

TEST REPORT

Reference No...... : WTX21X08081529W-1
FCC ID : 2A24ZWR525G
Applicant : Shenzhen Ceres Technology Co., Ltd.
Address..... : Room 601, Floor 6, Building F, Songbai Road 1008, Sunshine Community,
Xili Street, Nanshan District, Shenzhen
Product Name : Wireless Router
Test Model. : WR525G
Standards : FCC Part 15.407
Date of Receipt sample : Aug. 10, 2021
Date of Test..... : Aug. 10, 2021 to Sept. 13, 2021
Date of Issue : Sept. 13, 2021
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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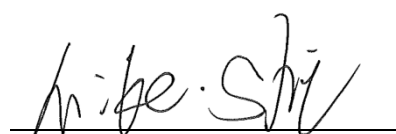
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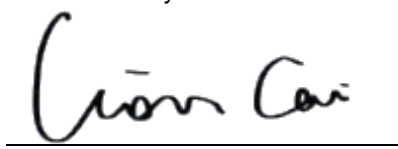
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Report version

| Version No. | Date of issue | Description |
|-------------|----------------|-------------|
| Rev.00 | Sept. 13, 2021 | Original |
| / | / | / |

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: Shenzhen Ceres Technology Co., Ltd.
 Address of applicant: Room 601, Floor 6, Building F, Songbai Road 1008, Sunshine Community, Xili Street, Nanshan District, Shenzhen

Manufacturer: Shenzhen C-DATA Technology Co.,Ltd Baoan Branch
 Address of manufacturer: F11, Bldg B, Wentao Industrial zone, Yingrenshiyongxin Village, Shiyuan Street, Baoan district, Shenzhen,Guangdong, China

| General Description of EUT | |
|--|--|
| Product Name: | Wireless Router |
| Trade Name: | / |
| Model No.: | WR525G |
| Adding Model(s): | / |
| Rated Voltage: | DC12V |
| Battery Capacity: | / |
| Power Adapter 1: | MODEL:Model:DCT12W120100US-A0 INPUT: AC100-240~50/60Hz, 0.3A max. OUTPUT:DC12V, 1.0A |
| Power Adapter 2: | MODEL:Model:TS-A012-120010AW INPUT:AC100-240~50/60Hz, 0.4A OUTPUT:DC12V, 1.0A |
| <i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i> | |

| Technical Characteristics of EUT | |
|----------------------------------|--|
| Support Standards: | 802.11a, 802.11n(HT20) , 802.11n-HT40, 802.11ac-VHT80 802.11ax-HE20, 802.11ax-HE40, 802.11ax-HE80 |
| Frequency Range: | 5150-5250MHz, 5725-5850MHz |
| RF Output Power: | 5150-5250MHz ANT 0:16.74dBm (Conducted) ANT 1:16.37dBm (Conducted) 5725-5850MHz ANT 0:15.42dBm (Conducted) ANT 1:16.88dBm (Conducted) |
| Type of Modulation: | BPSK, QPSK,16QAM,64QAM, 256QAM, 1024QAM |
| Type of Antenna: | External Antenna |
| Antenna Gain: | 6.35dBi |

1.2 Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.407: General technical requirements.

ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.

KDB789033 D02 v02r01: Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-Nii) Devices Part 15, Subparte.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission, should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, KDB789033 D02 v02r01. The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted accordingly in reference to the Operating Instructions.

1.4 Table for parameters of Test Software setting

Enter “QATool_Dbg.exe” into the calculator to enter the engineer mode, you can start to test. During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

| Mode | Ant. | Test Frequency (MHz) | | | | | | | | | | | | |
|-----------------------|-------|----------------------|------|------|------|------|------|------|------|------|------|-----|-----|------|
| | | NCB: 20MHz | | | | | | | | | | | | |
| | | 5180 | 520 | 524 | 526 | 5300 | 532 | 550 | 558 | 570 | 572 | 574 | 578 | 5825 |
| 802.11a 6Mbps | ANT 0 | 14 | 14 | 14 | / | / | / | / | / | / | / | 14 | 14 | 14 |
| | ANT 1 | 16 | 16 | 16 | / | / | / | / | / | / | / | 17 | 17 | 17 |
| 802.11n-HT20 MCS0 | ANT 0 | 14 | 14 | 14 | / | / | / | / | / | / | / | 14 | 14 | 14 |
| | ANT 1 | 16 | 16 | 16 | / | / | / | / | / | / | / | 17 | 17 | 17 |
| 802.11ax-HE20 MCS0 | ANT 0 | 14 | 14 | 14 | / | / | / | / | / | / | / | 14 | 14 | 14 |
| | ANT 1 | 16 | 16 | 16 | / | / | / | / | / | / | / | 17 | 17 | 17 |
| Mode | Ant. | NCB: 40MHz | | | | | | | | | | | | |
| | | 5190 | 5230 | 5270 | 5310 | 5510 | 5550 | 5670 | 5710 | 5755 | 5795 | | | |
| 802.11n-HT40 MCS0 | ANT 0 | 14 | 14 | / | / | / | / | / | / | / | / | 14 | 14 | |
| | ANT 1 | 16 | 16 | / | / | / | / | / | / | / | / | 17 | 17 | |
| 802.11ax-HE40 MCS0 | ANT 0 | 14 | 14 | / | / | / | / | / | / | / | / | 14 | 14 | |
| | ANT 1 | 16 | 16 | / | / | / | / | / | / | / | / | 17 | 17 | |
| Mode | Ant. | NCB: 80MHz | | | | | | | | | | | | |

| | | 5210 | 5290 | 5530 | 5610 | 5690 | 5775 |
|---------------|-------|------|------|------|------|------|------|
| 802.11ac-VH80 | ANT 0 | 14 | / | / | / | / | 14 |
| MCS0 | ANT 1 | 16 | / | / | / | / | 17 |
| 802.11ax-VE80 | ANT 0 | 14 | / | / | / | / | 14 |
| MCS0 | ANT 1 | 17 | / | / | / | / | 17 |

1.5 EUT Operating during test

EUT was programmed to be in continuously transmitting mode. During the test, EUT operation to normal function and programs under Android were executed.

1.6 Test Facility

Address of the test laboratory

Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Bao'an District, Shenzhen, P.R.C. (518101)

FCC – Registration No.: 125990

Waltek Testing Group (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

1.7 EUT Setup and Test Mode

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, with a duty cycle equal to 100%, and to measure its highest possible emissions level, more detailed description as follows:

| Test Mode List | | |
|----------------|---------------|---|
| Test Mode | Description | Remark |
| TM1 | 802.11a | 5180MHz,5200MHz,5240MHz, 5745MHz, 5785MHz,5825MHz |
| TM2 | 802.11n-HT20 | 5180MHz,5200MHz,5240MHz, 5745MHz, 5785MHz,5825MHz |
| TM3 | 802.11n-HT40 | 5190MHz,5230MHz, 5755MHz,5795MHz |
| TM4 | 802.11ax-HE20 | 5180MHz,5200MHz,5240MHz, 5745MHz, 5785MHz,5825MHz |
| TM5 | 802.11ax-HE40 | 5190MHz,5230MHz, 5755MHz,5795MHz |
| TM6 | 802.11ac-VH80 | 5210MHz, 5775 MHz |
| TM7 | 802.11ax-HE80 | 5210MHz, 5775 MHz |

Note : 802.11ac-VHT20, 802.11ac-VHT40 covered by 802.11n-HT20 and 802.11n-HT40.

| Test Conditions | |
|--------------------|-----------|
| Temperature: | 22~25 °C |
| Relative Humidity: | 45~55 %. |
| ATM Pressure: | 1019 mbar |

| EUT Cable List and Details | | | |
|----------------------------|------------|---------------------|------------------------|
| Cable Description | Length (m) | Shielded/Unshielded | With / Without Ferrite |
| DC Cable | 1.2 | Unshielded | Without Ferrite |
| RJ45 Cable | 1.0 | Unshielded | Without Ferrite |

| Special Cable List and Details | | | |
|--------------------------------|------------|---------------------|------------------------|
| Cable Description | Length (m) | Shielded/Unshielded | With / Without Ferrite |
| / | / | / | / |

| Auxiliary Equipment List and Details | | | |
|--------------------------------------|--------------|-------|---------------|
| Description | Manufacturer | Model | Serial Number |
| / | / | / | / |

1.8 Measurement Uncertainty

| Measurement uncertainty | | |
|--------------------------------|------------|--------------------------------|
| Parameter | Conditions | Uncertainty |
| RF Output Power | Conducted | $\pm 0.42\text{dB}$ |
| Occupied Bandwidth | Conducted | $\pm 1.5\%$ |
| Power Spectral Density | Conducted | $\pm 1.8\text{dB}$ |
| Conducted Spurious Emission | Conducted | $\pm 2.17\text{dB}$ |
| Conducted Emissions | Conducted | 9-150kHz $\pm 3.74\text{dB}$ |
| | | 0.15-30MHz $\pm 3.34\text{dB}$ |
| Transmitter Spurious Emissions | Radiated | 30-200MHz $\pm 4.52\text{dB}$ |
| | | 0.2-1GHz $\pm 5.56\text{dB}$ |
| | | 1-6GHz $\pm 3.84\text{dB}$ |
| | | 6-18GHz $\pm 3.92\text{dB}$ |

1.9 Test Equipment List and Details

| No. | Description | Manufacturer | Model | Serial No. | Cal Date | Due. Date |
|-----------|-------------------------|------------------------|-----------------------|-------------|------------|------------|
| SEMT-1075 | Communication Tester | Rohde & Schwarz | CMW500 | 148650 | 2021-03-27 | 2022-03-26 |
| SEMT-1063 | GSM Tester | Rohde & Schwarz | CMU200 | 114403 | 2021-03-27 | 2022-03-26 |
| SEMT-1072 | Spectrum Analyzer | Agilent | E4407B | MY41440400 | 2021-03-27 | 2022-03-26 |
| SEMT-1079 | Spectrum Analyzer | Agilent | N9020A | US47140102 | 2021-03-27 | 2022-03-26 |
| SEMT-1080 | Signal Generator | Agilent | 83752A | 3610A01453 | 2021-03-27 | 2022-03-26 |
| SEMT-1081 | Vector Signal Generator | Agilent | N5182A | MY47070202 | 2021-03-27 | 2022-03-26 |
| SEMT-1028 | Power Divider | Weinschel | 1506A | PM204 | 2021-03-27 | 2022-03-26 |
| SEMT-1082 | Power Divider | RF-Lambda | RFLT4W5M18G | 14110400027 | 2021-03-27 | 2022-03-26 |
| SEMT-1031 | Spectrum Analyzer | Rohde & Schwarz | FSP30 | 836079/035 | 2021-03-27 | 2022-03-26 |
| SEMT-1007 | EMI Test Receiver | Rohde & Schwarz | ESVB | 825471/005 | 2021-03-27 | 2022-03-26 |
| SEMT-1008 | Amplifier | Agilent | 8447F | 3113A06717 | 2021-04-12 | 2022-04-11 |
| SEMT-1043 | Amplifier | C&D | PAP-1G18 | 2002 | 2021-04-12 | 2022-04-11 |
| SEMT-1069 | Loop Antenna | Schwarz beck | FMZB 1516 | 9773 | 2021-03-19 | 2023-03-18 |
| SEMT-1068 | Broadband Antenna | Schwarz beck | VULB9163 | 9163-333 | 2021-03-19 | 2023-03-18 |
| SEMT-1042 | Horn Antenna | ETS | 3117 | 00086197 | 2021-03-19 | 2023-03-18 |
| SEMT-1121 | Horn Antenna | Schwarzbeck | BBHA 9170 | BBHA9170582 | 2021-04-27 | 2023-04-26 |
| SEMT-1169 | Pre-amplifier | Direction Systems Inc. | PAP-2640 | 14145-14153 | 2021-04-27 | 2022-04-26 |
| SEMT-1163 | Spectrum Analyzer | Rohde & Schwarz | FSP40 | 100612 | 2021-03-27 | 2022-03-26 |
| SEMT-1166 | Power Limiter | Agilent | N9356B | MY45450376 | 2021-03-27 | 2022-03-26 |
| SEMT-1076 | RF Switcher | Top Precision | RCS03-A2 | / | 2021-03-19 | 2023-03-18 |
| SEMT-C001 | Cable | Zheng DI | LL142-07-07-10M(A) | / | / | / |
| SEMT-C002 | Cable | Zheng DI | ZT40-2.92J-2.92J-6M | / | / | / |
| SEMT-C003 | Cable | Zheng DI | ZT40-2.92J-2.92J-2.5M | / | / | / |
| SEMT-C004 | Cable | Zheng DI | 2M0RFC | / | / | / |
| SEMT-C005 | Cable | Zheng DI | 1M0RFC | / | / | / |
| SEMT-C006 | Cable | Zheng DI | 1M0RFC | / | / | / |

| Software List | | | |
|--|---------------------|--------------|----------------|
| Description | Manufacturer | Model | Version |
| EMI Test Software (Radiated Emission)* | Farad | EZ-EMC | RA-03A1 |
| EMI Test Software (Conducted Emission)* | Farad | EZ-EMC | RA-03A1 |

*Remark: indicates software version used in the compliance certification testing.

2. SUMMARY OF TEST RESULTS

| FCC Rules | Description of Test Item | Result |
|--------------------------------|---|---------------|
| §15.203; §15.405 | Antenna Requirement | Compliant |
| 15.407 (c) | Automatically Discontinue Transmission | Compliant |
| §15.207; §15.407(b)(6) | Conducted Emission | Compliant |
| §15.407(a)(1),(2) | Power Spectral Density | Compliant |
| §15.407(e) | Emission Bandwidth and Occupied Bandwidth | Compliant |
| §15.407(a)(1),(2) | Maximum Conducted Output Power | Compliant |
| §15.407(b)(1),(2),(3),(4) | Undesirable emission | Compliant |
| §15.205; §15.407(b)(1),(2),(3) | Radiated Emission | Compliant |
| §15.407(g) | Frequency Stability | Compliant |
| §15.407(h) | Dynamic Frequency Selection (DFS) | Compliant |

N/A: Not applicable.

3. Antenna Requirement

3.1 Standard Applicable

According to FCC Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.2 Evaluation Information

This product has two External antennas, fulfill the requirement of this section. And the signals at the antennas are completely uncorrelated.

4. Automatically Discontinue Transmission

4.1 Standard Applicable

According to FCC Part 15.407(c), the device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

4.2 Summary of Test Results

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

5. Power Spectral Density

5.1 Standard Applicable

Section 15.407(a) Power limits:

(1) For the band 5.15-5.25GHz.

(iv) For mobile and portable client devices in the 5.15-5.25GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250mW provided the maximum antenna gain does not exceed 6dBi. In addition, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(2) For the 5.25-5.35GHz and 5.47-5.725GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250mW or $11\text{dBm} + 10 \log B$, where B is the 26dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(3) For the band 5.725-5.85GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30dBm in any 500kHz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

5.2 Test Procedure

According to 789033 D02 v02r01 General UNII Test Procedures New Rules v02, the following is the measurement procedure.

For devices operating in the bands 5.15-5.25GHz, 5.25-5.35GHz, and 5.47-5.725GHz, the above procedures make use of 1MHz RBW to satisfy directly the 1MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85GHz, the rules specify a measurement bandwidth of 500kHz. Many spectrum analyzers do not have 500kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1MHz, or 500kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1MHz, or 500kHz). If

measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500kHz bandwidth, the following adjustments to the procedures apply:

- a) Set $RBW \geq 1/T$, where T is defined in section II.B.1.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500kHz, add $10\log(500\text{kHz}/RBW)$ to the measured result, whereas $RBW (< 500\text{kHz})$ is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1MHz, add $10\log(1\text{MHz}/RBW)$ to the measured result, whereas $RBW (< 1\text{MHz})$ is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100kHz for the sections 5.c) and 5.d) above, since $RBW=100\text{kHz}$ is available on nearly all spectrum analyzers.

5.3 Summary of Test Results/Plots

Please refer to Appendix A

6. Emission Bandwidth and Occupied Bandwidth

6.1 Standard Applicable

According to 15.407(a) and (e):

(1) For the band 5.15-5.25GHz.

(iv) For mobile and portable client devices in the 5.15-5.25GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250mW provided the maximum antenna gain does not exceed 6dBi. In addition, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(2) For the 5.25-5.35GHz and 5.47-5.725GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250mW or $11\text{dBm} + 10 \log B$, where B is the 26dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(3) For the band 5.725-5.85GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30dBm in any 500kHz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

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

6.2 Test Procedure

According to 789033 D02 v02r0r section C&D, the following is the measurement procedure.

1. Emission Bandwidth (EBW)

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.

- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

2. Minimum Emission Bandwidth for the band 5.725-5.85GHz

Section 15.407(e) specifies the minimum 6dB emission bandwidth of at least 500KHz for the band 5.715-5.85GHz. The following procedure shall be used for measuring this bandwidth:

- a) Set RBW = 100kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

D. 99 Percent Occupied Bandwidth

The 99-percent occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99-percent occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in section II.G.3.d). Measurements of 99-percent occupied bandwidth may also optionally be used in lieu of the EBW to 789033 D02 v02r01 General UNII Test Procedures New Rules v01 define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in section II.E. However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

The following procedure shall be used for measuring (99 %) power bandwidth:

- 1. Set center frequency to the nominal EUT channel center frequency.
- 2. Set span = 1.5 times to 5.0 times the OBW.
- 3. Set RBW = 1 % to 5 % of the OBW
- 4. Set VBW $\geq 3 * RBW$
- 5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- 6. Use the 99 % power bandwidth function of the instrument (if available).
- 7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

6.3 Summary of Test Results/Plots

Please refer to Appendix B

7. Maximum Conducted Output Power

7.1 Standard Applicable

Section 15.407(a) Power limits:

(1) For the band 5.15-5.25GHz.

(iv) For mobile and portable client devices in the 5.15-5.25GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250mW provided the maximum antenna gain does not exceed 6dBi. In addition, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(2) For the 5.25-5.35GHz and 5.47-5.725GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250mW or $11\text{dBm} + 10 \log B$, where B is the 26dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(3) For the band 5.725-5.85GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30dBm in any 500kHz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

7.2 Test Procedure

According to KDB789033 D02 v02r01 section E, the following is the measurement procedure.

- (i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (ii) Set RBW = 1MHz.
- (iii) Set VBW \geq 3MHz.
- (iv) Number of points in sweep \geq 2 Span / RBW. (This ensures that bin-to-bin spacing is \leq RBW/2, so that narrowband signals are not lost between frequency bins.)

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[Http://www.waltek.com.cn](http://www.waltek.com.cn)

- (v) Sweep time = auto.
- (vi) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- (vii) If transmit duty cycle < 98 percent, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle \geq 98 percent, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to “free run”.
- (viii) Trace average at least 100 traces in power averaging (i.e., RMS) mode.
- (ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument’s band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

7.3 Summary of Test Results/Plots

Please refer to Appendix C

8. Radiated Spurious Emissions

8.1 Standard Applicable

According to §15.407(b), undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25GHz band: All emissions outside of the 5.15-5.35GHz band shall not exceed an e.i.r.p. of -27dBm/MHz .
- (2) For transmitters operating in the 5.25-5.35GHz band: All emissions outside of the 5.15-5.35GHz band shall not exceed an e.i.r.p. of -27dBm/MHz .
- (3) For transmitters operating in the 5.47-5.725GHz band: All emissions outside of the 5.47-5.725GHz band shall not exceed an e.i.r.p. of -27dBm/MHz .
- (4) For transmitters operating in the 5.725-5.85GHz band:
 - (i) All emissions shall be limited to a level of -27dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10dBm/MHz at 25MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6dBm/MHz at 5MHz above or below the band edge, and from 5MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

According to §15.407(b)(6), Unwanted emissions below 1GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

According to §15.407(b)(7), The provisions of §15.205 apply to intentional radiators operating under this section. 789033 D02 v02r01 General UNII Test Procedures New Rules v01

If radiated measurements are performed, field strength is then converted to EIRP as follows:

$$\text{EIRP} = ((E*d)^2) / 30$$

where:

- E is the field strength in V/m;
- d is the measurement distance in meters;
- EIRP is the equivalent isotropically radiated power in watts.

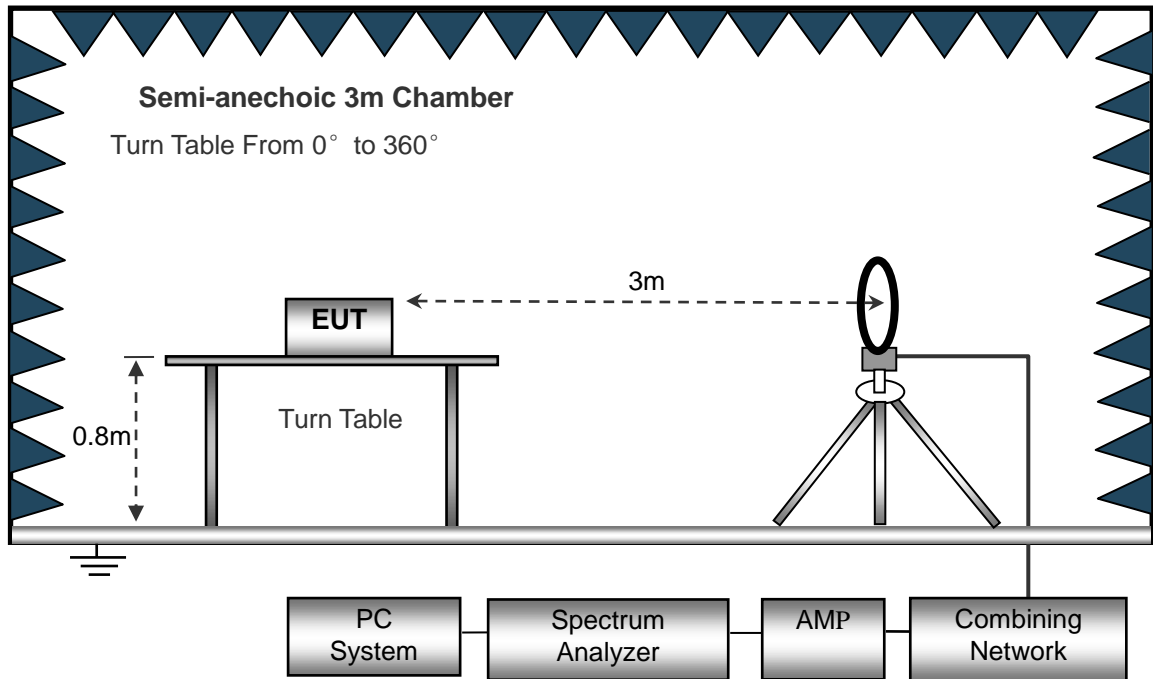
8.2 Test Procedure

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.205 15.407(b)(6) and FCC Part 15.209 Limit..

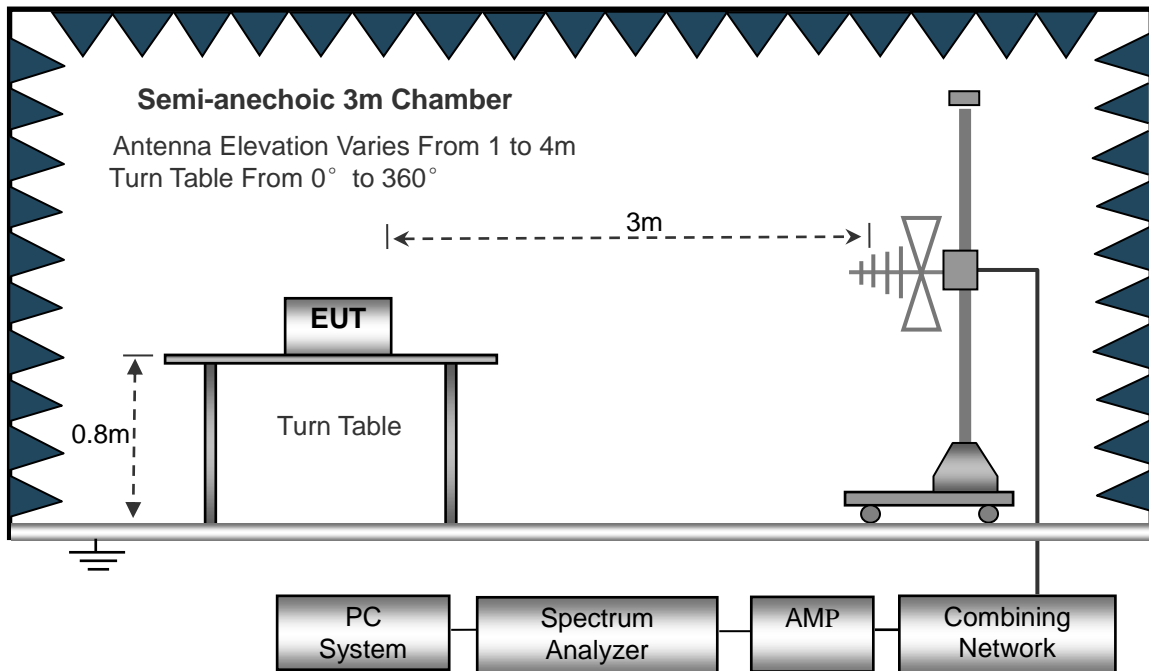
The external I/O cables were draped along the test table and formed a bundle 30 to 40cm long in the middle.

The spacing between the peripherals was 10cm.

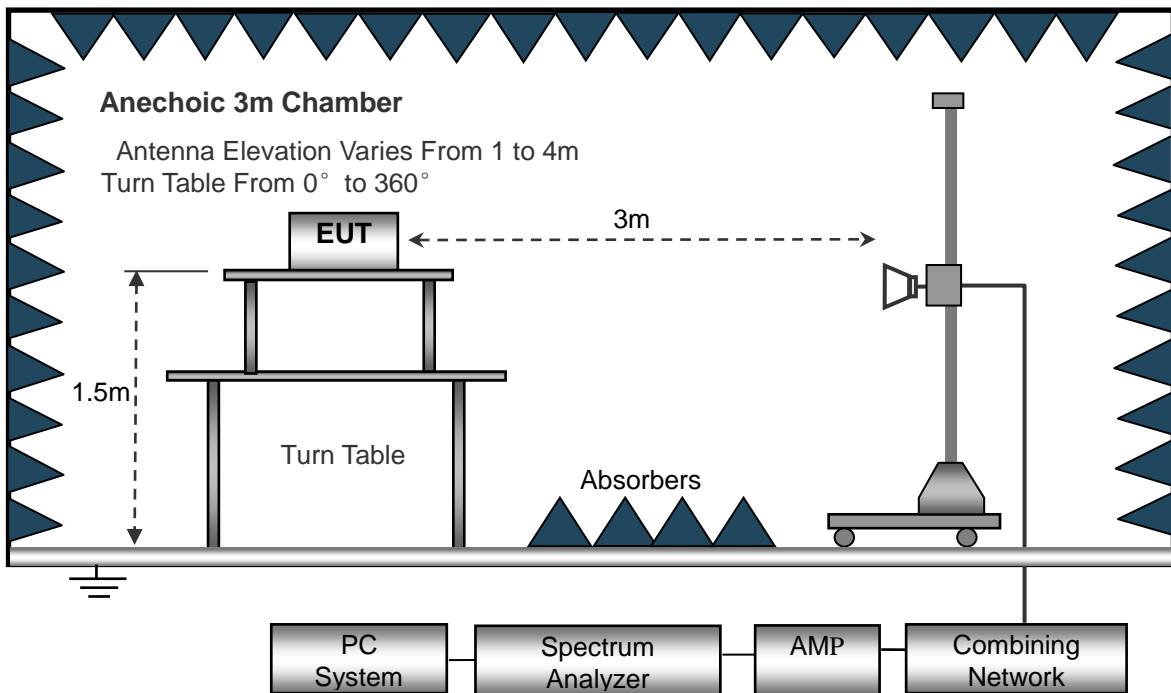
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30 MHz to 1 GHz.



The test setup for emission measurement above 1GHz.



8.3 Test Receiver Setup

During the radiated emission test for above 1GHz, the test receiver was set with the following configurations:

For peak detector:

RBW = 1000kHz, VBW = 3000kHz, Sweep Time = Auto

For average detector:

RBW = 1000kHz, VBW = 10Hz, Sweep Time = Auto

8.4 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Ant. Factor} + \text{Cable Loss} - \text{Ampl. Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dB μ V means the emission is 6dB μ V below the maximum limit for Class B. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15 Limit}$$

8.5 Summary of Test Results/Plots

Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

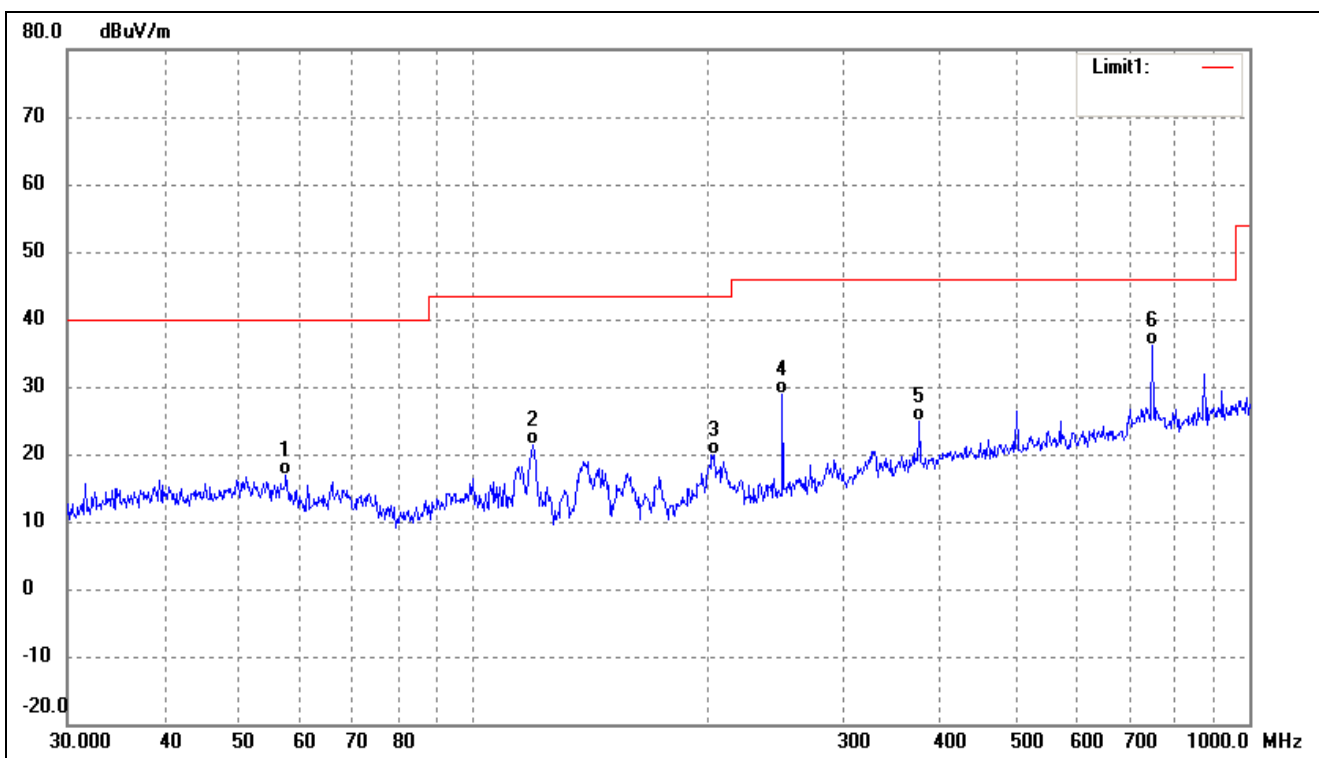
➤ Spurious Emission From 30MHz to 1GHz

➤ Antenna 0(Worst case)

➤ 5150-5250MHz

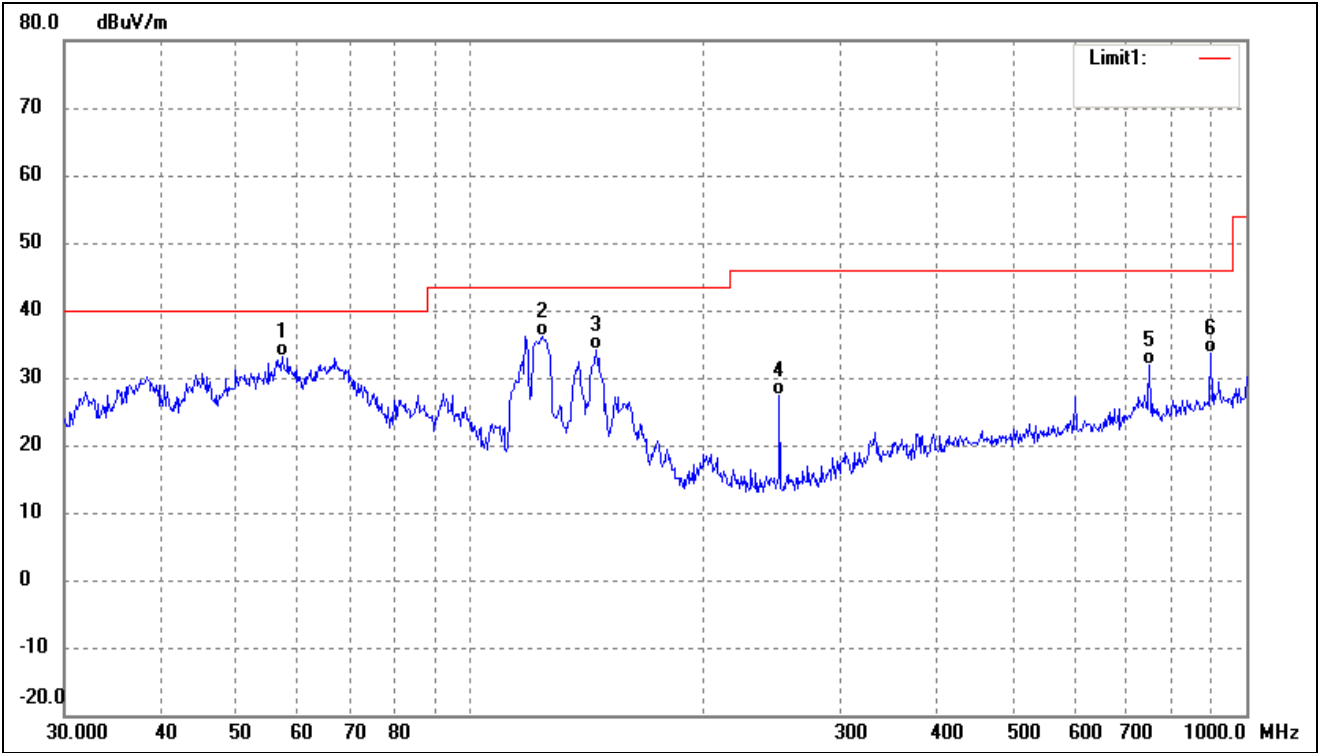
802.11a(Worst case)

| | | | |
|--------------|---------|-----------|------------|
| Test Channel | 5180MHz | Polarity: | Horizontal |
|--------------|---------|-----------|------------|



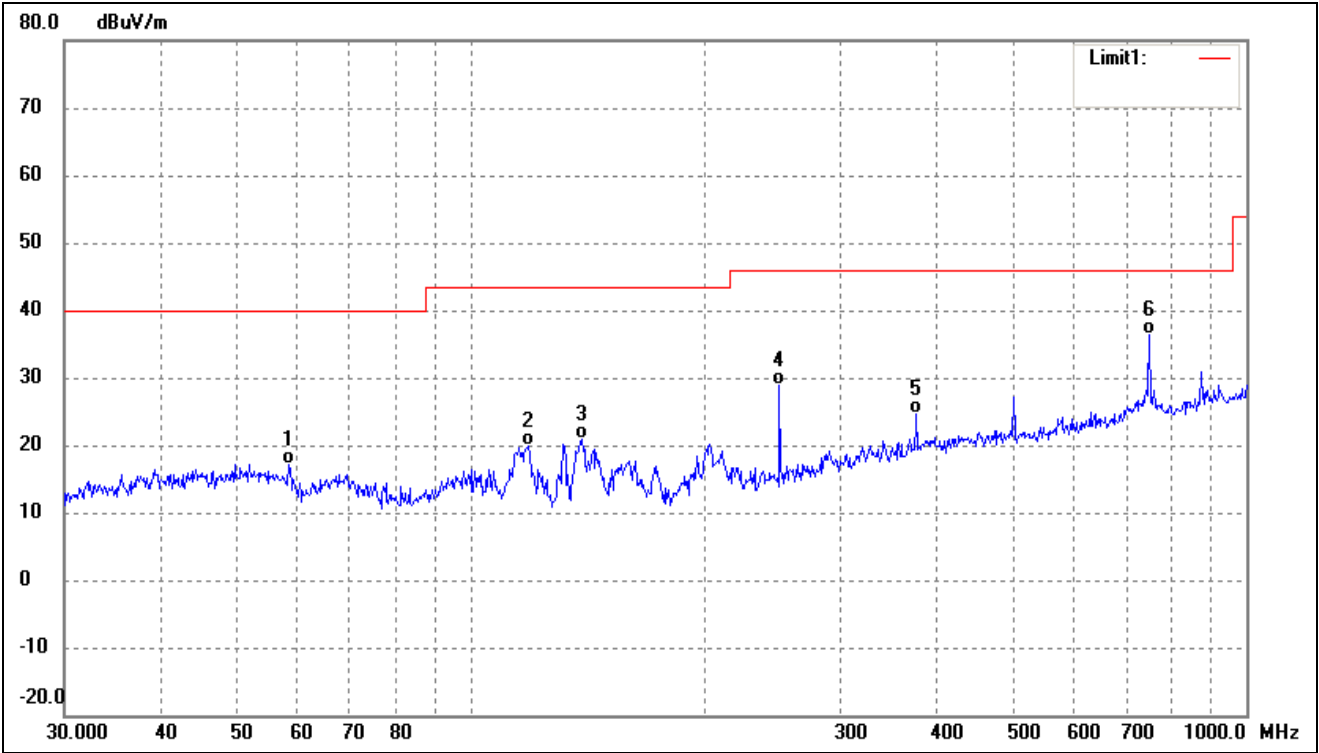
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct dB/m | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree () | Height (cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1 | 57.3923 | 29.10 | -12.31 | 16.79 | 40.00 | -23.21 | - | - | QP |
| 2 | 119.4361 | 35.11 | -13.85 | 21.26 | 43.50 | -22.24 | - | - | QP |
| 3 | 204.2377 | 32.28 | -12.28 | 20.00 | 43.50 | -23.50 | - | - | QP |
| 4 | 250.3012 | 39.68 | -10.88 | 28.80 | 46.00 | -17.20 | - | - | QP |
| 5 | 375.9385 | 31.85 | -6.94 | 24.91 | 46.00 | -21.09 | - | - | QP |
| 6 | 750.1083 | 38.21 | -2.14 | 36.07 | 46.00 | -9.93 | - | - | QP |

| | | | |
|---------------------|---------|-----------|----------|
| 802.11a(Worst case) | | | |
| Test Channel | 5180MHz | Polarity: | Vertical |



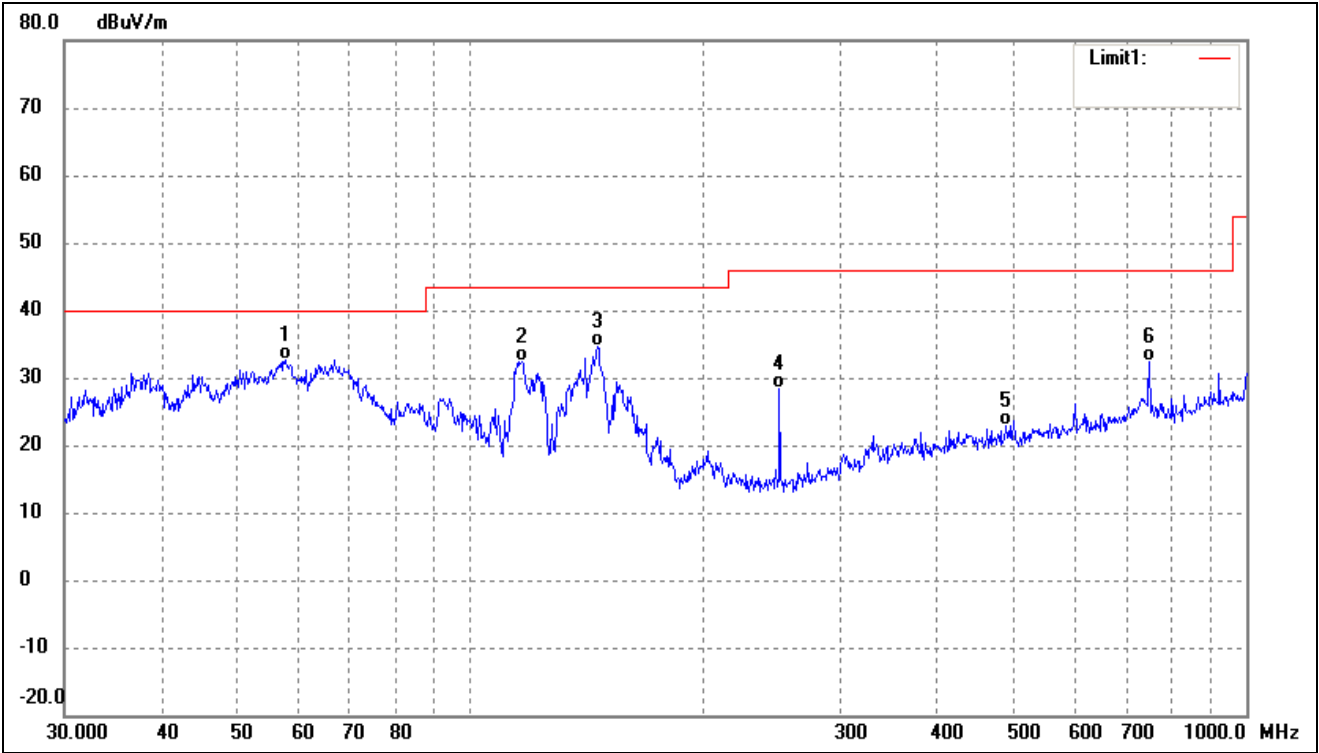
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree () | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1 | 57.1914 | 45.41 | -12.28 | 33.13 | 40.00 | -6.87 | - | - | QP |
| 2 | 124.1330 | 50.46 | -14.28 | 36.18 | 43.50 | -7.32 | - | - | QP |
| 3 | 145.3506 | 49.33 | -15.25 | 34.08 | 43.50 | -9.42 | - | - | QP |
| 4 | 250.3012 | 38.29 | -10.88 | 27.41 | 46.00 | -18.59 | - | - | QP |
| 5 | 750.1083 | 34.13 | -2.14 | 31.99 | 46.00 | -14.01 | - | - | QP |
| 6 | 900.1474 | 33.05 | 0.48 | 33.53 | 46.00 | -12.47 | - | - | QP |

| | | | |
|---------------------|---------|-----------|------------|
| 802.11a(Worst case) | | | |
| Test Channel | 5200MHz | Polarity: | Horizontal |



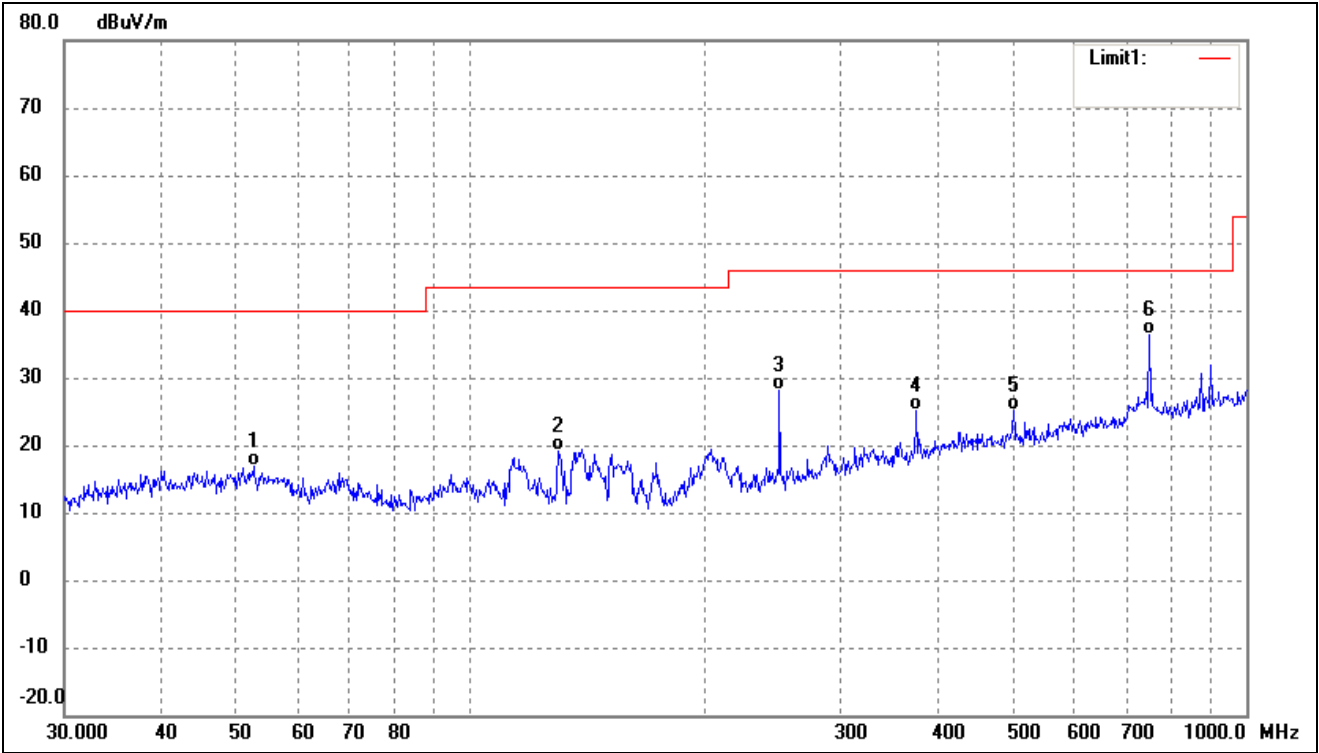
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree () | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1 | 58.4074 | 29.73 | -12.52 | 17.21 | 40.00 | -22.79 | - | - | QP |
| 2 | 118.6014 | 33.69 | -13.74 | 19.95 | 43.50 | -23.55 | - | - | QP |
| 3 | 139.3613 | 36.10 | -15.16 | 20.94 | 43.50 | -22.56 | - | - | QP |
| 4 | 250.3012 | 39.78 | -10.88 | 28.90 | 46.00 | -17.10 | - | - | QP |
| 5 | 375.9385 | 31.59 | -6.94 | 24.65 | 46.00 | -21.35 | - | - | QP |
| 6 | 750.1083 | 38.63 | -2.14 | 36.49 | 46.00 | -9.51 | - | - | QP |

| | | | |
|---------------------|---------|-----------|----------|
| 802.11a(Worst case) | | | |
| Test Channel | 5200MHz | Polarity: | Vertical |



