



FCC C2PC Test Report

FCC Part15 Subpart E

Product Name : Wireless Access Point
Model No. : AP410C
FCC ID : QXO-AP410C

Applicant : Extreme Networks, Inc
Address : 6480 Via Del Oro, San Jose, CA 95119

Date of Receipt : Sep. 20, 2019
Test Date : Sep. 20, 2019 ~ Apr. 27, 2020
Issued Date : Apr. 27, 2020
Report No. : 1992128R-RF-US-P09V02
Report Version : V1.0

The test results presented in this report relate only to the object tested.

The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result, unless the specification, standard or customer have special requirements

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Test Report Certification

Issued Date : Apr. 27, 2020
Report No. : 1992128R-RF-US-P09V02



Product Name : Wireless Access Point
 Applicant : Extreme Networks, Inc
 Address : 6480 Via Del Oro, San Jose, CA 95119
 Manufacturer : Extreme Networks, Inc
 Address : 6480 Via Del Oro, San Jose, CA 95119
 Model No. : AP410C
 Brand : Extreme Networks
 FCC ID : QXO-AP410C
 EUT Voltage : DC 37~57V
 Test Voltage : AC 120V/60Hz
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart E
 ANSI C63.10:2013;
 789033 D02 General UNII Test Procedures New Rules
 v02r01
 KDB 662911 D01 Multiple Transmitter Output v02r01
 Test Result : Complied
 Performed Location : DEKRA Testing and Certification (Suzhou) Co., Ltd.
 No.99 Hongye Rd., Suzhou Industrial Park, Suzhou,215006,
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 FCC Designation Number: CN1199;

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History of This Test Report

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|-----------------------|---------|-----------------------|---------------|
| 1992128R-RF-US-P09V01 | V1.0 | Initial Issued Report | Apr. 27, 2020 |
| | | | |
| | | | |
| | | | |

1. General Information

1.1.EUT Description

| | | | | | | |
|-------------------------------------|--|------------------|-------------------------------------|----------------------------|-------------------------------------|-----------------|
| Product Name | Wireless Access Point | | | | | |
| Model No. | AP410C | | | | | |
| EUT Voltage | DC 37~57V | | | | | |
| Type of Modulation | OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM | | | | | |
| Data Rate | 802.11a: 6/9/12/18/24/36/48/54Mbps | | | | | |
| | 802.11n: up to 600Mbps | | | | | |
| | 802.11ac: up to 1732Mbps | | | | | |
| | 802.11ax: up to 4.8Gbps | | | | | |
| Channel Control | Auto | | | | | |
| Transmit modes | <input checked="" type="checkbox"/> | 802.11a | <input checked="" type="checkbox"/> | 802.11n(20MHz) | <input checked="" type="checkbox"/> | 802.11n(40MHz) |
| | <input checked="" type="checkbox"/> | 802.11ac(20MHz) | <input checked="" type="checkbox"/> | 802.11ac(40MHz) | <input checked="" type="checkbox"/> | 802.11ac(80MHz) |
| | <input checked="" type="checkbox"/> | 802.11ax(20MHz) | <input checked="" type="checkbox"/> | 802.11ax(40MHz) | <input checked="" type="checkbox"/> | 802.11ax(80MHz) |
| | <input checked="" type="checkbox"/> | 802.11ax(160MHz) | | | | |
| Support Bands | <input checked="" type="checkbox"/> | 5150MHz~5250MHz | <input type="checkbox"/> | Outdoor AP | | |
| | | | <input checked="" type="checkbox"/> | Indoor AP | | |
| | | | <input type="checkbox"/> | Fixed point-to-point AP | | |
| | | | <input type="checkbox"/> | Mobile and Portable Client | | |
| | <input checked="" type="checkbox"/> | 5250MHz~5350MHz | | | | |
| | <input checked="" type="checkbox"/> | 5470MHz~5725MHz | <input checked="" type="checkbox"/> | With TDWR Channels | | |
| <input type="checkbox"/> | | | Without TDWR Channels | | | |
| <input checked="" type="checkbox"/> | 5725MHz~5850MHz | | | | | |

1.2. Antenna information

AP410C:

| | | | | | | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---|-------------------------------------|-----------|-------------------------------------|-----------|
| Antenna Model No. | N/A | | | | | | | |
| Antenna Manufacturer | N/A | | | | | | | |
| Antenna Delivery | <input checked="" type="checkbox"/> | 1*TX+1*RX | <input checked="" type="checkbox"/> | 2*TX+2*RX | <input checked="" type="checkbox"/> | 3*TX+3*RX | <input checked="" type="checkbox"/> | 4*TX+4*RX |
| Antenna Technology | <input checked="" type="checkbox"/> | SISO | | | | | | |
| | <input checked="" type="checkbox"/> | MIMO | <input type="checkbox"/> | Basic methodology | | | | |
| | | | <input type="checkbox"/> | Sectorized antenna systems | | | | |
| | | | <input type="checkbox"/> | Cross-polarized antennas | | | | |
| | | | <input type="checkbox"/> | Unequal antenna gains, with equal transmit powers | | | | |
| | | | <input checked="" type="checkbox"/> | Spatial Multiplexing | | | | |
| <input checked="" type="checkbox"/> | Cyclic Delay Diversity (CDD) | | | | | | | |
| Antenna Type | PIFA | | | | | | | |
| Antenna Gain(Radio 1) | | | | | | | | |
| Antenna Technology | Ant Gain (dBi) | | | | | | | |
| Ant 4(Radio 1) | 3.3 | | | | | | | |
| Antenna Gain(Radio 2) | | | | | | | | |
| Antenna Technology | Ant Gain (dBi) | | | | | | | |
| <input checked="" type="checkbox"/> | SISO | <input checked="" type="checkbox"/> | Ant1 (Radio 2) | 4.5 | | | | |
| <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | Ant2 (Radio 2) | 4.7 | | | | |
| <input checked="" type="checkbox"/> | CDD | | | 4.7dBi for Power; 7.71dBi for PSD | | | | |
| <input checked="" type="checkbox"/> | Beam-forming | | | 7.71dBi for Power; 7.71dBi for PSD | | | | |

| Antenna Gain(Radio 3) | | | | |
|-------------------------------------|------------------|-------------------------------------|--------------------------------------|-----|
| Antenna Technology | | | Ant Gain (dBi) | |
| <input checked="" type="checkbox"/> | SISO | <input checked="" type="checkbox"/> | Ant3 (Radio 3) | 4.7 |
| | | <input checked="" type="checkbox"/> | Ant5 (Radio 3) | 4.6 |
| | | <input checked="" type="checkbox"/> | Ant6 (Radio 3) | 4.6 |
| | | <input checked="" type="checkbox"/> | Ant7 (Radio 3) | 4.7 |
| <input checked="" type="checkbox"/> | 2*2 CDD | | 4.7dBi for Power; 7.71dBi for PSD | |
| <input checked="" type="checkbox"/> | 2*2 Beam-forming | | 7.71dBi for Power; 7.71dBi for PSD | |
| <input checked="" type="checkbox"/> | 4*4 CDD | | 4.7dBi for Power; 10.72dBi for PSD | |
| <input checked="" type="checkbox"/> | 4*4 Beam-forming | | 10.72dBi for Power; 10.72dBi for PSD | |

Note1: The device supports 3 radios, radio 1(1*1 2.4GHz & 1*1 5GHz full band); radio 2(2*2 2.4GHz & 2*2 5GHz low band); radio 3(4*4 5GHz full band & 1*1 BLE), and radio 2 & 3 can works with Dual 2.4GHz & 5GHz mode and Dual 5GHz mode. As the 5GHz high band filter is different between two modes, additional Radio 3 5GHz high band mode is tested for compliance.

Dual 2.4GHz & 5GHz mode: Radio 2(2.4GHz 2*2) + Radio 3(5GHz full band 4*4)

Dual 5GHz mode: Radio 2(5GHz low band 2*2) + Radio 3(5GHz high band 4*4)

2: Radio 3 1*1 and 3*3 power will follow 2*2 and 4*4 power setting, so only 2*2 and 4*4 data are tested.

1.3. Working Frequency of Each Channel:

| 802.11a/n/ac/ax(20MHz) Working Frequency of Each Channel: | | | | | | | |
|---|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 36 | 5180 MHz | 40 | 5200 MHz | 44 | 5220 MHz | 48 | 5240 MHz |
| 52 | 5260 MHz | 56 | 5280 MHz | 60 | 5300 MHz | 64 | 5320 MHz |
| 100 | 5500 MHz | 104 | 5520 MHz | 108 | 5540 MHz | 112 | 5550 MHz |
| 116 | 5580 MHz | 120 | 5600 MHz | 124 | 5620 MHz | 128 | 5640 MHz |
| 132 | 5660 MHz | 136 | 5680 MHz | 140 | 5700 MHz | 144 | 5720 MHz |
| 149 | 5745 MHz | 153 | 5765 MHz | 157 | 5785 MHz | 161 | 5805 MHz |
| 165 | 5825 MHz | N/A | N/A | N/A | N/A | N/A | N/A |
| 802.11n/ac/ax(40MHz) Working Frequency of Each Channel: | | | | | | | |
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 38 | 5190 MHz | 46 | 5230 MHz | 54 | 5270 MHz | 62 | 5310 MHz |
| 102 | 5510 MHz | 110 | 5550 MHz | 118 | 5590 MHz | 126 | 5630 MHz |
| 134 | 5670 MHz | 142 | 5710 MHz | 151 | 5755 MHz | 159 | 5795 MHz |
| 802.11ac/ax(80MHz) Working Frequency of Each Channel: | | | | | | | |
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 42 | 5210 MHz | 58 | 5290 MHz | 106 | 5530MHz | 122 | 5610 MHz |
| 138 | 5690 MHz | 155 | 5775 MHz | N/A | N/A | N/A | N/A |
| 802.11ax(160MHz) Working Frequency of Each Channel: | | | | | | | |
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 50 | 5250 MHz | 114 | 5570 MHz | N/A | N/A | N/A | N/A |

1.4. Mode of Operation

DEKRA Testing and Certification (Suzhou) Co., Ltd. has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

| Test Mode |
|---------------------------------------|
| Mode 1: Transmit by 802.11a |
| Mode 2: Transmit by 802.11n(20MHz) |
| Mode 3: Transmit by 802.11n(40MHz) |
| Mode 4: Transmit by 802.11ac(20MHz) |
| Mode 5: Transmit by 802.11ac(40MHz) |
| Mode 6: Transmit by 802.11ac(80MHz) |
| Mode 7: Transmit by 802.11ax(20MHz) |
| Mode 8: Transmit by 802.11ax(40MHz) |
| Mode 9: Transmit by 802.11ax(80MHz) |
| Mode 10: Transmit by 802.11ax(160MHz) |

Note 1: Regards to the frequency band operation: the lowest, middle and highest frequency channel were selected to perform the test, then shown on this report.

Note 2: For portable device, radiated tests was verified over X, Y, Z axis, and shown the worst case on this report.

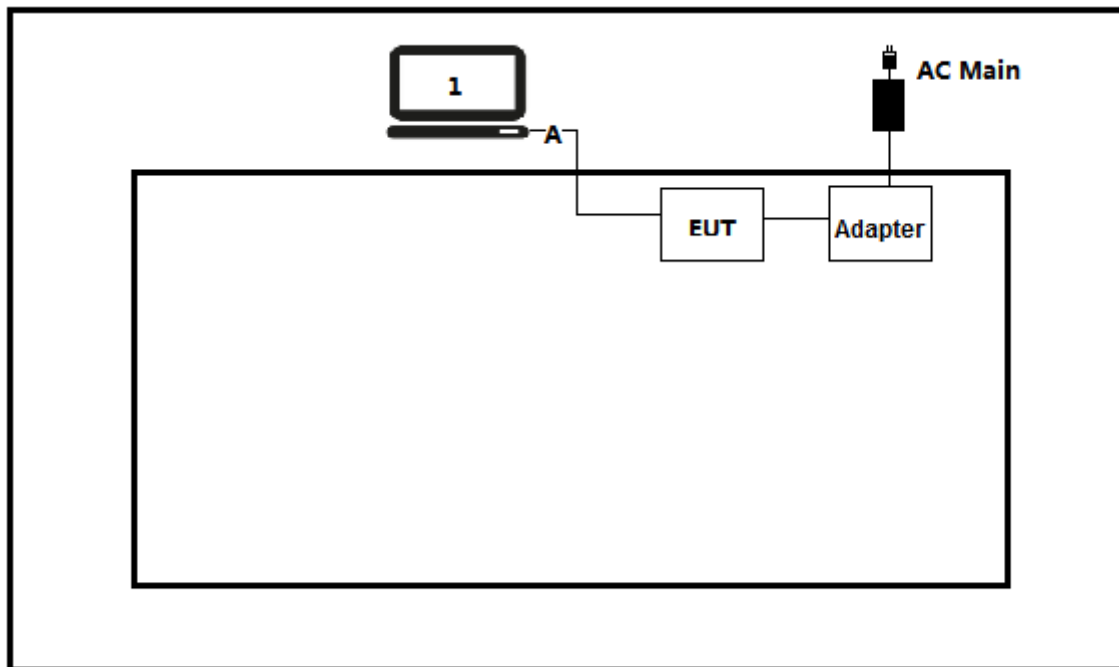
1.5. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

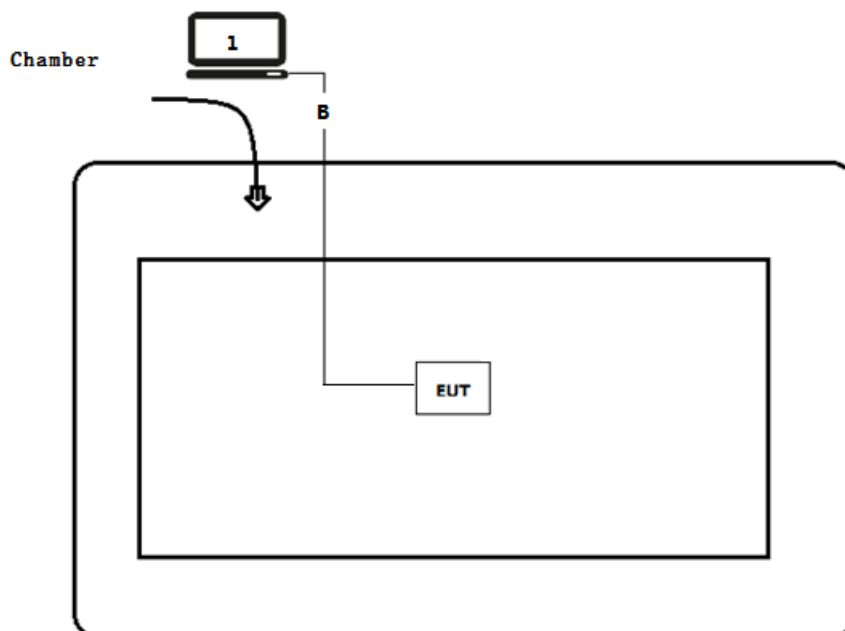
| Product | | Manufacturer | Model No. | Serial No. | Power Cord |
|---------|------------|--------------|----------------|------------|----------------|
| 1 | Notebook | Lenovo | Think pad x220 | SUA0600195 | Non-shielded |
| A | WLAN cable | N/A | N/A | N/A | Shielded, 0.5m |
| B | WLAN cable | N/A | N/A | N/A | Shielded, 10m |

1.6. Configuration of Tested System

Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- Radiated Emission



1.7. EUT Exercise Software

| | |
|---|--|
| 1 | Setup the EUT and simulators as shown on above. |
| 2 | Turn on the power of equipment. |
| 3 | Run RF software [MTool], and set the test mode and channel, then press OK to start to continue transmit. |

2. Technical Test

2.1. Summary of Test Result

- No deviations from the test standards
- Deviations from the test standards as below description:

| Performed Test Item | Normative References | Limit | Result |
|---|--|---------------|--------|
| Conducted Emission | FCC CFR Title 47 Part 15 Subpart E: Section 15.207 | FCC 15.207 | PASS |
| Radiated Emission | FCC CFR Title 47 Part 15 Subpart E: Section 15.209 | FCC 15.209 | PASS |
| Emission bandwidth and occupied bandwidth | FCC CFR Title 47 Part 15 Subpart E: Section 15.407(e) | FCC 15.407(e) | PASS |
| 6dB Emission Bandwidth | FCC CFR Title 47 Part 15 Subpart E: Section 15.407(e) | FCC 15.407(e) | PASS |
| Power Output | FCC CFR Title 47 Part 15 Subpart E: Section 15.407(a) | FCC 15.407(a) | PASS |
| Peak Power Spectral Density | FCC CFR Title 47 Part 15 Subpart E: Section 15.407(a) | FCC 15.407(a) | PASS |
| Radiated Emission Band Edge | FCC CFR Title 47 Part 15 Subpart E: Section 15.205, 15.407(b) | FCC 15.407(b) | PASS |
| Frequency Stability | FCC CFR Title 47 Part 15 Subpart E: Section 15.407(g) | ± 20ppm | PASS |

Note: The DFS report please refer to DEKRA report 1992128R-RF-US-P09V03.

2.2. Test Frequency configuration:

| Modulation Mode | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|------------------------|---------|-----------|---------|-----------|---------|-----------|
| 802.11a/n/ac/ax(20MHz) | 36 | 5180MHz | 44 | 5220MHz | 48 | 5240MHz |
| | 52 | 5260MHz | 60 | 5300MHz | 64 | 5320MHz |
| | 100 | 5500MHz | 116 | 5580MHz | 132 | 5700MHz |
| | 144 | 5720MHz | 149 | 5745MHz | 157 | 5785MHz |
| | 165 | 5825MHz | N/A | N/A | N/A | N/A |
| 802.11n/ac/ax(40MHz) | 38 | 5190MHz | 46 | 5230MHz | 54 | 5270MHz |
| | 62 | 5310MHz | 102 | 5510MHz | 110 | 5550MHz |
| | 134 | 5670MHz | 142 | 5710MHz | 151 | 5755MHz |
| | 159 | 5795MHz | N/A | N/A | N/A | N/A |
| 802.11ac/ax(80MHz) | 42 | 5210MHz | 58 | 5290MHz | 106 | 5530MHz |
| | 138 | 5690MHz | 155 | 5775MHz | N/A | N/A |
| 802.11ax(160MHz) | 50 | 5250MHz | 114 | 5570MHz | N/A | N/A |

2.3. Power vs Data Rate

| MCS Index for 802.11n | Spatial Streams | Data Rate (Mbps) | | | | | | |
|--------------------------|--------------------|------------------|---------|---------|-----------------|----------|-----------------|----------|
| | | 802.11b | 802.11g | 802.11a | 20MHz Bandwidth | | 40MHz Bandwidth | |
| | | | | | 800ns GI | 400ns GI | 800ns GI | 400ns GI |
| 0 | 1 | 1 | 6 | 6 | 6.5 | 7.2 | 13.5 | 15.0 |
| 1 | 1 | 2 | 9 | 9 | 13.0 | 14.4 | 27.0 | 30.0 |
| 2 | 1 | 5.5 | 12 | 12 | 19.5 | 21.7 | 40.5 | 45.0 |
| 3 | 1 | 11 | 18 | 18 | 26.0 | 28.9 | 54.0 | 60.0 |
| 4 | 1 | --- | 24 | 24 | 39.0 | 43.3 | 81.0 | 90.0 |
| 5 | 1 | --- | 36 | 36 | 52.0 | 57.8 | 108.0 | 120.0 |
| 6 | 1 | --- | 48 | 48 | 58.5 | 65.0 | 121.5 | 135.0 |
| 7 | 1 | --- | 54 | 54 | 65.0 | 72.2 | 135.0 | 150.0 |
| 8 | 2 | --- | --- | --- | 13.0 | 14.4 | 27.0 | 30.0 |
| 9 | 2 | --- | --- | --- | 26.0 | 28.9 | 54.0 | 60.0 |
| 10 | 2 | --- | --- | --- | 39.0 | 43.3 | 81.0 | 90.0 |
| 11 | 2 | --- | --- | --- | 52.0 | 57.8 | 108.0 | 120.0 |
| 12 | 2 | --- | --- | --- | 78.0 | 86.7 | 162.0 | 180.0 |
| 13 | 2 | --- | --- | --- | 104.0 | 115.6 | 216.0 | 240.0 |
| 14 | 2 | --- | --- | --- | 117.0 | 130.0 | 243.0 | 270.0 |
| 15 | 2 | --- | --- | --- | 130.0 | 144.0 | 270.0 | 300.0 |
| 16 | 3 | --- | --- | --- | 19.5 | 21.6 | 40.5 | 45 |
| 17 | 3 | --- | --- | --- | 39 | 43.2 | 81 | 90 |
| 18 | 3 | --- | --- | --- | 58.5 | 65.1 | 121.5 | 135 |
| 19 | 3 | --- | --- | --- | 78 | 86.7 | 162 | 180 |
| 20 | 3 | --- | --- | --- | 117 | 129.9 | 243 | 270 |
| 21 | 3 | --- | --- | --- | 156 | 173.4 | 324 | 360 |
| 22 | 3 | --- | --- | --- | 175.5 | 195 | 364.5 | 405 |
| 23 | 3 | --- | --- | --- | 195 | 216.6 | 405 | 450 |
| 24 | 4 | --- | --- | --- | 26 | 28.8 | 54 | 60 |
| 25 | 4 | --- | --- | --- | 52 | 57.6 | 108 | 120 |
| 26 | 4 | --- | --- | --- | 78 | 86.8 | 162 | 180 |
| 27 | 4 | --- | --- | --- | 104 | 115.6 | 216 | 240 |
| 28 | 4 | --- | --- | --- | 156 | 173.2 | 324 | 360 |
| 29 | 4 | --- | --- | --- | 208 | 231.2 | 432 | 480 |
| 30 | 4 | --- | --- | --- | 234 | 260 | 486 | 540 |

| | | | | | | | | |
|---|---|-----|-----|-----|-----|-------|-----|-----|
| 31 | 4 | --- | --- | --- | 260 | 288.8 | 540 | 600 |
| Note1: The blue form is the maximum power data rate. | | | | | | | | |
| 2: The EUT supports 4 spatial streams. | | | | | | | | |

| Spatial Streams (Note1) | MCS Index | Modulation type | Coding rate | Data Rate(Mb/s) | | | | | |
|-------------------------|-----------|-----------------|-------------|-----------------|-------|----------------|-------|----------------|--------|
| | | | | 20MHz | | 40MHz | | 80MHz | |
| | | | | Guard Interval | | Guard Interval | | Guard Interval | |
| | | | | 800ns | 400ns | 800ns | 400ns | 800ns | 400ns |
| 1 | 0 | BPSK | 1/2 | 6.5 | 7.2 | 13.5 | 15 | 29.3 | 32.5 |
| | 1 | QPSK | 1/2 | 13 | 14.4 | 27 | 30 | 58.5 | 65 |
| | 2 | QPSK | 3/4 | 19.5 | 21.7 | 40.5 | 45 | 87.8 | 97.5 |
| | 3 | 16-QAM | 1/2 | 26 | 28.9 | 54 | 60 | 117 | 130 |
| | 4 | 16-QAM | 3/4 | 39 | 43.3 | 81 | 90 | 175.5 | 195 |
| | 5 | 64-QAM | 2/3 | 52 | 57.8 | 108 | 120 | 234 | 260 |
| | 6 | 64-QAM | 3/4 | 58.5 | 65 | 121.5 | 135 | 263.3 | 292.5 |
| | 7 | 64-QAM | 5/6 | 65 | 72.2 | 135 | 150 | 292.5 | 325 |
| | 8 | 256-QAM | 3/4 | 78 | 86.7 | 162 | 180 | 351 | 390 |
| | 9 | 256-QAM | 5/6 | N/A | N/A | 180 | 200 | 390 | 433.3 |
| 2 | 10 | BPSK | 1/2 | 13.0 | 14.4 | 27.0 | 30.0 | 58.6 | 65.0 |
| | 11 | QPSK | 1/2 | 26.0 | 28.8 | 54.0 | 60.0 | 117.0 | 130.0 |
| | 12 | QPSK | 3/4 | 39.0 | 43.4 | 81.0 | 90.0 | 175.6 | 195.0 |
| | 13 | 16-QAM | 1/2 | 52.0 | 57.8 | 108.0 | 120.0 | 234.0 | 260.0 |
| | 14 | 16-QAM | 3/4 | 78.0 | 86.6 | 162.0 | 180.0 | 351.0 | 390.0 |
| | 15 | 64-QAM | 2/3 | 104.0 | 115.6 | 216.0 | 240.0 | 468.0 | 520.0 |
| | 16 | 64-QAM | 3/4 | 117.0 | 130.0 | 243.0 | 270.0 | 526.6 | 585.0 |
| | 17 | 64-QAM | 5/6 | 130.0 | 144.4 | 270.0 | 300.0 | 585.0 | 650.0 |
| | 18 | 256-QAM | 3/4 | 156.0 | 173.4 | 324.0 | 360.0 | 702.0 | 780.0 |
| | 19 | 256-QAM | 5/6 | N/A | N/A | 360.0 | 400.0 | 780.0 | 866.6 |
| 3 | 20 | BPSK | 1/2 | 26 | 28.8 | 54 | 60 | 117.2 | 130 |
| | 21 | QPSK | 1/2 | 39 | 43.2 | 81 | 90 | 175.5 | 195 |
| | 22 | QPSK | 3/4 | 58.5 | 65.1 | 121.5 | 135 | 263.4 | 292.5 |
| | 23 | 16-QAM | 1/2 | 78 | 86.7 | 162 | 180 | 351 | 390 |
| | 24 | 16-QAM | 3/4 | 117 | 129.9 | 243 | 270 | 526.5 | 585 |
| | 25 | 64-QAM | 2/3 | 156 | 173.4 | 324 | 360 | 702 | 780 |
| | 26 | 64-QAM | 3/4 | 175.5 | 195 | 364.5 | 405 | 789.9 | 877.5 |
| | 27 | 64-QAM | 5/6 | 195 | 216.6 | 405 | 450 | 877.5 | 975 |
| | 28 | 256-QAM | 3/4 | 234 | 260.1 | 486 | 540 | 1053 | 1170 |
| | 29 | 256-QAM | 5/6 | N/A | N/A | 540 | 600 | 1170 | 1299.9 |
| 4 | 30 | BPSK | 1/2 | 26 | 28.8 | 54 | 60 | 117.2 | 130 |
| | 31 | QPSK | 1/2 | 52 | 57.6 | 108 | 120 | 234 | 260 |
| | 32 | QPSK | 3/4 | 78 | 86.8 | 162 | 180 | 351.2 | 390 |

| | | | | | | | | |
|----|---------|-----|-----|-------|-----|-----|--------|--------|
| 33 | 16-QAM | 1/2 | 104 | 115.6 | 216 | 240 | 468 | 520 |
| 34 | 16-QAM | 3/4 | 156 | 173.2 | 324 | 360 | 702 | 780 |
| 35 | 64-QAM | 2/3 | 208 | 231.2 | 432 | 480 | 936 | 1040 |
| 36 | 64-QAM | 3/4 | 234 | 260 | 486 | 540 | 1053.2 | 1170 |
| 37 | 64-QAM | 5/6 | 260 | 288.8 | 540 | 600 | 1170 | 1300 |
| 38 | 256-QAM | 3/4 | 312 | 346.8 | 648 | 720 | 1404 | 1560 |
| 39 | 256-QAM | 5/6 | N/A | N/A | 720 | 800 | 1560 | 1733.2 |

Note 1: The blue form is the maximum power data rate.

2: The EUT supports 4 spatial streams.

| Spatial Streams (Note1) | MCS Index | Modulation type | Coding rate | Data Rate(Mb/s) | | | | | | | |
|-------------------------|-----------|-----------------|-------------|-----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|
| | | | | 20MHz | | 40MHz | | 80MHz | | 160MHz | |
| | | | | Guard Interval | | Guard Interval | | Guard Interval | | Guard Interval | |
| | | | | 1600 ns GI | 800 ns GI | 1600 ns GI | 800 ns GI | 1600 ns GI | 800 ns GI | 1600 ns GI | 800 ns GI |
| 1 | 0 | BPSK | 1/2 | 4 | 4 | 8 | 9 | 17 | 18 | 34 | 36 |
| | 1 | QPSK | 1/2 | 16 | 17 | 33 | 34 | 68 | 72 | 136 | 144 |
| | 2 | QPSK | 3/4 | 24 | 26 | 49 | 52 | 102 | 108 | 204 | 216 |
| | 3 | 16-QAM | 1/2 | 33 | 34 | 65 | 69 | 136 | 144 | 272 | 282 |
| | 4 | 16-QAM | 3/4 | 49 | 52 | 98 | 103 | 204 | 216 | 408 | 432 |
| | 5 | 64-QAM | 2/3 | 65 | 69 | 130 | 138 | 272 | 288 | 544 | 576 |
| | 6 | 64-QAM | 3/4 | 73 | 77 | 146 | 155 | 306 | 324 | 613 | 649 |
| | 7 | 64-QAM | 5/6 | 81 | 86 | 163 | 172 | 340 | 360 | 681 | 721 |
| | 8 | 256-QAM | 3/4 | 98 | 103 | 195 | 207 | 408 | 432 | 817 | 865 |
| | 9 | 256-QAM | 5/6 | 108 | 115 | 217 | 229 | 453 | 480 | 907 | 961 |
| | 10 | 1024-QAM | 3/4 | 122 | 129 | 244 | 258 | 510 | 540 | 1021 | 1081 |
| 11 | 1024-QAM | 5/6 | 135 | 143 | 271 | 287 | 567 | 600 | 1134 | 1201 | |
| 2 | 12 | BPSK | 1/2 | 8 | 8 | 16 | 18 | 34 | 36 | 68 | 72 |
| | 13 | QPSK | 1/2 | 32 | 34 | 66 | 68 | 136 | 144 | 272 | 288 |
| | 14 | QPSK | 3/4 | 48 | 52 | 98 | 104 | 204 | 216 | 408 | 432 |
| | 15 | 16-QAM | 1/2 | 66 | 68 | 130 | 138 | 272 | 288 | 544 | 564 |
| | 16 | 16-QAM | 3/4 | 98 | 104 | 196 | 206 | 408 | 432 | 816 | 864 |
| | 17 | 64-QAM | 2/3 | 130 | 138 | 260 | 276 | 544 | 576 | 1088 | 1152 |
| | 18 | 64-QAM | 3/4 | 146 | 154 | 292 | 310 | 612 | 648 | 1226 | 1298 |
| | 19 | 64-QAM | 5/6 | 162 | 172 | 326 | 344 | 680 | 720 | 1362 | 1442 |
| | 20 | 256-QAM | 3/4 | 196 | 206 | 390 | 414 | 816 | 864 | 1634 | 1730 |
| | 21 | 256-QAM | 5/6 | 216 | 230 | 434 | 458 | 906 | 960 | 1814 | 1922 |
| | 22 | 1024-QAM | 3/4 | 244 | 258 | 488 | 516 | 1020 | 1080 | 2042 | 2162 |
| 23 | 1024-QAM | 5/6 | 270 | 286 | 542 | 574 | 1134 | 1200 | 2268 | 2402 | |
| 3 | 24 | BPSK | 1/2 | 12 | 12 | 24 | 27 | 51 | 54 | 102 | 108 |
| | 25 | QPSK | 1/2 | 48 | 51 | 99 | 102 | 204 | 216 | 408 | 432 |
| | 26 | QPSK | 3/4 | 72 | 78 | 147 | 156 | 306 | 324 | 612 | 648 |
| | 27 | 16-QAM | 1/2 | 99 | 102 | 195 | 207 | 408 | 432 | 816 | 846 |
| | 28 | 16-QAM | 3/4 | 147 | 156 | 294 | 309 | 612 | 648 | 1224 | 1296 |
| | 29 | 64-QAM | 2/3 | 195 | 207 | 390 | 414 | 816 | 864 | 1632 | 1728 |
| | 30 | 64-QAM | 3/4 | 219 | 231 | 438 | 465 | 918 | 972 | 1839 | 1947 |
| | 31 | 64-QAM | 5/6 | 243 | 258 | 489 | 516 | 1020 | 1080 | 2043 | 2163 |

| | | | | | | | | | | | |
|----|----------|----------|-----|-----|------|------|------|------|------|------|------|
| | 32 | 256-QAM | 3/4 | 294 | 309 | 585 | 621 | 1224 | 1296 | 2451 | 2595 |
| | 33 | 256-QAM | 5/6 | 324 | 345 | 651 | 687 | 1359 | 1440 | 2721 | 2883 |
| | 34 | 1024-QAM | 3/4 | 366 | 387 | 732 | 774 | 1530 | 1620 | 3063 | 3243 |
| | 35 | 1024-QAM | 5/6 | 405 | 429 | 813 | 861 | 1701 | 1800 | 3402 | 3603 |
| 4 | 36 | BPSK | 1/2 | 16 | 16 | 32 | 36 | 68 | 72 | 136 | 144 |
| | 37 | QPSK | 1/2 | 64 | 68 | 132 | 136 | 272 | 288 | 544 | 576 |
| | 38 | QPSK | 3/4 | 96 | 104 | 196 | 208 | 408 | 432 | 816 | 864 |
| | 39 | 16-QAM | 1/2 | 132 | 136 | 260 | 276 | 544 | 576 | 1088 | 1128 |
| | 40 | 16-QAM | 3/4 | 196 | 208 | 392 | 412 | 816 | 864 | 1632 | 1728 |
| | 41 | 64-QAM | 2/3 | 260 | 276 | 520 | 552 | 1088 | 1152 | 2176 | 2304 |
| | 42 | 64-QAM | 3/4 | 292 | 308 | 584 | 620 | 1224 | 1296 | 2452 | 2596 |
| | 43 | 64-QAM | 5/6 | 324 | 344 | 652 | 688 | 1360 | 1440 | 2724 | 2884 |
| | 44 | 256-QAM | 3/4 | 392 | 412 | 780 | 828 | 1632 | 1728 | 3268 | 3460 |
| | 45 | 256-QAM | 5/6 | 432 | 460 | 868 | 916 | 1812 | 1920 | 3628 | 3844 |
| | 46 | 1024-QAM | 3/4 | 488 | 516 | 976 | 1032 | 2040 | 2160 | 4084 | 4324 |
| 47 | 1024-QAM | 5/6 | 540 | 572 | 1084 | 1148 | 2268 | 2400 | 4536 | 4804 | |

Note 1: The blue form is the maximum power data rate.

2: The EUT supports 4 spatial streams.

2.4. Duty Cycle

Radio 1:

| Test Mode | Tx On (ms) | Tx Off (ms) | VBW(kHz) | Tx On + Tx Off (ms) | Duty Cycle (%) |
|-----------------|------------|-------------|----------|---------------------|----------------|
| 802.11a | 2.055 | 0.115 | 0.51 | 2.170 | 94.70 |
| 802.11n(20MHz) | 1.920 | 0.105 | 0.56 | 2.025 | 94.81 |
| 802.11n(40MHz) | 0.915 | 0.135 | 1.1 | 1.050 | 87.14 |
| 802.11ac(20MHz) | 1.915 | 0.04 | 0.56 | 1.955 | 97.95 |
| 802.11ac(40MHz) | 0.920 | 0.065 | 1.1 | 0.985 | 93.40 |
| 802.11ac(80MHz) | 0.426 | 0.06 | 2.4 | 0.486 | 87.65 |
| 802.11ax(20MHz) | 1.475 | 0.045 | 0.68 | 1.520 | 97.04 |
| 802.11ax(40MHz) | 0.740 | 0.075 | 1.5 | 0.815 | 90.80 |
| 802.11ax(80MHz) | 0.375 | 0.069 | 2.7 | 0.444 | 84.46 |

Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Note 2: According to KDB 789033 , when test for Conducted Emission Band Edge and Radiated Emission, VBW = 1/T will be used.

Radio 2:

| Test Mode | Tx On (ms) | Tx Off (ms) | VBW(kHz) | Tx On + Tx Off (ms) | Duty Cycle (%) |
|-----------------|------------|-------------|----------|---------------------|----------------|
| 802.11a | 2.055 | 0.12 | 0.51 | 2.175 | 94.48 |
| 802.11n(20MHz) | 1.915 | 0.11 | 0.56 | 2.025 | 94.57 |
| 802.11n(40MHz) | 0.915 | 0.132 | 1.1 | 1.047 | 87.39 |
| 802.11ac(20MHz) | 1.920 | 0.04 | 0.56 | 1.960 | 97.96 |
| 802.11ac(40MHz) | 0.918 | 0.069 | 1.1 | 0.987 | 93.01 |
| 802.11ac(80MHz) | 0.426 | 0.063 | 2.4 | 0.489 | 87.12 |
| 802.11ax(20MHz) | 1.475 | 0.04 | 0.68 | 1.515 | 97.36 |
| 802.11ax(40MHz) | 0.744 | 0.066 | 1.5 | 0.810 | 91.85 |
| 802.11ax(80MHz) | 0.375 | 0.069 | 2.7 | 0.444 | 84.46 |

Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Note 2: According to KDB 789033 , when test for Conducted Emission Band Edge and Radiated Emission, VBW = 1/T will be used.

Beam-forming:

| Test Mode | Tx On (ms) | Tx Off (ms) | VBW(kHz) | Tx On + Tx Off (ms) | Duty Cycle (%) |
|-----------------|------------|-------------|----------|---------------------|----------------|
| 802.11n(20MHz) | 1.917 | 0.111 | 0.56 | 2.028 | 94.53 |
| 802.11n(40MHz) | 0.909 | 0.135 | 1.2 | 1.044 | 87.07 |
| 802.11ac(20MHz) | 1.920 | 0.04 | 0.56 | 1.960 | 97.96 |
| 802.11ac(40MHz) | 0.918 | 0.066 | 1.1 | 0.984 | 93.29 |
| 802.11ac(80MHz) | 0.426 | 0.063 | 2.4 | 0.489 | 87.12 |
| 802.11ax(20MHz) | 1.475 | 0.045 | 0.68 | 1.520 | 97.04 |
| 802.11ax(40MHz) | 0.747 | 0.063 | 1.5 | 0.810 | 92.22 |
| 802.11ax(80MHz) | 0.378 | 0.066 | 2.7 | 0.444 | 85.14 |

Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Note 2: According to KDB 789033 , when test for Conducted Emission Band Edge and Radiated Emission, VBW = 1/T will be used.

Radio 3:

| Test Mode | Tx On (ms) | Tx Off (ms) | VBW(kHz) | Tx On + Tx Off (ms) | Duty Cycle (%) |
|------------------|------------|-------------|----------|---------------------|----------------|
| 802.11a | 2.055 | 0.117 | 0.51 | 2.172 | 94.61 |
| 802.11n(20MHz) | 1.917 | 0.108 | 0.56 | 2.025 | 94.67 |
| 802.11n(40MHz) | 0.912 | 0.135 | 1.1 | 1.047 | 87.11 |
| 802.11ac(20MHz) | 1.920 | 0.045 | 0.56 | 1.965 | 97.71 |
| 802.11ac(40MHz) | 0.918 | 0.063 | 1.1 | 0.981 | 93.58 |
| 802.11ac(80MHz) | 0.424 | 0.068 | 2.4 | 0.492 | 86.18 |
| 802.11ax(20MHz) | 1.479 | 0.039 | 0.68 | 1.518 | 97.43 |
| 802.11ax(40MHz) | 0.753 | 0.057 | 1.5 | 0.810 | 92.96 |
| 802.11ax(80MHz) | 0.376 | 0.07 | 2.7 | 0.446 | 84.30 |
| 802.11ax(160MHz) | 0.236 | 0.031 | 4.3 | 0.267 | 88.39 |

Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Note 2: According to KDB 789033 , when test for Conducted Emission Band Edge and Radiated Emission, VBW = 1/T will be used.

Beam-forming:

| Test Mode | Tx On (ms) | Tx Off (ms) | VBW(kHz) | Tx On + Tx Off (ms) | Duty Cycle (%) |
|------------------|------------|-------------|----------|---------------------|----------------|
| 802.11n(20MHz) | 1.915 | 0.11 | 0.56 | 2.025 | 94.57 |
| 802.11n(40MHz) | 0.915 | 0.132 | 1.1 | 1.047 | 87.39 |
| 802.11ac(20MHz) | 1.910 | 0.045 | 0.56 | 1.955 | 97.70 |
| 802.11ac(40MHz) | 0.918 | 0.063 | 1.1 | 0.981 | 93.58 |
| 802.11ac(80MHz) | 0.426 | 0.063 | 2.4 | 0.489 | 87.12 |
| 802.11ax(20MHz) | 1.455 | 0.065 | 0.75 | 1.520 | 95.72 |
| 802.11ax(40MHz) | 0.744 | 0.069 | 1.5 | 0.813 | 91.51 |
| 802.11ax(80MHz) | 0.375 | 0.069 | 2.7 | 0.444 | 84.46 |
| 802.11ax(160MHz) | 0.252 | 0.030 | 4.3 | 0.282 | 89.36 |

Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Note 2: According to KDB 789033 , when test for Conducted Emission Band Edge and Radiated Emission, VBW = 1/T will be used.

2.5. Test Environment

| Items | Required (IEC 68-1) | Actual |
|----------------------------|---------------------|----------|
| Temperature (°C) | 15-35 | 21 |
| Humidity (%RH) | 25-75 | 50 |
| Barometric pressure (mbar) | 860-1060 | 950-1000 |

2.6. Uncertainty

| Test Items | Uncertainty |
|------------------------------------|--------------------------------|
| AC Power Line Conducted Emission | $\pm 2.02\text{dB}$ |
| Radiated Emission | Below 1GHz $\pm 3.8\text{ dB}$ |
| | Above 1GHz $\pm 3.9\text{ dB}$ |
| RF Antenna Port Conducted Emission | $\pm 1.27\text{dB}$ |
| Radiated Emission Band Edge | $\pm 3.9\text{dB}$ |
| Occupied Bandwidth | $\pm 1\text{kHz}$ |
| Power Spectral Density | $\pm 1.27\text{dB}$ |
| Frequency Stability | $\pm 100\text{ Hz}$ |

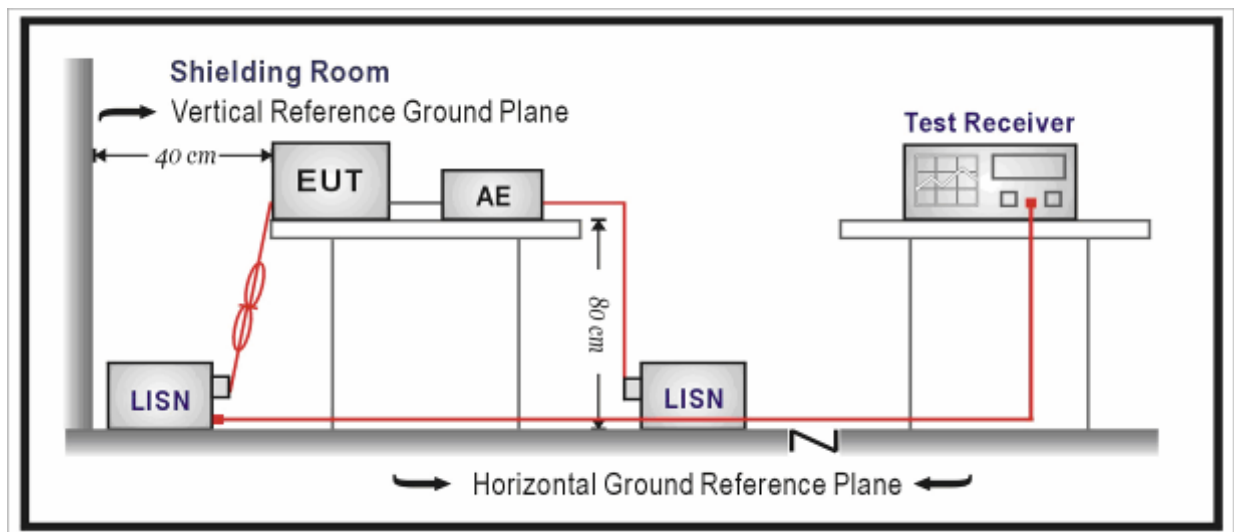
3. Conducted Emission

3.1. Test Equipment

| Conducted Emission / TR-1 | | | | | |
|----------------------------|--------------|----------|------------|------------|---------------|
| Instrument | Manufacturer | Type No. | Serial No. | Cal. Date | Cal. Due Date |
| EMI Test Receiver | R&S | ESCI | 100906 | 2020.03.05 | 2021.03.04 |
| Two-Line V-Network | R&S | ENV 216 | 101189 | 2019.06.16 | 2020.06.15 |
| Two-Line V-Network | R&S | ENV 216 | 101044 | 2019.09.16 | 2020.09.15 |
| 50ohm Coaxial Switch | Anritsu | MP59B | 6200464462 | N/A | N/A |
| 50ohm Termination | SHX | TF2 | 07081402 | 2019.09.16 | 2020.09.15 |
| Temperature/Humidity Meter | Zhichen | ZC1-2 | TR1-TH | 2020.01.05 | 2021.01.04 |

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

3.2. Test Setup



3.3. Limit

| Frequency (MHz) | QP (dB μ V) | AV (dB μ V) |
|-----------------|-----------------|-----------------|
| 0.15 - 0.50 | 66 – 56 | 56 – 46 |
| 0.50 - 5.0 | 56 | 46 |
| 5.0 - 30 | 60 | 50 |

Note 1: The lower limit shall apply at the transition frequencies.

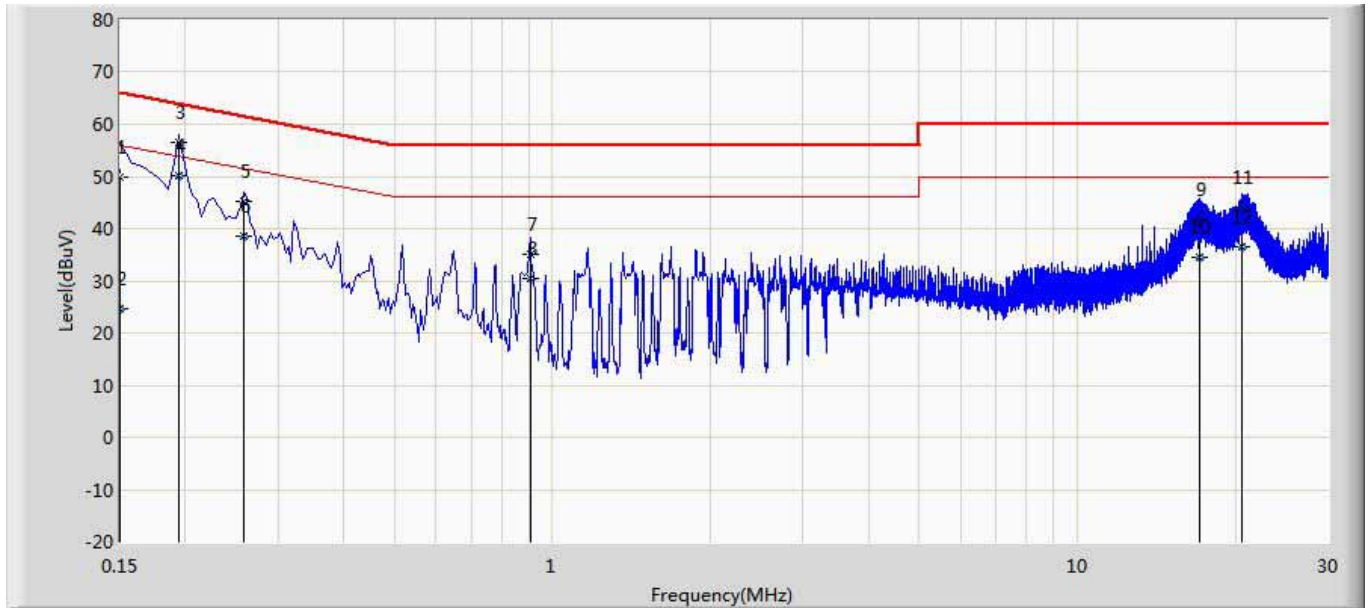
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

3.4. Test Procedure

| Test Method | | | |
|-------------------------------------|------------------|---------|---|
| | References Rule | Chapter | Item |
| <input checked="" type="checkbox"/> | ANSI C63.10-2013 | 6.2 | Standard test method for ac power-line conducted emissions from unlicensed wireless devices |

3.5. Test Result

| | |
|--|---------------------|
| Site: TR1 | Time: 2019/11/20 |
| Limit: FCC_Part15.207_CE_AC Power | Margin: 0 |
| Probe: ENV216_101190(0.009-30MHz) | Polarity: Line |
| EUT: Wireless Access Point | Power: AC 120V/60Hz |
| Note: Simultaneous transmission with 2.4G WIFI + 5G WIFI + BLE | |

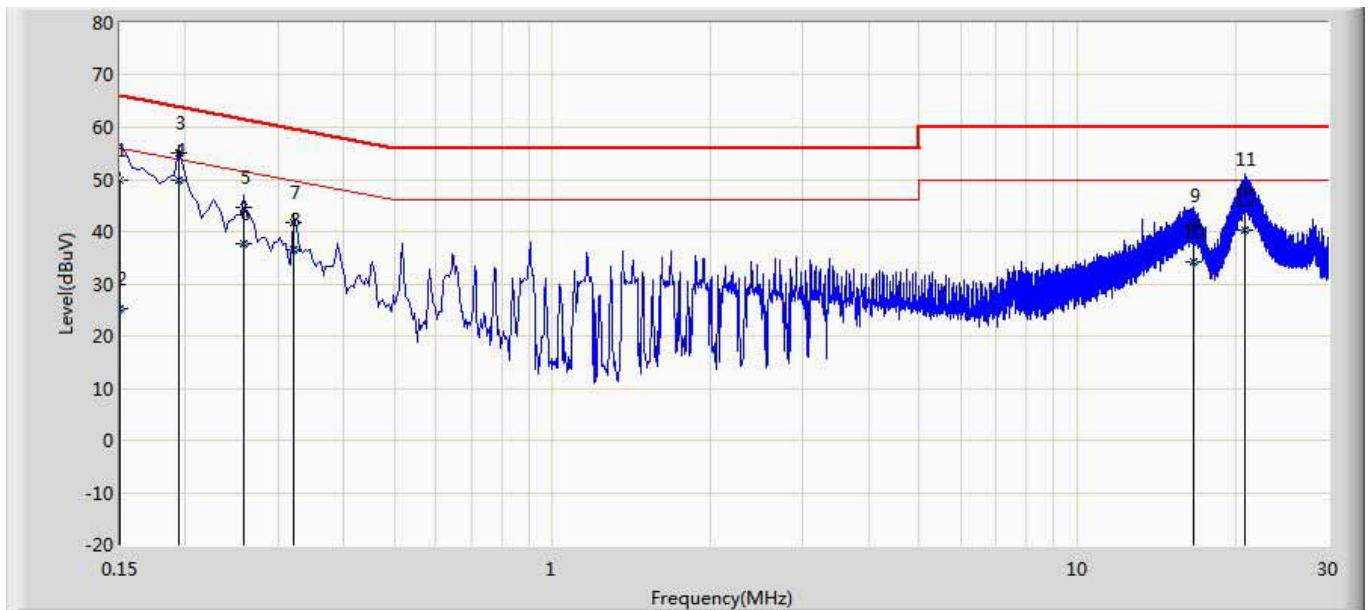


| No | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Probe (dB) | Cable (dB) | Amp (dB) | Type |
|----|------|-----------------|----------------------|----------------------|-----------------|--------------|------------|------------|----------|------|
| 1 | | 0.150 | 49.896 | 40.296 | -16.104 | 66.000 | 9.570 | 0.029 | 0.000 | QP |
| 2 | | 0.150 | 24.774 | 15.174 | -31.226 | 56.000 | 9.570 | 0.029 | 0.000 | AV |
| 3 | | 0.194 | 56.574 | 46.959 | -7.290 | 63.864 | 9.587 | 0.028 | 0.000 | QP |
| 4 | * | 0.194 | 50.011 | 40.396 | -3.852 | 53.864 | 9.587 | 0.028 | 0.000 | AV |
| 5 | | 0.258 | 45.104 | 35.478 | -16.392 | 61.496 | 9.594 | 0.032 | 0.000 | QP |
| 6 | | 0.258 | 38.532 | 28.906 | -12.964 | 51.496 | 9.594 | 0.032 | 0.000 | AV |
| 7 | | 0.906 | 35.115 | 25.432 | -20.885 | 56.000 | 9.627 | 0.057 | 0.000 | QP |
| 8 | | 0.906 | 30.304 | 20.621 | -15.696 | 46.000 | 9.627 | 0.057 | 0.000 | AV |
| 9 | | 17.138 | 41.883 | 31.681 | -18.117 | 60.000 | 9.936 | 0.266 | 0.000 | QP |
| 10 | | 17.138 | 34.557 | 24.355 | -15.443 | 50.000 | 9.936 | 0.266 | 0.000 | AV |
| 11 | | 20.626 | 44.123 | 33.834 | -15.877 | 60.000 | 9.996 | 0.293 | 0.000 | QP |
| 12 | | 20.626 | 36.523 | 26.233 | -13.477 | 50.000 | 9.996 | 0.293 | 0.000 | AV |

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

| | |
|--|---------------------|
| Site: TR1 | Time: 2019/11/20 |
| Limit: FCC_Part15.207_CE_AC Power | Margin: 0 |
| Probe: ENV216_101190(0.009-30MHz) | Polarity: Neutral |
| EUT: Wireless Access Point | Power: AC 120V/60Hz |
| Note: Simultaneous transmission with 2.4G WIFI + 5G WIFI + BLE | |



| No | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Probe (dB) | Cable (dB) | Amp (dB) | Type |
|----|------|-----------------|----------------------|----------------------|-----------------|--------------|------------|------------|----------|------|
| 1 | | 0.150 | 49.990 | 40.391 | -16.010 | 66.000 | 9.570 | 0.029 | 0.000 | QP |
| 2 | | 0.150 | 25.204 | 15.604 | -30.796 | 56.000 | 9.570 | 0.029 | 0.000 | AV |
| 3 | | 0.194 | 55.046 | 45.431 | -8.817 | 63.864 | 9.587 | 0.028 | 0.000 | QP |
| 4 | * | 0.194 | 49.937 | 40.322 | -3.926 | 53.864 | 9.587 | 0.028 | 0.000 | AV |
| 5 | | 0.258 | 44.677 | 35.051 | -16.819 | 61.496 | 9.594 | 0.032 | 0.000 | QP |
| 6 | | 0.258 | 37.732 | 28.106 | -13.764 | 51.496 | 9.594 | 0.032 | 0.000 | AV |
| 7 | | 0.322 | 41.694 | 32.062 | -17.961 | 59.655 | 9.598 | 0.035 | 0.000 | QP |
| 8 | | 0.322 | 36.449 | 26.816 | -13.206 | 49.655 | 9.598 | 0.035 | 0.000 | AV |
| 9 | | 16.618 | 41.150 | 30.912 | -18.850 | 60.000 | 9.976 | 0.262 | 0.000 | QP |
| 10 | | 16.618 | 34.167 | 23.929 | -15.833 | 50.000 | 9.976 | 0.262 | 0.000 | AV |
| 11 | | 20.822 | 48.030 | 37.667 | -11.970 | 60.000 | 10.068 | 0.295 | 0.000 | QP |
| 12 | | 20.822 | 40.153 | 29.790 | -9.847 | 50.000 | 10.068 | 0.295 | 0.000 | AV |

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable+Amp).

