

# TEST REPORT

Reference No..... : WTH22X02020563W-1  
FCC ID ..... : 2AUZB-RAX1500  
Applicant ..... : SHENZHEN ZK TECHNOLOGY CO., LTD  
Address..... : SHENZHEN CITY LONGGANG DISTRICT STREETS QINGLIN ROAD  
SHENZHEN CITY STUDENTS (LONGGANG) BUSINESS PA... CHINA  
Manufacturer ..... : The same as Applicant  
Address..... : The same as Applicant  
Product Name ..... : Wireless Router  
Model No..... : RAX1500  
Standards ..... : FCC Part 15.407  
Date of Receipt sample .... : 2022-02-18  
Date of Test..... : 2022-02-18 to 2022-03-30  
Date of Issue ..... : 2022-03-30  
Test Report Form No. .... : WTX\_Part 15\_407W  
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 approver.

**Prepared By:**

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Report version

| Version No. | Date of issue | Description |
|-------------|---------------|-------------|
| Rev.00      | 2022-03-30    | Original    |
| /           | /             | /           |

## 1. GENERAL INFORMATION

---

### 1.1 Product Description for Equipment Under Test (EUT)

| General Description of EUT                                                                     |                                                                                      |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Product Name:                                                                                  | Wireless Router                                                                      |
| Trade Name:                                                                                    | HNK                                                                                  |
| Model No.:                                                                                     | RAX1500                                                                              |
| Adding Model(s):                                                                               | /                                                                                    |
| Rated Voltage:                                                                                 | DC12V                                                                                |
| Battery Capacity:                                                                              | /                                                                                    |
| Power Adapter:                                                                                 | MODEL:APS-M012120100W-G<br>INPUT: AC100-240, 50/60Hz, 0.35A Max<br>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: Antenna 0: 15.36dBm (Conducted)<br>Antenna 1:15.69dBm (Conducted)<br>5725-5850MHz: Antenna 0: 15.13dBm (Conducted)<br>Antenna 1: 14.78dBm (Conducted) |
| Type of Modulation:                                                                               | QPSK, 16QAM, 64QAM, 256QAM, 1024QAM                                                                                                                                 |
| Type of Antenna:                                                                                  | External Antenna                                                                                                                                                    |
| Antenna Gain:                                                                                     | 5dBi                                                                                                                                                                |
| <i>Note: The Antenna Gain is provided by the customer and can affect the validity of results.</i> |                                                                                                                                                                     |

## 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.

**KDB662911 D01 Multiple Transmitter Output v02r01:** Emissions Testing of Transmitters with Multiple Outputs in the Same Band.

**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

Run commands and follow the instructions given by the manufacturer, 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<br>6Mbps      | ANT 0 | 14                   | 14   | 14   | /    | /    | /    | /    | /    | /    | /    | 14  | 14  | 14   |
|                       | ANT 1 | 16                   | 16   | 16   | /    | /    | /    | /    | /    | /    | /    | 17  | 17  | 17   |
| 802.11n-HT20<br>MCS0  | ANT 0 | 14                   | 14   | 14   | /    | /    | /    | /    | /    | /    | /    | 14  | 14  | 14   |
|                       | ANT 1 | 16                   | 16   | 16   | /    | /    | /    | /    | /    | /    | /    | 17  | 17  | 17   |
| 802.11ax-HE20<br>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<br>MCS0  | ANT 0 | 14                   | 14   | /    | /    | /    | /    | /    | /    | /    | 14   | 14  |     |      |
|                       | ANT 1 | 16                   | 16   | /    | /    | /    | /    | /    | /    | /    | 17   | 17  |     |      |
| 802.11ax-HE40         | ANT 0 | 14                   | 14   | /    | /    | /    | /    | /    | /    | /    | 14   | 14  |     |      |

|                       |       |            |      |      |      |      |      |   |   |    |    |
|-----------------------|-------|------------|------|------|------|------|------|---|---|----|----|
| MCS0                  | ANT 1 | 16         | 16   | /    | /    | /    | /    | / | / | 17 | 17 |
| Mode                  | Ant.  | NCB: 80MHz |      |      |      |      |      |   |   |    |    |
|                       |       | 5210       | 5290 | 5530 | 5610 | 5690 | 5775 |   |   |    |    |
| 802.11ac-VH80<br>MCS0 | ANT 0 | 14         | /    | /    | /    | /    | 14   |   |   |    |    |
|                       | ANT 1 | 16         | /    | /    | /    | /    | 17   |   |   |    |    |
| 802.11ax-VE80<br>MCS0 | ANT 0 | 14         | /    | /    | /    | /    | 14   |   |   |    |    |
|                       | 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: All test modes (different data rate and different modulation) are performed, but only the worst case is recorded in this report. |               |                                                   |

| 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                   | 1.54       | Unshielded          | Without Ferrite        |
| RJ45 Cable                 | 1.00       | 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 |
| Notebook                             | Lenovo       | E445  | EB12648265    |

**1.8 Measurement Uncertainty**

| <b>Measurement uncertainty</b> |            |                                |
|--------------------------------|------------|--------------------------------|
| 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

### 2021 Equipment Calibration List

| 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-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                | /           | /          | /          |
| <input checked="" type="checkbox"/> Chamber A: Below 1GHz |                         |                 |                       |             |            |            |
| 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-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 |
| <input checked="" type="checkbox"/> Chamber A: Above 1GHz |                         |                 |                       |             |            |            |
| 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-1043                                                 | Amplifier               | C&D             | PAP-1G18              | 2002        | 2021-04-12 | 2022-04-11 |
| 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 |
| <input type="checkbox"/> Chamber B:Below 1GHz         |                          |                        |             |             |            |            |
| SEMT-1068                                             | Trilog Broadband Antenna | Schwarz beck           | VULB9163(B) | 9163-635    | 2021-04-09 | 2023-04-08 |
| SEMT-1067                                             | Amplifier                | Agilent                | 8447D       | 2944A10179  | 2021-04-12 | 2022-04-11 |
| SEMT-1066                                             | EMI Test Receiver        | Rohde & Schwarz        | ESPI        | 101391      | 2021-05-06 | 2022-05-05 |
| <input type="checkbox"/> Chamber C:Below 1GHz         |                          |                        |             |             |            |            |
| SEMT-1319                                             | EMI Test Receiver        | Rohde & Schwarz        | ESIB 26     | 100401      | 2021-12-03 | 2022-12-02 |
| SEMT-1343                                             | Trilog Broadband Antenna | Schwarz beck           | VULB 9168   | 1194        | 2021-05-28 | 2023-05-27 |
| SEMT-1333                                             | Amplifier                | HP                     | 8447F       | 2944A03869  | 2021-04-15 | 2022-04-14 |
| <input checked="" type="checkbox"/> Conducted Room 1# |                          |                        |             |             |            |            |
| SEMT-1001                                             | EMI Test Receiver        | Rohde & Schwarz        | ESPI        | 101611      | 2021-04-12 | 2022-04-11 |
| SEMT-1002                                             | Pulse Limiter            | Rohde & Schwarz        | ESH3-Z2     | 100911      | 2021-04-15 | 2022-04-14 |
| SEMT-1003                                             | AC LISN                  | Schwarz beck           | NSLK8126    | 8126-224    | 2021-04-12 | 2022-04-11 |
| <input type="checkbox"/> Conducted Room 2#            |                          |                        |             |             |            |            |
| SEMT-1334                                             | EMI Test Receiver        | Rohde & Schwarz        | ESPI        | 101259      | 2021-04-12 | 2022-04-11 |
| SEMT-1336                                             | LISN                     | Rohde & Schwarz        | ENV 216     | 100097      | 2021-04-12 | 2022-04-11 |

## 2022 Equipment Calibration List

| No.                                                       | Description             | Manufacturer           | Model                 | Serial No.  | Cal Date   | Due. Date  |
|-----------------------------------------------------------|-------------------------|------------------------|-----------------------|-------------|------------|------------|
| SEMT-1075                                                 | Communication Tester    | Rohde & Schwarz        | CMW500                | 148650      | 2022-03-22 | 2023-03-21 |
| SEMT-1063                                                 | GSM Tester              | Rohde & Schwarz        | CMU200                | 114403      | 2022-03-22 | 2023-03-21 |
| SEMT-1072                                                 | Spectrum Analyzer       | Agilent                | E4407B                | MY41440400  | 2022-03-25 | 2023-03-24 |
| SEMT-1079                                                 | Spectrum Analyzer       | Agilent                | N9020A                | US47140102  | 2022-03-22 | 2023-03-21 |
| SEMT-1080                                                 | Signal Generator        | Agilent                | 83752A                | 3610A01453  | 2022-03-22 | 2023-03-21 |
| SEMT-1081                                                 | Vector Signal Generator | Agilent                | N5182A                | MY47070202  | 2022-03-22 | 2023-03-21 |
| SEMT-1028                                                 | Power Divider           | Weinschel              | 1506A                 | PM204       | 2022-03-22 | 2023-03-21 |
| 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                | /           | /          | /          |
| <input checked="" type="checkbox"/> Chamber A: Below 1GHz |                         |                        |                       |             |            |            |
| SEMT-1031                                                 | Spectrum Analyzer       | Rohde & Schwarz        | FSP30                 | 836079/035  | 2022-03-22 | 2023-03-21 |
| SEMT-1007                                                 | EMI Test Receiver       | Rohde & Schwarz        | ESVB                  | 825471/005  | 2022-03-21 | 2023-03-20 |
| SEMT-1008                                                 | Amplifier               | Agilent                | 8447F                 | 3113A06717  | 2022-01-07 | 2023-01-06 |
| SEMT-1069                                                 | Loop Antenna            | Schwarz beck           | FMZB 1516             | 9773        | 2021-03-20 | 2023-03-19 |
| SEMT-1068                                                 | Broadband Antenna       | Schwarz beck           | VULB9163              | 9163-333    | 2021-03-20 | 2023-03-19 |
| <input checked="" type="checkbox"/> Chamber A: Above 1GHz |                         |                        |                       |             |            |            |
| SEMT-1031                                                 | Spectrum Analyzer       | Rohde & Schwarz        | FSP30                 | 836079/035  | 2022-03-22 | 2023-03-21 |
| SEMT-1007                                                 | EMI Test Receiver       | Rohde & Schwarz        | ESVB                  | 825471/005  | 2022-03-21 | 2023-03-20 |
| SEMT-1043                                                 | Amplifier               | C&D                    | PAP-1G18              | 2002        | 2022-03-21 | 2023-03-20 |
| 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     | 2022-03-22 | 2023-03-21 |
| <input type="checkbox"/> Chamber B:Below 1GHz         |                          |                 |             |            |            |            |
| SEMT-1068                                             | Trilog Broadband Antenna | Schwarz beck    | VULB9163(B) | 9163-635   | 2021-04-09 | 2023-04-08 |
| SEMT-1067                                             | Amplifier                | Agilent         | 8447D       | 2944A10179 | 2022-03-21 | 2023-03-20 |
| SEMT-1066                                             | EMI Test Receiver        | Rohde & Schwarz | ESPI        | 101391     | 2022-03-25 | 2023-03-24 |
| <input type="checkbox"/> Chamber C:Below 1GHz         |                          |                 |             |            |            |            |
| SEMT-1319                                             | EMI Test Receiver        | Rohde & Schwarz | ESIB 26     | 100401     | 2022-01-07 | 2023-01-06 |
| SEMT-1343                                             | Trilog Broadband Antenna | Schwarz beck    | VULB 9168   | 1194       | 2021-05-28 | 2023-05-27 |
| SEMT-1333                                             | Amplifier                | HP              | 8447F       | 2944A03869 | 2022-03-21 | 2023-03-20 |
| <input checked="" type="checkbox"/> Conducted Room 1# |                          |                 |             |            |            |            |
| SEMT-1001                                             | EMI Test Receiver        | Rohde & Schwarz | ESPI        | 101611     | 2022-03-21 | 2023-03-20 |
| SEMT-1002                                             | Pulse Limiter            | Rohde & Schwarz | ESH3-Z2     | 100911     | 2022-03-25 | 2023-03-24 |
| SEMT-1003                                             | AC LISN                  | Schwarz beck    | NSLK8126    | 8126-224   | 2022-03-21 | 2023-03-20 |
| <input type="checkbox"/> Conducted Room 2#            |                          |                 |             |            |            |            |
| SEMT-1334                                             | EMI Test Receiver        | Rohde & Schwarz | ESPI        | 101259     | 2022-03-21 | 2023-03-20 |
| SEMT-1336                                             | LISN                     | Rohde & Schwarz | ENV 216     | 100097     | 2022-03-21 | 2023-03-20 |

| 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

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| 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**

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#### **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 permanently attached External antennas, fulfill the requirement of this section. And the signals at the antennas are completely uncorrelated.



## **4. Automatically Discontinue Transmission**

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### **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

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### 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  $< 500\text{kHz}$ ) and integrated over 1 MHz, or 500kHz bandwidth, the following adjustments to the procedures apply:

- a) Set  $\text{RBW} \geq 1/T$ , where  $T$  is defined in section II.B.1.a).
- b) Set  $\text{VBW} \geq 3 \text{ RBW}$ .
- c) If measurement bandwidth of Maximum PSD is specified in 500kHz, add  $10\log(500\text{kHz}/\text{RBW})$  to the measured result, whereas  $\text{RBW} (< 500\text{kHz})$  is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1MHz, add  $10\log(1\text{MHz}/\text{RBW})$  to the measured result, whereas  $\text{RBW} (< 1\text{MHz})$  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  $\text{RBW}=100\text{kHz}$  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

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### 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)  $\geq 3 \times \text{RBW}$ .
- 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  $\geq 3 * \text{RBW}$
- 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

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### 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.)

- (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

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### 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:

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

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.

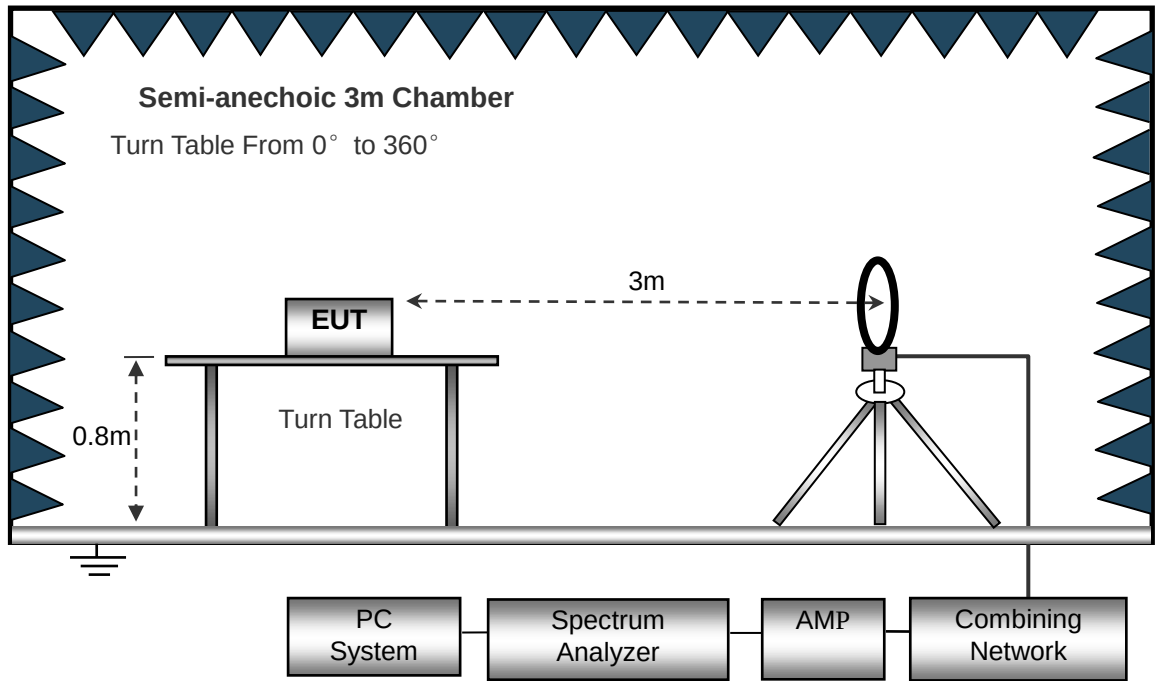
### 8.2 Test Procedure

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..

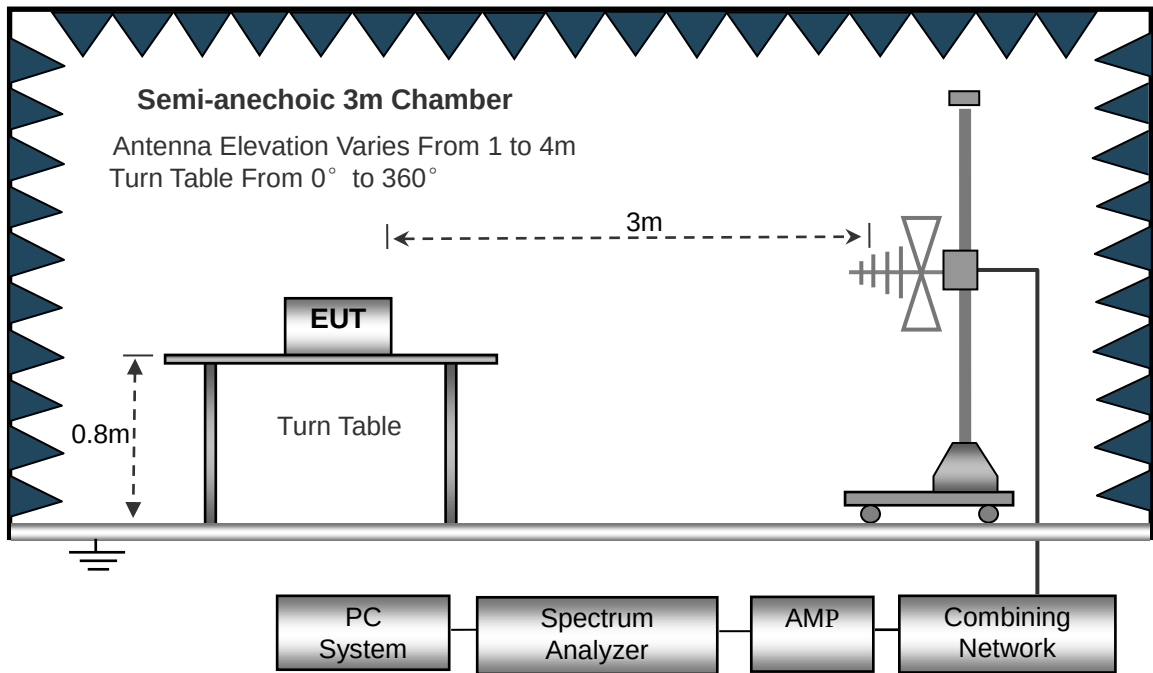
The external I/O cables were draped along the test table and formed a bundle 30 to 40cm long in the middle.

The spacing between the peripherals was 10cm.

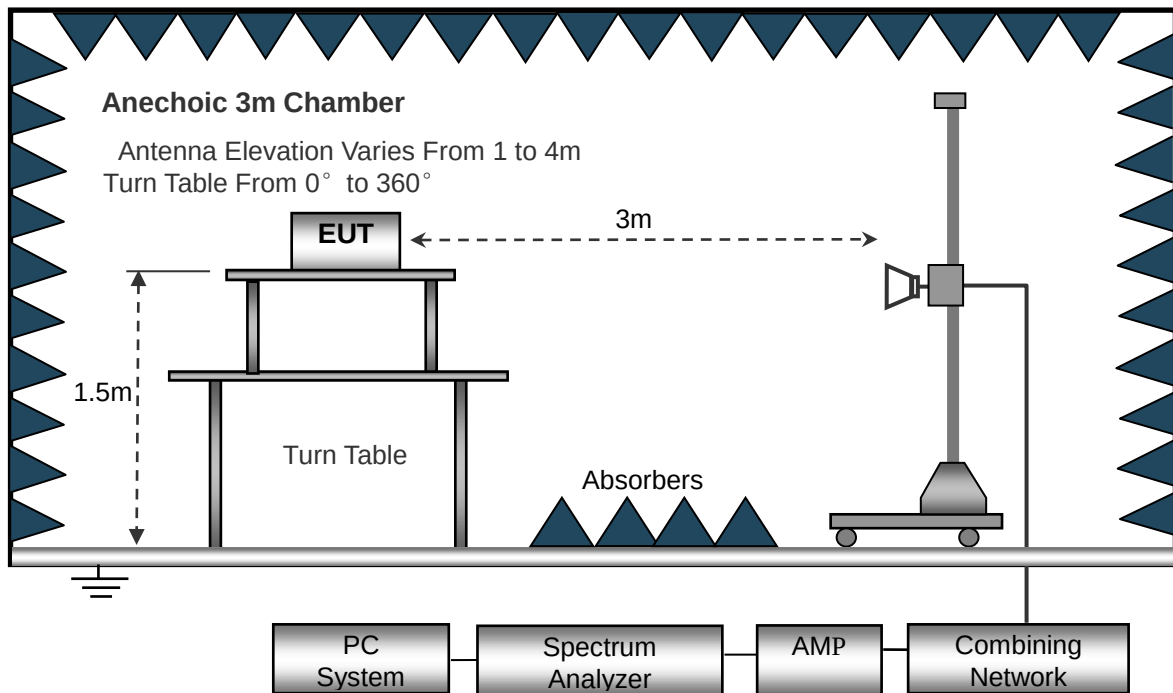
The test setup for emission measurement below 30MHz.



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 $\mu$ V means the emission is 6dB $\mu$ 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.

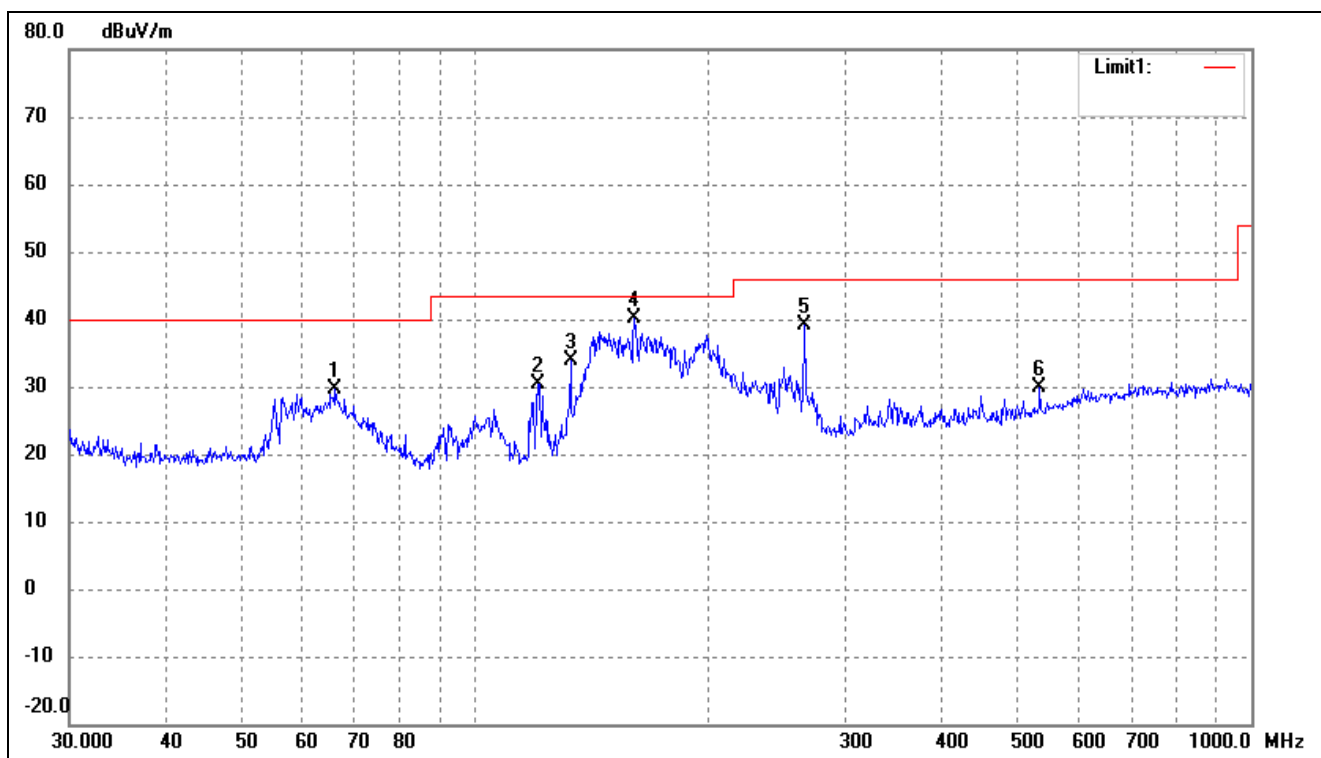
➤ Spurious Emission From 30MHz to 1GHz

➤ Antenna 0(Worst case)

➤ 5150-5250MHz

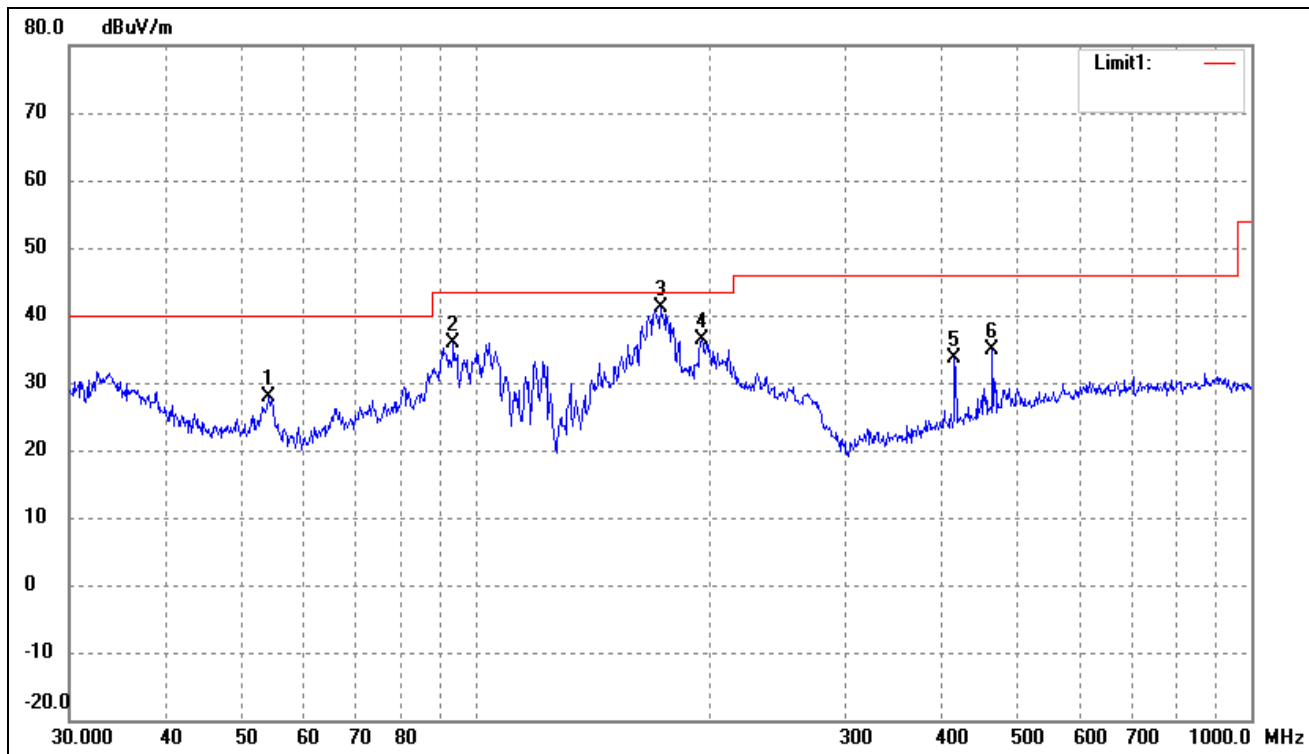
802.11a(Worst case)

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



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 66.0342            | 39.06               | -9.49           | 29.57              | 40.00             | -10.43         | -             | -              | peak   |
| 2   | 120.2766           | 40.06               | -9.65           | 30.41              | 43.50             | -13.09         | -             | -              | peak   |
| 3   | 132.6850           | 45.52               | -11.66          | 33.86              | 43.50             | -9.64          | -             | -              | peak   |
| 4   | 160.3457           | 52.34               | -12.15          | 40.19              | 43.50             | -3.31          | -             | -              | peak   |
| 5   | 265.6757           | 46.89               | -7.88           | 39.01              | 46.00             | -6.99          | -             | -              | peak   |
| 6   | 533.8321           | 30.58               | -0.74           | 29.84              | 46.00             | -16.16         | -             | -              | peak   |

