|---|
| 802.11ax (HE80) | 5210 | 26 | 0 | 6.51 | 6.29 | NA | 9.41 |
| | | | 18 | 5.28 | 5.94 | | 8.64 |
| | | | 36 | 6.05 | 6.48 | | 9.28 |
| | 5290 | 26 | 0 | 6.19 | 6.94 | | 9.59 |
| | | | 18 | 4.66 | 6.15 | | 8.48 |
| | | | 36 | 5.84 | 6.91 | | 9.42 |
| | 5530 | 26 | 0 | 6.04 | 6.51 | | 9.29 |
| | | | 18 | 4.73 | 6.07 | | 8.46 |
| | | | 36 | 6.06 | 6.78 | | 9.45 |
| | 5610 | 26 | 0 | 6.60 | 6.97 | | 9.80 |
| | | | 18 | 5.53 | 6.40 | | 9.00 |
| | | | 36 | 6.70 | 6.75 | | 9.73 |
| | 5690 | 26 | 0 | 6.63 | 6.72 | | 9.69 |
| | | | 18 | 5.61 | 5.95 | | 8.79 |
| | | | 36 | 6.12 | 5.75 | | 8.95 |
| | 5775 | 26 | 0 | -1.20 | -1.07 | 6.99 | 8.87 |
| | | | 18 | -2.39 | -2.02 | | 7.80 |
| | | | 36 | -1.44 | -1.35 | | 8.60 |
| 802.11ax (HE80) | 5210 | 52 | 37 | 3.78 | 4.00 | NA | 6.90 |
| | | | 44 | 3.99 | 4.31 | | 7.16 |
| | | | 52 | 3.61 | 3.94 | | 6.79 |
| | 5290 | 52 | 37 | 3.48 | 4.36 | | 6.95 |
| | | | 44 | 3.49 | 4.40 | | 6.98 |
| | | | 52 | 3.32 | 4.37 | | 6.89 |
| | 5530 | 52 | 37 | 3.37 | 4.05 | | 6.73 |
| | | | 44 | 3.48 | 4.39 | | 6.97 |
| | | | 52 | 3.64 | 4.26 | | 6.97 |
| | 5610 | 52 | 37 | 3.90 | 4.50 | | 7.22 |
| | | | 44 | 4.28 | 4.79 | | 7.55 |
| | | | 52 | 4.33 | 4.31 | | 7.33 |
| | 5690 | 52 | 37 | 4.01 | 4.26 | | 7.14 |
| | | | 44 | 4.13 | 4.29 | | 7.22 |
| | | | 52 | 3.81 | 3.34 | | 6.59 |
| | 5775 | 52 | 37 | -3.85 | -3.90 | 6.99 | 6.13 |
| | | | 44 | -3.79 | -4.04 | | 6.09 |
| | | | 52 | -4.29 | -3.89 | | 5.92 |

Note 1: "U-NII 3 [T.F] = 10*LOG(500kHz/100kHz) " = 6.99dB
Note 2: Test Result = Measurement Data + T.F