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree () | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1 | 57.7962 | 45.13 | -12.40 | 32.73 | 40.00 | -7.27 | - | - | QP |
| 2 | 116.5401 | 45.97 | -13.47 | 32.50 | 43.50 | -11.00 | - | - | QP |
| 3 | 145.8611 | 49.77 | -15.25 | 34.52 | 43.50 | -8.98 | - | - | QP |
| 4 | 250.3012 | 39.17 | -10.88 | 28.29 | 46.00 | -17.71 | - | - | QP |
| 5 | 490.7447 | 28.06 | -5.19 | 22.87 | 46.00 | -23.13 | - | - | QP |
| 6 | 750.1083 | 34.49 | -2.14 | 32.35 | 46.00 | -13.65 | - | - | QP |

| | | | |
|---------------------|---------|-----------|------------|
| 802.11a(Worst case) | | | |
| Test Channel | 5240MHz | Polarity: | Horizontal |



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree () | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1 | 52.5753 | 28.18 | -11.39 | 16.79 | 40.00 | -23.21 | - | - | QP |
| 2 | 129.9226 | 33.90 | -14.80 | 19.10 | 43.50 | -24.40 | - | - | QP |
| 3 | 250.3012 | 39.09 | -10.88 | 28.21 | 46.00 | -17.79 | - | - | QP |
| 4 | 375.9385 | 31.95 | -6.94 | 25.01 | 46.00 | -20.99 | - | - | QP |
| 5 | 501.1790 | 30.23 | -5.16 | 25.07 | 46.00 | -20.93 | - | - | QP |
| 6 | 750.1083 | 38.48 | -2.14 | 36.34 | 46.00 | -9.66 | - | - | QP |

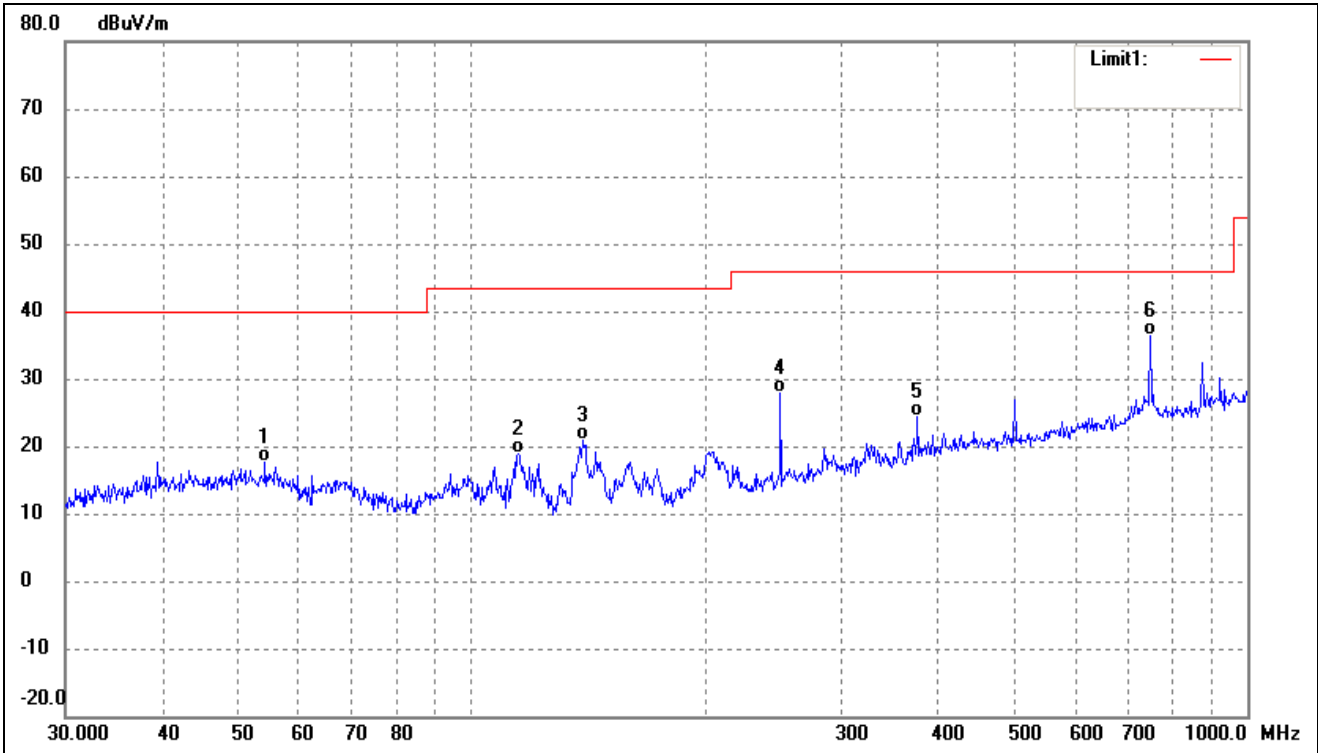
| | | | |
|---------------------|---------|-----------|----------|
| 802.11a(Worst case) | | | |
| Test Channel | 5240MHz | Polarity: | Vertical |



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree () | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1 | 58.4074 | 45.49 | -12.52 | 32.97 | 40.00 | -7.03 | - | - | QP |
| 2 | 68.6310 | 47.72 | -15.08 | 32.64 | 40.00 | -7.36 | - | - | QP |
| 3 | 115.7256 | 45.59 | -13.36 | 32.23 | 43.50 | -11.27 | - | - | QP |
| 4 | 146.3735 | 48.96 | -15.25 | 33.71 | 43.50 | -9.79 | - | - | QP |
| 5 | 250.3012 | 37.55 | -10.88 | 26.67 | 46.00 | -19.33 | - | - | QP |
| 6 | 750.1083 | 35.10 | -2.14 | 32.96 | 46.00 | -13.04 | - | - | QP |

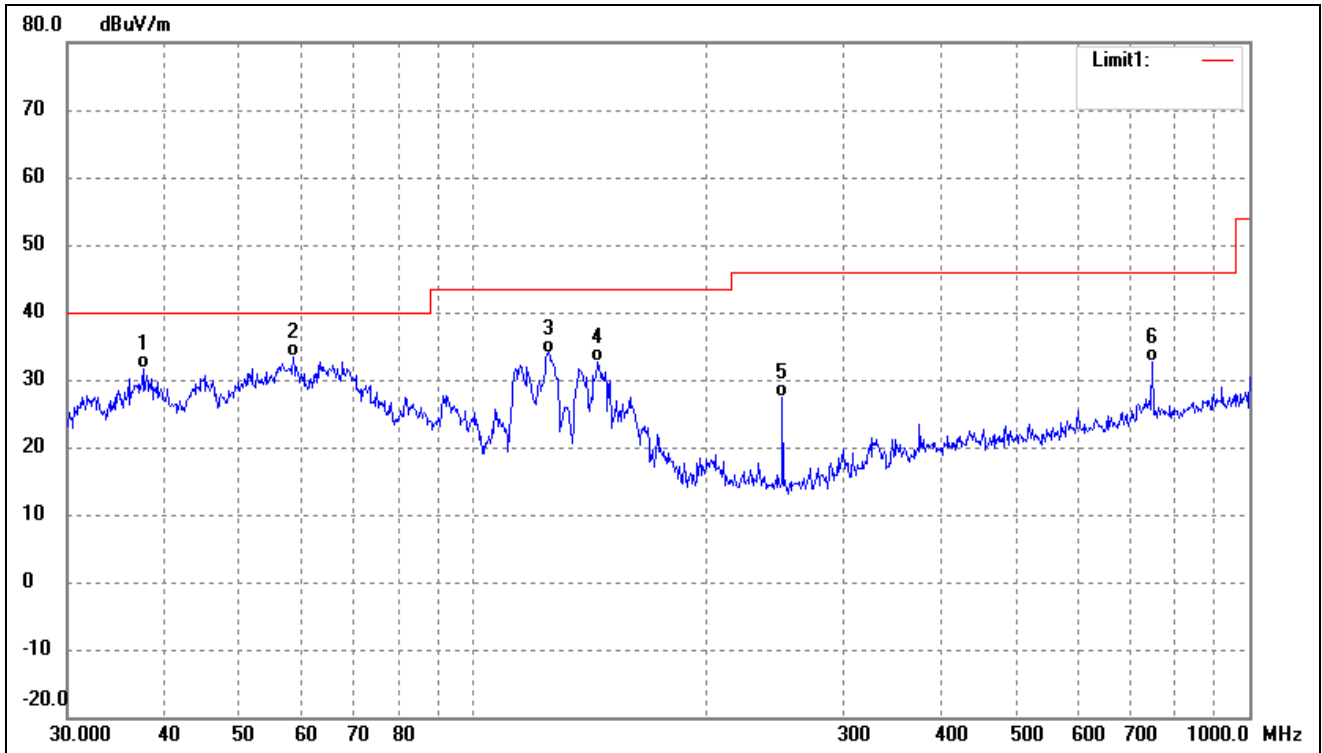
➤ Antenna 0(worst case): 5725-5850MHz

| | | | |
|---------------------|---------|-----------|------------|
| 802.11a(worst case) | | | |
| Test Channel | 5745MHz | Polarity: | Horizontal |



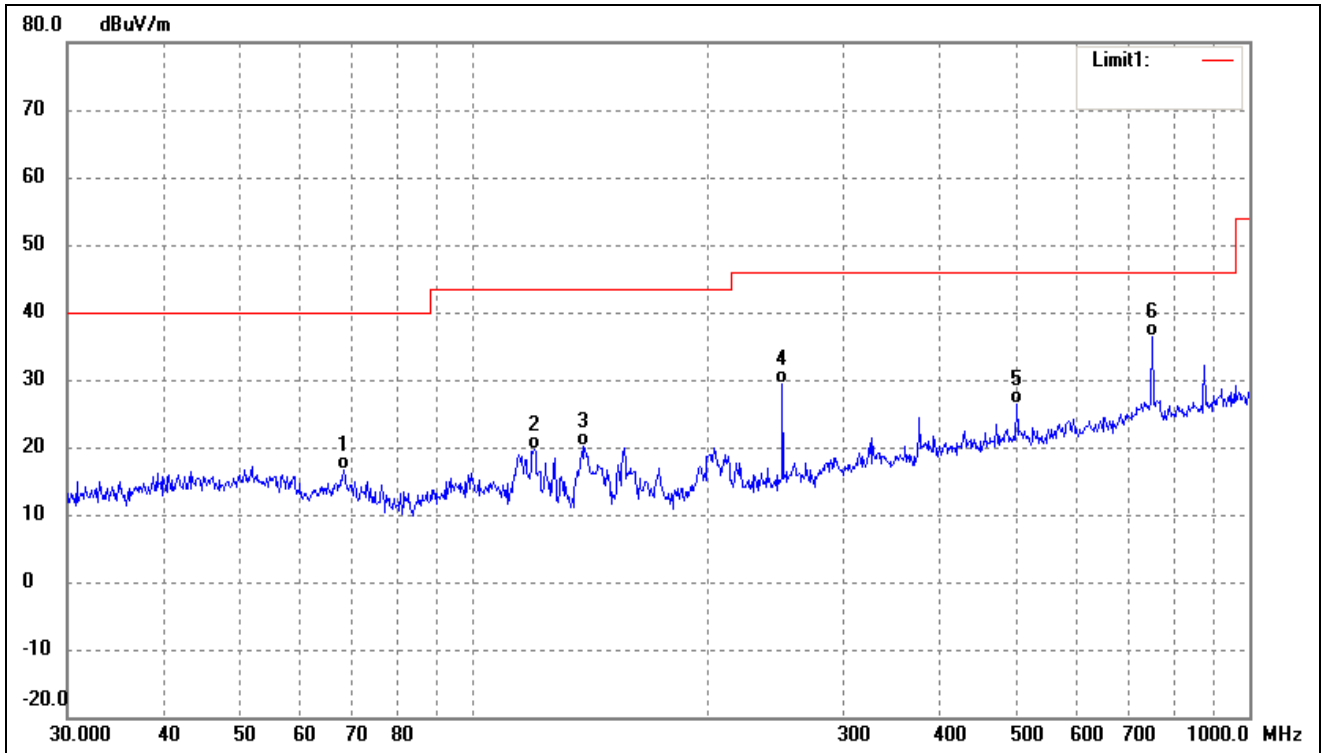
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree () | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1 | 54.2610 | 29.28 | -11.71 | 17.57 | 40.00 | -22.43 | - | - | QP |
| 2 | 114.9169 | 32.21 | -13.26 | 18.95 | 43.50 | -24.55 | - | - | QP |
| 3 | 139.3613 | 35.92 | -15.16 | 20.76 | 43.50 | -22.74 | - | - | QP |
| 4 | 250.3012 | 38.83 | -10.88 | 27.95 | 46.00 | -18.05 | - | - | QP |
| 5 | 375.9385 | 31.41 | -6.94 | 24.47 | 46.00 | -21.53 | - | - | QP |
| 6 | 750.1083 | 38.48 | -2.14 | 36.34 | 46.00 | -9.66 | - | - | QP |

| | | | |
|---------------------|---------|-----------|----------|
| 802.11a(worst case) | | | |
| Test Channel | 5745MHz | Polarity: | Vertical |



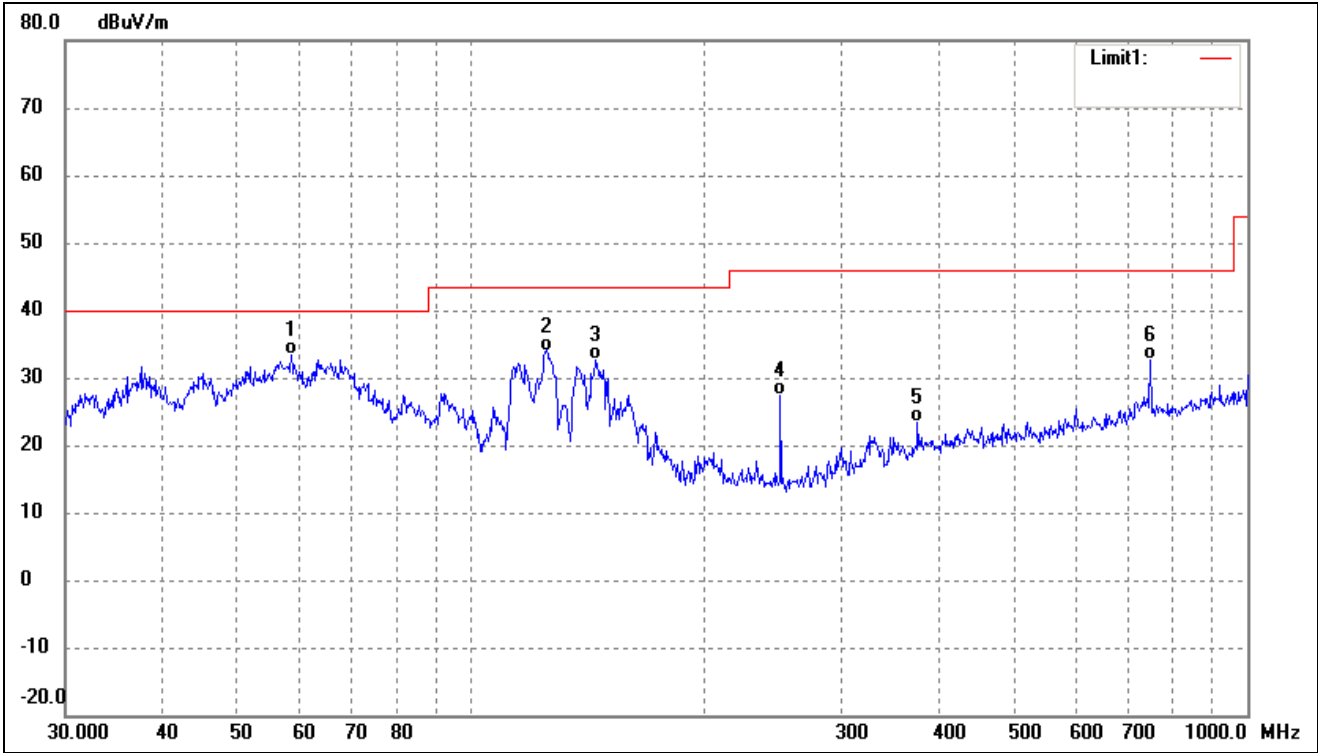
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree () | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1 | 37.5479 | 42.91 | -11.34 | 31.57 | 40.00 | -8.43 | - | - | QP |
| 2 | 58.6126 | 46.04 | -12.56 | 33.48 | 40.00 | -6.52 | - | - | QP |
| 3 | 125.0066 | 48.37 | -14.37 | 34.00 | 43.50 | -9.50 | - | - | QP |
| 4 | 144.3348 | 47.79 | -15.23 | 32.56 | 43.50 | -10.94 | - | - | QP |
| 5 | 250.3012 | 38.24 | -10.88 | 27.36 | 46.00 | -18.64 | - | - | QP |
| 6 | 750.1083 | 34.81 | -2.14 | 32.67 | 46.00 | -13.33 | - | - | QP |

| | | | |
|---------------------|---------|-----------|------------|
| 802.11a(worst case) | | | |
| Test Channel | 5785MHz | Polarity: | Horizontal |



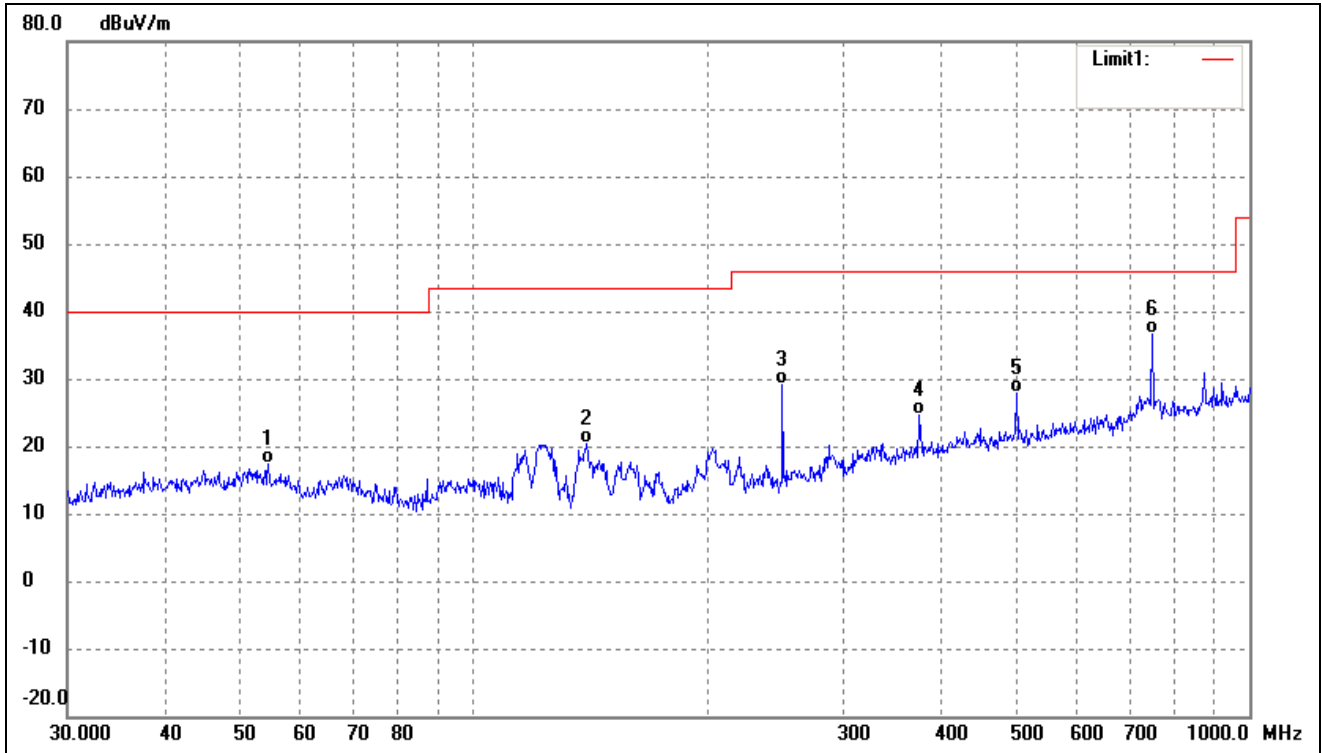
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree () | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1 | 68.1514 | 31.58 | -14.93 | 16.65 | 40.00 | -23.35 | - | - | QP |
| 2 | 119.8556 | 33.54 | -13.91 | 19.63 | 43.50 | -23.87 | - | - | QP |
| 3 | 138.8735 | 35.36 | -15.13 | 20.23 | 43.50 | -23.27 | - | - | QP |
| 4 | 250.3012 | 40.26 | -10.88 | 29.38 | 46.00 | -16.62 | - | - | QP |
| 5 | 501.1790 | 31.66 | -5.16 | 26.50 | 46.00 | -19.50 | - | - | QP |
| 6 | 750.1083 | 38.54 | -2.14 | 36.40 | 46.00 | -9.60 | - | - | QP |

| | | | |
|---------------------|---------|-----------|----------|
| 802.11a(worst case) | | | |
| Test Channel | 5785MHz | Polarity: | Vertical |



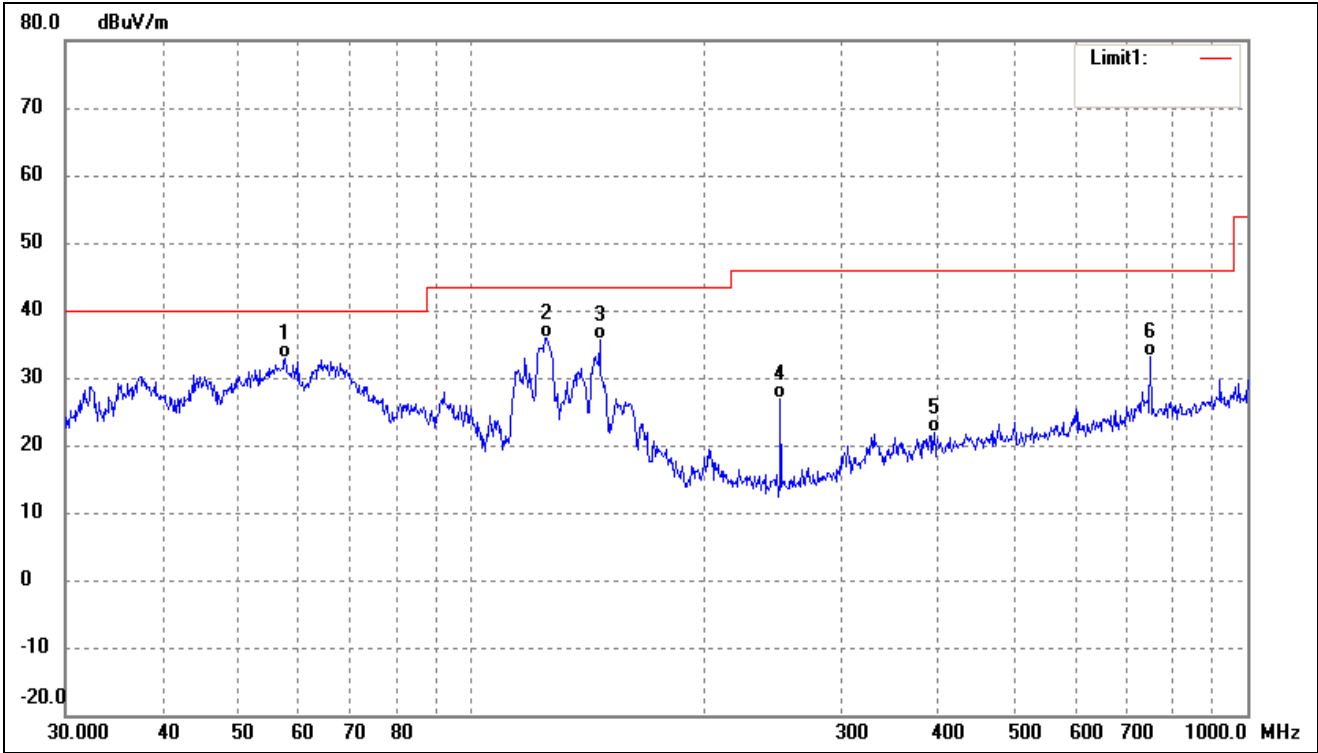
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree () | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1 | 58.6126 | 46.04 | -12.56 | 33.48 | 40.00 | -6.52 | - | - | QP |
| 2 | 125.0066 | 48.37 | -14.37 | 34.00 | 43.50 | -9.50 | - | - | QP |
| 3 | 144.3348 | 47.79 | -15.23 | 32.56 | 43.50 | -10.94 | - | - | QP |
| 4 | 250.3012 | 38.24 | -10.88 | 27.36 | 46.00 | -18.64 | - | - | QP |
| 5 | 375.9385 | 30.36 | -6.94 | 23.42 | 46.00 | -22.58 | - | - | QP |
| 6 | 750.1083 | 34.81 | -2.14 | 32.67 | 46.00 | -13.33 | - | - | QP |

| | | | |
|---------------------|---------|-----------|------------|
| 802.11a(worst case) | | | |
| Test Channel | 5825MHz | Polarity: | Horizontal |



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree () | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1 | 54.4516 | 29.10 | -11.75 | 17.35 | 40.00 | -22.65 | - | - | QP |
| 2 | 139.8508 | 35.60 | -15.17 | 20.43 | 43.50 | -23.07 | - | - | QP |
| 3 | 250.3012 | 39.97 | -10.88 | 29.09 | 46.00 | -16.91 | - | - | QP |
| 4 | 375.9385 | 31.59 | -6.94 | 24.65 | 46.00 | -21.35 | - | - | QP |
| 5 | 501.1790 | 32.97 | -5.16 | 27.81 | 46.00 | -18.19 | - | - | QP |
| 6 | 750.1083 | 38.79 | -2.14 | 36.65 | 46.00 | -9.35 | - | - | QP |

| | | | |
|---------------------|---------|-----------|----------|
| 802.11a(worst case) | | | |
| Test Channel | 5825MHz | Polarity: | Vertical |

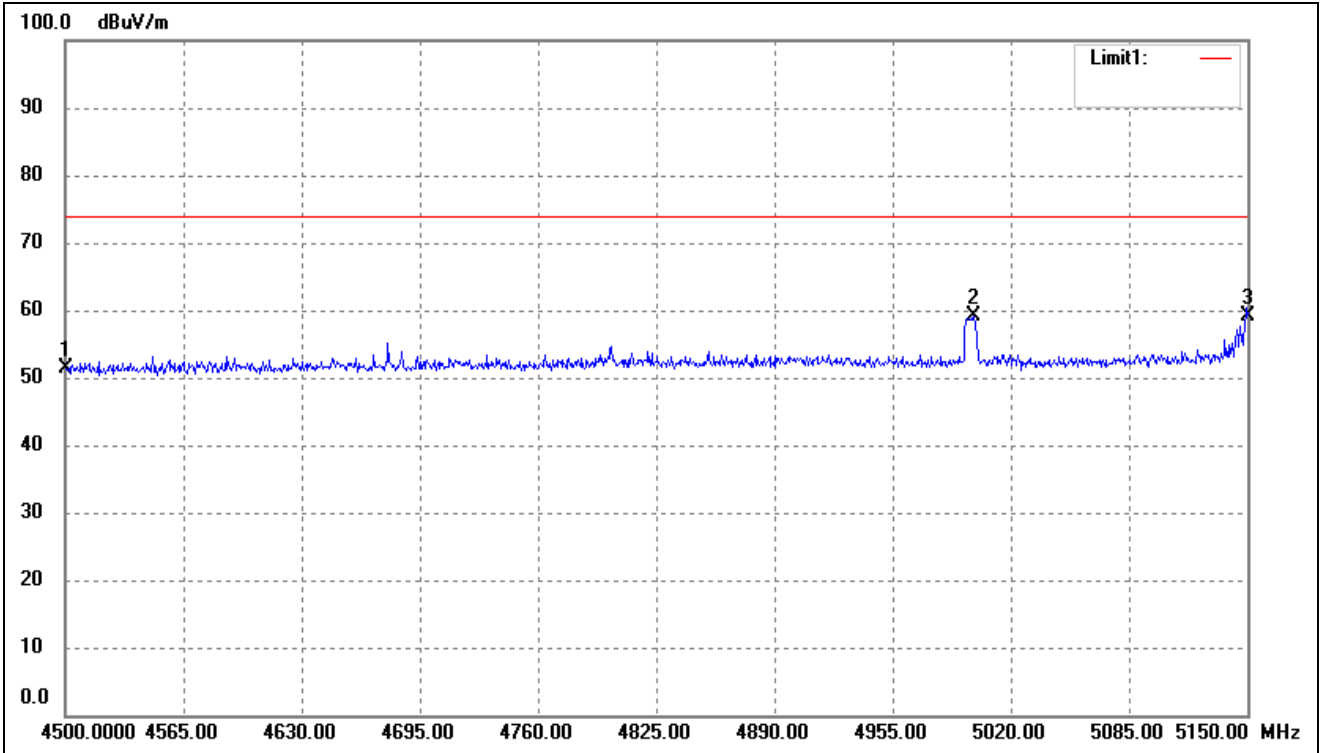


| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree () | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1 | 57.5939 | 45.19 | -12.36 | 32.83 | 40.00 | -7.17 | - | - | QP |
| 2 | 125.0066 | 50.30 | -14.37 | 35.93 | 43.50 | -7.57 | - | - | QP |
| 3 | 146.3735 | 50.76 | -15.25 | 35.51 | 43.50 | -7.99 | - | - | QP |
| 4 | 250.3012 | 37.70 | -10.88 | 26.82 | 46.00 | -19.18 | - | - | QP |
| 5 | 394.8545 | 28.34 | -6.39 | 21.95 | 46.00 | -24.05 | - | - | QP |
| 6 | 750.1083 | 35.30 | -2.14 | 33.16 | 46.00 | -12.84 | - | - | QP |

Remark: '-'Means' the test Degree and Height are not recorded by the test software and only show the worst case in the test report.

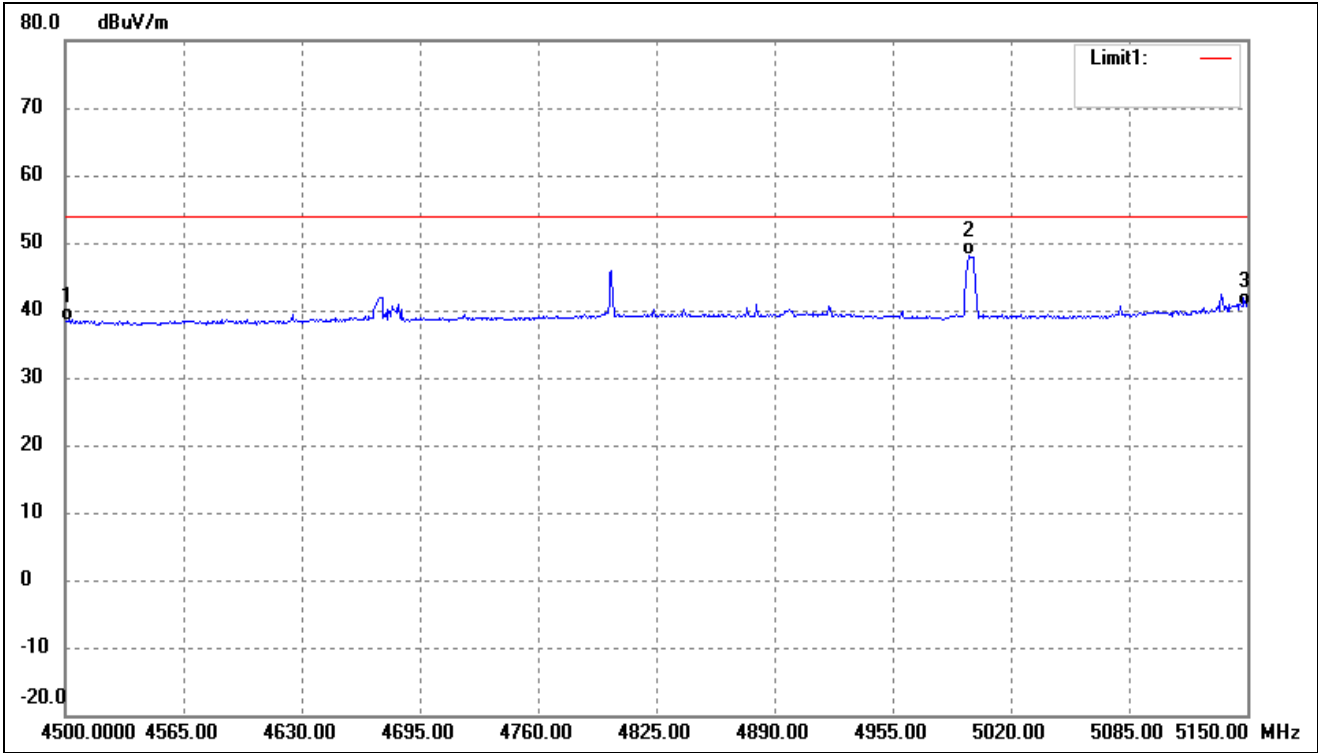
- Spurious Emission above 1GHz
- Antenna 0(worst case)

| | | | |
|---|-------------------|-----------|----------------------|
| 802.11a- Restricted Bandedge (worst case) | | | |
| Test Channel | band 4.50-5.15GHz | Polarity: | Vertical(worst case) |



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree () | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1 | 4500.000 | 52.64 | -1.32 | 51.32 | 74.00 | -22.68 | - | - | peak |
| 2 | 4999.200 | 59.44 | -0.41 | 59.03 | 74.00 | -14.97 | - | - | peak |
| 3 | 5150.000 | 59.19 | -0.10 | 59.09 | 74.00 | -14.91 | - | - | peak |

| | | | |
|---|-------------------|-----------|----------------------|
| 802.11a- Restricted Bandedge (worst case) | | | |
| Test Channel | Band 4.50-5.15GHz | Polarity: | Vertical(worst case) |



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree () | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1 | 4500.000 | 39.81 | -1.32 | 38.49 | 54.00 | -15.51 | - | - | AVG |
| 2 | 4997.250 | 48.49 | -0.41 | 48.08 | 54.00 | -5.92 | - | - | AVG |
| 3 | 5150.000 | 40.83 | -0.10 | 40.73 | 54.00 | -13.27 | - | - | AVG |

Note: The Restricted Bandedge was tested in Horizontal /Vertical and the worst case position data was reported.

Remark: ‘-’Means’ the test Degree and Height is not recorded by the test software and only show the worst case in the test report.

- For the frequency band 5.15-5.25GHz, 5.725-5.850GHz (802.11a)
- Antenna 0(worst case)
- Harmonics And Spurious Emissions

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|--------------------------|----------|---------|----------|----------|--------|-------|----------|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5180MHz) | | | | | | | |
| 10360 | 56.25 | 7.11 | 63.36 | 74.00 | -10.64 | H | PK |
| 15540 | 35.02 | 8.22 | 43.24 | 54.00 | -10.76 | H | AV |
| 10360 | 58.09 | 7.11 | 65.20 | 74.00 | -8.80 | V | PK |
| 15540 | 38.87 | 8.22 | 47.09 | 54.00 | -6.91 | V | AV |
| Middle Channel (5200MHz) | | | | | | | |
| 10400 | 56.87 | 7.22 | 64.09 | 74.00 | -9.91 | H | PK |
| 15600 | 35.17 | 8.67 | 43.84 | 54.00 | -10.16 | H | AV |
| 10400 | 55.22 | 7.22 | 62.44 | 74.00 | -11.56 | V | PK |
| 15600 | 38.57 | 8.67 | 47.24 | 54.00 | -6.76 | V | AV |
| High Channel (5240MHz) | | | | | | | |
| 10480 | 55.56 | 7.69 | 63.25 | 74.00 | -10.75 | H | PK |
| 15720 | 38.83 | 8.93 | 47.76 | 54.00 | -6.24 | H | AV |
| 10480 | 58.55 | 7.69 | 66.24 | 74.00 | -7.76 | V | PK |
| 15720 | 37.46 | 8.93 | 46.39 | 54.00 | -7.61 | V | AV |

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|--------------------------|----------|---------|----------|----------|--------|-------|----------|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5745MHz) | | | | | | | |
| 11490 | 56.32 | 9.45 | 65.77 | 74.00 | -8.23 | H | PK |
| 17235 | 33.74 | 10.36 | 44.10 | 54.00 | -9.90 | H | AV |
| 11490 | 54.80 | 9.45 | 64.25 | 74.00 | -9.75 | V | PK |
| 17235 | 36.80 | 10.36 | 47.16 | 54.00 | -6.84 | V | AV |
| Middle Channel (5785MHz) | | | | | | | |
| 11570 | 58.07 | 9.62 | 67.69 | 74.00 | -6.31 | H | PK |
| 17355 | 35.81 | 10.67 | 46.48 | 54.00 | -7.52 | H | AV |
| 11570 | 57.89 | 9.62 | 67.51 | 74.00 | -6.49 | V | PK |
| 17355 | 34.84 | 10.67 | 45.51 | 54.00 | -8.49 | V | AV |
| High Channel (5825MHz) | | | | | | | |
| 11650 | 58.11 | 9.84 | 67.95 | 74.00 | -6.05 | H | PK |
| 17475 | 33.47 | 10.95 | 44.42 | 54.00 | -9.58 | H | AV |
| 11650 | 53.51 | 9.84 | 63.35 | 74.00 | -10.65 | V | PK |
| 17475 | 35.67 | 10.95 | 46.62 | 54.00 | -7.38 | V | AV |

➤ Out of Band edge for 5150-5250MHz

| Test CH. | Test Segment | Result | Limit |
|--|--------------|---------|---------|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5150 | -35.33 | -27 |
| Highest | Above 5350 | -43.09 | -27 |
| Note: the data just list the worst cases | | | |

➤ Out of Band edge for 5725-5850MHz

| Test CH. | Test Segment | Result | Limit |
|--|--------------|---------|---------|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5715 | -38.95 | -27 |
| | 5715 to 5725 | -41.84 | -17 |
| Highest | 5850 to 5860 | -40.81 | -17 |
| | Above 5860 | -42.59 | -27 |
| Note: the data just list the worst cases | | | |

- For the frequency band 5.15-5.25GHz, 5.725-5.850GHz (802.11n HT20)
- Harmonics And Spurious Emissions

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|--------------------------|----------|---------|----------|----------|--------|-------|----------|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5180MHz) | | | | | | | |
| 10360 | 55.54 | 7.11 | 62.65 | 74.00 | -11.35 | H | PK |
| 15540 | 37.40 | 8.22 | 45.62 | 54.00 | -8.38 | H | AV |
| 10360 | 60.00 | 7.11 | 67.11 | 74.00 | -6.89 | V | PK |
| 15540 | 38.76 | 8.22 | 46.98 | 54.00 | -7.02 | V | AV |
| Middle Channel (5200MHz) | | | | | | | |
| 10400 | 56.83 | 7.22 | 64.05 | 74.00 | -9.95 | H | PK |
| 15600 | 37.80 | 8.67 | 46.47 | 54.00 | -7.53 | H | AV |
| 10400 | 57.62 | 7.22 | 64.84 | 74.00 | -9.16 | V | PK |
| 15600 | 35.98 | 8.67 | 44.65 | 54.00 | -9.35 | V | AV |
| High Channel (5240MHz) | | | | | | | |
| 10480 | 55.56 | 7.69 | 63.25 | 74.00 | -10.75 | H | PK |
| 15720 | 35.87 | 8.93 | 44.80 | 54.00 | -9.20 | H | AV |
| 10480 | 59.16 | 7.69 | 66.85 | 74.00 | -7.15 | V | PK |
| 15720 | 38.23 | 8.93 | 47.16 | 54.00 | -6.84 | V | AV |

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|--------------------------|----------|---------|----------|----------|--------|-------|----------|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5745MHz) | | | | | | | |
| 11490 | 57.83 | 9.45 | 67.28 | 74.00 | -6.72 | H | PK |
| 17235 | 36.28 | 10.36 | 46.64 | 54.00 | -7.36 | H | AV |
| 11490 | 56.74 | 9.45 | 66.19 | 74.00 | -7.81 | V | PK |
| 17235 | 34.97 | 10.36 | 45.33 | 54.00 | -8.67 | V | AV |
| Middle Channel (5785MHz) | | | | | | | |
| 11570 | 57.90 | 9.62 | 67.52 | 74.00 | -6.48 | H | PK |
| 17355 | 36.43 | 10.67 | 47.10 | 54.00 | -6.90 | H | AV |
| 11570 | 55.52 | 9.62 | 65.14 | 74.00 | -8.86 | V | PK |
| 17355 | 37.32 | 10.67 | 47.99 | 54.00 | -6.01 | V | AV |
| High Channel (5825MHz) | | | | | | | |
| 11650 | 55.14 | 9.84 | 64.98 | 74.00 | -9.02 | H | PK |
| 17475 | 35.63 | 10.95 | 46.58 | 54.00 | -7.42 | H | AV |
| 11650 | 57.62 | 9.84 | 67.46 | 74.00 | -6.54 | V | PK |
| 17475 | 36.95 | 10.95 | 47.90 | 54.00 | -6.10 | V | AV |

➤ Out of Band edge for 5150-5250MHz

| Test CH. | Test Segment | Result | Limit |
|--|--------------|---------|---------|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5150 | -29.84 | -27 |
| Highest | Above 5350 | -38.79 | -27 |
| Note: the data just list the worst cases | | | |

➤ Out of Band edge for 5725-5850MHz

| Test CH. | Test Segment | Result | Limit |
|---|--------------|---------|---------|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5715 | -44.74 | -27 |
| | 5715 to 5725 | -34.26 | -17 |
| Highest | 5850 to 5860 | -39.38 | -17 |
| | Above 5860 | -41.43 | -27 |
| Note: the data just list the worst cases. | | | |

- For the frequency band 5.15-5.25GHz, 5.725-5.850GHz (802.11ax HE20)
- Harmonics And Spurious Emissions

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|--------------------------|----------|---------|----------|----------|--------|-------|----------|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5180MHz) | | | | | | | |
| 10360 | 55.04 | 7.11 | 62.15 | 74.00 | -11.85 | H | PK |
| 15540 | 37.20 | 8.22 | 45.42 | 54.00 | -8.58 | H | AV |
| 10360 | 57.30 | 7.11 | 64.41 | 74.00 | -9.59 | V | PK |
| 15540 | 38.44 | 8.22 | 46.66 | 54.00 | -7.34 | V | AV |
| Middle Channel (5200MHz) | | | | | | | |
| 10400 | 57.82 | 7.22 | 65.04 | 74.00 | -8.96 | H | PK |
| 15600 | 36.60 | 8.67 | 45.27 | 54.00 | -8.73 | H | AV |
| 10400 | 57.73 | 7.22 | 64.95 | 74.00 | -9.05 | V | PK |
| 15600 | 36.11 | 8.67 | 44.78 | 54.00 | -9.22 | V | AV |
| High Channel (5240MHz) | | | | | | | |
| 10480 | 54.98 | 7.69 | 62.67 | 74.00 | -11.33 | H | PK |
| 15720 | 36.49 | 8.93 | 45.42 | 54.00 | -8.58 | H | AV |
| 10480 | 58.99 | 7.69 | 66.68 | 74.00 | -7.32 | V | PK |
| 15720 | 37.98 | 8.93 | 46.91 | 54.00 | -7.09 | V | AV |

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|--------------------------|----------|---------|----------|----------|--------|-------|----------|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5745MHz) | | | | | | | |
| 11490 | 57.41 | 9.45 | 66.86 | 74.00 | -7.14 | H | PK |
| 17235 | 36.23 | 10.36 | 46.59 | 54.00 | -7.41 | H | AV |
| 11490 | 55.05 | 9.45 | 64.50 | 74.00 | -9.50 | V | PK |
| 17235 | 34.74 | 10.36 | 45.10 | 54.00 | -8.90 | V | AV |
| Middle Channel (5785MHz) | | | | | | | |
| 11570 | 55.18 | 9.62 | 64.80 | 74.00 | -9.20 | H | PK |
| 17355 | 36.13 | 10.67 | 46.80 | 54.00 | -7.20 | H | AV |
| 11570 | 55.93 | 9.62 | 65.55 | 74.00 | -8.45 | V | PK |
| 17355 | 35.96 | 10.67 | 46.63 | 54.00 | -7.37 | V | AV |
| High Channel (5825MHz) | | | | | | | |
| 11650 | 54.86 | 9.84 | 64.70 | 74.00 | -9.30 | H | PK |
| 17475 | 34.57 | 10.95 | 45.52 | 54.00 | -8.48 | H | AV |
| 11650 | 57.72 | 9.84 | 67.56 | 74.00 | -6.44 | V | PK |
| 17475 | 34.78 | 10.95 | 45.73 | 54.00 | -8.27 | V | AV |

➤ Out of Band edge 5150-5250MHz

| Test CH. | Test Segment | Result | Limit |
|---|--------------|---------|---------|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5150 | -32.88 | -27 |
| Highest | Above 5350 | -39.43 | -27 |
| Note: the data just list the worst cases. | | | |

➤ Out of Band edge for 5725-5850MHz

| Test CH. | Test Segment | Result | Limit |
|---|--------------|---------|---------|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5715 | -46.35 | -27 |
| | 5715 to 5725 | -34.24 | -17 |
| Highest | 5850 to 5860 | -34.71 | -17 |
| | Above 5860 | -43.90 | -27 |
| Note: the data just list the worst cases. | | | |

Note: this EUT was tested in the low, high channel and the worst case position data was reported.