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



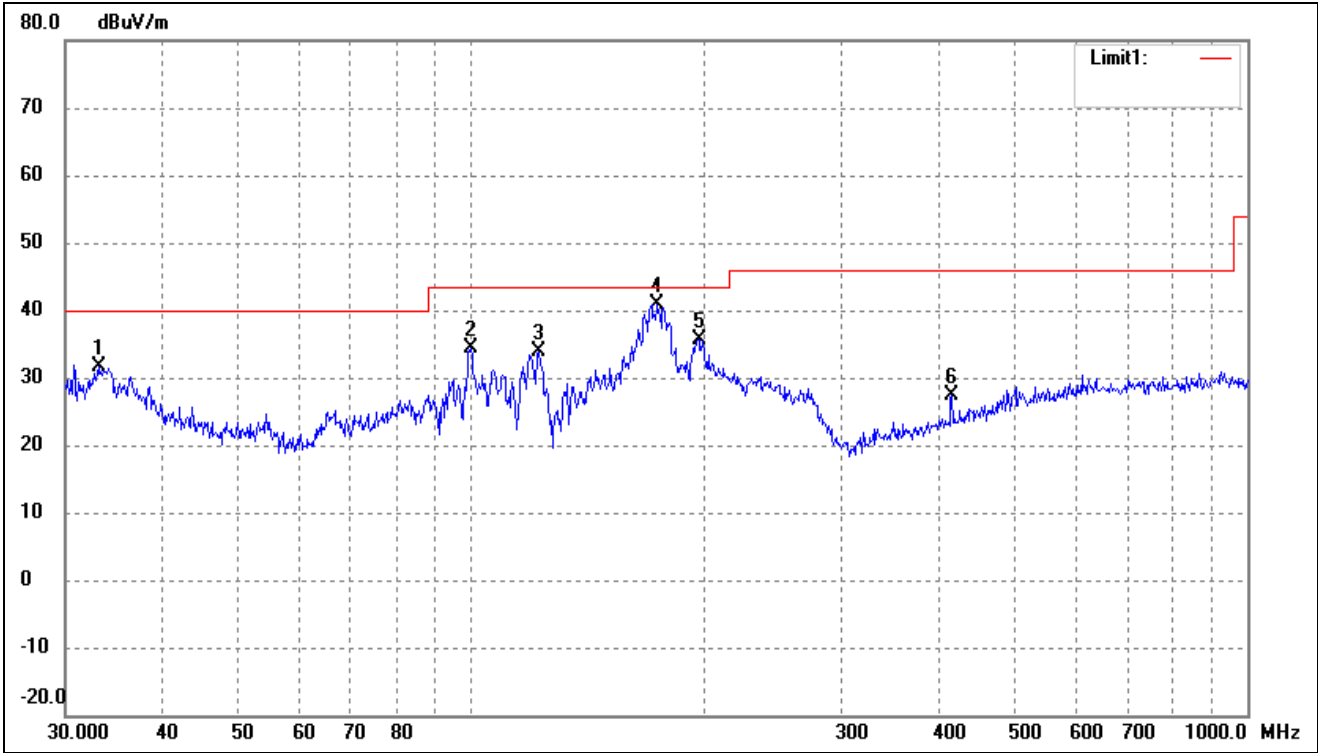
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 54.0711            | 35.37               | -7.56           | 27.81              | 40.00             | -12.19         | -             | -              | peak   |
| 2   | 93.7685            | 45.79               | -9.88           | 35.91              | 43.50             | -7.59          | -             | -              | peak   |
| 3   | 173.2051           | 52.83               | -11.58          | 41.25              | 43.50             | -2.25          | -             | -              | peak   |
| 4   | 195.8220           | 46.24               | -9.85           | 36.39              | 43.50             | -7.11          | -             | -              | peak   |
| 5   | 414.7223           | 37.20               | -3.50           | 33.70              | 46.00             | -12.30         | -             | -              | peak   |
| 6   | 463.9696           | 37.05               | -2.21           | 34.84              | 46.00             | -11.16         | -             | -              | peak   |

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



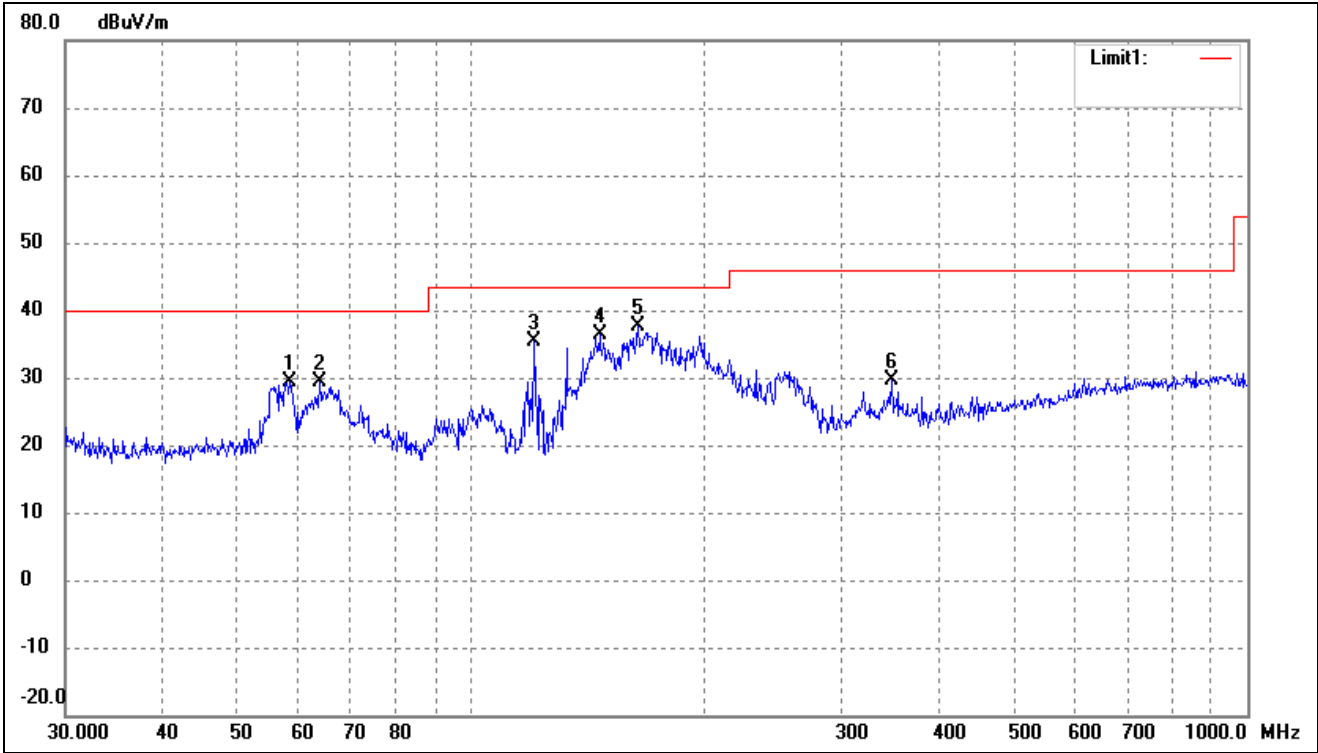
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 55.2207            | 39.23               | -7.73           | 31.50              | 40.00             | -8.50          | -             | -              | peak   |
| 2   | 120.2766           | 38.61               | -9.65           | 28.96              | 43.50             | -14.54         | -             | -              | peak   |
| 3   | 132.6850           | 48.88               | -11.66          | 37.22              | 43.50             | -6.28          | -             | -              | peak   |
| 4   | 143.8295           | 51.06               | -12.40          | 38.66              | 43.50             | -4.84          | -             | -              | peak   |
| 5   | 195.8220           | 47.99               | -9.85           | 38.14              | 43.50             | -5.36          | -             | -              | peak   |
| 6   | 266.6089           | 42.22               | -7.86           | 34.36              | 46.00             | -11.64         | -             | -              | peak   |

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



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 33.0950            | 40.24               | -8.69           | 31.55              | 40.00             | -8.45          | -             | -              | peak   |
| 2   | 99.8777            | 43.03               | -8.75           | 34.28              | 43.50             | -9.22          | -             | -              | peak   |
| 3   | 121.9755           | 43.90               | -9.96           | 33.94              | 43.50             | -9.56          | -             | -              | peak   |
| 4   | 173.8135           | 52.37               | -11.55          | 40.82              | 43.50             | -2.68          | -             | -              | peak   |
| 5   | 196.5098           | 45.52               | -9.81           | 35.71              | 43.50             | -7.79          | -             | -              | peak   |
| 6   | 416.1791           | 30.87               | -3.46           | 27.41              | 46.00             | -18.59         | -             | -              | peak   |

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



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 58.4074            | 37.69               | -8.19           | 29.50              | 40.00             | -10.50         | -             | -              | peak   |
| 2   | 63.7588            | 38.42               | -9.08           | 29.34              | 40.00             | -10.66         | -             | -              | peak   |
| 3   | 120.6991           | 45.21               | -9.72           | 35.49              | 43.50             | -8.01          | -             | -              | peak   |
| 4   | 146.3735           | 48.80               | -12.48          | 36.32              | 43.50             | -7.18          | -             | -              | peak   |
| 5   | 163.7550           | 49.58               | -12.00          | 37.58              | 43.50             | -5.92          | -             | -              | peak   |
| 6   | 348.0274           | 35.02               | -5.46           | 29.56              | 46.00             | -16.44         | -             | -              | peak   |



802.11a(Worst case)

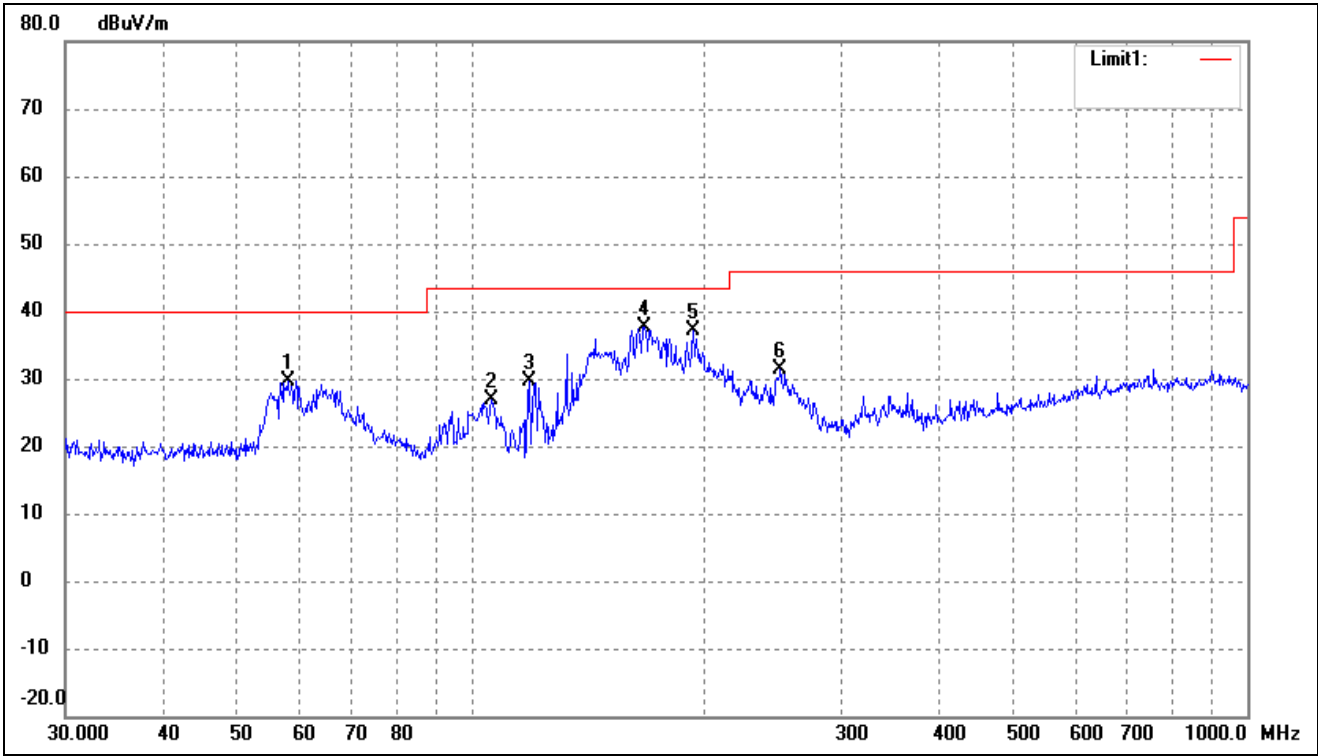
|              |         |           |          |
|--------------|---------|-----------|----------|
| Test Channel | 5240MHz | Polarity: | Vertical |
|--------------|---------|-----------|----------|



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 33.5624            | 41.73               | -8.58           | 33.15              | 40.00             | -6.85          | -             | -              | peak   |
| 2   | 55.6094            | 36.65               | -7.78           | 28.87              | 40.00             | -11.13         | -             | -              | peak   |
| 3   | 90.8554            | 46.18               | -10.42          | 35.76              | 43.50             | -7.74          | -             | -              | peak   |
| 4   | 103.8055           | 44.28               | -8.79           | 35.49              | 43.50             | -8.01          | -             | -              | peak   |
| 5   | 173.2051           | 52.05               | -11.58          | 40.47              | 43.50             | -3.03          | -             | -              | peak   |
| 6   | 416.1791           | 35.66               | -3.46           | 32.20              | 46.00             | -13.80         | -             | -              | peak   |

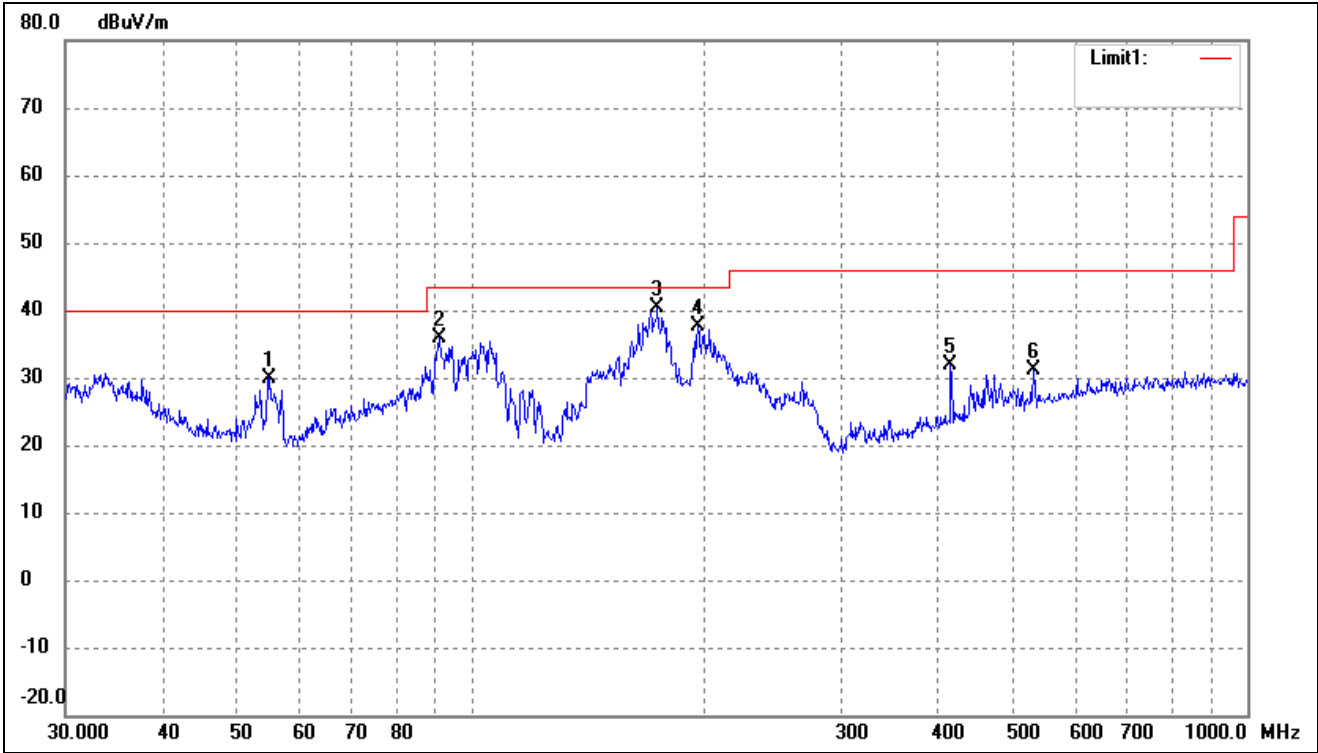
➤ 5725-5850MHz

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



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 57.9993            | 37.82               | -8.13           | 29.69              | 40.00             | -10.31         | -             | -              | peak   |
| 2   | 106.0126           | 35.63               | -8.82           | 26.81              | 43.50             | -16.69         | -             | -              | peak   |
| 3   | 119.0180           | 39.06               | -9.53           | 29.53              | 43.50             | -13.97         | -             | -              | peak   |
| 4   | 167.2368           | 49.55               | -11.85          | 37.70              | 43.50             | -5.80          | -             | -              | peak   |
| 5   | 193.0945           | 46.99               | -9.93           | 37.06              | 43.50             | -6.44          | -             | -              | peak   |
| 6   | 250.3012           | 39.79               | -8.31           | 31.48              | 46.00             | -14.52         | -             | -              | peak   |

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



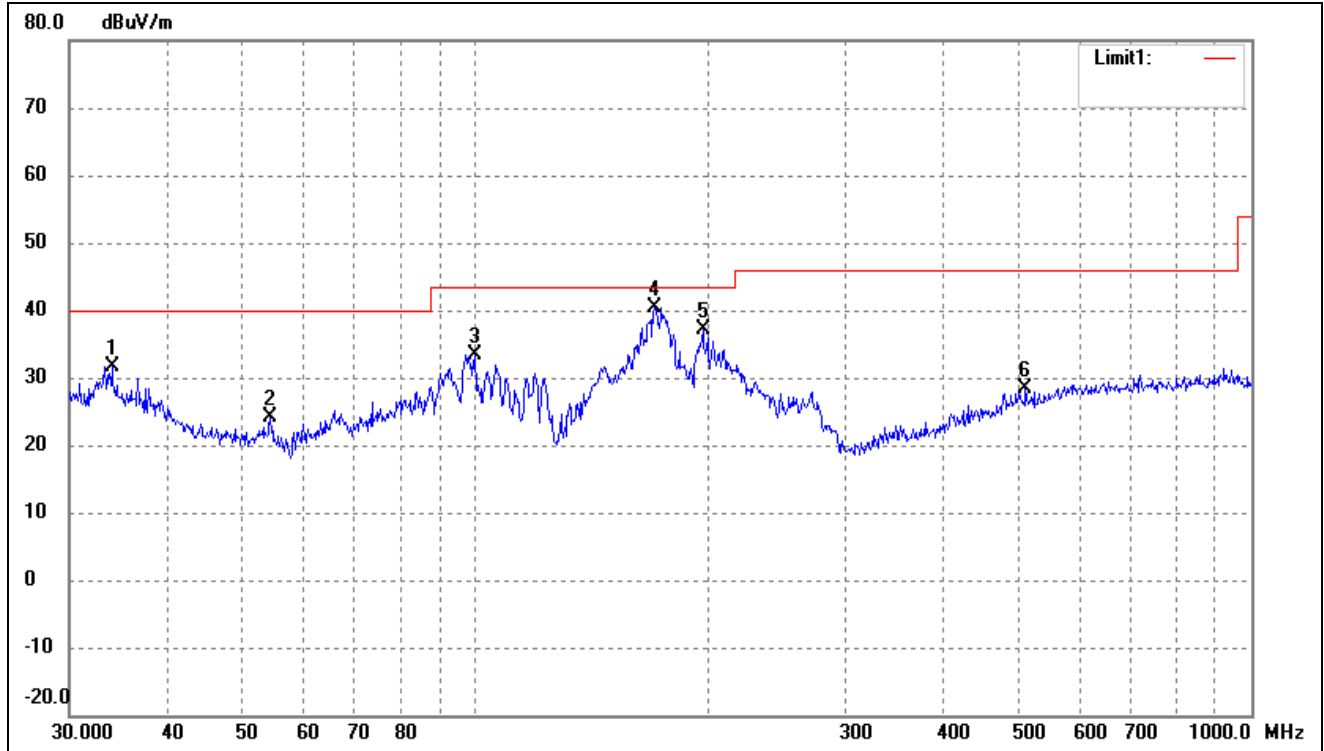
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 55.0274            | 37.46               | -7.69           | 29.77              | 40.00             | -10.23         | -             | -              | peak   |
| 2   | 91.1746            | 46.17               | -10.36          | 35.81              | 43.50             | -7.69          | -             | -              | peak   |
| 3   | 173.8135           | 51.83               | -11.55          | 40.28              | 43.50             | -3.22          | -             | -              | peak   |
| 4   | 195.8220           | 47.58               | -9.85           | 37.73              | 43.50             | -5.77          | -             | -              | peak   |
| 5   | 414.7223           | 35.50               | -3.50           | 32.00              | 46.00             | -14.00         | -             | -              | peak   |
| 6   | 530.1014           | 31.90               | -0.80           | 31.10              | 46.00             | -14.90         | -             | -              | peak   |

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



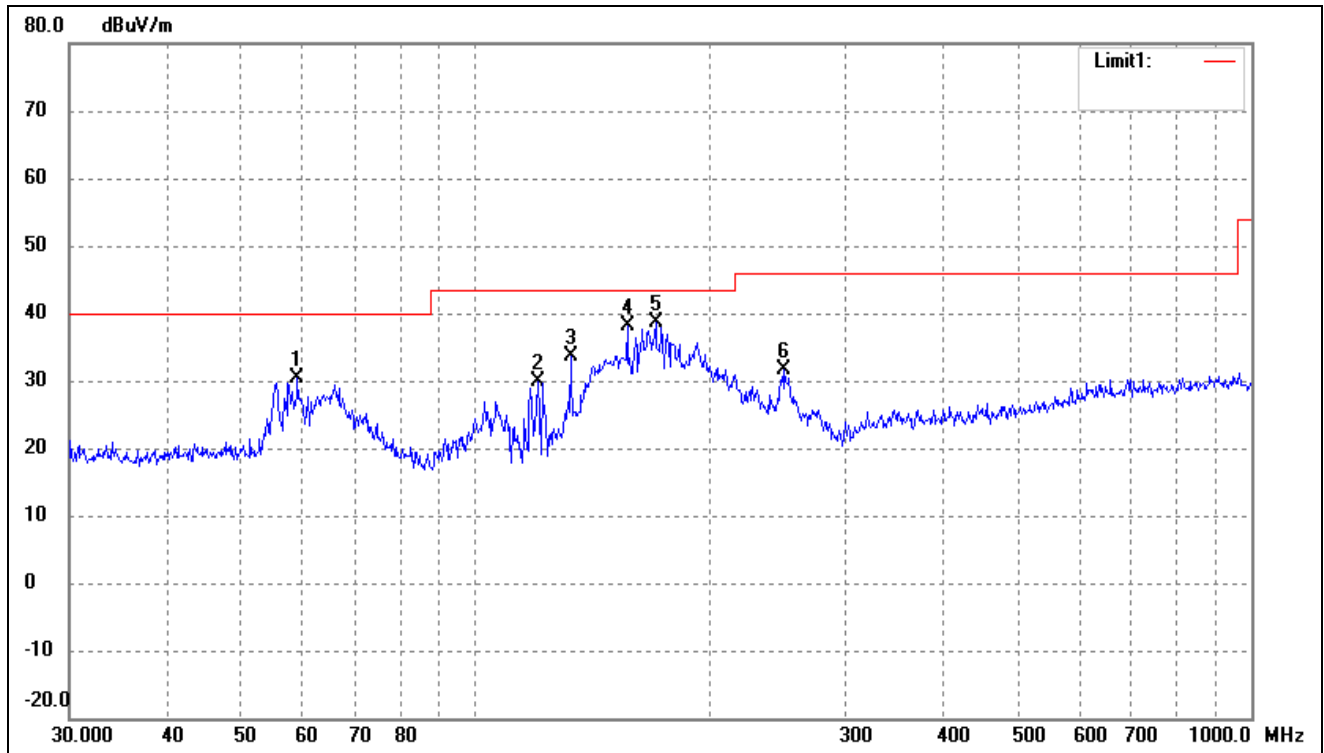
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 57.9993            | 37.08               | -8.13           | 28.95              | 40.00             | -11.05         | -             | -              | peak   |
| 2   | 120.6991           | 40.14               | -9.72           | 30.42              | 43.50             | -13.08         | -             | -              | peak   |
| 3   | 132.6850           | 46.12               | -11.66          | 34.46              | 43.50             | -9.04          | -             | -              | peak   |
| 4   | 166.6514           | 49.93               | -11.87          | 38.06              | 43.50             | -5.44          | -             | -              | peak   |
| 5   | 192.4186           | 47.09               | -9.96           | 37.13              | 43.50             | -6.37          | -             | -              | peak   |
| 6   | 344.3855           | 34.25               | -5.57           | 28.68              | 46.00             | -17.32         | -             | -              | peak   |

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



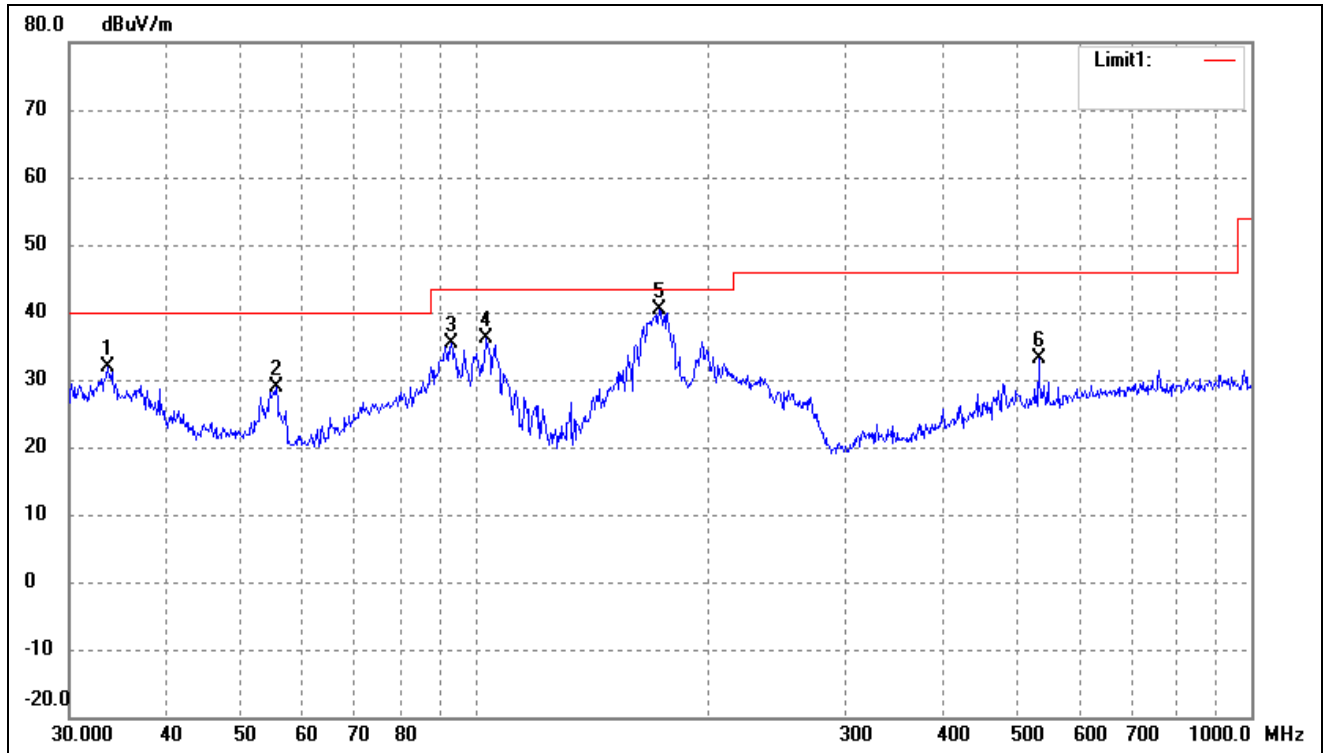
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 34.0365            | 40.19               | -8.46           | 31.73              | 40.00             | -8.27          | -             | -              | peak   |
| 2   | 54.4516            | 31.67               | -7.62           | 24.05              | 40.00             | -15.95         | -             | -              | peak   |
| 3   | 99.8777            | 42.12               | -8.75           | 33.37              | 43.50             | -10.13         | -             | -              | peak   |
| 4   | 170.1948           | 52.17               | -11.72          | 40.45              | 43.50             | -3.05          | -             | -              | peak   |
| 5   | 196.5098           | 46.89               | -9.81           | 37.08              | 43.50             | -6.42          | -             | -              | peak   |
| 6   | 511.8352           | 29.60               | -1.11           | 28.49              | 46.00             | -17.51         | -             | -              | peak   |

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



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 59.0251            | 38.62               | -8.28           | 30.34              | 40.00             | -9.66          | -             | -              | peak   |
| 2   | 120.6991           | 39.62               | -9.72           | 29.90              | 43.50             | -13.60         | -             | -              | peak   |
| 3   | 132.6850           | 45.30               | -11.66          | 33.64              | 43.50             | -9.86          | -             | -              | peak   |
| 4   | 157.0074           | 50.44               | -12.29          | 38.15              | 43.50             | -5.35          | -             | -              | peak   |
| 5   | 170.7926           | 50.26               | -11.69          | 38.57              | 43.50             | -4.93          | -             | -              | peak   |
| 6   | 250.3012           | 39.89               | -8.31           | 31.58              | 46.00             | -14.42         | -             | -              | peak   |