4. Radiated Emission

4.1. Test Equipment

| Radiated Emission(Below 1GHz) / AC-2 | | | | | |
|--------------------------------------|--------------|--------------|------------|------------|---------------|
| Instrument | Manufacturer | Type No. | Serial No. | Cal. Date | Cal. Due Date |
| EMI Test Receiver | R&S | ESCI | 100573 | 2020.03.29 | 2021.03.28 |
| Loop Antenna | R&S | HFH2-Z2 | 833799/003 | 2019.11.16 | 2020.11.15 |
| Bilog Antenna | Teseq GmbH | CBL6112D | 27611 | 2019.10.16 | 2020.10.15 |
| Coaxial Cable | Huber+Suhner | SUCOFLEX 106 | AC2-C | 2020.03.02 | 2021.03.01 |
| Temperature/Humidity Meter | Zhichen | ZC1-2 | AC2-TH | 2020.01.04 | 2021.01.03 |

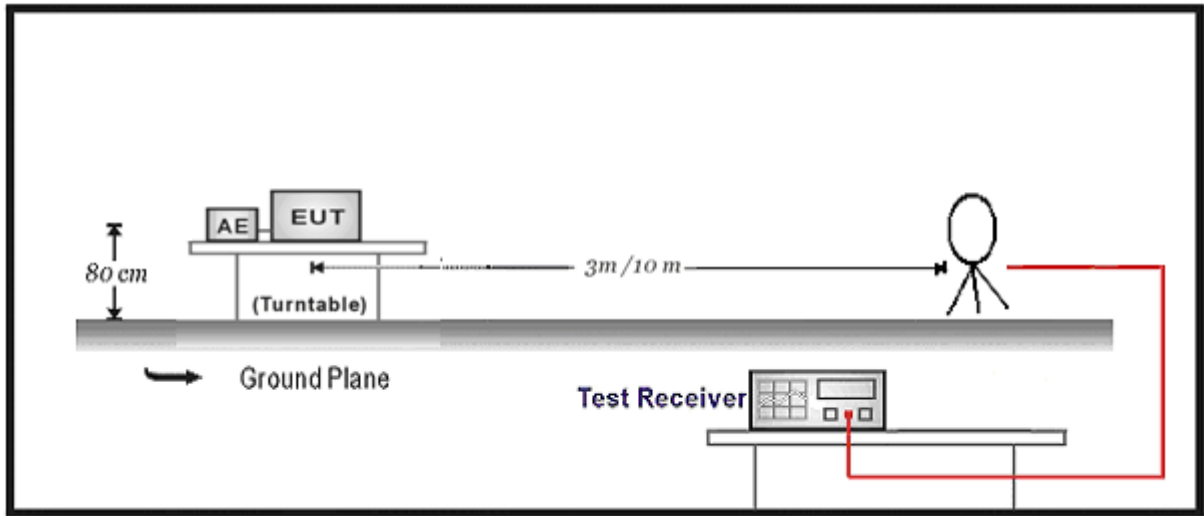
Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

| Radiated Emission(Above 1GHz) / AC-5 | | | | | |
|--------------------------------------|--------------|--------------|-------------|------------|---------------|
| Instrument | Manufacturer | Type No. | Serial No. | Cal. Date | Cal. Due Date |
| Spectrum Analyzer | Agilent | E4446A | MY45300103 | 2020.01.04 | 2021.01.03 |
| Preamplifier | Miteq | NSP1800-25 | 1364185 | 2019.05.06 | 2020.05.05 |
| Preamplifier | QuieTek | AP-040G | CHM-0906001 | 2019.05.06 | 2020.05.05 |
| DRG Horn | ETS-Lindgren | 3117 | 00123988 | 2020.01.22 | 2021.01.21 |
| Broad-Band Horn Antenna | Schwarzbeck | BBHA9170 | 294 | 2019.11.25 | 2020.11.24 |
| Coaxial Cable | Huber+Suhner | SUCOFLEX 106 | AC5-C1 | 2020.03.02 | 2021.03.01 |
| Coaxial Cable | Huber+Suhner | SUCOFLEX 106 | AC5-C2 | 2020.03.02 | 2021.03.01 |
| Coaxial Cable | Huber+Suhner | SUCOFLEX 102 | AC5-C3 | 2020.03.02 | 2021.03.01 |
| EMI Receiver | Agilent | N9038A | MY51210196 | 2019.06.10 | 2020.06.09 |
| Temperature/Humidity Meter | Zhichen | ZC1-2 | AC5-TH | 2020.01.04 | 2021.01.03 |

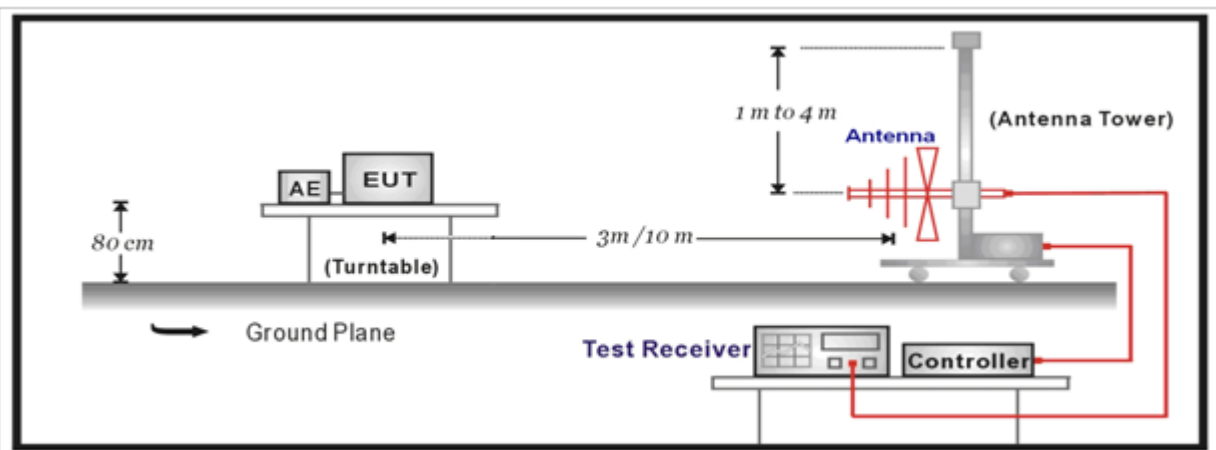
Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

4.2. Test Setup

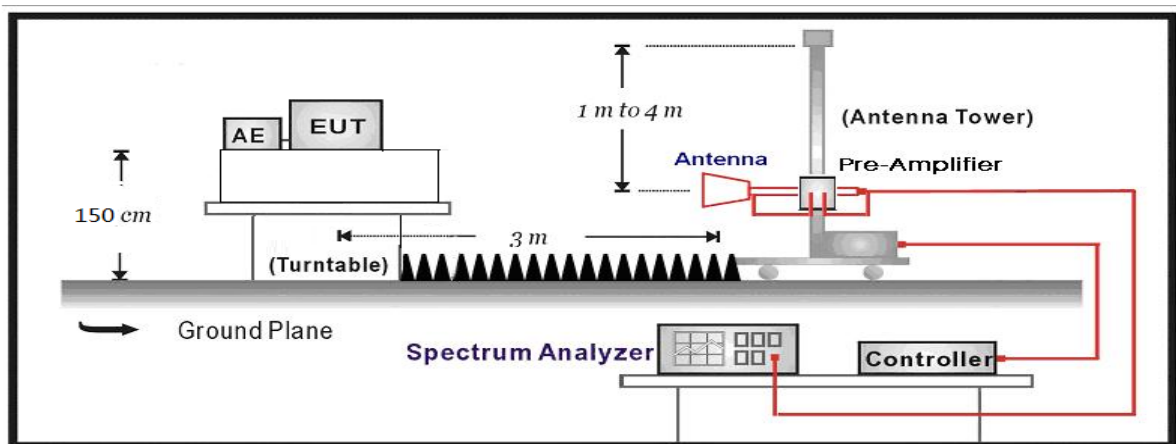
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



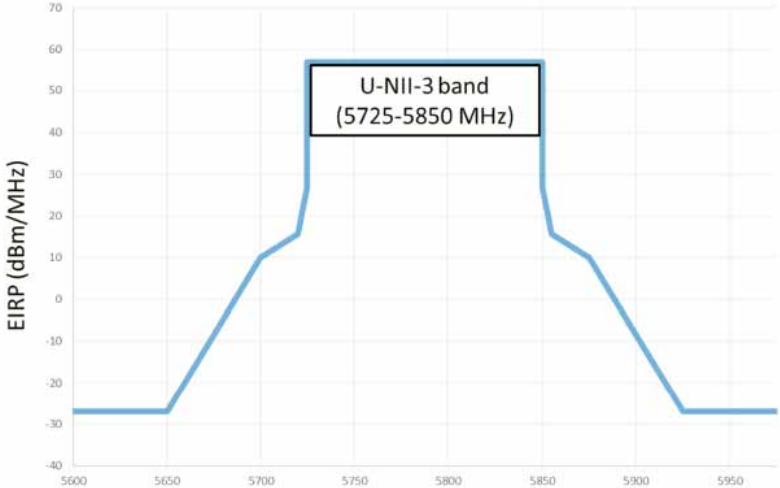
4.3. Limit

| FCC Part 15 Subpart C Paragraph 15.209 (Restricted Band Emissions Limit) | | |
|---|--------------|----------------------|
| Frequency (MHz) | Distance (m) | Level (dB μ V/m) |
| 0.009-0.490 | 300 | 2400/F(kHz) |
| 0.490-1.705 | 30 | 24000/F(kHz) |
| 1.705-30.0 | 30 | 30 |
| 30-88 | 3 | 100** |
| 88-216 | 3 | 150** |
| 216-960 | 3 | 200** |
| Above 960 | 3 | 500 |

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

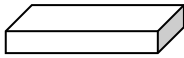
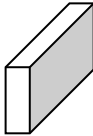
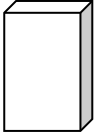
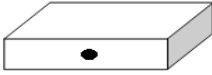
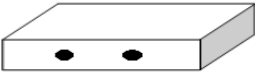


| FCC Part 15 Subpart C Paragraph 15.205 (Restricted Band) | | | |
|---|-----------------------|-----------------|-----------------|
| Frequency (MHz) | Frequency (MHz) | Frequency (MHz) | Frequency (GHz) |
| 0.090 – 0.110 | 16.42 – 16.423 | 399.9 – 410 | 4.5 – 5.15 |
| 0.495 – 0.505 | 16.69475 – 16.69525 | 608 – 614 | 5.35 – 5.46 |
| 2.1735 – 2.1905 | 16.80425 – 16.80475 | 960 – 1240 | 7.25 – 7.75 |
| 4.125 – 4.128 | 25.5 – 25.67 | 1300 – 1427 | 8.025 – 8.5 |
| 4.17725 – 4.17775 | 37.5 – 38.25 | 1435 – 1626.5 | 9.0 – 9.2 |
| 4.20725 – 4.20775 | 73 – 74.6 | 1645.5 – 1646.5 | 9.3 – 9.5 |
| 6.215 – 6.218 | 74.8 – 75.2 | 1660 – 1710 | 10.6 – 12.7 |
| 6.26775 – 6.26825 | 108 – 121.94 | 1718.8 – 1722.2 | 13.25 – 13.4 |
| 6.31175 – 6.31225 | 123 – 138 | 2200 – 2300 | 14.47 – 14.5 |
| 8.291 – 8.294 | 149.9 – 150.05 | 2310 – 2390 | 15.35 – 16.2 |
| 8.362 – 8.366 | 156.52475 – 156.52525 | 2483.5 – 2500 | 17.7 – 21.4 |
| 8.37625 – 8.38675 | 156.7 – 156.9 | 2690 – 2900 | 22.01 – 23.12 |
| 8.81425 – 8.81475 | 162.0125 – 167.17 | 3260 – 3267 | 23.6 – 24.0 |
| 12.29 – 12.293 | 167.72 – 173.2 | 3332 – 3339 | 31.2 – 31.8 |
| 12.51975–12.52025 | 240 – 285 | 3345.8 – 3358 | 36.43 – 36.5 |
| 12.57675–12.57725 | 322 – 335.4 | 3600 – 4400 | |
| 13.36 – 13.41 | | | |

| FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit) | | |
|--|---|--|
| Operating Frequency Band (MHz) | EIRP Limit (dBm/MHz) | Equivalent Field Strength at 3m (dB μ V/m) |
| 5150 - 5250 | -27 | 68.3 |
| 5250 - 5350 | -27 | 68.3 |
| 5470 - 5725 | -27 | 68.3 |
| Operating Frequency Band (MHz) | EIRP Limit (dBm/MHz) | |
| 5725 - 5850 |  <p>The graph plots EIRP (dBm/MHz) on the y-axis (ranging from -40 to 70) against Frequency (MHz) on the x-axis (ranging from 5600 to 5950). A blue line shows the emission profile. It is constant at -27 dBm/MHz from 5600 to 5650 MHz and from 5900 to 5950 MHz. Between 5650 and 5725 MHz, it rises to a peak of about 15 dBm/MHz. From 5725 MHz to 5850 MHz, it rises sharply to a plateau of approximately 55 dBm/MHz. From 5850 MHz to 5900 MHz, it falls back to about 15 dBm/MHz. A box highlights the 'U-NII-3 band (5725-5850 MHz)' on the plateau.</p> | |

4.4. Test Procedure

| Test Method | | | |
|-------------------------------------|---|----------|--|
| | References Rule | Chapter | Description |
| <input type="checkbox"/> | ANSI C63.10 | 12.7.3 | Emissions in non-restricted frequency bands |
| <input checked="" type="checkbox"/> | ANSI C63.10 | 12.7.2 | Emissions in restricted frequency bands |
| | <input checked="" type="checkbox"/> ANSI C63.10 | 12.7.5 | Radiated emission measurements |
| | <input checked="" type="checkbox"/> ANSI C63.10 | 12.7.6 | Procedure for peak unwanted emissions measurements above 1000 MHz |
| | <input checked="" type="checkbox"/> ANSI C63.10 | 12.7.7 | Procedures for average unwanted emissions measurements above 1000 MHz |
| | <input type="checkbox"/> ANSI C63.10 | 12.7.7.2 | Method AD (average detection)—primary method |
| | <input checked="" type="checkbox"/> ANSI C63.10 | 12.7.7.3 | Method VB-A (Alternative) |
| | <input checked="" type="checkbox"/> ANSI C63.10 | 6.4 | Radiated emissions from unlicensed wireless devices below 30 MHz |
| | <input checked="" type="checkbox"/> ANSI C63.10 | 6.5 | Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz |
| | <input checked="" type="checkbox"/> ANSI C63.10 | 6.6 | Radiated emissions from unlicensed wireless devices above 1 GHz |
| <input type="checkbox"/> | FCC KDB 789033 D02v02r01 | G.2 | Unwanted Emissions that fall Outside of the Restricted Bands |
| <input type="checkbox"/> | FCC KDB 789033 D02v02r01 | G.1 | Unwanted Emissions in the Restricted Bands |
| | <input type="checkbox"/> FCC KDB 789033 D02v02r01 | G.4 | Procedure for Unwanted Emissions Measurements below 1000 MHz |
| | <input type="checkbox"/> FCC KDB 789033 D02v02r01 | G.5 | Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz |
| | <input type="checkbox"/> FCC KDB 789033 D02v02r01 | G.6 | Procedures for Average Unwanted Emissions Measurements above 1000 MHz |
| | <input type="checkbox"/> FCC KDB 789033 D02v02r01 | G.6.c | Method AD (Average detection)—primary method |
| | <input type="checkbox"/> FCC KDB 789033 D02v02r01 | G.6.d | Method VB (Averaging using reduced video bandwidth): Alternative method. |

4.5. EUT test Axis definition

| Item | Radiated Emission | | | |
|-----------------|--|--|--|--|
| Device Category | <input checked="" type="checkbox"/> | Indoor use | | |
| | <input type="checkbox"/> | Outdoor use | | |
| | <input type="checkbox"/> | Fix position use | | |
| | <input type="checkbox"/> | Client use | | |
| Test mode | Mode 1-10 | | | |
| Test method | <input checked="" type="checkbox"/> | Radiated | | |
| | | X Axis | Y Axis | Z Axis |
| | |  |  |  |
| | | Worst Axis <input checked="" type="checkbox"/> | Worst Axis <input type="checkbox"/> | Worst Axis <input type="checkbox"/> |
| | <input type="checkbox"/> | Conducted | | |
| | <input type="checkbox"/> | Chain 1 | | |
| | |  | | |
| | <input type="checkbox"/> | Chain 1 | Chain 2 | |
| | |  | | |
| | <input type="checkbox"/> | Chain 1 | Chain 2 | Chain 3 |
| | |  | | |
| | <input type="checkbox"/> | Chain 1 | Chain 2 | Chain 3 |
| |  | | | |

4.6. Test Result

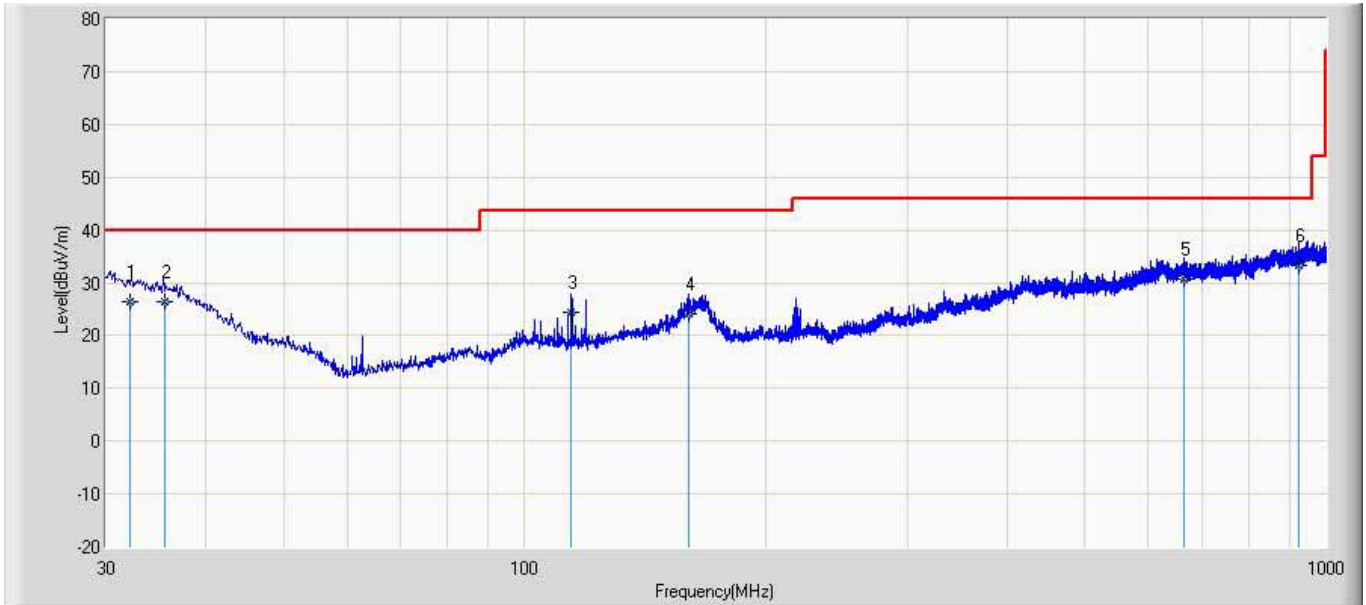
Note:

1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
4. As the radiated emission was performed, so conducted emission was not tested.
5. The data was too large so was showed in below attached files.

Appendix 3: 5GHz Radiated spurious emission

The worst case of Radiated Emission below 1GHz:

| | |
|---|----------------------|
| Site: AC2 | Time: 2019/11/21 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: AC3_3m (30-1000MHz) | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: AC 120V/60Hz |
| Note: Simultaneous transmission with 2.4G WIFI +5G WIFI + BLE | |

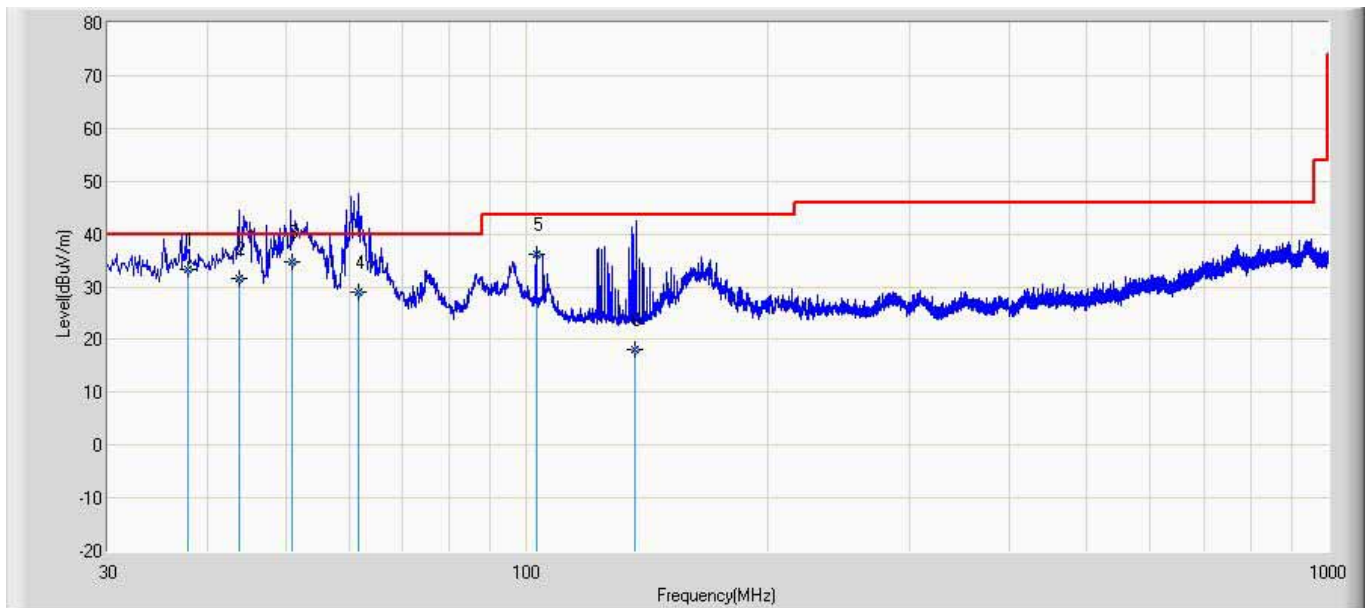


| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Probe (dB/m) | Cable (dB) | Amp (dB) | Ant Pos (cm) | Table Pos (deg) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|--------------|------------|----------|--------------|-----------------|------|
| 1 | | 32.104 | 26.446 | -0.300 | -13.554 | 40.000 | 20.281 | 6.465 | 0.000 | 100 | 0 | QP |
| 2 | | 35.463 | 26.378 | 0.700 | -13.622 | 40.000 | 19.184 | 6.494 | 0.000 | 100 | 121 | QP |
| 3 | | 114.365 | 24.431 | 8.600 | -19.069 | 43.500 | 8.911 | 6.920 | 0.000 | 100 | 310 | QP |
| 4 | | 160.234 | 24.114 | 6.800 | -19.386 | 43.500 | 10.187 | 7.127 | 0.000 | 100 | 144 | QP |
| 5 | | 663.850 | 30.768 | 1.300 | -15.232 | 46.000 | 20.883 | 8.585 | 0.000 | 166 | 360 | QP |
| 6 | * | 924.362 | 33.239 | 0.900 | -12.761 | 46.000 | 23.189 | 9.150 | 0.000 | 100 | 221 | QP |

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

| | |
|---|---------------------|
| Site: AC2 | Time: 2019/11/21 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: AC3_3m (30-1000MHz) | Polarity: Vertical |
| EUT: Wireless Access Point | Power: AC 120V/60Hz |
| Note: Simultaneous transmission with 2.4G WIFI +5G WIFI + BLE | |



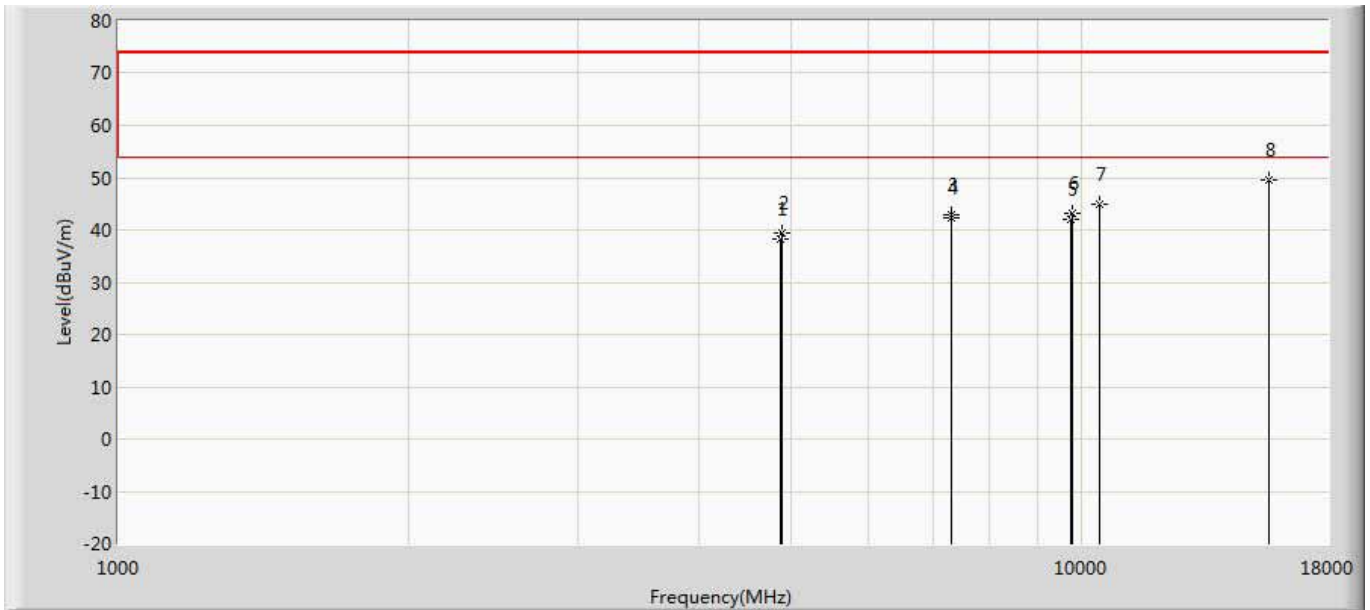
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Probe (dB/m) | Cable (dB) | Amp (dB) | Ant Pos (cm) | Table Pos (deg) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|--------------|------------|----------|--------------|-----------------|------|
| 1 | | 37.831 | 33.304 | 12.200 | -6.696 | 40.000 | 14.594 | 6.511 | 0.000 | 100 | 306 | QP |
| 2 | | 43.837 | 31.557 | 13.900 | -8.443 | 40.000 | 11.104 | 6.552 | 0.000 | 100 | 232 | QP |
| 3 | * | 50.867 | 34.721 | 16.700 | -5.279 | 40.000 | 11.429 | 6.592 | 0.000 | 100 | 137 | QP |
| 4 | | 61.647 | 29.018 | 13.100 | -10.982 | 40.000 | 9.262 | 6.656 | 0.000 | 100 | 186 | QP |
| 5 | | 102.801 | 36.075 | 14.000 | -7.425 | 43.500 | 15.208 | 6.867 | 0.000 | 100 | 0 | QP |
| 6 | | 136.607 | 18.142 | -2.100 | -25.358 | 43.500 | 13.221 | 7.021 | 0.000 | 200 | 217 | QP |

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

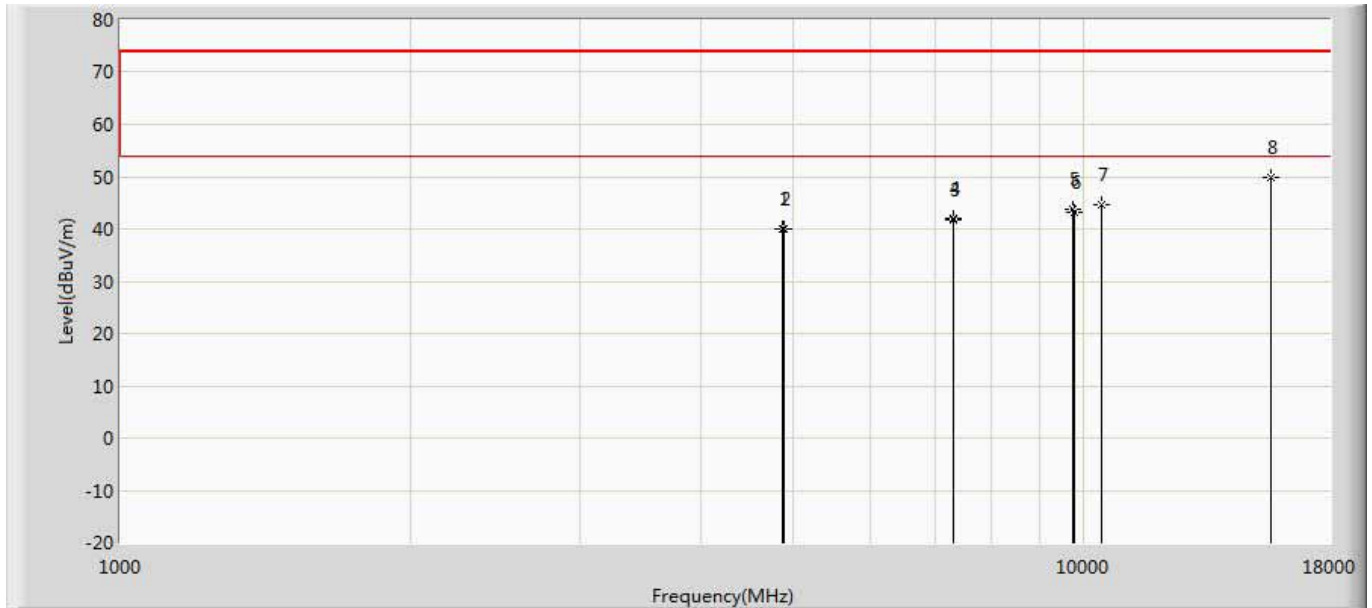
The worst case of Simultaneous Radiated Emission:

| | |
|---|---------------------|
| Engineer: Simon | |
| Site: AC5 | Time: 2019/11/19 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Vertical |
| EUT: Wireless Access Point | Power: AC 120V/60Hz |
| Note: Simultaneous transmission with 2.4G WIFI +5G WIFI + BLE | |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | | 4874.000 | 38.212 | 33.365 | -35.788 | 74.000 | 4.846 | PK |
| 2 | | 4880.000 | 39.457 | 34.678 | -34.543 | 74.000 | 4.778 | PK |
| 3 | | 7311.000 | 42.834 | 34.843 | -31.166 | 74.000 | 7.991 | PK |
| 4 | | 7320.000 | 42.419 | 34.349 | -31.581 | 74.000 | 8.071 | PK |
| 5 | | 9748.000 | 42.062 | 32.357 | -31.938 | 74.000 | 9.705 | PK |
| 6 | | 9760.000 | 43.252 | 33.348 | -30.748 | 74.000 | 9.904 | PK |
| 7 | | 10440.000 | 44.864 | 32.513 | -29.136 | 74.000 | 12.351 | PK |
| 8 | * | 15660.000 | 49.517 | 31.990 | -24.483 | 74.000 | 17.527 | PK |

| | |
|---|----------------------|
| Engineer: Simon | |
| Site: AC5 | Time: 2019/11/19 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: Horn_3117_00167055(1-18GHz) | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: AC 120V/60Hz |
| Note: Simultaneous transmission with 2.4G WIFI +5G WIFI + BLE | |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1 | | 4874.000 | 40.134 | 35.287 | -33.866 | 74.000 | 4.846 | PK |
| 2 | | 4880.000 | 39.918 | 35.139 | -34.082 | 74.000 | 4.778 | PK |
| 3 | | 7311.000 | 41.825 | 33.834 | -32.175 | 74.000 | 7.991 | PK |
| 4 | | 7320.000 | 42.024 | 33.954 | -31.976 | 74.000 | 8.071 | PK |
| 5 | | 9748.000 | 43.739 | 34.034 | -30.261 | 74.000 | 9.705 | PK |
| 6 | | 9760.000 | 43.207 | 33.303 | -30.793 | 74.000 | 9.904 | PK |
| 7 | | 10440.000 | 44.715 | 32.364 | -29.285 | 74.000 | 12.351 | PK |
| 8 | * | 15660.000 | 49.772 | 32.245 | -24.228 | 74.000 | 17.527 | PK |

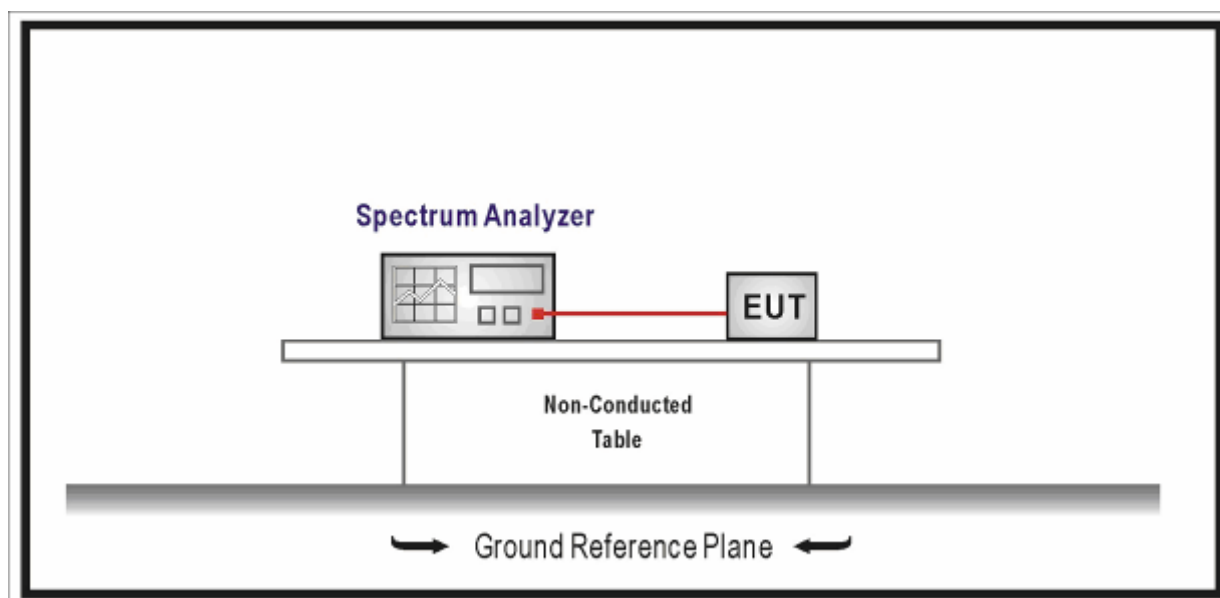
5. Emission bandwidth and occupied bandwidth

5.1. Test Equipment

| Emission bandwidth and occupied bandwidth / TR-8 | | | | | |
|--|--------------|----------|------------|------------|---------------|
| Instrument | Manufacturer | Type No. | Serial No. | Cal. Date | Cal. Due Date |
| Spectrum Analyzer | Agilent | N9010A | MY48030494 | 2020.02.04 | 2021.02.03 |
| EXA Spectrum Analyzer | Keysight | N9010A | MY55370495 | 2020.04.09 | 2021.04.08 |
| MXA Signal Analyzer | Keysight | N9020A | MY56060147 | 2020.04.09 | 2021.04.08 |
| Temperature/Humidity Meter | zhichen | ZC1-2 | TR8-TH | 2020.04.10 | 2021.04.09 |

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

5.2. Test Setup



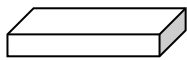
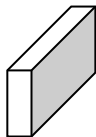
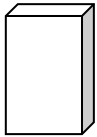


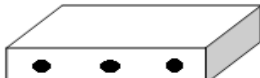

5.3. Limit

N/A

5.4. Test Procedure

| Test Method | | | |
|-------------------------------------|---|---------|---|
| | References Rule | Chapter | Description |
| <input type="checkbox"/> | ANSI C63.10 | 12.4 | Emission bandwidth and occupied bandwidth |
| | <input type="checkbox"/> ANSI C63.10 | 12.4.1 | Emission bandwidth (26dB) |
| | <input type="checkbox"/> ANSI C63.10 | 12.4.2 | Occupied bandwidth (99%) |
| <input checked="" type="checkbox"/> | FCC KDB 789033 D02v02r01 | C | Bandwidth Measurement |
| | <input checked="" type="checkbox"/> FCC KDB 789033 D02v02r01 | C.1 | Emission Bandwidth (26dB) |
| | <input type="checkbox"/> FCC KDB 789033 D02v02r01 | C.2 | Minimum Emission Bandwidth for the band 5.725-5.85 GHz (6dB) |
| <input checked="" type="checkbox"/> | FCC KDB 789033 D02v02r01 | D | 99 Percent Occupied Bandwidth |

5.5. EUT test Axis definition

| Item | Occupied bandwidth | | | |
|-------------------------------------|--|--|--|--|
| Device Category | <input checked="" type="checkbox"/> | Indoor use | | |
| | <input type="checkbox"/> | Outdoor use | | |
| | <input type="checkbox"/> | Fix position use | | |
| | <input type="checkbox"/> | Client use | | |
| Test mode | Mode 1-10 | | | |
| Test method | <input type="checkbox"/> | Radiated | | |
| | | X Axis | Y Axis | Z Axis |
| | |  |  |  |
| | | Worst Axis <input type="checkbox"/> | Worst Axis <input type="checkbox"/> | Worst Axis <input type="checkbox"/> |
| | <input checked="" type="checkbox"/> | Conducted | | |
| | <input checked="" type="checkbox"/> | Chain 1 | | |
| | |  | | |
| | <input checked="" type="checkbox"/> | Chain 1 | Chain 2 | |
| | |  | | |
| | <input type="checkbox"/> | Chain 1 | Chain 2 | Chain 3 |
| | |  | | |
| <input checked="" type="checkbox"/> | Chain 1 | Chain 2 | Chain 3 | Chain 4 |
| |  | | | |

5.6. Test Result

| | | | |
|--------------|-------------------------|---------------|----------------|
| Product Name | : Wireless Access Point | Power | : AC 120V/60Hz |
| Test Mode | : Mode 1~10 | Test Site | : TR8 |
| Test Date | : 2019.11.12 | Test Engineer | : Simon |

| Mode 1: Transmit by 802.11a | | | | | |
|------------------------------------|-----------------|-------------------------------|------------------------------|------------------------------|--------|
| Channel No. | Frequency (MHz) | 26dB Occupied Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Lower/Higher Frequency (MHz) | Result |
| CH36 | 5180 | 36.25 | 17.279 | 5171.361 | Pass |
| CH44 | 5220 | 22.80 | 17.111 | N/A | Pass |
| CH48 | 5240 | 36.68 | 17.563 | 5248.782 | Pass |
| CH52 | 5260 | 20.36 | 16.500 | N/A | Pass |
| CH60 | 5300 | 20.50 | 16.493 | N/A | Pass |
| CH64 | 5320 | 20.57 | 16.478 | N/A | Pass |
| CH100 | 5500 | 20.50 | 16.484 | N/A | Pass |
| CH116 | 5580 | 20.28 | 16.489 | N/A | Pass |
| CH140 | 5700 | 20.60 | 16.455 | N/A | Pass |

| Mode 2: Transmit by 802.11n(20MHz) | | | | | |
|---|-----------------|-------------------------------|------------------------------|------------------------------|--------|
| Channel No. | Frequency (MHz) | 26dB Occupied Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Lower/Higher Frequency (MHz) | Result |
| CH36 | 5180 | 31.60 | 18.866 | 5170.567 | Pass |
| CH44 | 5220 | 29.97 | 18.862 | N/A | Pass |
| CH48 | 5240 | 24.76 | 18.208 | 5249.104 | Pass |
| CH52 | 5260 | 28.60 | 18.300 | N/A | Pass |
| CH60 | 5300 | 26.97 | 18.481 | N/A | Pass |
| CH64 | 5320 | 25.90 | 18.463 | N/A | Pass |
| CH100 | 5500 | 24.17 | 18.340 | N/A | Pass |
| CH116 | 5580 | 27.99 | 18.565 | N/A | Pass |
| CH140 | 5700 | 21.97 | 18.492 | N/A | Pass |

| Mode 3: Transmit by 802.11n(40MHz) | | | | | |
|---|-----------------|-------------------------------|------------------------------|------------------------------|--------|
| Channel No. | Frequency (MHz) | 26dB Occupied Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Lower/Higher Frequency (MHz) | Result |
| CH38 | 5190 | 67.16 | 36.521 | 5171.740 | Pass |
| CH46 | 5230 | 52.61 | 36.517 | 5248.259 | Pass |
| CH54 | 5270 | 64.14 | 36.558 | N/A | Pass |
| CH62 | 5310 | 67.33 | 36.600 | N/A | Pass |
| CH102 | 5510 | 67.31 | 36.638 | N/A | Pass |
| CH134 | 5670 | 41.25 | 36.683 | N/A | Pass |

| Mode 4: Transmit by 802.11ac(20MHz) | | | | | |
|--|-----------------|-------------------------------|------------------------------|------------------------------|--------|
| Channel No. | Frequency (MHz) | 26dB Occupied Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Lower/Higher Frequency (MHz) | Result |
| CH36 | 5180 | 31.84 | 18.643 | 5170.679 | Pass |
| CH44 | 5220 | 30.36 | 18.451 | N/A | Pass |
| CH48 | 5240 | 24.01 | 18.458 | 5249.229 | Pass |
| CH52 | 5260 | 27.86 | 19.196 | N/A | Pass |
| CH60 | 5300 | 29.10 | 19.230 | N/A | Pass |
| CH64 | 5320 | 25.13 | 19.167 | N/A | Pass |
| CH100 | 5500 | 25.38 | 19.234 | N/A | Pass |
| CH116 | 5580 | 30.99 | 19.147 | N/A | Pass |
| CH140 | 5700 | 24.54 | 19.123 | N/A | Pass |

| Mode 5: Transmit by 802.11ac(40MHz) | | | | | |
|--|-----------------|-------------------------------|------------------------------|------------------------------|--------|
| Channel No. | Frequency (MHz) | 26dB Occupied Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Lower/Higher Frequency (MHz) | Result |
| CH38 | 5190 | 54.47 | 36.495 | 5171.753 | Pass |
| CH46 | 5230 | 48.14 | 36.503 | 5248.252 | Pass |
| CH54 | 5270 | 56.38 | 36.510 | N/A | Pass |
| CH62 | 5310 | 60.42 | 36.542 | N/A | Pass |
| CH102 | 5510 | 56.19 | 36.550 | N/A | Pass |
| CH134 | 5670 | 43.17 | 36.554 | N/A | Pass |

| Mode 6: Transmit by 802.11ac(80MHz) | | | | | |
|--|-----------------|-------------------------------|------------------------------|------------------------------|--------|
| Channel No. | Frequency (MHz) | 26dB Occupied Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Lower/Higher Frequency (MHz) | Result |
| CH42 | 5210 | 112.3 | 76.300 | 5171.85/5248.15 | Pass |
| CH58 | 5290 | 103.6 | 76.184 | N/A | Pass |
| CH106 | 5530 | 141.7 | 76.159 | N/A | Pass |

| Mode 7: Transmit by 802.11ax(20MHz) | | | | | |
|--|-----------------|-------------------------------|------------------------------|------------------------------|--------|
| Channel No. | Frequency (MHz) | 26dB Occupied Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Lower/Higher Frequency (MHz) | Result |
| CH36 | 5180 | 32.46 | 19.367 | 5170.317 | Pass |
| CH44 | 5220 | 22.04 | 19.119 | N/A | Pass |
| CH48 | 5240 | 25.88 | 19.197 | 5249.599 | Pass |
| CH52 | 5260 | 24.29 | 18.225 | N/A | Pass |
| CH60 | 5300 | 27.97 | 18.356 | N/A | Pass |
| CH64 | 5320 | 26.07 | 18.307 | N/A | Pass |
| CH100 | 5500 | 22.78 | 18.374 | N/A | Pass |
| CH116 | 5580 | 22.08 | 18.246 | N/A | Pass |
| CH140 | 5700 | 21.98 | 18.360 | N/A | Pass |

| Mode 8: Transmit by 802.11ax(40MHz) | | | | | |
|--|-----------------|-------------------------------|------------------------------|------------------------------|--------|
| Channel No. | Frequency (MHz) | 26dB Occupied Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Lower/Higher Frequency (MHz) | Result |
| CH38 | 5190 | 46.83 | 37.677 | 5171.162 | Pass |
| CH46 | 5230 | 40.93 | 37.723 | 5248.862 | Pass |
| CH54 | 5270 | 50.95 | 37.844 | N/A | Pass |
| CH62 | 5310 | 40.42 | 37.828 | N/A | Pass |
| CH102 | 5510 | 46.33 | 37.706 | N/A | Pass |
| CH134 | 5670 | 40.23 | 37.782 | N/A | Pass |

Mode 9: Transmit by 802.11ax(80MHz)

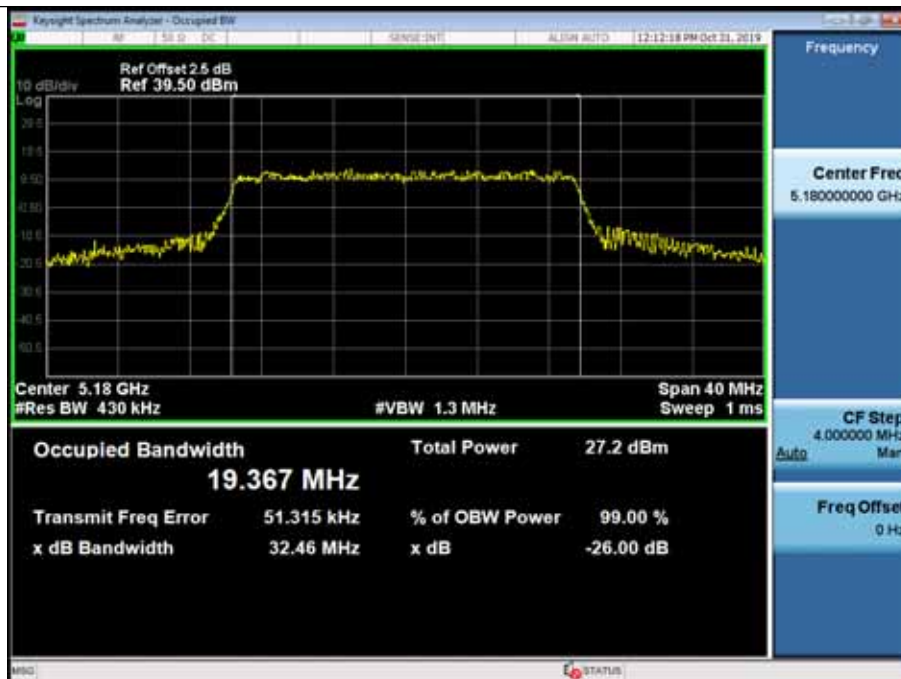
| Channel No. | Frequency (MHz) | 26dB Occupied Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Lower/Higher Frequency (MHz) | Result |
|-------------|-----------------|-------------------------------|------------------------------|------------------------------|--------|
| CH42 | 5210 | 97.46 | 77.283 | 5171.359/5248.642 | Pass |
| CH58 | 5290 | 89.00 | 77.349 | N/A | Pass |
| CH106 | 5530 | 127.7 | 77.544 | N/A | Pass |

Mode 10: Transmit by 802.11ax(160MHz)

| Channel No. | Frequency (MHz) | 26dB Occupied Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Lower/Higher Frequency (MHz) | Result |
|-------------|-----------------|-------------------------------|------------------------------|------------------------------|--------|
| CH50 | 5250 | 164.5 | 155.59 | 5171.359/5248.642 | Pass |
| CH114 | 5570 | 165.9 | 158.44 | N/A | Pass |

The worst case of Occupied Bandwidth as below:

Mode 7: CH36 (5180MHz)



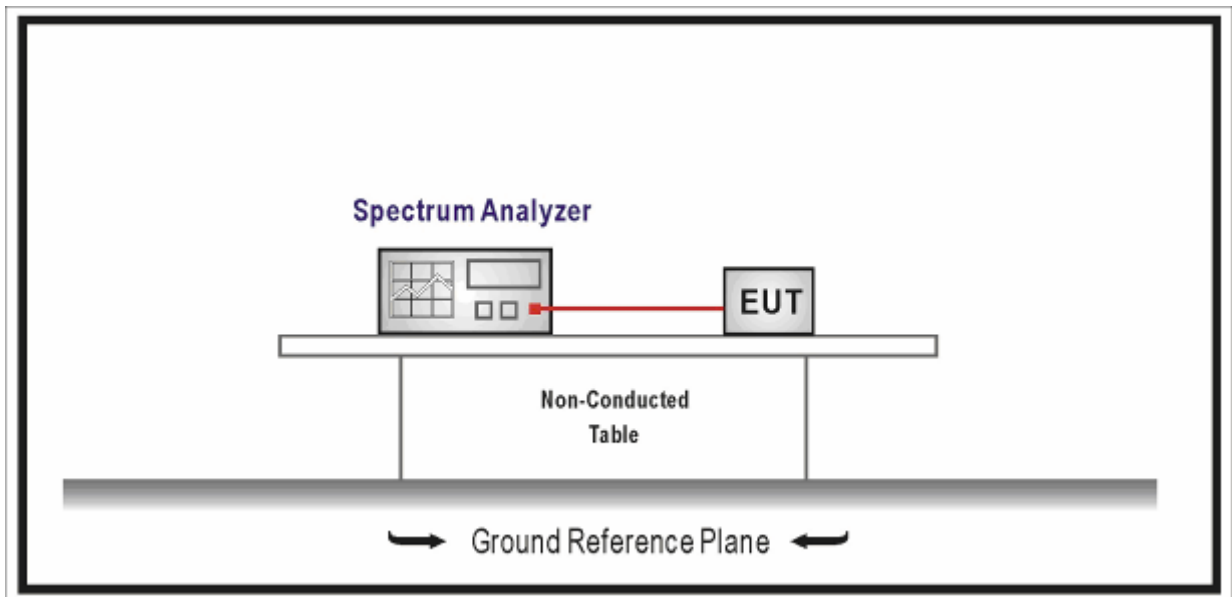
6. 6dB bandwidth

6.1. Test Equipment

| 6dB bandwidth / TR-8 | | | | | |
|----------------------------|--------------|----------|------------|------------|---------------|
| Instrument | Manufacturer | Type No. | Serial No. | Cal. Date | Cal. Due Date |
| Spectrum Analyzer | Agilent | N9010A | MY48030494 | 2020.02.04 | 2021.02.03 |
| EXA Spectrum Analyzer | Keysight | N9010A | MY55370495 | 2020.04.09 | 2021.04.08 |
| MXA Signal Analyzer | Keysight | N9020A | MY56060147 | 2020.04.09 | 2021.04.08 |
| Temperature/Humidity Meter | zhichen | ZC1-2 | TR8-TH | 2020.04.10 | 2021.04.09 |

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

6.2. Test Setup



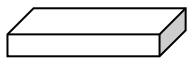
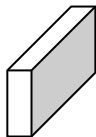
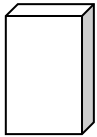
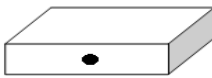



6.3. Limit

>500kHz

6.4. Test Procedure

| Test Method | | | |
|-------------------------------------|---|---------|---|
| | References Rule | Chapter | Description |
| <input type="checkbox"/> | ANSI C63.10 | 12.4 | Emission bandwidth and occupied bandwidth |
| | <input type="checkbox"/> ANSI C63.10 | 12.4.1 | Emission bandwidth (26dB) |
| | <input type="checkbox"/> ANSI C63.10 | 12.4.2 | Occupied bandwidth (99%) |
| <input checked="" type="checkbox"/> | FCC KDB 789033 D02v02r01 | C | Bandwidth Measurement |
| | <input type="checkbox"/> FCC KDB 789033 D02v02r01 | C.1 | Emission Bandwidth (26dB) |
| | <input checked="" type="checkbox"/> FCC KDB 789033 D02v02r01 | C.2 | Minimum Emission Bandwidth for the band 5.725-5.85 GHz (6dB) |
| <input type="checkbox"/> | FCC KDB 789033 D02v02r01 | D | 99 Percent Occupied Bandwidth |

6.5. EUT test Axis definition

| Item | 6dB bandwidth | | | |
|-----------------|--|--|--|--|
| Device Category | <input checked="" type="checkbox"/> | Indoor use | | |
| | <input type="checkbox"/> | Outdoor use | | |
| | <input type="checkbox"/> | Fix position use | | |
| | <input type="checkbox"/> | Client use | | |
| Test mode | Mode 1-10 | | | |
| Test method | <input type="checkbox"/> | Radiated | | |
| | | X Axis | Y Axis | Z Axis |
| | |  |  |  |
| | | Worst Axis <input type="checkbox"/> | Worst Axis <input type="checkbox"/> | Worst Axis <input type="checkbox"/> |
| | <input checked="" type="checkbox"/> | Conducted | | |
| | <input checked="" type="checkbox"/> | Chain 1 | | |
| | |  | | |
| | <input checked="" type="checkbox"/> | Chain 1 | Chain 2 | |
| | |  | | |
| | <input type="checkbox"/> | Chain 1 | Chain 2 | Chain 3 |
| | |  | | |
| | <input checked="" type="checkbox"/> | Chain 1 | Chain 2 | Chain 3 |
| |  | | | |

6.6. Test Result

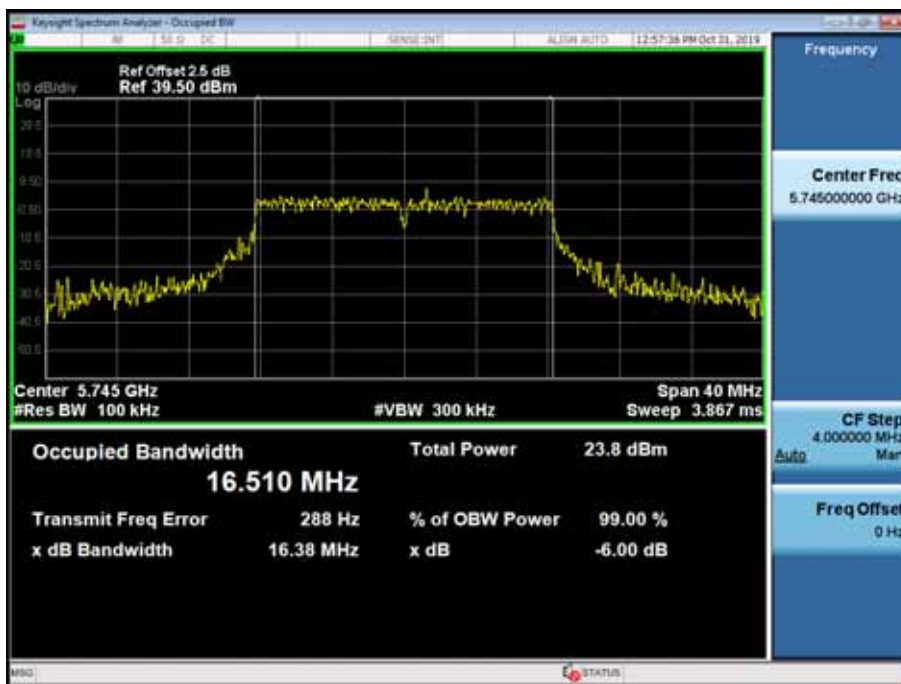
| | | | |
|--------------|-------------------------|---------------|----------------|
| Product Name | : Wireless Access Point | Power | : AC 120V/60Hz |
| Test Mode | : Mode 1~10 | Test Site | : TR8 |
| Test Date | : 2019.11.12 | Test Engineer | : Simon |

| Mode 1: Transmit by 802.11a | | | | |
|--|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (kHz) | Result |
| 149 | 5745 | 16.38 | >500 | Pass |
| 157 | 5785 | 16.52 | | Pass |
| 165 | 5825 | 16.49 | | Pass |
| Mode 2: Transmit by 802.11n(20MHz) | | | | |
| Channel No. | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (kHz) | Result |
| 149 | 5745 | 17.59 | >500 | Pass |
| 157 | 5785 | 17.62 | | Pass |
| 165 | 5825 | 17.10 | | Pass |
| Mode 3: Transmit by 802.11n(40MHz) | | | | |
| Channel No. | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (kHz) | Result |
| 151 | 5755 | 36.14 | >500 | Pass |
| 159 | 5795 | 35.01 | | Pass |
| Mode 4: Transmit by 802.11ac(20MHz) | | | | |
| Channel No. | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (kHz) | Result |
| 149 | 5745 | 17.75 | >500 | Pass |
| 157 | 5785 | 17.58 | | Pass |
| 165 | 5825 | 17.17 | | Pass |

| Mode 5: Transmit by 802.11ac(40MHz) | | | | |
|--|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (kHz) | Result |
| 151 | 5755 | 36.13 | >500 | Pass |
| 159 | 5795 | 36.13 | | Pass |
| Mode 6: Transmit by 802.11ac(80MHz) | | | | |
| Channel No. | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (kHz) | Result |
| 155 | 5775 | 74.58 | >500 | Pass |
| Mode 7: Transmit by 802.11ax(20MHz) | | | | |
| Channel No. | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (kHz) | Result |
| 149 | 5745 | 18.79 | >500 | Pass |
| 157 | 5785 | 19.00 | | Pass |
| 165 | 5825 | 19.11 | | Pass |
| Mode 8: Transmit by 802.11ax(40MHz) | | | | |
| Channel No. | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (kHz) | Result |
| 151 | 5755 | 36.40 | >500 | Pass |
| 159 | 5795 | 37.09 | | Pass |
| Mode 9: Transmit by 802.11ax(80MHz) | | | | |
| Channel No. | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (kHz) | Result |
| 155 | 5775 | 76.66 | >500 | Pass |