- For the frequency band 5.15-5.25GHz, 5.725-5.850GHz (802.11n HT40)
- Harmonics And Spurious Emissions

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|------------------------|----------|---------|----------|----------|--------|-------|----------|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5190MHz) | | | | | | | |
| 10380 | 57.14 | 7.25 | 64.39 | 74.00 | -9.61 | H | PK |
| 15570 | 37.31 | 8.33 | 45.64 | 54.00 | -8.36 | H | AV |
| 10380 | 58.79 | 7.25 | 66.04 | 74.00 | -7.96 | V | PK |
| 15570 | 38.55 | 8.33 | 46.88 | 54.00 | -7.12 | V | AV |
| High Channel (5230MHz) | | | | | | | |
| 10460 | 57.46 | 7.54 | 65.00 | 74.00 | -9.00 | H | PK |
| 15690 | 38.98 | 8.86 | 47.84 | 54.00 | -6.16 | H | AV |
| 10460 | 58.13 | 7.54 | 65.67 | 74.00 | -8.33 | V | PK |
| 15690 | 38.80 | 8.86 | 47.66 | 54.00 | -6.34 | V | AV |

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|------------------------|----------|---------|----------|----------|--------|-------|----------|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5755MHz) | | | | | | | |
| 11510 | 56.17 | 9.65 | 65.82 | 74.00 | -8.18 | H | PK |
| 17265 | 36.04 | 10.87 | 46.91 | 54.00 | -7.09 | H | AV |
| 11510 | 56.36 | 9.65 | 66.01 | 74.00 | -7.99 | V | PK |
| 17265 | 35.97 | 10.87 | 46.84 | 54.00 | -7.16 | V | AV |
| High Channel (5795MHz) | | | | | | | |
| 11590 | 55.95 | 9.81 | 65.76 | 74.00 | -8.24 | H | PK |
| 17385 | 34.09 | 10.89 | 44.98 | 54.00 | -9.02 | H | AV |
| 11590 | 56.83 | 9.81 | 66.64 | 74.00 | -7.36 | V | PK |
| 17385 | 36.90 | 10.89 | 47.79 | 54.00 | -6.21 | V | AV |

➤ Out of Band edge for 5150-5250MHz

| Test CH. | Test Segment | Result | Limit |
|---|--------------|---------|---------|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5150 | -37.04 | -27 |
| Highest | Above 5350 | -40.95 | -27 |
| Note: the data just list the worst cases. | | | |

➤ Out of Band edge for 5725-5850MHz

| Test CH. | Test Segment | Result | Limit |
|---|--------------|---------|---------|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5715 | -40.42 | -27 |
| | 5715 to 5725 | -39.30 | -17 |
| Highest | 5850 to 5860 | -42.46 | -17 |
| | Above 5860 | -43.41 | -27 |
| Note: the data just list the worst cases. | | | |

- For the frequency band 5.15-5.25GHz, 5.725-5.850GHz (802.11ax HT40)
- Harmonics And Spurious Emissions

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|------------------------|----------|---------|----------|----------|--------|-------|----------|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5190MHz) | | | | | | | |
| 10380 | 57.11 | 7.25 | 64.36 | 74.00 | -9.64 | H | PK |
| 15570 | 37.40 | 8.33 | 45.73 | 54.00 | -8.27 | H | AV |
| 10380 | 59.49 | 7.25 | 66.74 | 74.00 | -7.26 | V | PK |
| 15570 | 37.56 | 8.33 | 45.89 | 54.00 | -8.11 | V | AV |
| High Channel (5230MHz) | | | | | | | |
| 10460 | 57.40 | 7.54 | 64.94 | 74.00 | -9.06 | H | PK |
| 15690 | 38.51 | 8.86 | 47.37 | 54.00 | -6.63 | H | AV |
| 10460 | 59.83 | 7.54 | 67.37 | 74.00 | -6.63 | V | PK |
| 15690 | 37.60 | 8.86 | 46.46 | 54.00 | -7.54 | V | AV |

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|------------------------|----------|---------|----------|----------|--------|-------|----------|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5755MHz) | | | | | | | |
| 11510 | 55.41 | 9.65 | 65.06 | 74.00 | -8.94 | H | PK |
| 17265 | 35.32 | 10.87 | 46.19 | 54.00 | -7.81 | H | AV |
| 11510 | 55.71 | 9.65 | 65.36 | 74.00 | -8.64 | V | PK |
| 17265 | 36.05 | 10.87 | 46.92 | 54.00 | -7.08 | V | AV |
| High Channel (5795MHz) | | | | | | | |
| 11590 | 55.55 | 9.81 | 65.36 | 74.00 | -8.64 | H | PK |
| 17385 | 34.01 | 10.89 | 44.90 | 54.00 | -9.10 | H | AV |
| 11590 | 56.81 | 9.81 | 66.62 | 74.00 | -7.38 | V | PK |
| 17385 | 36.46 | 10.89 | 47.35 | 54.00 | -6.65 | V | AV |

➤ Out of Band edge for 5150-5250MHz

| Test CH. | Test Segment | Result | Limit |
|---|--------------|---------|---------|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5150 | -36.40 | -27 |
| Highest | Above 5350 | -40.13 | -27 |
| Note: the data just list the worst cases. | | | |

➤ Out of Band edge for 5725-5850MHz

| Test CH. | Test Segment | Result | Limit |
|---|--------------|---------|---------|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5715 | -40.40 | -27 |
| | 5715 to 5725 | -38.37 | -17 |
| Highest | 5850 to 5860 | -42.98 | -17 |
| | Above 5860 | -43.38 | -27 |
| Note: the data just list the worst cases. | | | |

Note: Testing is carried out with frequency rang 9kHz to 40GHz, other than listed in the table above are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

- For the frequency band 5.15-5.25GHz, 5.725-5.850GHz (802.11ac VH80)
- Harmonics And Spurious Emissions

| Frequency (MHz) | Reading (dBuV/m) | Correct dB | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Polar H/V | Detector |
|--------------------|---------------------|---------------|--------------------|-------------------|----------------|--------------|----------|
| 5210MHz | | | | | | | |
| 10420 | 58.19 | 7.33 | 65.52 | 74.00 | -8.48 | H | PK |
| 15630 | 36.36 | 8.75 | 45.11 | 54.00 | -8.89 | H | AV |
| 10420 | 56.18 | 7.33 | 63.51 | 74.00 | -10.49 | V | PK |
| 15630 | 37.52 | 8.75 | 46.27 | 54.00 | -7.73 | V | AV |

| Frequency (MHz) | Reading (dBuV/m) | Correct dB | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Polar H/V | Detector |
|--------------------|---------------------|---------------|--------------------|-------------------|----------------|--------------|----------|
| 5775MHz | | | | | | | |
| 11550 | 55.25 | 9.54 | 64.79 | 74.00 | -9.21 | H | PK |
| 17325 | 36.18 | 10.59 | 46.77 | 54.00 | -7.23 | H | AV |
| 11550 | 57.94 | 9.54 | 67.48 | 74.00 | -6.52 | V | PK |
| 17325 | 33.47 | 10.59 | 44.06 | 54.00 | -9.94 | V | AV |

- Out of Band edge for 5150-5250MHz

| Test CH. | Test Segment | Result | Limit |
|--|--------------|---------|---------|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5150 | -35.86 | -27 |
| Highest | Above 5350 | -32.62 | -27 |
| Note: the data just list the worst cases | | | |

- Out of Band edge for 5725-5850MHz

| Test CH. | Test Segment | Result | Limit |
|--|--------------|---------|---------|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5715 | -45.55 | -27 |
| | 5715 to 5725 | -32.49 | -17 |
| Highest | 5850 to 5860 | -30.69 | -17 |
| | Above 5860 | -39.01 | -27 |
| Note: the data just list the worst cases | | | |

- For the frequency band 5.15-5.25GHz, 5.725-5.850GHz (802.11ax HE80)
- Harmonics And Spurious Emissions

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|-----------|----------|---------|----------|----------|--------|-------|----------|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| 5210MHz | | | | | | | |
| 10420 | 58.22 | 7.33 | 65.55 | 74.00 | -8.45 | H | PK |
| 15630 | 35.91 | 8.75 | 44.66 | 54.00 | -9.34 | H | AV |
| 10420 | 56.96 | 7.33 | 64.29 | 74.00 | -9.71 | V | PK |
| 15630 | 37.51 | 8.75 | 46.26 | 54.00 | -7.74 | V | AV |

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|-----------|----------|---------|----------|----------|--------|-------|----------|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| 5775MHz | | | | | | | |
| 11550 | 55.53 | 9.54 | 65.07 | 74.00 | -8.93 | H | PK |
| 17325 | 36.92 | 10.59 | 47.51 | 54.00 | -6.49 | H | AV |
| 11550 | 57.00 | 9.54 | 66.54 | 74.00 | -7.46 | V | PK |
| 17325 | 33.74 | 10.59 | 44.33 | 54.00 | -9.67 | V | AV |

- Out of Band edge for 5150-5250MHz

| Test CH. | Test Segment | Result | Limit |
|----------|--------------|---------|---------|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5150 | -33.04 | -27 |
| Highest | Above 5350 | -30.81 | -27 |

Note: the data just list the worst cases

- Out of Band edge for 5725-5850MHz

| Test CH. | Test Segment | Result | Limit |
|----------|--------------|---------|---------|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5715 | -41.81 | -27 |
| | 5715 to 5725 | -29.18 | -17 |
| Highest | 5850 to 5860 | -31.65 | -17 |
| | Above 5860 | -40.00 | -27 |

Note: the data just list the worst cases

9. Frequency Stability

9.1 Standard Applicable

According to §15.407(g), manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

9.2 Test Procedure

According to §2.1055, the following test procedure was performed.

The Frequency Stability is measured directly with a Frequency Domain Analyzer. Frequency Deviation in ppm is calculated from the measured peak to peak value.

The Carrier Frequency Stability over Power Supply Voltage and over Temperature is measured with a Frequency Domain Analyzer in histogram mode.

9.3 Summary of Test Results/Plots

Please refer to Appendix D

10 Conducted Emissions

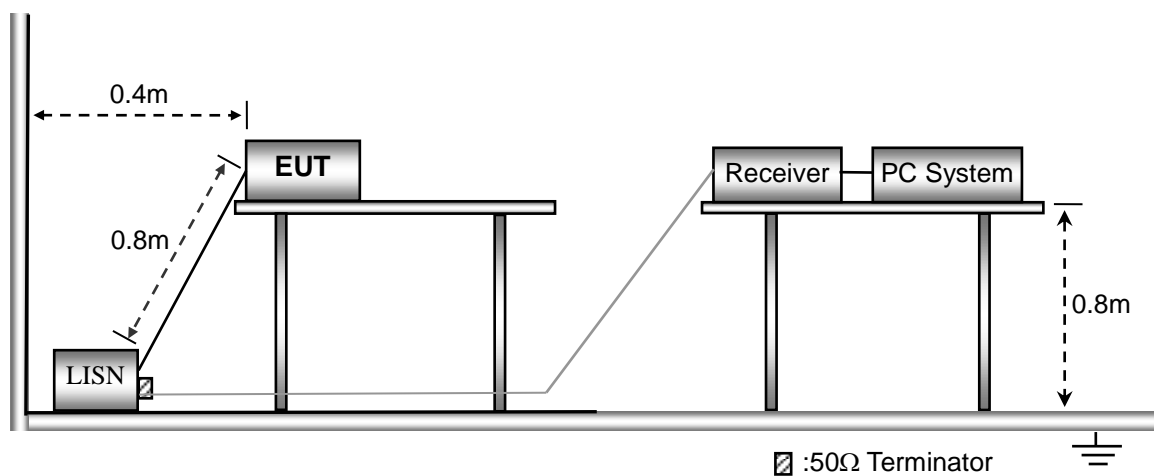
10.1 Test Procedure

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40cm long in the middle.

The spacing between the peripherals was 10cm.

10.2 Basic Test Setup Block Diagram



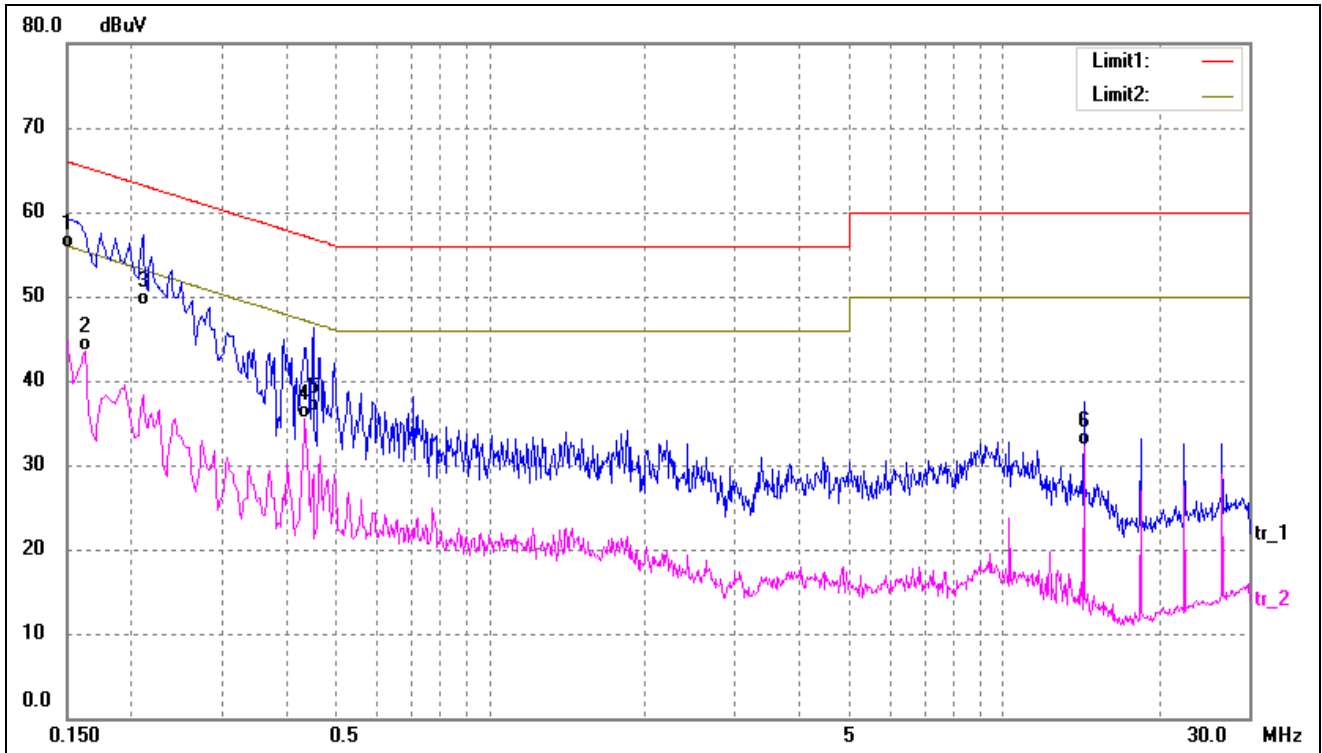
10.3 Test Receiver Setup

During the conducted emission test, the test receiver was set with the following configurations:

| | |
|------------------------------------|--------|
| Start Frequency | 150kHz |
| Stop Frequency | 30MHz |
| Sweep Speed | Auto |
| IF Bandwidth..... | 10kHz |
| Quasi-Peak Adapter Bandwidth | 9kHz |
| Quasi-Peak Adapter Mode | Normal |

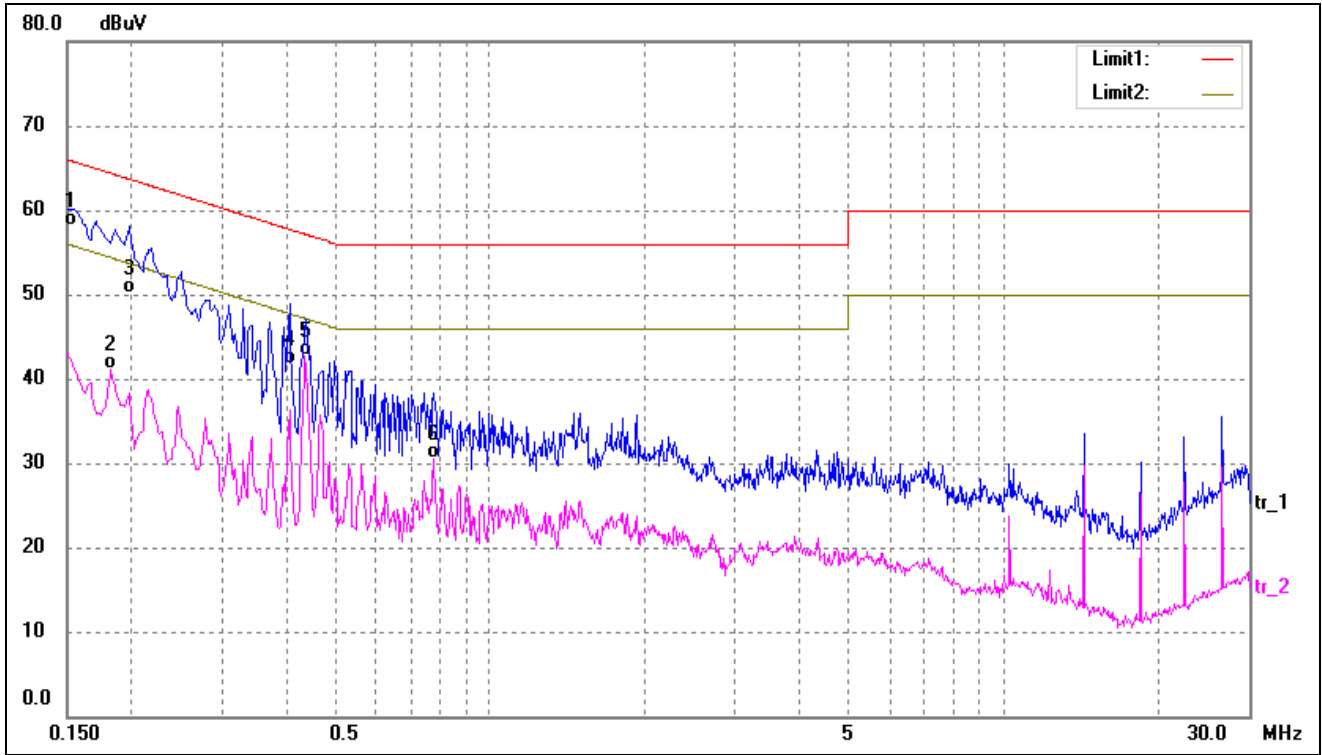
10.4 Summary of Test Results/Plots

| | | | | |
|-----------|---------------|-------------|-----------|---------|
| Test Mode | Communication | AC120V 60Hz | Polarity: | Neutral |
|-----------|---------------|-------------|-----------|---------|



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|----------------|--------------|---------------|--------------|-------------|----------|
| 1* | 0.1500 | 45.38 | 10.25 | 55.63 | 66.00 | -10.37 | QP |
| 2 | 0.1620 | 33.22 | 10.26 | 43.48 | 55.36 | -11.88 | AVG |
| 3 | 0.2100 | 38.69 | 10.27 | 48.96 | 63.21 | -14.25 | QP |
| 4 | 0.4340 | 25.30 | 10.22 | 35.52 | 47.18 | -11.66 | AVG |
| 5 | 0.4500 | 26.11 | 10.22 | 36.33 | 56.88 | -20.55 | QP |
| 6 | 14.3340 | 21.78 | 10.54 | 32.32 | 50.00 | -17.68 | AVG |

| | | | | |
|-----------|---------------|-------------|-----------|------|
| Test Mode | Communication | AC120V 60Hz | Polarity: | Line |
|-----------|---------------|-------------|-----------|------|



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|----------------|--------------|---------------|--------------|-------------|----------|
| 1 | 0.1540 | 47.85 | 10.25 | 58.10 | 65.78 | -7.68 | QP |
| 2 | 0.1820 | 30.75 | 10.26 | 41.01 | 54.39 | -13.38 | AVG |
| 3 | 0.1980 | 39.80 | 10.27 | 50.07 | 63.69 | -13.62 | QP |
| 4 | 0.4060 | 31.45 | 10.23 | 41.68 | 57.73 | -16.05 | QP |
| 5* | 0.4340 | 32.55 | 10.22 | 42.77 | 47.18 | -4.41 | AVG |
| 6 | 0.7780 | 20.29 | 10.18 | 30.47 | 46.00 | -15.53 | AVG |

APPENDIX SUMMARY

| | | | |
|-------------------|-----------------|---------------|-----------|
| Project No. | WTX21X08081529W | Test Engineer | Gala |
| Start date | 2021/8/24 | Finish date | 2021/8/25 |
| Temperature | 24°C | Humidity | 47% |
| RF specifications | U-NII-1,U-NII-3 | Antenna Gain | 6.35dBi |

| APPENDIX | Description of Test Item | Result |
|-----------------|---|---------------|
| A | Power Spectral Density | Compliant |
| B | Emission Bandwidth and Occupied Bandwidth | Compliant |
| C | Maximum Conducted Output Power | Compliant |
| D | Frequency Stability | Compliant |

APPENDIX A

| Power Spectral Density | | | | | |
|-------------------------------|--------------|------------------|------------------|------------------|--------------------|
| U-NII-1:5150-5250MHz | | | | | |
| Operating mode | Test Channel | ANT 0 dBm/MHz | ANT 1 dBm/MHz | Total dBm/MHz | Limit (dBm/MHz) |
| 802.11a | 5180 | 7.515 | 5.792 | / | 10.65 |
| | 5200 | 7.280 | 7.316 | / | 10.65 |
| | 5240 | 7.028 | 5.975 | / | 10.65 |
| 802.11n-HT20 | 5180 | 6.089 | 6.653 | 9.39 | 10.65 |
| | 5200 | 6.334 | 5.784 | 9.08 | 10.65 |
| | 5240 | 6.903 | 3.556 | 8.55 | 10.65 |
| 802.11n-HT40 | 5190 | 4.473 | 3.259 | 6.92 | 10.65 |
| | 5230 | 4.334 | 2.832 | 6.66 | 10.65 |
| 802.11ac-VH80 | 5210 | -2.633 | -1.697 | 0.87 | 10.65 |
| 802.11ax-HE20 | 5180 | 5.915 | 6.251 | 9.10 | 10.65 |
| | 5200 | 5.955 | 5.600 | 8.79 | 10.65 |
| | 5240 | 6.183 | 4.781 | 8.55 | 10.65 |
| 802.11ax-HE40 | 5190 | 3.860 | 3.393 | 6.64 | 10.65 |
| | 5230 | 3.866 | 2.298 | 6.16 | 10.65 |
| 802.11ax-HE80 | 5210 | -1.835 | -2.723 | 0.75 | 10.65 |

| Power Spectral Density | | | | | | | |
|-------------------------------|--------------|---------------------|---------------------|--------|----------------------|----------------------|---------------------|
| U-NII-3: 5725-5850MHz | | | | | | | |
| Operating mode | Test Channel | ANT 0 dBm/300kHz | ANT 1 dBm/300kHz | Factor | ANT 0 dBm/500kHz* | ANT 1 dBm/500kHz* | Limit dBm/500kHz |
| 802.11a | 5745 | 1.456 | 3.230 | 2.22 | 3.676 | 5.450 | 29.65 |
| | 5785 | 1.162 | 2.992 | 2.22 | 3.382 | 5.212 | 29.65 |
| | 5825 | 0.62 | 2.401 | 2.22 | 2.840 | 4.621 | 29.65 |

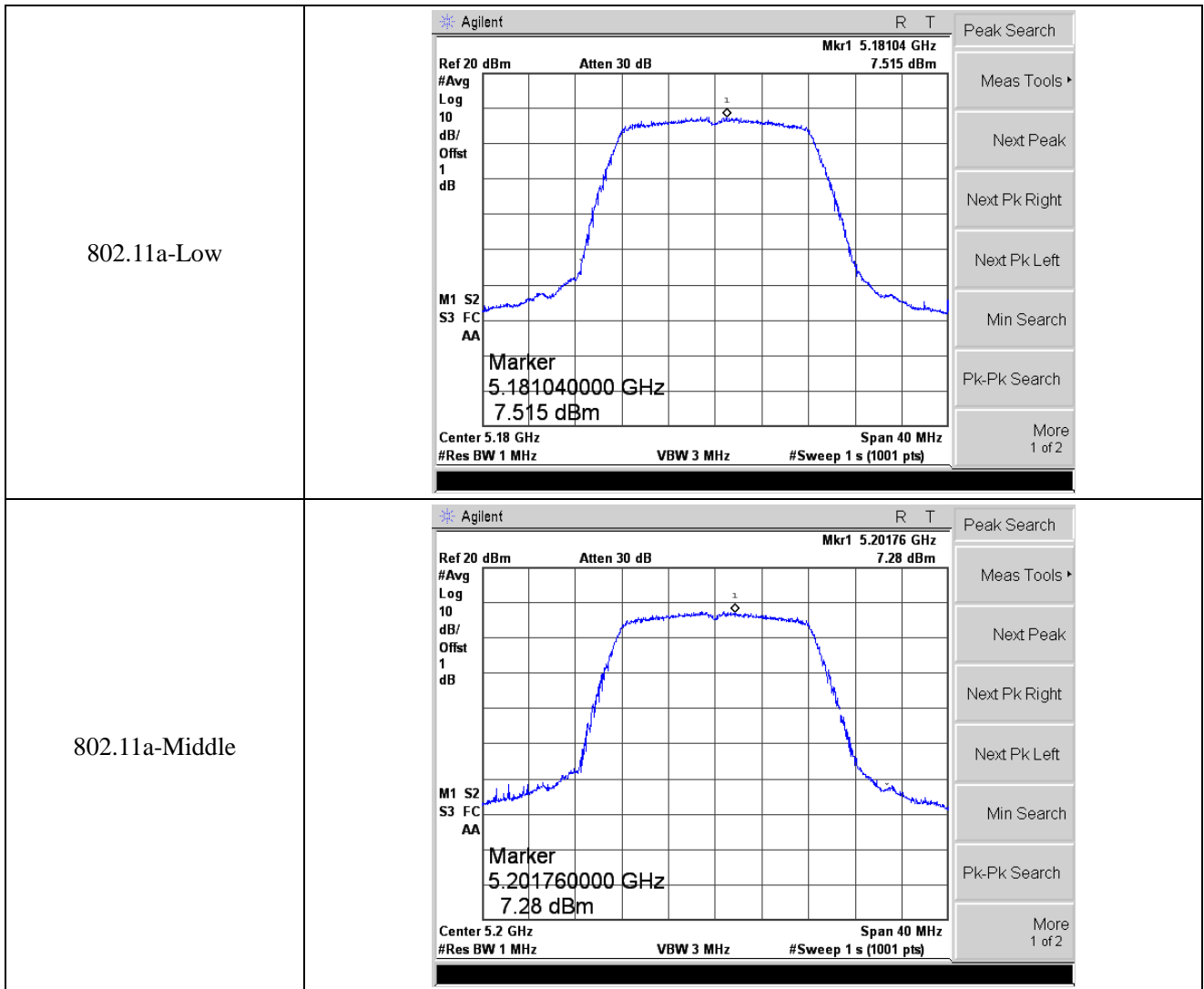
*Note: Factor= $10\log(500\text{kHz}/300\text{kHz})=2.22$

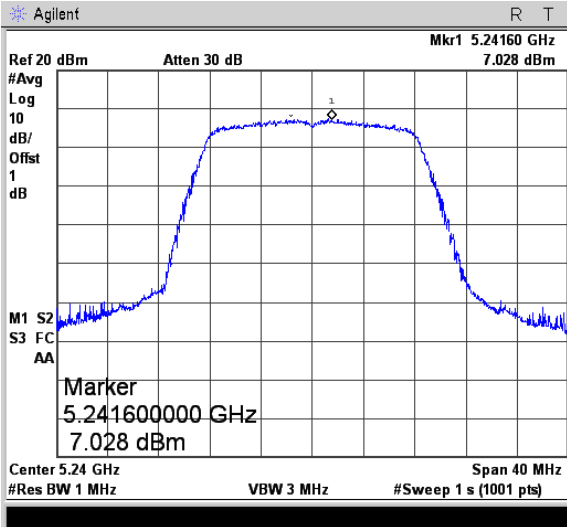
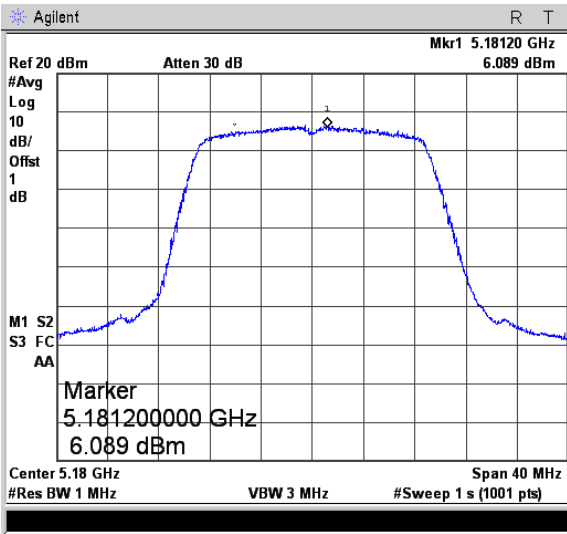
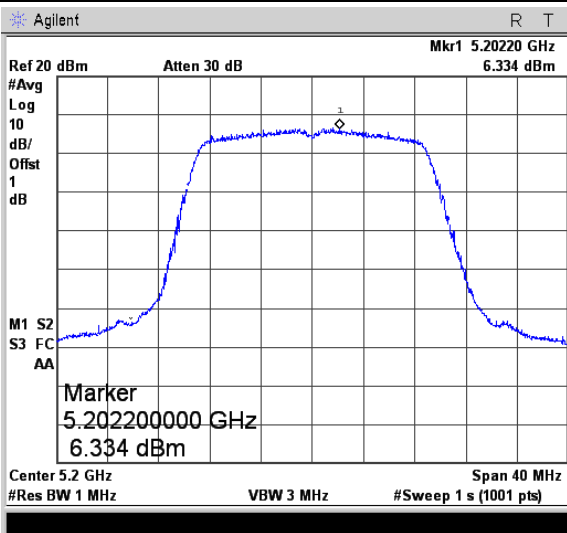
| Power Spectral Density | | | | | | |
|-------------------------------|--------------|---------------------|---------------------|--------|----------------------|---------------------|
| U-NII-3: 5725-5850MHz | | | | | | |
| Operating mode | Test Channel | ANT 0 dBm/300kHz | ANT 1 dBm/300kHz | Factor | Total dBm/500kHz* | Limit dBm/500kHz |
| 802.11n-HT20 | 5745 | 0.715 | 2.607 | 2.22 | 6.99 | 29.65 |
| | 5785 | 1.188 | 2.327 | 2.22 | 7.03 | 29.65 |
| | 5825 | -0.318 | 1.722 | 2.22 | 6.05 | 29.65 |
| 802.11n HT40 | 5755 | -2.224 | 1.380 | 2.22 | 5.17 | 29.65 |

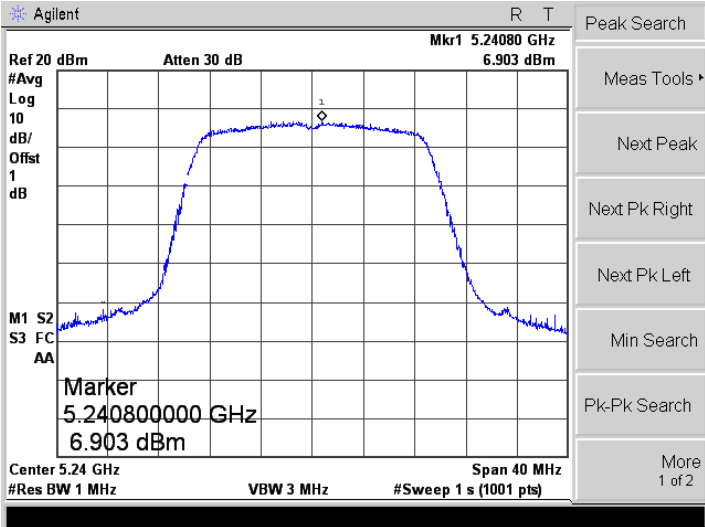
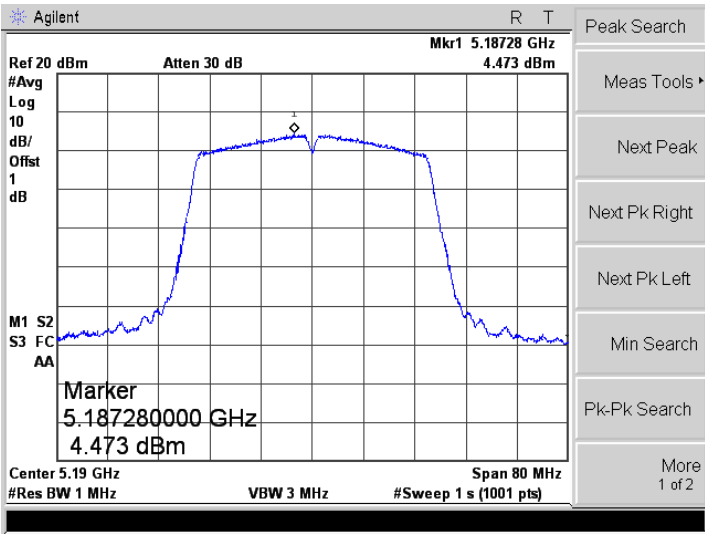
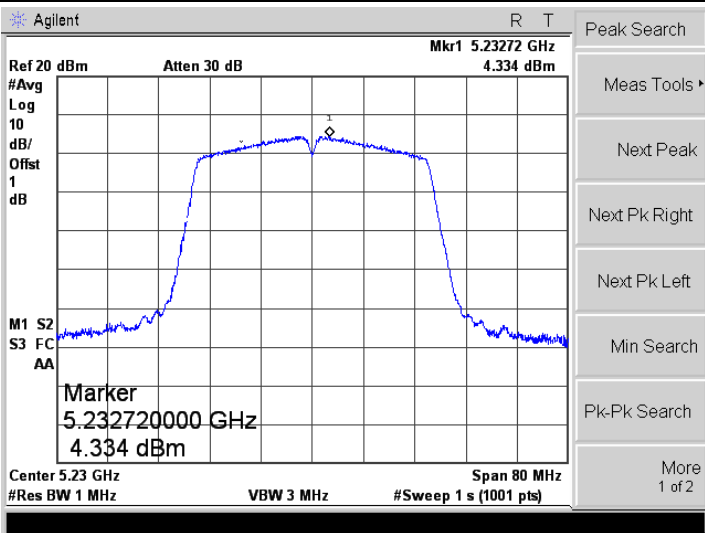
| | | | | | | |
|--|------|--------|--------|------|-------|-------|
| | 5795 | -2.639 | -0.668 | 2.22 | 3.67 | 29.65 |
| 802.11ac VH80 | 5775 | -7.446 | -2.166 | 2.22 | 1.18 | 29.65 |
| 802.11ax-HE20 | 5745 | 0.210 | 1.994 | 2.22 | 6.42 | 29.65 |
| | 5785 | 0.284 | 1.875 | 2.22 | 6.38 | 29.65 |
| | 5825 | -0.817 | 1.487 | 2.22 | 5.72 | 29.65 |
| 802.11ax HE40 | 5755 | -2.443 | 1.474 | 2.22 | 5.17 | 29.65 |
| | 5795 | -3.194 | -1.317 | 2.22 | 3.08 | 29.65 |
| 802.11ax HE80 | 5775 | -7.274 | -6.572 | 2.22 | -1.68 | 29.65 |
| *Note: Factor = $10\log(500\text{kHz}/300\text{kHz})=2.22$ | | | | | | |

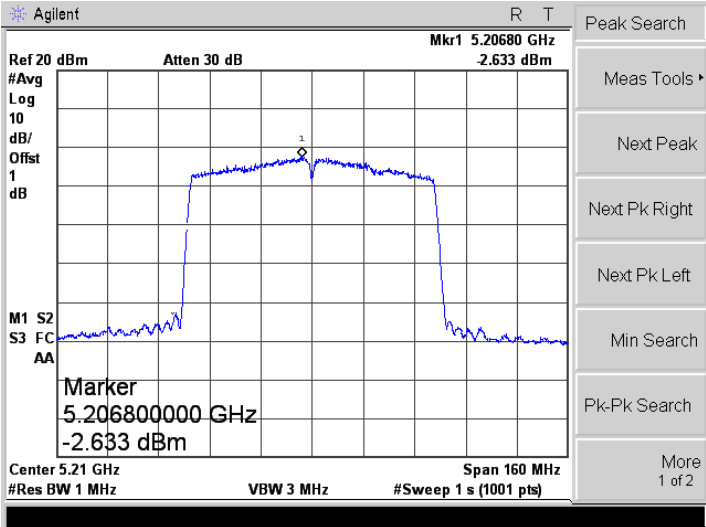
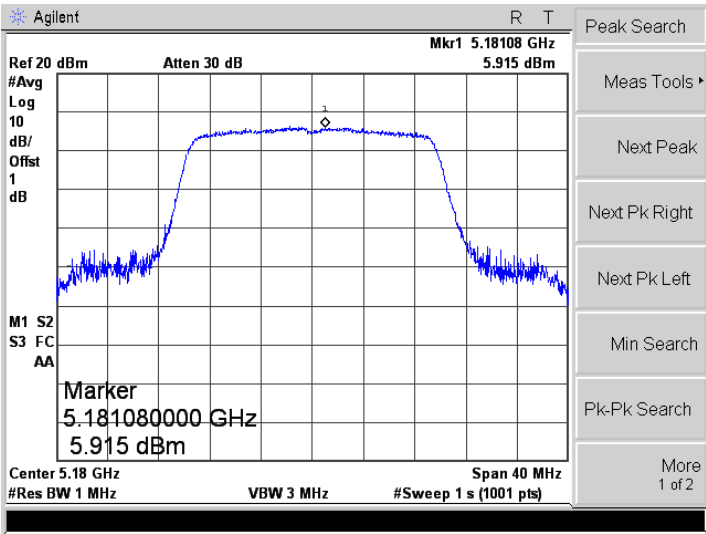
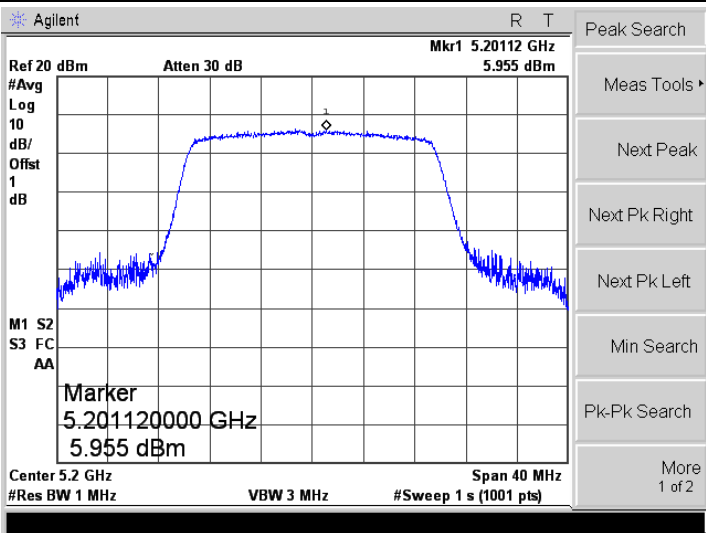
ANT 0

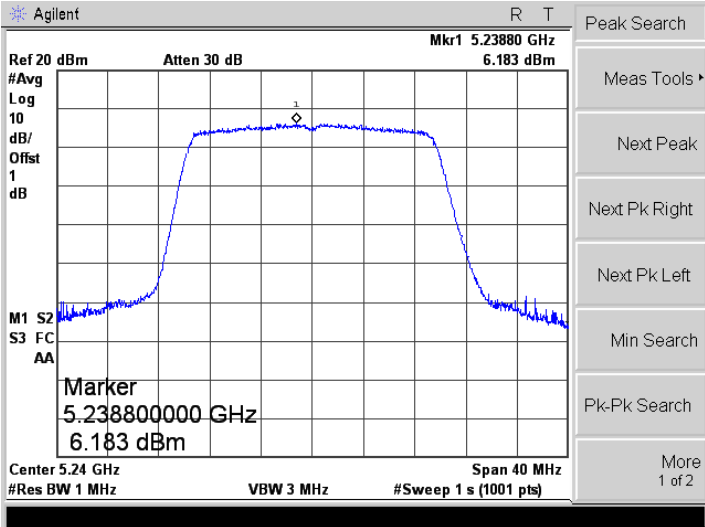
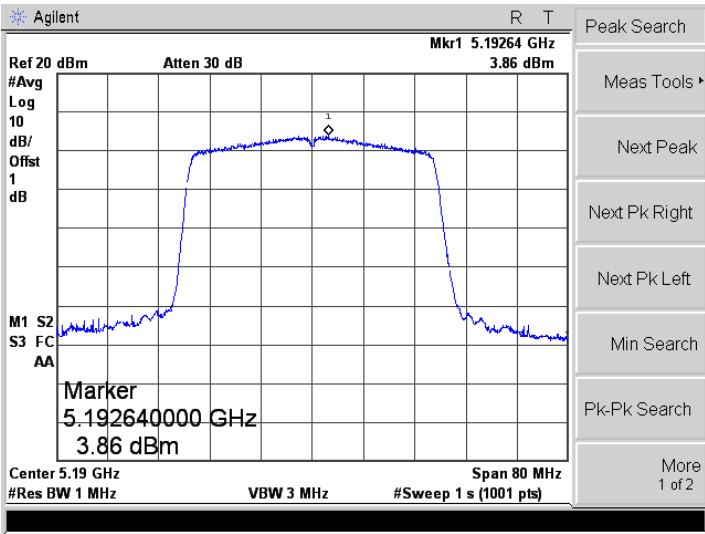
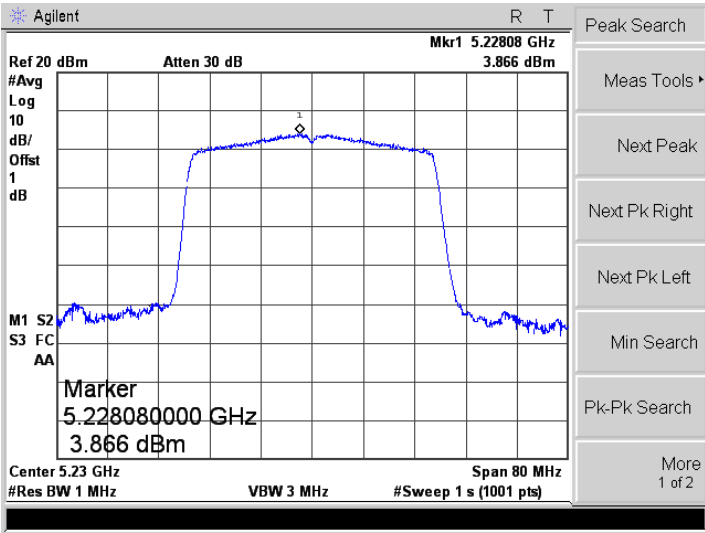
5150-5250MHz



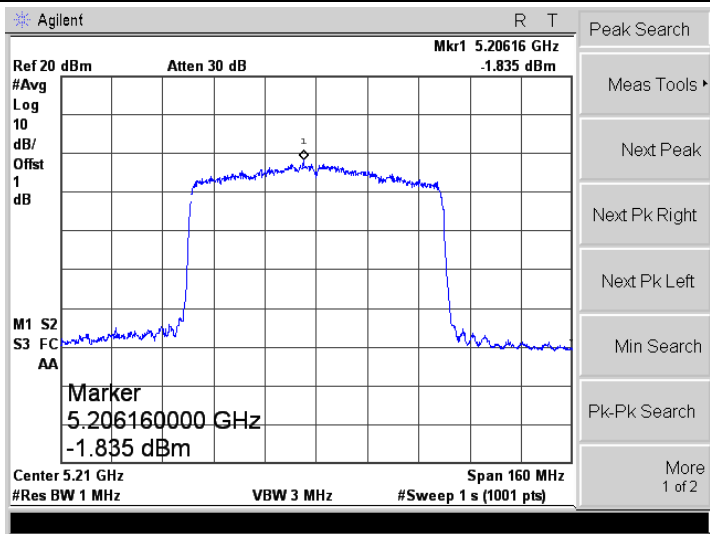
| | |
|----------------------------|---|
| <p>802.11a-High</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.24160 GHz #Avg Log 10 dB/Offst 1 dB M1 S2 S3 FC AA Marker 5.24160000 GHz 7.028 dBm Center 5.24 GHz Span 40 MHz #Res BW 1 MHz VBW 3 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11n-HT20-Low</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.18120 GHz #Avg Log 10 dB/Offst 1 dB M1 S2 S3 FC AA Marker 5.18120000 GHz 6.089 dBm Center 5.18 GHz Span 40 MHz #Res BW 1 MHz VBW 3 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11n-HT20-Middle</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.20220 GHz #Avg Log 10 dB/Offst 1 dB M1 S2 S3 FC AA Marker 5.20220000 GHz 6.334 dBm Center 5.2 GHz Span 40 MHz #Res BW 1 MHz VBW 3 MHz #Sweep 1 s (1001 pts)</p> |

| | |
|--------------------------|--|
| <p>802.11n-HT20-High</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.24080 GHz 6.903 dBm #Avg 10 Log dB/Offst 1 dB M1 S2 S3 FC AA Marker 5.24080000 GHz 6.903 dBm Center 5.24 GHz Span 40 MHz #Res BW 1 MHz VBW 3 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11n-HT40-Low</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.18728 GHz 4.473 dBm #Avg 10 Log dB/Offst 1 dB M1 S2 S3 FC AA Marker 5.18728000 GHz 4.473 dBm Center 5.19 GHz Span 80 MHz #Res BW 1 MHz VBW 3 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11n-HT40-High</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.23272 GHz 4.334 dBm #Avg 10 Log dB/Offst 1 dB M1 S2 S3 FC AA Marker 5.23272000 GHz 4.334 dBm Center 5.23 GHz Span 80 MHz #Res BW 1 MHz VBW 3 MHz #Sweep 1 s (1001 pts)</p> |

| | |
|-----------------------------|--|
| <p>802.11ac-VH80</p> |  |
| <p>802.11ax-HE20-Low</p> |  |
| <p>802.11ax-HE20-Middle</p> |  |

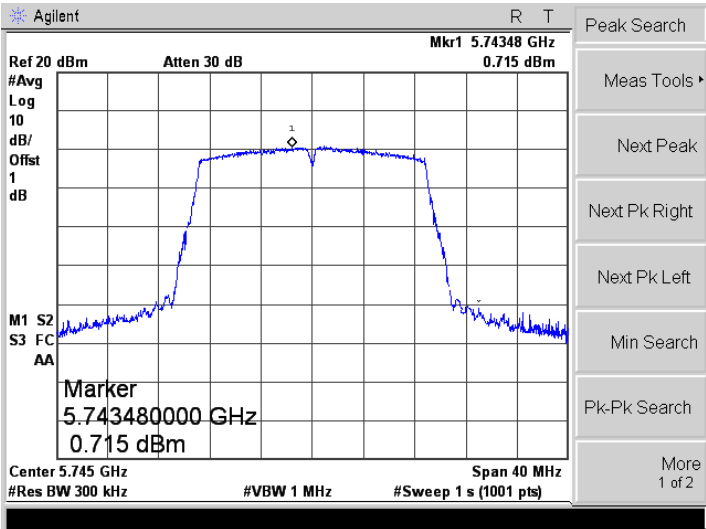
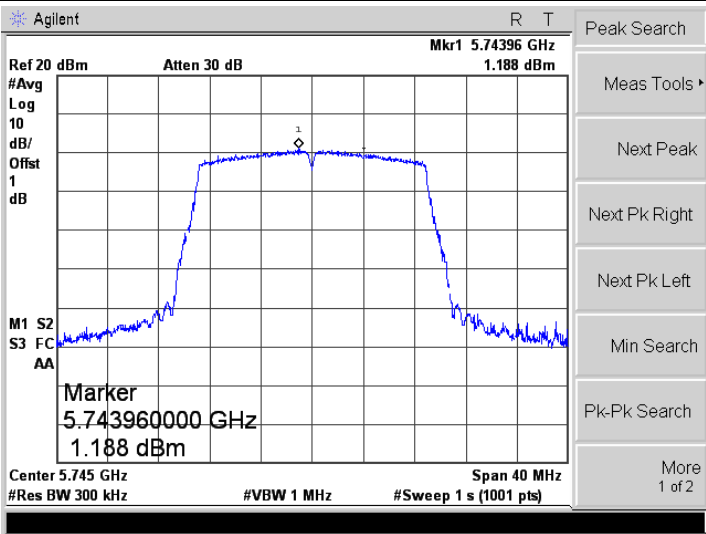
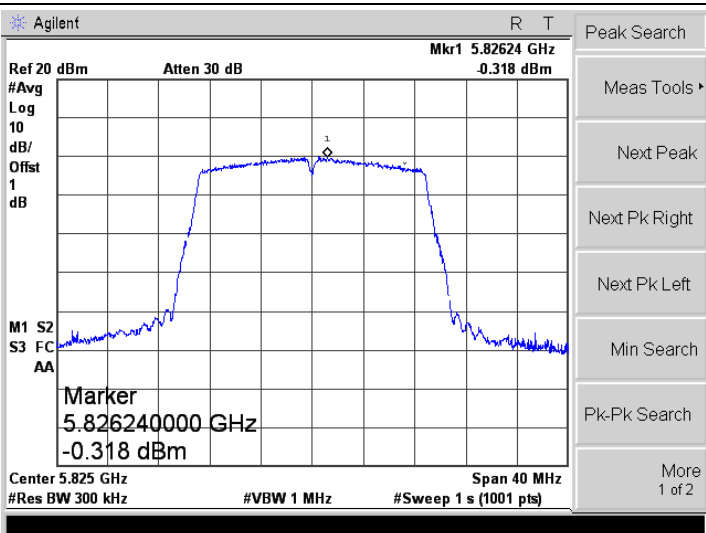
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| <p>802.11ax-HE20-High</p> |  |
| <p>802.11ax-HE40-Low</p> |  |
| <p>802.11ax-HE40-High</p> |  |