| Mode | Frequency [MHz] | Tone | RU Index | Reading [dBm] | | T.F [dB] | Test Result [dBm] |
| | | | | ANT 1 | ANT 2 | Note 1 | ANT1+ANT2+T.F (SDM) |
|---|---|---|---|---|---|---|---|
| 802.11ax (HE80) | 5210 | 106 | 53 | 0.64 | 1.15 | NA | 3.91 |
| | | | 56 | 0.90 | 1.26 | | 4.09 |
| | | | 60 | 0.26 | 1.13 | | 3.73 |
| | 5290 | 106 | 53 | 0.37 | 1.58 | | 4.03 |
| | | | 56 | 0.40 | 1.40 | | 3.94 |
| | | | 60 | -0.01 | 1.58 | | 3.87 |
| | 5530 | 106 | 53 | 0.37 | 1.27 | | 3.86 |
| | | | 56 | 0.43 | 1.22 | | 3.85 |
| | | | 60 | 0.29 | 1.42 | | 3.90 |
| | 5610 | 106 | 53 | 0.82 | 1.64 | | 4.26 |
| | | | 56 | 1.21 | 1.76 | | 4.51 |
| | | | 60 | 1.05 | 1.48 | | 4.28 |
| | 5690 | 106 | 53 | 1.07 | 1.51 | | 4.30 |
| | | | 56 | 1.15 | 1.24 | | 4.21 |
| | | | 60 | 0.52 | 0.61 | | 3.58 |
| | 5775 | 106 | 53 | -7.88 | -6.96 | 6.99 | 2.61 |
| | | | 56 | -7.76 | -7.27 | | 2.49 |
| | | | 60 | -8.12 | -7.35 | | 2.29 |
| 802.11ax (HE80) | 5210 | 242 | 61 | -2.75 | -2.51 | NA | 0.39 |
| | | | 62 | -2.61 | -2.35 | | 0.53 |
| | | | 64 | -3.03 | -2.58 | | 0.21 |
| | 5290 | 242 | 61 | -2.99 | -2.05 | | 0.52 |
| | | | 62 | -3.05 | -2.20 | | 0.41 |
| | | | 64 | -3.40 | -1.95 | | 0.40 |
| | 5530 | 242 | 61 | -2.98 | -2.53 | | 0.26 |
| | | | 62 | -2.94 | -2.26 | | 0.42 |
| | | | 64 | -2.98 | -2.18 | | 0.45 |
| | 5610 | 242 | 61 | -2.47 | -1.90 | | 0.84 |
| | | | 62 | -2.25 | -1.95 | | 0.91 |
| | | | 64 | -2.40 | -2.08 | | 0.77 |
| | 5690 | 242 | 61 | -2.34 | -2.21 | | 0.74 |
| | | | 62 | -2.25 | -2.45 | | 0.66 |
| | | | 64 | -2.64 | -2.79 | | 0.29 |
| | 5775 | 242 | 61 | -10.73 | -10.00 | 6.99 | -0.35 |
| | | | 62 | -10.60 | -10.78 | | -0.69 |
| | | | 64 | -11.01 | -10.57 | | -0.79 |

Note 1: "U-NII 3 [T.F] = 10*LOG(500kHz/100kHz) " = 6.99dB
Note 2: Test Result = Measurement Data + T.F

| Mode | Frequency [MHz] | Tone | RU Index | Reading [dBm] | | T.F [dB] Note 1 | Test Result [dBm] |
| --- | --- | --- | --- | --- | --- | --- | --- |
| | | | | ANT 1 | ANT 2 | | ANT1+ANT2+T.F (SDM) |
| 802.11ax (HE80) | 5210 | 484 | 65 | -5.38 | -5.23 | NA | -2.29 |
| | | | 66 | -5.63 | -5.27 | | -2.44 |
| | 5290 | 484 | 65 | -5.82 | -4.91 | | -2.33 |
| | | | 66 | -6.10 | -4.97 | | -2.48 |
| | 5530 | 484 | 65 | -5.75 | -5.16 | | -2.44 |
| | | | 66 | -5.69 | -5.06 | | -2.36 |
| | 5610 | 484 | 65 | -5.21 | -4.76 | | -1.97 |
| | | | 66 | -5.01 | -4.85 | | -1.92 |
| | 5690 | 484 | 65 | -5.10 | -5.08 | | -2.07 |
| | | | 66 | -5.22 | -5.41 | | -2.30 |
| | 5775 | 484 | 65 | -13.86 | -13.03 | 6.99 | -3.43 |
| | | | 66 | -13.61 | -13.43 | | -3.52 |
| 802.11ax (HE80) | 5210 | 996 | 67 | -8.72 | -8.54 | NA | -5.62 |
| | 5290 | 996 | 67 | -9.19 | -8.04 | | -5.57 |
| | 5530 | 996 | 67 | -9.03 | -8.18 | | -5.58 |
| | 5610 | 996 | 67 | -8.29 | -8.03 | | -5.15 |
| | 5690 | 996 | 67 | -8.46 | -8.36 | | -5.40 |
| | 5775 | 996 | 67 | -16.29 | -15.48 | 6.99 | -5.86 |
| 802.11ax (HE80) | 5210 | SU | NA | -6.65 | -6.34 | NA | -3.48 |
| | 5290 | SU | NA | -7.41 | -6.43 | | -3.88 |
| | 5530 | SU | NA | -4.86 | -4.09 | | -1.44 |
| | 5610 | SU | NA | -4.42 | -3.89 | | -1.14 |
| | 5690 | SU | NA | -4.58 | -4.35 | | -1.45 |
| | 5775 | SU | NA | -12.80 | -12.10 | 6.99 | -2.44 |

