



FCC Radio Test Report

FCC ID : UIDTG6442
Equipment : Telephone Gateway
Brand Name : ARRIS
Model Name : TG6442; TG6441
Applicant : ARRIS
3871 Lakefield Drive, Suite 300, Suwanee, GA 30024
Manufacturer : ARRIS
3871 Lakefield Drive, Suite 300, Suwanee, GA 30024
Standard : 47 CFR FCC Part 15.407

The product was received on Nov. 02, 2020, and testing was started from Nov. 28, 2020 and completed on Jun. 18, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



Table of Contents

HISTORY OF THIS TEST REPORT3

SUMMARY OF TEST RESULT4

1 GENERAL DESCRIPTION5

1.1 Information.....5

1.2 Testing Applied Standards12

1.3 Testing Location Information12

1.4 Measurement Uncertainty12

2 TEST CONFIGURATION OF EUT.....13

2.1 Test Channel Mode13

2.2 The Worst Case Measurement Configuration19

2.3 Accessories20

2.4 Support Equipment.....20

2.5 Test Setup Diagram21

3 TRANSMITTER TEST RESULT22

3.1 Emission Bandwidth22

3.2 Maximum Conducted Output Power23

3.3 Peak Power Spectral Density.....25

3.4 Unwanted Emissions.....27

4 TEST EQUIPMENT AND CALIBRATION DATA.....31

APPENDIX A. TEST RESULTS OF EMISSION BANDWIDTH

APPENDIX B. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER

APPENDIX C. TEST RESULTS OF PEAK POWER SPECTRAL DENSITY

APPENDIX D. TEST RESULTS OF UNWANTED EMISSIONS

APPENDIX E. TEST PHOTOS

PHOTOGRAPHS OF EUT V01



Summary of Test Result

| Report Clause | Ref. Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|------------------|-----------------------------------|--------------------|----------------|
| 1.1.2 | 15.203 | Antenna Requirement | PASS | - |
| - | 15.207 | AC Power-line Conducted Emissions | Not Required | Refer as 1.1.6 |
| 3.1 | 15.407(a) | Emission Bandwidth | PASS | - |
| 3.2 | 15.407(a) | Maximum Conducted Output Power | PASS | - |
| 3.3 | 15.407(a) | Peak Power Spectral Density | PASS | - |
| 3.4 | 15.407(b) | Unwanted Emissions | PASS | - |

| |
|--|
| Declaration of Conformity: |
| The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. |
| Comments and explanations: |
| None |

Reviewed by: Sam Tsai

Report Producer: Amber Chiu



1 General Description

1.1 Information

1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number | Max Output Power (dBm) |
|-----------------------|--------------------------|--------------------------|----------------|------------------------|
| 5250-5350 | a, n (HT20), ac (VHT20) | 5260-5320 | 52-64 [4] | 29.89 |
| 5470-5725 | ax (HEW20) | 5500-5700 | 100-140 [11] | |
| Straddle 5720 | | 5720 | 144 [1] | |
| 5250-5350 | | n (HT40), ac (VHT40) | 5270-5310 | |
| 5470-5725 | ax (HEW40) | 5510-5670 | 102-134 [5] | |
| Straddle 5710 | | 5710 | 142 [1] | |
| 5250-5350 | | ac (VHT80), ax (HEW80) | 5290 | |
| 5470-5725 | ac (VHT80), ax (HEW80) | 5530-5610 | 106-122 [2] | |
| Straddle 5690 | | 5690 | 138 [1] | |
| 5150-5350 | | ac (VHT160), ax (HEW160) | 5250 | |
| 5470-5725 | ac (VHT160), ax (HEW160) | 5570 | 114 [1] | |

Non-Beamforming (4T1S)

| Band | Mode | BWch (MHz) | Nant |
|---------------|-----------------|------------|------|
| 5.25-5.35GHz | 802.11a | 20 | 4TX |
| 5.47-5.725GHz | 802.11a | 20 | 4TX |
| 5.725-5.85GHz | 802.11a | 20 | 4TX |
| 5.25-5.35GHz | 802.11ac VHT20 | 20 | 4TX |
| 5.47-5.725GHz | 802.11ac VHT20 | 20 | 4TX |
| 5.725-5.85GHz | 802.11ac VHT20 | 20 | 4TX |
| 5.25-5.35GHz | 802.11ac VHT40 | 40 | 4TX |
| 5.47-5.725GHz | 802.11ac VHT40 | 40 | 4TX |
| 5.725-5.85GHz | 802.11ac VHT40 | 40 | 4TX |
| 5.25-5.35GHz | 802.11ac VHT80 | 80 | 4TX |
| 5.47-5.725GHz | 802.11ac VHT80 | 80 | 4TX |
| 5.725-5.85GHz | 802.11ac VHT80 | 80 | 4TX |
| 5.15-5.25GHz | 802.11ac VHT160 | 160 | 4TX |
| 5.25-5.35GHz | 802.11ac VHT160 | 160 | 4TX |



| Band | Mode | BWch (MHz) | Nant |
|---------------|-----------------|------------|------|
| 5.47-5.725GHz | 802.11ac VHT160 | 160 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW20 | 20 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW20 | 20 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW20 | 20 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW40 | 40 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW40 | 40 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW40 | 40 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW80 | 80 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW80 | 80 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW80 | 80 | 4TX |
| 5.15-5.25GHz | 802.11ax HEW160 | 160 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW160 | 160 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW160 | 160 | 4TX |

Non-Beamforming (4T4S)

| Band | Mode | BWch (MHz) | Nant |
|---------------|-----------------|------------|------|
| 5.25-5.35GHz | 802.11ac VHT20 | 20 | 4TX |
| 5.47-5.725GHz | 802.11ac VHT20 | 20 | 4TX |
| 5.725-5.85GHz | 802.11ac VHT20 | 20 | 4TX |
| 5.25-5.35GHz | 802.11ac VHT40 | 40 | 4TX |
| 5.47-5.725GHz | 802.11ac VHT40 | 40 | 4TX |
| 5.725-5.85GHz | 802.11ac VHT40 | 40 | 4TX |
| 5.25-5.35GHz | 802.11ac VHT80 | 80 | 4TX |
| 5.47-5.725GHz | 802.11ac VHT80 | 80 | 4TX |
| 5.725-5.85GHz | 802.11ac VHT80 | 80 | 4TX |
| 5.15-5.25GHz | 802.11ac VHT160 | 160 | 4TX |
| 5.25-5.35GHz | 802.11ac VHT160 | 160 | 4TX |
| 5.47-5.725GHz | 802.11ac VHT160 | 160 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW20 | 20 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW20 | 20 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW20 | 20 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW40 | 40 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW40 | 40 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW40 | 40 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW80 | 80 | 4TX |



| Band | Mode | BWch (MHz) | Nant |
|---------------|-----------------|------------|------|
| 5.47-5.725GHz | 802.11ax HEW80 | 80 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW80 | 80 | 4TX |
| 5.15-5.25GHz | 802.11ax HEW160 | 160 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW160 | 160 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW160 | 160 | 4TX |

Beamforming

| Band | Mode | BWch (MHz) | Nant |
|---------------|--------------------|------------|------|
| 5.25-5.35GHz | 802.11ac VHT20-BF | 20 | 4TX |
| 5.47-5.725GHz | 802.11ac VHT20-BF | 20 | 4TX |
| 5.725-5.85GHz | 802.11ac VHT20-BF | 20 | 4TX |
| 5.25-5.35GHz | 802.11ac VHT40-BF | 40 | 4TX |
| 5.47-5.725GHz | 802.11ac VHT40-BF | 40 | 4TX |
| 5.725-5.85GHz | 802.11ac VHT40-BF | 40 | 4TX |
| 5.25-5.35GHz | 802.11ac VHT80-BF | 80 | 4TX |
| 5.47-5.725GHz | 802.11ac VHT80-BF | 80 | 4TX |
| 5.725-5.85GHz | 802.11ac VHT80-BF | 80 | 4TX |
| 5.15-5.25GHz | 802.11ac VHT160-BF | 160 | 4TX |
| 5.25-5.35GHz | 802.11ac VHT160-BF | 160 | 4TX |
| 5.47-5.725GHz | 802.11ac VHT160-BF | 160 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW20-BF | 20 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW20-BF | 20 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW20-BF | 20 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW40-BF | 40 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW40-BF | 40 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW40-BF | 40 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW80-BF | 80 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW80-BF | 80 | 4TX |
| 5.725-5.85GHz | 802.11ax HEW80-BF | 80 | 4TX |
| 5.15-5.25GHz | 802.11ax HEW160-BF | 160 | 4TX |
| 5.25-5.35GHz | 802.11ax HEW160-BF | 160 | 4TX |
| 5.47-5.725GHz | 802.11ax HEW160-BF | 160 | 4TX |

Note:

- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80, VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.



- ◆ HEW20, HEW40, HEW80, HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ◆ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

| Ant. | Port | Brand | Model Name | Antenna Type | Connector |
|------|------|------------|------------------|--------------|-----------|
| 1 | 4 | Galtronics | 02036140-07247C1 | PIFA | Murata |
| 2 | 3 | Galtronics | 02036140-07247E1 | PIFA | Murata |
| 3 | 2 | Galtronics | 02036140-07247C2 | PIFA | Murata |
| 4 | 1 | Galtronics | 02036140-07247B1 | PIFA | Murata |

| Frequency (MHz) | BW (MHz) | 5G Directional Gain (dBi) | |
|-----------------|----------|---------------------------|-----------------------------|
| | | 4TX 1Stream (Correlated) | 4TX 4Streams (Uncorrelated) |
| 5180 | 20 | 6.52 | 0.5 |
| 5200 | 20 | 6.52 | 0.5 |
| 5240 | 20 | 6.52 | 0.5 |
| 5260 | 20 | 6.52 | 0.5 |
| 5300 | 20 | 6.52 | 0.5 |
| 5320 | 20 | 6.52 | 0.5 |
| 5500 | 20 | 6.32 | 0.3 |
| 5580 | 20 | 6.32 | 0.3 |
| 5700 | 20 | 6.32 | 0.3 |
| 5720 | 20 | 6.32 | 0.3 |
| 5745 | 20 | 6.42 | 0.4 |
| 5785 | 20 | 6.42 | 0.4 |
| 5825 | 20 | 6.42 | 0.4 |
| 5190 | 40 | 6.52 | 0.5 |
| 5230 | 40 | 6.52 | 0.5 |
| 5270 | 40 | 6.52 | 0.5 |
| 5310 | 40 | 6.52 | 0.5 |
| 5510 | 40 | 6.32 | 0.3 |
| 5550 | 40 | 6.32 | 0.3 |
| 5670 | 40 | 6.32 | 0.3 |
| 5710 | 40 | 6.32 | 0.3 |
| 5755 | 40 | 6.42 | 0.4 |
| 5795 | 40 | 6.42 | 0.4 |
| 5210 | 80 | 6.52 | 0.5 |
| 5290 | 80 | 6.52 | 0.5 |
| 5530 | 80 | 6.32 | 0.3 |



| Frequency (MHz) | BW (MHz) | 5G Directional Gain (dBi) | |
|-----------------|----------|---------------------------|-----------------------------|
| | | 4TX 1Stream (Correlated) | 4TX 4Streams (Uncorrelated) |
| 5610 | 80 | 6.32 | 0.3 |
| 5690 | 80 | 6.32 | 0.3 |
| 5775 | 80 | 6.42 | 0.4 |
| 5250 | 160 | 6.52 | 0.5 |
| 5570 | 160 | 6.42 | 0.4 |

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (4TX/4RX)

Ant. 1 (port 4), Ant. 2 (port 3), Ant. 3 (port 2) and Ant. 4 (port 1) could transmit/receive simultaneously.

1.1.3 EUT Information

| Operational Condition | | | | |
|-------------------------------------|---|-------------------|-------------------------------------|-----------------------|
| EUT Power Type | From AC Adapter | | | |
| EUT Function | <input type="checkbox"/> | Outdoor AP | <input checked="" type="checkbox"/> | Indoor AP |
| | <input type="checkbox"/> | Fixed P2P AP | <input type="checkbox"/> | Outdoor/Indoor Client |
| Beamforming Function | <input checked="" type="checkbox"/> | With beamforming | <input type="checkbox"/> | Without beamforming |
| TPC Function | <input checked="" type="checkbox"/> | With TPC Function | <input type="checkbox"/> | Without TPC Function |
| Weather Band | <input checked="" type="checkbox"/> | With 5600~5650MHz | <input type="checkbox"/> | Without 5600~5650MHz |
| Type of EUT | | | | |
| <input checked="" type="checkbox"/> | Stand-alone | | | |
| <input type="checkbox"/> | Combined (EUT where the radio part is fully integrated within another device) | | | |
| | Combined Equipment - Brand Name / Model No.: | | ... | |
| <input type="checkbox"/> | Plug-in radio (EUT intended for a variety of host systems) | | | |
| | Host System - Brand Name / Model No.: | | | |
| <input type="checkbox"/> | Other: | | | |



1.1.4 Mode Test Duty Cycle

Non-Beamforming (4T1S)

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) \geq 1/T |
|---------------------------------|-------|---------|-------------------------|-------------------------|
| 802.11a_Nss1,(6Mbps)_4TX | 0.993 | 0.03 | n/a (DC \geq 0.98) | n/a (DC \geq 0.98) |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 0.992 | 0.03 | n/a (DC \geq 0.98) | n/a (DC \geq 0.98) |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 0.979 | 0.09 | 2.432m | 1k |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 0.95 | 0.22 | 1.144m | 1k |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | 0.895 | 0.48 | 592.5u | 3k |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 0.994 | 0.03 | n/a (DC \geq 0.98) | n/a (DC \geq 0.98) |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 0.988 | 0.05 | n/a (DC \geq 0.98) | n/a (DC \geq 0.98) |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 0.975 | 0.11 | 942.5u | 3k |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 0.937 | 0.28 | 493.75u | 3k |

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming (4T4S)

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) \geq 1/T |
|---------------------------------|-------|---------|----------|--------------------|
| 802.11ac VHT20_Nss4,(MCS0)_4TX | 0.959 | 0.18 | 1.297m | 1k |
| 802.11ac VHT40_Nss4,(MCS0)_4TX | 0.915 | 0.39 | 652.5u | 3k |
| 802.11ac VHT80_Nss4,(MCS0)_4TX | 0.826 | 0.83 | 328.438u | 10k |
| 802.11ac VHT160_Nss4,(MCS0)_4TX | 0.735 | 1.34 | 192.813u | 10k |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | 0.975 | 0.11 | 1.004m | 1k |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | 0.958 | 0.19 | 541.25u | 3k |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | 0.899 | 0.46 | 296.563u | 10k |
| 802.11ax HEW160_Nss4,(MCS0)_4TX | 0.852 | 0.7 | 188.75u | 10k |

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.



Beamforming

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|------------------------------------|-------|---------|--------|---------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 0.926 | 0.33 | 3.847m | 300 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 0.937 | 0.28 | 4.619m | 300 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 0.935 | 0.29 | 5.111m | 300 |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | 0.925 | 0.34 | 5.314m | 300 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 0.94 | 0.27 | 5.338m | 300 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 0.935 | 0.29 | 5.377m | 300 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 0.944 | 0.25 | 5.397m | 300 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 0.881 | 0.55 | 2.58m | 1k |

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

1.1.5 Table for Multiple Listing

| Sample | Model | Phone Jack |
|--------|--------|------------|
| 1 | TG6442 | 2 |
| 2 | TG6441 | 1 |

Note: Sample 1 configuration was measured during the test.

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR001610AN

Below is the table for the change of the product with respect to the original one.

| Modifications | Performance Checking |
|---------------------------------|---|
| U-NII-2A and U-NII-2C was added | Emission Bandwidth, Maximum Conducted Output Power, Peak Power Spectral Density and Unwanted Emissions above 1GHz |

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ◆ 47 CFR FCC Part 15
- ◆ ANSI C63.10-2013
- ◆ KDB 789033 D02 v02r01

The following reference test guidance is not within the scope of accreditation of TAF:

- ◆ KDB 662911 D01 v02r01
- ◆ KDB 414788 D01 v01r01

1.3 Testing Location Information

| Test Lab. : Sporton International Inc. Hsinhua Laboratory | | | | |
|--|---|---------------------|----------------------|-------------------------|
| <input checked="" type="checkbox"/> Hsinhua (TAF: 3785) | ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.) | | | |
| | TEL: 886-3-327-3456 | FAX: 886-3-327-0973 | | |
| Test site Designation No. TW3785 with FCC. | | | | |
| Test Condition | Test Site No. | Test Engineer | Test Environment | Test Date |
| RF Conducted | TH01-HY | Vivi Jiang | 20.1~26.9°C / 50~63% | 03/Dec/2020~18/Jun/2021 |
| Radiated | 03CH03-HY | Edward Wang | 19.8~25.8°C / 59~61% | 28/Nov/2020~16/Jun/2021 |
| <input type="checkbox"/> Wen 33rd.St. (TAF: 3785) | ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) | | | |
| | TEL: 886-3-318-0787 | FAX: 886-3-318-0287 | | |
| Test site Designation No. TW0008 with FCC. | | | | |

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

| Test Items | Uncertainty | Remark |
|--------------------------------------|-------------|--------------------------|
| Conducted Emission (150kHz ~ 30MHz) | 0.9 dB | Confidence levels of 95% |
| Radiated Emission (9kHz ~ 30MHz) | 2.4 dB | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 3.7 dB | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz) | 3.6 dB | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz) | 3.5 dB | Confidence levels of 95% |
| Conducted Emission | 1.0 dB | Confidence levels of 95% |
| Temperature | 0.41 °C | Confidence levels of 95% |
| Humidity | 3.4 % | Confidence levels of 95% |



2 Test Configuration of EUT

2.1 Test Channel Mode

| | |
|---------------|---------|
| Test Software | DUT GUI |
|---------------|---------|

Non-Beamforming (4T1S)

| Mode | Power Setting |
|--------------------------------|---------------|
| 802.11a_Nss1,(6Mbps)_4TX | - |
| 5260MHz | 19 |
| 5300MHz | 19 |
| 5320MHz | 19 |
| 5500MHz | 18.5 |
| 5580MHz | 19 |
| 5700MHz | 17.5 |
| 5720MHz Straddle 5.47-5.725GHz | 20 |
| 5720MHz Straddle 5.725-5.85GHz | 20 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | - |
| 5260MHz | 19.5 |
| 5300MHz | 19.5 |
| 5320MHz | 19.5 |
| 5500MHz | 18 |
| 5580MHz | 19.5 |
| 5700MHz | 18 |
| 5720MHz Straddle 5.47-5.725GHz | 20 |
| 5720MHz Straddle 5.725-5.85GHz | 20 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | - |
| 5270MHz | 19.5 |
| 5310MHz | 17.5 |
| 5510MHz | 17.5 |
| 5550MHz | 19 |
| 5670MHz | 19 |
| 5710MHz Straddle 5.47-5.725GHz | 20 |
| 5710MHz Straddle 5.725-5.85GHz | 20 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | - |
| 5290MHz | 17 |
| 5530MHz | 15 |



| Mode | Power Setting |
|---------------------------------|---------------|
| 5610MHz | 19.5 |
| 5690MHz Straddle 5.47-5.725GHz | 19.5 |
| 5690MHz Straddle 5.725-5.85GHz | 19.5 |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | - |
| 5250MHz Straddle 5.15-5.25GHz | 13 |
| 5250MHz Straddle 5.25-5.35GHz | 13 |
| 5570MHz | 13.5 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - |
| 5260MHz | 18.5 |
| 5300MHz | 18.5 |
| 5320MHz | 18.5 |
| 5500MHz | 17.5 |
| 5580MHz | 18.5 |
| 5700MHz | 17.5 |
| 5720MHz Straddle 5.47-5.725GHz | 20.5 |
| 5720MHz Straddle 5.725-5.85GHz | 20.5 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - |
| 5270MHz | 18.5 |
| 5310MHz | 16.5 |
| 5510MHz | 16.5 |
| 5550MHz | 18.5 |
| 5670MHz | 19 |
| 5710MHz Straddle 5.47-5.725GHz | 20 |
| 5710MHz Straddle 5.725-5.85GHz | 20 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | - |
| 5290MHz | 15 |
| 5530MHz | 14 |
| 5610MHz | 19 |
| 5690MHz Straddle 5.47-5.725GHz | 20 |
| 5690MHz Straddle 5.725-5.85GHz | 20 |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | - |
| 5250MHz Straddle 5.15-5.25GHz | 12.5 |
| 5250MHz Straddle 5.25-5.35GHz | 12.5 |
| 5570MHz | 13 |



Non-Beamforming (4T4S)

| Mode | Power Setting |
|---------------------------------|---------------|
| 802.11ac VHT20_Nss4,(MCS0)_4TX | - |
| 5260MHz | 19.5 |
| 5300MHz | 19.5 |
| 5320MHz | 19.5 |
| 5500MHz | 19.5 |
| 5580MHz | 19.5 |
| 5700MHz | 19.5 |
| 5720MHz Straddle 5.47-5.725GHz | 20 |
| 5720MHz Straddle 5.725-5.85GHz | 20 |
| 802.11ac VHT40_Nss4,(MCS0)_4TX | - |
| 5270MHz | 18.5 |
| 5310MHz | 17 |
| 5510MHz | 17 |
| 5550MHz | 18.5 |
| 5670MHz | 18.5 |
| 5710MHz Straddle 5.47-5.725GHz | 19 |
| 5710MHz Straddle 5.725-5.85GHz | 19 |
| 802.11ac VHT80_Nss4,(MCS0)_4TX | - |
| 5290MHz | 16 |
| 5530MHz | 13.5 |
| 5610MHz | 19 |
| 5690MHz Straddle 5.47-5.725GHz | 19 |
| 5690MHz Straddle 5.725-5.85GHz | 19 |
| 802.11ac VHT160_Nss4,(MCS0)_4TX | - |
| 5250MHz Straddle 5.15-5.25GHz | 10.5 |
| 5250MHz Straddle 5.25-5.35GHz | 10.5 |
| 5570MHz | 10.5 |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | - |
| 5260MHz | 18.5 |
| 5300MHz | 18.5 |
| 5320MHz | 18.5 |
| 5500MHz | 19 |
| 5580MHz | 18.5 |
| 5700MHz | 19 |



| Mode | Power Setting |
|---------------------------------|---------------|
| 5720MHz Straddle 5.47-5.725GHz | 20 |
| 5720MHz Straddle 5.725-5.85GHz | 20 |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | - |
| 5270MHz | 18.5 |
| 5310MHz | 17 |
| 5510MHz | 17 |
| 5550MHz | 18.5 |
| 5670MHz | 19 |
| 5710MHz Straddle 5.47-5.725GHz | 20 |
| 5710MHz Straddle 5.725-5.85GHz | 20 |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | - |
| 5290MHz | 16.5 |
| 5530MHz | 14.5 |
| 5610MHz | 19 |
| 5690MHz Straddle 5.47-5.725GHz | 19.5 |
| 5690MHz Straddle 5.725-5.85GHz | 19.5 |
| 802.11ax HEW160_Nss4,(MCS0)_4TX | - |
| 5250MHz Straddle 5.15-5.25GHz | 11 |
| 5250MHz Straddle 5.25-5.35GHz | 11 |
| 5570MHz | 12 |

Beamforming

| Mode | Power Setting |
|-----------------------------------|---------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | - |
| 5260MHz | 51 |
| 5300MHz | 51 |
| 5320MHz | 51 |
| 5500MHz | 51 |
| 5580MHz | 51 |
| 5700MHz | 38 |
| 5720MHz Straddle 5.47-5.725GHz | 51 |
| 5720MHz Straddle 5.725-5.85GHz | 51 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | - |
| 5270MHz | 50 |
| 5310MHz | 50 |




| Mode | Power Setting |
|------------------------------------|---------------|
| 5510MHz | 50 |
| 5550MHz | 50 |
| 5670MHz | 50 |
| 5710MHz Straddle 5.47-5.725GHz | 50 |
| 5710MHz Straddle 5.725-5.85GHz | 50 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | - |
| 5290MHz | 51 |
| 5530MHz | 47 |
| 5610MHz | 50 |
| 5690MHz Straddle 5.47-5.725GHz | 50 |
| 5690MHz Straddle 5.725-5.85GHz | 50 |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | - |
| 5250MHz Straddle 5.15-5.25GHz | 40 |
| 5250MHz Straddle 5.25-5.35GHz | 40 |
| 5570MHz | 46 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | - |
| 5260MHz | 51 |
| 5300MHz | 51 |
| 5320MHz | 51 |
| 5500MHz | 51 |
| 5580MHz | 51 |
| 5700MHz | 51 |
| 5720MHz Straddle 5.47-5.725GHz | 50 |
| 5720MHz Straddle 5.725-5.85GHz | 50 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | - |
| 5270MHz | 50 |
| 5310MHz | 50 |
| 5510MHz | 50 |
| 5550MHz | 50 |
| 5670MHz | 50 |
| 5710MHz Straddle 5.47-5.725GHz | 50 |
| 5710MHz Straddle 5.725-5.85GHz | 50 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | - |
| 5290MHz | 51 |
| 5530MHz | 47 |



| Mode | Power Setting |
|------------------------------------|----------------------|
| 5610MHz | 52 |
| 5690MHz Straddle 5.47-5.725GHz | 50 |
| 5690MHz Straddle 5.725-5.85GHz | 50 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | - |
| 5250MHz Straddle 5.15-5.25GHz | 43 |
| 5250MHz Straddle 5.25-5.35GHz | 43 |
| 5570MHz | 46 |

2.2 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| Tests Item | Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density |
| Test Condition | Conducted measurement at transmit chains |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| Tests Item | Unwanted Emissions |
| Test Condition | Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type. |
| Operating Mode > 1GHz | CTX |
| Orthogonal Planes of EUT | Y Plane |
| |  |

| The Worst Case Mode for Following Conformance Tests | |
|---|------------------------------------|
| Tests Item | Simultaneous Transmission Analysis |
| Test Condition | Radiated measurement |
| Operating Mode | CTX |
| 1 | WLAN 2.4GHz +WLAN 5GHz |
| Refer to Sporton Test Report No.: FA001610-01 for Co-location RF Exposure Evaluation. | |



2.3 Accessories

| Accessories | | | | |
|-------------|--------------|---|------------|----------------|
| AC Adapter | Brand Name | NetBit | Model Name | NBS42D120350VU |
| | Power Rating | I/P: 100 - 240Vac, 1 A,O/P: 12Vdc, 3.5 A | | |
| | Power Cord | 1.8 meter, non-shielded cable, w/o ferrite core | | |

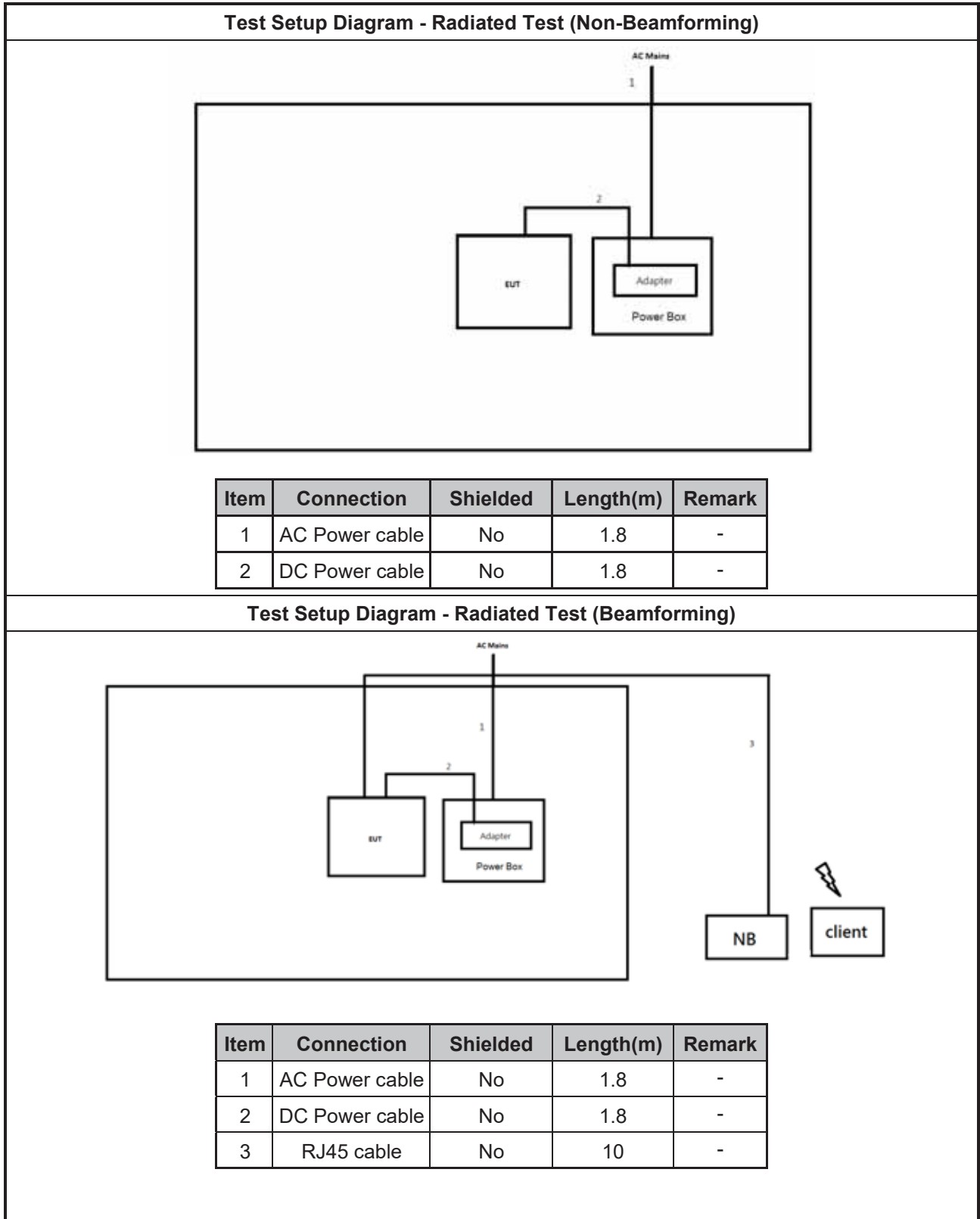
Reminder: Regarding to more detail and other information, please refer to user manual.

