

TEST REPORT

| | |
|------------------------|---|
| EUT Description | WLAN and BT, 2x2 PCIe M.2 2230 adapter card |
| Brand Name | Intel® Wi-Fi 6 AX201 |
| Model Name | AX201NGW |
| FCC ID | PD9AX201NG |
| ISED ID | 1000M-AX201NG |
| Date of Test Start/End | 2018-09-17 / 2018-11-28 |
| Features | 802.11ax, Dual Band, 2x2 Wi-Fi + Bluetooth® 5 (see section 5) |

| | |
|----------------------|--|
| Applicant | Intel Mobile Communications |
| Address | 100 Center Point Circle, Suite 200 Columbia, South Carolina 29210 USA |
| Contact Person | Steven Hackett |
| Telephone/Fax/ Email | steven.c.hackett@intel.com |

| | |
|---------------------|---|
| Reference Standards | FCC CFR Title 47 Part 15 E RSS-247 issue 2, RSS-Gen issue 5 (see section 1) |
|---------------------|---|

| | |
|----------------------------|--|
| Test Report identification | 180717-02.TR02 |
| Revision Control | Rev. 00 This test report revision replaces any previous test report revision (see section 8) |

The test results relate only to the samples tested.
The test report shall not be reproduced in full, without written approval of the laboratory.

Issued by _____

Reviewed by _____

Gregory ROUSTAN
(Test Engineer Lead)

Cheiel IN
(Technical Manager)

Intel Corporation SAS – WRF Lab
425 rue de Goa – Le Cargo B6 - 06600, Antibes, France
Tel. +33493001400 / Fax +33493001401

Table of Contents

| | |
|--|------------|
| 1. Standards, reference documents and applicable test methods | 3 |
| 2. General conditions, competences and guarantees | 3 |
| 3. Environmental Conditions | 3 |
| 4. Test samples | 4 |
| 5. EUT Features | 4 |
| 6. Remarks and comments | 5 |
| 7. Test Verdicts summary | 5 |
| 7.1. 802.11 A/N/AC/AX – U-NII-2C | 5 |
| 8. Document Revision History | 5 |
| Annex A. Test & System Description | 6 |
| A.1 MEASUREMENT SYSTEM | 6 |
| A.2 TEST EQUIPMENT LIST | 8 |
| A.3 MEASUREMENT UNCERTAINTY EVALUATION | 9 |
| Annex B. Test Results U-NII-2C | 10 |
| B.1 TEST CONDITIONS | 10 |
| B.2 TEST RESULTS TABLES | 12 |
| B.2.1 26dB & 99% Bandwidth | 12 |
| B.2.2 Power Limits. Maximum Output power & Maximum power spectral Density | 17 |
| B.2.3 Undesirable emission limits : Band Edge (Conducted) | 33 |
| B.2.4 Radiated spurious emission | 35 |
| B.3 TEST RESULTS SCREENSHOTS | 59 |
| B.3.1 26dB Bandwidth | 59 |
| B.3.2 99% Bandwidth | 64 |
| B.3.3 Maximum Output Power & Maximum power spectral Density | 69 |
| B.3.4 Maximum Output power & Maximum power spectral Density (Overlapped Channel) | 84 |
| B.3.5 Indesirable emission limits : Band Edge (Conducted) | 93 |
| Annex C. Photographs | 127 |
| C.1 TEST SETUP | 127 |
| C.2 TEST SAMPLE | 129 |

1. Standards, reference documents and applicable test methods

1. FCC 47 CFR part 15 – Subpart E – Unlicensed National Information Infrastructure Devices.
2. FCC 47 CFR part 15 - Subpart C – §15.209 Radiated emission limits; general requirements.
3. FCC OET KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 – Guidelines for compliance testing of Unlicensed National Information Infrastructure (U-NII) Devices (Part 15, Subpart E)
4. ANSI C63.10-2013 American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.
5. RSS-247 Issue 2 - Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices.
6. RSS-Gen Issue 5 - General Requirements for Compliance of Radio Apparatus.

2. General conditions, competences and guarantees

- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an ISO/IEC 17025:2005 testing laboratory accredited by the American Association for Laboratory Accreditation (A2LA) with the certificate number 3478.01.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an Accredited Test Firm recognized by the FCC, with Designation Number FR0011.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is a Registered Test Site listed by IC, with IC Assigned Code 1000Y.
- ✓ Intel WRF Lab only provides testing services and is committed to providing reliable, unbiased test results and interpretations.
- ✓ Intel WRF Lab is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.
- ✓ Intel WRF Lab has developed calibration and proficiency programs for its measurement equipment to ensure correlated and reliable results to its customers.
- ✓ This report is only referred to the item that has undergone the test.

This report does not imply an approval of the product by the Certification Bodies or competent Authorities.

3. Environmental Conditions

- ✓ At the site where the measurements were performed the following limits were not exceeded during the tests:

| | |
|-------------|-------------|
| Temperature | 23 °C ±3 °C |
| Humidity | 48 % ± 25 % |

4. Test samples

| Sample | Control # | Description | Model | Serial # | Date of receipt | Note |
|--------|---------------|-------------|----------------|--------------------|-----------------|---|
| #1 | 180717-02.S01 | RF MODULE | AX201NGW | WFM : 3413E8CA86D1 | 2018-09-06 | Used for conducted tests |
| | 180717-03.S13 | EXTENDER | PCB00651_01 | 6510818-131 | 2018-08-21 | |
| | 170000-01.S01 | LAPTOP | LATITUDE E5470 | DBLMC2 | 2017-03-28 | |
| #2 | 180717-02.S07 | RF MODULE | AX201NGW | WFM : 3413E8CA866D | 2018-09-06 | Radiated Spurious emission from 30 MHz to 6.4 GHz |
| | 180326-01.S03 | EXTENDER | PCB00651_01 | 6510818-198 | 2018-03-27 | |
| | 170209-01.S16 | LAPTOP | LATITUDE E7470 | C1HTPF2 | 2017-02-09 | |
| #3 | 180717-02.S08 | RF MODULE | AX201NGW | WFM:3413E8CA8681 | 2018-09-06 | Radiated Spurious emission from 6.4 GHz to 40 GHz |
| | 180717-03.S18 | EXTENDER | PCB00651_01 | 6510817-133 | 2018-08-21 | |
| | 170801-01.S10 | LAPTOP | LATITUDE E7470 | 7KNOXF2 | 2017-09-07 | |

5. EUT Features

| | |
|------------------------|--|
| Brand Name | Intel® Wi-Fi 6 AX201 |
| Model Name | AX201NGW |
| FCC ID | PD9AX201NG |
| ISED ID | 1000M-AX201NG |
| Software Version | OEM DRTU_08048_11_1832_0G |
| Driver Version | 99.0.39.1 (V010.16.t64) |
| Prototype / Production | Production |
| Supported Radios | 802.11b/g/n/ax 2.4GHz (2400.0 – 2483.5 MHz) 802.11a/n/ac/ax 5.2GHz (5150.0 – 5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz) Bluetooth 5 2.4GHz (2400.0 – 2483.5 MHz) |
| Antenna Information | CHAIN A: PIFA antenna. WiFi 2.4GHz & 5GHz and BT CHAIN B: PIFA antenna. WiFi 2.4GHz & 5GHz |
| Additional Information | |

6. Remarks and comments

N/A

7. Test Verdicts summary

7.1. 802.11 a/n/ac/ax – U-NII-2C

| FCC part | RSS part | Test name | Verdict |
|------------------------------|--|---|---------|
| 15.407 (a) (2) | RSS-247 Clause 6.2.3.1 | Power Limits. Maximum output power | P |
| 15.407 (a) (2) | RSS-247 Clause 6.2.3.1 | Peak power spectral density | P |
| 15.407 (b) (3) 15.209 (a) | RSS-247 Clause 6.2.3.2 RSS-GEN Clause 8.9 | Undesirable emissions limits: Band Edge (conducted) | P |
| 15.407 (b) (3) 15.209 (a) | RSS-247 Clause 6.2.3.2 RSS-GEN Clause 8.9 | Undesirable emissions limits (radiated) | P |

8. Document Revision History

| Revision # | Date | Modified by | Revision Details |
|------------|------------|-------------|------------------|
| Rev. 00 | 2018-11-28 | G. Gerbaud | First Issue |

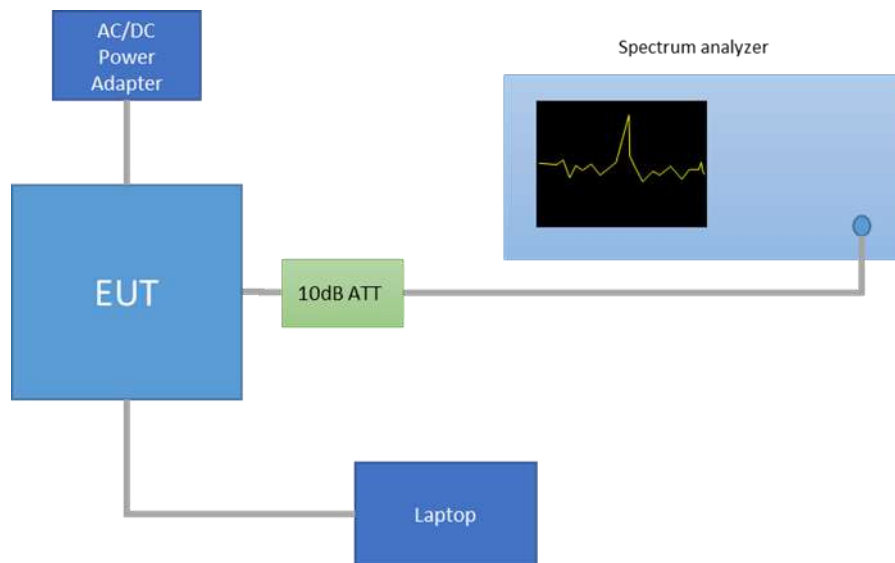
Annex A. Test & System Description

A.1 Measurement System

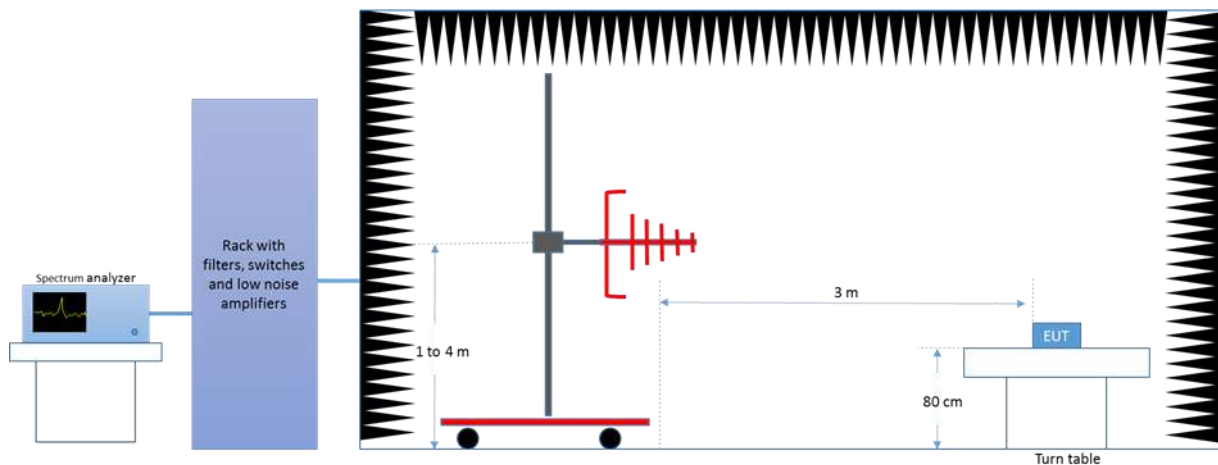
Measurements were performed using the following setups, made in accordance to the general provisions of FCC KDB 789033 D02 General UNII Test Procedures.

The DUT was installed in a test fixture and this test fixture is connected to a laptop computer and AC/DC power adapter. The laptop computer was used to configure the EUT to continuously transmit at a specified output power using all different modes and modulation schemes, using the Intel proprietary tool DRTU.

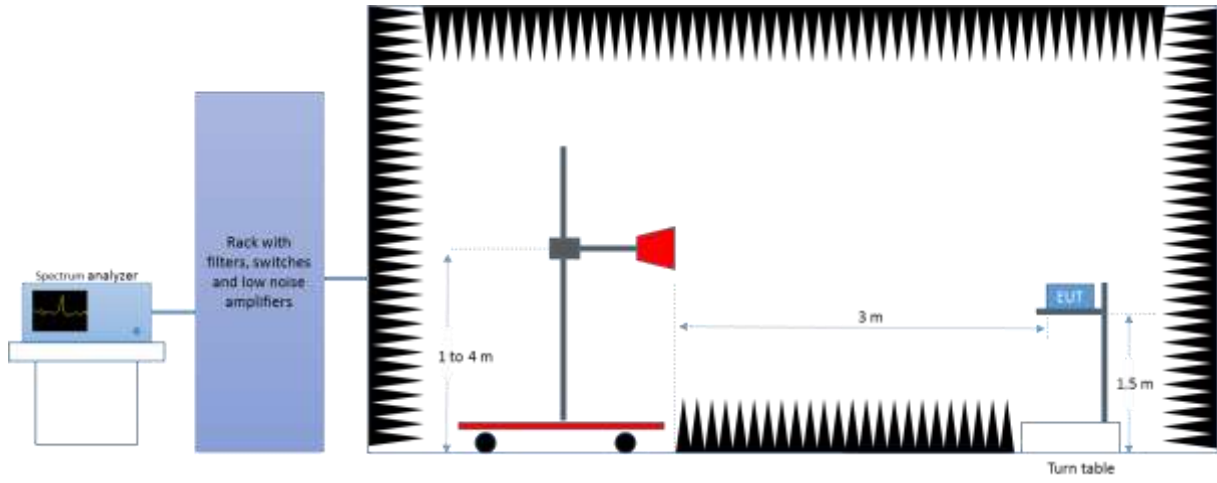
Conducted Setup



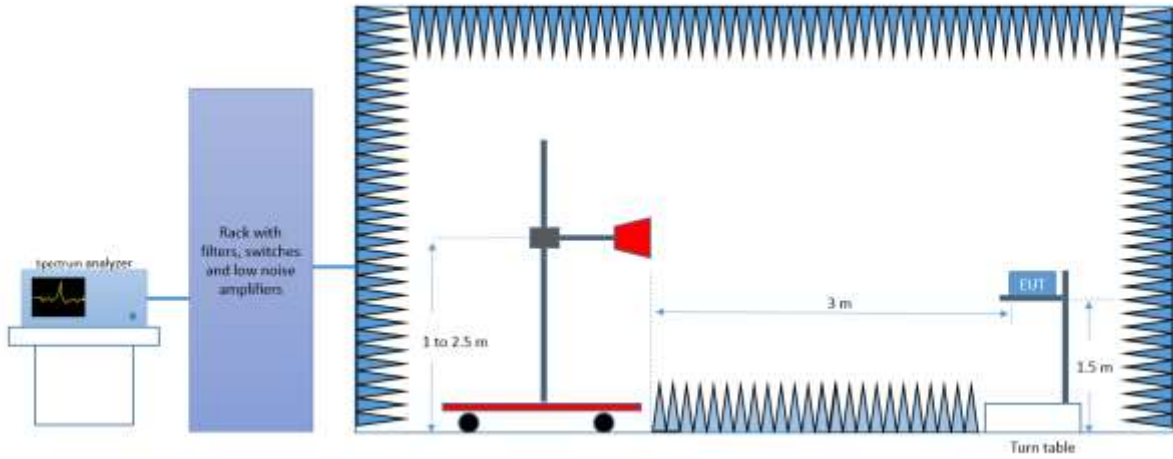
Radiated Setup 30 MHz - 1GHz



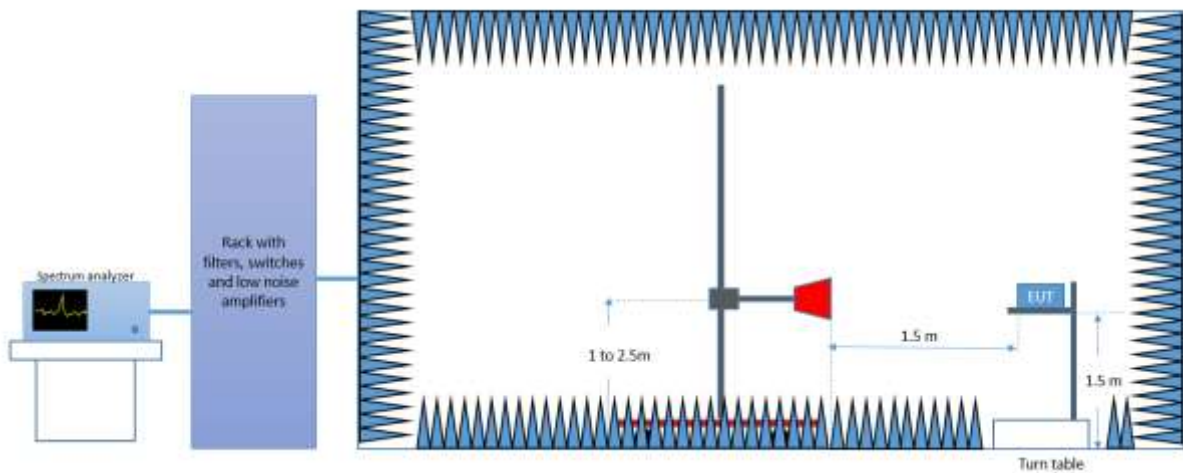
Radiated Setup 1 GHz – 6.4 GHz



Radiated Setup 6.4 GHz – 18 GHz



Radiated Setup 18 GHz – 40 GHz



A.2 Test Equipment List

Conducted Setup

| ID# | Device | Type/Model | Serial # | Manufacturer | Cal. Date | Cal. Due Date |
|------|-------------------|------------|----------|-----------------|------------|---------------|
| 0315 | Spectrum analyzer | FSV30 | 103307 | Rohde & Schwarz | 2018-04-10 | 2020-04-10 |

Radiated Setup-1

| ID# | Device | Type/Model | Serial # | Manufacturer | Cal. Date | Cal. Due Date |
|------|---|------------|----------|-----------------|------------|---------------|
| 0420 | Spectrum analyzer | FSV40 | 101556 | Rohde & Schwarz | 2018-05-17 | 2020-05-17 |
| 0137 | Log antenna 30 MHz – 1 GHz | 3142E | 00156946 | ETS Lindgren | 2017-12-19 | 2019-12-19 |
| 0325 | Double Ridged Horn Antenna 1 GHz – 18 GHz | 3117 | 00157734 | ETS Lindgren | 2017-08-22 | 2019-08-22 |
| 0135 | Semi Anechoic chamber | FACT 3 | 5720 | ETS Lindgren | 2018-04-18 | 2020-04-18 |
| 0530 | Measurement Software | EMC32 | 100623 | Rohde & Schwarz | N/A | N/A |

N/A: Not Applicable

Radiated Setup-2

| ID# | Device | Type/Model | Serial # | Manufacturer | Cal. Date | Cal. Due Date |
|------|--|------------|----------|-----------------|------------|---------------|
| 0133 | Spectrum analyzer | FSV40 | 101358 | Rohde & Schwarz | 2018-04-11 | 2020-04-11 |
| 0141 | Double Ridged Horn Antenna 1 GHz – 18 GHz | 3117 | 00157736 | ETS Lindgren | 2018-05-11 | 2020-05-11 |
| 0334 | Double Ridged Horn Antenna 18 GHz – 40 GHz | 3116C-PA | 00196308 | ETS Lindgren | 2017-08-22 | 2019-08-22 |
| 0337 | Full Anechoic chamber | RFD_FA_100 | 5996 | ETS Lindgren | 2018-04-17 | 2020-04-17 |
| 0329 | Measurement Software | EMC32 | 100401 | Rohde & Schwarz | N/A | N/A |

N/A: Not Applicable

Radiated Setup - shared equipment

| ID# | Device | Type/Model | Serial # | Manufacturer | Cal. Date | Cal. Due Date |
|------|-----------------------------|------------|----------|-----------------|------------|---------------|
| 0616 | Power Sensor 50MHz-18GHz | NRP-Z81 | 104385 | Rohde & Schwarz | 2018-04-16 | 2020-04-16 |
| 0617 | Power Sensor 50MHz-18GHz | NRP-Z81 | 104386 | Rohde & Schwarz | 2018-04-16 | 2020-04-16 |
| 0618 | Power Sensor 50MHz-18GHz | NRP-Z81 | 104382 | Rohde & Schwarz | 2018-04-16 | 2020-04-16 |

A.3 Measurement Uncertainty Evaluation

The system uncertainty evaluation is shown in the below table:

| Measurement type | Uncertainty [±dB] |
|------------------------------|--------------------|
| Conducted Power | ±1.0 |
| Conducted Spurious Emission | ±2.9 |
| Radiated tests <1GHz | ±3.8 |
| Radiated tests 1GHz - 40 GHz | ±4.7 |

Annex B. Test Results U-NII-2C

B.1 Test Conditions

For 802.11a mode the EUT can transmit at both CHAIN A and CHAIN B RF outputs individually, but not simultaneously.

For 802.11n20 & 802.11ax20 (20 MHz channel bandwidth), 802.11n40 & 802.11ax40 (40MHz channel bandwidth), 802.11ac80 & 802.11ax80 (80MHz channel bandwidth) and 802.11ac160 & 802.11ax160 (160MHz channel bandwidth) modes the EUT can transmit at both CHAIN A and CHAIN B RF outputs individually, and also simultaneously.

The conducted RF output power for each chain was adjusted according to the client's supplied Target values (see following table) using the Intel DRTU tool and measuring the power by using a spectrum analyser with the channel integration method according to point II) E) 2) e) (Method SA-2 Alternative) of Guidance 789033 D02.

Measured values for adjustment were within +/- 0.25 dB from the declared Target values.

| U-NII-2C | | | | | Conducted Power, Target Value (dBm) | | |
|----------|----------|-------------|------|-------------|-------------------------------------|--------------|----------------------------|
| Mode | BW (MHz) | Data Rate | CH # | Freq. (MHz) | SISO Chain A | SISO Chain B | MIMO at both ports A and B |
| 802.11a | 20 | 6Mbps | 100 | 5500 | 17.50 | 17.50 | N/A |
| | | | 120 | 5600 | 21.00 | 21.00 | N/A |
| | | | 140 | 5700 | 18.00 | 18.00 | N/A |
| 802.11n | 20 | HT0 HT8* | 100 | 5500 | 17.50 | 17.50 | 17.00 |
| | | | 120 | 5600 | 21.00 | 21.00 | 21.50 |
| | | | 140 | 5700 | 18.00 | 18.00 | 17.50 |
| | 40 | HT0 HT8* | 102F | 5510 | 17.50 | 18.00 | 17.00 |
| | | | 118F | 5590 | 20.50 | 20.00 | 21.00 |
| | | | 134F | 5670 | 19.00 | 19.00 | 20.00 |
| 802.11ac | 80 | VHT0 | 106 | 5530 | 18.00 | 18.00 | 18.00 |
| | | | 122 | 5610 | 20.50 | 20.00 | 21.50 |
| 802.11ac | 160 | VHT0 | 114 | 5570 | 14.50 | 15.00 | 15.00 |
| 802.11ax | 20 | HE0 | 100 | 5500 | 17.50 | 17.50 | 17.00 |
| | | | 120 | 5600 | 21.00 | 21.00 | 21.50 |
| | | | 140 | 5700 | 17.50 | 18.00 | 17.00 |
| | 40 | | 102F | 5510 | 17.50 | 18.00 | 17.00 |
| | | | 118F | 5590 | 20.50 | 20.50 | 21.00 |
| | | | 134F | 5670 | 19.00 | 19.50 | 20.00 |
| 802.11ax | 80 | 106 | 5530 | 18.00 | 17.50 | 18.00 | |
| | | 122 | 5610 | 19.50 | 19.50 | 21.50 | |
| 802.11ax | 160 | | 114 | 5570 | 14.50 | 14.50 | 15.00 |

* Note: HT8 for MIMO modes only

| Overlapped channels between UNII-2C and UNII-3 | | | | | Conducted Power, Target Value (dBm) | | |
|--|----------|-------------|------|-------------|-------------------------------------|--------------|----------------------------|
| Mode | BW (MHz) | Data Rate | CH # | Freq. (MHz) | SISO Chain A | SISO Chain B | MIMO at both ports A and B |
| 802.11n | 20 | HT0 HT8* | 144 | 5720 | 20.5 | 20.5 | 21.0 |
| | 40 | HT0 HT8* | 142F | 5710 | 20.5 | 21.0 | 21.5 |
| 802.11ac | 80 | VHT0 | 138 | 5690 | 21.0 | 21.0 | 22.0 |
| 802.11ax | 20 | HE0 | 144 | 5720 | 20.5 | 21.0 | 21.5 |
| | 40 | | 142F | 5710 | 21.0 | 21.0 | 21.5 |
| | 80 | | 138 | 5690 | 21.0 | 21.0 | 21.5 |

* Note: HT8 for MIMO modes only

The following data rates were selected based on preliminary testing that identified those rates as the worst cases for output power and spurious levels at the band edges:

- 802.11a → 6Mbps
- 802.11n20 and 802.11n40 (SISO) → HT0
- 802.11n20 and 802.11n40 (MIMO) → HT8
- 802.11ac80 (SISO) → VHT0
- 802.11ac80 (MIMO) → VHT0
- 802.11ac160 (SISO) → VHT0
- 802.11ac160 (MIMO) → VHT0
- 802.11ax20 and 802.11ax40 (SISO) → HE0
- 802.11ax20 and 802.11ax40 (MIMO) → HE0
- 802.11ax80 (SISO) → HE0
- 802.11ax80 (MIMO) → HE0
- 802.11ax160 (SISO) → HE0
- 802.11ax160 (MIMO) → HE0

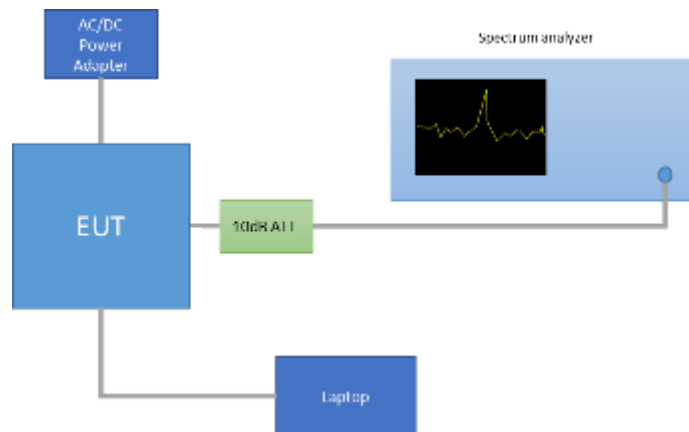
Alternative channels to the lowest and highest channels per band have been also tested for Band Edge compliance.

B.2 Test Results Tables

B.2.1 26dB & 99% Bandwidth

Test procedure

The setup below was used to measure the 26dB & 99% Bandwidth. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.



For the overlapped channels between U-NII-2C and U-NII-3 bands, and according to FCC KDB 789033 D02 v02r01, the boundary frequency between the bands is used as one edge for defining the portion of the 26dB bandwidth that falls within a particular U-NII band. This rule is only applicable for the 26dB bandwidth and for those channels marked as overlapped.

Results tables

U-NII-2C channels

| Mode | Rate | Antenna | Channel | Freq. [MHz] | 26dB BW [MHz] | 99% BW [MHz] |
|-------------|-------|--------------|---------|-------------|---------------|--------------|
| 802.11a | 6Mbps | SISO CHAIN A | 100 | 5500 | 25.07 | 16.88 |
| | | | 120 | 5600 | 32.38 | 18.48 |
| | | | 140 | 5700 | 25.07 | 16.88 |
| | | SISO CHAIN B | 100 | 5500 | 24.57 | 16.84 |
| | | | 120 | 5600 | 29.38 | 18.08 |
| | | | 140 | 5700 | 24.87 | 16.92 |
| 802.11n20 | HT0 | SISO CHAIN A | 100 | 5500 | 25.23 | 17.96 |
| | | | 120 | 5600 | 34.93 | 19.68 |
| | | | 140 | 5700 | 25.93 | 17.96 |
| | | SISO CHAIN B | 100 | 5500 | 25.18 | 17.96 |
| | | | 120 | 5600 | 29.93 | 18.80 |
| | | | 140 | 5700 | 24.87 | 17.96 |
| | HT8 | MIMO CHAIN A | 100 | 5500 | 24.87 | 18.00 |
| | | | 120 | 5600 | 26.03 | 18.08 |
| | | | 140 | 5700 | 24.92 | 17.92 |
| | | MIMO CHAIN B | 100 | 5500 | 25.23 | 17.92 |
| | | | 120 | 5600 | 24.77 | 17.96 |
| | | | 140 | 5700 | 25.03 | 17.92 |
| 802.11n40 | HT0 | SISO CHAIN A | 102F | 5510 | 45.05 | 36.64 |
| | | | 118F | 5590 | 59.64 | 37.04 |
| | | | 134F | 5670 | 45.95 | 36.72 |
| | | SISO CHAIN B | 102F | 5510 | 45.49 | 36.64 |
| | | | 118F | 5590 | 49.91 | 36.88 |
| | | | 134F | 5670 | 46.04 | 36.72 |
| | HT8 | MIMO CHAIN A | 102F | 5510 | 45.05 | 36.64 |
| | | | 118F | 5590 | 46.85 | 36.80 |
| | | | 134F | 5670 | 46.04 | 36.64 |
| | | MIMO CHAIN B | 102F | 5510 | 44.32 | 36.40 |
| | | | 118F | 5590 | 44.77 | 36.48 |
| | | | 134F | 5670 | 44.86 | 36.40 |
| 802.11ac80 | VHT0 | SISO CHAIN A | 106 | 5530 | 90.12 | 75.12 |
| | | | 122 | 5610 | 94.33 | 75.36 |
| | | SISO CHAIN B | 106 | 5530 | 86.92 | 75.00 |
| | | | 122 | 5610 | 87.87 | 75.24 |
| | | MIMO CHAIN A | 106 | 5530 | 86.72 | 75.24 |
| | | | 122 | 5610 | 90.34 | 75.24 |
| | | MIMO CHAIN B | 106 | 5530 | 86.16 | 75.00 |
| | | | 122 | 5610 | 86.92 | 75.12 |
| 802.11ac160 | VHT0 | SISO CHAIN A | 114 | 5570 | 164.84 | 153.00 |
| | | SISO CHAIN B | 114 | 5570 | 165.49 | 153.00 |
| | | MIMO CHAIN A | 114 | 5570 | 166.16 | 152.80 |
| | | MIMO CHAIN B | 114 | 5570 | 164.84 | 153.00 |

| Mode | Rate | Antenna | Channel | Freq. [MHz] | 26dB BW [MHz] | 99% BW [MHz] |
|--------------|------|--------------|---------|-------------|---------------|--------------|
| 802.11ax20 | HE0 | SISO CHAIN A | 100 | 5500 | 24.98 | 19.04 |
| | | | 120 | 5600 | 33.78 | 19.48 |
| | | | 140 | 5700 | 24.92 | 19.08 |
| | | SISO CHAIN B | 100 | 5500 | 24.92 | 19.08 |
| | | | 120 | 5600 | 31.53 | 19.36 |
| | | | 140 | 5700 | 24.77 | 19.08 |
| | | MIMO CHAIN A | 100 | 5500 | 25.93 | 19.12 |
| | | | 120 | 5600 | 26.03 | 19.12 |
| | | | 140 | 5700 | 24.77 | 19.12 |
| | | MIMO CHAIN B | 100 | 5500 | 25.03 | 19.08 |
| | | | 120 | 5600 | 24.32 | 19.12 |
| | | | 140 | 5700 | 24.92 | 19.04 |
| 802.11ax40 | HE0 | SISO CHAIN A | 102F | 5510 | 44.59 | 37.84 |
| | | | 118F | 5590 | 48.65 | 38.00 |
| | | | 134F | 5670 | 45.23 | 37.84 |
| | | SISO CHAIN B | 102F | 5510 | 44.41 | 37.84 |
| | | | 118F | 5590 | 47.75 | 38.00 |
| | | | 134F | 5670 | 44.96 | 37.92 |
| | | MIMO CHAIN A | 102F | 5510 | 44.50 | 37.92 |
| | | | 118F | 5590 | 45.23 | 37.92 |
| | | | 134F | 5670 | 44.59 | 37.92 |
| | | MIMO CHAIN B | 102F | 5510 | 44.14 | 37.84 |
| | | | 118F | 5590 | 44.96 | 37.84 |
| | | | 134F | 5670 | 44.96 | 37.84 |
| 802.11ax80 | HE0 | SISO CHAIN A | 106 | 5530 | 83.87 | 76.80 |
| | | | 122 | 5610 | 84.44 | 76.80 |
| | | SISO CHAIN B | 106 | 5530 | 83.68 | 76.68 |
| | | | 122 | 5610 | 83.87 | 76.80 |
| | | MIMO CHAIN A | 106 | 5530 | 83.30 | 76.68 |
| | | | 122 | 5610 | 84.06 | 76.68 |
| MIMO CHAIN B | 106 | 5530 | 84.64 | 76.68 | | |
| | 122 | 5610 | 83.49 | 76.68 | | |
| 802.11ax160 | HE0 | SISO CHAIN A | 114 | 5570 | 164.51 | 154.80 |
| | | SISO CHAIN B | 114 | 5570 | 163.84 | 154.60 |
| | | MIMO CHAIN A | 114 | 5570 | 163.84 | 154.80 |
| | | MIMO CHAIN B | 114 | 5570 | 163.84 | 155.00 |

| Mode | Rate | Antenna | Channel | Frequency [MHz] | RU Configuration | 26dB BW [MHz] | 99% BW [MHz] | | | | |
|--------------|--------|--------------|---------|-----------------|------------------|---------------|--------------|------|--------|-------|-------|
| 802.11ax20 | HE0 | SISO CHAIN A | 100 | 5500 | 26/0 | 20.57 | 18.60 | | | | |
| | | | | | 52/37 | 21.42 | 18.32 | | | | |
| | | | | | 106/53 | 22.12 | 18.36 | | | | |
| | | SISO CHAIN B | | | 26/0 | 20.72 | 18.60 | | | | |
| | | | | | 52/37 | 21.72 | 18.44 | | | | |
| | | | | | 106/53 | 22.67 | 18.36 | | | | |
| | | MIMO CHAIN A | | | 26/0 | 20.57 | 18.60 | | | | |
| | | | | | 52/37 | 21.52 | 18.44 | | | | |
| | | | | | 106/53 | 21.62 | 18.36 | | | | |
| | | MIMO CHAIN B | | | 26/0 | 20.47 | 18.56 | | | | |
| | | | | | 52/37 | 21.47 | 18.44 | | | | |
| | | | | | 106/53 | 22.12 | 18.32 | | | | |
| | | 802.11ax40 | | | HE0 | SISO CHAIN A | 140 | 5700 | 26/8 | 20.72 | 18.56 |
| | | | | | | | | | 52/40 | 22.07 | 18.32 |
| | | | | | | | | | 106/54 | 24.37 | 18.28 |
| | | | | | | SISO CHAIN B | | | 26/8 | 20.92 | 18.60 |
| 52/40 | 22.07 | | 18.40 | | | | | | | | |
| 106/54 | 23.77 | | 18.40 | | | | | | | | |
| MIMO CHAIN A | 26/8 | | 21.17 | 18.64 | | | | | | | |
| | 52/40 | | 21.62 | 18.48 | | | | | | | |
| | 106/54 | | 23.72 | 18.36 | | | | | | | |
| MIMO CHAIN B | 26/8 | | 20.52 | 18.44 | | | | | | | |
| | 52/40 | | 22.37 | 18.24 | | | | | | | |
| | 106/54 | | 23.37 | 18.16 | | | | | | | |
| 802.11ax40 | HE0 | SISO CHAIN A | 102F | 5510 | 242/61 | 25.41 | 19.12 | | | | |
| | | SISO CHAIN B | | | 242/61 | 25.14 | 19.12 | | | | |
| | | MIMO CHAIN A | | | 242/61 | 24.41 | 19.20 | | | | |
| | | MIMO CHAIN B | | | 242/61 | 27.48 | 19.12 | | | | |
| | | SISO CHAIN A | 134F | 5670 | 242/62 | 26.85 | 19.20 | | | | |
| | | SISO CHAIN B | | | 242/62 | 26.76 | 19.28 | | | | |
| | | MIMO CHAIN B | | | 242/62 | 24.96 | 19.20 | | | | |
| | | MIMO CHAIN A | | | 242/62 | 26.13 | 19.04 | | | | |
| 802.11ax80 | HE0 | SISO CHAIN A | 106 | 5530 | 484/65 | 44.69 | 37.92 | | | | |
| | | SISO CHAIN B | | | 484/65 | 43.93 | 37.80 | | | | |
| | | MIMO CHAIN A | | | 484/65 | 45.08 | 38.04 | | | | |
| | | MIMO CHAIN B | | | 484/65 | 44.31 | 37.80 | | | | |
| 802.11ax160 | HE0 | SISO CHAIN A | 114 | 5570 | 996/67 | 85.56 | 76.80 | | | | |
| | | | | | 996/S67 | 85.23 | 76.80 | | | | |
| | | SISO CHAIN B | | | 996/67 | 85.56 | 77.00 | | | | |
| | | | | | 996/S67 | 85.23 | 76.80 | | | | |
| | | MIMO CHAIN A | | | 996/67 | 84.23 | 76.80 | | | | |
| | | | | | 996/67 | 85.56 | 76.80 | | | | |
| | | MIMO CHAIN B | | | 996/S67 | 90.16 | 77.00 | | | | |
| | | | | | 996/S67 | 88.19 | 77.00 | | | | |

Max Value

Overlapped channels between U-NII-2C and U-NII-3

| Mode | Rate | Antenna | Channel | Freq. | 26dB BW UNII-2C |
|------------|------|--------------|---------|-------|-----------------|
| | | | | [MHz] | [MHz] |
| 802.11n20 | HT0 | SISO CHAIN A | 144 | 5720 | 17.93 |
| | | SISO CHAIN B | | | 18.28 |
| | HT8 | MIMO CHAIN A | | | 17.62 |
| | | MIMO CHAIN B | | | 17.27 |
| 802.11n40 | HT0 | SISO CHAIN A | 142F | 5710 | 39.52 |
| | | SISO CHAIN B | | | 39.35 |
| | HT8 | MIMO CHAIN A | | | 38.08 |
| | | MIMO CHAIN B | | | 37.09 |
| 802.11ac80 | VHT0 | SISO CHAIN A | 138 | 5690 | 80.10 |
| | | SISO CHAIN B | | | 79.74 |
| | | MIMO CHAIN A | | | 79.36 |
| | | MIMO CHAIN B | | | 77.84 |
| 802.11ax20 | HE0 | SISO CHAIN A | 144 | 5720 | 18.02 |
| | | SISO CHAIN B | | | 19.08 |
| | | MIMO CHAIN A | | | 17.37 |
| | | MIMO CHAIN B | | | 16.97 |
| 802.11ax40 | HE0 | SISO CHAIN A | 142F | 5710 | 38.71 |
| | | SISO CHAIN B | | | 38.98 |
| | | MIMO CHAIN A | | | 37.63 |
| | | MIMO CHAIN B | | | 37.45 |
| 802.11ax80 | HE0 | SISO CHAIN A | 138 | 5690 | 78.22 |
| | | SISO CHAIN B | | | 78.03 |
| | | MIMO CHAIN A | | | 76.89 |
| | | MIMO CHAIN B | | | 76.51 |

Max Value

See Section B.3.1 and Section B.3.2 for the screenshot results.

B.2.2 Power Limits. Maximum Output power & Maximum power spectral Density

Test limits

| Part | Limits |
|--------------------------|---|
| FCC 15.407 (a) (2) | For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the peak power spectral density shall not exceed 11 dBm in any 1 megahertz band. |
| RSS-247 Clause 6.2.3 (1) | The maximum conducted output power shall not exceed 250 mW or 11 + 10 log ₁₀ B, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band. The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log ₁₀ B, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W. |

Test procedure

The Maximum Conducted Output Power was measured using the channel integration method according to point E) 2) e) (Method SA-2 Alternative) of KDB 789033 D02.

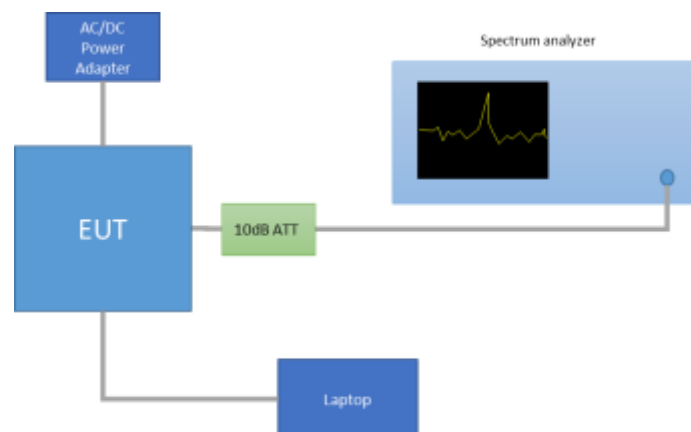
The maximum power spectral density (PSD) was measured using the method according to point F) (Method SA-2 Alternative) of KDB 789033 D02.

In the measure-and-sum approach for MIMO mode, the conducted emission level (e.g., transmit power or power in specified bandwidth) is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically in linear power units to determine the total emission level from the device.

The EIRP power (dBm) is calculated by adding the declared maximum antenna gain to the measured conducted power.

The setup below was used to measure the maximum conducted output power and power spectral density. The antenna terminal of the EUT is connected to the spectrum analyser through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

The declared maximum antenna gain is 5dBi.



For the overlapped channels between U-NII-2C and U-NII-3, and according to FCC KDB 789033 D02 v02r01, the power is computed based on the portion of the emission bandwidth contained within that band. This rule is only applicable for those channels marked as overlapped

Results tables
Duty cycle

| Mode | Rate | Antenna | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|-------------|-------|---------|----------------------------|--------------------------|----------------|
| 802.11a | 6Mbps | SISO-A | 2.08 | 2.13 | 97.50% |
| | | SISO-B | 2.08 | 2.13 | 97.50% |
| 802.11n20 | HT0 | SISO-A | 3.96 | 4.01 | 98.65% |
| | | SISO-B | 3.96 | 4.01 | 98.65% |
| | HT8 | MIMO-A | 3.96 | 4.01 | 98.65% |
| | | MIMO-B | 3.96 | 4.01 | 98.65% |
| 802.11ax20 | HE0 | SISO-A | 3.94 | 3.99 | 98.67% |
| | | SISO-B | 3.94 | 3.99 | 98.67% |
| | | MIMO-A | 3.94 | 3.99 | 98.67% |
| | | MIMO-B | 3.94 | 3.99 | 98.67% |
| 802.11n40 | HT0 | SISO-A | 3.96 | 4.01 | 98.74% |
| | | SISO-B | 3.96 | 4.01 | 98.74% |
| | HT8 | MIMO-A | 3.96 | 4.01 | 98.73% |
| | | MIMO-B | 3.96 | 4.01 | 98.73% |
| 802.11ax40 | HE0 | SISO-A | 4.65 | 4.70 | 98.86% |
| | | SISO-B | 4.65 | 4.70 | 98.86% |
| | | MIMO-A | 3.96 | 4.01 | 98.73% |
| | | MIMO-B | 3.96 | 4.01 | 98.73% |
| 802.11ac80 | VHT0 | SISO-A | 3.95 | 4.00 | 98.66% |
| | | SISO-B | 3.95 | 4.00 | 98.66% |
| | | MIMO-A | 3.95 | 4.01 | 98.60% |
| | | MIMO-B | 3.95 | 4.01 | 98.60% |
| 802.11ax80 | HE0 | SISO-A | 3.95 | 4.01 | 98.66% |
| | | SISO-B | 3.95 | 4.01 | 98.66% |
| | | MIMO-A | 3.97 | 4.02 | 98.67% |
| | | MIMO-B | 3.97 | 4.02 | 98.67% |
| 802.11ac160 | VTH0 | SISO-A | 3.94 | 4.00 | 98.66% |
| | | SISO-B | 3.94 | 4.00 | 98.66% |
| | | MIMO-A | 2.78 | 2.83 | 98.19% |
| | | MIMO-B | 2.78 | 2.83 | 98.19% |
| 802.11ax160 | HE0 | SISO-A | 3.96 | 4.01 | 98.73% |
| | | SISO-B | 3.96 | 4.01 | 98.73% |
| | | MIMO-A | 2.69 | 2.74 | 98.02% |
| | | MIMO-B | 2.69 | 2.74 | 98.02% |

Maximum output power – U-NII-2C Channels

| Mode | Rate | Channel | Freq. [MHz] | Antenna | Average Cond. Output Power [dBm] | Max.* Cond. Output Power [dBm] | Max.* Cond. Output Power [mW] | Max. EIRP [dBm] | |
|--------------|-----------|--------------|-------------|--------------|----------------------------------|--------------------------------|-------------------------------|-----------------|-------|
| 802.11a | 6Mbps | 100 | 5500 | SISO CHAIN A | 17.32 | 17.43 | 55.33 | 22.43 | |
| | | | | SISO CHAIN B | 17.61 | 17.72 | 59.16 | 22.72 | |
| | | 120 | 5600 | SISO CHAIN A | 20.93 | 21.04 | 127.06 | 26.04 | |
| | | | | SISO CHAIN B | 21.03 | 21.14 | 130.02 | 26.14 | |
| | | 140 | 5700 | SISO CHAIN A | 17.83 | 17.94 | 62.23 | 22.94 | |
| | | | | SISO CHAIN B | 17.95 | 18.06 | 63.97 | 23.06 | |
| 802.11n20 | HT0 | 100 | 5500 | SISO CHAIN A | 17.37 | 17.37 | 54.58 | 22.37 | |
| | | | | SISO CHAIN B | 17.64 | 17.64 | 58.08 | 22.64 | |
| | | 120 | 5600 | SISO CHAIN A | 21.23 | 21.23 | 132.74 | 26.23 | |
| | | | | SISO CHAIN B | 21.06 | 21.06 | 127.64 | 26.06 | |
| | | 140 | 5700 | SISO CHAIN A | 17.81 | 17.81 | 60.39 | 22.81 | |
| | | | | SISO CHAIN B | 17.95 | 17.95 | 62.37 | 22.95 | |
| | HT8 | 100 | 5500 | MIMO CHAIN A | 13.98 | 13.98 | 25.00 | 18.98 | |
| | | | | MIMO CHAIN B | 13.99 | 13.99 | 25.06 | 18.99 | |
| | | | | Combined A+B | 17.00 | 17.00 | 50.06 | 22.00 | |
| | | 120 | 5600 | MIMO CHAIN A | 18.32 | 18.32 | 67.92 | 23.32 | |
| | | | | MIMO CHAIN B | 18.20 | 18.20 | 66.07 | 23.20 | |
| | | | | Combined A+B | 21.27 | 21.27 | 133.99 | 26.27 | |
| | | 140 | 5700 | MIMO CHAIN A | 14.33 | 14.33 | 27.10 | 19.33 | |
| | | | | MIMO CHAIN B | 14.27 | 14.27 | 26.73 | 19.27 | |
| | | | | Combined A+B | 17.31 | 17.31 | 53.83 | 22.31 | |
| | 802.11n40 | HT0 | 102F | 5510 | SISO CHAIN A | 17.53 | 17.53 | 56.62 | 22.53 |
| | | | | | SISO CHAIN B | 17.82 | 17.82 | 60.53 | 22.82 |
| | | | 118F | 5590 | SISO CHAIN A | 20.32 | 20.32 | 107.65 | 25.32 |
| SISO CHAIN B | | | | | 20.21 | 20.21 | 104.95 | 25.21 | |
| 134F | | | 5670 | SISO CHAIN A | 19.19 | 19.19 | 82.99 | 24.19 | |
| | | | | SISO CHAIN B | 19.10 | 19.10 | 81.28 | 24.10 | |
| HT8 | | 102F | 5510 | MIMO CHAIN A | 14.06 | 14.06 | 25.47 | 19.06 | |
| | | | | MIMO CHAIN B | 14.15 | 14.15 | 26.00 | 19.15 | |
| | | | | Combined A+B | 17.12 | 17.12 | 51.47 | 22.12 | |
| | | 118F | 5590 | MIMO CHAIN A | 17.82 | 17.82 | 60.53 | 22.82 | |
| | | | | MIMO CHAIN B | 18.09 | 18.09 | 64.42 | 23.09 | |
| | | | | Combined A+B | 20.97 | 20.97 | 124.95 | 25.97 | |
| 134F | 5670 | MIMO CHAIN A | 17.15 | 17.15 | 51.88 | 22.15 | | | |
| | | MIMO CHAIN B | 17.06 | 17.06 | 50.82 | 22.06 | | | |
| | | Combined A+B | 20.12 | 20.12 | 102.70 | 25.12 | | | |

Max Value
Min Value

| Mode | Rate | Channel | Freq. [MHz] | Antenna | Average Cond. Output Power [dBm] | Max.* Cond. Output Power [dBm] | Max.* Cond. Output Power [mW] | Max.* EIRP [dBm] |
|-------------|------|---------|-------------|--------------|----------------------------------|--------------------------------|-------------------------------|------------------|
| 802.11ac80 | VHT0 | 106 | 5530 | SISO CHAIN A | 17.79 | 17.79 | 60.12 | 22.79 |
| | | | | SISO CHAIN B | 17.99 | 17.99 | 62.95 | 22.99 |
| | | | | MIMO CHAIN A | 14.82 | 14.82 | 30.34 | 19.82 |
| | | | | MIMO CHAIN B | 15.02 | 15.02 | 31.77 | 20.02 |
| | | | | Combined A+B | 17.93 | 17.93 | 62.11 | 22.93 |
| | | 122 | 5610 | SISO CHAIN A | 20.31 | 20.31 | 107.40 | 25.31 |
| | | | | SISO CHAIN B | 19.75 | 19.75 | 94.41 | 24.75 |
| | | | | MIMO CHAIN A | 18.56 | 18.56 | 71.78 | 23.56 |
| | | | | MIMO CHAIN B | 18.52 | 18.52 | 71.12 | 23.52 |
| | | | | Combined A+B | 21.55 | 21.55 | 142.90 | 26.55 |
| 802.11ac160 | VHT0 | 114 | 5570 | SISO CHAIN A | 14.62 | 14.62 | 28.97 | 19.62 |
| | | | | SISO CHAIN B | 14.91 | 14.91 | 30.97 | 19.91 |
| | | | | MIMO CHAIN A | 12.08 | 12.08 | 16.14 | 17.08 |
| | | | | MIMO CHAIN B | 12.36 | 12.36 | 17.22 | 17.36 |
| | | | | Combined A+B | 15.23 | 15.23 | 33.36 | 20.23 |

Max Value

Min Value

| Mode | Rate | Channel | Freq. [MHz] | Antenna | Average Cond. Output Power [dBm] | Max.* Cond. Output Power [dBm] | Max.* Cond. Output Power [mW] | Max. EIRP [dBm] | | |
|--------------|-------|------------|-------------|--------------|----------------------------------|--------------------------------|-------------------------------|-----------------|--------|-------|
| 802.11ax20 | HE0 | 100 | 5500 | SISO CHAIN A | 17.54 | 17.54 | 56.75 | 22.54 | | |
| | | | | SISO CHAIN B | 17.72 | 17.72 | 59.16 | 22.72 | | |
| | | 120 | 5600 | SISO CHAIN A | 21.22 | 21.22 | 132.43 | 26.22 | | |
| | | | | SISO CHAIN B | 21.04 | 21.04 | 127.06 | 26.04 | | |
| | | 140 | 5700 | SISO CHAIN A | 17.66 | 17.66 | 58.34 | 22.66 | | |
| | | | | SISO CHAIN B | 17.76 | 17.76 | 59.70 | 22.76 | | |
| | | 100 | 5500 | MIMO CHAIN A | 14.12 | 14.12 | 25.82 | 19.12 | | |
| | | | | MIMO CHAIN B | 14.10 | 14.10 | 25.70 | 19.10 | | |
| | | | | Combined A+B | 17.12 | 17.12 | 51.53 | 22.12 | | |
| | | 120 | 5600 | MIMO CHAIN A | 18.38 | 18.38 | 68.87 | 23.38 | | |
| | | | | MIMO CHAIN B | 18.32 | 18.32 | 67.92 | 23.32 | | |
| | | | | Combined A+B | 21.36 | 21.36 | 136.79 | 26.36 | | |
| | | 140 | 5700 | MIMO CHAIN A | 14.19 | 14.19 | 26.24 | 19.19 | | |
| | | | | MIMO CHAIN B | 14.17 | 14.17 | 26.12 | 19.17 | | |
| | | | | Combined A+B | 17.19 | 17.19 | 52.36 | 22.19 | | |
| | | 802.11ax40 | HE0 | 102F | 5510 | SISO CHAIN A | 17.43 | 17.43 | 55.34 | 22.43 |
| | | | | | | SISO CHAIN B | 17.85 | 17.85 | 60.95 | 22.85 |
| | | | | 118F | 5590 | SISO CHAIN A | 20.26 | 20.26 | 106.17 | 25.26 |
| SISO CHAIN B | 20.37 | | | | | 20.37 | 108.89 | 25.37 | | |
| 134F | 5670 | | | SISO CHAIN A | 19.16 | 19.16 | 82.41 | 24.16 | | |
| | | | | SISO CHAIN B | 19.39 | 19.39 | 86.90 | 24.39 | | |
| 102F | 5510 | | | MIMO CHAIN A | 13.97 | 13.97 | 24.95 | 18.97 | | |
| | | | | MIMO CHAIN B | 14.19 | 14.19 | 26.24 | 19.19 | | |
| | | | | Combined A+B | 17.09 | 17.09 | 51.19 | 22.09 | | |
| 118F | 5590 | | | MIMO CHAIN A | 17.81 | 17.81 | 60.39 | 22.81 | | |
| | | | | MIMO CHAIN B | 17.94 | 17.94 | 62.23 | 22.94 | | |
| | | | | Combined A+B | 20.89 | 20.89 | 122.62 | 25.89 | | |
| 134F | 5670 | | | MIMO CHAIN A | 17.08 | 17.08 | 51.05 | 22.08 | | |
| | | | | MIMO CHAIN B | 17.06 | 17.06 | 50.82 | 22.06 | | |
| | | | | Combined A+B | 20.08 | 20.08 | 101.87 | 25.08 | | |