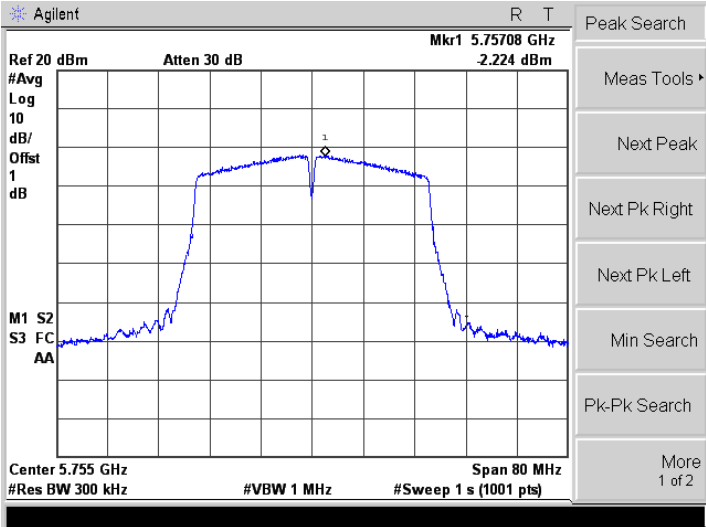
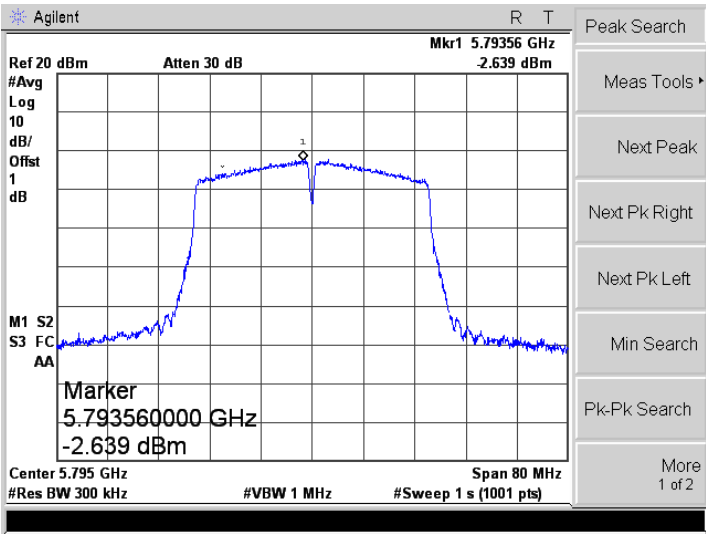
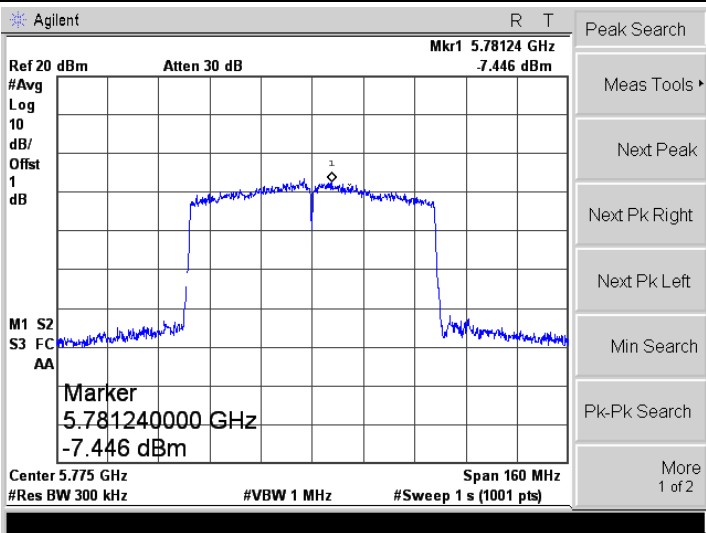
802.11ax-HE80

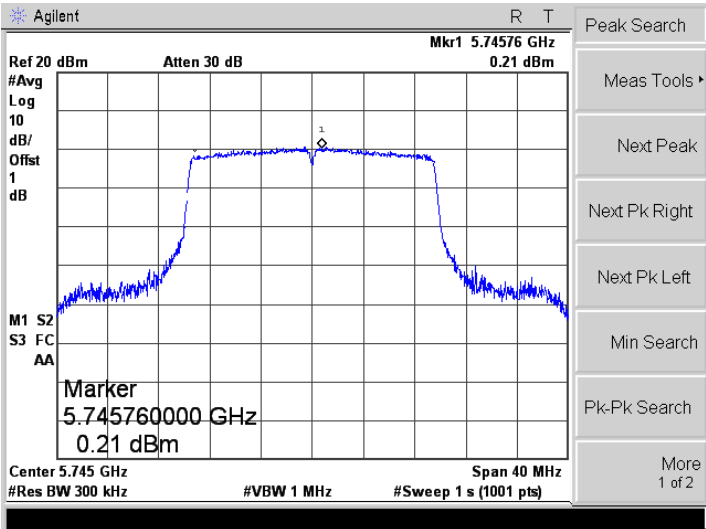
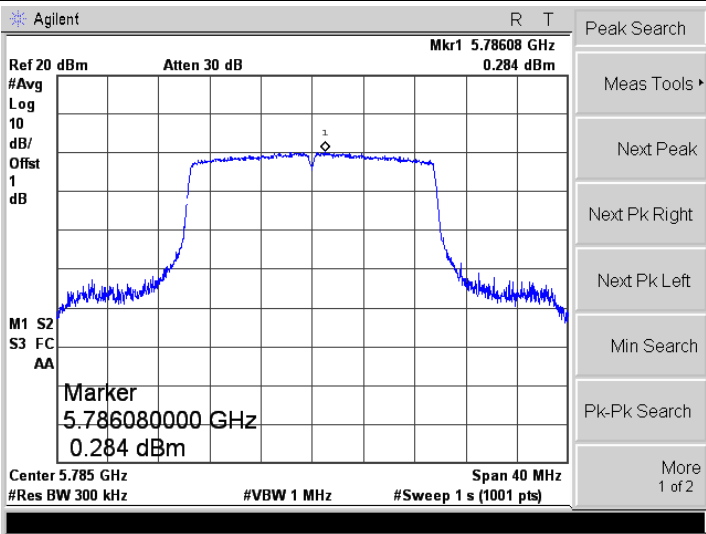
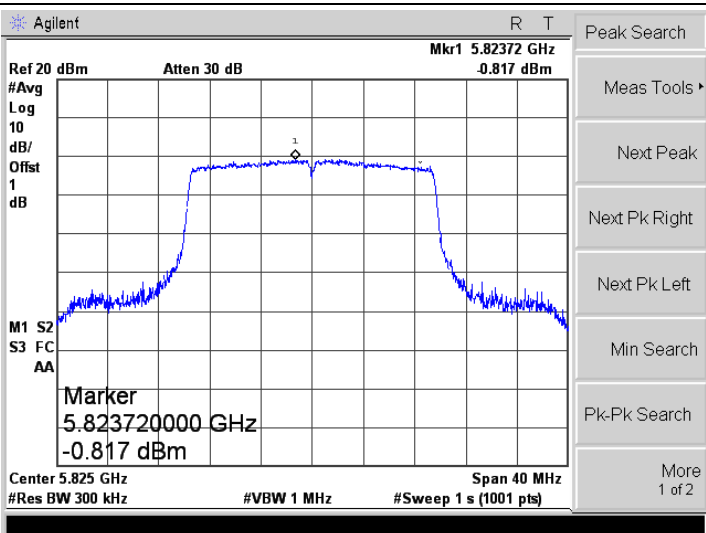


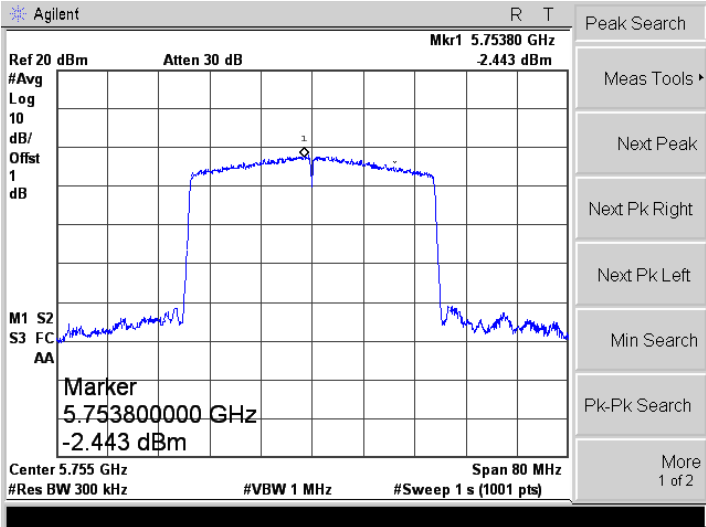
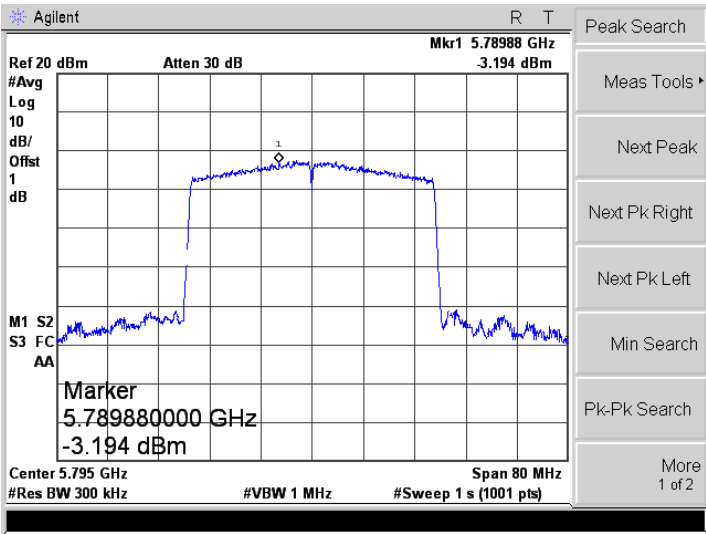
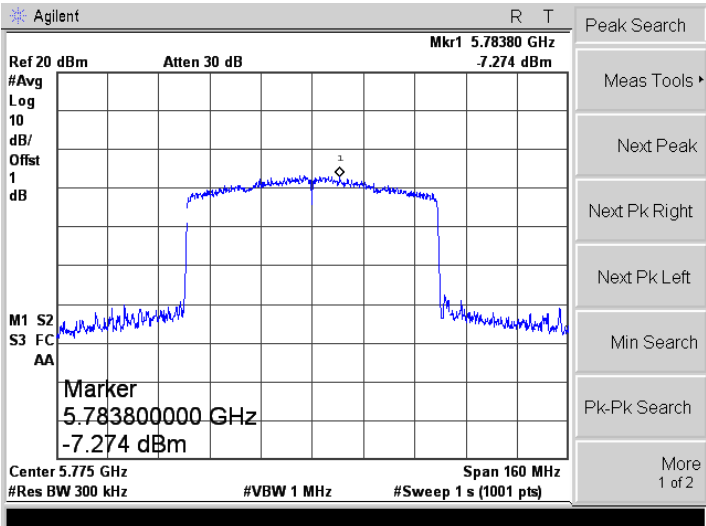
5725-5850MHz

| | |
|-----------------------|--|
| <p>802.11a-Low</p> | |
| <p>802.11a-Middle</p> | |
| <p>802.11a-High</p> | |

| | |
|----------------------------|--|
| <p>802.11n-HT20-Low</p> |  |
| <p>802.11n-HT20-Middle</p> |  |
| <p>802.11n-HT20-High</p> |  |

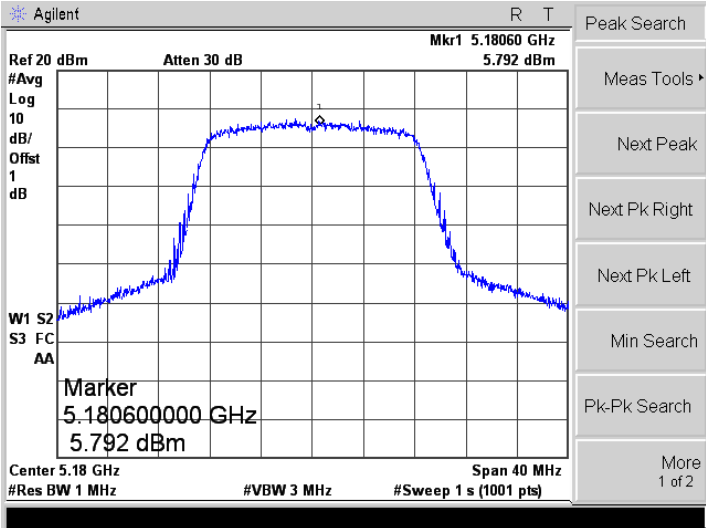
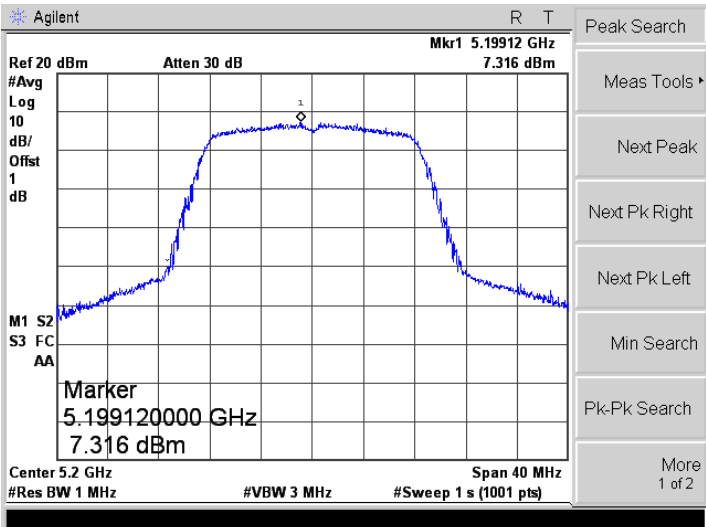
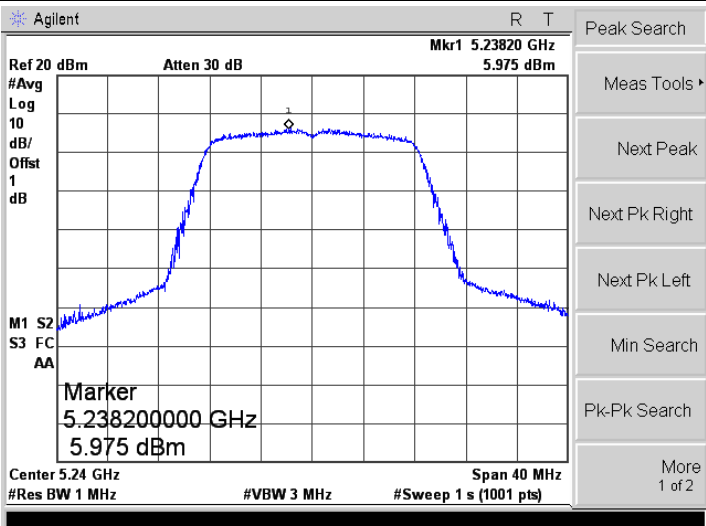
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| <p>802.11n-HT40-Low</p> |  |
| <p>802.11n-HT40-High</p> |  |
| <p>802.11ac-VH80</p> |  |

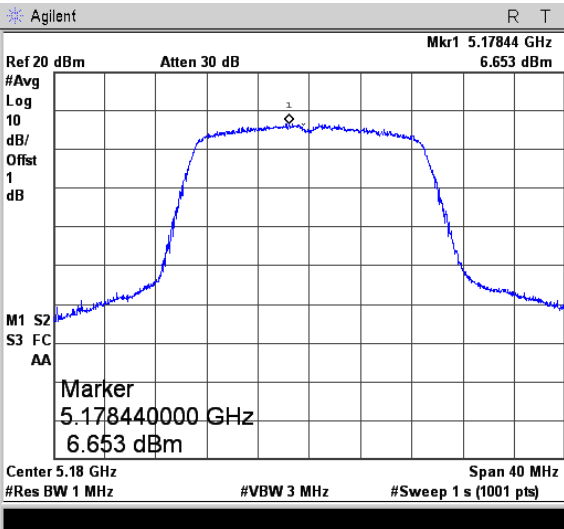
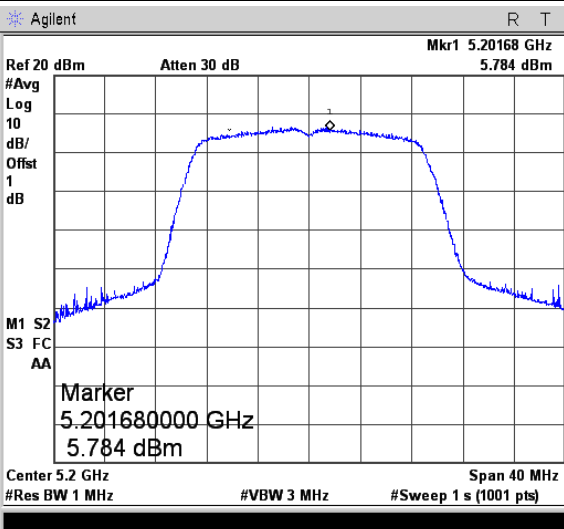
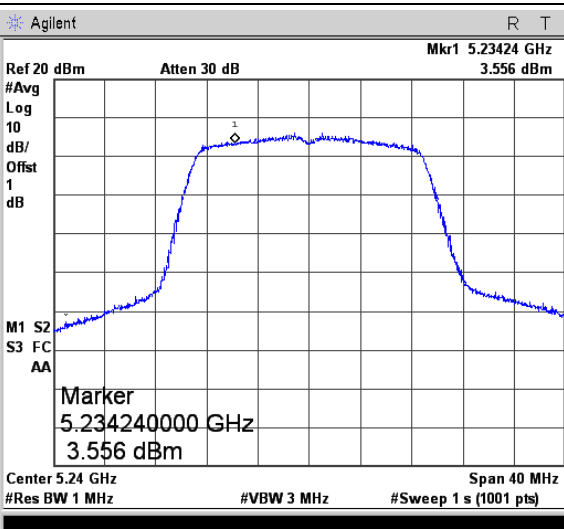
| | |
|-----------------------------|--|
| <p>802.11ax-HE20-Low</p> |  |
| <p>802.11ax-HE20-Middle</p> |  |
| <p>802.11ax-HE20-High</p> |  |

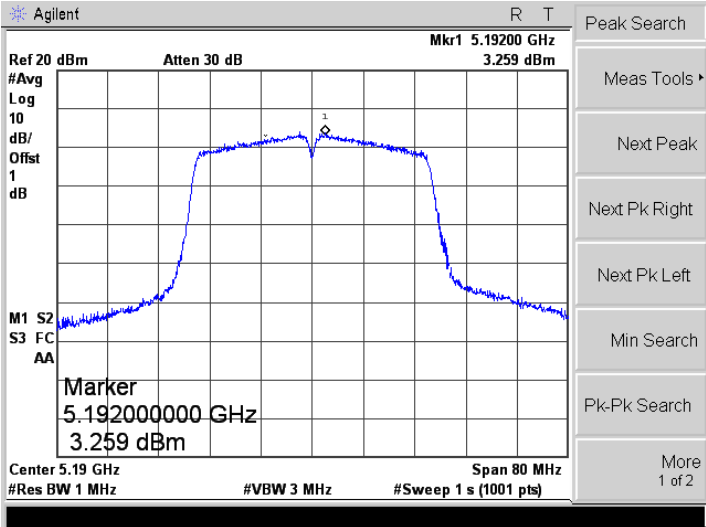
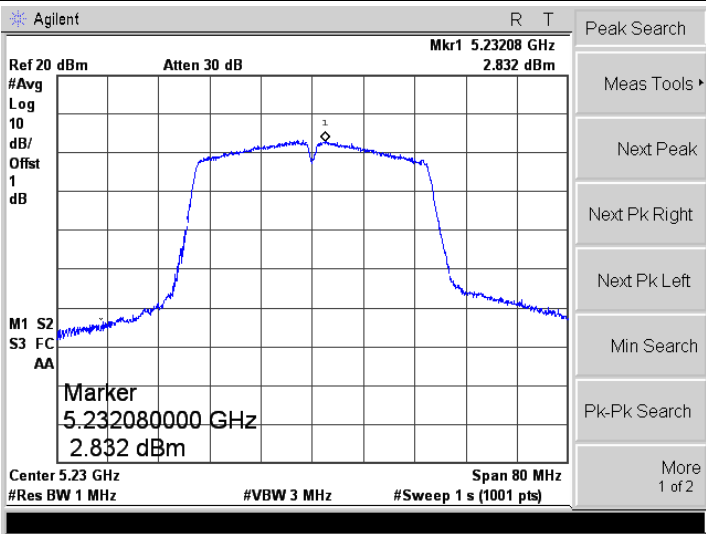
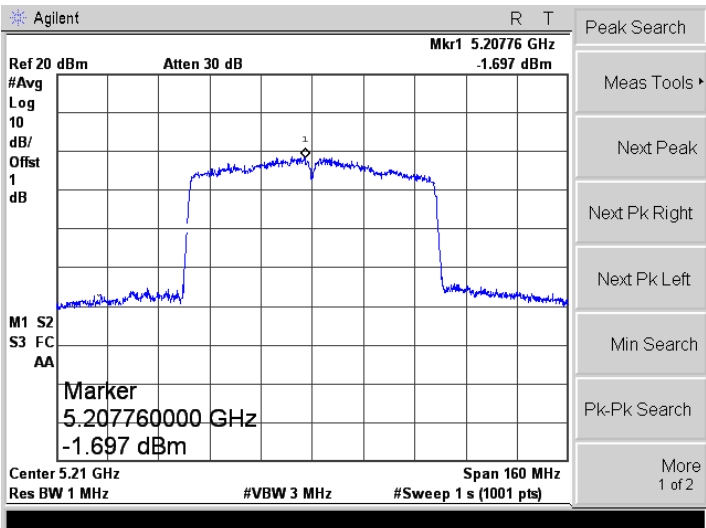
| | |
|---------------------------|--|
| <p>802.11ax-HE40-Low</p> |  |
| <p>802.11ax-HE40-High</p> |  |
| <p>802.11ax-HE80</p> |  |

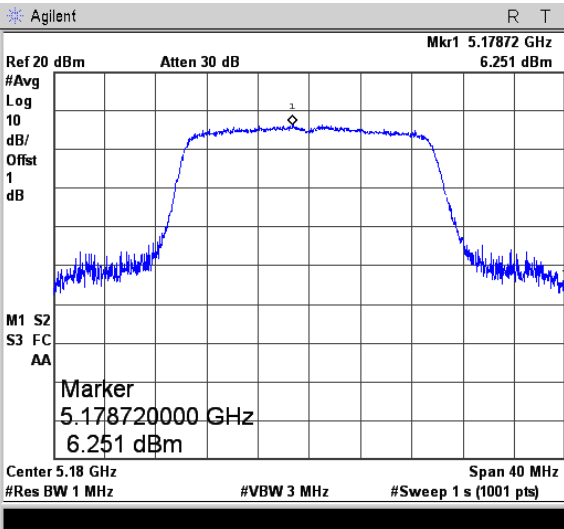
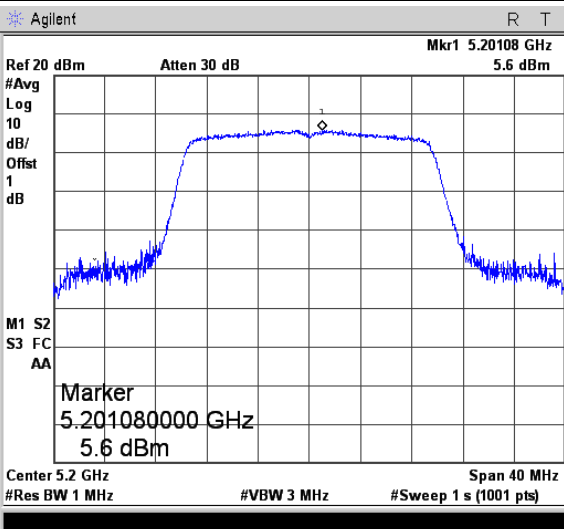
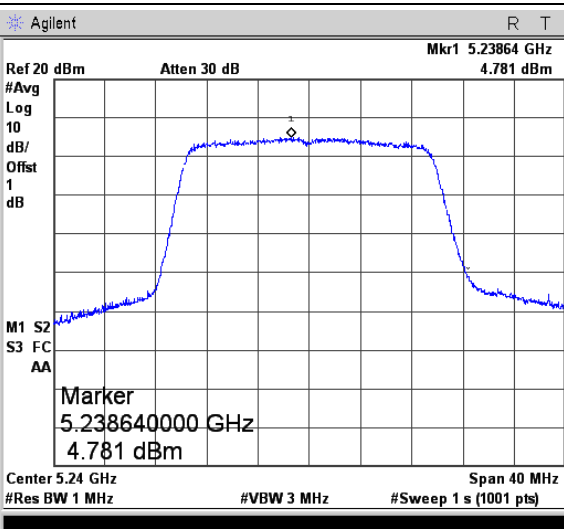
ANT 1

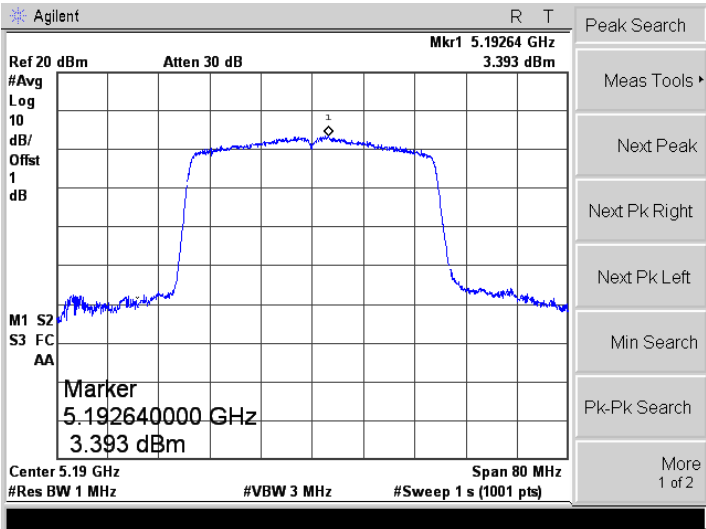
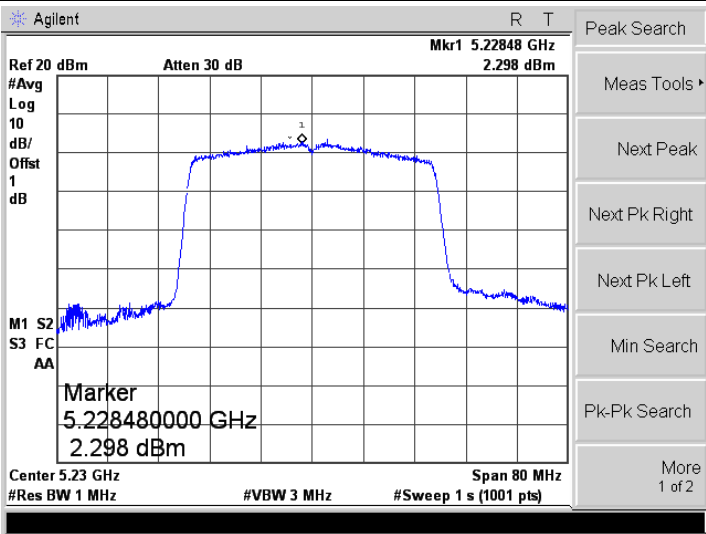
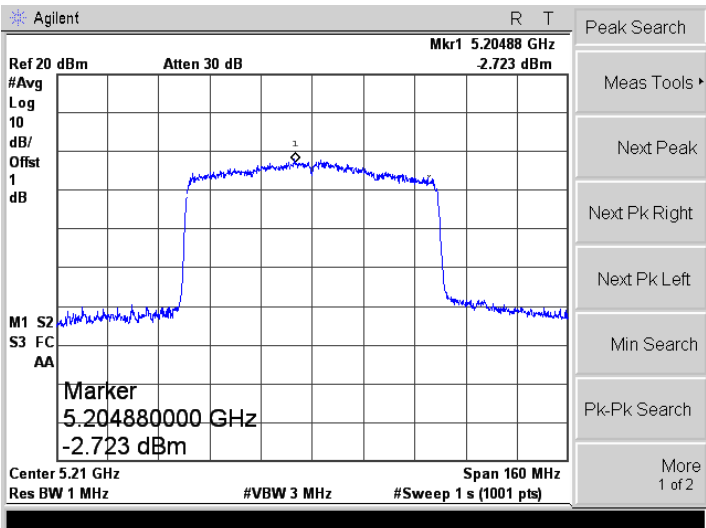
5150-5250MHz

| | |
|-----------------------|--|
| <p>802.11a-Low</p> |  |
| <p>802.11a-Middle</p> |  |
| <p>802.11a-High</p> |  |

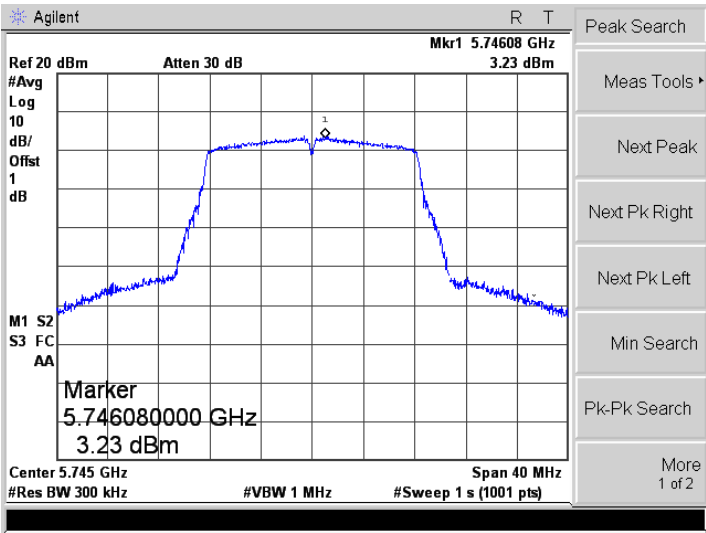
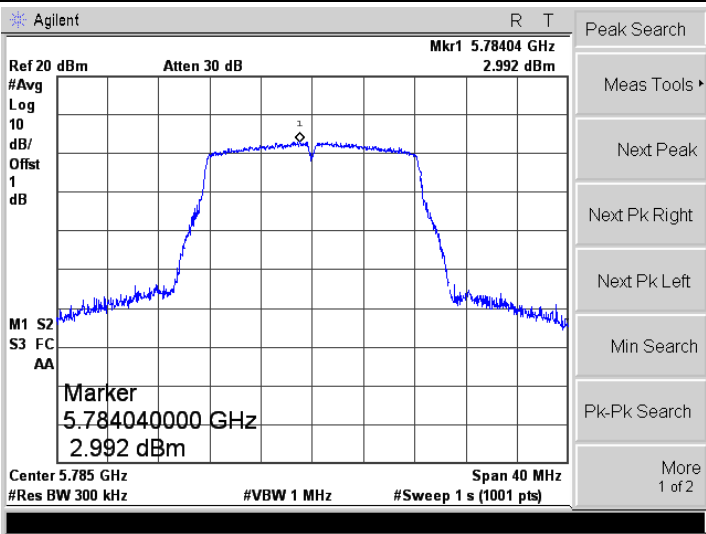
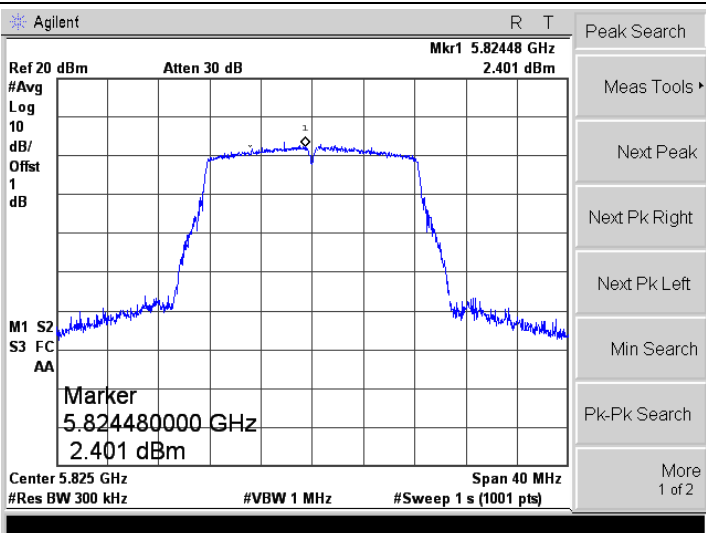
| | |
|----------------------------|--|
| <p>802.11n-HT20-Low</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.17844 GHz 6.653 dBm #Avg 10 Log dB/Offst 1 dB M1 S2 S3 FC AA Marker 5.178440000 GHz 6.653 dBm Center 5.18 GHz Span 40 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11n-HT20-Middle</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.20168 GHz 5.784 dBm #Avg 10 Log dB/Offst 1 dB M1 S2 S3 FC AA Marker 5.201680000 GHz 5.784 dBm Center 5.2 GHz Span 40 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11n-HT20-High</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.23424 GHz 3.556 dBm #Avg 10 Log dB/Offst 1 dB M1 S2 S3 FC AA Marker 5.234240000 GHz 3.556 dBm Center 5.24 GHz Span 40 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (1001 pts)</p> |

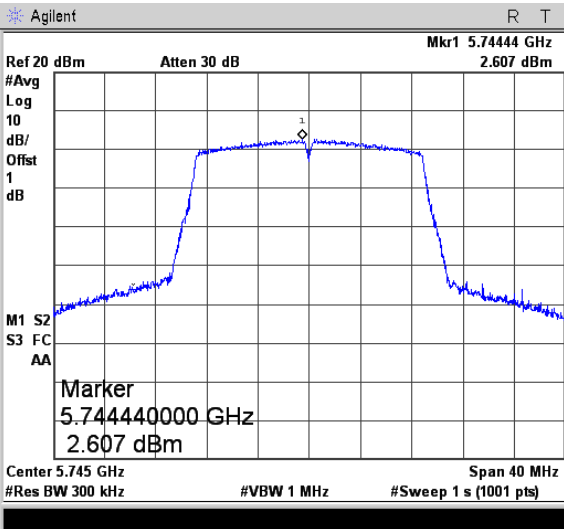
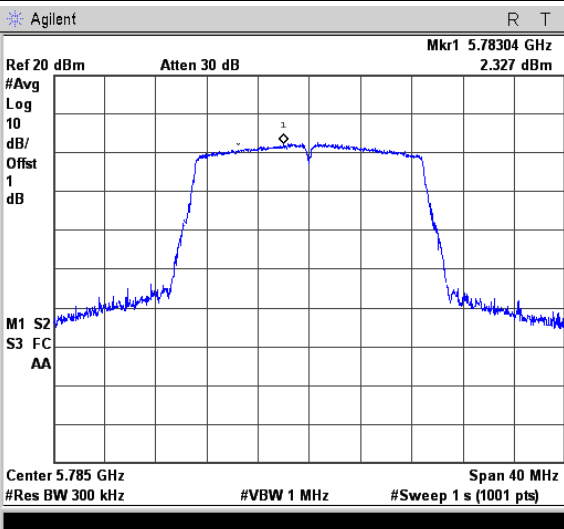
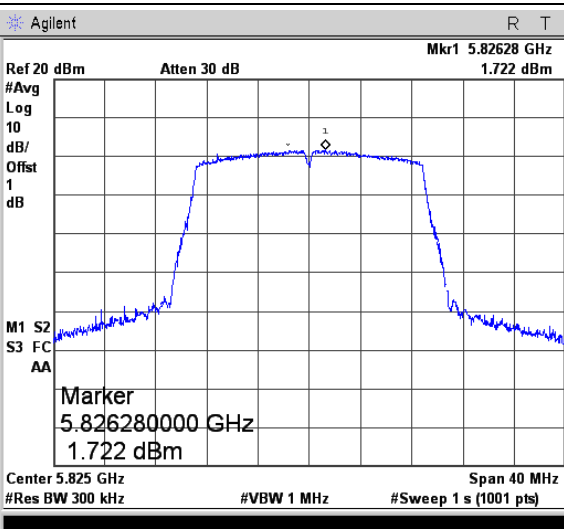
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| <p>802.11n-HT40-Low</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.19200 GHz 3.259 dBm #Avg 10 Log dB/ Offst 1 dB M1 S2 S3 FC AA Marker 5.19200000 GHz 3.259 dBm Center 5.19 GHz Span 80 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11n-HT40-High</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.23208 GHz 2.832 dBm #Avg 10 Log dB/ Offst 1 dB M1 S2 S3 FC AA Marker 5.23208000 GHz 2.832 dBm Center 5.23 GHz Span 80 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11ac-VH80</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.20776 GHz -1.697 dBm #Avg 10 Log dB/ Offst 1 dB M1 S2 S3 FC AA Marker 5.20776000 GHz -1.697 dBm Center 5.21 GHz Span 160 MHz Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (1001 pts)</p> |

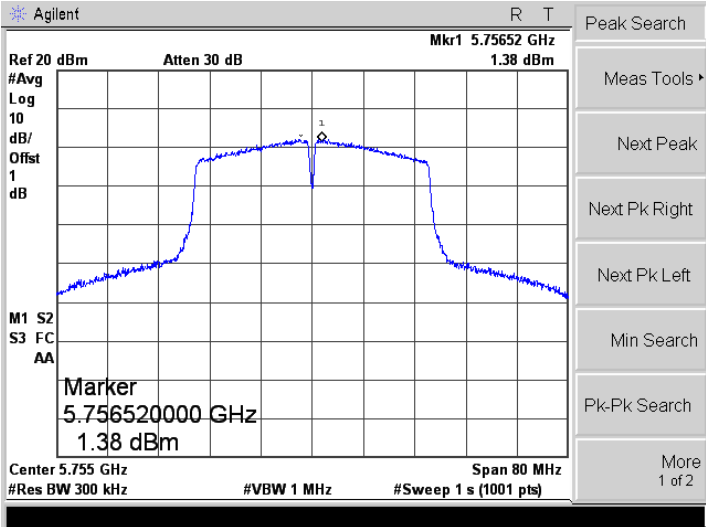
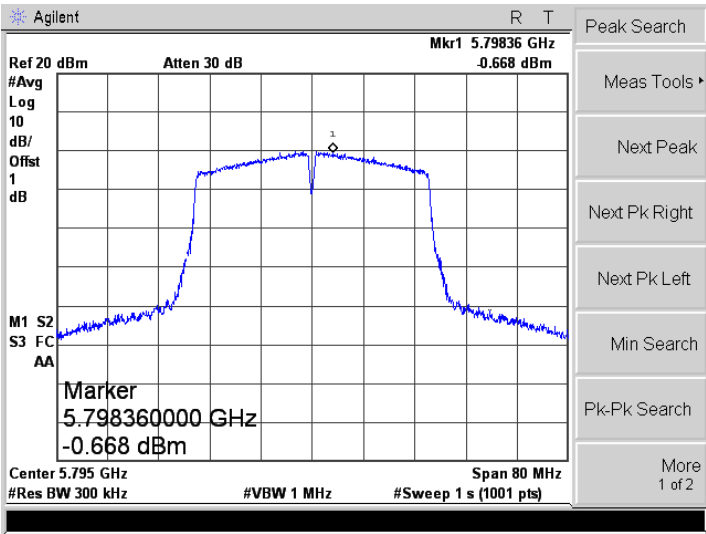
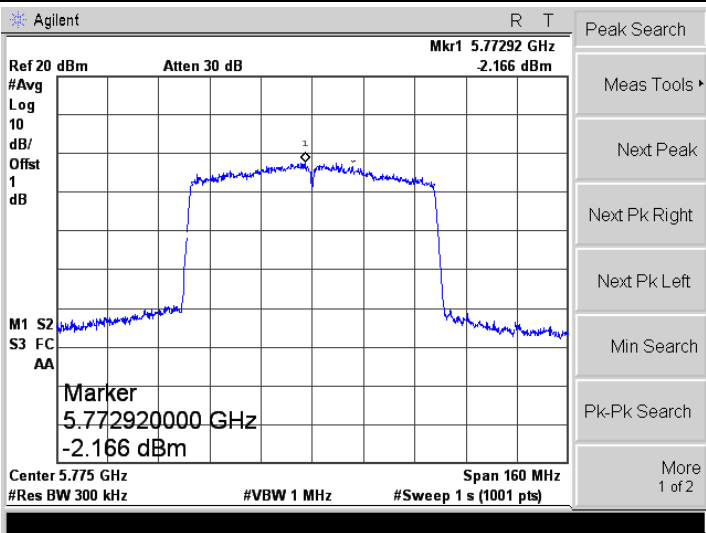
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|-----------------------------|--|
| <p>802.11ax-HE20-Low</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.17872 GHz #Avg 10 Log dB/Offst 1 dB M1 S2 S3 FC AA Marker 5.178720000 GHz 6.251 dBm Center 5.18 GHz Span 40 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11ax-HE20-Middle</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.20108 GHz #Avg 10 Log dB/Offst 1 dB M1 S2 S3 FC AA Marker 5.201080000 GHz 5.6 dBm Center 5.2 GHz Span 40 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11ax-HE20-High</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.23864 GHz #Avg 10 Log dB/Offst 1 dB M1 S2 S3 FC AA Marker 5.238640000 GHz 4.781 dBm Center 5.24 GHz Span 40 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 1 s (1001 pts)</p> |

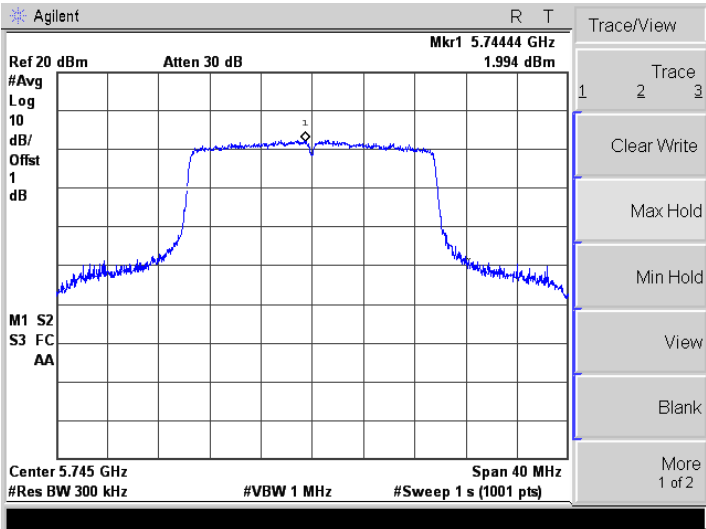
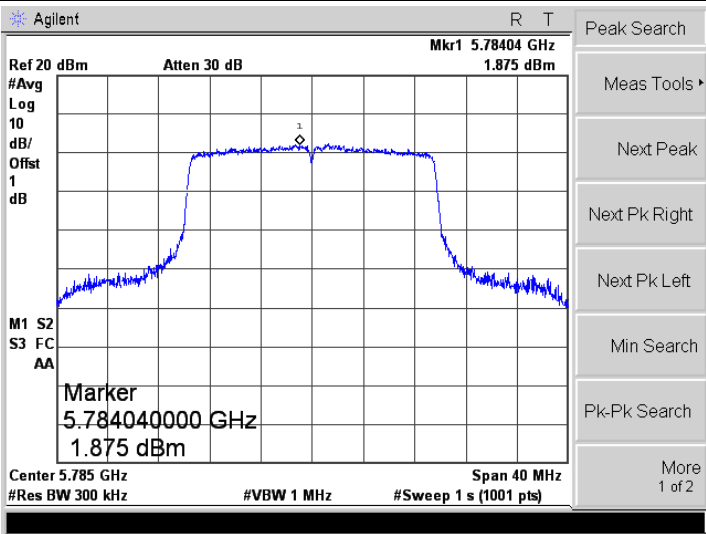
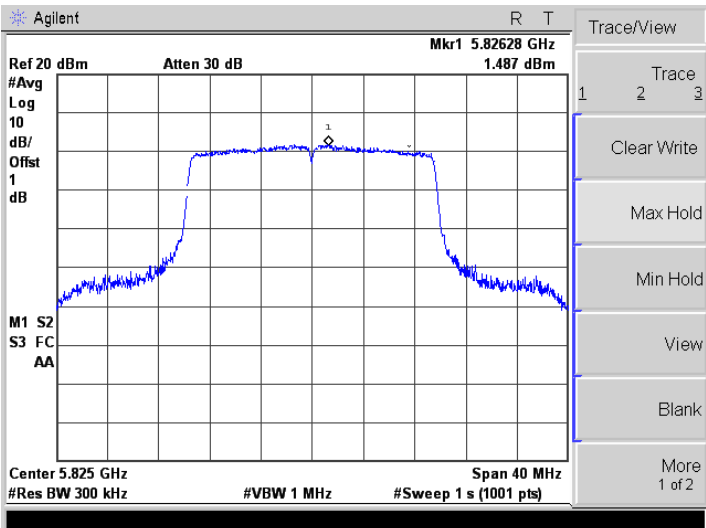
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|---------------------------|--|
| <p>802.11ax-HE40-Low</p> |  |
| <p>802.11ax-HE40-High</p> |  |
| <p>802.11ax-HE80</p> |  |