2.4 Support Equipment

| Support Equipment – Radiated | | | | | |
|------------------------------|-----------|------------|------------|--------|-------------------------------|
| No. | Equipment | Brand Name | Model Name | FCC ID | Remark |
| 1 | Client | - | - | - | Provided by Customer (Remote) |
| 2 | Notebook | HP | E5540 | - | Remote |

| Support Equipment – Conducted | | | | | |
|-------------------------------|----------------|------------|------------|--------|--------|
| No. | Equipment | Brand Name | Model Name | FCC ID | Remark |
| 1 | Notebook | DELL | E5410 | - | - |
| 2 | Adapter for NB | DELL | HA65NM130 | - | - |

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

| Emission Bandwidth Limit | |
|-------------------------------------|---|
| UNII Devices | |
| <input checked="" type="checkbox"/> | For the 5.15-5.25 GHz band, N/A |
| <input checked="" type="checkbox"/> | For the 5.25-5.35 GHz band, N/A |
| <input checked="" type="checkbox"/> | For the 5.47-5.725 GHz band, N/A |
| <input checked="" type="checkbox"/> | For the 5.725-5.85 GHz band, 6 dB emission bandwidth \geq 500kHz. |

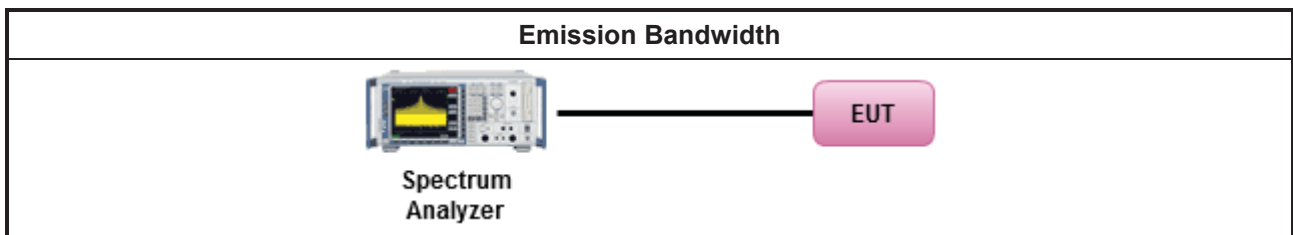
3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

| Test Method | |
|--|---|
| <ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: | |
| <input checked="" type="checkbox"/> | Refer as KDB 789033, clause C for EBW and clause D for OBW measurement. |
| <input type="checkbox"/> | Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing. |
| <input type="checkbox"/> | Refer as IC RSS-Gen, clause 6.7 for bandwidth testing. |

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A



3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

| Maximum Conducted Output Power Limit | |
|---|--|
| UNII Devices | |
| <input checked="" type="checkbox"/> For the 5.15-5.25 GHz band: | |
| | <ul style="list-style-type: none"> ▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees $\leq 125mW$ [21dBm] ▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ ▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. ▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$. |
| <input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$. | |
| <input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$. | |
| <input checked="" type="checkbox"/> For the 5.725-5.85 GHz band: | |
| | <ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. |
| P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi. | |

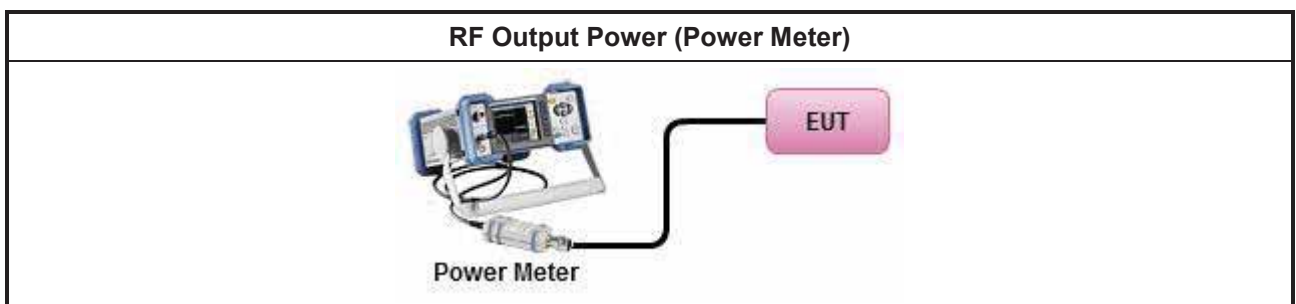
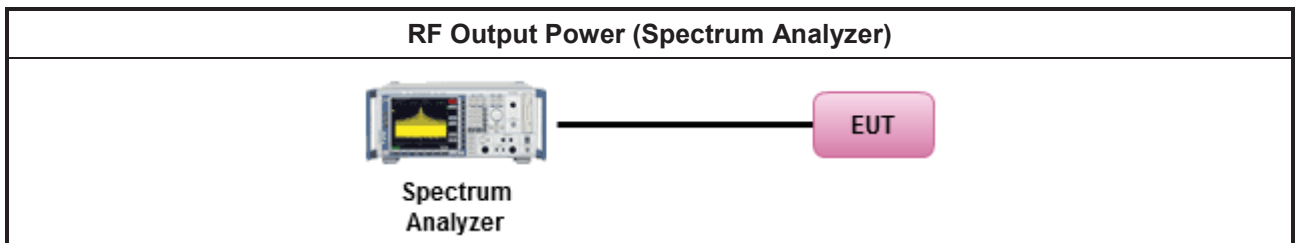
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

| Test Method | |
|--|--|
| <ul style="list-style-type: none"> Maximum Conducted Output Power | |
| | Duty cycle ≥ 98% |
| <input checked="" type="checkbox"/> | Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging). |
| | Duty cycle < 98% |
| <input checked="" type="checkbox"/> | Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed) |
| | Wideband RF power meter and average over on/off periods with duty factor |
| <input checked="" type="checkbox"/> | Refer as KDB 789033, clause E Method PM (using an RF average power meter). |
| <ul style="list-style-type: none"> For conducted measurement. | |
| | <ul style="list-style-type: none"> If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them. |
| | <ul style="list-style-type: none"> If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$ |

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B



3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

| Peak Power Spectral Density Limit | |
|--|--|
| UNII Devices | |
| <input checked="" type="checkbox"/> For the 5.15-5.25 GHz band: | |
| <input type="checkbox"/> | <ul style="list-style-type: none"> ▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. ▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. ▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. ▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$. |
| <input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$. | |
| <input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$. | |
| <input checked="" type="checkbox"/> For the 5.725-5.85 GHz band: | |
| <input type="checkbox"/> | <ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. |
| <p>PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz</p> <p>G_{TX} = the maximum transmitting antenna directional gain in dBi.</p> | |

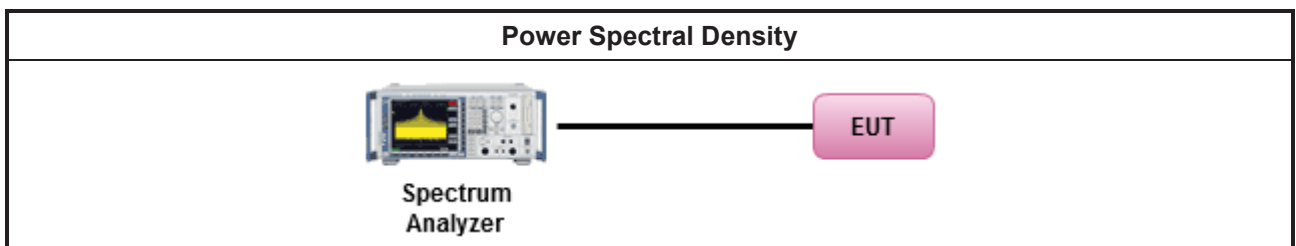
3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

| Test Method | |
|---|--|
| <ul style="list-style-type: none"> Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options: | |
| <input type="checkbox"/> | Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth Duty cycle ≥ 98% |
| <input checked="" type="checkbox"/> | Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging). Duty cycle < 98% |
| <input checked="" type="checkbox"/> | Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed) |
| <ul style="list-style-type: none"> For conducted measurement. | |
| <ul style="list-style-type: none"> If the EUT supports multiple transmit chains using options given below: | |
| <input type="checkbox"/> | <ul style="list-style-type: none"> Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace. |
| <input type="checkbox"/> | If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$ |

3.3.4 Test Setup



3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C



3.4 Unwanted Emissions

3.4.1 Transmitter Radiated Unwanted Emissions Limit

| Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit | | | |
|---|-----------------------|-------------------------|----------------------|
| Frequency Range (MHz) | Field Strength (uV/m) | Field Strength (dBuV/m) | Measure Distance (m) |
| 0.009~0.490 | 2400/F(kHz) | 48.5 - 13.8 | 300 |
| 0.490~1.705 | 24000/F(kHz) | 33.8 - 23 | 30 |
| 1.705~30.0 | 30 | 29 | 30 |
| 30~88 | 100 | 40 | 3 |
| 88~216 | 150 | 43.5 | 3 |
| 216~960 | 200 | 46 | 3 |
| Above 960 | 500 | 54 | 3 |

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

| Un-restricted band emissions above 1GHz Limit | |
|---|---|
| Operating Band | Limit |
| 5.15 - 5.25 GHz | e.i.r.p. -27 dBm [68.2 dBuV/m@3m] |
| 5.25 - 5.35 GHz | e.i.r.p. -27 dBm [68.2 dBuV/m@3m] |
| 5.47 - 5.725 GHz | e.i.r.p. -27 dBm [68.2 dBuV/m@3m] |
| 5.725 - 5.85 GHz | 5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m] |

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

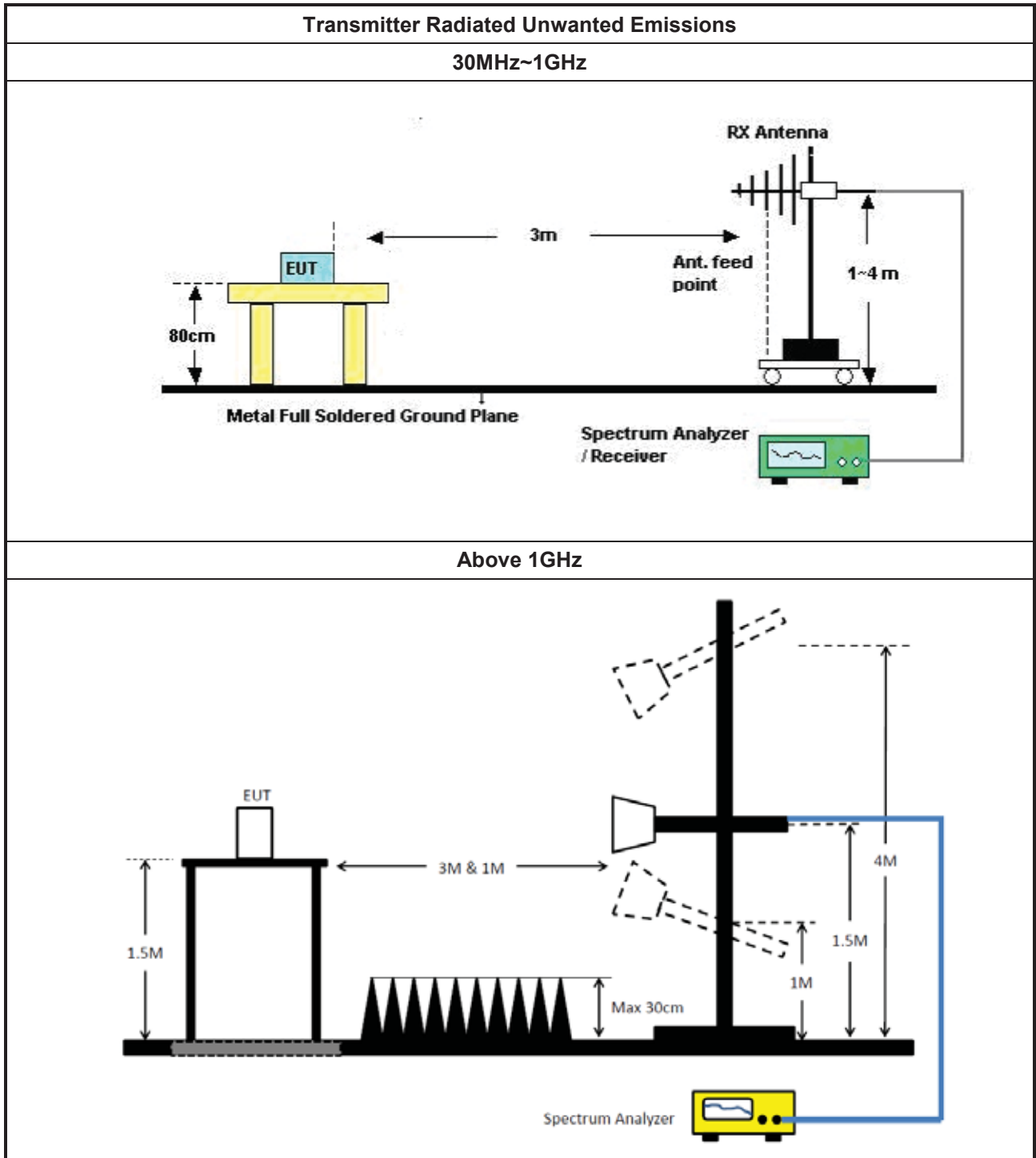
| Test Method | |
|--|---|
| <ul style="list-style-type: none"> ▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements). | |
| <ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. | |
| <ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: | |
| | <ul style="list-style-type: none"> ▪ Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands. |
| | <ul style="list-style-type: none"> ▪ Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands. |
| <input checked="" type="checkbox"/> | Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW. |
| <input checked="" type="checkbox"/> | Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit. |
| <ul style="list-style-type: none"> ▪ For radiated measurement. | |
| | <ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m. |
| | <ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m. |
| | <ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. |
| <ul style="list-style-type: none"> ▪ The any unwanted emissions level shall not exceed the fundamental emission level. | |
| <ul style="list-style-type: none"> ▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported. | |
| <ul style="list-style-type: none"> ▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification. | |
| | <ul style="list-style-type: none"> ▪ Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field. |
| | <ul style="list-style-type: none"> ▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result. |

3.4.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.4.5 Test Setup





3.4.6 Transmitter Unwanted Emissions (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.4.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



4 Test Equipment and Calibration Data

Instrument for Conducted Test

| Instrument | Manufacturer /Brand | Model No. | Serial No. | Spec. | Calibration Date | Calibration Due Date |
|--------------------------------|---------------------|-----------|------------|--------------|------------------|----------------------|
| Signal Analyzer | R&S | FSV 40 | 101029 | 10Hz~40GHz | 19/Oct/2020 | 18/Oct/2021 |
| SMB100A Signal Generator | R&S | SMB100A03 | 181147 | 100kHz~40GHz | 20/Oct/2020 | 19/Oct/2022 |
| Pulse Sensor | Anritsu | MA2411B | 1339407 | 300MHz~40GHz | 27/Nov/2020 | 26/Nov/2021 |
| Power Meter | Anritsu | ML2495A | 1517010 | 300MHz~40GHz | 27/Nov/2020 | 26/Nov/2021 |

Instrument for Radiated Test

| Instrument | Manufacturer /Brand | Model No. | Serial No. | Spec. | Calibration Date | Calibration Due Date |
|--|---------------------|-------------|--------------------------------|------------------|------------------|----------------------|
| 3m Semi Anechoic Chamber | SIDT FRANKONIA | SAC-3M | 03CH03-HY | 1GHz~18GHz 3m | 04/Aug/2020 | 03/Aug/2021 |
| Signal Analyzer | R&S | FSV40 | 101500 | 10Hz~40GHz | 19/Aug/2020 | 18/Aug/2021 |
| Microwave System Preamplifier | KEYSIGHT | 83017A | MY53270196 | 1GHz~26.5GHz | 06/Oct/2020 | 05/Oct/2021 |
| Double Ridged Guide Horn Antenna | SCHWARZBECK | BBHA 9120 D | BBHA 9120 D 1531 | 1GHz~18GHz | 26/Mar/2020 | 25/Mar/2021 |
| Double Ridged Guide Horn Antenna | SCHWARZBECK | BBHA 9120 D | BBHA 9120 D 1531 | 1GHz~18GHz | 24/Mar/2021 | 23/Mar/2022 |
| RF CABLE 5+6m | HUBER+SUHNER | SUOFLEX 104 | SN MY38596/4+SN 804300/4 | 1GHz~40GHz | 04/Aug/2020 | 03/Aug/2021 |
| Broadband Horn Antenna | SCHWARZBECK | BBHA 9170 | BBHA 9170221 | 18GHz~40GHz | 13/Mar/2020 | 12/Mar/2021 |
| Broadband Horn Antenna | SCHWARZBECK | BBHA 9170 | BBHA 9170221 | 15GHz~40GHz | 11/Mar/2021 | 10/Mar/2022 |



Summary

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---------------------------------|---------------|--------------|----------|---------------|--------------|
| 5.15-5.25GHz | - | - | - | - | - |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | 87.48M | 77.361M | 77M4D1D | 86.04M | 77.001M |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 85.8M | 78.681M | 78M7D1D | 85.08M | 78.441M |
| 5.25-5.35GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 27.78M | 17.061M | 17M1D1D | 23.16M | 16.792M |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 29.52M | 18.231M | 18M2D1D | 24.54M | 17.991M |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 50.76M | 36.942M | 36M9D1D | 44.34M | 36.642M |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 93.48M | 76.642M | 76M6D1D | 89.52M | 76.162M |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | 87M | 77.241M | 77M2D1D | 86.04M | 77.001M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 25.14M | 19.13M | 19M1D1D | 23.79M | 19.04M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 47.04M | 38.321M | 38M3D1D | 43.74M | 38.021M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 88.8M | 77.961M | 78MOD1D | 87M | 77.841M |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 86.4M | 78.681M | 78M7D1D | 83.76M | 78.321M |
| 5.47-5.725GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 27.75M | 17.001M | 17MOD1D | 16.321M | 13.427M |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 29.37M | 18.171M | 18M2D1D | 16.748M | 14.059M |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 51.48M | 36.942M | 36M9D1D | 36.923M | 33.227M |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 93.6M | 76.642M | 76M6D1D | 80.388M | 72.829M |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | 172.8M | 155.682M | 156MD1D | 172.08M | 155.202M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 24.93M | 19.13M | 19M1D1D | 16.596M | 14.526M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 46.62M | 38.261M | 38M3D1D | 36.754M | 33.936M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 89.52M | 78.081M | 78M1D1D | 78.47M | 73.566M |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 172.8M | 157.121M | 157MD1D | 168.48M | 156.402M |
| 5.725-5.85GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 3.195M | 4.198M | 4M20D1D | 3.18M | 4.033M |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 3.78M | 4.573M | 4M57D1D | 3.75M | 4.543M |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 3.225M | 4.198M | 4M20D1D | 3.135M | 4.078M |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 3.135M | 5.517M | 5M52D1D | 3.105M | 4.993M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 4.545M | 4.693M | 4M69D1D | 4.44M | 4.633M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 4.035M | 4.363M | 4M36D1D | 4.02M | 4.243M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 3.945M | 4.528M | 4M53D1D | 3.915M | 4.198M |

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth



Result

| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|---------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| 802.11a_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | Inf | 27.78M | 17.001M | 26.79M | 17.031M | 27.03M | 16.912M | 26.37M | 17.061M |
| 5300MHz | Pass | Inf | 27.48M | 17.001M | 26.73M | 17.061M | 27.48M | 16.972M | 26.91M | 16.912M |
| 5320MHz | Pass | Inf | 24.72M | 16.822M | 24.3M | 16.822M | 23.34M | 16.792M | 23.16M | 16.852M |
| 5500MHz | Pass | Inf | 25.05M | 16.762M | 24.12M | 16.822M | 23.37M | 16.702M | 22.92M | 16.792M |
| 5580MHz | Pass | Inf | 27.75M | 17.001M | 26.4M | 17.001M | 26.73M | 16.972M | 25.77M | 16.942M |
| 5700MHz | Pass | Inf | 24.57M | 16.792M | 24.12M | 16.792M | 23.43M | 16.822M | 23.07M | 16.792M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 16.706M | 13.427M | 16.555M | 13.441M | 16.321M | 13.468M | 16.39M | 13.427M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.18M | 4.033M | 3.195M | 4.093M | 3.195M | 4.198M | 3.18M | 4.093M |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | Inf | 27.51M | 18.141M | 28.65M | 18.141M | 29.01M | 18.141M | 29.34M | 18.171M |
| 5300MHz | Pass | Inf | 27.42M | 18.141M | 28.95M | 18.201M | 29.52M | 18.201M | 29.43M | 18.231M |
| 5320MHz | Pass | Inf | 24.54M | 18.051M | 24.84M | 17.991M | 25.89M | 18.021M | 25.86M | 18.021M |
| 5500MHz | Pass | Inf | 24.66M | 17.931M | 24.24M | 17.991M | 25.62M | 18.021M | 25.38M | 17.991M |
| 5580MHz | Pass | Inf | 27.3M | 18.171M | 29.04M | 18.111M | 29.31M | 18.171M | 29.37M | 18.141M |
| 5700MHz | Pass | Inf | 24.45M | 18.021M | 24.72M | 18.021M | 25.95M | 18.021M | 25.98M | 18.021M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 16.844M | 14.059M | 16.748M | 14.114M | 17.394M | 14.1M | 17.38M | 14.087M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.765M | 4.558M | 3.78M | 4.573M | 3.75M | 4.543M | 3.765M | 4.543M |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | Inf | 47.82M | 36.762M | 48.36M | 36.942M | 50.46M | 36.762M | 50.76M | 36.882M |
| 5310MHz | Pass | Inf | 44.58M | 36.642M | 44.34M | 36.702M | 45.3M | 36.702M | 46.26M | 36.762M |
| 5510MHz | Pass | Inf | 44.34M | 36.702M | 44.34M | 36.642M | 45.24M | 36.702M | 46.44M | 36.642M |
| 5550MHz | Pass | Inf | 48.12M | 36.822M | 49.14M | 36.822M | 50.64M | 36.942M | 51.48M | 36.882M |
| 5670MHz | Pass | Inf | 47.76M | 36.882M | 48.78M | 36.942M | 50.58M | 36.762M | 50.58M | 36.942M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 37.024M | 33.227M | 36.923M | 33.227M | 37.733M | 33.261M | 38.711M | 33.295M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.225M | 4.138M | 3.15M | 4.198M | 3.225M | 4.123M | 3.135M | 4.078M |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | Inf | 89.52M | 76.162M | 90.84M | 76.522M | 91.8M | 76.522M | 93.48M | 76.642M |
| 5530MHz | Pass | Inf | 89.88M | 76.642M | 90.72M | 76.642M | 91.56M | 76.402M | 93.6M | 76.282M |
| 5610MHz | Pass | Inf | 90.12M | 76.402M | 90.72M | 76.522M | 90.96M | 76.522M | 93.24M | 76.522M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 80.388M | 72.829M | 80.978M | 73.05M | 80.756M | 72.902M | 80.756M | 72.902M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.105M | 4.993M | 3.12M | 5.367M | 3.12M | 5.517M | 3.135M | 5.397M |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | Inf | 86.52M | 77.001M | 87.12M | 77.361M | 87.48M | 77.241M | 86.04M | 77.121M |
| 5250MHz Straddle 5.25-5.35GHz | Pass | Inf | 86.16M | 77.001M | 86.52M | 77.001M | 86.04M | 77.241M | 87M | 77.121M |
| 5570MHz | Pass | Inf | 172.08M | 155.682M | 172.8M | 155.442M | 172.8M | 155.202M | 172.08M | 155.202M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | Inf | 25.05M | 19.07M | 23.97M | 19.07M | 24.39M | 19.04M | 24.87M | 19.07M |
| 5300MHz | Pass | Inf | 24.87M | 19.1M | 23.79M | 19.04M | 24.06M | 19.07M | 25.14M | 19.07M |
| 5320MHz | Pass | Inf | 24.93M | 19.1M | 24.12M | 19.13M | 24.12M | 19.13M | 24.66M | 19.04M |
| 5500MHz | Pass | Inf | 24.93M | 19.07M | 24.06M | 19.1M | 23.85M | 19.1M | 24.36M | 19.07M |
| 5580MHz | Pass | Inf | 24.69M | 19.13M | 24.24M | 19.1M | 23.97M | 19.07M | 24.39M | 19.1M |
| 5700MHz | Pass | Inf | 24.9M | 19.13M | 24.06M | 19.1M | 23.94M | 19.07M | 24.69M | 19.04M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 16.789M | 14.554M | 16.596M | 14.554M | 16.693M | 14.54M | 17.133M | 14.526M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.47M | 4.693M | 4.53M | 4.648M | 4.44M | 4.648M | 4.545M | 4.633M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | Inf | 45.9M | 38.081M | 47.04M | 38.081M | 45M | 38.321M | 43.74M | 38.201M |
| 5310MHz | Pass | Inf | 45M | 38.081M | 44.7M | 38.021M | 44.04M | 38.141M | 44.1M | 38.141M |
| 5510MHz | Pass | Inf | 44.88M | 38.081M | 44.94M | 38.201M | 44.04M | 38.261M | 44.1M | 38.201M |
| 5550MHz | Pass | Inf | 46.32M | 38.201M | 46.62M | 38.201M | 45.12M | 38.081M | 44.98M | 38.201M |
| 5670MHz | Pass | Inf | 46.02M | 38.141M | 45.66M | 38.141M | 45.24M | 38.081M | 44.52M | 38.201M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 37.294M | 33.969M | 37.159M | 34.003M | 36.889M | 33.936M | 36.754M | 33.936M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.02M | 4.288M | 4.035M | 4.363M | 4.02M | 4.243M | 4.035M | 4.243M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | Inf | 87.96M | 77.961M | 88.8M | 77.961M | 87M | 77.841M | 87.24M | 77.841M |



| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|---------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| 5530MHz | Pass | Inf | 88.32M | 77.841M | 89.4M | 77.841M | 88.68M | 77.841M | 87.72M | 77.721M |
| 5610MHz | Pass | Inf | 87.84M | 77.961M | 89.52M | 77.841M | 88.08M | 77.961M | 86.64M | 78.081M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 79.06M | 73.713M | 79.06M | 73.566M | 78.765M | 73.639M | 78.47M | 73.639M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.945M | 4.213M | 3.945M | 4.528M | 3.93M | 4.318M | 3.915M | 4.198M |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | Inf | 85.2M | 78.681M | 85.08M | 78.441M | 85.2M | 78.441M | 85.8M | 78.561M |
| 5250MHz Straddle 5.25-5.35GHz | Pass | Inf | 86.4M | 78.321M | 83.88M | 78.321M | 85.44M | 78.441M | 83.76M | 78.681M |
| 5570MHz | Pass | Inf | 172.8M | 156.882M | 168.48M | 156.402M | 170.88M | 156.882M | 169.2M | 157.121M |