Max Value
Min Value

| Mode | Rate | Channel | Freq. [MHz] | Antenna | Average Cond. Output Power [dBm] | Max.* Cond. Output Power [dBm] | Max.* Cond. Output Power [mW] | Max.* EIRP [dBm] |
|-------------|------|---------|-------------|--------------|----------------------------------|--------------------------------|-------------------------------|------------------|
| 802.11ax80 | HEO | 106 | 5530 | SISO CHAIN A | 17.78 | 17.78 | 59.98 | 22.78 |
| | | | | SISO CHAIN B | 17.71 | 17.71 | 59.02 | 22.71 |
| | | | | MIMO CHAIN A | 14.82 | 14.82 | 30.34 | 19.82 |
| | | | | MIMO CHAIN B | 15.02 | 15.02 | 31.77 | 20.02 |
| | | | | Combined A+B | 17.93 | 17.93 | 62.11 | 22.93 |
| | | 122 | 5610 | SISO CHAIN A | 19.54 | 19.54 | 89.95 | 24.54 |
| | | | | SISO CHAIN B | 19.51 | 19.51 | 89.33 | 24.51 |
| | | | | MIMO CHAIN A | 18.50 | 18.50 | 70.79 | 23.50 |
| | | | | MIMO CHAIN B | 18.51 | 18.51 | 70.96 | 23.51 |
| | | | | Combined A+B | 21.52 | 21.52 | 141.75 | 26.52 |
| 802.11ax160 | | 114 | 5570 | SISO CHAIN A | 14.68 | 14.68 | 29.38 | 19.68 |
| | | | | SISO CHAIN B | 14.64 | 14.64 | 29.11 | 19.64 |
| | | | | MIMO CHAIN A | 11.99 | 11.99 | 15.81 | 16.99 |
| | | | | MIMO CHAIN B | 12.15 | 12.15 | 16.41 | 17.15 |
| | | | | Combined A+B | 15.08 | 15.08 | 32.22 | 20.08 |

Max Value

Min Value

| Mode | Rate | Antenna | Channel | Frequency [MHz] | RU Config. | Average Conducted Output Power [dBm] | Maximum* Conducted Output Power [dBm] | Maximum* Conducted Output Power [mW] | Max of EIRP [dBm] | | |
|--------------|--------|--------------|--------------|-----------------|------------|--------------------------------------|---------------------------------------|--------------------------------------|-------------------|-------|-------|
| 802.11ax20 | HE0 | SISO CHAIN A | 100 | 5500 | 26/0 | 13.69 | 13.69 | 23.39 | 18.69 | | |
| | | | | | 52/37 | 16.58 | 16.58 | 45.50 | 21.58 | | |
| | | | | | 106/53 | 19.66 | 19.66 | 92.47 | 24.66 | | |
| | | SISO CHAIN B | | | 26/0 | 13.77 | 13.77 | 23.82 | 18.77 | | |
| | | | | | 52/40 | 16.55 | 16.55 | 45.19 | 21.55 | | |
| | | | | | 106/53 | 19.71 | 19.71 | 93.54 | 24.71 | | |
| | | MIMO CHAIN A | | | 26/0 | 10.75 | 10.75 | 11.89 | 15.75 | | |
| | | | | | | MIMO CHAIN B | 10.68 | 10.68 | 11.69 | 15.68 | |
| | | | | | | | Combined A+B | 13.73 | 13.73 | 23.58 | 18.73 |
| | | MIMO CHAIN A | | | 52/37 | 13.62 | 13.62 | 23.01 | 18.62 | | |
| | | | | | | MIMO CHAIN B | 13.53 | 13.53 | 22.54 | 18.53 | |
| | | | | | | | Combined A+B | 16.59 | 16.59 | 45.56 | 21.59 |
| | | MIMO CHAIN A | | | 106/53 | 16.70 | 16.70 | 46.77 | 21.70 | | |
| | | | | | | MIMO CHAIN B | 16.67 | 16.67 | 46.45 | 21.67 | |
| | | | | | | | Combined A+B | 19.70 | 19.70 | 93.23 | 24.70 |
| | HE0 | 140 | SISO CHAIN A | 140 | 5700 | 26/8 | 13.79 | 13.79 | 23.93 | 18.79 | |
| | | | | | | 52/40 | 16.42 | 16.42 | 43.85 | 21.42 | |
| | | | | | | 106/54 | 19.61 | 19.61 | 91.41 | 24.61 | |
| | | | SISO CHAIN B | | | 26/8 | 13.67 | 13.67 | 23.28 | 18.67 | |
| | | | | | | 52/40 | 16.51 | 16.51 | 44.77 | 21.51 | |
| | | | | | | 106/54 | 19.70 | 19.70 | 93.33 | 24.70 | |
| | | | MIMO CHAIN A | | | 26/8 | 10.70 | 10.70 | 11.75 | 15.70 | |
| | | | | | | | MIMO CHAIN B | 10.61 | 10.61 | 11.51 | 15.61 |
| | | | | | | | | Combined A+B | 13.67 | 13.67 | 23.26 |
| | | | MIMO CHAIN A | | | 52/40 | 12.91 | 12.91 | 19.54 | 17.91 | |
| | | | | | | | MIMO CHAIN B | 12.87 | 12.87 | 19.36 | 17.87 |
| | | | | | | | | Combined A+B | 15.90 | 15.90 | 38.91 |
| MIMO CHAIN A | 106/54 | 16.70 | 16.70 | 46.77 | 21.70 | | | | | | |
| | | MIMO CHAIN B | 16.55 | 16.55 | 45.19 | 21.55 | | | | | |
| | | | Combined A+B | 19.64 | 19.64 | 91.96 | 24.64 | | | | |

* Maximum values are the duty cycle compensated values calculated from the average (measured) values

Max Value

Min Value

| Mode | Rate | Antenna | Channel | Frequency [MHz] | RU Configuration | Average Conducted Output Power [dBm] | Maximum* Conducted Output Power [dBm] | Maximum* Conducted Output Power [mW] | Max of EIRP [dBm] |
|-------------|------|--------------|---------|-----------------|------------------|--------------------------------------|---------------------------------------|--------------------------------------|-------------------|
| 802.11ax40 | HE0 | SISO CHAIN A | 102F | 5510 | 242/61 | 18.24 | 18.24 | 66.68 | 23.24 |
| | | SISO CHAIN B | | | | 18.63 | 18.63 | 72.95 | 23.63 |
| | | MIMO CHAIN B | | | | 14.11 | 14.11 | 25.76 | 19.11 |
| | | MIMO CHAIN A | | | | 14.36 | 14.36 | 27.29 | 19.36 |
| | | Combined A+B | | | | 17.25 | 17.25 | 53.05 | 22.25 |
| | HE0 | SISO CHAIN A | 134F | 5670 | 242/62 | 19.60 | 19.60 | 91.20 | 24.60 |
| | | SISO CHAIN B | | | | 19.80 | 19.80 | 95.50 | 24.80 |
| | | MIMO CHAIN B | | | | 16.25 | 16.25 | 42.17 | 21.25 |
| | | MIMO CHAIN A | | | | 16.40 | 16.40 | 43.65 | 21.40 |
| | | Combined A+B | | | | 19.34 | 19.34 | 85.82 | 24.34 |
| 802.11ax80 | HE0 | SISO CHAIN A | 122 | 5530 | 484/65 | 17.03 | 17.03 | 50.47 | 22.03 |
| | | SISO CHAIN B | | | | 17.34 | 17.34 | 54.20 | 22.34 |
| | | MIMO CHAIN A | | | | 14.19 | 14.19 | 26.24 | 19.19 |
| | | MIMO CHAIN B | | | | 14.16 | 14.16 | 26.06 | 19.16 |
| | | Combined A+B | | | | 17.19 | 17.19 | 52.30 | 22.19 |
| 802.11ax160 | HE0 | SISO CHAIN A | 114 | 5570 | 996/67 | 14.31 | 14.31 | 26.98 | 19.31 |
| | | SISO CHAIN B | | | | 14.33 | 14.33 | 27.10 | 19.33 |
| | | SISO CHAIN A | | | 996/S67 | 14.55 | 14.55 | 28.51 | 19.55 |
| | | SISO CHAIN B | | | | 14.25 | 14.25 | 26.61 | 19.25 |
| | HE0 | MIMO CHAIN A | | | 996/67 | 12.21 | 12.21 | 16.63 | 17.21 |
| | | MIMO CHAIN B | | | | 12.18 | 12.18 | 16.52 | 17.18 |
| | | Combined A+B | | | 15.21 | 15.21 | 33.15 | 20.21 | |
| | | MIMO CHAIN A | | | 996/S67 | 12.52 | 12.52 | 17.86 | 17.52 |
| | | MIMO CHAIN B | | | | 12.30 | 12.30 | 16.98 | 17.30 |
| | | Combined A+B | | | | 15.42 | 15.42 | 34.85 | 20.42 |

* Maximum values are the duty cycle compensated values calculated from the average (measured) values

Max Value

Min Value

Maximum output power – Overlapped channels between U-NII-2C and U-NII-3

| Mode | Rate | Channel | Freq. [MHz] | Antenna | Average Cond. Output Power - UNII-2C [dBm] | Max.* Cond. Output Power - UNII-2C [dBm] | Max.* Cond. Output Power - UNII-2C [mW] | Max.* EIRP UNII2C [dBm] |
|------------|--------------|---------|----------------|--------------|--|--|---|-------------------------|
| 802.11n20 | HT0 | 144 | 5720 | SISO CHAIN A | 19.33 | 19.39 | 86.87 | 24.39 |
| | | | | SISO CHAIN B | 19.30 | 19.36 | 86.27 | 24.36 |
| | HT8 | | | MIMO CHAIN A | 17.03 | 17.09 | 51.15 | 22.09 |
| | | | | MIMO CHAIN B | 17.03 | 17.09 | 51.15 | 22.09 |
| | Combined A+B | | | 20.04 | 20.10 | 102.31 | 25.10 | |
| 802.11n40 | HT0 | 142F | 5710 | SISO CHAIN A | 20.08 | 20.14 | 103.16 | 25.14 |
| | | | | SISO CHAIN B | 20.31 | 20.37 | 108.77 | 25.37 |
| | HT8 | | | MIMO CHAIN A | 18.13 | 18.19 | 65.85 | 23.19 |
| | | | | MIMO CHAIN B | 18.19 | 18.25 | 66.77 | 23.25 |
| | Combined A+B | | | 21.17 | 21.23 | 132.62 | 26.23 | |
| 802.11ac80 | VHT0 | 138 | 5690 | SISO CHAIN A | 20.34 | 20.74 | 118.53 | 25.74 |
| | | | | SISO CHAIN B | 20.83 | 20.89 | 122.70 | 25.89 |
| | | | | MIMO CHAIN A | 18.62 | 18.68 | 73.81 | 23.68 |
| | | | | MIMO CHAIN B | 18.70 | 18.76 | 75.18 | 23.76 |
| | | | | Combined A+B | 21.67 | 21.73 | 148.99 | 26.73 |
| 802.11ax20 | HE0 | 144 | 5720 | SISO CHAIN A | 19.50 | 19.56 | 90.33 | 24.56 |
| | | | | SISO CHAIN B | 19.52 | 19.58 | 90.75 | 24.58 |
| | | | | MIMO CHAIN A | 16.98 | 17.04 | 50.56 | 22.04 |
| | | | | MIMO CHAIN B | 17.12 | 17.18 | 52.18 | 22.18 |
| | | | | Combined A+B | 20.06 | 20.12 | 102.74 | 25.12 |
| 802.11ax40 | HE0 | 142F | 5710 | SISO CHAIN A | 20.33 | 20.38 | 109.13 | 25.38 |
| | | | | SISO CHAIN B | 20.43 | 20.49 | 111.83 | 25.49 |
| | | | | MIMO CHAIN A | 17.89 | 17.95 | 62.31 | 22.95 |
| | | | | MIMO CHAIN B | 17.80 | 17.86 | 61.07 | 22.86 |
| | | | | Combined A+B | 20.86 | 20.91 | 123.38 | 25.91 |
| 802.11ax80 | HE0 | 138 | 5690 | SISO CHAIN A | 20.67 | 20.73 | 118.27 | 25.73 |
| | | | | SISO CHAIN B | 20.83 | 20.89 | 122.69 | 25.89 |
| | | | | MIMO CHAIN A | 18.24 | 18.30 | 67.58 | 23.30 |
| | | | | MIMO CHAIN B | 18.44 | 18.50 | 70.77 | 23.50 |
| | | | | Combined A+B | 21.35 | 21.41 | 138.35 | 26.41 |

* Maximum values are the duty cycle compensated values calculated from the measured average values

Max Value

Min Value

Maximum Power Spectral Density (PSD) – U-NII-2C channels

| Mode | Rate | Channel | Freq. [MHz] | Antenna | Average conducted PSD [dBm/MHz] | Maximum* conducted PSD [dBm/MHz] |
|-----------|-------|---------|-------------|--------------|---------------------------------|----------------------------------|
| 802.11a | 6Mbps | 100 | 5500 | SISO CHAIN A | 5.65 | 5.76 |
| | | | | SISO CHAIN B | 5.90 | 6.01 |
| | | 120 | 5600 | SISO CHAIN A | 9.18 | 9.29 |
| | | | | SISO CHAIN B | 9.28 | 9.39 |
| | | 140 | 5700 | SISO CHAIN A | 6.14 | 6.25 |
| | | | | SISO CHAIN B | 6.24 | 6.35 |
| 802.11n20 | HT0 | 100 | 5500 | SISO CHAIN A | 5.36 | 5.36 |
| | | | | SISO CHAIN B | 5.63 | 5.63 |
| | | 120 | 5600 | SISO CHAIN A | 9.16 | 9.16 |
| | | | | SISO CHAIN B | 9.00 | 9.00 |
| | | 140 | 5700 | SISO CHAIN A | 5.81 | 5.81 |
| | | | | SISO CHAIN B | 5.93 | 5.93 |
| | HT8 | 100 | 5500 | MIMO CHAIN A | 2.07 | 2.07 |
| | | | | MIMO CHAIN B | 1.99 | 1.99 |
| | | | | Combined A+B | 5.04 | 5.04 |
| | | 120 | 5600 | MIMO CHAIN A | 6.29 | 6.29 |
| | | | | MIMO CHAIN B | 6.19 | 6.19 |
| | | | | Combined A+B | 9.25 | 9.25 |
| | | 140 | 5700 | MIMO CHAIN A | 2.34 | 2.34 |
| | | | | MIMO CHAIN B | 2.31 | 2.31 |
| | | | | Combined A+B | 5.34 | 5.34 |

| Mode | Rate | Channel | Freq. [MHz] | Antenna | Average Conducted. PSD [dBm/MHz] | Max.* Conducted. PSD [dBm/MHz] |
|--------------|------|---------|-------------|--------------|----------------------------------|--------------------------------|
| 802.11n40 | HT0 | 102F | 5510 | SISO CHAIN A | 2.42 | 2.42 |
| | | | | SISO CHAIN B | 2.69 | 2.69 |
| | | 118F | 5590 | SISO CHAIN A | 5.23 | 5.23 |
| | | | | SISO CHAIN B | 5.13 | 5.13 |
| | | 134F | 5670 | SISO CHAIN A | 4.10 | 4.10 |
| | | | | SISO CHAIN B | 3.98 | 3.98 |
| | HT8 | 102F | 5510 | MIMO CHAIN A | -1.04 | -1.04 |
| | | | | MIMO CHAIN B | -0.94 | -0.94 |
| | | | | Combined A+B | 2.02 | 2.02 |
| | | 118F | 5590 | MIMO CHAIN A | 2.70 | 2.70 |
| | | | | MIMO CHAIN B | 2.99 | 2.99 |
| | | | | Combined A+B | 5.86 | 5.86 |
| | | 134F | 5670 | MIMO CHAIN A | 2.05 | 2.05 |
| | | | | MIMO CHAIN B | 1.95 | 1.95 |
| Combined A+B | 5.01 | 5.01 | | | | |
| 802.11ac80 | VHT0 | 106 | 5530 | SISO CHAIN A | 0.27 | 0.27 |
| | | | | SISO CHAIN B | 0.44 | 0.44 |
| | | | | MIMO CHAIN A | -2.62 | -2.62 |
| | | | | MIMO CHAIN B | -2.45 | -2.45 |
| | | | | Combined A+B | 0.48 | 0.48 |
| | | 122 | 5610 | SISO CHAIN A | 2.78 | 2.78 |
| | | | | SISO CHAIN B | 2.21 | 2.21 |
| | | | | MIMO CHAIN A | 1.02 | 1.02 |
| | | | | MIMO CHAIN B | 1.01 | 1.01 |
| | | | | Combined A+B | 4.03 | 4.67 |
| 802.11ac160 | VHT0 | 114 | 5570 | SISO CHAIN A | -5.73 | -5.73 |
| | | | | SISO CHAIN B | -5.48 | -5.48 |
| | | | | MIMO CHAIN A | -8.21 | -8.21 |
| | | | | MIMO CHAIN B | -7.95 | -7.95 |
| | | | | Combined A+B | -5.07 | -5.07 |

| Mode | Rate | Channel | Freq. [MHz] | Antenna | Average conducted PSD [dBm/MHz] | Maximum* conducted PSD [dBm/MHz] |
|------------|------|---------|-------------|--------------|---------------------------------|----------------------------------|
| 802.11ax20 | HE0 | 100 | 5500 | SISO CHAIN A | 5.27 | 5.27 |
| | | | | SISO CHAIN B | 5.41 | 5.41 |
| | | 120 | 5600 | SISO CHAIN A | 8.89 | 8.89 |
| | | | | SISO CHAIN B | 8.72 | 8.72 |
| | | 140 | 5700 | SISO CHAIN A | 5.36 | 5.36 |
| | | | | SISO CHAIN B | 5.44 | 5.44 |
| | | 100 | 5500 | MIMO CHAIN A | 1.87 | 1.87 |
| | | | | MIMO CHAIN B | 1.80 | 1.80 |
| | | | | Combined A+B | 4.85 | 4.85 |
| | | 120 | 5600 | MIMO CHAIN A | 6.06 | 6.06 |
| | | | | MIMO CHAIN B | 6.00 | 6.00 |
| | | | | Combined A+B | 9.04 | 9.04 |
| | | 140 | 5700 | MIMO CHAIN A | 1.89 | 1.89 |
| | | | | MIMO CHAIN B | 1.90 | 1.90 |
| | | | | Combined A+B | 4.91 | 4.91 |

| Mode | Rate | Channel | Freq. [MHz] | Antenna | Average Conducted. PSD [dBm/MHz] | Max.* Conducted. PSD [dBm/MHz] |
|-------------|------|---------|-------------|--------------|----------------------------------|--------------------------------|
| 802.11ax40 | HE0 | 102F | 5510 | SISO CHAIN A | 2.10 | 2.10 |
| | | | | SISO CHAIN B | 2.51 | 2.51 |
| | | 118F | 5590 | SISO CHAIN A | 4.98 | 4.98 |
| | | | | SISO CHAIN B | 5.06 | 5.06 |
| | | 134F | 5670 | SISO CHAIN A | 3.87 | 3.87 |
| | | | | SISO CHAIN B | 4.07 | 4.07 |
| | | 102F | 5510 | MIMO CHAIN A | -1.35 | -1.35 |
| | | | | MIMO CHAIN B | -1.07 | -1.07 |
| | | | | Combined A+B | 1.80 | 1.80 |
| | | 118F | 5590 | MIMO CHAIN A | 2.50 | 2.50 |
| | | | | MIMO CHAIN B | 2.63 | 2.63 |
| | | | | Combined A+B | 5.58 | 5.58 |
| | | 134F | 5670 | MIMO CHAIN A | 1.83 | 1.83 |
| | | | | MIMO CHAIN B | 1.74 | 1.74 |
| | | | | Combined A+B | 4.80 | 4.80 |
| 802.11ax80 | HE0 | 106 | 5530 | SISO CHAIN A | 0.18 | 0.18 |
| | | | | SISO CHAIN B | 0.07 | 0.07 |
| | | | | MIMO CHAIN A | -2.74 | -2.74 |
| | | | | MIMO CHAIN B | -2.60 | -2.60 |
| | | | | Combined A+B | 0.34 | 0.34 |
| | | 122 | 5610 | SISO CHAIN A | 1.90 | 1.90 |
| | | | | SISO CHAIN B | 1.87 | 1.87 |
| | | | | MIMO CHAIN A | 0.87 | 0.87 |
| | | | | MIMO CHAIN B | 0.90 | 0.90 |
| | | | | Combined A+B | 3.90 | 4.41 |
| 802.11ax160 | HE0 | 114 | 5570 | SISO CHAIN A | -5.76 | -5.76 |
| | | | | SISO CHAIN B | -5.87 | -5.87 |
| | | | | MIMO CHAIN A | -8.36 | -8.36 |
| | | | | MIMO CHAIN B | -8.32 | -8.32 |
| | | | | Combined A+B | -5.33 | -5.33 |

* Maximum values are the duty cycle compensated values calculated from the average (measured) values

| Mode | Rate | Antenna | Channel | Frequency [MHz] | RU Configuration | Average conducted PSD [dBm/MHz] | Maximum* conducted PSD [dBm/MHz] |
|------------|------|--------------|---------|-----------------|------------------|---------------------------------|----------------------------------|
| 802.11ax20 | HE0 | SISO CHAIN A | 100 | 5500 | 26/0 | 10.76 | 10.76 |
| | | | | | 52/37 | 10.83 | 10.83 |
| | | | | | 106/53 | 10.80 | 10.80 |
| | | SISO CHAIN B | | | 26/0 | 10.96 | 10.96 |
| | | | | | 52/37 | 10.92 | 10.92 |
| | | | | | 106/53 | 10.84 | 10.84 |
| | | MIMO CHAIN A | | | 26/0 | 7.93 | 7.93 |
| | | MIMO CHAIN B | | | | 7.84 | 7.84 |
| | | Combined A+B | | | | 10.90 | 10.90 |
| | | MIMO CHAIN A | | | 53/37 | 7.91 | 7.91 |
| | | MIMO CHAIN B | | | | 7.78 | 7.78 |
| | | Combined A+B | | | | 10.86 | 10.86 |
| | | MIMO CHAIN A | | | 106/53 | 7.84 | 7.84 |
| | | MIMO CHAIN B | | | | 7.87 | 7.87 |
| | | Combined A+B | | | | 10.87 | 10.87 |
| 802.11ax20 | HE0 | SISO CHAIN A | 140 | 5700 | 26/8 | 10.89 | 10.89 |
| | | | | | 52/40 | 10.67 | 10.67 |
| | | | | | 106/54 | 10.78 | 10.78 |
| | | SISO CHAIN B | | | 26/8 | 10.87 | 10.87 |
| | | | | | 52/40 | 10.77 | 10.77 |
| | | | | | 106/54 | 10.78 | 10.78 |
| | | MIMO CHAIN A | | | 26/8 | 7.76 | 7.76 |
| | | MIMO CHAIN B | | | | 7.80 | 7.80 |
| | | Combined A+B | | | | 10.79 | 10.79 |
| | | MIMO CHAIN A | | | 54/40 | 7.13 | 7.13 |
| | | MIMO CHAIN B | | | | 7.09 | 7.09 |
| | | Combined A+B | | | | 10.12 | 10.12 |
| | | MIMO CHAIN A | | | 106/54 | 7.88 | 7.88 |
| | | MIMO CHAIN B | | | | 7.73 | 7.73 |
| | | Combined A+B | | | | 10.82 | 10.82 |

* Maximum values are the duty cycle compensated values calculated from the average (measured) values

| Mode | Rate | Antenna | Channel | Frequency [MHz] | RU Configuration | Average conducted PSD [dBm/MHz] | Maximum* conducted PSD [dBm/MHz] |
|-------------|------|--------------|---------|-----------------|------------------|---------------------------------|----------------------------------|
| 802.11ax40 | HE0 | SISO CHAIN A | 102F | 5510 | 242/61 | 5.87 | 5.87 |
| | | SISO CHAIN B | | | | 6.24 | 6.24 |
| | | MIMO CHAIN B | | | | 1.84 | 1.84 |
| | | MIMO CHAIN A | | | | 2.03 | 2.03 |
| | | Combined A+B | | | | 4.95 | 4.95 |
| | | SISO CHAIN A | 134F | 5670 | 242/62 | 7.18 | 7.18 |
| | | SISO CHAIN B | | | | 7.43 | 7.43 |
| | | MIMO CHAIN B | | | | 3.87 | 3.87 |
| | | MIMO CHAIN A | | | | 4.03 | 4.03 |
| | | Combined A+B | | | | 6.96 | 6.96 |
| 802.11ax80 | HE0 | SISO CHAIN A | 106 | 5530 | 484/65 | 1.79 | 1.79 |
| | | SISO CHAIN B | | | | 2.05 | 2.05 |
| | | MIMO CHAIN B | | | | -1.05 | -1.05 |
| | | MIMO CHAIN A | | | | -1.21 | -1.21 |
| | | Combined A+B | | | | 1.88 | 1.88 |
| 802.11ax160 | HE0 | SISO CHAIN A | 114 | 5570 | 996/67 | -3.17 | -3.17 |
| | | SISO CHAIN B | | | | -3.18 | -3.18 |
| | | SISO CHAIN A | | | 996/S67 | -2.97 | -2.97 |
| | | SISO CHAIN B | | | | -3.19 | -3.19 |
| | HE0 | MIMO CHAIN A | | | 996/67 | -5.28 | -5.28 |
| | | MIMO CHAIN B | | | | -5.30 | -5.30 |
| | | Combined A+B | | | | -2.28 | -2.28 |
| | | MIMO CHAIN A | | | 996/S67 | -4.98 | -4.98 |
| | | MIMO CHAIN B | | | | -5.15 | -5.15 |
| | | Combined A+B | | | | -2.05 | -2.05 |

* Maximum values are the duty cycle compensated values calculated from the average (measured) values

Maximum Power Spectral Density (PSD) – Overlapped channels between U-NII-2C and U-NII-3

| Mode | Rate | Channel | Freq. [MHz] | Antenna | Average conducted PSD UNII-2C [dBm/MHz] | Maximum* conducted PSD UNII-2C [dBm/MHz] |
|------------|------|---------|----------------|--------------|---|--|
| 802.11n20 | HT0 | 144 | 5720 | SISO CHAIN A | 8.32 | 8.38 |
| | | | | SISO CHAIN B | 8.28 | 8.34 |
| | HT8 | | | MIMO CHAIN A | 6.03 | 6.09 |
| | | | | MIMO CHAIN B | 6.03 | 6.09 |
| | | | | Combined A+B | 9.04 | 9.10 |
| 802.11n40 | HT0 | 142F | 5710 | SISO CHAIN A | 5.38 | 5.44 |
| | | | | SISO CHAIN B | 5.59 | 5.65 |
| | HT8 | | | MIMO CHAIN A | 3.51 | 3.57 |
| | | | | MIMO CHAIN B | 3.48 | 3.54 |
| | | | | Combined A+B | 6.51 | 6.56 |
| 802.11ac80 | VHT0 | 138 | 5690 | SISO CHAIN A | 3.21 | 3.27 |
| | | | | SISO CHAIN B | 3.35 | 3.41 |
| | | | | MIMO CHAIN A | 1.09 | 1.15 |
| | | | | MIMO CHAIN B | 1.20 | 1.26 |
| | | | | Combined A+B | 4.16 | 4.22 |
| 802.11ax20 | HE0 | 144 | 5720 | SISO CHAIN A | 8.26 | 8.32 |
| | | | | SISO CHAIN B | 8.29 | 8.35 |
| | | | | MIMO CHAIN A | 5.83 | 5.89 |
| | | | | MIMO CHAIN B | 5.91 | 5.97 |
| | | | | Combined A+B | 8.88 | 8.94 |
| 802.11ax40 | HE0 | 142F | 5710 | SISO CHAIN A | 5.48 | 5.53 |
| | | | | SISO CHAIN B | 5.57 | 5.63 |
| | | | | MIMO CHAIN A | 3.01 | 3.07 |
| | | | | MIMO CHAIN B | 2.91 | 2.97 |
| | | | | Combined A+B | 5.97 | 6.03 |
| 802.11ax80 | HE0 | 138 | 5690 | SISO CHAIN A | 3.13 | 3.19 |
| | | | | SISO CHAIN B | 3.28 | 3.34 |
| | | | | MIMO CHAIN A | 0.69 | 0.75 |
| | | | | MIMO CHAIN B | 0.87 | 0.93 |
| | | | | Combined A+B | 3.79 | 3.85 |

* Maximum values are the duty cycle compensated values calculated from the average (measured) values

See Section 0 and B.3.4 for the screenshot results.

B.2.3 Undesirable emission limits : Band Edge (Conducted)

Test limits

| FCC part | RSS part | Limits | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|--|--------------------|---|--|--------------------|-------|-----|----|---|--------|-----|------|---|---------|-----|----|---|-----------|-----|----|---|
| 15.407 (b) (3) | RSS-247 Clause 6.2.3 (2) | For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz. | | | | | | | | | | | | | | | | | | | | |
| 15.209 | RSS-GEN, Clause 8.9 | <p>Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a):</p> <table border="1"> <thead> <tr> <th>Freq Range (MHz)</th> <th>Field Strength ($\mu\text{V}/\text{m}$)</th> <th>Field Strength ($\text{dB}\mu\text{V}/\text{m}$)</th> <th>Meas. Distance (m)</th> </tr> </thead> <tbody> <tr> <td>30-88</td> <td>100</td> <td>40</td> <td>3</td> </tr> <tr> <td>88-216</td> <td>150</td> <td>43.5</td> <td>3</td> </tr> <tr> <td>216-960</td> <td>200</td> <td>46</td> <td>3</td> </tr> <tr> <td>Above 960</td> <td>500</td> <td>54</td> <td>3</td> </tr> </tbody> </table> <p>The emission limits shown in the table above are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.</p> <p>For average radiated emission measurements above 1000 MHz, there is also a limit specified when measuring with peak detector function, corresponding to 20 dB above the indicated values in the table.</p> | Freq Range (MHz) | Field Strength ($\mu\text{V}/\text{m}$) | Field Strength ($\text{dB}\mu\text{V}/\text{m}$) | Meas. Distance (m) | 30-88 | 100 | 40 | 3 | 88-216 | 150 | 43.5 | 3 | 216-960 | 200 | 46 | 3 | Above 960 | 500 | 54 | 3 |
| Freq Range (MHz) | Field Strength ($\mu\text{V}/\text{m}$) | Field Strength ($\text{dB}\mu\text{V}/\text{m}$) | Meas. Distance (m) | | | | | | | | | | | | | | | | | | | |
| 30-88 | 100 | 40 | 3 | | | | | | | | | | | | | | | | | | | |
| 88-216 | 150 | 43.5 | 3 | | | | | | | | | | | | | | | | | | | |
| 216-960 | 200 | 46 | 3 | | | | | | | | | | | | | | | | | | | |
| Above 960 | 500 | 54 | 3 | | | | | | | | | | | | | | | | | | | |

Test procedure

The setup below was used to measure undesirable emissions on the Band Edge domain. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss and the declared Antenna Gain.

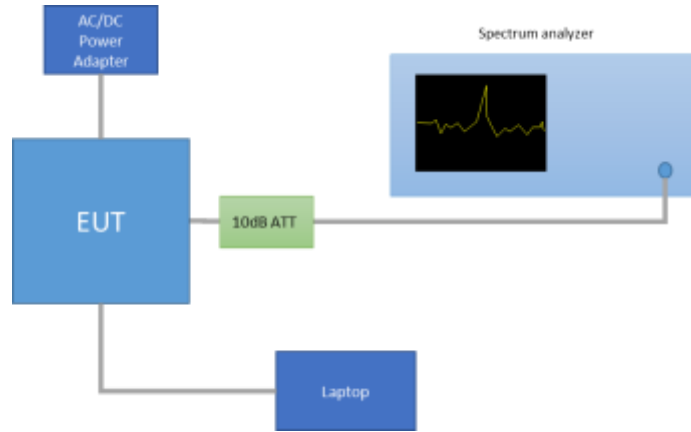
For Band Edge measurements in average mode on the low frequency section, one of the two methods is used according to section G) 6) (KDB 789033 D02):

- 1) Method AD (Average Detection) as per paragraph II.G.6.c.
- 2) Method VB (Averaging using reduced video bandwidth) as per paragraph II.G.6.d.

For the BE High, we use the integration method as defined in the band edge measurements section (paragraph II.G.3.d) of KDB 789033 D02.

In case of Band Edge measurements falling in restricted bands, the declared Antenna Gain is also compensated in the graph.

The declared maximum antenna gain is 5dBi.



The following limits in dBm were applied for the average detector after the conversion from the limits detailed above in dBµV/m, according to FCC 47 CFR part 15 - Subpart C – §15.209(a). The limits in dBm for peak detector are 20dB above the indicated values in the table.

| §15.209(a) | | | Converted values | |
|------------------|--------------|-----------------------------------|--------------------------------------|-------------|
| Freq Range (MHz) | Distance (m) | Field strength (microvolts/meter) | Field strength (dB microvolts/meter) | Power (dBm) |
| Above 960 | 3 | 500 | 53.98 | -41.25 |

See Section 0 for the screenshot results.

B.2.4 Radiated spurious emission

Standard references

| FCC part | RSS part | Limits | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--------------------------------|--|-------------------------|--------------------|-----------------------|-------------------------|--------------------|-------|--|-----|----|---|--------|--|-----|------|---|---------|--|-----|----|---|-----------|--|-----|----|---|
| 15.407 (b) (3) | RSS-247 Clause 6.2.3 (2) | For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15.209 | RSS-GEN, Clause 8.9 | <p>Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a):</p> <table border="1"> <thead> <tr> <th>Freq (MHz)</th> <th>Range</th> <th>Field Strength (μV/m)</th> <th>Field Strength (dBμV/m)</th> <th>Meas. Distance (m)</th> </tr> </thead> <tbody> <tr> <td>30-88</td> <td></td> <td>100</td> <td>40</td> <td>3</td> </tr> <tr> <td>88-216</td> <td></td> <td>150</td> <td>43.5</td> <td>3</td> </tr> <tr> <td>216-960</td> <td></td> <td>200</td> <td>46</td> <td>3</td> </tr> <tr> <td>Above 960</td> <td></td> <td>500</td> <td>54</td> <td>3</td> </tr> </tbody> </table> <p>The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.</p> <p>For average radiated emission measurements above 1000 MHz, there is also a limit specified when measuring with peak detector function, corresponding to 20 dB above the indicated values in the table.</p> | Freq (MHz) | Range | Field Strength (μV/m) | Field Strength (dBμV/m) | Meas. Distance (m) | 30-88 | | 100 | 40 | 3 | 88-216 | | 150 | 43.5 | 3 | 216-960 | | 200 | 46 | 3 | Above 960 | | 500 | 54 | 3 |
| Freq (MHz) | Range | Field Strength (μV/m) | Field Strength (dBμV/m) | Meas. Distance (m) | | | | | | | | | | | | | | | | | | | | | | | |
| 30-88 | | 100 | 40 | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 88-216 | | 150 | 43.5 | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 216-960 | | 200 | 46 | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| Above 960 | | 500 | 54 | 3 | | | | | | | | | | | | | | | | | | | | | | | |

Test procedure

The setup below was used to measure the radiated spurious emissions.

Depending of the frequency range and bands being tested, different antennas and filters were used.

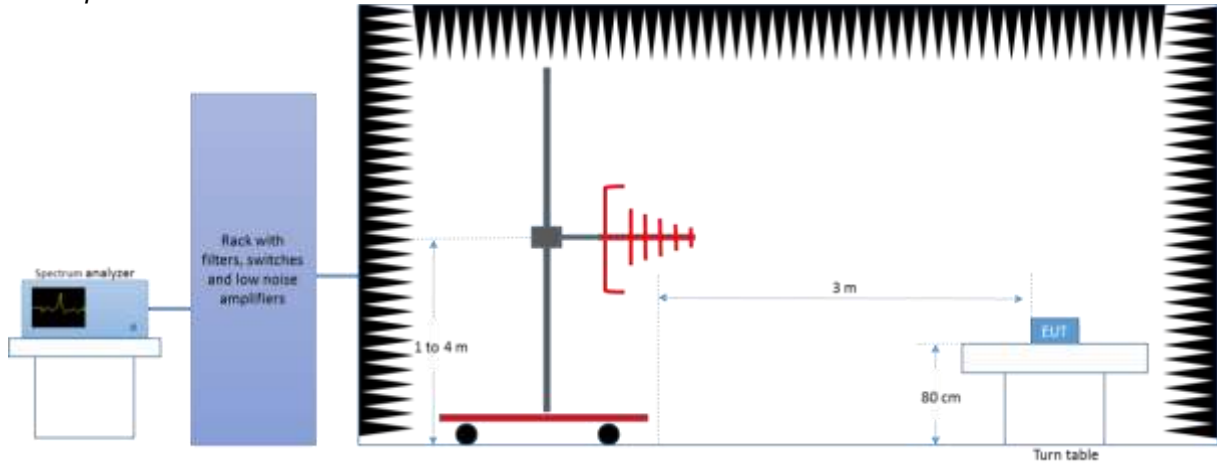
The final measurement is done by varying the antenna height, the EUT azimuth over 360° and for both Vertical and Horizontal polarizations.

The radiated spurious emission was measured on the worst case configuration selected from the chapter B.2.2 and using the low, middle and high channel.

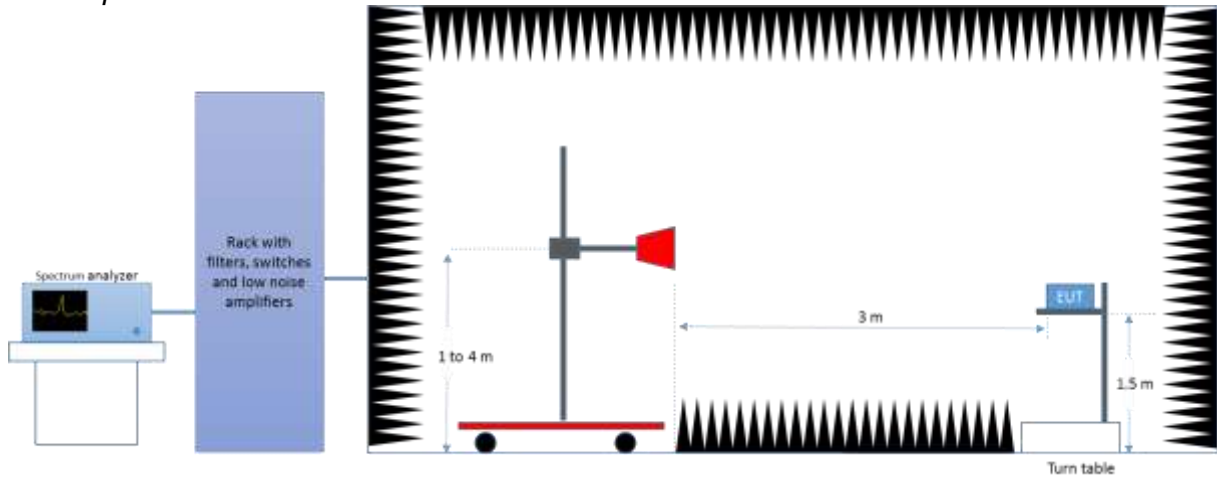
For technologies 802.11ax20, 802.11ax40, 802.11ax80 and 802.11ax160, the worst case spurious emission result among the low, mid and high channels tested separately on Chain A and B is used to perform the test on MIMO mode (Chain A+B).

For 802.11n20, 802.11n40, 802.11ac80 and 802.11ac160 the worst channel found among all 802.11ax modes mentioned above is chosen to perform the test in Chain A, B ,and MIMO (Chain A+B).

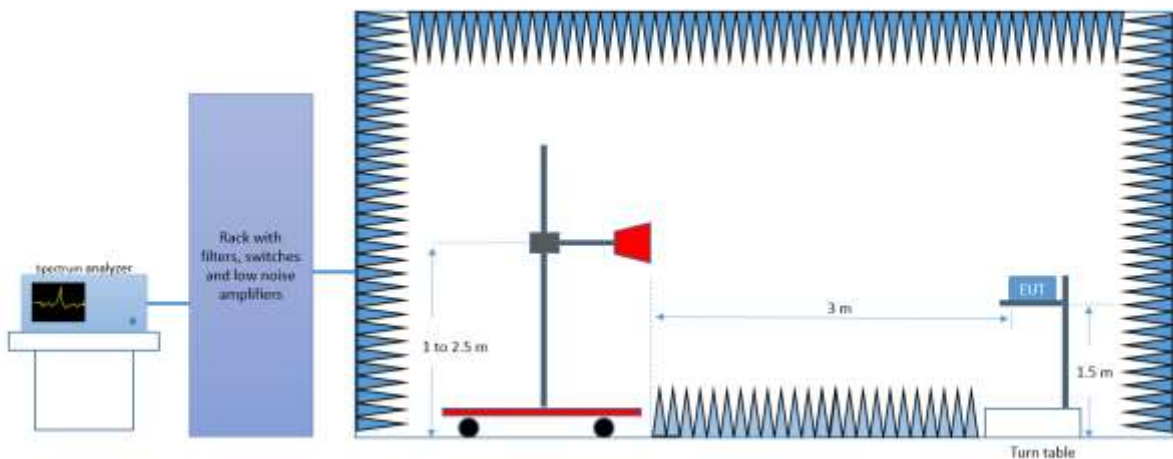
Radiated Setup 30 MHz - 1GHz

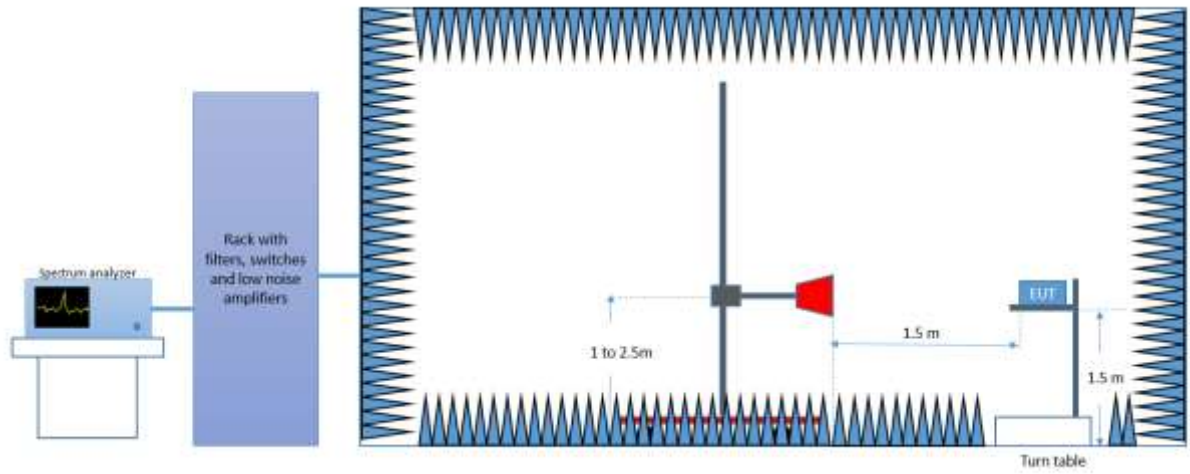


Radiated Setup 1 GHz – 6.4 GHz



Radiated Setup 6.4 GHz - 18 GHz





Test Results

30 MHz – 40 GHz, 802.11a, 6Mbps, Chain A
Radiated Spurious – CH100

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 128.7 | 30.2 | --- | 43.6 | 13.3 |
| 267.0 | 32.4 | --- | 46.0 | 13.6 |
| 672.0 | 35.6 | --- | 46.0 | 10.4 |
| 6017.0 | 52.8 | --- | 74.0 | 21.2 |
| 6019.0 | --- | 41.5 | 54.0 | 12.5 |
| 11001.3 | 50.7 | --- | 74.0 | 23.3 |
| 11002.3 | --- | 41.4 | 54.0 | 12.6 |
| 22000.0 | --- | 49.1 | 54.0 | 4.9 |
| 22000.0 | 48.4 | --- | 74.0 | 25.6 |

Radiated Spurious – CH120

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 126.9 | 30.4 | --- | 43.6 | 13.1 |
| 540.8 | 34.4 | --- | 46.0 | 11.6 |
| 6130.5 | 54.0 | --- | 74.0 | 20.0 |
| 6194.0 | --- | 42.3 | 54.0 | 11.7 |
| 11199.5 | 52.6 | --- | 74.0 | 21.4 |
| 11201.4 | --- | 40.9 | 54.0 | 13.1 |
| 22400.1 | --- | 48.9 | 54.0 | 5.1 |
| 22400.1 | 49.0 | --- | 74.0 | 25.0 |

Radiated Spurious – CH140

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|------------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 128.1 | 31.6 | --- | 43.6 | 12.0 |
| 549.1 | 34.7 | --- | 46.0 | 11.3 |
| 6253.0 | 53.7 | --- | 74.0 | 20.3 |
| 6306.5 | --- | 43.0 | 54.0 | 11.0 |
| 11399.6 | --- | 40.2 | 54.0 | 13.8 |
| 11400.1 | 51.6 | --- | 74.0 | 22.4 |
| 22799.8 | 51.0 | --- | 74.0 | 23.0 |
| 22800.1 | --- | 50.7 | 54.0 | 3.3 |

30 MHz – 40 GHz, 802.11a, 6Mbps, Chain B

Radiated Spurious – CH100

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 128.2 | 31.5 | --- | 43.6 | 12.1 |
| 730.7 | 38.2 | --- | 46.0 | 7.8 |
| 6261.0 | 54.6 | --- | 74.0 | 19.5 |
| 6321.5 | --- | 43.4 | 54.0 | 10.6 |
| 16737.5 | --- | 41.0 | 54.0 | 13.0 |
| 16748.7 | 52.4 | --- | 74.0 | 21.6 |
| 22000.0 | --- | 48.9 | 54.0 | 5.1 |
| 22000.3 | 48.1 | --- | 74.0 | 25.9 |

Radiated Spurious – CH120

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 128.1 | 30.9 | --- | 43.6 | 12.6 |
| 252.8 | 33.3 | --- | 46.0 | 12.7 |
| 672.0 | 35.2 | --- | 46.0 | 10.8 |
| 6255.0 | 54.4 | --- | 74.0 | 19.6 |
| 6281.5 | --- | 42.4 | 54.0 | 11.7 |
| 16740.4 | 53.0 | --- | 74.0 | 21.0 |
| 16753.5 | --- | 41.4 | 54.0 | 12.6 |
| 22400.1 | --- | 48.9 | 54.0 | 5.1 |
| 22400.3 | 48.4 | --- | 74.0 | 25.6 |

Radiated Spurious – CH140

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 128.1 | 30.9 | --- | 43.6 | 12.6 |
| 311.9 | 32.7 | --- | 46.0 | 13.3 |
| 6319.0 | --- | 43.2 | 54.0 | 10.8 |
| 6321.0 | 55.6 | --- | 74.0 | 18.4 |
| 16683.9 | 53.1 | --- | 74.0 | 20.9 |
| 16753.5 | --- | 41.3 | 54.0 | 12.7 |
| 22799.8 | --- | 47.8 | 54.0 | 6.2 |
| 22799.8 | 50.4 | --- | 74.0 | 23.6 |

30 MHz – 40 GHz, 802.11n20, HT0, Chain A
Radiated Spurious – CH120

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 128.1 | 32.1 | --- | 43.6 | 11.5 |
| 624.0 | 34.7 | --- | 46.0 | 11.4 |
| 6308.5 | 55.1 | --- | 74.0 | 18.9 |
| 6319.0 | --- | 43.1 | 54.0 | 10.9 |
| 11200.5 | 51.5 | --- | 74.0 | 22.5 |
| 11201.9 | --- | 41.0 | 54.0 | 13.0 |
| 22399.8 | 48.0 | --- | 74.0 | 26.0 |
| 22400.1 | --- | 49.0 | 54.0 | 5.0 |

Radiated Spurious – CH140

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 672.1 | 34.7 | --- | 46.0 | 11.3 |
| 6322.0 | 56.6 | --- | 74.0 | 17.4 |
| 6324.0 | --- | 43.8 | 54.0 | 10.2 |
| 11400.1 | --- | 39.7 | 54.0 | 14.3 |
| 11400.1 | 49.2 | --- | 74.0 | 24.8 |
| 17097.1 | 49.8 | --- | 74.0 | 24.2 |
| 17097.1 | --- | 40.5 | 54.0 | 13.5 |
| 22800.1 | --- | 49.4 | 54.0 | 4.6 |
| 22800.4 | 49.9 | --- | 74.0 | 24.1 |

30 MHz – 40 GHz, 802.11n20, HT0, Chain B

Radiated Spurious – CH120

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 128.6 | 31.0 | --- | 43.6 | 12.5 |
| 6271.0 | 55.4 | --- | 74.0 | 18.6 |
| 6319.5 | --- | 43.2 | 54.0 | 10.8 |
| 16727.4 | 52.9 | --- | 74.0 | 21.1 |
| 16733.7 | --- | 41.2 | 54.0 | 12.8 |
| 22400.1 | --- | 49.1 | 54.0 | 4.9 |
| 22400.1 | 49.0 | --- | 74.0 | 25.0 |

Radiated Spurious – CH140

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 672.0 | 33.0 | --- | 46.0 | 13.0 |
| 6325.5 | 56.8 | --- | 74.0 | 17.2 |
| 6326.5 | --- | 45.4 | 54.0 | 8.6 |
| 16348.9 | --- | 39.9 | 54.0 | 14.1 |
| 16418.1 | 51.5 | --- | 74.0 | 22.5 |
| 22800.1 | --- | 49.3 | 54.0 | 4.7 |
| 22800.4 | 49.8 | --- | 74.0 | 24.2 |

30 MHz – 40 GHz, 802.11n20, HT8, Chain A+B

Radiated Spurious – CH120

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 127.5 | 31.8 | --- | 43.6 | 11.8 |
| 672.0 | 35.4 | --- | 46.0 | 10.6 |
| 6302.5 | 55.9 | --- | 74.0 | 18.1 |
| 6317.5 | --- | 43.2 | 54.0 | 10.8 |
| 11200.0 | --- | 41.0 | 54.0 | 13.0 |
| 11200.5 | 51.3 | --- | 74.0 | 22.7 |
| 22400.1 | --- | 48.2 | 54.0 | 5.8 |
| 22400.1 | 48.2 | --- | 74.0 | 25.8 |

Radiated Spurious – CH140

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 837.7 | 36.6 | --- | 46.0 | 9.4 |
| 6326.0 | --- | 45.4 | 54.0 | 8.6 |
| 6326.5 | 57.2 | --- | 74.0 | 16.8 |
| 16748.2 | --- | 40.3 | 54.0 | 13.7 |
| 16755.9 | 51.8 | --- | 74.0 | 22.2 |
| 22799.8 | 49.2 | --- | 74.0 | 24.8 |
| 22800.1 | --- | 49.0 | 54.0 | 5.0 |

30 MHz – 40 GHz, 802.11ax20, HE0, Chain A
Radiated Spurious – CH100

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 128.2 | 31.0 | --- | 43.6 | 12.6 |
| 672.1 | 35.2 | --- | 46.0 | 10.8 |
| 6292.0 | 55.1 | --- | 74.0 | 18.9 |
| 6319.5 | --- | 43.2 | 54.0 | 10.8 |
| 10982.5 | --- | 45.5 | 54.0 | 8.5 |
| 10983.9 | 55.5 | --- | 74.0 | 18.5 |
| 21999.8 | --- | 46.3 | 54.0 | 7.7 |
| 22000.3 | 47.0 | --- | 74.0 | 27.0 |

Radiated Spurious – CH120

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 126.9 | 31.1 | --- | 43.6 | 12.5 |
| 672.0 | 35.5 | --- | 46.0 | 10.5 |
| 6299.5 | 55.7 | --- | 74.0 | 18.3 |
| 6318.0 | --- | 43.1 | 54.0 | 10.9 |
| 11183.1 | 55.4 | --- | 74.0 | 18.6 |
| 11183.1 | --- | 47.5 | 54.0 | 6.5 |
| 22400.1 | --- | 48.0 | 54.0 | 6.0 |
| 22400.1 | 48.3 | --- | 74.0 | 25.7 |