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

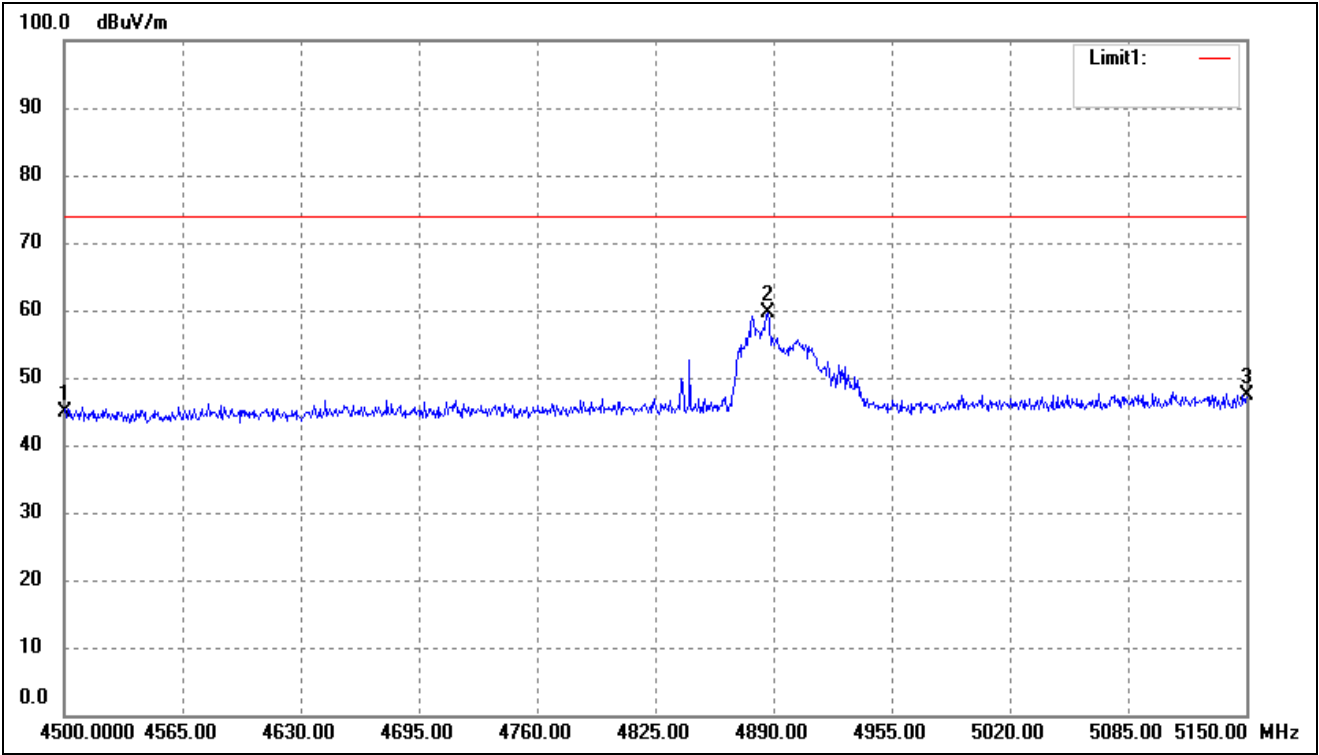


| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 33.5624            | 40.46               | -8.58           | 31.88              | 40.00             | -8.12          | -             | -              | peak   |
| 2   | 55.4147            | 36.72               | -7.75           | 28.97              | 40.00             | -11.03         | -             | -              | peak   |
| 3   | 93.1132            | 45.42               | -10.00          | 35.42              | 43.50             | -8.08          | -             | -              | peak   |
| 4   | 103.4421           | 44.87               | -8.78           | 36.09              | 43.50             | -7.41          | -             | -              | peak   |
| 5   | 172.5988           | 51.95               | -11.61          | 40.34              | 43.50             | -3.16          | -             | -              | peak   |
| 6   | 531.9635           | 34.01               | -0.77           | 33.24              | 46.00             | -12.76         | -             | -              | peak   |

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)

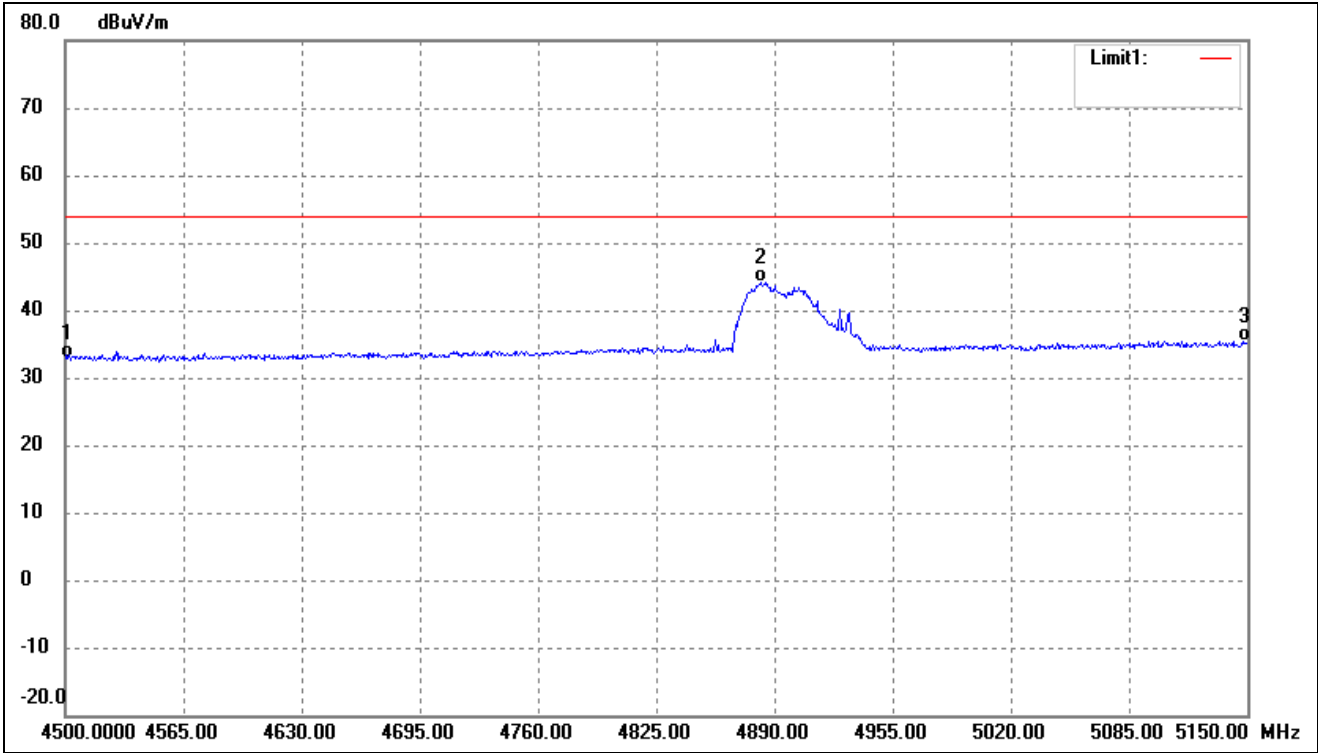
|                                           |                   |           |                         |
|-------------------------------------------|-------------------|-----------|-------------------------|
| 802.11a- Restricted Bandedge (worst case) |                   |           |               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



| No. | Frequency | Reading  | Correct | Result   | Limit    | Margin | Degree | Height | Remark |
|-----|-----------|----------|---------|----------|----------|--------|--------|--------|--------|
|     | (MHz)     | (dBuV/m) | dB/m    | (dBuV/m) | (dBuV/m) | (dB)   | ( )    | (cm)   |        |
| 1   | 4500.000  | 51.87    | -6.92   | 44.95    | 74.00    | -29.05 | -      | -      | peak   |
| 2   | 4886.750  | 65.47    | -5.90   | 59.57    | 74.00    | -14.43 | -      | -      | peak   |
| 3   | 5150.000  | 52.59    | -5.33   | 47.26    | 74.00    | -26.74 | -      | -      | peak   |



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



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Degree<br>( ) | Height<br>(cm) | Remark |
|-----|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|---------------|----------------|--------|
| 1   | 4500.000           | 39.89               | -6.92           | 32.97              | 54.00             | -21.03         | -             | -              | AVG    |
| 2   | 4882.200           | 50.07               | -5.92           | 44.15              | 54.00             | -9.85          | -             | -              | AVG    |
| 3   | 5150.000           | 40.63               | -5.33           | 35.30              | 54.00             | -18.70         | -             | -              | 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                    | 57.68    | 7.11    | 64.79    | 74.00    | -9.21  | H     | PK       |
| 15540                    | 34.44    | 8.22    | 42.66    | 54.00    | -11.34 | H     | AV       |
| 10360                    | 57.32    | 7.11    | 64.43    | 74.00    | -9.57  | V     | PK       |
| 15540                    | 38.62    | 8.22    | 46.84    | 54.00    | -7.16  | V     | AV       |
| Middle Channel (5200MHz) |          |         |          |          |        |       |          |
| 10400                    | 55.74    | 7.22    | 62.96    | 74.00    | -11.04 | H     | PK       |
| 15600                    | 34.06    | 8.67    | 42.73    | 54.00    | -11.27 | H     | AV       |
| 10400                    | 54.45    | 7.22    | 61.67    | 74.00    | -12.33 | V     | PK       |
| 15600                    | 40.01    | 8.67    | 48.68    | 54.00    | -5.32  | V     | AV       |
| High Channel (5240MHz)   |          |         |          |          |        |       |          |
| 10480                    | 55.50    | 7.69    | 63.19    | 74.00    | -10.81 | H     | PK       |
| 15720                    | 37.75    | 8.93    | 46.68    | 54.00    | -7.32  | H     | AV       |
| 10480                    | 57.84    | 7.69    | 65.53    | 74.00    | -8.47  | V     | PK       |
| 15720                    | 37.95    | 8.93    | 46.88    | 54.00    | -7.12  | 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                    | 55.31    | 9.45    | 64.76    | 74.00    | -9.24  | H     | PK       |
| 17235                    | 32.71    | 10.36   | 43.07    | 54.00    | -10.93 | H     | AV       |
| 11490                    | 54.64    | 9.45    | 64.09    | 74.00    | -9.91  | V     | PK       |
| 17235                    | 37.30    | 10.36   | 47.66    | 54.00    | -6.34  | V     | AV       |
| Middle Channel (5785MHz) |          |         |          |          |        |       |          |
| 11570                    | 59.00    | 9.62    | 68.62    | 74.00    | -5.38  | H     | PK       |
| 17355                    | 34.81    | 10.67   | 45.48    | 54.00    | -8.52  | H     | AV       |
| 11570                    | 57.11    | 9.62    | 66.73    | 74.00    | -7.27  | V     | PK       |
| 17355                    | 33.57    | 10.67   | 44.24    | 54.00    | -9.76  | V     | AV       |
| High Channel (5825MHz)   |          |         |          |          |        |       |          |
| 11650                    | 57.73    | 9.84    | 67.57    | 74.00    | -6.43  | H     | PK       |
| 17475                    | 34.48    | 10.95   | 45.43    | 54.00    | -8.57  | H     | AV       |
| 11650                    | 54.03    | 9.84    | 63.87    | 74.00    | -10.13 | V     | PK       |
| 17475                    | 36.43    | 10.95   | 47.38    | 54.00    | -6.62  | V     | AV       |

## ➤ Out of Band edge for 5150-5250MHz

| Test CH.                                 | Test Segment | Result  | Limit   |
|------------------------------------------|--------------|---------|---------|
|                                          | MHz          | dBm/MHz | dBm/MHz |
| Lowest                                   | Below 5150   | -35.92  | -27     |
| Highest                                  | Above 5350   | -44.46  | -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   | -40.14  | -27     |
|                                          | 5715 to 5725 | -41.60  | -17     |
| Highest                                  | 5850 to 5860 | -40.39  | -17     |
|                                          | Above 5860   | -42.62  | -27     |
| Note: the data just list the worst cases |              |         |         |

- For the frequency band 5.15-5.25GHz5.725-5.850GHz (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                    | 56.80    | 7.11    | 63.91    | 74.00    | -10.09 | H     | PK       |
| 15540                    | 38.75    | 8.22    | 46.97    | 54.00    | -7.03  | H     | AV       |
| 10360                    | 60.80    | 7.11    | 67.91    | 74.00    | -6.09  | V     | PK       |
| 15540                    | 38.20    | 8.22    | 46.42    | 54.00    | -7.58  | V     | AV       |
| Middle Channel (5200MHz) |          |         |          |          |        |       |          |
| 10400                    | 55.77    | 7.22    | 62.99    | 74.00    | -11.01 | H     | PK       |
| 15600                    | 38.60    | 8.67    | 47.27    | 54.00    | -6.73  | H     | AV       |
| 10400                    | 58.07    | 7.22    | 65.29    | 74.00    | -8.71  | V     | PK       |
| 15600                    | 35.62    | 8.67    | 44.29    | 54.00    | -9.71  | V     | AV       |
| High Channel (5240MHz)   |          |         |          |          |        |       |          |
| 10480                    | 55.23    | 7.69    | 62.92    | 74.00    | -11.08 | H     | PK       |
| 15720                    | 36.50    | 8.93    | 45.43    | 54.00    | -8.57  | H     | AV       |
| 10480                    | 60.62    | 7.69    | 68.31    | 74.00    | -5.69  | V     | PK       |
| 15720                    | 39.36    | 8.93    | 48.29    | 54.00    | -5.71  | 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                    | 56.37    | 9.45    | 65.82    | 74.00    | -8.18  | H     | PK       |
| 17235                    | 35.35    | 10.36   | 45.71    | 54.00    | -8.29  | H     | AV       |
| 11490                    | 56.62    | 9.45    | 66.07    | 74.00    | -7.93  | V     | PK       |
| 17235                    | 34.83    | 10.36   | 45.19    | 54.00    | -8.81  | V     | AV       |
| Middle Channel (5785MHz) |          |         |          |          |        |       |          |
| 11570                    | 56.42    | 9.62    | 66.04    | 74.00    | -7.96  | H     | PK       |
| 17355                    | 35.79    | 10.67   | 46.46    | 54.00    | -7.54  | H     | AV       |
| 11570                    | 56.61    | 9.62    | 66.23    | 74.00    | -7.77  | V     | PK       |
| 17355                    | 37.88    | 10.67   | 48.55    | 54.00    | -5.45  | V     | AV       |
| High Channel (5825MHz)   |          |         |          |          |        |       |          |
| 11650                    | 54.44    | 9.84    | 64.28    | 74.00    | -9.72  | H     | PK       |
| 17475                    | 36.40    | 10.95   | 47.35    | 54.00    | -6.65  | H     | AV       |
| 11650                    | 57.16    | 9.84    | 67.00    | 74.00    | -7.00  | V     | PK       |
| 17475                    | 35.80    | 10.95   | 46.75    | 54.00    | -7.25  | V     | AV       |

## ➤ Out of Band edge 5150-5250MHz

| Test CH.                                  | Test Segment | Result  | Limit   |
|-------------------------------------------|--------------|---------|---------|
|                                           | MHz          | dBm/MHz | dBm/MHz |
| Lowest                                    | Below 5150   | -29.07  | -27     |
| Highest                                   | Above 5350   | -37.50  | -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   | -45.07  | -27     |
|                                           | 5715 to 5725 | -35.21  | -17     |
| Highest                                   | 5850 to 5860 | -40.84  | -17     |
|                                           | Above 5860   | -40.90  | -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 (802.11ax 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                    | 55.97    | 7.11    | 63.08    | 74.00    | -10.92 | H     | PK       |
| 15540                    | 36.80    | 8.22    | 45.02    | 54.00    | -8.98  | H     | AV       |
| 10360                    | 56.32    | 7.11    | 63.43    | 74.00    | -10.57 | V     | PK       |
| 15540                    | 39.74    | 8.22    | 47.96    | 54.00    | -6.04  | V     | AV       |
| Middle Channel (5200MHz) |          |         |          |          |        |       |          |
| 10400                    | 58.40    | 7.22    | 65.62    | 74.00    | -8.38  | H     | PK       |
| 15600                    | 36.80    | 8.67    | 45.47    | 54.00    | -8.53  | H     | AV       |
| 10400                    | 57.55    | 7.22    | 64.77    | 74.00    | -9.23  | V     | PK       |
| 15600                    | 36.53    | 8.67    | 45.20    | 54.00    | -8.80  | V     | AV       |
| High Channel (5240MHz)   |          |         |          |          |        |       |          |
| 10480                    | 54.26    | 7.69    | 61.95    | 74.00    | -12.05 | H     | PK       |
| 15720                    | 37.76    | 8.93    | 46.69    | 54.00    | -7.31  | H     | AV       |
| 10480                    | 58.34    | 7.69    | 66.03    | 74.00    | -7.97  | V     | PK       |
| 15720                    | 37.47    | 8.93    | 46.40    | 54.00    | -7.60  | 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                    | 58.34    | 9.45    | 67.79    | 74.00    | -6.21  | H     | PK       |
| 17235                    | 35.36    | 10.36   | 45.72    | 54.00    | -8.28  | H     | AV       |
| 11490                    | 54.54    | 9.45    | 63.99    | 74.00    | -10.01 | V     | PK       |
| 17235                    | 34.34    | 10.36   | 44.70    | 54.00    | -9.30  | V     | AV       |
| Middle Channel (5785MHz) |          |         |          |          |        |       |          |
| 11570                    | 56.63    | 9.62    | 66.25    | 74.00    | -7.75  | H     | PK       |
| 17355                    | 36.36    | 10.67   | 47.03    | 54.00    | -6.97  | H     | AV       |
| 11570                    | 54.65    | 9.62    | 64.27    | 74.00    | -9.73  | V     | PK       |
| 17355                    | 35.30    | 10.67   | 45.97    | 54.00    | -8.03  | V     | AV       |
| High Channel (5825MHz)   |          |         |          |          |        |       |          |
| 11650                    | 55.20    | 9.84    | 65.04    | 74.00    | -8.96  | H     | PK       |
| 17475                    | 35.16    | 10.95   | 46.11    | 54.00    | -7.89  | H     | AV       |
| 11650                    | 57.68    | 9.84    | 67.52    | 74.00    | -6.48  | V     | PK       |
| 17475                    | 35.37    | 10.95   | 46.32    | 54.00    | -7.68  | V     | AV       |

## ➤ Out of Band edge for 5150-5250MHz

| Test CH.                                  | Test Segment | Result  | Limit   |
|-------------------------------------------|--------------|---------|---------|
|                                           | MHz          | dBm/MHz | dBm/MHz |
| Lowest                                    | Below 5150   | -32.93  | -27     |
| Highest                                   | Above 5350   | -40.26  | -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   | -46.19  | -27     |
|                                           | 5715 to 5725 | -35.63  | -17     |
| Highest                                   | 5850 to 5860 | -34.46  | -17     |
|                                           | Above 5860   | -43.34  | -27     |
| Note: the data just list the worst cases. |              |         |         |

- 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                  | 56.63    | 7.25    | 63.88    | 74.00    | -10.12 | H     | PK       |
| 15570                  | 37.67    | 8.33    | 46.00    | 54.00    | -8.00  | H     | AV       |
| 10380                  | 58.57    | 7.25    | 65.82    | 74.00    | -8.18  | H     | PK       |
| 15570                  | 39.03    | 8.33    | 47.36    | 54.00    | -6.64  | H     | AV       |
| High Channel (5230MHz) |          |         |          |          |        |       |          |
| 10460                  | 56.76    | 7.54    | 64.30    | 74.00    | -9.70  | H     | PK       |
| 15690                  | 37.71    | 8.86    | 46.57    | 54.00    | -7.43  | H     | AV       |
| 10460                  | 58.24    | 7.54    | 65.78    | 74.00    | -8.22  | H     | PK       |
| 15690                  | 37.34    | 8.86    | 46.20    | 54.00    | -7.80  | H     | AV       |

| Frequency              | Reading  | Correct | Result   | Limit    | Margin | Polar | Detector |
|------------------------|----------|---------|----------|----------|--------|-------|----------|
| (MHz)                  | (dBuV/m) | dB      | (dBuV/m) | (dBuV/m) | (dB)   | H/V   |          |
| Low Channel (5755MHz)  |          |         |          |          |        |       |          |
| 11510                  | 56.30    | 9.65    | 65.95    | 74.00    | -8.05  | H     | PK       |
| 17265                  | 36.34    | 10.87   | 47.21    | 54.00    | -6.79  | H     | AV       |
| 11510                  | 56.74    | 9.65    | 66.39    | 74.00    | -7.61  | H     | PK       |
| 17265                  | 36.67    | 10.87   | 47.54    | 54.00    | -6.46  | H     | AV       |
| High Channel (5795MHz) |          |         |          |          |        |       |          |
| 11590                  | 56.56    | 9.81    | 66.37    | 74.00    | -7.63  | H     | PK       |
| 17385                  | 32.63    | 10.89   | 43.52    | 54.00    | -10.48 | H     | AV       |
| 11590                  | 57.86    | 9.81    | 67.67    | 74.00    | -6.33  | H     | PK       |
| 17385                  | 36.23    | 10.89   | 47.12    | 54.00    | -6.88  | H     | AV       |



## ➤ Out of Band edge for 5150-5250MHz

| Test CH.                                  | Test Segment | Result  | Limit   |
|-------------------------------------------|--------------|---------|---------|
|                                           | MHz          | dBm/MHz | dBm/MHz |
| Lowest                                    | Below 5150   | -37.41  | -27     |
| Highest                                   | Above 5350   | -41.45  | -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   | -40.58  | -27     |
|                                           | 5715 to 5725 | -39.02  | -17     |
| Highest                                   | 5850 to 5860 | -43.63  | -17     |
|                                           | Above 5860   | -42.83  | -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                  | 56.57    | 7.25    | 63.82    | 74.00    | -10.18 | H     | PK       |
| 15570                  | 38.56    | 8.33    | 46.89    | 54.00    | -7.11  | H     | AV       |
| 10380                  | 58.93    | 7.25    | 66.18    | 74.00    | -7.82  | V     | PK       |
| 15570                  | 37.47    | 8.33    | 45.80    | 54.00    | -8.20  | V     | AV       |
| High Channel (5230MHz) |          |         |          |          |        |       |          |
| 10460                  | 58.76    | 7.54    | 66.30    | 74.00    | -7.70  | H     | PK       |
| 15690                  | 38.02    | 8.86    | 46.88    | 54.00    | -7.12  | H     | AV       |
| 10460                  | 60.90    | 7.54    | 68.44    | 74.00    | -5.56  | V     | PK       |
| 15690                  | 37.01    | 8.86    | 45.87    | 54.00    | -8.13  | 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                  | 53.95    | 9.65    | 63.60    | 74.00    | -10.40 | H     | PK       |
| 17265                  | 34.49    | 10.87   | 45.36    | 54.00    | -8.64  | H     | AV       |
| 11510                  | 56.11    | 9.65    | 65.76    | 74.00    | -8.24  | V     | PK       |
| 17265                  | 37.23    | 10.87   | 48.10    | 54.00    | -5.90  | V     | AV       |
| High Channel (5795MHz) |          |         |          |          |        |       |          |
| 11590                  | 56.78    | 9.81    | 66.59    | 74.00    | -7.41  | H     | PK       |
| 17385                  | 33.48    | 10.89   | 44.37    | 54.00    | -9.63  | H     | AV       |
| 11590                  | 56.22    | 9.81    | 66.03    | 74.00    | -7.97  | V     | PK       |
| 17385                  | 35.68    | 10.89   | 46.57    | 54.00    | -7.43  | 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   | -40.93  | -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   | -39.18  | -27     |
|                                          | 5715 to 5725 | -37.43  | -17     |
| Highest                                  | 5850 to 5860 | -42.57  | -17     |
|                                          | Above 5860   | -44.11  | -27     |
| Note: the data just list the worst cases |              |         |         |

- For the frequency band 5.15-5.25GHz, 5.725-5.850GHz (802.11ac VH80)
- 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     | 59.55    | 7.33    | 66.88    | 74.00    | -7.12  | H     | PK       |
| 15630     | 36.74    | 8.75    | 45.49    | 54.00    | -8.51  | H     | AV       |
| 10420     | 57.47    | 7.33    | 64.80    | 74.00    | -9.20  | V     | PK       |
| 15630     | 36.73    | 8.75    | 45.48    | 54.00    | -8.52  | V     | AV       |

| Frequency | Reading  | Correct | Result   | Limit    | Margin | Polar | Detector |
|-----------|----------|---------|----------|----------|--------|-------|----------|
| (MHz)     | (dBuV/m) | dB      | (dBuV/m) | (dBuV/m) | (dB)   | H/V   |          |
| 5775MHz   |          |         |          |          |        |       |          |
| 11550     | 54.35    | 9.54    | 63.89    | 74.00    | -10.11 | H     | PK       |
| 17325     | 35.25    | 10.59   | 45.84    | 54.00    | -8.16  | H     | AV       |
| 11550     | 58.35    | 9.54    | 67.89    | 74.00    | -6.11  | V     | PK       |
| 17325     | 34.60    | 10.59   | 45.19    | 54.00    | -8.81  | V     | AV       |

- Out of Band edge for 5150-5250MHz

| Test CH.                                 | Test Segment | Result  | Limit   |
|------------------------------------------|--------------|---------|---------|
|                                          | MHz          | dBm/MHz | dBm/MHz |
| Lowest                                   | Below 5150   | -35.85  | -27     |
| Highest                                  | Above 5350   | -33.04  | -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   | -46.13  | -27     |
|                                          | 5715 to 5725 | -31.58  | -17     |
| Highest                                  | 5850 to 5860 | -30.99  | -17     |
|                                          | Above 5860   | -39.69  | -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     | 59.28    | 7.33    | 66.61    | 74.00    | -7.39  | H     | PK       |
| 15630     | 34.96    | 8.75    | 43.71    | 54.00    | -10.29 | H     | AV       |
| 10420     | 58.30    | 7.33    | 65.63    | 74.00    | -8.37  | V     | PK       |
| 15630     | 36.28    | 8.75    | 45.03    | 54.00    | -8.97  | V     | AV       |

| Frequency | Reading  | Correct | Result   | Limit    | Margin | Polar | Detector |
|-----------|----------|---------|----------|----------|--------|-------|----------|
| (MHz)     | (dBuV/m) | dB      | (dBuV/m) | (dBuV/m) | (dB)   | H/V   |          |
| 5775MHz   |          |         |          |          |        |       |          |
| 11550     | 54.48    | 9.54    | 64.02    | 74.00    | -9.98  | H     | PK       |
| 17325     | 37.93    | 10.59   | 48.52    | 54.00    | -5.48  | H     | AV       |
| 11550     | 55.51    | 9.54    | 65.05    | 74.00    | -8.95  | V     | PK       |
| 17325     | 35.09    | 10.59   | 45.68    | 54.00    | -8.32  | V     | AV       |

- Out of Band edge for 5150-5250MHz

| Test CH.                                 | Test Segment | Result  | Limit   |
|------------------------------------------|--------------|---------|---------|
|                                          | MHz          | dBm/MHz | dBm/MHz |
| Lowest                                   | Below 5150   | -34.32  | -27     |
| Highest                                  | Above 5350   | -30.88  | -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   | -42.88  | -27     |
|                                          | 5715 to 5725 | -29.43  | -17     |
| Highest                                  | 5850 to 5860 | -30.75  | -17     |
|                                          | Above 5860   | -40.49  | -27     |
| Note: the data just list the worst cases |              |         |         |

Note: Testing is carried out with frequency rang 9kHz to the tenth harmonics, 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.