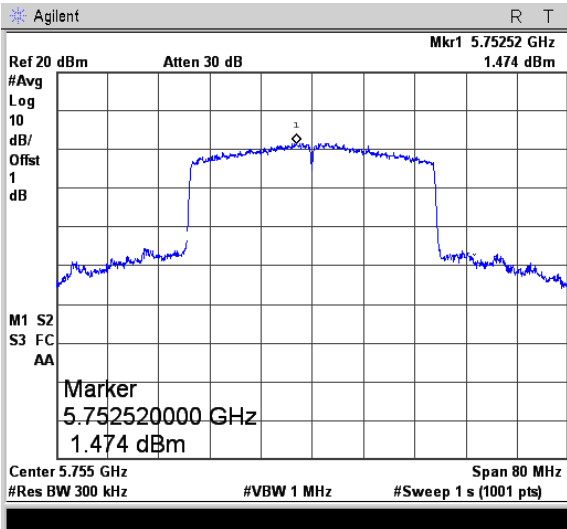
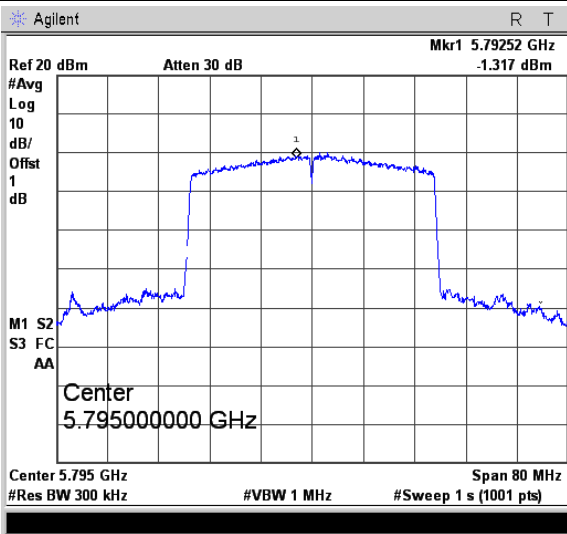
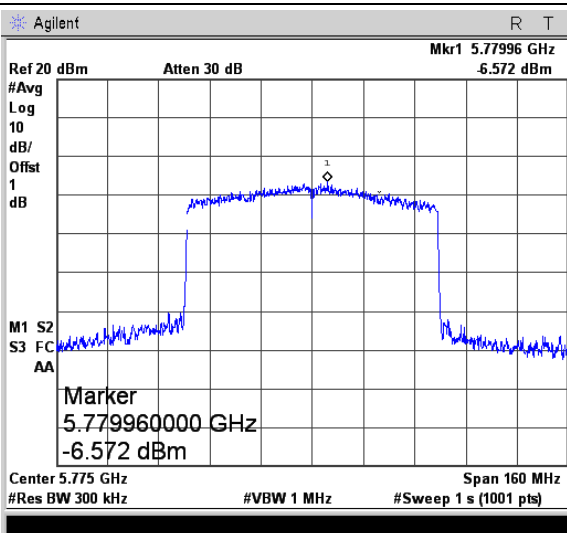
5725-5850MHz

| | |
|-----------------------|--|
| <p>802.11a-Low</p> |  |
| <p>802.11a-Middle</p> |  |
| <p>802.11a-High</p> |  |

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|----------------------------|--|
| <p>802.11n-HT20-Low</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.7444 GHz 2.607 dBm #Avg 10 Log dB/ Offst 1 dB M1 S2 S3 FC AA Marker 5.74440000 GHz 2.607 dBm Center 5.745 GHz Span 40 MHz #Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11n-HT20-Middle</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.78304 GHz 2.327 dBm #Avg 10 Log dB/ Offst 1 dB M1 S2 S3 FC AA Center 5.785 GHz Span 40 MHz #Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11n-HT20-High</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.82628 GHz 1.722 dBm #Avg 10 Log dB/ Offst 1 dB M1 S2 S3 FC AA Marker 5.826280000 GHz 1.722 dBm Center 5.825 GHz Span 40 MHz #Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (1001 pts)</p> |

| | |
|--------------------------|---|
| <p>802.11n-HT40-Low</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.75652 GHz 1.38 dBm #Avg 10 Log dB/ Offst 1 dB M1 S2 S3 FC AA Marker 5.756520000 GHz 1.38 dBm Center 5.755 GHz Span 80 MHz #Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11n-HT40-High</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.79836 GHz -0.668 dBm #Avg 10 Log dB/ Offst 1 dB M1 S2 S3 FC AA Marker 5.798360000 GHz -0.668 dBm Center 5.795 GHz Span 80 MHz #Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11ac-VH80</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.77292 GHz -2.166 dBm #Avg 10 Log dB/ Offst 1 dB M1 S2 S3 FC AA Marker 5.772920000 GHz -2.166 dBm Center 5.775 GHz Span 160 MHz #Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (1001 pts)</p> |

| | |
|-----------------------------|--|
| <p>802.11ax-HE20-Low</p> |  |
| <p>802.11ax-HE20-Middle</p> |  |
| <p>802.11ax-HE20-High</p> |  |

| | |
|---------------------------|---|
| <p>802.11ax-HE40-Low</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.75252 GHz 1.474 dBm #Avg 10 Log dB/ Offst 1 dB M1 S2 S3 FC AA Marker 5.752520000 GHz 1.474 dBm Center 5.755 GHz Span 80 MHz #Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11ax-HE40-High</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.79252 GHz -1.317 dBm #Avg 10 Log dB/ Offst 1 dB M1 S2 S3 FC AA Center 5.795000000 GHz Center 5.795 GHz Span 80 MHz #Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (1001 pts)</p> |
| <p>802.11ax-HE80</p> |  <p>Agilent R T Ref 20 dBm Atten 30 dB Mkr1 5.77996 GHz -6.572 dBm #Avg 10 Log dB/ Offst 1 dB M1 S2 S3 FC AA Marker 5.779960000 GHz -6.572 dBm Center 5.775 GHz Span 160 MHz #Res BW 300 kHz #VBW 1 MHz #Sweep 1 s (1001 pts)</p> |

APPENDIX B

Emission Bandwidth and Occupied Bandwidth

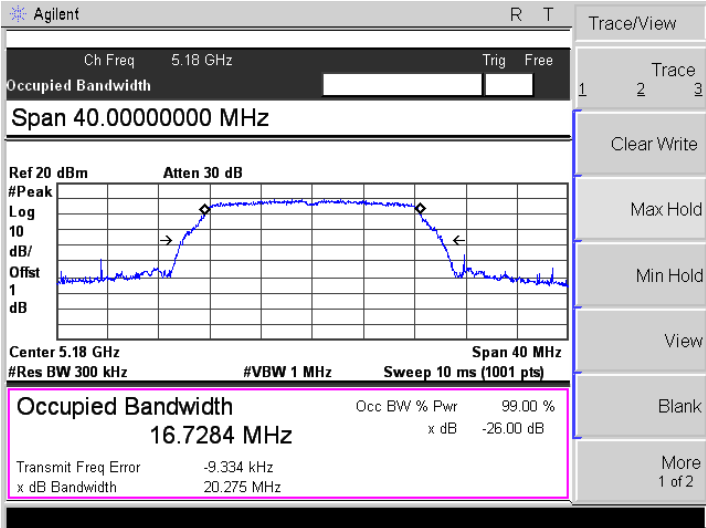
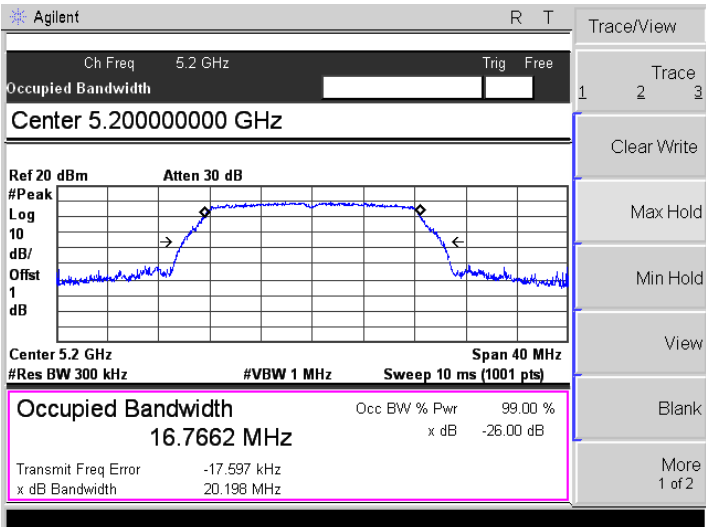
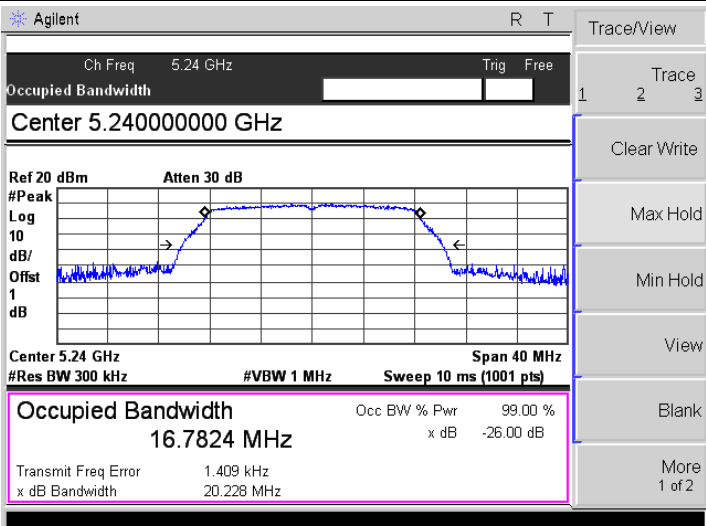
| U-NII-1:5150-5250MHz | | | | | | |
|----------------------|------------------|---------------------|-------------------|---------------------|-------------------|--------|
| Test Mode | Test Channel MHz | ANT 0 | | ANT 1 | | Result |
| | | 26 dB Bandwidth MHz | 99% Bandwidth MHz | 26 dB Bandwidth MHz | 99% Bandwidth MHz | |
| 802.11a | 5180 | 20.275 | 16.7284 | 23.680 | 16.9088 | Pass |
| | 5200 | 20.198 | 16.7662 | 20.318 | 16.7424 | Pass |
| | 5240 | 20.228 | 16.7824 | 20.178 | 16.7232 | Pass |
| 802.11n-HT20 | 5180 | 20.665 | 17.7550 | 20.622 | 17.7518 | Pass |
| | 5200 | 20.580 | 17.7414 | 20.486 | 17.7388 | Pass |
| | 5240 | 20.546 | 17.7537 | 20.413 | 17.7602 | Pass |
| 802.11n-HT40 | 5190 | 39.857 | 35.8024 | 39.783 | 35.7981 | Pass |
| | 5230 | 39.619 | 35.7006 | 39.909 | 35.7296 | Pass |
| 802.11ac-VH80 | 5210 | 80.386 | 74.8465 | 80.199 | 74.9559 | Pass |
| 802.11ax-HE20 | 5180 | 26.265 | 19.1825 | 29.656 | 19.0862 | Pass |
| | 5200 | 29.990 | 19.1732 | 29.982 | 19.1773 | Pass |
| | 5240 | 20.349 | 18.8792 | 20.136 | 18.8799 | Pass |
| 802.11ax-HE40 | 5190 | 39.430 | 37.3960 | 39.401 | 37.4994 | Pass |
| | 5230 | 39.474 | 37.4304 | 39.470 | 37.5436 | Pass |
| 802.11ax-HE80 | 5210 | 80.929 | 76.5302 | 80.199 | 74.9559 | Pass |

| U-NII-3: 5725-5850MHz | | | | | | |
|-----------------------|------------------|--------------------|-------------------|--------------------|-------------------|-----------|
| Test Mode | Test Channel MHz | ANT 0 | | ANT 1 | | Limit kHz |
| | | 6 dB Bandwidth MHz | 99% Bandwidth MHz | 6 dB Bandwidth MHz | 99% Bandwidth MHz | |
| 802.11a | 5745 | 15.906 | 16.7695 | 16.303 | 16.7741 | ≥500 |
| | 5785 | 15.482 | 16.7832 | 16.844 | 16.7591 | ≥500 |
| | 5825 | 15.637 | 16.6779 | 15.627 | 16.7527 | ≥500 |
| 802.11n-HT20 | 5745 | 17.279 | 16.7751 | 16.765 | 17.7731 | ≥500 |
| | 5785 | 16.857 | 17.7416 | 18.778 | 17.8010 | ≥500 |
| | 5825 | 16.411 | 17.7388 | 17.543 | 17.7726 | ≥500 |
| 802.11n-HT40 | 5755 | 35.093 | 35.7947 | 35.098 | 36.1937 | ≥500 |
| | 5795 | 33.866 | 35.8086 | 33.904 | 35.7943 | ≥500 |
| 802.11ac-VH80 | 5775 | 75.228 | 74.7152 | 75.166 | 74.9100 | ≥500 |

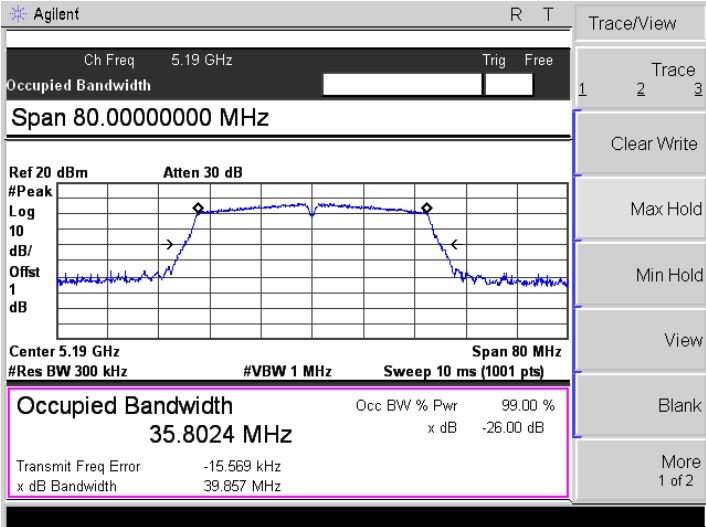
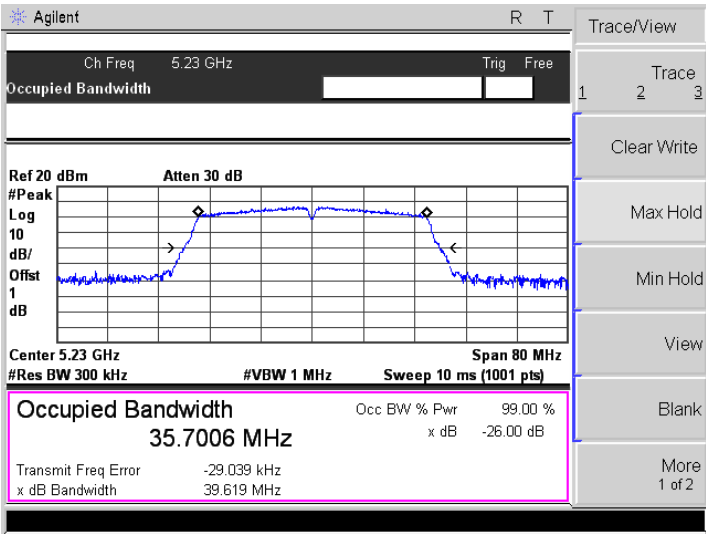
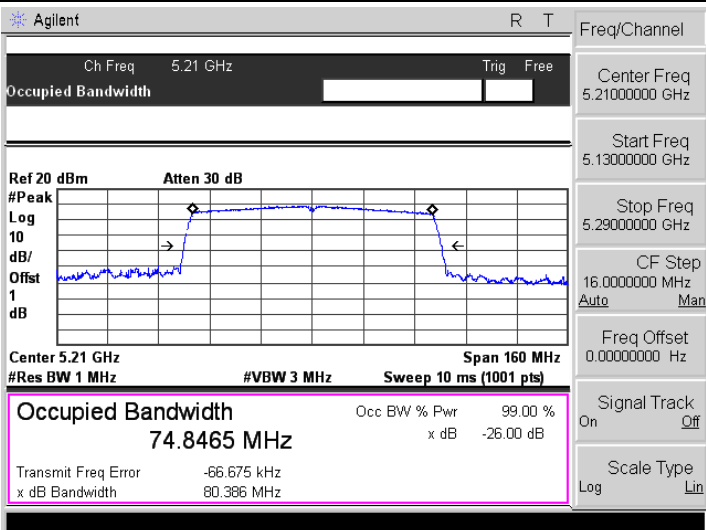
| | | | | | | |
|---------------|------|--------|---------|--------|---------|------------|
| 802.11ax-HE20 | 5745 | 18.863 | 19.1052 | 18.600 | 19.1298 | ≥ 500 |
| | 5785 | 18.750 | 19.1601 | 18.732 | 19.1277 | ≥ 500 |
| | 5825 | 18.562 | 19.1494 | 18.714 | 19.0962 | ≥ 500 |
| 802.11ax-HE40 | 5755 | 35.653 | 37.4612 | 35.069 | 37.4802 | ≥ 500 |
| | 5795 | 35.161 | 37.4983 | 35.694 | 37.5577 | ≥ 500 |
| 802.11ax-HE80 | 5775 | 71.539 | 76.5604 | 74.015 | 76.7395 | ≥ 500 |

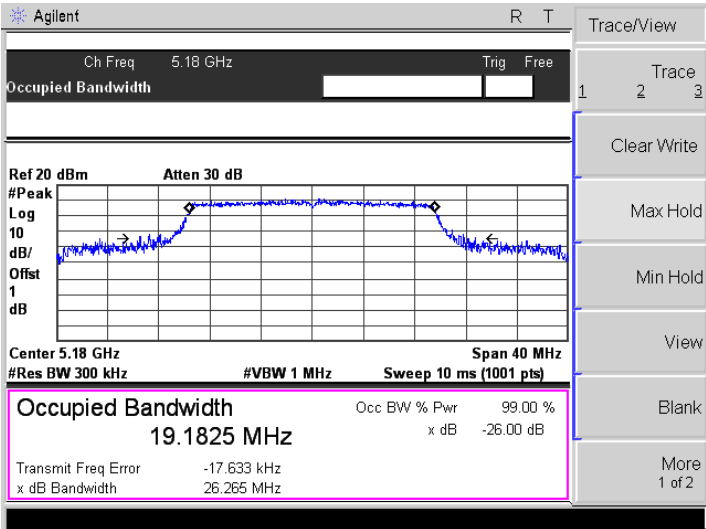
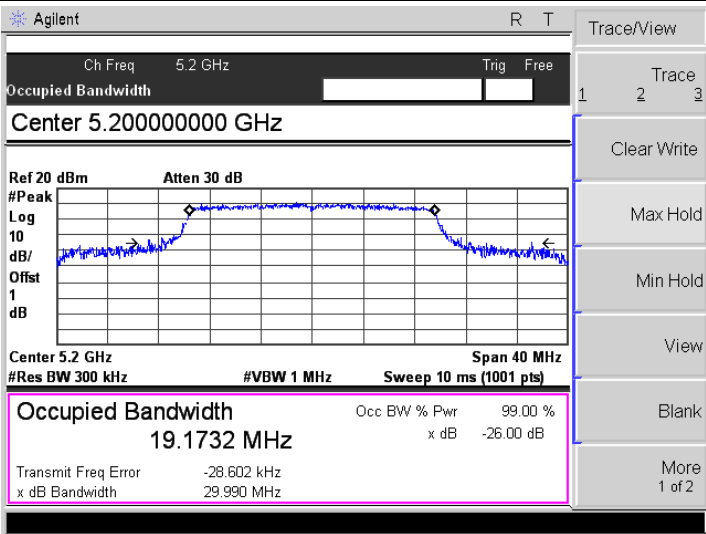
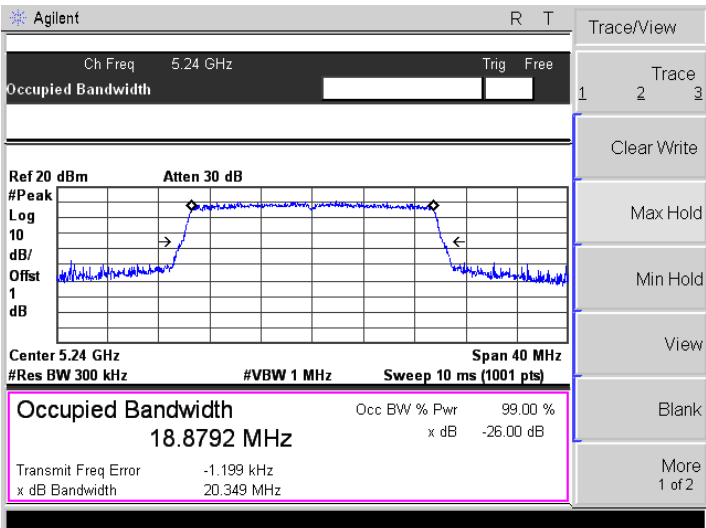
ANT 0

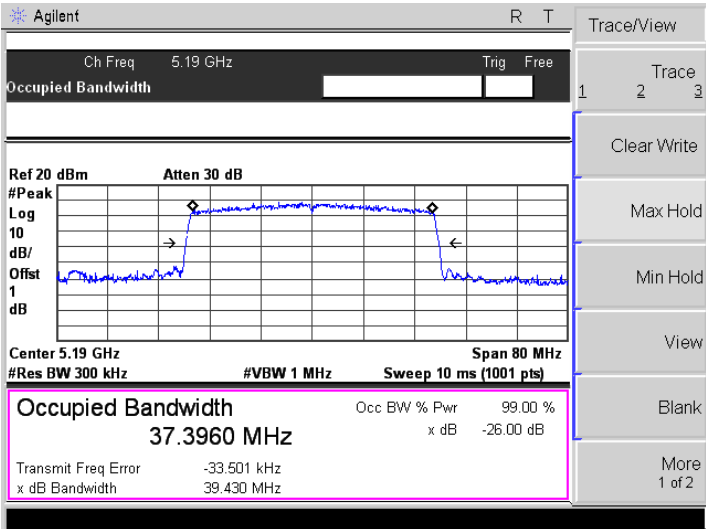
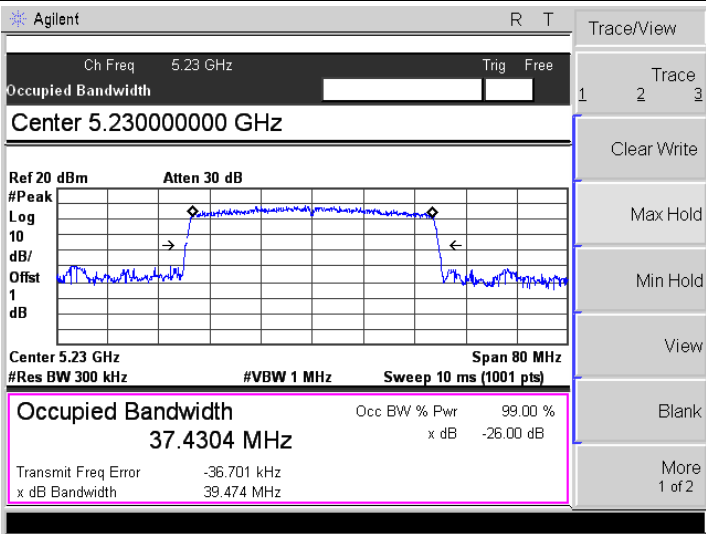
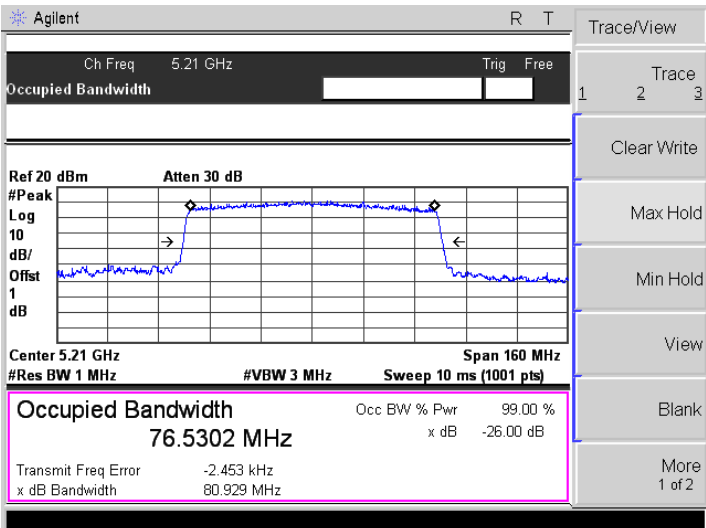
5150-5250MHz

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|-----------------------|--|
| <p>802.11a-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.18 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Span 40.00000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offset 1 dB</p> <p>Center 5.18 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.7284 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -9.334 kHz x dB Bandwidth 20.275 MHz</p> |
| <p>802.11a-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.2 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.20000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offset 1 dB</p> <p>Center 5.2 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.7662 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -17.597 kHz x dB Bandwidth 20.198 MHz</p> |
| <p>802.11a-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.24 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.24000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offset 1 dB</p> <p>Center 5.24 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.7824 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 1.409 kHz x dB Bandwidth 20.228 MHz</p> |

| | |
|----------------------------|--|
| <p>802.11n-HT20-Low</p> | <p>Agilent R T</p> <p>Ch Freq 5.18 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.18000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.18 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.7550 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -10.209 kHz</p> <p>x dB Bandwidth 20.665 MHz</p> |
| <p>802.11n-HT20-Middle</p> | <p>Agilent R T</p> <p>Ch Freq 5.2 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.2 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.2 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.7414 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -5.107 kHz</p> <p>x dB Bandwidth 20.580 MHz</p> |
| <p>802.11n-HT20-High</p> | <p>Agilent R T</p> <p>Ch Freq 5.24 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.24000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.24 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.7537 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -20.419 kHz</p> <p>x dB Bandwidth 20.546 MHz</p> |

| | | | | | | | | | | | | | |
|--------------------------|--|--------------------|--------------|---------|-------------|------|-----------|---------------------|--|-------------|----------------|--|------------|
| <p>802.11n-HT40-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.19 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Span 80.00000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.19 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>35.8024 MHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td></td> <td>-15.569 kHz</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td>39.857 MHz</td> </tr> </table> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 35.8024 MHz | x dB | -26.00 dB | Transmit Freq Error | | -15.569 kHz | x dB Bandwidth | | 39.857 MHz |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | |
| 35.8024 MHz | x dB | -26.00 dB | | | | | | | | | | | |
| Transmit Freq Error | | -15.569 kHz | | | | | | | | | | | |
| x dB Bandwidth | | 39.857 MHz | | | | | | | | | | | |
| <p>802.11n-HT40-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.23 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Span 80 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.23 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>35.7006 MHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td></td> <td>-29.039 kHz</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td>39.619 MHz</td> </tr> </table> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 35.7006 MHz | x dB | -26.00 dB | Transmit Freq Error | | -29.039 kHz | x dB Bandwidth | | 39.619 MHz |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | |
| 35.7006 MHz | x dB | -26.00 dB | | | | | | | | | | | |
| Transmit Freq Error | | -29.039 kHz | | | | | | | | | | | |
| x dB Bandwidth | | 39.619 MHz | | | | | | | | | | | |
| <p>802.11ac-VH80</p> |  <p>Agilent R T</p> <p>Ch Freq 5.21 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Span 160 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.21 GHz Span 160 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 10 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>74.8465 MHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td></td> <td>-66.675 kHz</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td>80.386 MHz</td> </tr> </table> <p>Freq/Channel</p> <p>Center Freq 5.21000000 GHz</p> <p>Start Freq 5.13000000 GHz</p> <p>Stop Freq 5.29000000 GHz</p> <p>CF Step 16.00000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Scale Type Log Lin</p> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 74.8465 MHz | x dB | -26.00 dB | Transmit Freq Error | | -66.675 kHz | x dB Bandwidth | | 80.386 MHz |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | |
| 74.8465 MHz | x dB | -26.00 dB | | | | | | | | | | | |
| Transmit Freq Error | | -66.675 kHz | | | | | | | | | | | |
| x dB Bandwidth | | 80.386 MHz | | | | | | | | | | | |

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| <p>802.11ax-HE20-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.18 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.18 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 19.1825 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -17.633 kHz</p> <p>x dB Bandwidth 26.265 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.2 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.20000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.2 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 19.1732 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -28.602 kHz</p> <p>x dB Bandwidth 29.990 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.24 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.24 GHz Span 40 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 18.8792 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -1.199 kHz</p> <p>x dB Bandwidth 20.349 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

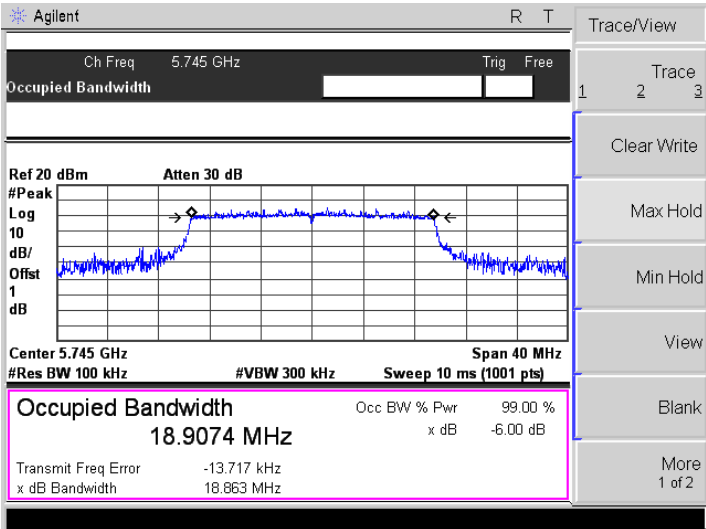
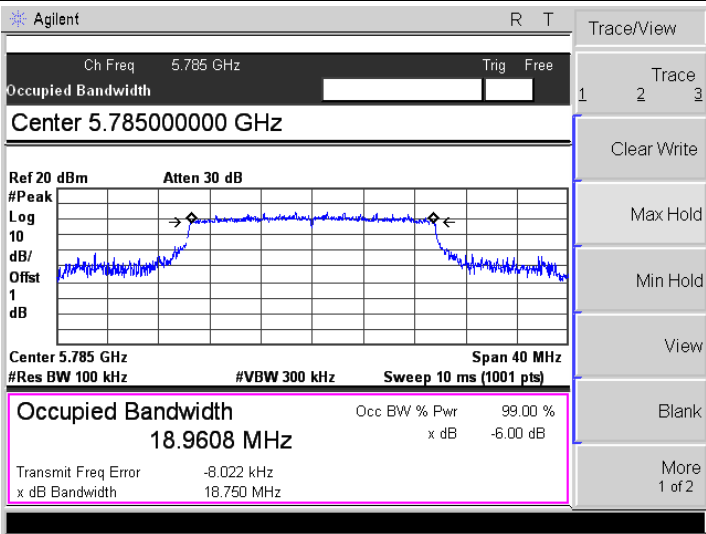
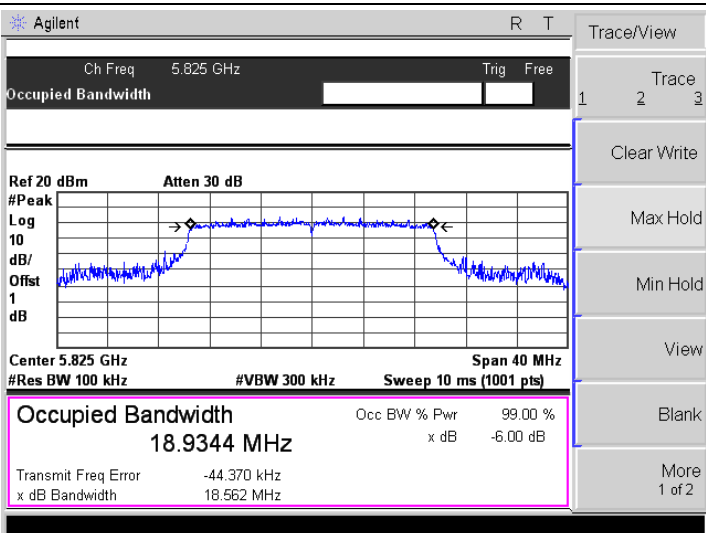
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|---------------------------|--|
| <p>802.11ax-HE40-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.19 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.19 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 37.3960 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -33.501 kHz</p> <p>x dB Bandwidth 39.430 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE40-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.23 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.23000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.23 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 37.4304 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -36.701 kHz</p> <p>x dB Bandwidth 39.474 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE80</p> |  <p>Agilent R T</p> <p>Ch Freq 5.21 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.21 GHz Span 160 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 76.5302 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -2.453 kHz</p> <p>x dB Bandwidth 80.929 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

5725-5850MHz
6dB

| | |
|-----------------------|--|
| <p>802.11a-Low</p> | <p>Agilent R T Trace/View</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Span 40.00000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offset 1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.3785 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error -18.429 kHz x dB Bandwidth 15.906 MHz</p> |
| <p>802.11a-Middle</p> | <p>Agilent R T Trace/View</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.78500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offset 1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.3857 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error -18.978 kHz x dB Bandwidth 15.482 MHz</p> |
| <p>802.11a-High</p> | <p>Agilent R T Trace/View</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.82500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offset 1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.3679 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error -26.504 kHz x dB Bandwidth 15.637 MHz</p> |

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| <p>802.11n-HT20-Low</p> | <p>Agilent R T</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.74500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.5421 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -6.00 dB</p> <p>Transmit Freq Error -16.773 kHz</p> <p>x dB Bandwidth 17.279 MHz</p> |
| <p>802.11n-HT20-Middle</p> | <p>Agilent R T</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.785 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.5329 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -6.00 dB</p> <p>Transmit Freq Error -17.973 kHz</p> <p>x dB Bandwidth 16.857 MHz</p> |
| <p>802.11n-HT20-High</p> | <p>Agilent R T</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.82500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.5508 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -6.00 dB</p> <p>Transmit Freq Error -23.101 kHz</p> <p>x dB Bandwidth 16.411 MHz</p> |

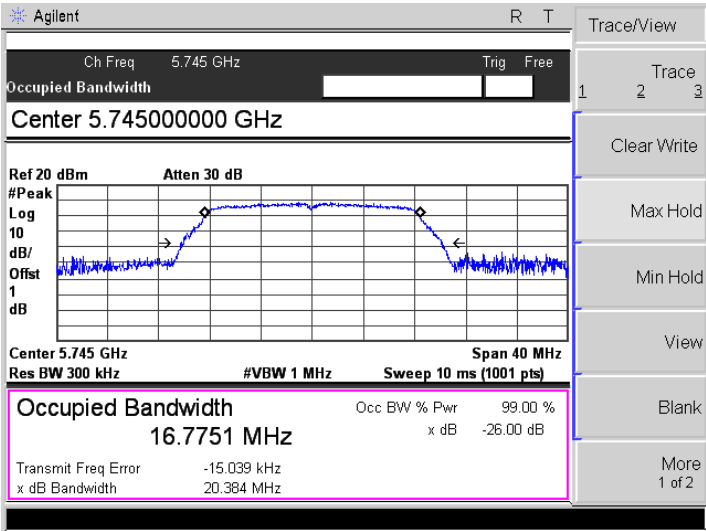
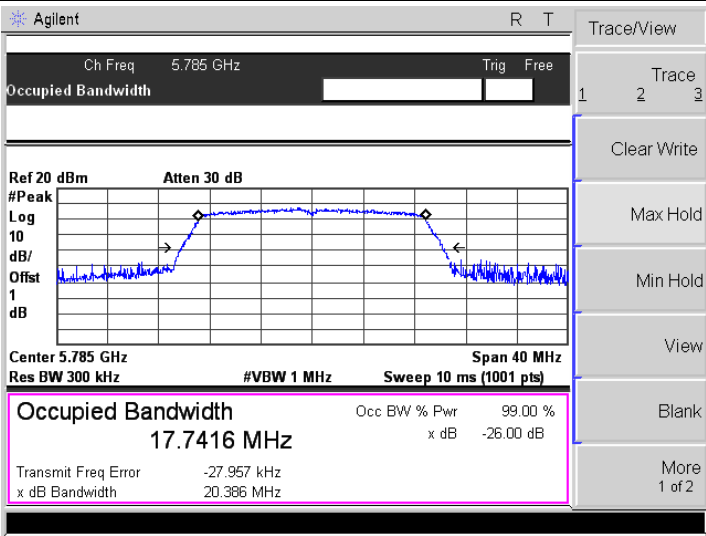
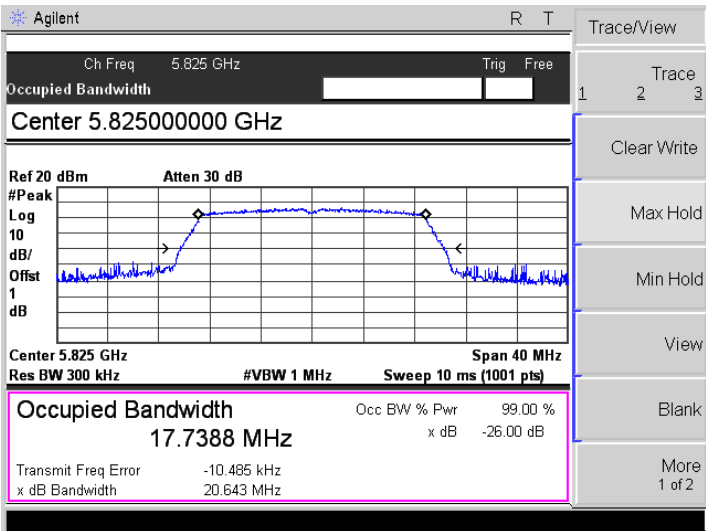
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|--------------------------|--|--------------------|--------------|---------|-------------|------|----------|---------------------|--|--|----------------|--|--|-------------|--|--|------------|--|--|
| <p>802.11n-HT40-Low</p> | <p>Agilent R T</p> <p>Ch Freq 5.755 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Span 80.00000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.755 GHz Span 80 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>35.6665 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td></td> <td></td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>-53.247 kHz</td> <td></td> <td></td> </tr> <tr> <td>35.093 MHz</td> <td></td> <td></td> </tr> </table> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 35.6665 MHz | x dB | -6.00 dB | Transmit Freq Error | | | x dB Bandwidth | | | -53.247 kHz | | | 35.093 MHz | | |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | | | | | | | |
| 35.6665 MHz | x dB | -6.00 dB | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | | | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | | | | | | | | | | | | | | | | | | | |
| -53.247 kHz | | | | | | | | | | | | | | | | | | | |
| 35.093 MHz | | | | | | | | | | | | | | | | | | | |
| <p>802.11n-HT40-High</p> | <p>Agilent R T</p> <p>Ch Freq 5.795 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.79500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.795 GHz Span 80 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>35.6351 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td></td> <td></td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>-30.158 kHz</td> <td></td> <td></td> </tr> <tr> <td>33.866 MHz</td> <td></td> <td></td> </tr> </table> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 35.6351 MHz | x dB | -6.00 dB | Transmit Freq Error | | | x dB Bandwidth | | | -30.158 kHz | | | 33.866 MHz | | |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | | | | | | | |
| 35.6351 MHz | x dB | -6.00 dB | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | | | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | | | | | | | | | | | | | | | | | | | |
| -30.158 kHz | | | | | | | | | | | | | | | | | | | |
| 33.866 MHz | | | | | | | | | | | | | | | | | | | |
| <p>802.11ac-VH80</p> | <p>Agilent R T</p> <p>Ch Freq 5.775 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>RBW 100.0000000 kHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.775 GHz Span 160 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 16.58 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>75.0246 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td></td> <td></td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>-37.162 kHz</td> <td></td> <td></td> </tr> <tr> <td>75.228 MHz</td> <td></td> <td></td> </tr> </table> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 75.0246 MHz | x dB | -6.00 dB | Transmit Freq Error | | | x dB Bandwidth | | | -37.162 kHz | | | 75.228 MHz | | |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | | | | | | | |
| 75.0246 MHz | x dB | -6.00 dB | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | | | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | | | | | | | | | | | | | | | | | | | |
| -37.162 kHz | | | | | | | | | | | | | | | | | | | |
| 75.228 MHz | | | | | | | | | | | | | | | | | | | |

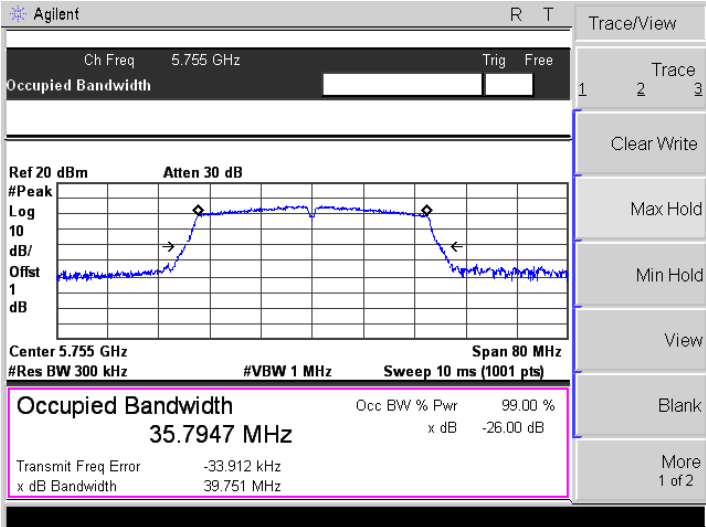
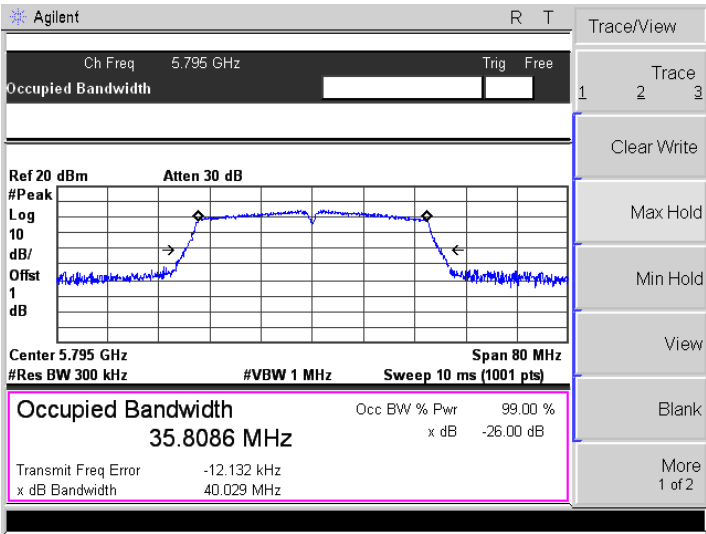
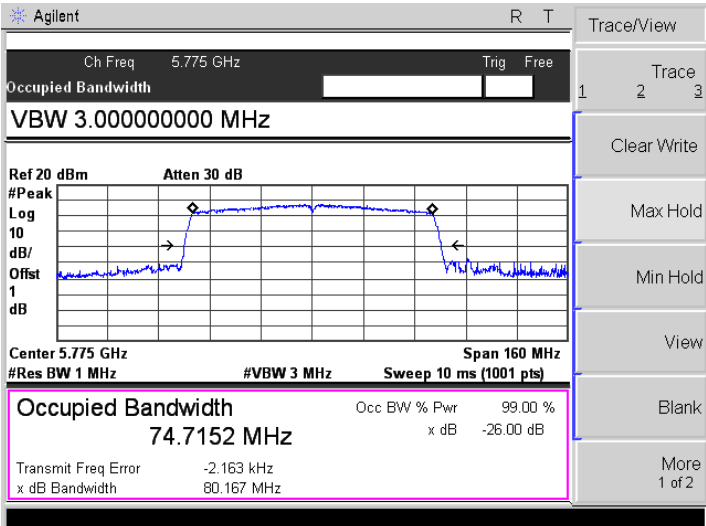
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| <p>802.11ax-HE20-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 18.9074 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -6.00 dB</p> <p>Transmit Freq Error -13.717 kHz</p> <p>x dB Bandwidth 18.863 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.78500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 18.9608 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -6.00 dB</p> <p>Transmit Freq Error -8.022 kHz</p> <p>x dB Bandwidth 18.750 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 18.9344 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -6.00 dB</p> <p>Transmit Freq Error -44.370 kHz</p> <p>x dB Bandwidth 18.562 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

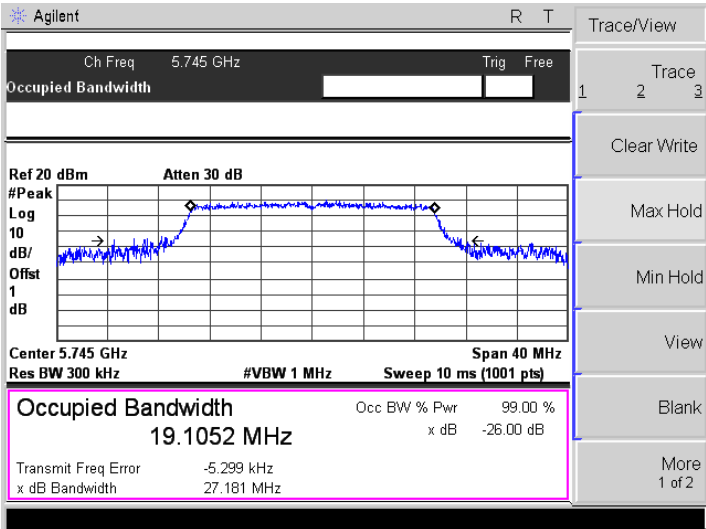
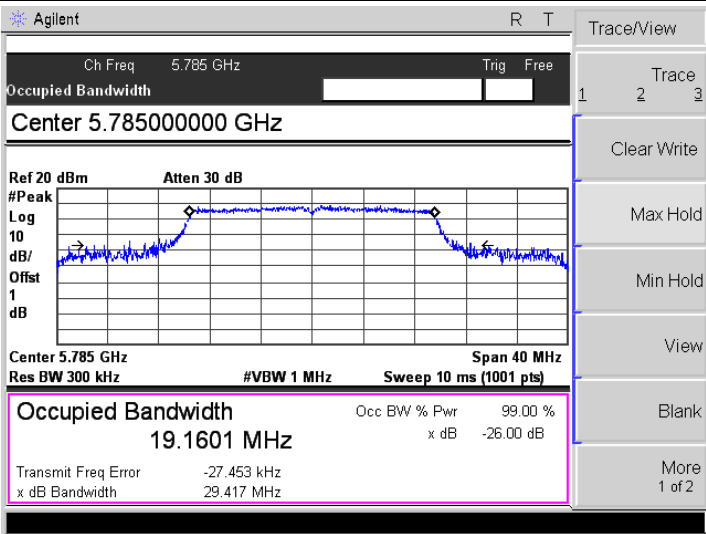
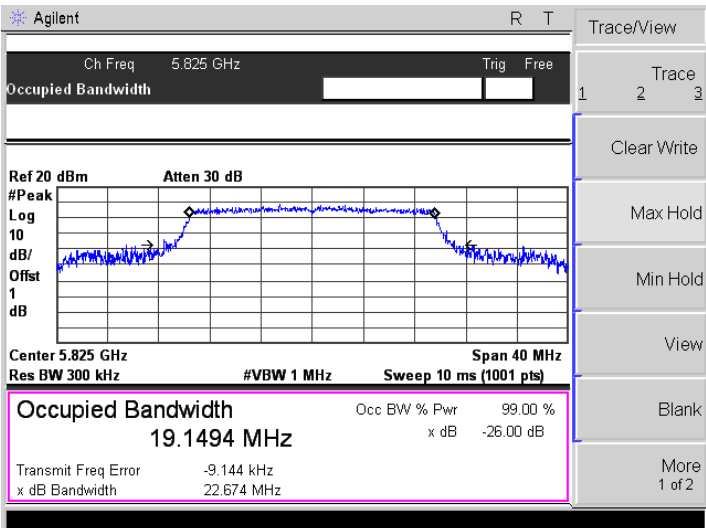
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|---------------------------|--|--------------------|--------------|---------|-------------|------|----------|---------------------|-------------|--|----------------|------------|--|
| <p>802.11ax-HE40-Low</p> | <p>Agilent R T</p> <p>Ch Freq 5.755 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.755 GHz Span 80 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>37.4953 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td colspan="2">-47.758 kHz</td> </tr> <tr> <td>x dB Bandwidth</td> <td colspan="2">35.653 MHz</td> </tr> </table> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 37.4953 MHz | x dB | -6.00 dB | Transmit Freq Error | -47.758 kHz | | x dB Bandwidth | 35.653 MHz | |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | |
| 37.4953 MHz | x dB | -6.00 dB | | | | | | | | | | | |
| Transmit Freq Error | -47.758 kHz | | | | | | | | | | | | |
| x dB Bandwidth | 35.653 MHz | | | | | | | | | | | | |
| <p>802.11ax-HE40-High</p> | <p>Agilent R T</p> <p>Ch Freq 5.795 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.795 GHz Span 80 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>37.4289 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td colspan="2">-8.612 kHz</td> </tr> <tr> <td>x dB Bandwidth</td> <td colspan="2">35.161 MHz</td> </tr> </table> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 37.4289 MHz | x dB | -6.00 dB | Transmit Freq Error | -8.612 kHz | | x dB Bandwidth | 35.161 MHz | |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | |
| 37.4289 MHz | x dB | -6.00 dB | | | | | | | | | | | |
| Transmit Freq Error | -8.612 kHz | | | | | | | | | | | | |
| x dB Bandwidth | 35.161 MHz | | | | | | | | | | | | |
| <p>802.11ax-HE80</p> | <p>Agilent R T</p> <p>Ch Freq 5.775 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.775 GHz Span 160 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 16.58 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>76.5443 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td colspan="2">13.776 kHz</td> </tr> <tr> <td>x dB Bandwidth</td> <td colspan="2">71.539 MHz</td> </tr> </table> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 76.5443 MHz | x dB | -6.00 dB | Transmit Freq Error | 13.776 kHz | | x dB Bandwidth | 71.539 MHz | |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | |
| 76.5443 MHz | x dB | -6.00 dB | | | | | | | | | | | |
| Transmit Freq Error | 13.776 kHz | | | | | | | | | | | | |
| x dB Bandwidth | 71.539 MHz | | | | | | | | | | | | |