Radiated Spurious – CH140

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|------------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 49.4 | 33.3 | --- | 40.0 | 6.7 |
| 247.5 | 37.8 | --- | 46.0 | 8.2 |
| 5725.5 | 59.9 | --- | 74.0 | 14.1 |
| 5725.3 | --- | 49.3 | 54.0 | 4.7 |
| 11383.2 | --- | 44.8 | 54.0 | 9.2 |
| 11383.7 | 53.9 | --- | 74.0 | 20.1 |
| 22766.4 | --- | 40.0 | 54.0 | 14.0 |
| 22767.2 | 49.4 | --- | 74.0 | 24.6 |
| 22800.1 | 51.8 | --- | 74.0 | 22.3 |
| 22800.1 | --- | 50.4 | 54.0 | 3.6 |

30 MHz – 40 GHz, 802.11ax20, HE0, Chain B

Radiated Spurious – CH100

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 128.7 | 31.8 | --- | 43.6 | 11.7 |
| 549.1 | 34.4 | --- | 46.0 | 11.6 |
| 6297.5 | --- | 42.8 | 54.0 | 11.3 |
| 6320.0 | 55.6 | --- | 74.0 | 18.4 |
| 10983.0 | --- | 38.9 | 54.0 | 15.1 |
| 10983.5 | 48.2 | --- | 74.0 | 25.8 |
| 22000.0 | --- | 48.2 | 54.0 | 5.8 |
| 22000.3 | 48.5 | --- | 74.0 | 25.5 |

Radiated Spurious – CH120

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 121.6 | 29.3 | --- | 43.6 | 14.3 |
| 672.0 | 36.5 | --- | 46.0 | 9.5 |
| 6322.0 | --- | 43.3 | 54.0 | 10.7 |
| 6341.0 | 56.6 | --- | 74.0 | 17.4 |
| 16717.2 | 52.1 | --- | 74.0 | 21.9 |
| 16750.1 | --- | 41.3 | 54.0 | 12.7 |
| 22365.5 | 45.4 | --- | 74.0 | 28.6 |
| 22365.8 | --- | 37.0 | 54.0 | 17.0 |
| 22400.1 | --- | 49.3 | 54.0 | 4.7 |
| 22400.1 | 48.1 | --- | 74.0 | 25.9 |

Radiated Spurious – CH140

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 672.0 | 33.6 | --- | 46.0 | 12.4 |
| 5725.5 | 57.6 | --- | 74.0 | 16.4 |
| 5725.5 | --- | 47.5 | 54.0 | 6.5 |
| 16751.1 | --- | 41.0 | 54.0 | 13.0 |
| 16752.5 | 52.9 | --- | 74.0 | 21.1 |
| 22799.8 | 50.5 | --- | 74.0 | 23.5 |
| 22800.1 | --- | 49.6 | 54.0 | 4.4 |

30 MHz – 40 GHz, 802.11ax20, HE0, Chain A+B
Radiated Spurious – CH120

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 126.9 | 30.0 | --- | 43.6 | 13.5 |
| 732.0 | 37.3 | --- | 46.0 | 8.7 |
| 6303.5 | 56.4 | --- | 74.0 | 17.7 |
| 6313.0 | --- | 43.0 | 54.0 | 11.0 |
| 11183.1 | --- | 47.3 | 54.0 | 6.7 |
| 11184.0 | 55.4 | --- | 74.0 | 18.6 |
| 22400.1 | 47.5 | --- | 74.0 | 26.5 |
| 22400.1 | --- | 46.5 | 54.0 | 7.5 |

Radiated Spurious – CH140

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 672.0 | 33.3 | --- | 46.0 | 12.7 |
| 5725.5 | --- | 43.8 | 54.0 | 10.2 |
| 5725.5 | 55.2 | --- | 74.0 | 18.8 |
| 11382.7 | --- | 40.2 | 54.0 | 13.8 |
| 11384.1 | 49.7 | --- | 74.0 | 24.3 |
| 22800.1 | --- | 49.4 | 54.0 | 4.6 |
| 22800.1 | 49.9 | --- | 74.0 | 24.1 |

30 MHz – 40 GHz, 802.11n40, HT0, Chain A

Radiated Spurious – CH134F

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 126.4 | 30.1 | --- | 43.6 | 13.5 |
| 624.0 | 35.6 | --- | 46.0 | 10.4 |
| 6277.5 | 55.9 | --- | 74.0 | 18.1 |
| 6310.0 | --- | 43.8 | 54.0 | 10.2 |
| 16711.4 | 52.5 | --- | 74.0 | 21.5 |
| 16742.4 | --- | 41.4 | 54.0 | 12.6 |
| 22680.0 | --- | 49.6 | 54.0 | 4.4 |
| 22680.3 | 50.4 | --- | 74.0 | 23.6 |

30 MHz – 40 GHz, 802.11n40, HT0, Chain B

Radiated Spurious – CH134F

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|------------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 122.8 | 30.3 | --- | 43.6 | 13.3 |
| 624.0 | 34.5 | --- | 46.0 | 11.5 |
| 6301.0 | 56.1 | --- | 74.0 | 17.9 |
| 6320.5 | --- | 43.9 | 54.0 | 10.1 |
| 16697.4 | --- | 40.7 | 54.0 | 13.3 |
| 16739.5 | 52.9 | --- | 74.0 | 21.1 |
| 22680.0 | --- | 50.5 | 54.0 | 3.5 |
| 22680.3 | 49.5 | --- | 74.0 | 24.5 |

30 MHz – 26.5 GHz, 802.11n40, HT8, Chain A+B

Radiated Spurious – CH134F

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 244.7 | 34.1 | --- | 46.0 | 11.9 |
| 624.0 | 35.0 | --- | 46.0 | 11.0 |
| 6331.5 | 57.8 | --- | 74.0 | 16.2 |
| 6370.5 | --- | 44.9 | 54.0 | 9.2 |
| 16734.2 | --- | 41.3 | 54.0 | 12.7 |
| 16766.5 | 53.4 | --- | 74.0 | 20.6 |
| 22680.0 | 49.7 | --- | 74.0 | 24.4 |
| 22680.0 | --- | 50.0 | 54.0 | 4.0 |

30 MHz – 40 GHz, 802.11ax40, HE0, Chain A

Radiated Spurious – CH102F

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 126.9 | 30.1 | --- | 43.6 | 13.5 |
| 312.0 | 33.1 | --- | 46.0 | 12.9 |
| 1287.0 | --- | 37.7 | 54.0 | 16.3 |
| 1287.0 | 47.1 | --- | 74.0 | 26.9 |
| 10983.9 | 54.3 | --- | 74.0 | 19.7 |
| 10983.9 | --- | 45.4 | 54.0 | 8.6 |
| 22039.9 | 47.9 | --- | 74.0 | 26.1 |
| 22040.2 | --- | 47.9 | 54.0 | 6.1 |

Radiated Spurious – CH118F

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 288.0 | 34.8 | --- | 46.0 | 11.2 |
| 672.0 | 35.7 | --- | 46.0 | 10.3 |
| 1366.5 | --- | 35.9 | 54.0 | 18.1 |
| 1367.5 | 45.9 | --- | 74.0 | 28.1 |
| 11143.9 | --- | 46.3 | 54.0 | 7.7 |
| 11144.4 | 55.5 | --- | 74.0 | 18.5 |
| 22360.0 | --- | 49.1 | 54.0 | 4.9 |
| 22360.0 | 49.1 | --- | 74.0 | 24.9 |

Radiated Spurious – CH134F

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|------------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 126.9 | 30.6 | --- | 43.6 | 13.0 |
| 672.0 | 35.4 | --- | 46.0 | 10.6 |
| 6164.0 | --- | 42.3 | 54.0 | 11.7 |
| 6252.0 | 54.9 | --- | 74.0 | 19.1 |
| 11304.4 | --- | 41.8 | 54.0 | 12.2 |
| 11304.9 | 52.0 | --- | 74.0 | 22.0 |
| 16956.5 | --- | 44.4 | 54.0 | 9.6 |
| 16957.5 | 55.0 | --- | 74.0 | 19.0 |
| 22609.1 | --- | 37.5 | 54.0 | 16.5 |
| 22609.4 | 47.7 | --- | 74.0 | 26.3 |
| 22680.0 | 51.0 | --- | 74.0 | 23.0 |
| 22680.0 | --- | 50.4 | 54.0 | 3.6 |

30 MHz – 40 GHz, 802.11ax40, HE0, Chain B

Radiated Spurious – CH102F

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 126.9 | 30.3 | --- | 43.6 | 13.2 |
| 672.0 | 35.1 | --- | 46.0 | 10.9 |
| 1287.0 | 46.4 | --- | 74.0 | 27.6 |
| 1287.0 | --- | 37.2 | 54.0 | 16.8 |
| 16753.5 | --- | 41.9 | 54.0 | 12.1 |
| 16754.5 | 53.3 | --- | 74.0 | 20.7 |
| 22039.9 | --- | 46.5 | 54.0 | 7.5 |
| 22039.9 | 48.7 | --- | 74.0 | 25.3 |

Radiated Spurious – CH118F

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 128.2 | 32.6 | --- | 43.6 | 11.0 |
| 672.0 | 34.8 | --- | 46.0 | 11.2 |
| 1366.5 | --- | 35.7 | 54.0 | 18.3 |
| 1366.5 | 46.4 | --- | 74.0 | 27.6 |
| 11143.9 | --- | 39.7 | 54.0 | 14.3 |
| 11144.4 | 50.3 | --- | 74.0 | 23.7 |
| 22288.3 | --- | 48.4 | 54.0 | 5.6 |
| 22289.8 | 55.1 | --- | 74.0 | 18.9 |
| 22360.0 | 49.1 | --- | 74.0 | 24.9 |
| 22360.0 | --- | 46.3 | 54.0 | 7.7 |

Radiated Spurious – CH134F

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 128.7 | 31.2 | --- | 43.6 | 12.3 |
| 672.0 | 35.6 | --- | 46.0 | 10.4 |
| 6142.5 | 54.1 | --- | 74.0 | 19.9 |
| 6186.0 | --- | 42.3 | 54.0 | 11.7 |
| 11303.4 | 50.4 | --- | 74.0 | 23.6 |
| 11304.4 | --- | 39.5 | 54.0 | 14.5 |
| 22680.0 | 49.6 | --- | 74.0 | 24.4 |
| 22680.3 | --- | 49.4 | 54.0 | 4.6 |

30 MHz – 40 GHz, 802.11ax40, HE0, Chain A+B

Radiated Spurious – CH134F

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 128.1 | 33.1 | --- | 43.6 | 10.5 |
| 312.0 | 33.3 | --- | 46.0 | 12.7 |
| 6210.5 | 54.1 | --- | 74.0 | 19.9 |
| 6279.5 | --- | 42.2 | 54.0 | 11.8 |
| 11302.9 | 51.0 | --- | 74.0 | 23.0 |
| 11303.9 | --- | 41.0 | 54.0 | 13.0 |
| 16956.0 | --- | 43.6 | 54.0 | 10.4 |
| 16957.0 | 55.1 | --- | 74.0 | 18.9 |
| 22680.0 | --- | 49.9 | 54.0 | 4.1 |
| 22680.3 | 51.4 | --- | 74.0 | 22.6 |

30 MHz – 40 GHz, 802.11ac80, HT0, Chain A

Radiated Spurious – CH106

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 128.2 | 31.5 | --- | 43.6 | 12.1 |
| 672.0 | 34.9 | --- | 46.0 | 11.1 |
| 6156.0 | 54.0 | --- | 74.0 | 20.0 |
| 6156.5 | --- | 42.1 | 54.0 | 11.9 |
| 11050.6 | --- | 39.6 | 54.0 | 14.4 |
| 11065.1 | 50.2 | --- | 74.0 | 23.8 |
| 22119.6 | 48.5 | --- | 74.0 | 25.6 |
| 22120.1 | --- | 48.2 | 54.0 | 5.8 |

Radiated Spurious – CH122

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 126.4 | 30.6 | --- | 43.6 | 13.0 |
| 672.0 | 35.2 | --- | 46.0 | 10.8 |
| 1196.5 | --- | 34.9 | 54.0 | 19.1 |
| 1199.0 | 45.8 | --- | 74.0 | 28.2 |
| 5726.5 | 56.1 | --- | 74.0 | 17.9 |
| 5726.5 | --- | 43.1 | 54.0 | 10.9 |
| 16742.9 | --- | 40.6 | 54.0 | 13.4 |
| 16801.3 | 52.6 | --- | 74.0 | 21.4 |
| 22439.9 | --- | 46.4 | 54.0 | 7.6 |
| 22439.9 | 48.7 | --- | 74.0 | 25.3 |

30 MHz – 40 GHz, 802.11ac80, HT0, Chain B

Radiated Spurious – CH106

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 126.9 | 31.2 | --- | 43.6 | 12.4 |
| 672.0 | 35.7 | --- | 46.0 | 10.3 |
| 6175.5 | 53.8 | --- | 74.0 | 20.2 |
| 6202.0 | --- | 41.9 | 54.0 | 12.1 |
| 16696.9 | --- | 41.1 | 54.0 | 12.9 |
| 16737.5 | 53.2 | --- | 74.0 | 20.8 |
| 22120.1 | --- | 47.7 | 54.0 | 6.3 |
| 22120.1 | 49.4 | --- | 74.0 | 24.6 |

Radiated Spurious – CH122

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 123.4 | 30.4 | --- | 43.6 | 13.2 |
| 624.0 | 35.1 | --- | 46.0 | 10.9 |
| 1196.0 | --- | 34.9 | 54.0 | 19.1 |
| 1197.0 | 46.8 | --- | 74.0 | 27.2 |
| 5726.5 | 55.4 | --- | 74.0 | 18.7 |
| 5726.5 | --- | 42.6 | 54.0 | 11.4 |
| 16690.2 | 52.5 | --- | 74.0 | 21.5 |
| 16743.3 | --- | 40.8 | 54.0 | 13.2 |
| 22440.2 | --- | 46.0 | 54.0 | 8.0 |
| 22440.2 | 49.2 | --- | 74.0 | 24.8 |

30 MHz – 26.5 GHz, 802.11ac80, HT8, Chain A+B

Radiated Spurious – CH106

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 126.9 | 32.5 | --- | 43.6 | 11.1 |
| 624.0 | 34.8 | --- | 46.0 | 11.2 |
| 6290.0 | --- | 42.8 | 54.0 | 11.2 |
| 6299.0 | 54.8 | --- | 74.0 | 19.3 |
| 11059.3 | --- | 40.0 | 54.0 | 14.0 |
| 11060.8 | 50.7 | --- | 74.0 | 23.3 |
| 22120.1 | --- | 44.2 | 54.0 | 9.8 |
| 22120.1 | 47.7 | --- | 74.0 | 26.3 |

Radiated Spurious – CH122

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|------------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 672.0 | 35.4 | --- | 46.0 | 10.6 |
| 1197.5 | --- | 34.7 | 54.0 | 19.3 |
| 1198.0 | 47.0 | --- | 74.0 | 27.0 |
| 5726.0 | --- | 44.6 | 54.0 | 9.4 |
| 5727.0 | 54.3 | --- | 74.0 | 19.7 |
| 16707.6 | 53.1 | --- | 74.0 | 20.9 |
| 16744.3 | --- | 41.4 | 54.0 | 12.6 |
| 22439.9 | 47.8 | --- | 74.0 | 26.2 |
| 22440.2 | --- | 49.9 | 54.0 | 4.1 |

30 MHz – 40 GHz, 802.11ax80, HE0, Chain A

Radiated Spurious – CH106

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 672.0 | 36.1 | --- | 46.0 | 9.9 |
| 6321.0 | --- | 43.8 | 54.0 | 10.2 |
| 6321.5 | 56.3 | --- | 74.0 | 17.7 |
| 10983.5 | --- | 45.0 | 54.0 | 9.0 |
| 10983.5 | 54.1 | --- | 74.0 | 19.9 |
| 22119.8 | 52.5 | --- | 74.0 | 21.5 |
| 22120.1 | --- | 47.5 | 54.0 | 6.5 |

Radiated Spurious – CH122

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 624.0 | 35.0 | --- | 46.0 | 11.0 |
| 1196.0 | --- | 34.9 | 54.0 | 19.1 |
| 1196.5 | 47.3 | --- | 74.0 | 26.7 |
| 11144.4 | --- | 46.9 | 54.0 | 7.1 |
| 11144.4 | 56.3 | --- | 74.0 | 17.7 |
| 22286.7 | 47.5 | --- | 74.0 | 26.5 |
| 22288.5 | --- | 38.0 | 54.0 | 16.0 |
| 22440.2 | 50.8 | --- | 74.0 | 23.2 |
| 22440.2 | --- | 46.4 | 54.0 | 7.6 |

Radiated Spurious – CH138

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 672.0 | 35.3 | --- | 46.0 | 10.7 |
| 1196.5 | --- | 35.1 | 54.0 | 18.9 |
| 1198.5 | 46.6 | --- | 74.0 | 27.5 |
| 5802.7 | 61.7 | --- | 74.0 | 12.4 |
| 5804.4 | --- | 47.0 | 54.0 | 7.0 |
| 11303.9 | --- | 40.6 | 54.0 | 13.4 |
| 11304.4 | 51.2 | --- | 74.0 | 22.8 |
| 16954.6 | 54.9 | --- | 74.0 | 19.1 |
| 16956.5 | --- | 45.2 | 54.0 | 8.8 |
| 22608.1 | --- | 38.1 | 54.0 | 15.9 |
| 22609.9 | 49.4 | --- | 74.0 | 24.6 |
| 22760.0 | --- | 49.9 | 54.0 | 4.1 |
| 22760.3 | 50.9 | --- | 74.0 | 23.1 |

30 MHz – 40 GHz, 802.11ax80, HE0, Chain B

Radiated Spurious – CH106

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 549.1 | 35.4 | --- | 46.0 | 10.6 |
| 1286.5 | --- | 35.1 | 54.0 | 18.9 |
| 1287.0 | 45.8 | --- | 74.0 | 28.2 |
| 10984.4 | 49.7 | --- | 74.0 | 24.3 |
| 10984.4 | --- | 39.8 | 54.0 | 14.2 |
| 22120.1 | --- | 47.4 | 54.0 | 6.6 |
| 22120.1 | 49.1 | --- | 74.0 | 24.9 |

Radiated Spurious – CH122

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|------------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 672.0 | 35.7 | --- | 46.0 | 10.3 |
| 1195.0 | 47.7 | --- | 74.0 | 26.3 |
| 1196.5 | --- | 35.4 | 54.0 | 18.6 |
| 11143.4 | 49.6 | --- | 74.0 | 24.4 |
| 11143.9 | --- | 39.7 | 54.0 | 14.3 |
| 22287.7 | --- | 51.3 | 54.0 | 2.7 |
| 22289.6 | 57.6 | --- | 74.0 | 16.4 |
| 22308.7 | --- | 38.3 | 54.0 | 15.7 |
| 22317.2 | --- | 38.6 | 54.0 | 15.4 |
| 22330.5 | --- | 37.9 | 54.0 | 16.1 |
| 22439.9 | 49.5 | --- | 74.0 | 24.5 |
| 22439.9 | --- | 46.2 | 54.0 | 7.8 |

Radiated Spurious – CH138

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 624.0 | 35.3 | --- | 46.0 | 10.7 |
| 5802.4 | 59.1 | --- | 74.0 | 14.9 |
| 5803.9 | --- | 49.1 | 54.0 | 4.9 |
| 11303.4 | 52.2 | --- | 74.0 | 21.8 |
| 11303.4 | --- | 41.7 | 54.0 | 12.3 |
| 16955.0 | 54.6 | --- | 74.0 | 19.4 |
| 16955.5 | --- | 45.3 | 54.0 | 8.7 |
| 22760.0 | --- | 49.4 | 54.0 | 4.6 |
| 22760.0 | 50.6 | --- | 74.0 | 23.4 |

30 MHz – 26.5 GHz, 802.11ax80, HE0, Chain A+B

Radiated Spurious – CH106

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 624.0 | 36.0 | --- | 46.0 | 10.0 |
| 1286.5 | --- | 37.8 | 54.0 | 16.2 |
| 1287.0 | 49.3 | --- | 74.0 | 24.8 |
| 5416.0 | --- | 49.3 | 54.0 | 4.7 |
| 5416.0 | 59.9 | --- | 74.0 | 14.1 |
| 10983.0 | 53.2 | --- | 74.0 | 20.8 |
| 10984.4 | --- | 44.7 | 54.0 | 9.3 |
| 22119.8 | --- | 45.2 | 54.0 | 8.8 |
| 22120.1 | 48.2 | --- | 74.0 | 25.8 |

Radiated Spurious – CH122

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 624.0 | 35.3 | --- | 46.0 | 10.7 |
| 1197.5 | --- | 34.7 | 54.0 | 19.3 |
| 1198.5 | 45.2 | --- | 74.0 | 28.8 |
| 11143.4 | 51.5 | --- | 74.0 | 22.5 |
| 11143.9 | --- | 43.0 | 54.0 | 11.0 |
| 22288.0 | --- | 39.2 | 54.0 | 14.8 |
| 22289.3 | 49.2 | --- | 74.0 | 24.8 |
| 22370.3 | --- | 37.3 | 54.0 | 16.7 |
| 22440.2 | 48.5 | --- | 74.0 | 25.5 |
| 22440.2 | --- | 48.9 | 54.0 | 5.1 |

30 MHz – 40 GHz, 802.11ac160, HT0, Chain A

Radiated Spurious – CH114

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|------------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 624.0 | 35.3 | --- | 46.0 | 10.7 |
| 1195.5 | 46.6 | --- | 74.0 | 27.4 |
| 1197.0 | --- | 34.0 | 54.0 | 20.0 |
| 16730.3 | --- | 41.5 | 54.0 | 12.5 |
| 16754.5 | 52.5 | --- | 74.0 | 21.5 |
| 22280.0 | --- | 47.5 | 54.0 | 6.5 |
| 22280.0 | 48.6 | --- | 74.0 | 25.4 |

30 MHz – 40 GHz, 802.11ac160, HT0, Chain B

Radiated Spurious – CH114

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 549.1 | 34.8 | --- | 46.0 | 11.2 |
| 1196.5 | --- | 33.5 | 54.0 | 20.5 |
| 1198.5 | 44.8 | --- | 74.0 | 29.2 |
| 16747.7 | --- | 41.3 | 54.0 | 12.7 |
| 16747.7 | 53.2 | --- | 74.0 | 20.8 |
| 22279.8 | --- | 46.7 | 54.0 | 7.3 |
| 22280.3 | 48.5 | --- | 74.0 | 25.5 |

30 MHz – 40 GHz, 802.11ac160, HT0, Chain A+B

Radiated Spurious – CH114

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 624.0 | 35.1 | --- | 46.0 | 10.9 |
| 1196.0 | 44.8 | --- | 74.0 | 29.2 |
| 1197.5 | --- | 33.8 | 54.0 | 20.2 |
| 16747.7 | 51.9 | --- | 74.0 | 22.1 |
| 16747.7 | --- | 41.2 | 54.0 | 12.8 |
| 22280.0 | --- | 46.1 | 54.0 | 7.9 |
| 22280.3 | 49.1 | --- | 74.0 | 24.9 |

30 MHz – 40 GHz, 802.11ax160, HE0, Chain A

Radiated Spurious – CH114

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 624.0 | 35.0 | --- | 46.0 | 11.0 |
| 5802.5 | 58.4 | --- | 74.0 | 15.6 |
| 5804.5 | --- | 47.4 | 54.0 | 6.6 |
| 10983.9 | --- | 44.4 | 54.0 | 9.6 |
| 10984.9 | 53.0 | --- | 74.0 | 21.0 |
| 22280.0 | --- | 47.5 | 54.0 | 6.5 |
| 22280.3 | 48.4 | --- | 74.0 | 25.6 |

30 MHz – 40 GHz, 802.11ax160, HE0, Chain B

Radiated Spurious – CH114

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|--------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 624.0 | 34.8 | --- | 46.0 | 11.2 |
| 1195.5 | 45.4 | --- | 74.0 | 28.6 |
| 1196.0 | --- | 33.7 | 54.0 | 20.3 |
| 10983.9 | 49.7 | --- | 74.0 | 24.3 |
| 10984.4 | --- | 40.0 | 54.0 | 14.0 |
| 22280.0 | --- | 48.2 | 54.0 | 5.8 |
| 22280.0 | 49.5 | --- | 74.0 | 24.5 |

30 MHz – 40 GHz, 802.11ax160, HE0, Chain A+B**Radiated Spurious – CH114**

| Frequency | MaxPeak | Avg | Limit | Margin |
|-----------|---------|--------|--------|------------|
| MHz | dBuV/m | dBuV/m | dBuV/m | dB |
| 624.0 | 34.2 | --- | 46.0 | 11.8 |
| 5803.6 | 60.1 | --- | 74.0 | 13.9 |
| 5804.1 | --- | 49.7 | 54.0 | 4.3 |
| 10983.9 | --- | 44.8 | 54.0 | 9.2 |
| 10983.9 | 54.3 | --- | 74.0 | 19.7 |
| 22279.8 | 48.5 | --- | 74.0 | 25.5 |
| 22280.0 | --- | 48.2 | 54.0 | 5.8 |