## **9. Frequency Stability**

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### **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**

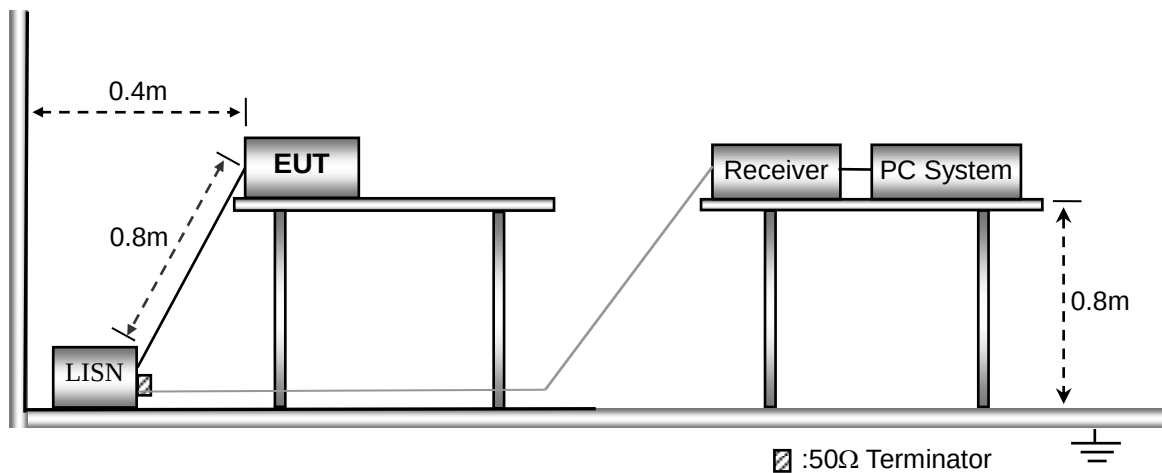
## 10 Conducted Emissions

### 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



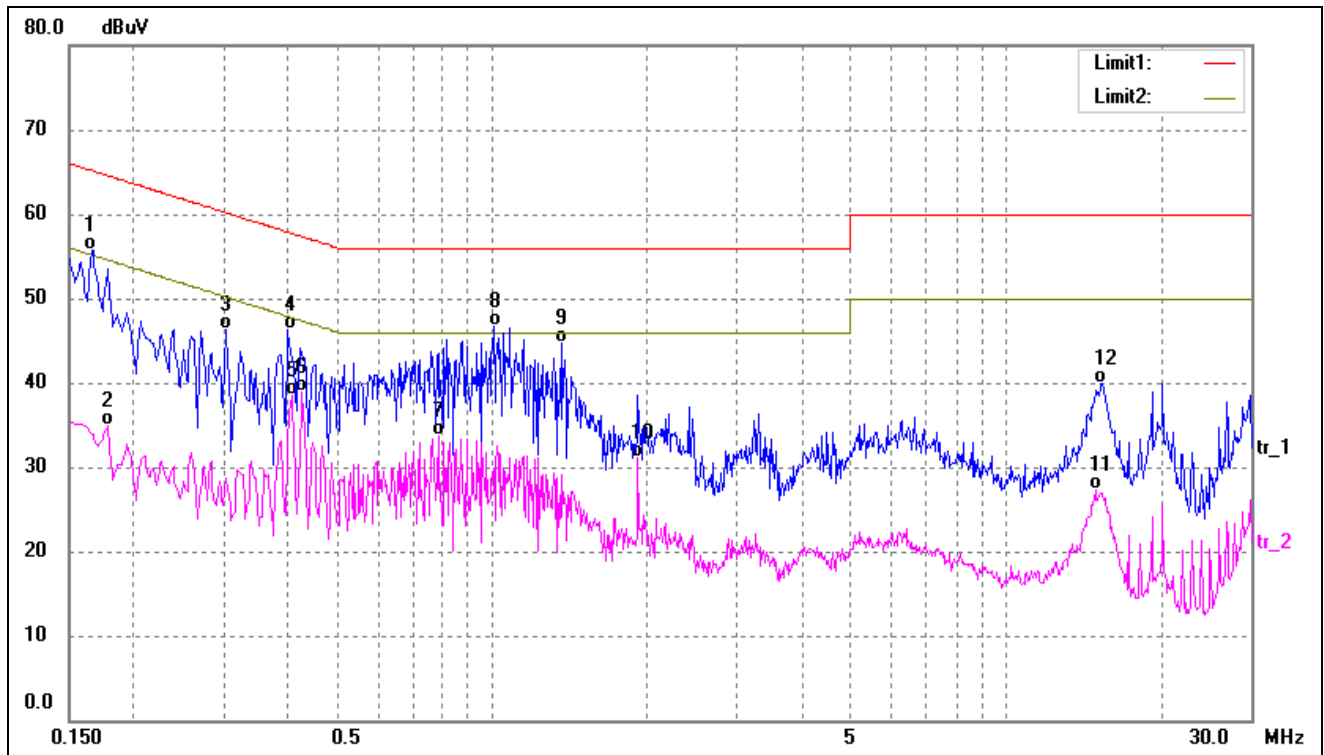
### 10.3 Test Receiver Setup

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

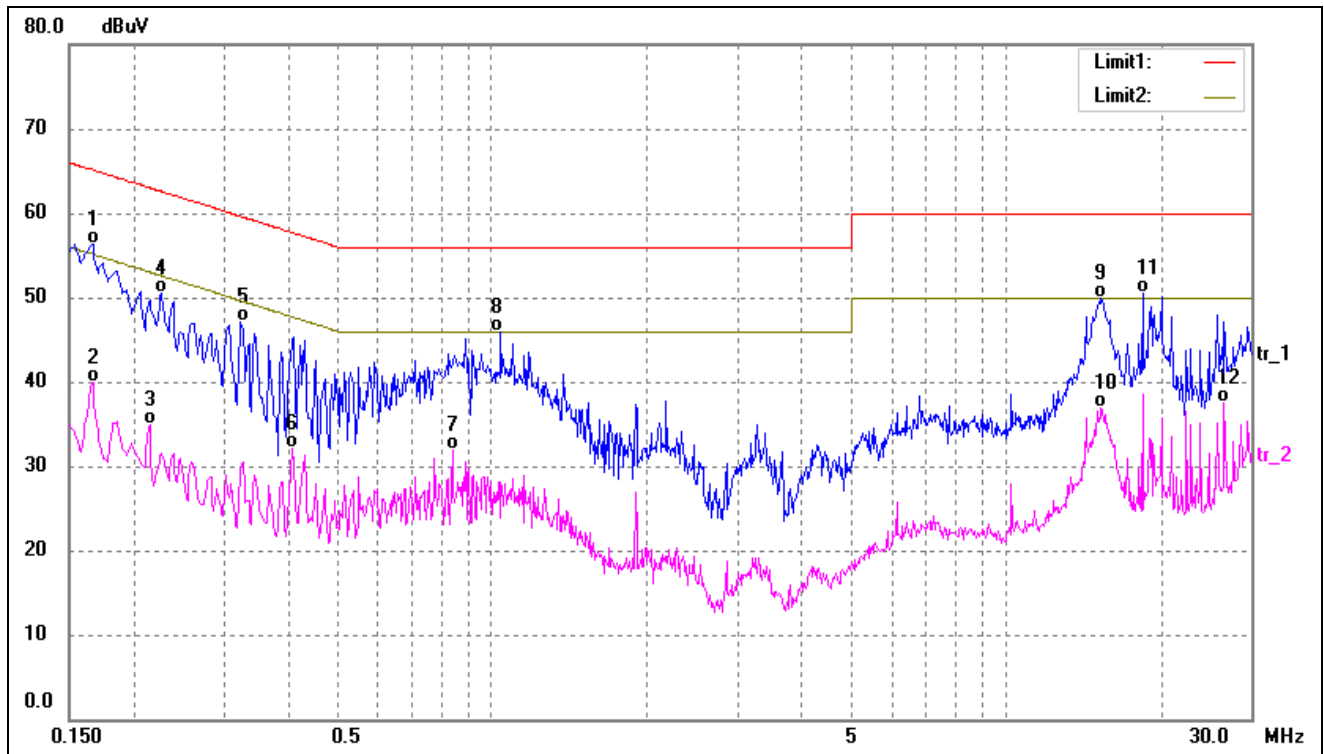
|           |               |             |           |         |
|-----------|---------------|-------------|-----------|---------|
| Test Mode | Communication | AC120V 60Hz | Polarity: | Neutral |
|-----------|---------------|-------------|-----------|---------|



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1   | 0.1660             | 45.41             | 10.37           | 55.78            | 65.15           | -9.37          | QP       |
| 2   | 0.1780             | 24.53             | 10.37           | 34.90            | 54.57           | -19.67         | AVG      |
| 3   | 0.3020             | 35.93             | 10.34           | 46.27            | 60.19           | -13.92         | QP       |
| 4   | 0.3980             | 36.09             | 10.29           | 46.38            | 57.89           | -11.51         | QP       |
| 5   | 0.4060             | 28.24             | 10.29           | 38.53            | 47.73           | -9.20          | AVG      |
| 6*  | 0.4260             | 28.62             | 10.28           | 38.90            | 47.33           | -8.43          | AVG      |
| 7   | 0.7860             | 23.35             | 10.43           | 33.78            | 46.00           | -12.22         | AVG      |
| 8   | 1.0100             | 36.18             | 10.56           | 46.74            | 56.00           | -9.26          | QP       |
| 9   | 1.3619             | 34.23             | 10.41           | 44.64            | 56.00           | -11.36         | QP       |
| 10  | 1.9260             | 20.87             | 10.16           | 31.03            | 46.00           | -14.97         | AVG      |
| 11  | 14.9100            | 17.24             | 10.15           | 27.39            | 50.00           | -22.61         | AVG      |
| 12  | 15.4140            | 29.76             | 10.16           | 39.92            | 60.00           | -20.08         | QP       |



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



| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB) | Result<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Detector |
|-----|--------------------|-------------------|-----------------|------------------|-----------------|----------------|----------|
| 1*  | 0.1660             | 45.97             | 10.37           | 56.34            | 65.15           | -8.81          | QP       |
| 2   | 0.1660             | 29.59             | 10.37           | 39.96            | 55.15           | -15.19         | AVG      |
| 3   | 0.2140             | 24.44             | 10.37           | 34.81            | 53.04           | -18.23         | AVG      |
| 4   | 0.2260             | 40.08             | 10.36           | 50.44            | 62.59           | -12.15         | QP       |
| 5   | 0.3220             | 36.69             | 10.33           | 47.02            | 59.65           | -12.63         | QP       |
| 6   | 0.4060             | 21.79             | 10.29           | 32.08            | 47.73           | -15.65         | AVG      |
| 7   | 0.8380             | 21.50             | 10.46           | 31.96            | 46.00           | -14.04         | AVG      |
| 8   | 1.0420             | 35.34             | 10.54           | 45.88            | 56.00           | -10.12         | QP       |
| 9   | 15.3060            | 39.80             | 10.16           | 49.96            | 60.00           | -10.04         | QP       |
| 10  | 15.3700            | 26.73             | 10.16           | 36.89            | 50.00           | -13.11         | AVG      |
| 11  | 18.4300            | 40.30             | 10.22           | 50.52            | 60.00           | -9.48          | QP       |
| 12  | 26.6220            | 27.33             | 10.22           | 37.55            | 50.00           | -12.45         | AVG      |

APPENDIX SUMMARY

|                   |                 |               |          |
|-------------------|-----------------|---------------|----------|
| Project No.       | WTH22X02020563W | Test Engineer | Gala     |
| Start date        | 2022/3/8        | Finish date   | 2022/3/8 |
| Temperature       | 23℃             | Humidity      | 45%      |
| RF specifications | U-NII           |               |          |

| 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

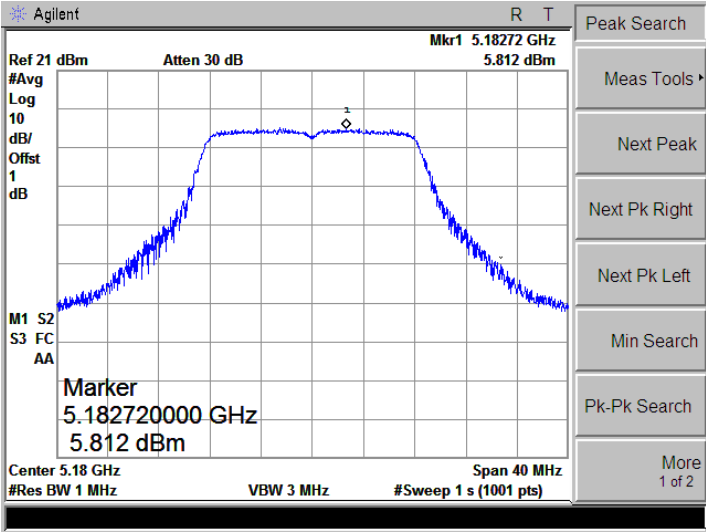
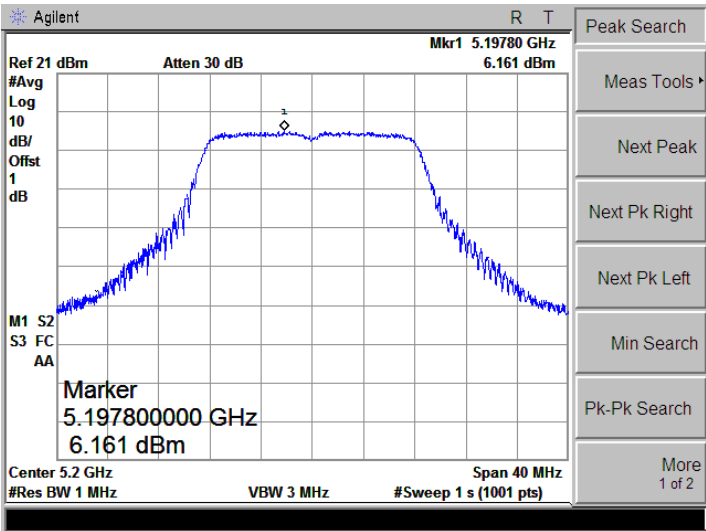
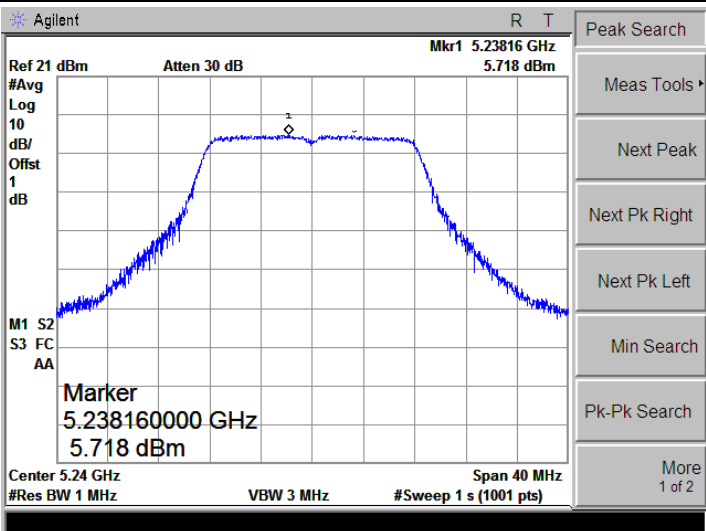
| Power Spectral Density |              |               |               |               |                 |
|------------------------|--------------|---------------|---------------|---------------|-----------------|
| U-NII-1:5150-5250MHz   |              |               |               |               |                 |
| Operating mode         | Test Channel | ANT 0 dBm/MHz | ANT 1 dBm/MHz | Total dBm/MHz | Limit (dBm/MHz) |
| 802.11a                | 5180         | 5.812         | 6.116         | /             | 11              |
|                        | 5200         | 6.161         | 5.441         | /             | 11              |
|                        | 5240         | 5.718         | 5.520         | /             | 11              |
| 802.11n-HT20           | 5180         | 3.598         | 3.659         | 6.639         | 11              |
|                        | 5200         | 3.793         | 3.636         | 6.726         | 11              |
|                        | 5240         | 4.189         | 3.932         | 7.073         | 11              |
| 802.11n-HT40           | 5190         | -0.670        | -0.667        | 2.342         | 11              |
|                        | 5230         | -0.641        | -0.808        | 2.287         | 11              |
| 802.11ac-HT80          | 5210         | -4.210        | -4.852        | -1.509        | 11              |
| 802.11n-AX20           | 5180         | 2.129         | 1.881         | 5.017         | 11              |
|                        | 5200         | 1.588         | 1.983         | 4.800         | 11              |
|                        | 5240         | 2.045         | 2.163         | 5.115         | 11              |
| 802.11n-AX40           | 5190         | -2.540        | -2.756        | 0.364         | 11              |
|                        | 5230         | -2.664        | -3.187        | 0.093         | 11              |
| 802.11ac-AX80          | 5210         | -5.925        | -5.840        | -2.872        | 11              |

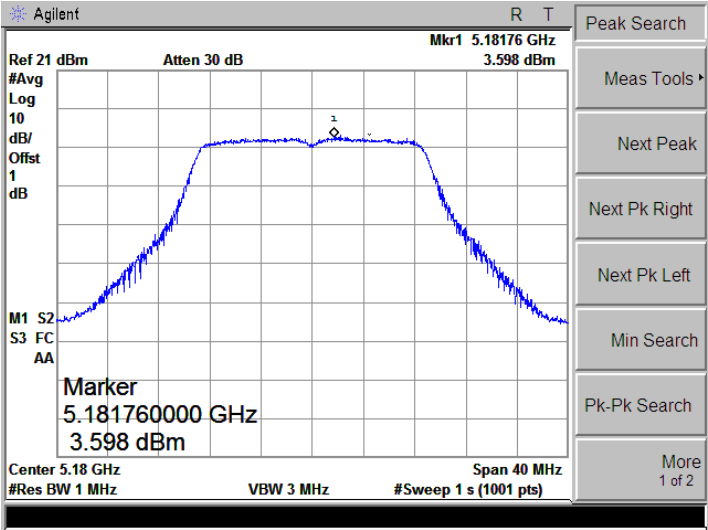
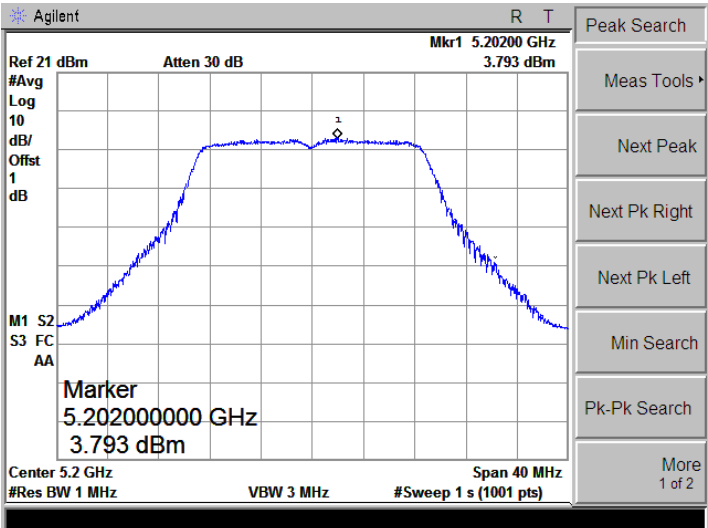
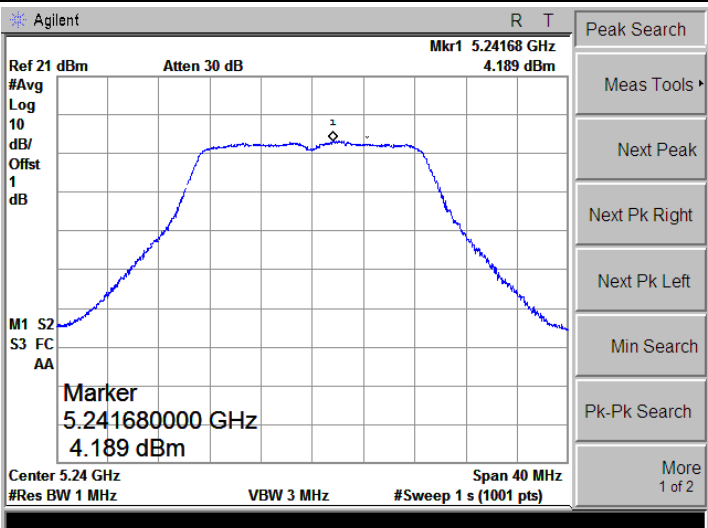
| Power Spectral Density                                  |              |                  |                  |        |                   |                   |                  |
|---------------------------------------------------------|--------------|------------------|------------------|--------|-------------------|-------------------|------------------|
| 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         | 0.633            | 0.386            | 2.22   | 2.853             | 2.606             | 30               |
|                                                         | 5785         | 0.376            | -0.096           | 2.22   | 2.596             | 2.124             | 30               |
|                                                         | 5825         | 0.371            | -0.026           | 2.22   | 2.591             | 2.194             | 30               |
| *Note: Factor=10log(500kHz/300kHz)=2.22                 |              |                  |                  |        |                   |                   |                  |
| *Note: Maximum PSD=PSD(dBm/300kHz)+10log(500kHz/300kHz) |              |                  |                  |        |                   |                   |                  |

| 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         | -1.359           | -1.462           | 2.22   | 3.820             | 30               |
|                        | 5785         | -1.510           | -2.020           | 2.22   | 3.473             | 30               |
|                        | 5825         | -1.653           | -2.182           | 2.22   | 3.321             | 30               |

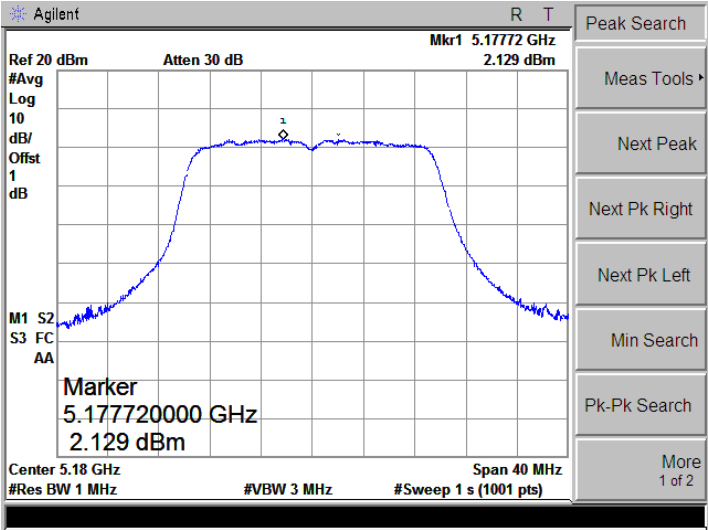
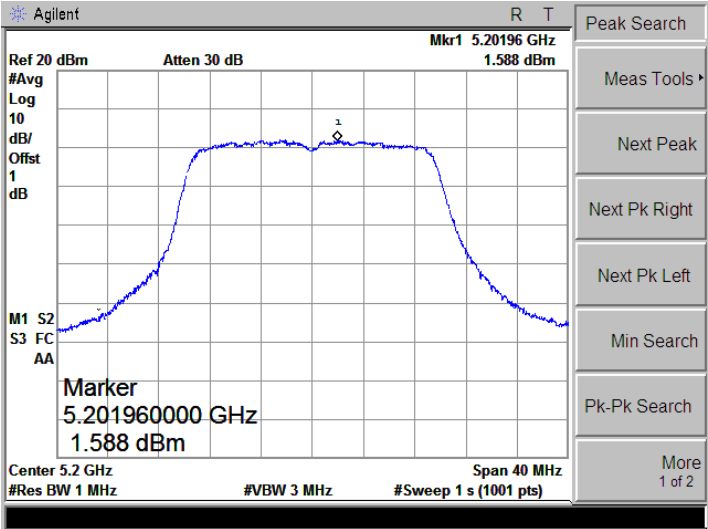
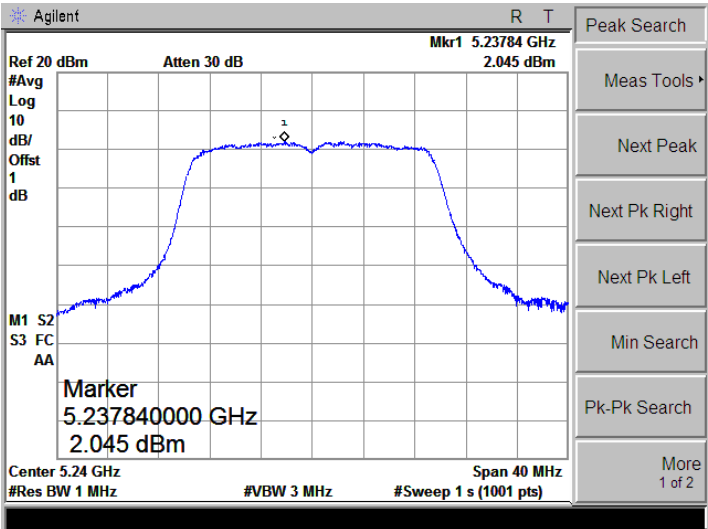
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|------------------------------------------------------------------------------------------------|------|---------|---------|------|--------|----|
| 802.11n HT40                                                                                   | 5755 | -5.481  | -5.278  | 2.22 | -0.148 | 30 |
|                                                                                                | 5795 | -6.557  | -5.792  | 2.22 | -0.927 | 30 |
| 802.11ac VH80                                                                                  | 5775 | -10.140 | -10.520 | 2.22 | -5.096 | 30 |
| 802.11n-AX20                                                                                   | 5745 | -1.681  | -1.681  | 2.22 | 3.549  | 30 |
|                                                                                                | 5785 | -2.616  | -2.616  | 2.22 | 2.614  | 30 |
|                                                                                                | 5825 | -2.418  | -2.418  | 2.22 | 2.812  | 30 |
| 802.11n AX40                                                                                   | 5755 | -6.365  | -6.365  | 2.22 | -1.135 | 30 |
|                                                                                                | 5795 | -7.150  | -7.150  | 2.22 | -1.920 | 30 |
| 802.11ac AX80                                                                                  | 5775 | -9.309  | -9.309  | 2.22 | -4.079 | 30 |
| *Note: Factor= $10\log(500\text{kHz}/300\text{kHz})=2.22$                                      |      |         |         |      |        |    |
| *Note: Maximum PSD= $\text{PSD}(\text{dBm}/300\text{kHz})+10\log(500\text{kHz}/300\text{kHz})$ |      |         |         |      |        |    |

ANT 0  
5150-5250MHz

|                |                                                                                      |
|----------------|--------------------------------------------------------------------------------------|
| 802.11a-Low    |    |
| 802.11a-Middle |   |
| 802.11a-High   |  |

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| 802.11n-HT20-Low    |    |
| 802.11n-HT20-Middle |   |
| 802.11n-HT20-High   |  |

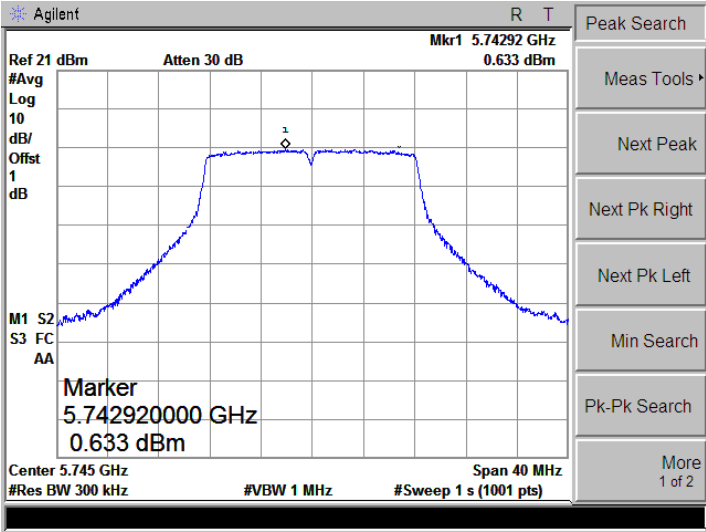
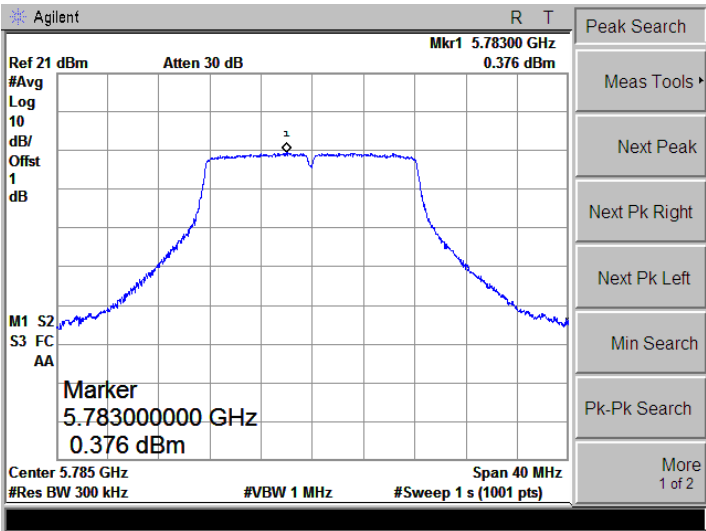
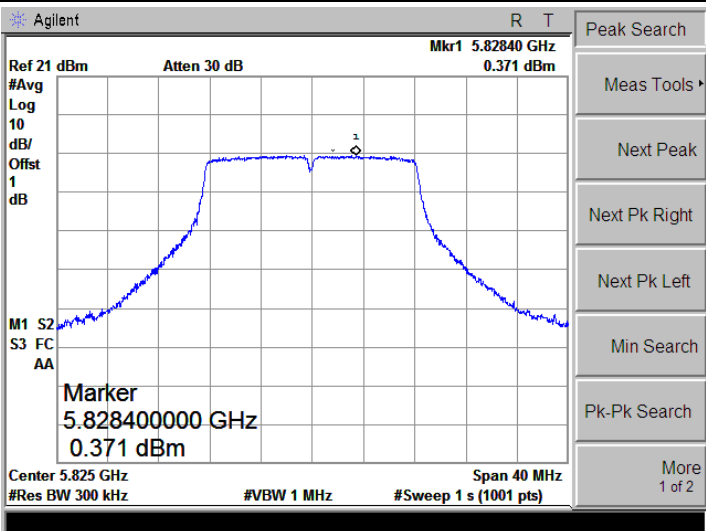
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-HT40-Low  | <div><div><div>Agilent</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.19880 GHz</div><div>-0.67 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.19880000 GHz</div><div>-0.67 dBm</div></div><div><div>Center 5.19 GHz</div><div>#Res BW 1 MHz</div><div>VBW 3 MHz</div><div>Span 80 MHz</div><div>#Sweep 1 s (1001 pts)</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More</div><div>1 of 2</div></div></div>    |
| 802.11n-HT40-High | <div><div><div>Agilent</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.22496 GHz</div><div>-0.641 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.224960000 GHz</div><div>-0.641 dBm</div></div><div><div>Center 5.23 GHz</div><div>#Res BW 1 MHz</div><div>VBW 3 MHz</div><div>Span 80 MHz</div><div>#Sweep 1 s (1001 pts)</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More</div><div>1 of 2</div></div></div> |
| 802.11ac-HT80     | <div><div><div>Agilent</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.19352 GHz</div><div>-4.21 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.193520000 GHz</div><div>-4.21 dBm</div></div><div><div>Center 5.21 GHz</div><div>Res BW 1 MHz</div><div>VBW 3 MHz</div><div>Span 160 MHz</div><div>#Sweep 1 s (1001 pts)</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More</div><div>1 of 2</div></div></div>   |

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| 802.11n-AX20-Low    |    |
| 802.11n-AX20-Middle |   |
| 802.11n-AX20-High   |  |