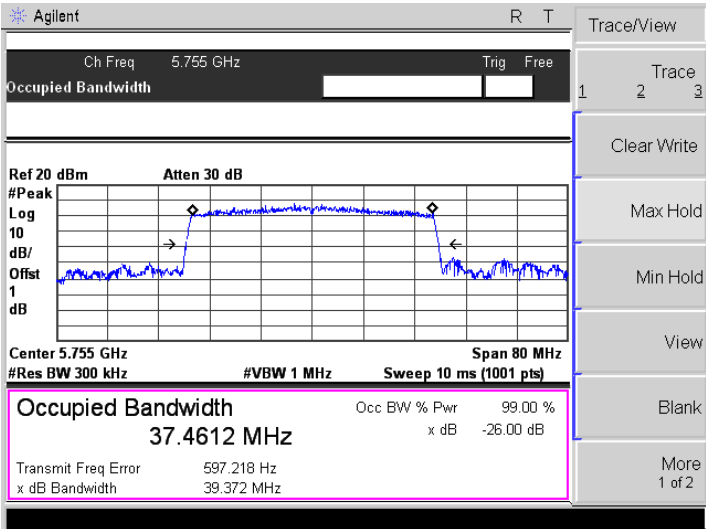
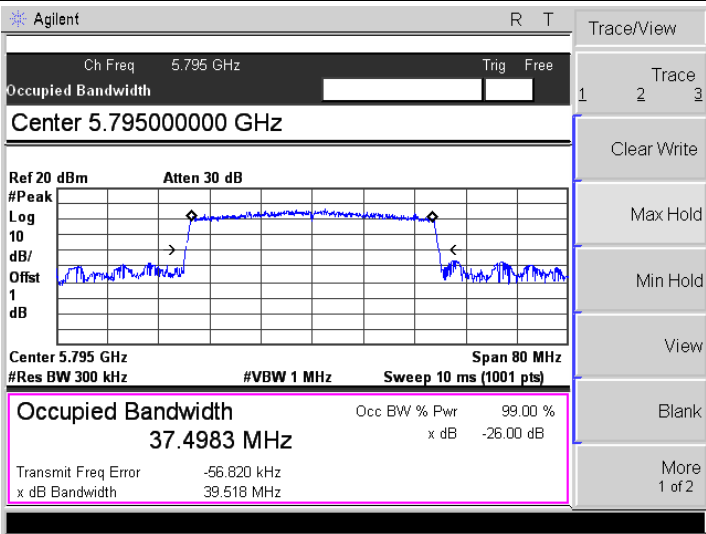
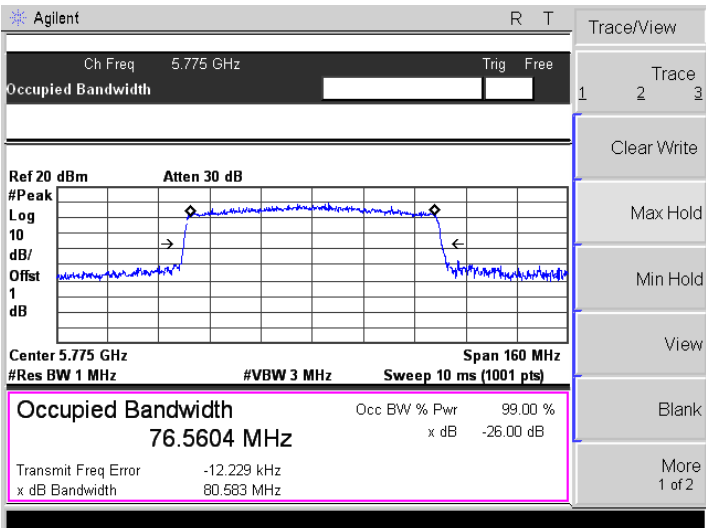
99%

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|-----------------------|---|
| <p>802.11a-Low</p> | <p>Agilent R T Trace/View</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>VBW 1.00000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offset 1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.7695 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -992.048 Hz x dB Bandwidth 20.182 MHz</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11a-Middle</p> | <p>Agilent R T Trace/View</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.78500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offset 1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.7832 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -17.500 kHz x dB Bandwidth 20.278 MHz</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11a-High</p> | <p>Agilent R T Trace/View</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.82500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offset 1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.6779 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -47.425 kHz x dB Bandwidth 20.223 MHz</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

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| <p>802.11n-HT20-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.74500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.7751 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -15.039 kHz</p> <p>x dB Bandwidth 20.384 MHz</p> |
| <p>802.11n-HT20-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.78500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.7416 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -27.957 kHz</p> <p>x dB Bandwidth 20.386 MHz</p> |
| <p>802.11n-HT20-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.82500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.7388 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -10.485 kHz</p> <p>x dB Bandwidth 20.643 MHz</p> |

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|--------------------------|--|--------------------|--------------|---------|-------------|------|-----------|---------------------|--|--|----------------|--|--|-------------|--|--|------------|--|--|
| <p>802.11n-HT40-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.755 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.755 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>35.7947 MHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td></td> <td></td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>-33.912 kHz</td> <td></td> <td></td> </tr> <tr> <td>39.751 MHz</td> <td></td> <td></td> </tr> </table> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 35.7947 MHz | x dB | -26.00 dB | Transmit Freq Error | | | x dB Bandwidth | | | -33.912 kHz | | | 39.751 MHz | | |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | | | | | | | |
| 35.7947 MHz | x dB | -26.00 dB | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | | | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | | | | | | | | | | | | | | | | | | | |
| -33.912 kHz | | | | | | | | | | | | | | | | | | | |
| 39.751 MHz | | | | | | | | | | | | | | | | | | | |
| <p>802.11n-HT40-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.795 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.795 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>35.8086 MHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td></td> <td></td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>-12.132 kHz</td> <td></td> <td></td> </tr> <tr> <td>40.029 MHz</td> <td></td> <td></td> </tr> </table> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 35.8086 MHz | x dB | -26.00 dB | Transmit Freq Error | | | x dB Bandwidth | | | -12.132 kHz | | | 40.029 MHz | | |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | | | | | | | |
| 35.8086 MHz | x dB | -26.00 dB | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | | | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | | | | | | | | | | | | | | | | | | | |
| -12.132 kHz | | | | | | | | | | | | | | | | | | | |
| 40.029 MHz | | | | | | | | | | | | | | | | | | | |
| <p>802.11ac-VH80</p> |  <p>Agilent R T</p> <p>Ch Freq 5.775 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>VBW 3.000000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.775 GHz Span 160 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 10 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>74.7152 MHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td></td> <td></td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>-2.163 kHz</td> <td></td> <td></td> </tr> <tr> <td>80.167 MHz</td> <td></td> <td></td> </tr> </table> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 74.7152 MHz | x dB | -26.00 dB | Transmit Freq Error | | | x dB Bandwidth | | | -2.163 kHz | | | 80.167 MHz | | |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | | | | | | | |
| 74.7152 MHz | x dB | -26.00 dB | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | | | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | | | | | | | | | | | | | | | | | | | |
| -2.163 kHz | | | | | | | | | | | | | | | | | | | |
| 80.167 MHz | | | | | | | | | | | | | | | | | | | |

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| <p>802.11ax-HE20-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/ Offst 1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 19.1052 MHz</p> <p>Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -5.299 kHz</p> <p>x dB Bandwidth 27.181 MHz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.78500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/ Offst 1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 19.1601 MHz</p> <p>Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -27.453 kHz</p> <p>x dB Bandwidth 29.417 MHz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/ Offst 1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 19.1494 MHz</p> <p>Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -9.144 kHz</p> <p>x dB Bandwidth 22.674 MHz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

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|---------------------------|--|
| <p>802.11ax-HE40-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.755 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 1 dB</p> <p>Center 5.755 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 37.4612 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 597.218 Hz</p> <p>x dB Bandwidth 39.372 MHz</p> |
| <p>802.11ax-HE40-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.795 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.79500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 1 dB</p> <p>Center 5.795 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 37.4983 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -56.820 kHz</p> <p>x dB Bandwidth 39.518 MHz</p> |
| <p>802.11ax-HE80</p> |  <p>Agilent R T</p> <p>Ch Freq 5.775 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 1 dB</p> <p>Center 5.775 GHz Span 160 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 76.5604 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -12.229 kHz</p> <p>x dB Bandwidth 80.583 MHz</p> |

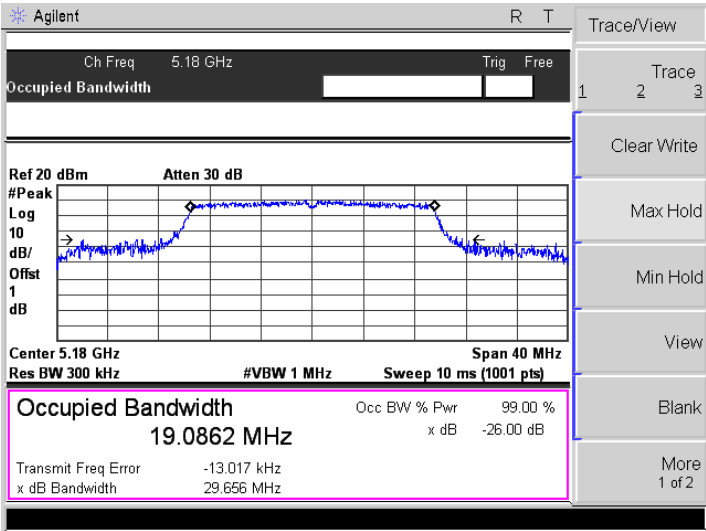
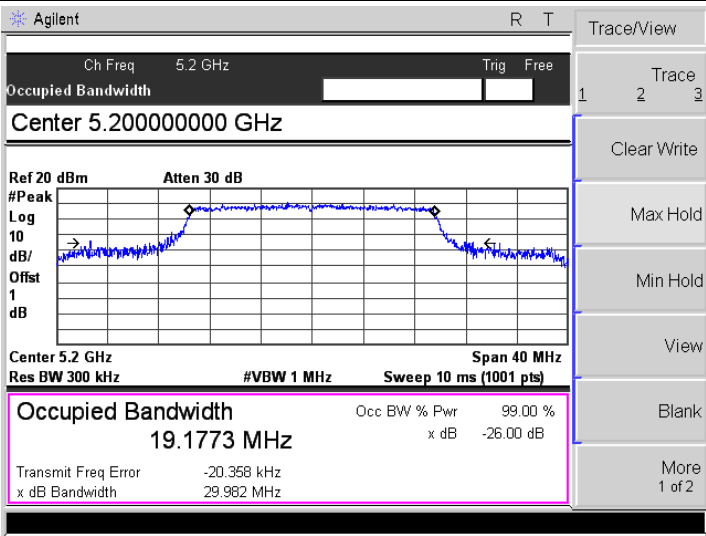
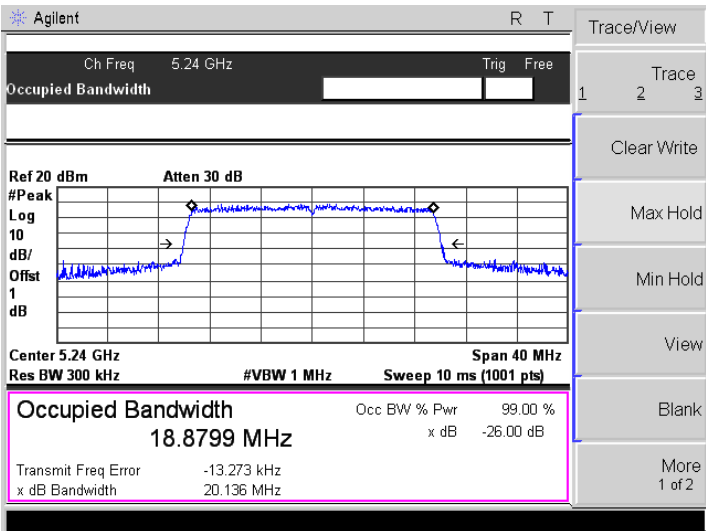
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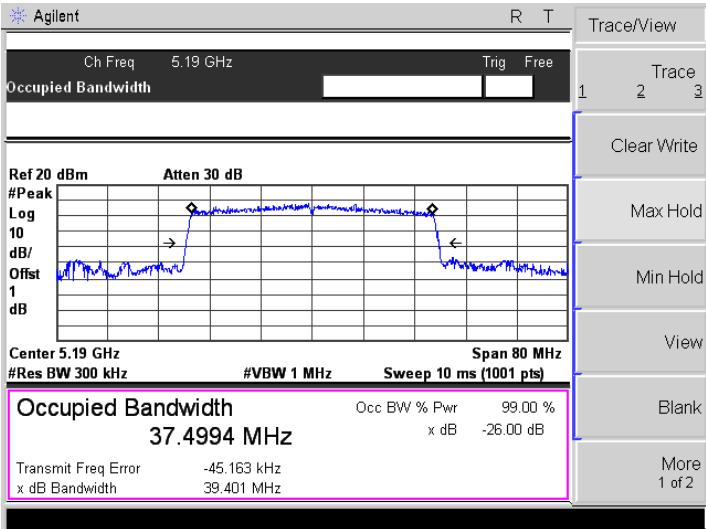
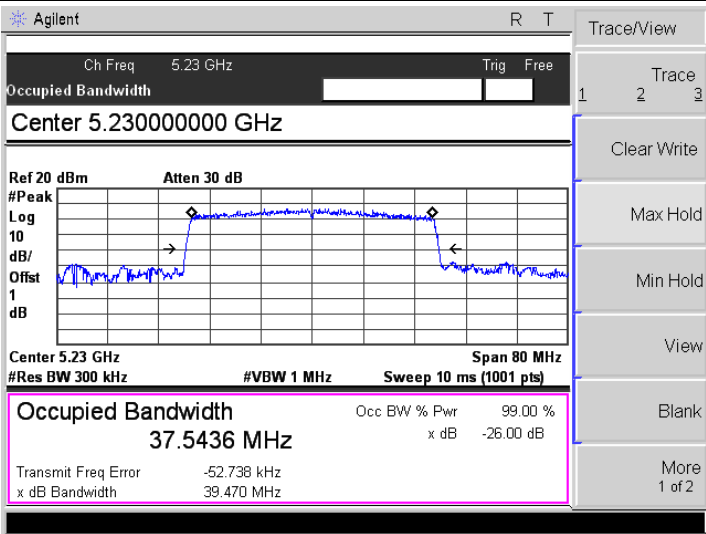
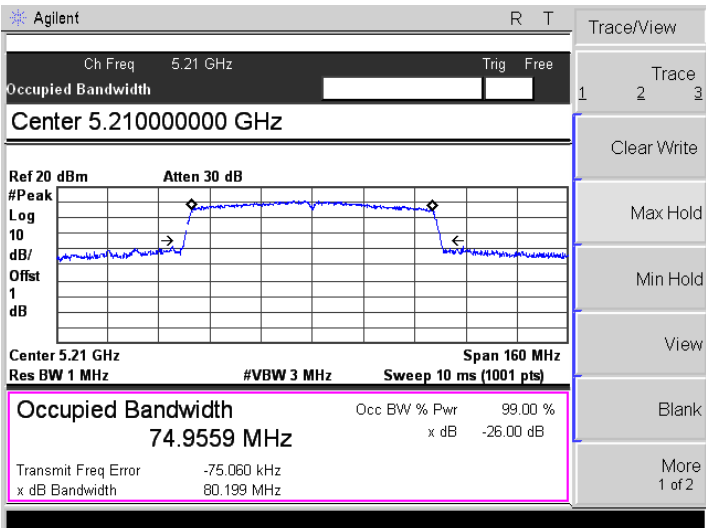
5150-5250MHz

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| <p>802.11a-Low</p> | <p>Agilent R T Trace/View</p> <p>Ch Freq 5.18 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>VBW 1.00000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/ Offst 1 dB</p> <p>Center 5.18 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.9088 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -32.750 kHz x dB Bandwidth 23.680 MHz</p> |
| <p>802.11a-Middle</p> | <p>Agilent R T Trace/View</p> <p>Ch Freq 5.2 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.20000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/ Offst 1 dB</p> <p>Center 5.2 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.7424 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -21.897 kHz x dB Bandwidth 20.318 MHz</p> |
| <p>802.11a-High</p> | <p>Agilent R T Trace/View</p> <p>Ch Freq 5.24 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.24000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/ Offst 1 dB</p> <p>Center 5.24 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.7232 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -48.408 kHz x dB Bandwidth 20.178 MHz</p> |

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| <p>802.11n-HT20-Low</p> | <p>Agilent R T</p> <p>Ch Freq 5.18 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.18000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/Offst 1 dB</p> <p>Center 5.18 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.7518 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -25.947 kHz x dB Bandwidth 20.622 MHz</p> |
| <p>802.11n-HT20-Middle</p> | <p>Agilent R T</p> <p>Ch Freq 5.2 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.2 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/Offst 1 dB</p> <p>Center 5.2 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.7388 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -20.454 kHz x dB Bandwidth 20.486 MHz</p> |
| <p>802.11n-HT20-High</p> | <p>Agilent R T</p> <p>Ch Freq 5.24 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.24000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/Offst 1 dB</p> <p>Center 5.24 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.7602 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -31.820 kHz x dB Bandwidth 20.413 MHz</p> |

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| <p>802.11n-HT40-Low</p> | <p>Agilent R T</p> <p>Ch Freq 5.19 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.19 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 35.7981 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -52.454 kHz</p> <p>x dB Bandwidth 39.783 MHz</p> |
| <p>802.11n-HT40-High</p> | <p>Agilent R T</p> <p>Ch Freq 5.23 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.23 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 35.7296 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -52.323 kHz</p> <p>x dB Bandwidth 39.909 MHz</p> |
| <p>802.11ac-VH80</p> | <p>Agilent R T</p> <p>Ch Freq 5.21 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.21000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.21 GHz Span 160 MHz</p> <p>Res BW 1 MHz #VBW 3 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 74.9559 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -75.060 kHz</p> <p>x dB Bandwidth 80.199 MHz</p> |

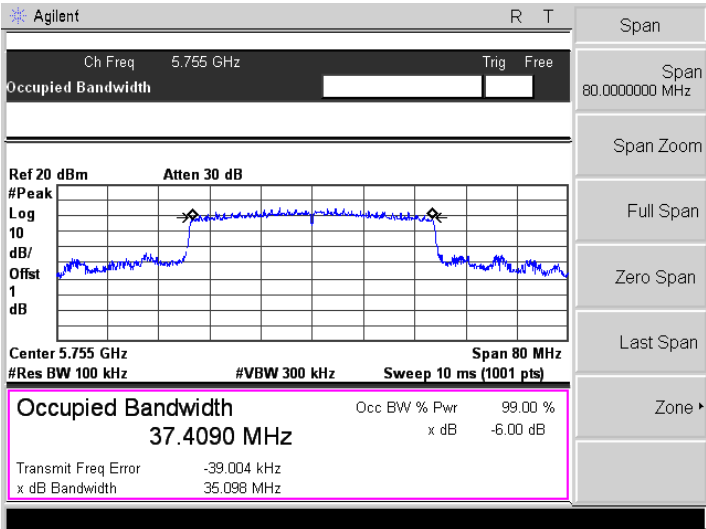
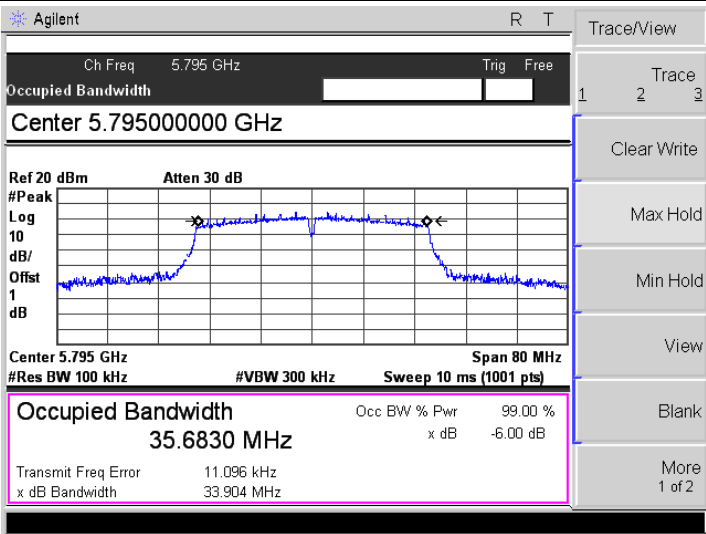
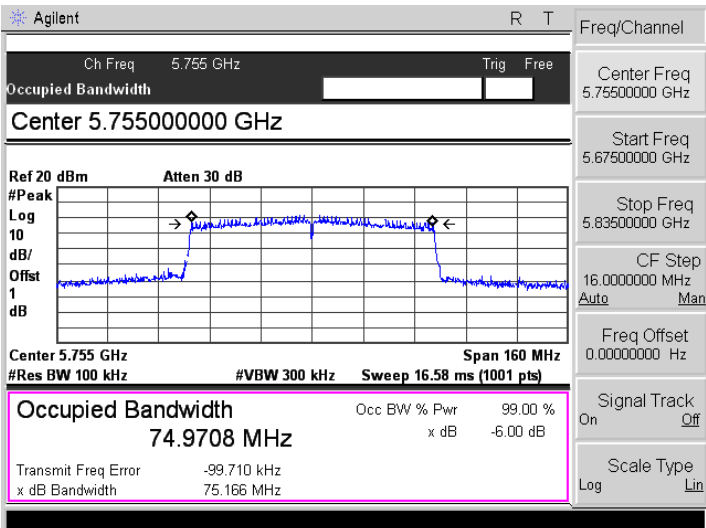
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|-----------------------------|---|
| <p>802.11ax-HE20-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.18 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.18 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 19.0862 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -13.017 kHz</p> <p>x dB Bandwidth 29.656 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.2 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.20000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.2 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 19.1773 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -20.358 kHz</p> <p>x dB Bandwidth 29.982 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.24 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.24 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 18.8799 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -13.273 kHz</p> <p>x dB Bandwidth 20.136 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

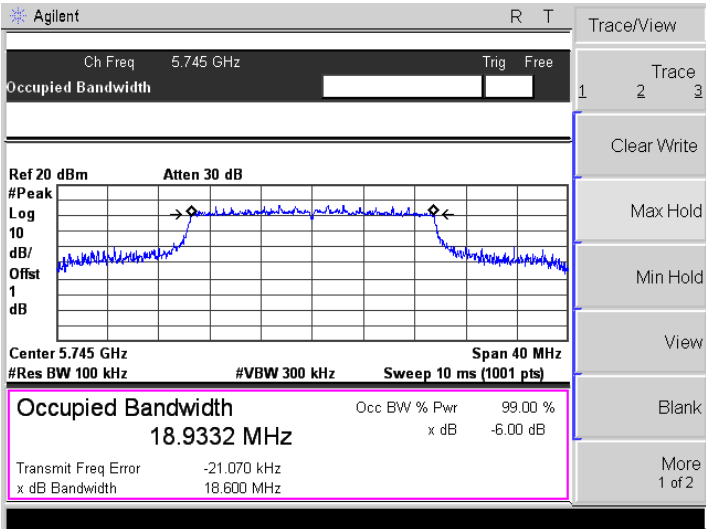
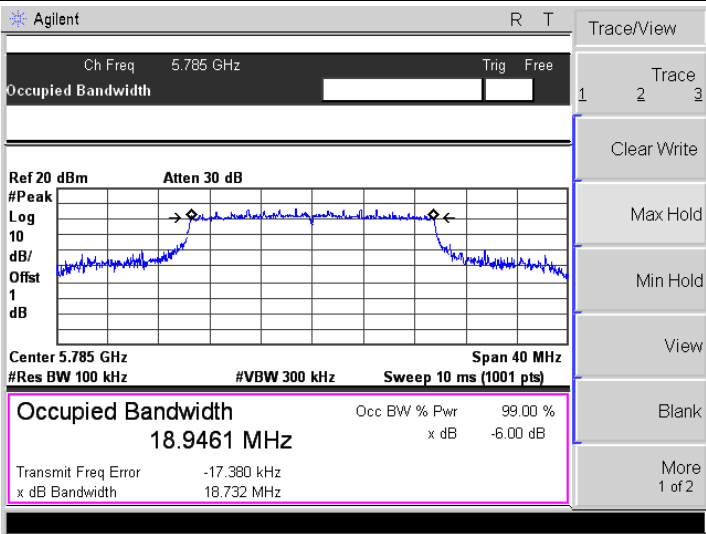
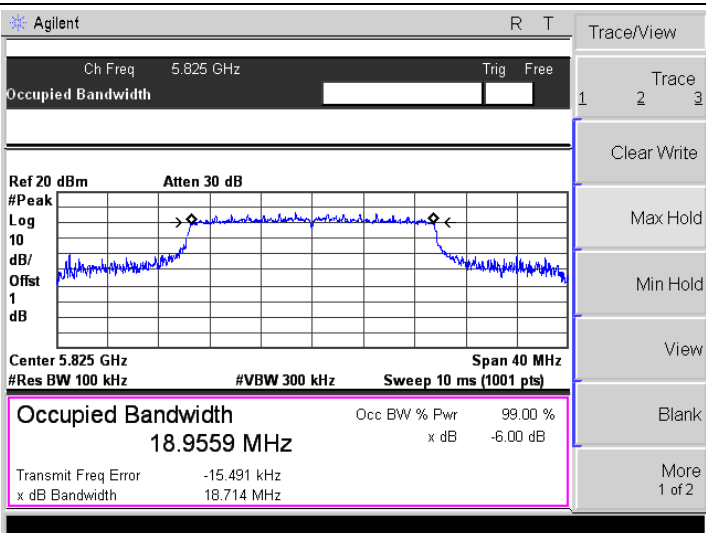
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|---------------------------|---|
| <p>802.11ax-HE40-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.19 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.19 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 37.4994 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -45.163 kHz</p> <p>x dB Bandwidth 39.401 MHz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE40-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.23 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.23000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.23 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 37.5436 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -52.738 kHz</p> <p>x dB Bandwidth 39.470 MHz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE80</p> |  <p>Agilent R T</p> <p>Ch Freq 5.21 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.21000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.21 GHz Span 160 MHz</p> <p>Res BW 1 MHz #VBW 3 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 74.9559 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -75.060 kHz</p> <p>x dB Bandwidth 80.199 MHz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

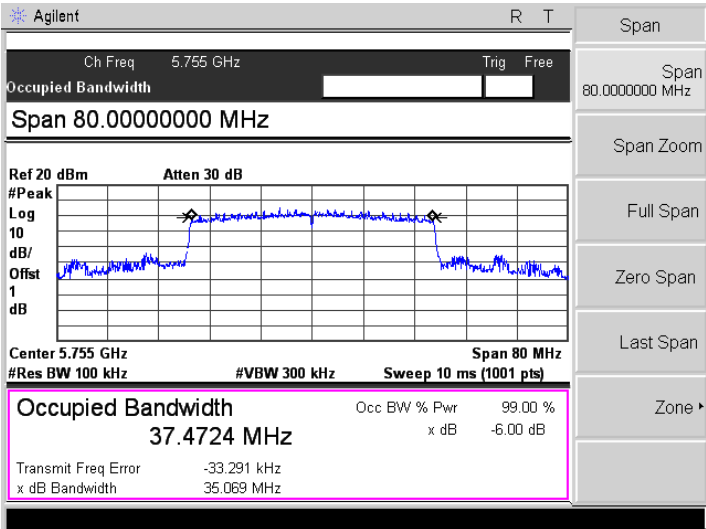
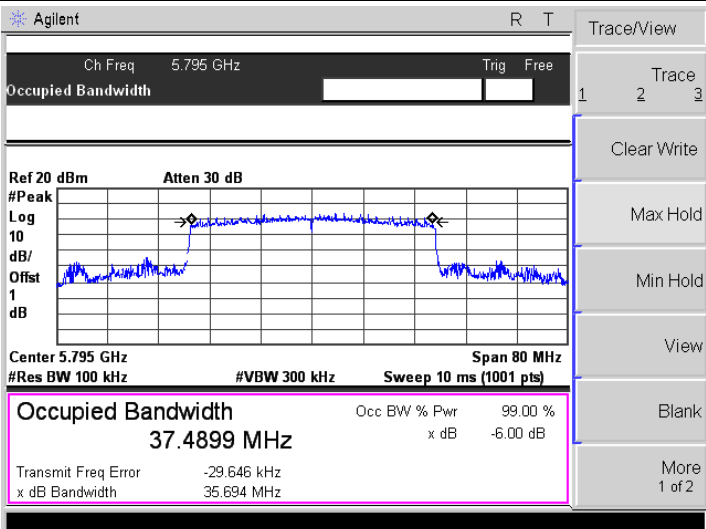
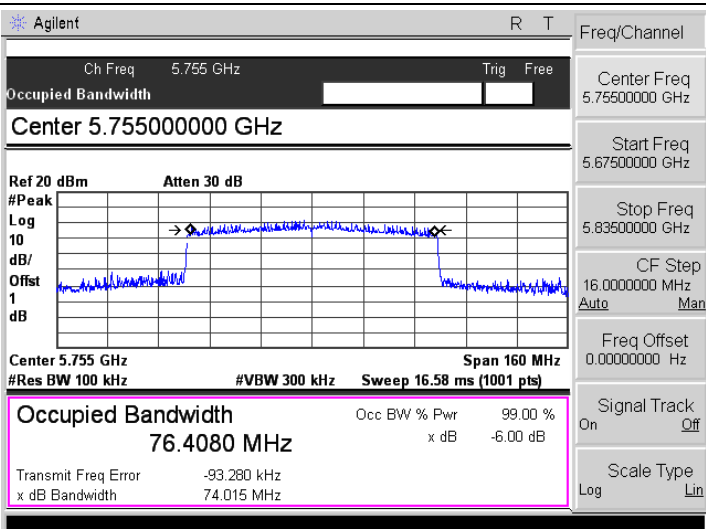
5725-5850MHz
6dB

| | |
|-----------------------|---|
| <p>802.11a-Low</p> | <p>Agilent R T Trace/View</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Span 40.00000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offset 1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.3931 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error -20.609 kHz x dB Bandwidth 16.303 MHz</p> |
| <p>802.11a-Middle</p> | <p>Agilent R T Trace/View</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.78500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offset 1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.5494 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error -16.574 kHz x dB Bandwidth 16.844 MHz</p> |
| <p>802.11a-High</p> | <p>Agilent R T Trace/View</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.82500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offset 1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 16.3774 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error -11.848 kHz x dB Bandwidth 15.627 MHz</p> |

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| <p>802.11n-HT20-Low</p> | <p>Agilent R T</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.74500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.5517 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error -25.030 kHz</p> <p>x dB Bandwidth 16.765 MHz</p> |
| <p>802.11n-HT20-Middle</p> | <p>Agilent R T</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.78500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 18.9357 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error -11.768 kHz</p> <p>x dB Bandwidth 18.778 MHz</p> |
| <p>802.11n-HT20-High</p> | <p>Agilent R T</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.82500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.5604 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error -15.374 kHz</p> <p>x dB Bandwidth 17.543 MHz</p> |

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| <p>802.11n-HT40-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.755 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/Offst 1 dB</p> <p>Center 5.755 GHz Span 80 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 37.4090 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error -39.004 kHz x dB Bandwidth 35.098 MHz</p> <p>Span 80.0000000 MHz</p> <p>Span Zoom</p> <p>Full Span</p> <p>Zero Span</p> <p>Last Span</p> <p>Zone ▶</p> |
| <p>802.11n-HT40-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.795 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.79500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/Offst 1 dB</p> <p>Center 5.795 GHz Span 80 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 35.6830 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error 11.096 kHz x dB Bandwidth 33.904 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ac-VH80</p> |  <p>Agilent R T</p> <p>Ch Freq 5.755 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.75500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/Offst 1 dB</p> <p>Center 5.755 GHz Span 160 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 16.58 ms (1001 pts)</p> <p>Occupied Bandwidth 74.9708 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error -99.710 kHz x dB Bandwidth 75.166 MHz</p> <p>Freq/Channel</p> <p>Center Freq 5.75500000 GHz</p> <p>Start Freq 5.67500000 GHz</p> <p>Stop Freq 5.83500000 GHz</p> <p>CF Step 16.0000000 MHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Scale Type Log Lin</p> |

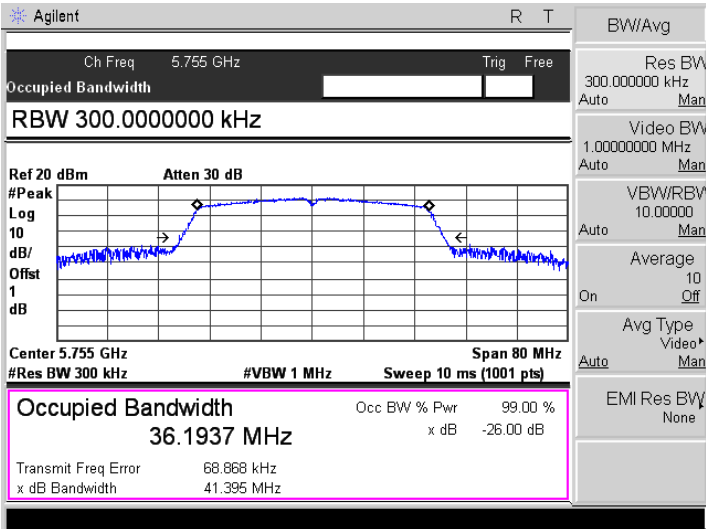
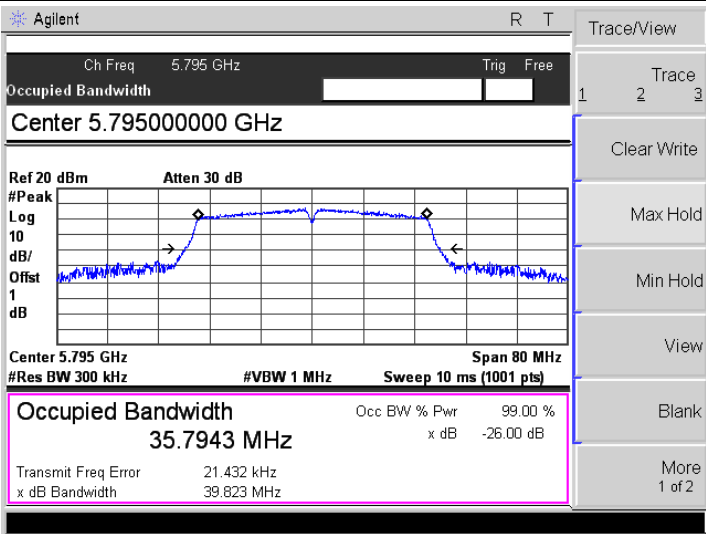
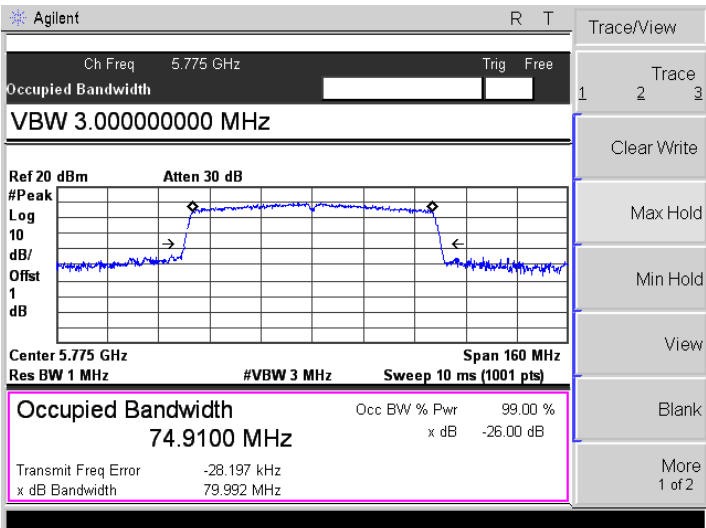
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|-----------------------------|--|
| <p>802.11ax-HE20-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/ Offst 1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 18.9332 MHz</p> <p>Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error -21.070 kHz</p> <p>x dB Bandwidth 18.600 MHz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/ Offst 1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 18.9461 MHz</p> <p>Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error -17.380 kHz</p> <p>x dB Bandwidth 18.732 MHz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/ Offst 1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 18.9559 MHz</p> <p>Occ BW % Pwr 99.00 % x dB -6.00 dB</p> <p>Transmit Freq Error -15.491 kHz</p> <p>x dB Bandwidth 18.714 MHz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

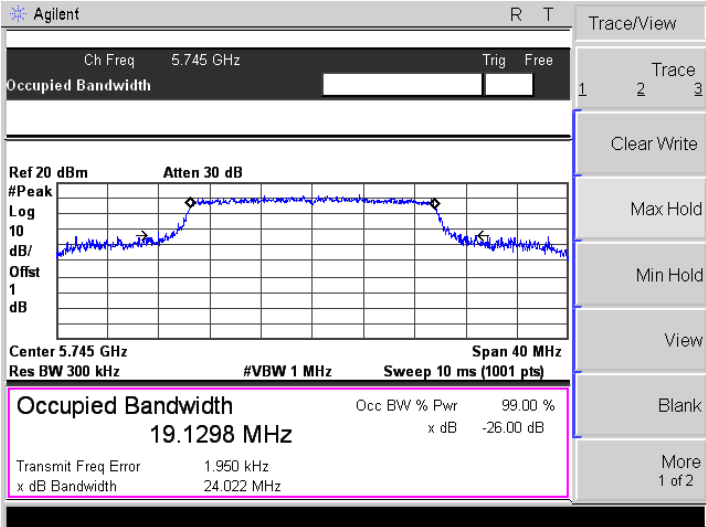
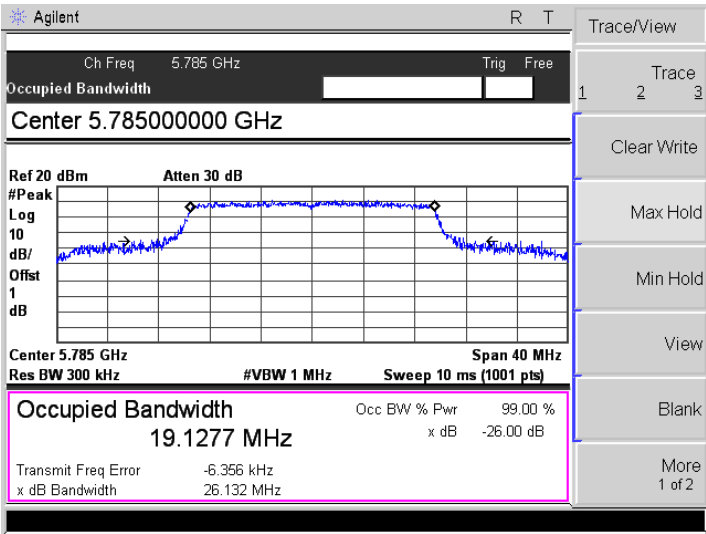
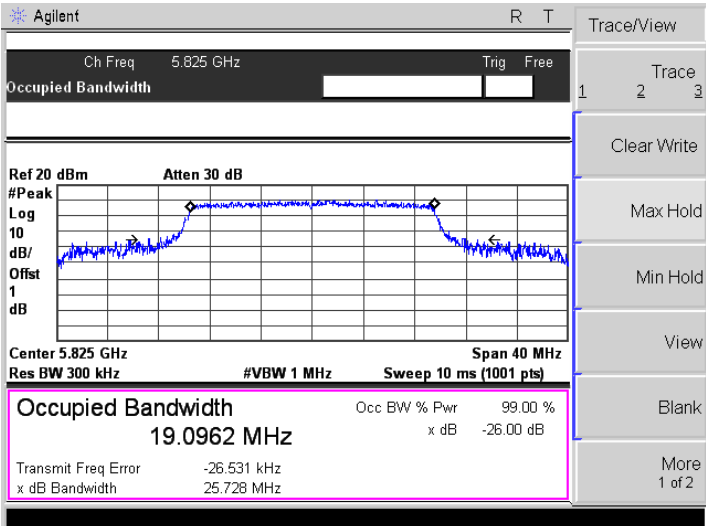
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|---------------------------|---|--------------------|--------------|---------|-------------|------|----------|---------------------|--|-------------|----------------|--|------------|
| <p>802.11ax-HE40-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.755 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Span 80.00000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.755 GHz Span 80 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>37.4724 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td></td> <td>-33.291 kHz</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td>35.069 MHz</td> </tr> </table> <p>Span</p> <p>Span 80.00000000 MHz</p> <p>Span Zoom</p> <p>Full Span</p> <p>Zero Span</p> <p>Last Span</p> <p>Zone ▶</p> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 37.4724 MHz | x dB | -6.00 dB | Transmit Freq Error | | -33.291 kHz | x dB Bandwidth | | 35.069 MHz |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | |
| 37.4724 MHz | x dB | -6.00 dB | | | | | | | | | | | |
| Transmit Freq Error | | -33.291 kHz | | | | | | | | | | | |
| x dB Bandwidth | | 35.069 MHz | | | | | | | | | | | |
| <p>802.11ax-HE40-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.795 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Span 80 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.795 GHz Span 80 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 10 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>37.4899 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td></td> <td>-29.646 kHz</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td>35.694 MHz</td> </tr> </table> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 37.4899 MHz | x dB | -6.00 dB | Transmit Freq Error | | -29.646 kHz | x dB Bandwidth | | 35.694 MHz |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | |
| 37.4899 MHz | x dB | -6.00 dB | | | | | | | | | | | |
| Transmit Freq Error | | -29.646 kHz | | | | | | | | | | | |
| x dB Bandwidth | | 35.694 MHz | | | | | | | | | | | |
| <p>802.11ax-HE80</p> |  <p>Agilent R T</p> <p>Ch Freq 5.755 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.75500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.755 GHz Span 160 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 16.58 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Occ BW % Pwr</td> <td>99.00 %</td> </tr> <tr> <td>76.4080 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>Transmit Freq Error</td> <td></td> <td>-93.280 kHz</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td>74.015 MHz</td> </tr> </table> <p>Freq/Channel</p> <p>Center Freq 5.75500000 GHz</p> <p>Start Freq 5.67500000 GHz</p> <p>Stop Freq 5.83500000 GHz</p> <p>CF Step 16.00000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Scale Type Log Lin</p> | Occupied Bandwidth | Occ BW % Pwr | 99.00 % | 76.4080 MHz | x dB | -6.00 dB | Transmit Freq Error | | -93.280 kHz | x dB Bandwidth | | 74.015 MHz |
| Occupied Bandwidth | Occ BW % Pwr | 99.00 % | | | | | | | | | | | |
| 76.4080 MHz | x dB | -6.00 dB | | | | | | | | | | | |
| Transmit Freq Error | | -93.280 kHz | | | | | | | | | | | |
| x dB Bandwidth | | 74.015 MHz | | | | | | | | | | | |

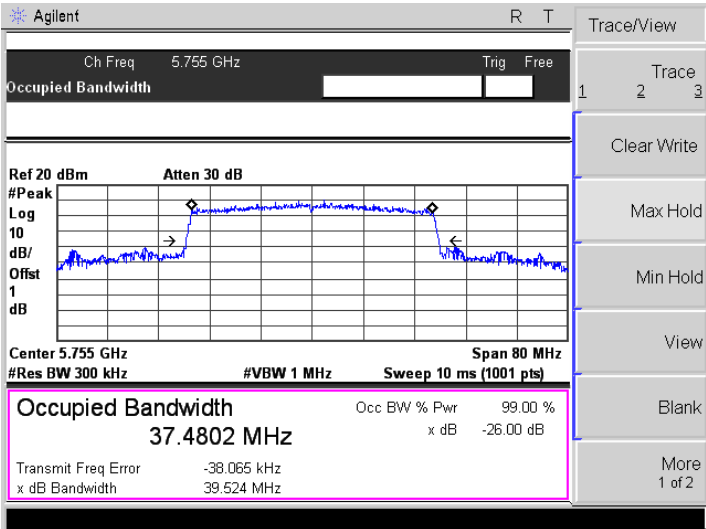
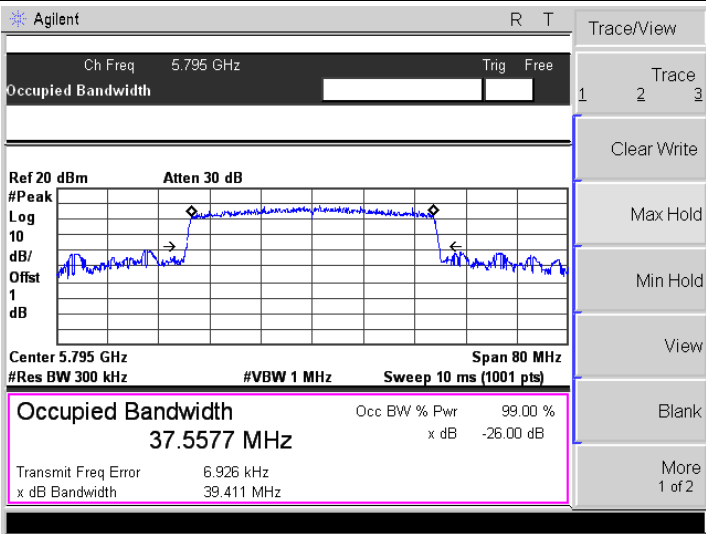
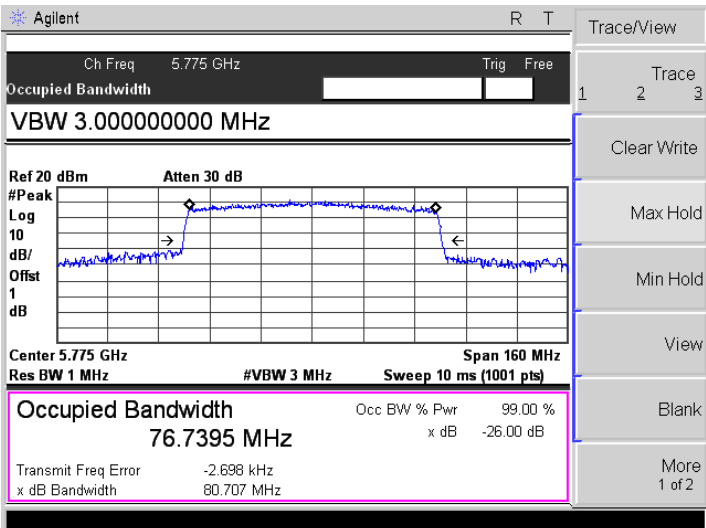
99%