Note 1: "U-NII 3 [T.F] = 10*LOG(500kHz/100kHz) " = 6.99dB
Note 2: Test Result = Measurement Data + T.F

### ▣ RESULT PLOTS

### -This test item reported the plot of the Worst case of each RU.

- Power spectral density: CDD-Antenna 1

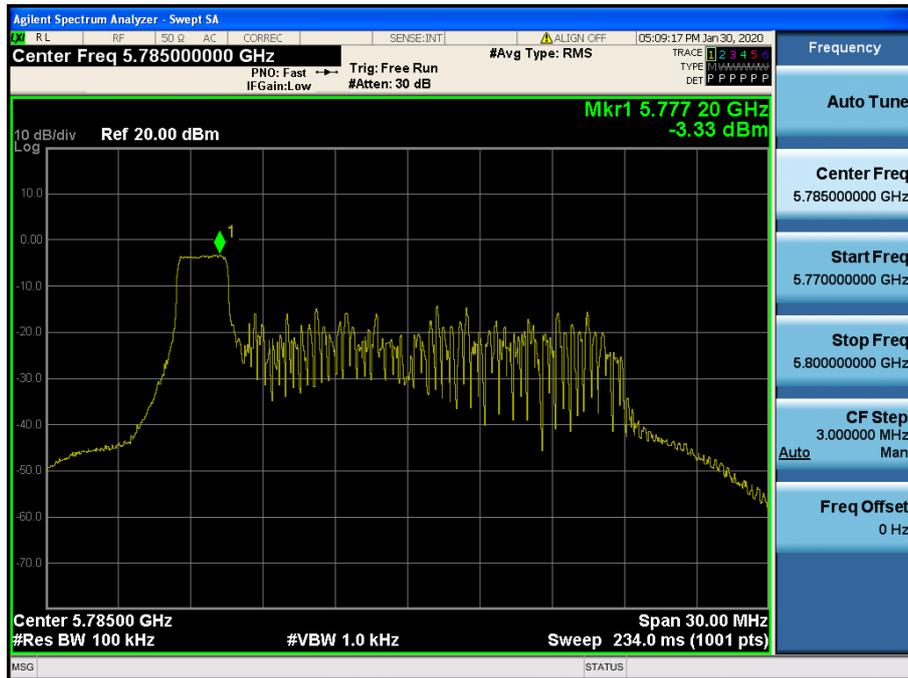**Maximum Power Spectral Density**          Test Mode: 802.11ax HE20   &   ANT 1   &   T26   &   0RU   &   Ch.36
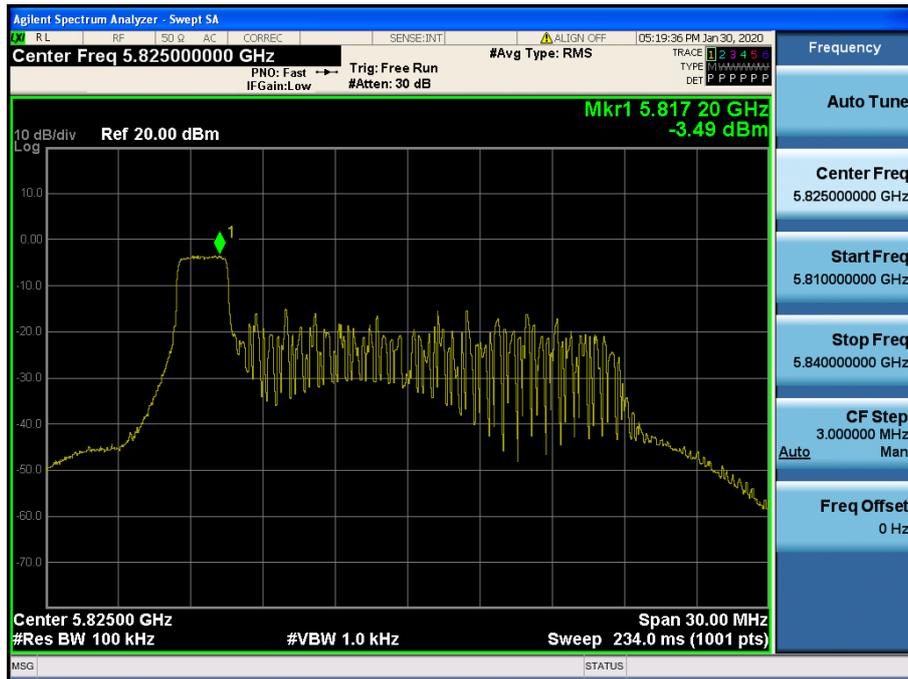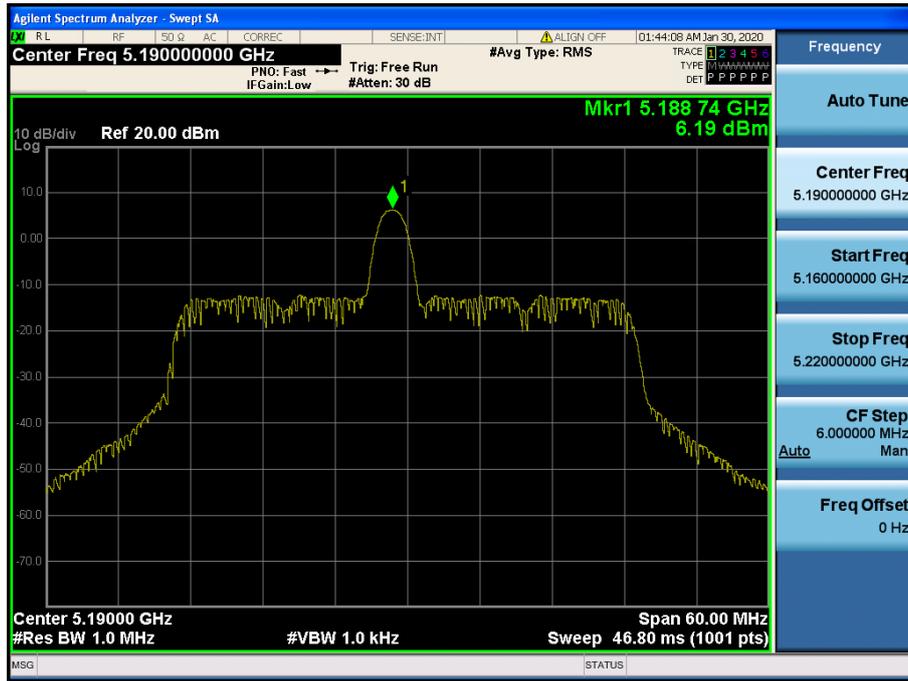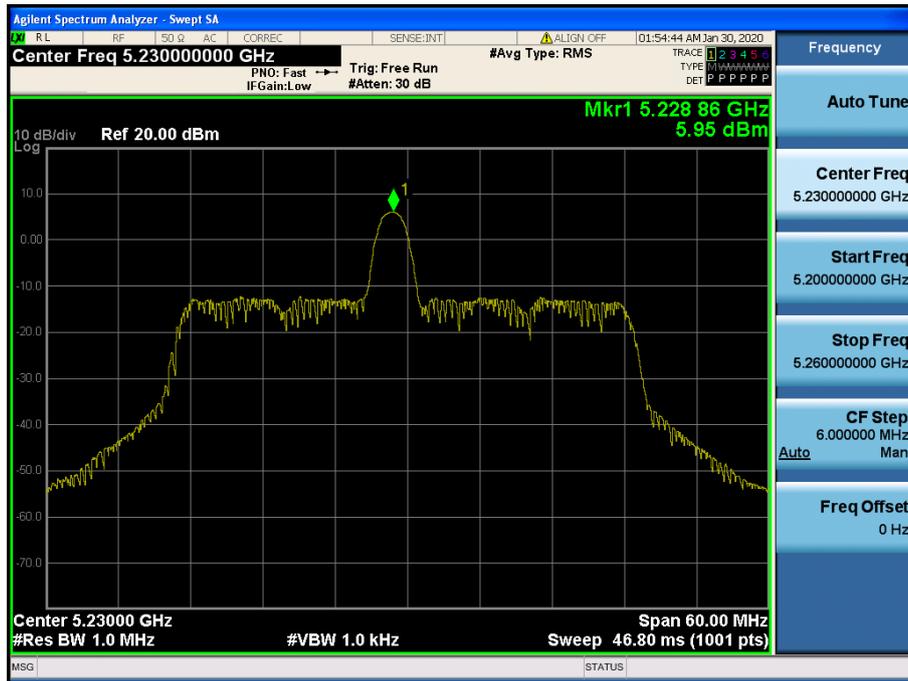