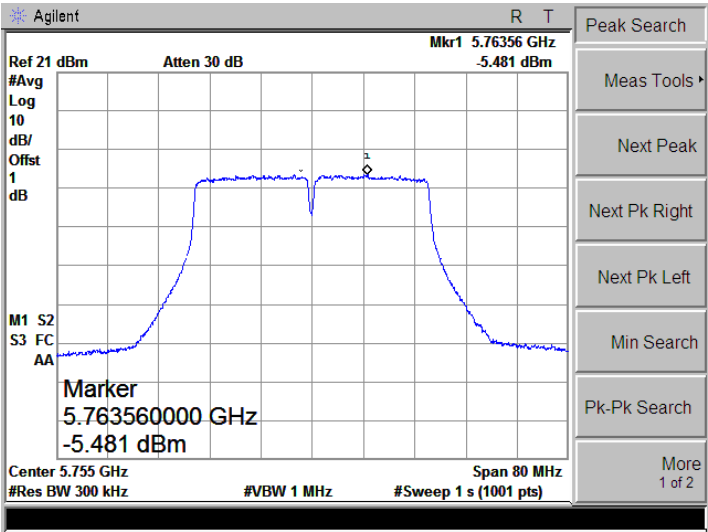
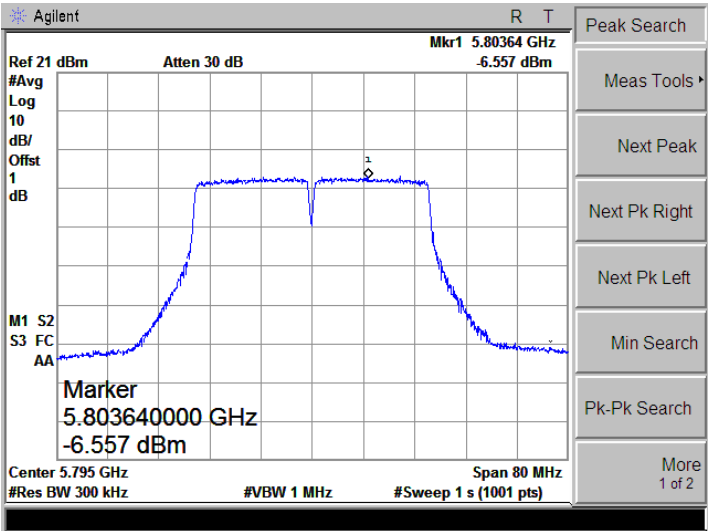
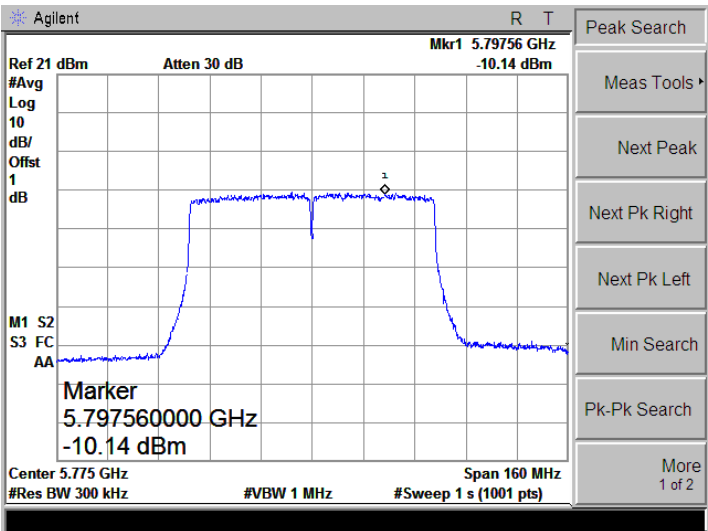


|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX40-Low  | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.19760 GHz</div><div>-2.54 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.197600000 GHz</div><div>-2.54 dBm</div></div><div><div>Center 5.19 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 80 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More</div><div>1 of 2</div></div></div>    |
| 802.11n-AX40-High | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.22664 GHz</div><div>-2.664 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.226640000 GHz</div><div>-2.664 dBm</div></div><div><div>Center 5.23 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 80 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More</div><div>1 of 2</div></div></div>  |
| 802.11ac-AX80     | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.23592 GHz</div><div>-5.925 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.235920000 GHz</div><div>-5.925 dBm</div></div><div><div>Center 5.21 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 160 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More</div><div>1 of 2</div></div></div> |

5725-5850MHz

|                |                                                                                      |
|----------------|--------------------------------------------------------------------------------------|
| 802.11a-Low    |    |
| 802.11a-Middle |   |
| 802.11a-High   |  |

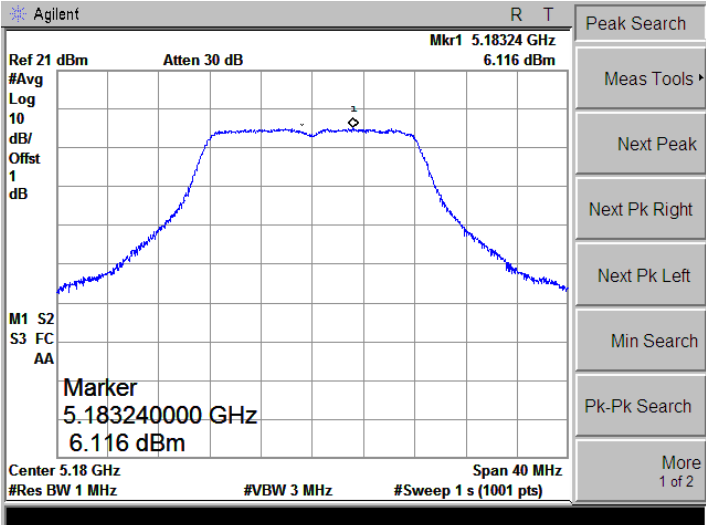
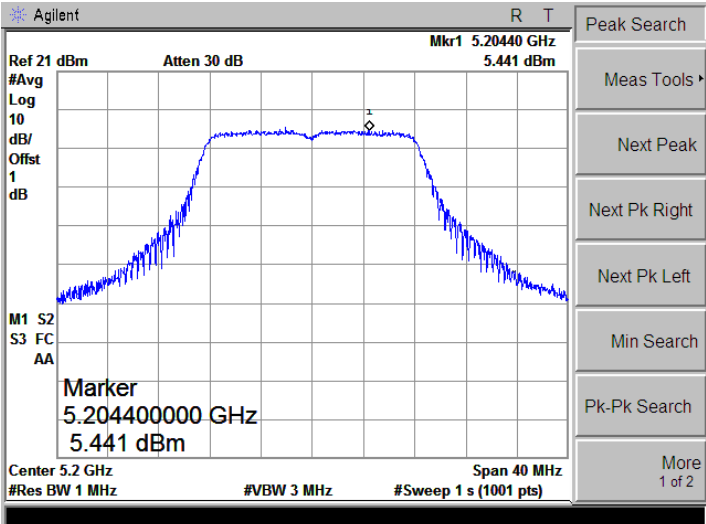
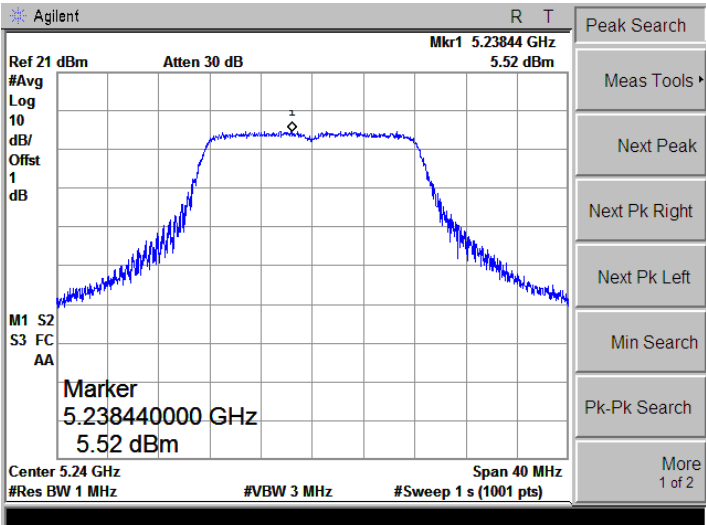
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-HT20-Low    | <div><div><div>Agilent</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.74244 GHz</div><div>-1.359 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Center 5.745 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 40 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More 1 of 2</div></div></div>                                                                            |
| 802.11n-HT20-Middle | <div><div><div>Agilent</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.78240 GHz</div><div>-1.51 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.782400000 GHz</div><div>-1.51 dBm</div></div><div><div>Center 5.785 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 40 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More 1 of 2</div></div></div>   |
| 802.11n-HT20-High   | <div><div><div>Agilent</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.82696 GHz</div><div>-1.653 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.826960000 GHz</div><div>-1.653 dBm</div></div><div><div>Center 5.825 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 40 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More 1 of 2</div></div></div> |

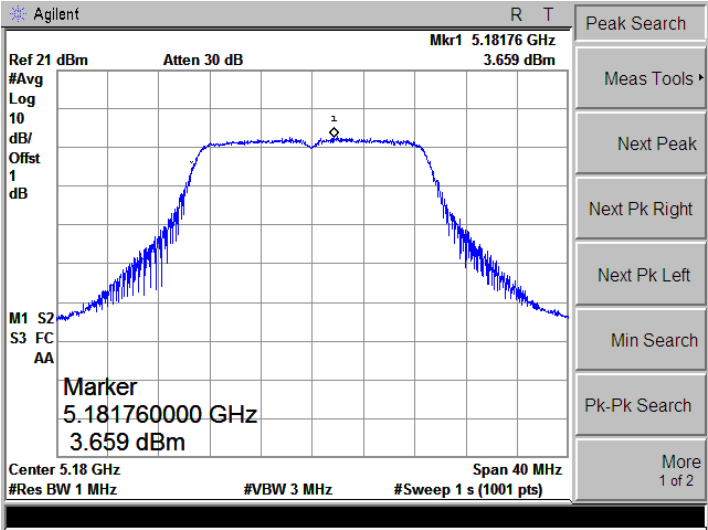
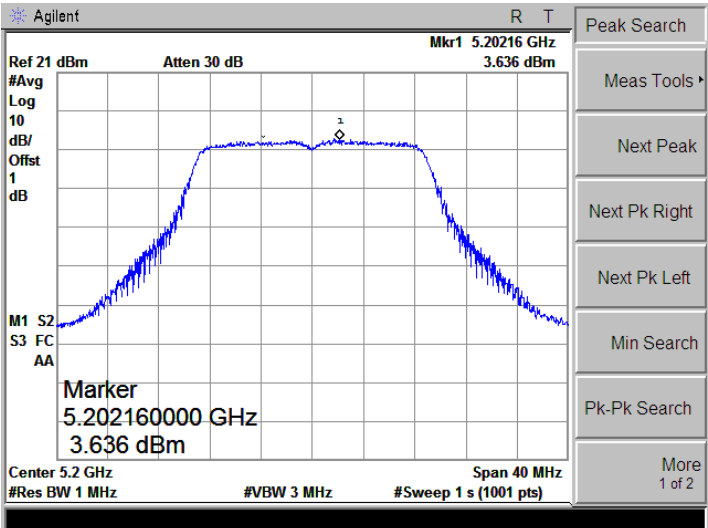
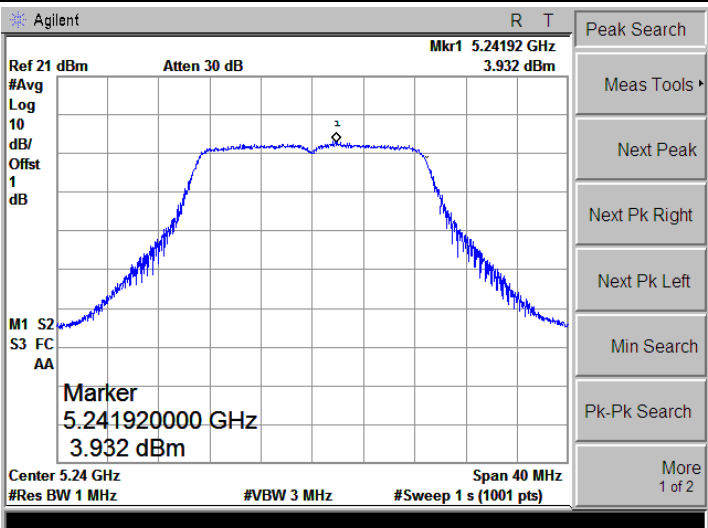
|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| 802.11n-HT40-Low  |    |
| 802.11n-HT40-High |   |
| 802.11ac-HT80     |  |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX20-Low    | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.73868 GHz</div><div>-1.681 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.738680000 GHz</div><div>-1.681 dBm</div></div><div><div>Center 5.745 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 40 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools ▶</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More 1 of 2</div></div></div> |
| 802.11n-AX20-Middle | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.77864 GHz</div><div>-2.616 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.778640000 GHz</div><div>-2.616 dBm</div></div><div><div>Center 5.785 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 40 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools ▶</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More 1 of 2</div></div></div> |
| 802.11n-AX20-High   | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.81868 GHz</div><div>-2.418 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.818680000 GHz</div><div>-2.418 dBm</div></div><div><div>Center 5.825 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 40 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools ▶</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More 1 of 2</div></div></div> |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX40-Low  | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.75244 GHz</div><div>-6.365 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.752440000 GHz</div><div>-6.365 dBm</div></div><div><div>Center 5.755 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 80 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More 1 of 2</div></div></div>  |
| 802.11n-AX40-High | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.80244 GHz</div><div>-7.15 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.802440000 GHz</div><div>-7.15 dBm</div></div><div><div>Center 5.795 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 80 MHz</div></div></div><div><div>Trace/View</div><div>1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                              |
| 802.11ac-AX80     | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.79244 GHz</div><div>-9.309 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.792440000 GHz</div><div>-9.309 dBm</div></div><div><div>Center 5.775 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 160 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More 1 of 2</div></div></div> |

ANT 1  
5150-5250MHz

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

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| 802.11n-HT20-Low    |    |
| 802.11n-HT20-Middle |   |
| 802.11n-HT20-High   |  |



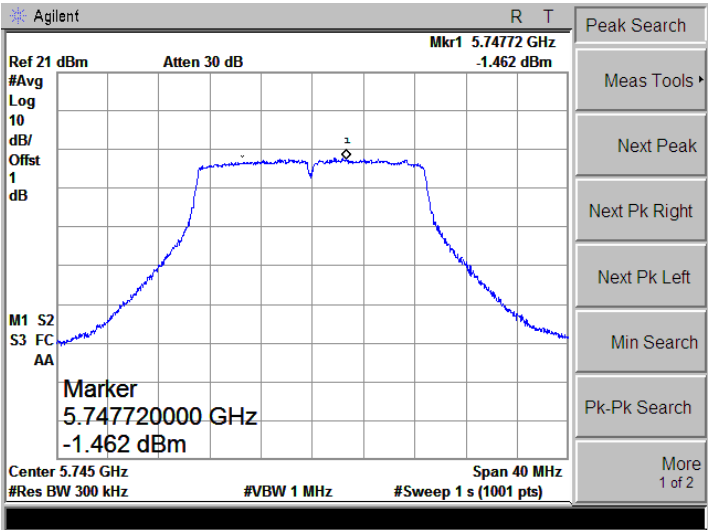
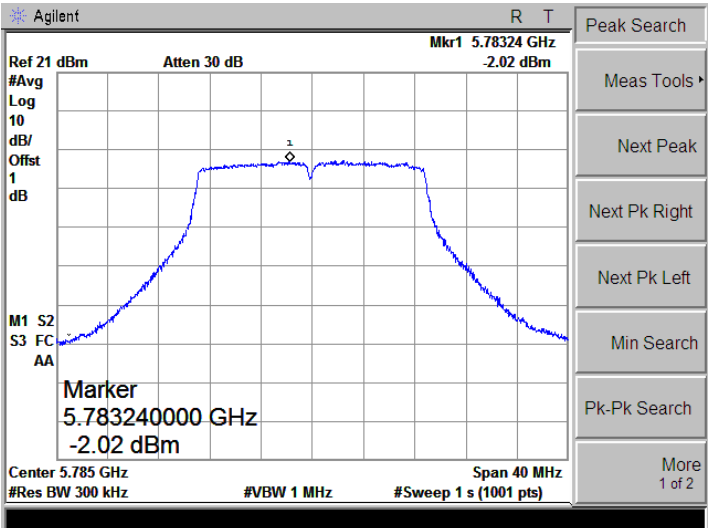
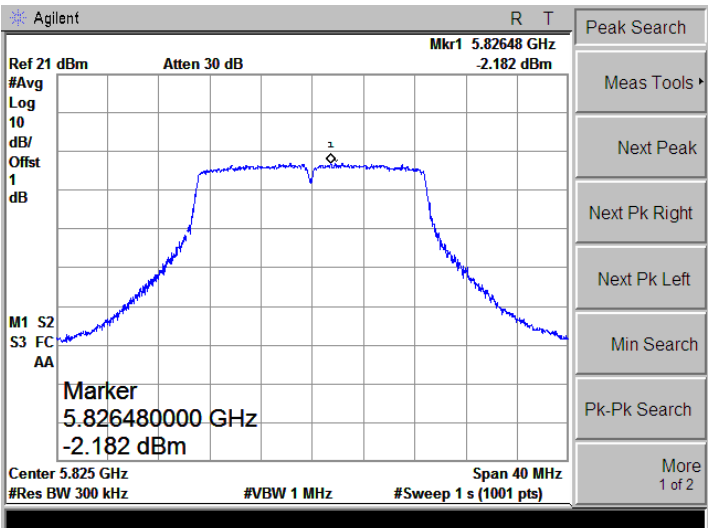
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-HT40-Low  | <div><div><div>Agilent</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.19208 GHz<br/>-0.667 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.192080000 GHz</div><div>-0.667 dBm</div></div><div><div>Center 5.19 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 80 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools ▶</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More<br/>1 of 2</div></div></div>  |
| 802.11n-HT40-High | <div><div><div>Agilent</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.23440 GHz<br/>-0.808 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.234400000 GHz</div><div>-0.808 dBm</div></div><div><div>Center 5.23 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 80 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools ▶</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More<br/>1 of 2</div></div></div>  |
| 802.11ac-HT80     | <div><div><div>Agilent</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.22488 GHz<br/>-4.852 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.224880000 GHz</div><div>-4.852 dBm</div></div><div><div>Center 5.21 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 160 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools ▶</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More<br/>1 of 2</div></div></div> |

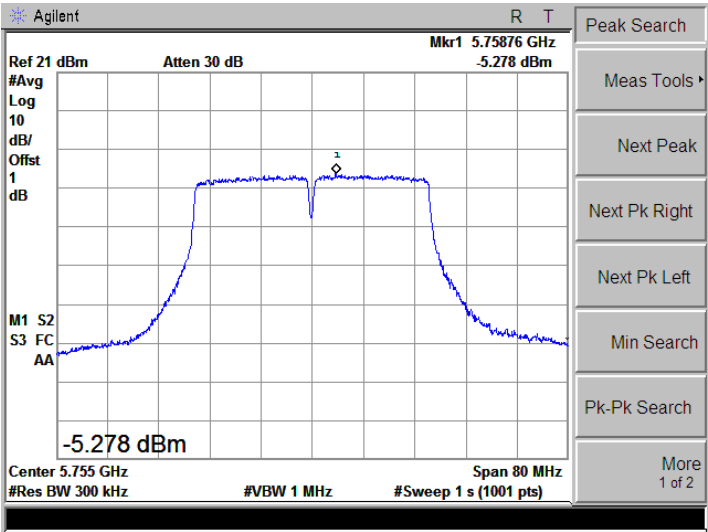
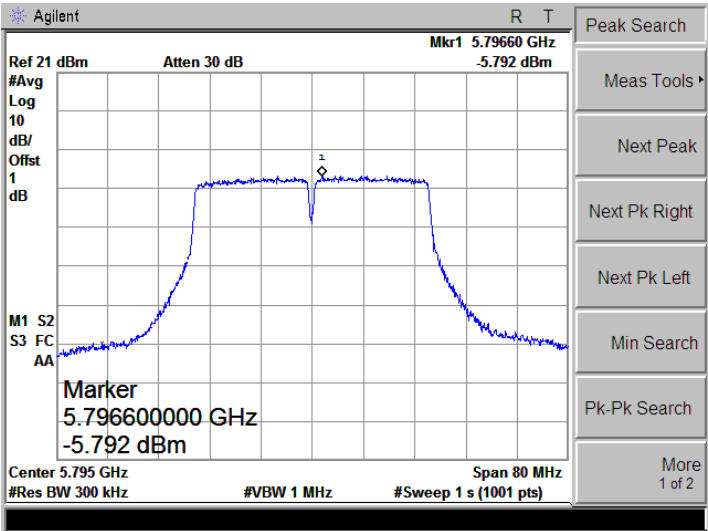
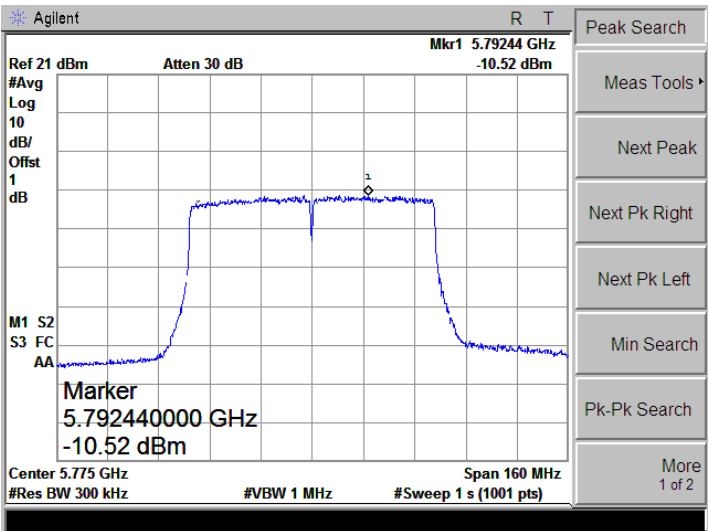
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX20-Low    | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.17352 GHz</div><div>1.881 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.173520000 GHz</div><div>1.881 dBm</div></div><div><div>Center 5.18 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 40 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More</div><div>1 of 2</div></div></div> |
| 802.11n-AX20-Middle | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.19772 GHz</div><div>1.983 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.197720000 GHz</div><div>1.983 dBm</div></div><div><div>Center 5.2 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 40 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More</div><div>1 of 2</div></div></div>  |
| 802.11n-AX20-High   | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.23784 GHz</div><div>2.163 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.237840000 GHz</div><div>2.163 dBm</div></div><div><div>Center 5.24 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 40 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More</div><div>1 of 2</div></div></div> |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX40-Low  | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.19384 GHz</div><div>-2.756 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.193840000 GHz</div><div>-2.756 dBm</div></div><div><div>Center 5.19 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 80 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More 1 of 2</div></div></div> |
| 802.11n-AX40-High | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.22664 GHz</div><div>-3.187 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.226640000 GHz</div><div>-3.187 dBm</div></div><div><div>Center 5.23 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 80 MHz</div></div></div><div><div>Trace/View</div><div>1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                           |
| 802.11ac-AX80     | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.18472 GHz</div><div>-5.84 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.184720000 GHz</div><div>-5.84 dBm</div></div><div><div>Center 5.21 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 160 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More 1 of 2</div></div></div>  |

5725-5850MHz

|                |  |
|----------------|--|
| 802.11a-Low    |  |
| 802.11a-Middle |  |
| 802.11a-High   |  |

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| 802.11n-HT20-Low    |    |
| 802.11n-HT20-Middle |   |
| 802.11n-HT20-High   |  |

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| 802.11n-HT40-Low  |    |
| 802.11n-HT40-High |   |
| 802.11ac-HT80     |  |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX20-Low    | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.73868 GHz</div><div>-1.681 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.738680000 GHz</div><div>-1.681 dBm</div></div><div><div>Center 5.745 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 40 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More</div><div>1 of 2</div></div></div> |
| 802.11n-AX20-Middle | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.77864 GHz</div><div>-2.616 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.778640000 GHz</div><div>-2.616 dBm</div></div><div><div>Center 5.785 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 40 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More</div><div>1 of 2</div></div></div> |
| 802.11n-AX20-High   | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.81868 GHz</div><div>-2.418 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.818680000 GHz</div><div>-2.418 dBm</div></div><div><div>Center 5.825 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>#Sweep 1 s (1001 pts)</div><div>Span 40 MHz</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More</div><div>1 of 2</div></div></div> |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX40-Low  | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.75244 GHz</div><div>-6.365 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.752440000 GHz</div><div>-6.365 dBm</div></div><div><div>Center 5.755 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Span 80 MHz</div><div>#Sweep 1 s (1001 pts)</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More 1 of 2</div></div></div>  |
| 802.11n-AX40-High | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.80244 GHz</div><div>-7.15 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Center 5.795 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Span 80 MHz</div><div>#Sweep 1 s (1001 pts)</div></div></div><div><div>Trace/View</div><div>1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                        |
| 802.11ac-AX80     | <div><div><div>Agilent</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>Mkr1 5.79244 GHz</div><div>-9.309 dBm</div></div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>M1 S2</div><div>S3 FC</div><div>AA</div></div><div><div>Marker</div><div>5.792440000 GHz</div><div>-9.309 dBm</div></div><div><div>Center 5.775 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Span 160 MHz</div><div>#Sweep 1 s (1001 pts)</div></div></div><div><div>Peak Search</div><div>Meas Tools</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Min Search</div><div>Pk-Pk Search</div><div>More 1 of 2</div></div></div> |



## APPENDIX B

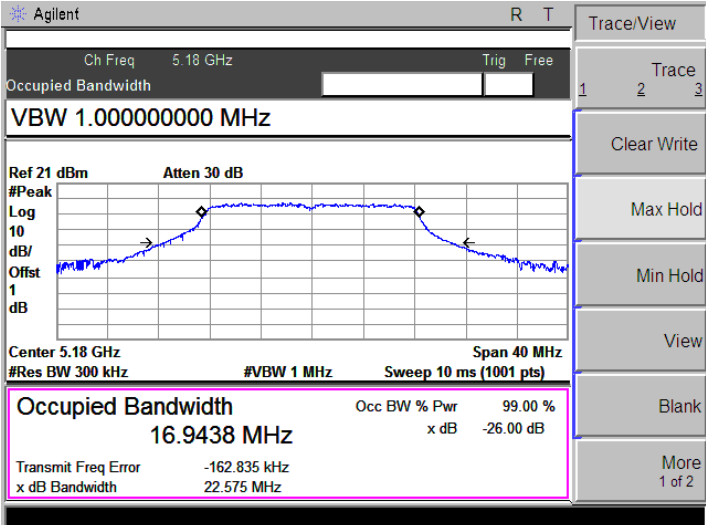
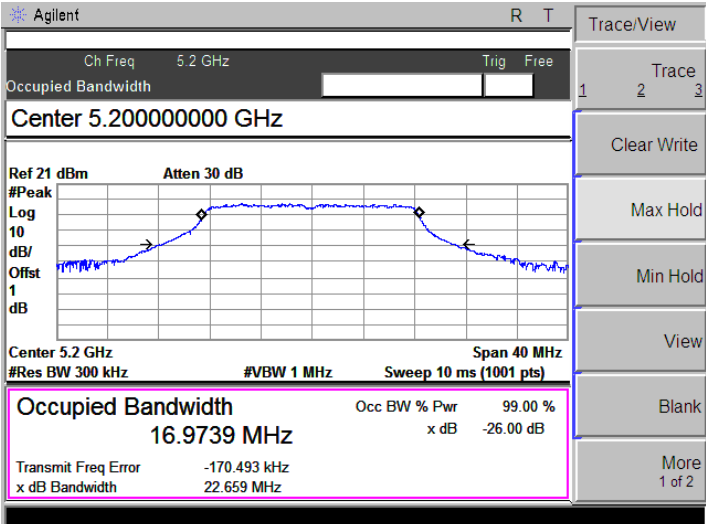
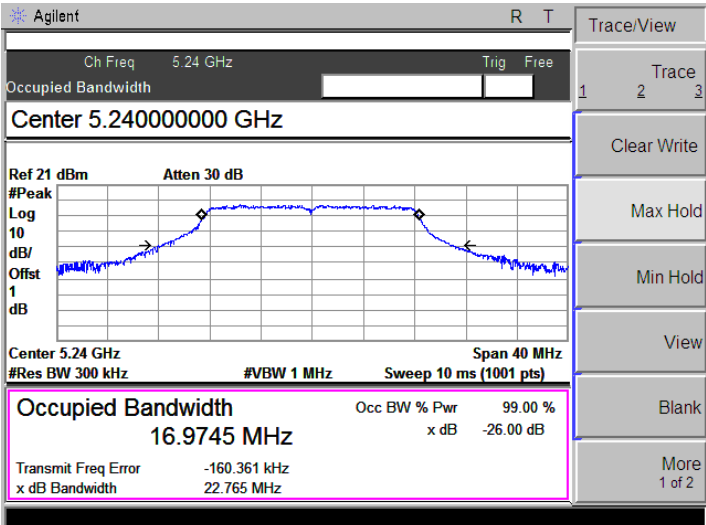
### Emission Bandwidth and Occupied Bandwidth

| 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             | 22.575              | 16.9438           | 29.195              | 18.1414           | Pass   |
|                      | 5200             | 22.659              | 16.9739           | 22.815              | 17.0070           | Pass   |
|                      | 5240             | 22.765              | 16.9745           | 22.800              | 17.0084           | Pass   |
| 802.11n-HT20         | 5180             | 24.151              | 18.1415           | 24.086              | 18.1072           | Pass   |
|                      | 5200             | 24.128              | 18.2312           | 23.862              | 18.0788           | Pass   |
|                      | 5240             | 23.861              | 18.1601           | 24.205              | 18.1461           | Pass   |
| 802.11n-HT40         | 5190             | 43.041              | 36.2948           | 42.763              | 36.2878           | Pass   |
|                      | 5230             | 43.267              | 36.3069           | 42.766              | 36.2765           | Pass   |
| 802.11ac-HT80        | 5210             | 84.779              | 75.7306           | 84.997              | 75.7082           | Pass   |
| 802.11n-AX20         | 5180             | 23.308              | 19.0305           | 23.406              | 19.0225           | Pass   |
|                      | 5200             | 23.263              | 19.0297           | 23.444              | 19.0373           | Pass   |
|                      | 5240             | 23.380              | 19.0316           | 23.259              | 19.0231           | Pass   |
| 802.11n-AX40         | 5190             | 42.596              | 37.8178           | 42.354              | 37.8094           | Pass   |
|                      | 5230             | 42.851              | 37.8185           | 42.570              | 37.8074           | Pass   |
| 802.11ac-AX80        | 5210             | 81.814              | 76.7991           | 81.804              | 76.7313           | 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             | 16.308             | 17.0167           | 16.340             | 17.0958           | ≥500      |
|                       | 5785             | 16.346             | 17.0046           | 16.346             | 17.1053           | ≥500      |
|                       | 5825             | 16.342             | 16.9878           | 16.330             | 16.9801           | ≥500      |
| 802.11n-HT20          | 5745             | 17.456             | 18.1388           | 17.544             | 18.1141           | ≥500      |
|                       | 5785             | 17.510             | 18.1223           | 17.560             | 18.1624           | ≥500      |
|                       | 5825             | 17.535             | 18.1758           | 17.560             | 18.1733           | ≥500      |
| 802.11n-HT40          | 5755             | 36.341             | 36.3243           | 36.107             | 36.3151           | ≥500      |
|                       | 5795             | 36.300             | 36.3388           | 36.355             | 36.3440           | ≥500      |
| 802.11ac-HT80         | 5775             | 75.336             | 75.7455           | 75.523             | 75.8244           | ≥500      |

|               |      |        |         |        |         |      |
|---------------|------|--------|---------|--------|---------|------|
| 802.11n-AX20  | 5180 | 18.402 | 19.0140 | 18.398 | 19.0143 | Pass |
|               | 5200 | 18.403 | 19.0265 | 18.393 | 19.0288 | Pass |
|               | 5240 | 18.830 | 19.0092 | 18.830 | 19.0054 | Pass |
| 802.11n-AX40  | 5190 | 37.999 | 37.8035 | 37.726 | 37.8061 | Pass |
|               | 5230 | 37.848 | 37.8100 | 37.844 | 37.7964 | Pass |
| 802.11ac-AX80 | 5210 | 76.440 | 76.7256 | 76.467 | 76.7308 | Pass |