The worst case of 6dB Bandwidth as below:

Mode 1: CH149 (5745MHz)



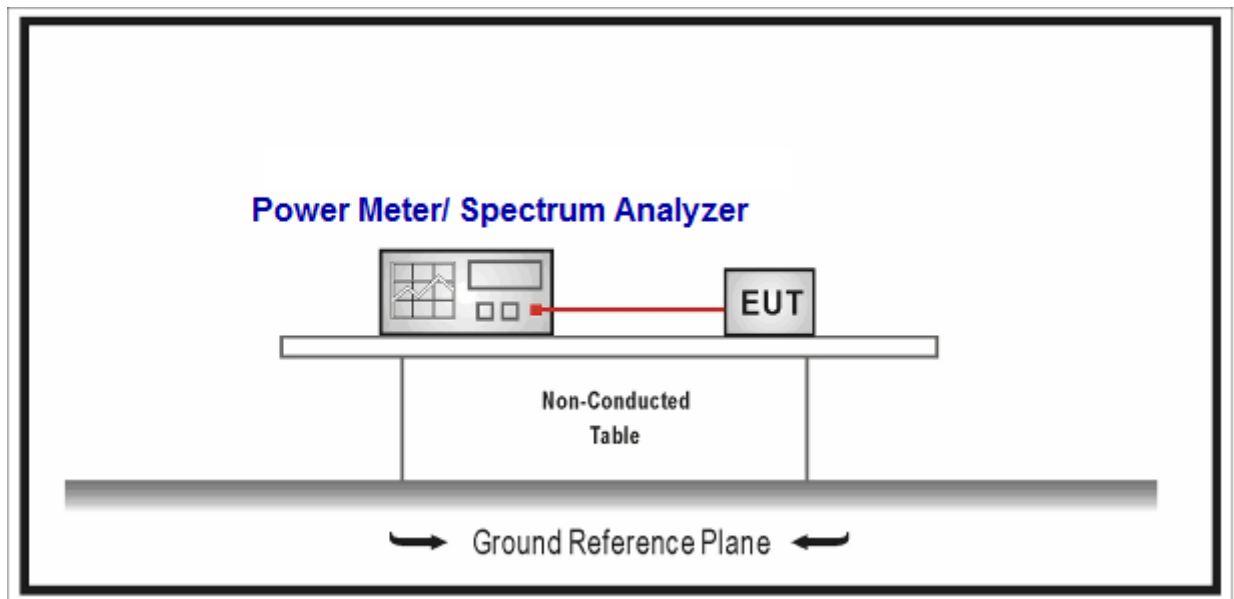
7. Power Output

7.1. Test Equipment

| Power Output / TR-8 | | | | | |
|----------------------------|--------------|----------|------------|------------|---------------|
| Instrument | Manufacturer | Type No. | Serial No. | Cal. Date | Cal. Due Date |
| Spectrum Analyzer | Agilent | E4446A | MY45300103 | 2020.01.04 | 2021.01.03 |
| Spectrum Analyzer | Agilent | N9010A | MY48030494 | 2020.02.04 | 2021.02.03 |
| Wideband Peak Power Meter | Anritsu | ML2495A | 0905006 | 2019.10.14 | 2020.10.13 |
| Power Sensor | Anritsu | MA2411B | 0846014 | 2019.10.14 | 2020.10.13 |
| Temperature/Humidity Meter | zhicheng | ZC1-2 | TR8-TH | 2020.04.10 | 2021.04.09 |

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

7.2. Test Setup



7.3. Limit

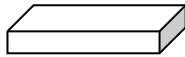
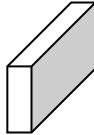
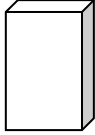
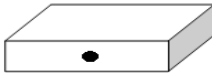



| Fundamental emission output power Limit | |
|--|--|
| <input checked="" type="checkbox"/> | For the band 5.15-5.25 GHz |
| <input type="checkbox"/> | Outdoor access point: the maximum conducted output power shall not exceed 1 W. If $G_{TX} > 6\text{dBi}$, then $P_{out} = 30 - (G_{TX} - 6)$ and 125mW at any angle above 30 degrees |
| <input checked="" type="checkbox"/> | Indoor access point: the maximum conducted output power shall not exceed 1 W. If $G_{TX} > 6\text{dBi}$, then $P_{out} = 30 - (G_{TX} - 6)$ |
| <input type="checkbox"/> | Fixed point-to-point access points: the maximum conducted output power shall not exceed 1 W. If $G_{TX} > 23\text{dBi}$, then $P_{out} = 30 - (G_{TX} - 23)$ |
| <input type="checkbox"/> | Mobile and portable client devices: the maximum conducted output power shall not exceed 250mW. If $G_{TX} > 6\text{dBi}$, then $P_{out} = 24 - (G_{TX} - 6)$ |
| <input checked="" type="checkbox"/> | For the band 5.25-5.35 GHz: |
| <input checked="" type="checkbox"/> | The maximum conducted output power shall not exceed 250mW or $11\text{dBm} + 10 \text{Log B}$, where B is the 26dB emission bandwidth in MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} = \text{The lesser of } 24 \text{ or } 11\text{dBm} + 10 \text{Log B} - (G_{TX} - 6)$ |
| <input checked="" type="checkbox"/> | For the 5.47-5.725 GHz: |
| <input checked="" type="checkbox"/> | The maximum conducted output power shall not exceed 250mW or $11\text{dBm} + 10 \text{Log B}$, where B is the 26dB emission bandwidth in MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} = \text{The lesser of } 24 \text{ or } 11\text{dBm} + 10 \text{Log B} - (G_{TX} - 6)$ |
| <input checked="" type="checkbox"/> | For the band 5.725-5.85 GHz: |
| <input checked="" type="checkbox"/> | Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6 \text{ dBi}$, then $P_{Out} = 30 - (G_{TX} - 6)$ |
| <input type="checkbox"/> | Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W |
| <p>Note 1 : G_{TX} directional gain of transmitting antennas.</p> <p>Note 2 : P_{out} is maximum peak conducted output power .</p> | |

7.4. Test Procedure

| Fundamental emission output power Test Method | | | | |
|---|-------------------------------------|-------------|----------|---|
| | References Rule | | Chapter | Description |
| <input checked="" type="checkbox"/> | ANSI C63.10 | | 12.3 | Maximum conducted output power |
| | <input checked="" type="checkbox"/> | ANSI C63.10 | 12.3.2 | Maximum conducted output power measurement using a spectrum analyzer (SA) or EMI receiver |
| | <input type="checkbox"/> | ANSI C63.10 | 12.3.2.2 | Method SA-1 |
| | <input type="checkbox"/> | ANSI C63.10 | 12.3.2.3 | Method SA-1A (alternative) |
| | <input checked="" type="checkbox"/> | ANSI C63.10 | 12.3.2.4 | Method SA-2 |
| | <input type="checkbox"/> | ANSI C63.10 | 12.3.2.5 | Method SA-2A (alternative) |
| | <input type="checkbox"/> | ANSI C63.10 | 12.3.2.6 | Method SA-3 |
| | <input type="checkbox"/> | ANSI C63.10 | 12.3.2.7 | Method SA-3A (alternative) |
| | <input checked="" type="checkbox"/> | ANSI C63.10 | 12.3.3 | Maximum conducted output power using a power meter |
| | <input type="checkbox"/> | ANSI C63.10 | 12.3.3.1 | Method PM |
| | <input checked="" type="checkbox"/> | ANSI C63.10 | 12.3.3.2 | Method PM-G |

| Directional Gain Calculations for In-Band test method | | | | |
|---|-------------------------------------|-------------|-------------|---|
| | References | Rule | Chapter | Description |
| <input type="checkbox"/> | KDB 662911 | | F2)a) | Basic methodology |
| | <input type="checkbox"/> | KDB 662911 | F2)a) (i) | transmit signals are correlated |
| | <input type="checkbox"/> | KDB 662911 | F2)a) (ii) | transmit signals are uncorrelated |
| <input type="checkbox"/> | KDB 662911 | | F2)b) | Sectorized antenna systems. |
| <input type="checkbox"/> | KDB 662911 | | F2)c) | Cross-polarized antennas |
| | <input type="checkbox"/> | ANSI C63.10 | F2)c) (i) | Cross-polarized antennas |
| | <input type="checkbox"/> | ANSI C63.10 | F2)c) (ii) | Multiple antennas |
| <input checked="" type="checkbox"/> | KDB 662911 | | F2)e) | Spatial stream |
| | <input type="checkbox"/> | KDB 662911 | F2)e) (i) | Antennas have the same gain |
| | <input type="checkbox"/> | KDB 662911 | F2)e) (ii) | Antenna have the different gain with one spatial stream |
| | <input checked="" type="checkbox"/> | KDB 662911 | F2)e) (iii) | Antenna have the different gain with more than one spatial stream |
| <input checked="" type="checkbox"/> | KDB 662911 | | F2)f) | Cyclic Delay Diversity (CDD) |
| | <input type="checkbox"/> | KDB 662911 | F2)f) (i) | Antennas have the same gain |
| | <input type="checkbox"/> | KDB 662911 | F2)f) (ii) | Antenna have the different gain with one spatial stream |
| | <input checked="" type="checkbox"/> | KDB 662911 | F2)f) (iii) | Antenna have the different gain with more than one spatial stream |

7.5. EUT test Axis definition

| Item | output power | | | |
|-------------------------------------|--|--|--|--|
| Device Category | <input checked="" type="checkbox"/> | Indoor use | | |
| | <input type="checkbox"/> | Outdoor use | | |
| | <input type="checkbox"/> | Fix position use | | |
| | <input type="checkbox"/> | Client use | | |
| Test mode | Mode 1-10 | | | |
| Test method | <input type="checkbox"/> | Radiated | | |
| | | X Axis | Y Axis | Z Axis |
| | |  |  |  |
| | | Worst Axis <input type="checkbox"/> | Worst Axis <input type="checkbox"/> | Worst Axis <input type="checkbox"/> |
| | <input checked="" type="checkbox"/> | Conducted | | |
| | <input checked="" type="checkbox"/> | Chain 1 | | |
| | |  | | |
| | <input checked="" type="checkbox"/> | Chain 1 | Chain 2 | |
| | |  | | |
| | <input type="checkbox"/> | Chain 1 | Chain 2 | Chain 3 |
| |  | | | |
| <input checked="" type="checkbox"/> | Chain 1 | Chain 2 | Chain 3 | Chain 4 |
| |  | | | |

7.6. Test Result

Pass

The test data please refer to the files attached.

Appendix 4: 5GHz FCC&ISED RF output power

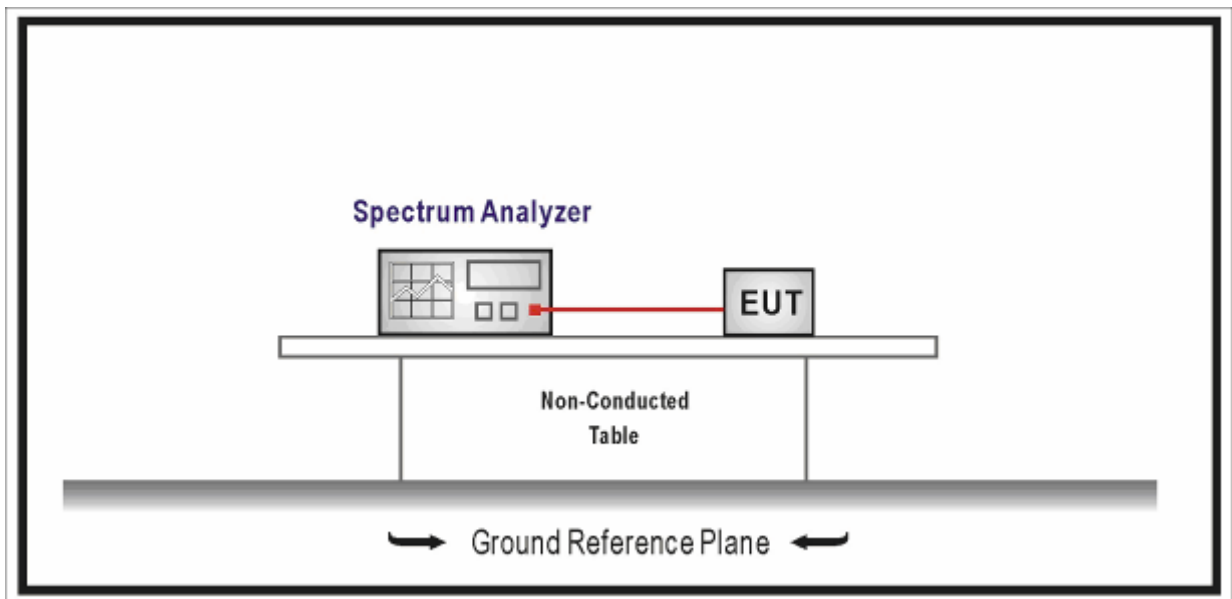
8. Peak Power Spectral Density

8.1. Test Equipment

| Peak Power Spectral Density / TR-8 | | | | | |
|------------------------------------|--------------|----------|------------|------------|---------------|
| Instrument | Manufacturer | Type No. | Serial No. | Cal. Date | Cal. Due Date |
| Spectrum Analyzer | Agilent | N9010A | MY48030494 | 2020.02.04 | 2021.02.03 |
| EXA Spectrum Analyzer | Keysight | N9010A | MY55370495 | 2020.04.09 | 2021.04.08 |
| MXA Signal Analyzer | Keysight | N9020A | MY56060147 | 2020.04.09 | 2021.04.08 |
| Temperature/Humidity Meter | zhichen | ZC1-2 | TR8-TH | 2020.04.10 | 2021.04.09 |

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

8.2. Test Setup



8.3. Limit

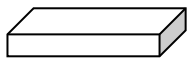
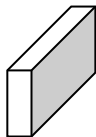
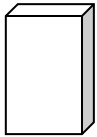


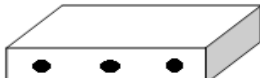

| Fundamental emission output power Limit | |
|---|--|
| <input checked="" type="checkbox"/> | For the band 5.15-5.25 GHz |
| <input type="checkbox"/> | Outdoor access point: the maximum power spectral density shall not exceed 17 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} = 17 - (G_{TX} - 6)$ |
| <input checked="" type="checkbox"/> | Indoor access point: the maximum power spectral density shall not exceed 17 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} = 17 - (G_{TX} - 6)$ |
| <input type="checkbox"/> | Fixed point-to-point access points: the maximum power spectral density shall not exceed 17 dBm/MHz. If $G_{TX} > 23\text{dBi}$, then $P_{out} = 17 - (G_{TX} - 23)$ |
| <input type="checkbox"/> | Mobile and portable client devices: the maximum power spectral density shall not exceed 11 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} = 11 - (G_{TX} - 6)$ |
| <input checked="" type="checkbox"/> | For the 5.25-5.35 GHz: |
| <input checked="" type="checkbox"/> | the maximum power spectral density shall not exceed 11 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} = 11 - (G_{TX} - 6)$ |
| <input checked="" type="checkbox"/> | For the 5.47-5.725 GHz: |
| <input checked="" type="checkbox"/> | the maximum power spectral density shall not exceed 11 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} = 11 - (G_{TX} - 6)$ |
| <input checked="" type="checkbox"/> | For the band 5.725-5.85 GHz: |
| <input checked="" type="checkbox"/> | the maximum power spectral density shall not exceed 30 dBm/500KHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} = 30 - (G_{TX} - 6)$ |
| Note 1: G_{TX} directional gain of transmitting antennas. | |
| Note 2: P_{out} is maximum peak conducted output power. | |

| Directional Gain Calculations for In-Band test method | | | | |
|---|-------------------------------------|-------------|-------------|---|
| | References | Rule | Chapter | Description |
| <input type="checkbox"/> | KDB 662911 | | F2)a) | Basic methodology |
| | <input type="checkbox"/> | KDB 662911 | F2)a) (i) | transmit signals are correlated |
| | <input type="checkbox"/> | KDB 662911 | F2)a) (ii) | transmit signals are uncorrelated |
| <input type="checkbox"/> | KDB 662911 | | F2)b) | Sectorized antenna systems. |
| <input type="checkbox"/> | KDB 662911 | | F2)c) | Cross-polarized antennas |
| | <input type="checkbox"/> | ANSI C63.10 | F2)c) (i) | Cross-polarized antennas |
| | <input type="checkbox"/> | ANSI C63.10 | F2)c) (ii) | Multiple antennas |
| <input checked="" type="checkbox"/> | KDB 662911 | | F2)e) | Spatial stream |
| | <input type="checkbox"/> | KDB 662911 | F2)e) (i) | Antennas have the same gain |
| | <input type="checkbox"/> | KDB 662911 | F2)e) (ii) | Antenna have the different gain with one spatial stream |
| | <input checked="" type="checkbox"/> | KDB 662911 | F2)e) (iii) | Antenna have the different gain with more than one spatial stream |
| <input checked="" type="checkbox"/> | KDB 662911 | | F2)f) | Cyclic Delay Diversity (CDD) |
| | <input type="checkbox"/> | KDB 662911 | F2)f) (i) | Antennas have the same gain |
| | <input type="checkbox"/> | KDB 662911 | F2)f) (ii) | Antenna have the different gain with one spatial stream |
| | <input checked="" type="checkbox"/> | KDB 662911 | F2)f) (iii) | Antenna have the different gain with more than one spatial stream |

8.4. Test Procedure

| Fundamental emission output power Test Method | | | |
|---|--------------------------|---------|--------------------------------------|
| | References Rule | Chapter | Description |
| <input checked="" type="checkbox"/> | ANSI C63.10 | 12.5 | Peak power spectral density |
| <input checked="" type="checkbox"/> | FCC KDB 789033 D02v02r01 | F | Maximum Power Spectral Density (PSD) |

8.5. EUT test Axis definition

| Item | Power Spectral Density | | | | |
|-----------------|-------------------------------------|--|--|--|---------|
| Device Category | <input checked="" type="checkbox"/> | Indoor use | | | |
| | <input type="checkbox"/> | Outdoor use | | | |
| | <input type="checkbox"/> | Fix position use | | | |
| | <input type="checkbox"/> | Client use | | | |
| Test mode | Mode 1-10 | | | | |
| Test method | <input type="checkbox"/> | Radiated | | | |
| | | X Axis | Y Axis | Z Axis | |
| | |  |  |  | |
| | | Worst Axis <input type="checkbox"/> | Worst Axis <input type="checkbox"/> | Worst Axis <input type="checkbox"/> | |
| | <input checked="" type="checkbox"/> | Conducted | | | |
| | <input checked="" type="checkbox"/> | Chain 1 | | | |
| | |  | | | |
| | <input checked="" type="checkbox"/> | Chain 1 | Chain 2 | | |
| | |  | | | |
| | <input type="checkbox"/> | Chain 1 | Chain 2 | Chain 3 | |
| | |  | | | |
| | <input checked="" type="checkbox"/> | Chain 1 | Chain 2 | Chain 3 | Chain 4 |
| | |  | | | |

8.6. Test Result

| | | | |
|--------------|-------------------------|---------------|----------------|
| Product Name | : Wireless Access Point | Power | : AC 120V/60Hz |
| Test Mode | : Mode 1~10 | Test Site | : TR8 |
| Test Date | : 2019.11.18 | Test Engineer | : Simon |

Radio 1:

| Mode 1: Transmit by 802.11a with SISO | | | | | | |
|---------------------------------------|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 6.793 | 0.237 | 7.030 | 17 | Pass |
| CH44 | 5220 | 7.070 | 0.237 | 7.307 | 17 | Pass |
| CH48 | 5240 | 7.033 | 0.237 | 7.270 | 17 | Pass |
| CH52 | 5260 | 8.629 | 0.237 | 8.866 | 11 | Pass |
| CH60 | 5300 | 8.178 | 0.237 | 8.415 | 11 | Pass |
| CH64 | 5320 | 8.395 | 0.237 | 8.632 | 11 | Pass |
| CH100 | 5500 | 8.522 | 0.237 | 8.759 | 11 | Pass |
| CH116 | 5580 | 7.356 | 0.237 | 7.593 | 11 | Pass |
| CH140 | 5700 | 6.623 | 0.237 | 6.860 | 11 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 5.196 | 0.237 | 5.433 | 30 | Pass |
| CH157 | 5785 | 4.000 | 0.237 | 4.237 | 30 | Pass |
| CH165 | 5825 | 2.714 | 0.237 | 2.951 | 30 | Pass |

| Mode 2: Transmit by 802.11n(20MHz) with SISO | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 7.505 | 0.231 | 7.736 | 17 | Pass |
| CH44 | 5220 | 7.165 | 0.231 | 7.396 | 17 | Pass |
| CH48 | 5240 | 6.911 | 0.231 | 7.142 | 17 | Pass |
| CH52 | 5260 | 8.240 | 0.231 | 8.471 | 11 | Pass |
| CH60 | 5300 | 8.003 | 0.231 | 8.234 | 11 | Pass |
| CH64 | 5320 | 8.272 | 0.231 | 8.503 | 11 | Pass |
| CH100 | 5500 | 8.166 | 0.231 | 8.397 | 11 | Pass |
| CH116 | 5580 | 6.700 | 0.231 | 6.931 | 11 | Pass |
| CH140 | 5700 | 7.445 | 0.231 | 7.676 | 11 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 5.290 | 0.231 | 5.521 | 30 | Pass |
| CH157 | 5785 | 4.047 | 0.231 | 4.278 | 30 | Pass |
| CH165 | 5825 | 3.169 | 0.231 | 3.400 | 30 | Pass |

| Mode 3: Transmit by 802.11n(40MHz) with SISO | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | 3.219 | 0.598 | 3.817 | 17 | Pass |
| CH46 | 5230 | 1.681 | 0.598 | 2.279 | 17 | Pass |
| CH54 | 5270 | 5.525 | 0.598 | 6.123 | 11 | Pass |
| CH62 | 5310 | 5.447 | 0.598 | 6.045 | 11 | Pass |
| CH102 | 5510 | 3.380 | 0.598 | 3.978 | 11 | Pass |
| CH134 | 5670 | 3.393 | 0.598 | 3.991 | 11 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | -1.842 | 0.598 | -1.244 | 30 | Pass |
| CH159 | 5795 | 0.486 | 0.598 | 1.084 | 30 | Pass |

| Mode 4: Transmit by 802.11ac(20MHz) with SISO | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 9.339 | 0.090 | 9.429 | 17 | Pass |
| CH44 | 5220 | 8.645 | 0.090 | 8.735 | 17 | Pass |
| CH48 | 5240 | 8.810 | 0.090 | 8.900 | 17 | Pass |
| CH52 | 5260 | 8.382 | 0.090 | 8.472 | 11 | Pass |
| CH60 | 5300 | 8.778 | 0.090 | 8.868 | 11 | Pass |
| CH64 | 5320 | 8.933 | 0.090 | 9.023 | 11 | Pass |
| CH100 | 5500 | 8.310 | 0.090 | 8.400 | 11 | Pass |
| CH116 | 5580 | 8.105 | 0.090 | 8.195 | 11 | Pass |
| CH140 | 5700 | 7.348 | 0.090 | 7.438 | 11 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 6.090 | 0.090 | 6.180 | 30 | Pass |
| CH157 | 5785 | 5.426 | 0.090 | 5.516 | 30 | Pass |
| CH165 | 5825 | 5.070 | 0.090 | 5.160 | 30 | Pass |

| Mode 5: Transmit by 802.11ac(40MHz) with SISO | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | 5.304 | 0.297 | 5.601 | 17 | Pass |
| CH46 | 5230 | 5.383 | 0.297 | 5.680 | 17 | Pass |
| CH54 | 5270 | 5.178 | 0.297 | 5.475 | 11 | Pass |
| CH62 | 5310 | 5.452 | 0.297 | 5.749 | 11 | Pass |
| CH102 | 5510 | 4.976 | 0.297 | 5.273 | 11 | Pass |
| CH134 | 5670 | 4.139 | 0.297 | 4.436 | 11 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | 3.540 | 0.297 | 3.837 | 30 | Pass |
| CH159 | 5795 | 2.631 | 0.297 | 2.928 | 30 | Pass |

| Mode 6: Transmit by 802.11ac(80MHz) with SISO | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | 1.568 | 0.572 | 2.140 | 17 | Pass |
| CH58 | 5290 | 2.823 | 0.572 | 3.395 | 11 | Pass |
| CH106 | 5530 | 2.287 | 0.572 | 2.859 | 11 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH155 | 5775 | -0.967 | 0.572 | -0.395 | 30 | Pass |

| Mode 7: Transmit by 802.11ax(20MHz) with SISO | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 9.605 | 0.130 | 9.735 | 17 | Pass |
| CH44 | 5220 | 8.543 | 0.130 | 8.673 | 17 | Pass |
| CH48 | 5240 | 8.379 | 0.130 | 8.509 | 17 | Pass |
| CH52 | 5260 | 8.355 | 0.130 | 8.485 | 11 | Pass |
| CH60 | 5300 | 8.902 | 0.130 | 9.032 | 11 | Pass |
| CH64 | 5320 | 8.501 | 0.130 | 8.631 | 11 | Pass |
| CH100 | 5500 | 8.013 | 0.130 | 8.143 | 11 | Pass |
| CH116 | 5580 | 7.958 | 0.130 | 8.088 | 11 | Pass |
| CH140 | 5700 | 7.390 | 0.130 | 7.520 | 11 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 5.802 | 0.130 | 5.932 | 30 | Pass |
| CH157 | 5785 | 5.233 | 0.130 | 5.363 | 30 | Pass |
| CH165 | 5825 | 4.847 | 0.130 | 4.977 | 30 | Pass |

| Mode 8: Transmit by 802.11ax(40MHz) with SISO | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | 5.678 | 0.419 | 6.097 | 17 | Pass |
| CH46 | 5230 | 5.635 | 0.419 | 6.054 | 17 | Pass |
| CH54 | 5270 | 5.155 | 0.419 | 5.574 | 11 | Pass |
| CH62 | 5310 | 5.257 | 0.419 | 5.676 | 11 | Pass |
| CH102 | 5510 | 4.924 | 0.419 | 5.343 | 11 | Pass |
| CH134 | 5670 | 4.214 | 0.419 | 4.633 | 11 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | 3.256 | 0.419 | 3.675 | 30 | Pass |
| CH159 | 5795 | 2.590 | 0.419 | 3.009 | 30 | Pass |

| Mode 9: Transmit by 802.11ax(80MHz) with SISO | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | 1.815 | 0.733 | 2.548 | 17 | Pass |
| CH58 | 5290 | 2.546 | 0.733 | 3.279 | 11 | Pass |
| CH106 | 5530 | 2.716 | 0.733 | 3.449 | 11 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH155 | 5775 | -1.791 | 0.733 | -1.058 | 30 | Pass |

Radio 2:

| Mode 1: Transmit by 802.11a with SISO | | | | | | |
|--|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 7.651 | 0.247 | 7.898 | 17 | Pass |
| CH44 | 5220 | 8.614 | 0.247 | 8.861 | 17 | Pass |
| CH48 | 5240 | 7.218 | 0.247 | 7.465 | 17 | Pass |
| CH52 | 5260 | 7.762 | 0.247 | 8.009 | 11 | Pass |
| CH60 | 5300 | 7.226 | 0.247 | 7.473 | 11 | Pass |
| CH64 | 5320 | 7.194 | 0.247 | 7.441 | 11 | Pass |

| Mode 1: Transmit by 802.11a with 2*2 CDD | | | | | | |
|---|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 5.235 | 0.247 | 5.482 | 12.28 | Pass |
| CH44 | 5220 | 8.132 | 0.247 | 8.379 | 12.28 | Pass |
| CH48 | 5240 | 8.166 | 0.247 | 8.413 | 12.28 | Pass |
| CH52 | 5260 | 5.818 | 0.247 | 6.065 | 6.28 | Pass |
| CH60 | 5300 | 5.413 | 0.247 | 5.660 | 6.28 | Pass |
| CH64 | 5320 | 5.418 | 0.247 | 5.665 | 6.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(2) – (4.7 + 10Log(2) - 6)

Mode 2: Transmit by 802.11n(20MHz)with SISO

| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|-------------|-----------------|--|-------------|---------------------------------|-----------------|--------|
| | | Worst Chain | | | | |
| CH36 | 5180 | 7.367 | 0.242 | 7.609 | 17 | Pass |
| CH44 | 5220 | 7.856 | 0.242 | 8.098 | 17 | Pass |
| CH48 | 5240 | 7.139 | 0.242 | 7.381 | 17 | Pass |
| CH52 | 5260 | 7.374 | 0.242 | 7.616 | 11 | Pass |
| CH60 | 5300 | 6.582 | 0.242 | 6.824 | 11 | Pass |
| CH64 | 5320 | 7.344 | 0.242 | 7.586 | 11 | Pass |

Mode 2: Transmit by 802.11n(20MHz)with 2*2 CDD

| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|-------------|-----------------|--|-------------|---------------------------------|-----------------|--------|
| | | Worst Chain | | | | |
| CH36 | 5180 | 4.919 | 0.242 | 5.161 | 12.28 | Pass |
| CH44 | 5220 | 7.498 | 0.242 | 7.740 | 12.28 | Pass |
| CH48 | 5240 | 7.284 | 0.242 | 7.526 | 12.28 | Pass |
| CH52 | 5260 | 5.474 | 0.242 | 5.716 | 6.28 | Pass |
| CH60 | 5300 | 5.956 | 0.242 | 6.198 | 6.28 | Pass |
| CH64 | 5320 | 5.250 | 0.242 | 5.492 | 6.28 | Pass |

Mode 2: Transmit by 802.11n(20MHz)with 2*2 Beamforming

| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|-------------|-----------------|--|-------------|---------------------------------|-----------------|--------|
| | | Worst Chain | | | | |
| CH36 | 5180 | 3.988 | 0.244 | 4.232 | 12.28 | Pass |
| CH44 | 5220 | 7.108 | 0.244 | 7.352 | 12.28 | Pass |
| CH48 | 5240 | 6.949 | 0.244 | 7.193 | 12.28 | Pass |
| CH52 | 5260 | 4.673 | 0.244 | 4.917 | 6.28 | Pass |
| CH60 | 5300 | 4.722 | 0.244 | 4.966 | 6.28 | Pass |
| CH64 | 5320 | 5.064 | 0.244 | 5.308 | 6.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(2) – (4.7 + 10Log(2) - 6)

| Mode 3: Transmit by 802.11n(40MHz)with SISO | | | | | | |
|--|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | 3.497 | 0.585 | 4.082 | 17 | Pass |
| CH46 | 5230 | 4.322 | 0.585 | 4.907 | 17 | Pass |
| CH54 | 5270 | 3.920 | 0.585 | 4.505 | 11 | Pass |
| CH62 | 5310 | 4.755 | 0.585 | 5.340 | 11 | Pass |

| Mode 3: Transmit by 802.11n(40MHz)with 2*2 CDD | | | | | | |
|---|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | 1.077 | 0.585 | 1.662 | 12.28 | Pass |
| CH46 | 5230 | 5.186 | 0.585 | 5.771 | 12.28 | Pass |
| CH54 | 5270 | 2.285 | 0.585 | 2.870 | 6.28 | Pass |
| CH62 | 5310 | 2.808 | 0.585 | 3.393 | 6.28 | Pass |

| Mode 3: Transmit by 802.11n(40MHz)with 2*2 Beamforming | | | | | | |
|---|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | -0.077 | 0.601 | 0.524 | 12.28 | Pass |
| CH46 | 5230 | 4.504 | 0.601 | 5.105 | 12.28 | Pass |
| CH54 | 5270 | 1.224 | 0.601 | 1.825 | 6.28 | Pass |
| CH62 | 5310 | -0.058 | 0.601 | 0.543 | 6.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(2) – (4.7 + 10Log(2) - 6)

Mode 4: Transmit by 802.11ac(20MHz)with SISO

| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|-------------|-----------------|--|-------------|---------------------------------|-----------------|--------|
| | | Worst Chain | | | | |
| CH36 | 5180 | 7.301 | 0.090 | 7.391 | 17 | Pass |
| CH44 | 5220 | 8.160 | 0.090 | 8.250 | 17 | Pass |
| CH48 | 5240 | 7.794 | 0.090 | 7.884 | 17 | Pass |
| CH52 | 5260 | 7.355 | 0.090 | 7.445 | 11 | Pass |
| CH60 | 5300 | 7.823 | 0.090 | 7.913 | 11 | Pass |
| CH64 | 5320 | 7.775 | 0.090 | 7.865 | 11 | Pass |

Mode 4: Transmit by 802.11ac(20MHz)with 2*2 CDD

| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|-------------|-----------------|--|-------------|---------------------------------|-----------------|--------|
| | | Worst Chain | | | | |
| CH36 | 5180 | 5.200 | 0.090 | 5.290 | 12.28 | Pass |
| CH44 | 5220 | 8.212 | 0.090 | 8.302 | 12.28 | Pass |
| CH48 | 5240 | 7.172 | 0.090 | 7.262 | 12.28 | Pass |
| CH52 | 5260 | 5.924 | 0.090 | 6.014 | 6.28 | Pass |
| CH60 | 5300 | 5.891 | 0.090 | 5.981 | 6.28 | Pass |
| CH64 | 5320 | 5.332 | 0.090 | 5.422 | 6.28 | Pass |

Mode 4: Transmit by 802.11ac(20MHz)with 2*2 Beamforming

| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|-------------|-----------------|--|-------------|---------------------------------|-----------------|--------|
| | | Worst Chain | | | | |
| CH36 | 5180 | 4.339 | 0.090 | 4.429 | 12.28 | Pass |
| CH44 | 5220 | 7.540 | 0.090 | 7.630 | 12.28 | Pass |
| CH48 | 5240 | 6.588 | 0.090 | 6.678 | 12.28 | Pass |
| CH52 | 5260 | 4.528 | 0.090 | 4.618 | 6.28 | Pass |
| CH60 | 5300 | 4.910 | 0.090 | 5.000 | 6.28 | Pass |
| CH64 | 5320 | 5.124 | 0.090 | 5.214 | 6.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(2) – (4.7 + 10Log(2) - 6)

Mode 5: Transmit by 802.11ac(40MHz)with SISO

| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|-------------|-----------------|--|-------------|---------------------------------|-----------------|--------|
| | | Worst Chain | | | | |
| CH38 | 5190 | 4.186 | 0.315 | 4.501 | 17 | Pass |
| CH46 | 5230 | 5.137 | 0.315 | 5.452 | 17 | Pass |
| CH54 | 5270 | 4.329 | 0.315 | 4.644 | 11 | Pass |
| CH62 | 5310 | 4.787 | 0.315 | 5.102 | 11 | Pass |

Mode 5: Transmit by 802.11ac(40MHz)with 2*2 CDD

| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|-------------|-----------------|--|-------------|---------------------------------|-----------------|--------|
| | | Worst Chain | | | | |
| CH38 | 5190 | 1.011 | 0.315 | 1.326 | 12.28 | Pass |
| CH46 | 5230 | 5.404 | 0.315 | 5.719 | 12.28 | Pass |
| CH54 | 5270 | 2.393 | 0.315 | 2.708 | 6.28 | Pass |
| CH62 | 5310 | 2.673 | 0.315 | 2.988 | 6.28 | Pass |

Mode 5: Transmit by 802.11ac(40MHz)with 2*2 Beamforming

| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|-------------|-----------------|--|-------------|---------------------------------|-----------------|--------|
| | | Worst Chain | | | | |
| CH38 | 5190 | 0.259 | 0.302 | 0.561 | 12.28 | Pass |
| CH46 | 5230 | 4.716 | 0.302 | 5.018 | 12.28 | Pass |
| CH54 | 5270 | 1.231 | 0.302 | 1.533 | 6.28 | Pass |
| CH62 | 5310 | 1.667 | 0.302 | 1.969 | 6.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(2) - (4.7 + 10Log(2) - 6)

| Mode 6: Transmit by 802.11ac(80MHz)with SISO | | | | | | |
|---|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | -0.515 | 0.599 | 0.084 | 17 | Pass |
| CH58 | 5290 | 1.571 | 0.599 | 2.170 | 11 | Pass |

| Mode 6: Transmit by 802.11ac(80MHz)with 2*2 CDD | | | | | | |
|--|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | -2.000 | 0.599 | -1.401 | 12.28 | Pass |
| CH58 | 5290 | -0.469 | 0.599 | 0.130 | 6.28 | Pass |

| Mode 6: Transmit by 802.11ac(80MHz)with 2*2 Beamforming | | | | | | |
|--|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | -2.585 | 0.599 | -1.986 | 12.28 | Pass |
| CH58 | 5290 | -1.018 | 0.599 | -0.419 | 6.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(2) – (4.7 + 10Log(2) - 6)

| Mode 7: Transmit by 802.11ax(20MHz)with SISO | | | | | | |
|---|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 7.431 | 0.116 | 7.547 | 17 | Pass |
| CH44 | 5220 | 8.498 | 0.116 | 8.614 | 17 | Pass |
| CH48 | 5240 | 7.016 | 0.116 | 7.132 | 17 | Pass |
| CH52 | 5260 | 7.382 | 0.116 | 7.498 | 11 | Pass |
| CH60 | 5300 | 7.821 | 0.116 | 7.937 | 11 | Pass |
| CH64 | 5320 | 7.880 | 0.116 | 7.996 | 11 | Pass |

| Mode 7: Transmit by 802.11ax(20MHz)with 2*2 CDD | | | | | | |
|--|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 4.753 | 0.116 | 4.869 | 12.28 | Pass |
| CH44 | 5220 | 8.265 | 0.116 | 8.381 | 12.28 | Pass |
| CH48 | 5240 | 7.561 | 0.116 | 7.677 | 12.28 | Pass |
| CH52 | 5260 | 5.523 | 0.116 | 5.639 | 6.28 | Pass |
| CH60 | 5300 | 5.994 | 0.116 | 6.110 | 6.28 | Pass |
| CH64 | 5320 | 5.762 | 0.116 | 5.878 | 6.28 | Pass |

| Mode 7: Transmit by 802.11ax(20MHz)with 2*2 Beamforming | | | | | | |
|--|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 4.838 | 0.130 | 4.968 | 12.28 | Pass |
| CH44 | 5220 | 8.071 | 0.130 | 8.201 | 12.28 | Pass |
| CH48 | 5240 | 6.844 | 0.130 | 6.974 | 12.28 | Pass |
| CH52 | 5260 | 4.477 | 0.130 | 4.607 | 6.28 | Pass |
| CH60 | 5300 | 4.793 | 0.130 | 4.923 | 6.28 | Pass |
| CH64 | 5320 | 5.094 | 0.130 | 5.224 | 6.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(2) – (4.7 + 10Log(2) - 6)

| Mode 8: Transmit by 802.11ax(40MHz)with SISO | | | | | | |
|---|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | 1.393 | 0.369 | 1.762 | 17 | Pass |
| CH46 | 5230 | 4.828 | 0.369 | 5.197 | 17 | Pass |
| CH54 | 5270 | 4.170 | 0.369 | 4.539 | 11 | Pass |
| CH62 | 5310 | 4.470 | 0.369 | 4.839 | 11 | Pass |

| Mode 8: Transmit by 802.11ax(40MHz)with 2*2 CDD | | | | | | |
|--|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | 1.059 | 0.369 | 1.428 | 12.28 | Pass |
| CH46 | 5230 | 5.100 | 0.369 | 5.469 | 12.28 | Pass |
| CH54 | 5270 | 2.564 | 0.369 | 2.933 | 6.28 | Pass |
| CH62 | 5310 | 2.444 | 0.369 | 2.813 | 6.28 | Pass |

| Mode 8: Transmit by 802.11ax(40MHz)with 2*2 Beamforming | | | | | | |
|--|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | 0.653 | 0.352 | 1.005 | 12.28 | Pass |
| CH46 | 5230 | 4.507 | 0.352 | 4.859 | 12.28 | Pass |
| CH54 | 5270 | 1.000 | 0.352 | 1.352 | 6.28 | Pass |
| CH62 | 5310 | 1.617 | 0.352 | 1.969 | 6.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(2) - (4.7 + 10Log(2) - 6)

| Mode 9: Transmit by 802.11ax(80MHz)with SISO | | | | | | |
|---|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | -0.283 | 0.733 | 0.450 | 17 | Pass |
| CH58 | 5290 | 2.061 | 0.733 | 2.794 | 11 | Pass |

| Mode 9: Transmit by 802.11ax(80MHz)with 2*2 CDD | | | | | | |
|--|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | -2.393 | 0.733 | -1.660 | 12.28 | Pass |
| CH58 | 5290 | 0.384 | 0.733 | 1.117 | 6.28 | Pass |

| Mode 9: Transmit by 802.11ax(80MHz)with 2*2 Beamforming | | | | | | |
|--|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | -1.710 | 0.699 | -1.011 | 12.28 | Pass |
| CH58 | 5290 | -0.943 | 0.699 | -0.244 | 6.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(2) – (4.7 + 10Log(2) - 6)

Radio 3:

| Mode 1: Transmit by 802.11a with 2*2 CDD | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 4.543 | 0.241 | 4.784 | 12.28 | Pass |
| CH44 | 5220 | 6.731 | 0.241 | 6.972 | 12.28 | Pass |
| CH48 | 5240 | 6.313 | 0.241 | 6.554 | 12.28 | Pass |
| CH52 | 5260 | 5.322 | 0.241 | 5.563 | 6.28 | Pass |
| CH60 | 5300 | 5.635 | 0.241 | 5.876 | 6.28 | Pass |
| CH64 | 5320 | 4.325 | 0.241 | 4.566 | 6.28 | Pass |
| CH100 | 5500 | 3.374 | 0.241 | 3.615 | 6.28 | Pass |
| CH116 | 5580 | 4.972 | 0.241 | 5.213 | 6.28 | Pass |
| CH140 | 5700 | 4.185 | 0.241 | 4.426 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 4.028 | 0.241 | 4.269 | 25.28 | Pass |
| CH157 | 5785 | 4.073 | 0.241 | 4.314 | 25.28 | Pass |
| CH165 | 5825 | 3.162 | 0.241 | 3.403 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(2) - (4.7 + 10\text{Log}(2) - 6)$

| Mode 1: Transmit by 802.11a with 4*4 CDD | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 1.780 | 0.241 | 2.021 | 6.26 | Pass |
| CH44 | 5220 | 2.819 | 0.241 | 3.060 | 6.26 | Pass |
| CH48 | 5240 | 1.966 | 0.241 | 2.207 | 6.26 | Pass |
| CH52 | 5260 | -0.358 | 0.241 | -0.117 | 0.26 | Pass |
| CH60 | 5300 | -1.592 | 0.241 | -1.351 | 0.26 | Pass |
| CH64 | 5320 | -0.576 | 0.241 | -0.335 | 0.26 | Pass |
| CH100 | 5500 | -0.818 | 0.241 | -0.577 | 0.26 | Pass |
| CH116 | 5580 | -0.272 | 0.241 | -0.031 | 0.26 | Pass |
| CH140 | 5700 | -0.877 | 0.241 | -0.636 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 2.151 | 0.241 | 2.392 | 19.26 | Pass |
| CH157 | 5785 | 1.532 | 0.241 | 1.773 | 19.26 | Pass |
| CH165 | 5825 | 0.473 | 0.241 | 0.714 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(4) - (4.7 + 10\text{Log}(4) - 6)$

| Mode 2: Transmit by 802.11n(20MHz) with 2*2 CDD | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 6.623 | 0.238 | 6.861 | 12.28 | Pass |
| CH44 | 5220 | 6.043 | 0.238 | 6.281 | 12.28 | Pass |
| CH48 | 5240 | 5.518 | 0.238 | 5.756 | 12.28 | Pass |
| CH52 | 5260 | 5.805 | 0.238 | 6.043 | 6.28 | Pass |
| CH60 | 5300 | 5.327 | 0.238 | 5.565 | 6.28 | Pass |
| CH64 | 5320 | 5.307 | 0.238 | 5.545 | 6.28 | Pass |
| CH100 | 5500 | 4.977 | 0.238 | 5.215 | 6.28 | Pass |
| CH116 | 5580 | 4.891 | 0.238 | 5.129 | 6.28 | Pass |
| CH140 | 5700 | 5.441 | 0.238 | 5.679 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 4.768 | 0.238 | 5.006 | 25.28 | Pass |
| CH157 | 5785 | 3.623 | 0.238 | 3.861 | 25.28 | Pass |
| CH165 | 5825 | 2.824 | 0.238 | 3.062 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(2) - (4.7 + 10\text{Log}(2) - 6)$

| Mode 2: Transmit by 802.11n(20MHz) with 4*4 CDD | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 2.108 | 0.238 | 2.346 | 6.26 | Pass |
| CH44 | 5220 | 3.081 | 0.238 | 3.319 | 6.26 | Pass |
| CH48 | 5240 | 2.767 | 0.238 | 3.005 | 6.26 | Pass |
| CH52 | 5260 | -0.314 | 0.238 | -0.076 | 0.26 | Pass |
| CH60 | 5300 | -0.382 | 0.238 | -0.144 | 0.26 | Pass |
| CH64 | 5320 | -0.294 | 0.238 | -0.056 | 0.26 | Pass |
| CH100 | 5500 | -0.961 | 0.238 | -0.723 | 0.26 | Pass |
| CH116 | 5580 | -0.541 | 0.238 | -0.303 | 0.26 | Pass |
| CH140 | 5700 | -0.688 | 0.238 | -0.45 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 1.533 | 0.238 | 1.771 | 19.26 | Pass |
| CH157 | 5785 | 1.305 | 0.238 | 1.543 | 19.26 | Pass |
| CH165 | 5825 | 1.407 | 0.238 | 1.645 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(4) - (4.7 + 10\text{Log}(4) - 6)$

| Mode 2: Transmit by 802.11n(20MHz) with 2*2 Beam-forming | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 2.145 | 0.242 | 2.387 | 12.28 | Pass |
| CH44 | 5220 | 6.140 | 0.242 | 6.382 | 12.28 | Pass |
| CH48 | 5240 | 6.238 | 0.242 | 6.480 | 12.28 | Pass |
| CH52 | 5260 | 4.901 | 0.242 | 5.143 | 6.28 | Pass |
| CH60 | 5300 | 5.121 | 0.242 | 5.363 | 6.28 | Pass |
| CH64 | 5320 | 5.068 | 0.242 | 5.310 | 6.28 | Pass |
| CH100 | 5500 | 3.937 | 0.242 | 4.179 | 6.28 | Pass |
| CH116 | 5580 | 3.892 | 0.242 | 4.134 | 6.28 | Pass |
| CH140 | 5700 | 3.914 | 0.242 | 4.156 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 4.277 | 0.242 | 4.519 | 25.28 | Pass |
| CH157 | 5785 | 4.544 | 0.242 | 4.786 | 25.28 | Pass |
| CH165 | 5825 | 4.663 | 0.242 | 4.905 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(2) - (4.7 + 10\text{Log}(2) - 6)$

| Mode 2: Transmit by 802.11n(20MHz) with 4*4 Beam-forming | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 1.839 | 0.242 | 2.081 | 6.26 | Pass |
| CH44 | 5220 | 3.024 | 0.242 | 3.266 | 6.26 | Pass |
| CH48 | 5240 | 3.185 | 0.242 | 3.427 | 6.26 | Pass |
| CH52 | 5260 | -0.864 | 0.242 | -0.622 | 0.26 | Pass |
| CH60 | 5300 | -0.783 | 0.242 | -0.541 | 0.26 | Pass |
| CH64 | 5320 | -0.700 | 0.242 | -0.458 | 0.26 | Pass |
| CH100 | 5500 | -1.067 | 0.242 | -0.825 | 0.26 | Pass |
| CH116 | 5580 | -0.769 | 0.242 | -0.527 | 0.26 | Pass |
| CH140 | 5700 | -1.159 | 0.242 | -0.917 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 5.124 | 0.242 | 5.366 | 19.26 | Pass |
| CH157 | 5785 | 4.384 | 0.242 | 4.626 | 19.26 | Pass |
| CH165 | 5825 | 4.951 | 0.242 | 5.193 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(4) - (4.7 + 10\text{Log}(4) - 6)$

| Mode 3: Transmit by 802.11n(40MHz) with 2*2 CDD | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | 0.888 | 0.599 | 1.487 | 12.28 | Pass |
| CH46 | 5230 | 2.214 | 0.599 | 2.813 | 12.28 | Pass |
| CH54 | 5270 | 3.448 | 0.599 | 4.047 | 6.28 | Pass |
| CH62 | 5310 | 2.041 | 0.599 | 2.640 | 6.28 | Pass |
| CH102 | 5510 | -0.219 | 0.599 | 0.380 | 6.28 | Pass |
| CH134 | 5670 | 1.228 | 0.599 | 1.827 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | -0.587 | 0.599 | 0.012 | 25.28 | Pass |
| CH159 | 5795 | -1.699 | 0.599 | -1.100 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(2) – (4.7 + 10Log(2) - 6)

| Mode 3: Transmit by 802.11n(40MHz) with 4*4 CDD | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | -3.437 | 0.599 | -2.838 | 6.26 | Pass |
| CH46 | 5230 | 0.044 | 0.599 | 0.643 | 6.26 | Pass |
| CH54 | 5270 | -1.374 | 0.599 | -0.775 | 0.26 | Pass |
| CH62 | 5310 | -1.087 | 0.599 | -0.488 | 0.26 | Pass |
| CH102 | 5510 | -1.354 | 0.599 | -0.755 | 0.26 | Pass |
| CH134 | 5670 | -1.591 | 0.599 | -0.992 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | -1.392 | 0.599 | -0.793 | 19.26 | Pass |
| CH159 | 5795 | -1.503 | 0.599 | -0.904 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(4) – (4.7 + 10Log(4) - 6)

| Mode 3: Transmit by 802.11n(40MHz) with 2*2 Beam-forming | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | -0.192 | 0.585 | 0.393 | 12.28 | Pass |
| CH46 | 5230 | 0.373 | 0.585 | 0.958 | 12.28 | Pass |
| CH54 | 5270 | 1.769 | 0.585 | 2.354 | 6.28 | Pass |
| CH62 | 5310 | 1.900 | 0.585 | 2.485 | 6.28 | Pass |
| CH102 | 5510 | 0.664 | 0.585 | 1.249 | 6.28 | Pass |
| CH134 | 5670 | 1.080 | 0.585 | 1.665 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | 2.513 | 0.585 | 3.098 | 25.28 | Pass |
| CH159 | 5795 | 1.859 | 0.585 | 2.444 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(2) - (4.7 + 10Log(2) - 6)

| Mode 3: Transmit by 802.11n(40MHz) with 4*4 Beam-forming | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | -2.059 | 0.585 | -1.474 | 6.26 | Pass |
| CH46 | 5230 | 0.286 | 0.585 | 0.871 | 6.26 | Pass |
| CH54 | 5270 | -3.793 | 0.585 | -3.208 | 0.26 | Pass |
| CH62 | 5310 | -3.543 | 0.585 | -2.958 | 0.26 | Pass |
| CH102 | 5510 | -4.576 | 0.585 | -3.991 | 0.26 | Pass |
| CH134 | 5670 | -4.242 | 0.585 | -3.657 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | 1.681 | 0.585 | 2.266 | 19.26 | Pass |
| CH159 | 5795 | 0.918 | 0.585 | 1.503 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(4) – (4.7 + 10Log(4) - 6)

| Mode 4: Transmit by 802.11ac(20MHz) with 2*2 CDD | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 8.088 | 0.101 | 8.189 | 12.28 | Pass |
| CH44 | 5220 | 7.903 | 0.101 | 8.004 | 12.28 | Pass |
| CH48 | 5240 | 7.991 | 0.101 | 8.092 | 12.28 | Pass |
| CH52 | 5260 | 5.873 | 0.101 | 5.974 | 6.28 | Pass |
| CH60 | 5300 | 5.998 | 0.101 | 6.099 | 6.28 | Pass |
| CH64 | 5320 | 6.169 | 0.101 | 6.270 | 6.28 | Pass |
| CH100 | 5500 | 5.038 | 0.101 | 5.139 | 6.28 | Pass |
| CH116 | 5580 | 5.010 | 0.101 | 5.111 | 6.28 | Pass |
| CH140 | 5700 | 5.981 | 0.101 | 6.082 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 5.715 | 0.101 | 5.816 | 25.28 | Pass |
| CH157 | 5785 | 5.003 | 0.101 | 5.104 | 25.28 | Pass |
| CH165 | 5825 | 5.167 | 0.101 | 5.268 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(2) - (4.7 + 10\text{Log}(2) - 6)$

| Mode 4: Transmit by 802.11ac(20MHz) with 4*4 CDD | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 1.715 | 0.101 | 1.816 | 6.26 | Pass |
| CH44 | 5220 | 2.239 | 0.101 | 2.340 | 6.26 | Pass |
| CH48 | 5240 | 2.310 | 0.101 | 2.411 | 6.26 | Pass |
| CH52 | 5260 | -0.211 | 0.101 | -0.11 | 0.26 | Pass |
| CH60 | 5300 | -0.738 | 0.101 | -0.637 | 0.26 | Pass |
| CH64 | 5320 | -0.349 | 0.101 | -0.248 | 0.26 | Pass |
| CH100 | 5500 | -0.684 | 0.101 | -0.583 | 0.26 | Pass |
| CH116 | 5580 | -0.633 | 0.101 | -0.532 | 0.26 | Pass |
| CH140 | 5700 | -0.729 | 0.101 | -0.628 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 1.204 | 0.101 | 1.305 | 19.26 | Pass |
| CH157 | 5785 | 0.722 | 0.101 | 0.823 | 19.26 | Pass |
| CH165 | 5825 | 0.750 | 0.101 | 0.851 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(4) - (4.7 + 10\text{Log}(4) - 6)$

| Mode 4: Transmit by 802.11ac(20MHz) with 2*2 Beam-forming | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 2.324 | 0.101 | 2.425 | 12.28 | Pass |
| CH44 | 5220 | 6.403 | 0.101 | 6.504 | 12.28 | Pass |
| CH48 | 5240 | 6.438 | 0.101 | 6.539 | 12.28 | Pass |
| CH52 | 5260 | 5.260 | 0.101 | 5.361 | 6.28 | Pass |
| CH60 | 5300 | 5.002 | 0.101 | 5.103 | 6.28 | Pass |
| CH64 | 5320 | 4.767 | 0.101 | 4.868 | 6.28 | Pass |
| CH100 | 5500 | 3.744 | 0.101 | 3.845 | 6.28 | Pass |
| CH116 | 5580 | 3.686 | 0.101 | 3.787 | 6.28 | Pass |
| CH140 | 5700 | 4.101 | 0.101 | 4.202 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 5.449 | 0.101 | 5.550 | 25.28 | Pass |
| CH157 | 5785 | 4.804 | 0.101 | 4.905 | 25.28 | Pass |
| CH165 | 5825 | 4.714 | 0.101 | 4.815 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(2) - (4.7 + 10\text{Log}(2) - 6)$

| Mode 4: Transmit by 802.11ac(20MHz) with 4*4 Beam-forming | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 2.202 | 0.101 | 2.303 | 6.26 | Pass |
| CH44 | 5220 | 3.163 | 0.101 | 3.264 | 6.26 | Pass |
| CH48 | 5240 | 3.376 | 0.101 | 3.477 | 6.26 | Pass |
| CH52 | 5260 | -0.771 | 0.101 | -0.670 | 0.26 | Pass |
| CH60 | 5300 | -0.839 | 0.101 | -0.738 | 0.26 | Pass |
| CH64 | 5320 | -0.300 | 0.101 | -0.199 | 0.26 | Pass |
| CH100 | 5500 | -1.212 | 0.101 | -1.111 | 0.26 | Pass |
| CH116 | 5580 | -1.015 | 0.101 | -0.914 | 0.26 | Pass |
| CH140 | 5700 | -1.038 | 0.101 | -0.937 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 4.750 | 0.101 | 4.851 | 19.26 | Pass |
| CH157 | 5785 | 4.421 | 0.101 | 4.522 | 19.26 | Pass |
| CH165 | 5825 | 3.682 | 0.101 | 3.783 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(4) - (4.7 + 10\text{Log}(4) - 6)$

| Mode 5: Transmit by 802.11ac(40MHz) with 2*2 CDD | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | 4.737 | 0.288 | 5.025 | 12.28 | Pass |
| CH46 | 5230 | 5.289 | 0.288 | 5.577 | 12.28 | Pass |
| CH54 | 5270 | 3.788 | 0.288 | 4.076 | 6.28 | Pass |
| CH62 | 5310 | 3.280 | 0.288 | 3.568 | 6.28 | Pass |
| CH102 | 5510 | 2.109 | 0.288 | 2.397 | 6.28 | Pass |
| CH134 | 5670 | 2.339 | 0.288 | 2.627 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | 2.448 | 0.288 | 2.736 | 25.28 | Pass |
| CH159 | 5795 | 2.891 | 0.288 | 3.179 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(2) - (4.7 + 10Log(2) - 6)