**Maximum Power Spectral Density**          Test Mode: 802.11ax HE20   &   ANT 1   &   T26   &   8RU   &   Ch.40
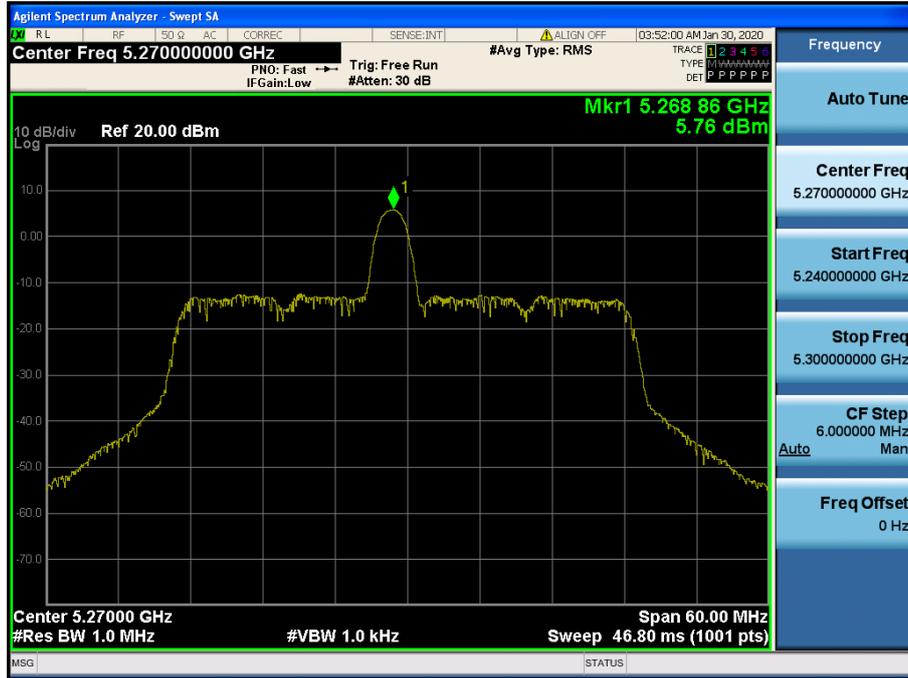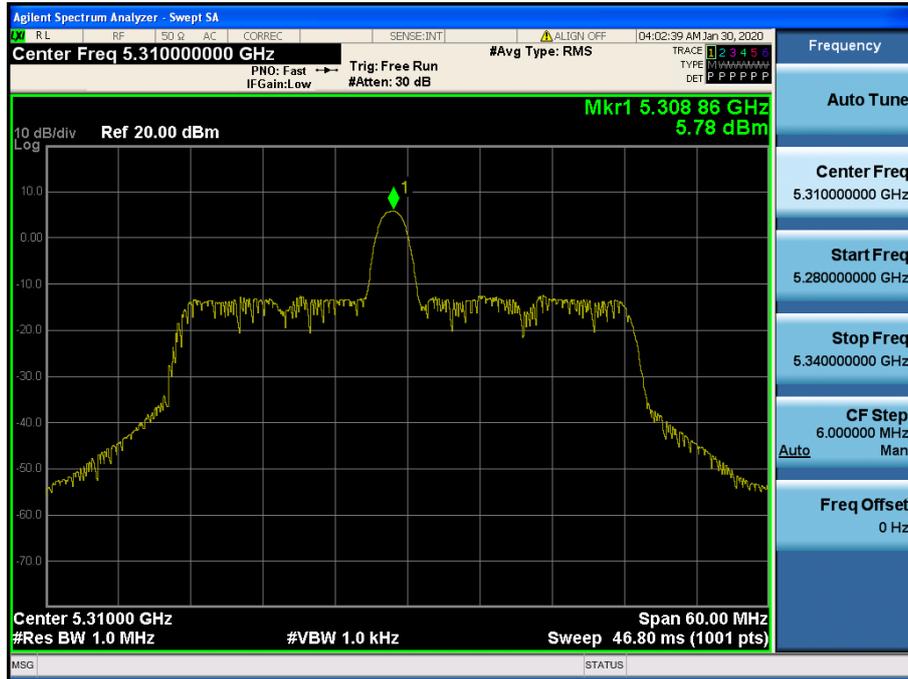
## Maximum Power Spectral Density　　　Test Mode: 802.11ax HE20　&　ANT 1　&　T26　&　8RU　&　Ch.48