B.3 Test Results Screenshots

B.3.1 26dB Bandwidth

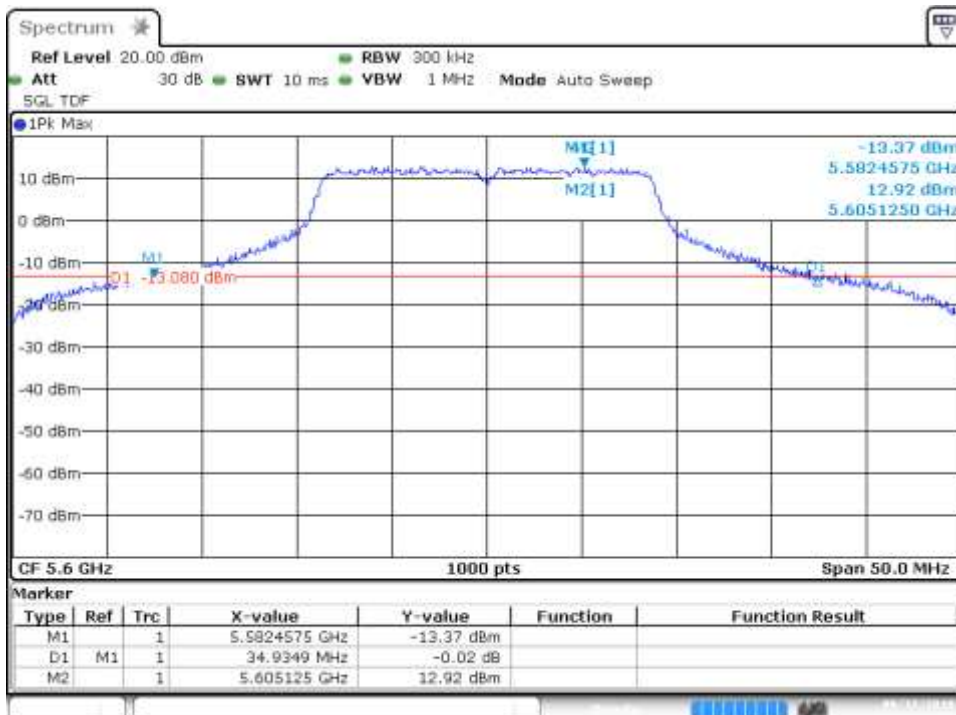
SISO-A, 802.11a, 6Mbps

Channel 120



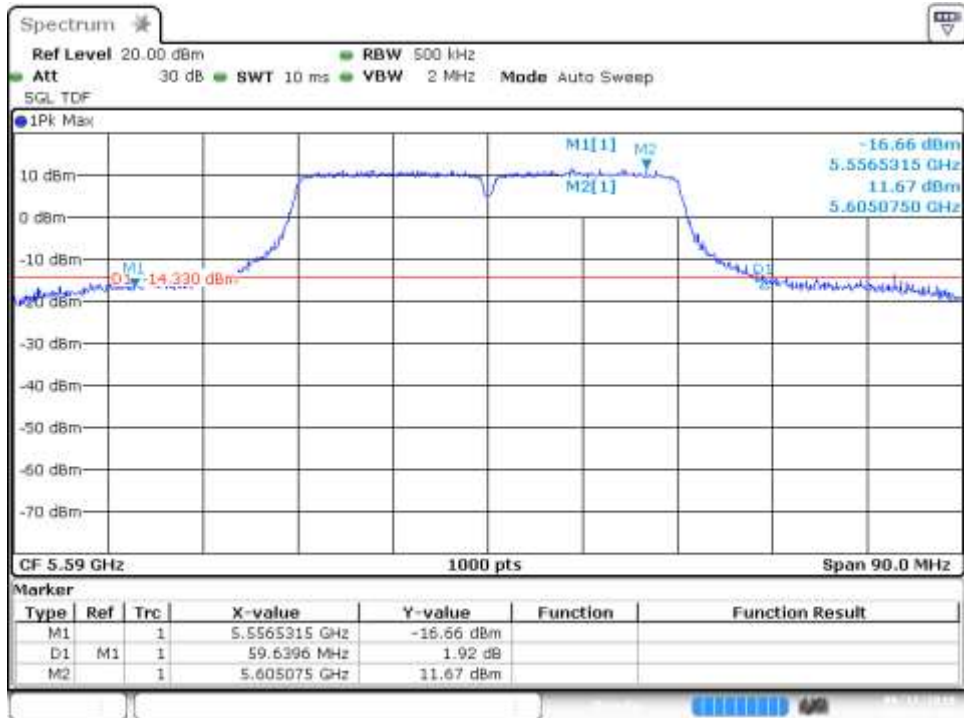
SISO-A, 802.11n20, HT0

Channel 120



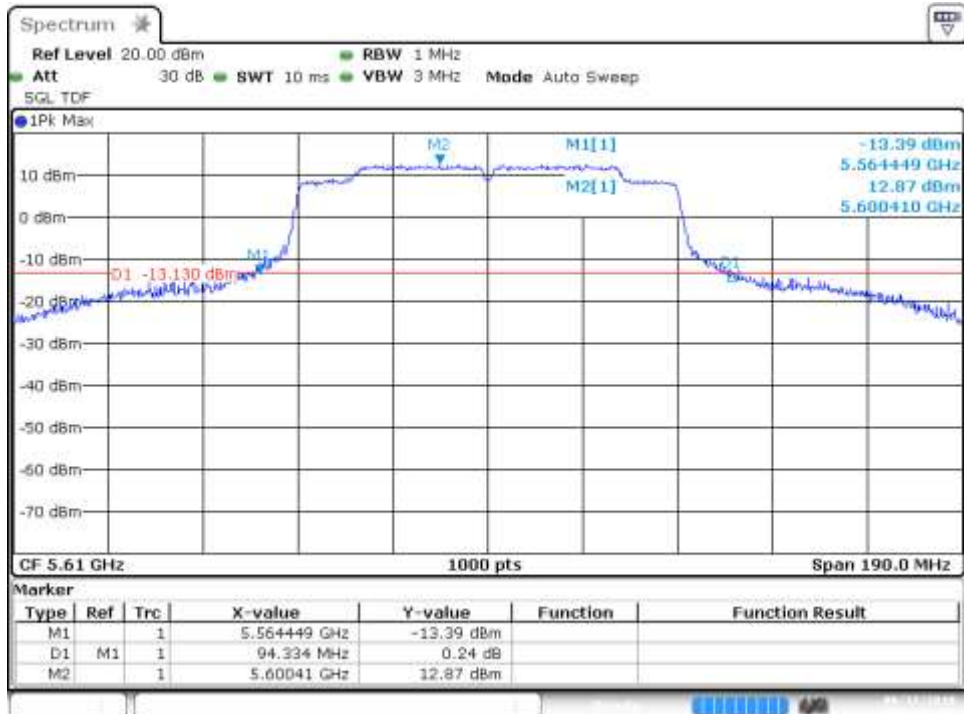
SISO-A, 802.11n40, HT0

Channel 118F



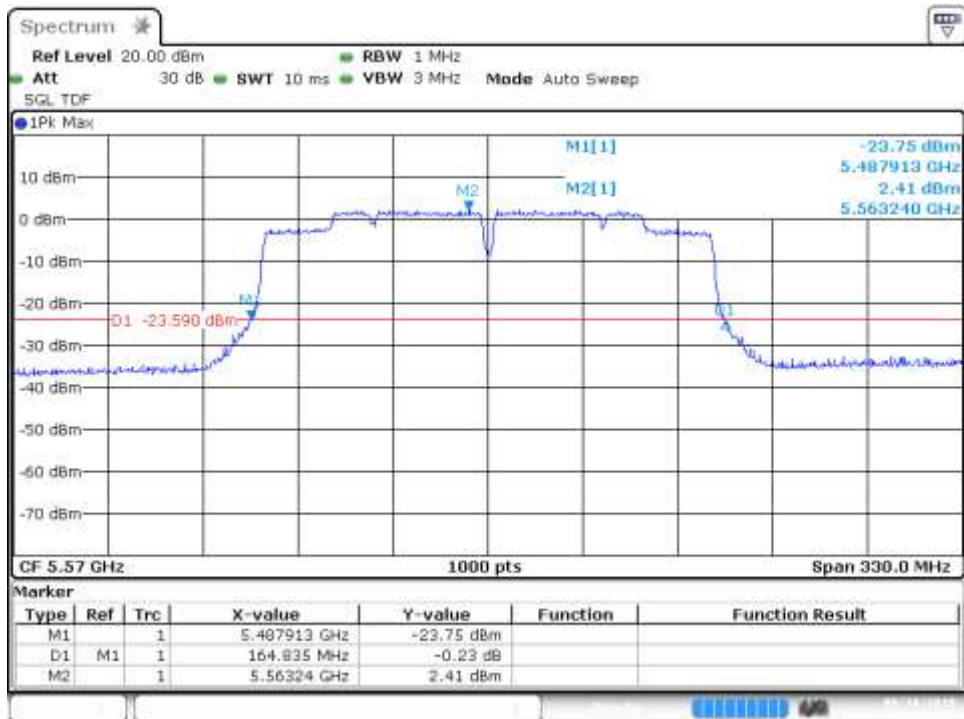
SISO-A, 802.11ac80, VHT0

Channel 122



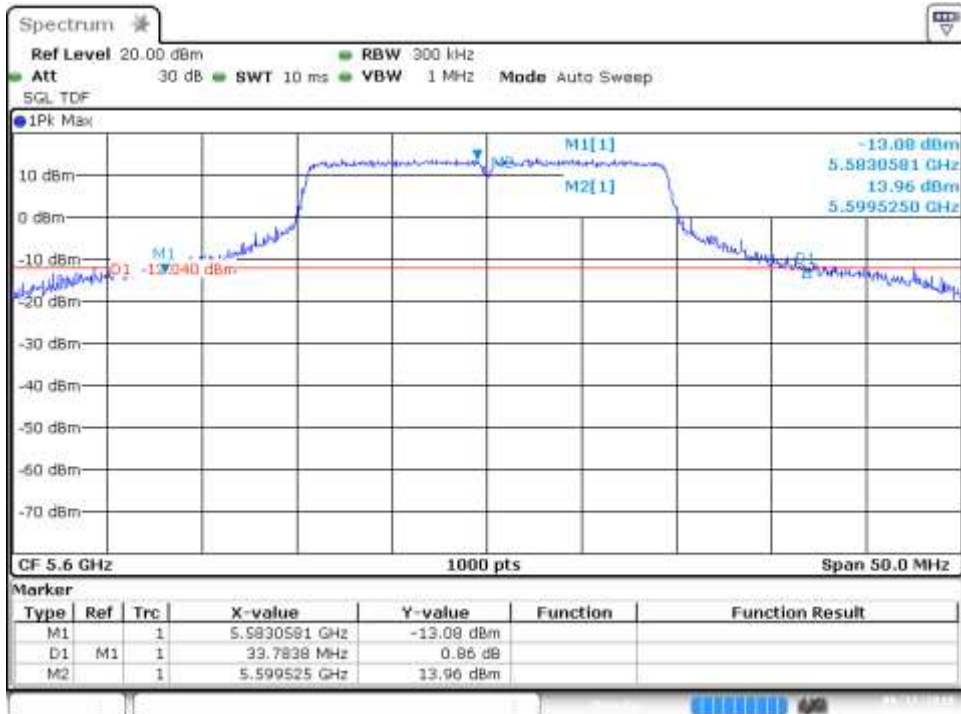
MIMO-B, 802.11ac160, VHT0

Channel 114



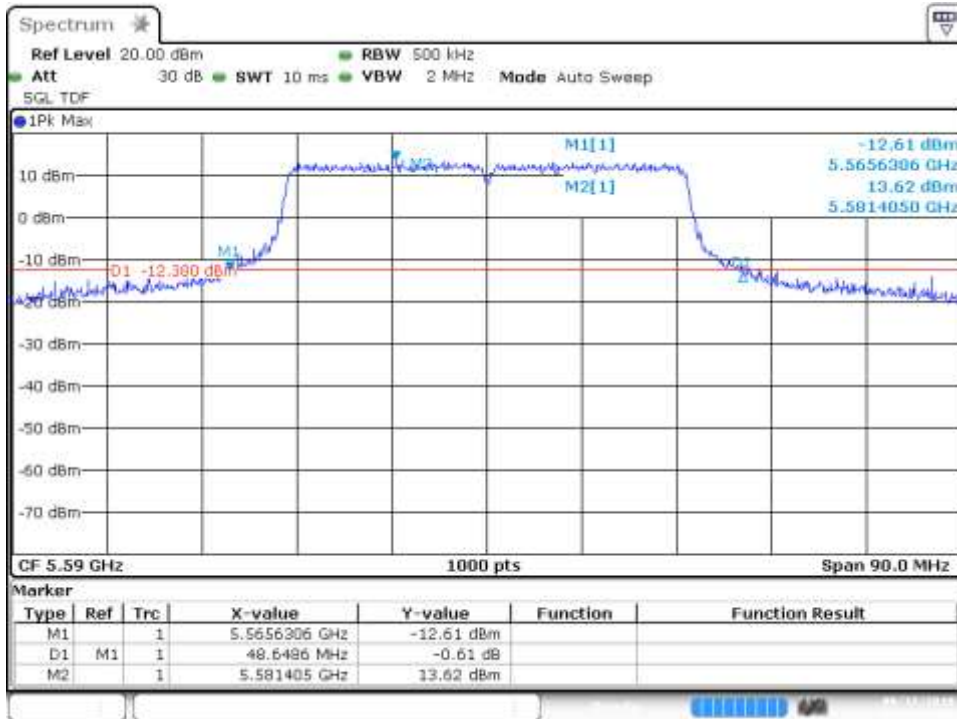
SISO-A, 802.11ax20, HE0

Channel 120



SISO-A, 802.11ax40, HE0

Channel 118F



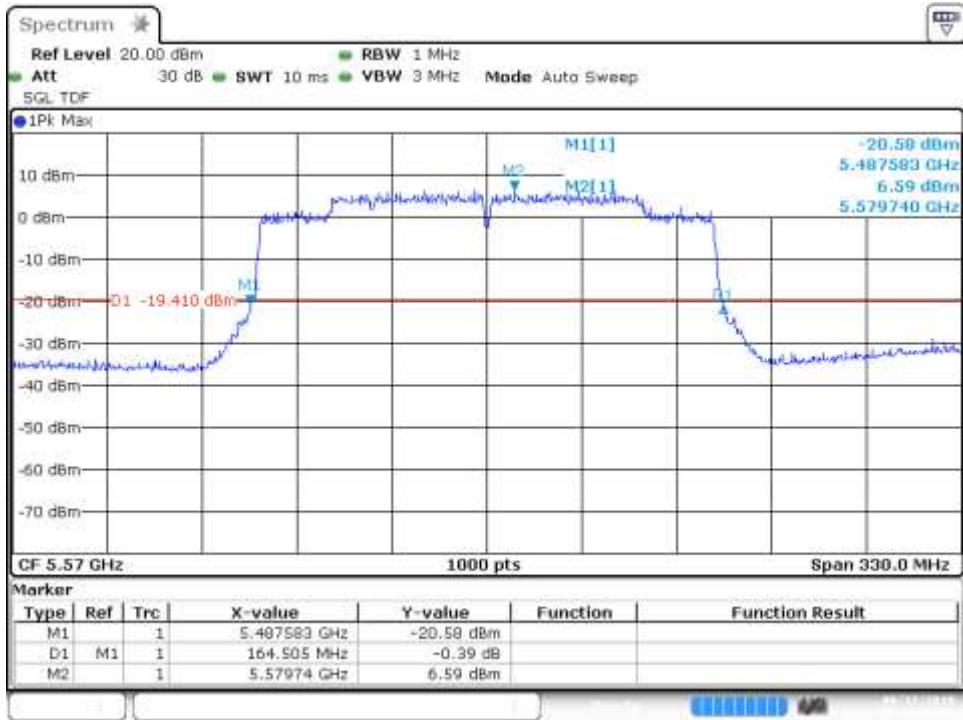
MIMO-B, 802.11ax80, HE0

Channel 106



SISO-A, 802.11ax160, HE0

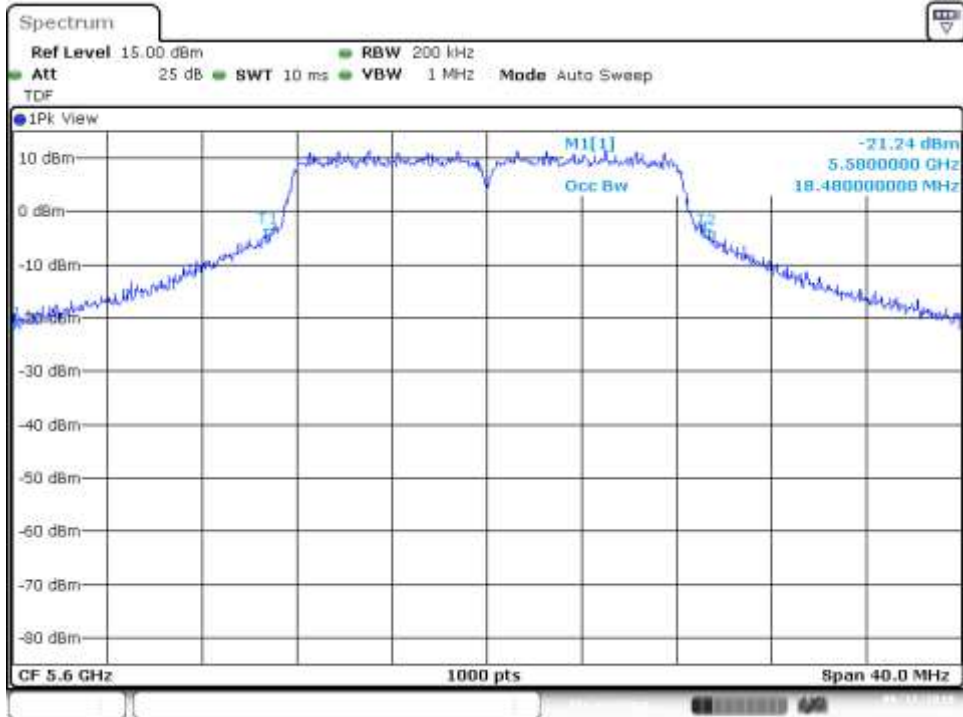
Channel 114



B.3.2 99% Bandwidth

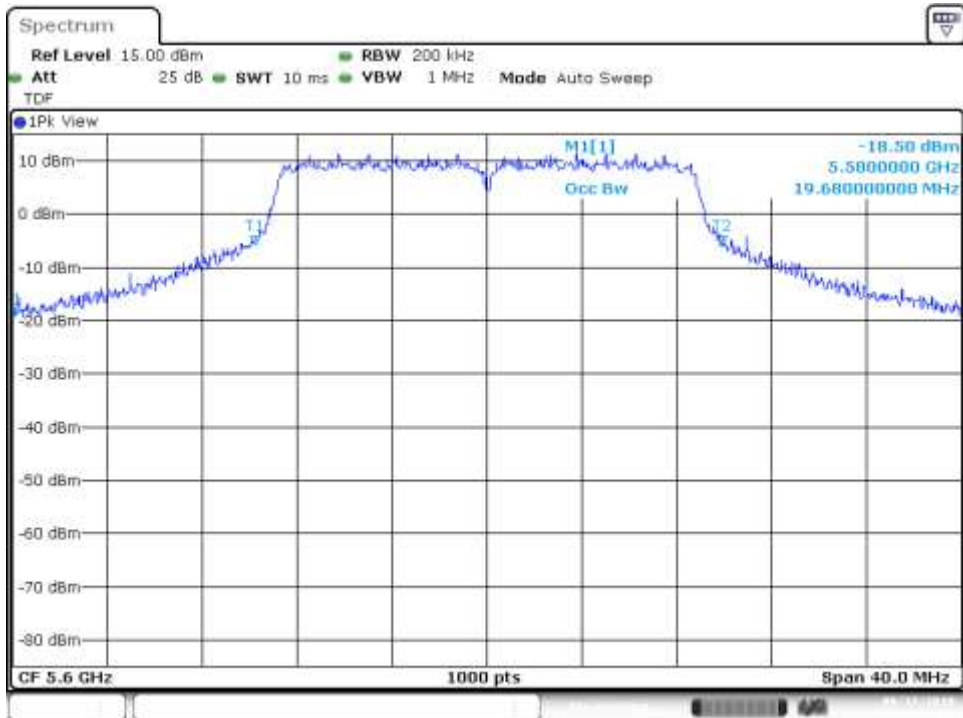
SISO-A, 802.11a, 6Mbps

Channel 120



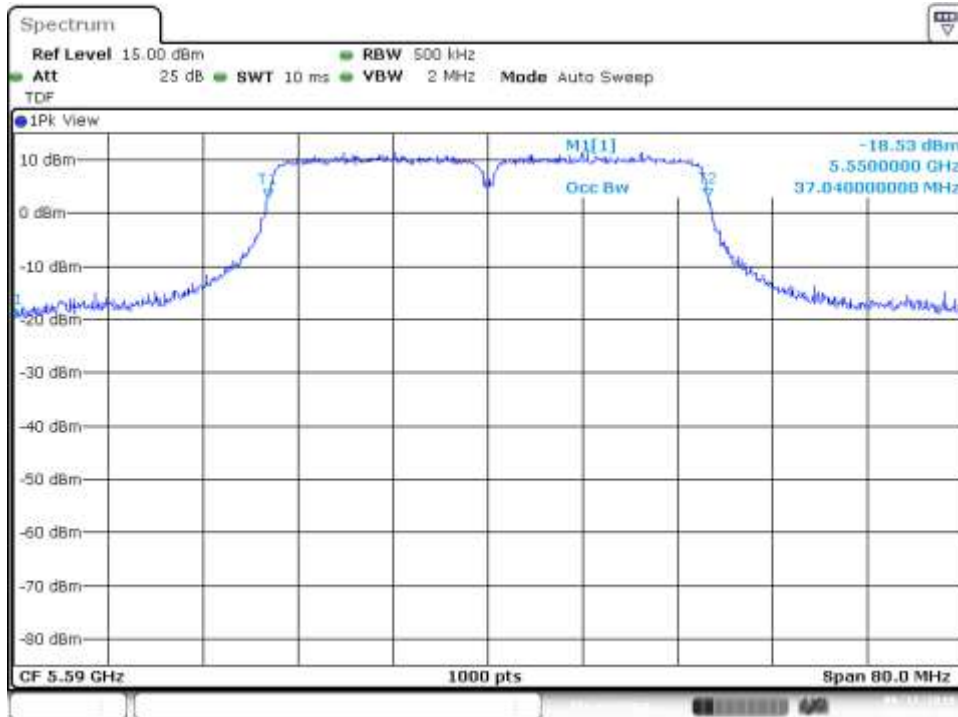
SISO-A, 802.11n20, HT0

Channel 120



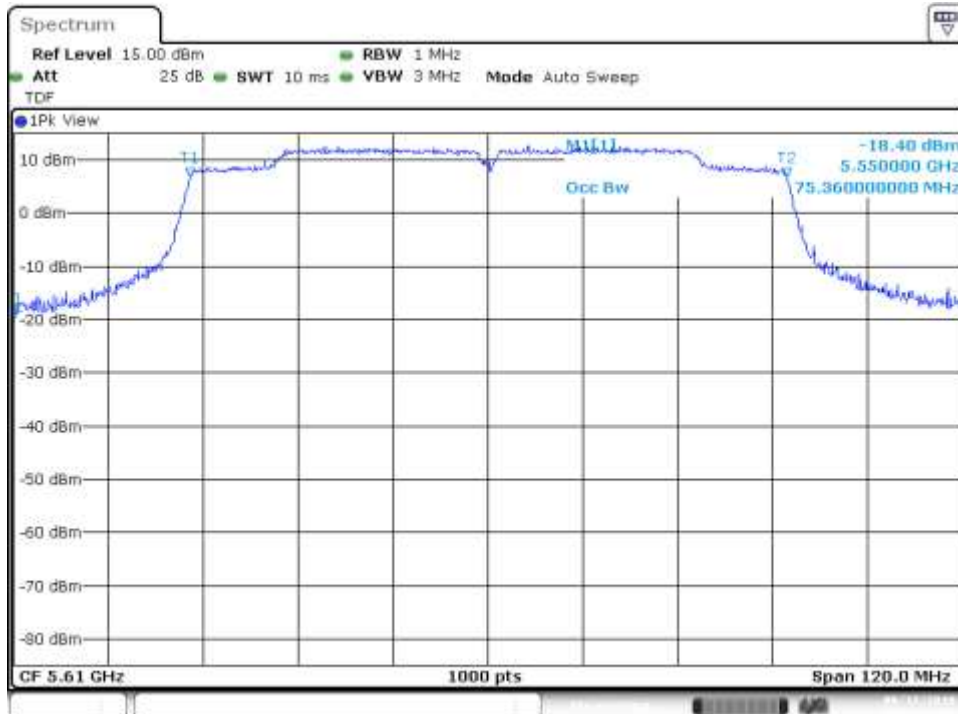
SISO-A, 802.11n40, HT0

Channel 118F



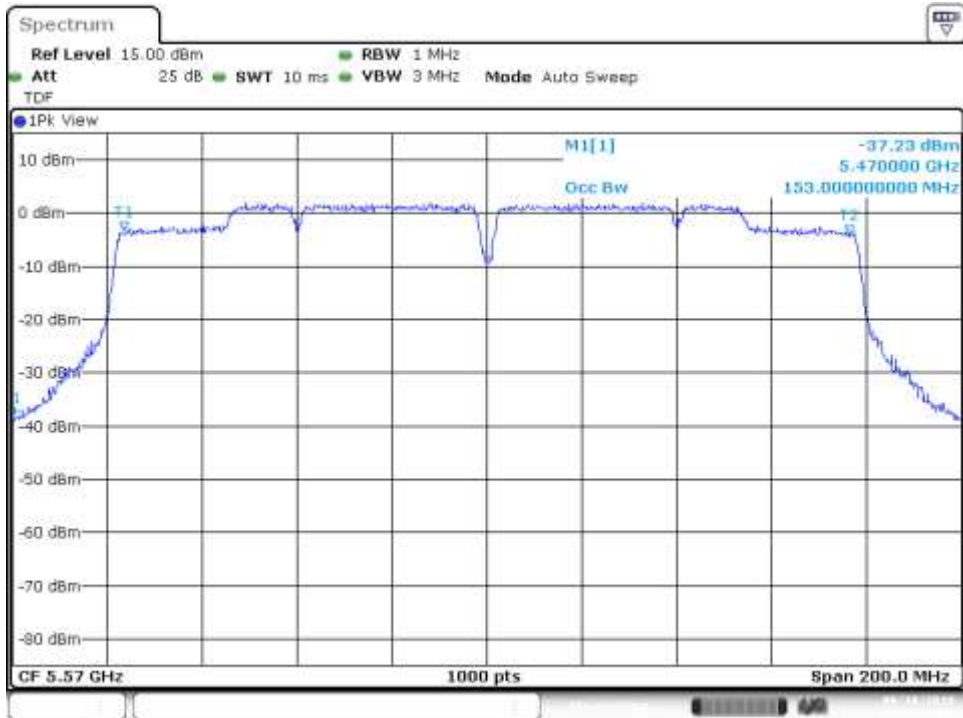
SISO-A, 802.11ac80, VHT0

Channel 122



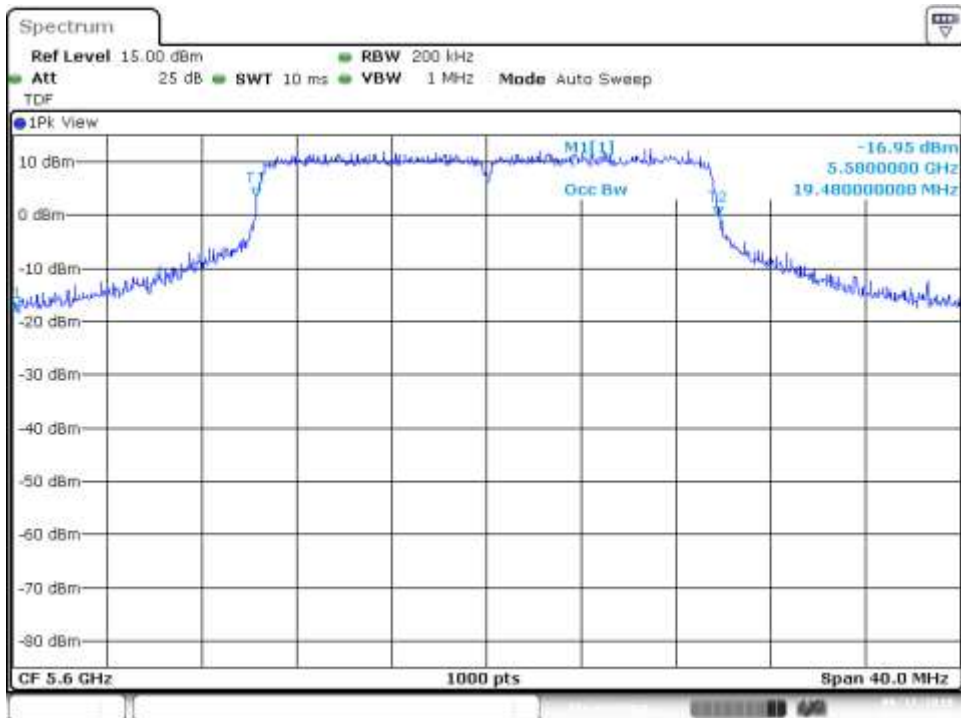
MIMO-B, 802.11ac160, VHT0

Channel 114



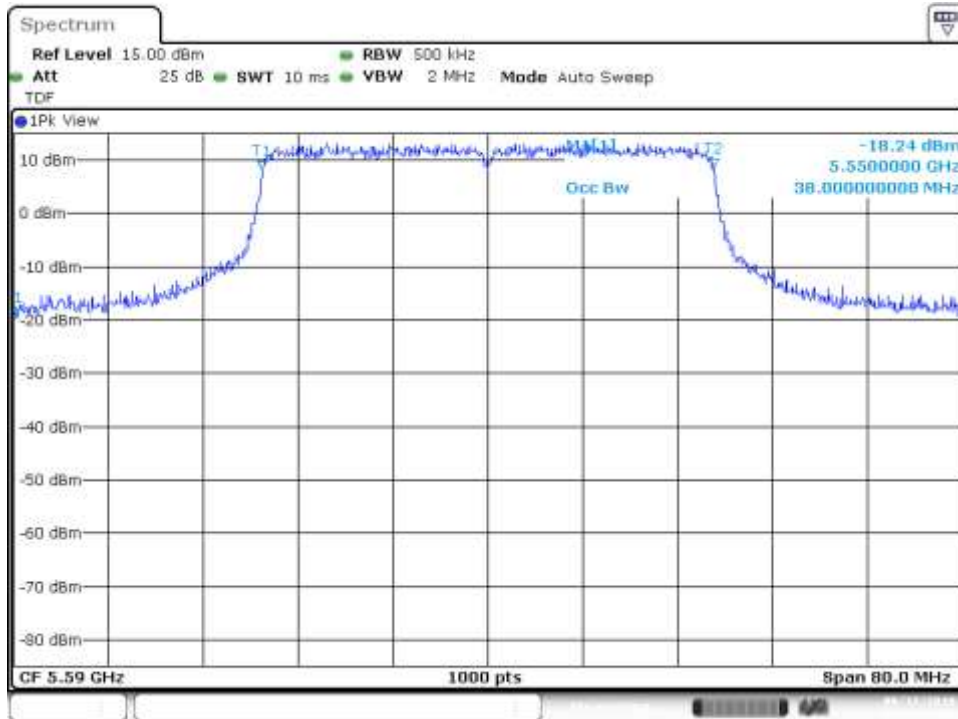
SISO-A, 802.11ax20, HE0

Channel 120



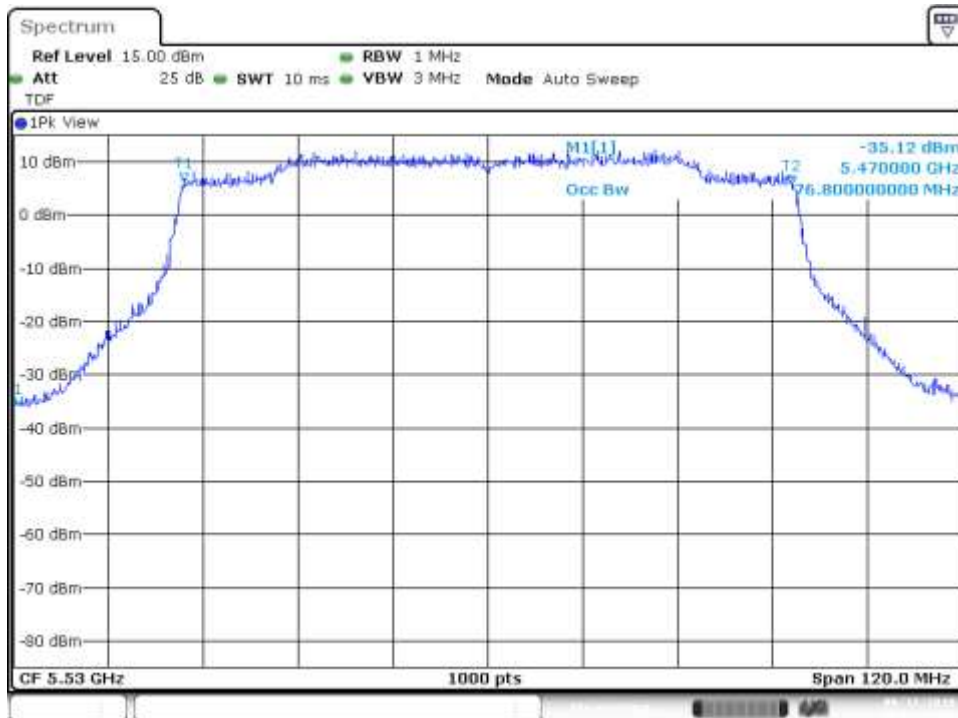
SISO-A, 802.11ax40, HE0

Channel 118F



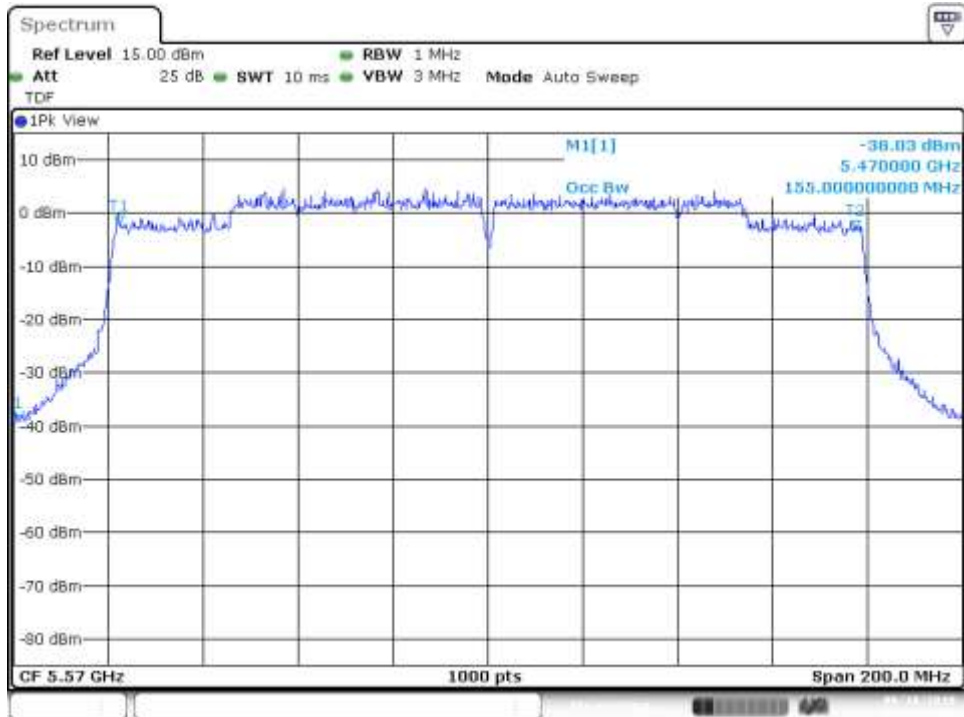
SISO-A, 802.11ax80, HE0

Channel 106



MIMO-B, 802.11ax160, HE0

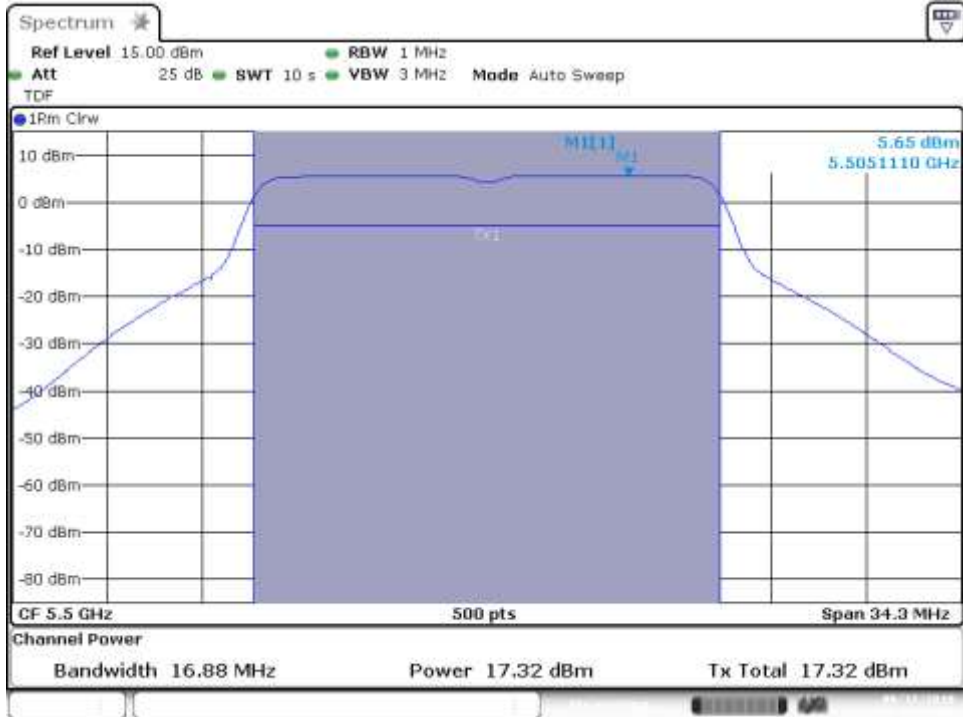
Channel 114



B.3.3 Maximum Output Power & Maximum power spectral Density

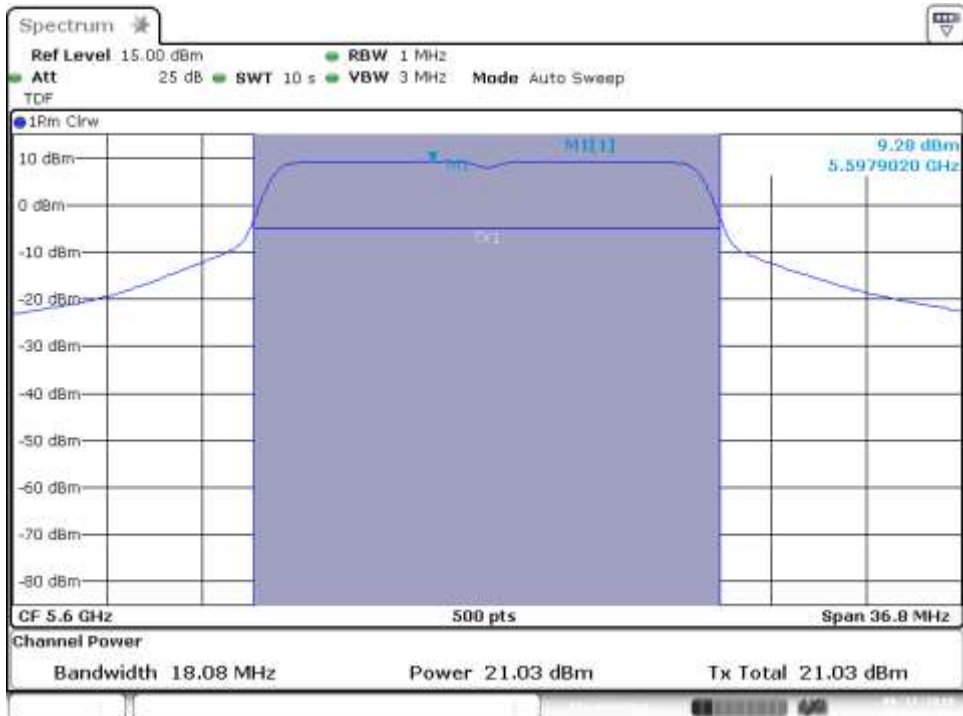
SISO-A, 802.11a, 6Mbps

Channel 100



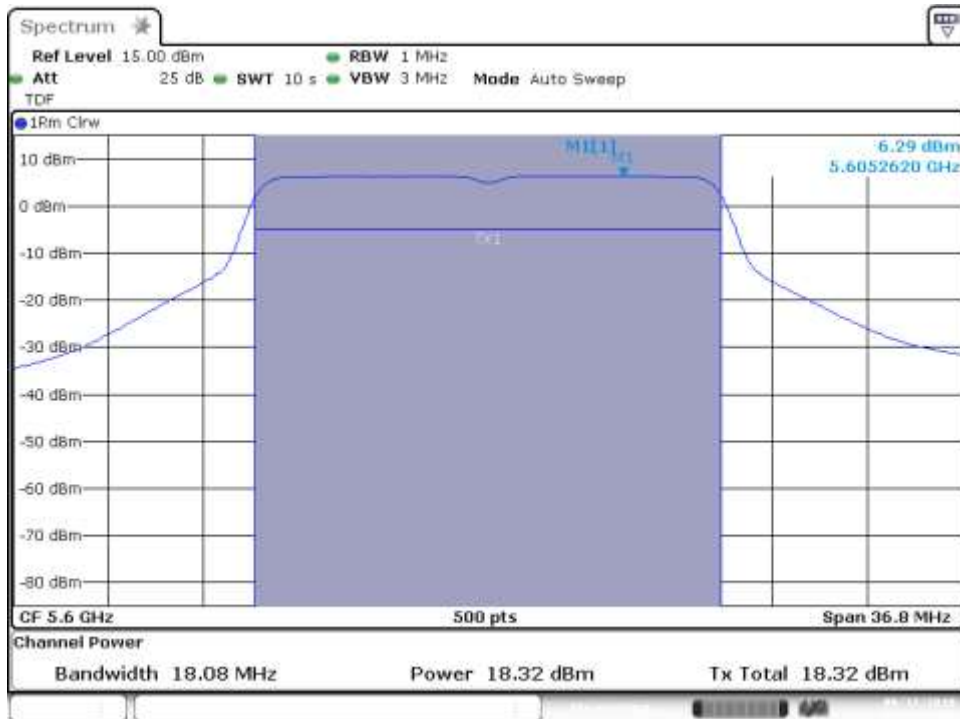
SISO-B, 802.11a, 6Mbps

Channel 120



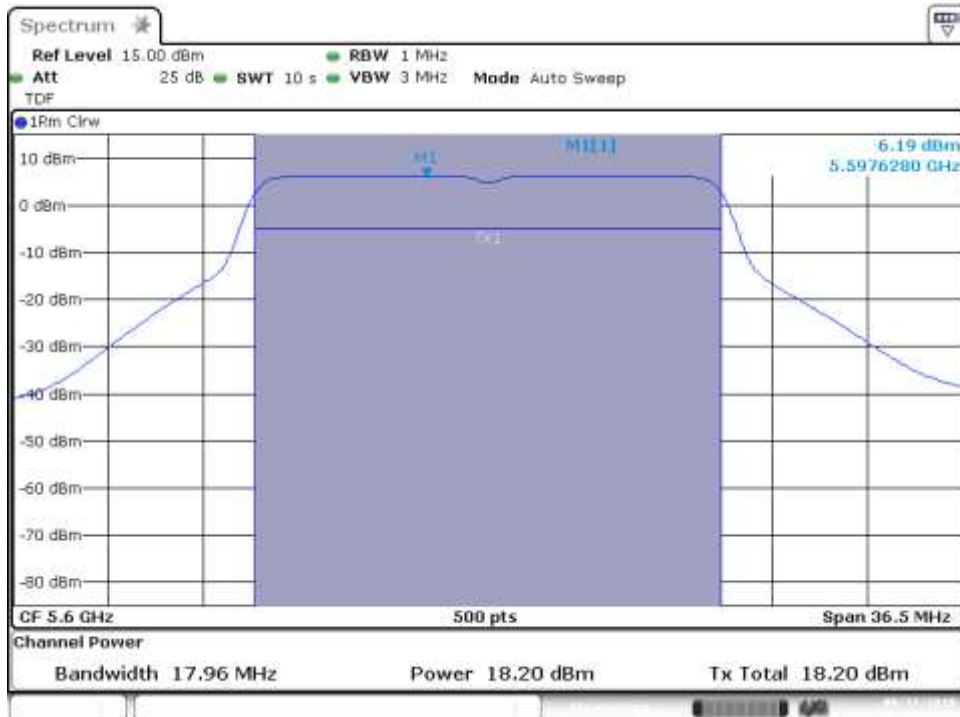
MIMO-A, 802.11n20, HT0

Channel 120



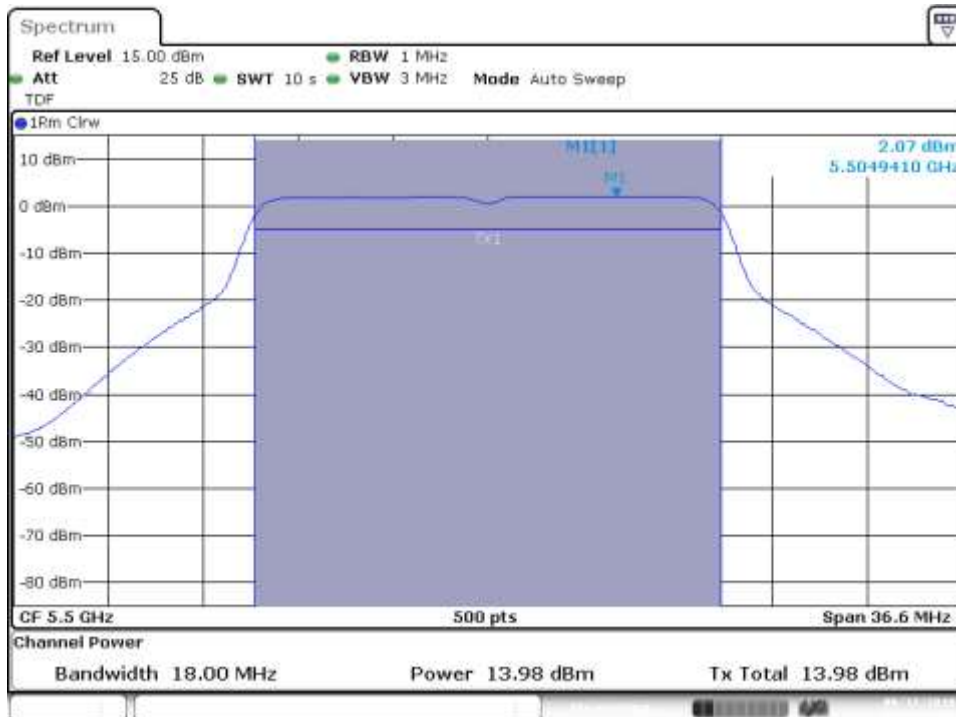
MIMO-B, 802.11n20, HT0

Channel 120



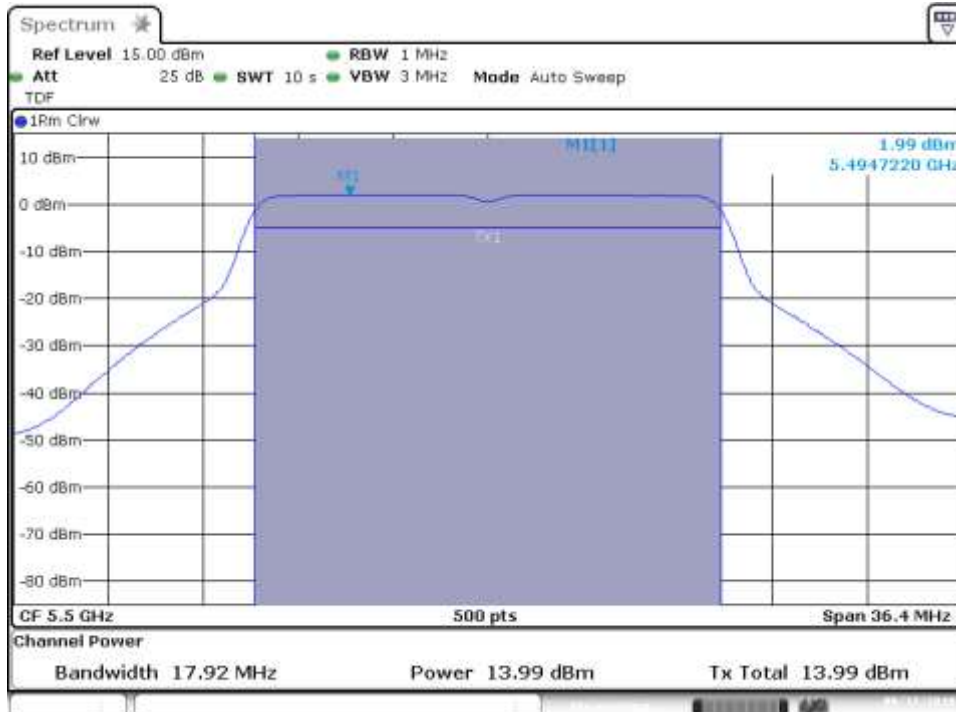
MIMO-A, 802.11n20, HT0

Channel 100



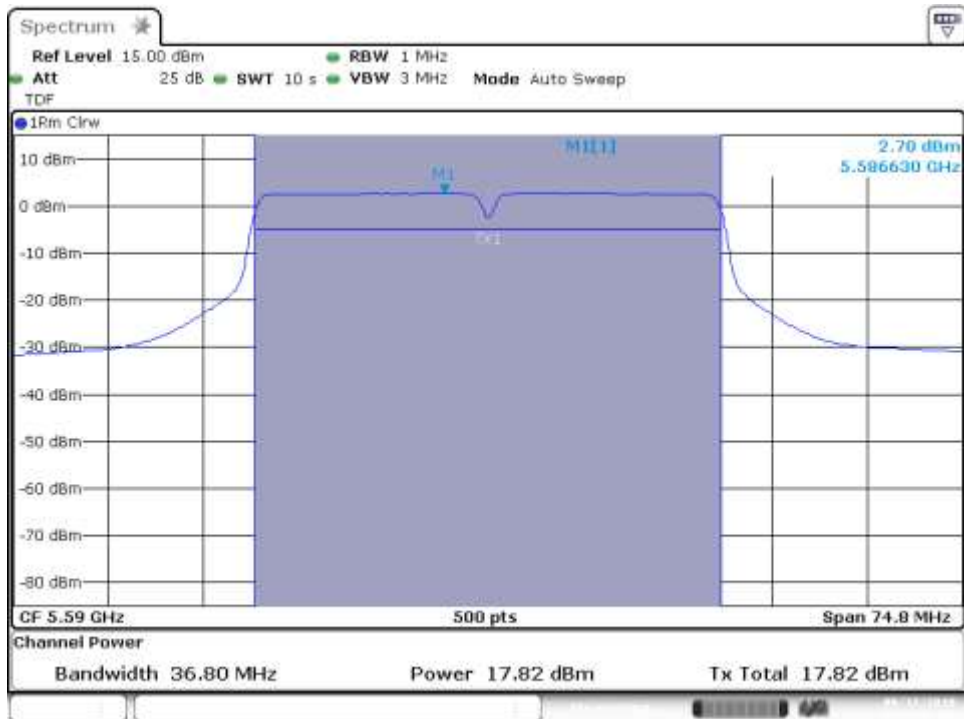
MIMO-B, 802.11n20, HT0

Channel 100



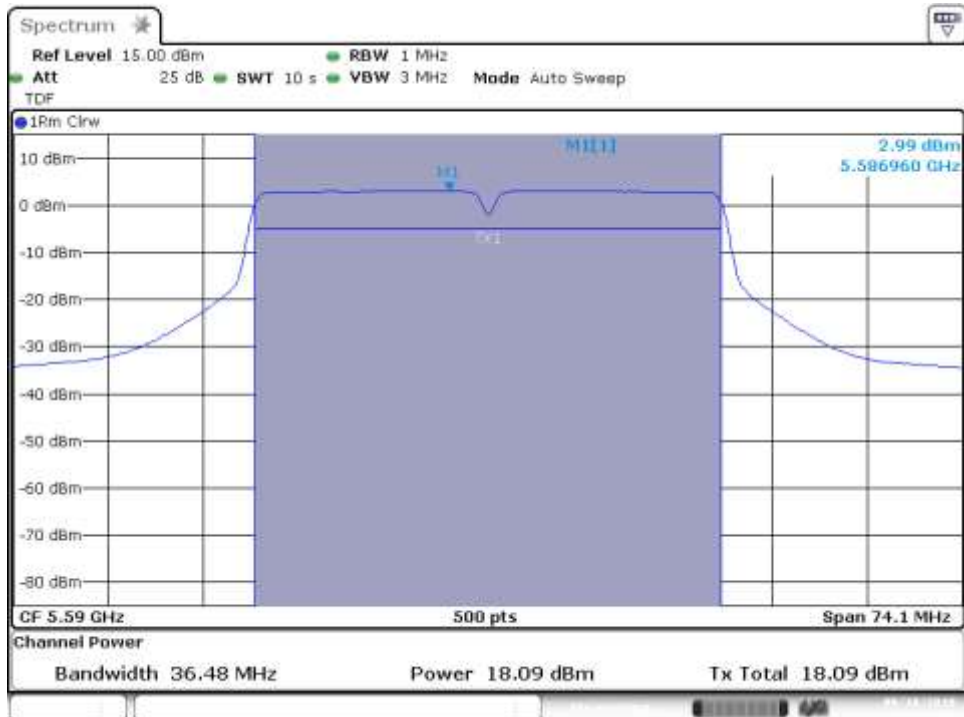
MIMO-A, 802.11n40, HT8

Channel 118F



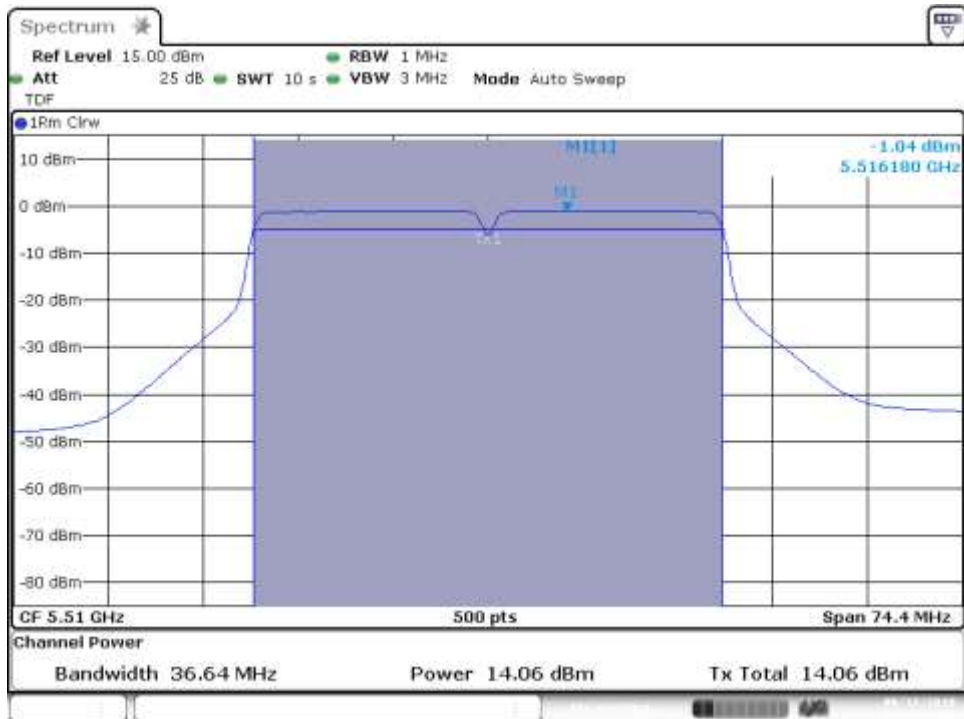
MIMO-B, 802.11n40, HT8

Channel 18F



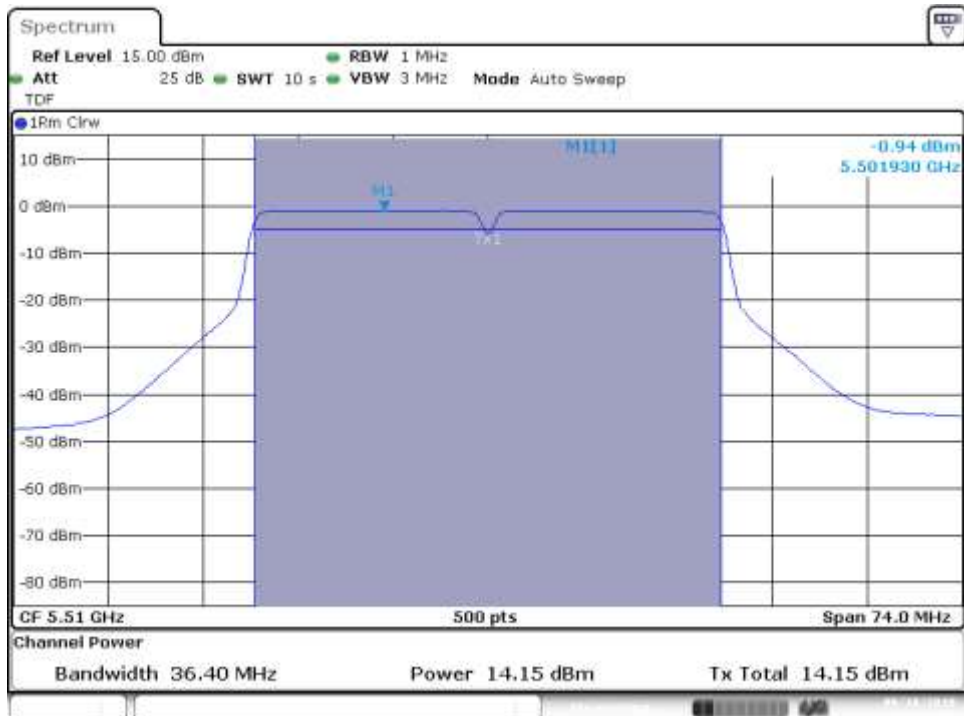
MIMO-A, 802.11n40, HT8

Channel 102F



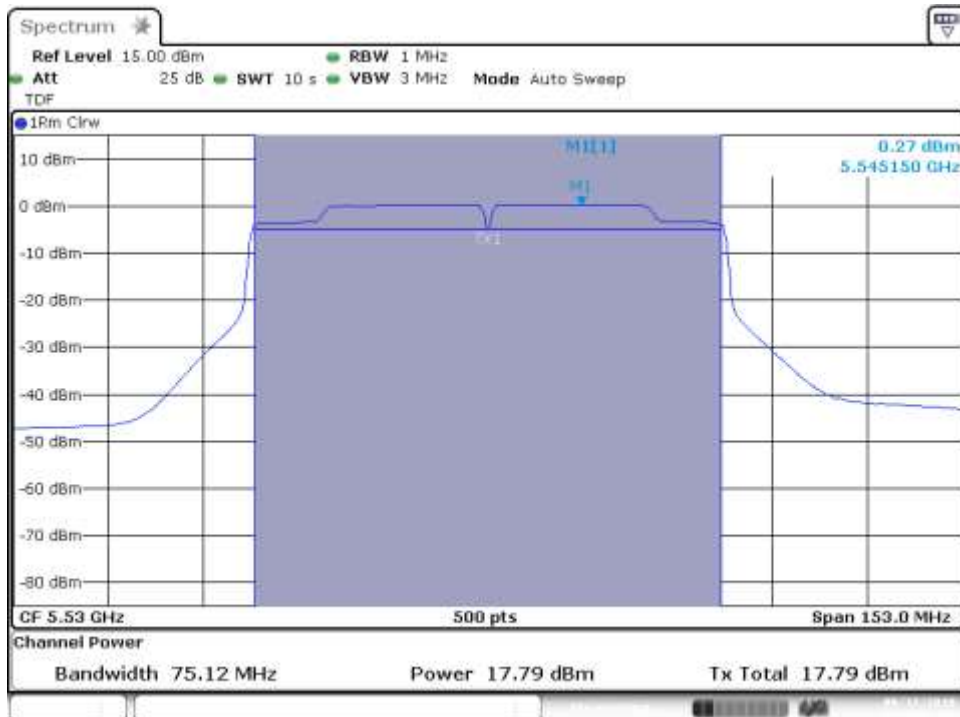
MIMO-B, 802.11n40, HT8

Channel 102F



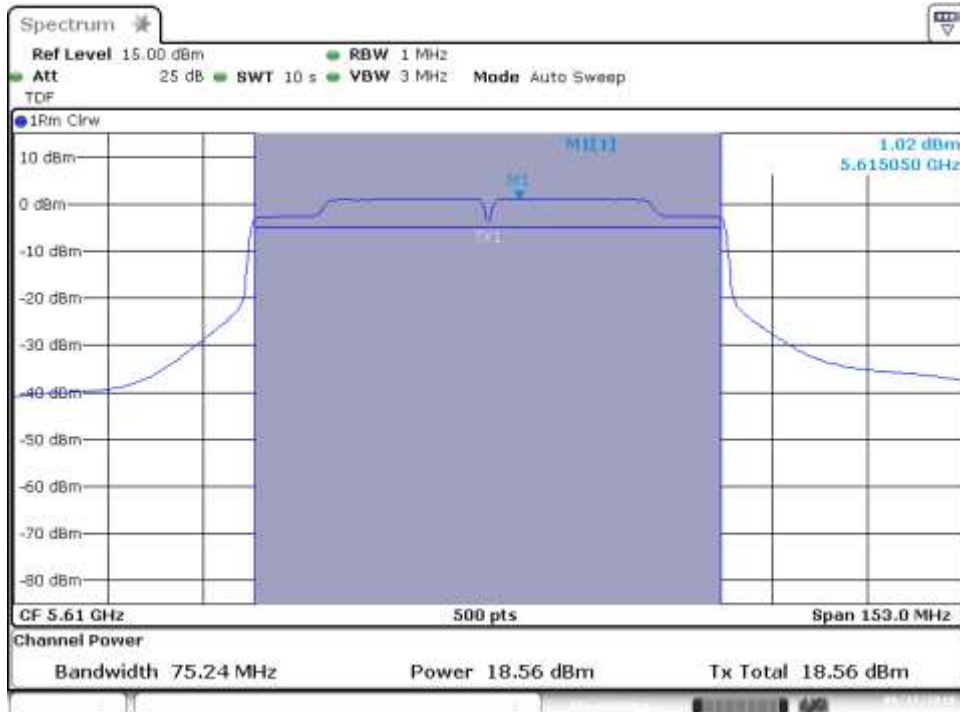
SISO-A, 802.11ac80, VHT0

Channel 106



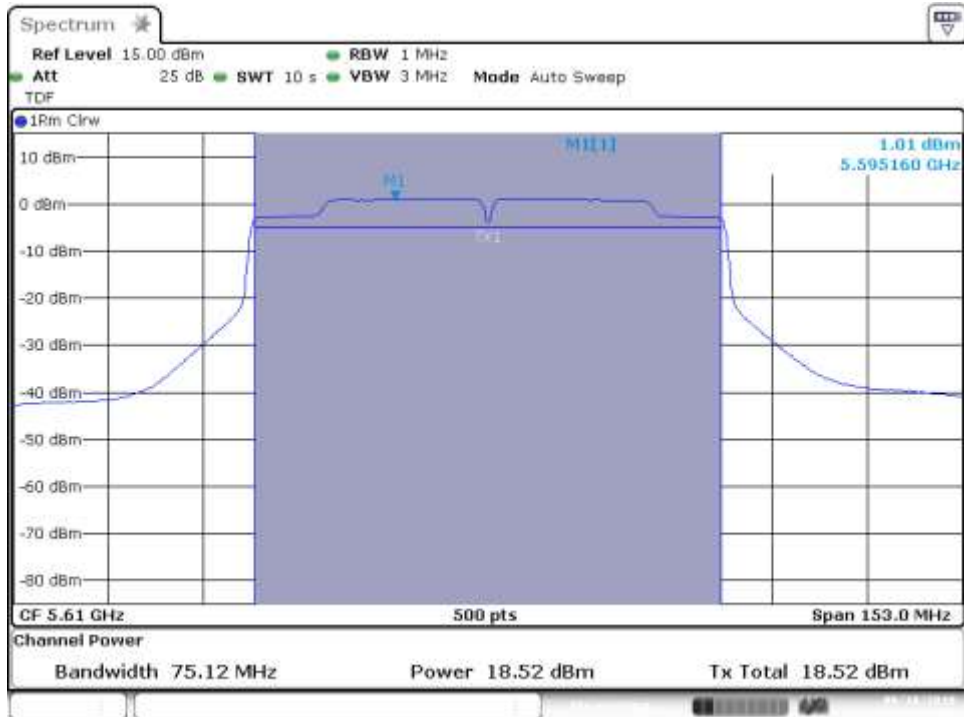
MIMO-A, 802.11ac80, VHT0

Channel 122



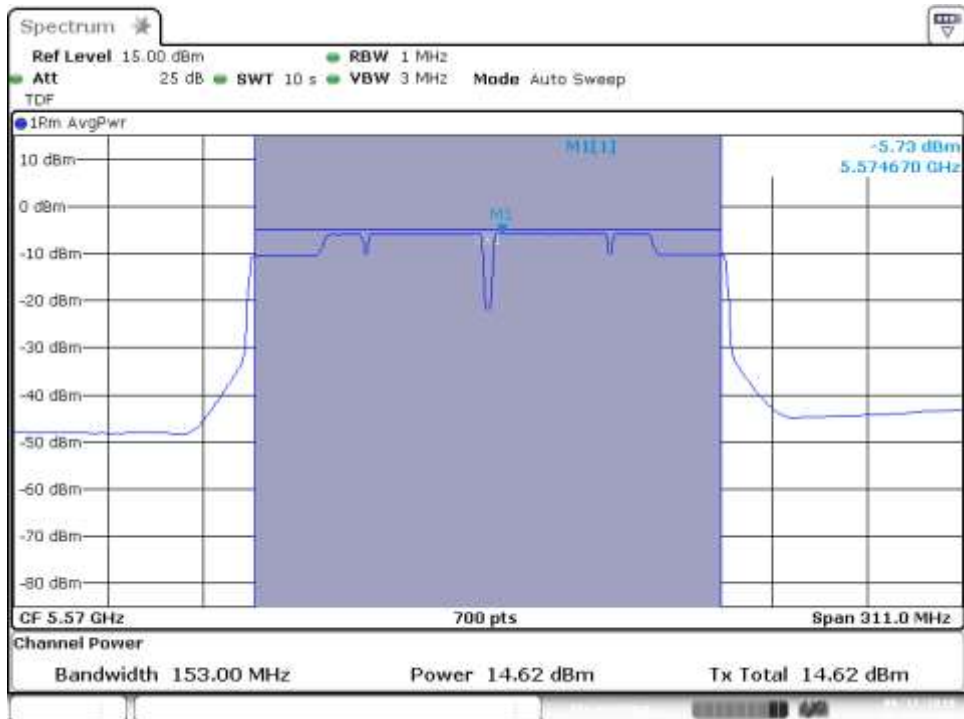
MIMO-B, 802.11ac80, VHT0

Channel 122



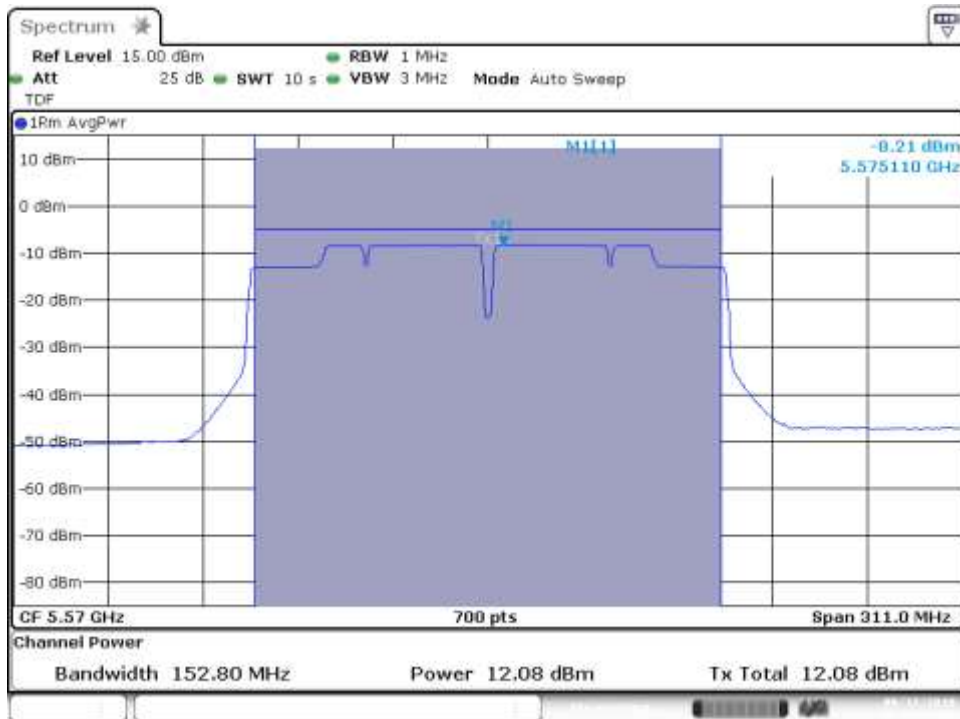
SISO-A, 802.11ac160, VHT0