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| <p>802.11a-Low</p> | <p>Agilent R T Trace/View Ch Freq 5.745 GHz Trig Free Occupied Bandwidth Center 5.74500000 GHz Ref 20 dBm Atten 30 dB #Peak Log 10 dB/Offst 1 dB Center 5.745 GHz Span 40 MHz Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts) Occupied Bandwidth Occ BW % Pwr 99.00 % 16.7741 MHz x dB -26.00 dB Transmit Freq Error -5.843 kHz x dB Bandwidth 20.608 MHz</p> |
| <p>802.11a-Middle</p> | <p>Agilent R T Trace/View Ch Freq 5.785 GHz Trig Free Occupied Bandwidth Center 5.78500000 GHz Ref 20 dBm Atten 30 dB #Peak Log 10 dB/Offst 1 dB Center 5.785 GHz Span 40 MHz Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts) Occupied Bandwidth Occ BW % Pwr 99.00 % 16.7591 MHz x dB -26.00 dB Transmit Freq Error -1.056 kHz x dB Bandwidth 20.218 MHz</p> |
| <p>802.11a-High</p> | <p>Agilent R T Marker Ch Freq 5.825 GHz Trig Free Occupied Bandwidth Center 5.825 GHz Ref 20 dBm Atten 30 dB #Peak Log 10 dB/Offst 1 dB Center 5.825 GHz Span 40 MHz Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts) Occupied Bandwidth Occ BW % Pwr 99.00 % 16.7527 MHz x dB -26.00 dB Transmit Freq Error -13.856 kHz x dB Bandwidth 20.208 MHz</p> |

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| <p>802.11n-HT20-Low</p> | <p>Agilent R T</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.74500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.7731 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -19.903 kHz</p> <p>x dB Bandwidth 20.615 MHz</p> |
| <p>802.11n-HT20-Middle</p> | <p>Agilent R T</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.78500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.8010 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -15.995 kHz</p> <p>x dB Bandwidth 20.616 MHz</p> |
| <p>802.11n-HT20-High</p> | <p>Agilent R T</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.82500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 17.7726 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -4.142 kHz</p> <p>x dB Bandwidth 20.587 MHz</p> |

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| <p>802.11n-HT40-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.755 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>RBW 300.000000 kHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.755 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth Occ BW % Pwr 99.00 %</p> <p>36.1937 MHz x dB -26.00 dB</p> <p>Transmit Freq Error 68.868 kHz</p> <p>x dB Bandwidth 41.395 MHz</p> <p>BW/Avg</p> <p>Res BW 300.000000 kHz Auto Man</p> <p>Video BW 1.0000000 MHz Auto Man</p> <p>VBW/RBW 10.00000 Auto Man</p> <p>Average 10 On Off</p> <p>Avg Type Video Auto Man</p> <p>EMI Res BW None</p> |
| <p>802.11n-HT40-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.795 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.79500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.795 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth Occ BW % Pwr 99.00 %</p> <p>35.7943 MHz x dB -26.00 dB</p> <p>Transmit Freq Error 21.432 kHz</p> <p>x dB Bandwidth 39.823 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ac-VH80</p> |  <p>Agilent R T</p> <p>Ch Freq 5.775 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>VBW 3.00000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log</p> <p>10 dB/</p> <p>Offst</p> <p>1 dB</p> <p>Center 5.775 GHz Span 160 MHz</p> <p>Res BW 1 MHz #VBW 3 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth Occ BW % Pwr 99.00 %</p> <p>74.9100 MHz x dB -26.00 dB</p> <p>Transmit Freq Error -28.197 kHz</p> <p>x dB Bandwidth 79.992 MHz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

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| <p>802.11ax-HE20-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 19.1298 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 1.950 kHz</p> <p>x dB Bandwidth 24.022 MHz</p> |
| <p>802.11ax-HE20-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Center 5.78500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 19.1277 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -6.356 kHz</p> <p>x dB Bandwidth 26.132 MHz</p> |
| <p>802.11ax-HE20-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak</p> <p>Log 10 dB/</p> <p>Offst 1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 19.0962 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -26.531 kHz</p> <p>x dB Bandwidth 25.728 MHz</p> |

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| <p>802.11ax-HE40-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.755 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 1 dB</p> <p>Center 5.755 GHz Span 80 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 37.4802 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -38.065 kHz x dB Bandwidth 39.524 MHz</p> |
| <p>802.11ax-HE40-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.795 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 1 dB</p> <p>Center 5.795 GHz Span 80 MHz #Res BW 300 kHz #VBW 1 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 37.5577 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 6.926 kHz x dB Bandwidth 39.411 MHz</p> |
| <p>802.11ax-HE80</p> |  <p>Agilent R T</p> <p>Ch Freq 5.775 GHz Trig Free</p> <p>Occupied Bandwidth</p> <p>VBW 3.000000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 1 dB</p> <p>Center 5.775 GHz Span 160 MHz Res BW 1 MHz #VBW 3 MHz Sweep 10 ms (1001 pts)</p> <p>Occupied Bandwidth 76.7395 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -2.698 kHz x dB Bandwidth 80.707 MHz</p> |

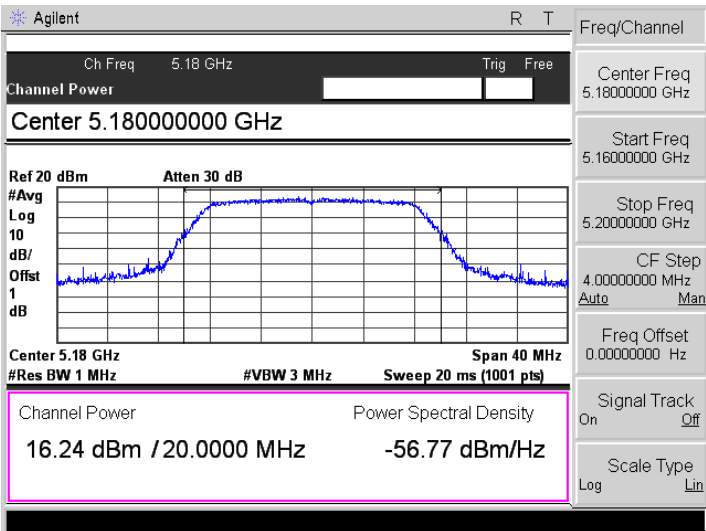
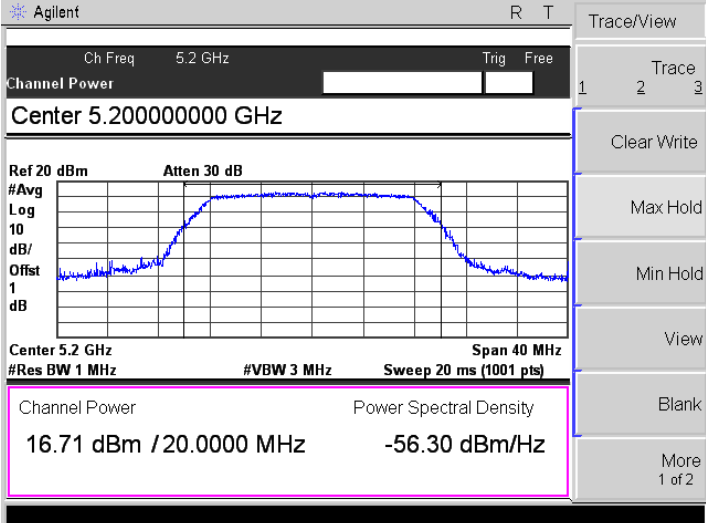
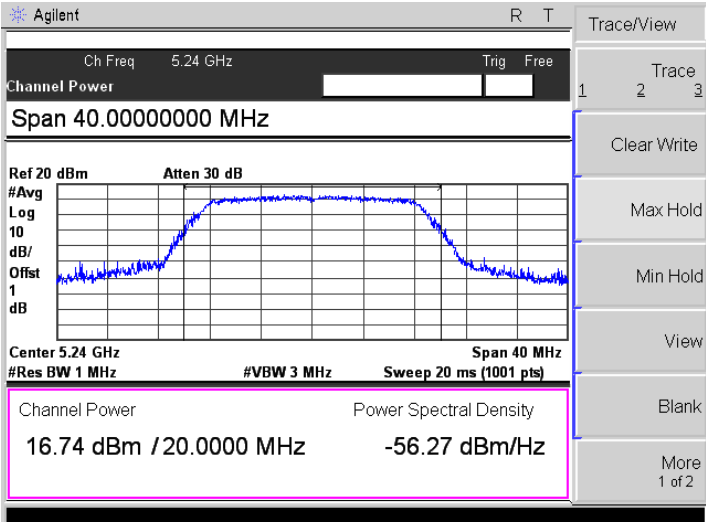
APPENDIX C**Maximum Conducted Output Power**

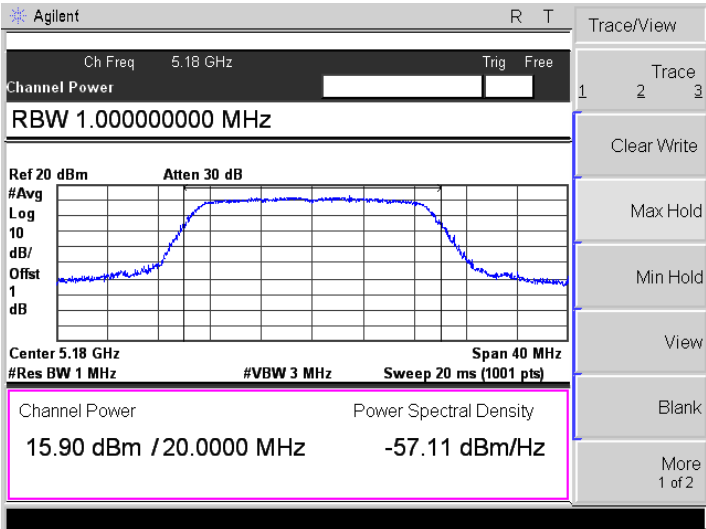
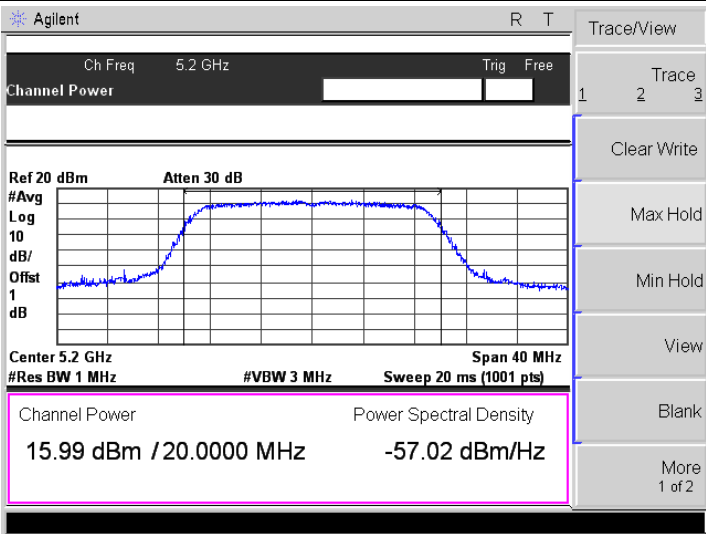
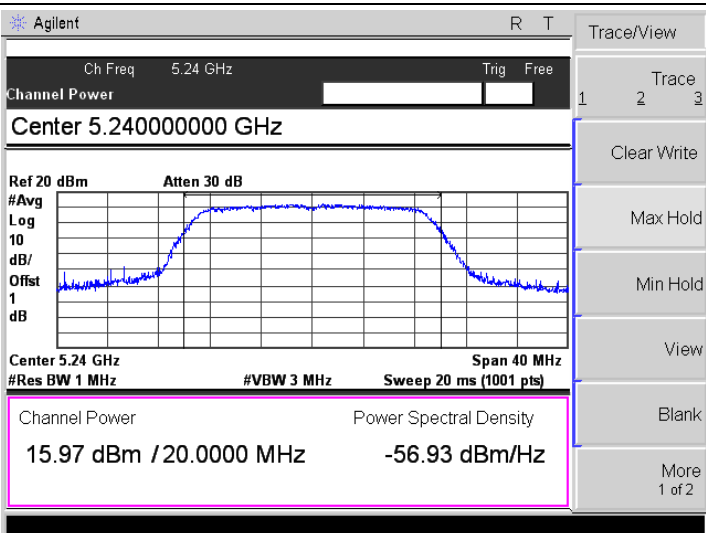
| U-NII-1:5150-5250MHz | | | | | |
|-----------------------------|------------------|------------------|-------|--------------|--------------|
| Test mode | Frequency MHz | Output Power dBm | | Total dBm | Limit dBm |
| | | ANT 0 | ANT 1 | | |
| 802.11a | 5180 | 16.24 | 16.32 | / | 23.63 |
| | 5200 | 16.71 | 16.37 | / | 23.63 |
| | 5240 | 16.74 | 15.22 | / | 23.63 |
| 802.11n-HT20 | 5180 | 15.90 | 16.04 | 18.98 | 23.63 |
| | 5200 | 15.99 | 15.36 | 18.70 | 23.63 |
| | 5240 | 15.97 | 14.72 | 18.40 | 23.63 |
| 802.11n-HT40 | 5190 | 15.64 | 15.62 | 18.64 | 23.63 |
| | 5230 | 15.98 | 14.80 | 18.44 | 23.63 |
| 802.11ac-VH80 | 5210 | 11.99 | 12.72 | 15.38 | 23.63 |
| 802.11ax-HE20 | 5180 | 15.81 | 16.31 | 19.08 | 23.63 |
| | 5200 | 16.03 | 15.45 | 18.76 | 23.63 |
| | 5240 | 16.05 | 14.93 | 18.54 | 23.63 |
| 802.11ax-HE40 | 5190 | 16.40 | 15.33 | 18.91 | 23.63 |
| | 5230 | 15.57 | 14.98 | 18.30 | 23.63 |
| 802.11ax-HE80 | 5210 | 11.03 | 12.08 | 14.60 | 23.63 |

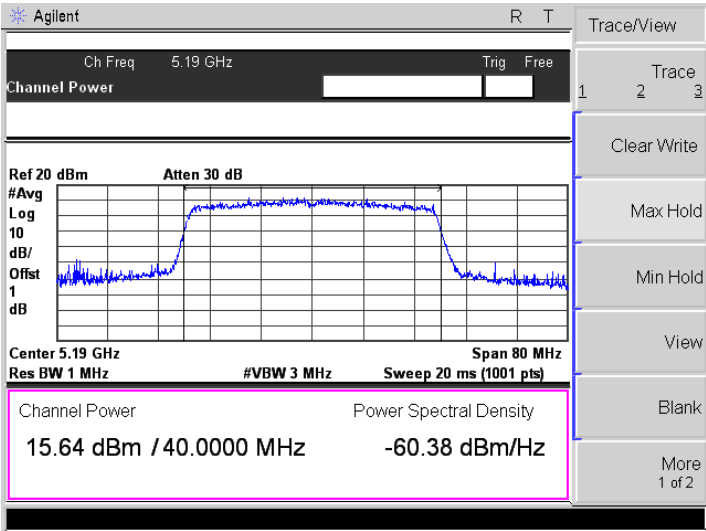
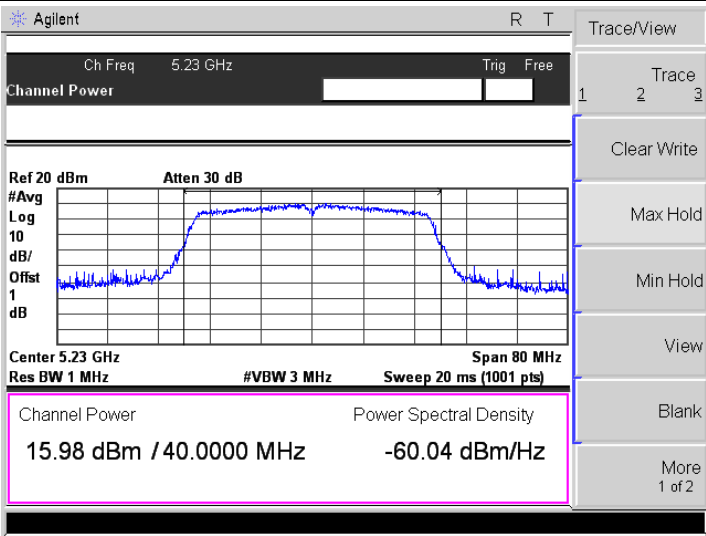
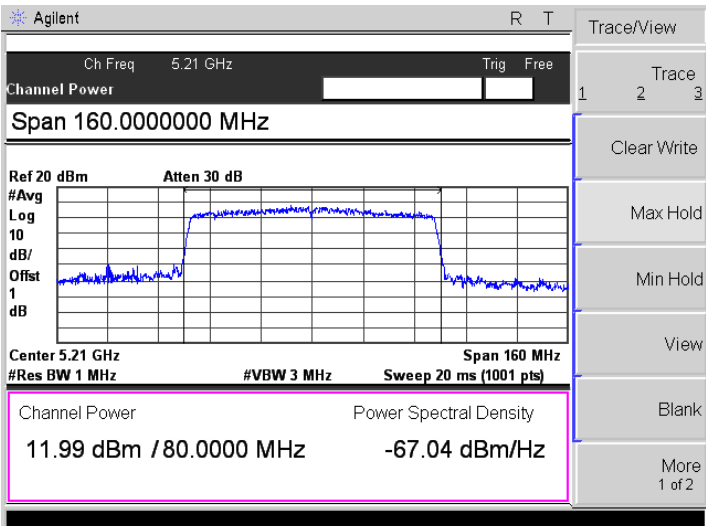
| U-NII-3: 5725-5850MHz | | | | | |
|------------------------------|------------------|------------------|-------|--------------|--------------|
| Test mode | Frequency MHz | Output Power dBm | | Total dBm | Limit dBm |
| | | ANT 0 | ANT 1 | | |
| 802.11a | 5745 | 15.37 | 15.85 | / | 29.65 |
| | 5785 | 15.23 | 16.88 | / | 29.65 |
| | 5825 | 14.06 | 16.62 | / | 29.65 |
| 802.11n-HT20 | 5745 | 15.42 | 16.75 | 19.15 | 29.65 |
| | 5785 | 14.26 | 16.74 | 18.68 | 29.65 |
| | 5825 | 13.70 | 16.16 | 18.11 | 29.65 |
| 802.11n-HT40 | 5755 | 14.41 | 16.35 | 18.50 | 29.65 |
| | 5795 | 13.83 | 15.97 | 18.04 | 29.65 |
| 802.11ac-VH80 | 5775 | 10.70 | 11.06 | 13.89 | 29.65 |
| 802.11ax-HE20 | 5745 | 14.76 | 16.50 | 18.73 | 29.65 |
| | 5785 | 14.49 | 16.57 | 18.66 | 29.65 |
| | 5825 | 13.55 | 16.42 | 18.23 | 29.65 |
| 802.11ax-HE40 | 5755 | 14.45 | 15.98 | 18.29 | 29.65 |
| | 5795 | 14.01 | 16.23 | 18.27 | 29.65 |
| 802.11ax HE80 | 5775 | 10.93 | 11.41 | 14.19 | 29.65 |

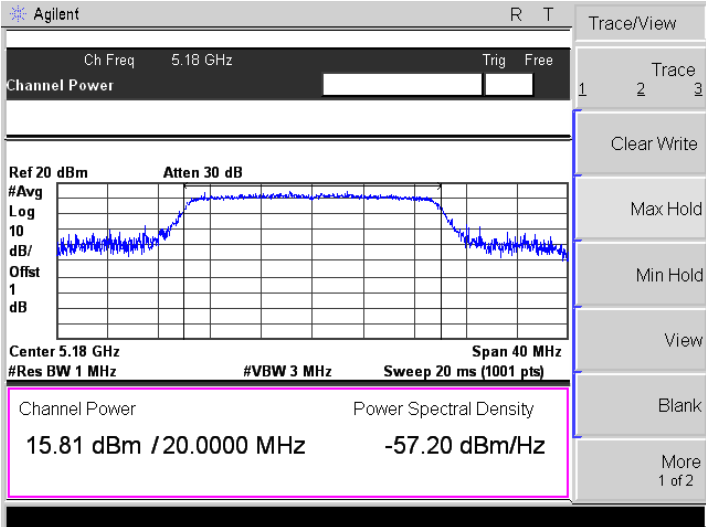
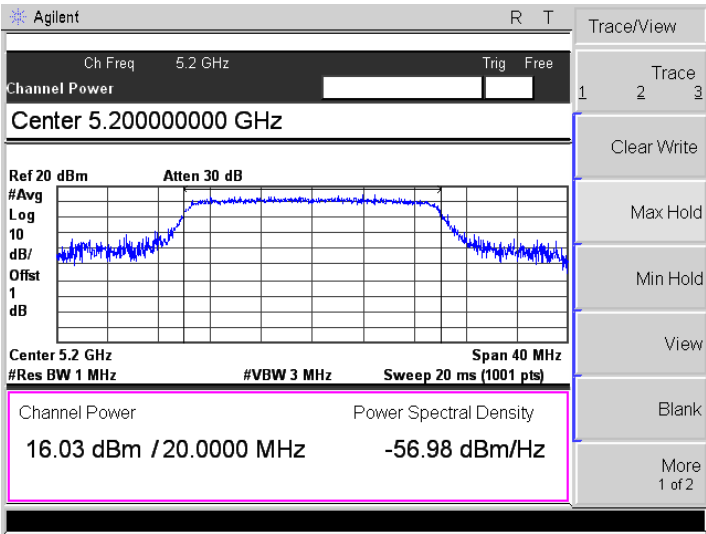
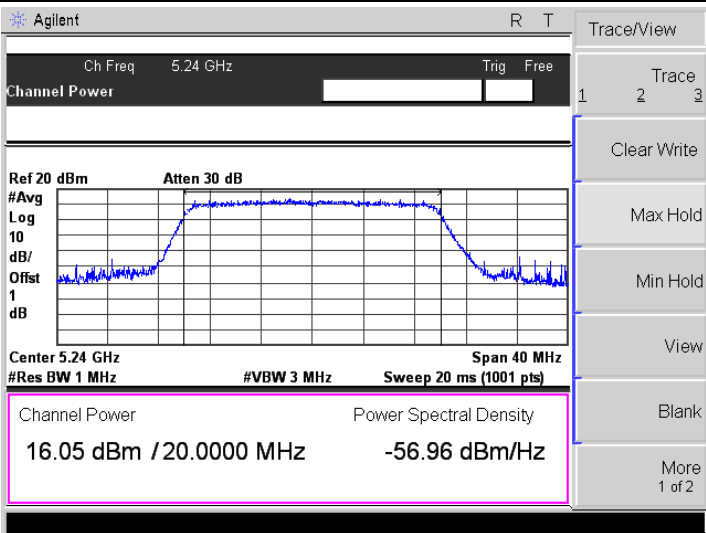
ANT 0

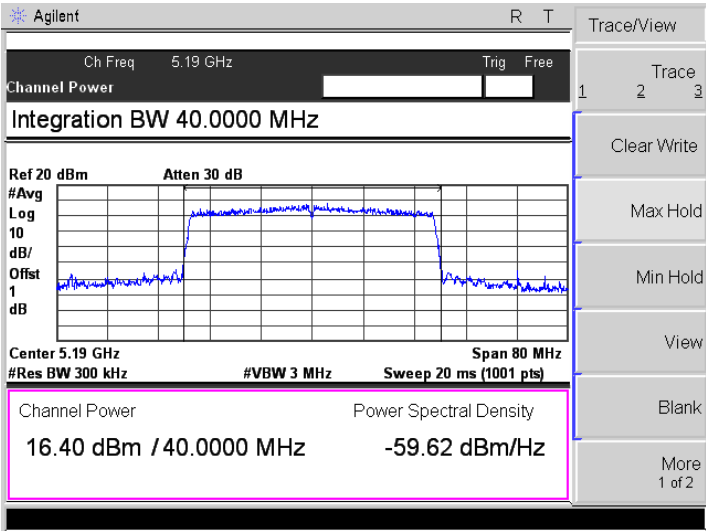
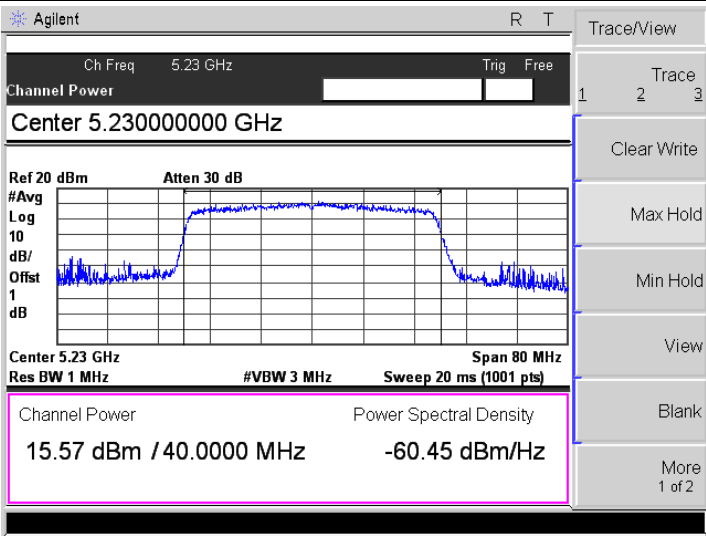
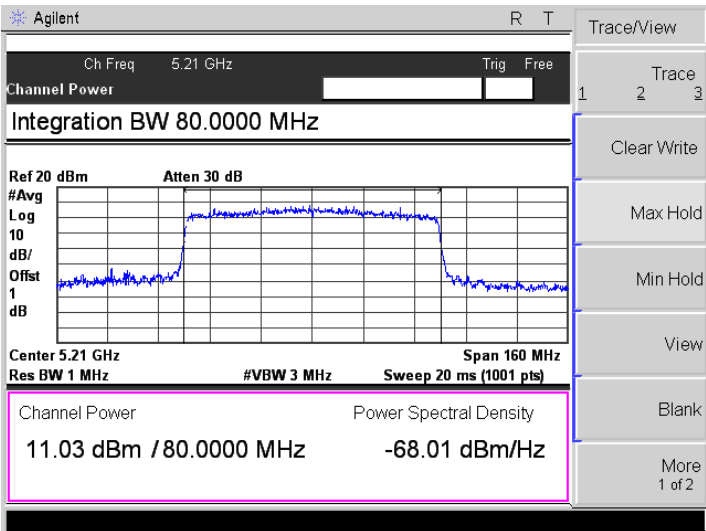
5150-5250MHz

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| <p>802.11a-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.18 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.18000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.18 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.24 dBm / 20.0000 MHz -56.77 dBm/Hz</p> <p>Freq/Channel</p> <p>Center Freq 5.18000000 GHz</p> <p>Start Freq 5.16000000 GHz</p> <p>Stop Freq 5.20000000 GHz</p> <p>CF Step 4.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Scale Type Log Lin</p> |
| <p>802.11a-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.2 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.20000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.2 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.71 dBm / 20.0000 MHz -56.30 dBm/Hz</p> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11a-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.24 GHz Trig Free</p> <p>Channel Power</p> <p>Span 40.00000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.24 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.74 dBm / 20.0000 MHz -56.27 dBm/Hz</p> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

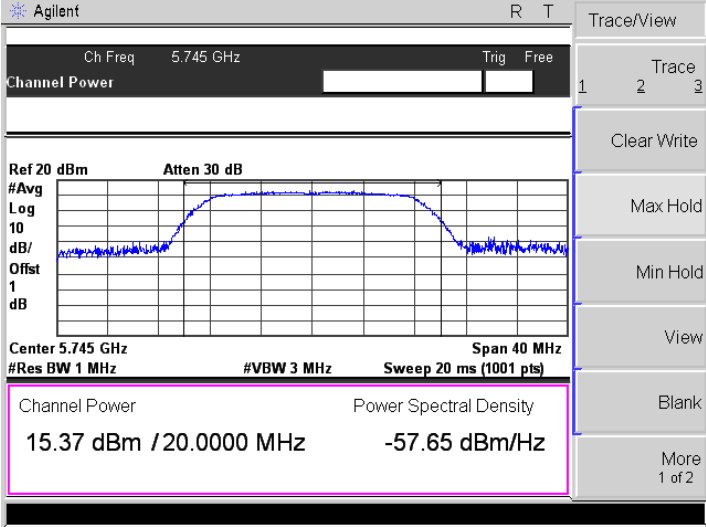
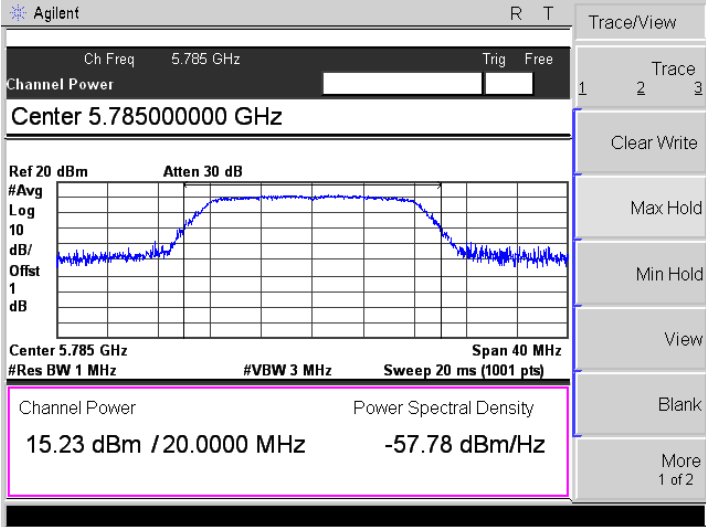
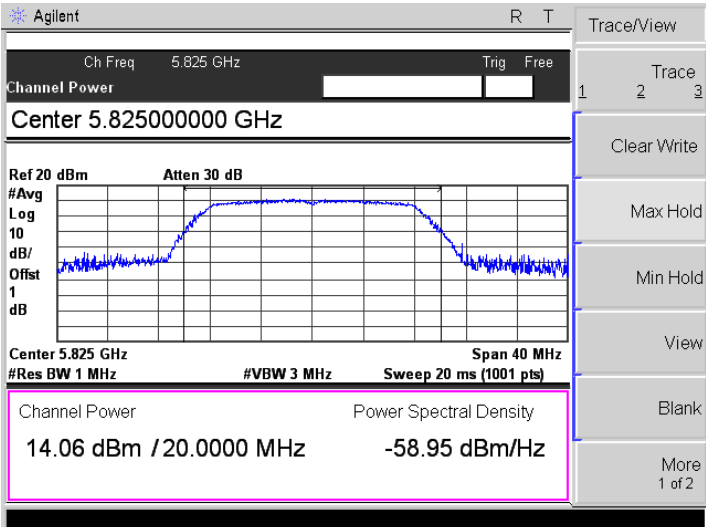
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|----------------------------|---|
| <p>802.11n-HT20-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.18 GHz Trig Free</p> <p>Channel Power</p> <p>RBW 1.000000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.18 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>15.90 dBm / 20.0000 MHz -57.11 dBm/Hz</p> <p>Trace/View</p> <p>1 2 3 Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11n-HT20-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.2 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.2 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>15.99 dBm / 20.0000 MHz -57.02 dBm/Hz</p> <p>Trace/View</p> <p>1 2 3 Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11n-HT20-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.24 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.240000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.24 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>15.97 dBm / 20.0000 MHz -56.93 dBm/Hz</p> <p>Trace/View</p> <p>1 2 3 Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

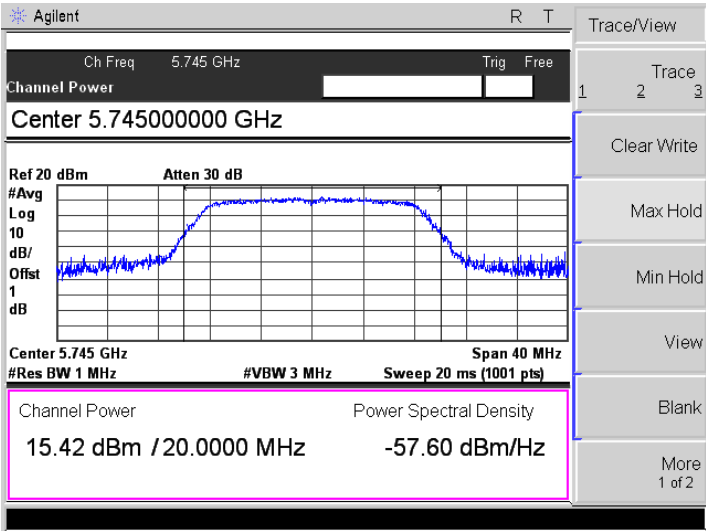
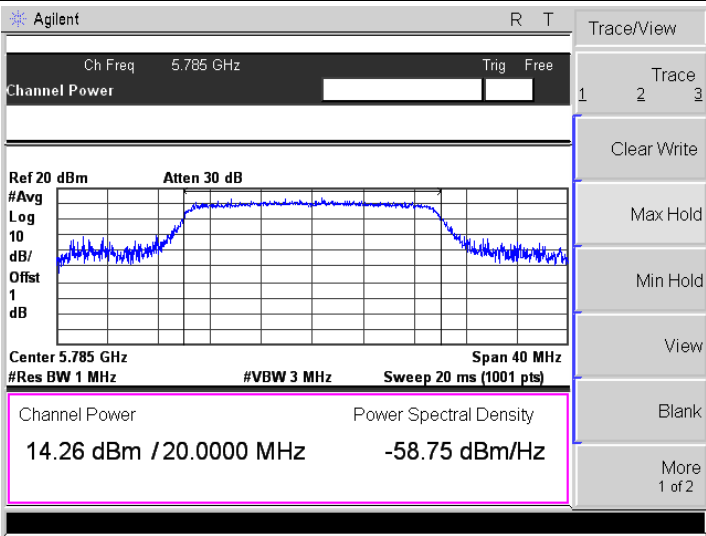
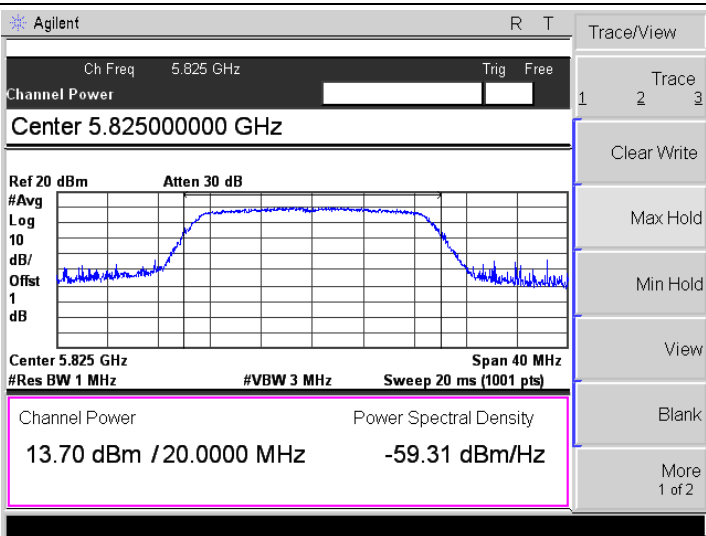
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|--------------------------|---|
| <p>802.11n-HT40-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.19 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.19 GHz Span 80 MHz</p> <p>Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>15.64 dBm / 40.0000 MHz -60.38 dBm/Hz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11n-HT40-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.23 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.23 GHz Span 80 MHz</p> <p>Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>15.98 dBm / 40.0000 MHz -60.04 dBm/Hz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ac-VH80</p> |  <p>Agilent R T</p> <p>Ch Freq 5.21 GHz Trig Free</p> <p>Channel Power</p> <p>Span 160.000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.21 GHz Span 160 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>11.99 dBm / 80.0000 MHz -67.04 dBm/Hz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

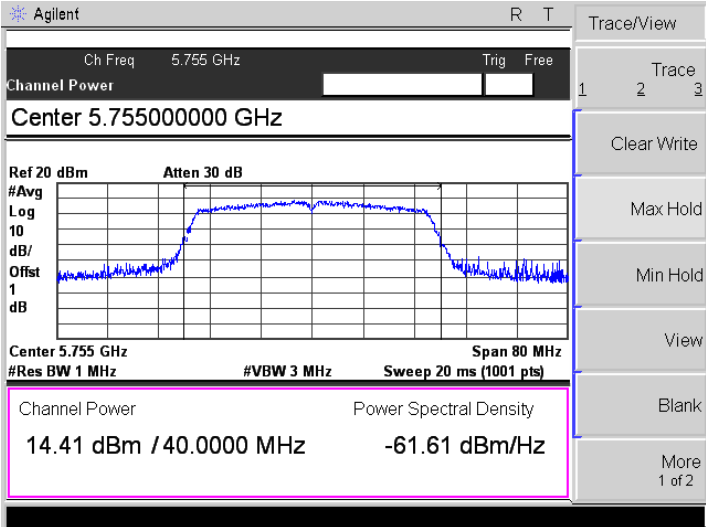
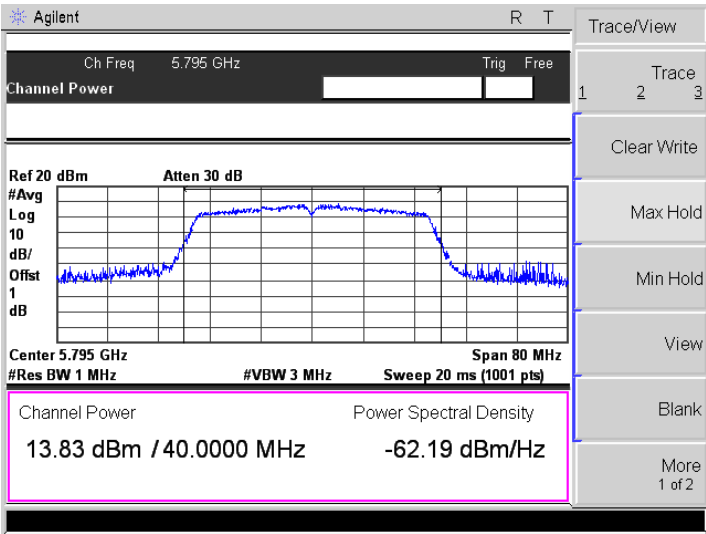
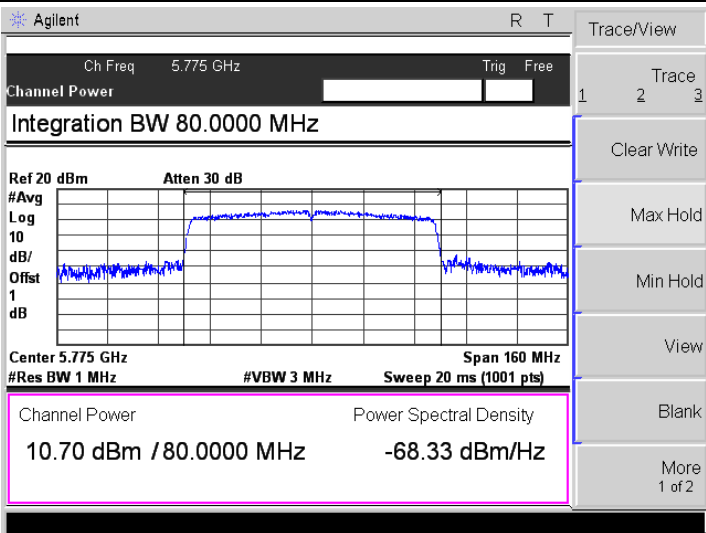
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|-----------------------------|---|
| <p>802.11ax-HE20-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.18 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.18 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>15.81 dBm / 20.0000 MHz -57.20 dBm/Hz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.2 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.20000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.2 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.03 dBm / 20.0000 MHz -56.98 dBm/Hz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.24 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.24 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.05 dBm / 20.0000 MHz -56.96 dBm/Hz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

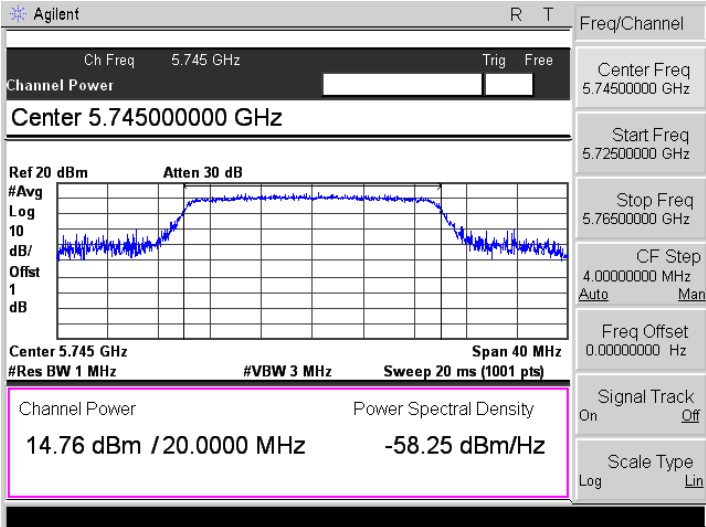
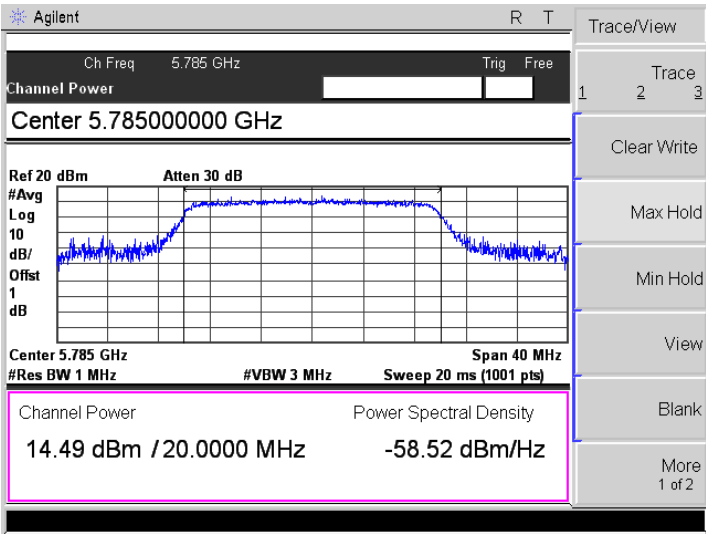
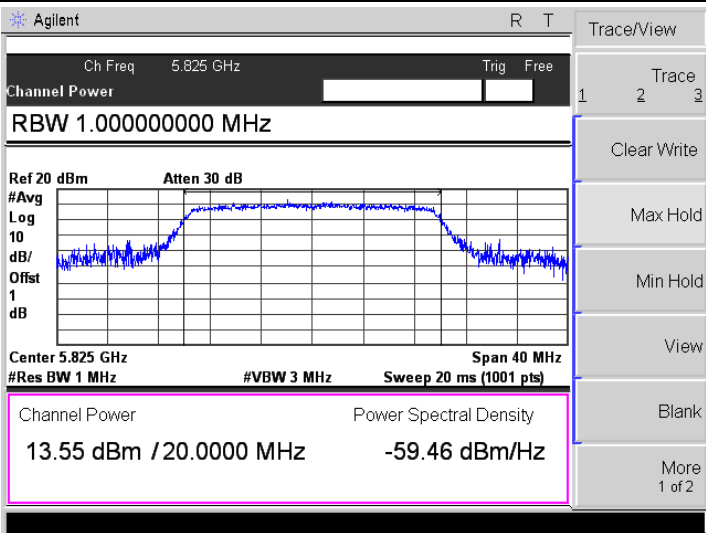
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|---------------------------|---|
| <p>802.11ax-HE40-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.19 GHz Trig Free</p> <p>Channel Power</p> <p>Integration BW 40.0000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.19 GHz Span 80 MHz</p> <p>#Res BW 300 kHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.40 dBm / 40.0000 MHz -59.62 dBm/Hz</p> |
| <p>802.11ax-HE40-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.23 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.23000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.23 GHz Span 80 MHz</p> <p>Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>15.57 dBm / 40.0000 MHz -60.45 dBm/Hz</p> |
| <p>802.11ax-HE80</p> |  <p>Agilent R T</p> <p>Ch Freq 5.21 GHz Trig Free</p> <p>Channel Power</p> <p>Integration BW 80.0000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.21 GHz Span 160 MHz</p> <p>Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>11.03 dBm / 80.0000 MHz -68.01 dBm/Hz</p> |

5725-5850MHz

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|-----------------------|---|
| <p>802.11a-Low</p> |  <p>Agilent R T Trace/View</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>15.37 dBm / 20.0000 MHz -57.65 dBm/Hz</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11a-Middle</p> |  <p>Agilent R T Trace/View</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.78500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>15.23 dBm / 20.0000 MHz -57.78 dBm/Hz</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11a-High</p> |  <p>Agilent R T Trace/View</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.82500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>14.06 dBm / 20.0000 MHz -58.95 dBm/Hz</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

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|----------------------------|--|
| <p>802.11n-HT20-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.74500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>15.42 dBm / 20.0000 MHz -57.60 dBm/Hz</p> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11n-HT20-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.785 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>14.26 dBm / 20.0000 MHz -58.75 dBm/Hz</p> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11n-HT20-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.82500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>13.70 dBm / 20.0000 MHz -59.31 dBm/Hz</p> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