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
 Port X-OBW = Port X 99% occupied bandwidth

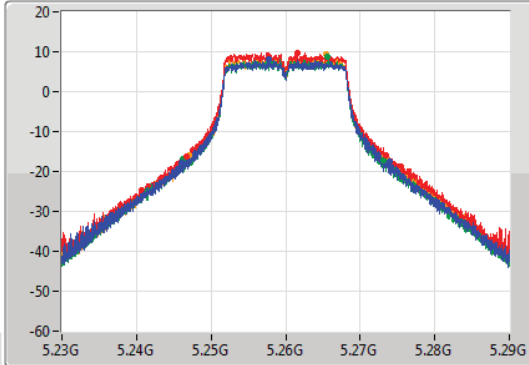
802.11a_Nss1,(6Mbps)_4TX

EBW

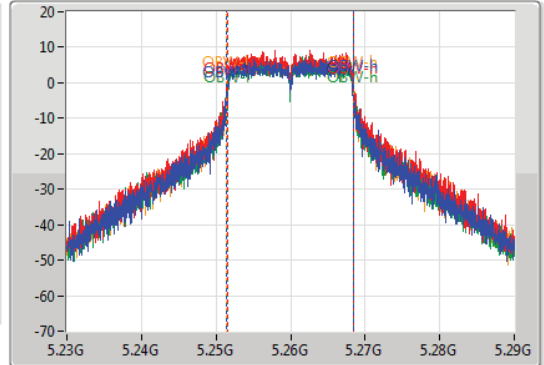
5260MHz

09/12/2020

CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 27.78M | 5.24611G | 5.27389G | 17.001M | 5.251454G | 5.268456G | Inf | 1 |
| 26.79M | 5.24671G | 5.2735G | 17.031M | 5.251484G | 5.268516G | Inf | 2 |
| 27.03M | 5.24614G | 5.27317G | 16.912M | 5.251514G | 5.268426G | Inf | 3 |
| 26.37M | 5.24704G | 5.27341G | 17.061M | 5.251454G | 5.268516G | Inf | 4 |

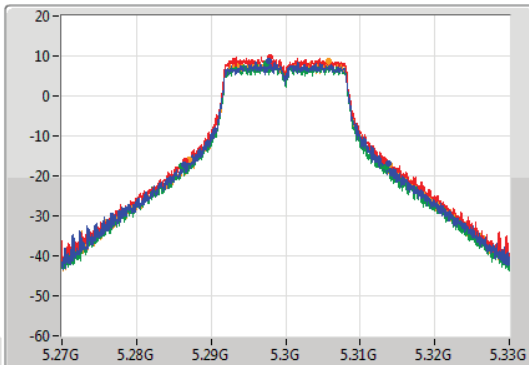
802.11a_Nss1,(6Mbps)_4TX

EBW

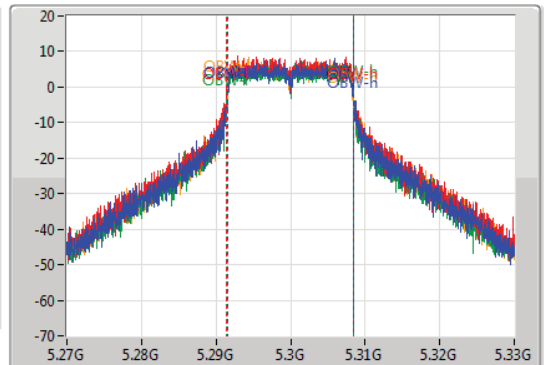
5300MHz

09/12/2020

CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 27.48M | 5.28632G | 5.3138G | 17.001M | 5.291484G | 5.308486G | Inf | 1 |
| 26.73M | 5.28656G | 5.31329G | 17.061M | 5.291424G | 5.308486G | Inf | 2 |
| 27.48M | 5.28599G | 5.31347G | 16.972M | 5.291424G | 5.308396G | Inf | 3 |
| 26.91M | 5.28707G | 5.31398G | 16.912M | 5.291544G | 5.308456G | Inf | 4 |

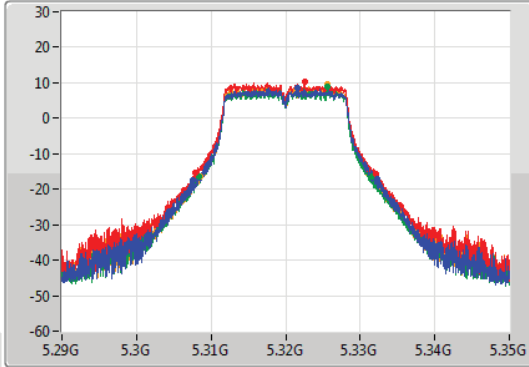
802.11a_Nss1,(6Mbps)_4TX

EBW

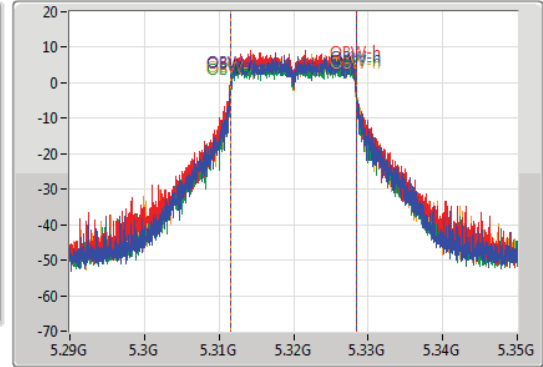
5320MHz

09/12/2020

CF: 5.32GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.32GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



Port 1
 Port 2
 Port 3
 Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 24.72M | 5.30755G | 5.33227G | 16.822M | 5.311574G | 5.328396G | Inf | 1 |
| 24.3M | 5.30785G | 5.33215G | 16.822M | 5.311544G | 5.328366G | Inf | 2 |
| 23.34M | 5.30833G | 5.33167G | 16.792M | 5.311574G | 5.328366G | Inf | 3 |
| 23.16M | 5.30851G | 5.33167G | 16.852M | 5.311514G | 5.328366G | Inf | 4 |

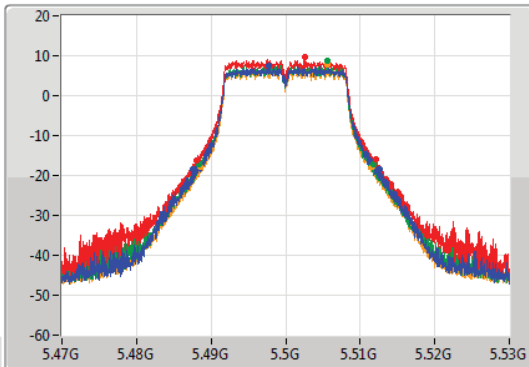
802.11a_Nss1,(6Mbps)_4TX

EBW

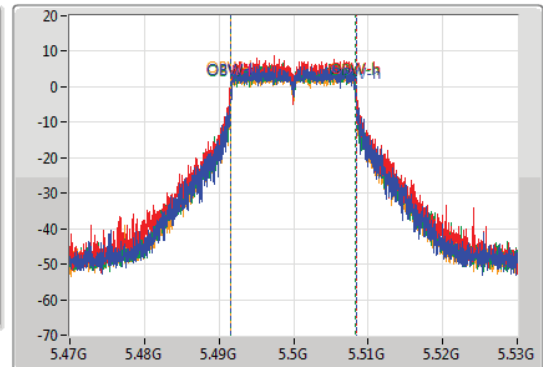
5500MHz

09/12/2020

CF: 5.5GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.5GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



Port 1
 Port 2
 Port 3
 Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 25.05M | 5.48758G | 5.51263G | 16.762M | 5.491604G | 5.508366G | Inf | 1 |
| 24.12M | 5.48797G | 5.51209G | 16.822M | 5.491544G | 5.508366G | Inf | 2 |
| 23.37M | 5.48833G | 5.5117G | 16.702M | 5.491604G | 5.508306G | Inf | 3 |
| 22.92M | 5.48863G | 5.51155G | 16.792M | 5.491604G | 5.508396G | Inf | 4 |

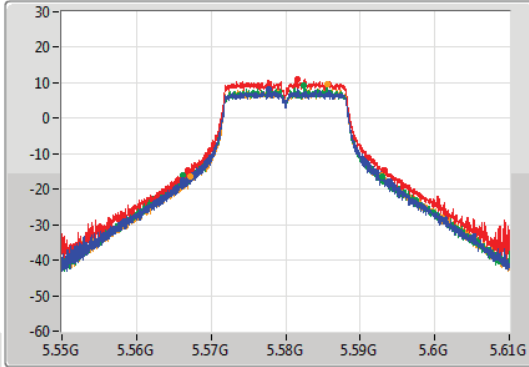
802.11a_Nss1,(6Mbps)_4TX

EBW

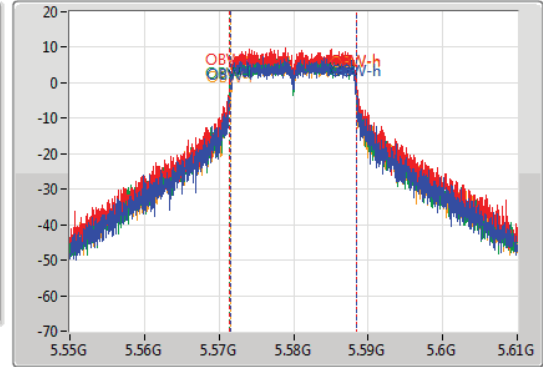
5580MHz

09/12/2020

CF
5.58GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.58GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 27.75M | 5.56623G | 5.59398G | 17.001M | 5.571484G | 5.588486G | Inf | 1 |
| 26.4M | 5.56683G | 5.59323G | 17.001M | 5.571454G | 5.588456G | Inf | 2 |
| 26.73M | 5.56623G | 5.59296G | 16.972M | 5.571454G | 5.588426G | Inf | 3 |
| 25.77M | 5.56716G | 5.59293G | 16.942M | 5.571484G | 5.588426G | Inf | 4 |

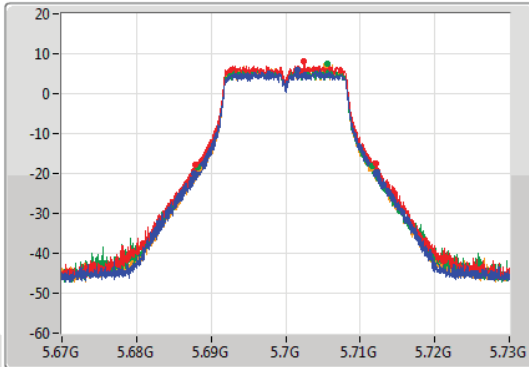
802.11a_Nss1,(6Mbps)_4TX

EBW

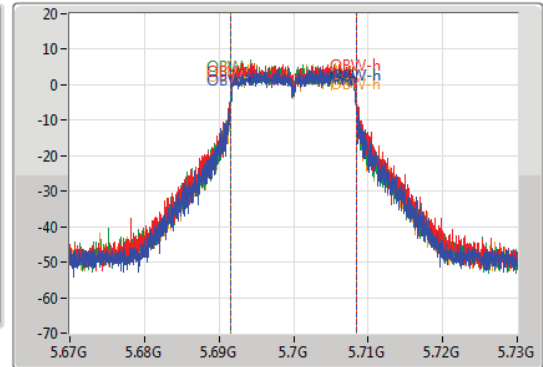
5700MHz

09/12/2020

CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

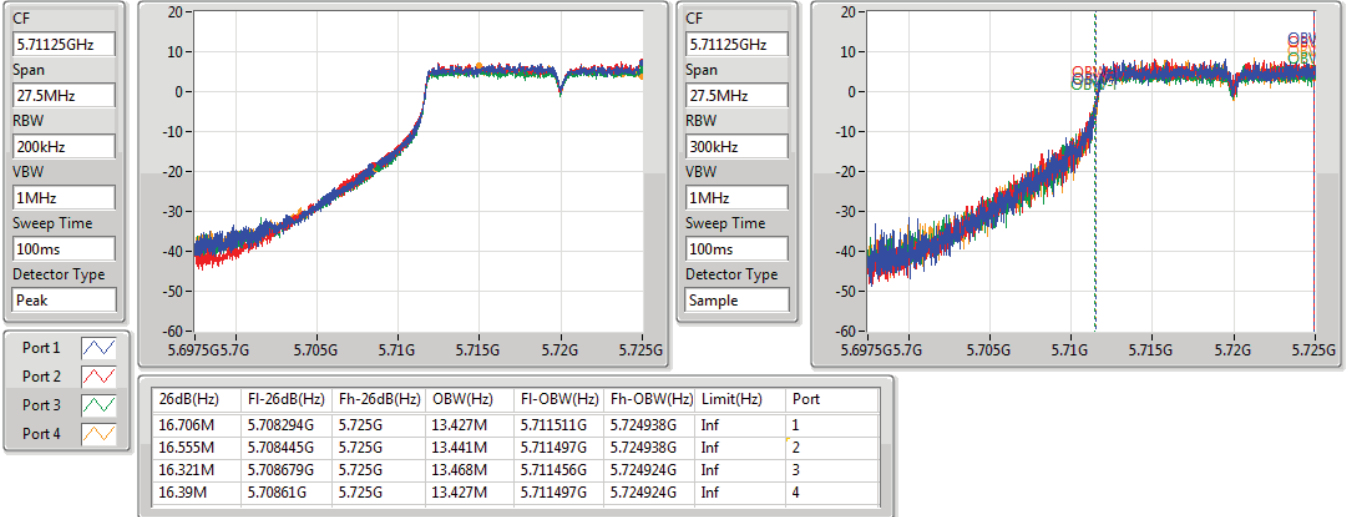
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 24.57M | 5.6877G | 5.71227G | 16.792M | 5.691574G | 5.708366G | Inf | 1 |
| 24.12M | 5.68794G | 5.71206G | 16.792M | 5.691574G | 5.708366G | Inf | 2 |
| 23.43M | 5.68824G | 5.71167G | 16.822M | 5.691544G | 5.708366G | Inf | 3 |
| 23.07M | 5.68842G | 5.71149G | 16.792M | 5.691574G | 5.708366G | Inf | 4 |

802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

18/06/2021

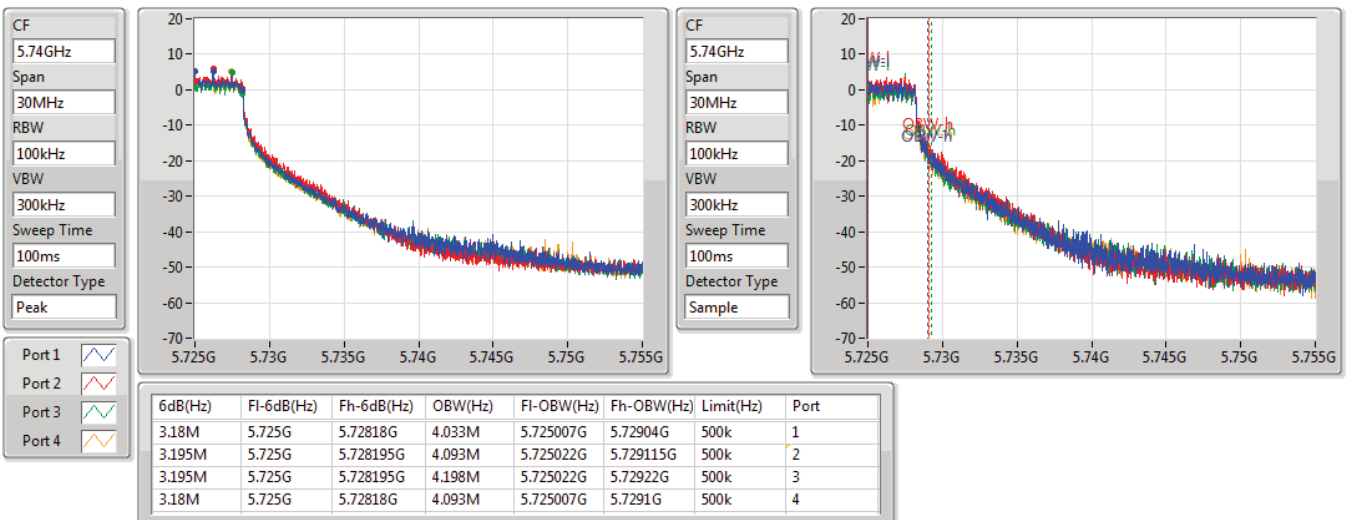


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

18/06/2021



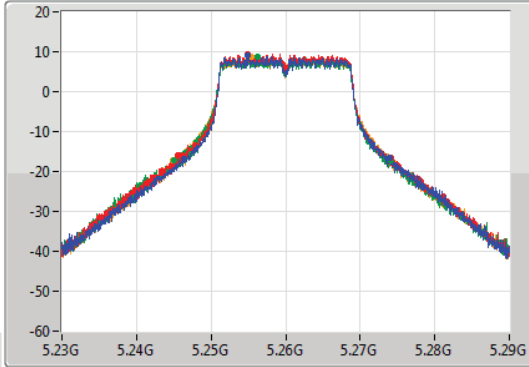
802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

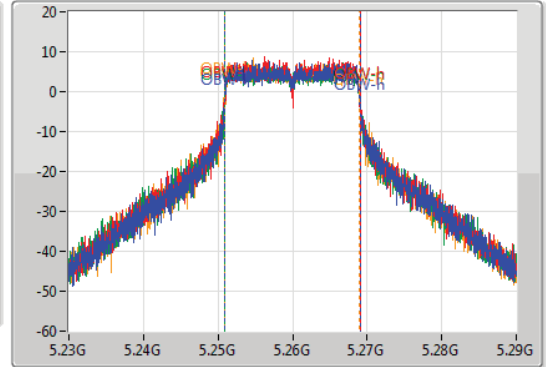
5260MHz

15/12/2020

CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 27.51M | 5.24641G | 5.27392G | 18.141M | 5.250885G | 5.269025G | Inf | 1 |
| 28.65M | 5.24551G | 5.27416G | 18.141M | 5.250885G | 5.269025G | Inf | 2 |
| 29.01M | 5.24506G | 5.27407G | 18.141M | 5.250885G | 5.269025G | Inf | 3 |
| 29.34M | 5.24485G | 5.27419G | 18.171M | 5.250825G | 5.268996G | Inf | 4 |

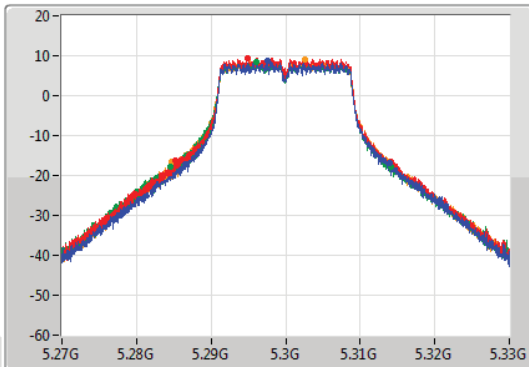
802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

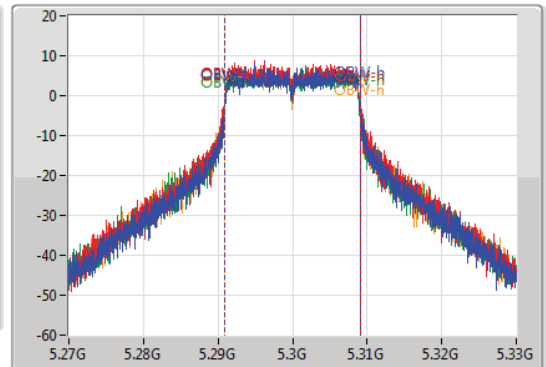
5300MHz

15/12/2020

CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 27.42M | 5.28647G | 5.31389G | 18.141M | 5.290915G | 5.309055G | Inf | 1 |
| 28.95M | 5.28524G | 5.31419G | 18.201M | 5.290885G | 5.309085G | Inf | 2 |
| 29.52M | 5.28458G | 5.3141G | 18.201M | 5.290825G | 5.309025G | Inf | 3 |
| 29.43M | 5.28476G | 5.31419G | 18.231M | 5.290855G | 5.309085G | Inf | 4 |

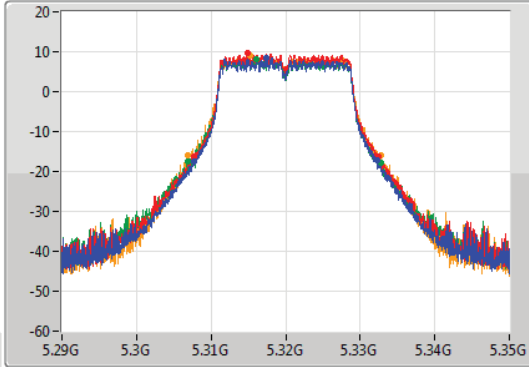
802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

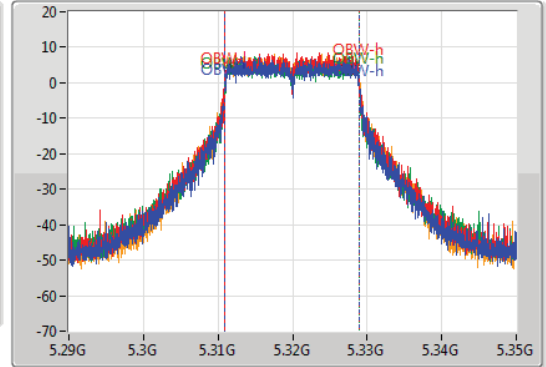
5320MHz

15/12/2020

CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 24.54M | 5.30773G | 5.33227G | 18.051M | 5.310945G | 5.328996G | Inf | 1 |
| 24.84M | 5.30764G | 5.33248G | 17.991M | 5.310975G | 5.328966G | Inf | 2 |
| 25.89M | 5.30686G | 5.33275G | 18.021M | 5.310915G | 5.328936G | Inf | 3 |
| 25.86M | 5.30692G | 5.33278G | 18.021M | 5.310975G | 5.328996G | Inf | 4 |

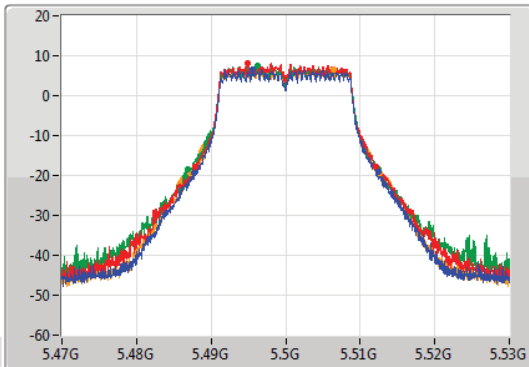
802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

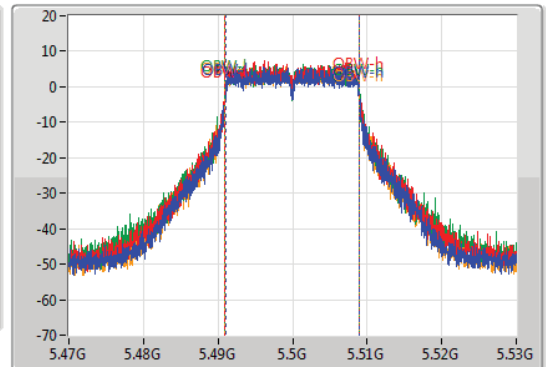
5500MHz

15/12/2020

CF
5.5GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.5GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 24.66M | 5.48773G | 5.51239G | 17.931M | 5.491004G | 5.508936G | Inf | 1 |
| 24.24M | 5.48782G | 5.51206G | 17.991M | 5.490975G | 5.508966G | Inf | 2 |
| 25.62M | 5.48689G | 5.51251G | 18.021M | 5.490945G | 5.508966G | Inf | 3 |
| 25.38M | 5.48728G | 5.51266G | 17.991M | 5.490975G | 5.508966G | Inf | 4 |

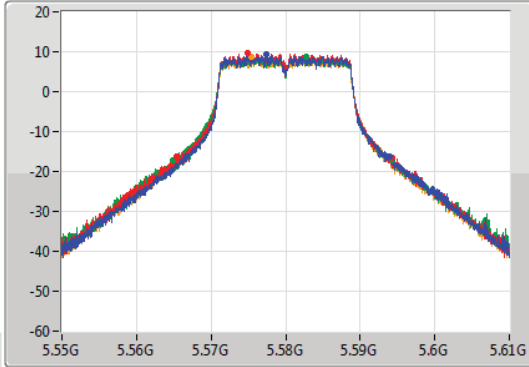
802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

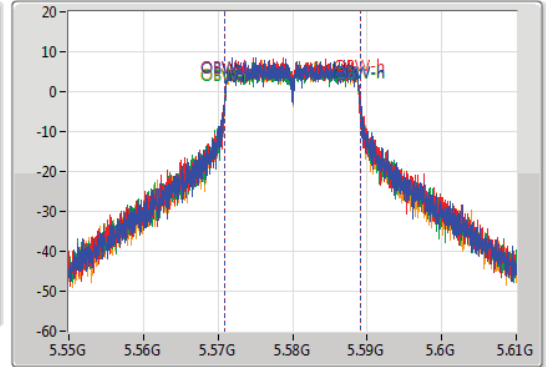
5580MHz

16/12/2020

CF
5.58GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.58GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 27.3M | 5.56668G | 5.59398G | 18.171M | 5.570885G | 5.589055G | Inf | 1 |
| 29.04M | 5.5653G | 5.59434G | 18.111M | 5.570915G | 5.589025G | Inf | 2 |
| 29.31M | 5.56491G | 5.59422G | 18.171M | 5.570855G | 5.589025G | Inf | 3 |
| 29.37M | 5.56485G | 5.59422G | 18.141M | 5.570885G | 5.589025G | Inf | 4 |

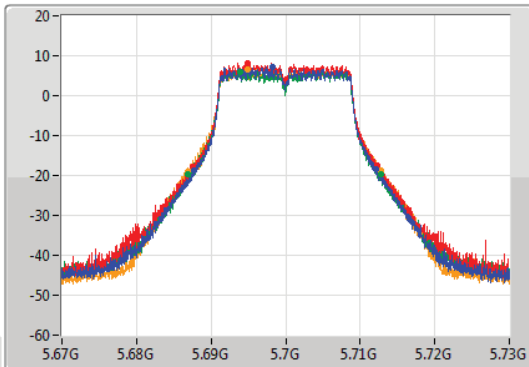
802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

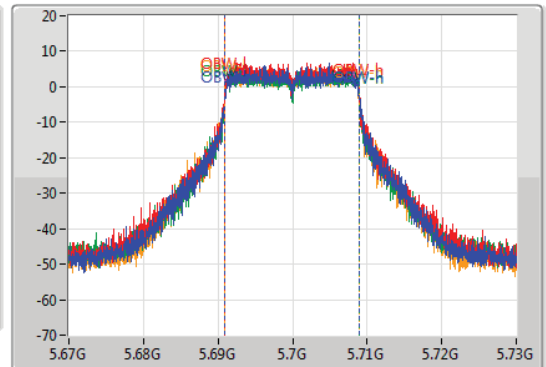
5700MHz

16/12/2020

CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

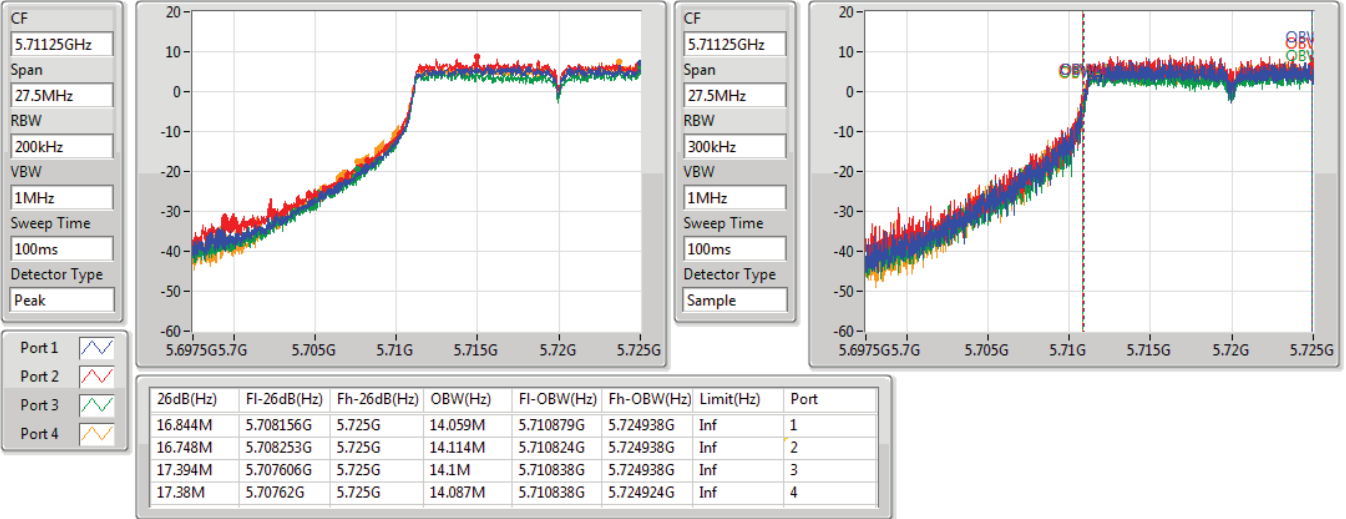
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 24.45M | 5.68773G | 5.71218G | 18.021M | 5.690975G | 5.708996G | Inf | 1 |
| 24.72M | 5.68755G | 5.71227G | 18.021M | 5.690915G | 5.708936G | Inf | 2 |
| 25.95M | 5.68686G | 5.71281G | 18.021M | 5.690915G | 5.708936G | Inf | 3 |
| 25.98M | 5.6868G | 5.71278G | 18.021M | 5.690945G | 5.708966G | Inf | 4 |