Channel 114



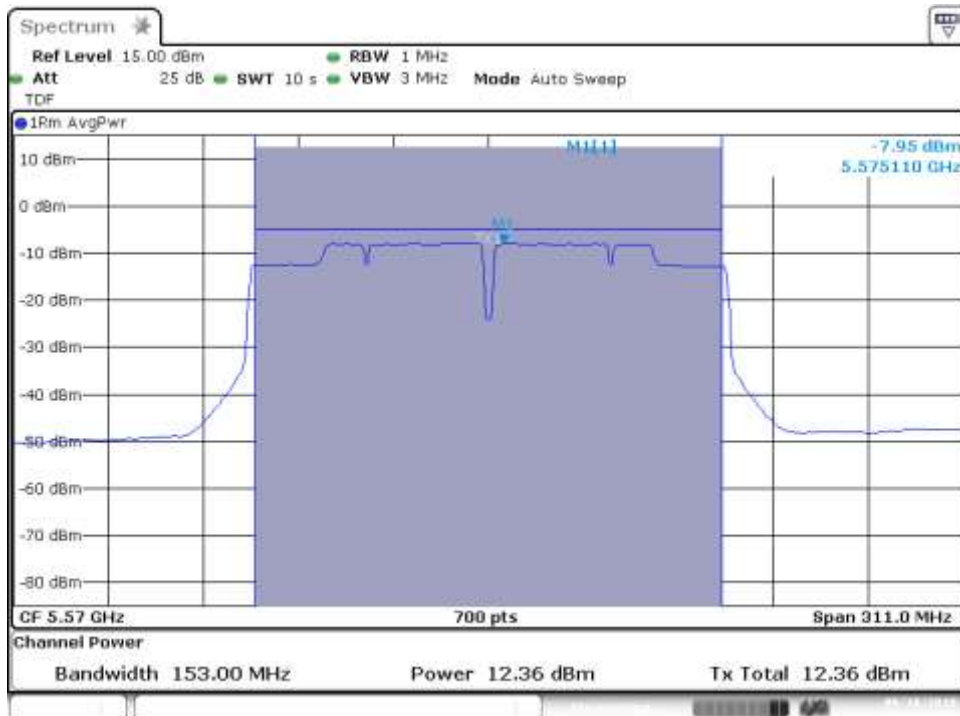
MIMO-A, 802.11ac160, VHT0

Channel 114



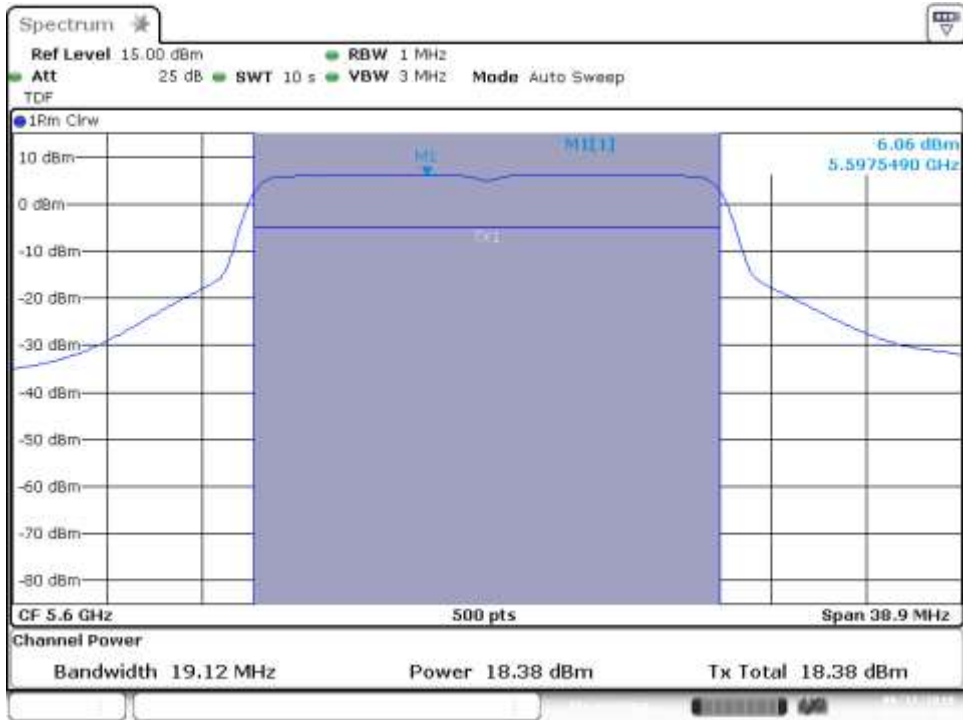
MIMO-B, 802.11ac160, VHT0

Channel 114



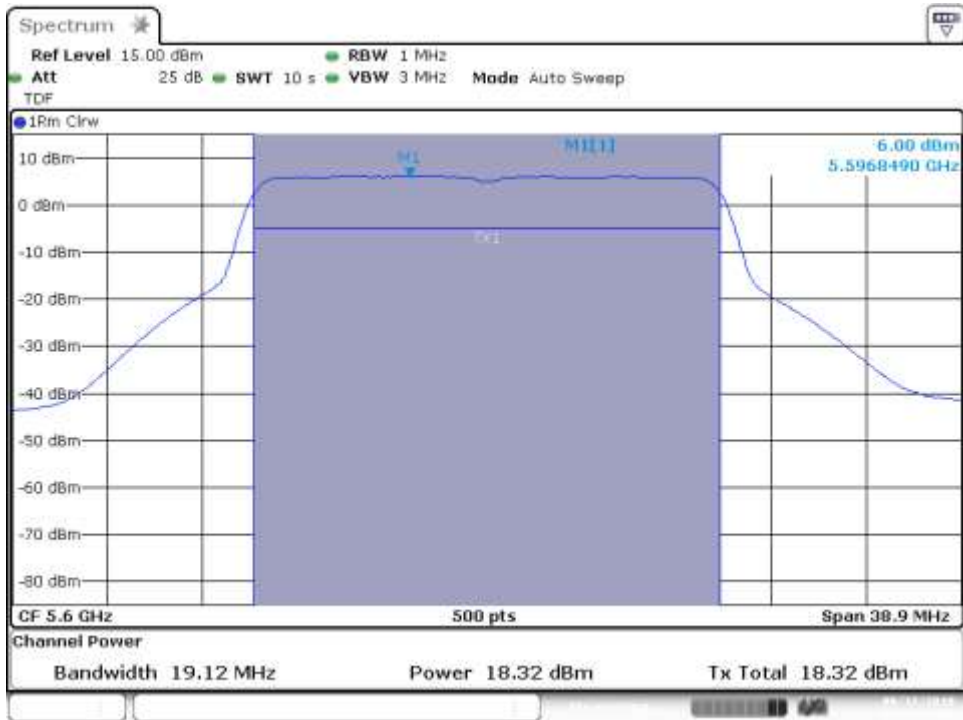
MIMO-A, 802.11ax20, HE0

Channel 120



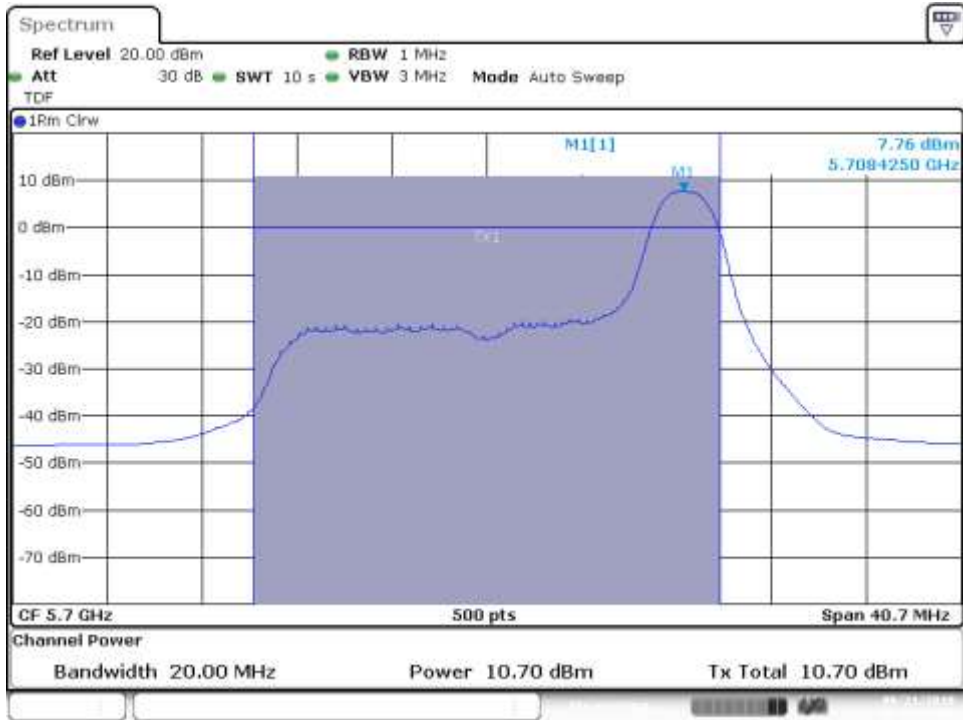
MIMO-B, 802.11ax20, HE0

Channel 120



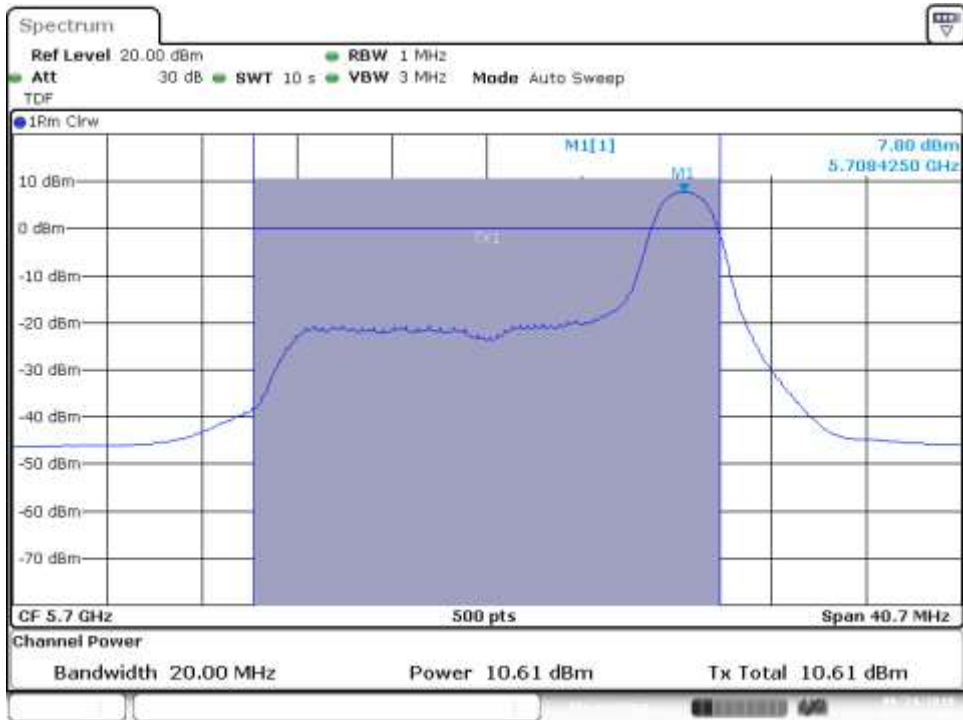
MIMO-A, 802.11ax20, HE0 RU26/8

Channel 140



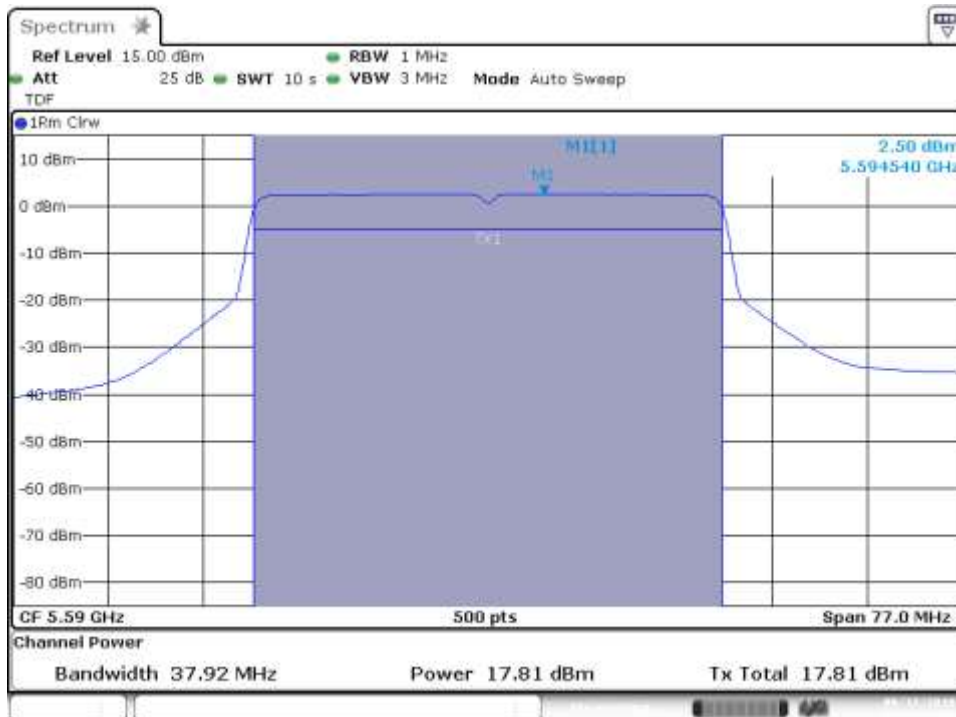
MIMO-B, 802.11ax20, HE0 RU26/8

Channel 140



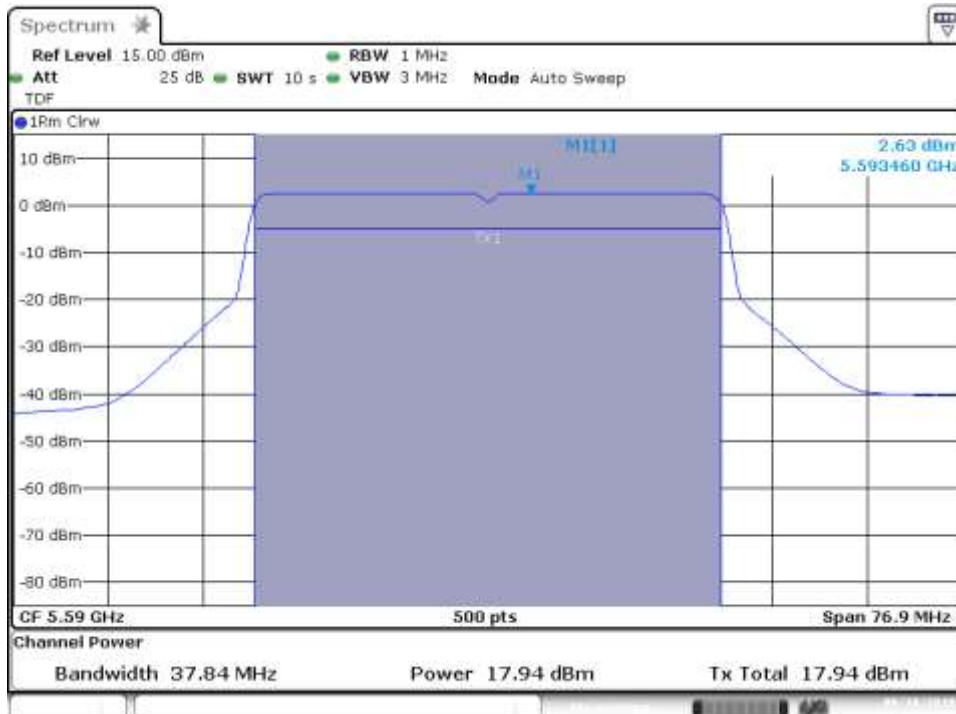
MIMO-A, 802.11ax40, HE0

Channel 118F



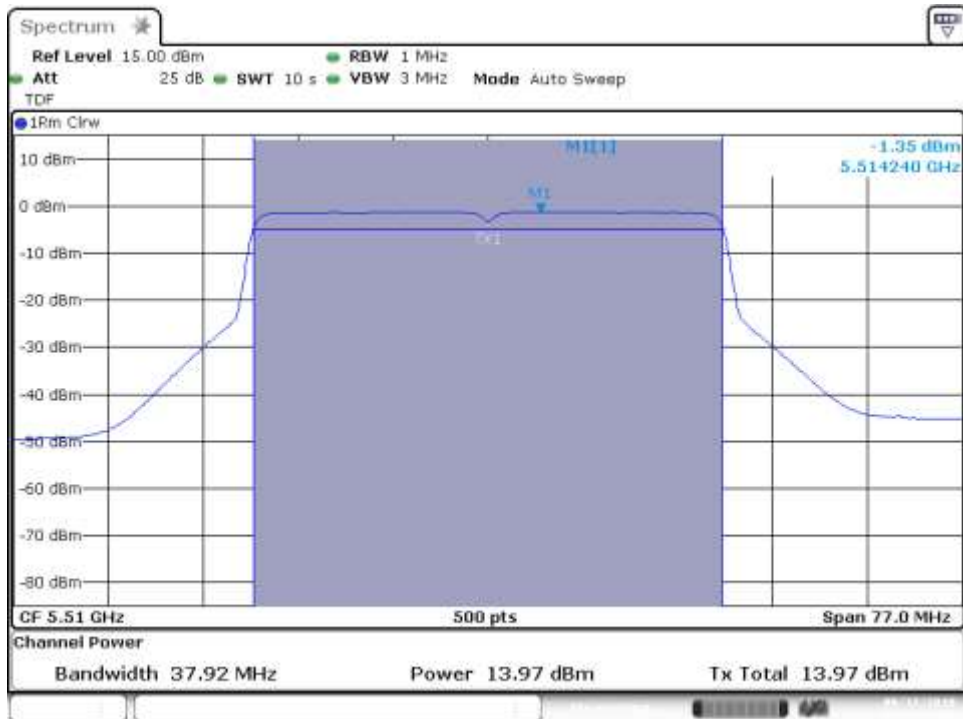
MIMO-B, 802.11ax40, HE0

Channel 118F



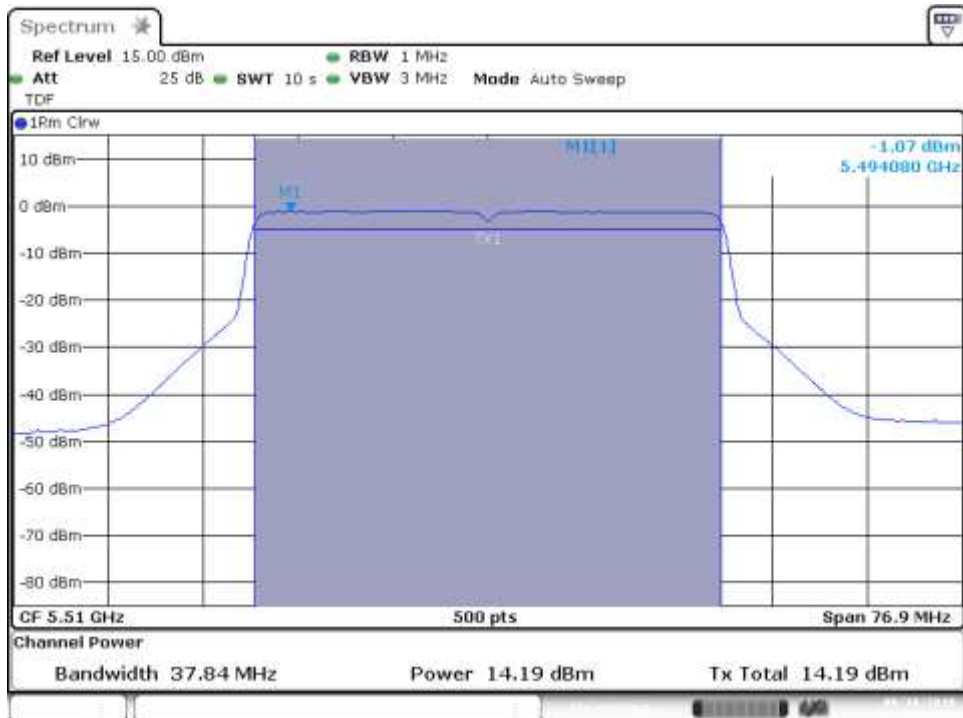
MIMO-A, 802.11ax40, HE0

Channel 102F



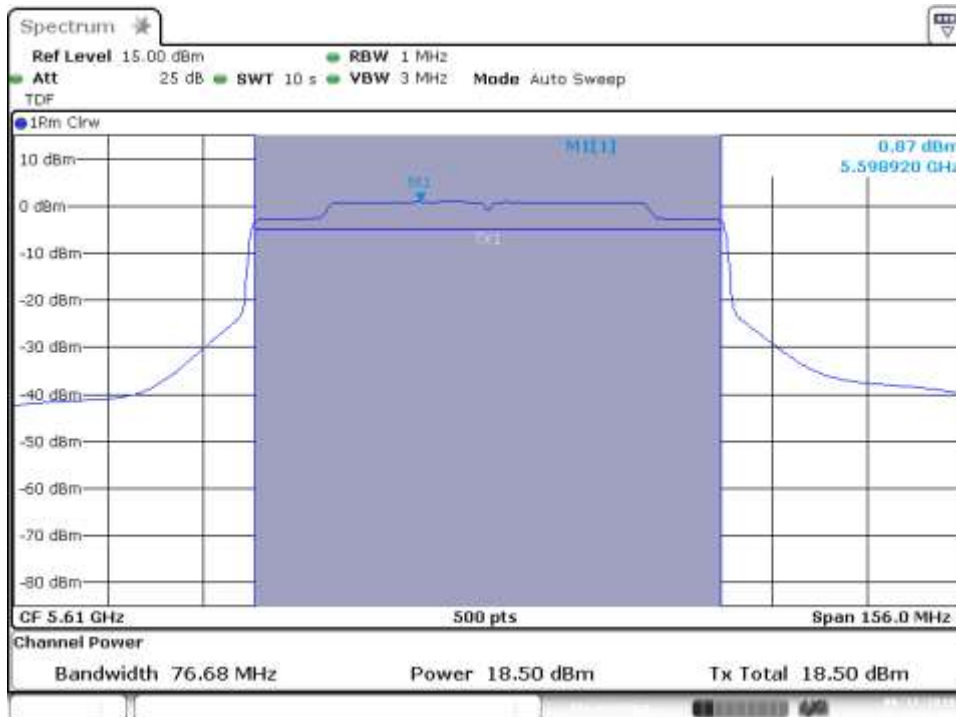
MIMO-B, 802.11ax40, HE0

Channel 102F



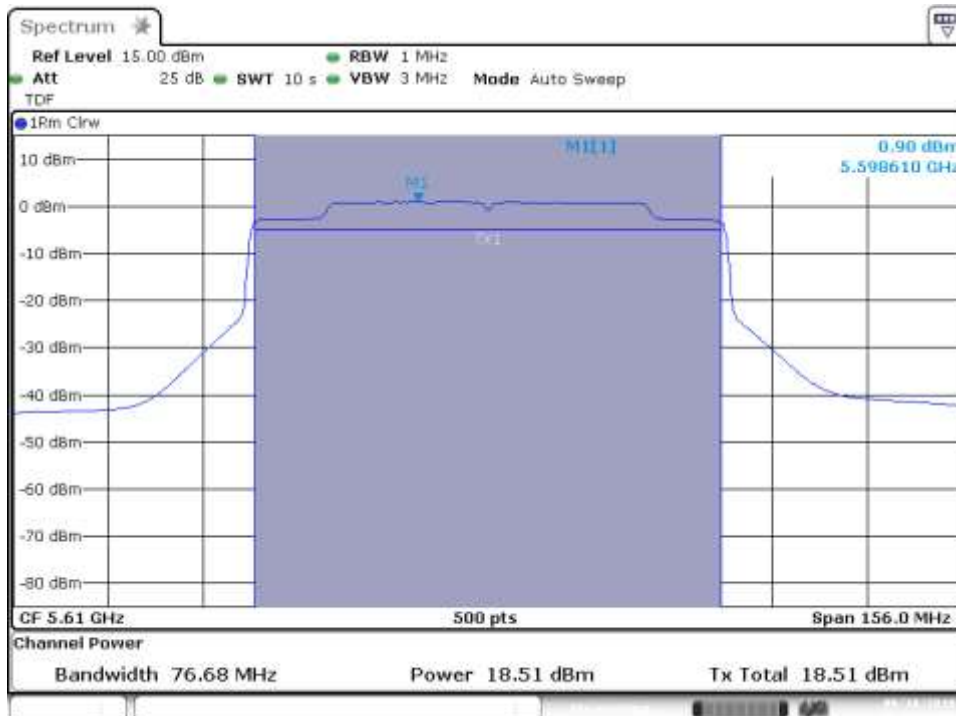
MIMO-A, 802.11ax80, HE0

Channel 122



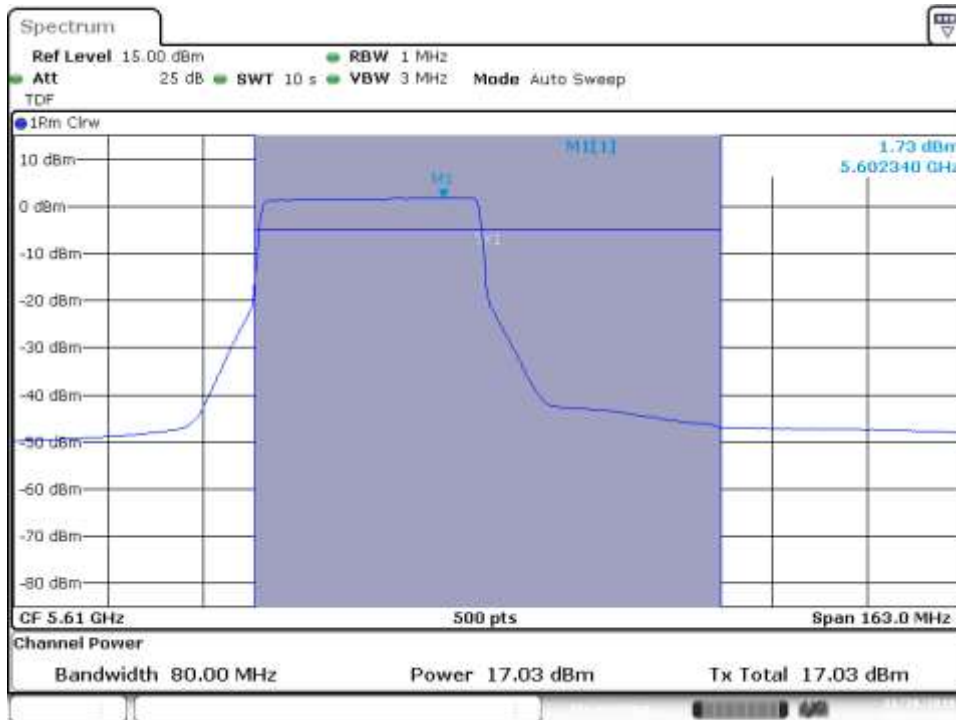
MIMO-B, 802.11ax80, HE0

Channel 122



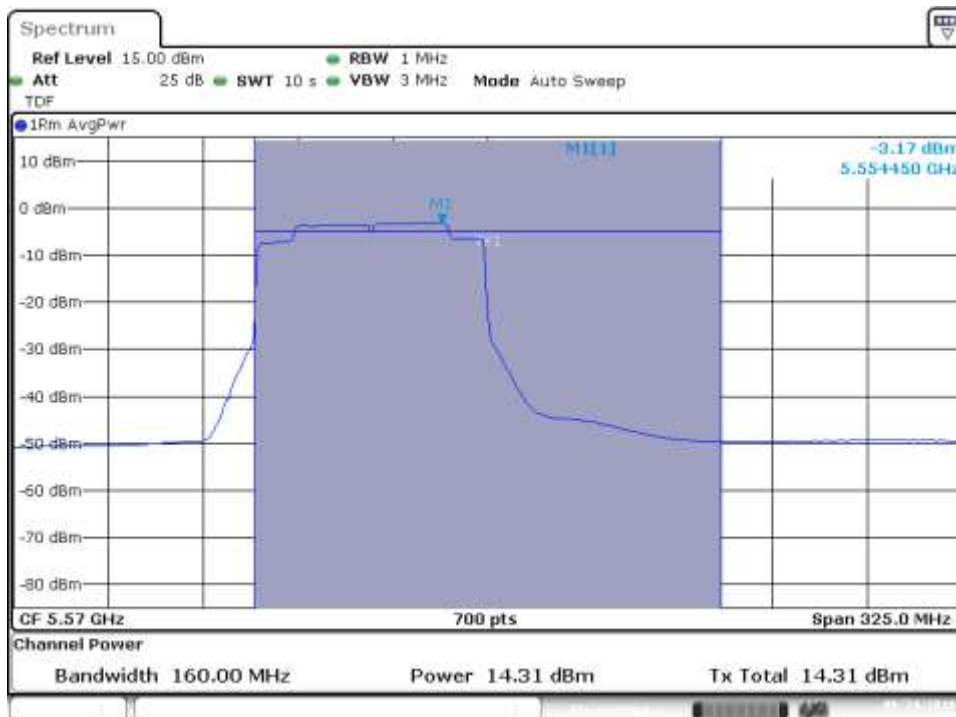
SISO-A, 802.11ax80, HE0 RU484/65

Channel 122



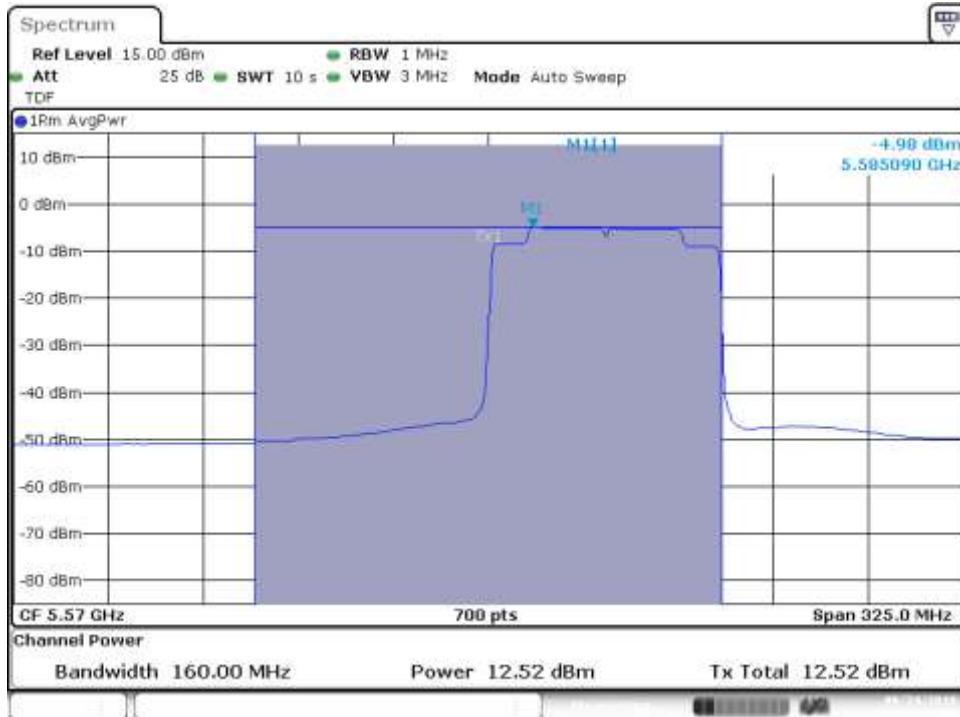
SISO-A, 802.11ax160, HE0 RU996/67

Channel 114



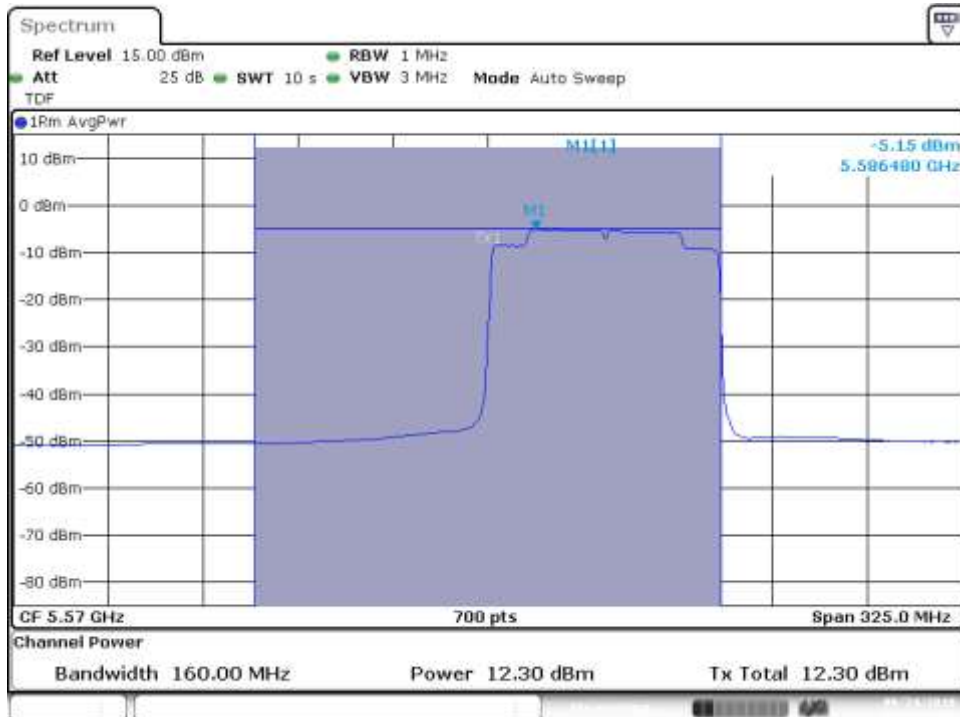
MIMO-A, 802.11ax160, HE0 RU996/S67

Channel 114



MIMO-B, 802.11ax160, HE0 RU996/S67

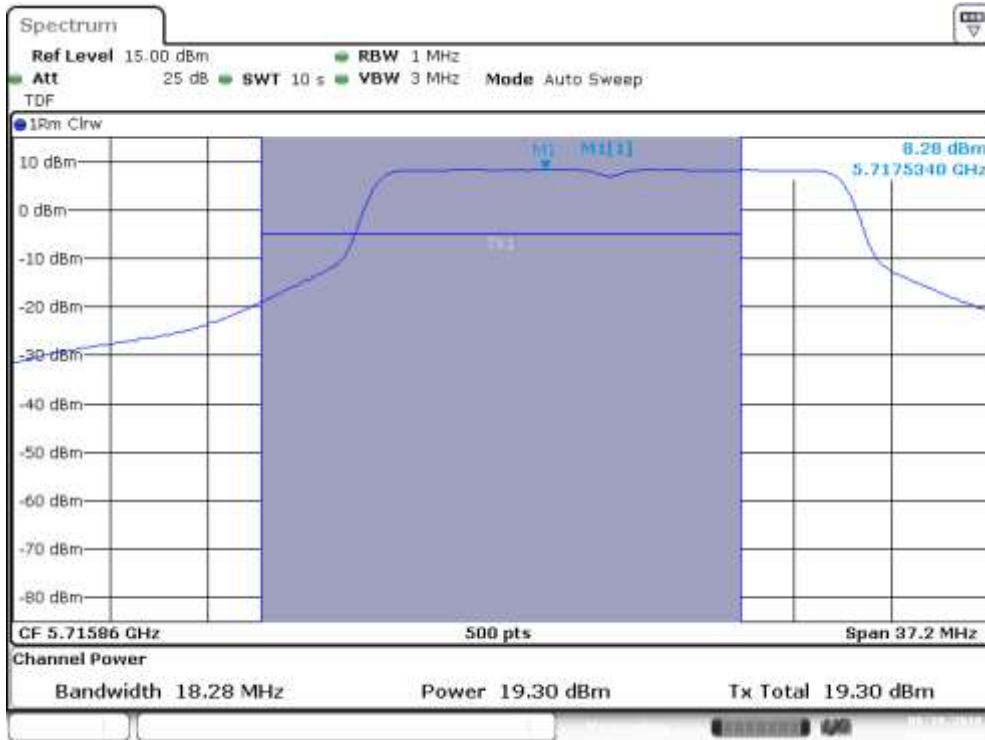
Channel 114



B.3.4 Maximum Output power & Maximum power spectral Density (Overlapped Channel)

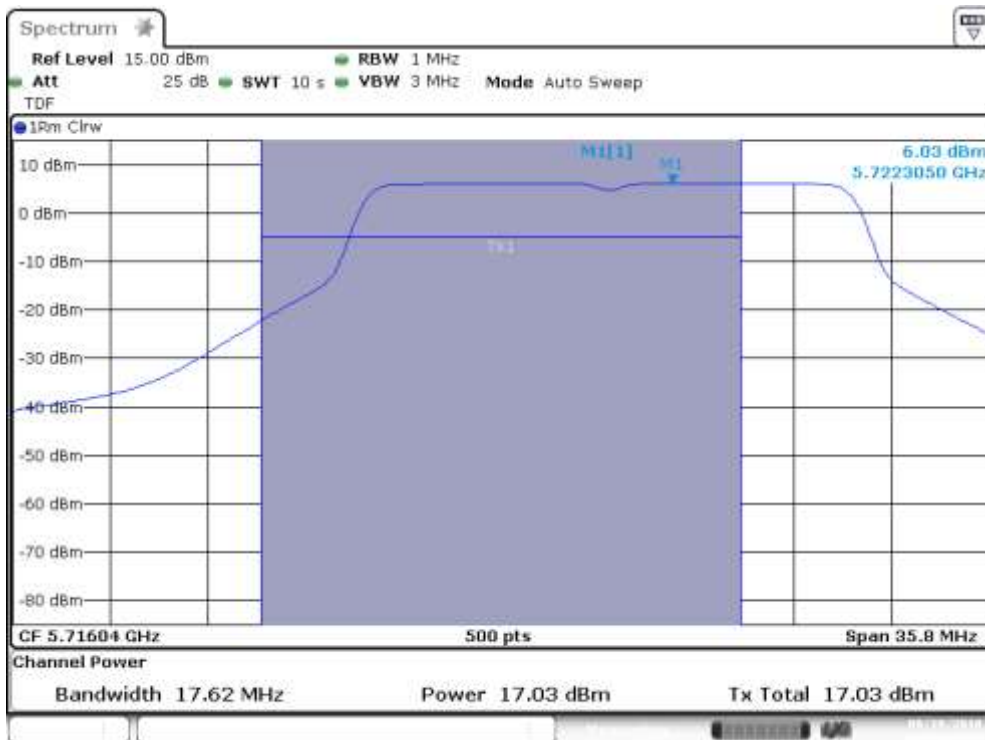
SISO-B, 802.11n20, HT0

Channel 144 (Overlapped Channel)



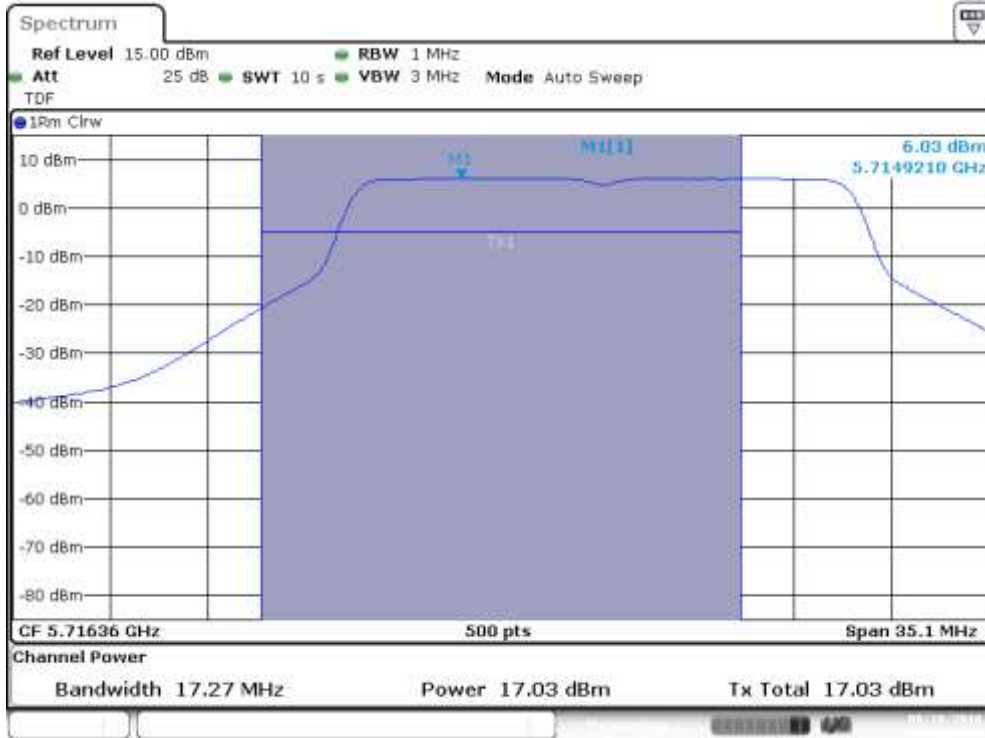
MIMO-A, 802.11n20, HT8

Channel 144 (Overlapped Channel)



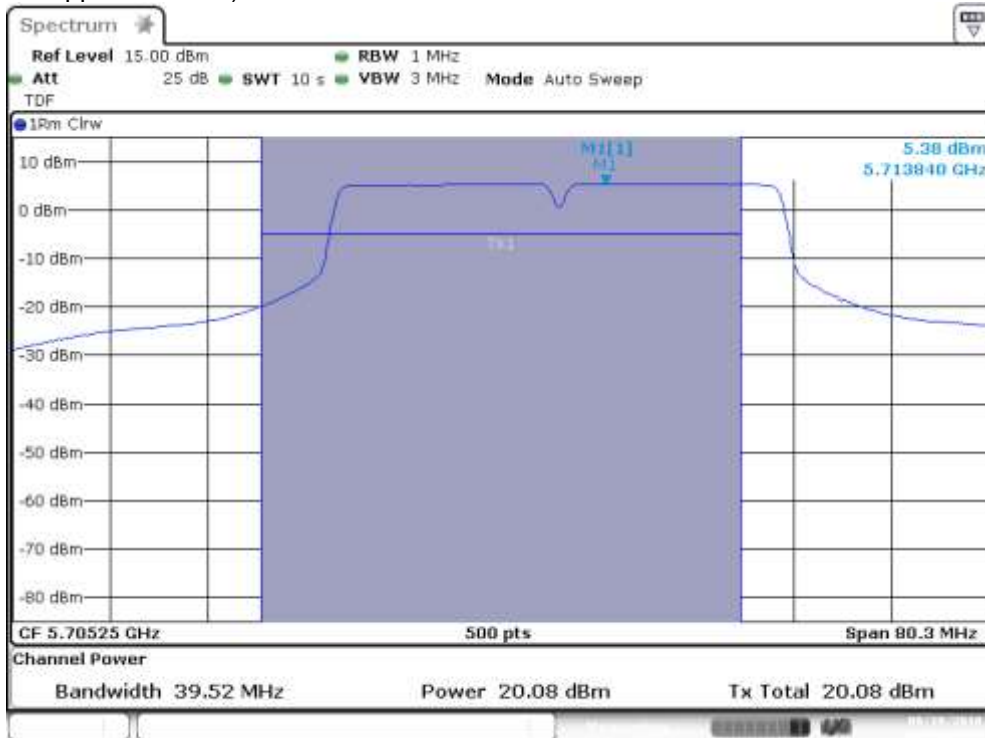
MIMO-B, 802.11n20, HT8

Channel 144 (Overlapped Channel)



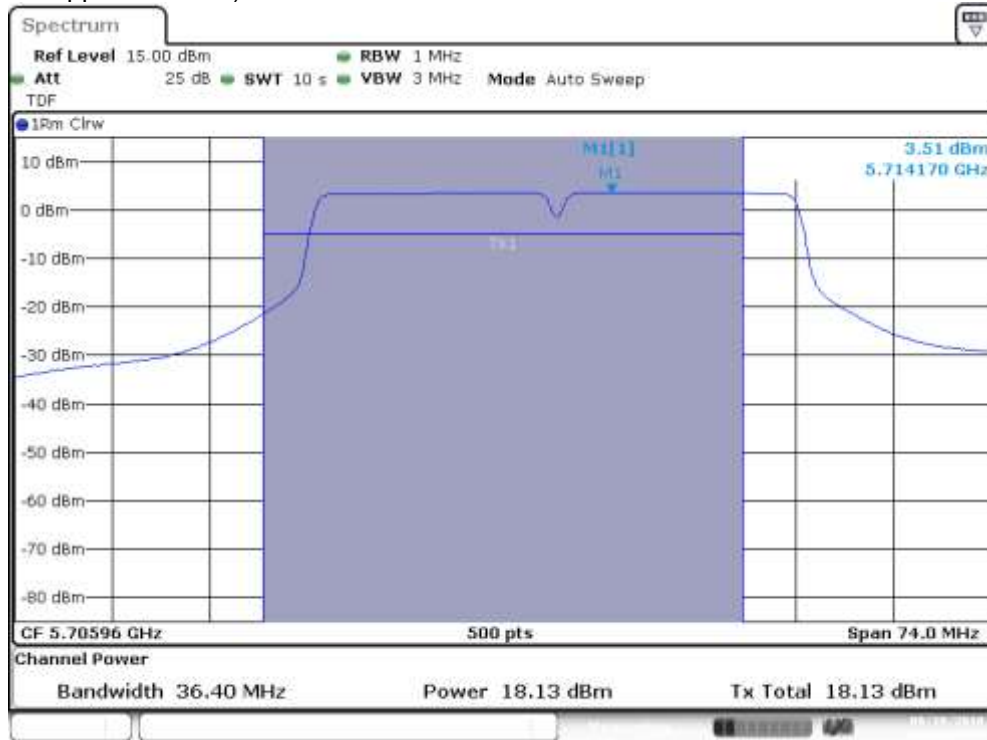
SISO-A, 802.11n40, HT0

Channel 142F (Overlapped Channel)



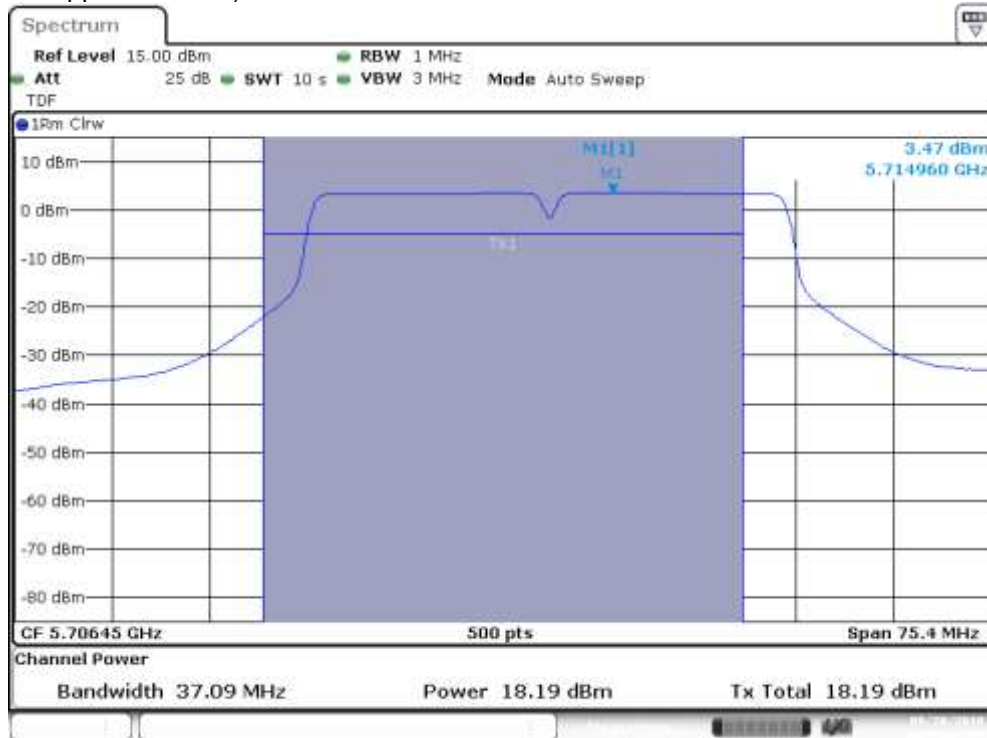
MIMO-A, 802.11n40, HT8

Channel 142F (Overlapped Channel)



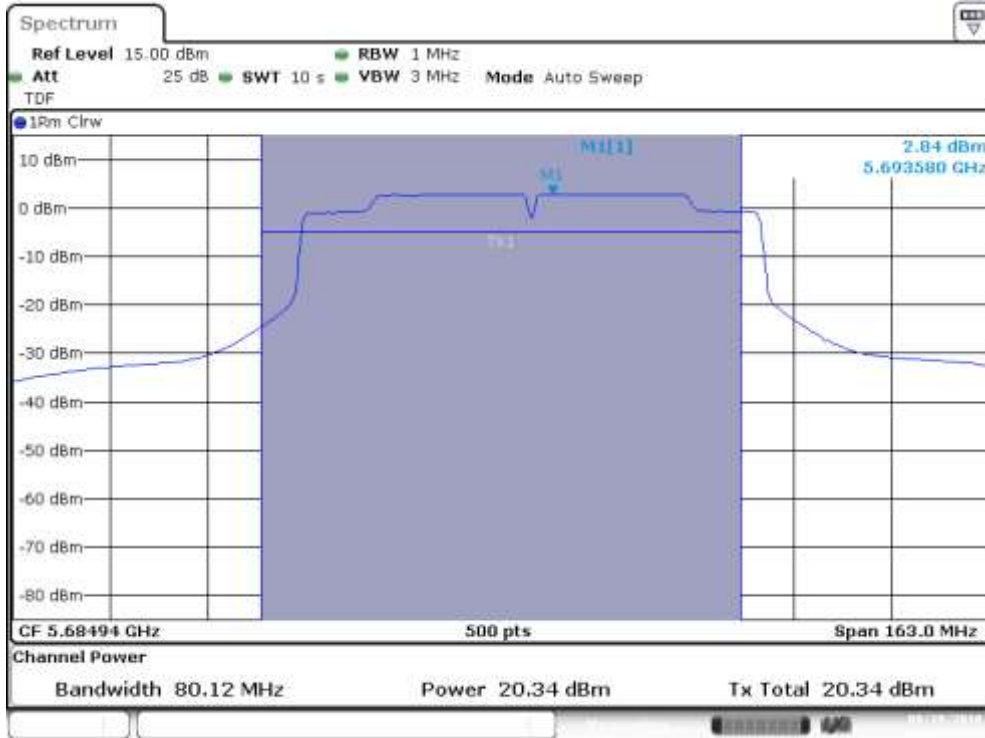
MIMO-B, 802.11n40, HT8

Channel 142F (Overlapped Channel)



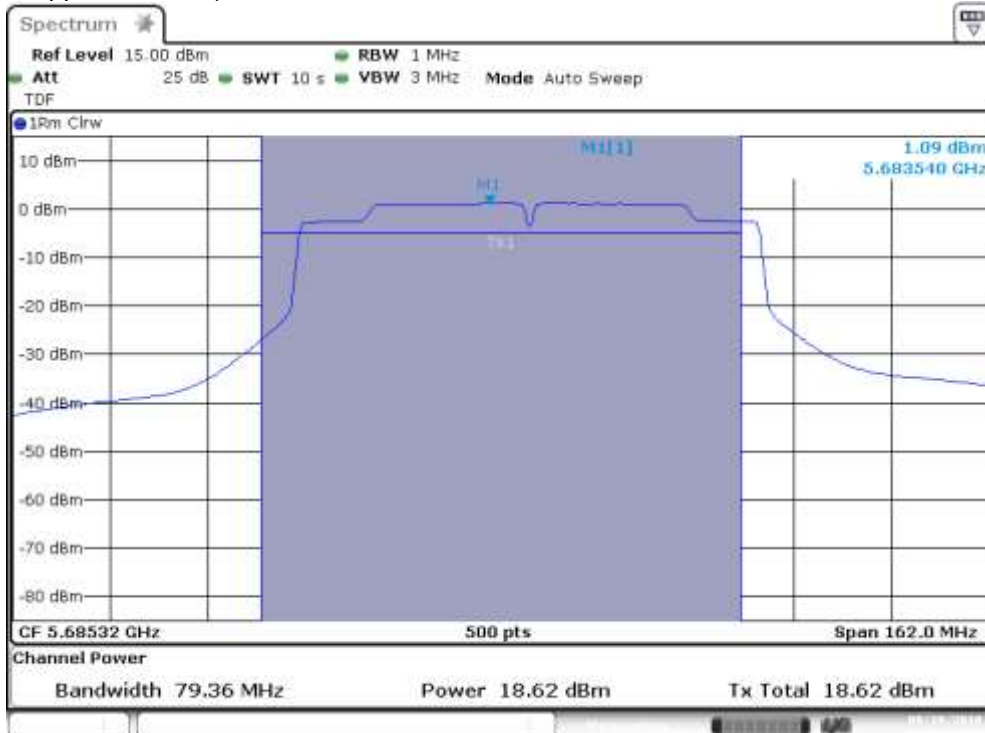
SISO-A, 802.11ac80, VHT0

Channel 138 (Overlapped Channel)



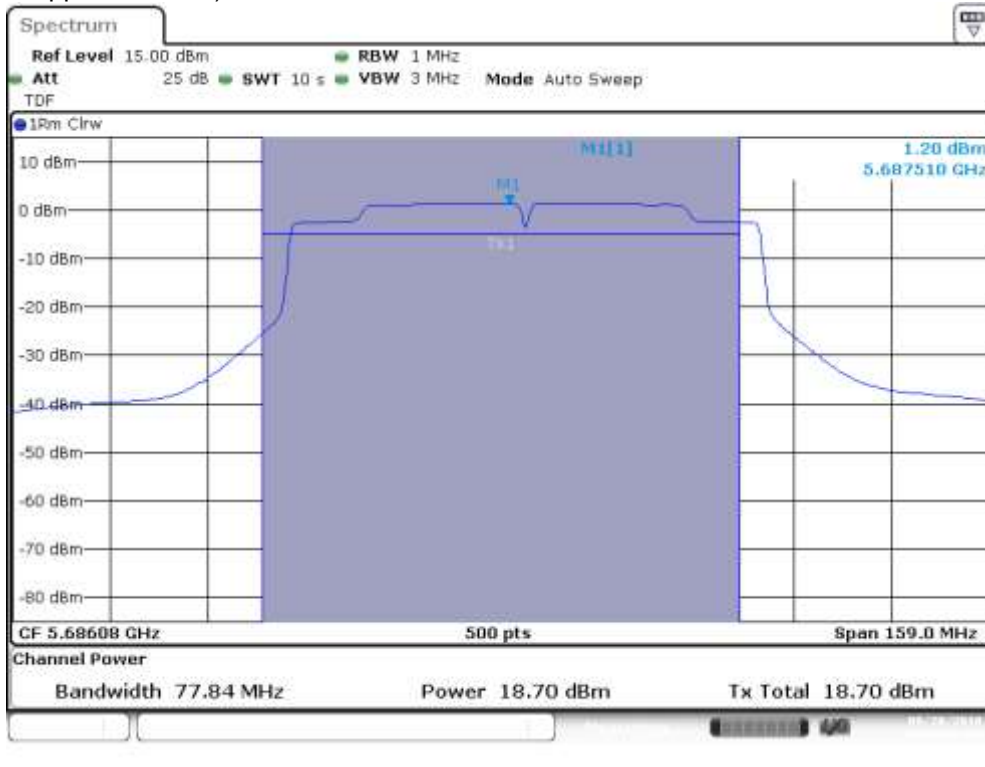
MIMO-A, 802.11ac80, VHT0

Channel 138 (Overlapped Channel)



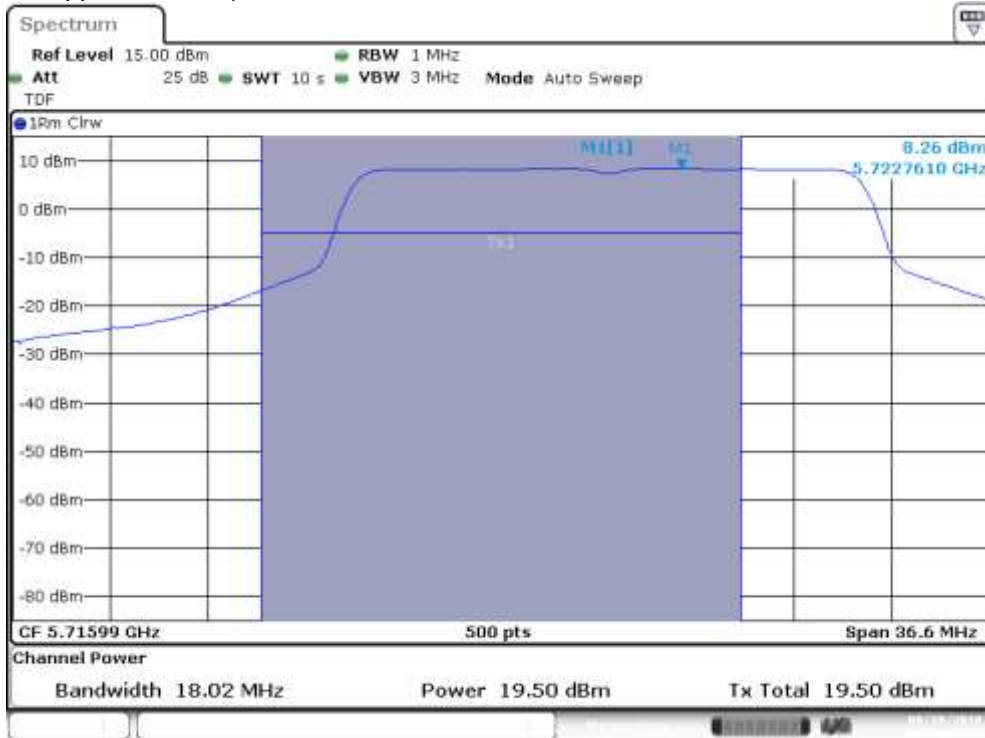
MIMO-B, 802.11ac80, VHT0

Channel 138 (Overlapped Channel)



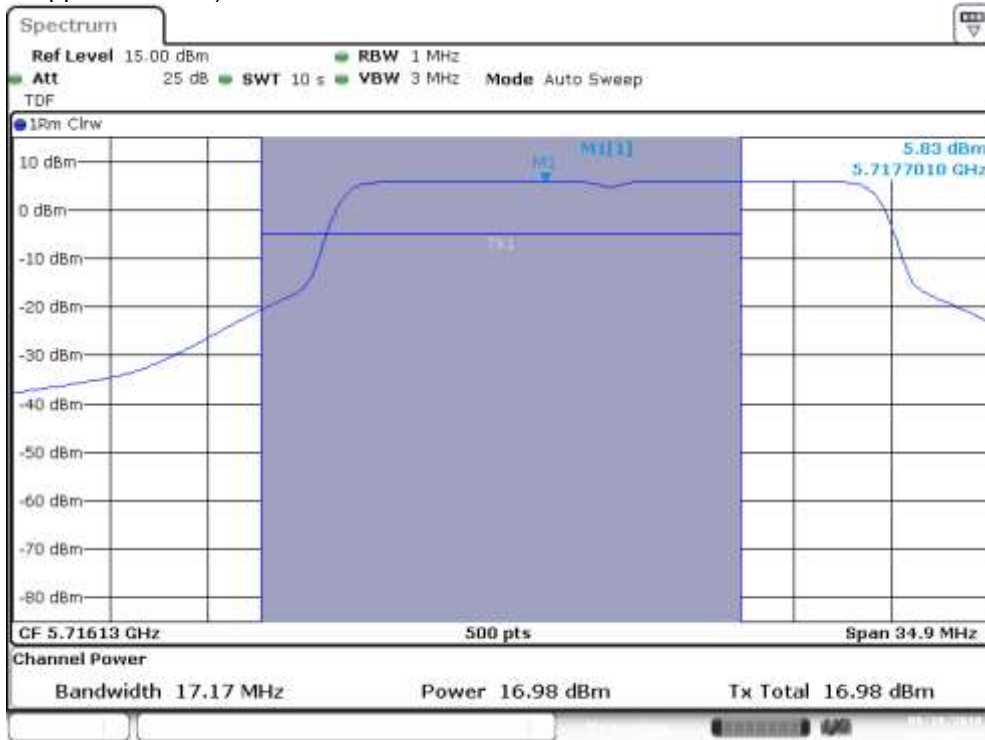
SISO-A, 802.11ax20, HE0

Channel 142F (Overlapped Channel)



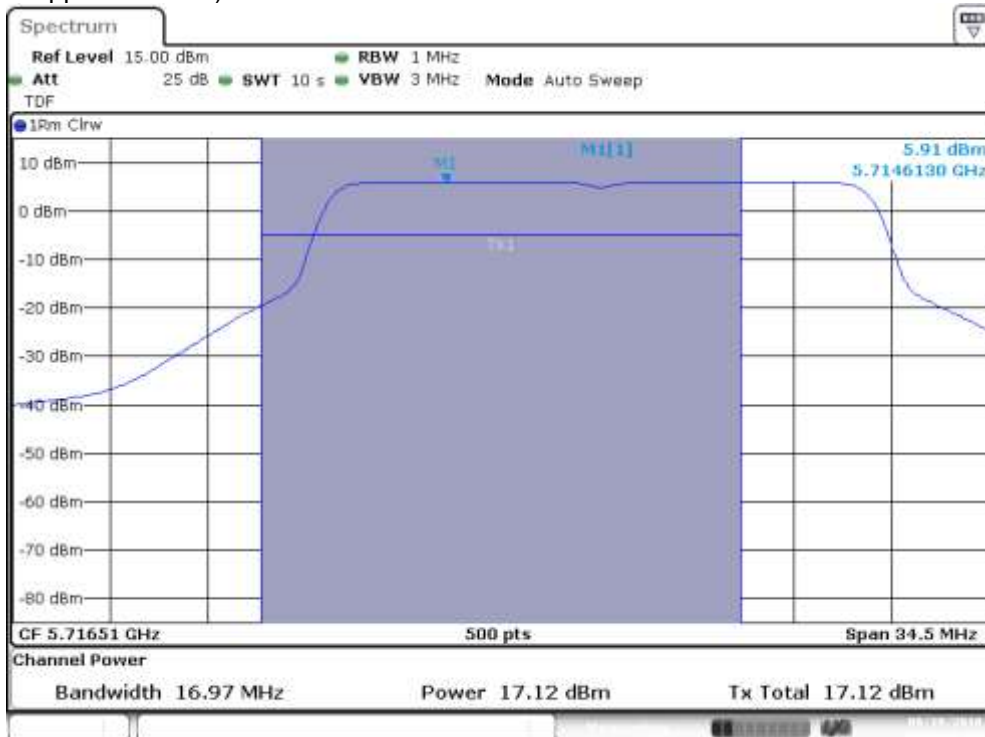
MIMO-A, 802.11ax20, HE0

Channel 144 (Overlapped Channel)



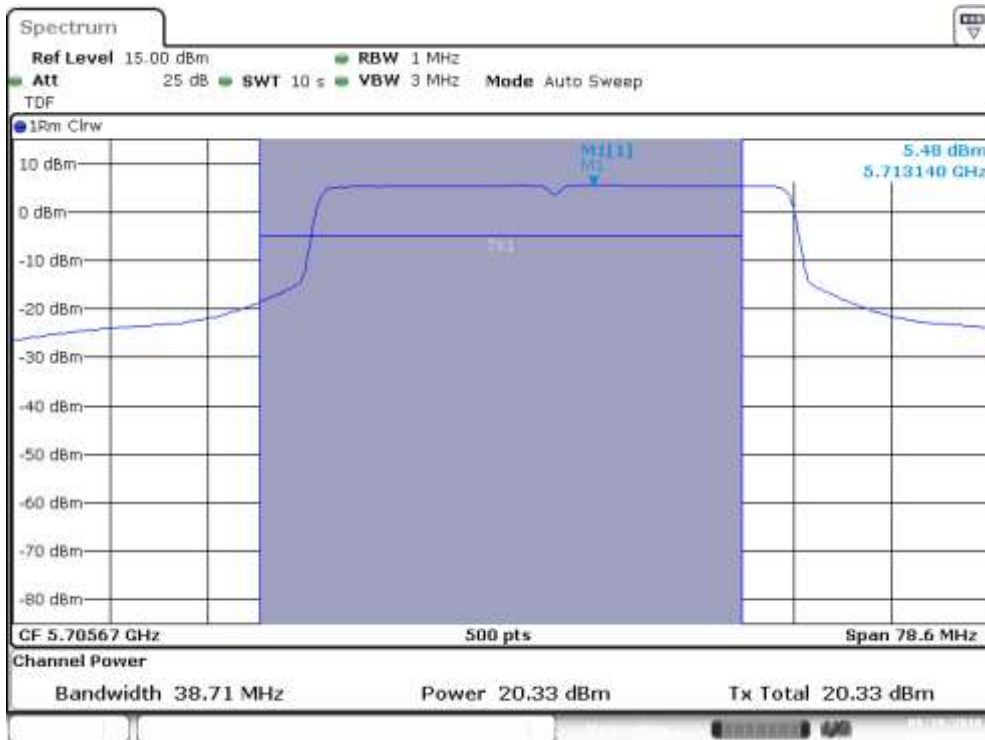
MIMO-B, 802.11ax20, HE0

Channel 144 (Overlapped Channel)