**Maximum Power Spectral Density**     Test Mode: 802.11ax HE20   &   ANT 1   &   T26   &   0RU   &   Ch.52



**Maximum Power Spectral Density**     Test Mode: 802.11ax HE20   &   ANT 1   &   T26   &   0RU   &   Ch.60
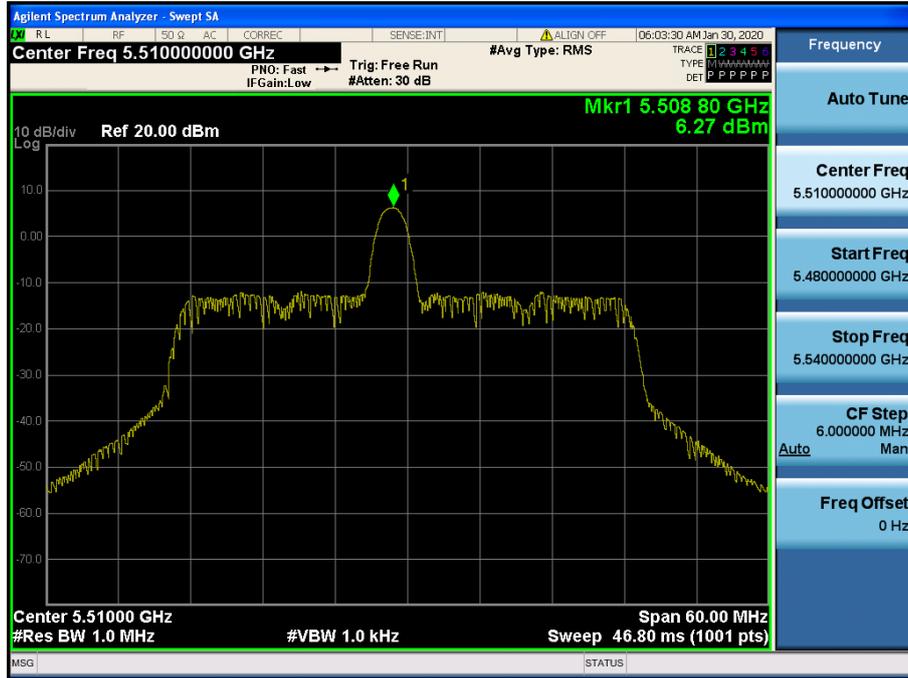
## Maximum Power Spectral Density     Test Mode: 802.11ax HE20   &   ANT 1   &   T26   &   8RU   &   Ch.64

## Maximum Power Spectral Density  Test Mode: 802.11ax HE20 & ANT 1 & T26 & 0RU & Ch.100



## Maximum Power Spectral Density  Test Mode: 802.11ax HE20 & ANT 1 & T26 & 0RU & Ch.120

## Maximum Power Spectral Density

Test Mode: 802.11ax HE20  &  ANT 1  &  T26  &  0RU  &  Ch.144

**Maximum Power Spectral Density**     Test Mode: 802.11ax HE20  &  ANT 1  &  T26  &  0RU  &  Ch.149
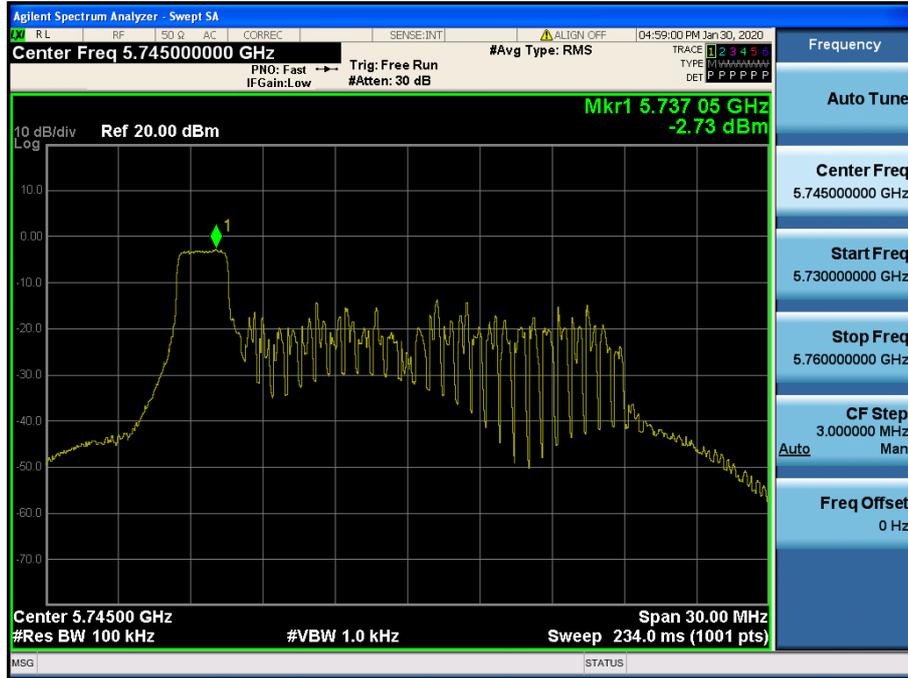