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>VBW 1.00000000 MHz</p> <p>Ref 21 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 16.9438 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -162.835 kHz</p> <p>x dB Bandwidth 22.575 MHz</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-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 21 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 16.9739 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -170.493 kHz</p> <p>x dB Bandwidth 22.659 MHz</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>Occupied Bandwidth</p> <p>Center 5.24000000 GHz</p> <p>Ref 21 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 16.9745 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -160.361 kHz</p> <p>x dB Bandwidth 22.765 MHz</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> |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-HT20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.18 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div></div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.18 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>18.1415 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -75.235 kHz</div><div>x dB Bandwidth 24.151 MHz</div></div></div> <div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div>                                            |
| 802.11n-HT20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.2 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div></div><div><div>Center 5.20000000 GHz</div></div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.2 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>18.2312 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -71.539 kHz</div><div>x dB Bandwidth 24.128 MHz</div></div></div> <div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div>   |
| 802.11n-HT20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.24 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div></div><div><div>Center 5.24000000 GHz</div></div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.24 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>18.1601 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -91.119 kHz</div><div>x dB Bandwidth 23.861 MHz</div></div></div> <div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div> |

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|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-HT40-Low  | <div><div><div>Agilent</div><div>Ch Freq 5.19 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Span 80.00000000 MHz</div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.19 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div><div>Occupied Bandwidth</div><div>36.2948 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>-58.901 kHz</div><div>x dB Bandwidth</div><div>43.041 MHz</div></div><div><div>Trace/View</div><div>Trace</div><div>1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>   |
| 802.11n-HT40-High | <div><div><div>Agilent</div><div>Ch Freq 5.23 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Center 5.230000000 GHz</div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.23 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div><div>Occupied Bandwidth</div><div>36.3069 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>-60.470 kHz</div><div>x dB Bandwidth</div><div>43.267 MHz</div></div><div><div>Trace/View</div><div>Trace</div><div>1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div> |
| 802.11ac-HT80     | <div><div><div>Agilent</div><div>Ch Freq 5.21 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>VBW 3.000000000 MHz</div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.21 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 160 MHz</div><div>Occupied Bandwidth</div><div>75.7306 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>26.404 kHz</div><div>x dB Bandwidth</div><div>84.779 MHz</div></div><div><div>Trace/View</div><div>Trace</div><div>1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>      |

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| 802.11n-AX20-Low    | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ch Freq</div><div>5.18 GHz</div><div>Trig</div><div>Free</div></div><div>Occupied Bandwidth</div><div>VBW 1.000000000 MHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.18 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>19.0305 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>10.979 kHz</div><div>x dB Bandwidth</div><div>23.308 MHz</div></div></div><div><div>Trace/View</div><div>1 2 3</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>                                                                                                                                                                               |
| 802.11n-AX20-Middle | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ch Freq</div><div>5.2 GHz</div><div>Trig</div><div>Free</div></div><div>Occupied Bandwidth</div><div></div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.2 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>19.0297 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>5.632 kHz</div><div>x dB Bandwidth</div><div>23.263 MHz</div></div></div><div><div>Trace/View</div><div>1 2 3</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>                                                                                                                                                                                                     |
| 802.11n-AX20-High   | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ch Freq</div><div>5.24 GHz</div><div>Trig</div><div>Free</div></div><div>Occupied Bandwidth</div><div>Center 5.240000000 GHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.24 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>19.0316 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>9.062 kHz</div><div>x dB Bandwidth</div><div>23.380 MHz</div></div></div><div><div>Freq/Channel</div><div>Center Freq</div><div>5.24000000 GHz</div><div>Start Freq</div><div>5.22000000 GHz</div><div>Stop Freq</div><div>5.26000000 GHz</div><div>CF Step</div><div>4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset</div><div>0.00000000 Hz</div><div>Signal Track</div><div>On Off</div><div>Scale Type</div><div>Log Lin</div></div></div> |

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| 802.11n-AX40-Low  | <div><div><div>Agilent</div><div>Ch Freq 5.19 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Center 5.190000000 GHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.19 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Occupied Bandwidth</div><div>37.8178 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>4.196 kHz</div><div>x dB Bandwidth</div><div>42.596 MHz</div></div></div><div><div>Freq/Channel</div><div>Center Freq</div><div>5.19000000 GHz</div><div>Start Freq</div><div>5.15000000 GHz</div><div>Stop Freq</div><div>5.23000000 GHz</div><div>CF Step</div><div>8.00000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0.00000000 Hz</div><div>Signal Track</div><div>On</div><div>Off</div><div>Scale Type</div><div>Log</div><div>Lin</div></div></div> |
| 802.11n-AX40-High | <div><div><div>Agilent</div><div>Ch Freq 5.23 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Center 5.230000000 GHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.23 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Occupied Bandwidth</div><div>37.8185 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>12.116 kHz</div><div>x dB Bandwidth</div><div>42.851 MHz</div></div></div><div><div>Trace/View</div><div>1</div><div>Trace</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>                                                                                                                                                                                      |
| 802.11ac-AX80     | <div><div><div>Agilent</div><div>Ch Freq 5.21 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>VBW 3.000000000 MHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.21 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 160 MHz</div></div><div><div>Occupied Bandwidth</div><div>76.7991 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>82.913 kHz</div><div>x dB Bandwidth</div><div>81.814 MHz</div></div></div><div><div>Meas Setup</div><div>Avg Number</div><div>10</div><div>On</div><div>Off</div><div>Avg Mode</div><div>Exp</div><div>Repeat</div><div>Max Hold</div><div>On</div><div>Off</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>OBW Spar</div><div>160.000000 MHz</div><div>x dB</div><div>-26.00 dB</div><div>Optimize</div><div>Ref Level</div></div></div>                                             |

5725-5850MHz  
6DB

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| 802.11a-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Occupied Bandwidth</div><div>Span 40.00000000 MHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.745 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>16.4649 MHz</div><div>Transmit Freq Error</div><div>-109.840 kHz</div><div>x dB Bandwidth</div><div>16.308 MHz</div></div><div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div></div></div><div><div>Trace/View</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                                                                 |
| 802.11a-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Occupied Bandwidth</div><div>Center 5.785000000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.785 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>16.4662 MHz</div><div>Transmit Freq Error</div><div>-107.479 kHz</div><div>x dB Bandwidth</div><div>16.346 MHz</div></div><div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div></div></div><div><div>Trace/View</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                                                               |
| 802.11a-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Occupied Bandwidth</div><div>Center 5.825000000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.825 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>16.4827 MHz</div><div>Transmit Freq Error</div><div>-116.355 kHz</div><div>x dB Bandwidth</div><div>16.342 MHz</div></div><div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div></div></div><div><div>Freq/Channel</div><div>Center Freq 5.82500000 GHz</div><div>Start Freq 5.80500000 GHz</div><div>Stop Freq 5.84500000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On</div><div>Off</div><div>Scale Type Log</div><div>Lin</div></div></div> |



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| 802.11n-HT20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Occupied Bandwidth</div><div>Center 5.74500000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.745 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>17.6569 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>-91.009 kHz</div><div>x dB Bandwidth</div><div>17.546 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |
| 802.11n-HT20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Occupied Bandwidth</div><div>Center 5.78500000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.785 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>17.6448 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>-89.469 kHz</div><div>x dB Bandwidth</div><div>17.510 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |
| 802.11n-HT20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Occupied Bandwidth</div><div>Center 5.82500000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.825 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>17.6558 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>-88.404 kHz</div><div>x dB Bandwidth</div><div>17.535 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |

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| 802.11n-HT40-Low  | <div><div><div>Agilent</div><div>Ch Freq 5.756 GHz</div><div>Occupied Bandwidth</div><div>Center 5.755000000 GHz</div><div><div>Ref 21 dBm</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div>Center 5.755 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div><div>Occupied Bandwidth</div><div>36.1200 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>-75.924 kHz</div><div>x dB Bandwidth</div><div>36.341 MHz</div></div><div><div>Freq/Channel</div><div>Center Freq</div><div>5.75500000 GHz</div><div>Start Freq</div><div>5.71500000 GHz</div><div>Stop Freq</div><div>5.79500000 GHz</div><div>CF Step</div><div>8.00000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0.00000000 Hz</div><div>Signal Track</div><div>On</div><div>Off</div><div>Scale Type</div><div>Log</div><div>Lin</div></div></div> |
| 802.11n-HT40-High | <div><div><div>Agilent</div><div>Ch Freq 5.795 GHz</div><div>Occupied Bandwidth</div><div>Center 5.795000000 GHz</div><div><div>Ref 21 dBm</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div>Center 5.795 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div><div>Occupied Bandwidth</div><div>36.1184 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>-80.152 kHz</div><div>x dB Bandwidth</div><div>36.300 MHz</div></div><div><div>Trace/View</div><div>1</div><div>Trace</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>                                                                                                                                                                                       |
| 802.11ac-HT80     | <div><div><div>Agilent</div><div>Ch Freq 5.775 GHz</div><div>Occupied Bandwidth</div><div>Center 5.775 GHz</div><div><div>Ref 21 dBm</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div>Center 5.775 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 16.58 ms (1001 pts)</div><div>Span 160 MHz</div><div>Occupied Bandwidth</div><div>75.3213 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>-33.409 kHz</div><div>x dB Bandwidth</div><div>75.336 MHz</div></div><div><div>Trace/View</div><div>1</div><div>Trace</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>                                                                                                                                                                                         |

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| 802.11n-AX20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.745 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>18.8839 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error 9.468 kHz</div><div>x dB Bandwidth 18.402 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div></div>                                            |
| 802.11n-AX20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div><div>Center 5.78500000 GHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.785 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>18.8827 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error 7.867 kHz</div><div>x dB Bandwidth 18.403 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div></div></div> |
| 802.11n-AX20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.825 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>18.8881 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error -496.045 Hz</div><div>x dB Bandwidth 18.830 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div></div></div>                               |

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| 802.11n-AX40-Low  | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ch Freq 5.755 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Span 80.00000000 MHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.755 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Occupied Bandwidth</div><div>37.7515 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error -22.234 kHz</div><div>x dB Bandwidth 37.999 MHz</div></div></div></div><div><div>Span</div><div>Span 80.00000000 MHz</div><div>Span Zoom</div><div>Full Span</div><div>Zero Span</div><div>Last Span</div><div>Zone</div></div></div> |
| 802.11n-AX40-High | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ch Freq 5.795 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div><div>Trace/View</div><div>1 2 3</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.795 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Occupied Bandwidth</div><div>37.7504 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error -25.709 kHz</div><div>x dB Bandwidth 37.848 MHz</div></div></div></div>       |
| 802.11ac-AX80     | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ch Freq 5.775 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div><div>Trace/View</div><div>1 2 3</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.775 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 16.58 ms (1001 pts)</div><div>Span 160 MHz</div></div><div><div>Occupied Bandwidth</div><div>76.6986 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error 12.816 kHz</div><div>x dB Bandwidth 76.440 MHz</div></div></div></div>    |

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| 802.11a-Low    | <div><div><div><div>Agilent</div><div>R</div><div>T</div></div><div><div>Ch Freq</div><div>5.745 GHz</div><div>Trig</div><div>Free</div></div><div>Occupied Bandwidth</div><div>Span 40.00000000 MHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.745 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>17.0167 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>-155.894 kHz</div><div>x dB Bandwidth</div><div>22.697 MHz</div></div></div><div><div>Trace/View</div><div>1</div><div>Trace</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>                                                                                                                                                                                         |
| 802.11a-Middle | <div><div><div><div>Agilent</div><div>R</div><div>T</div></div><div><div>Ch Freq</div><div>5.785 GHz</div><div>Trig</div><div>Free</div></div><div>Occupied Bandwidth</div><div>Center 5.785000000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.785 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>17.0046 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>-162.480 kHz</div><div>x dB Bandwidth</div><div>22.883 MHz</div></div></div><div><div>Freq/Channel</div><div>Center Freq</div><div>5.78500000 GHz</div><div>Start Freq</div><div>5.76500000 GHz</div><div>Stop Freq</div><div>5.80500000 GHz</div><div>CF Step</div><div>4.00000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0.00000000 Hz</div><div>Signal Track</div><div>On</div><div>Off</div><div>Scale Type</div><div>Log</div><div>Lin</div></div></div> |
| 802.11a-High   | <div><div><div><div>Agilent</div><div>R</div><div>T</div></div><div><div>Ch Freq</div><div>5.825 GHz</div><div>Trig</div><div>Free</div></div><div>Occupied Bandwidth</div><div>Center 5.825000000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.825 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>16.9878 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>-160.267 kHz</div><div>x dB Bandwidth</div><div>22.673 MHz</div></div></div><div><div>Trace/View</div><div>1</div><div>Trace</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>                                                                                                                                                                                       |

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| 802.11n-HT20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Occupied Bandwidth</div><div>Center 5.74500000 GHz</div><div><div>Ref 21 dBm</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div>Center 5.745 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>18.1388 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -73.250 kHz</div><div>x dB Bandwidth 24.349 MHz</div></div><div><div>Freq/Channel</div><div>Center Freq 5.74500000 GHz</div><div>Start Freq 5.72500000 GHz</div><div>Stop Freq 5.76500000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On</div><div>Off</div><div>Scale Type Log</div><div>Lin</div></div></div> |
| 802.11n-HT20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Occupied Bandwidth</div><div>Center 5.78500000 GHz</div><div><div>Ref 21 dBm</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div>Center 5.785 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>18.1223 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -90.295 kHz</div><div>x dB Bandwidth 24.099 MHz</div></div><div><div>Trace/View</div><div>1</div><div>Trace</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                           |
| 802.11n-HT20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Occupied Bandwidth</div><div>Center 5.82500000 GHz</div><div><div>Ref 21 dBm</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div>Center 5.825 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>18.1758 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -77.321 kHz</div><div>x dB Bandwidth 24.458 MHz</div></div><div><div>Trace/View</div><div>1</div><div>Trace</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                           |

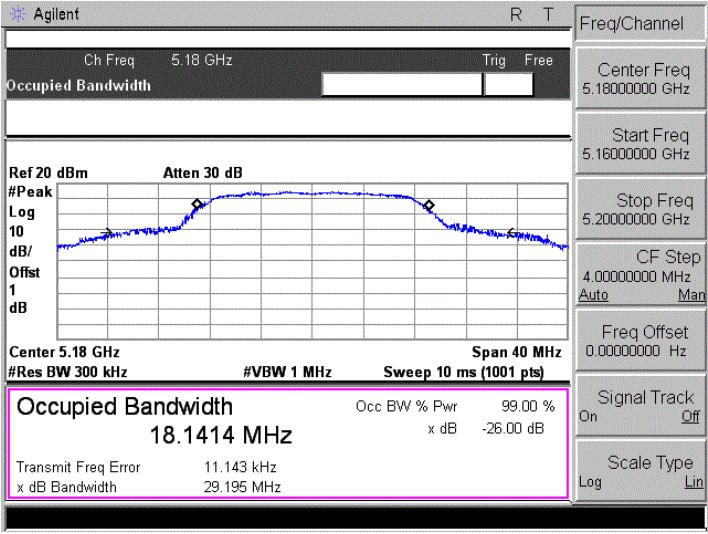
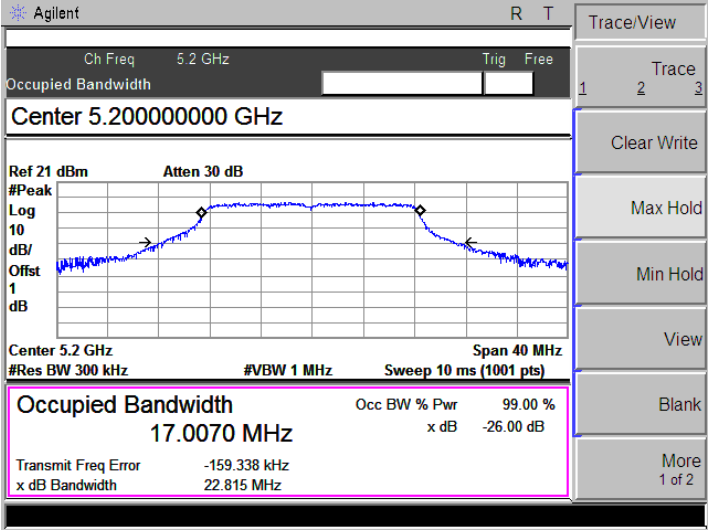
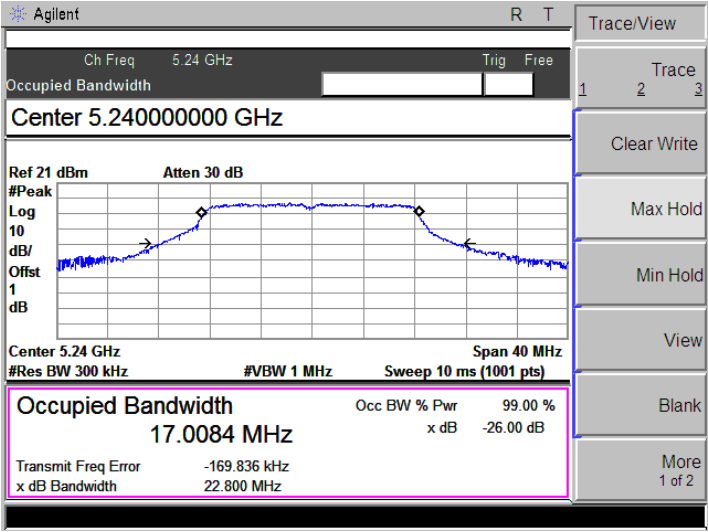
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| 802.11n-HT40-Low  | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ch Freq 5.755 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Span 80.00000000 MHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.755 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Occupied Bandwidth</div><div>36.3243 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -46.370 kHz</div><div>x dB Bandwidth 43.056 MHz</div></div></div></div><div><div>Span</div><div>Span 80.00000000 MHz</div><div>Span Zoom</div><div>Full Span</div><div>Zero Span</div><div>Last Span</div><div>Zone ▶</div></div></div>                       |
| 802.11n-HT40-High | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ch Freq 5.795 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div><div>Trace/View</div><div>1 2 3</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.795 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Occupied Bandwidth</div><div>36.3388 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -31.486 kHz</div><div>x dB Bandwidth 42.727 MHz</div></div></div></div>                               |
| 802.11ac-HT80     | <div><div><div><div>Agilent</div><div>R T</div></div><div><div>Ch Freq 5.775 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Span 160.00000000 MHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.775 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 160 MHz</div></div><div><div>Occupied Bandwidth</div><div>75.7455 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 93.534 kHz</div><div>x dB Bandwidth 85.160 MHz</div></div></div></div><div><div>Trace/View</div><div>1 2 3</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Occupied Bandwidth</div><div>Center 5.74500000 GHz</div><div><div>Ref 20 dBm</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div>Center 5.745 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>19.0140 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 11.827 kHz</div><div>x dB Bandwidth 23.155 MHz</div></div><div><div>Freq/Channel</div><div>Center Freq 5.74500000 GHz</div><div>Start Freq 5.72500000 GHz</div><div>Stop Freq 5.76500000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On</div><div>Off</div><div>Scale Type Log</div><div>Lin</div></div></div> |
| 802.11n-AX20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Occupied Bandwidth</div><div>Center 5.78500000 GHz</div><div><div>Ref 20 dBm</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div>Center 5.785 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>19.0265 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 24.197 kHz</div><div>x dB Bandwidth 22.985 MHz</div></div><div><div>Trace/View</div><div>1</div><div>Trace</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                           |
| 802.11n-AX20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Occupied Bandwidth</div><div>Center 5.82500000 GHz</div><div><div>Ref 20 dBm</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div>Center 5.825 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>19.0092 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 9.554 kHz</div><div>x dB Bandwidth 23.073 MHz</div></div><div><div>Trace/View</div><div>1</div><div>Trace</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                            |



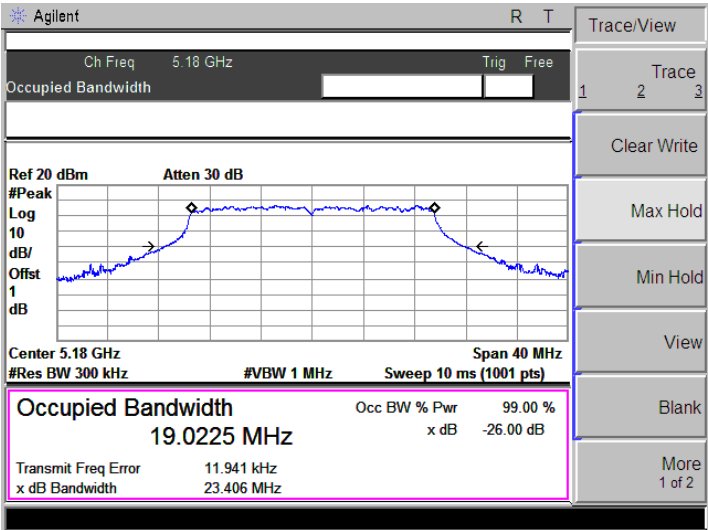
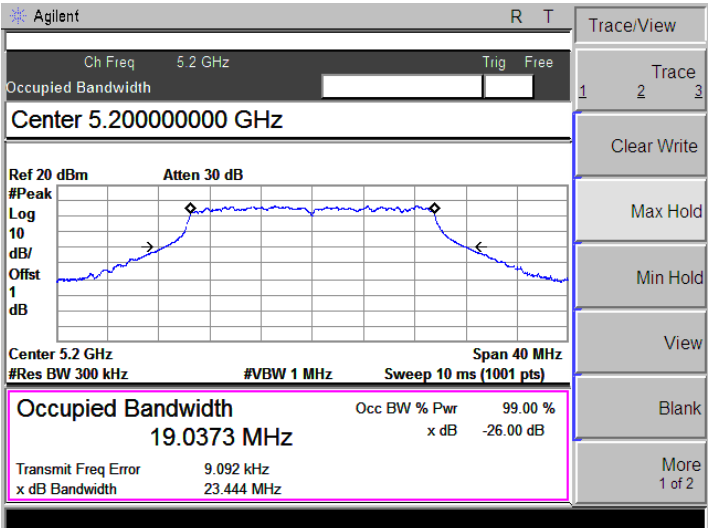
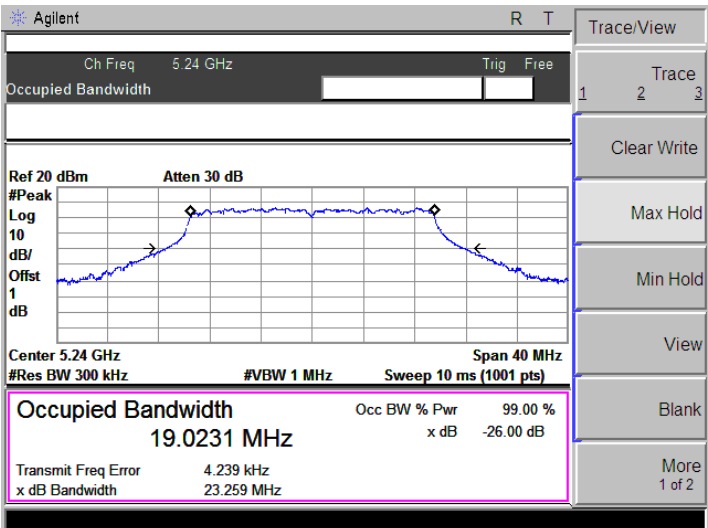
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX40-Low  | <div><div><div>Agilent</div><div>Ch Freq 5.755 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.755 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Occupied Bandwidth</div><div>37.8035 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 23.405 kHz</div><div>x dB Bandwidth 42.077 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                               |
| 802.11n-AX40-High | <div><div><div>Agilent</div><div>Ch Freq 5.795 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.795 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Occupied Bandwidth</div><div>37.8100 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 9.785 kHz</div><div>x dB Bandwidth 42.264 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                |
| 802.11ac-AX80     | <div><div><div>Agilent</div><div>Ch Freq 5.775 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>VBW 3.000000000 MHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.775 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 160 MHz</div></div><div><div>Occupied Bandwidth</div><div>76.7256 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 117.756 kHz</div><div>x dB Bandwidth 81.475 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |

ANT 1  
5150-5250MHz

|                |                                                                                      |
|----------------|--------------------------------------------------------------------------------------|
| 802.11a-Low    |    |
| 802.11a-Middle |   |
| 802.11a-High   |  |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-HT20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.18 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Center 5.180000000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.18 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>18.1072 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -66.339 kHz</div><div>x dB Bandwidth 24.086 MHz</div></div></div><div><div>Freq/Channel</div><div>Center Freq 5.18000000 GHz</div><div>Start Freq 5.16000000 GHz</div><div>Stop Freq 5.20000000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div><div>Scale Type Log Lin</div></div></div> |
| 802.11n-HT20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.2 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Center 5.200000000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.2 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>18.0788 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -82.266 kHz</div><div>x dB Bandwidth 23.862 MHz</div></div></div><div><div>Trace/View</div><div>1 2 3</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                   |
| 802.11n-HT20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.24 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Center 5.240000000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.24 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>18.1461 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -75.936 kHz</div><div>x dB Bandwidth 24.205 MHz</div></div></div><div><div>Freq/Channel</div><div>Center Freq 5.24000000 GHz</div><div>Start Freq 5.22000000 GHz</div><div>Stop Freq 5.26000000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div><div>Scale Type Log Lin</div></div></div> |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| 802.11n-HT40-Low  | <div><div><div>Agilent</div><div>Ch Freq 5.19 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Span 80.00000000 MHz</div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.19 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div><div>Occupied Bandwidth</div><div>36.2878 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>-44.396 kHz</div><div>x dB Bandwidth</div><div>42.763 MHz</div></div><div><div>Trace/View</div><div>Trace</div><div>1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>                                                                                                                                 |
| 802.11n-HT40-High | <div><div><div>Agilent</div><div>Ch Freq 5.23 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Center 5.230000000 GHz</div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.23 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div><div>Occupied Bandwidth</div><div>36.2765 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>-53.076 kHz</div><div>x dB Bandwidth</div><div>42.766 MHz</div></div><div><div>Trace/View</div><div>Trace</div><div>1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>                                                                                                                               |
| 802.11ac-HT80     | <div><div><div>Agilent</div><div>Ch Freq 5.21 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.21 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 160 MHz</div><div>Occupied Bandwidth</div><div>75.7082 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>67.565 kHz</div><div>x dB Bandwidth</div><div>84.997 MHz</div></div><div><div>Meas Setup</div><div>Avg Number</div><div>10</div><div>On</div><div>Off</div><div>Avg Mode</div><div>Exp</div><div>Repeat</div><div>Max Hold</div><div>On</div><div>Off</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>OBW Span</div><div>160.000000 MHz</div><div>x dB</div><div>-26.00 dB</div><div>Optimize</div><div>Ref Level</div></div></div> |