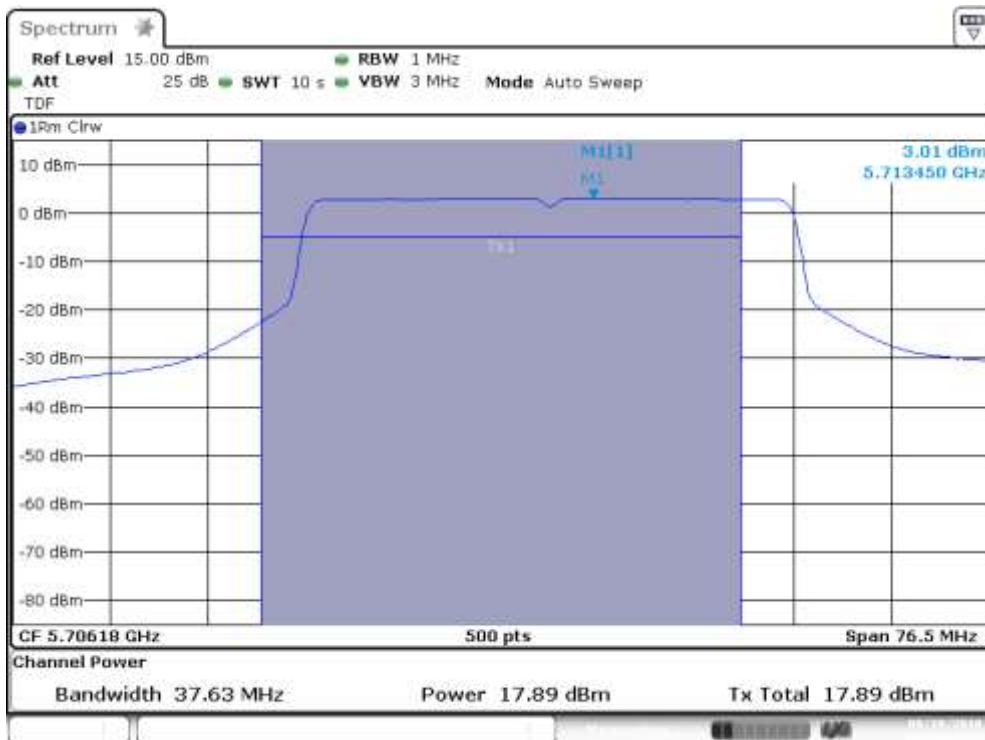
SISO-A, 802.11ax40, HE0

Channel 142F (Overlapped Channel)



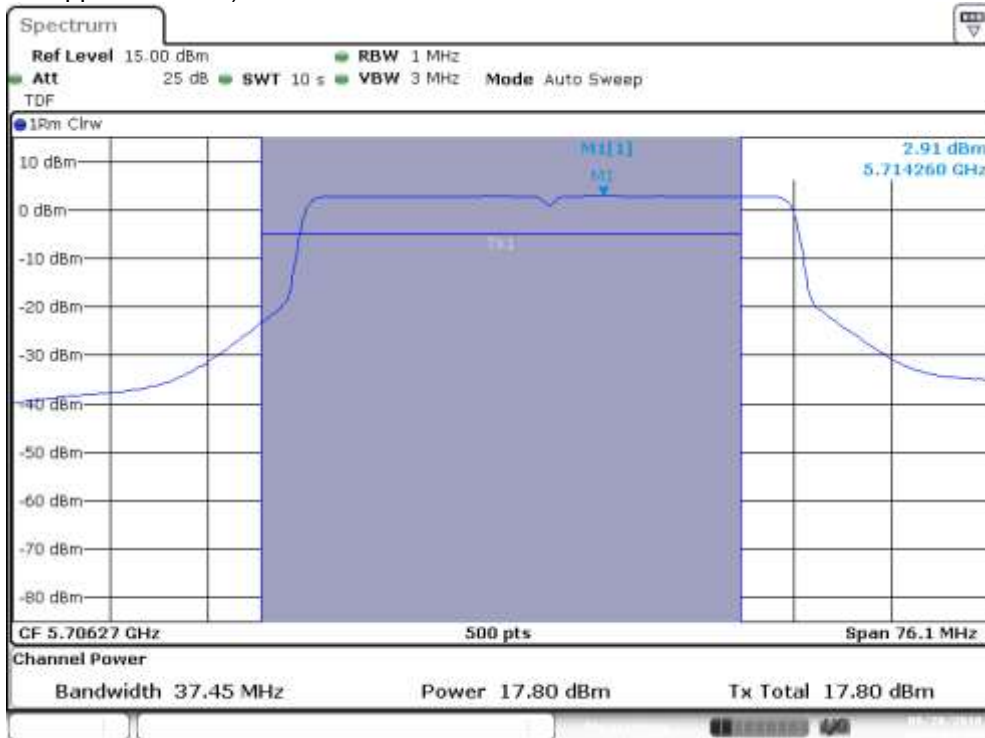
MIMO-A, 802.11ax40, HE0

Channel 142F (Overlapped Channel)



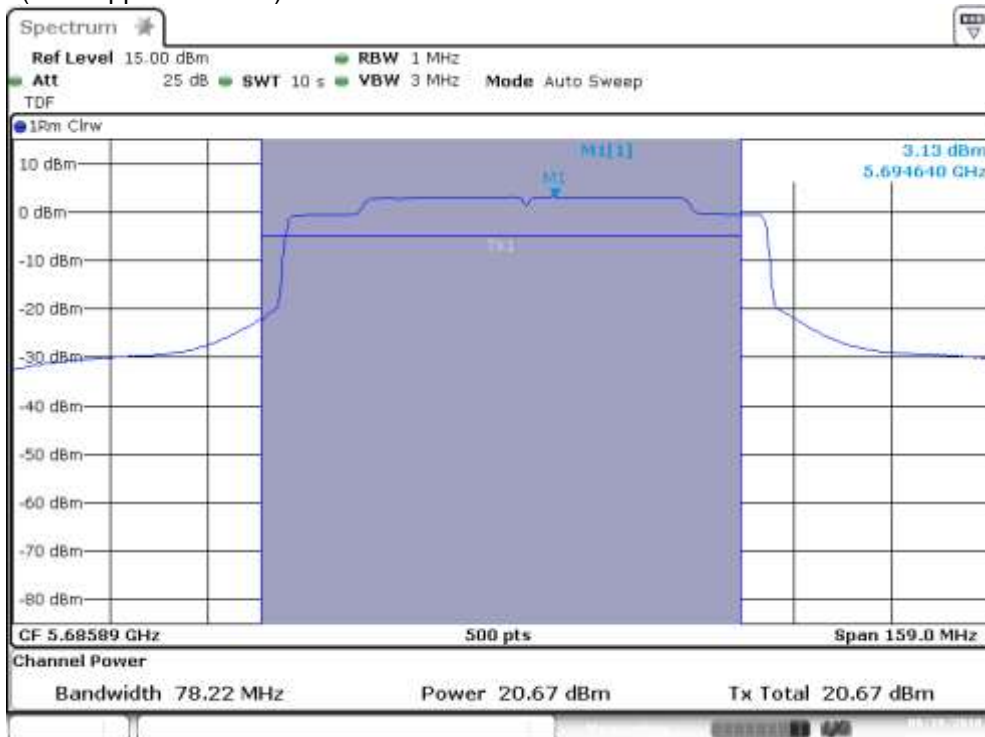
MIMO-B, 802.11ax40, HE0

Channel 142F (Overlapped Channel)



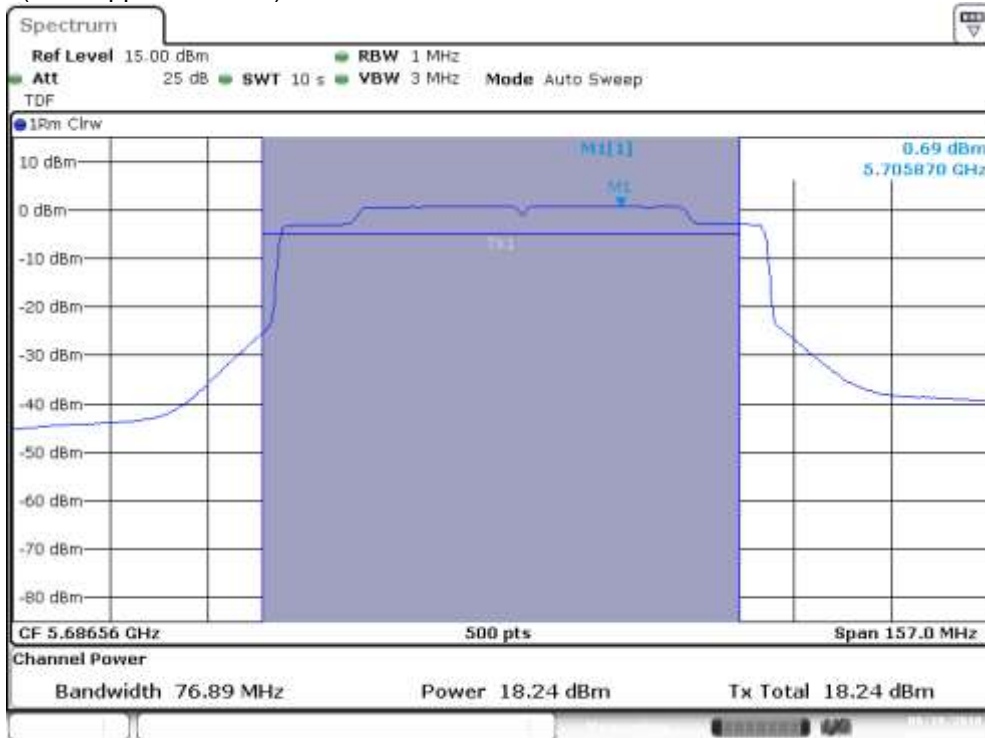
SISO-A, 802.11ax80, HE0

Channel 138he80 (Overlapped Channel)



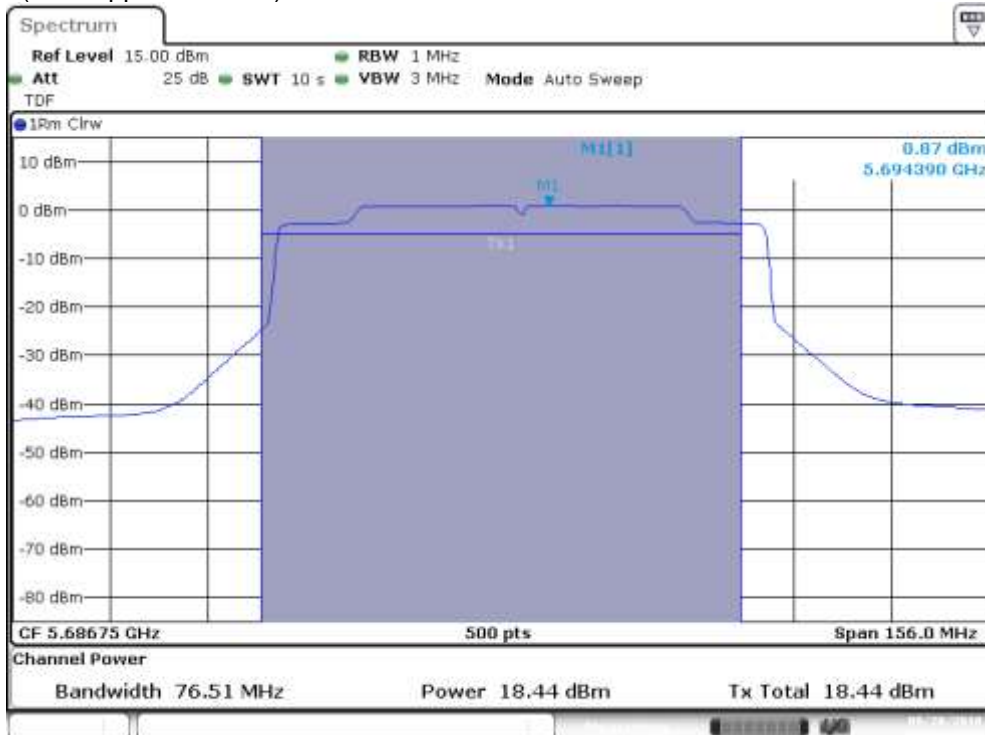
MIMO-A, 802.11ax80, HE0

Channel 138he80 (Overlapped Channel)



MIMO-B, 802.11ax80, HE0

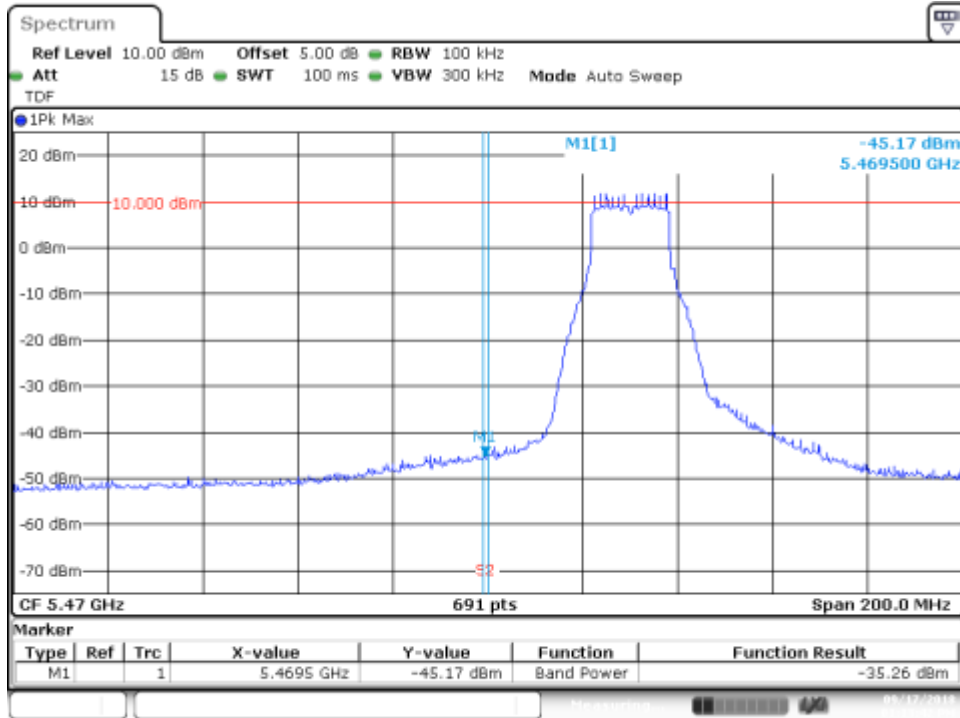
Channel 138he80 (Overlapped Channel)



B.3.5 Indesirable emission limits : Band Edge (Conducted)