| Mode 5: Transmit by 802.11ac(40MHz) with 4*4 CDD | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | -0.785 | 0.288 | -0.497 | 6.26 | Pass |
| CH46 | 5230 | 1.162 | 0.288 | 1.450 | 6.26 | Pass |
| CH54 | 5270 | -1.490 | 0.288 | -1.202 | 0.26 | Pass |
| CH62 | 5310 | -1.441 | 0.288 | -1.153 | 0.26 | Pass |
| CH102 | 5510 | -2.217 | 0.288 | -1.929 | 0.26 | Pass |
| CH134 | 5670 | -1.579 | 0.288 | -1.291 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | -1.023 | 0.288 | -0.735 | 19.26 | Pass |
| CH159 | 5795 | -1.562 | 0.288 | -1.274 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(4) – (4.7 + 10Log(4) - 6)

| Mode 5: Transmit by 802.11ac(40MHz) with 2*2 Beam-forming | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | -0.679 | 0.288 | -0.391 | 12.28 | Pass |
| CH46 | 5230 | 2.538 | 0.288 | 2.826 | 12.28 | Pass |
| CH54 | 5270 | 1.915 | 0.288 | 2.203 | 6.28 | Pass |
| CH62 | 5310 | 2.206 | 0.288 | 2.494 | 6.28 | Pass |
| CH102 | 5510 | 0.614 | 0.288 | 0.902 | 6.28 | Pass |
| CH134 | 5670 | 0.836 | 0.288 | 1.124 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | 2.212 | 0.288 | 2.500 | 25.28 | Pass |
| CH159 | 5795 | 2.230 | 0.288 | 2.518 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(2) - (4.7 + 10Log(2) - 6)

| Mode 5: Transmit by 802.11ac(40MHz) with 4*4 Beam-forming | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | -2.241 | 0.288 | -1.953 | 6.26 | Pass |
| CH46 | 5230 | 1.120 | 0.288 | 1.408 | 6.26 | Pass |
| CH54 | 5270 | -3.850 | 0.288 | -3.562 | 0.26 | Pass |
| CH62 | 5310 | -3.709 | 0.288 | -3.421 | 0.26 | Pass |
| CH102 | 5510 | -4.690 | 0.288 | -4.402 | 0.26 | Pass |
| CH134 | 5670 | -3.992 | 0.288 | -3.704 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | 1.433 | 0.288 | 1.721 | 19.26 | Pass |
| CH159 | 5795 | -0.133 | 0.288 | 0.155 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(4) – (4.7 + 10Log(4) - 6)

| Mode 6: Transmit by 802.11ac(80MHz) with 2*2 CDD | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | 0.411 | 0.646 | 1.057 | 12.28 | Pass |
| CH58 | 5290 | 0.253 | 0.646 | 0.899 | 6.28 | Pass |
| CH106 | 5530 | -1.140 | 0.646 | -0.494 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH155 | 5775 | -2.607 | 0.646 | -1.961 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(2) – (4.7 + 10Log(2) - 6)

| Mode 6: Transmit by 802.11ac(80MHz) with 4*4 CDD | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | -4.214 | 0.646 | -3.568 | 6.26 | Pass |
| CH58 | 5290 | -1.349 | 0.646 | -0.703 | 0.26 | Pass |
| CH106 | 5530 | -3.263 | 0.646 | -2.617 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH155 | 5775 | -5.347 | 0.646 | -4.701 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(4) - (4.7 + 10Log(4) - 6)

| Mode 6: Transmit by 802.11ac(80MHz) with 2*2 Beam-forming | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | 0.339 | 0.599 | 0.938 | 12.28 | Pass |
| CH58 | 5290 | -0.650 | 0.599 | -0.051 | 6.28 | Pass |
| CH106 | 5530 | -2.148 | 0.599 | -1.549 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH155 | 5775 | -2.357 | 0.599 | -1.758 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(2) - (4.7 + 10Log(2) - 6)

| Mode 6: Transmit by 802.11ac(80MHz) with 4*4 Beam-forming | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | -6.008 | 0.599 | -5.409 | 6.26 | Pass |
| CH58 | 5290 | -6.386 | 0.599 | -5.787 | 0.26 | Pass |
| CH106 | 5530 | -7.034 | 0.599 | -6.435 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH155 | 5775 | -2.508 | 0.599 | -1.909 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(4) - (4.7 + 10Log(4) - 6)

| Mode 7: Transmit by 802.11ax(20MHz) with 2*2 CDD | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 7.548 | 0.113 | 7.661 | 12.28 | Pass |
| CH44 | 5220 | 7.674 | 0.113 | 7.787 | 12.28 | Pass |
| CH48 | 5240 | 8.212 | 0.113 | 8.325 | 12.28 | Pass |
| CH52 | 5260 | 5.759 | 0.113 | 5.872 | 6.28 | Pass |
| CH60 | 5300 | 5.852 | 0.113 | 5.965 | 6.28 | Pass |
| CH64 | 5320 | 6.110 | 0.113 | 6.223 | 6.28 | Pass |
| CH100 | 5500 | 4.970 | 0.113 | 5.083 | 6.28 | Pass |
| CH116 | 5580 | 4.995 | 0.113 | 5.108 | 6.28 | Pass |
| CH140 | 5700 | 5.761 | 0.113 | 5.874 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 5.230 | 0.113 | 5.343 | 25.28 | Pass |
| CH157 | 5785 | 4.705 | 0.113 | 4.818 | 25.28 | Pass |
| CH165 | 5825 | 4.241 | 0.113 | 4.354 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(2) - (4.7 + 10\text{Log}(2) - 6)$

| Mode 7: Transmit by 802.11ax(20MHz) with 4*4 CDD | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 1.905 | 0.113 | 2.018 | 6.26 | Pass |
| CH44 | 5220 | 2.290 | 0.113 | 2.403 | 6.26 | Pass |
| CH48 | 5240 | 2.307 | 0.113 | 2.420 | 6.26 | Pass |
| CH52 | 5260 | -0.575 | 0.113 | -0.462 | 0.26 | Pass |
| CH60 | 5300 | -0.730 | 0.113 | -0.617 | 0.26 | Pass |
| CH64 | 5320 | -0.362 | 0.113 | -0.249 | 0.26 | Pass |
| CH100 | 5500 | -0.946 | 0.113 | -0.833 | 0.26 | Pass |
| CH116 | 5580 | -0.835 | 0.113 | -0.722 | 0.26 | Pass |
| CH140 | 5700 | -0.712 | 0.113 | -0.599 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 1.188 | 0.113 | 1.301 | 19.26 | Pass |
| CH157 | 5785 | 0.512 | 0.113 | 0.625 | 19.26 | Pass |
| CH165 | 5825 | 0.347 | 0.113 | 0.460 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(4) - (4.7 + 10\text{Log}(4) - 6)$

| Mode 7: Transmit by 802.11ax(20MHz) with 2*2 Beam-forming | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 2.781 | 0.190 | 2.971 | 12.28 | Pass |
| CH44 | 5220 | 6.307 | 0.190 | 6.497 | 12.28 | Pass |
| CH48 | 5240 | 6.732 | 0.190 | 6.922 | 12.28 | Pass |
| CH52 | 5260 | 5.189 | 0.190 | 5.379 | 6.28 | Pass |
| CH60 | 5300 | 4.902 | 0.190 | 5.092 | 6.28 | Pass |
| CH64 | 5320 | 4.442 | 0.190 | 4.632 | 6.28 | Pass |
| CH100 | 5500 | 3.781 | 0.190 | 3.971 | 6.28 | Pass |
| CH116 | 5580 | 3.744 | 0.190 | 3.934 | 6.28 | Pass |
| CH140 | 5700 | 4.251 | 0.190 | 4.441 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 5.584 | 0.190 | 5.774 | 25.28 | Pass |
| CH157 | 5785 | 4.727 | 0.190 | 4.917 | 25.28 | Pass |
| CH165 | 5825 | 4.834 | 0.190 | 5.024 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(2) - (4.7 + 10\text{Log}(2) - 6)$

| Mode 7: Transmit by 802.11ax(20MHz) with 4*4 Beam-forming | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH36 | 5180 | 2.294 | 0.190 | 2.484 | 6.26 | Pass |
| CH44 | 5220 | 3.641 | 0.190 | 3.831 | 6.26 | Pass |
| CH48 | 5240 | 3.573 | 0.190 | 3.763 | 6.26 | Pass |
| CH52 | 5260 | -0.948 | 0.190 | -0.758 | 0.26 | Pass |
| CH60 | 5300 | -0.707 | 0.190 | -0.517 | 0.26 | Pass |
| CH64 | 5320 | -0.507 | 0.190 | -0.317 | 0.26 | Pass |
| CH100 | 5500 | -1.167 | 0.190 | -0.977 | 0.26 | Pass |
| CH116 | 5580 | -0.790 | 0.190 | -0.600 | 0.26 | Pass |
| CH140 | 5700 | -1.170 | 0.190 | -0.980 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH149 | 5745 | 5.426 | 0.190 | 5.616 | 19.26 | Pass |
| CH157 | 5785 | 4.798 | 0.190 | 4.988 | 19.26 | Pass |
| CH165 | 5825 | 4.435 | 0.190 | 4.625 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(4) - (4.7 + 10\text{Log}(4) - 6)$

| Mode 8: Transmit by 802.11ax(40MHz) with 2*2 CDD | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | 3.504 | 0.317 | 3.821 | 12.28 | Pass |
| CH46 | 5230 | 3.981 | 0.317 | 4.298 | 12.28 | Pass |
| CH54 | 5270 | 3.282 | 0.317 | 3.599 | 6.28 | Pass |
| CH62 | 5310 | 3.604 | 0.317 | 3.921 | 6.28 | Pass |
| CH102 | 5510 | 2.120 | 0.317 | 2.437 | 6.28 | Pass |
| CH134 | 5670 | 2.291 | 0.317 | 2.608 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | 1.044 | 0.317 | 1.361 | 25.28 | Pass |
| CH159 | 5795 | 1.383 | 0.317 | 1.700 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = $17/11\text{dBm/MHz} - 10\text{Log}(2) - (4.7 + 10\text{Log}(2) - 6)$

| Mode 8: Transmit by 802.11ax(40MHz) with 4*4 CDD | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | -2.441 | 0.317 | -2.124 | 6.26 | Pass |
| CH46 | 5230 | 0.496 | 0.317 | 0.813 | 6.26 | Pass |
| CH54 | 5270 | -1.618 | 0.317 | -1.301 | 0.26 | Pass |
| CH62 | 5310 | -1.487 | 0.317 | -1.17 | 0.26 | Pass |
| CH102 | 5510 | -2.279 | 0.317 | -1.962 | 0.26 | Pass |
| CH134 | 5670 | -1.927 | 0.317 | -1.61 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | -1.326 | 0.317 | -1.009 | 19.26 | Pass |
| CH159 | 5795 | -1.494 | 0.317 | -1.177 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(4) – (4.7 + 10Log(4) - 6)

| Mode 8: Transmit by 802.11ax(40MHz) with 2*2 Beam-forming | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | -0.199 | 0.385 | 0.186 | 12.28 | Pass |
| CH46 | 5230 | 2.121 | 0.385 | 2.506 | 12.28 | Pass |
| CH54 | 5270 | 2.029 | 0.385 | 2.414 | 6.28 | Pass |
| CH62 | 5310 | 2.378 | 0.385 | 2.763 | 6.28 | Pass |
| CH102 | 5510 | 0.567 | 0.385 | 0.952 | 6.28 | Pass |
| CH134 | 5670 | 0.755 | 0.385 | 1.140 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | 2.246 | 0.385 | 2.631 | 25.28 | Pass |
| CH159 | 5795 | 2.337 | 0.385 | 2.722 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(2) - (4.7 + 10Log(2) - 6)

| Mode 8: Transmit by 802.11ax(40MHz) with 4*4 Beam-forming | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH38 | 5190 | -3.807 | 0.385 | -3.422 | 6.26 | Pass |
| CH46 | 5230 | 1.411 | 0.385 | 1.796 | 6.26 | Pass |
| CH54 | 5270 | -4.052 | 0.385 | -3.667 | 0.26 | Pass |
| CH62 | 5310 | -3.346 | 0.385 | -2.961 | 0.26 | Pass |
| CH102 | 5510 | -4.544 | 0.385 | -4.159 | 0.26 | Pass |
| CH134 | 5670 | -4.352 | 0.385 | -3.967 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH151 | 5755 | 2.047 | 0.385 | 2.432 | 19.26 | Pass |
| CH159 | 5795 | 1.756 | 0.385 | 2.141 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(4) – (4.7 + 10Log(4) - 6)

| Mode 9: Transmit by 802.11ax(80MHz) with 2*2 CDD | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | -0.442 | 0.742 | 0.300 | 12.28 | Pass |
| CH58 | 5290 | 0.592 | 0.742 | 1.334 | 6.28 | Pass |
| CH106 | 5530 | -0.951 | 0.742 | -0.209 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH155 | 5775 | -3.507 | 0.742 | -2.765 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz – 10Log(2) – (4.7 + 10Log(2) - 6)

| Mode 9: Transmit by 802.11ax(80MHz) with 4*4 CDD | | | | | | |
|---|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | -4.602 | 0.742 | -3.860 | 6.26 | Pass |
| CH58 | 5290 | -1.516 | 0.742 | -0.774 | 0.26 | Pass |
| CH106 | 5530 | -3.509 | 0.742 | -2.767 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH155 | 5775 | -5.271 | 0.742 | -4.529 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(4) - (4.7 + 10Log(4) - 6)

| Mode 9: Transmit by 802.11ax(80MHz) with 2*2 Beam-forming | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | 0.549 | 0.733 | 1.282 | 12.28 | Pass |
| CH58 | 5290 | -0.833 | 0.733 | -0.100 | 6.28 | Pass |
| CH106 | 5530 | -1.899 | 0.733 | -1.166 | 6.28 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH155 | 5775 | -1.971 | 0.733 | -1.238 | 25.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(2) - (4.7 + 10Log(2) - 6)

| Mode 9: Transmit by 802.11ax(80MHz) with 4*4 Beam-forming | | | | | | |
|--|-----------------|---|-------------|------------------------------------|--------------------|--------------------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH42 | 5210 | -5.214 | 0.733 | -4.481 | 6.26 | Pass |
| CH58 | 5290 | -6.260 | 0.733 | -5.527 | 0.26 | Pass |
| CH106 | 5530 | -7.407 | 0.733 | -6.674 | 0.26 | Pass |
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/500KHz) | Duty factor | Total Measurement PSD (dBm/500KHz) | Limit (dBm/500KHz) | Limit (dBm/500KHz) |
| | | Worst Chain | | | | |
| CH155 | 5775 | -2.215 | 0.733 | -1.482 | 19.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(4) - (4.7 + 10Log(4) - 6)

| Mode 10: Transmit by 802.11ax(160MHz) with 2*2 CDD | | | | | | |
|---|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH50 | 5250 | -3.176 | 0.536 | -2.640 | 12.28 | Pass |
| CH114 | 5570 | -3.671 | 0.536 | -3.135 | 6.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(2) - (4.7 + 10Log(2) - 6)

| Mode 10: Transmit by 802.11ax(160MHz) with 4*4 CDD | | | | | | |
|---|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH50 | 5250 | -4.852 | 0.536 | -4.316 | 6.26 | Pass |
| CH114 | 5570 | -6.062 | 0.536 | -5.526 | 0.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(4) - (4.7 + 10Log(4) - 6)

| Mode 10: Transmit by 802.11ax(160MHz) with 2*2 Beam-forming | | | | | | |
|--|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH50 | 5250 | -3.391 | 0.489 | -2.902 | 12.28 | Pass |
| CH114 | 5570 | -5.022 | 0.489 | -4.533 | 6.28 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(2) - (4.7 + 10Log(2) - 6)

| Mode 10: Transmit by 802.11ax(160MHz) with 4*4 Beam-forming | | | | | | |
|--|-----------------|--|-------------|---------------------------------|-----------------|--------|
| Channel No. | Frequency (MHz) | Measurement Power Spectral Density (dBm/MHz) | Duty factor | Total Measurement PSD (dBm/MHz) | Limit (dBm/MHz) | Result |
| | | Worst Chain | | | | |
| CH50 | 5250 | -9.646 | 0.489 | -9.157 | 6.26 | Pass |
| CH114 | 5570 | -10.207 | 0.489 | -9.718 | 0.26 | Pass |

Note1: Both of two chains are tested and only the worst chain of the PSD was showed.

2: PSD limit = 17/11dBm/MHz - 10Log(4) - (4.7 + 10Log(4) - 6)

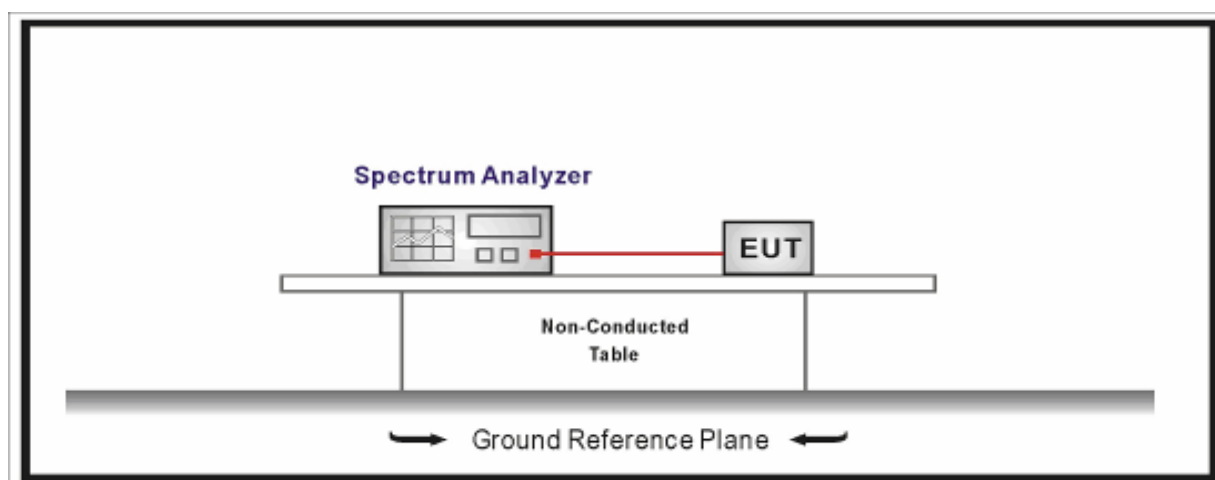
9. Band Edge

9.1. Test Equipment

| Band Edge / TR-8 | | | | | |
|----------------------------|--------------|----------|------------|------------|---------------|
| Instrument | Manufacturer | Type No. | Serial No. | Cal. Date | Cal. Due Date |
| Spectrum Analyzer | Agilent | N9010A | MY48030494 | 2020.02.04 | 2021.02.03 |
| EXA Spectrum Analyzer | Keysight | N9010A | MY55370495 | 2020.04.09 | 2021.04.08 |
| Signal Analyzer | R&S | FSV | 104212 | 2020.02.23 | 2021.02.22 |
| MXA Signal Analyzer | Keysight | N9020A | MY56060147 | 2020.04.09 | 2021.04.08 |
| Temperature/Humidity Meter | zhichen | ZC1-2 | TR8-TH | 2020.04.10 | 2021.04.09 |

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

9.2. Test Setup



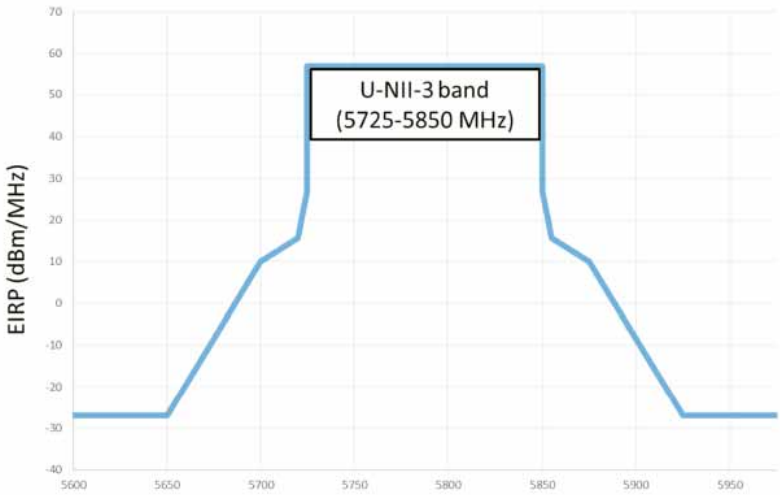
9.3. Limit

| FCC Part 15 Subpart C Paragraph 15.209 (Restricted Band Emissions Limit) | | |
|---|--------------|----------------|
| Frequency (MHz) | Distance (m) | Level (dBµV/m) |
| 0.009-0.490 | 300 | 2400/F(kHz) |
| 0.490-1.705 | 30 | 24000/F(kHz) |
| 1.705-30.0 | 30 | 30 |
| 30-88 | 3 | 100** |
| 88-216 | 3 | 150** |
| 216-960 | 3 | 200** |
| Above 960 | 3 | 500 |

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

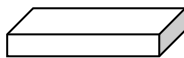
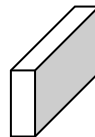
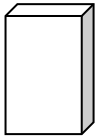
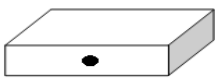

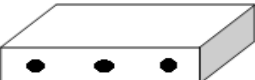

| FCC Part 15 Subpart C Paragraph 15.205 (Restricted Band) | | | |
|---|-----------------------|-----------------|-----------------|
| Frequency (MHz) | Frequency (MHz) | Frequency (MHz) | Frequency (MHz) |
| 0.090 – 0.110 | 16.42 – 16.423 | 399.9 – 410 | 4.5 – 5.15 |
| 0.495 – 0.505 | 16.69475 – 16.69525 | 608 – 614 | 5.35 – 5.46 |
| 2.1735 – 2.1905 | 16.80425 – 16.80475 | 960 – 1240 | 7.25 – 7.75 |
| 4.125 – 4.128 | 25.5 – 25.67 | 1300 – 1427 | 8.025 – 8.5 |
| 4.17725 – 4.17775 | 37.5 – 38.25 | 1435 – 1626.5 | 9.0 – 9.2 |
| 4.20725 – 4.20775 | 73 – 74.6 | 1645.5 – 1646.5 | 9.3 – 9.5 |
| 6.215 – 6.218 | 74.8 – 75.2 | 1660 – 1710 | 10.6 – 12.7 |
| 6.26775 – 6.26825 | 108 – 121.94 | 1718.8 – 1722.2 | 13.25 – 13.4 |
| 6.31175 – 6.31225 | 123 – 138 | 2200 – 2300 | 14.47 – 14.5 |
| 8.291 – 8.294 | 149.9 – 150.05 | 2310 – 2390 | 15.35 – 16.2 |
| 8.362 – 8.366 | 156.52475 – 156.52525 | 2483.5 – 2500 | 17.7 – 21.4 |
| 8.37625 – 8.38675 | 156.7 – 156.9 | 2690 – 2900 | 22.01 – 23.12 |
| 8.81425 – 8.81475 | 162.0125 – 167.17 | 3260 – 3267 | 23.6 – 24.0 |
| 12.29 – 12.293 | 167.72 – 173.2 | 3332 – 3339 | 31.2 – 31.8 |
| 12.51975–12.52025 | 240 – 285 | 3345.8 – 3358 | 36.43 – 36.5 |
| 12.57675–12.57725 | 322 – 335.4 | 3600 – 4400 | |
| 13.36 – 13.41 | | | |

| FCC Part 15 Subpart E Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit) | | |
|--|---|--|
| Operating Frequency Band (MHz) | EIRP Limit (dBm/MHz) | Equivalent Field Strength at 3m (dB μ V/m) |
| 5150 - 5250 | -27 | 68.3 |
| 5250 - 5350 | -27 | 68.3 |
| 5470 - 5725 | -27 | 68.3 |
| Operating Frequency Band (MHz) | EIRP Limit (dBm/MHz) | |
| 5725 - 5850 |  <p>U-NII-3 band (5725-5850 MHz)</p> | |

9.4. Test Procedure

| Test Method | | | |
|-------------------------------------|--------------------------|----------|--|
| | References Rule | Chapter | Description |
| <input type="checkbox"/> | ANSI C63.10 | 12.7.3 | Emissions in non-restricted frequency bands |
| <input checked="" type="checkbox"/> | ANSI C63.10 | 12.7.2 | Emissions in restricted frequency bands |
| <input type="checkbox"/> | ANSI C63.10 | 12.7.5 | Radiated emission measurements |
| <input checked="" type="checkbox"/> | ANSI C63.10 | 12.7.6 | Procedure for peak unwanted emissions measurements above 1000 MHz |
| <input checked="" type="checkbox"/> | ANSI C63.10 | 12.7.7 | Procedures for average unwanted emissions measurements above 1000 MHz |
| <input type="checkbox"/> | ANSI C63.10 | 12.7.7.2 | Method AD (average detection)—primary method |
| <input checked="" type="checkbox"/> | ANSI C63.10 | 12.7.7.3 | Method VB-A (Alternative) |
| <input type="checkbox"/> | ANSI C63.10 | 6.4 | Radiated emissions from unlicensed wireless devices below 30 MHz |
| <input type="checkbox"/> | ANSI C63.10 | 6.5 | Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz |
| <input type="checkbox"/> | ANSI C63.10 | 6.6 | Radiated emissions from unlicensed wireless devices above 1 GHz |
| <input type="checkbox"/> | FCC KDB 789033 D02v02r01 | G.2 | Unwanted Emissions that fall Outside of the Restricted Bands |
| <input type="checkbox"/> | FCC KDB 789033 D02v02r01 | G.1 | Unwanted Emissions in the Restricted Bands |
| <input type="checkbox"/> | FCC KDB 789033 D02v02r01 | G.4 | Procedure for Unwanted Emissions Measurements below 1000 MHz |
| <input type="checkbox"/> | FCC KDB 789033 D02v02r01 | G.5 | Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz |
| <input type="checkbox"/> | FCC KDB 789033 D02v02r01 | G.6 | Procedures for Average Unwanted Emissions Measurements above 1000 MHz |
| <input type="checkbox"/> | FCC KDB 789033 D02v02r01 | G.6.c | Method AD (Average detection)—primary method |
| <input type="checkbox"/> | FCC KDB 789033 D02v02r01 | G.6.d | Method VB (Averaging using reduced video bandwidth): Alternative method. |

9.5. EUT test Axis definition

| Item | Band Edge | | | |
|-----------------|--|--|--|--|
| Device Category | <input checked="" type="checkbox"/> | Indoor use | | |
| | <input type="checkbox"/> | Outdoor use | | |
| | <input type="checkbox"/> | Fix position use | | |
| | <input type="checkbox"/> | Client use | | |
| Test mode | Mode 1-10 | | | |
| Test method | <input type="checkbox"/> | Radiated | | |
| | | X Axis | Y Axis | Z Axis |
| | |  |  |  |
| | | Worst Axis <input type="checkbox"/> | Worst Axis <input type="checkbox"/> | Worst Axis <input type="checkbox"/> |
| | <input checked="" type="checkbox"/> | Conducted | | |
| | <input checked="" type="checkbox"/> | Chain 1 | | |
| | |  | | |
| | <input checked="" type="checkbox"/> | Chain 1 | Chain 2 | |
| | |  | | |
| | <input type="checkbox"/> | Chain 1 | Chain 2 | Chain 3 |
| | |  | | |
| | <input checked="" type="checkbox"/> | Chain 1 | Chain 2 | Chain 3 |
| |  | | | |

9.6. Test Result

Radio 1 :

SISO PK Limit=74dBuV/m-95.2-3.3(Antenna Gain)=-24.5dBm

SISO AV Limit=54dBuV/m-95.2-3.3(Antenna Gain)=-44.5dBm

Radio 2 :

SISO PK Limit=74dBuV/m-95.2-4.7(Antenna Gain)=-25.9dBm

SISO AV Limit=54dBuV/m-95.2-4.7(Antenna Gain)=-45.9dBm

2*2 CDD/Beamforming PK Limit=74dBuV/m-95.2-10lg2(2Tx)-7.71(Directional Gain)=-31.92dBm

2*2 CDD/Beamforming AV Limit=54dBuV/m-95.2-10lg2(2Tx)-7.71(Directional Gain)=-51.92dBm

Radio 3 :

2*2 CDD/Beamforming PK Limit=74dBuV/m-95.2-10lg2(2Tx)-7.71(Directional Gain)=-31.92dBm

2*2 CDD/Beamforming AV Limit=54dBuV/m-95.2-10lg2(2Tx)-7.71(Directional Gain)=-51.92dBm

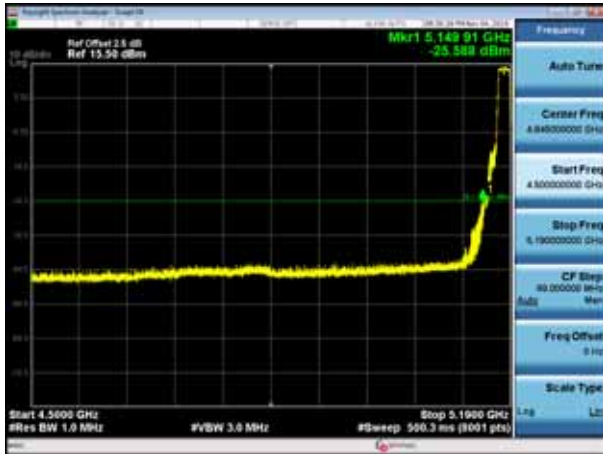
4*4 CDD/Beamforming PK Limit=74dBuV/m-95.2-10lg4(4Tx)-10.72(Directional Gain)=-37.94dBm

4*4 CDD/Beamforming AV Limit=54dBuV/m-95.2-10lg4(4Tx)-10.72(Directional Gain)=-57.94dBm

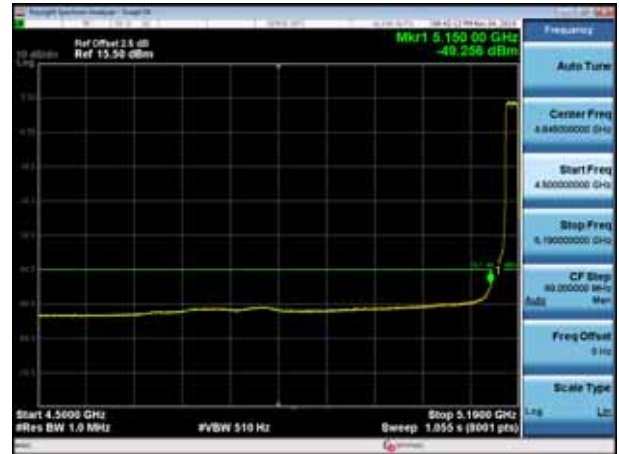
Note: Above limit is the worst case of AP410C.

Radio 1:
802.11a

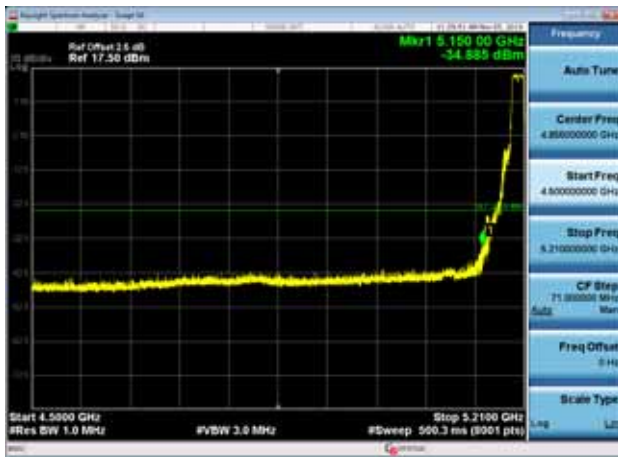
5180MHz PK



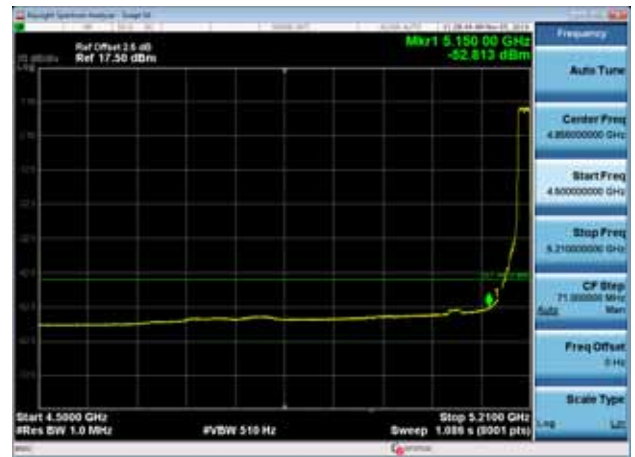
5180MHz AV



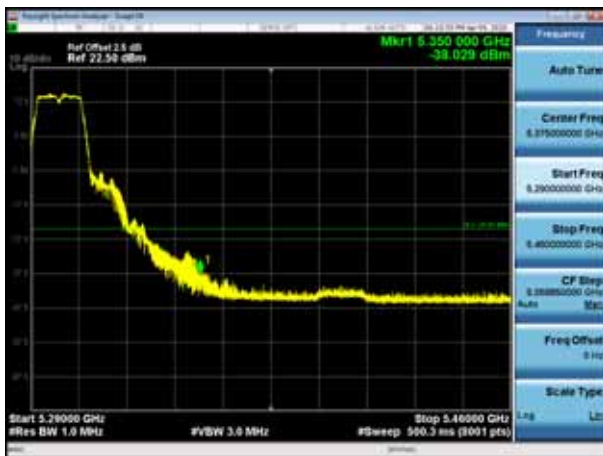
5200MHz PK



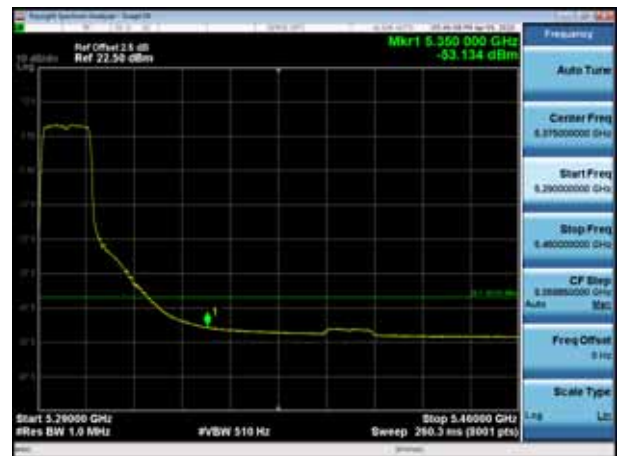
5200MHz AV



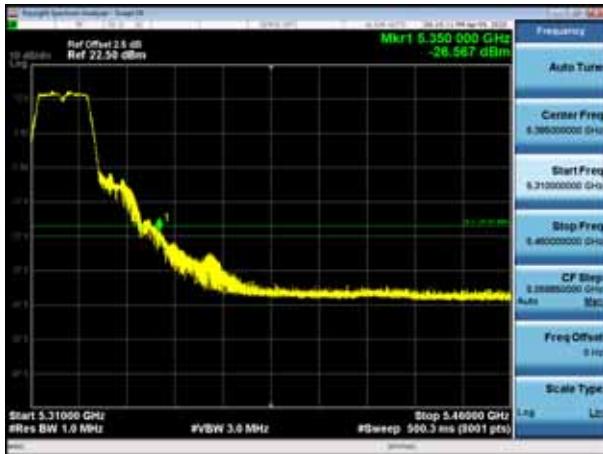
5300MHz PK



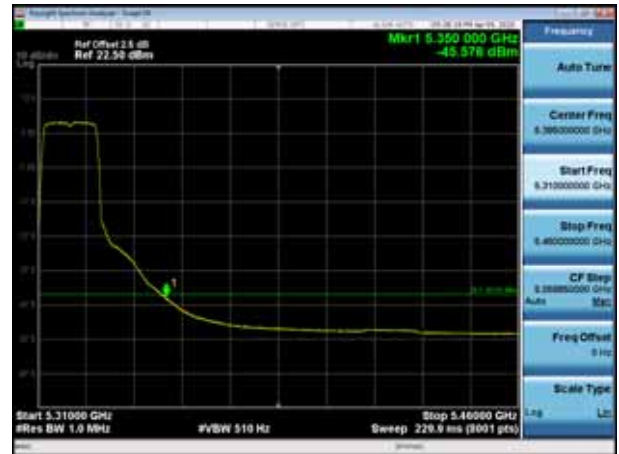
5300MHz AV



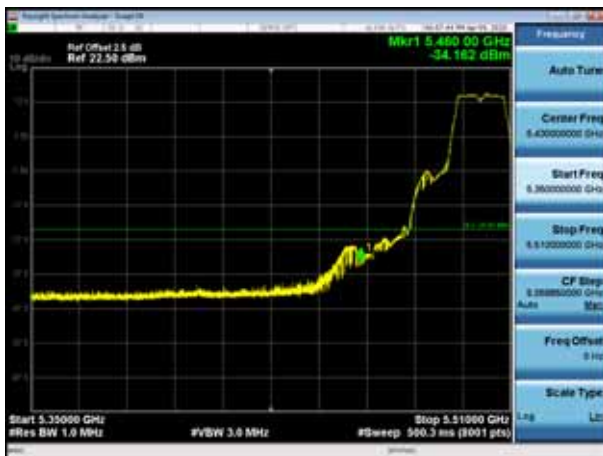
5320MHz PK



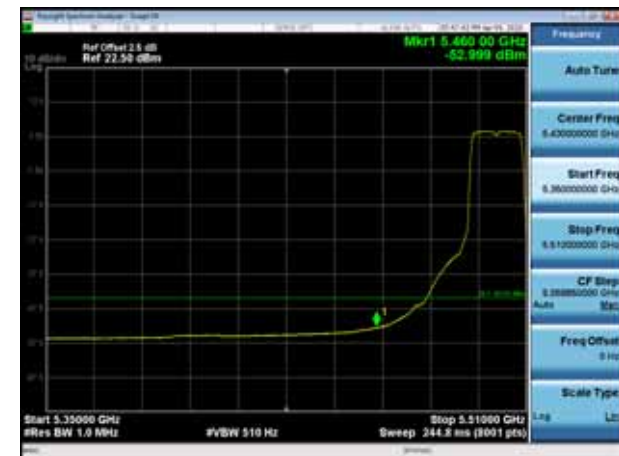
5320MHz AV



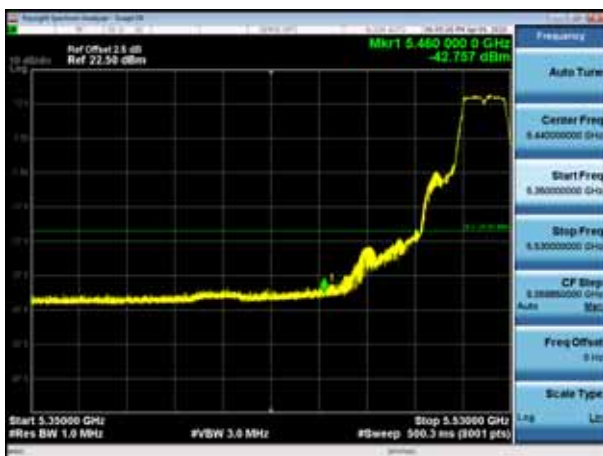
5500MHz PK



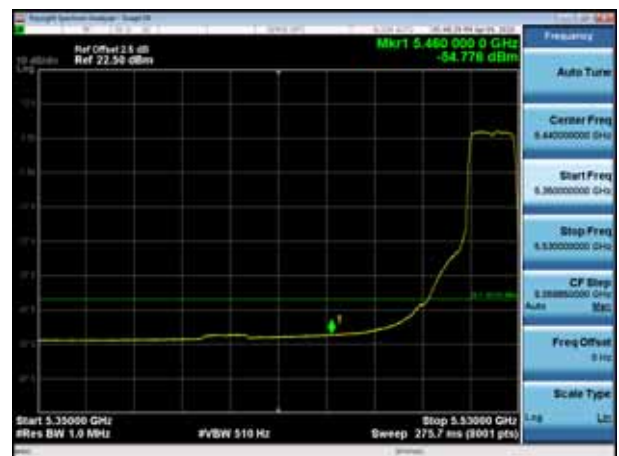
5500MHz AV



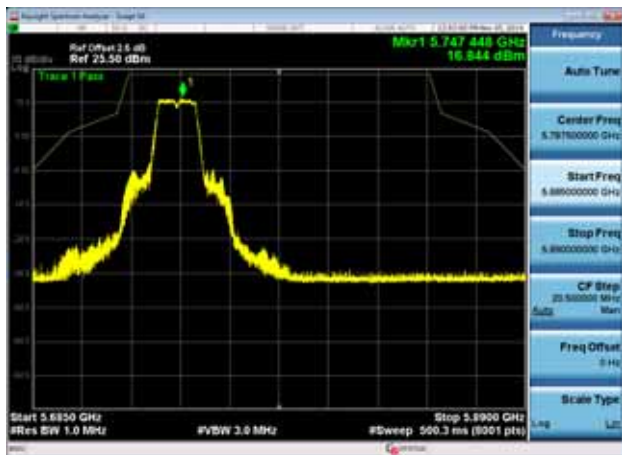
5520MHz PK



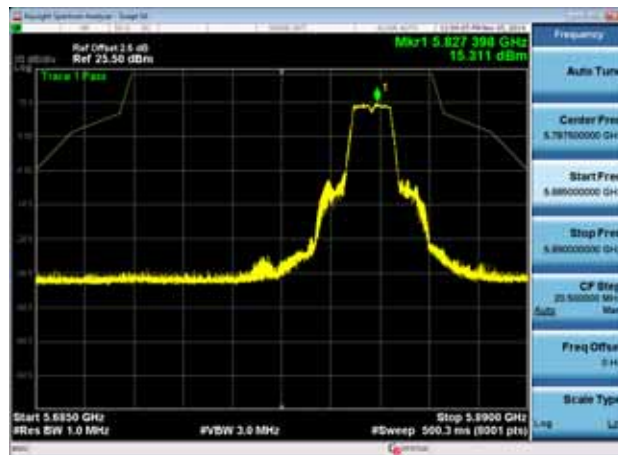
5520MHz AV



5745MHz PK

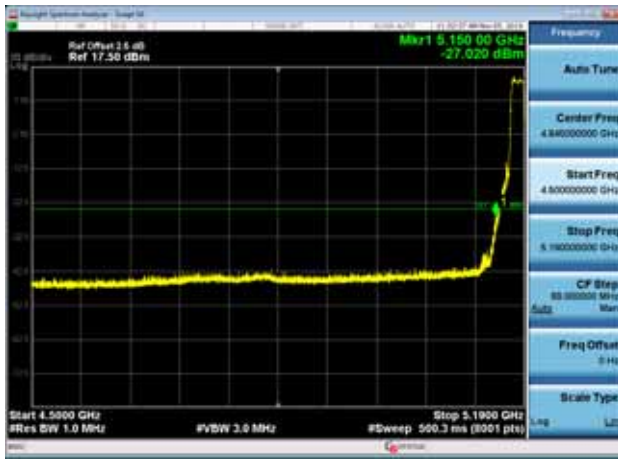


5825MHz PK

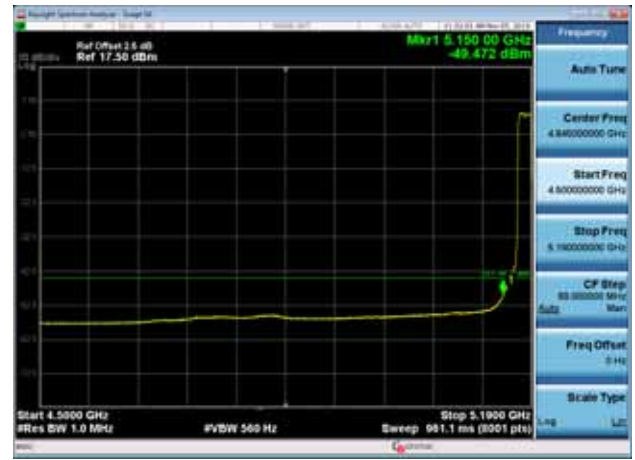


802.11n(20MHz)

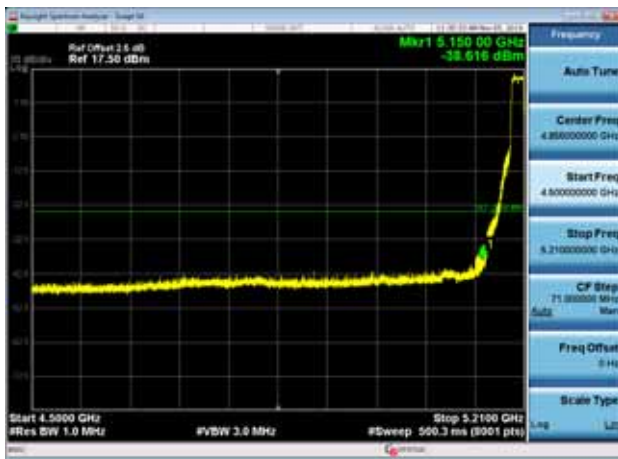
5180MHz PK



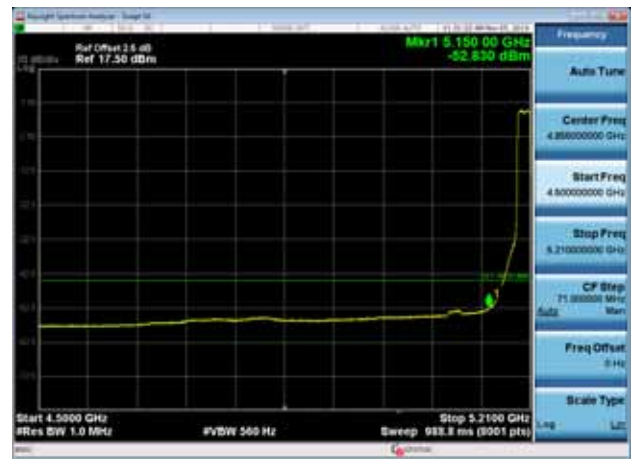
5180MHz AV



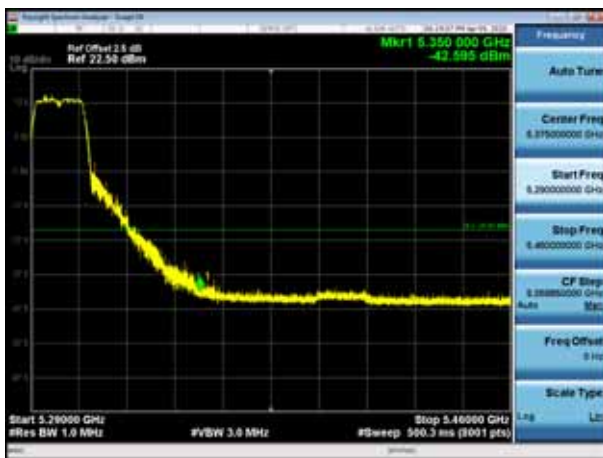
5200MHz PK



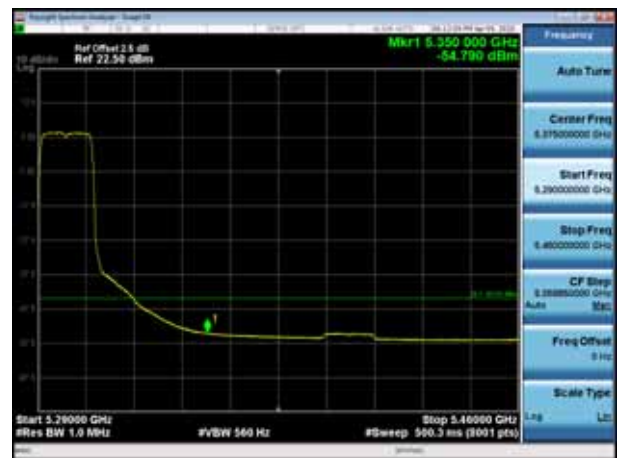
5200MHz AV



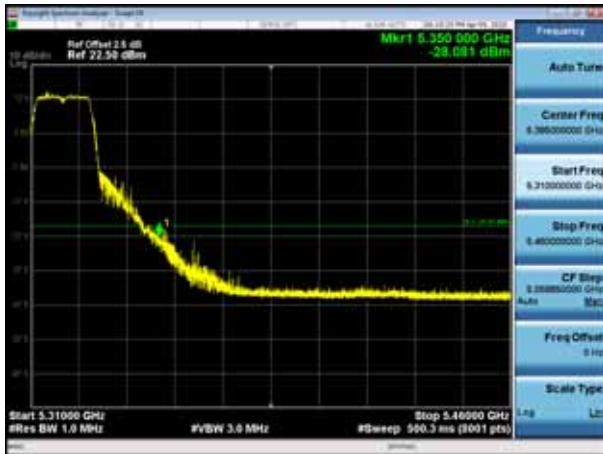
5300MHz PK



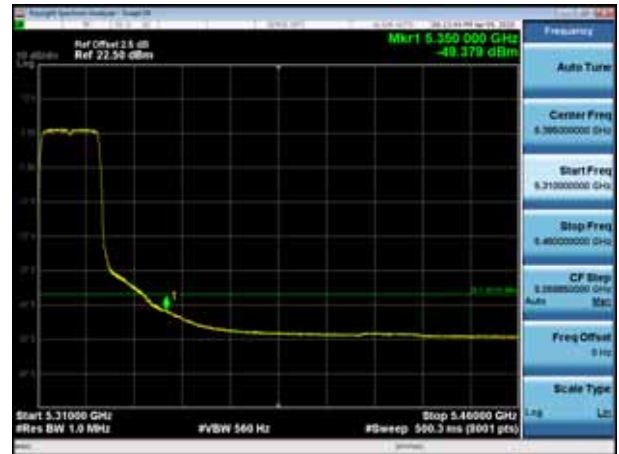
5300MHz AV



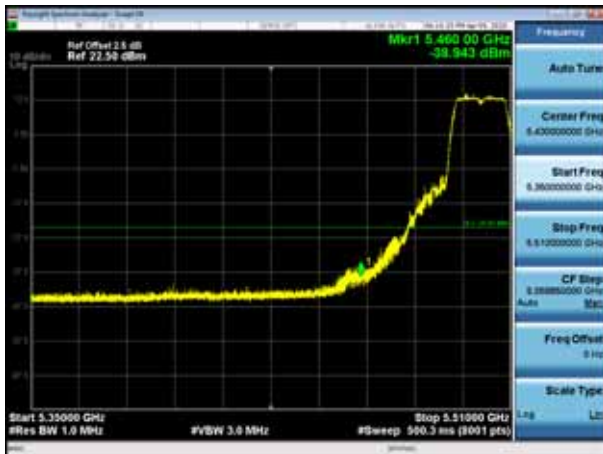
5320MHz PK



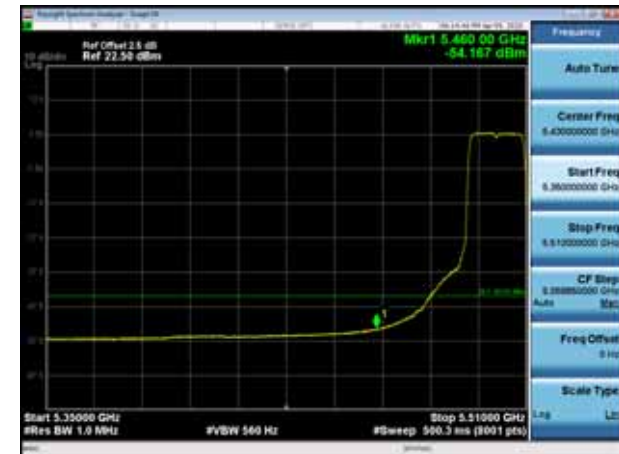
5320MHz AV



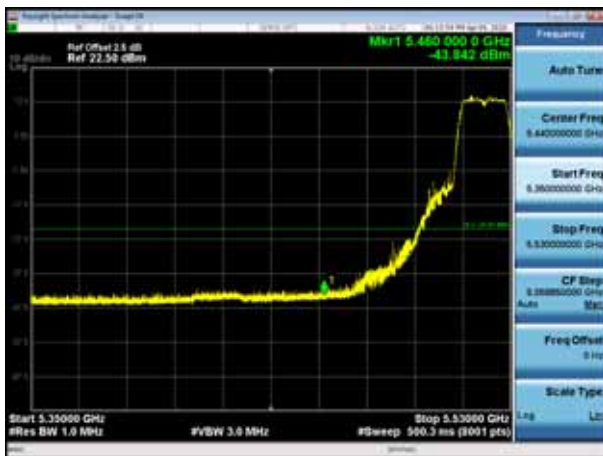
5500MHz PK



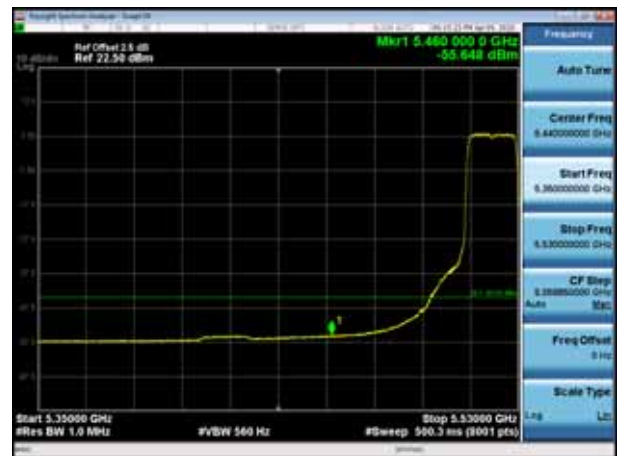
5500MHz AV



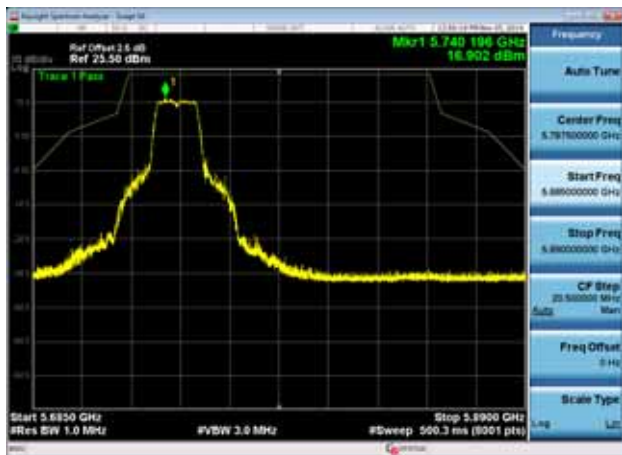
5520MHz PK



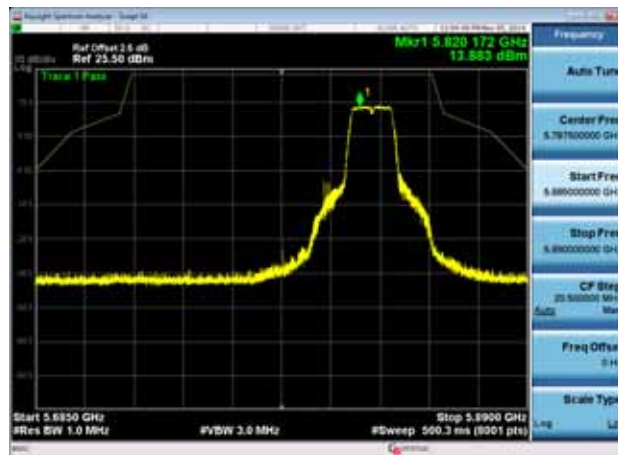
5520MHz AV



5745MHz PK

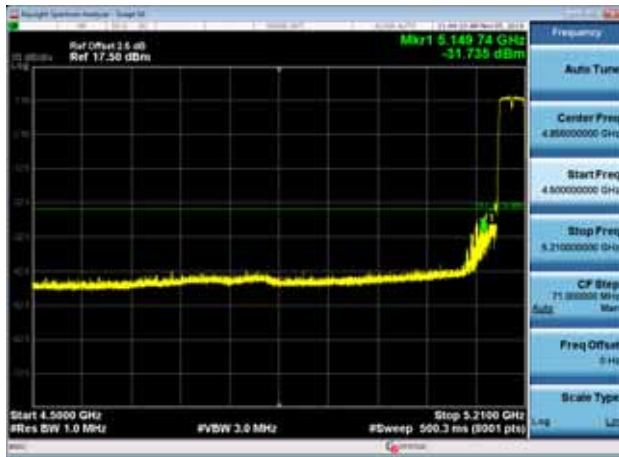


5825MHz PK

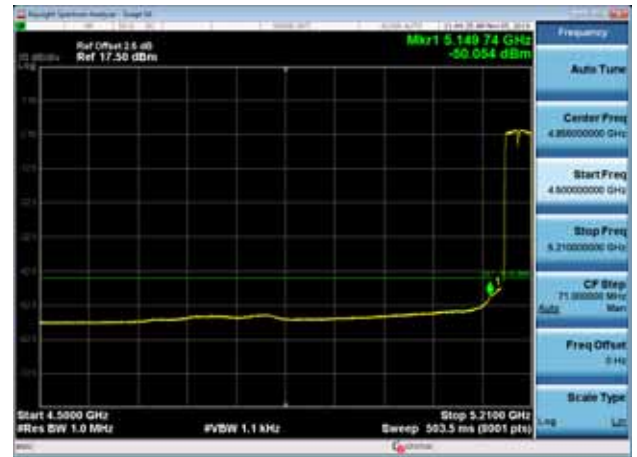


802.11n(40MHz)