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

16/12/2020

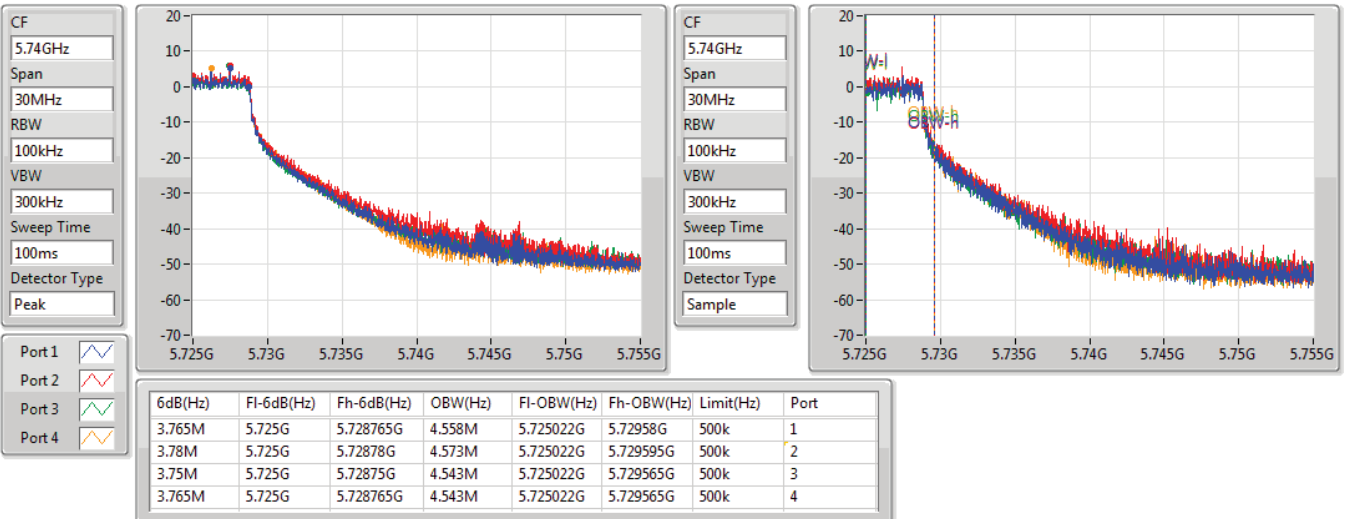


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

16/12/2020



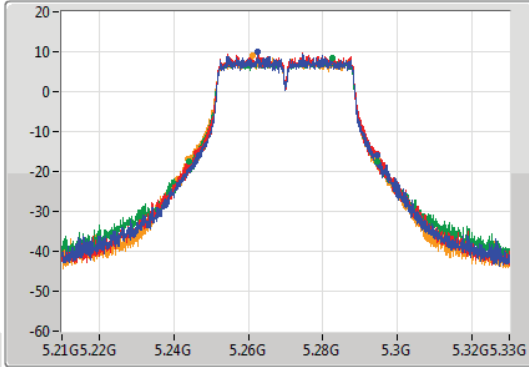
802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

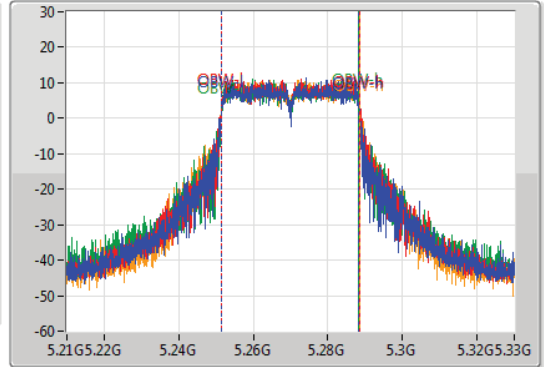
5270MHz

16/12/2020

CF
5.27GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.27GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 47.82M | 5.24672G | 5.29454G | 36.762M | 5.251589G | 5.288351G | Inf | 1 |
| 48.36M | 5.24606G | 5.29442G | 36.942M | 5.251529G | 5.288471G | Inf | 2 |
| 50.46M | 5.2442G | 5.29466G | 36.762M | 5.251529G | 5.288291G | Inf | 3 |
| 50.76M | 5.24384G | 5.2946G | 36.882M | 5.251529G | 5.288411G | Inf | 4 |

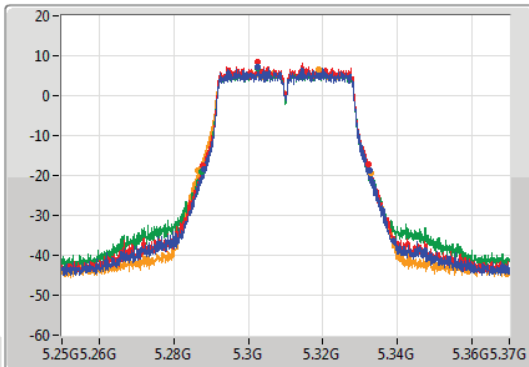
802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5310MHz

16/12/2020

CF
5.31GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 44.58M | 5.28798G | 5.33256G | 36.642M | 5.291649G | 5.328291G | Inf | 1 |
| 44.34M | 5.28786G | 5.3322G | 36.702M | 5.291589G | 5.328291G | Inf | 2 |
| 45.3M | 5.28738G | 5.33268G | 36.702M | 5.291589G | 5.328291G | Inf | 3 |
| 46.26M | 5.28654G | 5.3328G | 36.762M | 5.291589G | 5.328351G | Inf | 4 |

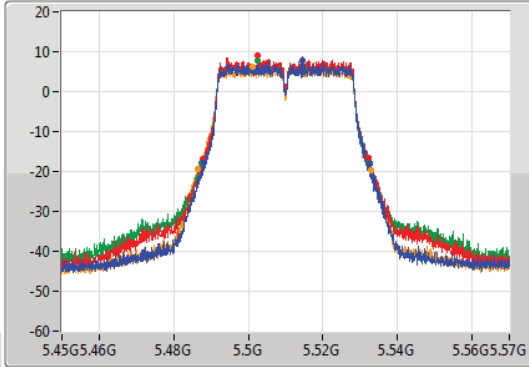
802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

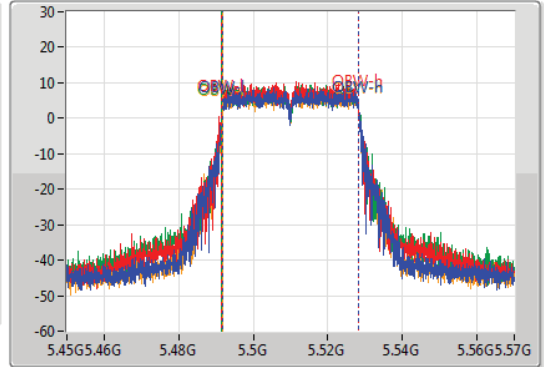
5510MHz

16/12/2020

CF: 5.51GHz
 Span: 120MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.51GHz
 Span: 120MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Sample



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 44.34M | 5.4881G | 5.53244G | 36.702M | 5.491649G | 5.528351G | Inf | 1 |
| 44.34M | 5.48792G | 5.53226G | 36.642M | 5.491589G | 5.528231G | Inf | 2 |
| 45.24M | 5.48738G | 5.53262G | 36.702M | 5.491589G | 5.528291G | Inf | 3 |
| 46.44M | 5.48636G | 5.5328G | 36.642M | 5.491649G | 5.528291G | Inf | 4 |

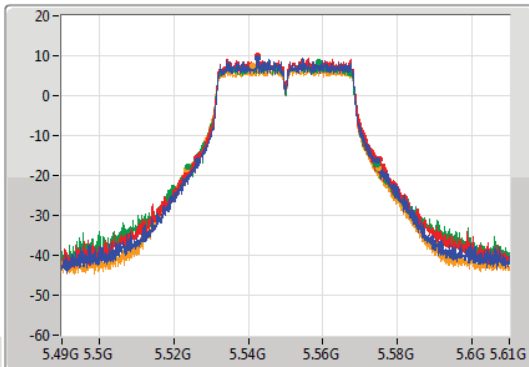
802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

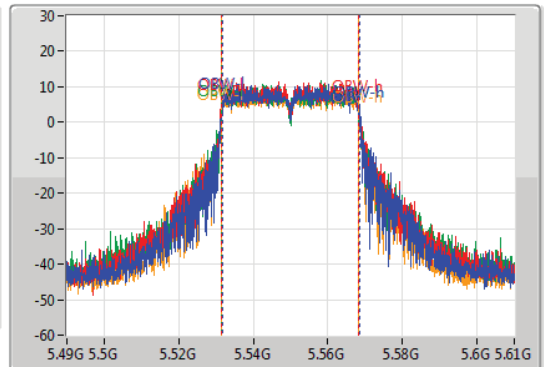
5550MHz

16/12/2020

CF: 5.55GHz
 Span: 120MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.55GHz
 Span: 120MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Sample



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 48.12M | 5.52648G | 5.5746G | 36.822M | 5.531649G | 5.568471G | Inf | 1 |
| 49.14M | 5.526G | 5.57514G | 36.822M | 5.531529G | 5.568351G | Inf | 2 |
| 50.64M | 5.52384G | 5.57448G | 36.942M | 5.531529G | 5.568471G | Inf | 3 |
| 51.48M | 5.52336G | 5.57484G | 36.882M | 5.531469G | 5.568351G | Inf | 4 |

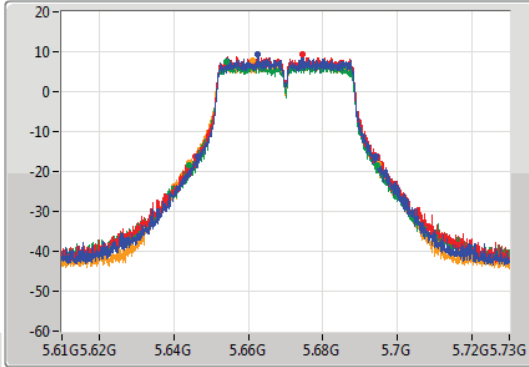
802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

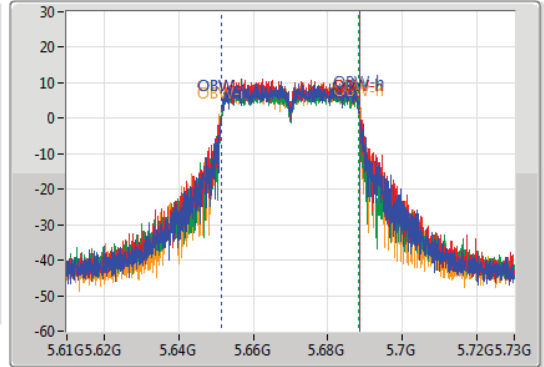
5670MHz

16/12/2020

CF
5.67GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.67GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 47.76M | 5.6466G | 5.69436G | 36.882M | 5.651589G | 5.688471G | Inf | 1 |
| 48.78M | 5.64588G | 5.69466G | 36.942M | 5.651529G | 5.688471G | Inf | 2 |
| 50.58M | 5.64396G | 5.69454G | 36.762M | 5.651529G | 5.688291G | Inf | 3 |
| 50.58M | 5.6442G | 5.69478G | 36.942M | 5.651469G | 5.688411G | Inf | 4 |

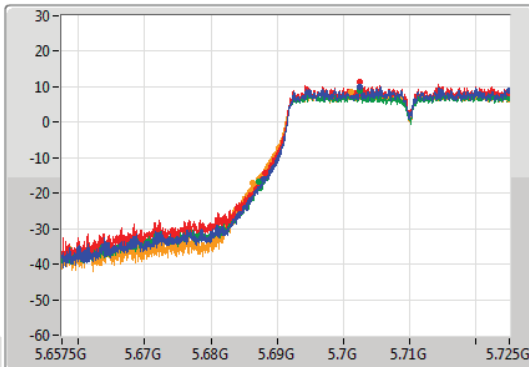
802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

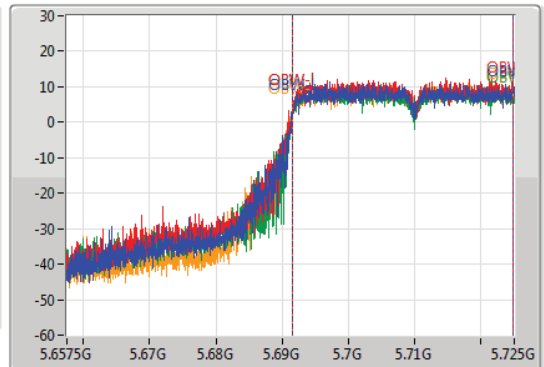
5710MHz Straddle 5.47-5.725GHz

16/12/2020

CF
5.69125GHz
Span
67.5MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.69125GHz
Span
67.5MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

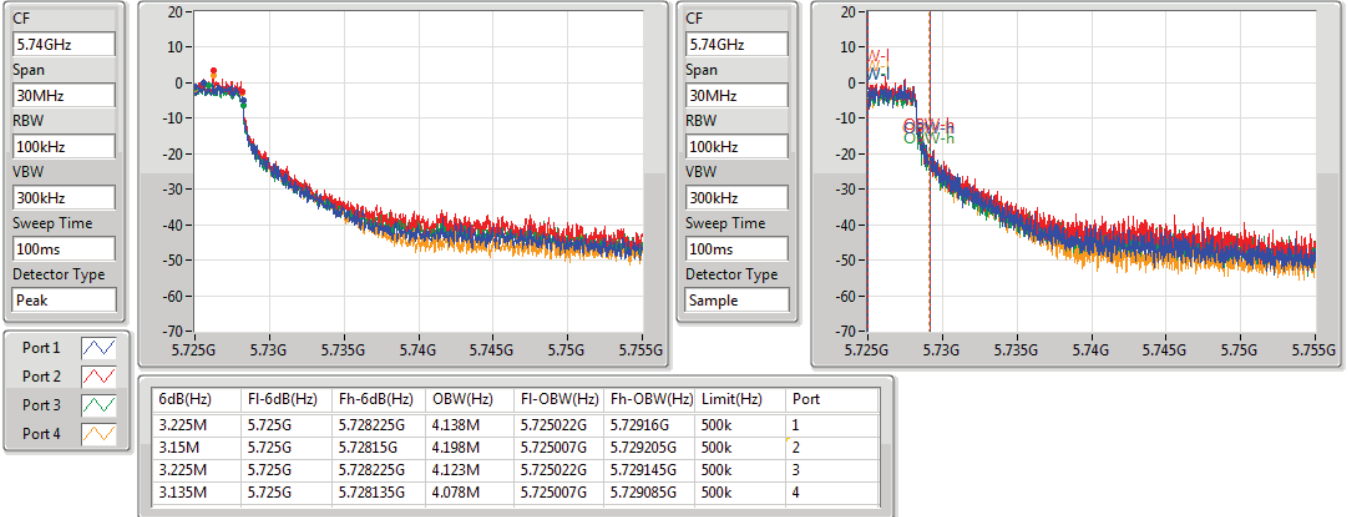
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 37.024M | 5.687976G | 5.725G | 33.227M | 5.691621G | 5.724848G | Inf | 1 |
| 36.923M | 5.688078G | 5.725G | 33.227M | 5.691587G | 5.724814G | Inf | 2 |
| 37.733M | 5.687268G | 5.725G | 33.261M | 5.691554G | 5.724814G | Inf | 3 |
| 38.711M | 5.686289G | 5.725G | 33.295M | 5.691554G | 5.724848G | Inf | 4 |

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

16/12/2020



802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5290MHz

16/12/2020



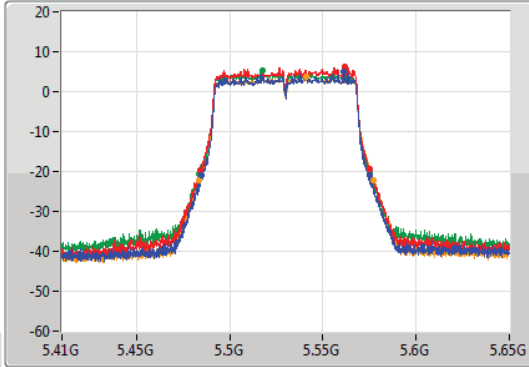
802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

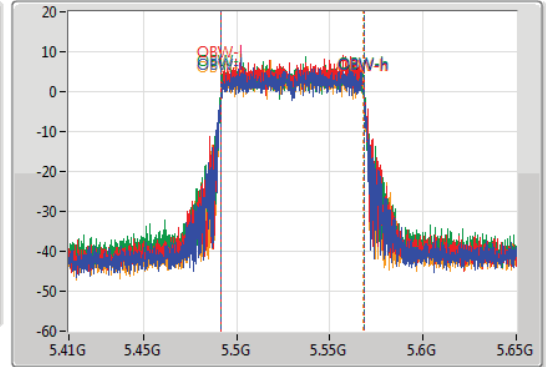
5530MHz

16/12/2020

CF
5.53GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 89.88M | 5.48512G | 5.575G | 76.642M | 5.491619G | 5.568261G | Inf | 1 |
| 90.72M | 5.48416G | 5.57488G | 76.642M | 5.491619G | 5.568261G | Inf | 2 |
| 91.56M | 5.48368G | 5.57524G | 76.402M | 5.491739G | 5.568141G | Inf | 3 |
| 93.6M | 5.48356G | 5.57716G | 76.282M | 5.491739G | 5.568021G | Inf | 4 |

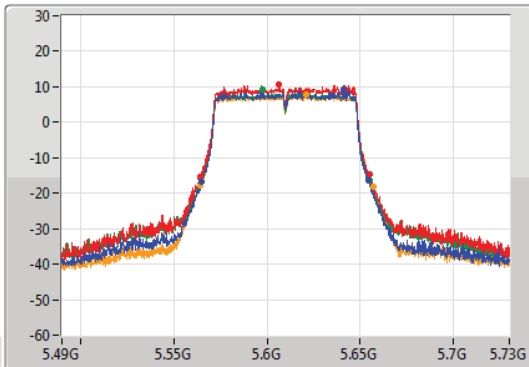
802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

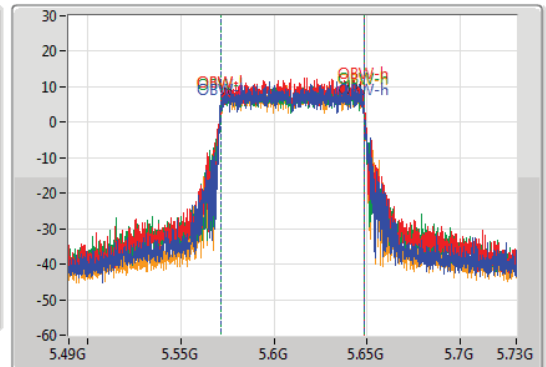
5610MHz

16/12/2020

CF
5.61GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.61GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

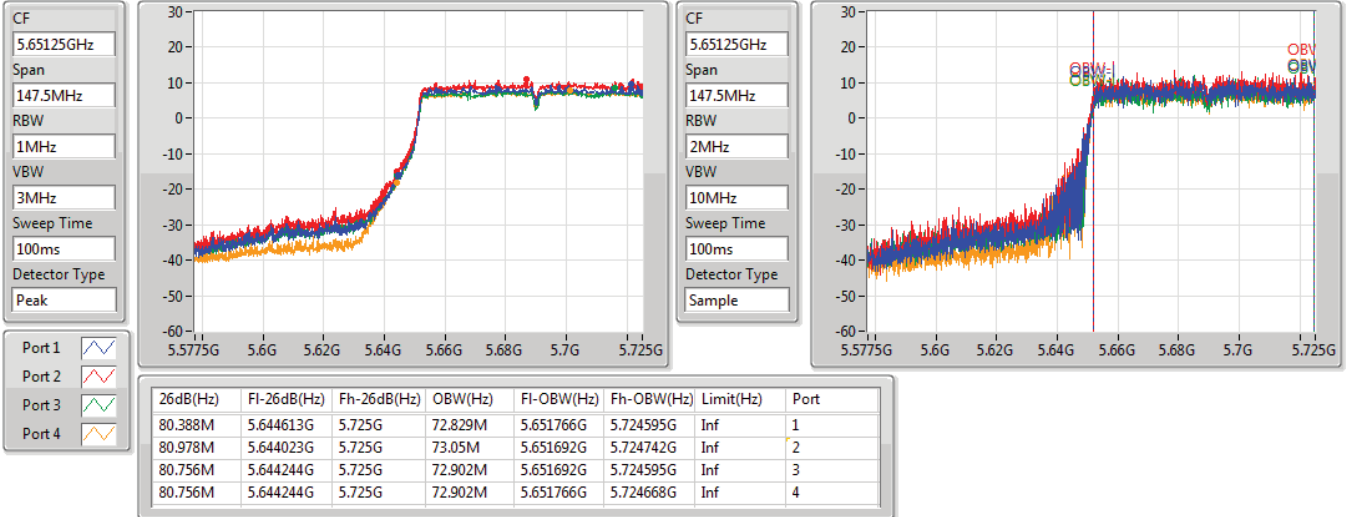
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 90.12M | 5.56464G | 5.65476G | 76.402M | 5.571739G | 5.648141G | Inf | 1 |
| 90.72M | 5.5644G | 5.65512G | 76.522M | 5.571619G | 5.648141G | Inf | 2 |
| 90.96M | 5.5644G | 5.65536G | 76.522M | 5.571619G | 5.648141G | Inf | 3 |
| 93.24M | 5.56404G | 5.65728G | 76.522M | 5.571739G | 5.648261G | Inf | 4 |

802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

16/12/2020

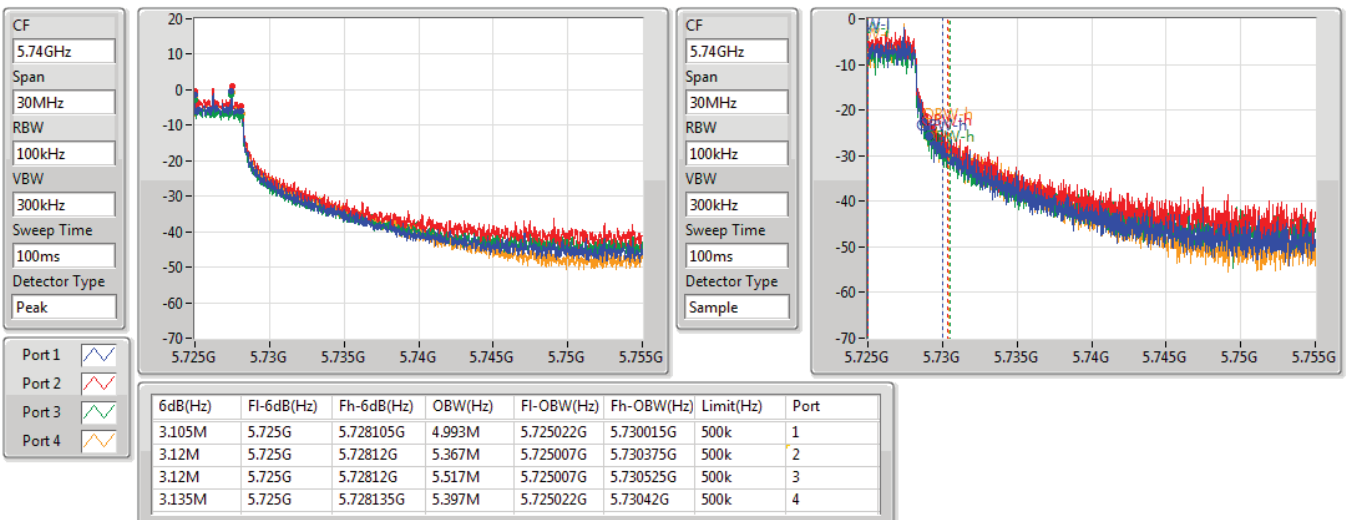


802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

16/12/2020

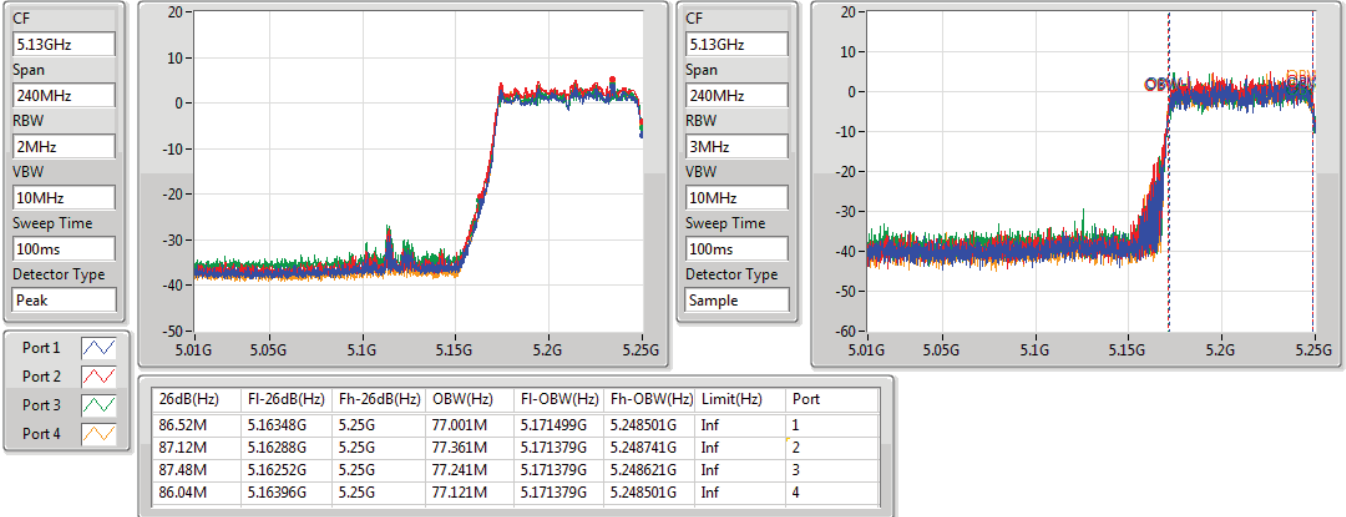


802.11ac VHT160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

16/12/2020

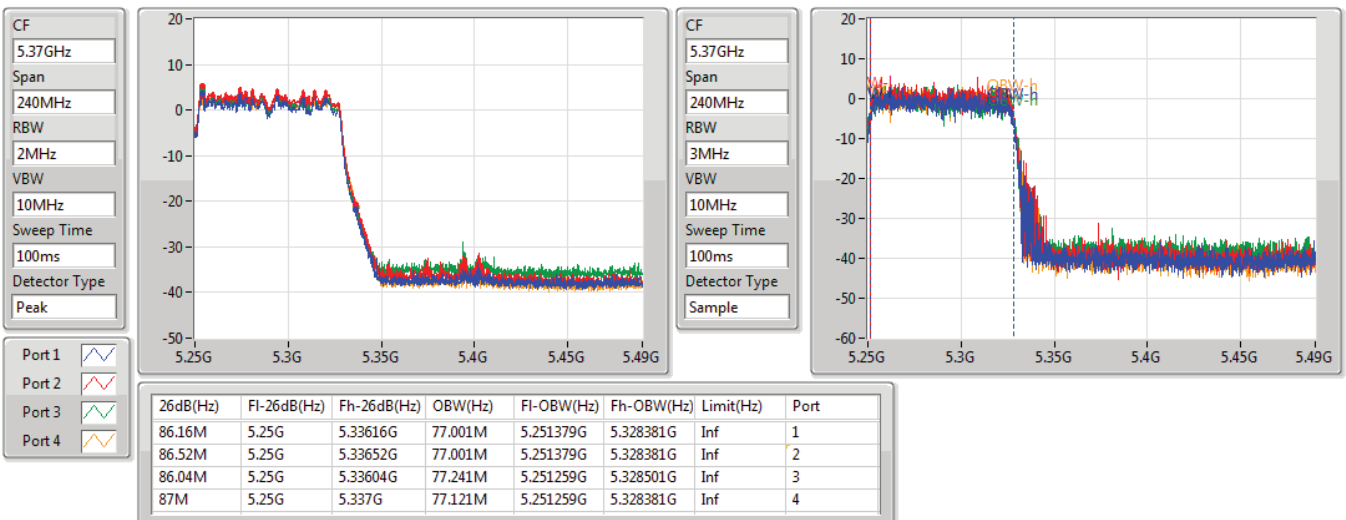


802.11ac VHT160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

16/12/2020





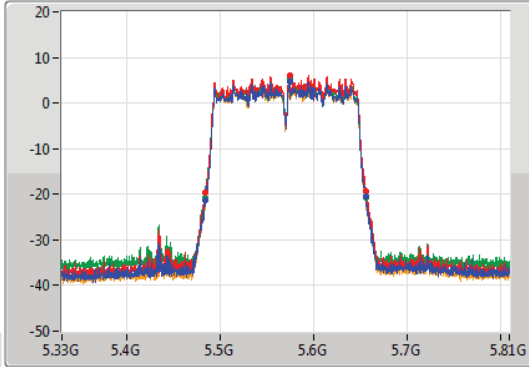
802.11ac VHT160_Nss1,(MCS0)_4TX

EBW

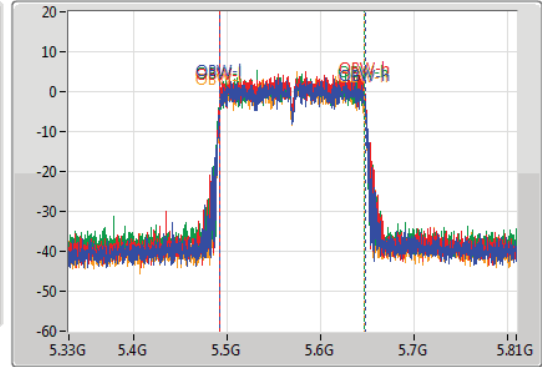
5570MHz

16/12/2020

CF
5.57GHz
Span
480MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.57GHz
Span
480MHz
RBW
3MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|----------|------------|------------|-----------|------|
| 172.08M | 5.48384G | 5.65592G | 155.682M | 5.492039G | 5.647721G | Inf | 1 |
| 172.8M | 5.4836G | 5.6564G | 155.442M | 5.492279G | 5.647721G | Inf | 2 |
| 172.8M | 5.48312G | 5.65592G | 155.202M | 5.492279G | 5.647481G | Inf | 3 |
| 172.08M | 5.48432G | 5.6564G | 155.202M | 5.492039G | 5.647241G | Inf | 4 |