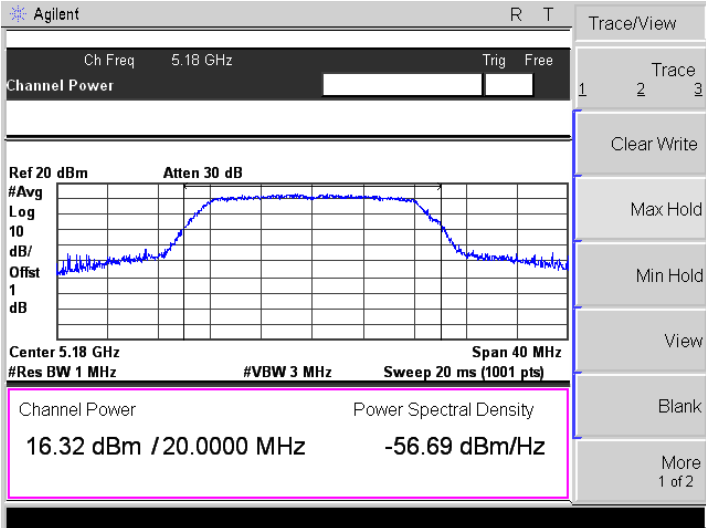
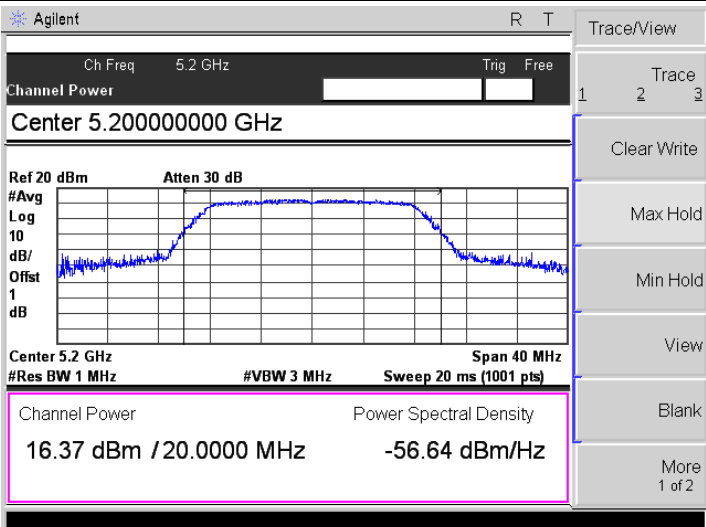
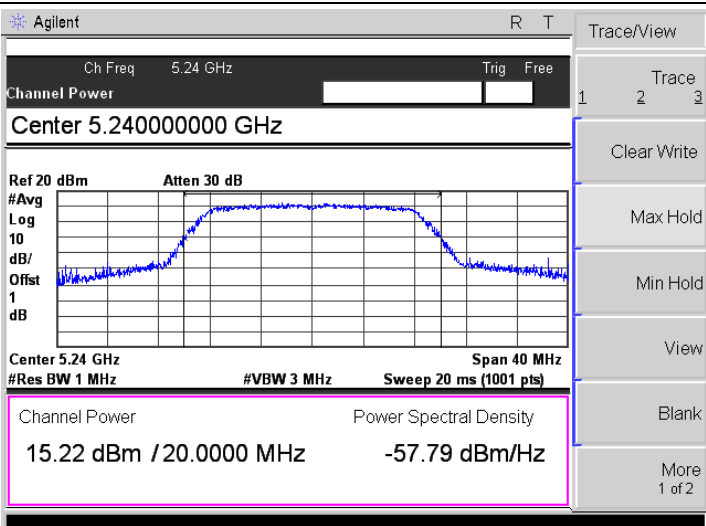
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| <p>802.11n-HT40-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.755 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.75500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log dB/Offst 1 dB</p> <p>Center 5.755 GHz Span 80 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <table border="1"> <tr> <td>Channel Power</td> <td>Power Spectral Density</td> </tr> <tr> <td>14.41 dBm / 40.0000 MHz</td> <td>-61.61 dBm/Hz</td> </tr> </table> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> | Channel Power | Power Spectral Density | 14.41 dBm / 40.0000 MHz | -61.61 dBm/Hz |
| Channel Power | Power Spectral Density | | | | |
| 14.41 dBm / 40.0000 MHz | -61.61 dBm/Hz | | | | |
| <p>802.11n-HT40-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.795 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.795 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log dB/Offst 1 dB</p> <p>Center 5.795 GHz Span 80 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <table border="1"> <tr> <td>Channel Power</td> <td>Power Spectral Density</td> </tr> <tr> <td>13.83 dBm / 40.0000 MHz</td> <td>-62.19 dBm/Hz</td> </tr> </table> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> | Channel Power | Power Spectral Density | 13.83 dBm / 40.0000 MHz | -62.19 dBm/Hz |
| Channel Power | Power Spectral Density | | | | |
| 13.83 dBm / 40.0000 MHz | -62.19 dBm/Hz | | | | |
| <p>802.11ac-VH80</p> |  <p>Agilent R T</p> <p>Ch Freq 5.775 GHz Trig Free</p> <p>Channel Power</p> <p>Integration BW 80.0000 MHz</p> <p>Center 5.775 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log dB/Offst 1 dB</p> <p>Center 5.775 GHz Span 160 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <table border="1"> <tr> <td>Channel Power</td> <td>Power Spectral Density</td> </tr> <tr> <td>10.70 dBm / 80.0000 MHz</td> <td>-68.33 dBm/Hz</td> </tr> </table> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> | Channel Power | Power Spectral Density | 10.70 dBm / 80.0000 MHz | -68.33 dBm/Hz |
| Channel Power | Power Spectral Density | | | | |
| 10.70 dBm / 80.0000 MHz | -68.33 dBm/Hz | | | | |

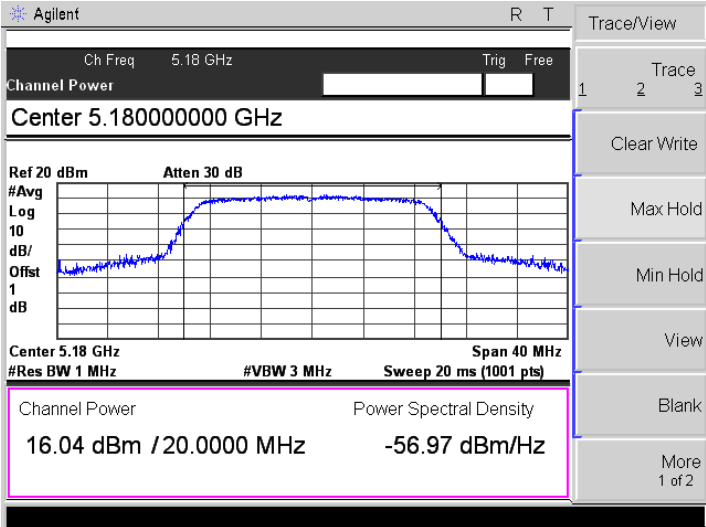
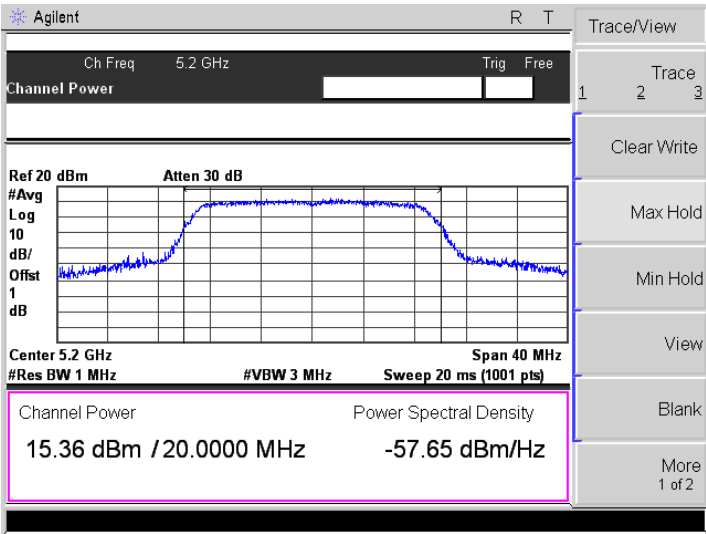
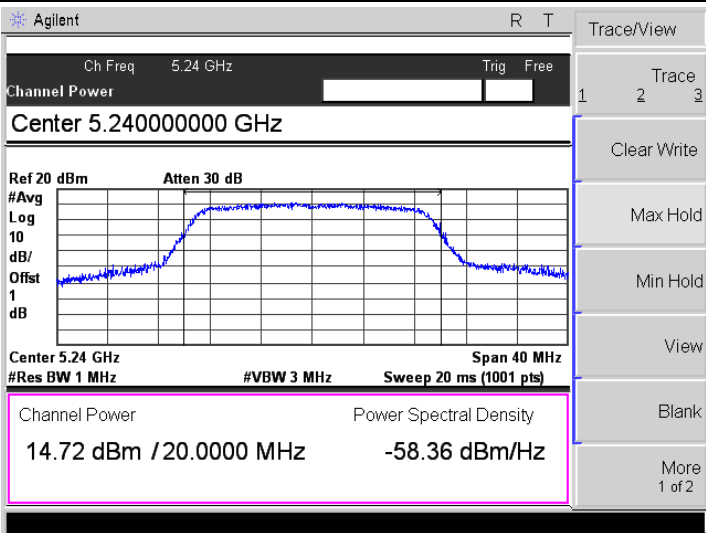
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|-----------------------------|--|
| <p>802.11ax-HE20-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.74500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg 10</p> <p>Log dB/</p> <p>Offst 1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>14.76 dBm / 20.0000 MHz -58.25 dBm/Hz</p> <p>Freq/Channel</p> <p>Center Freq 5.74500000 GHz</p> <p>Start Freq 5.72500000 GHz</p> <p>Stop Freq 5.76500000 GHz</p> <p>CF Step 4.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Scale Type Log Lin</p> |
| <p>802.11ax-HE20-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.78500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg 10</p> <p>Log dB/</p> <p>Offst 1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>14.49 dBm / 20.0000 MHz -58.52 dBm/Hz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Channel Power</p> <p>RBW 1.000000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg 10</p> <p>Log dB/</p> <p>Offst 1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>13.55 dBm / 20.0000 MHz -59.46 dBm/Hz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

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|---------------------------|---|
| <p>802.11ax-HE40-Low</p> | <p>Agilent R T</p> <p>Ch Freq 5.755 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.755 GHz Span 80 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>14.45 dBm / 40.0000 MHz -61.57 dBm/Hz</p> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE40-High</p> | <p>Agilent R T</p> <p>Ch Freq 5.795 GHz Trig Free</p> <p>Channel Power</p> <p>RBW 1.000000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.795 GHz Span 80 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>14.01 dBm / 40.0000 MHz -62.01 dBm/Hz</p> <p>BW/Avg</p> <p>Res BW 1.000000000 MHz Auto Man</p> <p>Video BW 3.000000000 MHz Auto Man</p> <p>VBW/RBW 10.00000 Auto Man</p> <p>Average 10 On Off</p> <p>Avg Type Pwr (RMS) Auto Man</p> <p>EMI Res BW None</p> |
| <p>802.11ax-HE80</p> | <p>Agilent R T</p> <p>Ch Freq 5.775 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.775 GHz Span 160 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>10.93 dBm / 80.0000 MHz -68.10 dBm/Hz</p> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

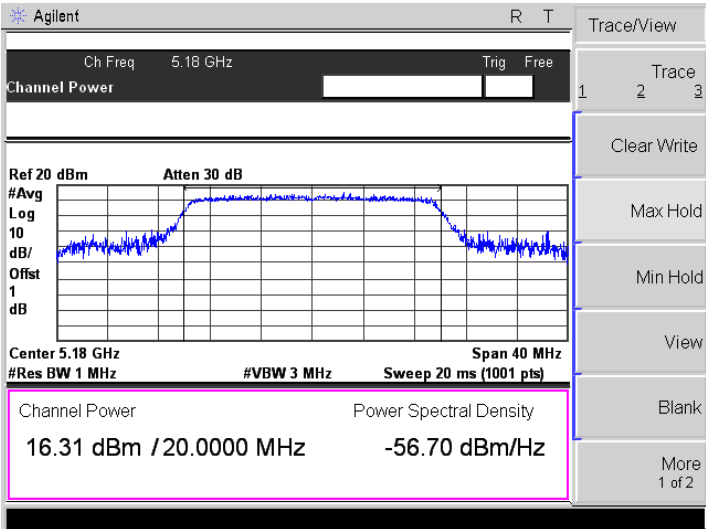
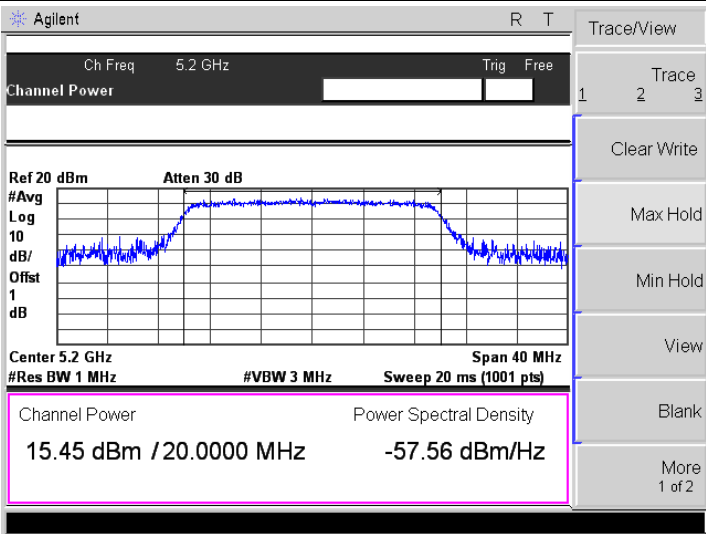
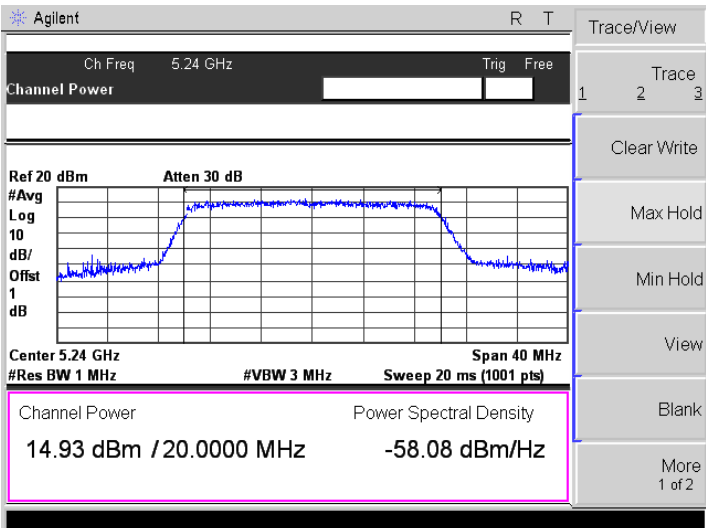
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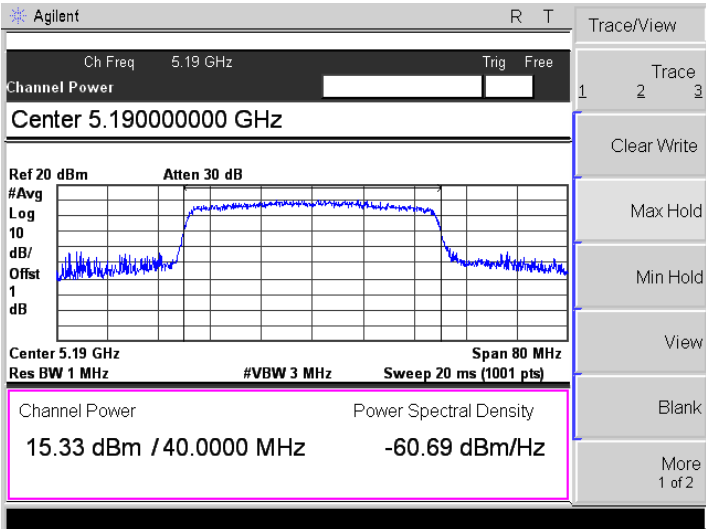
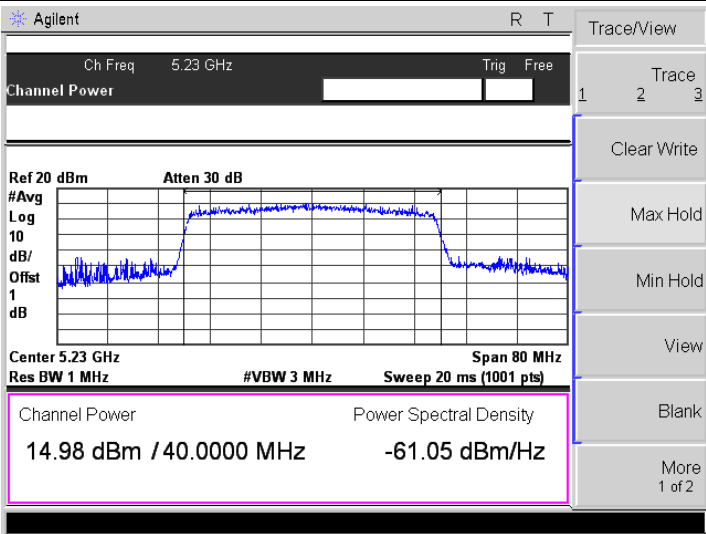
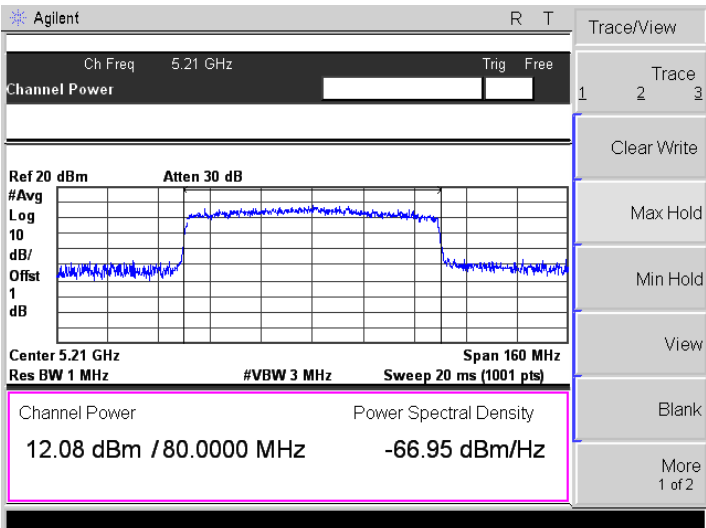
5150-5250MHz

| | |
|-----------------------|---|
| <p>802.11a-Low</p> |  <p>Agilent R T Trace/View</p> <p>Ch Freq 5.18 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.18 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.32 dBm / 20.0000 MHz -56.69 dBm/Hz</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11a-Middle</p> |  <p>Agilent R T Trace/View</p> <p>Ch Freq 5.2 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.20000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.2 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.37 dBm / 20.0000 MHz -56.64 dBm/Hz</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11a-High</p> |  <p>Agilent R T Trace/View</p> <p>Ch Freq 5.24 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.24000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.24 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>15.22 dBm / 20.0000 MHz -57.79 dBm/Hz</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

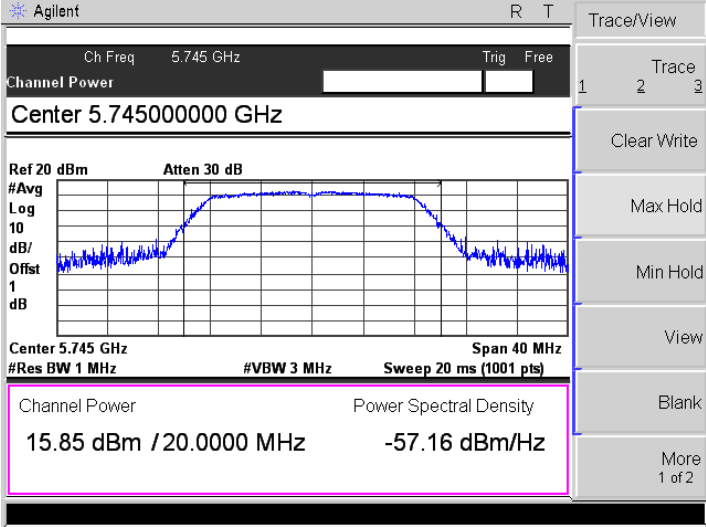
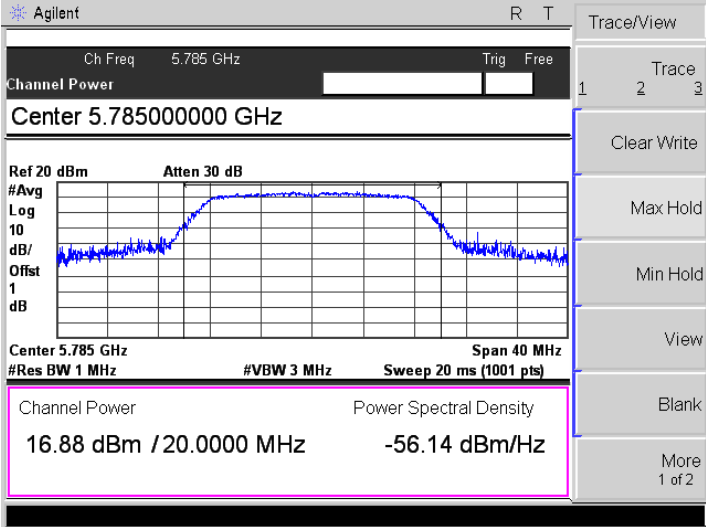
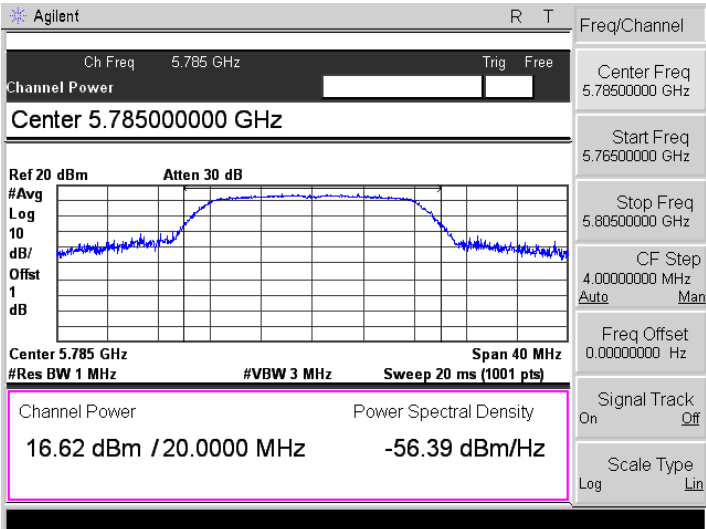
| | |
|----------------------------|--|
| <p>802.11n-HT20-Low</p> |  <p>Agilent Channel Power measurement for 802.11n-HT20-Low. The display shows a center frequency of 5.18 GHz and a channel power of 16.04 dBm / 20.0000 MHz. The Power Spectral Density is -56.97 dBm/Hz. The plot shows a signal centered at 5.18 GHz with a span of 40 MHz. The reference level is 20 dBm and the attenuation is 30 dB.</p> |
| <p>802.11n-HT20-Middle</p> |  <p>Agilent Channel Power measurement for 802.11n-HT20-Middle. The display shows a center frequency of 5.2 GHz and a channel power of 15.36 dBm / 20.0000 MHz. The Power Spectral Density is -57.65 dBm/Hz. The plot shows a signal centered at 5.2 GHz with a span of 40 MHz. The reference level is 20 dBm and the attenuation is 30 dB.</p> |
| <p>802.11n-HT20-High</p> |  <p>Agilent Channel Power measurement for 802.11n-HT20-High. The display shows a center frequency of 5.24 GHz and a channel power of 14.72 dBm / 20.0000 MHz. The Power Spectral Density is -58.36 dBm/Hz. The plot shows a signal centered at 5.24 GHz with a span of 40 MHz. The reference level is 20 dBm and the attenuation is 30 dB.</p> |

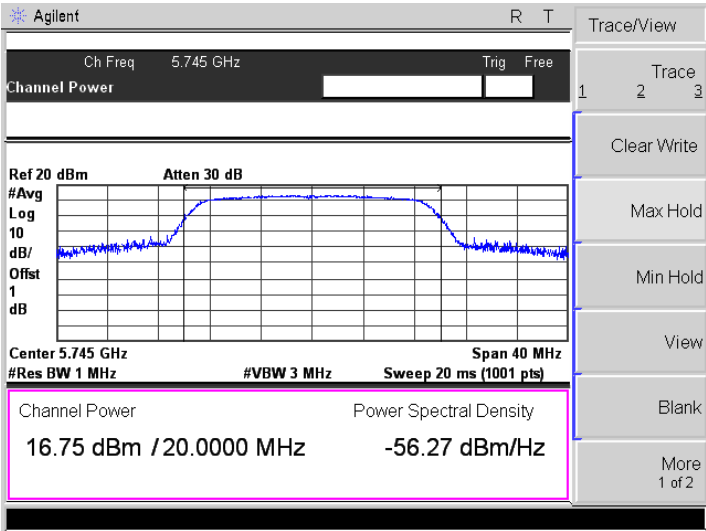
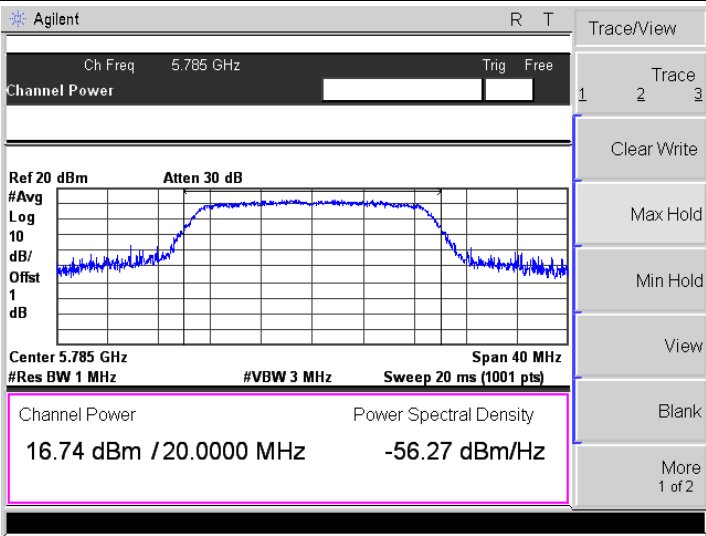
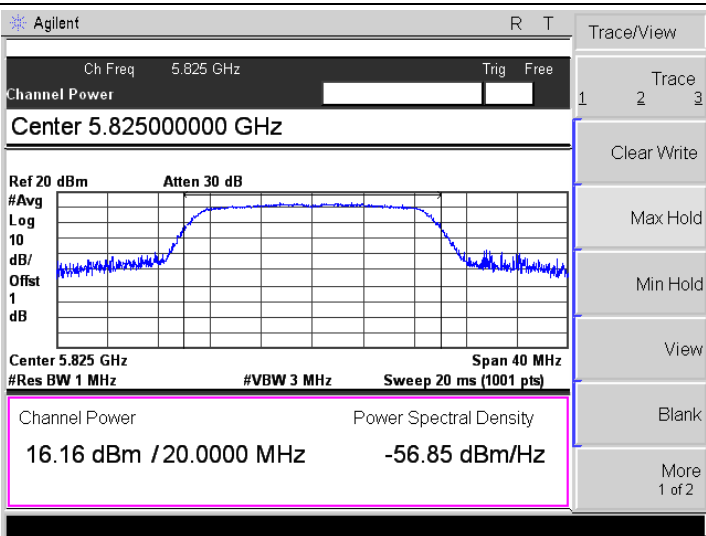
| | |
|--------------------------|---|
| <p>802.11n-HT40-Low</p> | <p>Agilent R T</p> <p>Ch Freq 5.19 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log dB/Offst 1 dB</p> <p>Center 5.19 GHz Span 80 MHz</p> <p>Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>15.62 dBm / 40.0000 MHz -60.40 dBm/Hz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11n-HT40-High</p> | <p>Agilent R T</p> <p>Ch Freq 5.23 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.23000000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log dB/Offst 1 dB</p> <p>Center 5.23 GHz Span 80 MHz</p> <p>Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>14.80 dBm / 40.0000 MHz -61.22 dBm/Hz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ac-VH80</p> | <p>Agilent R T</p> <p>Ch Freq 5.21 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log dB/Offst 1 dB</p> <p>Center 5.21 GHz Span 160 MHz</p> <p>Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>12.72 dBm / 80.0000 MHz -66.31 dBm/Hz</p> <p>Trace/View</p> <p>1 2 3</p> <p>Trace</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

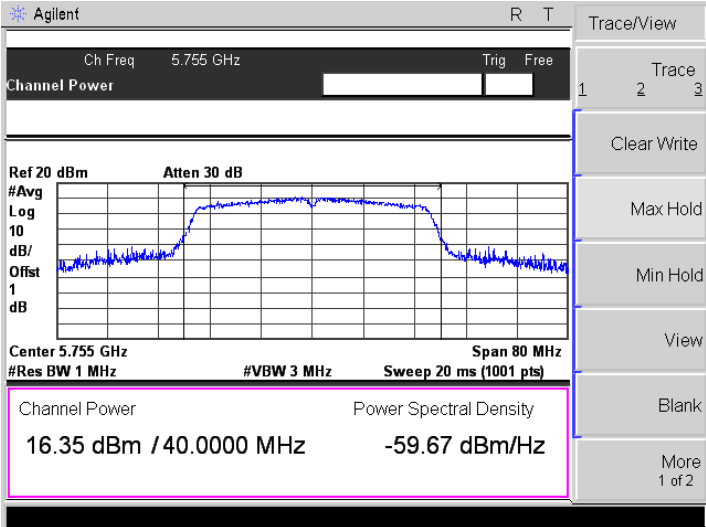
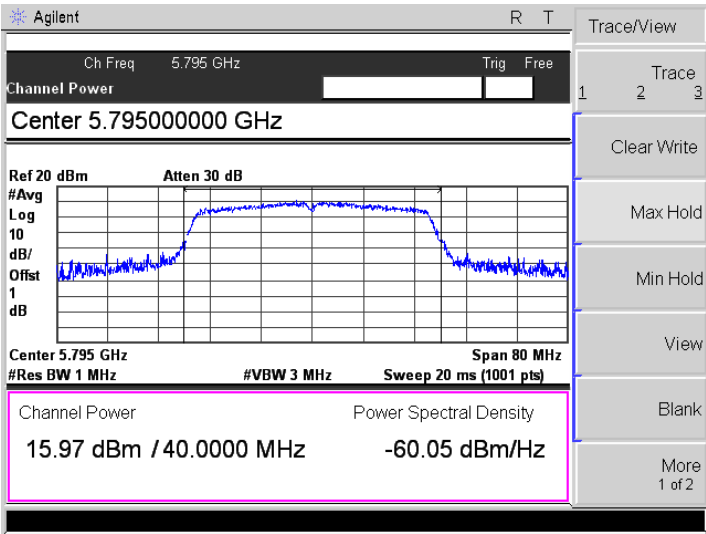
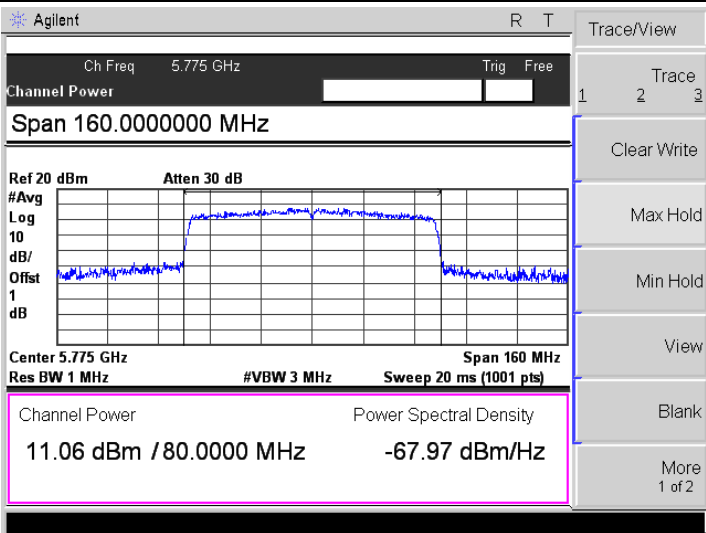
| | |
|-----------------------------|---|
| <p>802.11ax-HE20-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.18 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.18 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.31 dBm / 20.0000 MHz -56.70 dBm/Hz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.2 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.2 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>15.45 dBm / 20.0000 MHz -57.56 dBm/Hz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.24 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.24 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>14.93 dBm / 20.0000 MHz -58.08 dBm/Hz</p> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

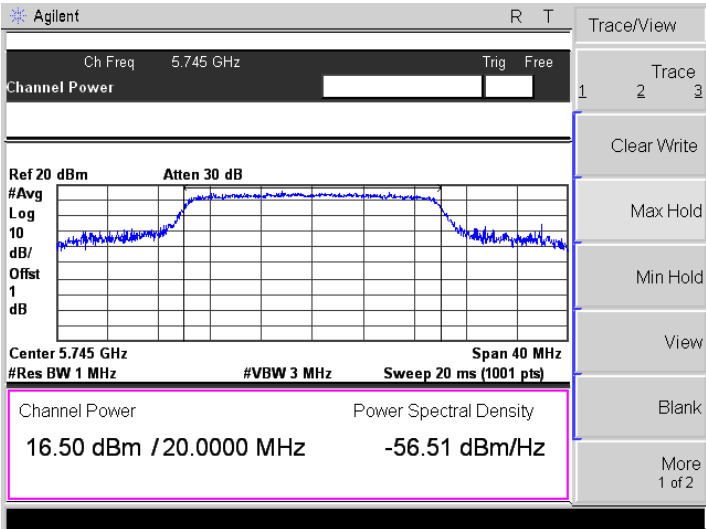
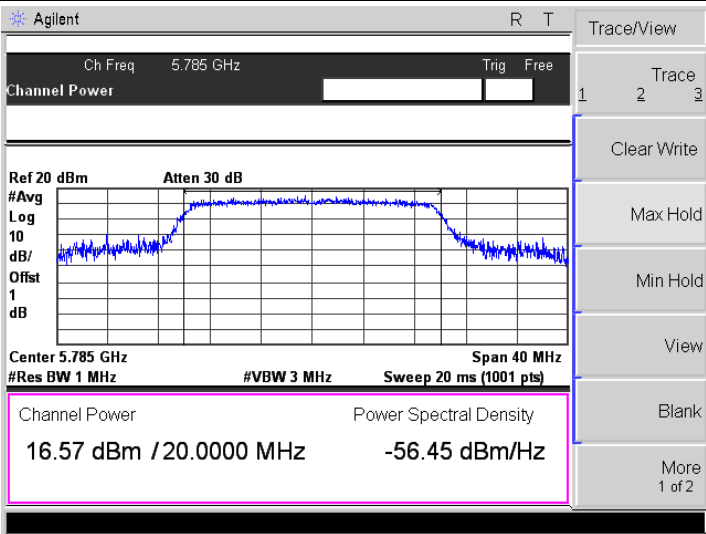
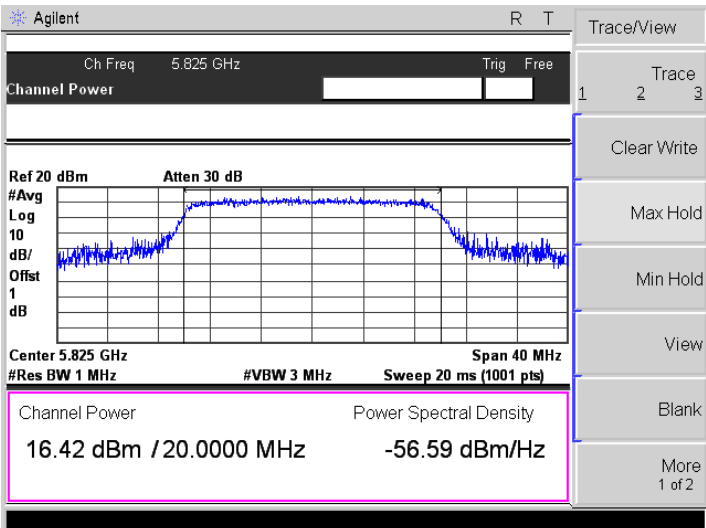
| | |
|---------------------------|--|
| <p>802.11ax-HE40-Low</p> |  |
| <p>802.11ax-HE40-High</p> |  |
| <p>802.11ax-HE80</p> |  |

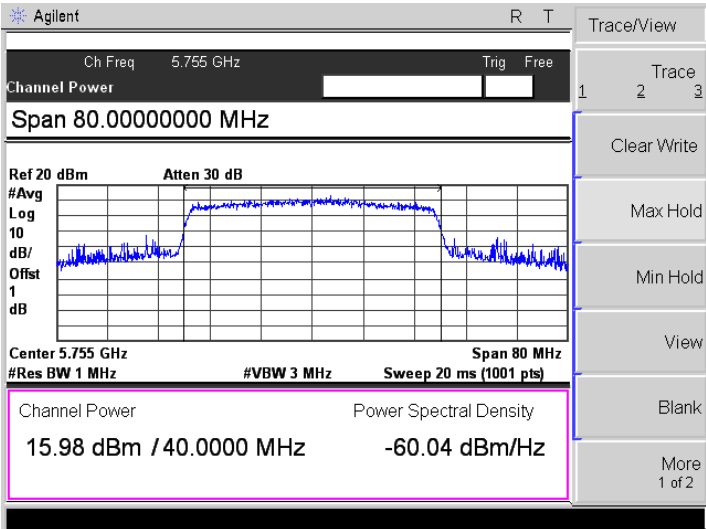
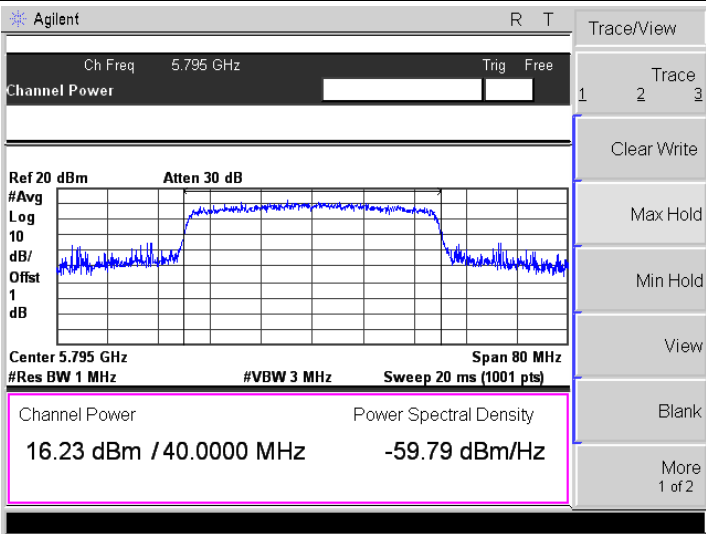
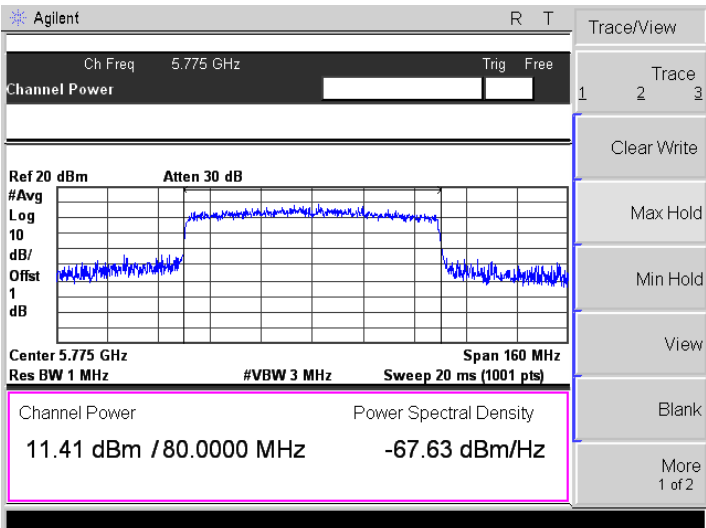
5725-5850MHz

| | |
|-----------------------|--|
| <p>802.11a-Low</p> |  |
| <p>802.11a-Middle</p> |  |
| <p>802.11a-High</p> |  |

| | |
|----------------------------|--|
| <p>802.11n-HT20-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.75 dBm / 20.0000 MHz -56.27 dBm/Hz</p> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11n-HT20-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.74 dBm / 20.0000 MHz -56.27 dBm/Hz</p> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11n-HT20-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.82500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.16 dBm / 20.0000 MHz -56.85 dBm/Hz</p> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

| | | | | | |
|--------------------------|---|---------------|------------------------|-------------------------|---------------|
| <p>802.11n-HT40-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.755 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log dB/Offst 1 dB</p> <p>Center 5.755 GHz Span 80 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <table border="1"> <tr> <td>Channel Power</td> <td>Power Spectral Density</td> </tr> <tr> <td>16.35 dBm / 40.0000 MHz</td> <td>-59.67 dBm/Hz</td> </tr> </table> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> | Channel Power | Power Spectral Density | 16.35 dBm / 40.0000 MHz | -59.67 dBm/Hz |
| Channel Power | Power Spectral Density | | | | |
| 16.35 dBm / 40.0000 MHz | -59.67 dBm/Hz | | | | |
| <p>802.11n-HT40-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.795 GHz Trig Free</p> <p>Channel Power</p> <p>Center 5.79500000 GHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log dB/Offst 1 dB</p> <p>Center 5.795 GHz Span 80 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <table border="1"> <tr> <td>Channel Power</td> <td>Power Spectral Density</td> </tr> <tr> <td>15.97 dBm / 40.0000 MHz</td> <td>-60.05 dBm/Hz</td> </tr> </table> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> | Channel Power | Power Spectral Density | 15.97 dBm / 40.0000 MHz | -60.05 dBm/Hz |
| Channel Power | Power Spectral Density | | | | |
| 15.97 dBm / 40.0000 MHz | -60.05 dBm/Hz | | | | |
| <p>802.11ac-VH80</p> |  <p>Agilent R T</p> <p>Ch Freq 5.775 GHz Trig Free</p> <p>Channel Power</p> <p>Span 160.000000 MHz</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log dB/Offst 1 dB</p> <p>Center 5.775 GHz Span 160 MHz</p> <p>Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <table border="1"> <tr> <td>Channel Power</td> <td>Power Spectral Density</td> </tr> <tr> <td>11.06 dBm / 80.0000 MHz</td> <td>-67.97 dBm/Hz</td> </tr> </table> <p>Trace/View</p> <p>1 Trace 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> | Channel Power | Power Spectral Density | 11.06 dBm / 80.0000 MHz | -67.97 dBm/Hz |
| Channel Power | Power Spectral Density | | | | |
| 11.06 dBm / 80.0000 MHz | -67.97 dBm/Hz | | | | |

| | |
|-----------------------------|---|
| <p>802.11ax-HE20-Low</p> |  <p>Agilent R T</p> <p>Ch Freq 5.745 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.745 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.50 dBm / 20.0000 MHz -56.51 dBm/Hz</p> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-Middle</p> |  <p>Agilent R T</p> <p>Ch Freq 5.785 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.785 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.57 dBm / 20.0000 MHz -56.45 dBm/Hz</p> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |
| <p>802.11ax-HE20-High</p> |  <p>Agilent R T</p> <p>Ch Freq 5.825 GHz Trig Free</p> <p>Channel Power</p> <p>Ref 20 dBm Atten 30 dB</p> <p>#Avg Log 10 dB/ Offst 1 dB</p> <p>Center 5.825 GHz Span 40 MHz</p> <p>#Res BW 1 MHz #VBW 3 MHz Sweep 20 ms (1001 pts)</p> <p>Channel Power Power Spectral Density</p> <p>16.42 dBm / 20.0000 MHz -56.59 dBm/Hz</p> <p>Trace/View</p> <p>Trace 1 2 3</p> <p>Clear Write</p> <p>Max Hold</p> <p>Min Hold</p> <p>View</p> <p>Blank</p> <p>More 1 of 2</p> |

| | |
|---------------------------|--|
| <p>802.11ax-HE40-Low</p> |  |
| <p>802.11ax-HE40-High</p> |  |
| <p>802.11ax-HE80</p> |  |

APPENDIX D**Frequency Stability****Antenna 0**

| U-NII-1:5150-5250MHz worst case at 802.11a middle channel | | | | |
|--|------------|-----------|--------------|-----------|
| Voltage(%) | Power(VDC) | TEMP(°C) | Freq.Dev(Hz) | Deviation |
| 100% | 12 | -30 | 1495 | 0.2875 |
| 100% | | -20 | 1291 | 0.2483 |
| 100% | | -10 | 1447 | 0.2783 |
| 100% | | 0 | 1341 | 0.2579 |
| 100% | | +10 | 1221 | 0.2348 |
| 100% | | +20 | 1514 | 0.2912 |
| 100% | | +30 | 1041 | 0.2002 |
| 100% | | +40 | 1565 | 0.3010 |
| 100% | | +50 | 1333 | 0.2563 |
| Low power | | 13.8 | +20 | 1555 |
| High power | 10.2 | +20 | 1495 | 0.2875 |

| U-NII-3:5725-5850MHz worst case at 802.11a middle channel | | | | |
|--|------------|-----------|--------------|-----------|
| Voltage(%) | Power(VDC) | TEMP(°C) | Freq.Dev(Hz) | Deviation |
| 100% | 12 | -30 | 1491 | 0.2577 |
| 100% | | -20 | 1290 | 0.2230 |
| 100% | | -10 | 1446 | 0.2500 |
| 100% | | 0 | 1336 | 0.2309 |
| 100% | | +10 | 1222 | 0.2112 |
| 100% | | +20 | 1509 | 0.2608 |
| 100% | | +30 | 1038 | 0.1794 |
| 100% | | +40 | 1560 | 0.2697 |
| 100% | | +50 | 1330 | 0.2299 |
| Low power | | 13.8 | +20 | 1559 |
| High power | 10.2 | +20 | 1501 | 0.2595 |

Antenna 1

| U-NII-1:5150-5250MHz worst case at 802.11a middle channel | | | | |
|--|------------|-----------|--------------|-----------|
| Voltage(%) | Power(VDC) | TEMP(°C) | Freq.Dev(Hz) | Deviation |
| 100% | 12 | -30 | 1496 | 0.2877 |
| 100% | | -20 | 1295 | 0.2490 |
| 100% | | -10 | 1447 | 0.2783 |
| 100% | | 0 | 1343 | 0.2583 |
| 100% | | +10 | 1227 | 0.2360 |
| 100% | | +20 | 1507 | 0.2898 |
| 100% | | +30 | 1041 | 0.2002 |
| 100% | | +40 | 1565 | 0.3010 |
| 100% | | +50 | 1329 | 0.2556 |
| Low power | | 13.8 | +20 | 1555 |
| High power | 10.2 | +20 | 1496 | 0.2877 |

| U-NII-3:5725-5850MHz worst case at 802.11a middle channel | | | | |
|--|------------|-----------|--------------|-----------|
| Voltage(%) | Power(VDC) | TEMP(°C) | Freq.Dev(Hz) | Deviation |
| 100% | 12 | -30 | 1495 | 0.2584 |
| 100% | | -20 | 1295 | 0.2239 |
| 100% | | -10 | 1450 | 0.2506 |
| 100% | | 0 | 1344 | 0.2323 |
| 100% | | +10 | 1221 | 0.2111 |
| 100% | | +20 | 1513 | 0.2615 |
| 100% | | +30 | 1039 | 0.1796 |
| 100% | | +40 | 1566 | 0.2707 |
| 100% | | +50 | 1329 | 0.2297 |
| Low power | | 13.8 | +20 | 1560 |
| High power | 10.2 | +20 | 1501 | 0.2595 |

APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

******* END OF REPORT *******