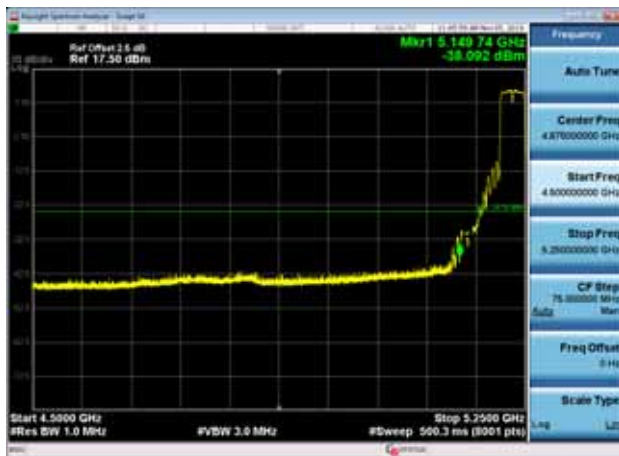
5190MHz PK



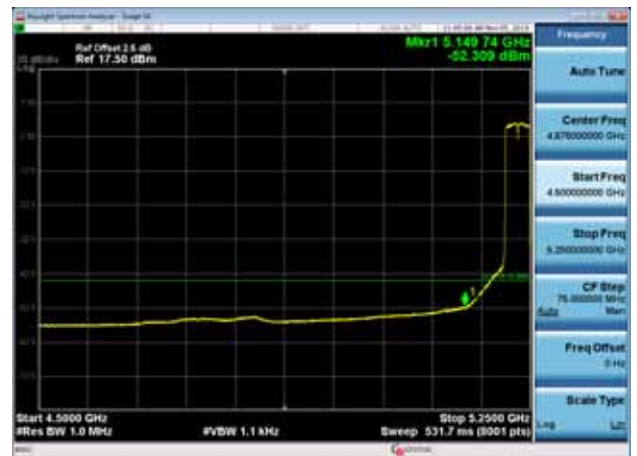
5190MHz AV



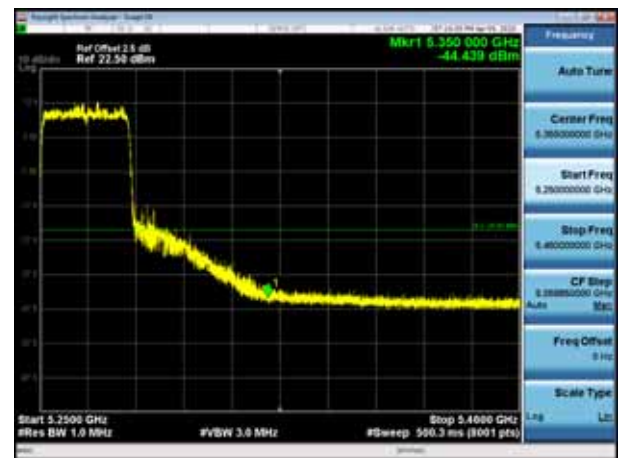
5230MHz PK



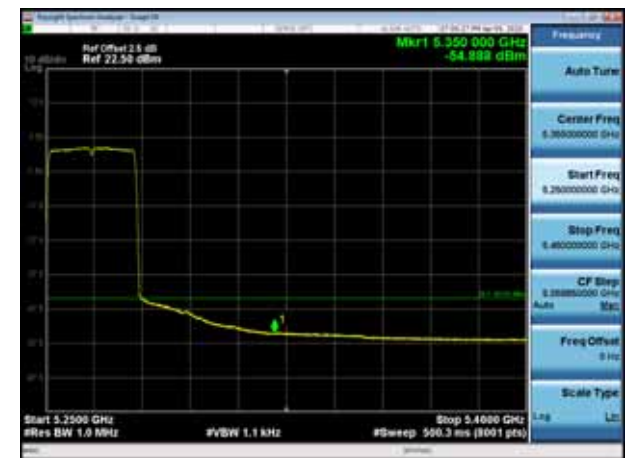
5230MHz AV



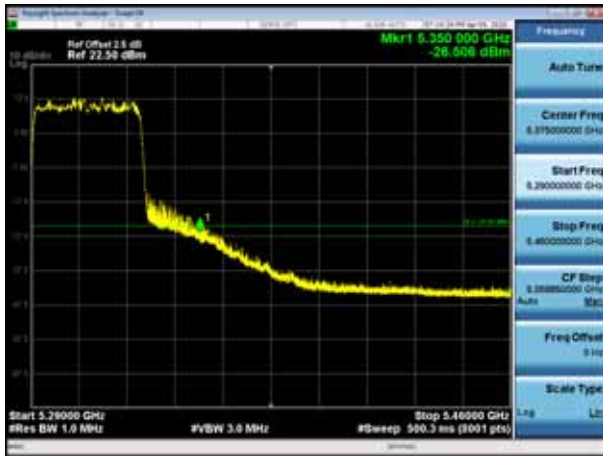
5270MHz PK



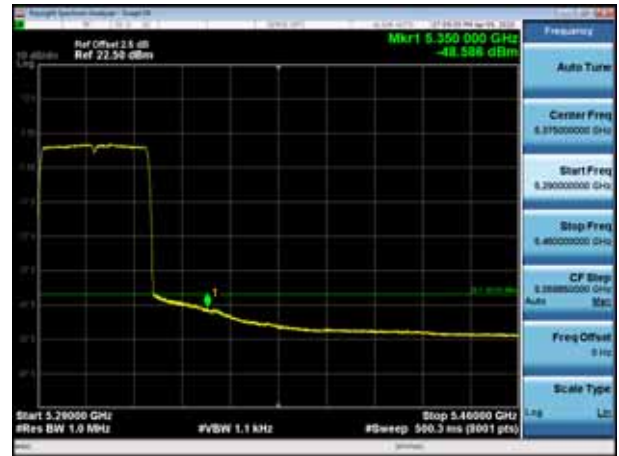
5270MHz AV



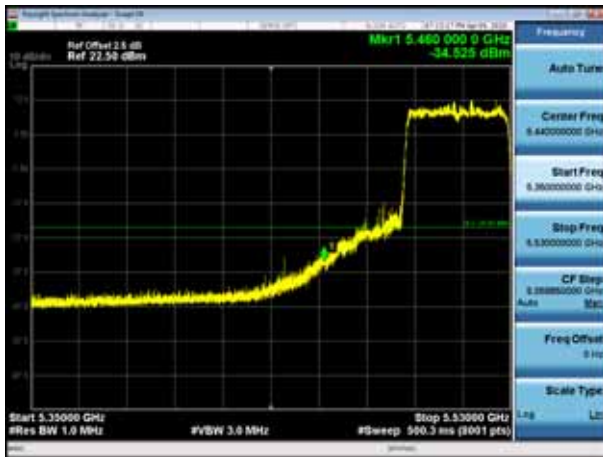
5310MHz PK



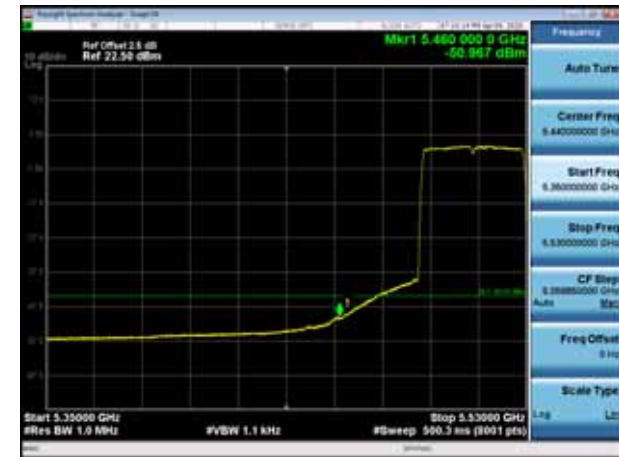
5310MHz AV



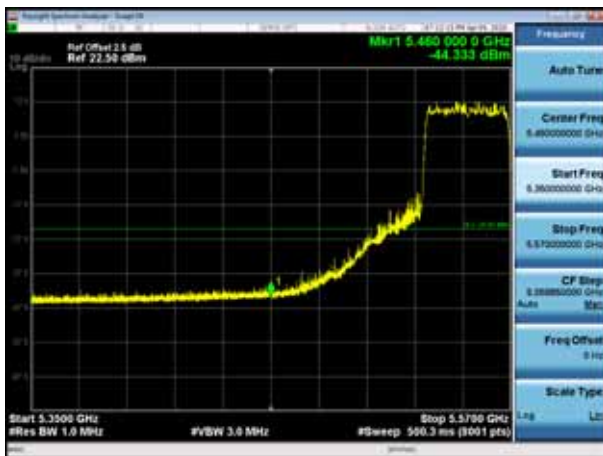
5510MHz PK



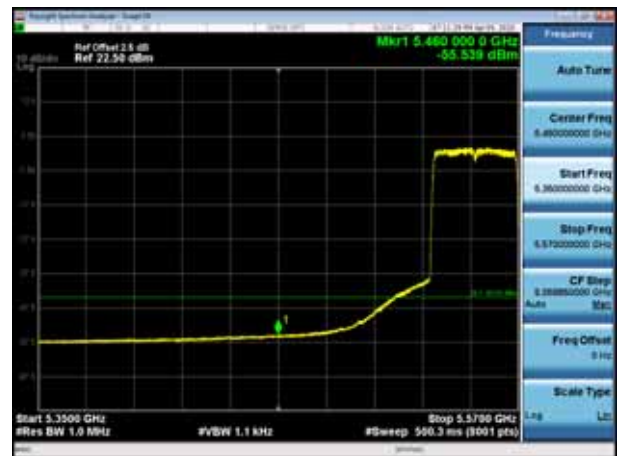
5510MHz AV



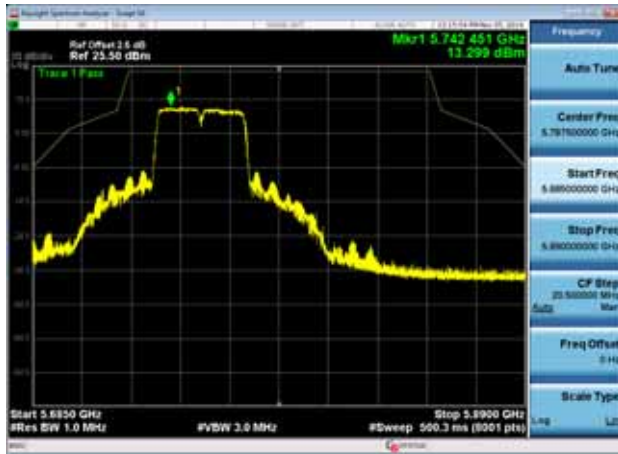
5550MHz PK



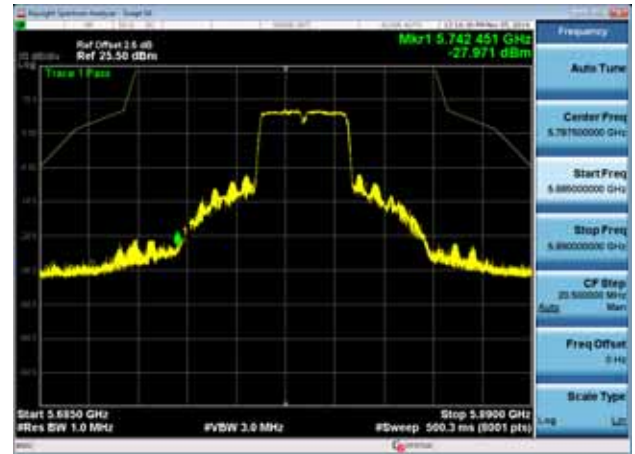
5550MHz AV



5755MHz PK

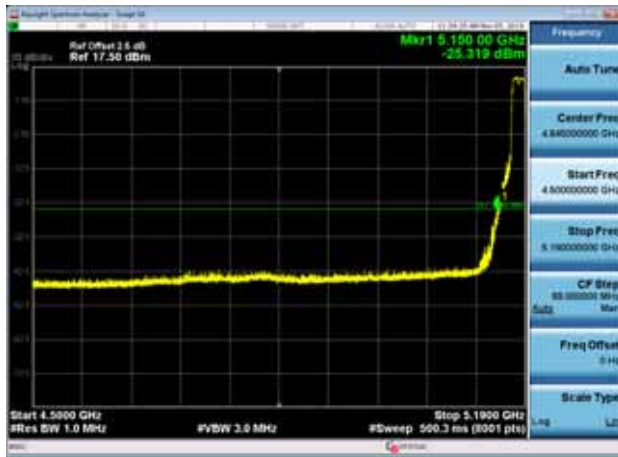


5795MHz PK

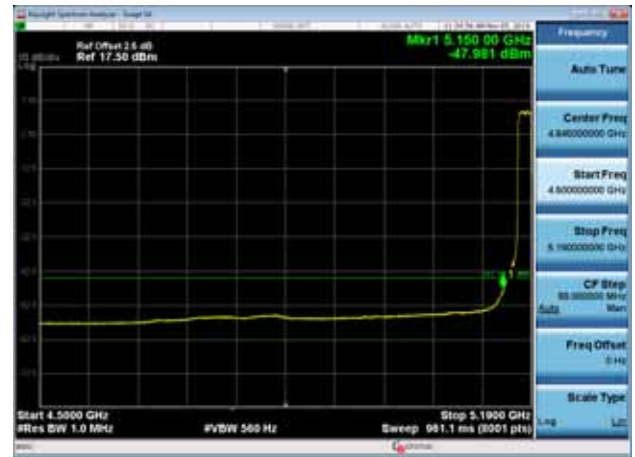


802.11ac(20MHz)

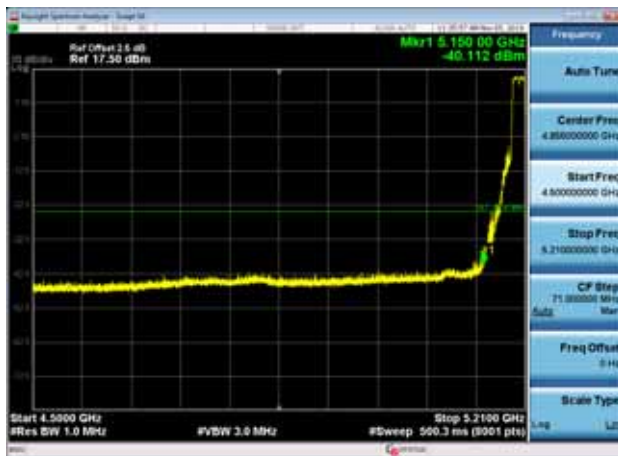
5180MHz PK



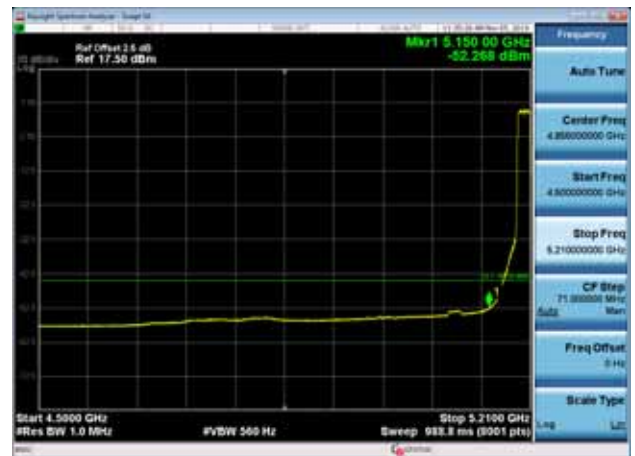
5180MHz AV



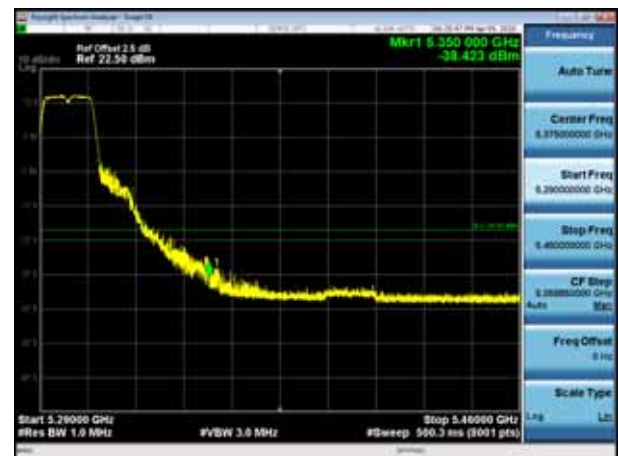
5200MHz PK



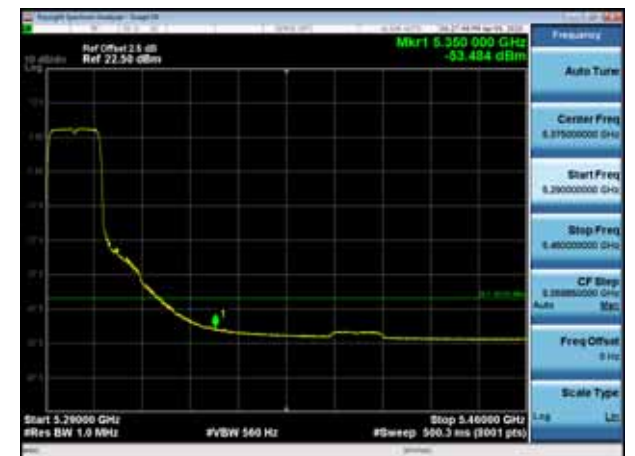
5200MHz AV



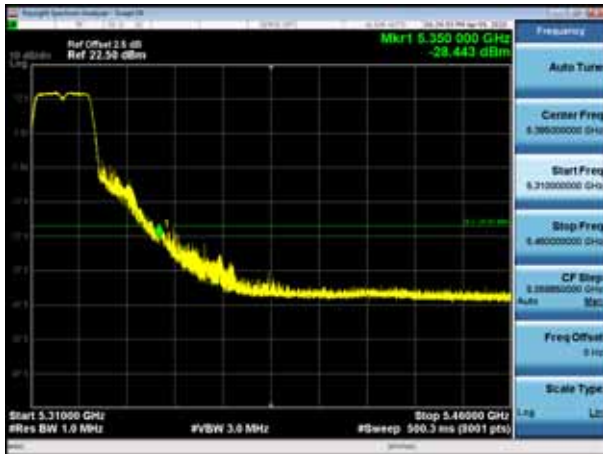
5300MHz PK



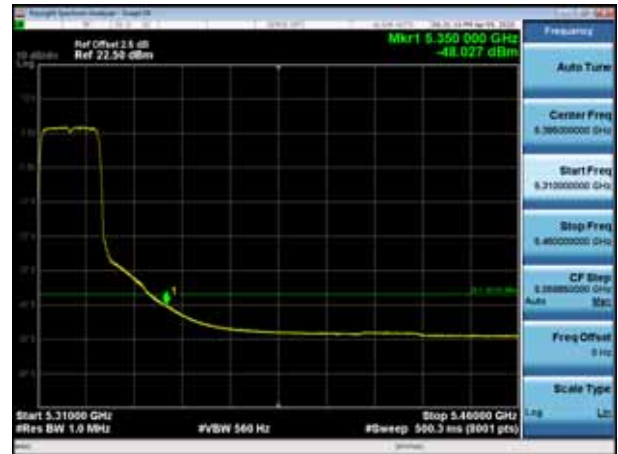
5300MHz AV



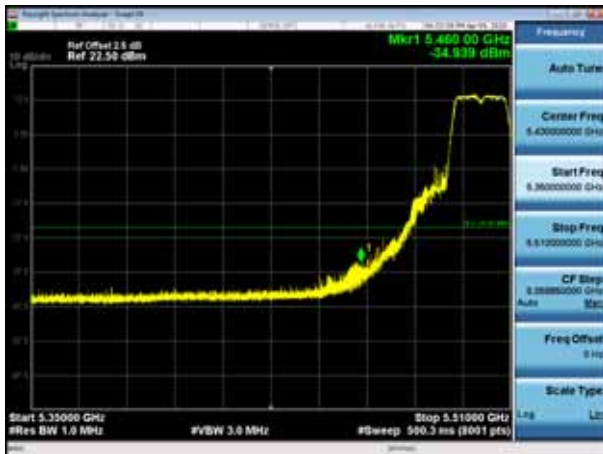
5320MHz PK



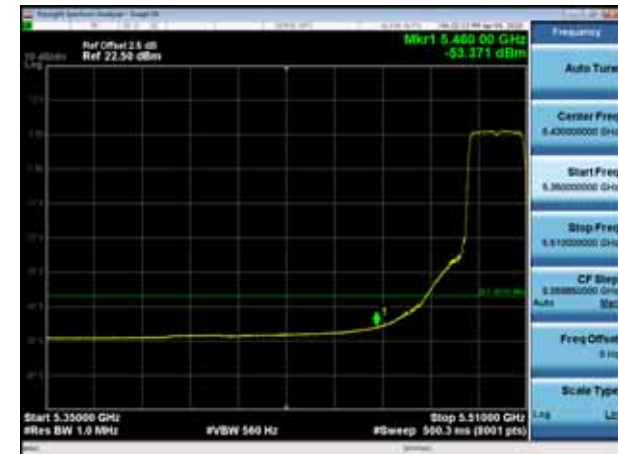
5320MHz AV



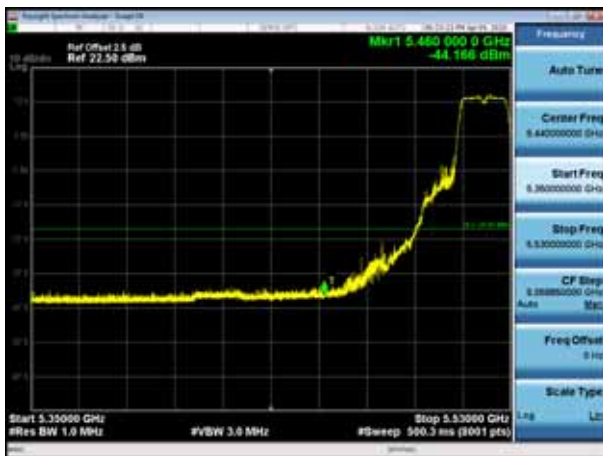
5500MHz PK



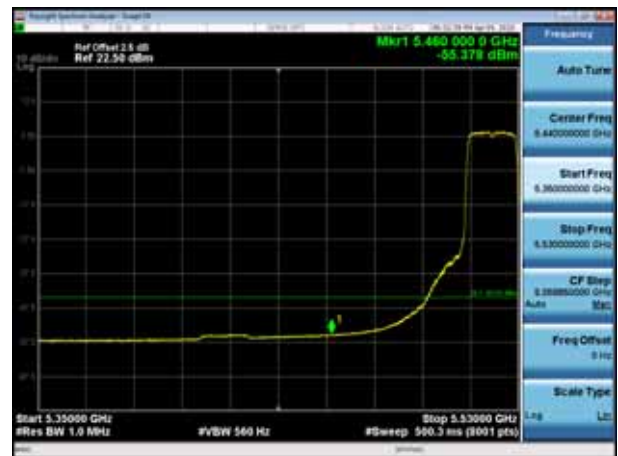
5500MHz AV



5520MHz PK

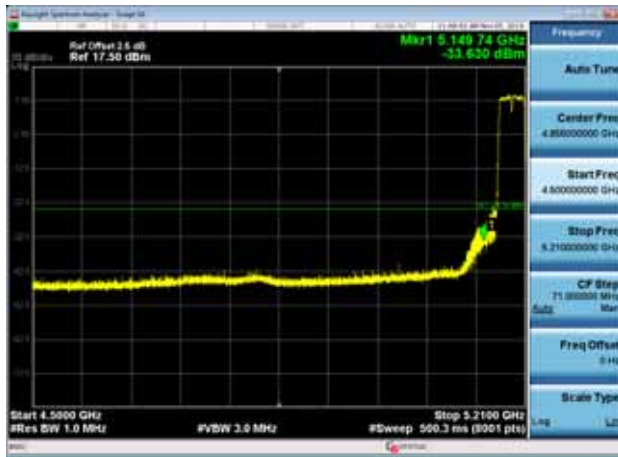


5520MHz AV

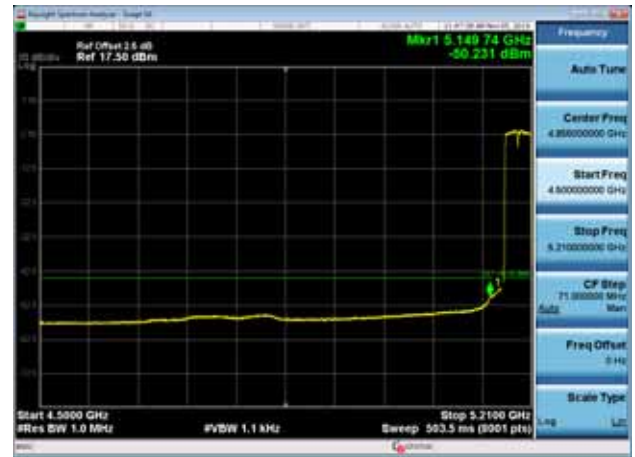


802.11ac(40MHz)

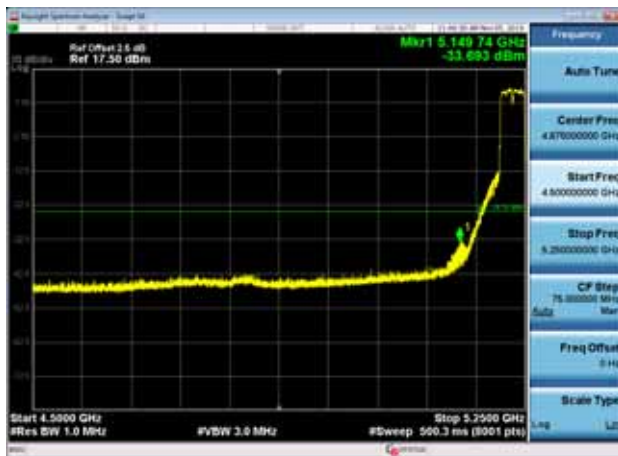
5190MHz PK



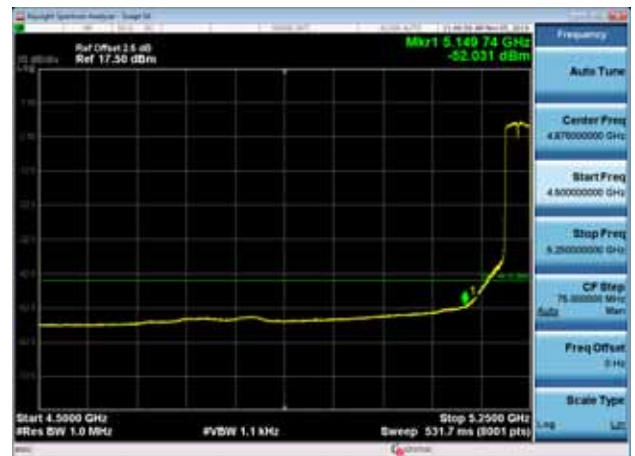
5190MHz AV



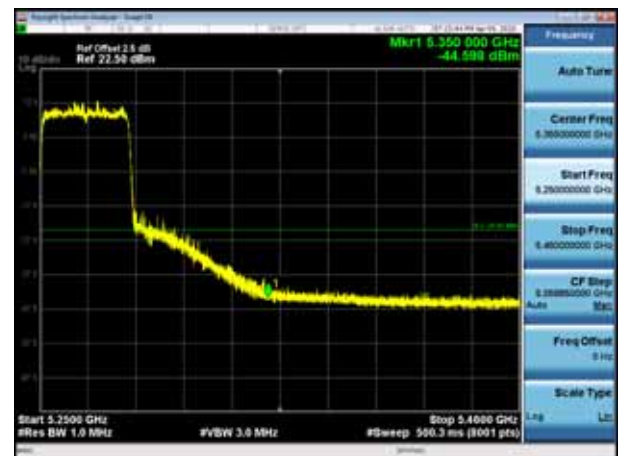
5230MHz PK



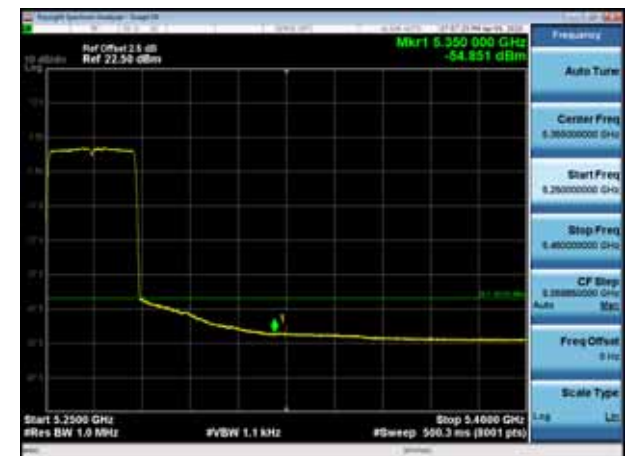
5230MHz AV



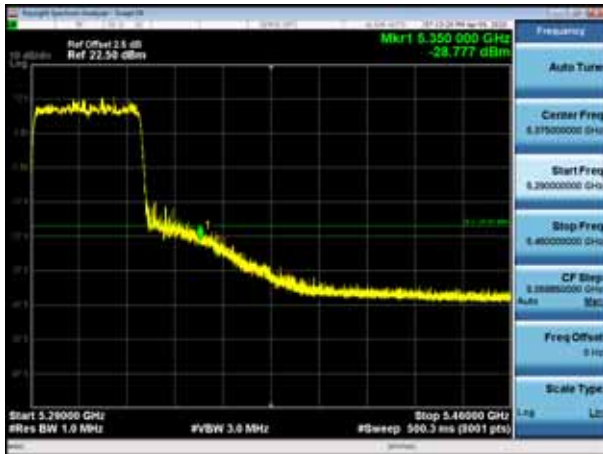
5270MHz PK



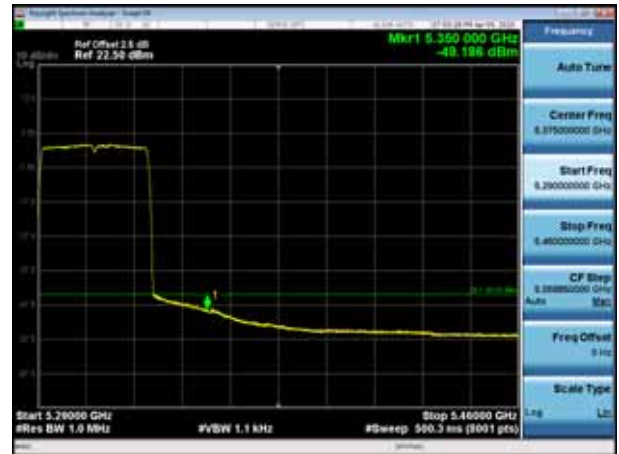
5270MHz AV



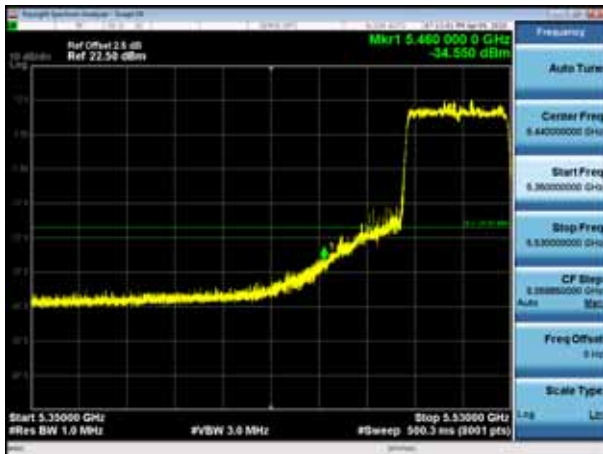
5310MHz PK



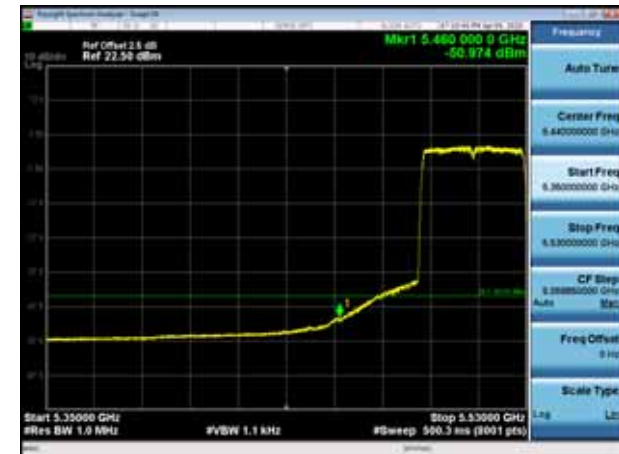
5310MHz AV



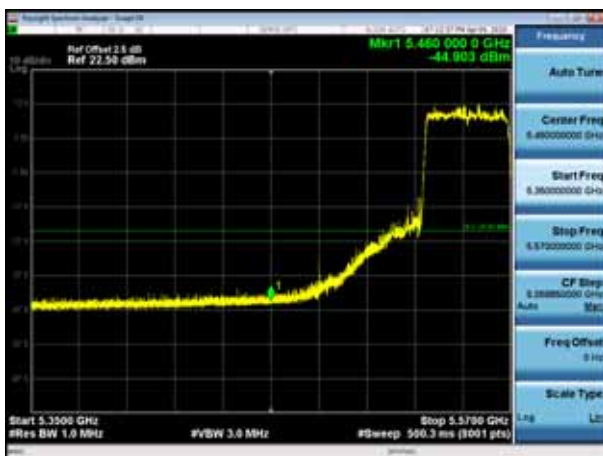
5510MHz PK



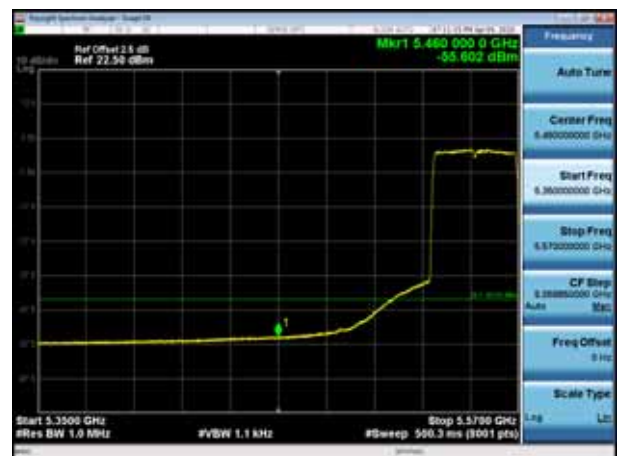
5510MHz AV



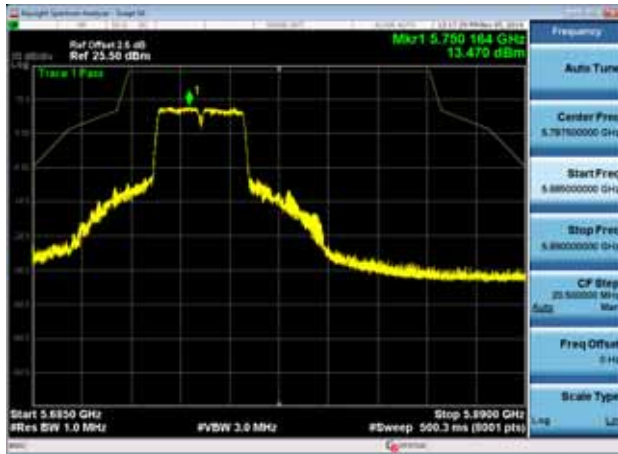
5550MHz PK



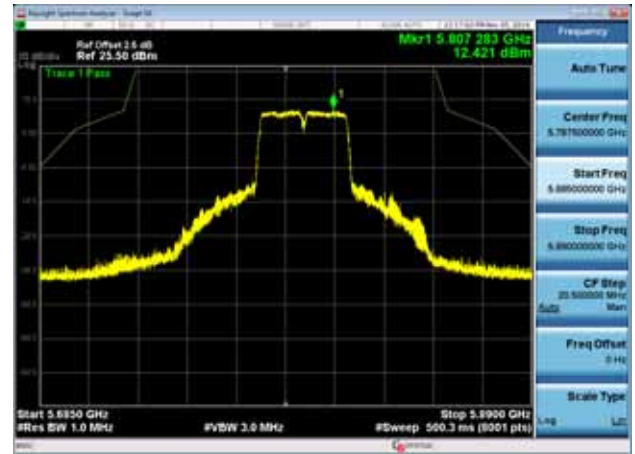
5550MHz AV



5755MHz PK

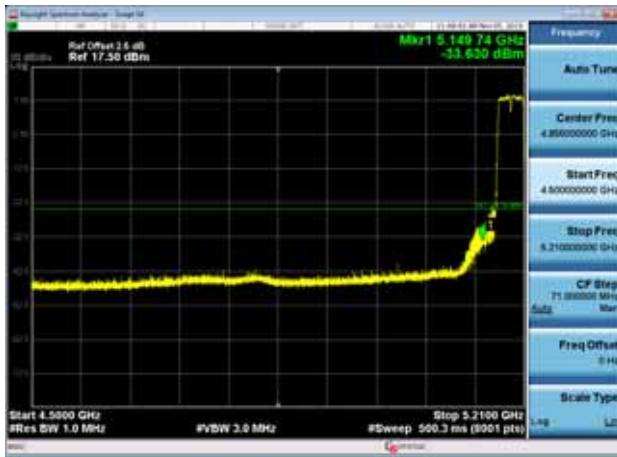


5795MHz PK

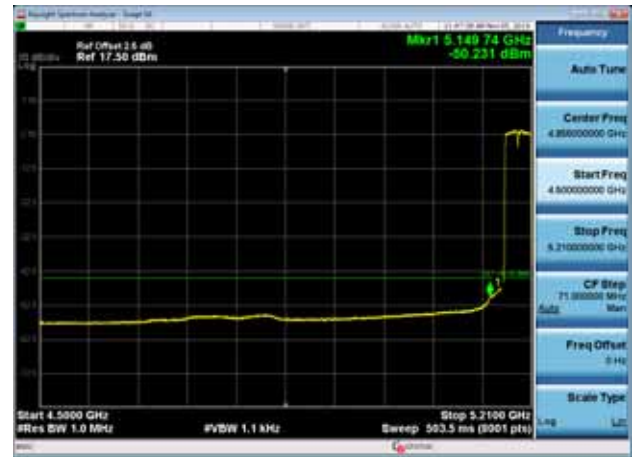


802.11ac(80MHz)

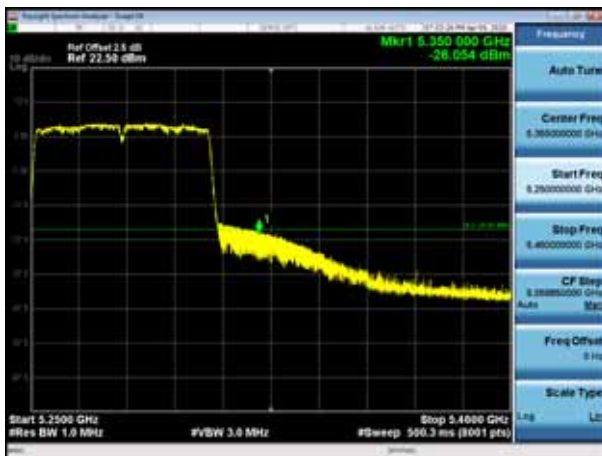
5210MHz PK



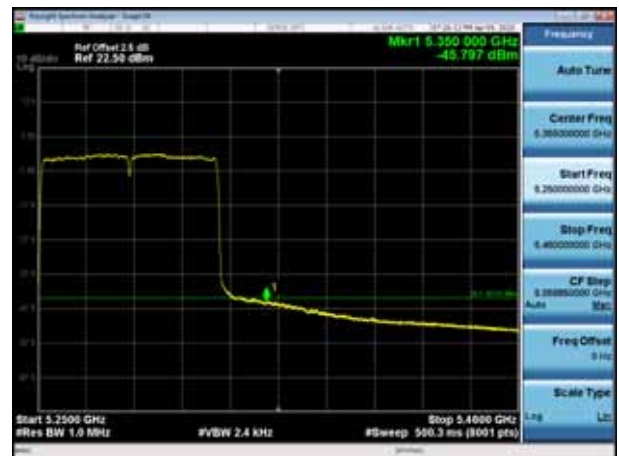
5210MHz AV



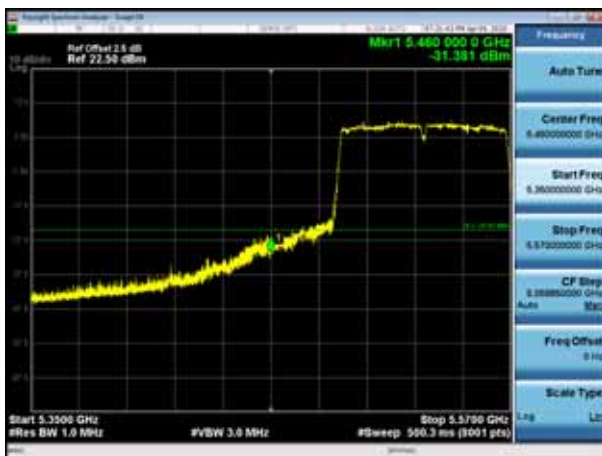
5290MHz PK



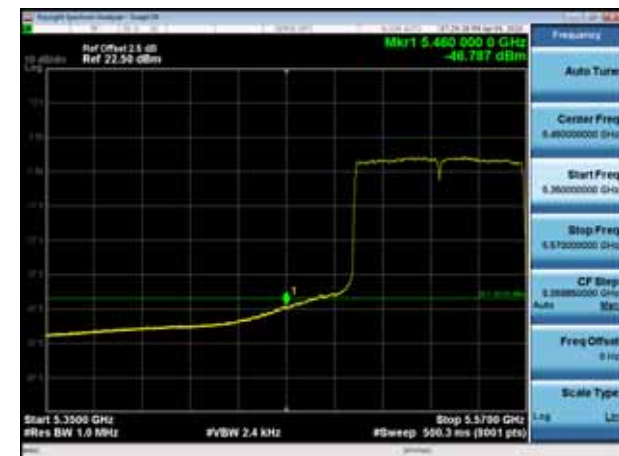
5290MHz AV



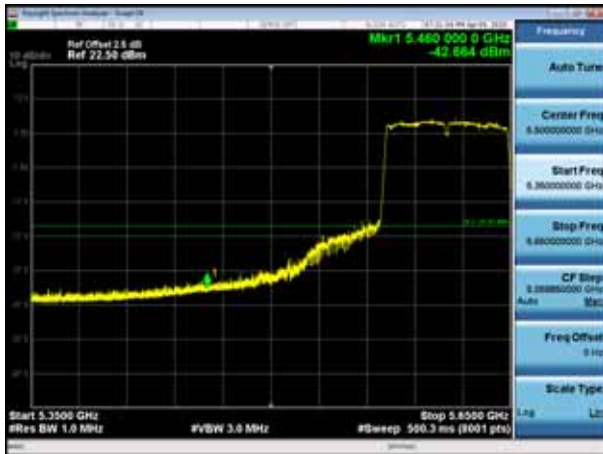
5530MHz PK



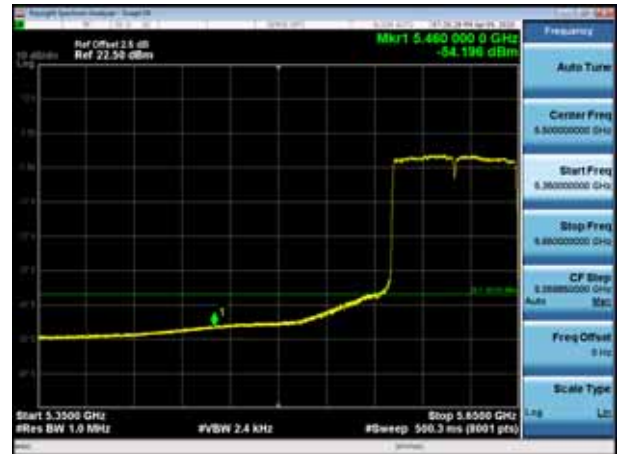
5530MHz AV



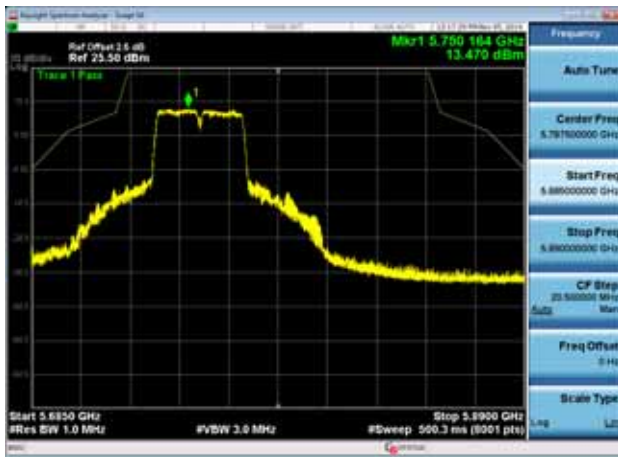
5610MHz PK



5610MHz AV

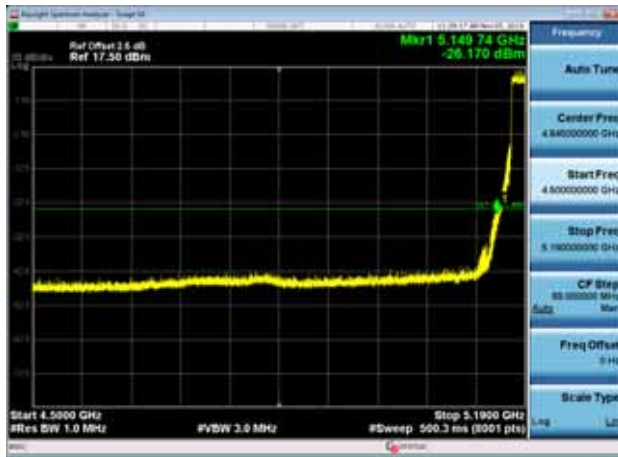


5775MHz PK

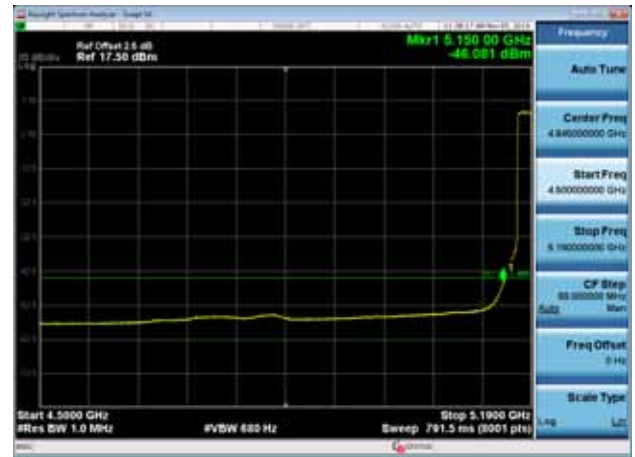


802.11ax(20MHz)

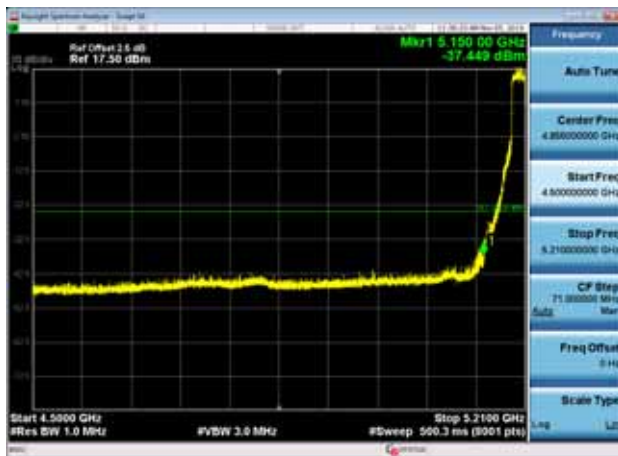
5180MHz PK



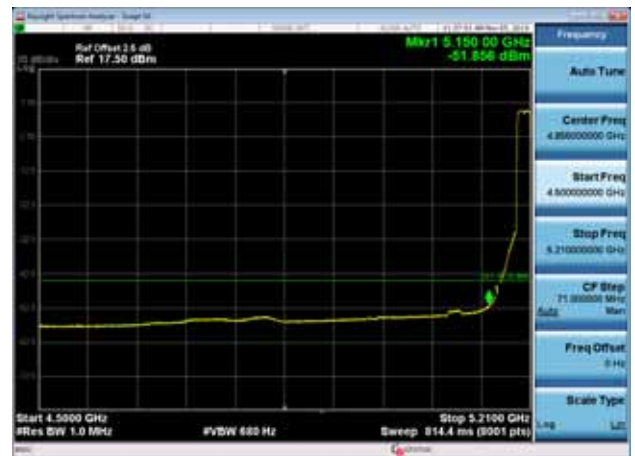
5180MHz AV



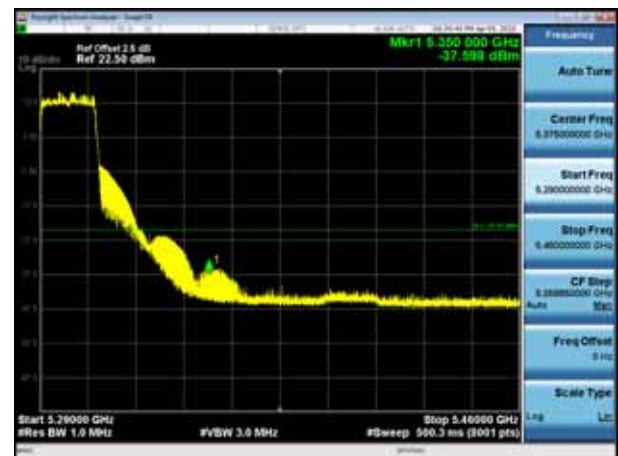
5200MHz PK



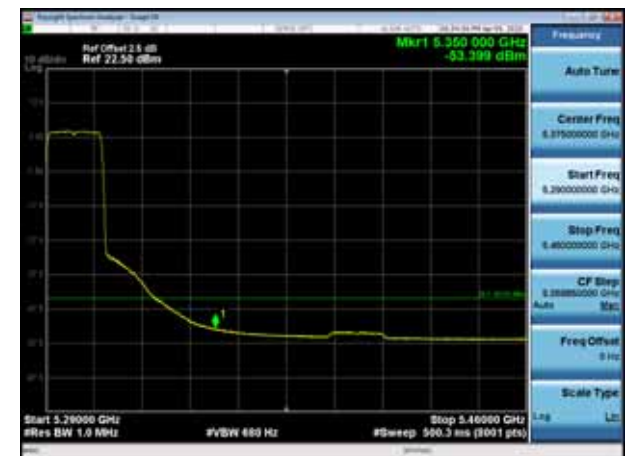
5200MHz AV



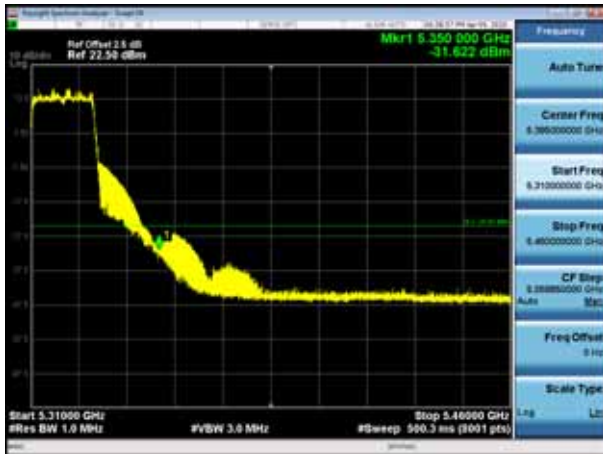
5300MHz PK



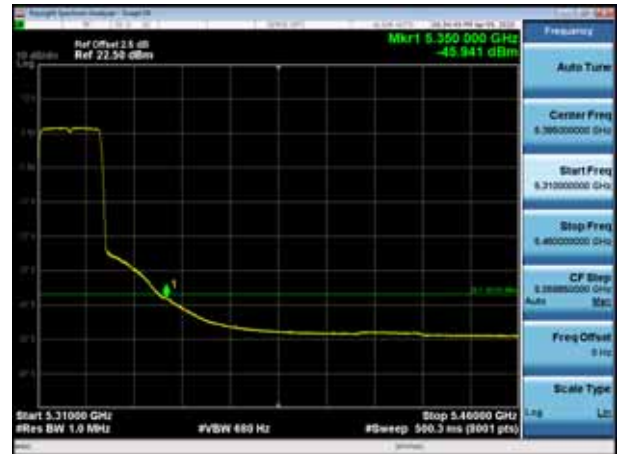
5300MHz AV



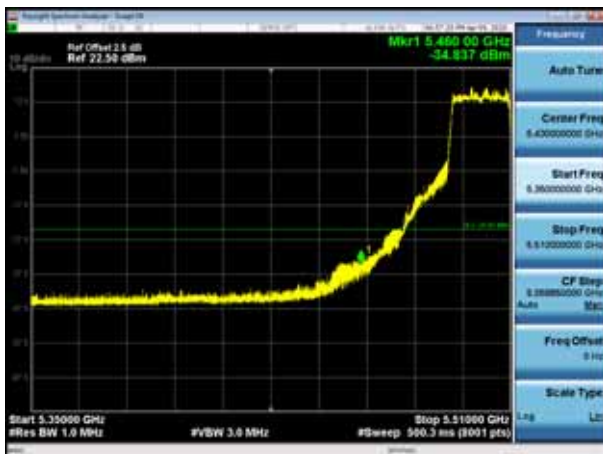
5320MHz PK



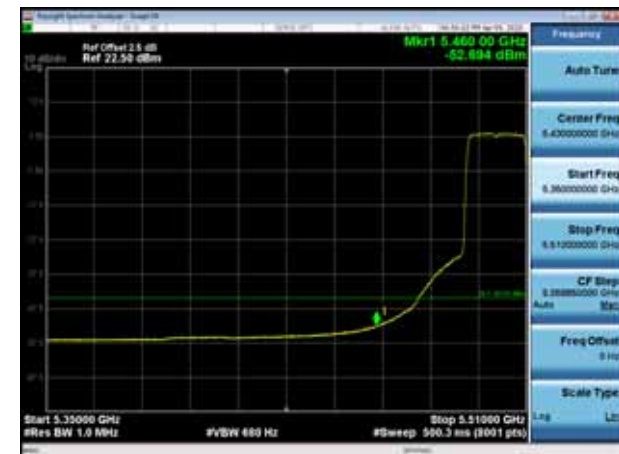
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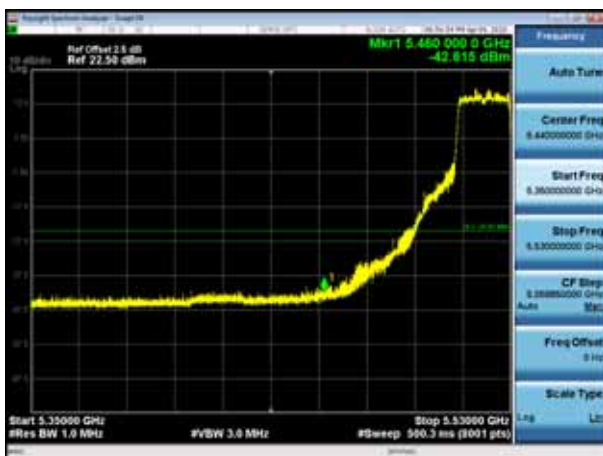
5500MHz PK