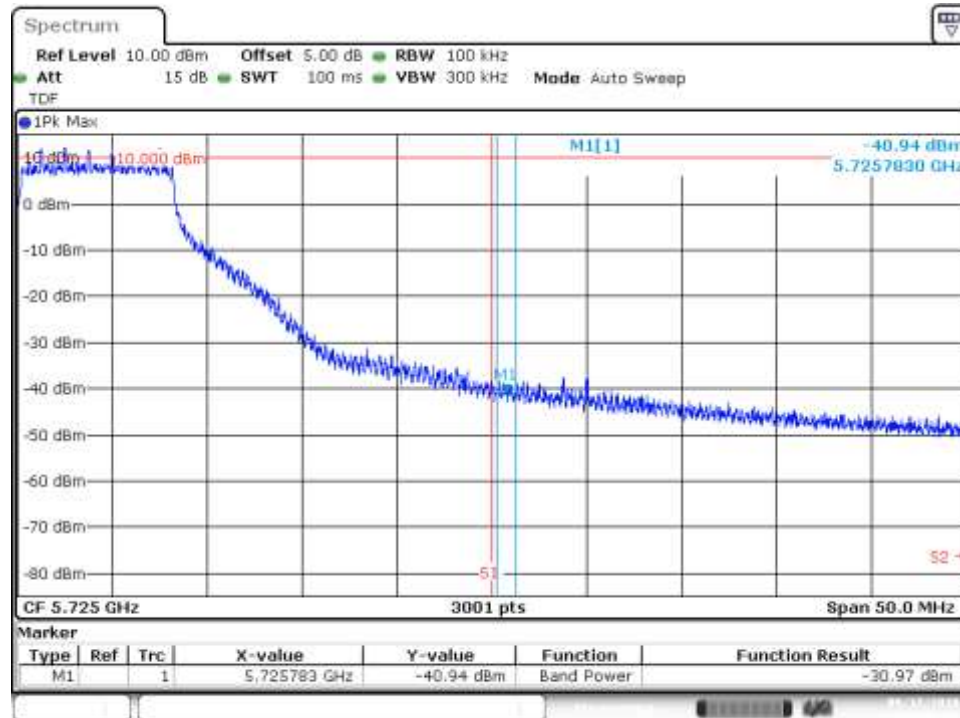
802.11a, 6Mbps – Chain A

BE Low Freq Section, Peak – CH100



Date: 17.SEP.2018 13:13:42

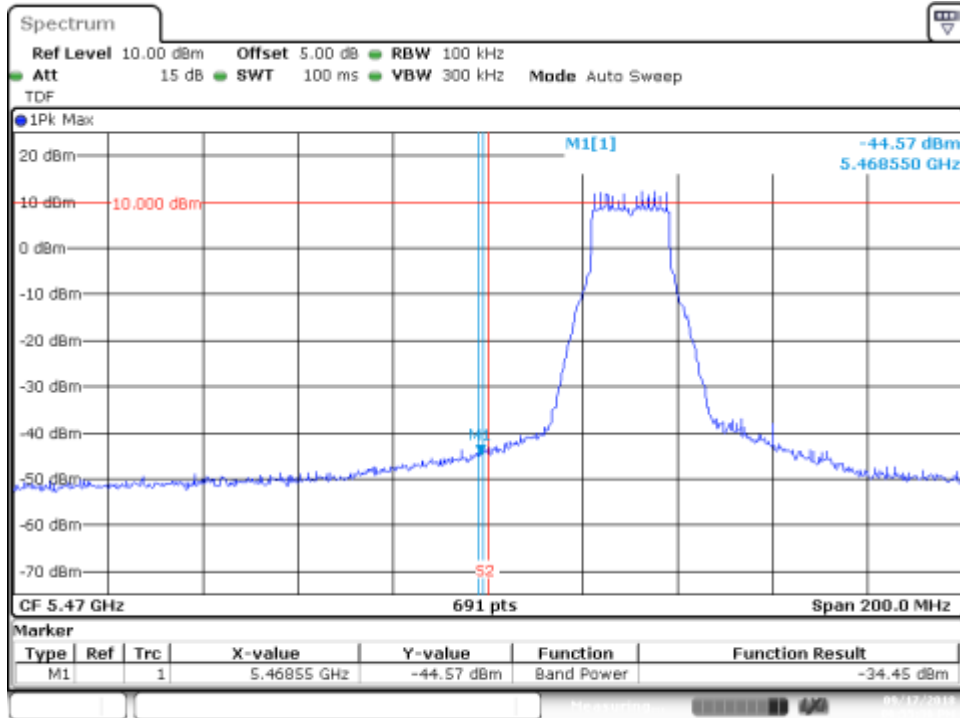
BE High Freq Section, Peak – CH140



Date: 17.SEP.2018 13:33:36

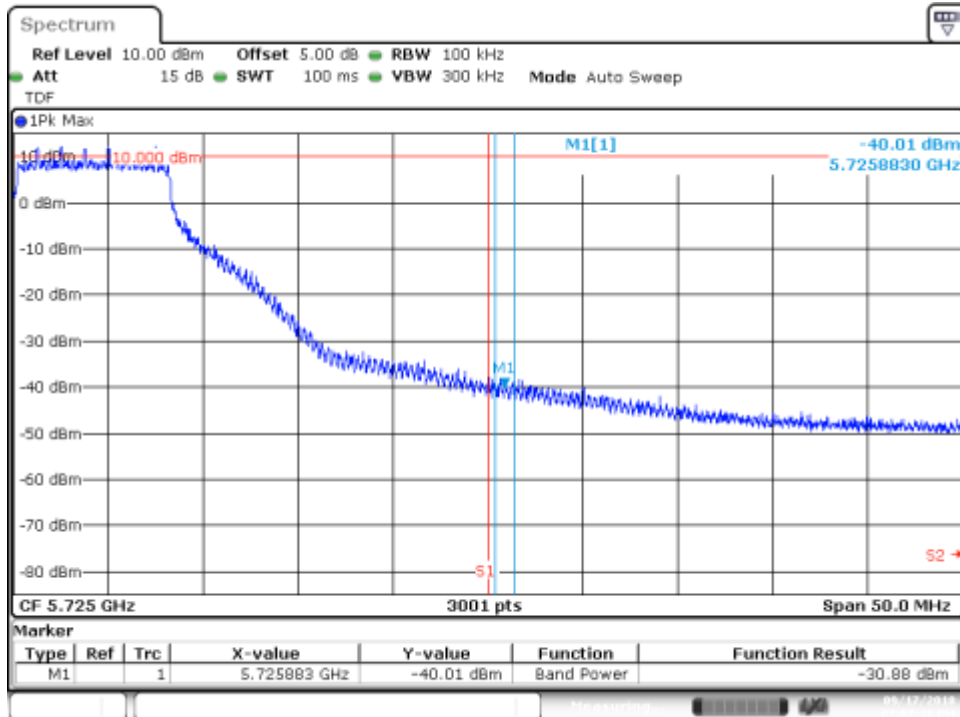
802.11a, 6Mbps – Chain B

BE Low Freq Section, Peak – CH100



Date: 17.SEP.2018 18:55:36

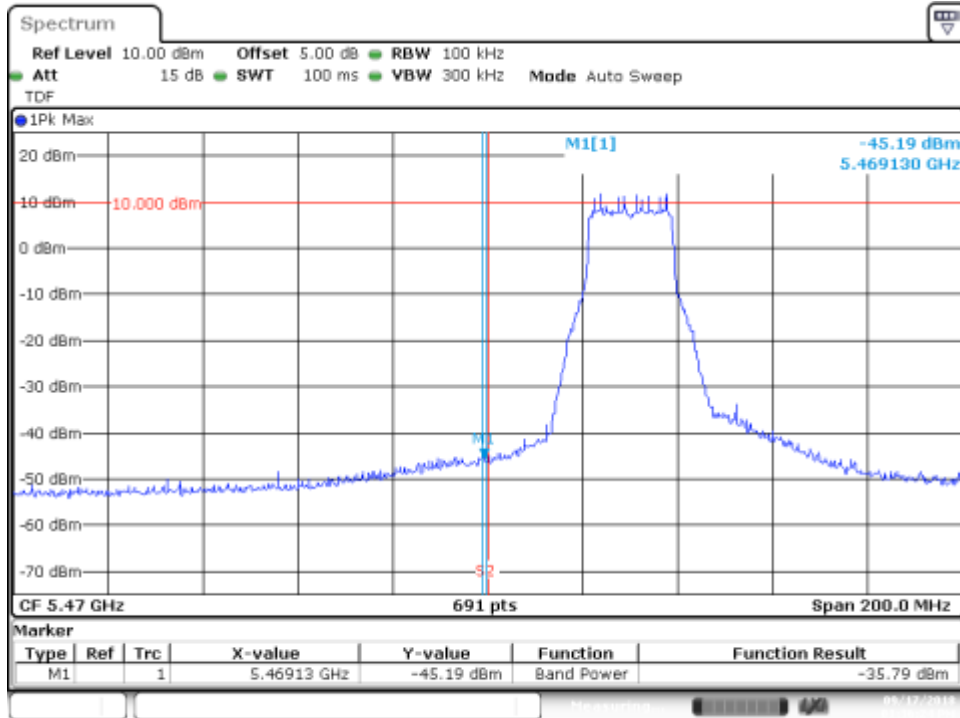
BE High Freq Section, Peak – CH140



Date: 17.SEP.2018 19:07:16

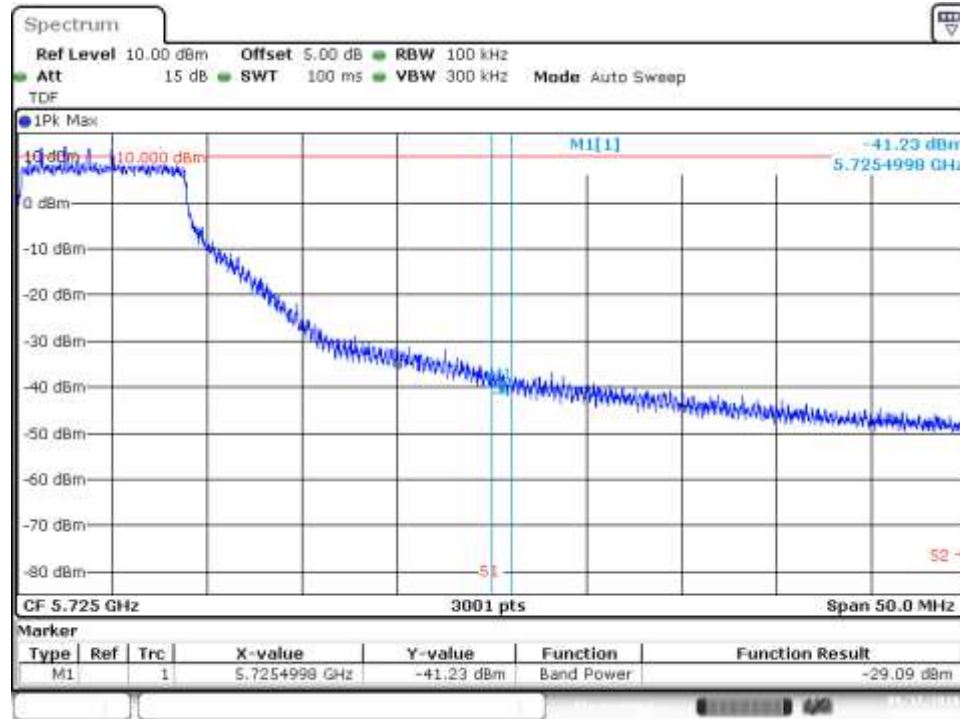
802.11n20, HT0 (SISO) – Chain A

BE Low Freq Section, Peak – CH100



Date: 17.SEP.2018 13:38:24

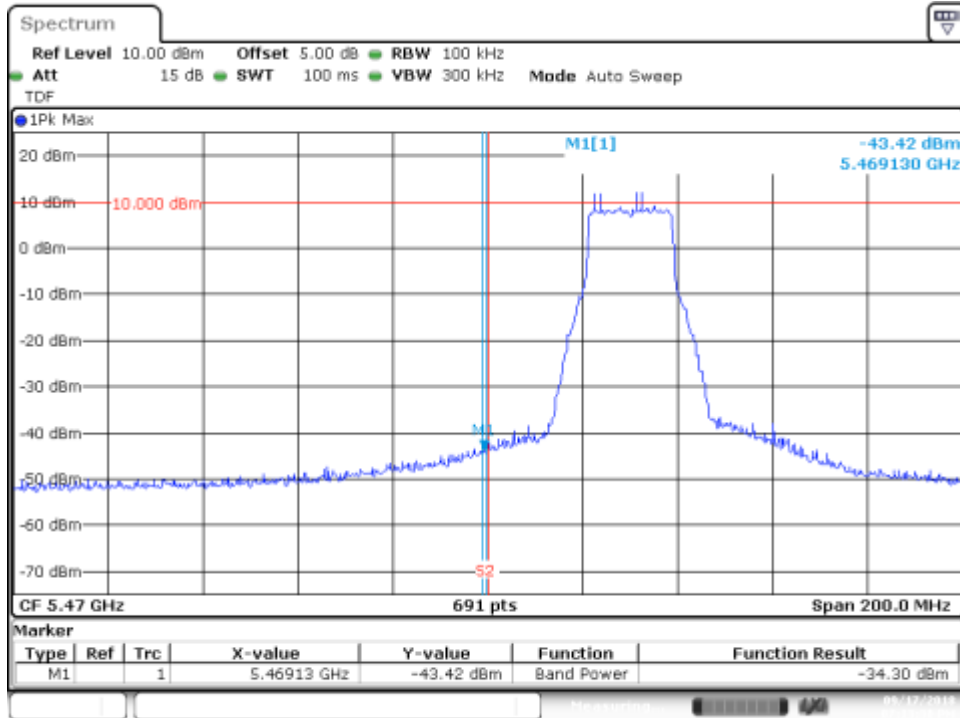
BE High Freq Section, Peak – CH140



Date: 17.SEP.2018 14:06:01

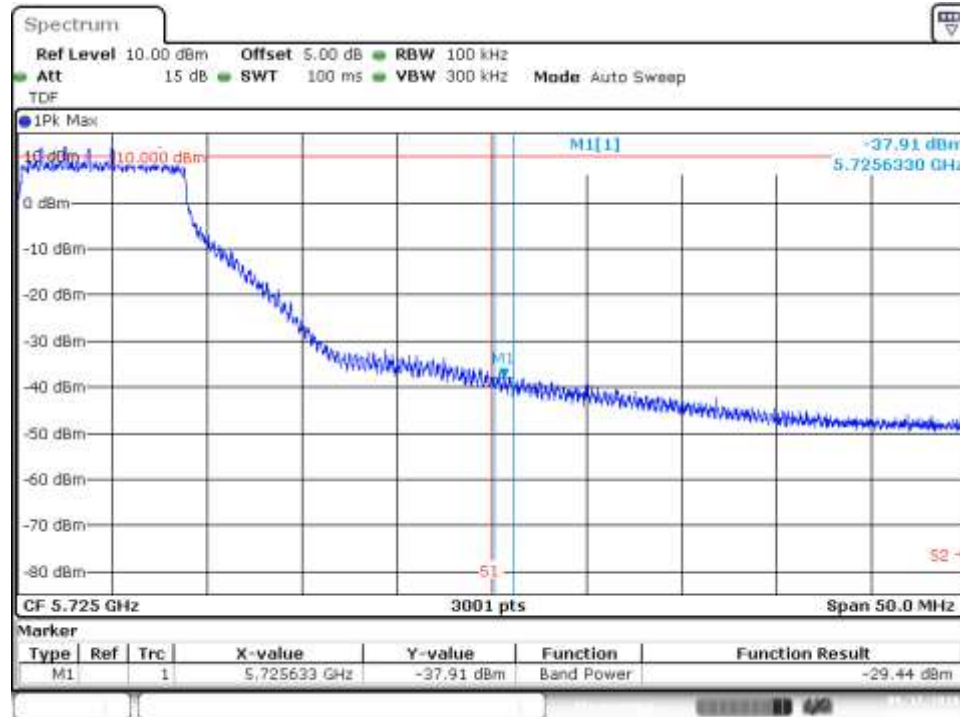
802.11n20, HT0 (SISO) – Chain B

BE Low Freq Section, Peak – CH100



Date: 17.SEP.2018 19:13:38

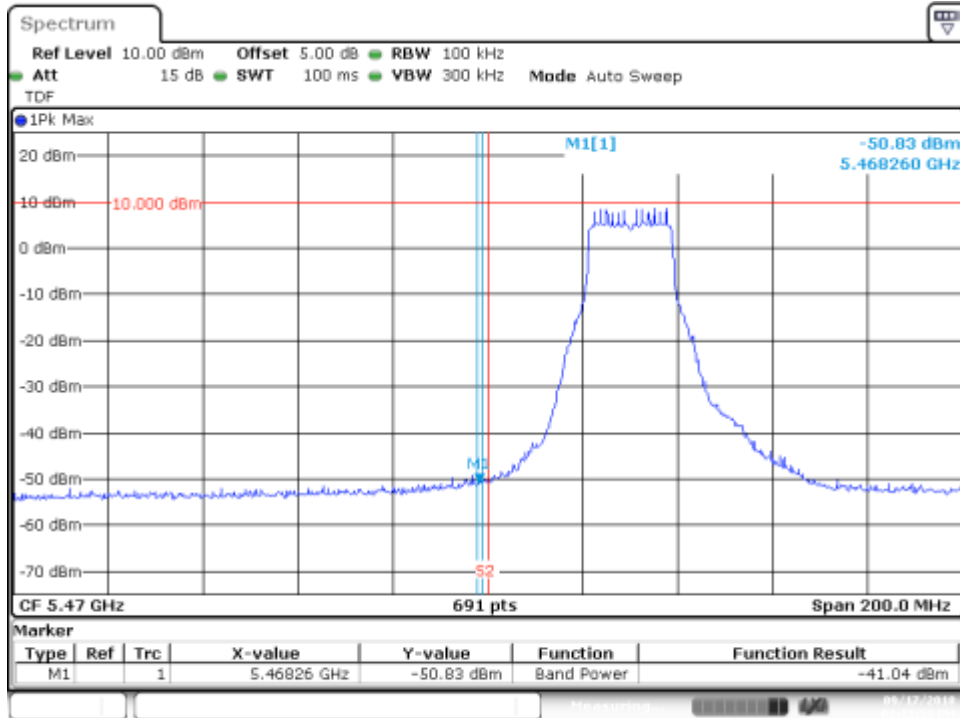
BE High Freq Section, Peak – CH140



Date: 17.SEP.2018 19:24:55

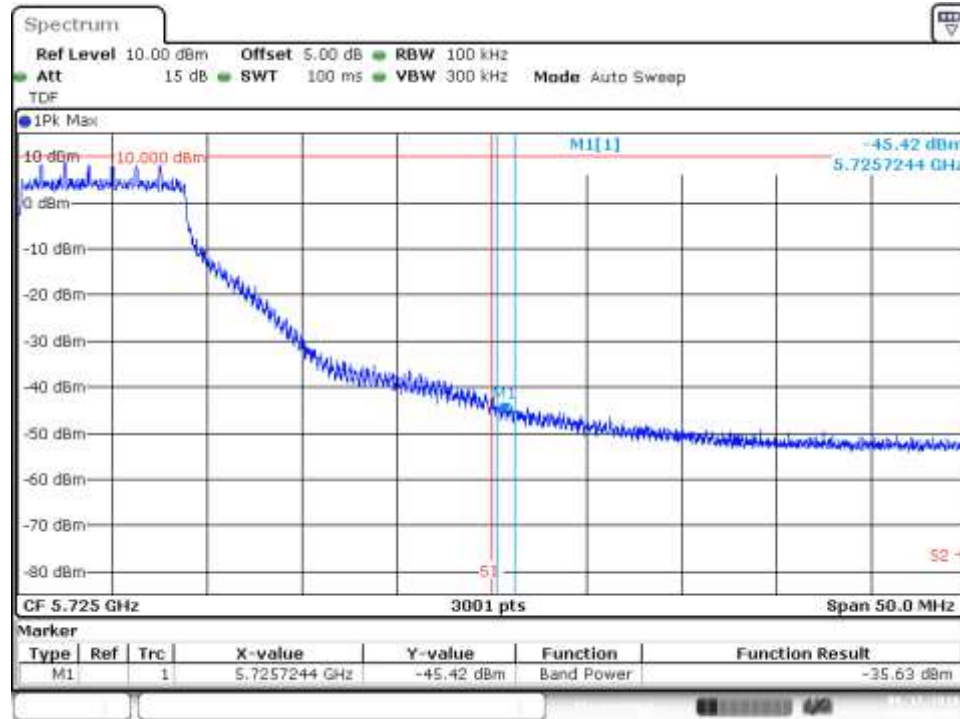
802.11n20, HT8 (MIMO) – Chain A

BE Low Freq Section, Peak – CH100



Date: 17.SEP.2018 14:12:53

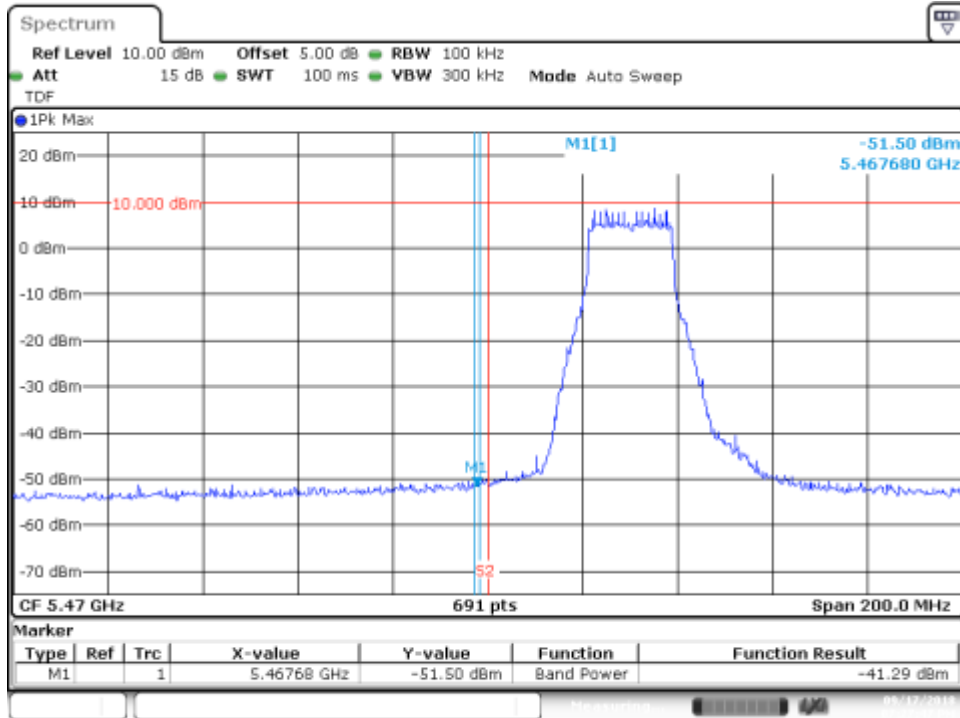
BE High Freq Section, Peak – CH140



Date: 17.SEP.2018 14:30:07

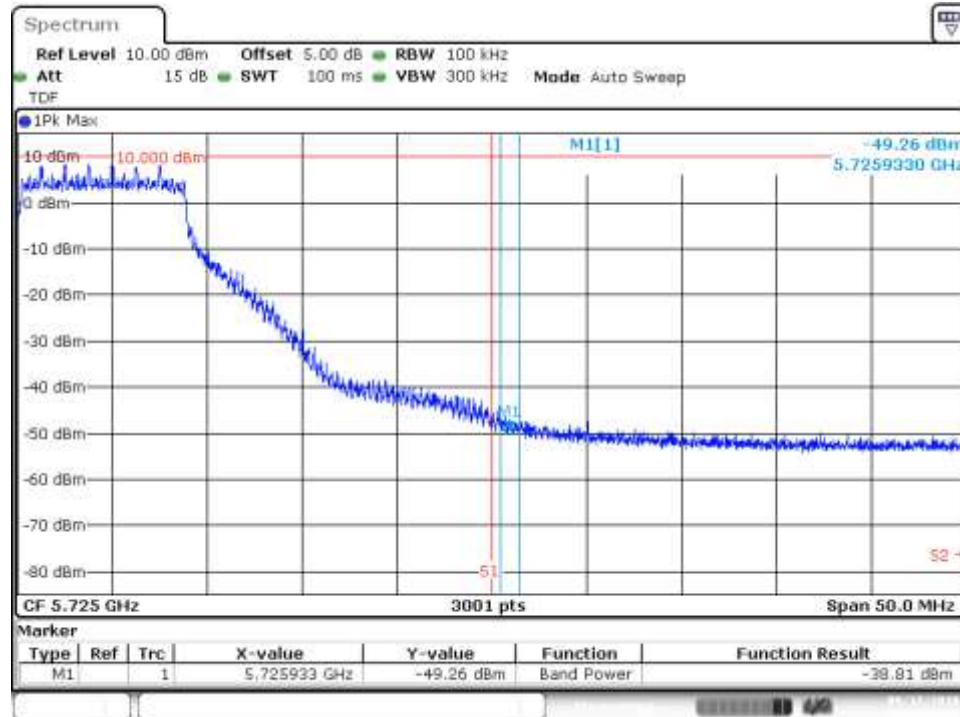
802.11n20, HT8 (MIMO) – Chain B

BE Low Freq Section, Peak – CH100



Date: 17.SEP.2018 19:27:47

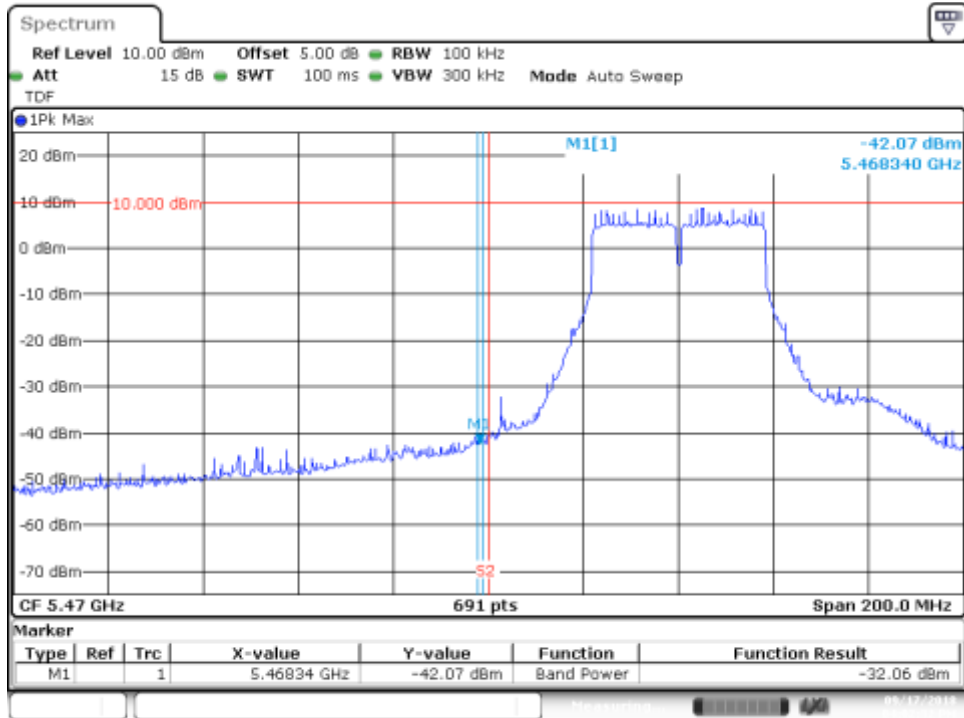
BE High Freq Section, Peak – CH140



Date: 17.SEP.2018 19:34:27

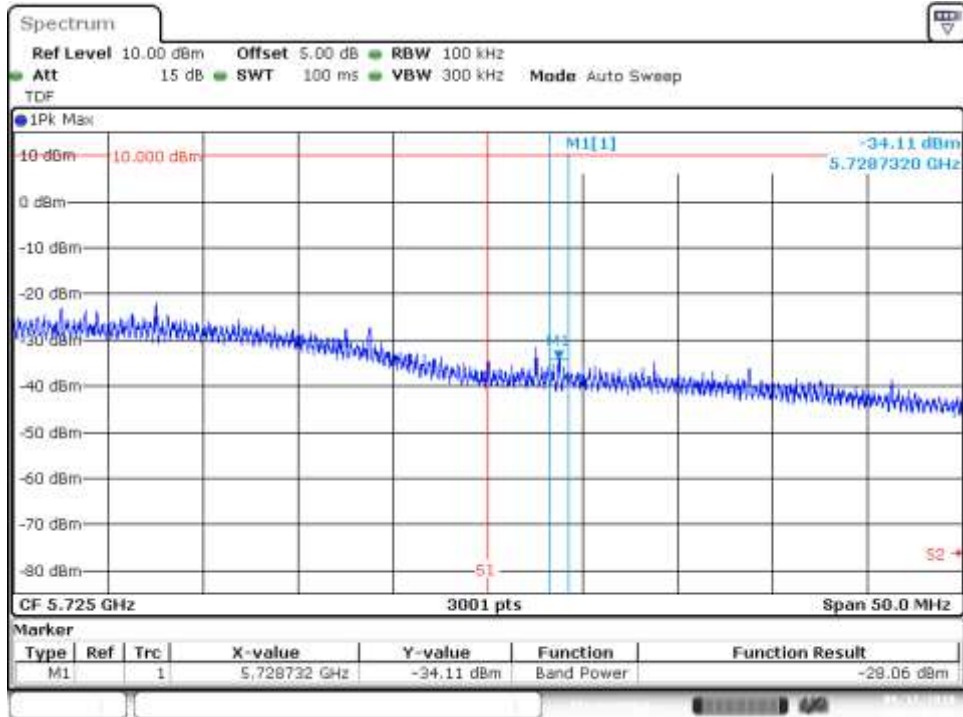
802.11n40, HT0 (SISO) – Chain A

BE Low Freq Section, Peak – CH102F



Date: 17.SEP.2018 16:02:32

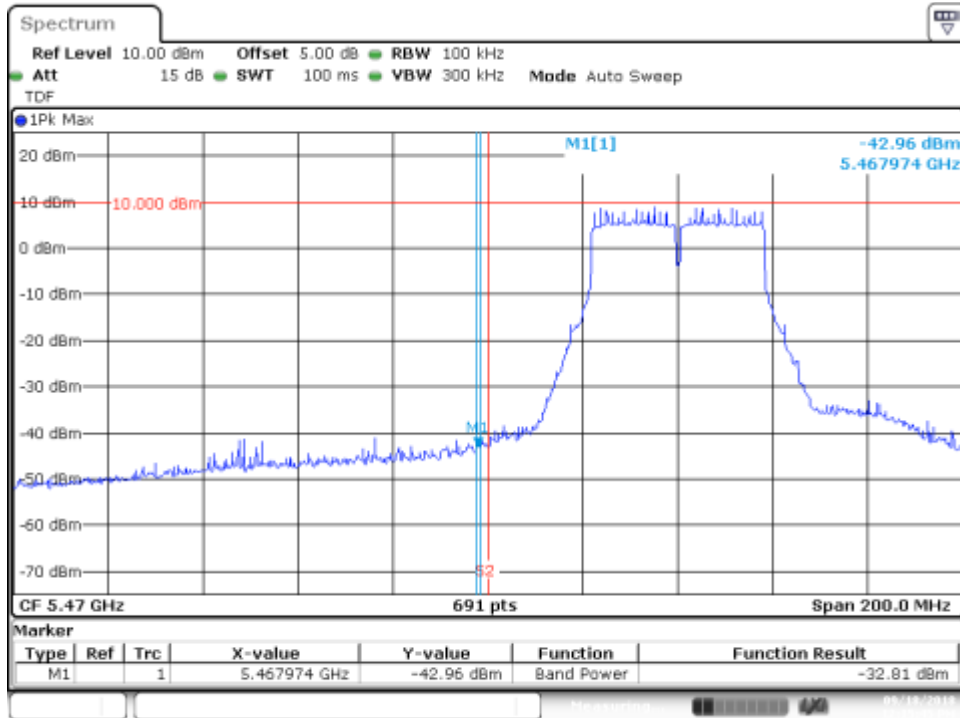
BE High Freq Section, Peak – CH134F



Date: 17.SEP.2018 16:22:18

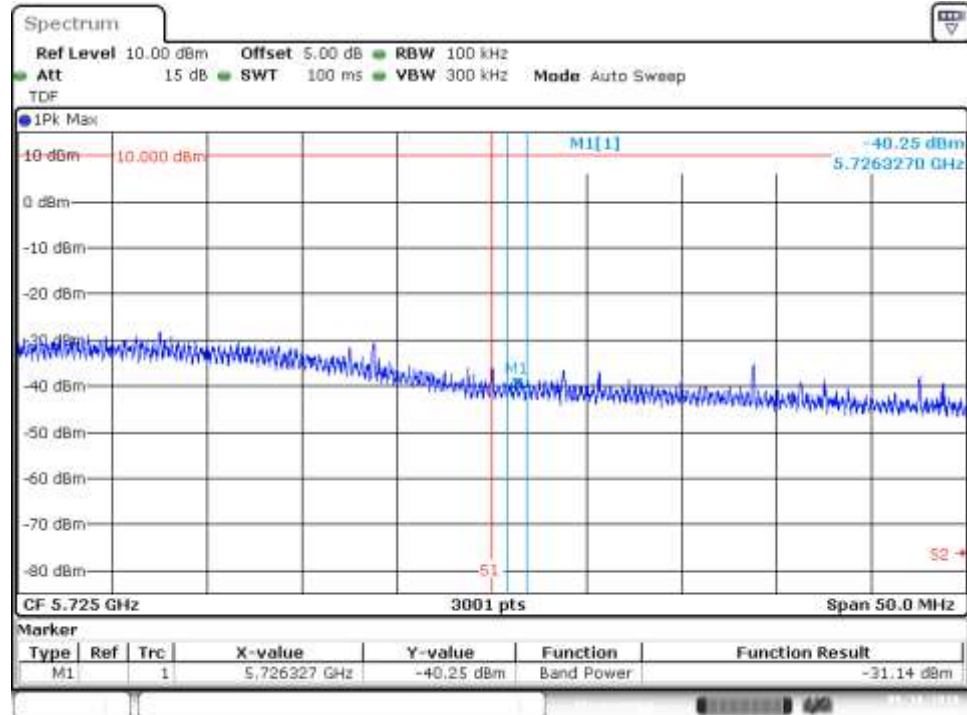
802.11n40, HT0 (SISO) – Chain B

BE Low Freq Section, Peak – CH102F



Date: 18.SEP.2018 12:15:45

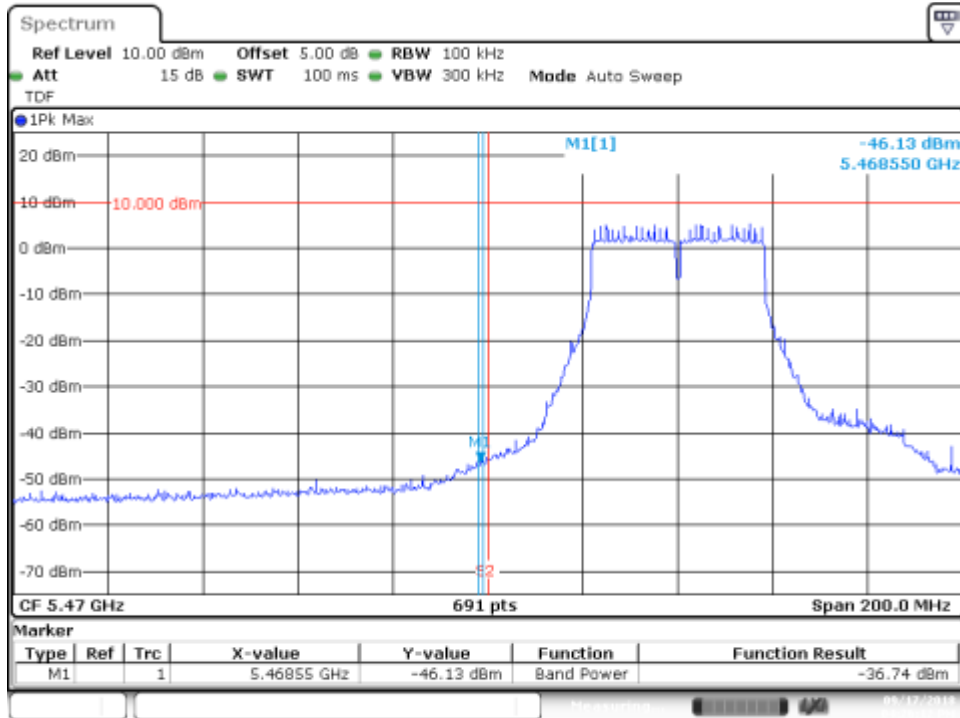
BE High Freq Section, Peak – CH134F



Date: 18.SEP.2018 12:21:31

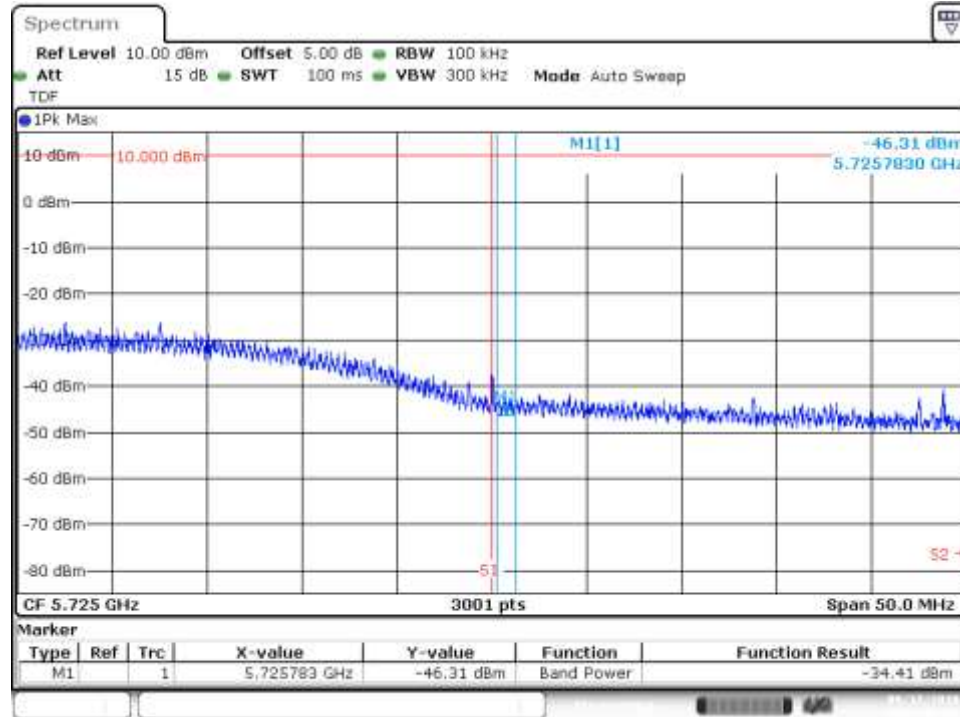
802.11n40, HT8 (MIMO) – Chain A

BE Low Freq Section, Peak – CH102F



Date: 17.SEP.2018 16:28:12

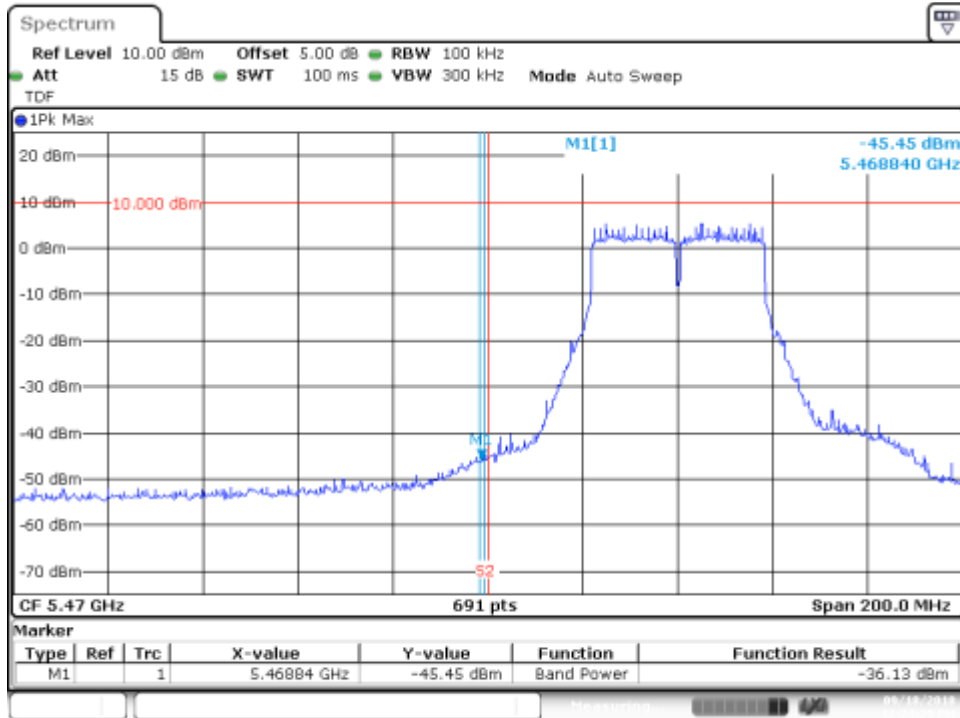
BE High Freq Section, Peak – CH134F



Date: 17.SEP.2018 16:31:20

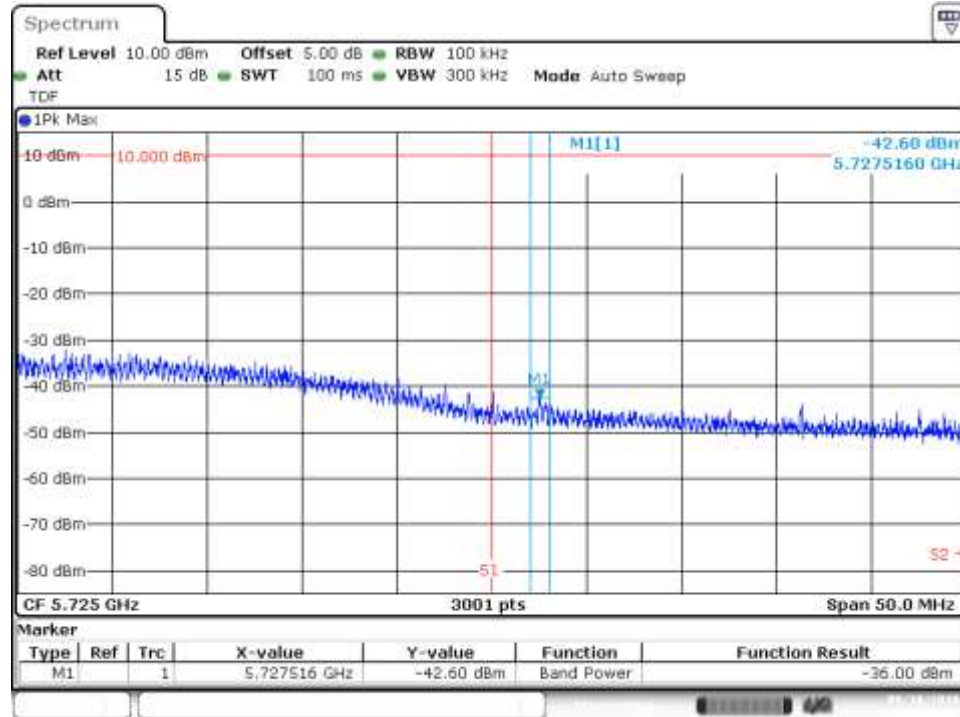
802.11n40, HT8 (MIMO) – Chain B

BE Low Freq Section, Peak – CH102F



Date: 18.SEP.2018 12:24:29

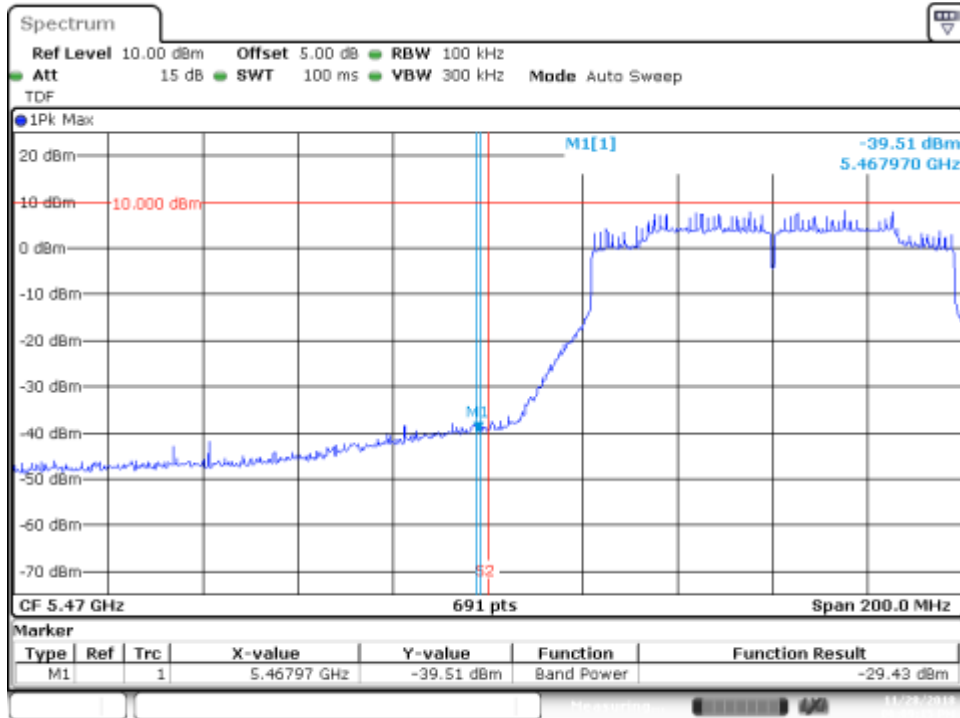
BE High Freq Section, Peak – CH134F



Date: 18.SEP.2018 12:49:54

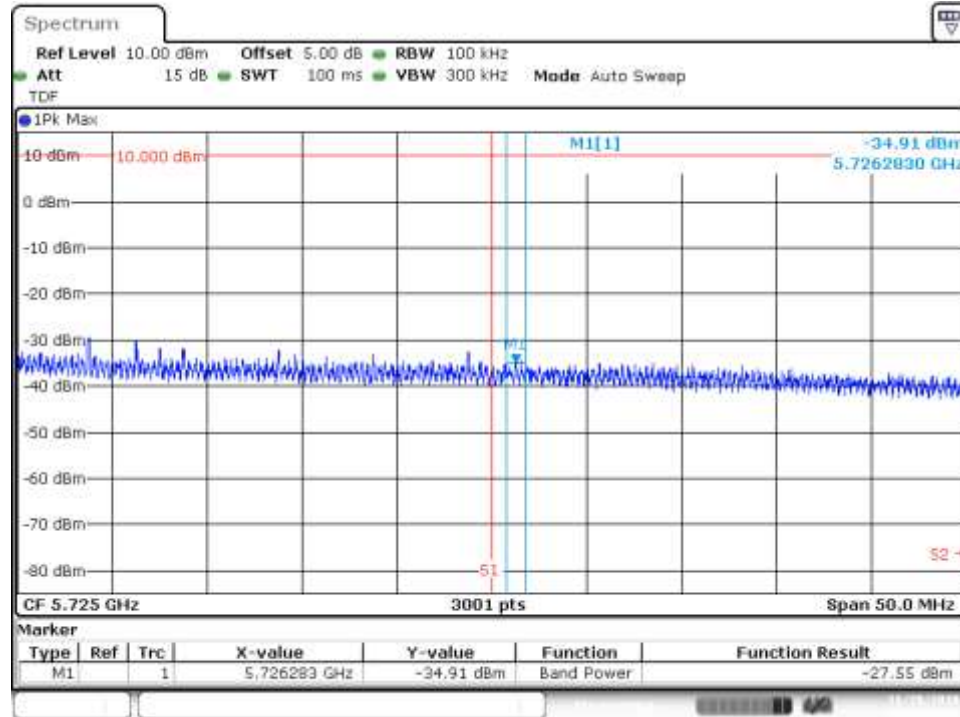
802.11ac80, VHT0 (SISO) – Chain A

BE Low Freq Section, Peak – CH106



Date: 28 NOV 2018 18:09:16

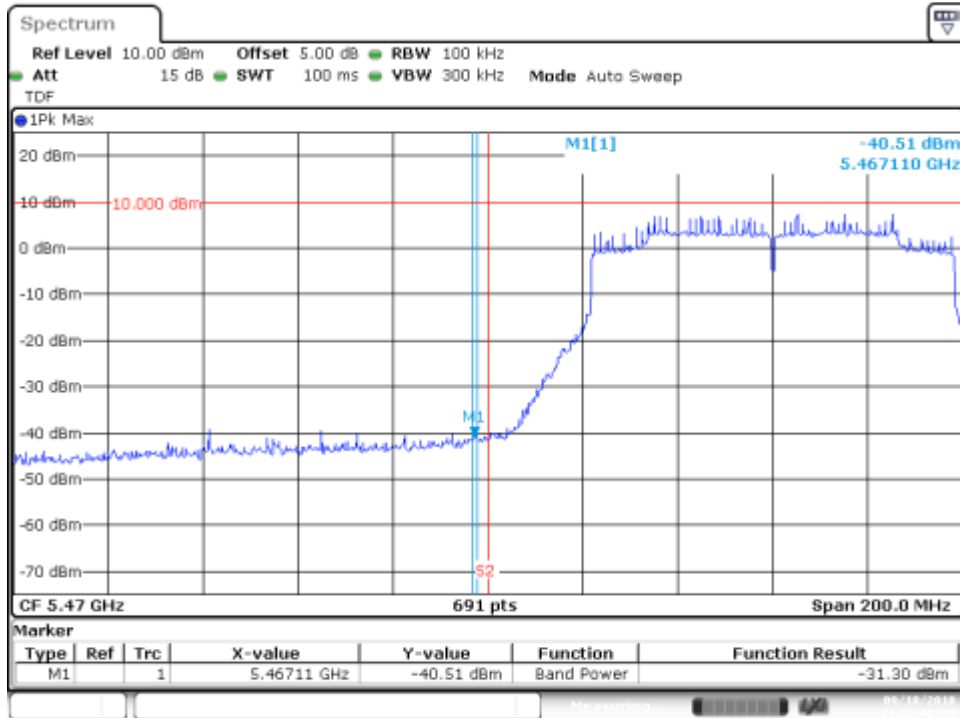
BE High Freq Section, Peak – CH122



Date: 28 NOV 2018 18:25:33

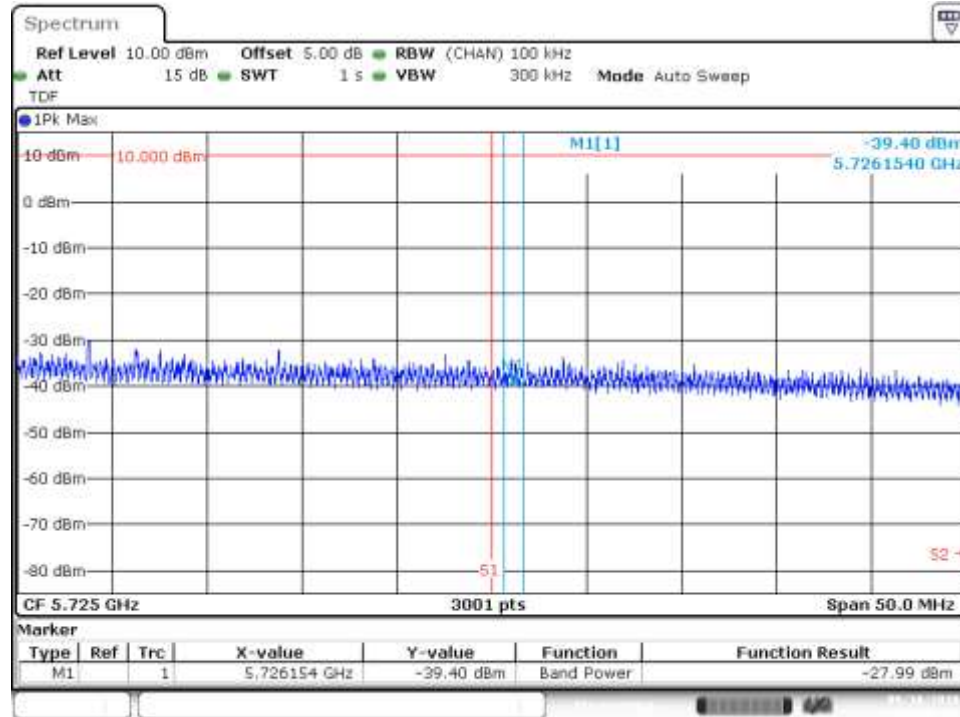
802.11ac80, VHT0 (SISO) – Chain B

BE Low Freq Section, Peak – CH106



Date: 18.SEP.2018 13:28:40

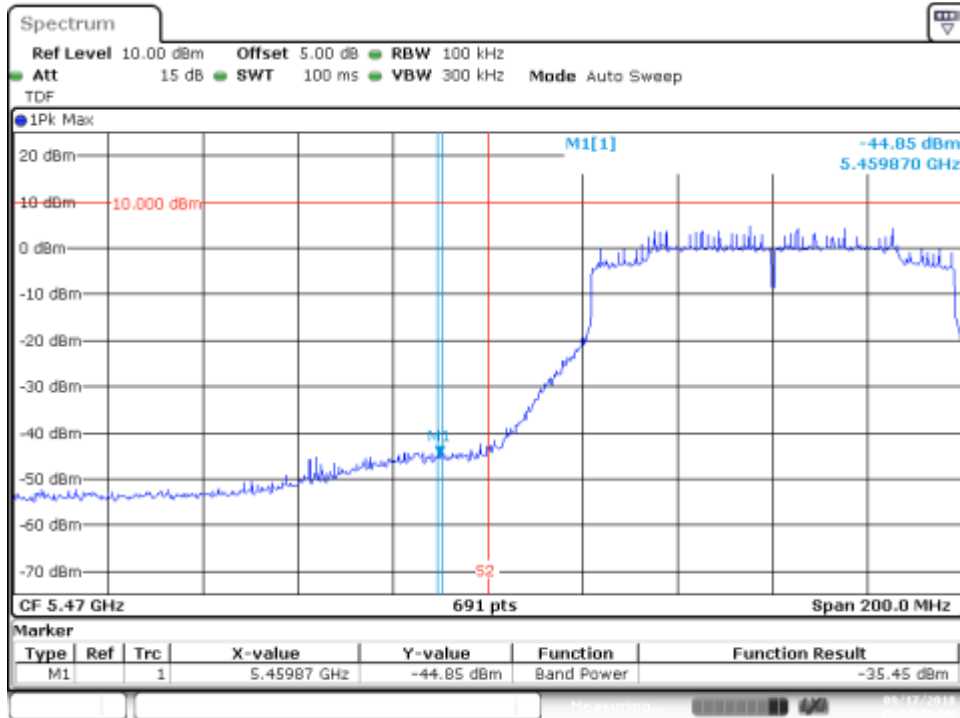
BE High Freq Section, Peak – CH122



Date: 18.SEP.2018 13:41:47

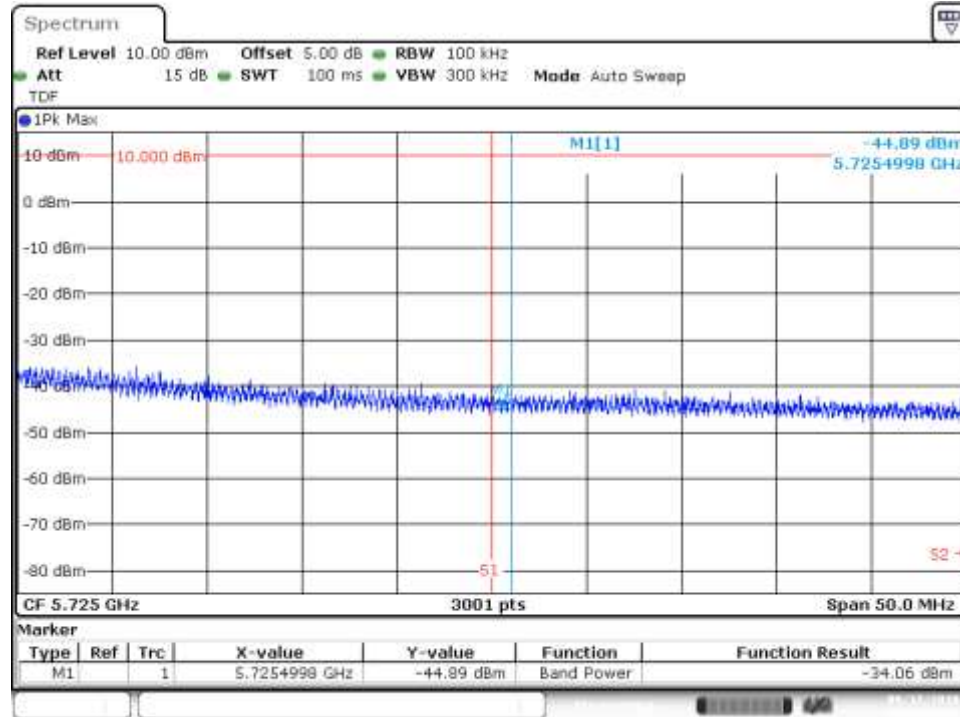
802.11ac80, VHT0 (MIMO) – Chain A

BE Low Freq Section, Peak – CH106



Date: 17.SEP.2018 17:53:06

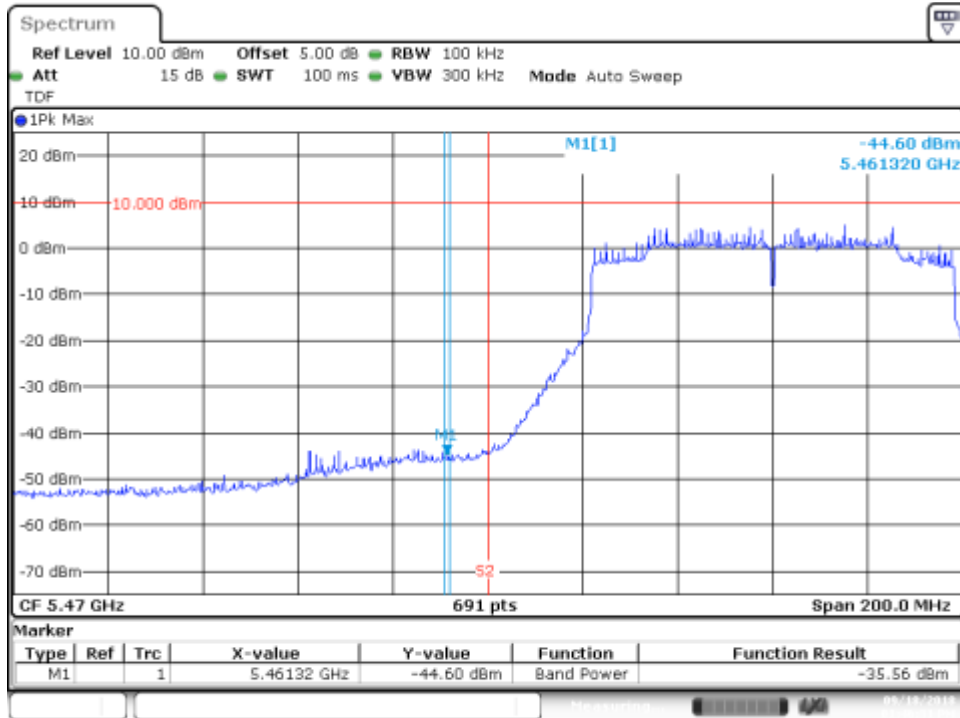
BE High Freq Section, Peak – CH122



Date: 17.SEP.2018 17:56:56

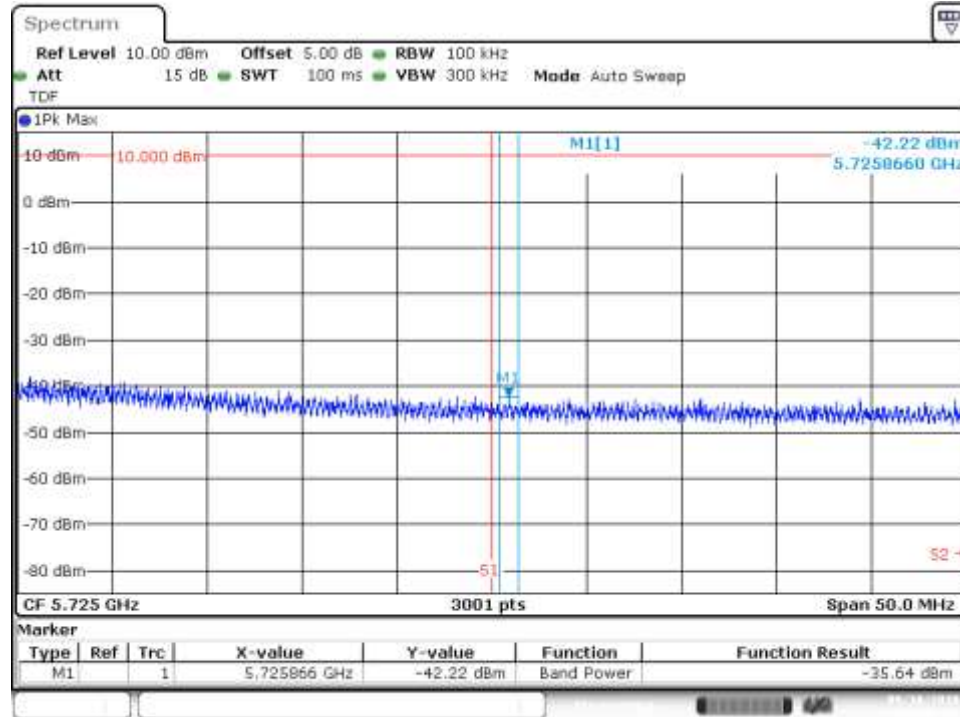
802.11ac80, VHT0 (MIMO) – Chain B

BE Low Freq Section, Peak – CH106



Date: 18.SEP.2018 13:48:32

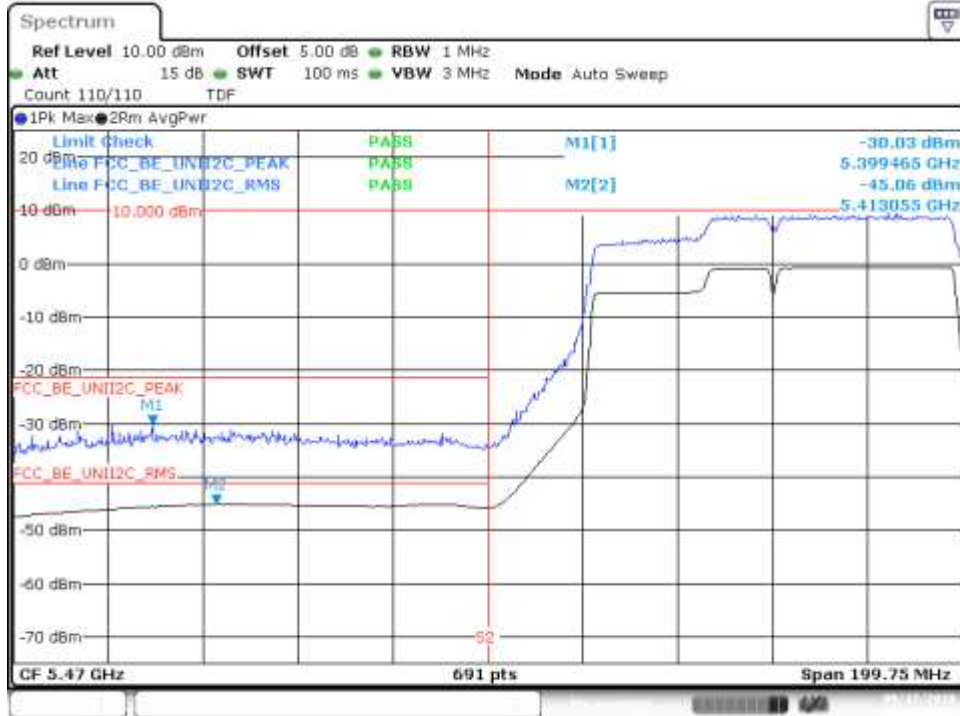
BE High Freq Section, Peak – CH122



Date: 18.SEP.2018 13:50:12

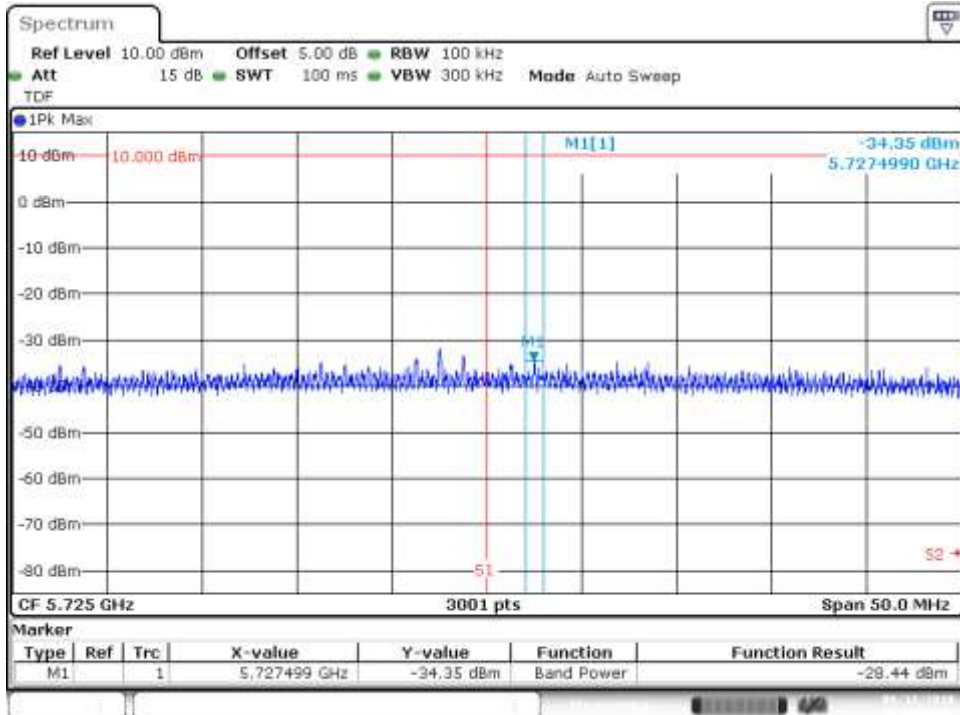
802.11ac160, VHT0 (SISO) – Chain A

BE Low Freq Section, Peak & RMS – CH114



Date: 17.SEP.2018 18:38:37

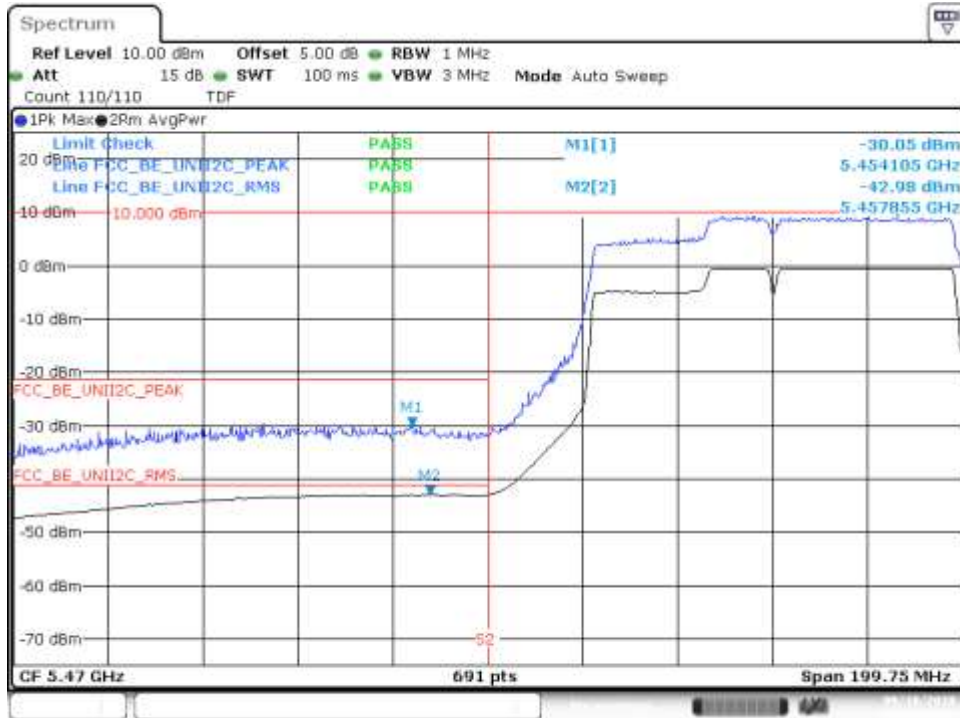
BE High Freq Section, Peak – CH114



Date: 17.SEP.2018 18:37:44

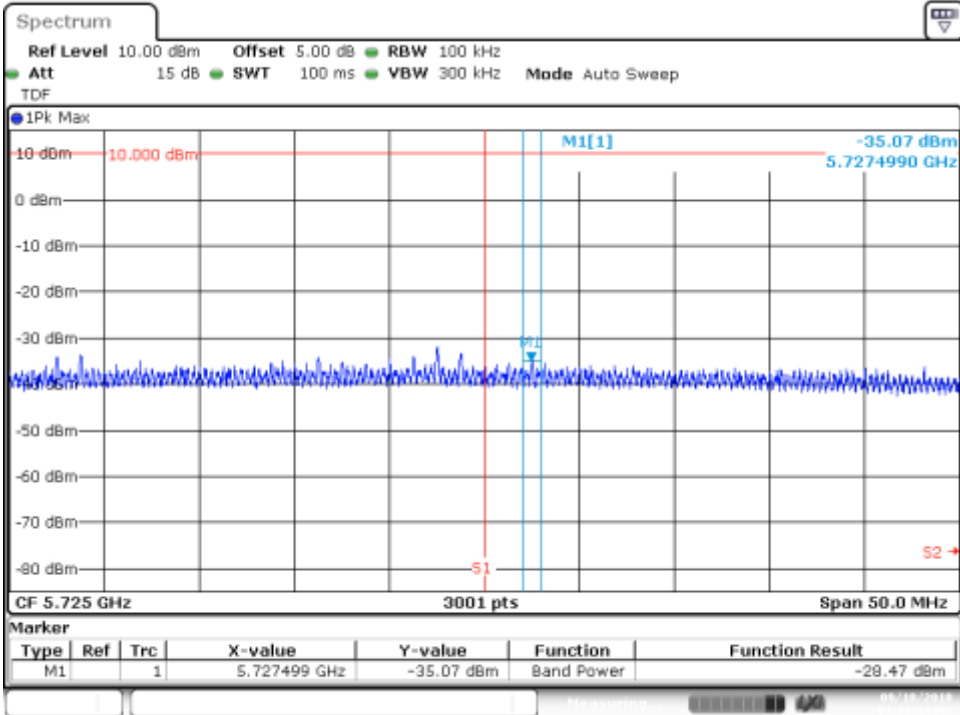
802.11ac160, VHT0 (SISO) – Chain B

BE Low Freq Section, RMS & Peak – CH114



Date: 18.SEP.2018 14:28:16

BE High Freq Section, Peak – CH114



Date: 18.SEP.2018 14:25:44

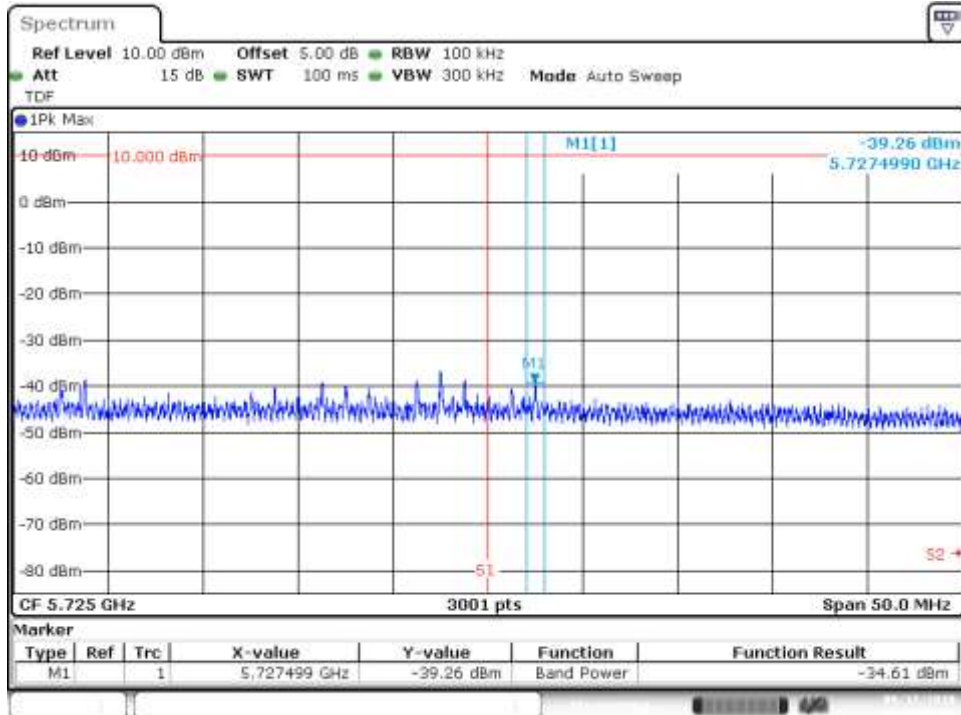
802.11ac160, VHT0 (MIMO) – Chain A

BE Low Freq Section, RMS & Peak – CH114