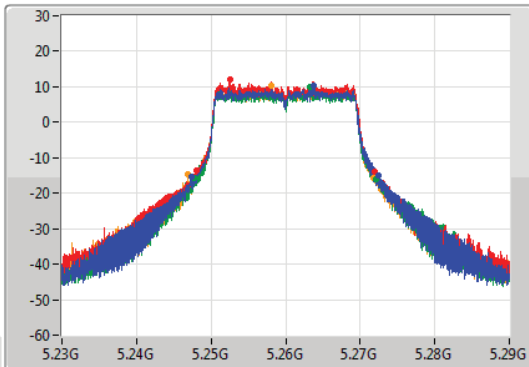
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

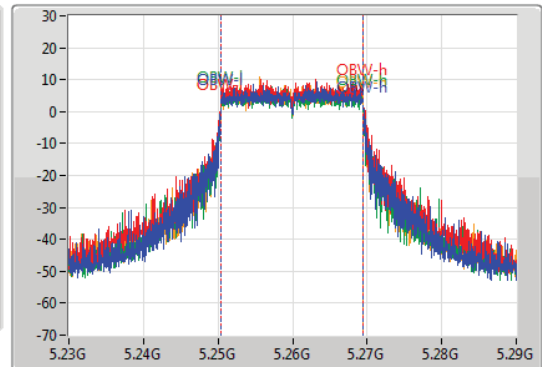
5260MHz

09/12/2020

CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 25.05M | 5.24746G | 5.27251G | 19.07M | 5.250435G | 5.269505G | Inf | 1 |
| 23.97M | 5.24806G | 5.27203G | 19.07M | 5.250405G | 5.269475G | Inf | 2 |
| 24.39M | 5.24773G | 5.27212G | 19.04M | 5.250435G | 5.269475G | Inf | 3 |
| 24.87M | 5.24695G | 5.27182G | 19.07M | 5.250405G | 5.269475G | Inf | 4 |

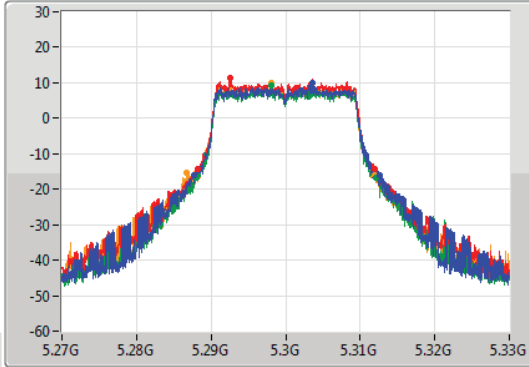
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

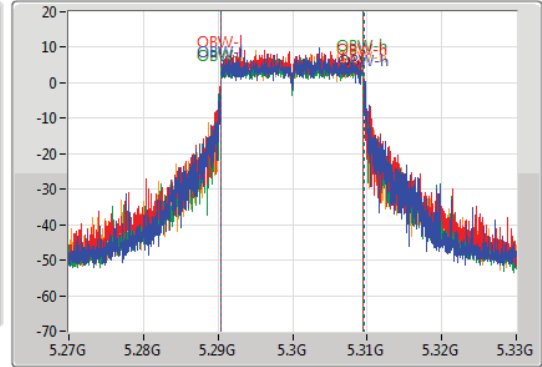
5300MHz

09/12/2020

CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 24.87M | 5.28779G | 5.31266G | 19.1M | 5.290435G | 5.309535G | Inf | 1 |
| 23.79M | 5.28818G | 5.31197G | 19.04M | 5.290435G | 5.309475G | Inf | 2 |
| 24.06M | 5.28803G | 5.31209G | 19.07M | 5.290405G | 5.309475G | Inf | 3 |
| 25.14M | 5.28674G | 5.31188G | 19.07M | 5.290435G | 5.309505G | Inf | 4 |

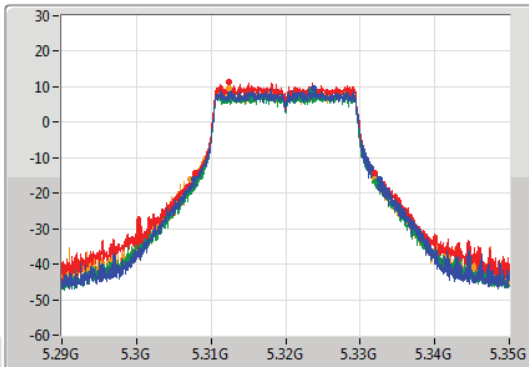
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

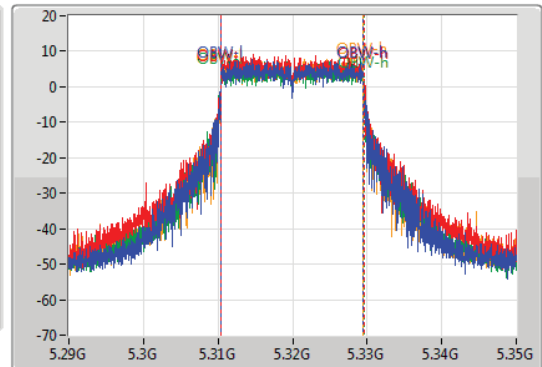
5320MHz

09/12/2020

CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 24.93M | 5.30776G | 5.33269G | 19.1M | 5.310405G | 5.329505G | Inf | 1 |
| 24.12M | 5.30791G | 5.33203G | 19.13M | 5.310405G | 5.329535G | Inf | 2 |
| 24.12M | 5.30806G | 5.33218G | 19.13M | 5.310405G | 5.329535G | Inf | 3 |
| 24.66M | 5.30728G | 5.33194G | 19.04M | 5.310435G | 5.329475G | Inf | 4 |

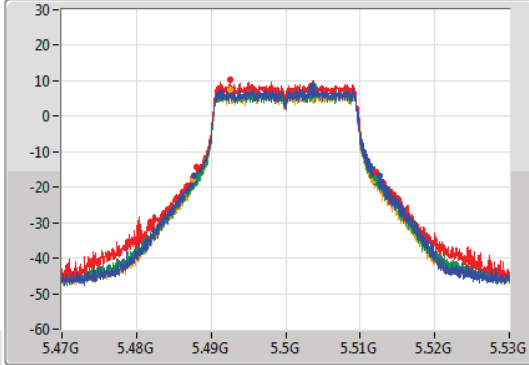
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

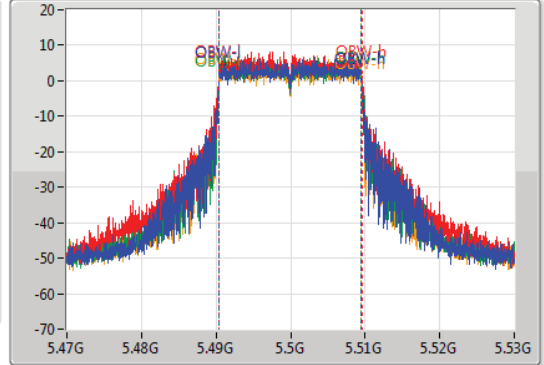
5500MHz

09/12/2020

CF
5.5GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.5GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 24.93M | 5.48764G | 5.51257G | 19.07M | 5.490435G | 5.509505G | Inf | 1 |
| 24.06M | 5.488G | 5.51206G | 19.1M | 5.490435G | 5.509535G | Inf | 2 |
| 23.85M | 5.48821G | 5.51206G | 19.1M | 5.490405G | 5.509505G | Inf | 3 |
| 24.36M | 5.48749G | 5.51185G | 19.07M | 5.490405G | 5.509475G | Inf | 4 |

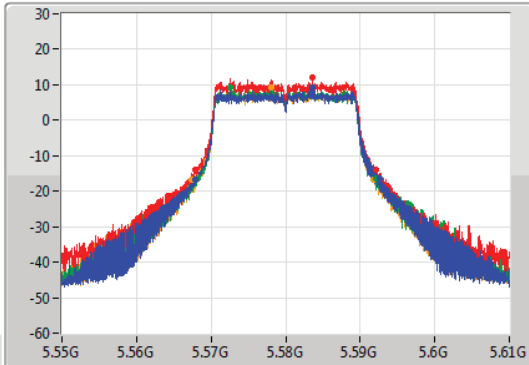
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

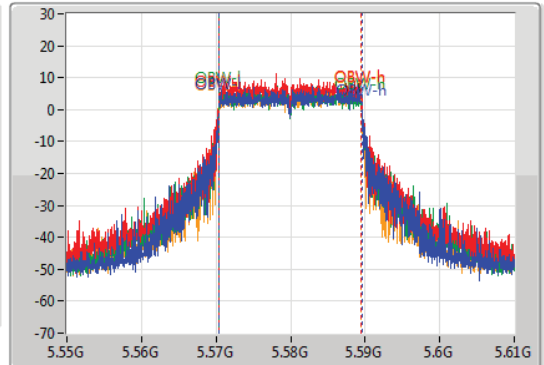
5580MHz

09/12/2020

CF
5.58GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.58GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 24.69M | 5.56791G | 5.5926G | 19.13M | 5.570405G | 5.589535G | Inf | 1 |
| 24.24M | 5.56782G | 5.59206G | 19.1M | 5.570405G | 5.589505G | Inf | 2 |
| 23.97M | 5.56815G | 5.59212G | 19.07M | 5.570435G | 5.589505G | Inf | 3 |
| 24.39M | 5.56746G | 5.59185G | 19.1M | 5.570405G | 5.589505G | Inf | 4 |

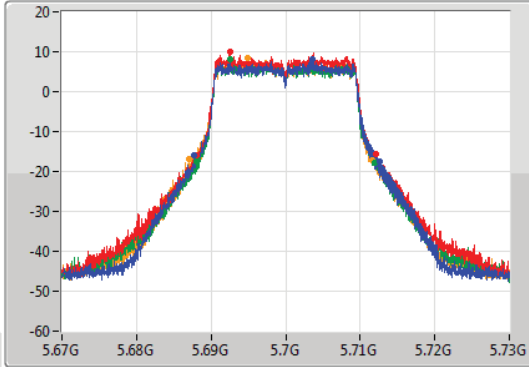
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

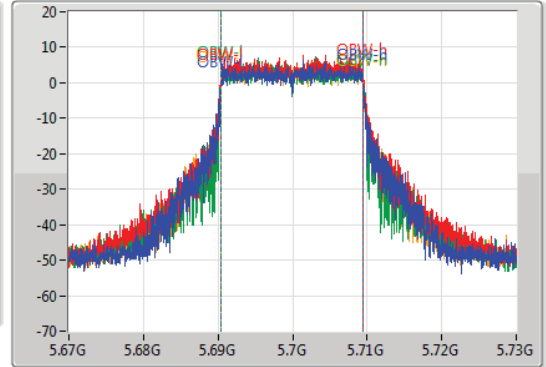
5700MHz

09/12/2020

CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 24.9M | 5.68773G | 5.71263G | 19.13M | 5.690375G | 5.709505G | Inf | 1 |
| 24.06M | 5.688G | 5.71206G | 19.1M | 5.690405G | 5.709505G | Inf | 2 |
| 23.94M | 5.688G | 5.71194G | 19.07M | 5.690435G | 5.709505G | Inf | 3 |
| 24.69M | 5.68698G | 5.71167G | 19.04M | 5.690465G | 5.709505G | Inf | 4 |

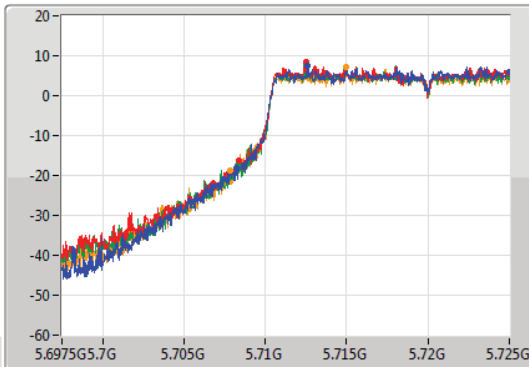
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

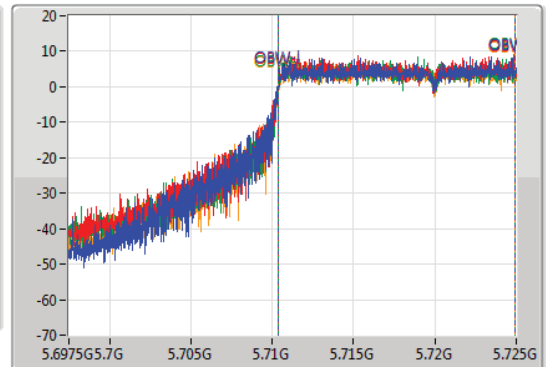
5720MHz Straddle 5.47-5.725GHz

09/12/2020

CF
5.71125GHz
Span
27.5MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.71125GHz
Span
27.5MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 16.789M | 5.708211G | 5.725G | 14.554M | 5.71037G | 5.724924G | Inf | 1 |
| 16.596M | 5.708404G | 5.725G | 14.554M | 5.71037G | 5.724924G | Inf | 2 |
| 16.693M | 5.708308G | 5.725G | 14.54M | 5.710384G | 5.724924G | Inf | 3 |
| 17.133M | 5.707868G | 5.725G | 14.526M | 5.710384G | 5.724911G | Inf | 4 |

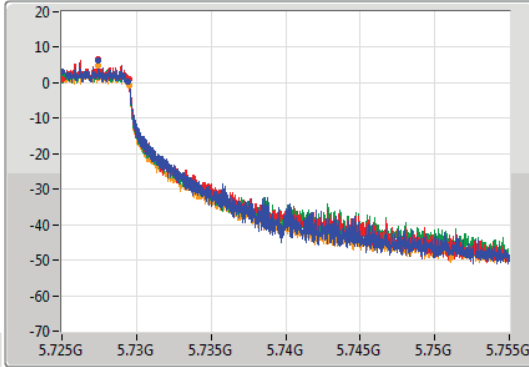
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

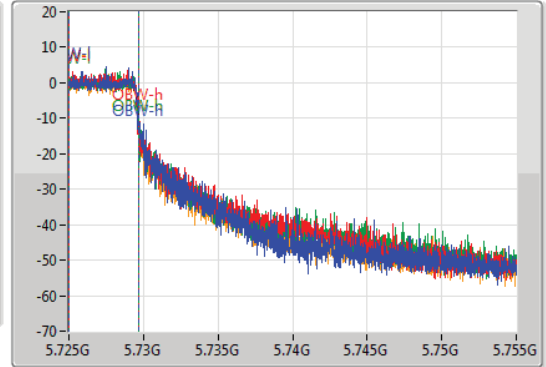
5720MHz Straddle 5.725-5.85GHz

09/12/2020

CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 4.47M | 5.725G | 5.72947G | 4.693M | 5.725022G | 5.729715G | 500k | 1 |
| 4.53M | 5.725G | 5.72953G | 4.648M | 5.725022G | 5.72967G | 500k | 2 |
| 4.44M | 5.725015G | 5.729455G | 4.648M | 5.725022G | 5.72967G | 500k | 3 |
| 4.545M | 5.725G | 5.729545G | 4.633M | 5.725022G | 5.729655G | 500k | 4 |

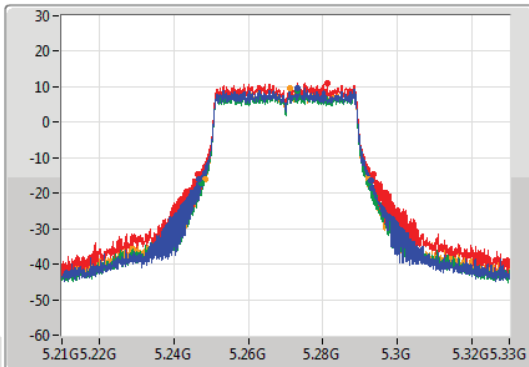
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

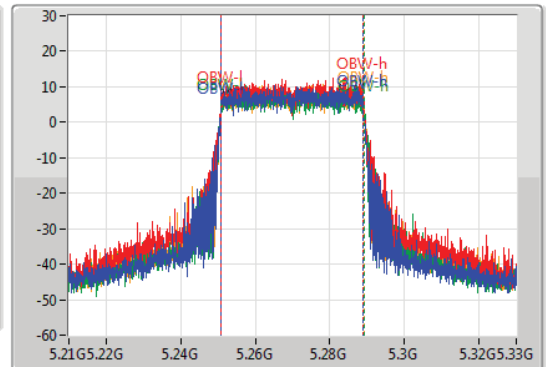
5270MHz

09/12/2020

CF
5.27GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.27GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 45.9M | 5.2469G | 5.2928G | 38.081M | 5.25087G | 5.288951G | Inf | 1 |
| 47.04M | 5.24648G | 5.29352G | 38.081M | 5.25093G | 5.28901G | Inf | 2 |
| 45M | 5.24738G | 5.29238G | 38.321M | 5.25081G | 5.28913G | Inf | 3 |
| 43.74M | 5.2484G | 5.29214G | 38.201M | 5.25087G | 5.28907G | Inf | 4 |

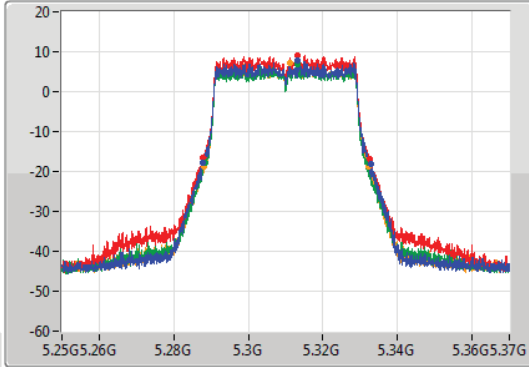
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

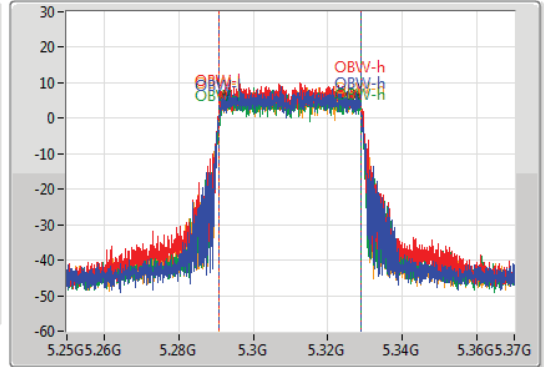
5310MHz

09/12/2020

CF
5.31GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 45M | 5.28774G | 5.33274G | 38.081M | 5.29087G | 5.328951G | Inf | 1 |
| 44.7M | 5.28786G | 5.33256G | 38.021M | 5.29093G | 5.328951G | Inf | 2 |
| 44.04M | 5.28834G | 5.33238G | 38.141M | 5.29087G | 5.32901G | Inf | 3 |
| 44.1M | 5.28816G | 5.33226G | 38.141M | 5.29087G | 5.32901G | Inf | 4 |

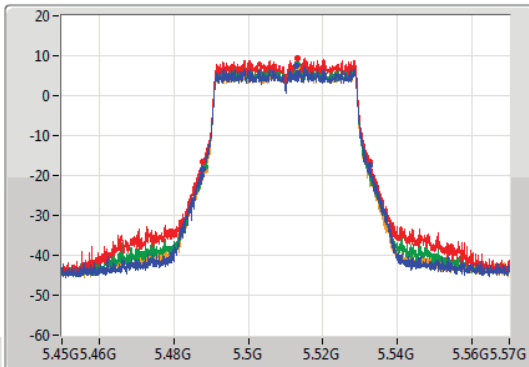
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

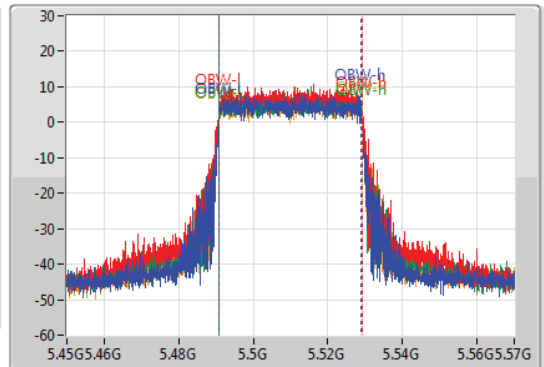
5510MHz

09/12/2020

CF
5.51GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.51GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 44.88M | 5.4878G | 5.53268G | 38.081M | 5.49087G | 5.528951G | Inf | 1 |
| 44.94M | 5.48768G | 5.53262G | 38.201M | 5.49087G | 5.52907G | Inf | 2 |
| 44.04M | 5.48828G | 5.53232G | 38.261M | 5.49087G | 5.52913G | Inf | 3 |
| 44.1M | 5.4884G | 5.5325G | 38.201M | 5.49087G | 5.52907G | Inf | 4 |

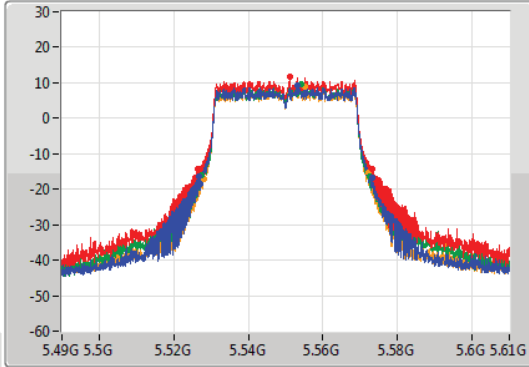
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

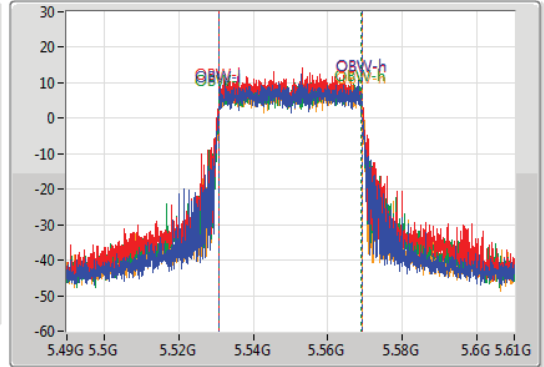
5550MHz

09/12/2020

CF
5.55GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.55GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 46.32M | 5.52678G | 5.5731G | 38.201M | 5.53087G | 5.56907G | Inf | 1 |
| 46.62M | 5.5266G | 5.57322G | 38.201M | 5.53087G | 5.56907G | Inf | 2 |
| 45.12M | 5.52744G | 5.57256G | 38.081M | 5.53093G | 5.56901G | Inf | 3 |
| 43.98M | 5.52822G | 5.5722G | 38.201M | 5.53087G | 5.56907G | Inf | 4 |

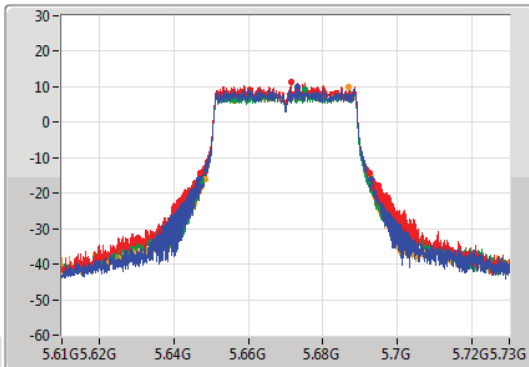
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

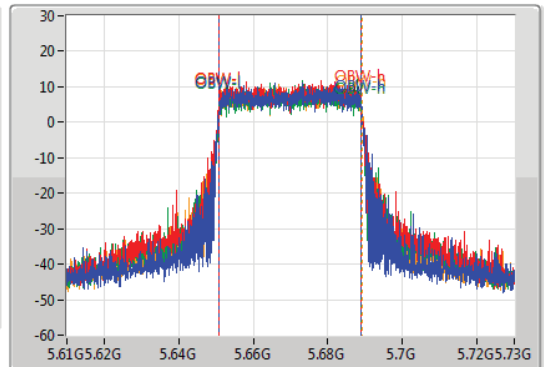
5670MHz

09/12/2020

CF
5.67GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.67GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