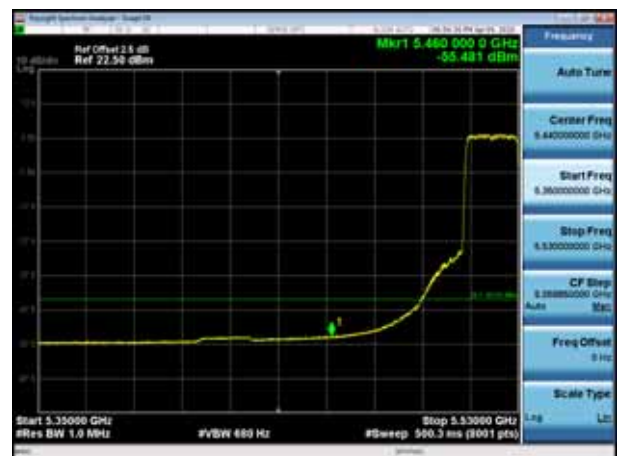
5500MHz AV



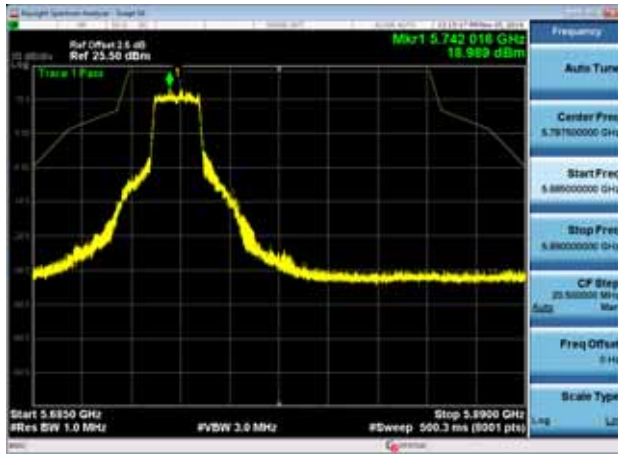
5520MHz PK



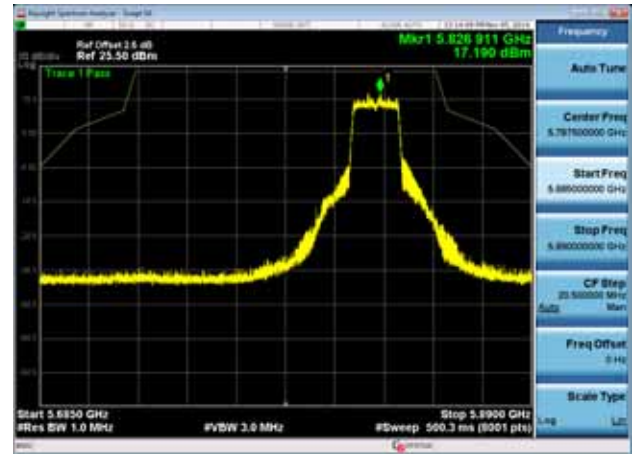
5520MHz AV



5745MHz PK

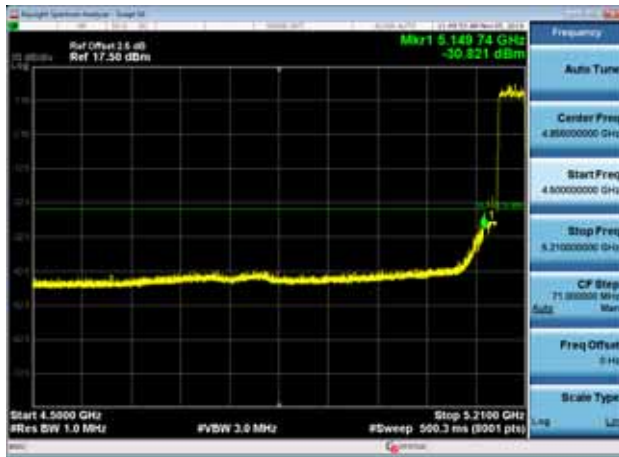


5825MHz PK

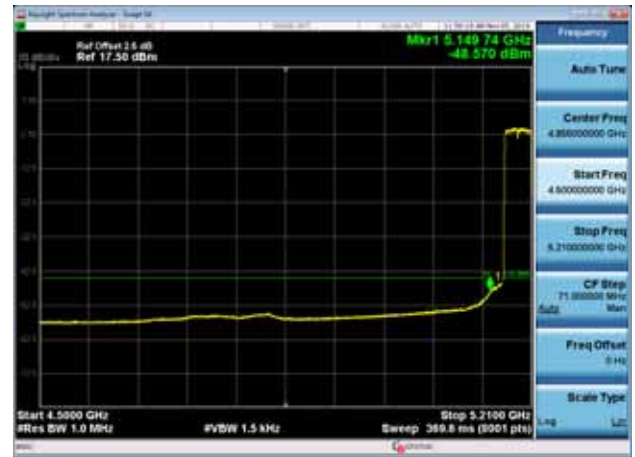


802.11ax(40MHz)

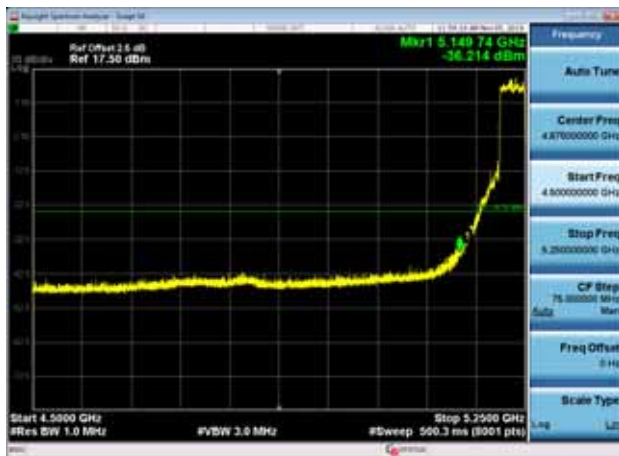
5190MHz PK



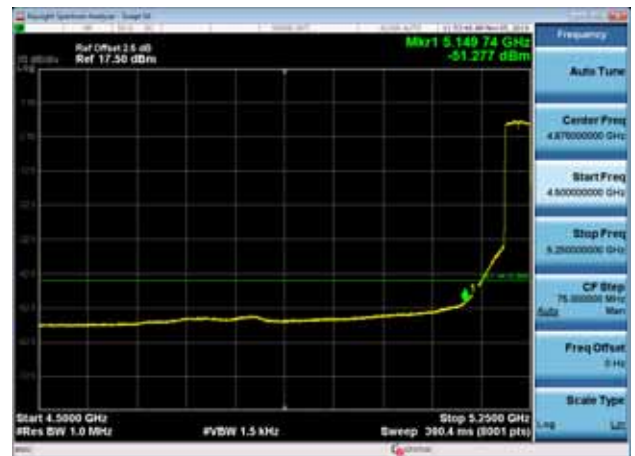
5190MHz AV



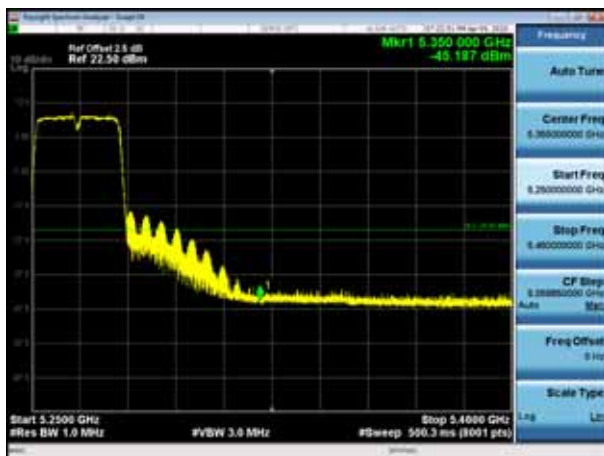
5230MHz PK



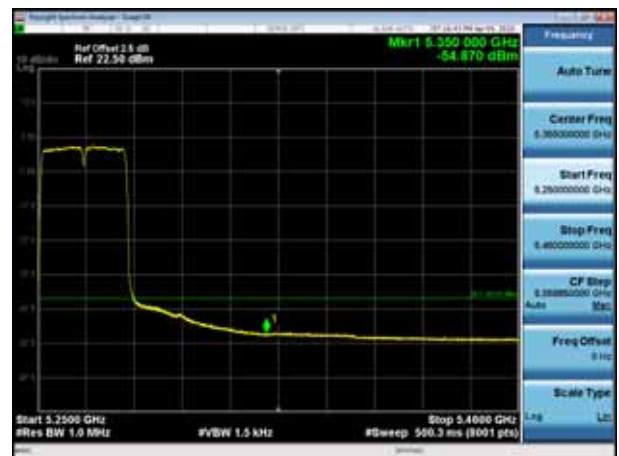
5230MHz AV



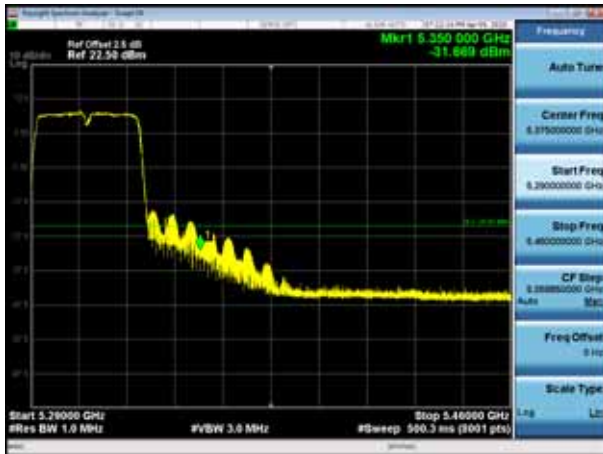
5270MHz PK



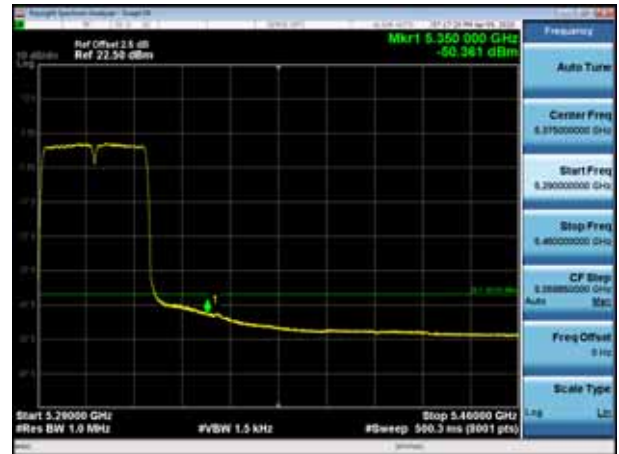
5270MHz AV



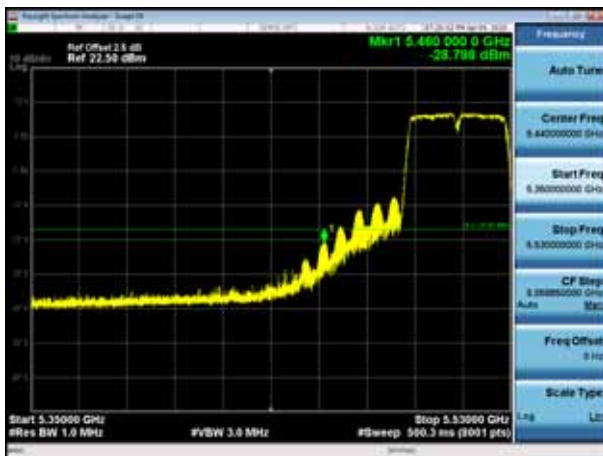
5310MHz PK



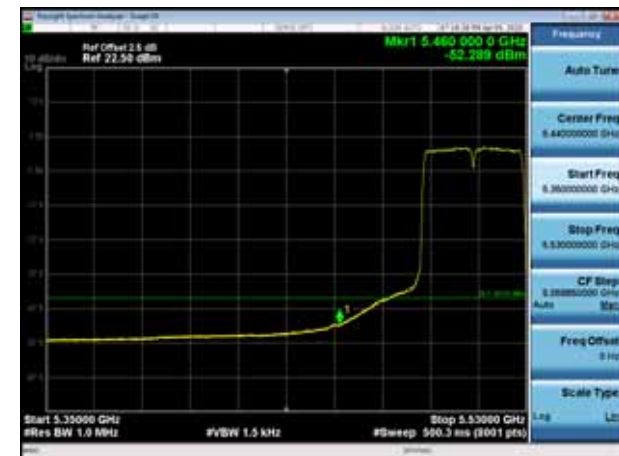
5310MHz AV



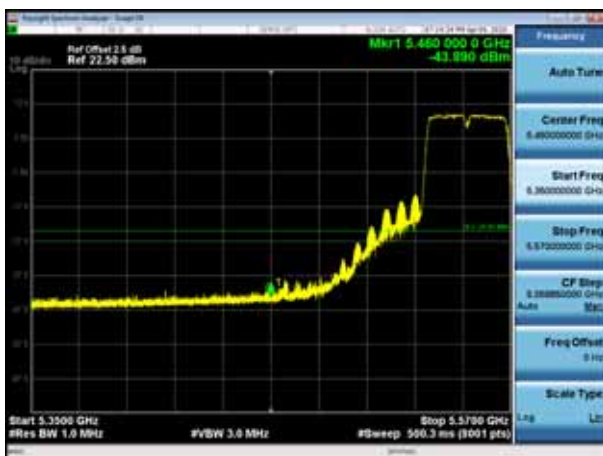
5510MHz PK



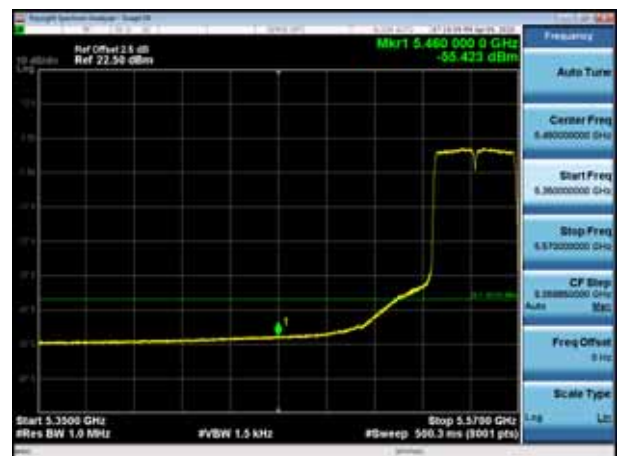
5510MHz AV



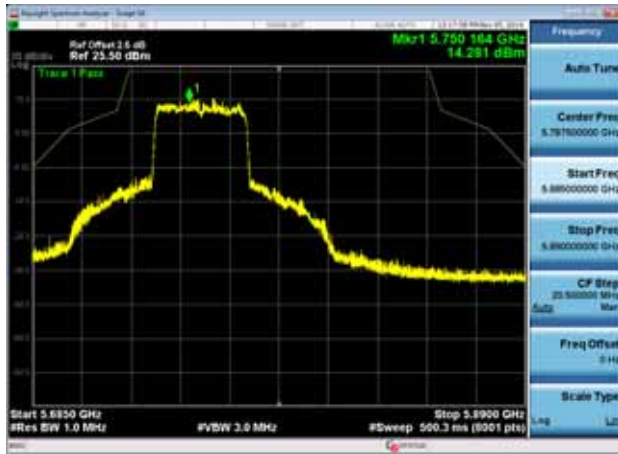
5550MHz PK



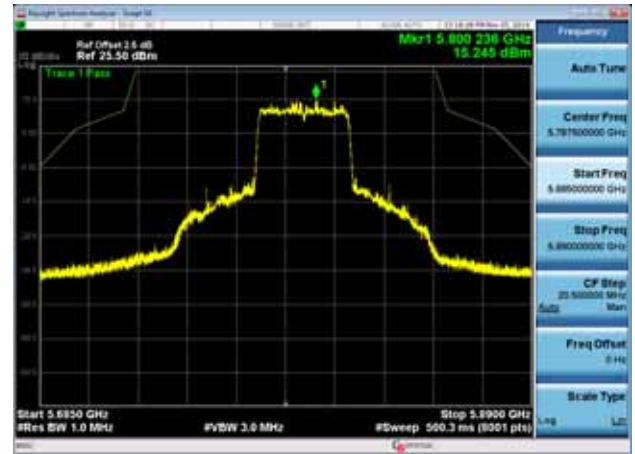
5550MHz AV



5755MHz PK

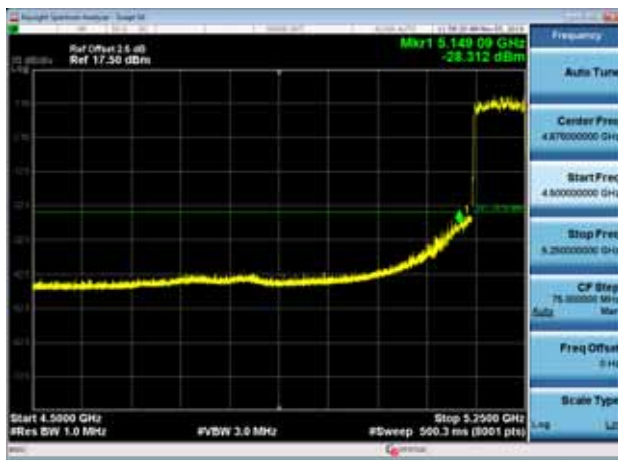


5795MHz PK

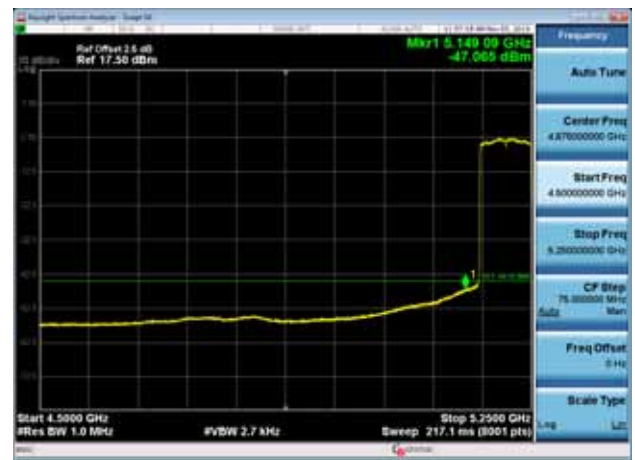


802.11ax(80MHz)

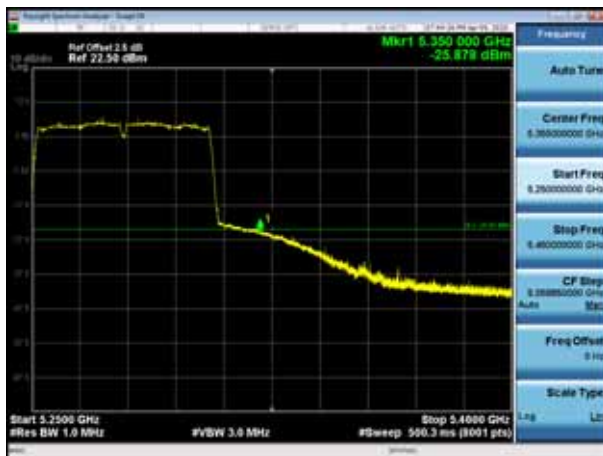
5210MHz PK



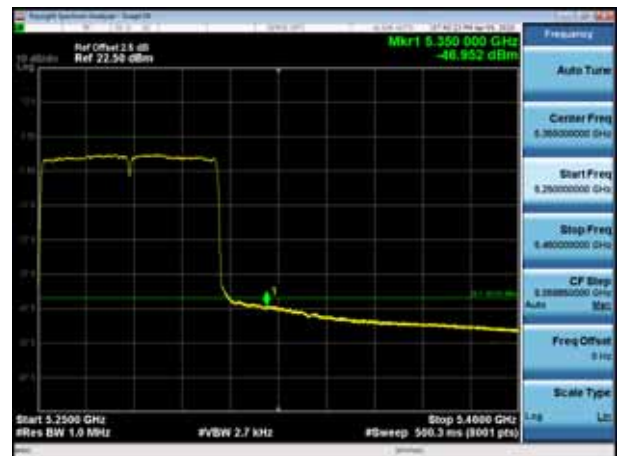
5210MHz AV



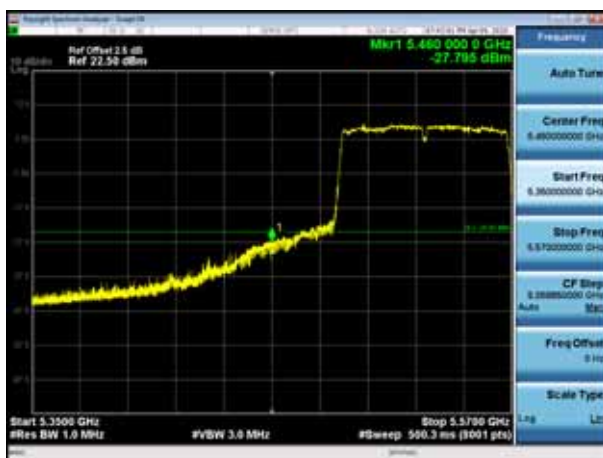
5290MHz PK



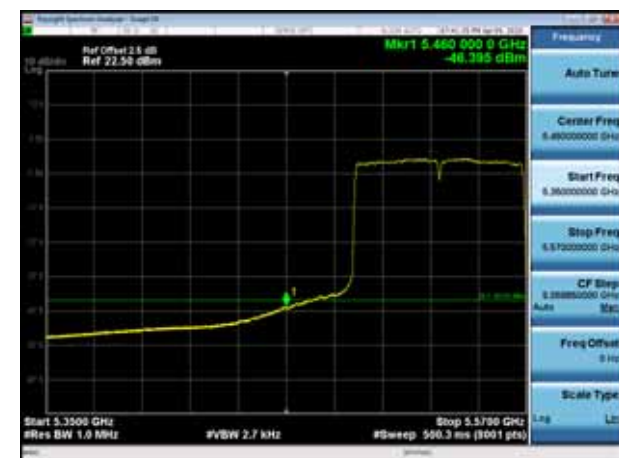
5290MHz AV



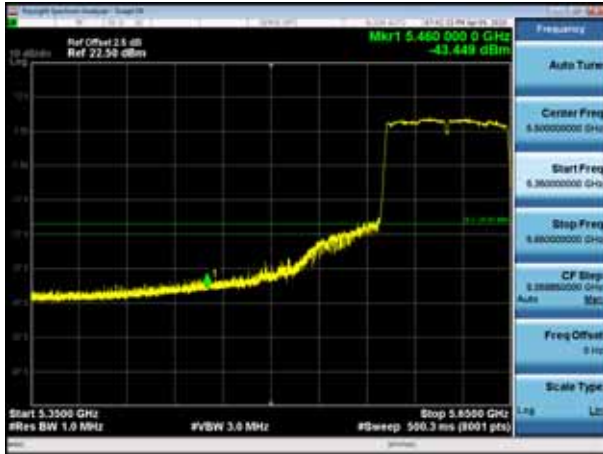
5530MHz PK



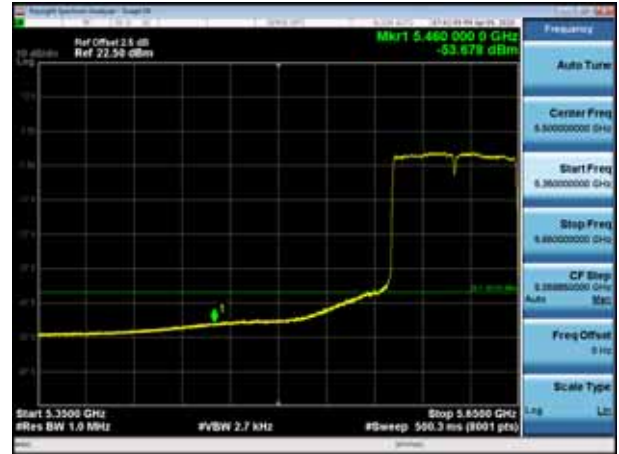
5530MHz AV



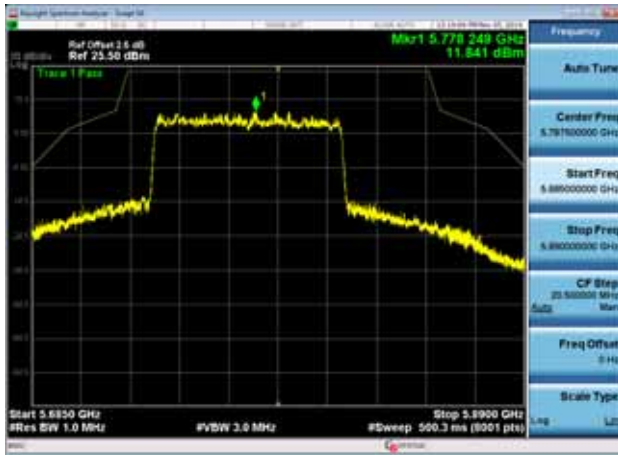
5610MHz PK



5610MHz AV

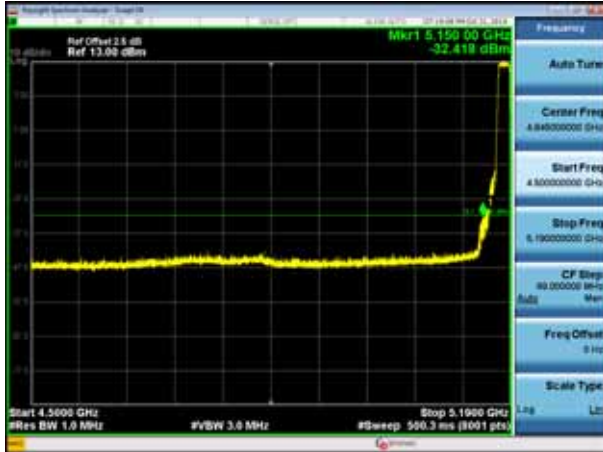


5775MHz PK

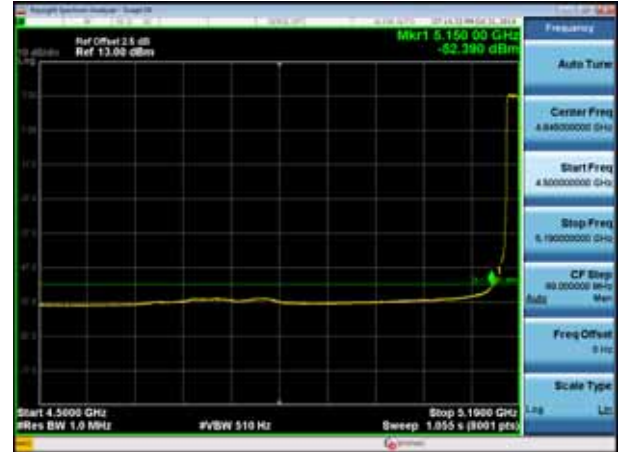


**Radio 2:
802.11a**

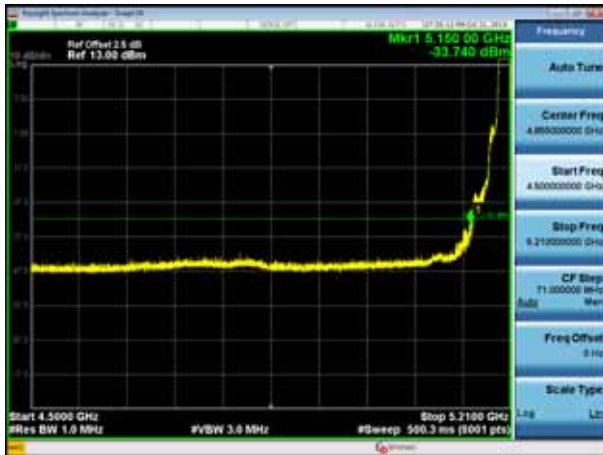
5180MHz with 2*2 CDD PK



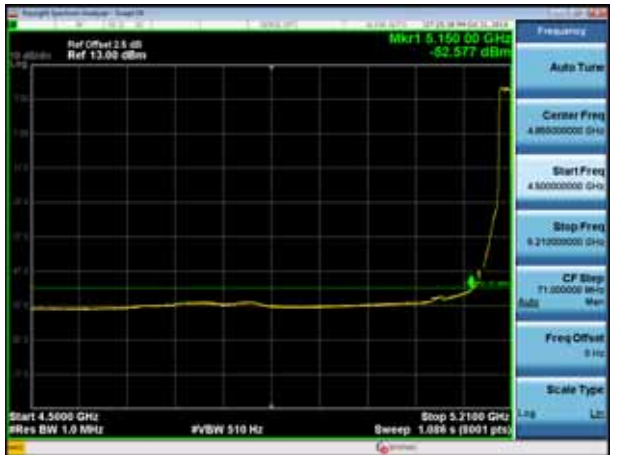
5180MHz with 2*2 CDD AV



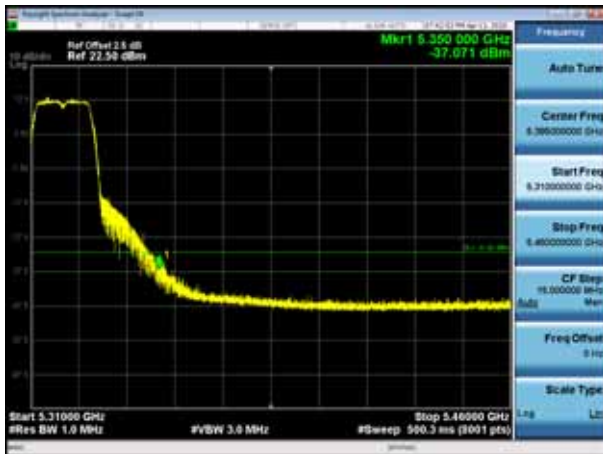
5200MHz with 2*2 CDD PK



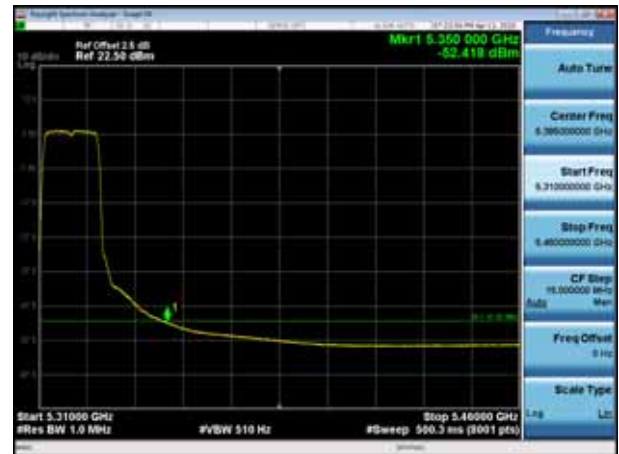
5200MHz with 2*2 CDD AV



5320MHz with 2*2 CDD PK

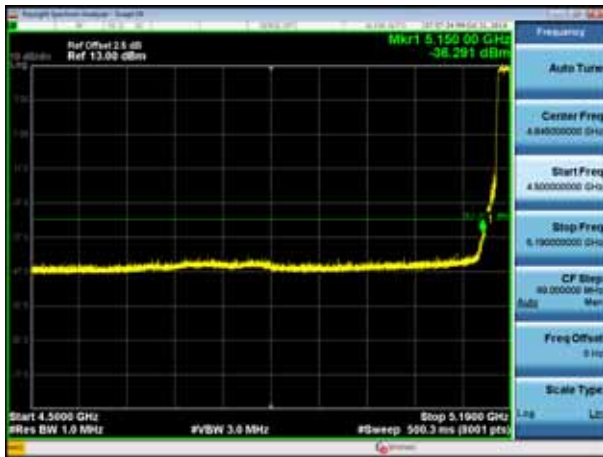


5320MHz with 2*2 CDD AV

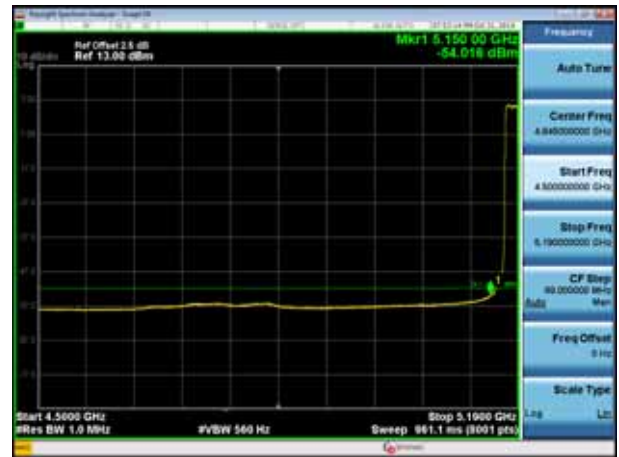


802.11n(20MHz)

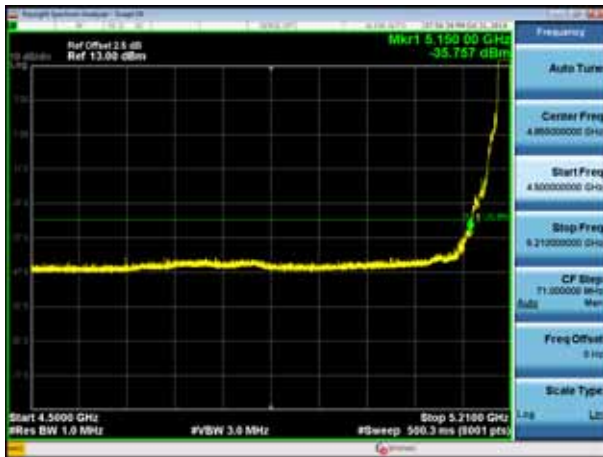
5180MHz with 2*2 CDD PK



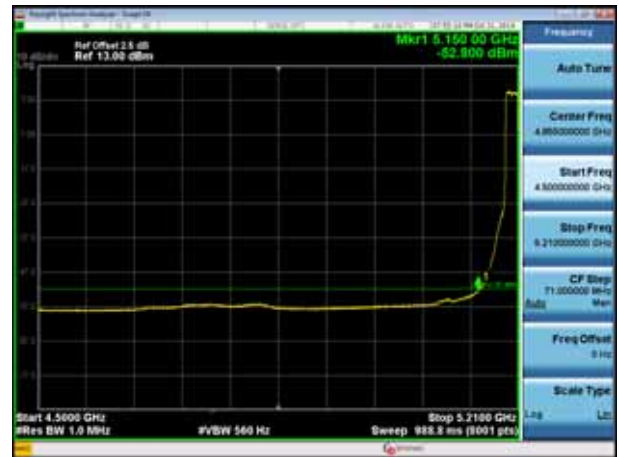
5180MHz with 2*2 CDD AV



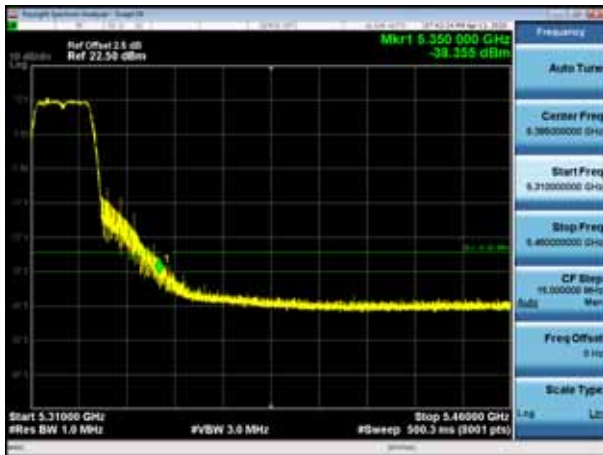
5200MHz with 2*2 CDD PK



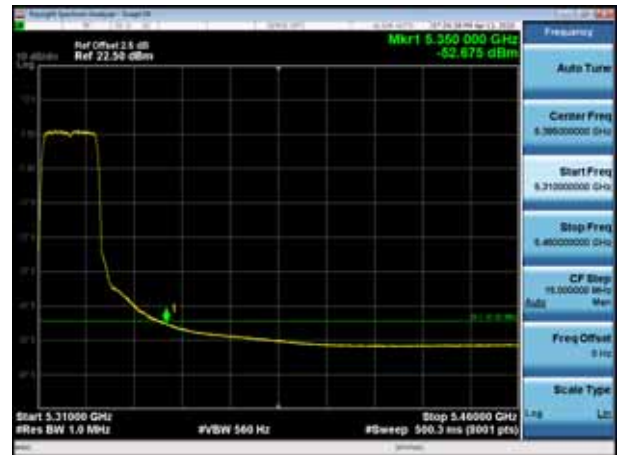
5200MHz with 2*2 CDD AV



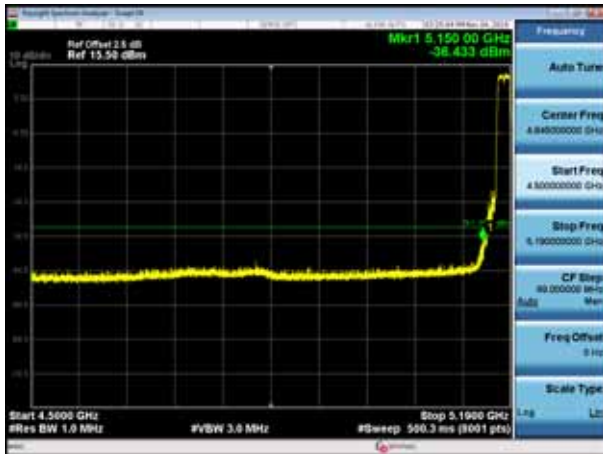
5320MHz with 2*2 CDD PK



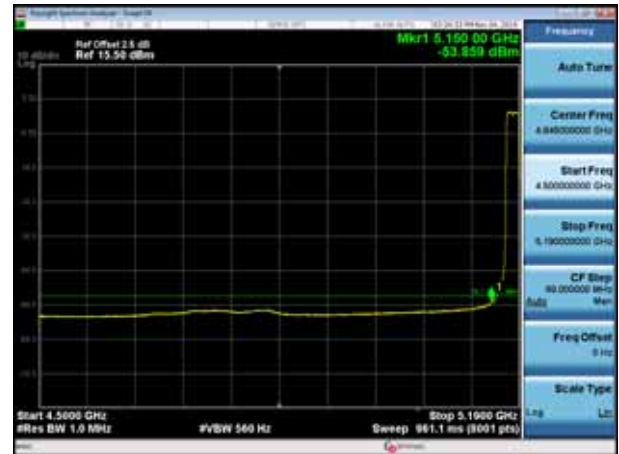
5320MHz with 2*2 CDD AV



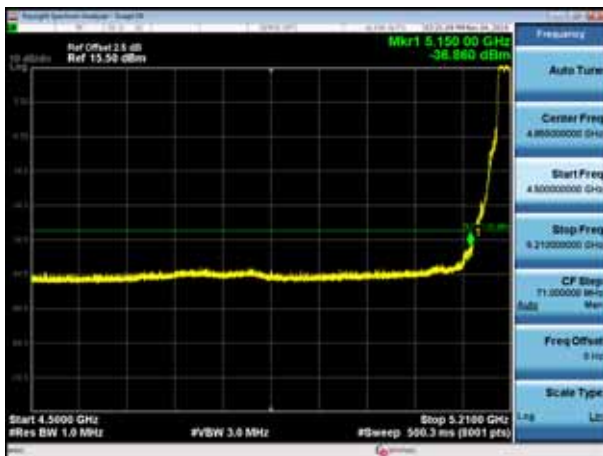
5180MHz with 2*2 Beamforming PK



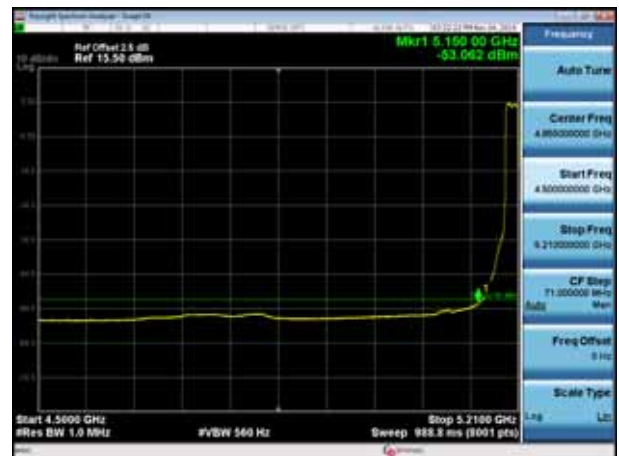
5180MHz with 2*2 Beamforming AV



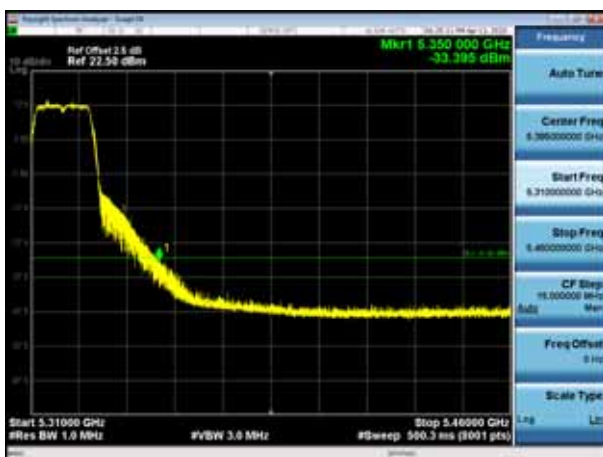
5200MHz with 2*2 Beamforming PK



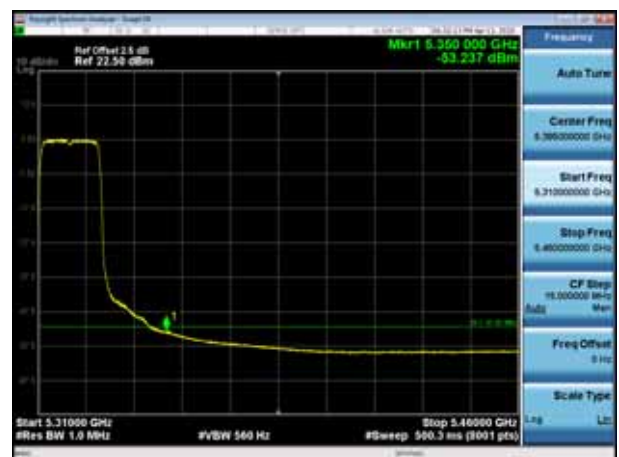
5200MHz with 2*2 Beamforming AV



5320MHz with 2*2 Beamforming PK

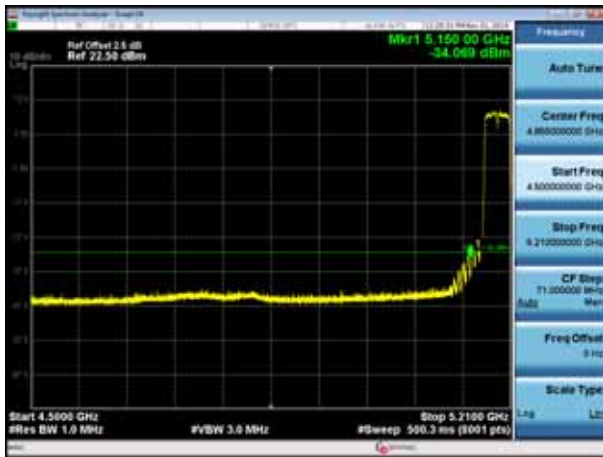


5320MHz with 2*2 Beamforming AV

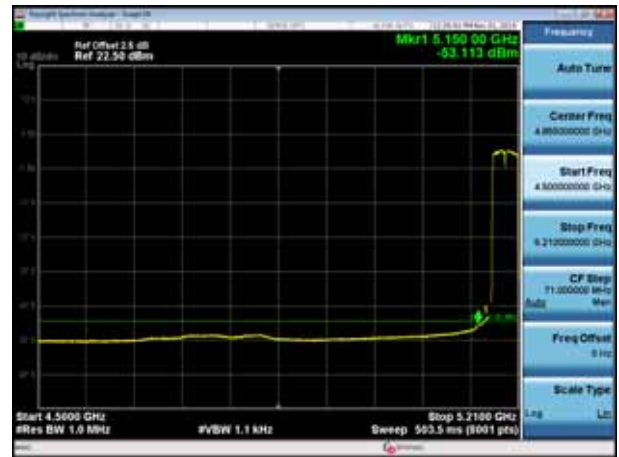


802.11n(40MHz)

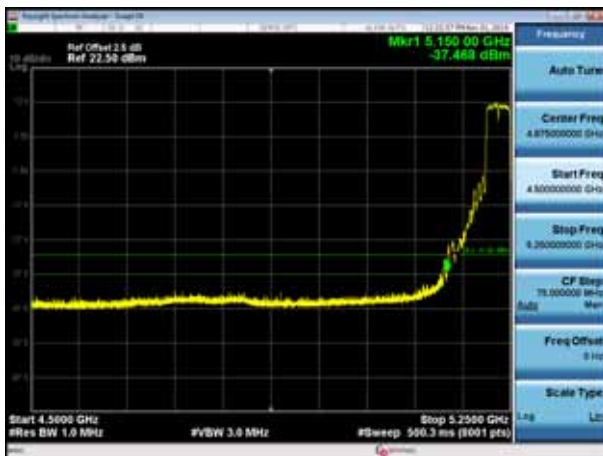
5190MHz with 2*2 CDD PK



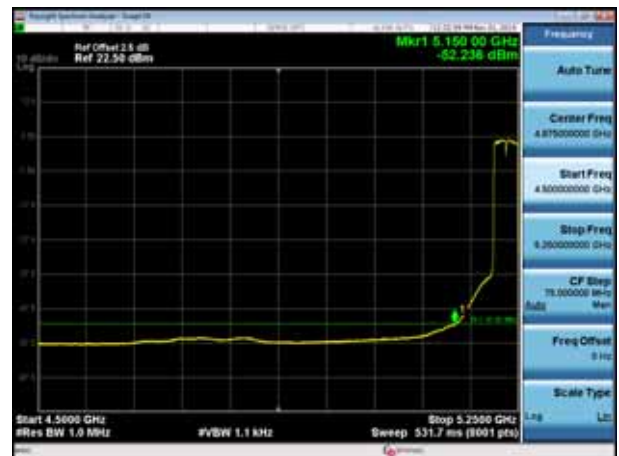
5190MHz with 2*2 CDD AV



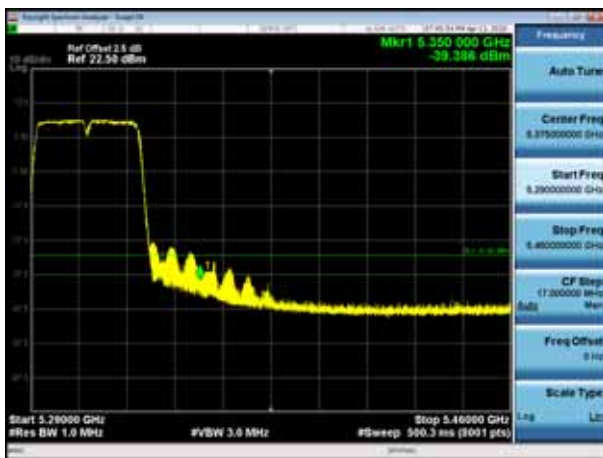
5230MHz with 2*2 CDD PK



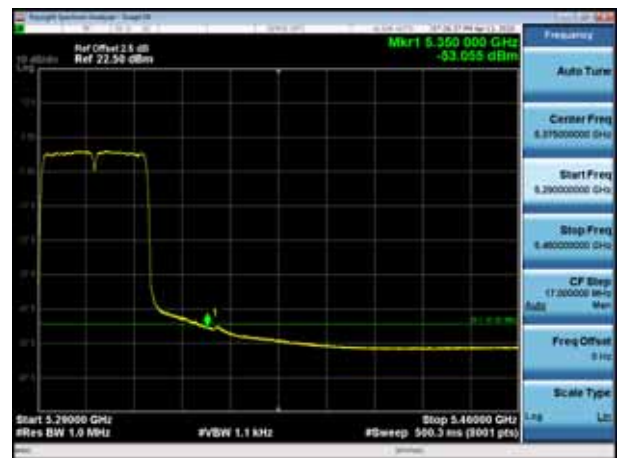
5230MHz with 2*2 CDD AV



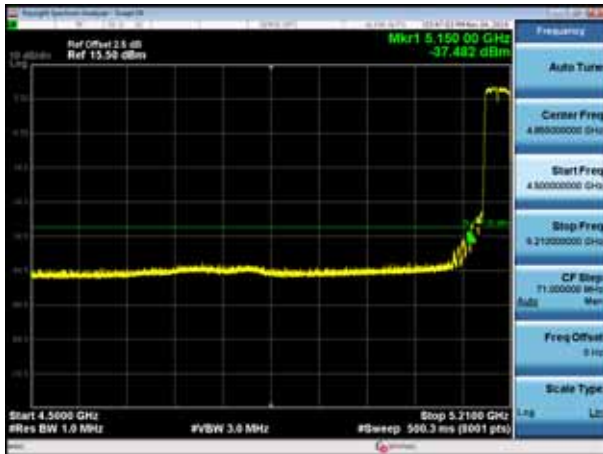
5310MHz with 2*2 CDD PK



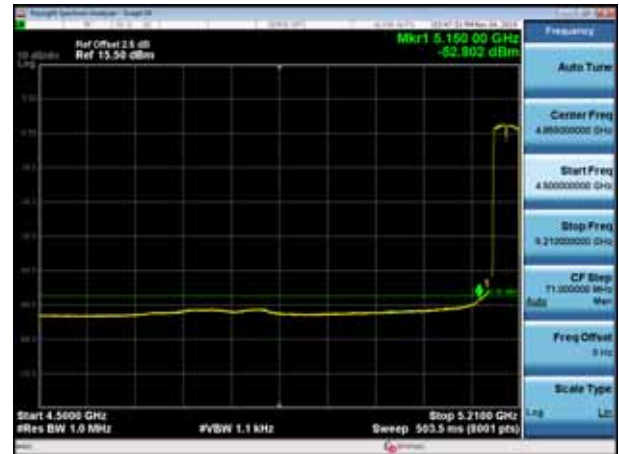
5310MHz with 2*2 CDD AV



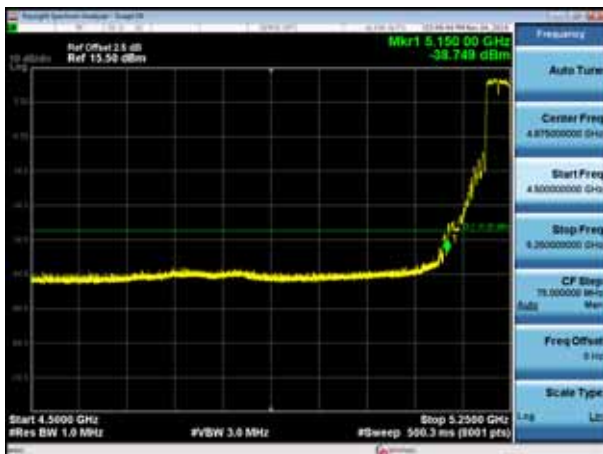
5190MHz with 2*2 Beamforming PK



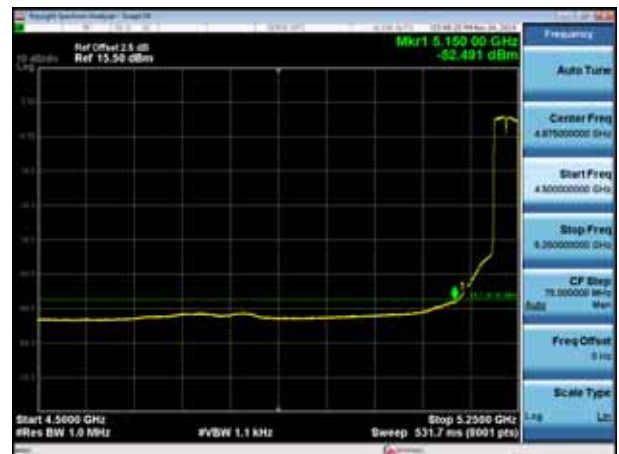
5190MHz with 2*2 Beamforming AV



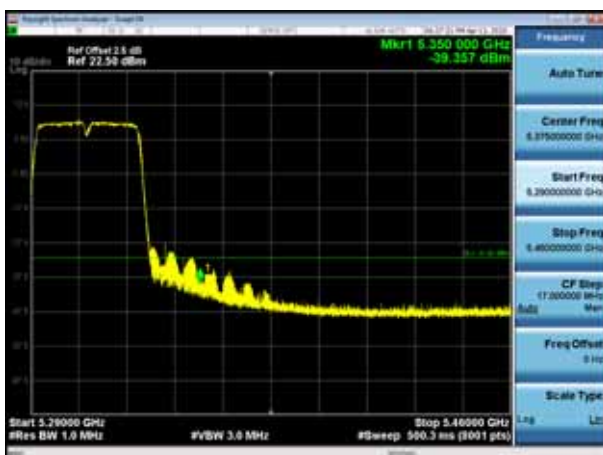
5230MHz with 2*2 Beamforming PK



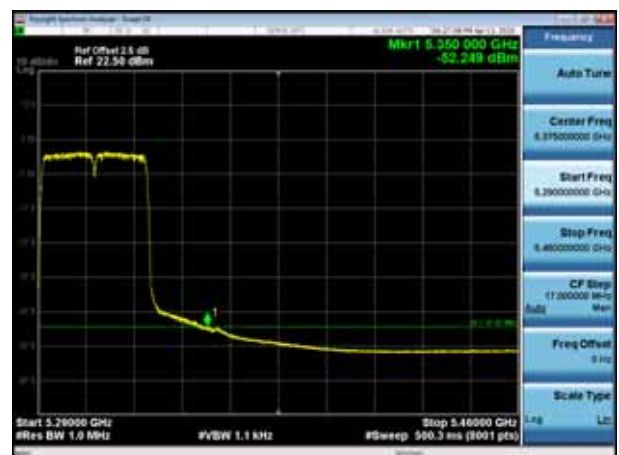
5230MHz with 2*2 Beamforming AV



5310MHz with 2*2 Beamforming PK

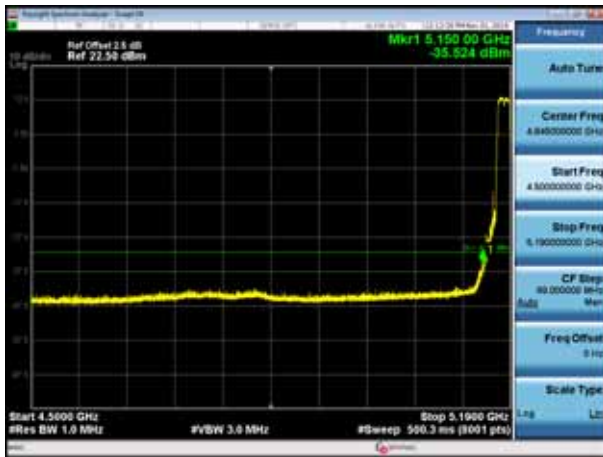


5310MHz with 2*2 Beamforming AV

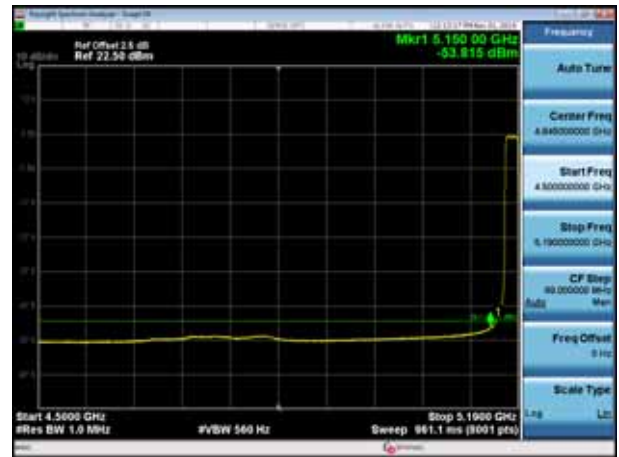


802.11ac(20MHz)