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| 802.11n-AX20-Low    |    |
| 802.11n-AX20-Middle |   |
| 802.11n-AX20-High   |  |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX40-Low  | <div><div><div>Agilent</div><div>Ch Freq 5.19 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Span 80.00000000 MHz</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.19 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div><div>Occupied Bandwidth</div><div>37.8094 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>9.367 kHz</div><div>x dB Bandwidth</div><div>42.354 MHz</div></div><div><div>Trace/View</div><div>Trace</div><div>1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div> |
| 802.11n-AX40-High | <div><div><div>Agilent</div><div>Ch Freq 5.23 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Span 80 MHz</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.23 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div><div>Occupied Bandwidth</div><div>37.8074 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>5.287 kHz</div><div>x dB Bandwidth</div><div>42.570 MHz</div></div><div><div>Trace/View</div><div>Trace</div><div>1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>          |
| 802.11ac-AX80     | <div><div><div>Agilent</div><div>Ch Freq 5.21 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Span 160 MHz</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.21 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 160 MHz</div><div>Occupied Bandwidth</div><div>76.7313 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>78.911 kHz</div><div>x dB Bandwidth</div><div>81.804 MHz</div></div><div><div>Trace/View</div><div>Trace</div><div>1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>         |

5725-5850MHz  
6DB

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11a-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Occupied Bandwidth</div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.745 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>16.4727 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>-94.041 kHz</div><div>x dB Bandwidth</div><div>16.340 MHz</div></div><div><div>Trace/View</div><div>Trace</div><div>1</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>                                   |
| 802.11a-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Occupied Bandwidth</div><div>Center 5.785000000 GHz</div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.785 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>16.5040 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>-109.725 kHz</div><div>x dB Bandwidth</div><div>16.346 MHz</div></div><div><div>Trace/View</div><div>Trace</div><div>1</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div> |
| 802.11a-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Occupied Bandwidth</div><div>Center 5.825000000 GHz</div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.825 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>16.5024 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>-103.810 kHz</div><div>x dB Bandwidth</div><div>16.330 MHz</div></div><div><div>Trace/View</div><div>Trace</div><div>1</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div> |

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| 802.11n-HT20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Occupied Bandwidth</div><div>Center 5.74500000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.745 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>17.6525 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error -79.002 kHz</div><div>x dB Bandwidth 17.544 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                           |
| 802.11n-HT20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Occupied Bandwidth</div><div>Center 5.78500000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.785 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>17.6511 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error -78.785 kHz</div><div>x dB Bandwidth 17.560 MHz</div></div></div><div><div>Freq/Channel</div><div>Center Freq 5.78500000 GHz</div><div>Start Freq 5.76500000 GHz</div><div>Stop Freq 5.80500000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div><div>Scale Type Log Lin</div></div></div> |
| 802.11n-HT20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Occupied Bandwidth</div><div>Center 5.82500000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.825 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>17.6723 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error -91.256 kHz</div><div>x dB Bandwidth 17.560 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                           |



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| 802.11n-HT40-Low  | <div><div><div>Agilent</div><div>Ch Freq 5.755 GHz</div><div>Occupied Bandwidth</div><div>Center 5.75500000 GHz</div><div><div>Ref 21 dBm</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div>Center 5.755 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div><div>Occupied Bandwidth</div><div>36.1094 MHz</div><div>Transmit Freq Error</div><div>-55.846 kHz</div><div>x dB Bandwidth</div><div>36.107 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div></div><div><div>Freq/Channel</div><div>Center Freq</div><div>5.75500000 GHz</div><div>Start Freq</div><div>5.71500000 GHz</div><div>Stop Freq</div><div>5.79500000 GHz</div><div>CF Step</div><div>8.00000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0.00000000 Hz</div><div>Signal Track</div><div>On</div><div>Off</div><div>Scale Type</div><div>Log</div><div>Lin</div></div></div> |
| 802.11n-HT40-High | <div><div><div>Agilent</div><div>Ch Freq 5.795 GHz</div><div>Occupied Bandwidth</div><div>Center 5.79500000 GHz</div><div><div>Ref 21 dBm</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div>Center 5.795 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div><div>Occupied Bandwidth</div><div>36.1398 MHz</div><div>Transmit Freq Error</div><div>-60.912 kHz</div><div>x dB Bandwidth</div><div>36.355 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div></div><div><div>Trace/View</div><div>1</div><div>Trace</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>                                                                                                                                                                                       |
| 802.11ac-HT80     | <div><div><div>Agilent</div><div>Ch Freq 5.775 GHz</div><div>Occupied Bandwidth</div><div>Center 5.77500000 GHz</div><div><div>Ref 21 dBm</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div>Center 5.775 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 16.58 ms (1001 pts)</div><div>Span 160 MHz</div><div>Occupied Bandwidth</div><div>75.3108 MHz</div><div>Transmit Freq Error</div><div>45.185 kHz</div><div>x dB Bandwidth</div><div>75.523 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div></div><div><div>Trace/View</div><div>1</div><div>Trace</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>                                                                                                                                                                                    |

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| 802.11n-AX20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Span 40.00000000 MHz</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.745 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>18.8815 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>9.328 kHz</div><div>x dB Bandwidth</div><div>18.398 MHz</div></div><div><div>Trace/View</div><div>Trace</div><div>1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>    |
| 802.11n-AX20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Span 40 MHz</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.785 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>18.8778 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>3.850 kHz</div><div>x dB Bandwidth</div><div>18.393 MHz</div></div><div><div>Trace/View</div><div>Trace</div><div>1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>             |
| 802.11n-AX20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Center 5.82500000 GHz</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div><div>Center 5.825 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>18.8882 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>-527.107 Hz</div><div>x dB Bandwidth</div><div>18.830 MHz</div></div><div><div>Trace/View</div><div>Trace</div><div>1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div> |

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| 802.11n-AX40-Low  | <div><div><div>Agilent</div><div>Ch Freq 5.755 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div></div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.755 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Occupied Bandwidth</div><div>37.7168 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>-38.876 kHz</div><div>x dB Bandwidth</div><div>37.726 MHz</div></div></div> <div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div>                                            |
| 802.11n-AX40-High | <div><div><div>Agilent</div><div>Ch Freq 5.795 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div></div><div><div>Center 5.79500000 GHz</div></div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.795 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Occupied Bandwidth</div><div>37.7593 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>-29.563 kHz</div><div>x dB Bandwidth</div><div>37.844 MHz</div></div></div> <div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div> |
| 802.11ac-AX80     | <div><div><div>Agilent</div><div>Ch Freq 5.775 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div></div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.775 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 16.58 ms (1001 pts)</div><div>Span 160 MHz</div></div><div><div>Occupied Bandwidth</div><div>76.6922 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-6.00 dB</div><div>Transmit Freq Error</div><div>20.146 kHz</div><div>x dB Bandwidth</div><div>76.467 MHz</div></div></div> <div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div>                                         |

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| 802.11a-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Occupied Bandwidth</div><div>VBW 1.000000000 MHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.745 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>17.0958 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -132.008 kHz</div><div>x dB Bandwidth 23.659 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>    |
| 802.11a-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Occupied Bandwidth</div><div>Center 5.785000000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.785 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>17.1053 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -142.267 kHz</div><div>x dB Bandwidth 23.698 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |
| 802.11a-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Occupied Bandwidth</div><div>Center 5.825000000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.825 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>16.9801 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -134.960 kHz</div><div>x dB Bandwidth 23.699 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |

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| 802.11n-HT20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Occupied Bandwidth</div><div>Center 5.74500000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.745 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>18.1141 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -62.104 kHz</div><div>x dB Bandwidth 24.207 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                           |
| 802.11n-HT20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Occupied Bandwidth</div><div>Center 5.78500000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.785 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>18.1624 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -68.098 kHz</div><div>x dB Bandwidth 24.409 MHz</div></div></div><div><div>Freq/Channel</div><div>Center Freq 5.78500000 GHz</div><div>Start Freq 5.76500000 GHz</div><div>Stop Freq 5.80500000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div><div>Scale Type Log Lin</div></div></div> |
| 802.11n-HT20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Occupied Bandwidth</div><div>Center 5.82500000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.825 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>18.1733 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -74.952 kHz</div><div>x dB Bandwidth 24.601 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                           |

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| 802.11n-HT40-Low  | <div><div><div>Agilent</div><div>Ch Freq 5.755 GHz</div><div>Occupied Bandwidth</div><div>Center 5.75500000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.755 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Occupied Bandwidth</div><div>36.3151 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -15.833 kHz</div><div>x dB Bandwidth 42.694 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                          |
| 802.11n-HT40-High | <div><div><div>Agilent</div><div>Ch Freq 5.795 GHz</div><div>Occupied Bandwidth</div><div>Center 5.79500000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.795 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Occupied Bandwidth</div><div>36.3440 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -5.510 kHz</div><div>x dB Bandwidth 43.065 MHz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                           |
| 802.11ac-HT80     | <div><div><div>Agilent</div><div>Ch Freq 5.775 GHz</div><div>Occupied Bandwidth</div><div>x dB -26.00 dB</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.775 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 160 MHz</div></div><div><div>Occupied Bandwidth</div><div>75.8244 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 601.871 kHz</div><div>x dB Bandwidth 84.608 MHz</div></div></div><div><div>Meas Setup</div><div>Avg Number 10</div><div>On Off</div><div>Avg Mode Exp Repeat</div><div>Max Hold On Off</div><div>Occ BW % Pwr 99.00 %</div><div>OBW Spar 160.000000 MHz</div><div>x dB -26.00 dB</div><div>Optimize Ref Level</div></div></div> |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Occupied Bandwidth</div><div>Center 5.74500000 GHz</div><div><div>Ref 20 dBm</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div>Center 5.745 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>19.0143 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>12.244 kHz</div><div>x dB Bandwidth</div><div>23.155 MHz</div></div><div><div>Freq/Channel</div><div>Center Freq</div><div>5.74500000 GHz</div><div>Start Freq</div><div>5.72500000 GHz</div><div>Stop Freq</div><div>5.76500000 GHz</div><div>CF Step</div><div>4.00000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0.00000000 Hz</div><div>Signal Track</div><div>On</div><div>Off</div><div>Scale Type</div><div>Log</div><div>Lin</div></div></div> |
| 802.11n-AX20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Occupied Bandwidth</div><div>Center 5.785 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>19.0288 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>24.106 kHz</div><div>x dB Bandwidth</div><div>23.045 MHz</div></div><div><div>Trace/View</div><div>1</div><div>Trace</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>                                                                                                                                                                                                                                                                                                                                                         |
| 802.11n-AX20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Occupied Bandwidth</div><div>Center 5.825 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 40 MHz</div><div>Occupied Bandwidth</div><div>19.0054 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>9.507 kHz</div><div>x dB Bandwidth</div><div>22.982 MHz</div></div><div><div>Trace/View</div><div>1</div><div>Trace</div><div>2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More</div><div>1 of 2</div></div></div>                                                                                                                                                                                                                                                                                                                                                          |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX40-Low  | <div><div><div>Agilent</div><div>Ch Freq 5.755 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.755 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Occupied Bandwidth</div><div>37.8061 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>24.946 kHz</div><div>x dB Bandwidth</div><div>42.115 MHz</div></div></div><div><div>Trace/View</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                |
| 802.11n-AX40-High | <div><div><div>Agilent</div><div>Ch Freq 5.795 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div><div>Center 5.79500000 GHz</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.795 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Occupied Bandwidth</div><div>37.7964 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>3.788 kHz</div><div>x dB Bandwidth</div><div>42.206 MHz</div></div></div><div><div>Trace/View</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |
| 802.11ac-AX80     | <div><div><div>Agilent</div><div>Ch Freq 5.775 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.775 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 10 ms (1001 pts)</div><div>Span 160 MHz</div></div><div><div>Occupied Bandwidth</div><div>76.7308 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>119.074 kHz</div><div>x dB Bandwidth</div><div>81.517 MHz</div></div></div><div><div>Trace/View</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                |



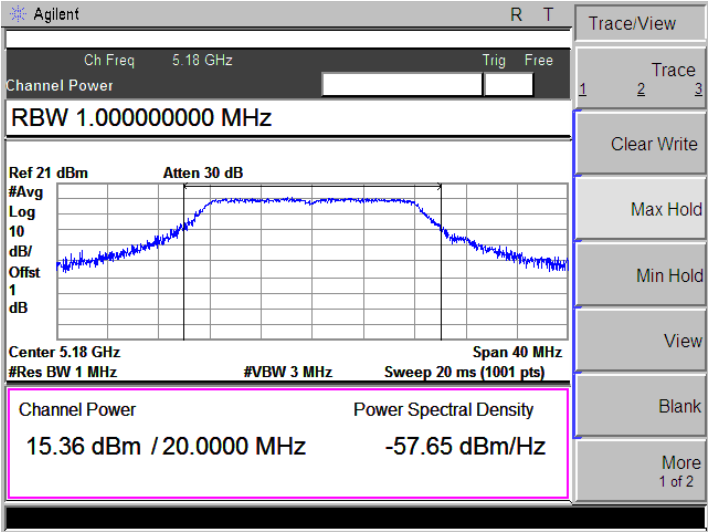
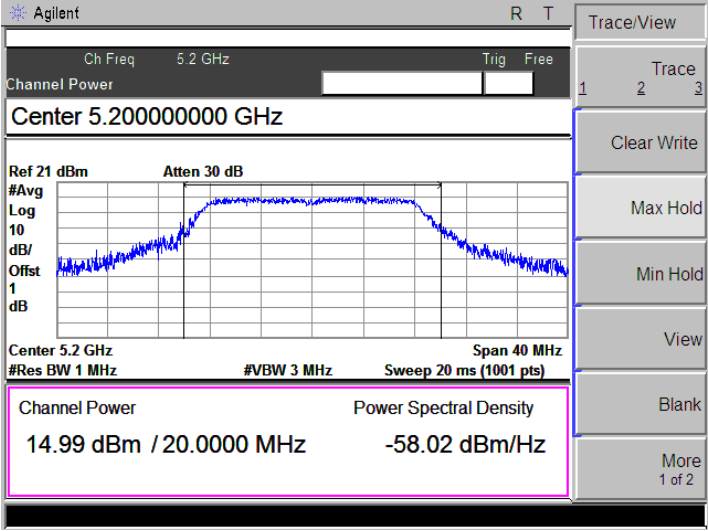
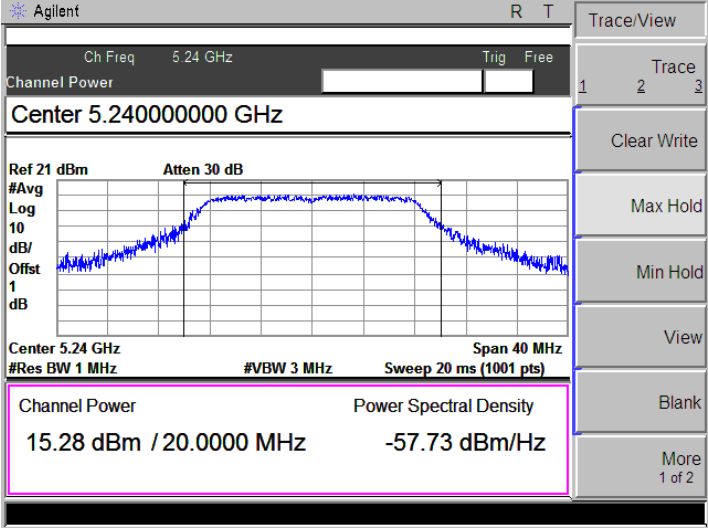
## APPENDIX C

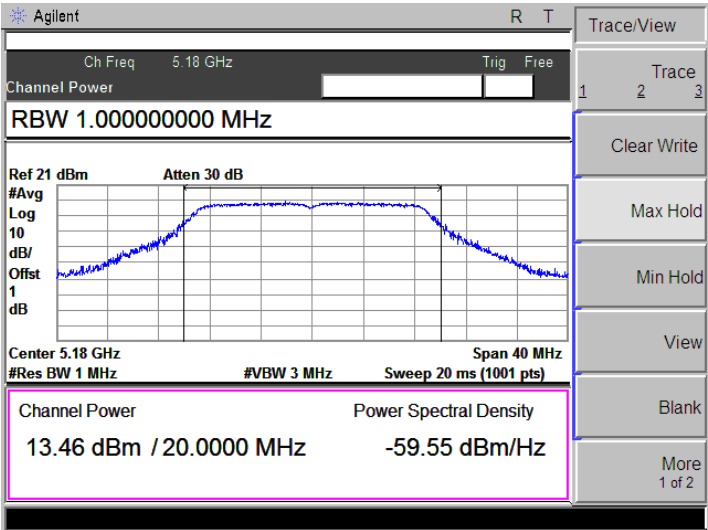
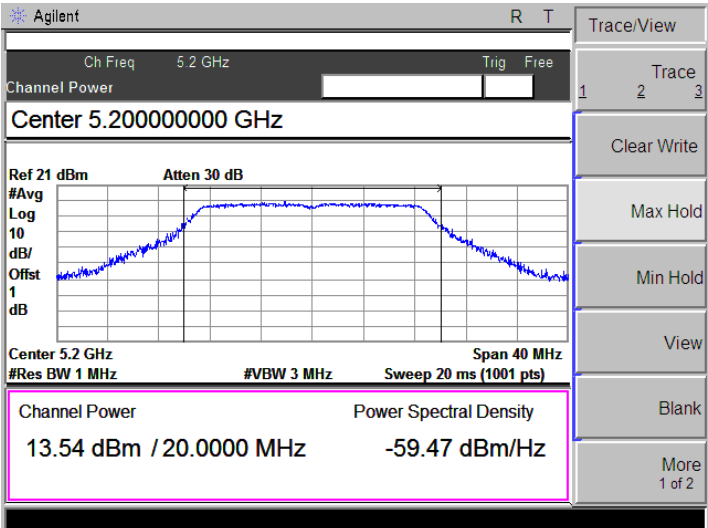
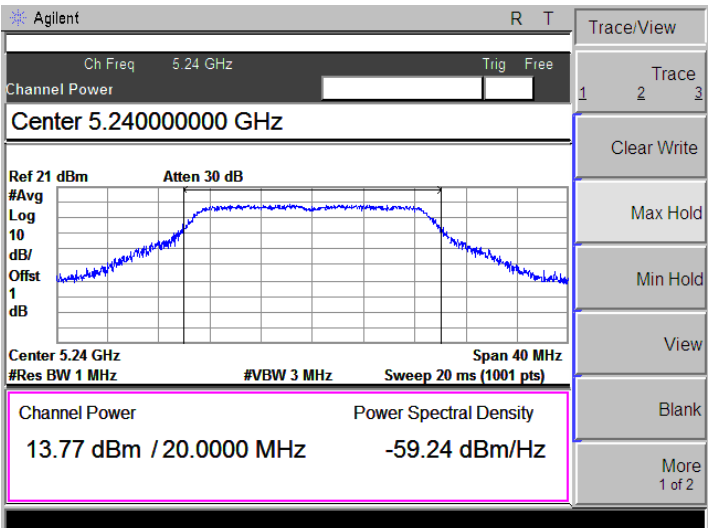
### Maximum Conducted Output Power

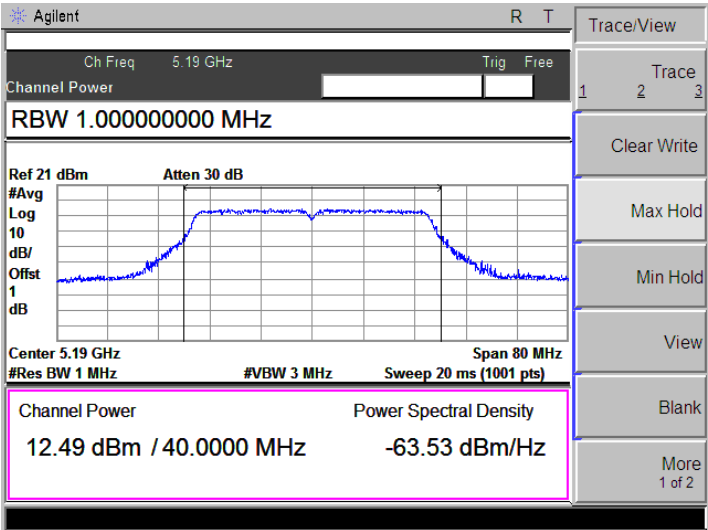
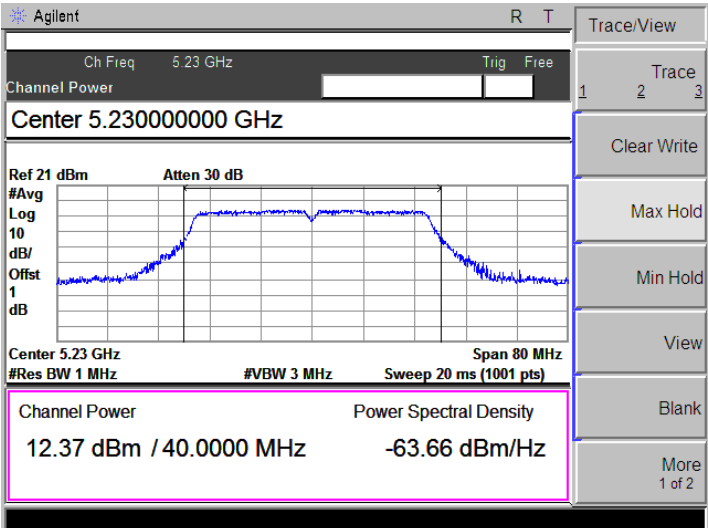
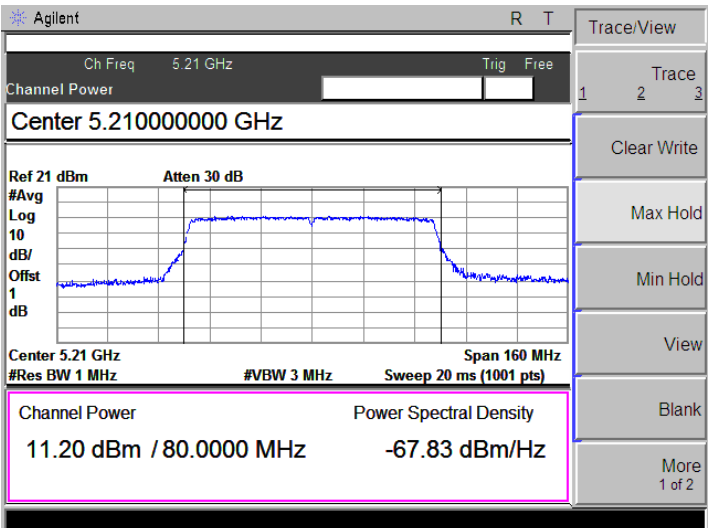
| U-NII-1:5150-5250MHz |                  |                  |       |              |              |
|----------------------|------------------|------------------|-------|--------------|--------------|
| Test mode            | Frequency<br>MHz | Output Power dBm |       | Total<br>dBm | Limit<br>dBm |
|                      |                  | ANT 0            | ANT 1 |              |              |
| 802.11a              | 5180             | 15.36            | 15.53 | /            | 23.98        |
|                      | 5200             | 14.99            | 15.69 | /            | 23.98        |
|                      | 5240             | 15.28            | 15.66 | /            | 23.98        |
| 802.11n-HT20         | 5180             | 13.46            | 14.35 | 16.94        | 23.98        |
|                      | 5200             | 13.54            | 13.77 | 16.67        | 23.98        |
|                      | 5240             | 13.77            | 13.49 | 16.64        | 23.98        |
| 802.11n-HT40         | 5190             | 12.49            | 12.26 | 15.39        | 23.98        |
|                      | 5230             | 12.37            | 12.25 | 15.32        | 23.98        |
| 802.11ac VH80        | 5210             | 11.20            | 11.54 | 14.38        | 23.98        |
| 802.11n-AX20         | 5180             | 12.89            | 12.03 | 15.49        | 23.98        |
|                      | 5200             | 12.86            | 11.98 | 15.45        | 23.98        |
|                      | 5240             | 12.93            | 11.55 | 15.30        | 23.98        |
| 802.11n-AX40         | 5190             | 10.89            | 10.67 | 13.79        | 23.98        |
|                      | 5230             | 11.39            | 9.94  | 13.74        | 23.98        |
| 802.11ac AX80        | 5210             | 9.54             | 9.64  | 12.60        | 23.98        |

| U-NII-3: 5725-5850MHz |                  |                  |       |              |              |
|-----------------------|------------------|------------------|-------|--------------|--------------|
| Test mode             | Frequency<br>MHz | Output Power dBm |       | Total<br>dBm | Limit<br>dBm |
|                       |                  | ANT 0            | ANT 1 |              |              |
| 802.11a               | 5745             | 15.13            | 14.78 | /            | 30           |
|                       | 5785             | 15.12            | 14.19 | /            | 30           |
|                       | 5825             | 14.84            | 14.12 | /            | 30           |
| 802.11n-HT20          | 5745             | 13.04            | 12.42 | 15.75        | 30           |
|                       | 5785             | 12.89            | 12.20 | 15.57        | 30           |
|                       | 5825             | 12.54            | 11.58 | 15.10        | 30           |
| 802.11n-HT40          | 5755             | 11.70            | 11.56 | 14.64        | 30           |
|                       | 5795             | 11.39            | 10.96 | 14.19        | 30           |
| 802.11ac VH80         | 5775             | 11.38            | 10.41 | 13.93        | 30           |
| 802.11n-AX20          | 5745             | 11.88            | 12.04 | 14.97        | 23.98        |
|                       | 5785             | 11.46            | 11.37 | 14.43        | 23.98        |
|                       | 5825             | 11.23            | 11.27 | 14.26        | 23.98        |
| 802.11n-AX40          | 5755             | 10.14            | 10.13 | 13.15        | 23.98        |
|                       | 5795             | 10.01            | 9.90  | 12.97        | 23.98        |
| 802.11ac AX80         | 5775             | 9.99             | 9.75  | 12.88        | 23.98        |

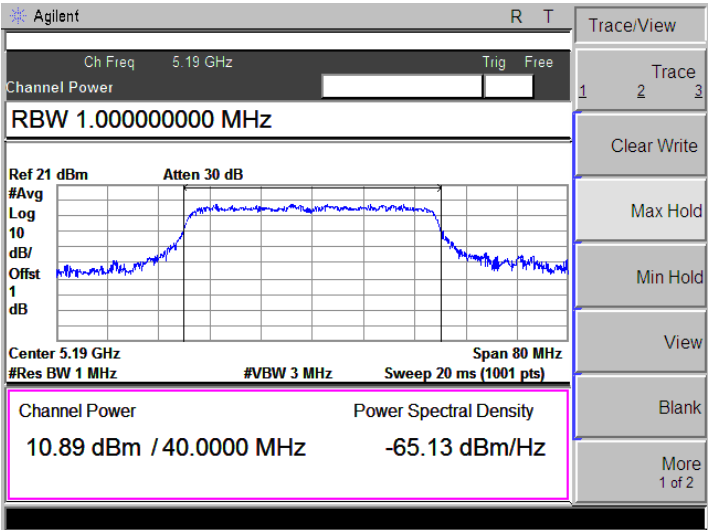
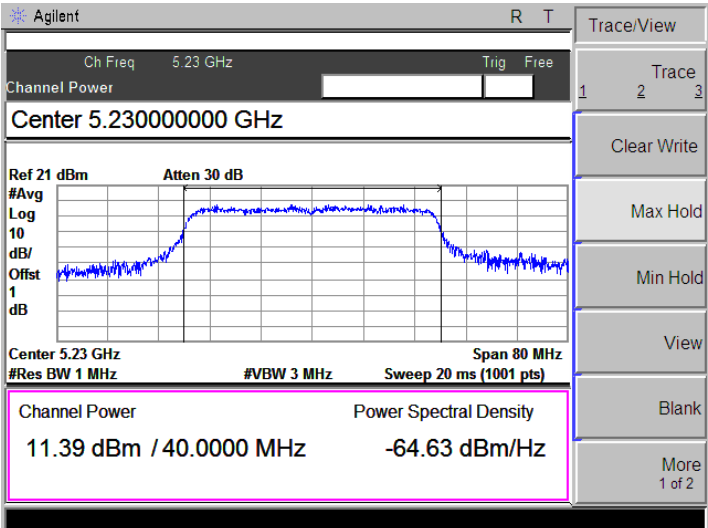
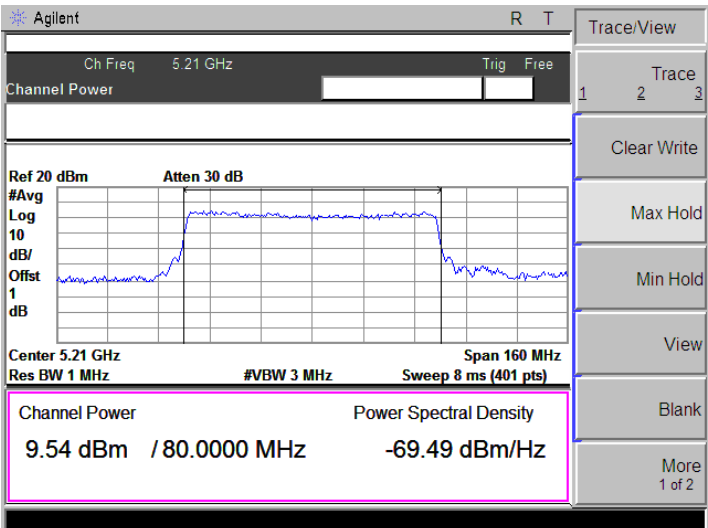
ANT 0  
5150-5250MHz

|                |                                                                                      |
|----------------|--------------------------------------------------------------------------------------|
| 802.11a-Low    |    |
| 802.11a-Middle |   |
| 802.11a-High   |  |