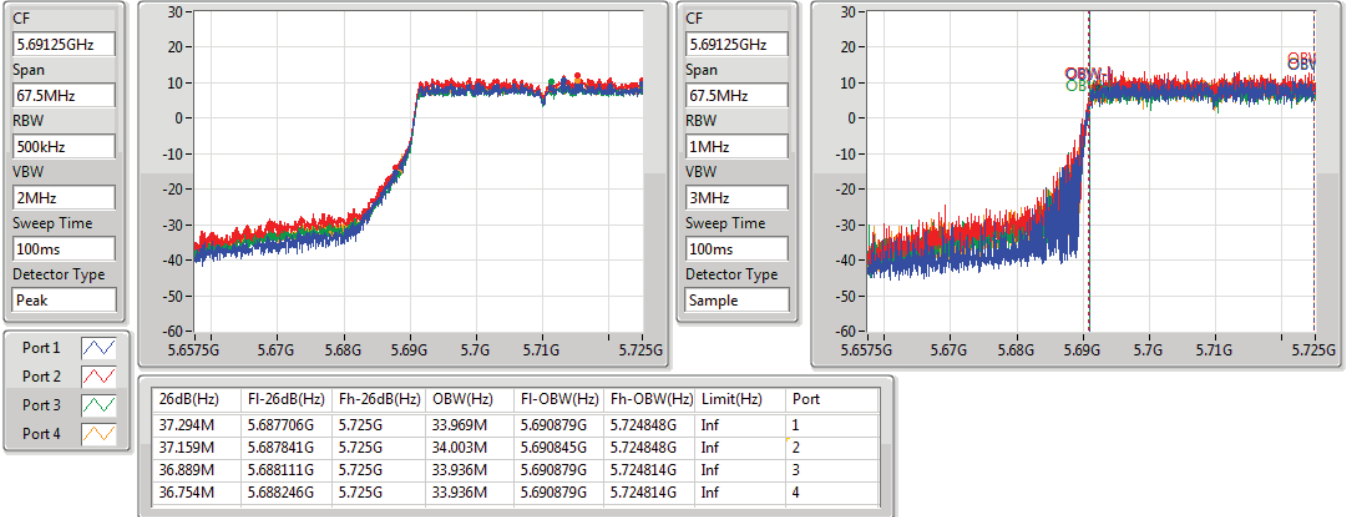
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 46.02M | 5.64672G | 5.69274G | 38.141M | 5.65087G | 5.68901G | Inf | 1 |
| 45.66M | 5.64696G | 5.69262G | 38.141M | 5.65087G | 5.68901G | Inf | 2 |
| 45.24M | 5.64738G | 5.69262G | 38.081M | 5.65093G | 5.68901G | Inf | 3 |
| 44.52M | 5.6484G | 5.69292G | 38.201M | 5.65087G | 5.68907G | Inf | 4 |

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

09/12/2020

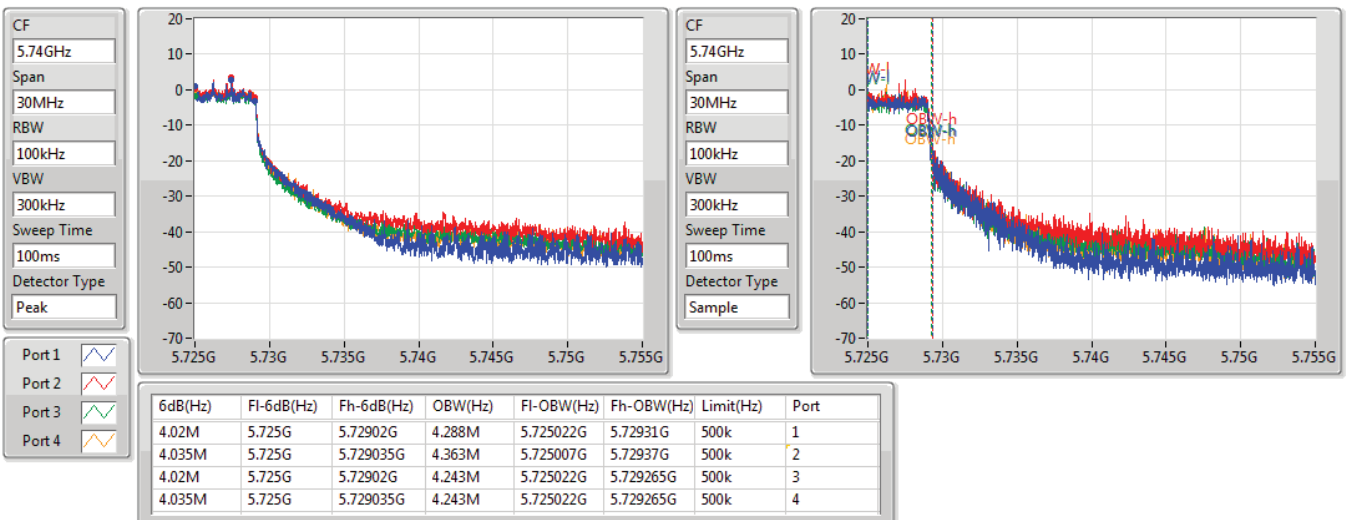


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

09/12/2020



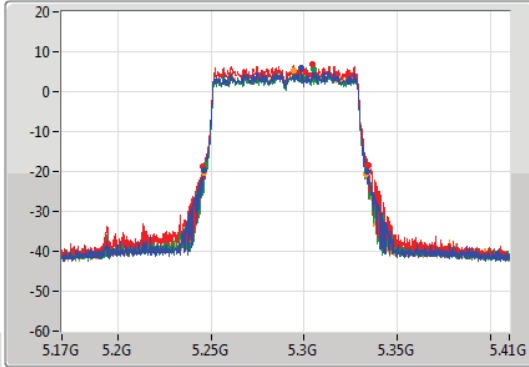
802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

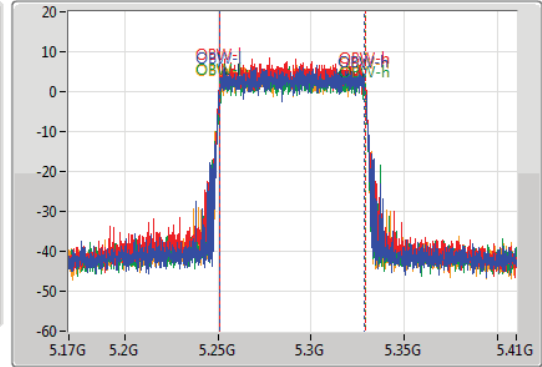
5290MHz

09/12/2020

CF
5.29GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.29GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 87.96M | 5.24596G | 5.33392G | 77.961M | 5.25078G | 5.328741G | Inf | 1 |
| 88.8M | 5.24572G | 5.33452G | 77.961M | 5.251019G | 5.328981G | Inf | 2 |
| 87M | 5.24704G | 5.33404G | 77.841M | 5.251019G | 5.328861G | Inf | 3 |
| 87.24M | 5.2462G | 5.33344G | 77.841M | 5.251139G | 5.328981G | Inf | 4 |

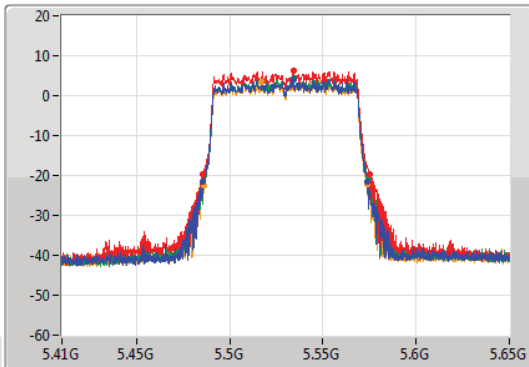
802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

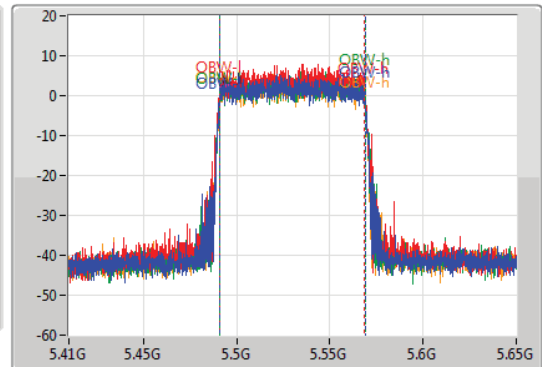
5530MHz

09/12/2020

CF
5.53GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 88.32M | 5.4856G | 5.57392G | 77.841M | 5.491019G | 5.568861G | Inf | 1 |
| 89.4M | 5.48584G | 5.57524G | 77.841M | 5.4909G | 5.568741G | Inf | 2 |
| 88.68M | 5.48548G | 5.57416G | 77.841M | 5.491019G | 5.568861G | Inf | 3 |
| 87.72M | 5.48596G | 5.57368G | 77.721M | 5.491139G | 5.568861G | Inf | 4 |

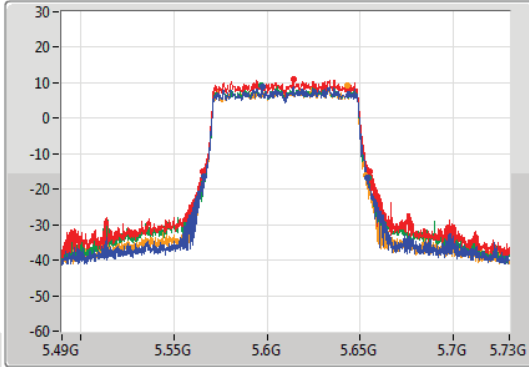
802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

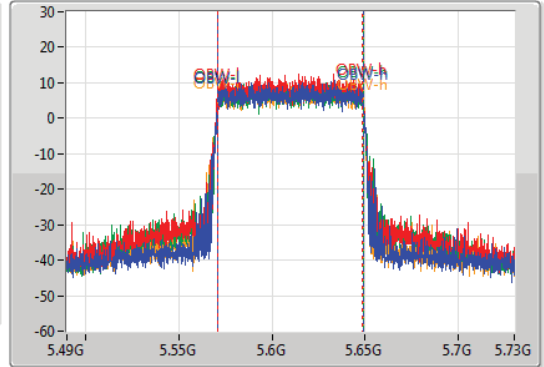
5610MHz

09/12/2020

CF
5.61GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.61GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 87.84M | 5.56608G | 5.65392G | 77.961M | 5.5709G | 5.648861G | Inf | 1 |
| 89.52M | 5.56572G | 5.65524G | 77.841M | 5.5709G | 5.648741G | Inf | 2 |
| 88.08M | 5.56608G | 5.65416G | 77.961M | 5.5709G | 5.648861G | Inf | 3 |
| 86.64M | 5.56644G | 5.65308G | 78.081M | 5.571019G | 5.6491G | Inf | 4 |

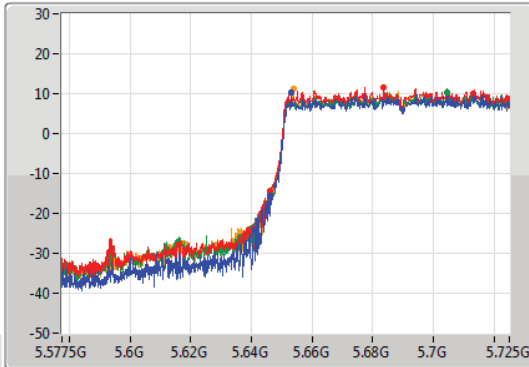
802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

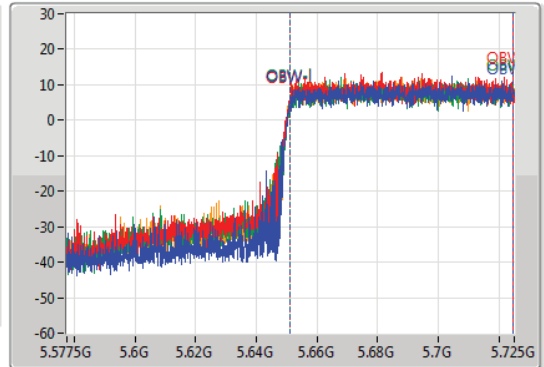
5690MHz Straddle 5.47-5.725GHz

09/12/2020

CF
5.65125GHz
Span
147.5MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.65125GHz
Span
147.5MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

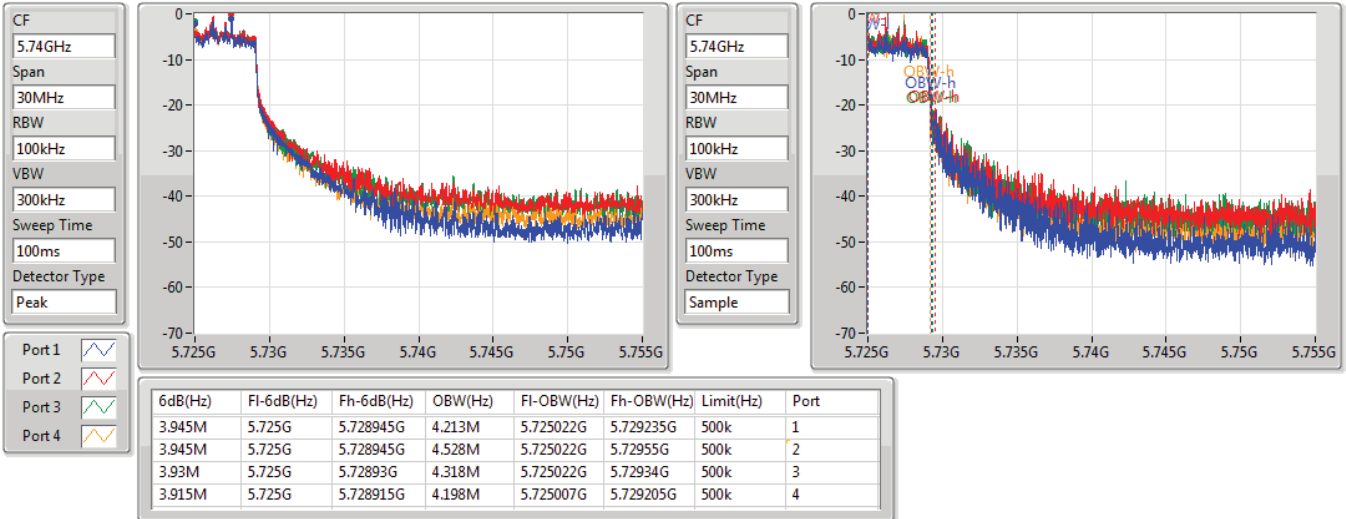
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 79.06M | 5.64594G | 5.725G | 73.713M | 5.650955G | 5.724668G | Inf | 1 |
| 79.06M | 5.64594G | 5.725G | 73.566M | 5.650955G | 5.724521G | Inf | 2 |
| 78.765M | 5.646235G | 5.725G | 73.639M | 5.651029G | 5.724668G | Inf | 3 |
| 78.47M | 5.64653G | 5.725G | 73.639M | 5.650955G | 5.724595G | Inf | 4 |

802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

09/12/2020

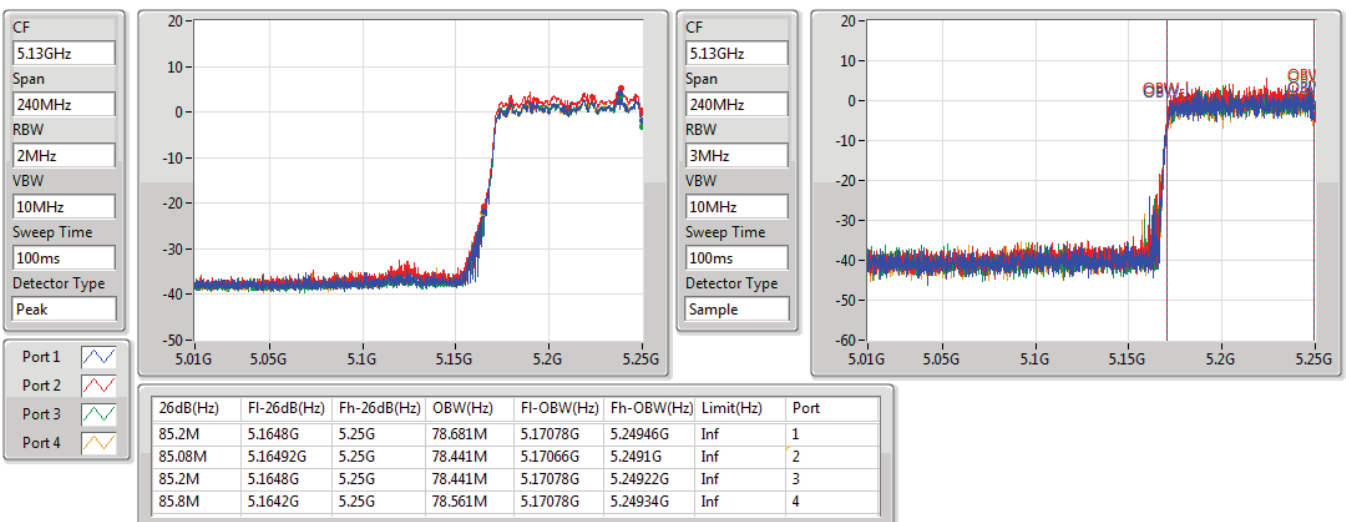


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

09/12/2020

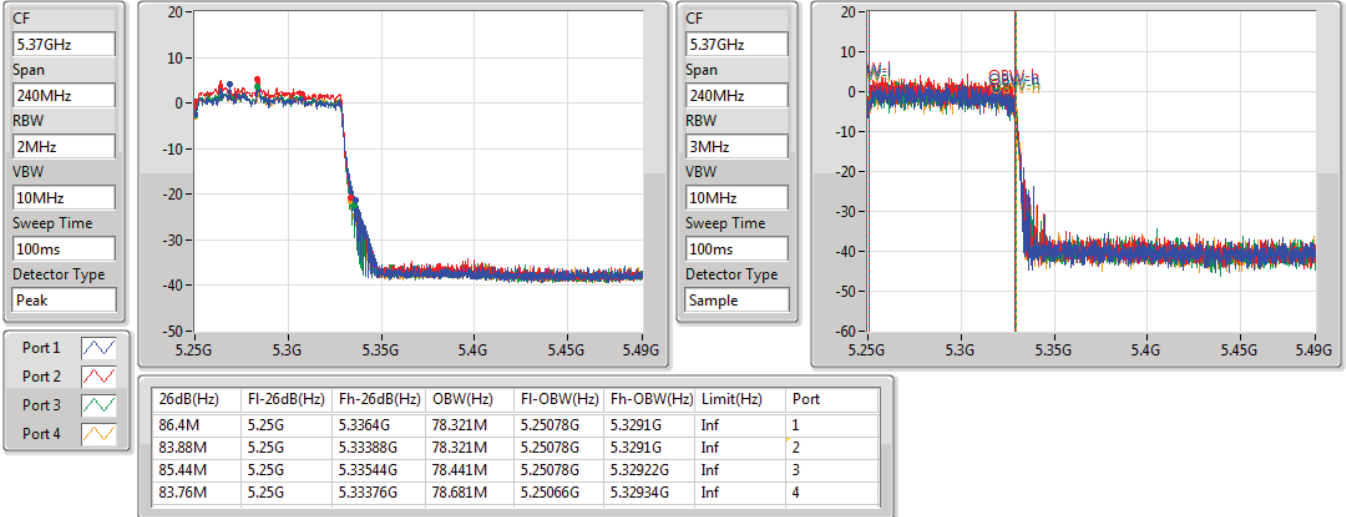


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

09/12/2020

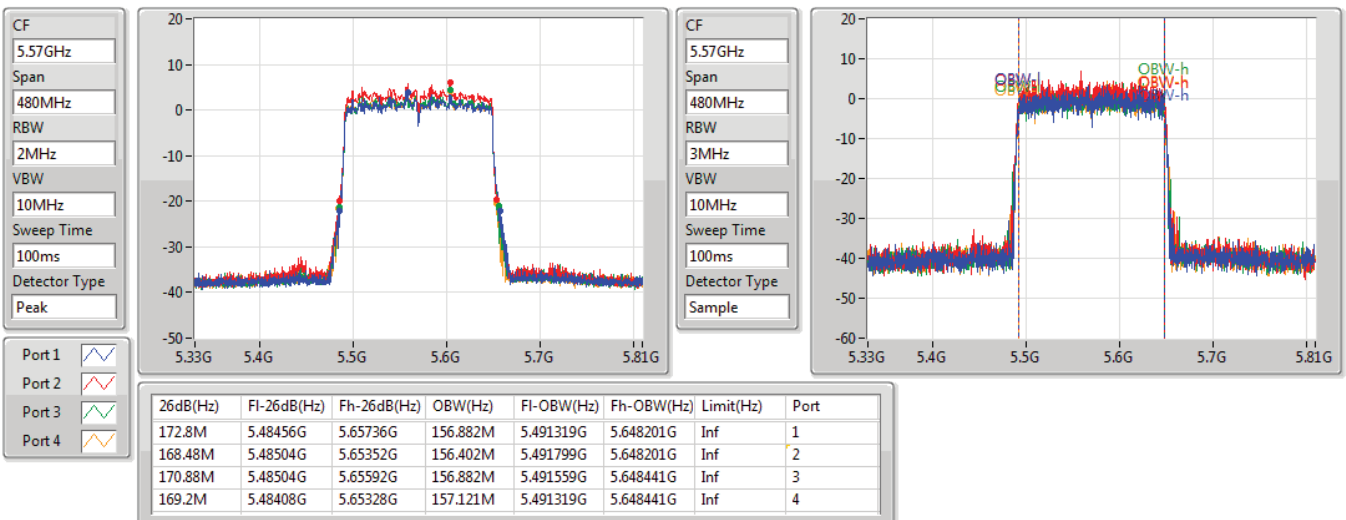


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5570MHz

09/12/2020





Summary

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---------------------------------|---------------|--------------|----------|---------------|--------------|
| 5.15-5.25GHz | - | - | - | - | - |
| 802.11ac VHT160_Nss4,(MCS0)_4TX | 87.84M | 77.361M | 77M4D1D | 86.04M | 77.121M |
| 802.11ax HEW160_Nss4,(MCS0)_4TX | 86.16M | 78.801M | 78M8D1D | 83.88M | 78.561M |
| 5.25-5.35GHz | - | - | - | - | - |
| 802.11ac VHT20_Nss4,(MCS0)_4TX | 29.61M | 18.231M | 18M2D1D | 23.79M | 17.901M |
| 802.11ac VHT40_Nss4,(MCS0)_4TX | 49.02M | 37.001M | 37MOD1D | 43.38M | 36.522M |
| 802.11ac VHT80_Nss4,(MCS0)_4TX | 94.56M | 76.762M | 76M8D1D | 88.68M | 76.402M |
| 802.11ac VHT160_Nss4,(MCS0)_4TX | 89.28M | 77.361M | 77M4D1D | 86.64M | 77.121M |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | 25.41M | 19.13M | 19M1D1D | 23.76M | 19.04M |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | 46.92M | 38.201M | 38M2D1D | 43.02M | 38.141M |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | 86.52M | 77.961M | 78MOD1D | 85.92M | 77.721M |
| 802.11ax HEW160_Nss4,(MCS0)_4TX | 87.96M | 78.921M | 78M9D1D | 83.76M | 78.441M |
| 5.47-5.725GHz | - | - | - | - | - |
| 802.11ac VHT20_Nss4,(MCS0)_4TX | 29.64M | 18.231M | 18M2D1D | 16.638M | 14.032M |
| 802.11ac VHT40_Nss4,(MCS0)_4TX | 48.84M | 37.121M | 37M1D1D | 36.754M | 33.227M |
| 802.11ac VHT80_Nss4,(MCS0)_4TX | 94.92M | 76.642M | 76M6D1D | 79.06M | 72.829M |
| 802.11ac VHT160_Nss4,(MCS0)_4TX | 174.72M | 155.442M | 155MD1D | 171.36M | 155.442M |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | 25.38M | 19.16M | 19M2D1D | 16.555M | 14.54M |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | 46.44M | 38.261M | 38M3D1D | 36.585M | 34.003M |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | 86.76M | 78.081M | 78M1D1D | 77.29M | 73.566M |
| 802.11ax HEW160_Nss4,(MCS0)_4TX | 173.76M | 156.882M | 157MD1D | 168.24M | 156.642M |
| 5.725-5.85GHz | - | - | - | - | - |
| 802.11ac VHT20_Nss4,(MCS0)_4TX | 3.75M | 4.633M | 4M63D1D | 3.735M | 4.423M |
| 802.11ac VHT40_Nss4,(MCS0)_4TX | 3.165M | 4.333M | 4M33D1D | 3.135M | 4.078M |
| 802.11ac VHT80_Nss4,(MCS0)_4TX | 3.165M | 5.352M | 5M35D1D | 3.135M | 4.393M |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | 4.455M | 4.813M | 4M81D1D | 4.425M | 4.633M |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | 3.975M | 4.273M | 4M27D1D | 3.915M | 4.198M |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | 3.96M | 4.513M | 4M51D1D | 3.735M | 4.138M |

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth



Result

| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|---------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| 802.11ac VHT20_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | Inf | 27.36M | 18.111M | 26.22M | 18.111M | 27.09M | 18.141M | 29.61M | 18.231M |
| 5300MHz | Pass | Inf | 27.33M | 18.141M | 26.25M | 18.081M | 27.03M | 18.201M | 29.52M | 18.231M |
| 5320MHz | Pass | Inf | 24.9M | 17.991M | 24.42M | 17.901M | 23.79M | 17.991M | 25.83M | 18.081M |
| 5500MHz | Pass | Inf | 25.02M | 18.051M | 24.45M | 17.991M | 23.91M | 18.051M | 25.83M | 18.081M |
| 5580MHz | Pass | Inf | 27.18M | 18.081M | 26.28M | 18.111M | 27.03M | 18.201M | 29.64M | 18.231M |
| 5700MHz | Pass | Inf | 24.93M | 18.021M | 24.45M | 17.961M | 23.7M | 18.021M | 25.83M | 17.991M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 16.734M | 14.059M | 17.394M | 14.073M | 16.638M | 14.032M | 16.775M | 14.087M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.75M | 4.498M | 3.75M | 4.423M | 3.735M | 4.618M | 3.75M | 4.633M |
| 802.11ac VHT40_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | Inf | 47.1M | 36.942M | 45.84M | 36.822M | 46.62M | 36.882M | 49.02M | 37.001M |
| 5310MHz | Pass | Inf | 44.58M | 36.702M | 44.16M | 36.522M | 43.38M | 36.642M | 45.36M | 36.762M |
| 5510MHz | Pass | Inf | 44.64M | 36.822M | 44.28M | 36.642M | 43.32M | 36.762M | 45.24M | 36.822M |
| 5550MHz | Pass | Inf | 47.22M | 36.882M | 46.74M | 36.762M | 46.56M | 37.121M | 48.84M | 36.942M |
| 5670MHz | Pass | Inf | 47.16M | 37.001M | 45.84M | 36.822M | 46.68M | 37.061M | 48.78M | 36.942M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 37.193M | 33.328M | 37.496M | 33.227M | 36.754M | 33.396M | 37.699M | 33.295M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.165M | 4.228M | 3.135M | 4.078M | 3.165M | 4.243M | 3.15M | 4.333M |
| 802.11ac VHT80_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | Inf | 88.68M | 76.522M | 91.92M | 76.402M | 89.76M | 76.522M | 94.56M | 76.762M |
| 5530MHz | Pass | Inf | 88.68M | 76.522M | 92.64M | 76.522M | 89.4M | 76.642M | 94.92M | 76.522M |
| 5610MHz | Pass | Inf | 88.68M | 76.522M | 92.4M | 76.522M | 89.28M | 76.522M | 94.44M | 76.522M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 79.06M | 72.902M | 81.715M | 73.05M | 79.65M | 72.829M | 81.715M | 72.829M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.165M | 4.393M | 3.15M | 5.097M | 3.165M | 4.618M | 3.135M | 5.352M |
| 802.11ac VHT160_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | Inf | 86.88M | 77.361M | 87.84M | 77.121M | 86.04M | 77.361M | 86.28M | 77.361M |
| 5250MHz Straddle 5.25-5.35GHz | Pass | Inf | 86.64M | 77.121M | 87.48M | 77.121M | 86.76M | 77.361M | 89.28M | 77.121M |
| 5570MHz | Pass | Inf | 172.56M | 155.442M | 174.48M | 155.442M | 171.36M | 155.442M | 174.72M | 155.442M |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | Inf | 25.41M | 19.07M | 24.3M | 19.07M | 23.85M | 19.07M | 25.11M | 19.13M |
| 5300MHz | Pass | Inf | 24.81M | 19.1M | 24.36M | 19.1M | 23.76M | 19.04M | 24.99M | 19.1M |
| 5320MHz | Pass | Inf | 25.23M | 19.1M | 24.18M | 19.1M | 23.82M | 19.1M | 25.08M | 19.1M |
| 5500MHz | Pass | Inf | 25.38M | 19.07M | 24.42M | 19.07M | 23.85M | 19.04M | 24.84M | 19.16M |
| 5580MHz | Pass | Inf | 25.26M | 19.07M | 24.42M | 19.1M | 23.88M | 19.04M | 24.81M | 19.16M |
| 5700MHz | Pass | Inf | 25.11M | 19.13M | 24.39M | 19.13M | 23.85M | 19.1M | 25.11M | 19.1M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 17.091M | 14.54M | 16.968M | 14.609M | 16.555M | 14.595M | 17.188M | 14.581M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.425M | 4.708M | 4.44M | 4.633M | 4.455M | 4.693M | 4.44M | 4.813M |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | Inf | 46.92M | 38.141M | 45.72M | 38.201M | 43.8M | 38.201M | 44.94M | 38.201M |
| 5310MHz | Pass | Inf | 45M | 38.201M | 44.76M | 38.201M | 43.02M | 38.141M | 45.12M | 38.201M |
| 5510MHz | Pass | Inf | 45M | 38.201M | 44.76M | 38.201M | 43.08M | 38.201M | 45M | 38.201M |
| 5550MHz | Pass | Inf | 46.44M | 38.261M | 45M | 38.201M | 44.28M | 38.201M | 45.06M | 38.141M |
| 5670MHz | Pass | Inf | 46.38M | 38.261M | 45.72M | 38.201M | 44.4M | 38.261M | 44.94M | 38.021M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 37.463M | 34.003M | 37.226M | 34.037M | 36.585M | 34.07M | 37.429M | 34.037M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.915M | 4.198M | 3.96M | 4.273M | 3.96M | 4.228M | 3.975M | 4.243M |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | Inf | 85.92M | 77.961M | 86.52M | 77.841M | 86.16M | 77.721M | 86.28M | 77.841M |
| 5530MHz | Pass | Inf | 86.04M | 77.721M | 86.64M | 77.961M | 86.4M | 77.721M | 86.28M | 77.961M |
| 5610MHz | Pass | Inf | 85.92M | 78.081M | 86.52M | 77.961M | 86.76M | 77.481M | 86.52M | 77.841M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 77.511M | 73.713M | 77.29M | 73.639M | 78.028M | 73.566M | 78.249M | 73.639M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.9M | 4.348M | 3.96M | 4.513M | 3.735M | 4.288M | 3.825M | 4.138M |
| 802.11ax HEW160_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | Inf | 83.88M | 78.681M | 86.16M | 78.561M | 85.8M | 78.681M | 84.6M | 78.801M |
| 5250MHz Straddle 5.25-5.35GHz | Pass | Inf | 86.64M | 78.681M | 87.36M | 78.921M | 87.96M | 78.441M | 83.76M | 78.561M |
| 5570MHz | Pass | Inf | 169.2M | 156.642M | 172.8M | 156.642M | 173.76M | 156.882M | 168.24M | 156.642M |



Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

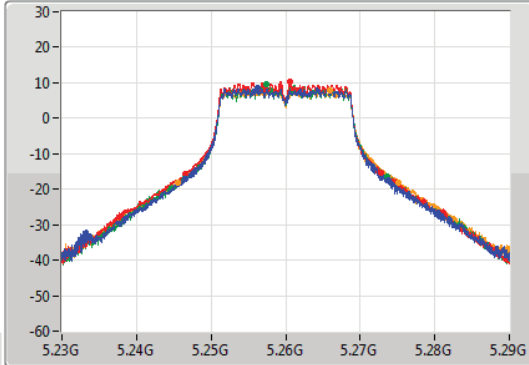
802.11ac VHT20_Nss4,(MCS0)_4TX

EBW

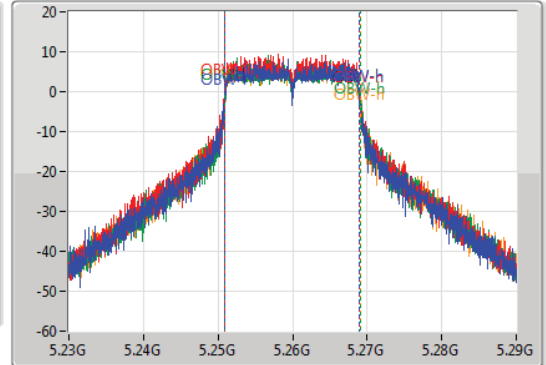
5260MHz

16/12/2020

CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | FI-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | FI-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 27.36M | 5.2465G | 5.27386G | 18.111M | 5.250885G | 5.268996G | Inf | 1 |
| 26.22M | 5.24662G | 5.27284G | 18.111M | 5.250885G | 5.268996G | Inf | 2 |
| 27.09M | 5.2465G | 5.27359G | 18.141M | 5.250915G | 5.269055G | Inf | 3 |
| 29.61M | 5.24557G | 5.27518G | 18.231M | 5.250885G | 5.269115G | Inf | 4 |

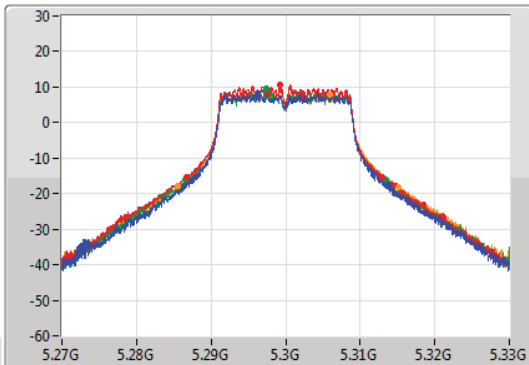
802.11ac VHT20_Nss4,(MCS0)_4TX

EBW

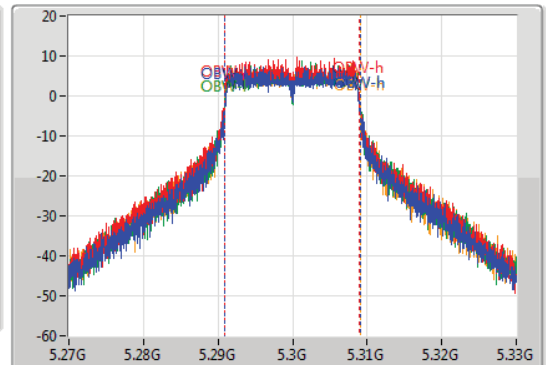
5300MHz

16/12/2020

CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | FI-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | FI-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 27.33M | 5.28641G | 5.31374G | 18.141M | 5.290885G | 5.309025G | Inf | 1 |
| 26.25M | 5.28668G | 5.31293G | 18.081M | 5.290885G | 5.308966G | Inf | 2 |
| 27.03M | 5.2865G | 5.31353G | 18.201M | 5.290885G | 5.309085G | Inf | 3 |
| 29.52M | 5.2856G | 5.31512G | 18.231M | 5.290825G | 5.309055G | Inf | 4 |

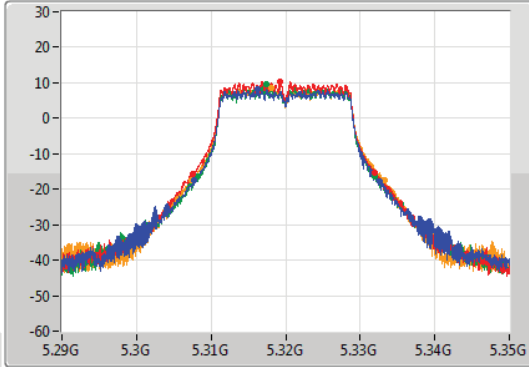
802.11ac VHT20_Nss4,(MCS0)_4TX

EBW

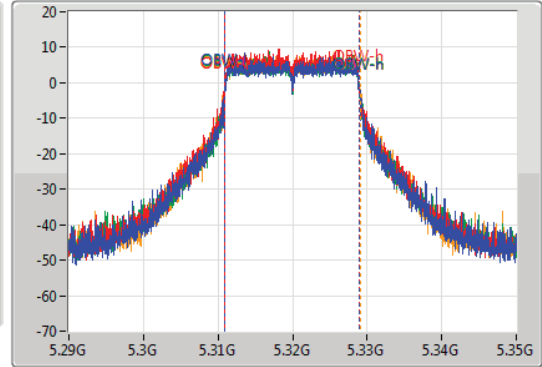
5320MHz

16/12/2020

CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 24.9M | 5.30779G | 5.33269G | 17.991M | 5.310975G | 5.328966G | Inf | 1 |
| 24.42M | 5.30755G | 5.33197G | 17.901M | 5.310975G | 5.328876G | Inf | 2 |
| 23.79M | 5.30818G | 5.33197G | 17.991M | 5.310975G | 5.328966G | Inf | 3 |
| 25.83M | 5.30743G | 5.33326G | 18.081M | 5.310945G | 5.329025G | Inf | 4 |

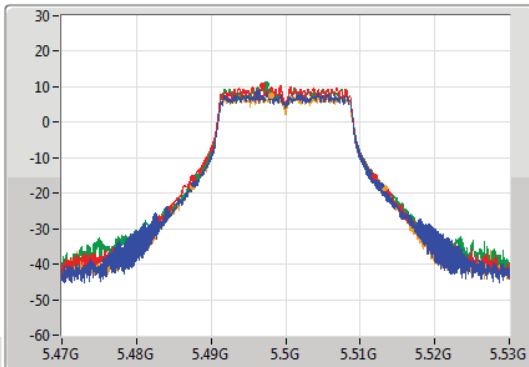
802.11ac VHT20_Nss4,(MCS0)_4TX

EBW

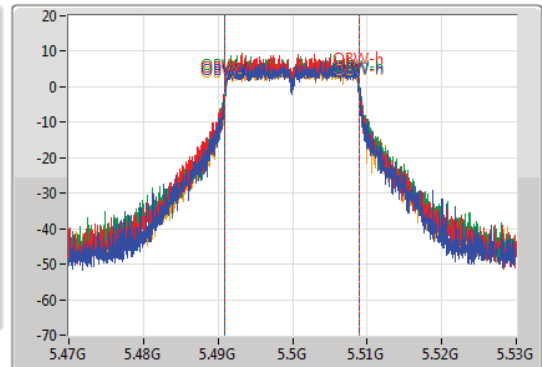
5500MHz

16/12/2020

CF
5.5GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.5GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 25.02M | 5.48776G | 5.51278G | 18.051M | 5.490945G | 5.508996G | Inf | 1 |
| 24.45M | 5.48749G | 5.51194G | 17.991M | 5.490915G | 5.508906G | Inf | 2 |
| 23.91M | 5.48806G | 5.51197G | 18.051M | 5.490945G | 5.508996G | Inf | 3 |
| 25.83M | 5.48749G | 5.51332G | 18.081M | 5.490915G | 5.508996G | Inf | 4 |

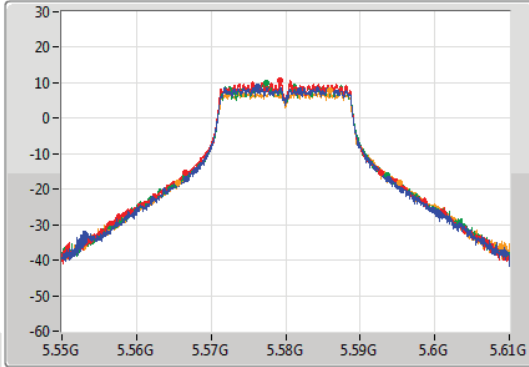
802.11ac VHT20_Nss4,(MCS0)_4TX

EBW

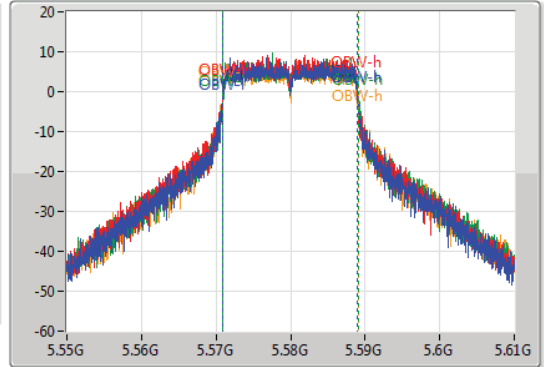
5580MHz

16/12/2020

CF: 5.58GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.58GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 27.18M | 5.56668G | 5.59386G | 18.081M | 5.570915G | 5.588996G | Inf | 1 |
| 26.28M | 5.56656G | 5.59284G | 18.111M | 5.570885G | 5.588996G | Inf | 2 |
| 27.03M | 5.56656G | 5.59359G | 18.201M | 5.570915G | 5.589115G | Inf | 3 |
| 29.64M | 5.56557G | 5.59521G | 18.231M | 5.570825G | 5.589055G | Inf | 4 |

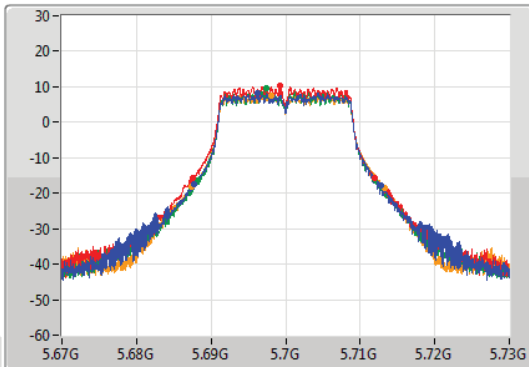
802.11ac VHT20_Nss4,(MCS0)_4TX

EBW

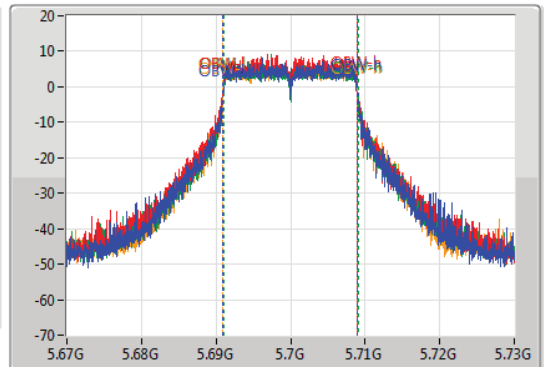
5700MHz

16/12/2020

CF: 5.7GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.7GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

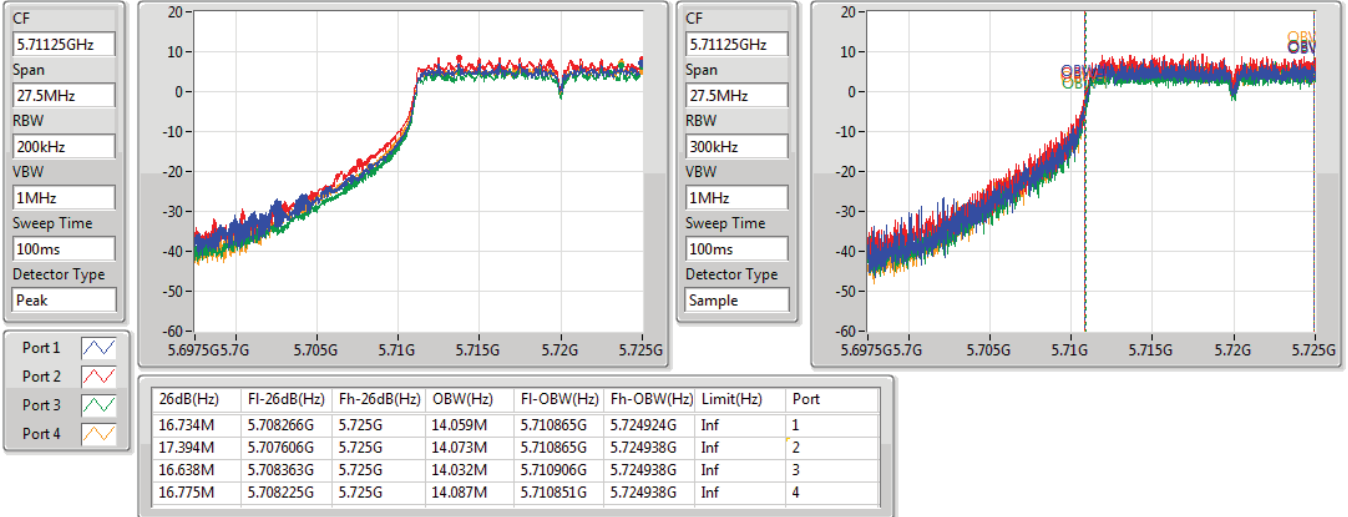
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 24.93M | 5.68779G | 5.71272G | 18.021M | 5.690975G | 5.708996G | Inf | 1 |
| 24.45M | 5.68749G | 5.71194G | 17.961M | 5.690945G | 5.708906G | Inf | 2 |
| 23.7M | 5.68821G | 5.71191G | 18.021M | 5.691004G | 5.709025G | Inf | 3 |
| 25.83M | 5.68743G | 5.71326G | 17.991M | 5.690975G | 5.708966G | Inf | 4 |

802.11ac VHT20_Nss4,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

16/12/2020

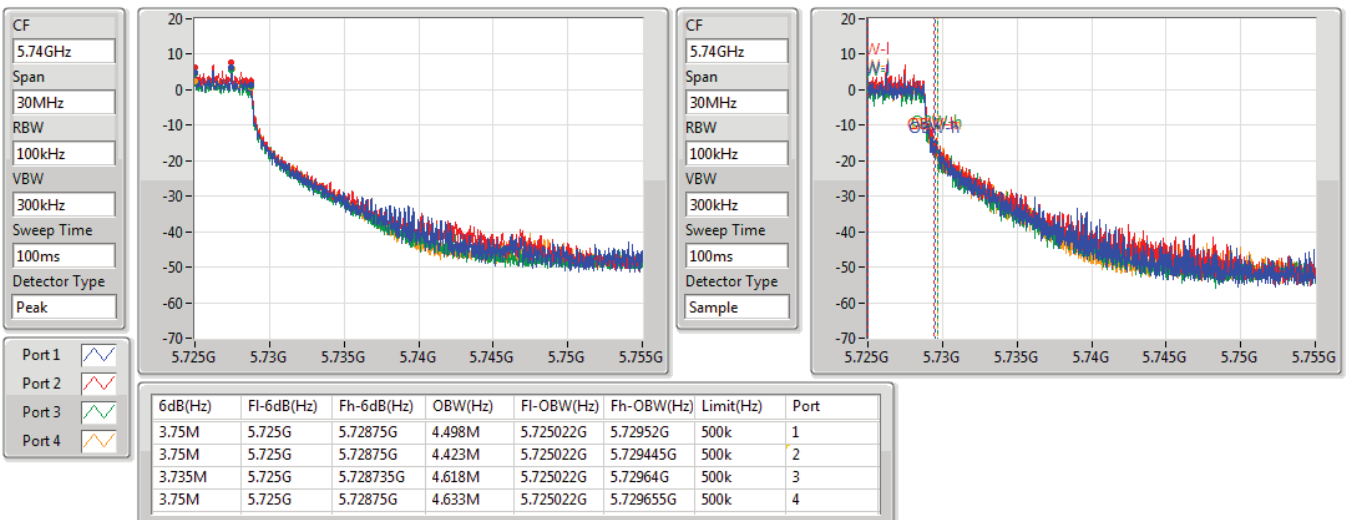


802.11ac VHT20_Nss4,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

16/12/2020



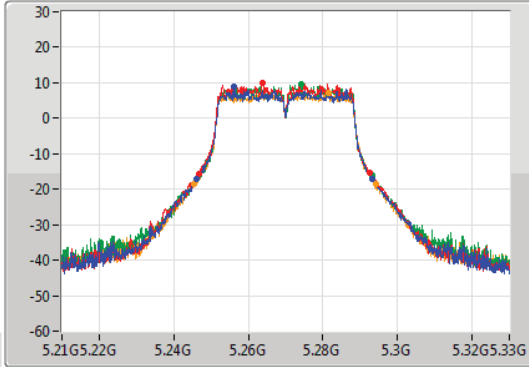
802.11ac VHT40_Nss4,(MCS0)_4TX

EBW

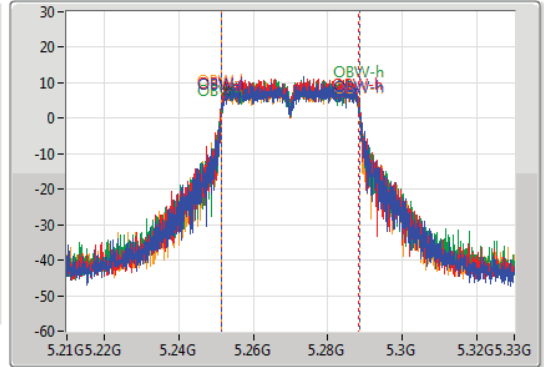
5270MHz

16/12/2020

CF
5.27GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.27GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 47.1M | 5.246G | 5.2931G | 36.942M | 5.251589G | 5.288531G | Inf | 1 |
| 45.84M | 5.24684G | 5.29268G | 36.822M | 5.251529G | 5.288351G | Inf | 2 |
| 46.62M | 5.24672G | 5.29334G | 36.882M | 5.251529G | 5.288411G | Inf | 3 |
| 49.02M | 5.24534G | 5.29436G | 37.001M | 5.251409G | 5.288411G | Inf | 4 |

802.11ac VHT40_Nss4,(MCS0)_4TX

EBW

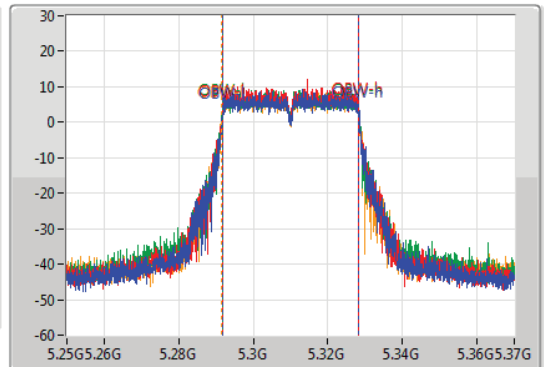
5310MHz

16/12/2020

CF
5.31GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 44.58M | 5.2878G | 5.33238G | 36.702M | 5.291649G | 5.328351G | Inf | 1 |
| 44.16M | 5.28768G | 5.33184G | 36.522M | 5.291709G | 5.328231G | Inf | 2 |
| 43.38M | 5.28822G | 5.3316G | 36.642M | 5.291649G | 5.328291G | Inf | 3 |
| 45.36M | 5.28726G | 5.33262G | 36.762M | 5.291589G | 5.328351G | Inf | 4 |

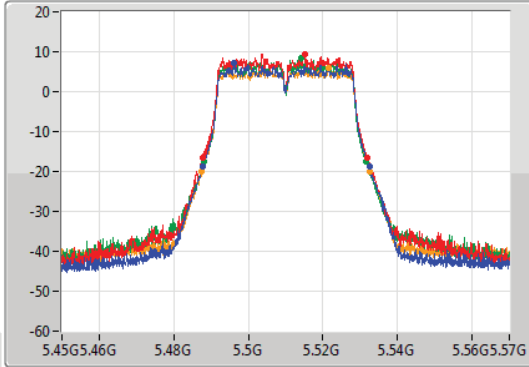
802.11ac VHT40_Nss4,(MCS0)_4TX

EBW

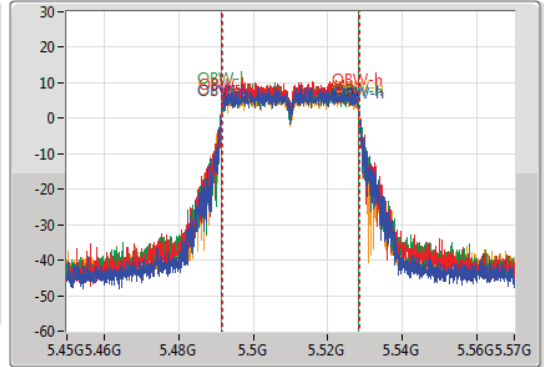
5510MHz

16/12/2020

CF
5.51GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.51GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 44.64M | 5.48786G | 5.5325G | 36.822M | 5.491589G | 5.528411G | Inf | 1 |
| 44.28M | 5.48762G | 5.5319G | 36.642M | 5.491649G | 5.528291G | Inf | 2 |
| 43.32M | 5.48822G | 5.53154G | 36.762M | 5.491589G | 5.528351G | Inf | 3 |
| 45.24M | 5.48732G | 5.53256G | 36.822M | 5.491589G | 5.528411G | Inf | 4 |

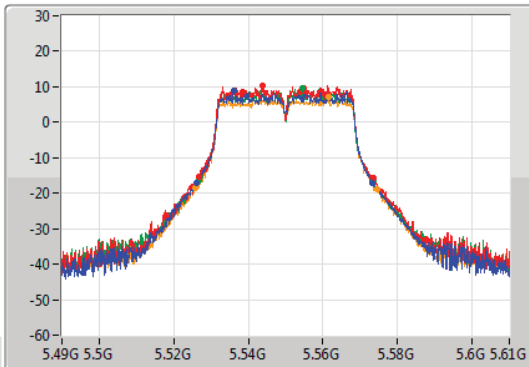
802.11ac VHT40_Nss4,(MCS0)_4TX

EBW

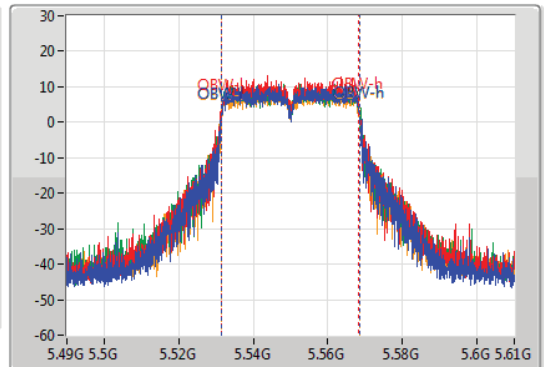
5550MHz

16/12/2020

CF
5.55GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.55GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 47.22M | 5.52606G | 5.57328G | 36.882M | 5.531589G | 5.568471G | Inf | 1 |
| 46.74M | 5.52678G | 5.57352G | 36.762M | 5.531589G | 5.568351G | Inf | 2 |
| 46.56M | 5.52684G | 5.5734G | 37.121M | 5.531409G | 5.568531G | Inf | 3 |
| 48.84M | 5.52564G | 5.57448G | 36.942M | 5.531469G | 5.568411G | Inf | 4 |

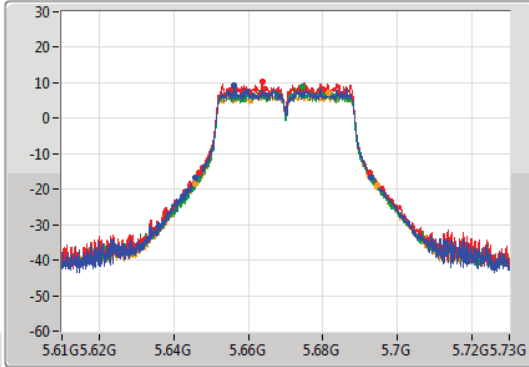
802.11ac VHT40_Nss4,(MCS0)_4TX

EBW

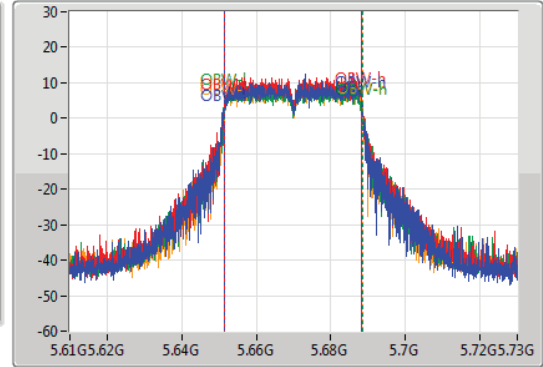
5670MHz

16/12/2020

CF
5.67GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.67GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 47.16M | 5.64588G | 5.69304G | 37.001M | 5.651349G | 5.688351G | Inf | 1 |
| 45.84M | 5.64678G | 5.69262G | 36.822M | 5.651529G | 5.688351G | Inf | 2 |
| 46.68M | 5.6466G | 5.69328G | 37.061M | 5.651349G | 5.688411G | Inf | 3 |
| 48.78M | 5.64576G | 5.69454G | 36.942M | 5.651469G | 5.688411G | Inf | 4 |