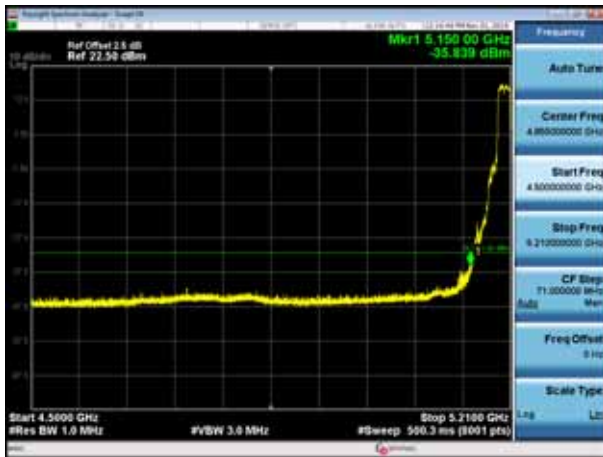
5180MHz with 2*2 CDD PK



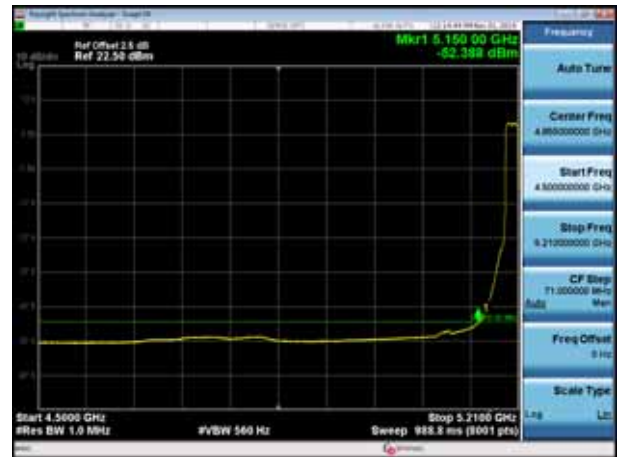
5180MHz with 2*2 CDD AV



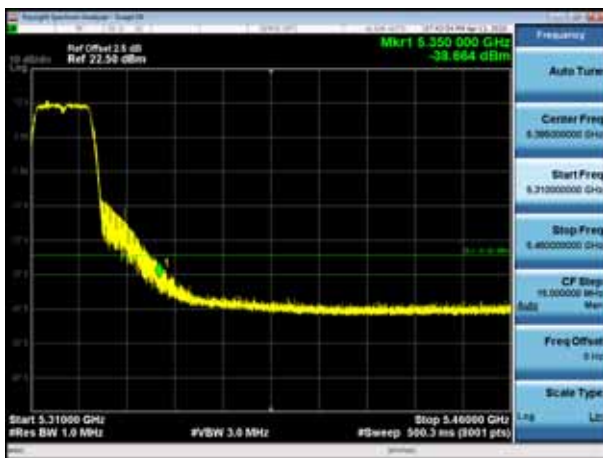
5200MHz with 2*2 CDD PK



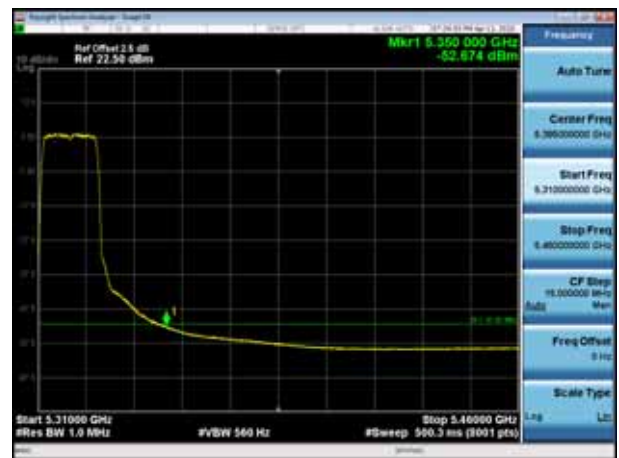
5200MHz with 2*2 CDD AV



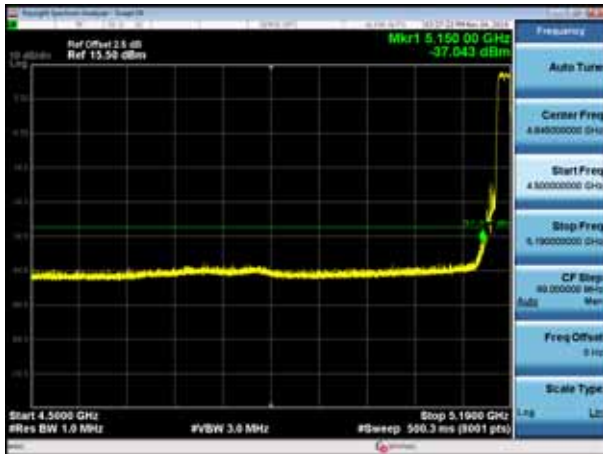
5320MHz with 2*2 CDD PK



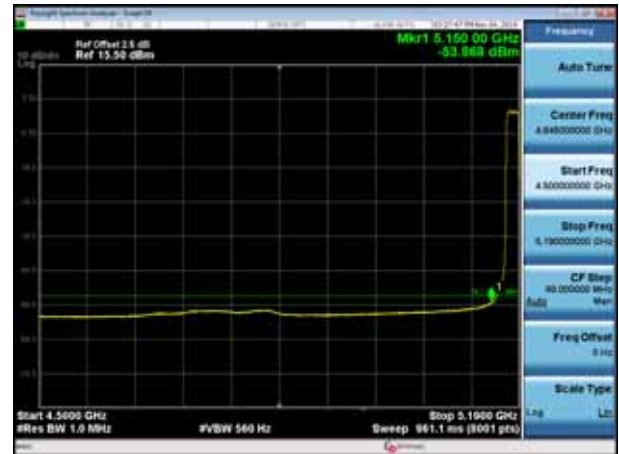
5320MHz with 2*2 CDD AV



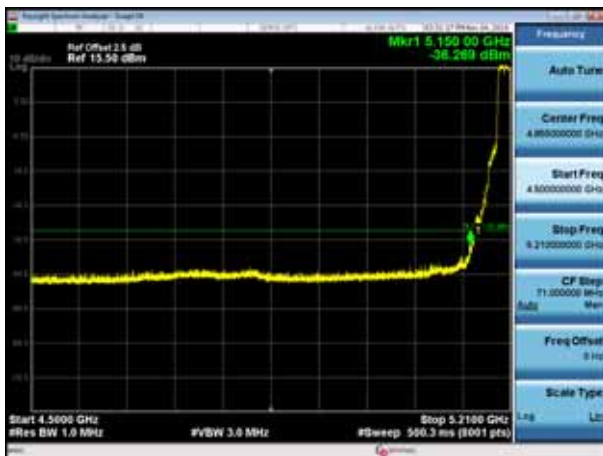
5180MHz with 2*2 Beamforming PK



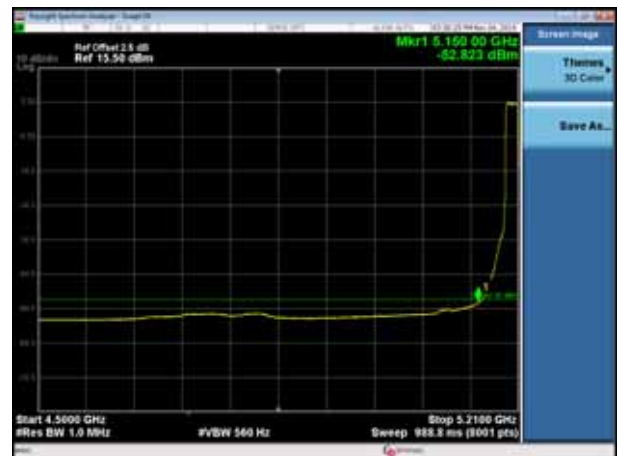
5180MHz with 2*2 Beamforming AV



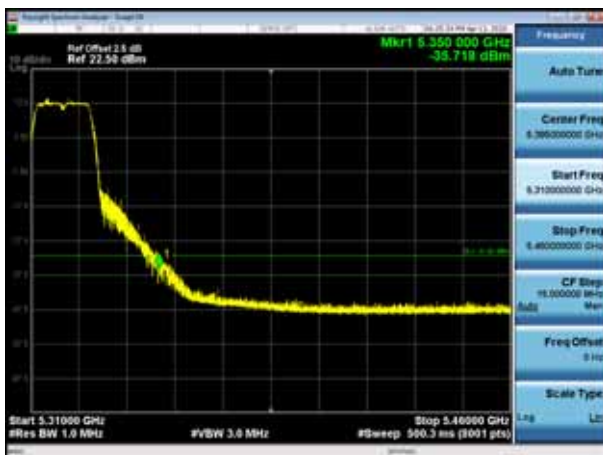
5200MHz with 2*2 Beamforming PK



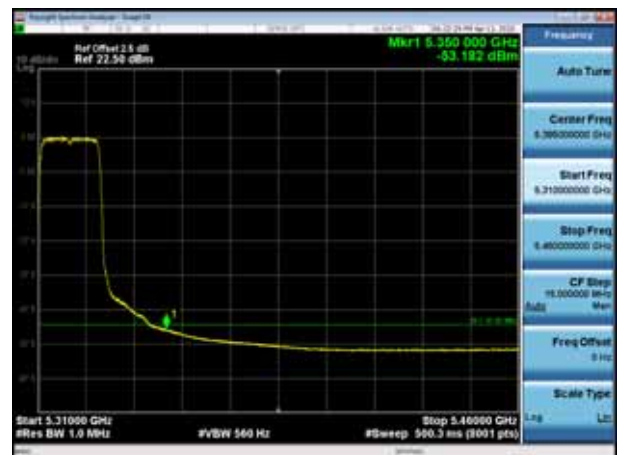
5200MHz with 2*2 Beamforming AV



5320MHz with 2*2 Beamforming PK

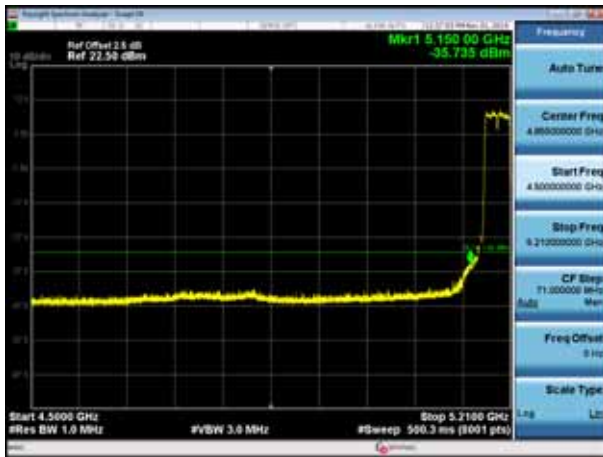


5320MHz with 2*2 Beamforming AV

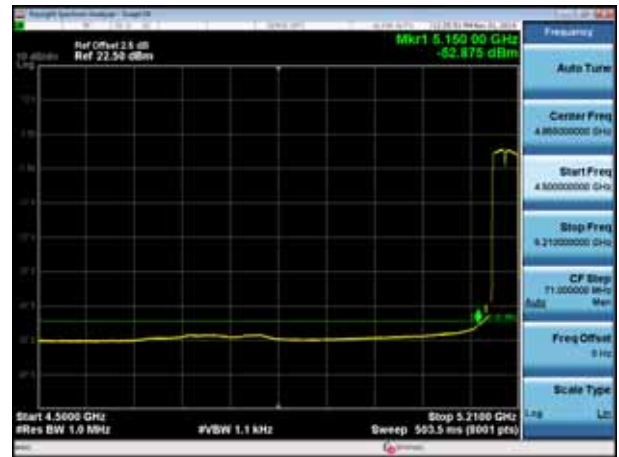


802.11ac(40MHz)

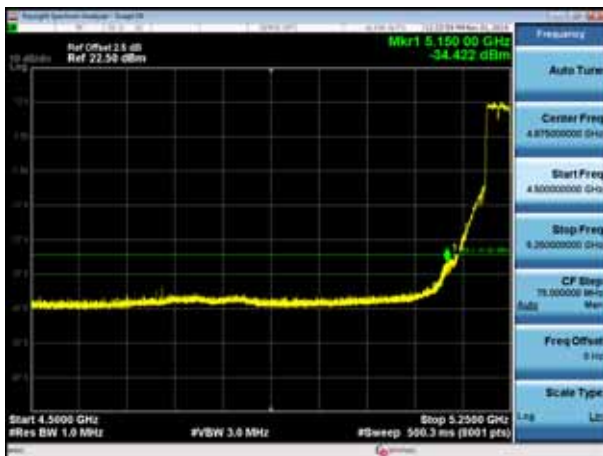
5190MHz with 2*2 CDD PK



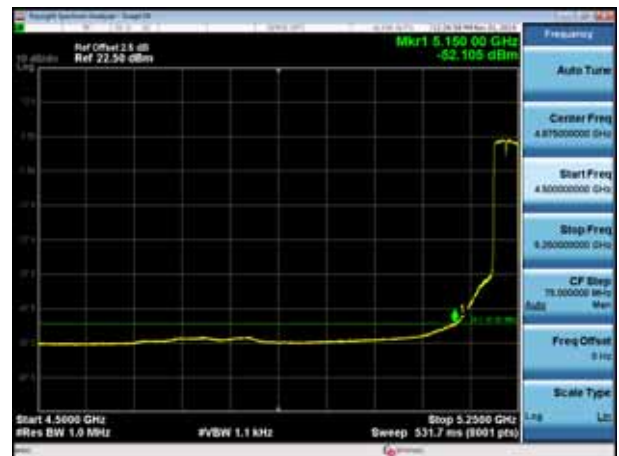
5190MHz with 2*2 CDD AV



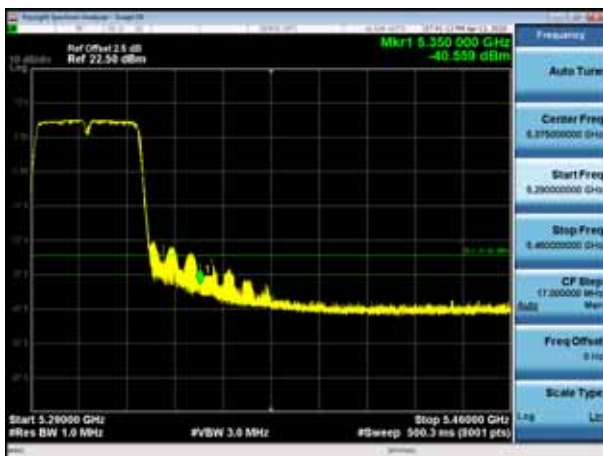
5230MHz with 2*2 CDD PK



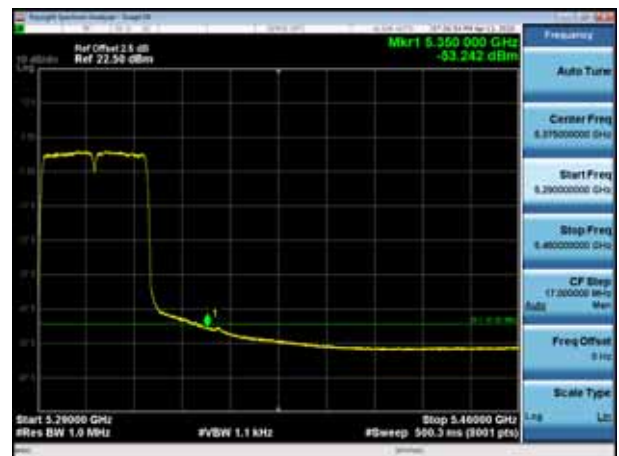
5230MHz with 2*2 CDD AV



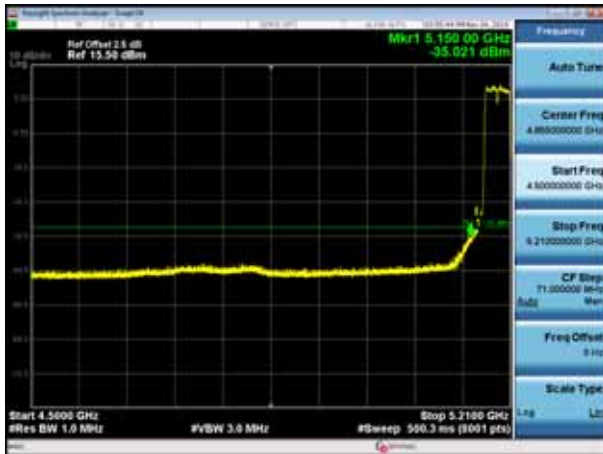
5310MHz with 2*2 CDD PK



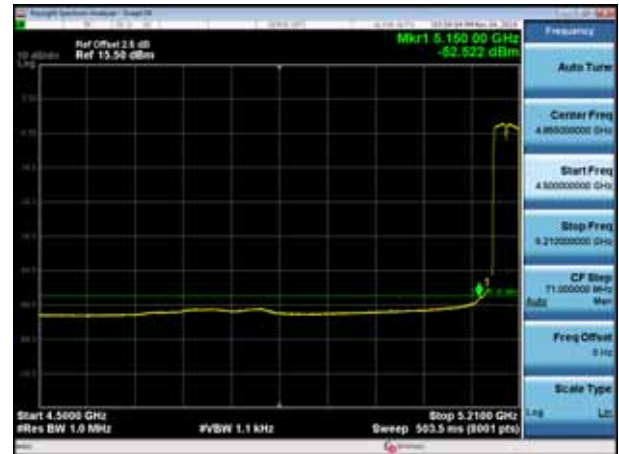
5310MHz with 2*2 CDD AV



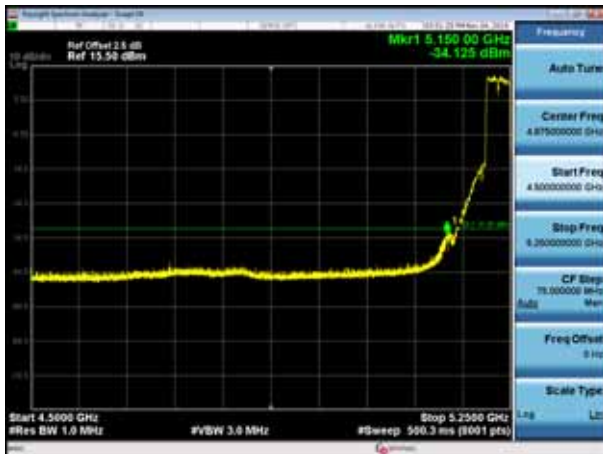
5190MHz with 2*2 Beamforming PK



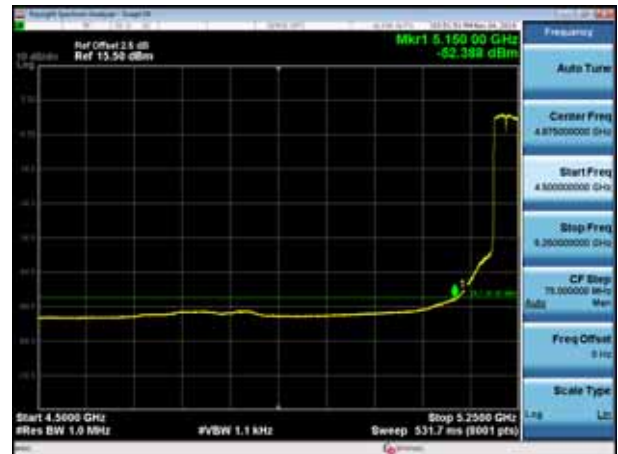
5190MHz with 2*2 Beamforming AV



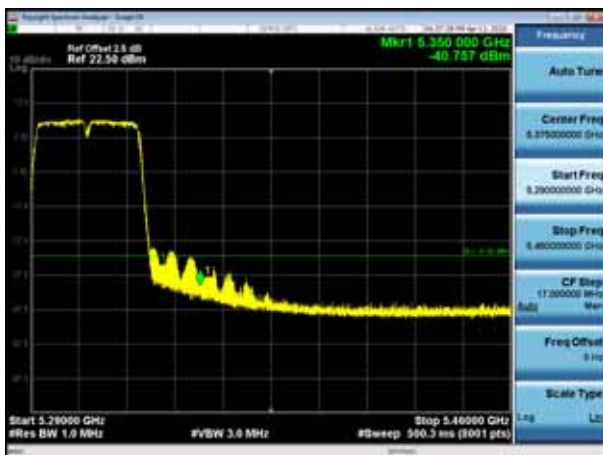
5230MHz with 2*2 Beamforming PK



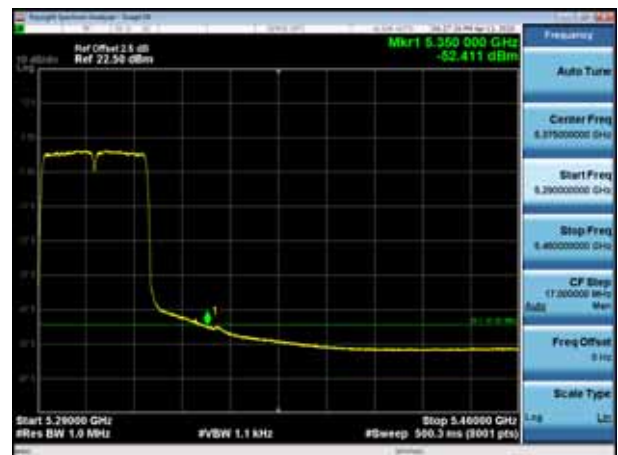
5230MHz with 2*2 Beamforming AV



5310MHz with 2*2 Beamforming PK

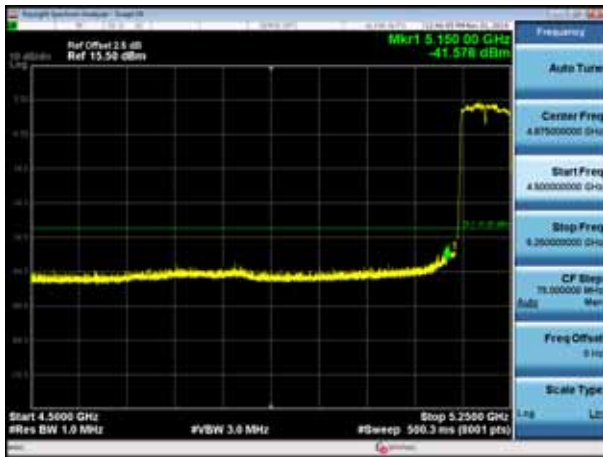


5310MHz with 2*2 Beamforming AV

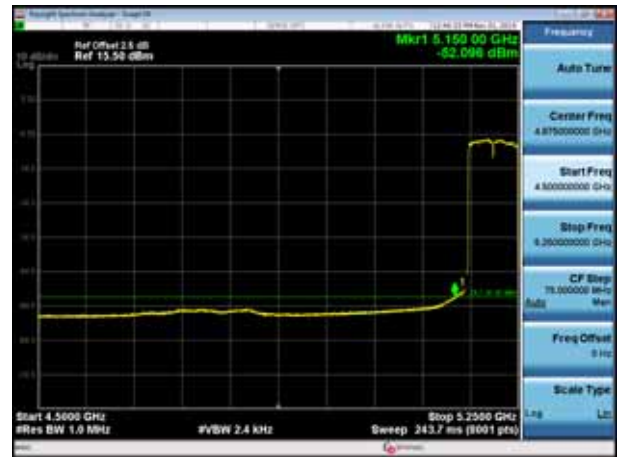


802.11ac(80MHz)

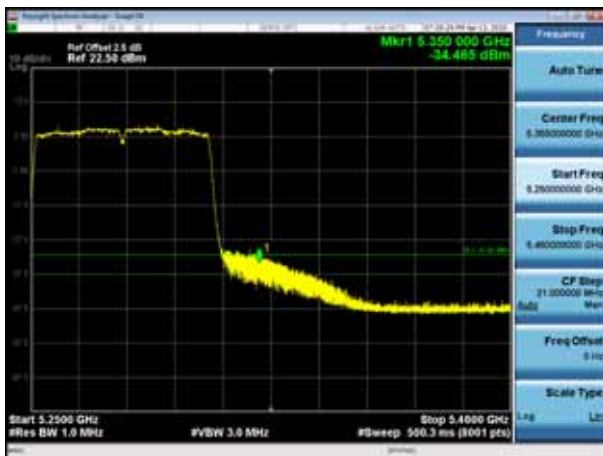
5210MHz with 2*2 CDD PK



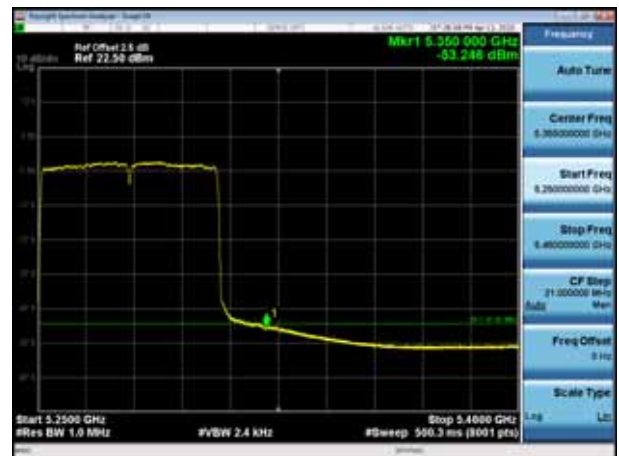
5210MHz with 2*2 CDD AV



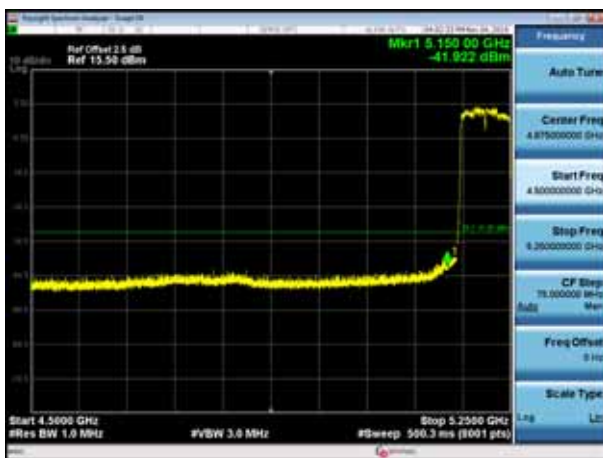
5290MHz with 2*2 CDD PK



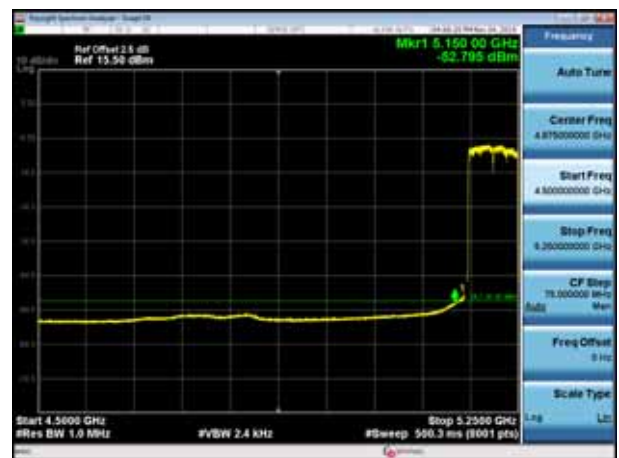
5290MHz with 2*2 CDD AV



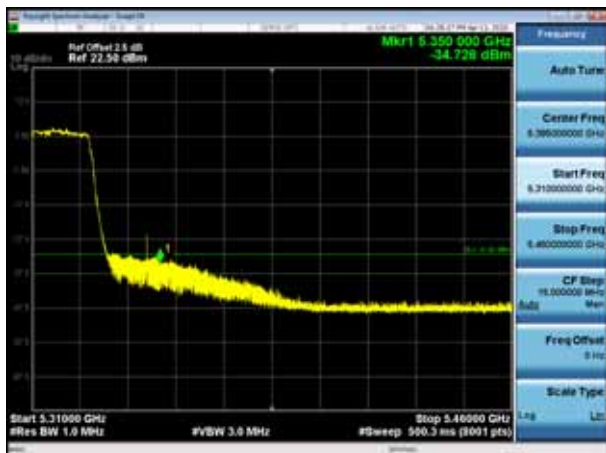
5210MHz with 2*2 Beamforming PK



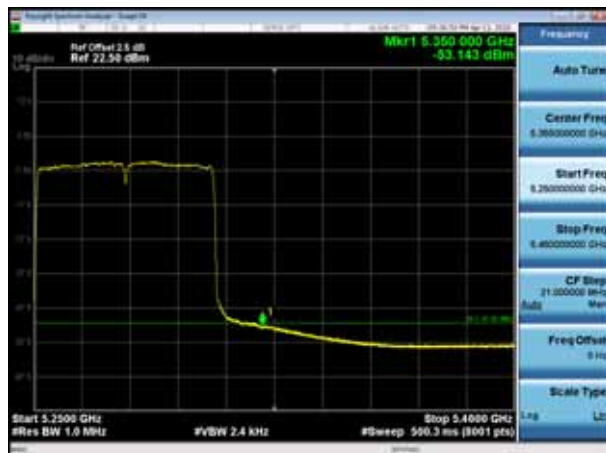
5210MHz with 2*2 Beamforming AV



5290MHz with 2*2 Beamforming PK

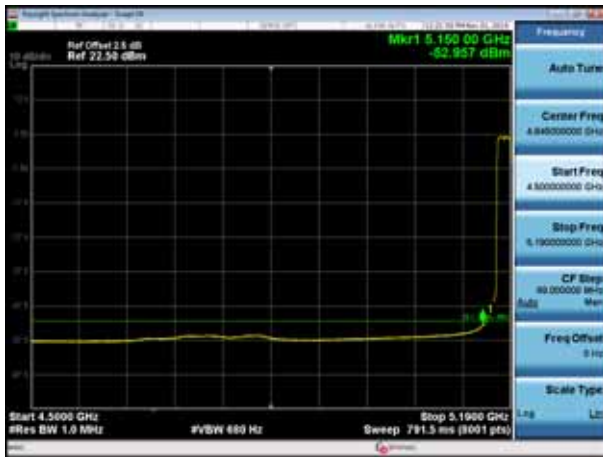


5290MHz with 2*2 Beamforming AV

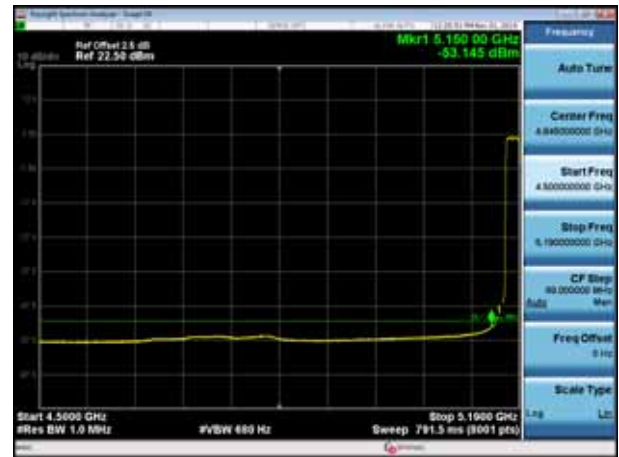


802.11ax(20MHz)

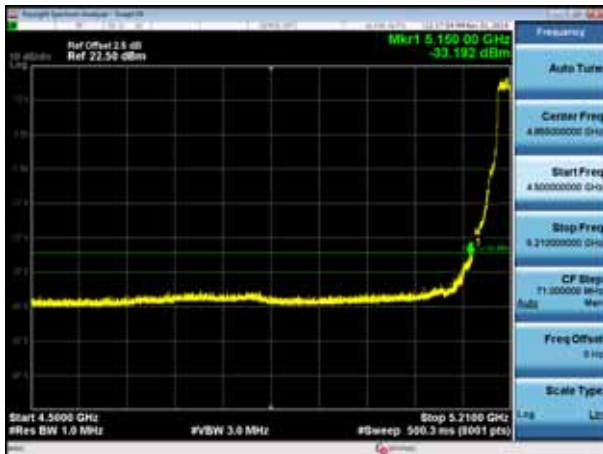
5180MHz with 2*2 CDD PK



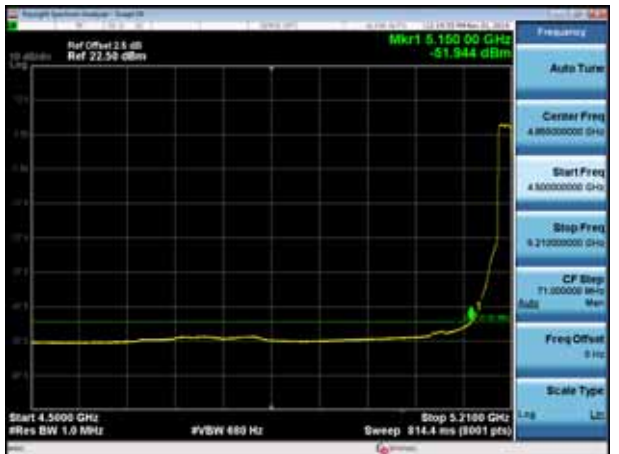
5180MHz with 2*2 CDD AV



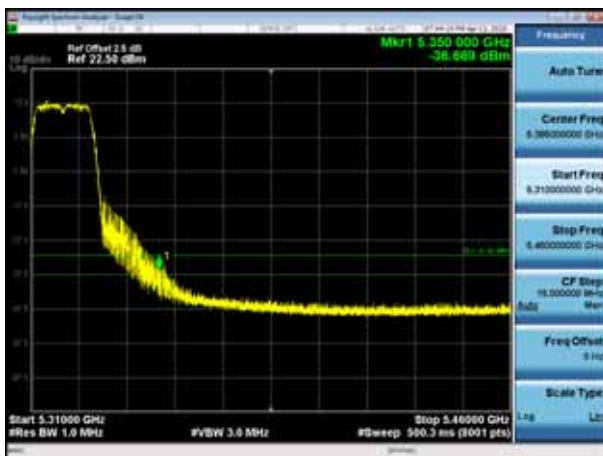
5200MHz with 2*2 CDD PK



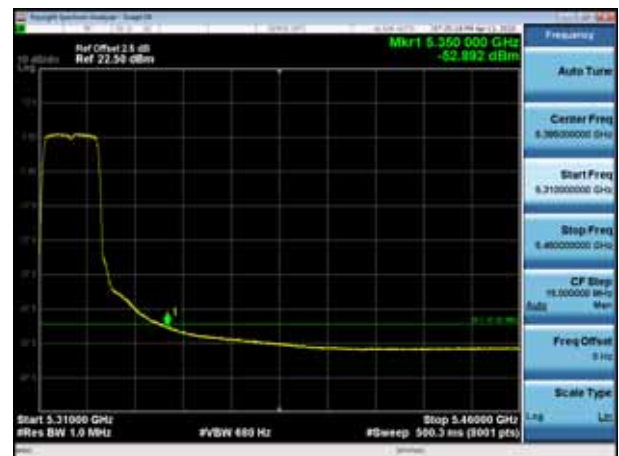
5200MHz with 2*2 CDD AV



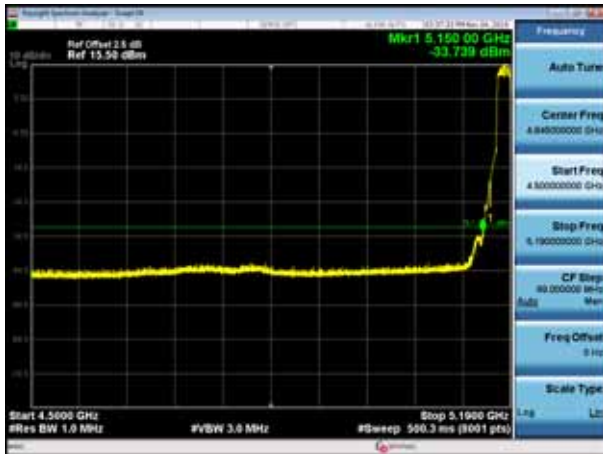
5320MHz with 2*2 CDD PK



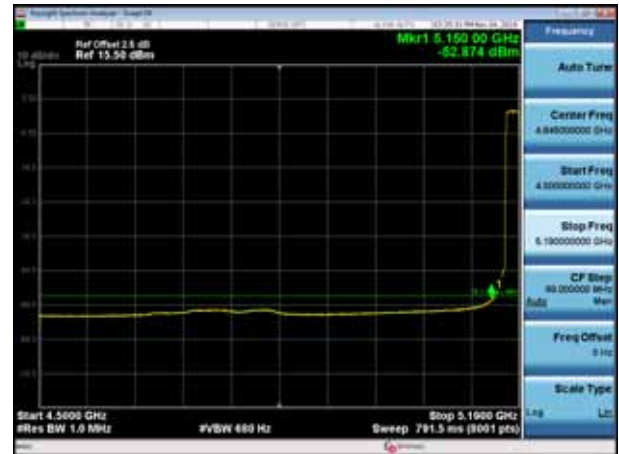
5320MHz with 2*2 CDD AV



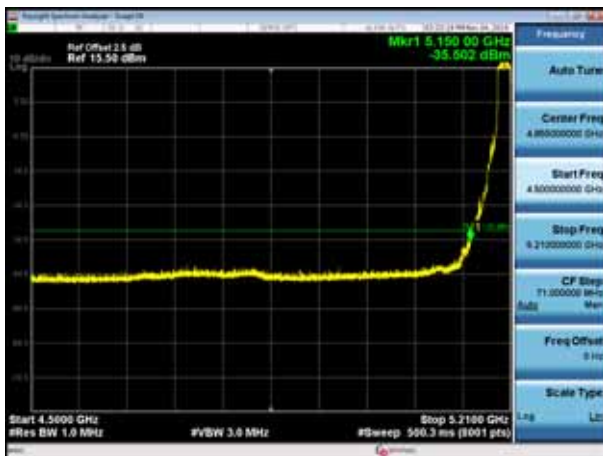
5180MHz with 2*2 Beamforming PK



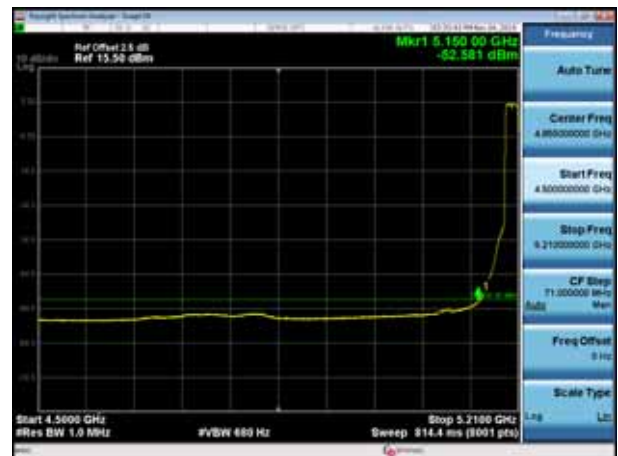
5180MHz with 2*2 Beamforming AV



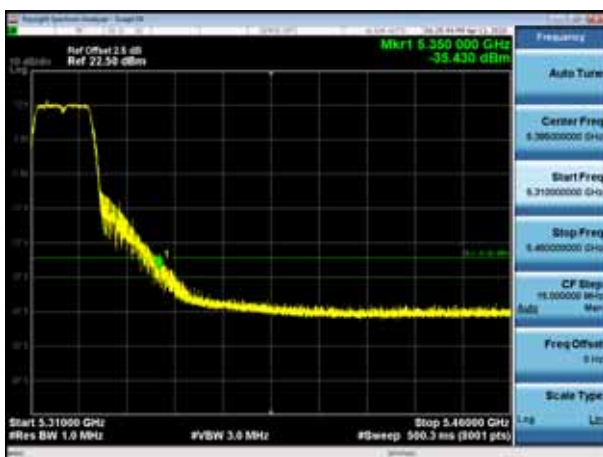
5200MHz with 2*2 Beamforming PK



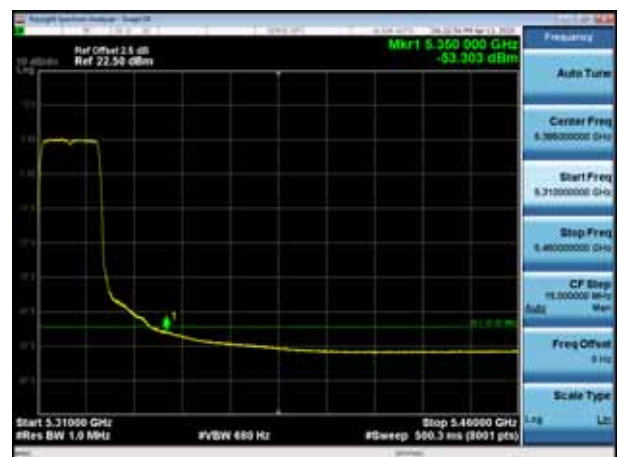
5200MHz with 2*2 Beamforming AV



5320MHz with 2*2 Beamforming PK

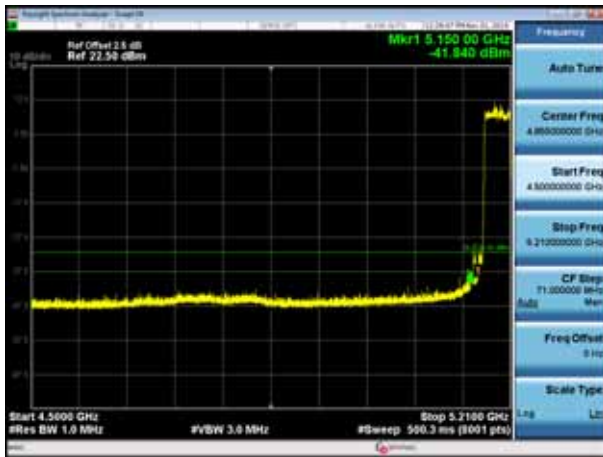


5320MHz with 2*2 Beamforming AV

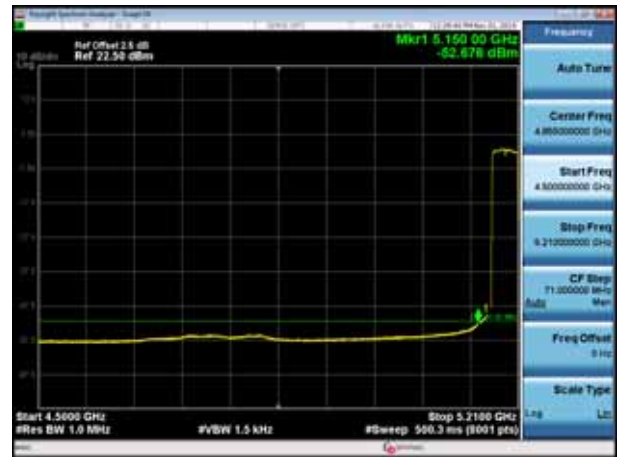


802.11ax(40MHz)

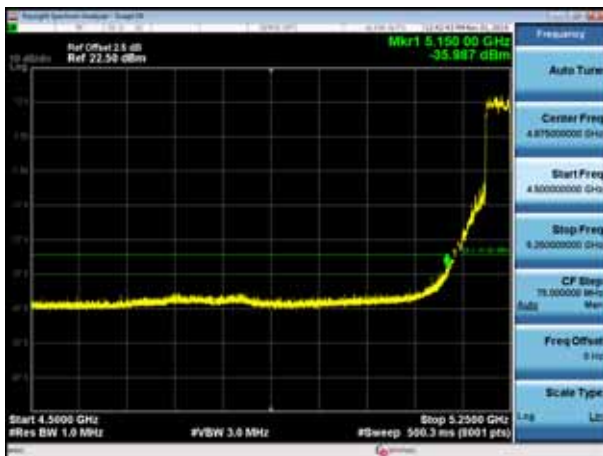
5190MHz with 2*2 CDD PK



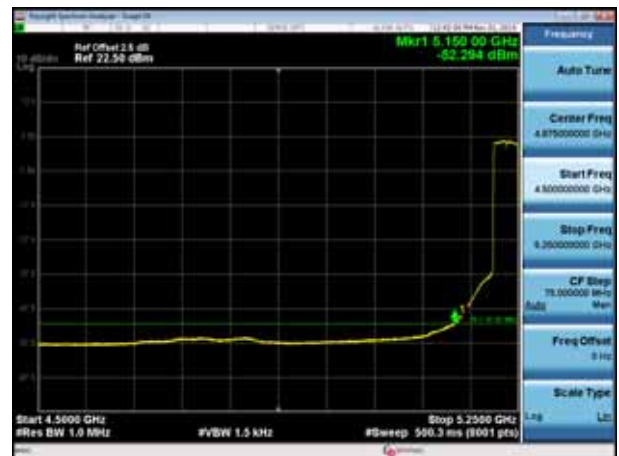
5190MHz with 2*2 CDD AV



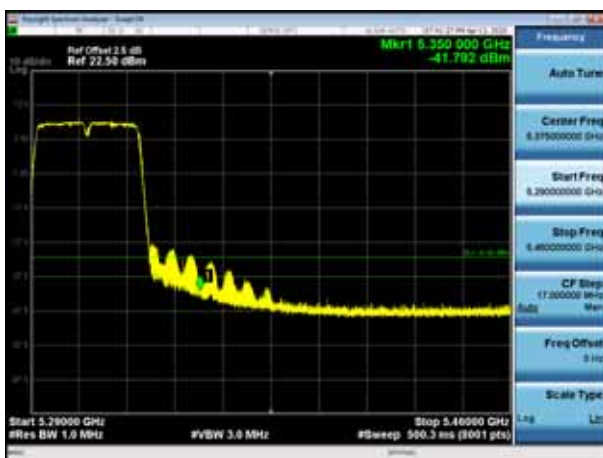
5230MHz with 2*2 CDD PK



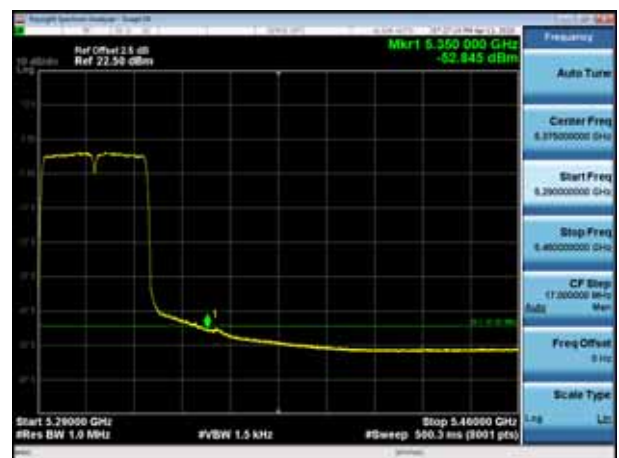
5230MHz with 2*2 CDD AV



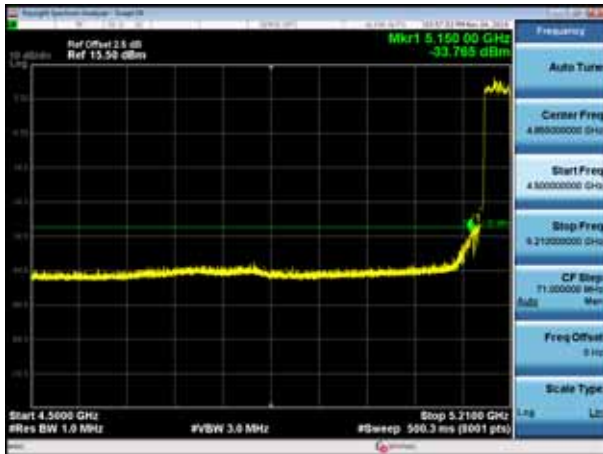
5310MHz with 2*2 CDD PK



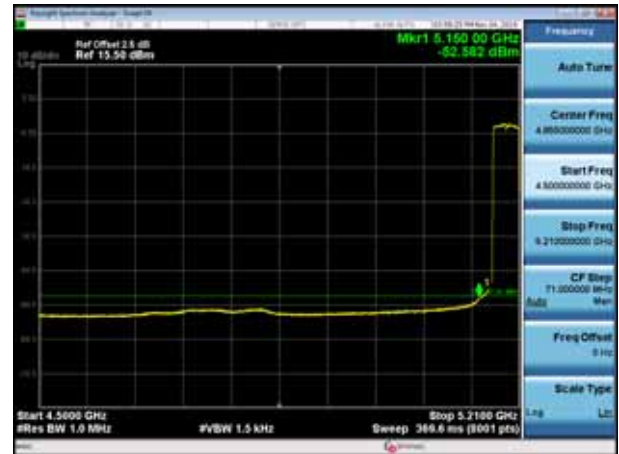
5310MHz with 2*2 CDD AV



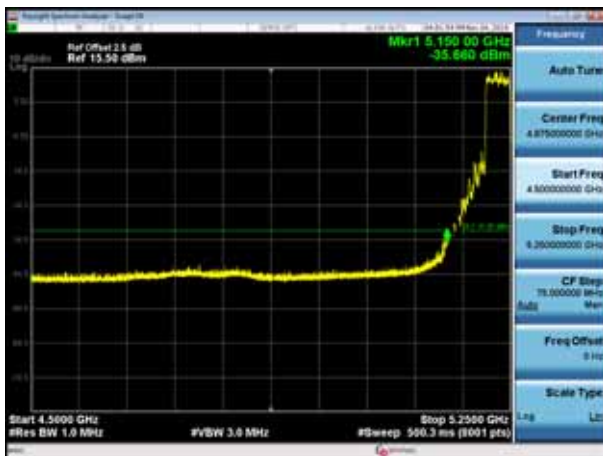
5190MHz with 2*2 Beamforming PK



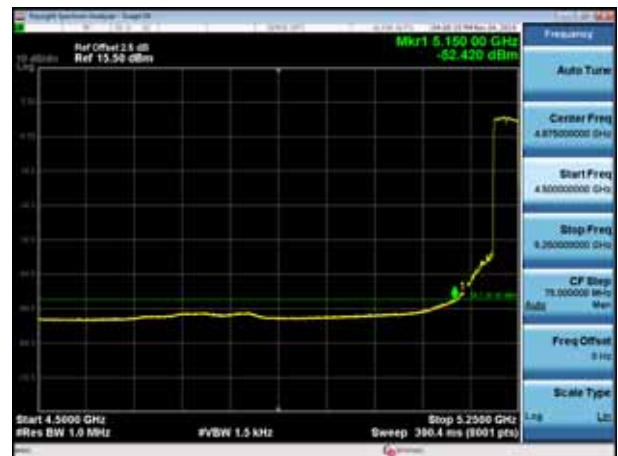
5190MHz with 2*2 Beamforming AV



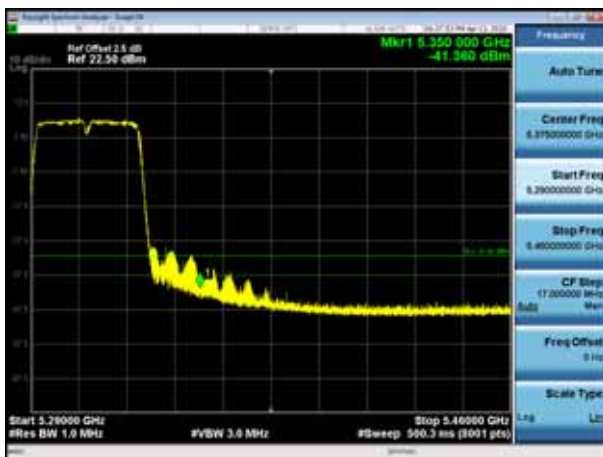
5230MHz with 2*2 Beamforming PK



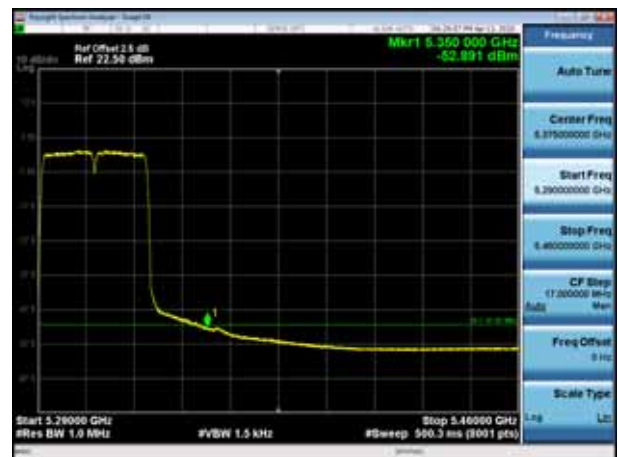
5230MHz with 2*2 Beamforming AV



5310MHz with 2*2 Beamforming PK

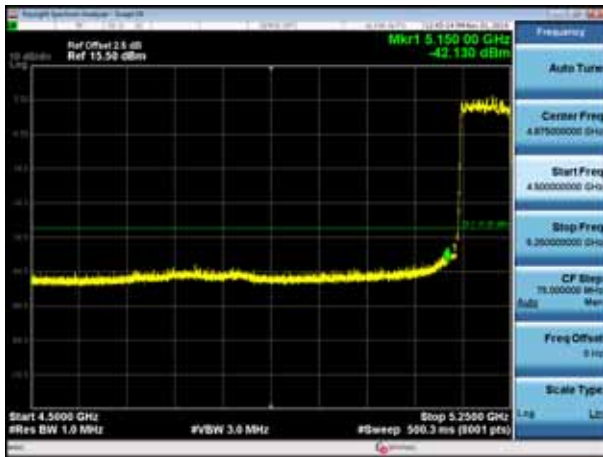


5310MHz with 2*2 Beamforming AV

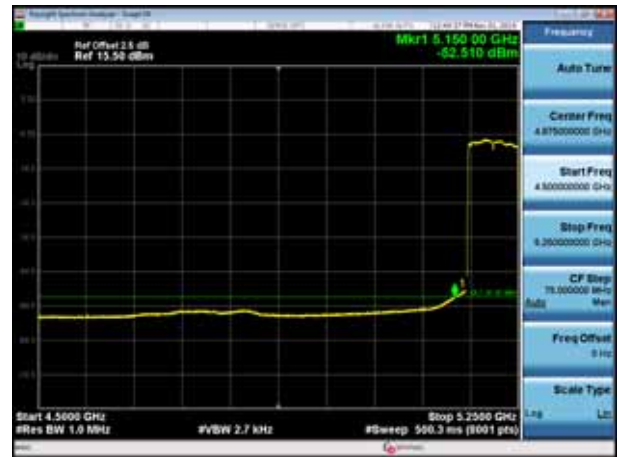


802.11ax(80MHz)