**Maximum Power Spectral Density**     Test Mode: 802.11ax HE20  &  ANT 1  &  T26  &  0RU  &  Ch.157

**Maximum Power Spectral Density**     Test Mode: 802.11ax HE20  &  ANT 1  &  T26  &  0RU  &  Ch.165

**Maximum Power Spectral Density**     Test Mode: 802.11ax HE40   &   ANT 1   &   T26   &   8RU   &   Ch.38
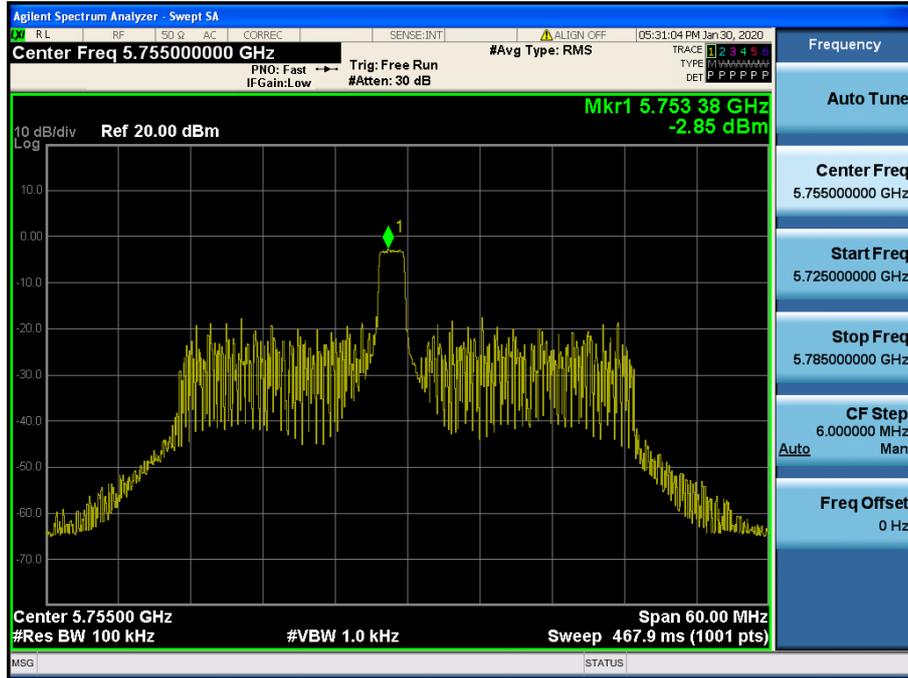