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| 802.11n-HT20-Low    |    |
| 802.11n-HT20-Middle |   |
| 802.11n-HT20-High   |  |

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| 802.11n-HT40-Low  |    |
| 802.11n-HT40-High |   |
| 802.11ac-HT80     |  |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.18 GHz</div><div>Channel Power</div><div>Center 5.180000000 GHz</div><div><div>Ref 21 dBm</div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div><div><div>Center 5.18 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>12.89 dBm / 20.0000 MHz</div><div>-60.11 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                         |
| 802.11n-AX20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.2 GHz</div><div>Channel Power</div><div>Center 5.200000000 GHz</div><div><div>Ref 21 dBm</div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div><div><div>Center 5.2 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>12.86 dBm / 20.0000 MHz</div><div>-60.15 dBm/Hz</div></div></div><div><div>Freq/Channel</div><div>Center Freq 5.20000000 GHz</div><div>Start Freq 5.18000000 GHz</div><div>Stop Freq 5.22000000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div><div>Scale Type Log Lin</div></div></div> |
| 802.11n-AX20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.24 GHz</div><div>Channel Power</div><div>Center 5.240000000 GHz</div><div><div>Ref 21 dBm</div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div><div><div>Center 5.24 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>12.93 dBm / 20.0000 MHz</div><div>-60.09 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                         |

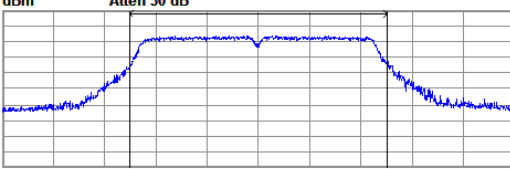
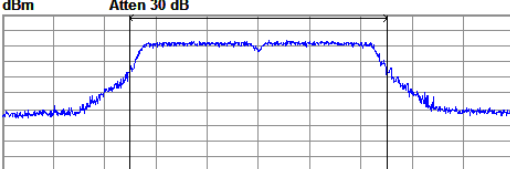
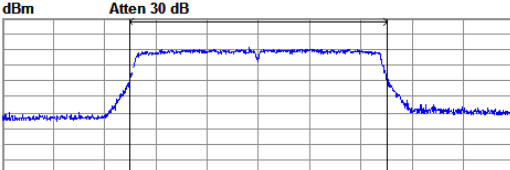
|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| 802.11n-AX40-Low  |    |
| 802.11n-AX40-High |   |
| 802.11ac-AX80     |  |

5725-5850MHz

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11a-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Channel Power</div><div>RBW 1.000000000 MHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.745 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>15.13 dBm / 20.0000 MHz</div><div>-57.88 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>    |
| 802.11a-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Channel Power</div><div>Center 5.785000000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.785 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>15.12 dBm / 20.0000 MHz</div><div>-57.89 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |
| 802.11a-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Channel Power</div><div>Center 5.825000000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.825 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>14.84 dBm / 20.0000 MHz</div><div>-58.17 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-HT20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Channel Power</div><div>Center 5.745000000 GHz</div><div><div>Ref 21 dBm</div><div>#Avg Log 10 dB/ Offst 1 dB</div><div>Atten 30 dB</div></div><div><div>Center 5.745 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Span 40 MHz</div><div>Sweep 20 ms (1001 pts)</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>13.04 dBm / 20.0000 MHz</div><div>-59.97 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |
| 802.11n-HT20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Channel Power</div><div>Center 5.785000000 GHz</div><div><div>Ref 21 dBm</div><div>#Avg Log 10 dB/ Offst 1 dB</div><div>Atten 30 dB</div></div><div><div>Center 5.785 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Span 40 MHz</div><div>Sweep 20 ms (1001 pts)</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>12.89 dBm / 20.0000 MHz</div><div>-60.12 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |
| 802.11n-HT20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Channel Power</div><div>Center 5.825000000 GHz</div><div><div>Ref 21 dBm</div><div>#Avg Log 10 dB/ Offst 1 dB</div><div>Atten 30 dB</div></div><div><div>Center 5.825 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Span 40 MHz</div><div>Sweep 20 ms (1001 pts)</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>12.54 dBm / 20.0000 MHz</div><div>-60.48 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |



|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-HT40-Low  | <div><div><div>Agilent</div><div>Ch Freq 5.755 GHz</div><div>Channel Power</div><div>RBW 1.000000000 MHz</div><div><div>Ref 21 dBm</div><div>#Avg 10</div><div>Log dB/</div><div>Offst 1 dB</div></div><div><div>Atten 30 dB</div></div><div>Center 5.755 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 80 MHz</div><div>Channel Power 11.70 dBm / 40.0000 MHz</div><div>Power Spectral Density -64.32 dBm/Hz</div></div></div>     |
| 802.11n-HT40-High | <div><div><div>Agilent</div><div>Ch Freq 5.795 GHz</div><div>Channel Power</div><div>Center 5.795000000 GHz</div><div><div>Ref 21 dBm</div><div>#Avg 10</div><div>Log dB/</div><div>Offst 1 dB</div></div><div><div>Atten 30 dB</div></div><div>Center 5.795 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 80 MHz</div><div>Channel Power 11.39 dBm / 40.0000 MHz</div><div>Power Spectral Density -64.63 dBm/Hz</div></div></div> |
| 802.11ac-HT80     | <div><div><div>Agilent</div><div>Ch Freq 5.775 GHz</div><div>Channel Power</div><div><div>Ref 21 dBm</div><div>#Avg 10</div><div>Log dB/</div><div>Offst 1 dB</div></div><div><div>Atten 30 dB</div></div><div>Center 5.775 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 160 MHz</div><div>Channel Power 11.38 dBm / 80.0000 MHz</div><div>Power Spectral Density -67.65 dBm/Hz</div></div></div>                                |

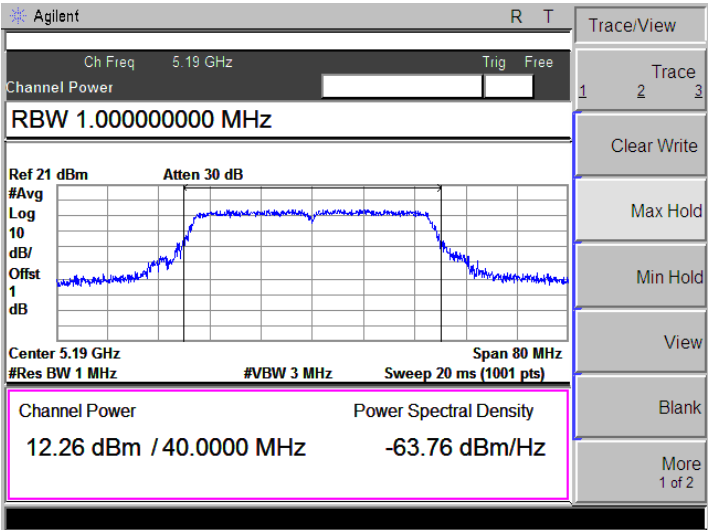
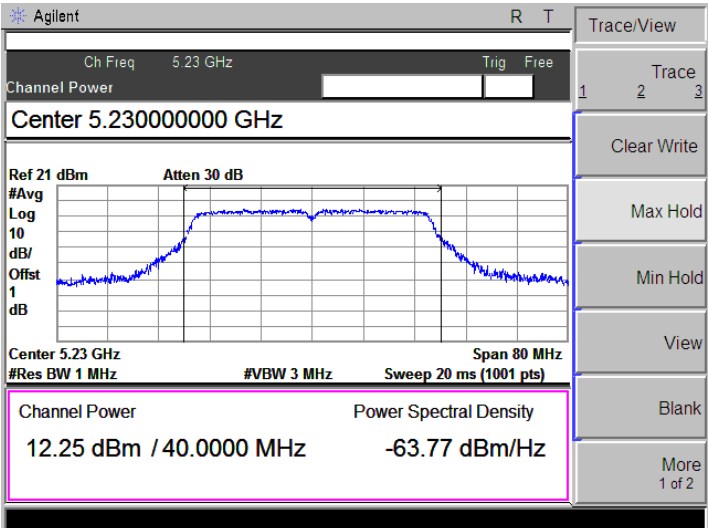
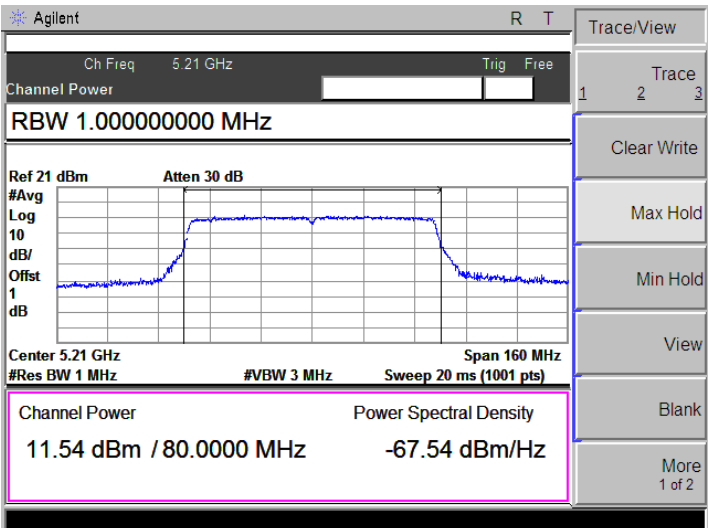
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Channel Power</div><div>Center 5.745000000 GHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.745 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>11.88 dBm / 20.0000 MHz</div><div>-61.13 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |
| 802.11n-AX20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Channel Power</div><div>Center 5.785 GHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.785 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>11.46 dBm / 20.0000 MHz</div><div>-61.55 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>       |
| 802.11n-AX20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Channel Power</div><div>Center 5.825 GHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.825 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>11.23 dBm / 20.0000 MHz</div><div>-61.78 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>       |

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| 802.11n-AX40-Low  | <div><div><div>Agilent</div><div>Ch Freq 5.756 GHz</div><div>Channel Power</div><div>Span 80.00000000 MHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div></div><div><div>Center 5.755 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>10.14 dBm / 40.0000 MHz</div><div>-65.88 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                 |
| 802.11n-AX40-High | <div><div><div>Agilent</div><div>Ch Freq 5.795 GHz</div><div>Channel Power</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.795 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>10.01 dBm / 40.0000 MHz</div><div>-66.01 dBm/Hz</div></div></div><div><div>Freq/Channel</div><div>Center Freq 5.79500000 GHz</div><div>Start Freq 5.75500000 GHz</div><div>Stop Freq 5.83500000 GHz</div><div>CF Step 8.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div><div>Scale Type Log Lin</div></div></div> |
| 802.11ac-AX80     | <div><div><div>Agilent</div><div>Ch Freq 5.775 GHz</div><div>Channel Power</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.775 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 160 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>9.99 dBm / 80.0000 MHz</div><div>-69.04 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                           |

ANT 1  
5150-5250MHz

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| 802.11a-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.18 GHz</div><div>Channel Power</div><div>RBW 1.000000000 MHz</div><div><div>Ref 21 dBm</div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.18 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div></div><div><div>Channel Power</div><div>15.53 dBm / 20.0000 MHz</div><div><div>Power Spectral Density</div><div>-57.49 dBm/Hz</div></div></div></div><div><div>Trace/View</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                                    |
| 802.11a-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.2 GHz</div><div>Channel Power</div><div>Center 5.200000000 GHz</div><div><div>Ref 21 dBm</div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.2 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div></div><div><div>Channel Power</div><div>15.69 dBm / 20.0000 MHz</div><div><div>Power Spectral Density</div><div>-57.32 dBm/Hz</div></div></div></div><div><div>Trace/View</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                                   |
| 802.11a-High   | <div><div><div>Agilent</div><div>Ch Freq 5.24 GHz</div><div>Channel Power</div><div>Center 5.240000000 GHz</div><div><div>Ref 21 dBm</div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.24 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div></div><div><div>Channel Power</div><div>15.66 dBm / 20.0000 MHz</div><div><div>Power Spectral Density</div><div>-57.35 dBm/Hz</div></div></div></div><div><div>Freq/Channel</div><div>Center Freq 5.24000000 GHz</div><div>Start Freq 5.22000000 GHz</div><div>Stop Freq 5.26000000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div><div>Scale Type Log Lin</div></div></div> |

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| 802.11n-HT20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.18 GHz</div><div>Channel Power</div><div>Center 5.180000000 GHz</div><div><div>Ref 21 dBm</div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div><div>Center 5.18 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div><div>Channel Power</div><div>14.35 dBm / 20.0000 MHz</div><div>Power Spectral Density</div><div>-58.67 dBm/Hz</div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                           |
| 802.11n-HT20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.2 GHz</div><div>Channel Power</div><div>Center 5.200000000 GHz</div><div><div>Ref 21 dBm</div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div><div>Center 5.2 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div><div>Channel Power</div><div>13.77 dBm / 20.0000 MHz</div><div>Power Spectral Density</div><div>-59.24 dBm/Hz</div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                             |
| 802.11n-HT20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.24 GHz</div><div>Channel Power</div><div>Center 5.240000000 GHz</div><div><div>Ref 21 dBm</div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div><div>Center 5.24 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div><div>Channel Power</div><div>13.49 dBm / 20.0000 MHz</div><div>Power Spectral Density</div><div>-59.52 dBm/Hz</div></div><div><div>Freq/Channel</div><div>Center Freq 5.24000000 GHz</div><div>Start Freq 5.22000000 GHz</div><div>Stop Freq 5.26000000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div><div>Scale Type Log Lin</div></div></div> |

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|-------------------|--------------------------------------------------------------------------------------|
| 802.11n-HT40-Low  |    |
| 802.11n-HT40-High |   |
| 802.11ac-HT80     |  |

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|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.18 GHz</div><div>Channel Power</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Avg 10</div><div>Log dB/</div><div>Offst 1 dB</div><div>Center 5.18 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div><div>Channel Power</div><div>Power Spectral Density</div><div>12.03 dBm / 20.0000 MHz</div><div>-60.98 dBm/Hz</div></div><div><div>Sweep</div><div>Sweep Time 20.00 ms</div><div>Auto</div><div>Man</div><div>Sweep Single</div><div>Cont</div><div>Auto Sweep</div><div>Coupling</div><div>SA</div><div>SR</div><div>Points 1001</div><div>Segmented</div></div></div> |
| 802.11n-AX20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.2 GHz</div><div>Channel Power</div><div>Center 5.200000000 GHz</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Avg 10</div><div>Log dB/</div><div>Offst 1 dB</div><div>Center 5.2 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div><div>Channel Power</div><div>Power Spectral Density</div><div>11.98 dBm / 20.0000 MHz</div><div>-61.03 dBm/Hz</div></div><div><div>Trace/View</div><div>1</div><div>Trace 2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>               |
| 802.11n-AX20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.24 GHz</div><div>Channel Power</div><div>Center 5.240000000 GHz</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Avg 10</div><div>Log dB/</div><div>Offst 1 dB</div><div>Center 5.24 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div><div>Channel Power</div><div>Power Spectral Density</div><div>11.55 dBm / 20.0000 MHz</div><div>-61.46 dBm/Hz</div></div><div><div>Trace/View</div><div>1</div><div>Trace 2</div><div>3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>             |

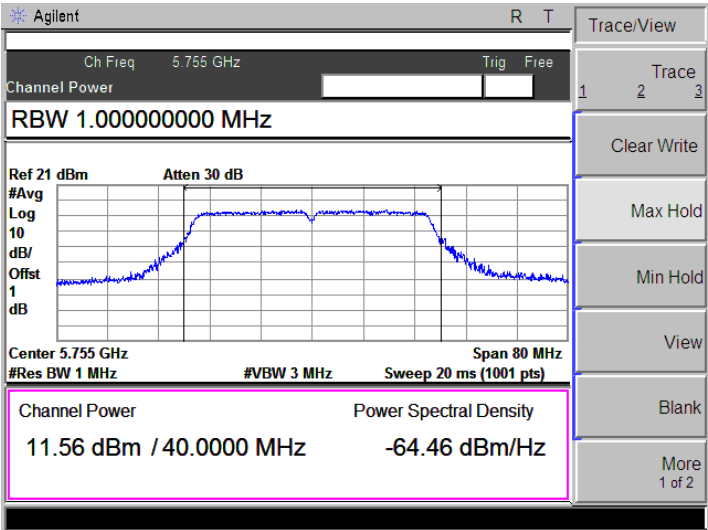
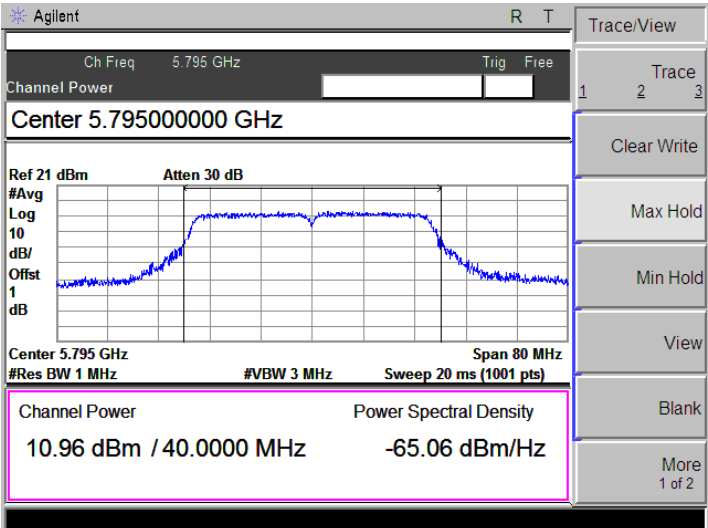
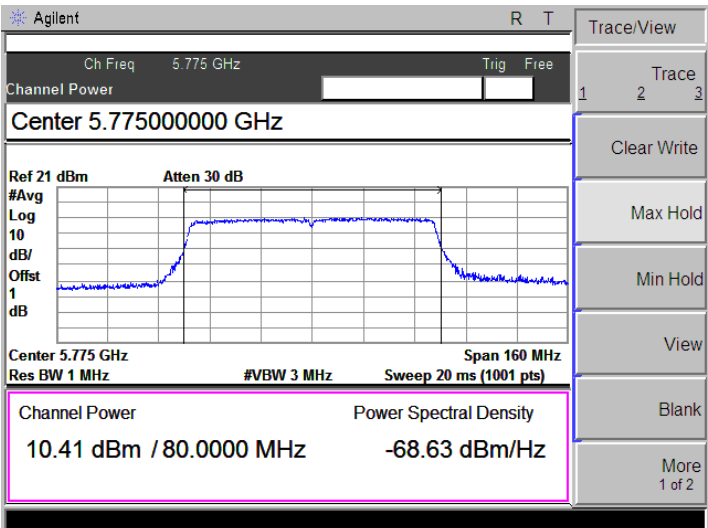
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| 802.11n-AX40-Low  | <div><div><div>Agilent</div><div>Ch Freq 5.19 GHz</div><div>Channel Power</div><div>RBW 1.000000000 MHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.19 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>10.67 dBm / 40.0000 MHz</div><div>-65.36 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>   |
| 802.11n-AX40-High | <div><div><div>Agilent</div><div>Ch Freq 5.23 GHz</div><div>Channel Power</div><div>Center 5.230000000 GHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.23 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 80 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>9.94 dBm / 40.0000 MHz</div><div>-66.08 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |
| 802.11ac-AX80     | <div><div><div>Agilent</div><div>Ch Freq 5.21 GHz</div><div>Channel Power</div><div></div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.21 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 160 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>9.64 dBm / 80.0000 MHz</div><div>-69.40 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                      |



5725-5850MHz

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|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11a-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Channel Power</div><div>Center 5.74500000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.745 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Span 40 MHz</div><div>Sweep 20 ms (1001 pts)</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>14.78 dBm / 20.0000 MHz</div><div>-58.23 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                                 |
| 802.11a-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Channel Power</div><div>Center 5.78500000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.785 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Span 40 MHz</div><div>Sweep 20 ms (1001 pts)</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>14.19 dBm / 20.0000 MHz</div><div>-58.82 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                                 |
| 802.11a-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Channel Power</div><div>Center 5.82500000 GHz</div><div><div>Ref 21 dBm</div><div>Atten 30 dB</div><div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>1</div><div>dB</div></div></div><div><div>Center 5.825 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Span 40 MHz</div><div>Sweep 20 ms (1001 pts)</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>14.12 dBm / 20.0000 MHz</div><div>-58.89 dBm/Hz</div></div></div><div><div>Freq/Channel</div><div>Center Freq 5.82500000 GHz</div><div>Start Freq 5.80500000 GHz</div><div>Stop Freq 5.84500000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div><div>Scale Type Log Lin</div></div></div> |

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|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-HT20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Channel Power</div><div>Center 5.745000000 GHz</div><div><div>Ref 21 dBm</div><div>#Avg Log 10 dB/ Offst 1 dB</div><div>Atten 30 dB</div><div>Center 5.745 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div><div>Channel Power</div><div>12.42 dBm / 20.0000 MHz</div><div>Power Spectral Density</div><div>-60.59 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |
| 802.11n-HT20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Channel Power</div><div>Center 5.785000000 GHz</div><div><div>Ref 21 dBm</div><div>#Avg Log 10 dB/ Offst 1 dB</div><div>Atten 30 dB</div><div>Center 5.785 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div><div>Channel Power</div><div>12.20 dBm / 20.0000 MHz</div><div>Power Spectral Density</div><div>-60.81 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div> |
| 802.11n-HT20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Channel Power</div><div>Center 5.825 GHz</div><div><div>Ref 21 dBm</div><div>#Avg Log 10 dB/ Offst 1 dB</div><div>Atten 30 dB</div><div>Center 5.825 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div><div>Channel Power</div><div>11.58 dBm / 20.0000 MHz</div><div>Power Spectral Density</div><div>-61.43 dBm/Hz</div></div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>       |

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| 802.11n-HT40-Low  |    |
| 802.11n-HT40-High |   |
| 802.11ac-HT80     |  |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX20-Low    | <div><div><div>Agilent</div><div>Ch Freq 5.745 GHz</div><div>Channel Power</div><div>Trig Free</div></div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.745 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>12.04 dBm / 20.0000 MHz</div><div>-60.97 dBm/Hz</div></div></div> <div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div>                                  |
| 802.11n-AX20-Middle | <div><div><div>Agilent</div><div>Ch Freq 5.785 GHz</div><div>Channel Power</div><div>Trig Free</div></div><div>Center 5.785000000 GHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.785 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>11.37 dBm / 20.0000 MHz</div><div>-61.64 dBm/Hz</div></div></div> <div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div> |
| 802.11n-AX20-High   | <div><div><div>Agilent</div><div>Ch Freq 5.825 GHz</div><div>Channel Power</div><div>Trig Free</div></div><div>Center 5.825000000 GHz</div><div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Avg</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>1</div><div>dB</div></div><div><div>Center 5.825 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 40 MHz</div></div><div><div>Channel Power</div><div>Power Spectral Density</div><div>11.27 dBm / 20.0000 MHz</div><div>-61.74 dBm/Hz</div></div></div> <div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div> |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 802.11n-AX40-Low  | <div><div><div>Agilent</div><div>Ch Freq 5.756 GHz</div><div>Channel Power</div><div>Trig Free</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Avg 10</div><div>Log</div><div>dB/</div><div>Offst 1</div><div>dB</div><div>Center 5.755 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 80 MHz</div><div>Channel Power</div><div>Power Spectral Density</div><div>10.13 dBm / 40.0000 MHz</div><div>-65.89 dBm/Hz</div></div><div><div>Trace/View</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div></div>                                                                                                                            |
| 802.11n-AX40-High | <div><div><div>Agilent</div><div>Ch Freq 5.795 GHz</div><div>Channel Power</div><div>Trig Free</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Avg 10</div><div>Log</div><div>dB/</div><div>Offst 1</div><div>dB</div><div>Center 5.795 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 80 MHz</div><div>Channel Power</div><div>Power Spectral Density</div><div>9.90 dBm / 40.0000 MHz</div><div>-66.12 dBm/Hz</div></div><div><div>Freq/Channel</div><div>Center Freq 5.79500000 GHz</div><div>Start Freq 5.75500000 GHz</div><div>Stop Freq 5.83500000 GHz</div><div>CF Step 8.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div><div>Scale Type Log Lin</div></div></div>   |
| 802.11ac-AX80     | <div><div><div>Agilent</div><div>Ch Freq 5.775 GHz</div><div>Channel Power</div><div>Trig Free</div><div>Ref 20 dBm</div><div>Atten 30 dB</div><div>#Avg 10</div><div>Log</div><div>dB/</div><div>Offst 1</div><div>dB</div><div>Center 5.775 GHz</div><div>#Res BW 1 MHz</div><div>#VBW 3 MHz</div><div>Sweep 20 ms (1001 pts)</div><div>Span 160 MHz</div><div>Channel Power</div><div>Power Spectral Density</div><div>9.75 dBm / 80.0000 MHz</div><div>-69.28 dBm/Hz</div></div><div><div>Freq/Channel</div><div>Center Freq 5.77500000 GHz</div><div>Start Freq 5.69500000 GHz</div><div>Stop Freq 5.85500000 GHz</div><div>CF Step 16.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div><div>Scale Type Log Lin</div></div></div> |

## 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       | 1491         | 0.2590    |
| 100%                                                      |            | -20       | 1290         | 0.2241    |
| 100%                                                      |            | -10       | 1452         | 0.2523    |
| 100%                                                      |            | 0         | 1341         | 0.2330    |
| 100%                                                      |            | +10       | 1223         | 0.2126    |
| 100%                                                      |            | +20       | 1503         | 0.2612    |
| 100%                                                      |            | +30       | 1040         | 0.1808    |
| 100%                                                      |            | +40       | 1572         | 0.2732    |
| 100%                                                      |            | +50       | 1334         | 0.2318    |
| Low Battery power                                         | 13.8       | +20       | 1553         | 0.2699    |
| High Battery power                                        | 10.2       | +20       | 1490         | 0.2589    |

| U-NII-1: 5250-5350MHz worst case at 802.11a middle channel |            |           |              |           |
|------------------------------------------------------------|------------|-----------|--------------|-----------|
| Voltage(%)                                                 | Power(VDC) | TEMP( °C) | Freq.Dev(Hz) | Deviation |
| 100%                                                       | 12         | -30       | 1502         | 0.2610    |
| 100%                                                       |            | -20       | 1300         | 0.2258    |
| 100%                                                       |            | -10       | 1444         | 0.2510    |
| 100%                                                       |            | 0         | 1353         | 0.2351    |
| 100%                                                       |            | +10       | 1213         | 0.2107    |
| 100%                                                       |            | +20       | 1514         | 0.2631    |
| 100%                                                       |            | +30       | 1049         | 0.1823    |
| 100%                                                       |            | +40       | 1557         | 0.2706    |
| 100%                                                       |            | +50       | 1337         | 0.2324    |
| Low Battery power                                          | 13.8       | +20       | 1567         | 0.2723    |
| High Battery power                                         | 10.2       | +20       | 1503         | 0.2611    |

**Antenna 1**

| <b>U-NII-1: 5470-5725MHz worst case at 802.11a middle channel</b> |            |           |              |           |
|-------------------------------------------------------------------|------------|-----------|--------------|-----------|
| Voltage(%)                                                        | Power(VDC) | TEMP( °C) | Freq.Dev(Hz) | Deviation |
| 100%                                                              | 12         | -30       | 1493         | 0.2594    |
| 100%                                                              |            | -20       | 1297         | 0.2254    |
| 100%                                                              |            | -10       | 1455         | 0.2529    |
| 100%                                                              |            | 0         | 1351         | 0.2347    |
| 100%                                                              |            | +10       | 1223         | 0.2125    |
| 100%                                                              |            | +20       | 1498         | 0.2604    |
| 100%                                                              |            | +30       | 1045         | 0.1815    |
| 100%                                                              |            | +40       | 1568         | 0.2725    |
| 100%                                                              |            | +50       | 1326         | 0.2304    |
| Low Battery power                                                 | 13.8       | +20       | 1561         | 0.2712    |
| High Battery power                                                | 10.2       | +20       | 1493         | 0.2595    |

| <b>U-NII-1:5725-5850MHz worst case at 802.11a middle channel</b> |            |           |              |           |
|------------------------------------------------------------------|------------|-----------|--------------|-----------|
| Voltage(%)                                                       | Power(VDC) | TEMP( °C) | Freq.Dev(Hz) | Deviation |
| 100%                                                             | 12         | -30       | 1491         | 0.2591    |
| 100%                                                             |            | -20       | 1289         | 0.2240    |
| 100%                                                             |            | -10       | 1454         | 0.2526    |
| 100%                                                             |            | 0         | 1347         | 0.2340    |
| 100%                                                             |            | +10       | 1211         | 0.2105    |
| 100%                                                             |            | +20       | 1505         | 0.2615    |
| 100%                                                             |            | +30       | 1042         | 0.1811    |
| 100%                                                             |            | +40       | 1568         | 0.2725    |
| 100%                                                             |            | +50       | 1328         | 0.2307    |
| Low Battery power                                                | 13.8       | +20       | 1565         | 0.2719    |
| High Battery power                                               | 10.2       | +20       | 1492         | 0.2592    |

## **APPENDIX PHOTOGRAPHS**

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**Please refer to “ANNEX”**

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