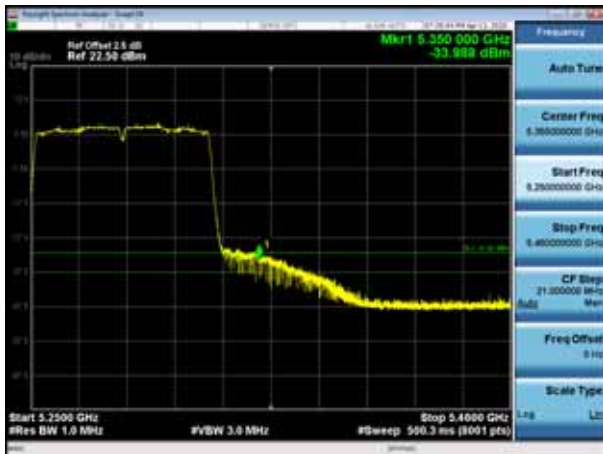
5210MHz with 2*2 CDD PK



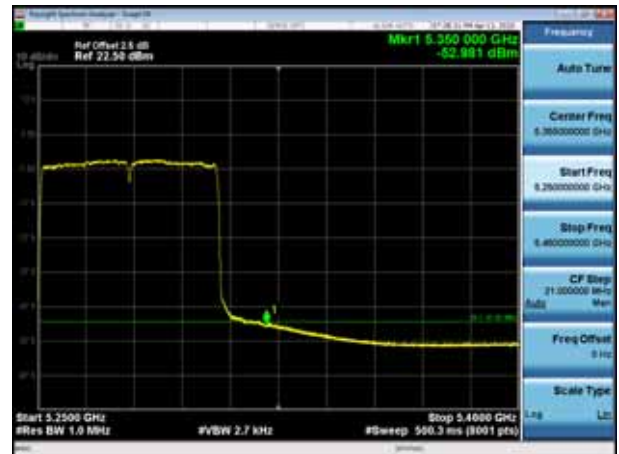
5210MHz with 2*2 CDD AV



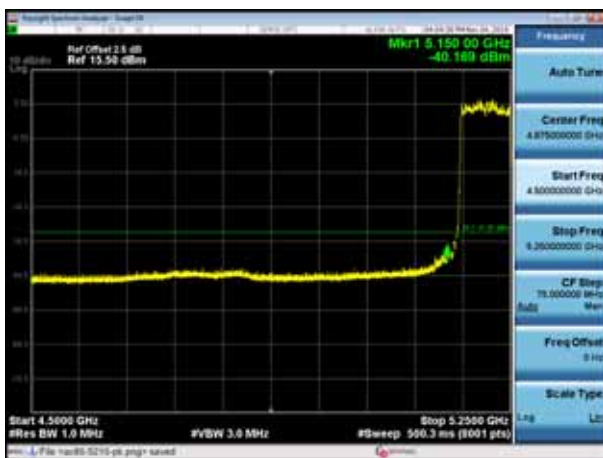
5290MHz with 2*2 CDD PK



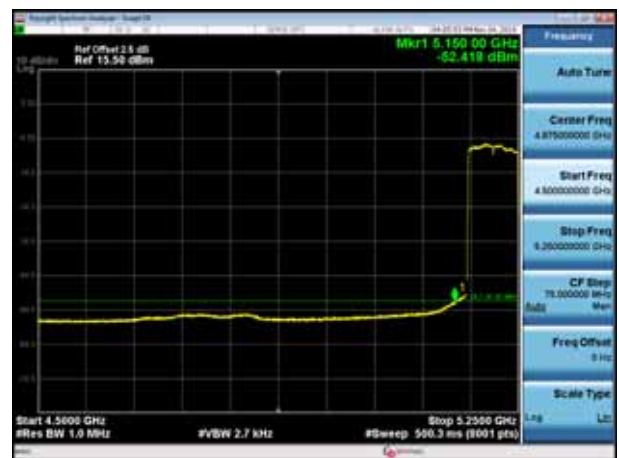
5290MHz with 2*2 CDD AV



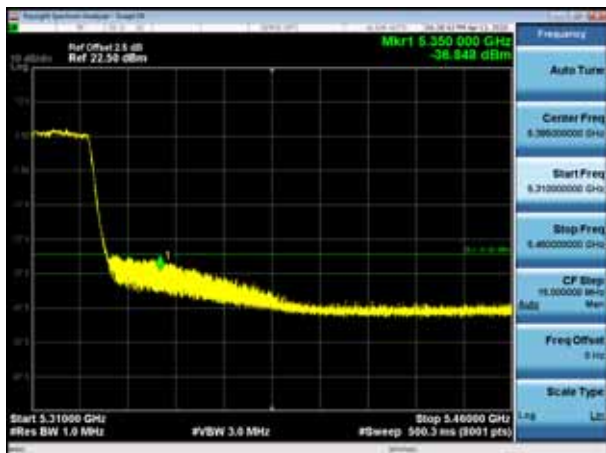
5210MHz with 2*2 Beamforming PK



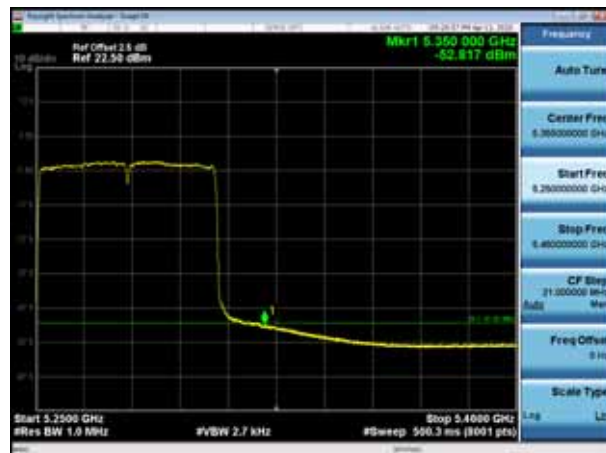
5210MHz with 2*2 Beamforming AV



5290MHz with 2*2 Beamforming PK

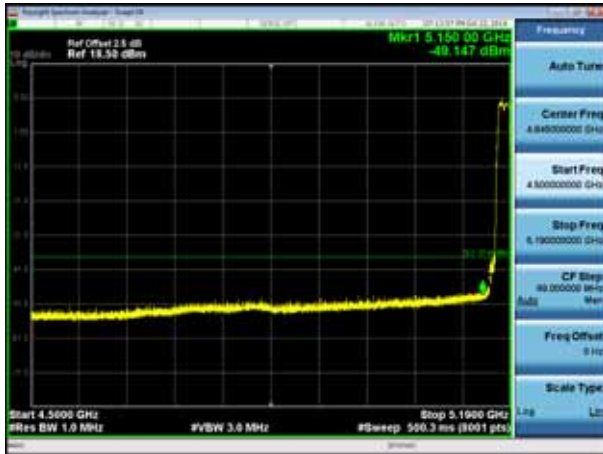


5290MHz with 2*2 Beamforming AV

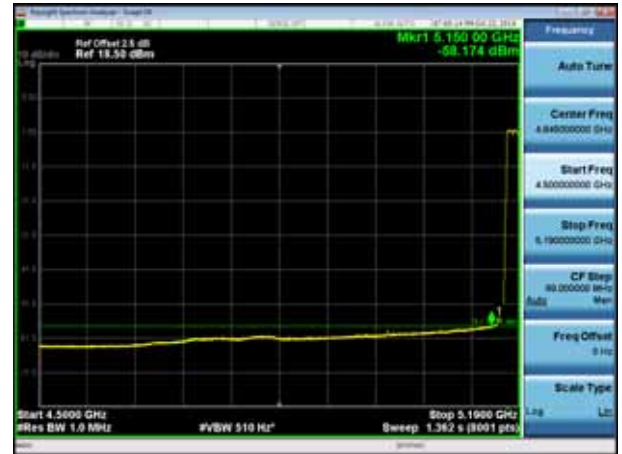


**Radio 3:
802.11a**

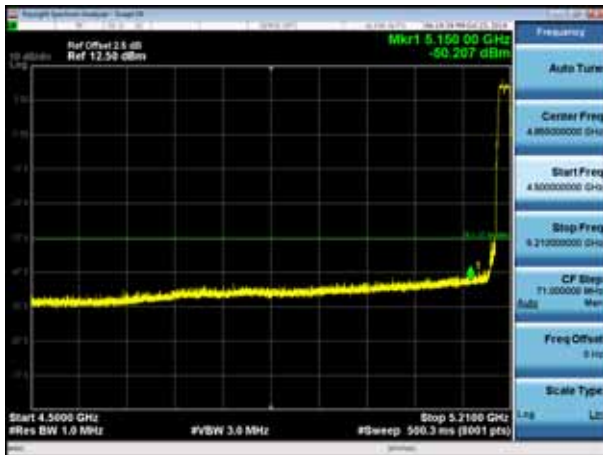
5180MHz with 4*4 CDD PK



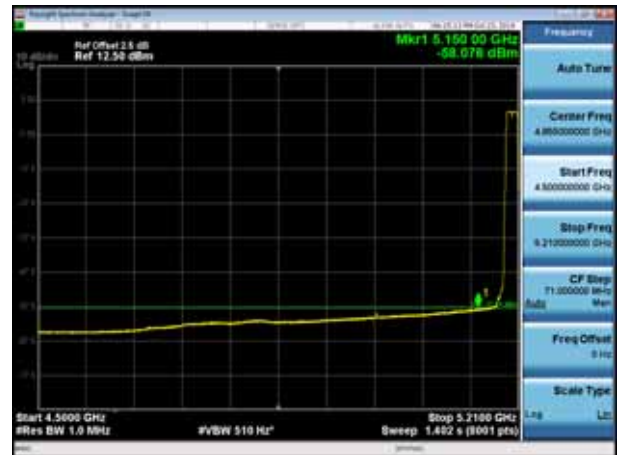
5180MHz with 4*4 CDD AV



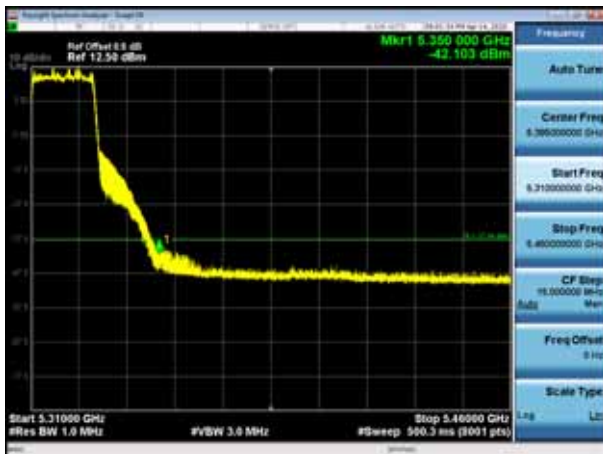
5200MHz with 4*4 CDD PK



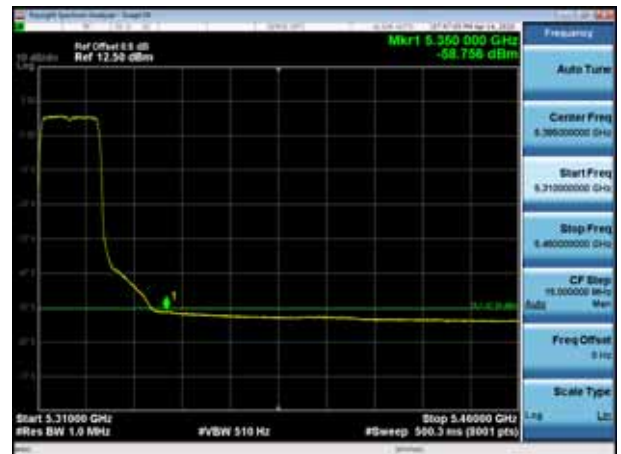
5200MHz with 4*4 CDD AV



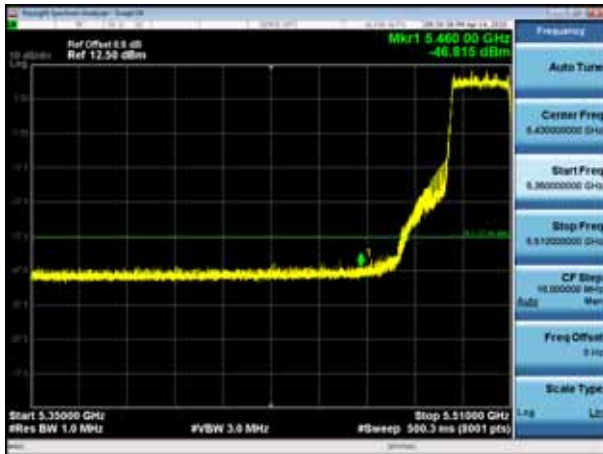
5320MHz with 4*4 CDD PK



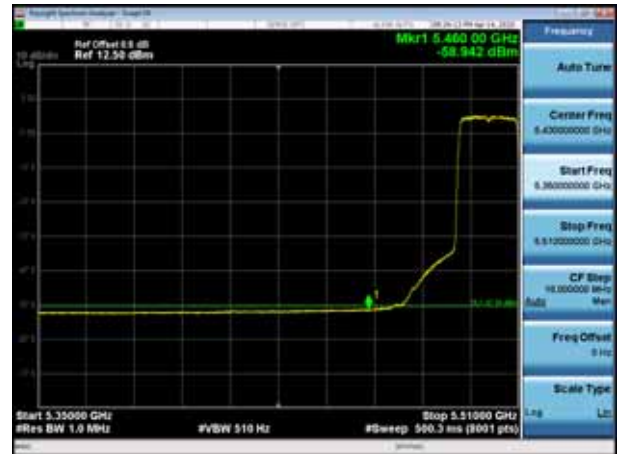
5320MHz with 4*4 CDD AV



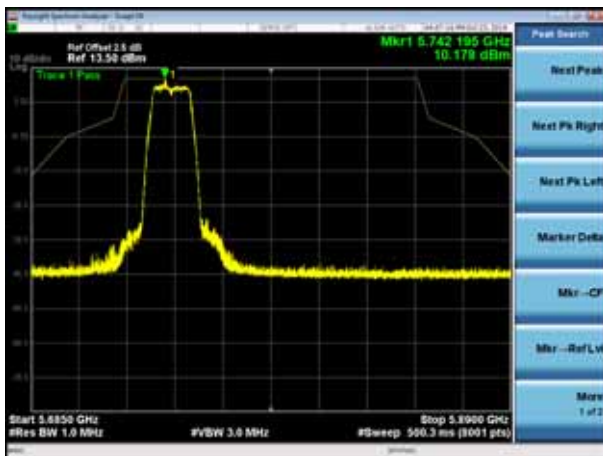
5500MHz with 4*4 CDD PK



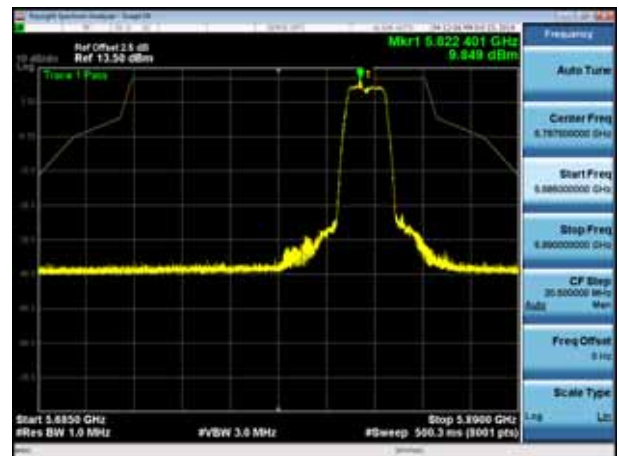
5500MHz with 4*4 CDD AV



5745MHz with 4*4 CDD PK

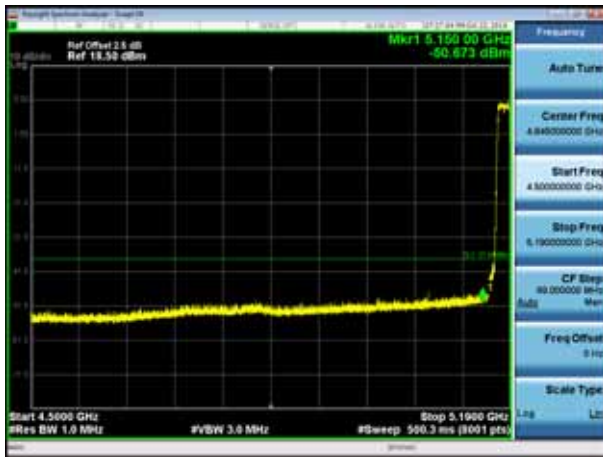


5825MHz with 4*4 CDD PK

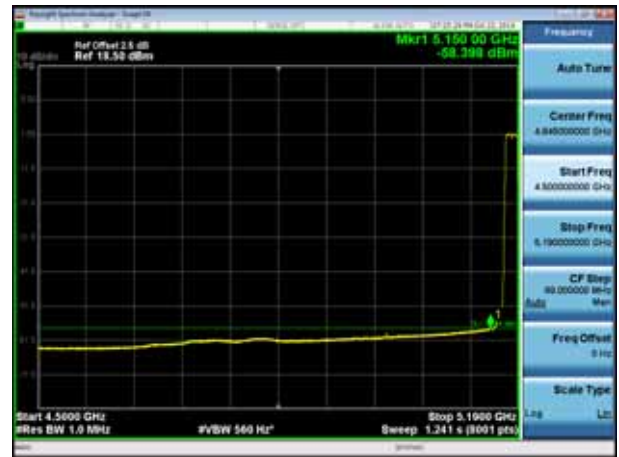


802.11n(20MHz)

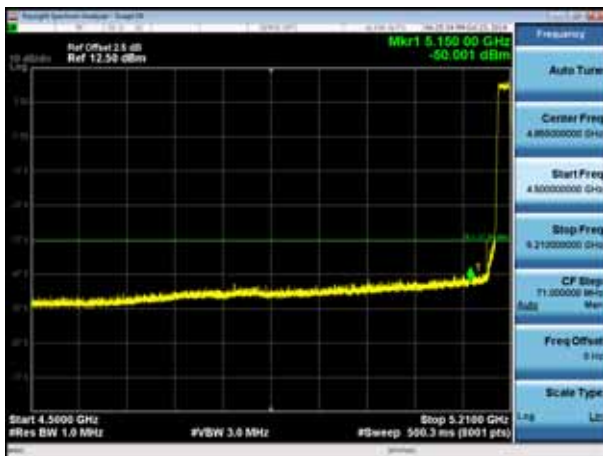
5180MHz with 4*4 CDD PK



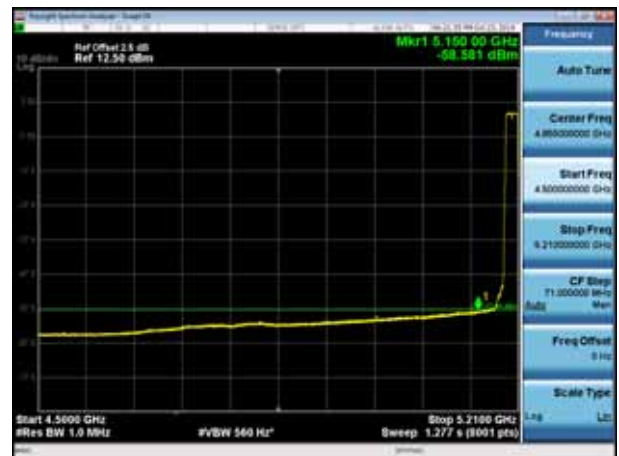
5180MHz with 4*4 CDD AV



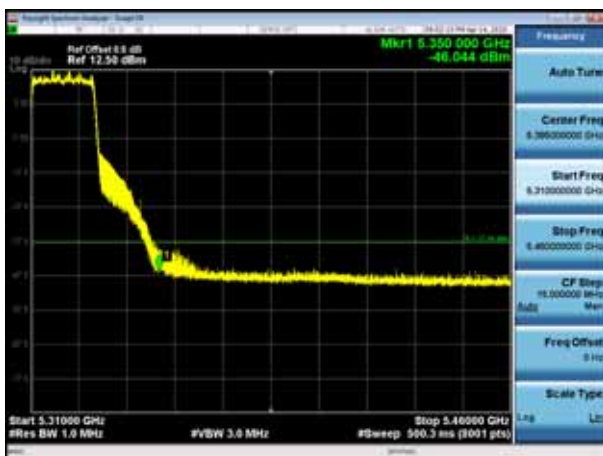
5200MHz with 4*4 CDD PK



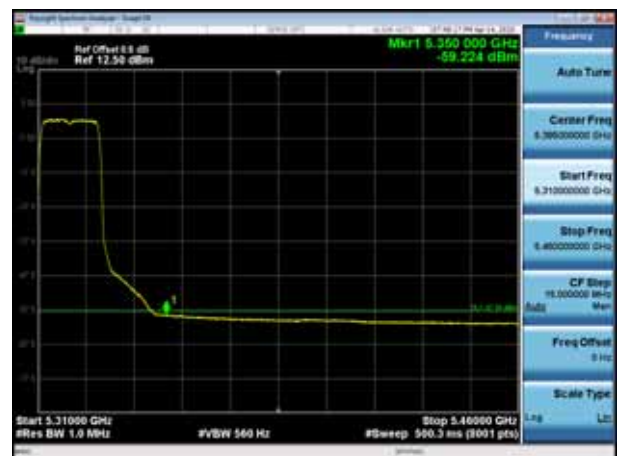
5200MHz with 4*4 CDD AV



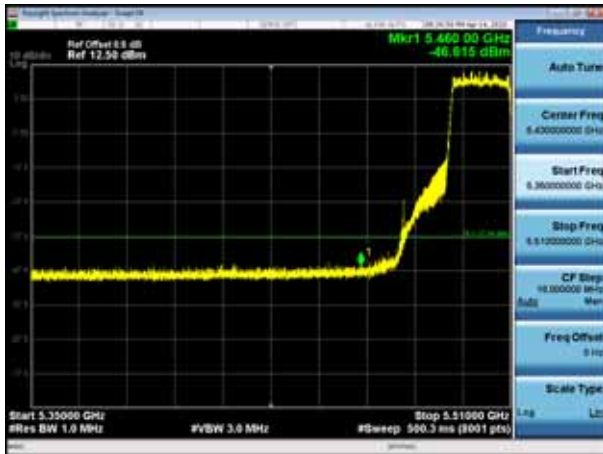
5320MHz with 4*4 CDD PK



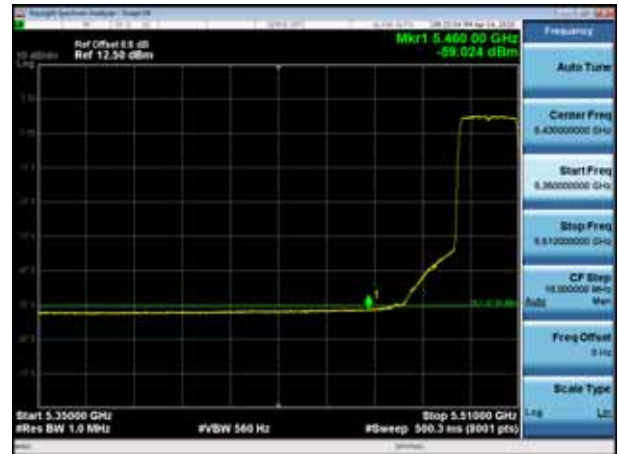
5320MHz with 4*4 CDD AV



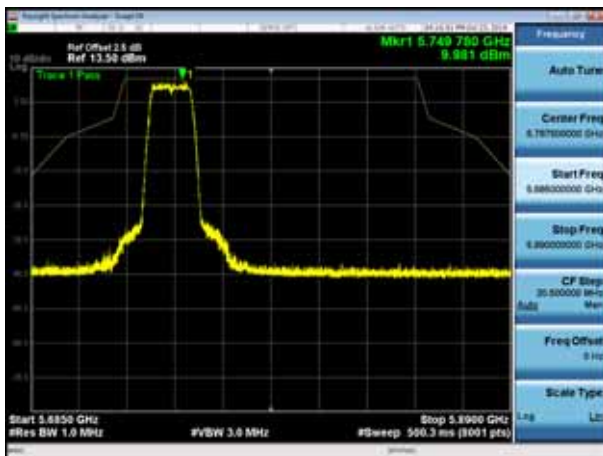
5500MHz with 4*4 CDD PK



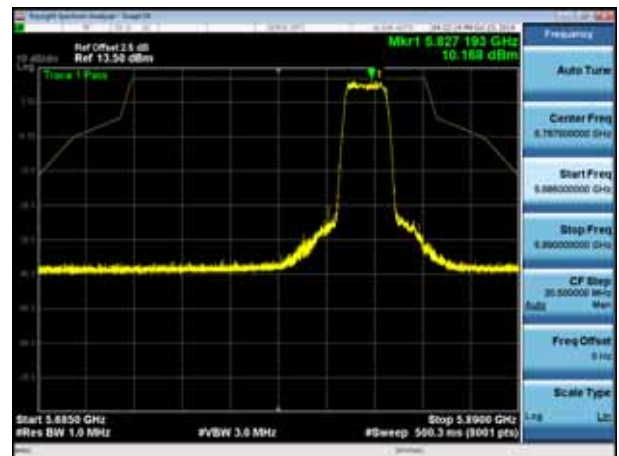
5500MHz with 4*4 CDD AV



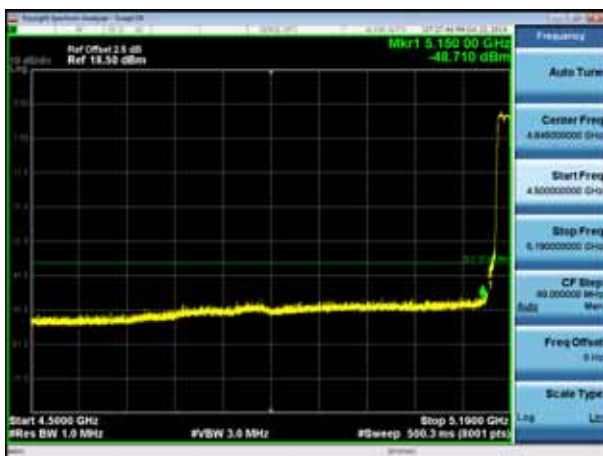
5745MHz with 4*4 CDD PK



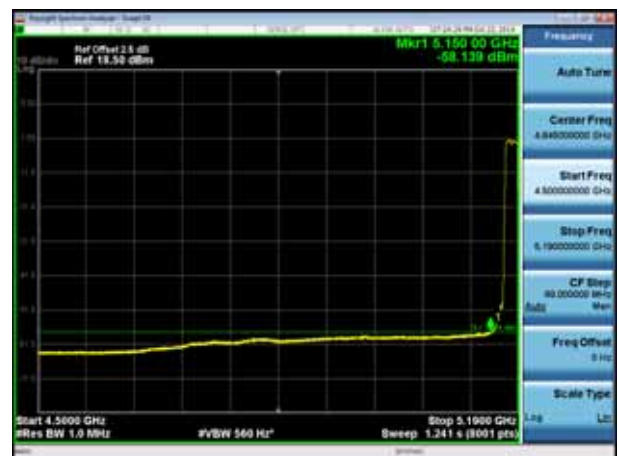
5825MHz with 4*4 CDD PK



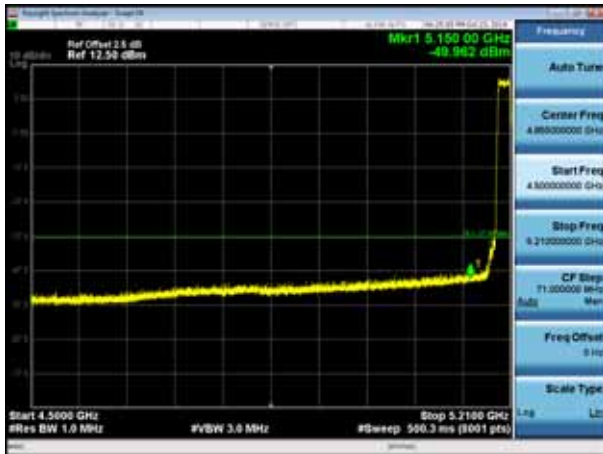
5180MHz with 4*4 Beamforming PK



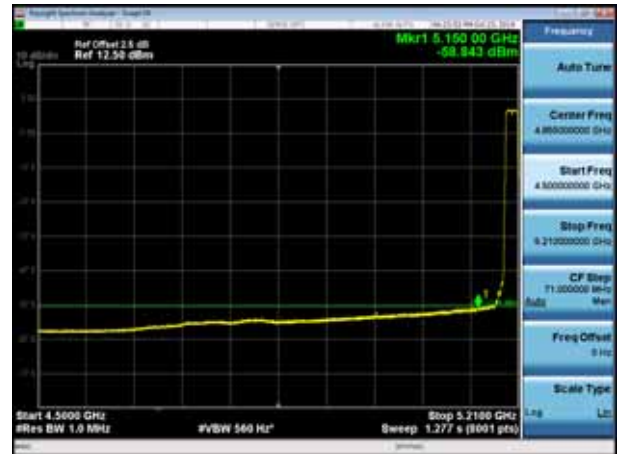
5180MHz with 4*4 Beamforming AV



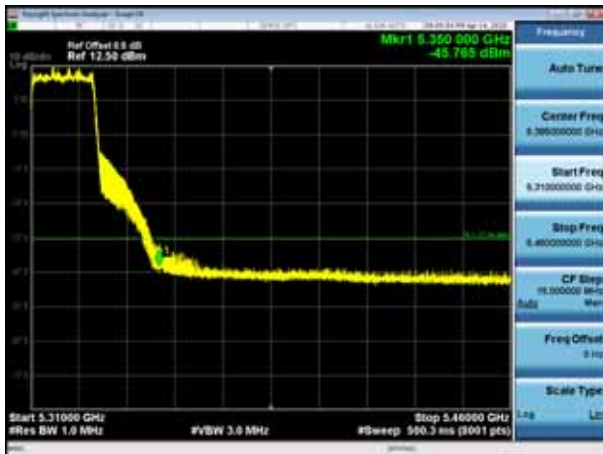
5200MHz with 4*4 Beamforming PK



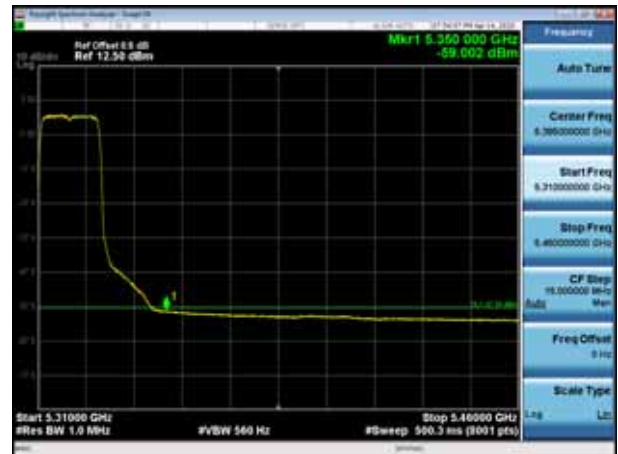
5200MHz with 4*4 Beamforming AV



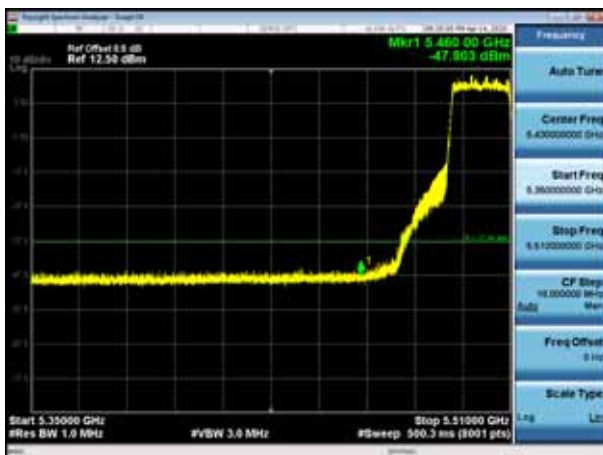
5320MHz with 4*4 Beamforming PK



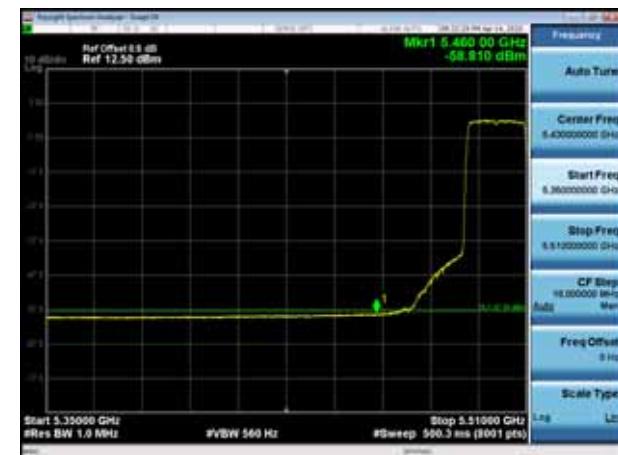
5320MHz with 4*4 Beamforming AV



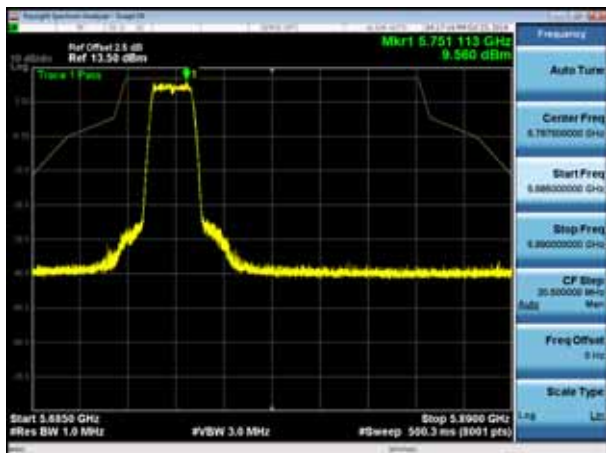
5500MHz with 4*4 Beamforming PK



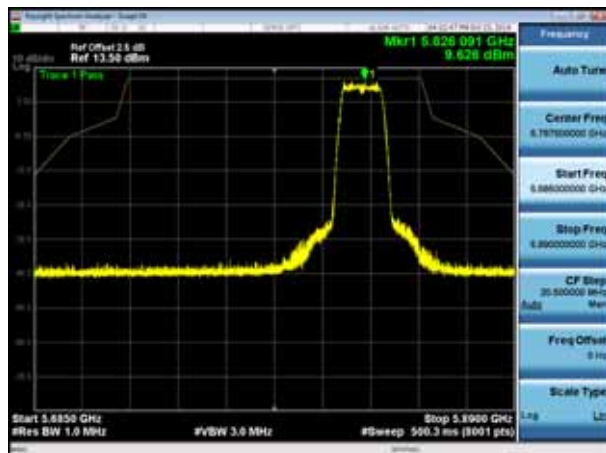
5500MHz with 4*4 Beamforming AV



5745MHz with 4*4 Beamforming PK

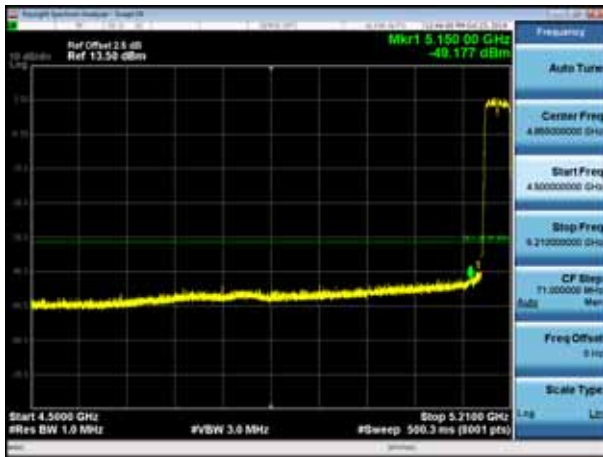


5825MHz with 4*4 Beamforming PK

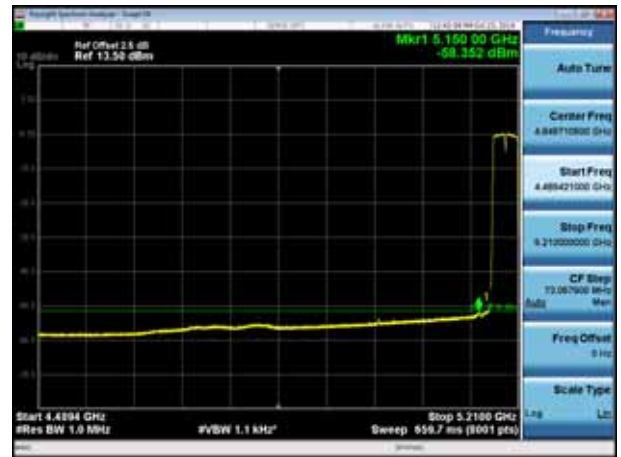


802.11n(40MHz)

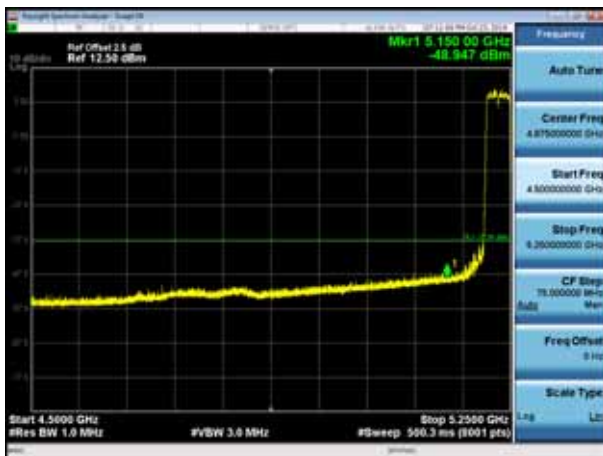
5190MHz with 4*4 CDD PK



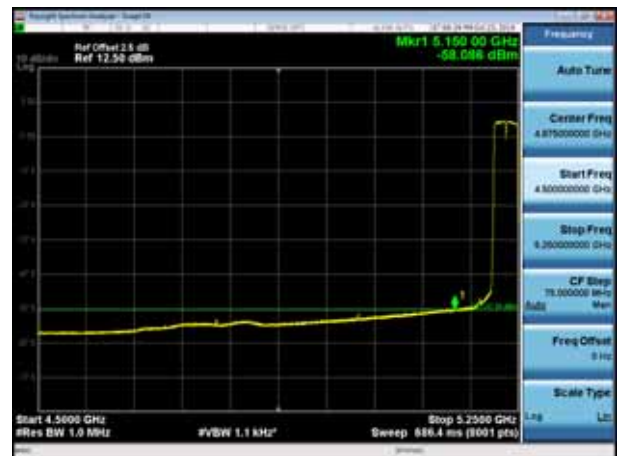
5190MHz with 4*4 CDD AV



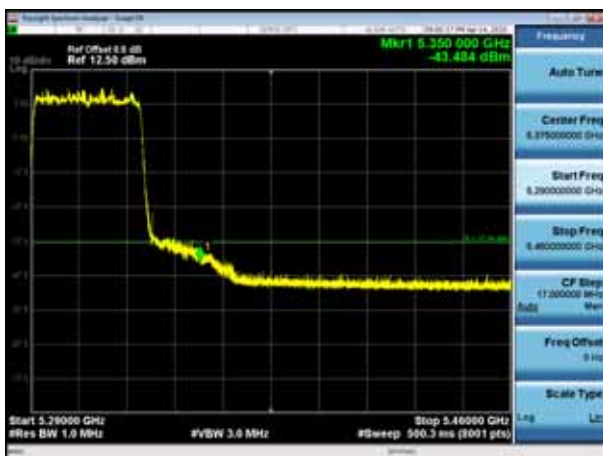
5230MHz with 4*4 CDD PK



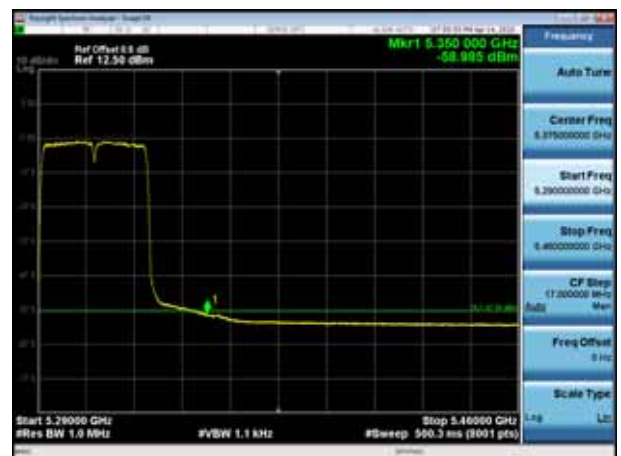
5230MHz with 4*4 CDD AV



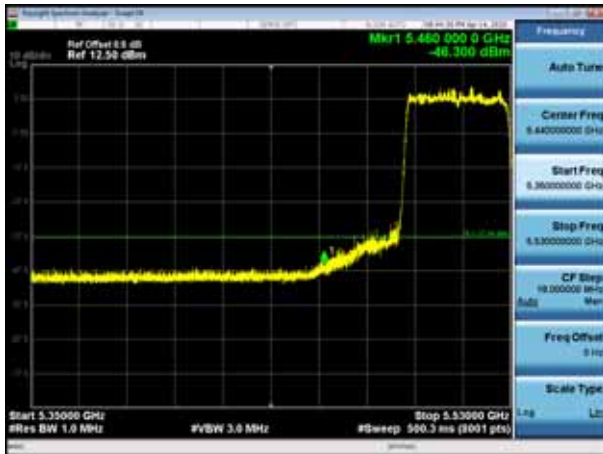
5310MHz with 4*4 CDD PK



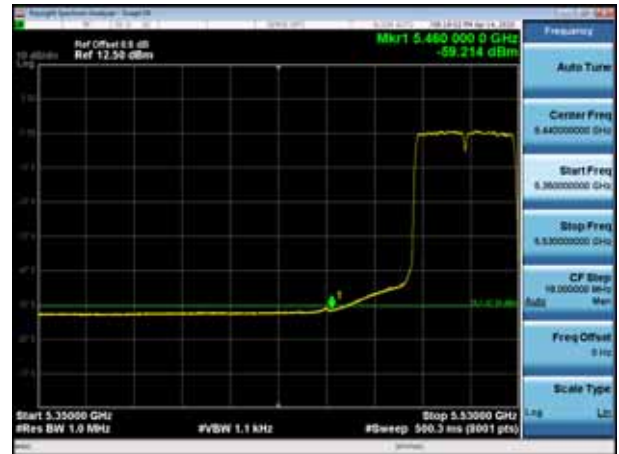
5310MHz with 4*4 CDD AV



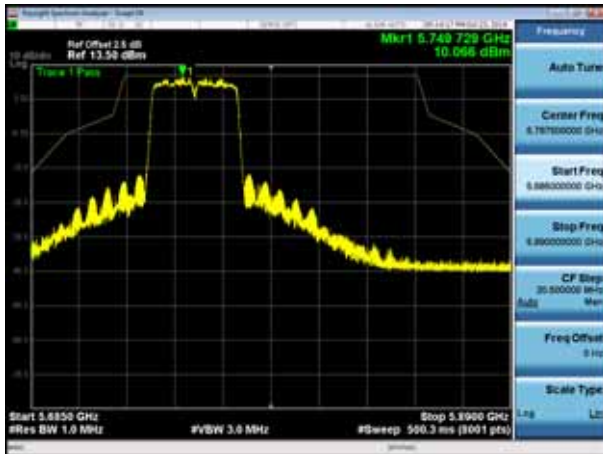
5510MHz with 4*4 CDD PK



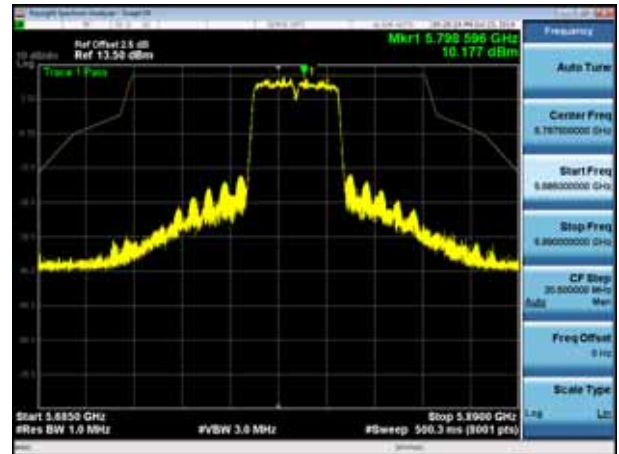
5510MHz with 4*4 CDD AV



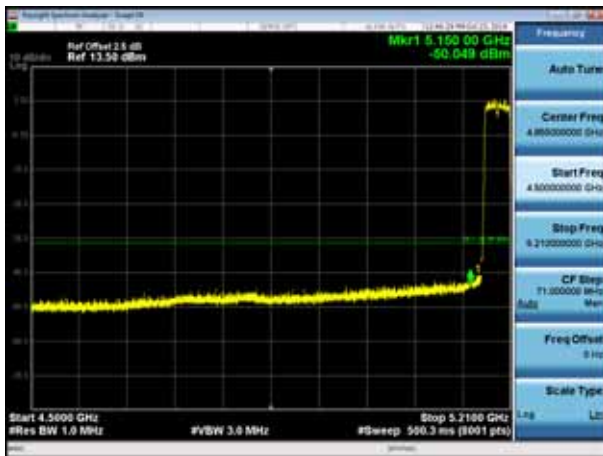
5755MHz with 4*4 CDD PK



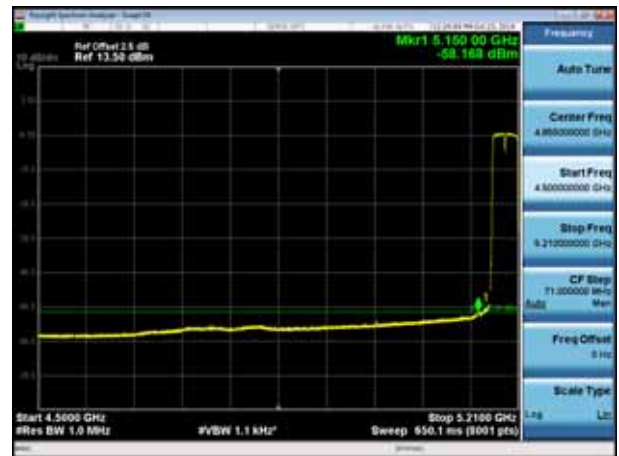
5795MHz with 4*4 CDD PK



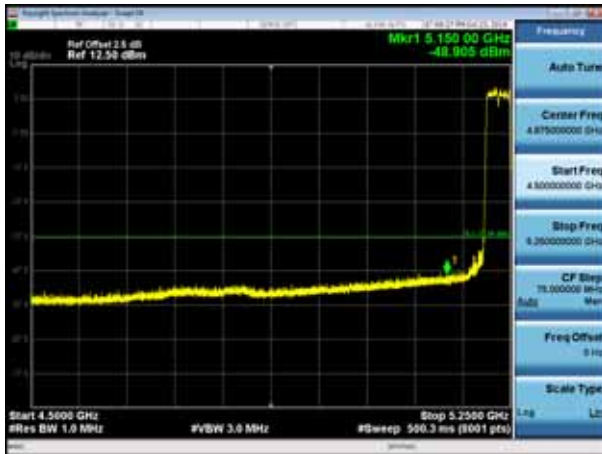
5190MHz with 4*4 Beamforming PK



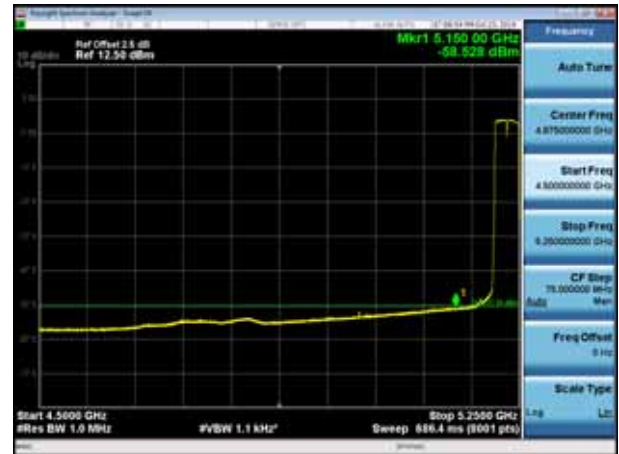
5190MHz with 4*4 Beamforming AV



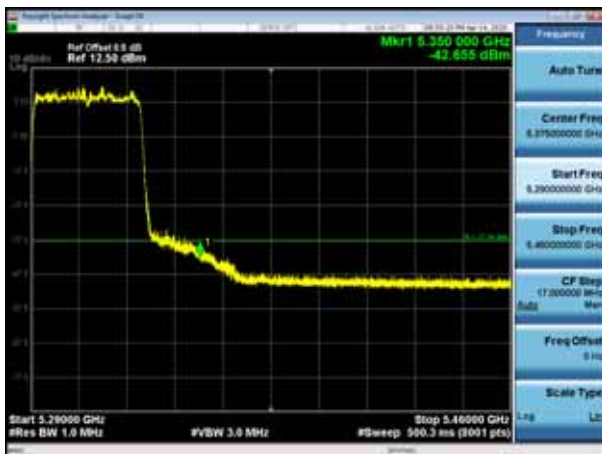
5230MHz with 4*4 Beamforming PK



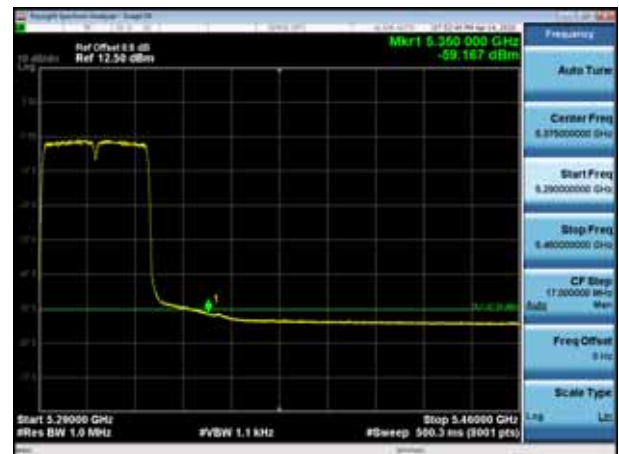
5230MHz with 4*4 Beamforming AV



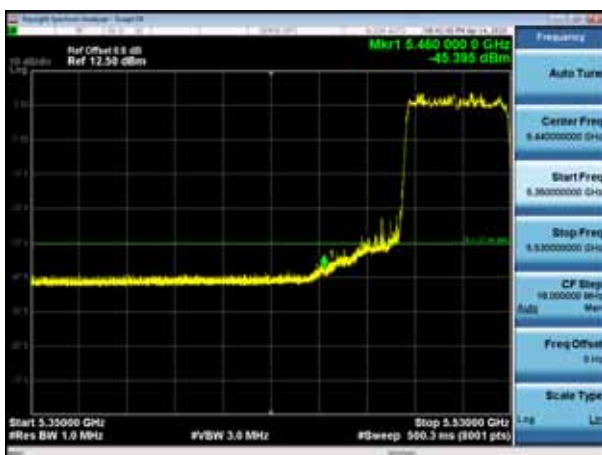
5310MHz with 4*4 Beamforming PK



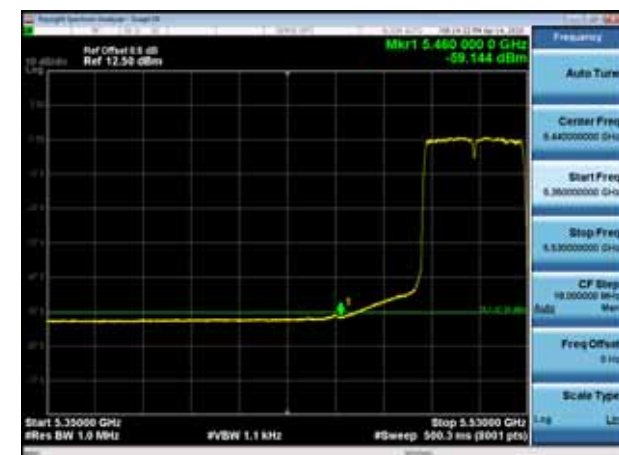
5310MHz with 4*4 Beamforming AV



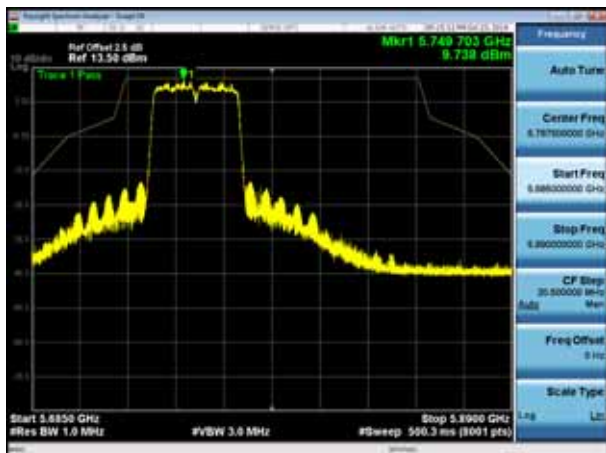
5510MHz with 4*4 Beamforming PK



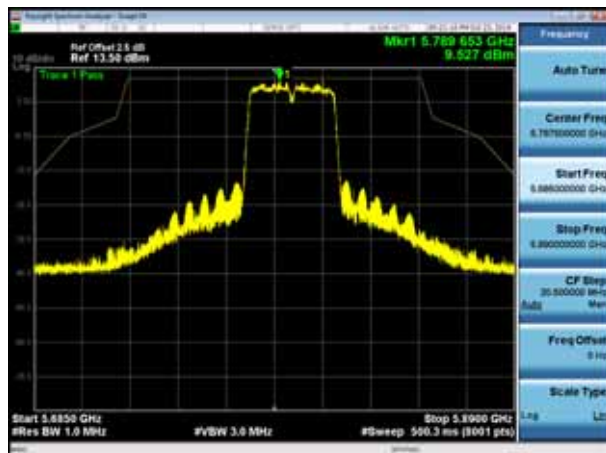
5510MHz with 4*4 Beamforming AV



5755MHz with 4*4 Beamforming PK

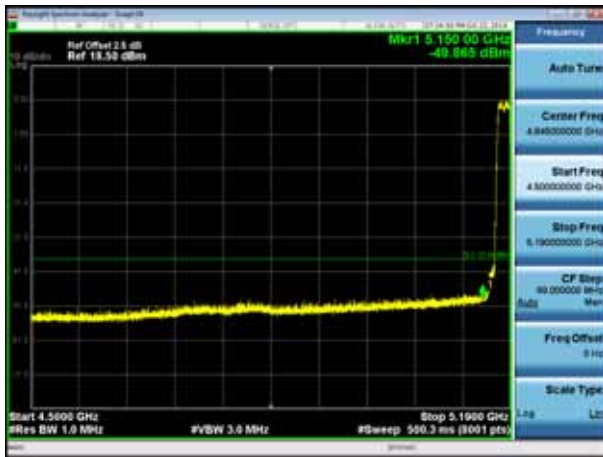


5795MHz with 4*4 Beamforming PK

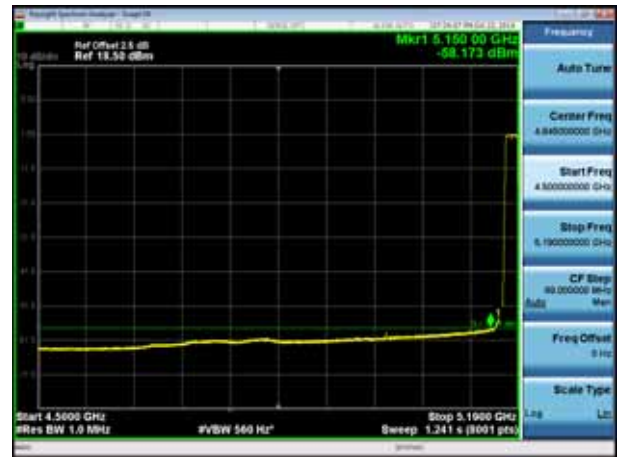


802.11ac(20MHz)

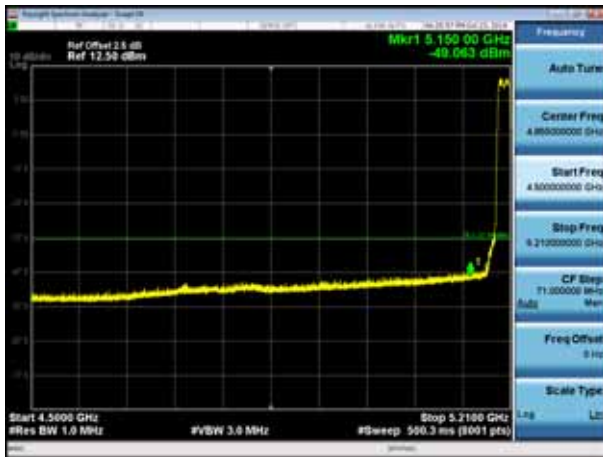
5180MHz with 4*4 CDD PK



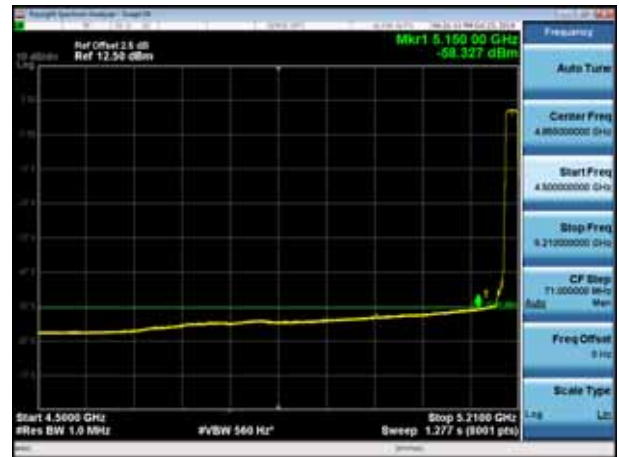
5180MHz with 4*4 CDD AV



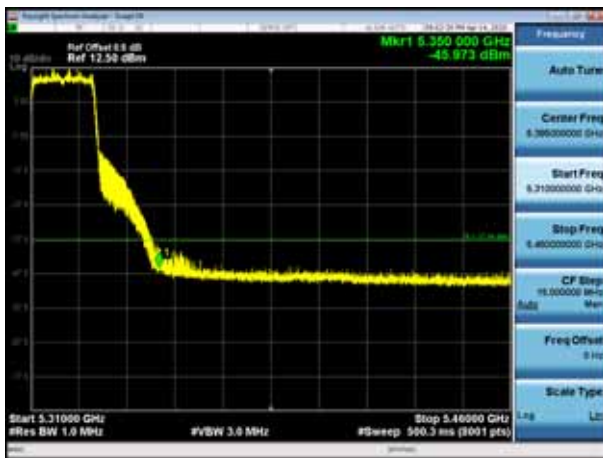
5200MHz with 4*4 CDD PK



5200MHz with 4*4 CDD AV



5320MHz with 4*4 CDD PK



5320MHz with 4*4 CDD AV