**Maximum Power Spectral Density**     Test Mode: 802.11ax HE40   &   ANT 1   &   T26   &   8RU   &   Ch.46

**Maximum Power Spectral Density**      Test Mode: 802.11ax HE40 & ANT 1 & T26 & 8RU & Ch.54



**Maximum Power Spectral Density**      Test Mode: 802.11ax HE40 & ANT 1 & T26 & 8RU & Ch.62

## Maximum Power Spectral Density　　　Test Mode: 802.11ax HE40　&　ANT 1　&　T26　&　8RU　&　Ch.102



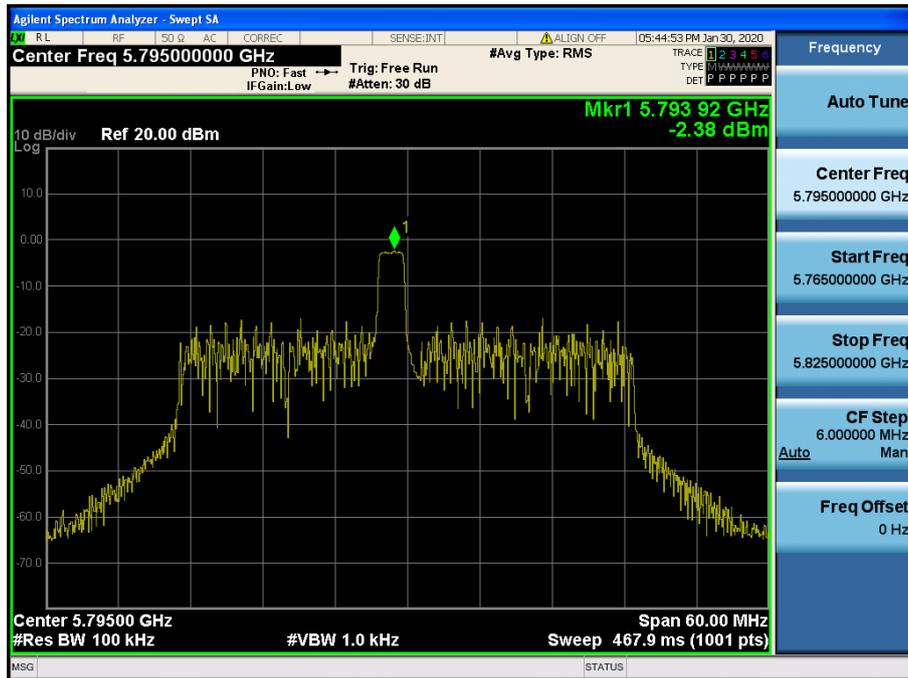## Maximum Power Spectral Density　　　Test Mode: 802.11ax HE40　&　ANT 1　&　T26　&　8RU　&　Ch.118

## Maximum Power Spectral Density          Test Mode: 802.11ax HE40  &  ANT 1  &  T26  &  8RU  &  Ch.142

**Maximum Power Spectral Density**　　　　Test Mode: 802.11ax HE40　&　ANT 1　&　T26　&　8RU　&　Ch.151
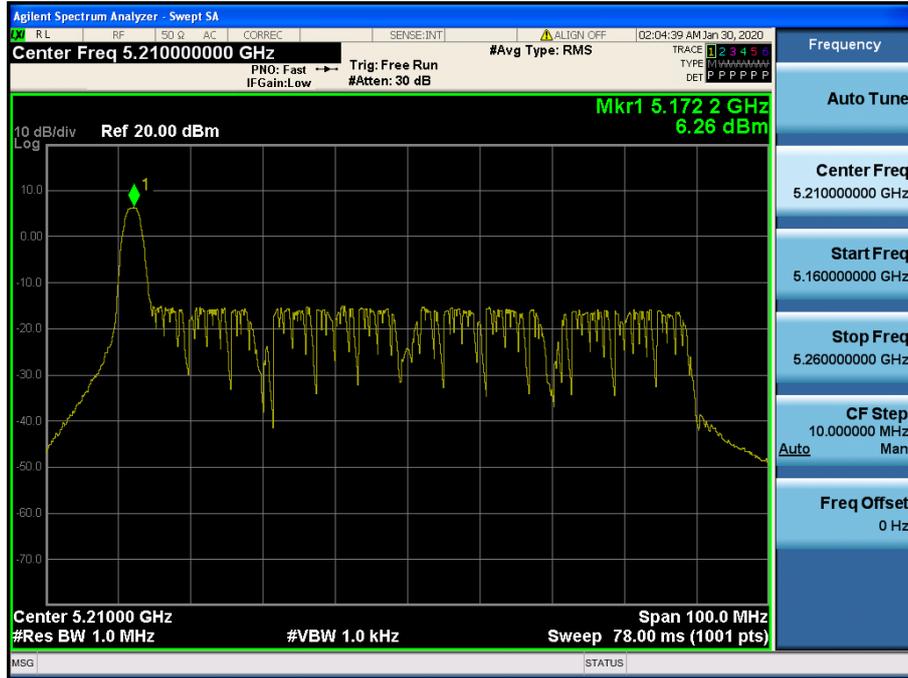


**Maximum Power Spectral Density**　　　　Test Mode: 802.11ax HE40　&　ANT 1　&　T26　&　8RU　&　Ch.159

## Maximum Power Spectral Density     Test Mode: 802.11ax HE80  &  ANT 1  &  T26  &  0RU  &  Ch.42



## Maximum Power Spectral Density     Test Mode: 802.11ax HE80  &  ANT 1  &  T26  &  0RU  &  Ch.58