Date: 17.SEP.2018 18:41:54

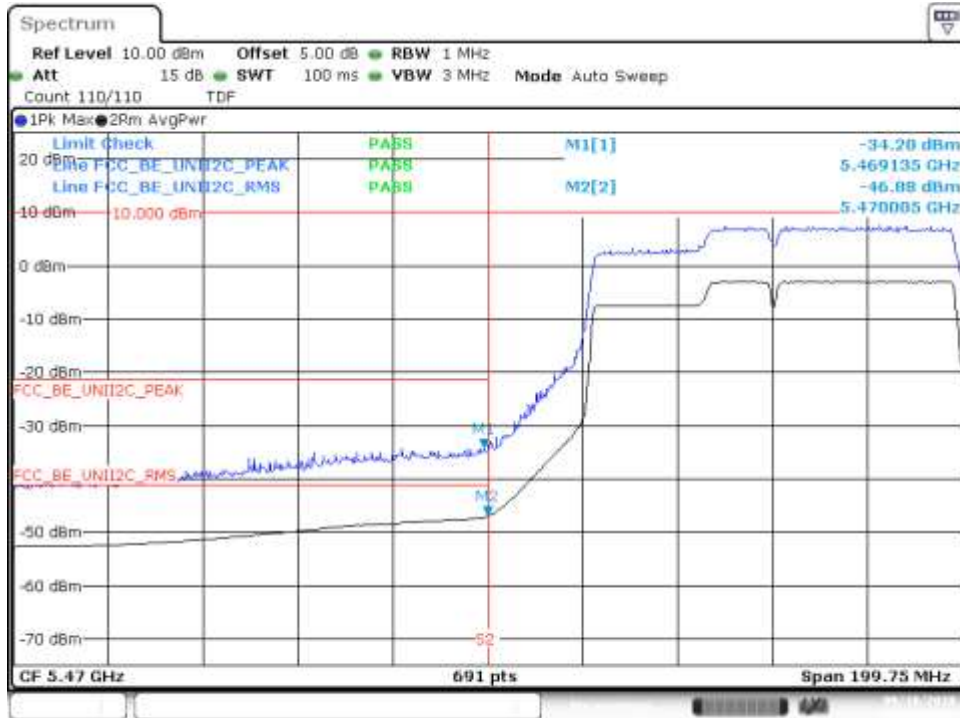
BE High Freq Section, Peak – CH114



Date: 17.SEP.2018 18:41:17

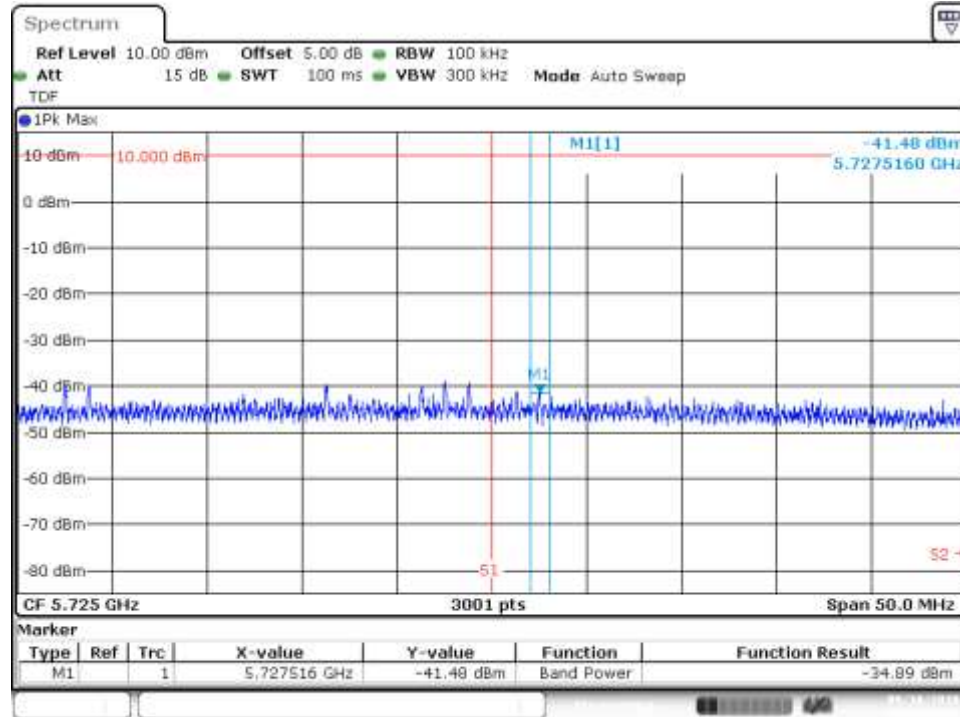
802.11ac160, VHT0 (MIMO) – Chain B

BE Low Freq Section, RMS & Peak – CH114



Date: 18.SEP.2018 14:32:14

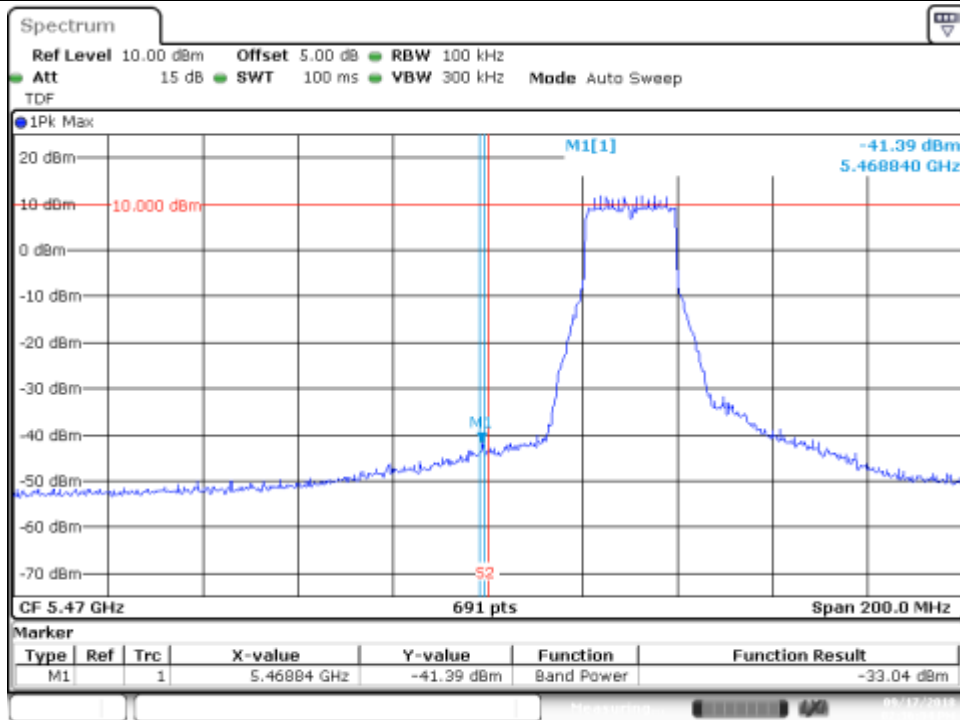
BE High Freq Section, Peak – CH114



Date: 18.SEP.2018 14:31:05

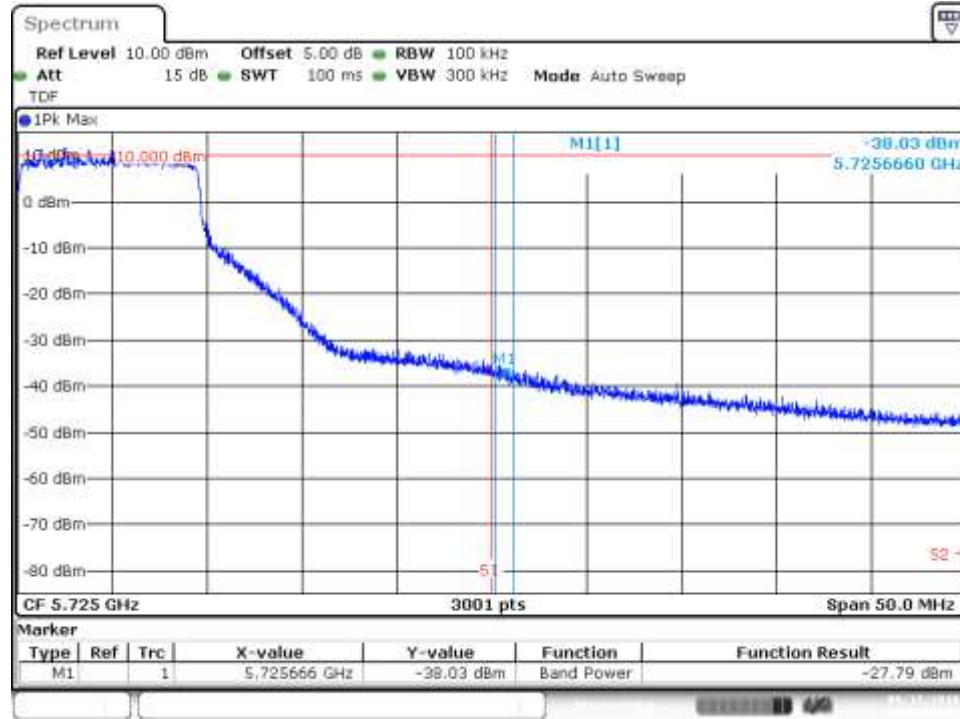
802.11ax20, HE0 (SISO) – Chain A

BE Low Freq Section, Peak – CH100



Date: 17.SEP.2018 14:38:35

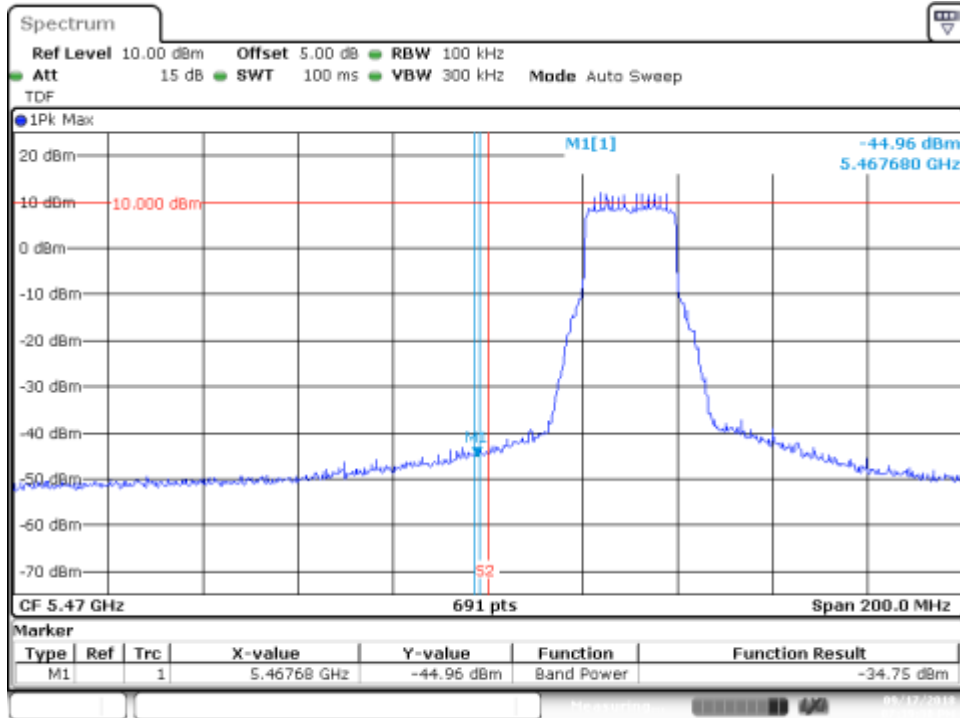
BE High Freq Section, Peak – CH140



Date: 17.SEP.2018 14:44:03

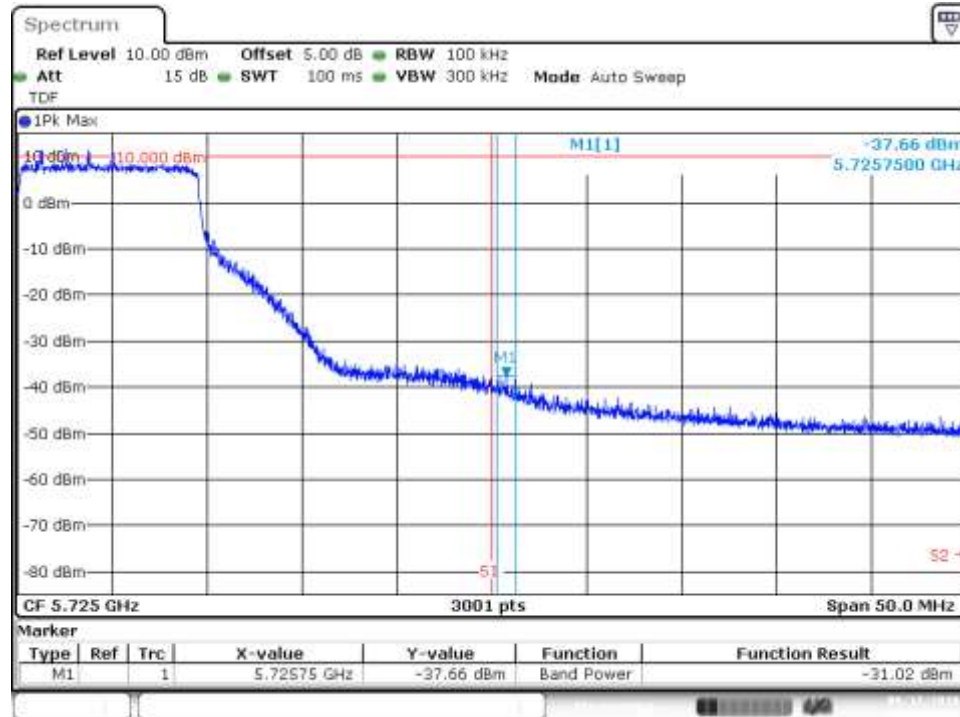
802.11ax20, HE0 (SISO) – Chain B

BE Low Freq Section, Peak – CH100



Date: 17.SEP.2018 19:39:37

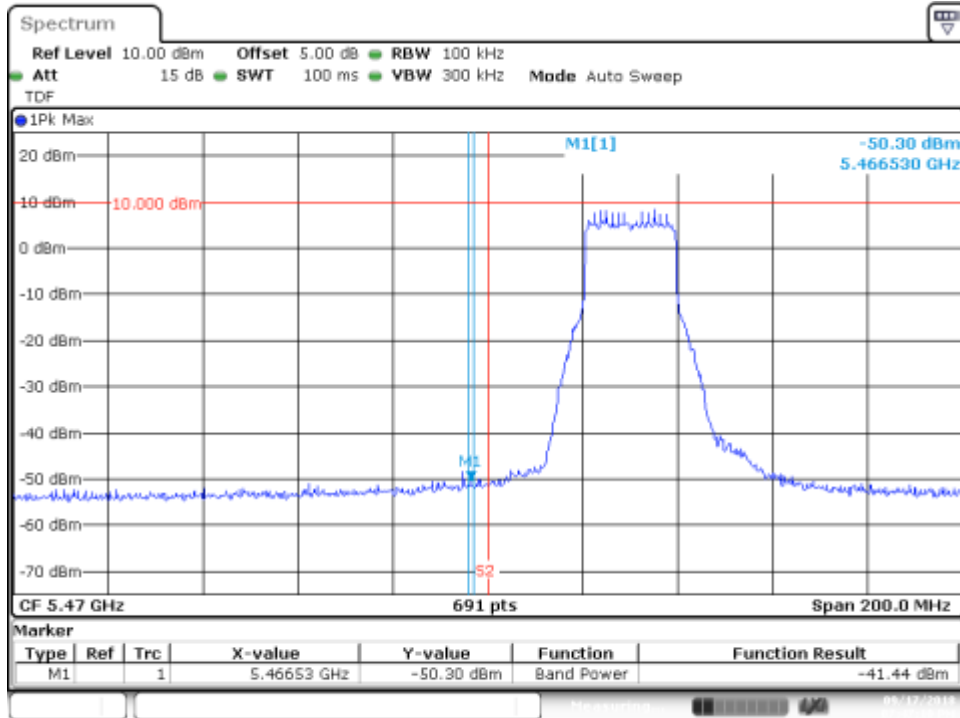
BE High Freq Section, Peak – CH140



Date: 17.SEP.2018 19:44:28

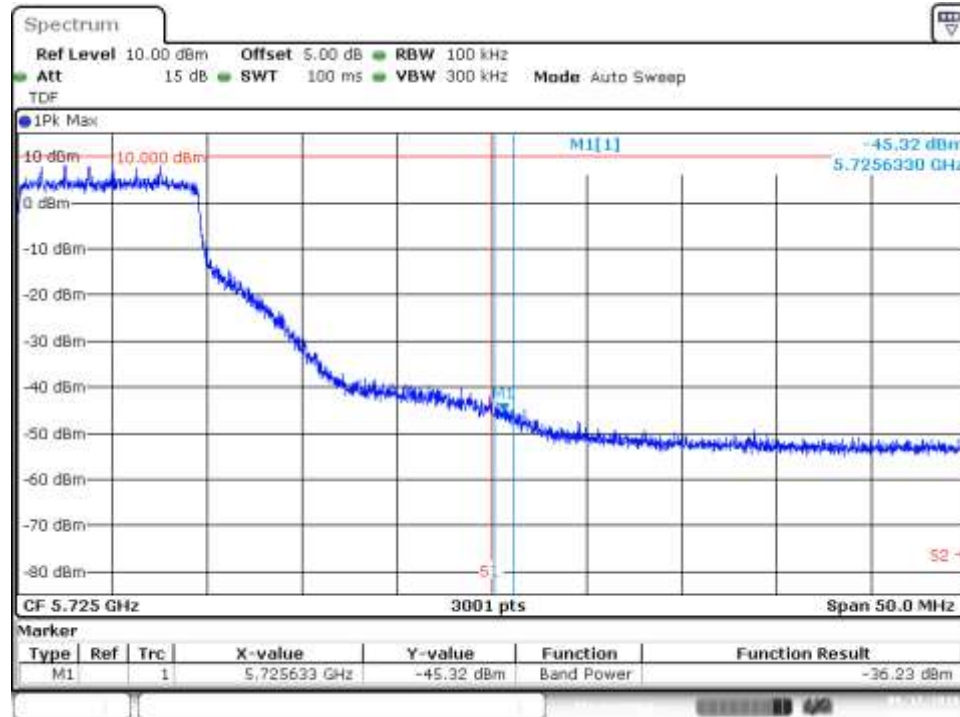
802.11ax20, HE0 (MIMO) – Chain B

BE Low Freq Section, Peak – CH100



Date: 17.SEP.2018 19:47:10

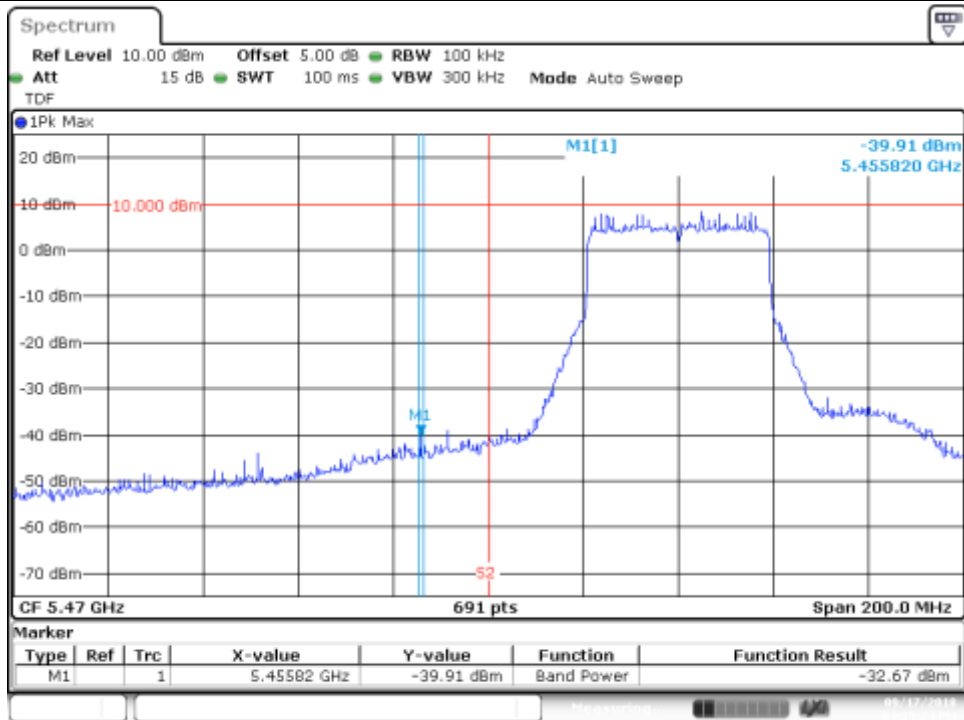
BE High Freq Section, Peak – CH140



Date: 17.SEP.2018 19:53:23

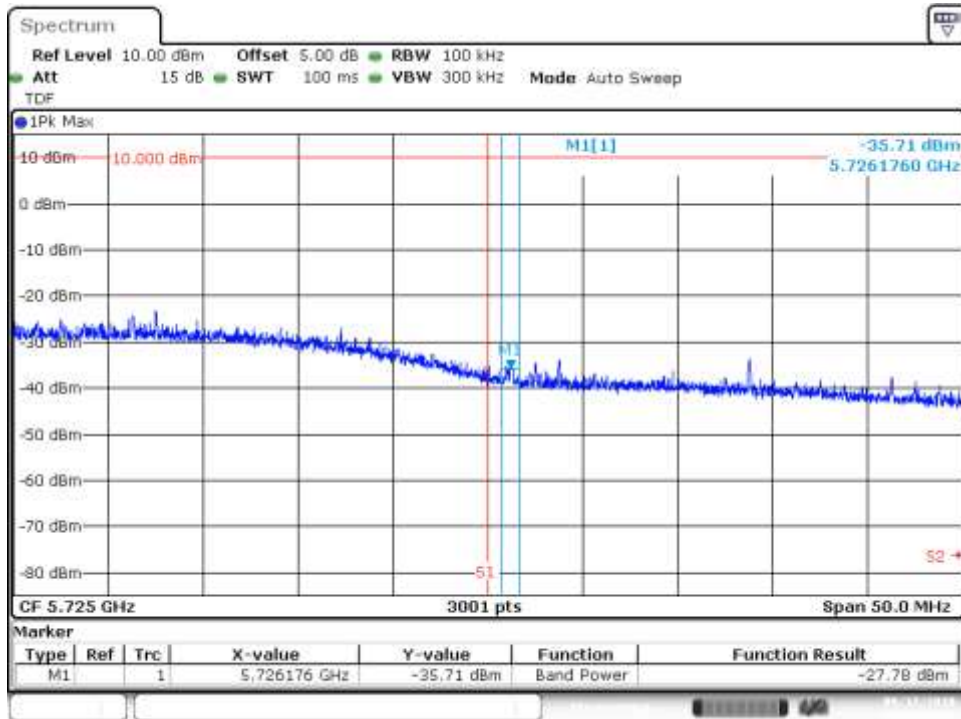
802.11ax40, HE0 (SISO) – Chain A

BE Low Freq Section, Peak – CH102F



Date: 17.SEP.2018 16:35:24

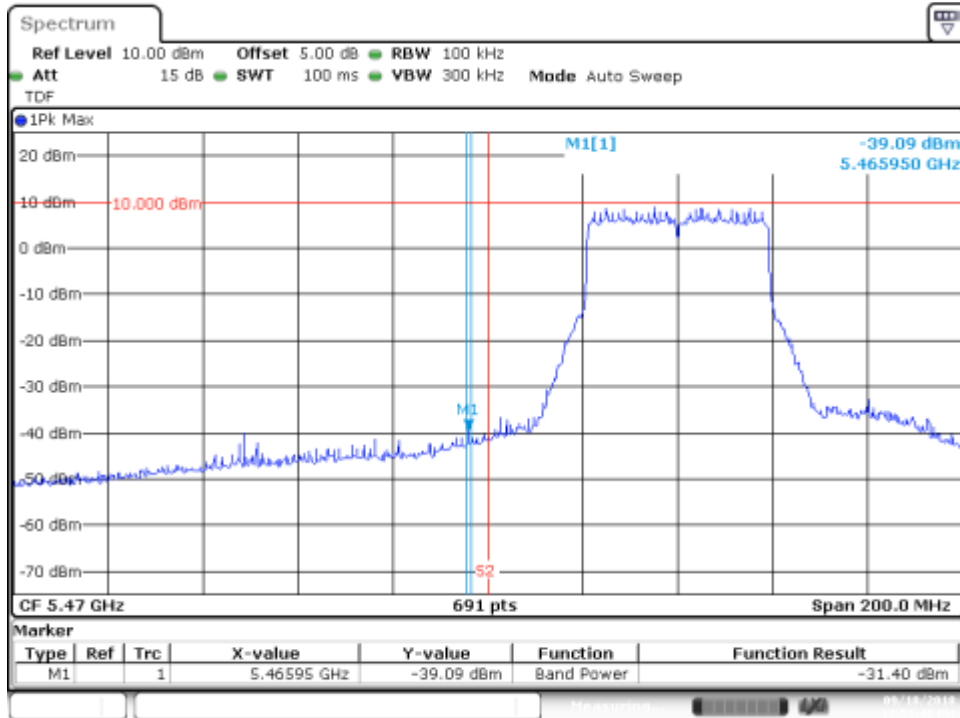
BE High Freq Section, Peak – CH134F



Date: 17.SEP.2018 16:42:45

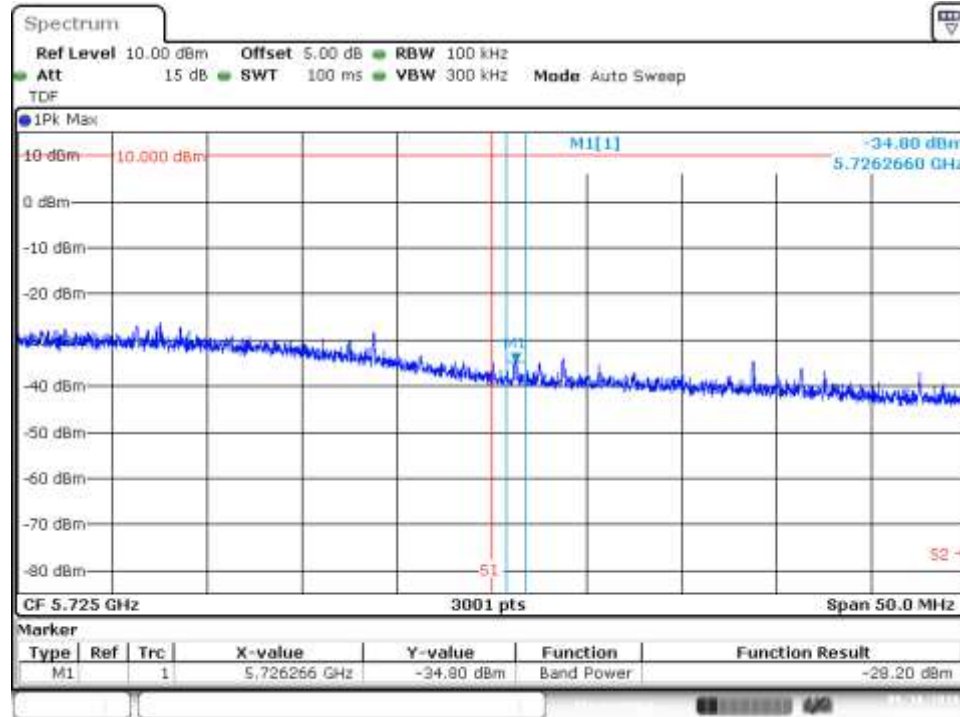
802.11ax40, HE0 (SISO) – Chain B

BE Low Freq Section, Peak – CH102F



Date: 18.SEP.2018 12:53:48

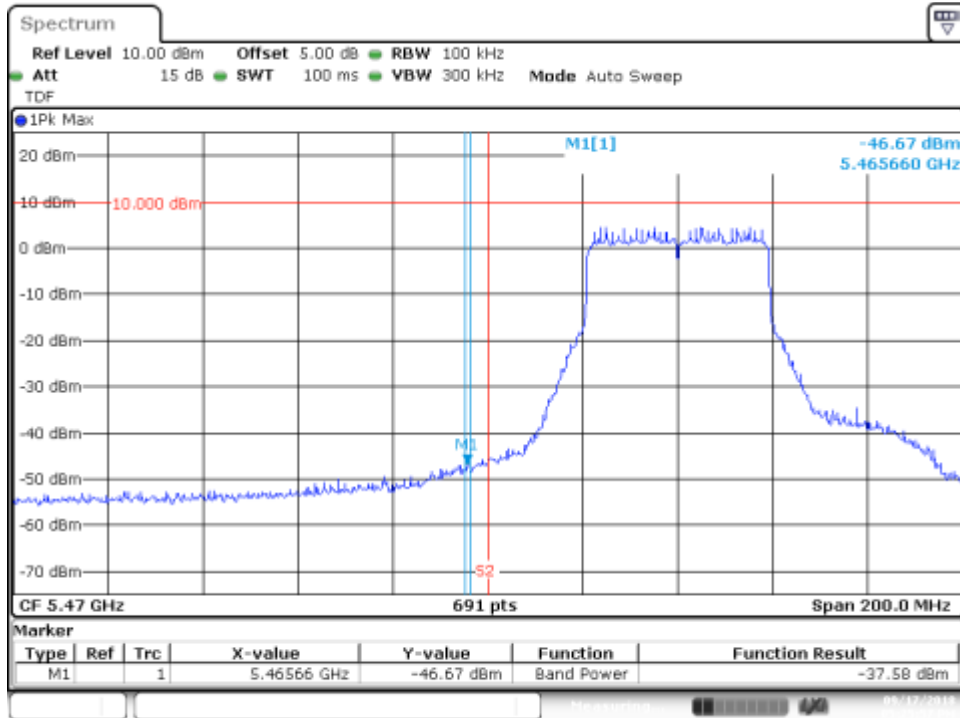
BE High Freq Section, Peak – CH134F



Date: 18.SEP.2018 13:04:31

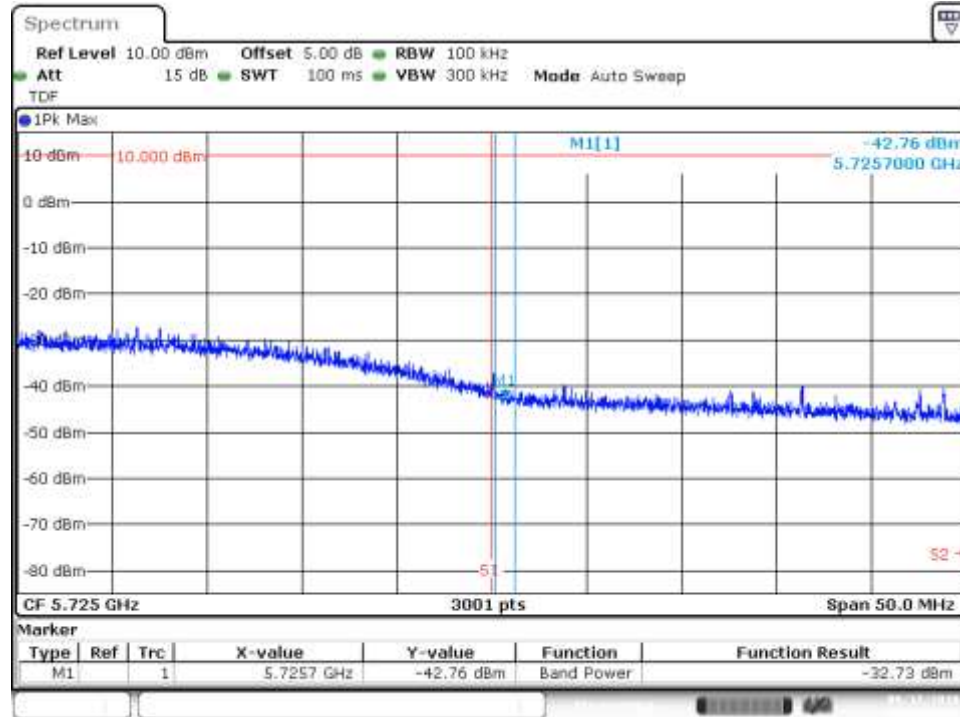
802.11ax40, HE0 (MIMO) – Chain A

BE Low Freq Section, Peak – CH102F



Date: 17.SEP.2018 17:25:57

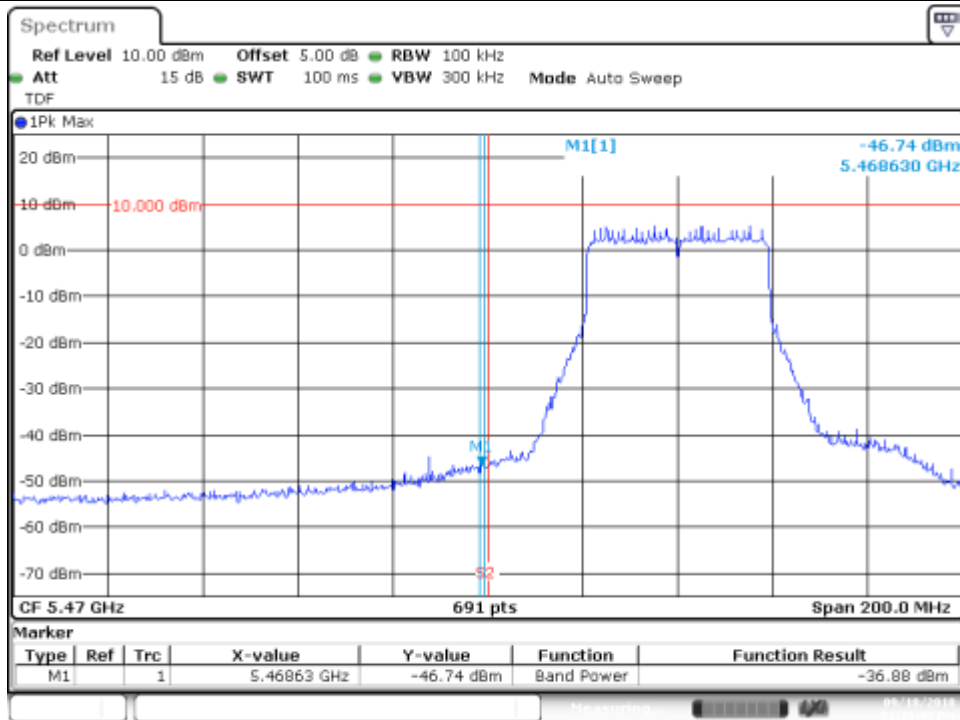
BE High Freq Section, Peak – CH134F



Date: 17.SEP.2018 17:35:22

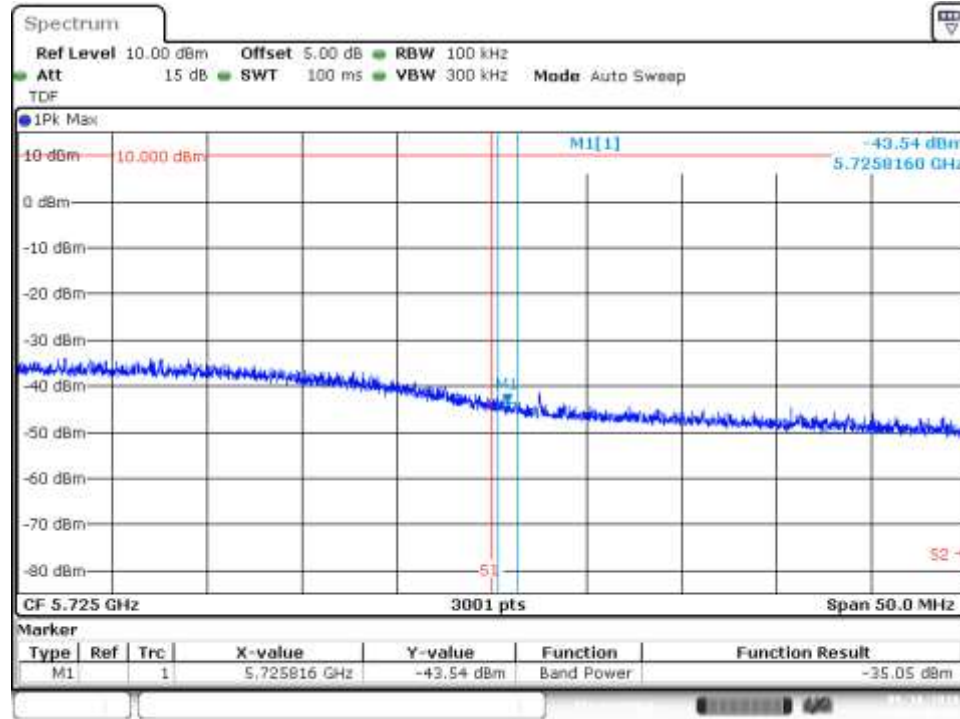
802.11ax40, HE0 (MIMO) – Chain B

BE Low Freq Section, Peak – CH102F



Date: 18.SEP.2018 13:15:43

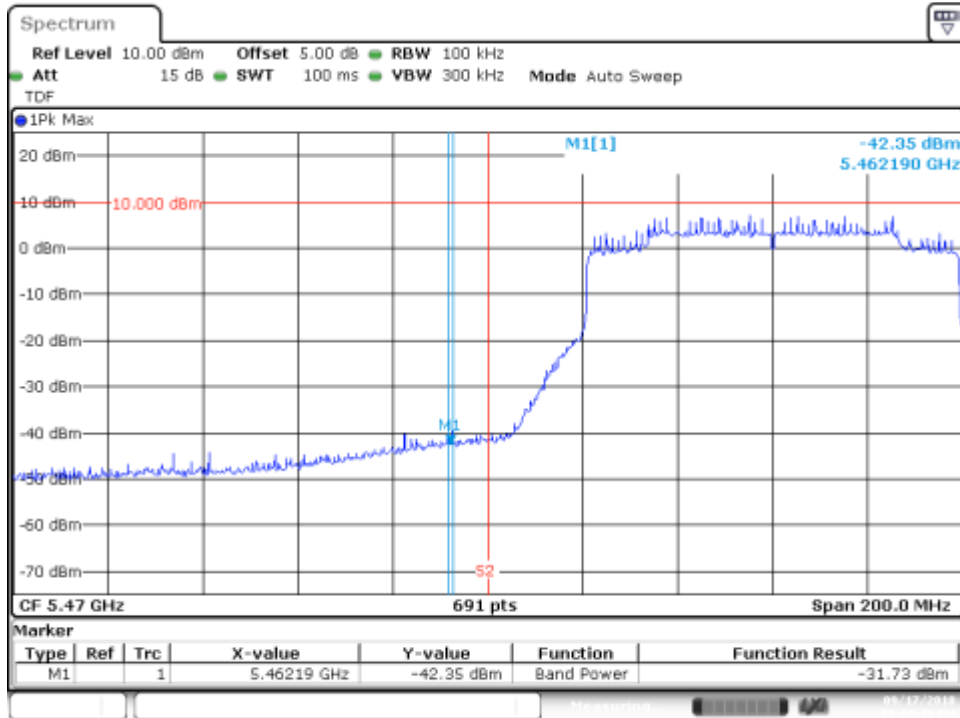
BE High Freq Section, Peak – CH134F



Date: 18.SEP.2018 13:21:42

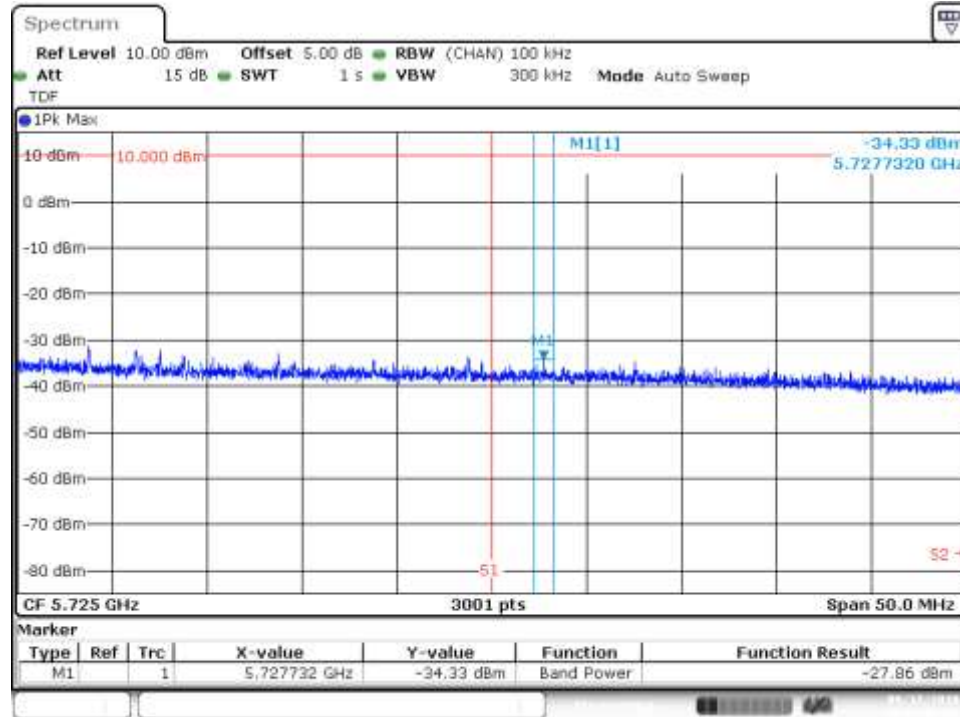
802.11ax80, HE0 (SISO) – Chain A

BE Low Freq Section, Peak – CH106



Date: 17.SEP.2018 18:00:49

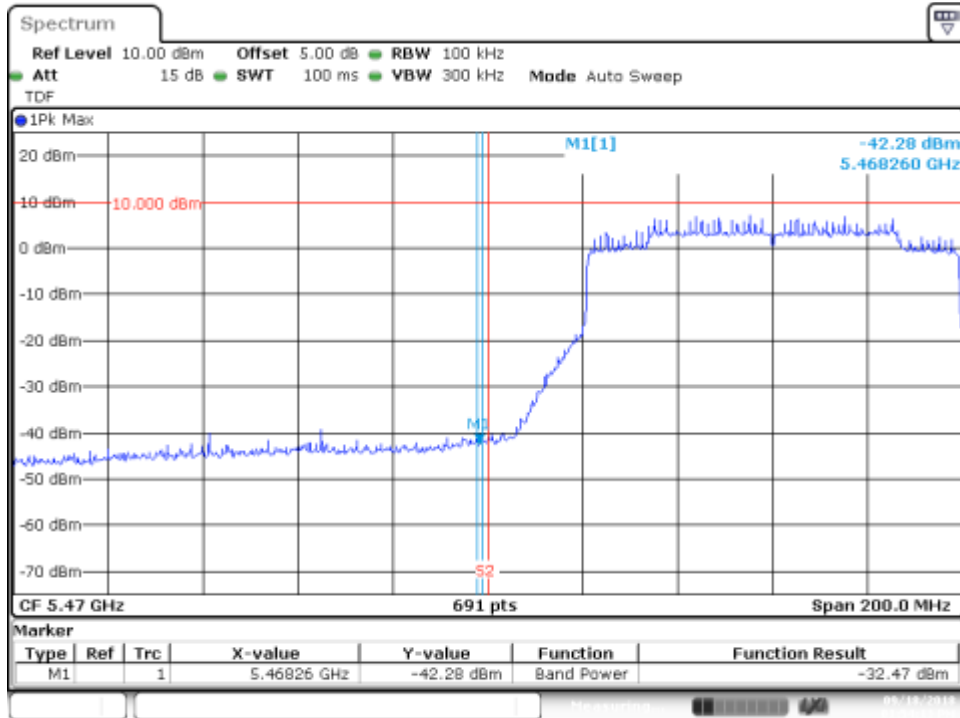
BE High Freq Section, Peak – CH122



Date: 17.SEP.2018 18:07:18

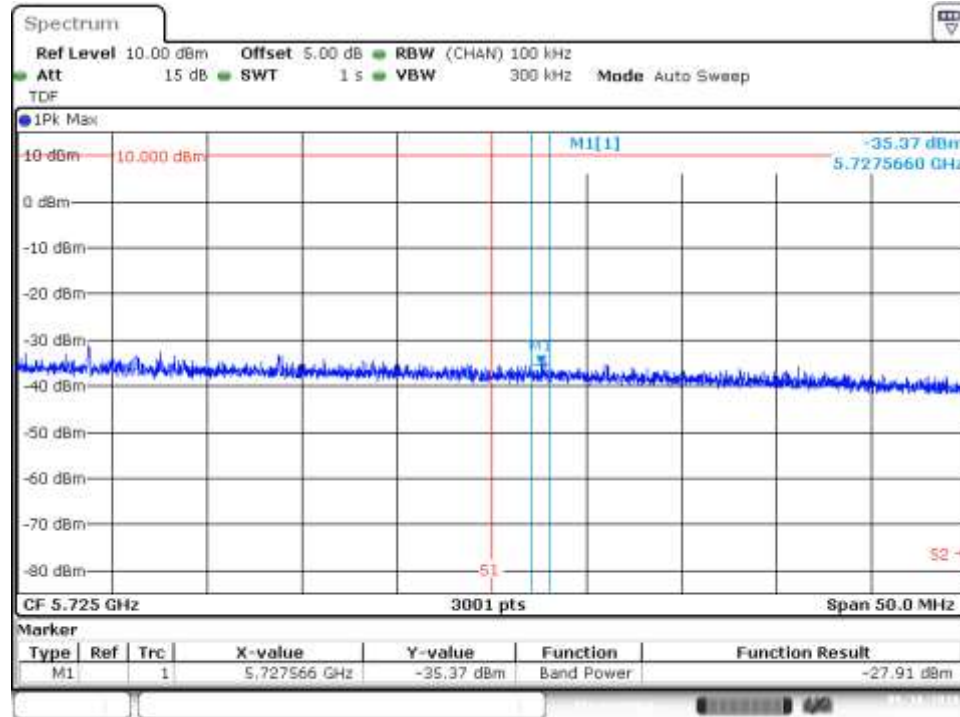
802.11ax80, HE0 (SISO) – Chain B

BE Low Freq Section, Peak – CH106



Date: 18.SEP.2018 13:54:13

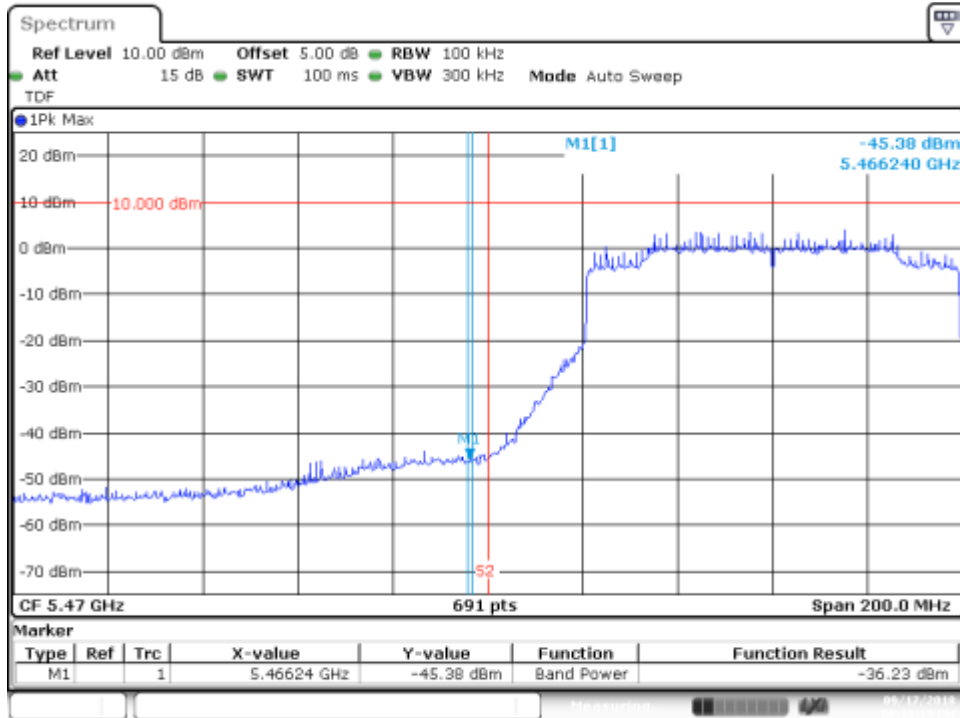
BE High Freq Section, Peak – CH122



Date: 18.SEP.2018 13:59:36

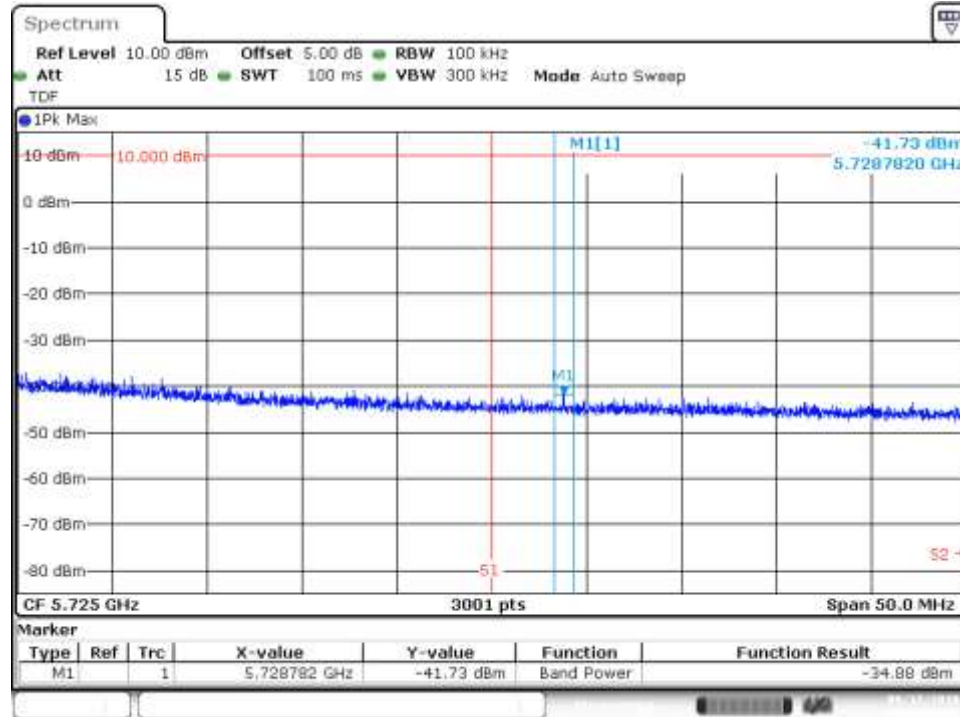
802.11ax80, HE0 (MIMO) – Chain A

BE Low Freq Section, Peak – CH106



Date: 17.SEP.2018 18:13:19

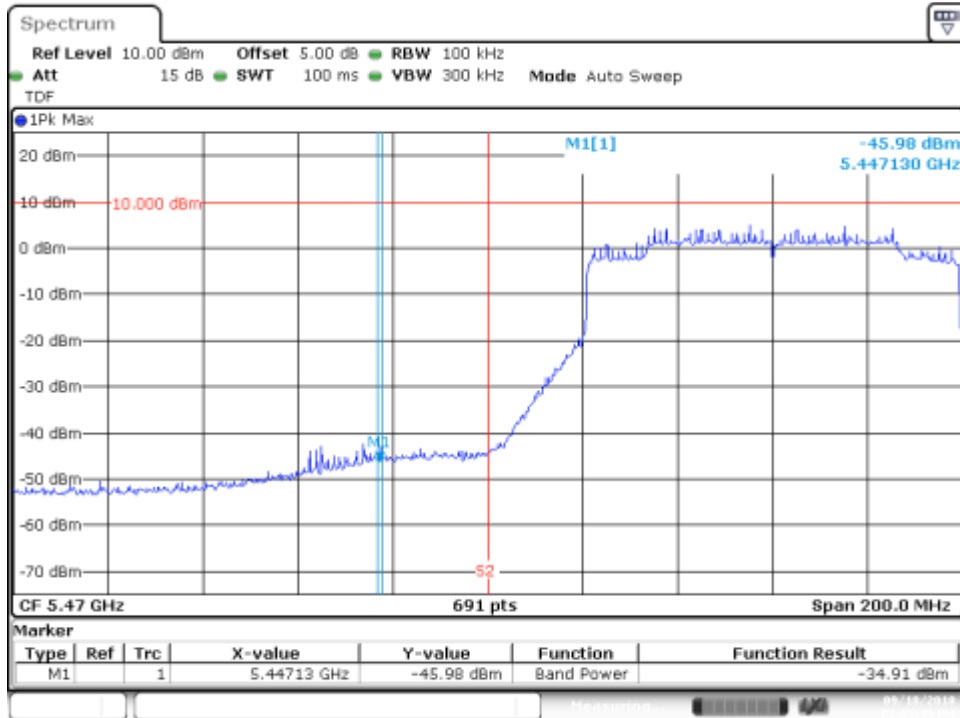
BE High Freq Section, Peak – CH122



Date: 17.SEP.2018 18:20:24

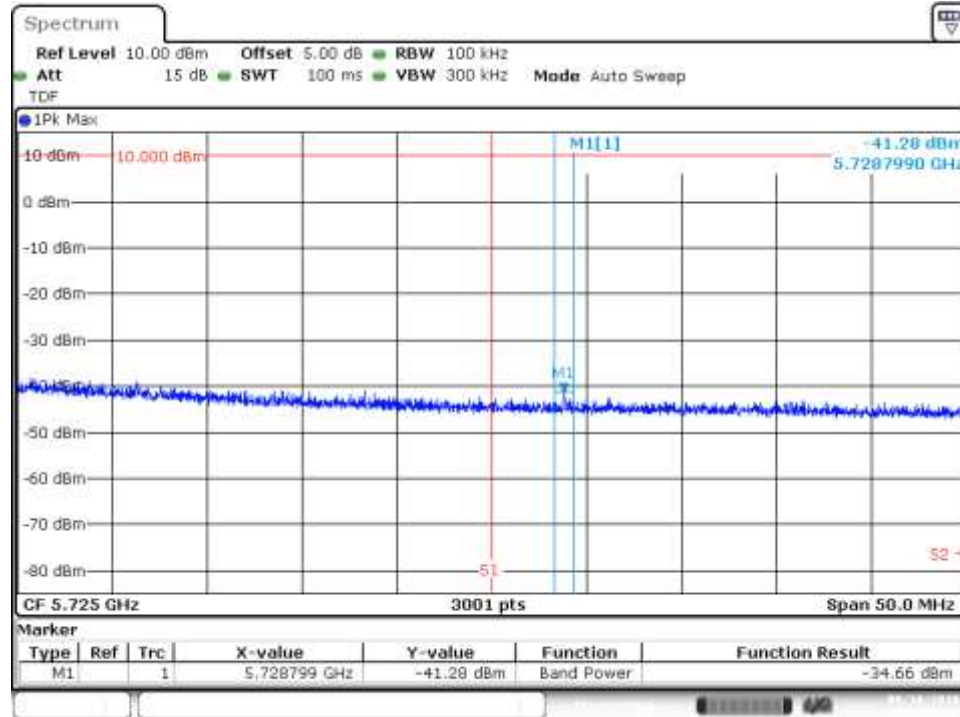
802.11ax80, HE0 (MIMO) – Chain B

BE Low Freq Section, Peak – CH106



Date: 18.SEP.2018 14:05:49

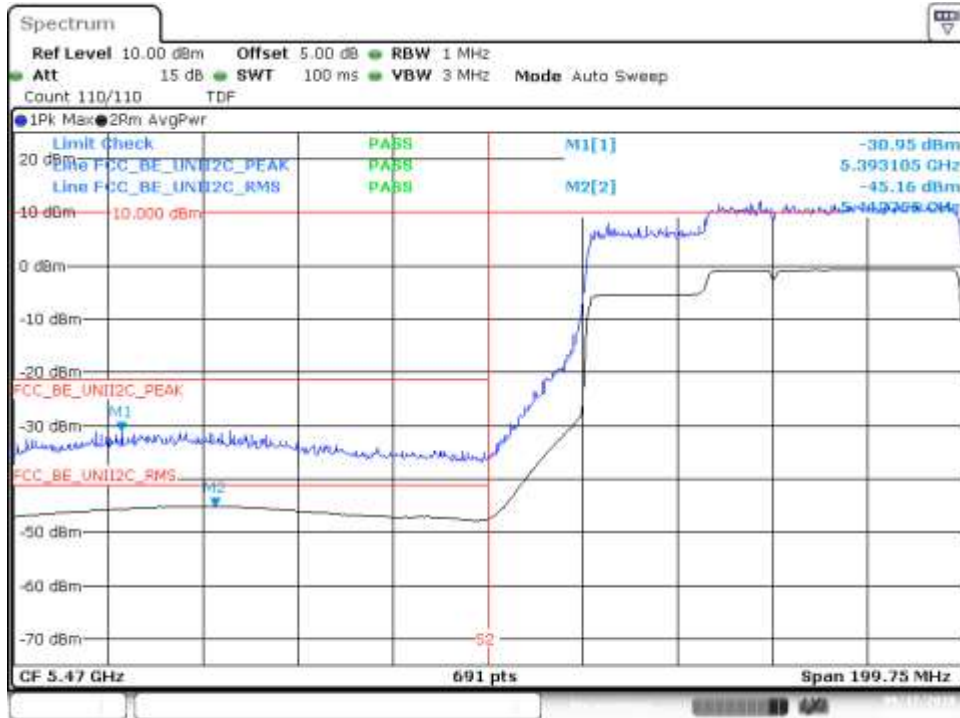
BE High Freq Section, Peak – CH122



Date: 18.SEP.2018 14:09:55

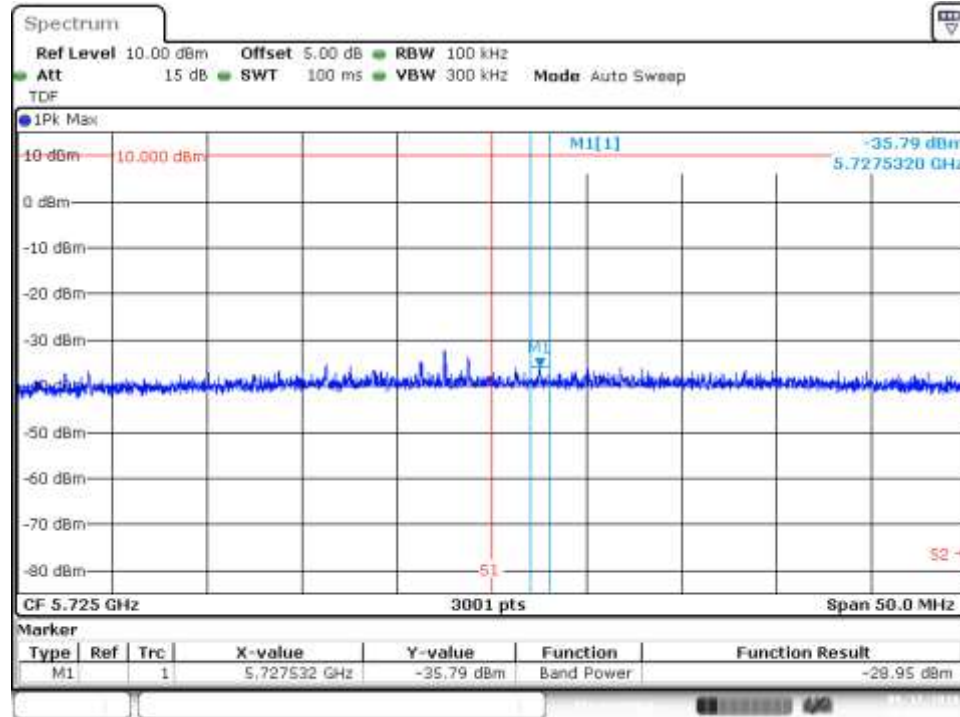
802.11ax160, HE0 (SISO) – Chain A

BE Low Freq Section, Peak & RMS – CH114



Date: 17.SEP.2018 18:45:41

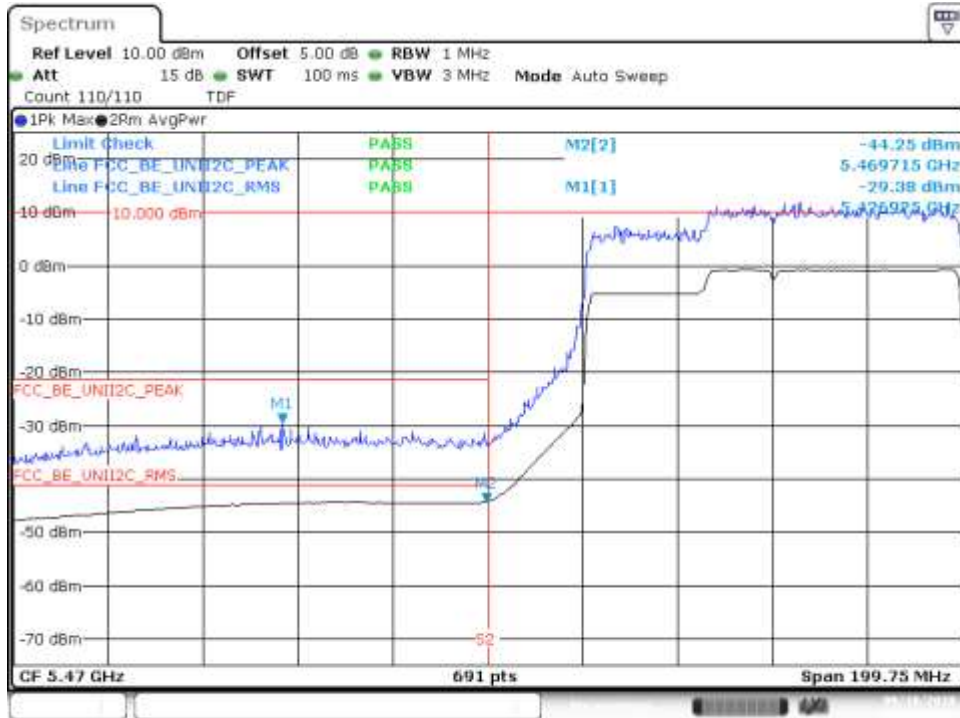
BE High Freq Section, Peak – CH114



Date: 17.SEP.2018 18:44:44

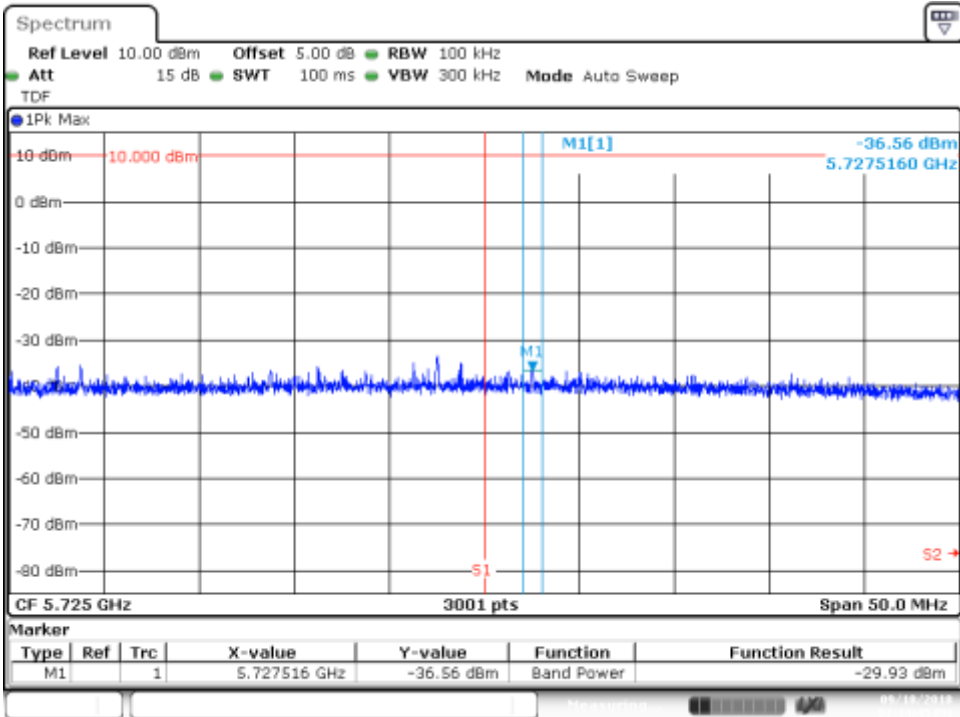
802.11ax160, HE0 (SISO) – Chain B

BE Low Freq Section, RMS & Peak – CH114



Date: 18.SEP.2018 14:14:00

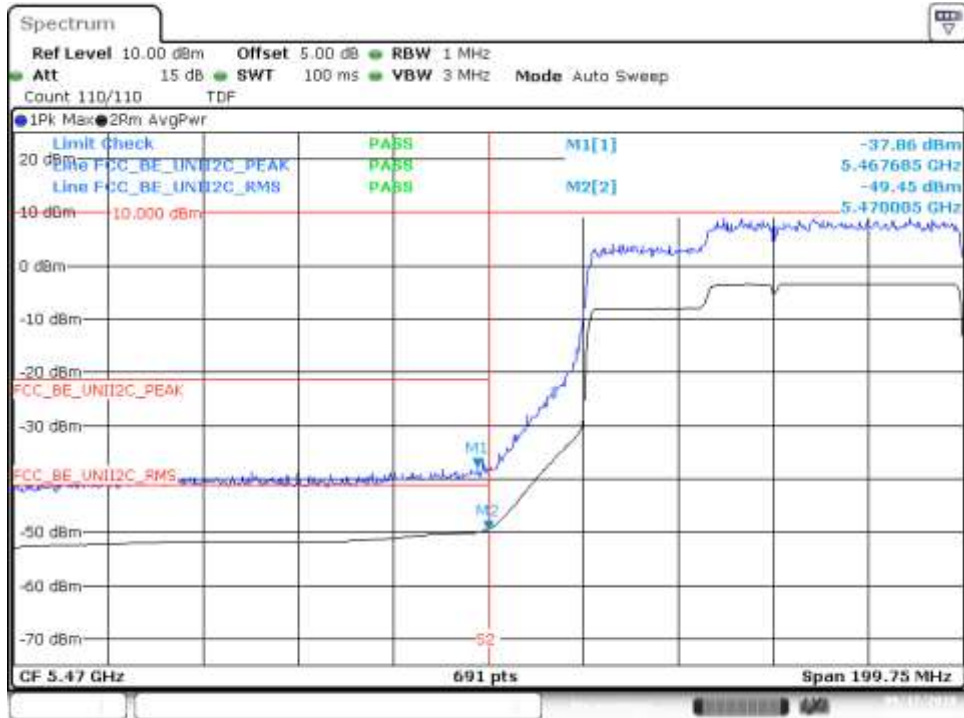
BE High Freq Section, Peak – CH114



Date: 18.SEP.2018 14:14:45

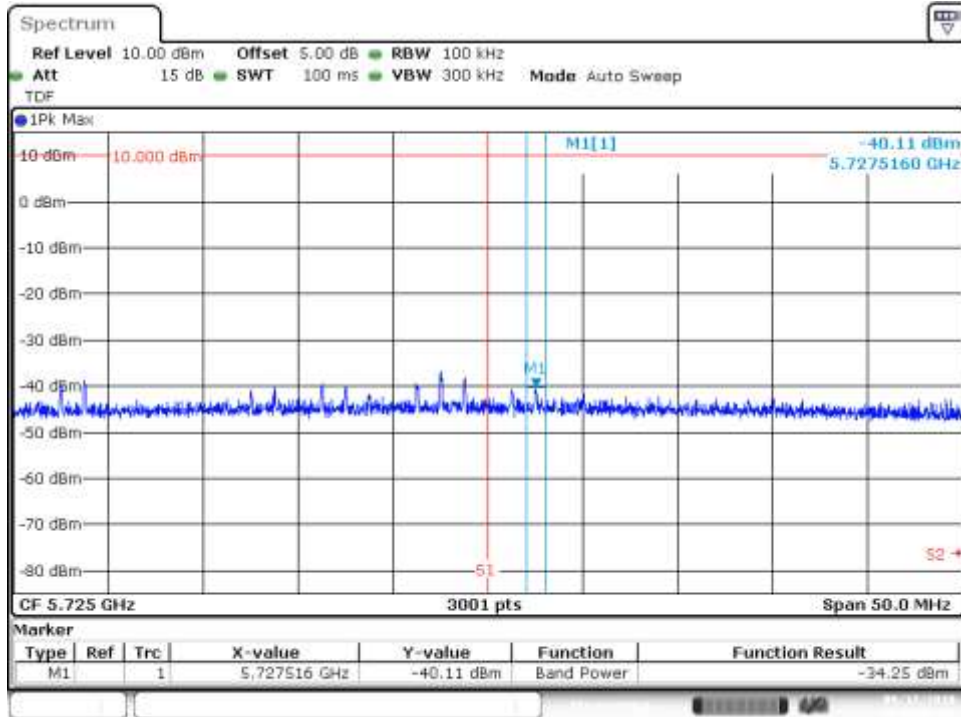
802.11ax160, HE0 (MIMO) – Chain A

BE Low Freq Section, RMS & Peak – CH114



Date: 17.SEP.2018 18:49:52

BE High Freq Section, Peak – CH114



Date: 17.SEP.2018 18:49:11

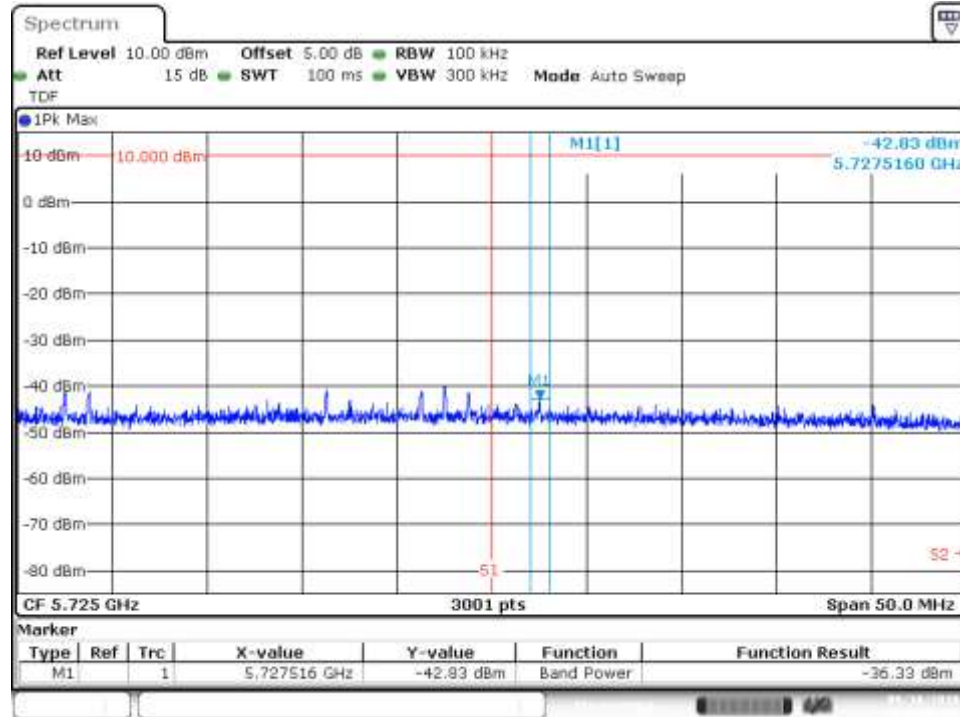
802.11ax160, HE0 (MIMO) – Chain B

BE Low Freq Section, RMS & Peak – CH114



Date: 18.SEP.2018 14:19:50

BE High Freq Section, Peak – CH114



Date: 18.SEP.2018 14:19:00