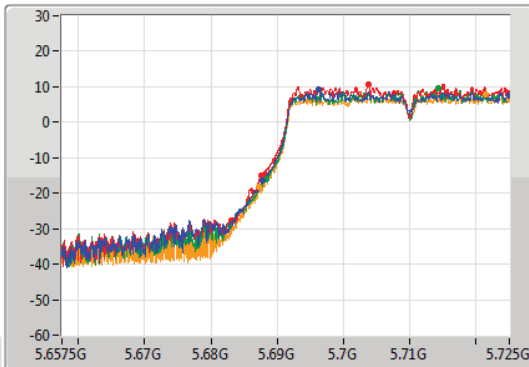
802.11ac VHT40_Nss4,(MCS0)_4TX

EBW

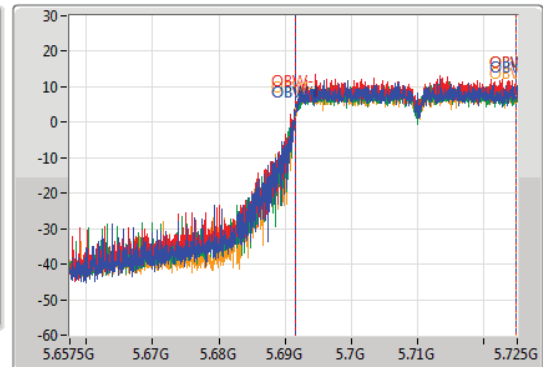
5710MHz Straddle 5.47-5.725GHz

16/12/2020

CF
5.69125GHz
Span
67.5MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.69125GHz
Span
67.5MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

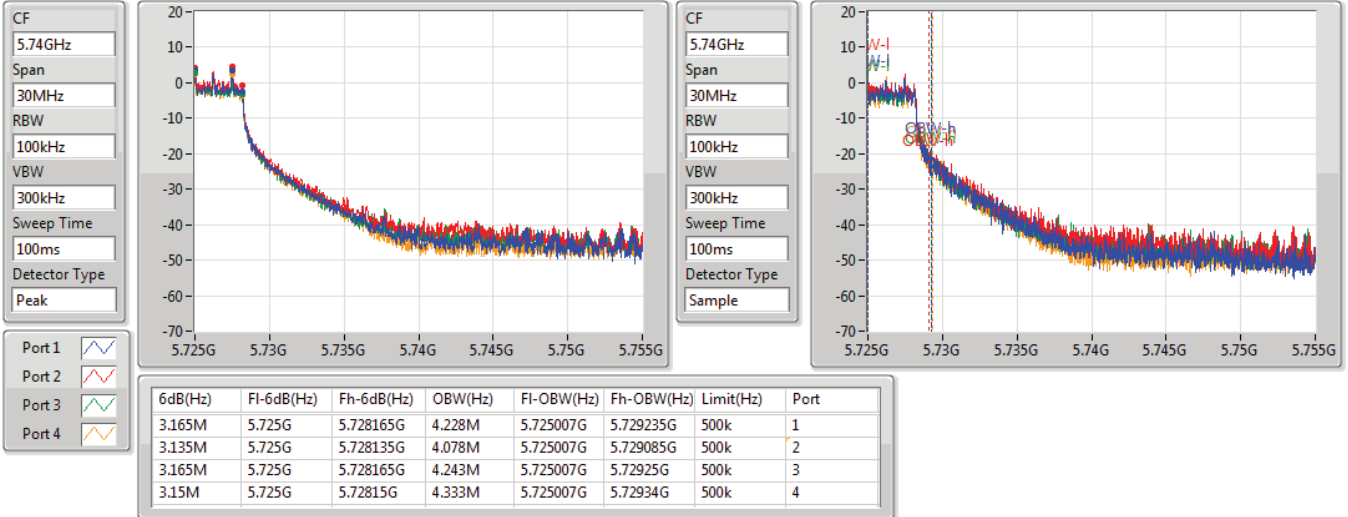
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 37.193M | 5.687808G | 5.725G | 33.328M | 5.691554G | 5.724882G | Inf | 1 |
| 37.496M | 5.687504G | 5.725G | 33.227M | 5.691587G | 5.724814G | Inf | 2 |
| 36.754M | 5.688246G | 5.725G | 33.396M | 5.691486G | 5.724882G | Inf | 3 |
| 37.699M | 5.687301G | 5.725G | 33.295M | 5.691554G | 5.724848G | Inf | 4 |

802.11ac VHT40_Nss4,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

16/12/2020



802.11ac VHT80_Nss4,(MCS0)_4TX

EBW

5290MHz

16/12/2020



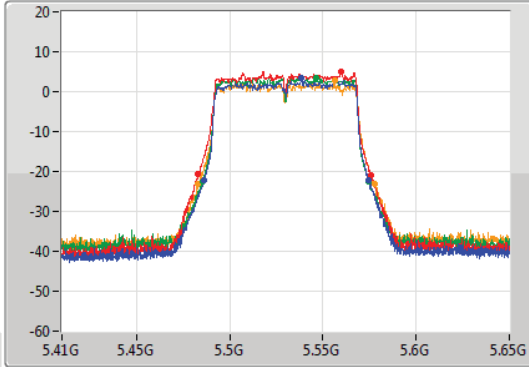
802.11ac VHT80_Nss4,(MCS0)_4TX

EBW

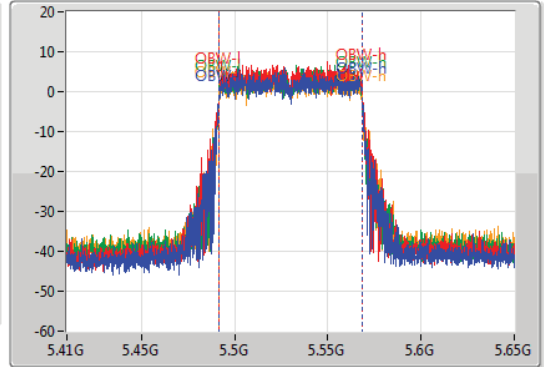
5530MHz

16/12/2020

CF
5.53GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 88.68M | 5.48608G | 5.57476G | 76.522M | 5.491739G | 5.568261G | Inf | 1 |
| 92.64M | 5.4832G | 5.57584G | 76.522M | 5.491739G | 5.568261G | Inf | 2 |
| 89.4M | 5.48536G | 5.57476G | 76.642M | 5.491739G | 5.568381G | Inf | 3 |
| 94.92M | 5.4832G | 5.57812G | 76.522M | 5.491739G | 5.568261G | Inf | 4 |

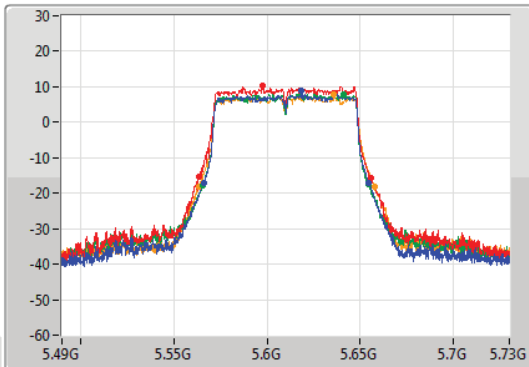
802.11ac VHT80_Nss4,(MCS0)_4TX

EBW

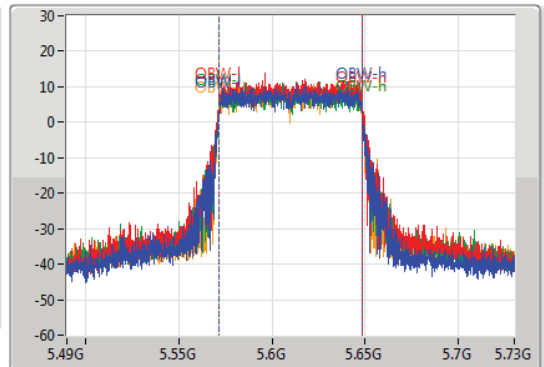
5610MHz

16/12/2020

CF
5.61GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.61GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 88.68M | 5.56596G | 5.65464G | 76.522M | 5.571739G | 5.648261G | Inf | 1 |
| 92.4M | 5.56344G | 5.65584G | 76.522M | 5.571859G | 5.648381G | Inf | 2 |
| 89.28M | 5.56536G | 5.65464G | 76.522M | 5.571739G | 5.648261G | Inf | 3 |
| 94.44M | 5.56332G | 5.65776G | 76.522M | 5.571619G | 5.648141G | Inf | 4 |

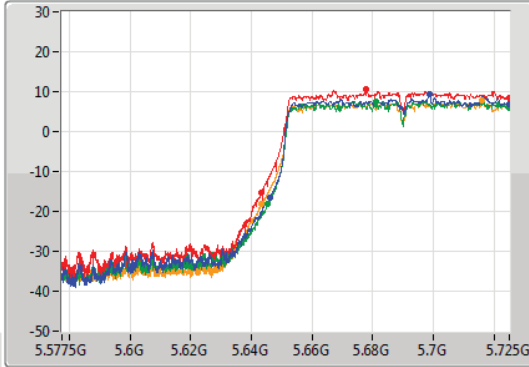
802.11ac VHT80_Nss4,(MCS0)_4TX

EBW

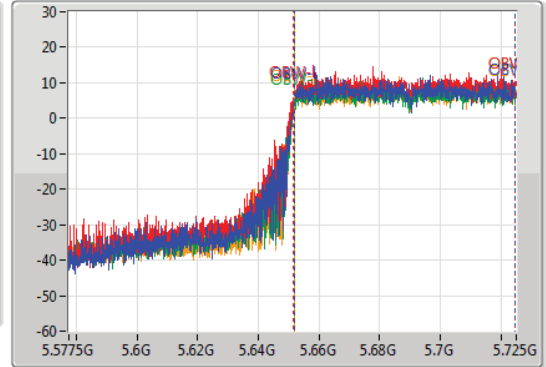
5690MHz Straddle 5.47-5.725GHz

16/12/2020

CF
5.65125GHz
Span
147.5MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.65125GHz
Span
147.5MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 79.06M | 5.64594G | 5.725G | 72.902M | 5.651692G | 5.724595G | Inf | 1 |
| 81.715M | 5.643285G | 5.725G | 73.05M | 5.651545G | 5.724595G | Inf | 2 |
| 79.65M | 5.64535G | 5.725G | 72.829M | 5.651766G | 5.724595G | Inf | 3 |
| 81.715M | 5.643285G | 5.725G | 72.829M | 5.651766G | 5.724595G | Inf | 4 |

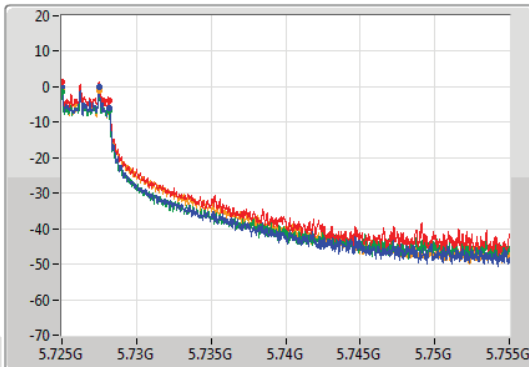
802.11ac VHT80_Nss4,(MCS0)_4TX

EBW

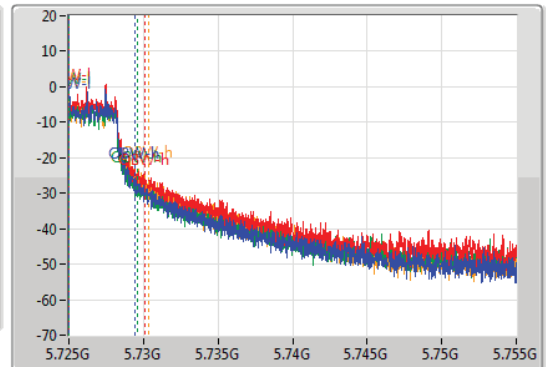
5690MHz Straddle 5.725-5.85GHz

16/12/2020

CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

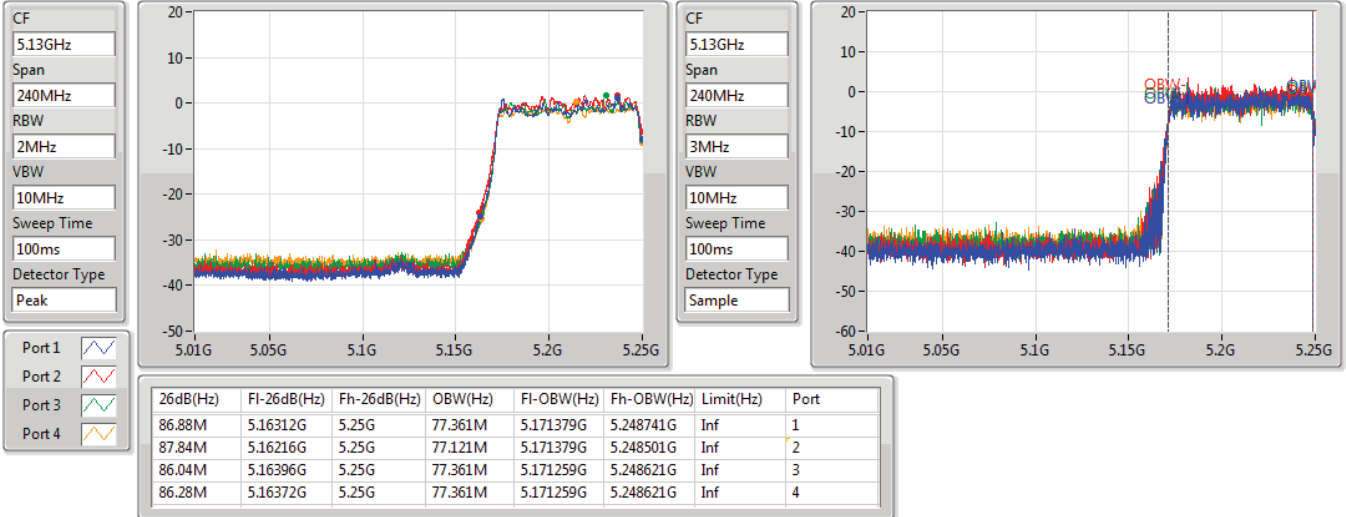
| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 3.165M | 5.725G | 5.728165G | 4.393M | 5.725007G | 5.7294G | 500k | 1 |
| 3.15M | 5.725G | 5.72815G | 5.097M | 5.725007G | 5.730105G | 500k | 2 |
| 3.165M | 5.725G | 5.728165G | 4.618M | 5.725007G | 5.729625G | 500k | 3 |
| 3.135M | 5.725G | 5.728135G | 5.352M | 5.725007G | 5.73036G | 500k | 4 |

802.11ac VHT160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

16/12/2020

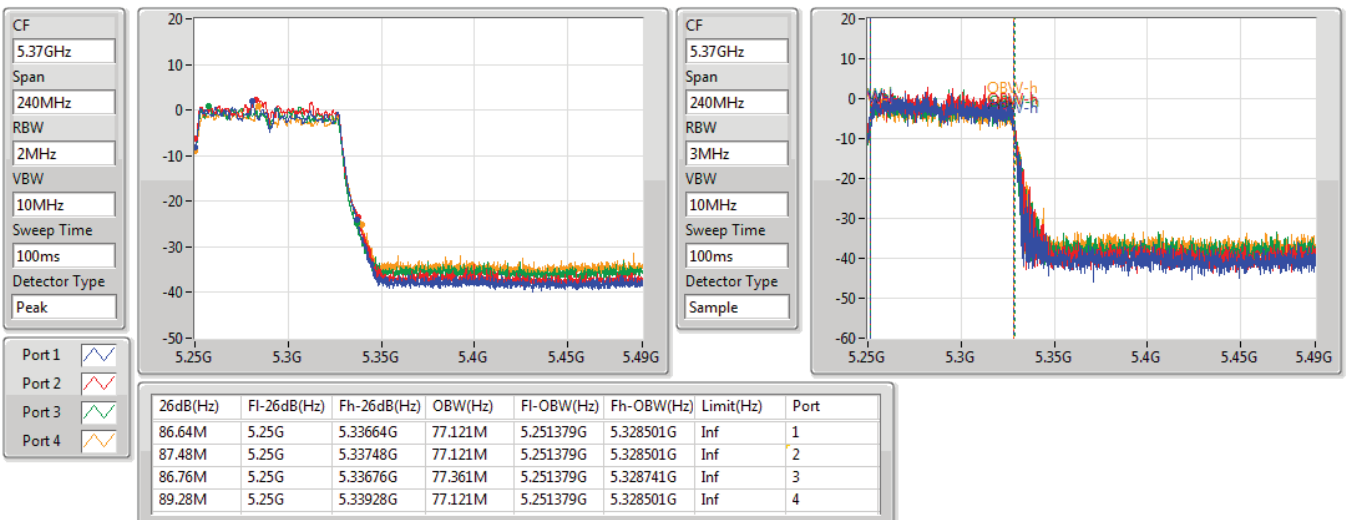


802.11ac VHT160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

16/12/2020



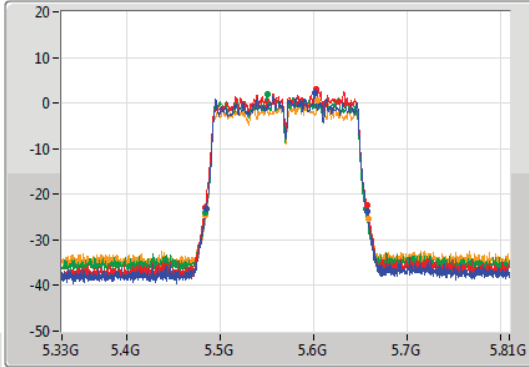
802.11ac VHT160_Nss4,(MCS0)_4TX

EBW

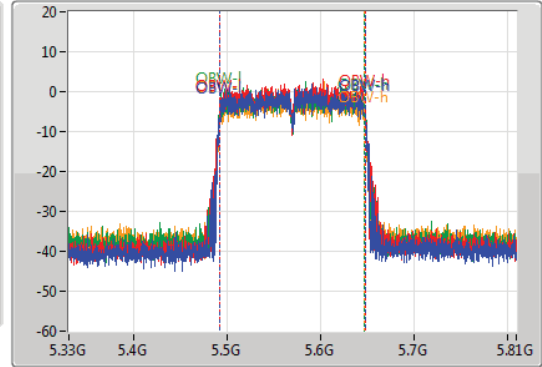
5570MHz

16/12/2020

CF
5.57GHz
Span
480MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.57GHz
Span
480MHz
RBW
3MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|----------|------------|------------|-----------|------|
| 172.56M | 5.48456G | 5.65712G | 155.442M | 5.492279G | 5.647721G | Inf | 1 |
| 174.48M | 5.48312G | 5.6576G | 155.442M | 5.492279G | 5.647721G | Inf | 2 |
| 171.36M | 5.48432G | 5.65568G | 155.442M | 5.492039G | 5.647481G | Inf | 3 |
| 174.72M | 5.48432G | 5.65904G | 155.442M | 5.492039G | 5.647481G | Inf | 4 |

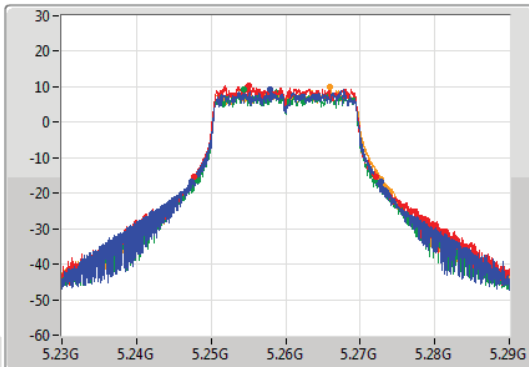
802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

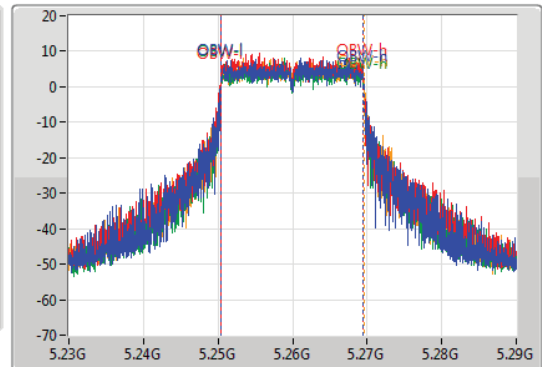
5260MHz

09/12/2020

CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 25.41M | 5.24731G | 5.27272G | 19.07M | 5.250435G | 5.269505G | Inf | 1 |
| 24.3M | 5.24779G | 5.27209G | 19.07M | 5.250405G | 5.269475G | Inf | 2 |
| 23.85M | 5.24818G | 5.27203G | 19.07M | 5.250435G | 5.269505G | Inf | 3 |
| 25.11M | 5.2477G | 5.27281G | 19.13M | 5.250405G | 5.269535G | Inf | 4 |



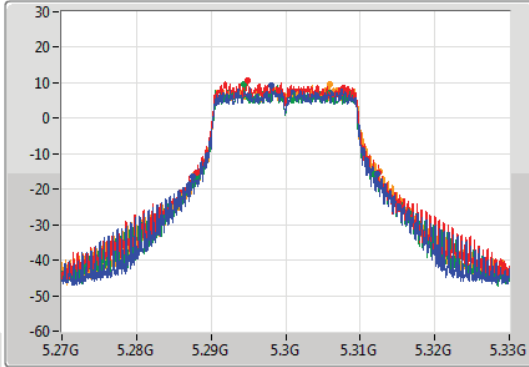
802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

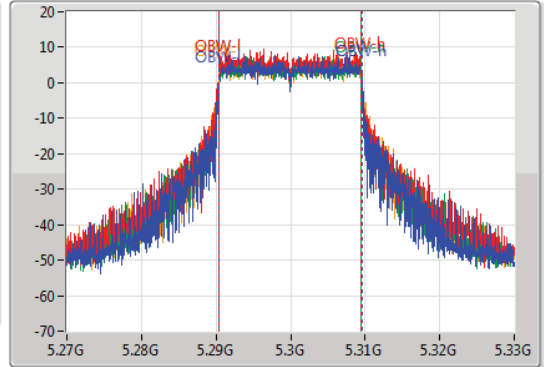
5300MHz

09/12/2020

CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 24.81M | 5.28749G | 5.3123G | 19.1M | 5.290435G | 5.309535G | Inf | 1 |
| 24.36M | 5.28806G | 5.31242G | 19.1M | 5.290405G | 5.309505G | Inf | 2 |
| 23.76M | 5.28812G | 5.31188G | 19.04M | 5.290435G | 5.309475G | Inf | 3 |
| 24.99M | 5.2877G | 5.31269G | 19.1M | 5.290405G | 5.309505G | Inf | 4 |

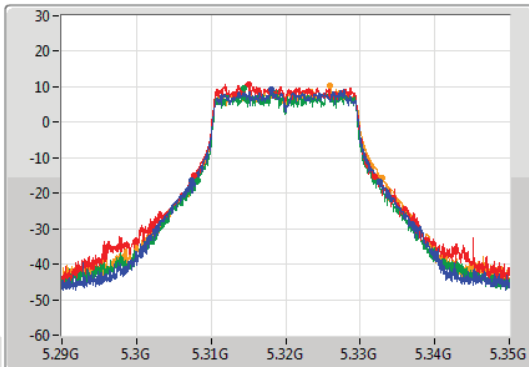
802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

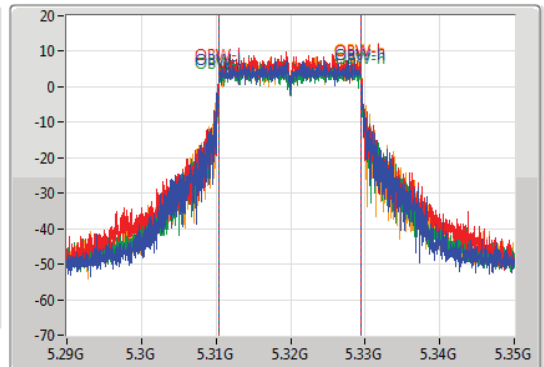
5320MHz

09/12/2020

CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 25.23M | 5.30743G | 5.33266G | 19.1M | 5.310405G | 5.329505G | Inf | 1 |
| 24.18M | 5.30779G | 5.33197G | 19.1M | 5.310405G | 5.329505G | Inf | 2 |
| 23.82M | 5.30821G | 5.33203G | 19.1M | 5.310405G | 5.329505G | Inf | 3 |
| 25.08M | 5.30779G | 5.33287G | 19.1M | 5.310405G | 5.329505G | Inf | 4 |

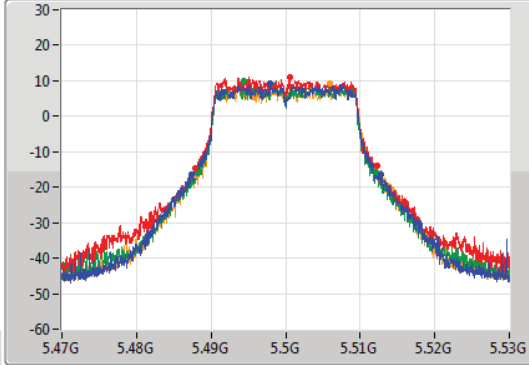
802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

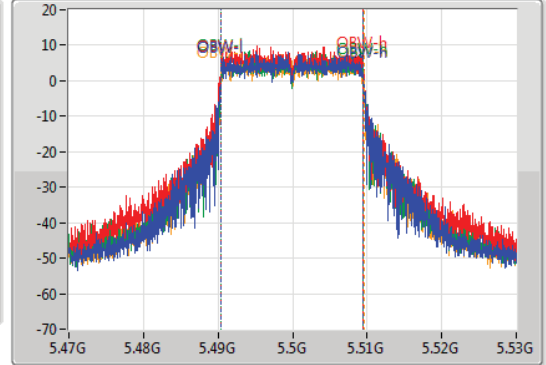
5500MHz

09/12/2020

CF
5.5GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.5GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 25.38M | 5.4874G | 5.51278G | 19.07M | 5.490435G | 5.509505G | Inf | 1 |
| 24.42M | 5.48785G | 5.51227G | 19.07M | 5.490405G | 5.509475G | Inf | 2 |
| 23.85M | 5.48827G | 5.51212G | 19.04M | 5.490435G | 5.509475G | Inf | 3 |
| 24.84M | 5.488G | 5.51284G | 19.16M | 5.490375G | 5.509535G | Inf | 4 |

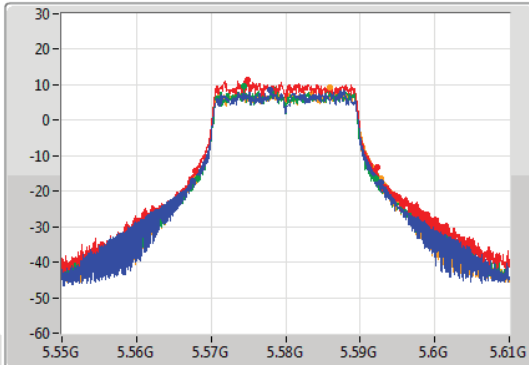
802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

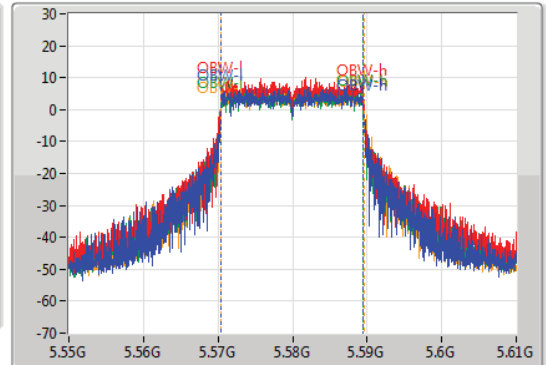
5580MHz

09/12/2020

CF
5.58GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.58GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 25.26M | 5.56749G | 5.59275G | 19.07M | 5.570435G | 5.589505G | Inf | 1 |
| 24.42M | 5.56782G | 5.59224G | 19.1M | 5.570375G | 5.589475G | Inf | 2 |
| 23.88M | 5.56824G | 5.59212G | 19.04M | 5.570435G | 5.589475G | Inf | 3 |
| 24.81M | 5.568G | 5.59281G | 19.16M | 5.570375G | 5.589535G | Inf | 4 |

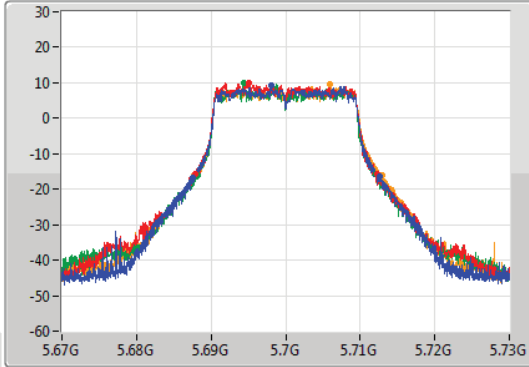
802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

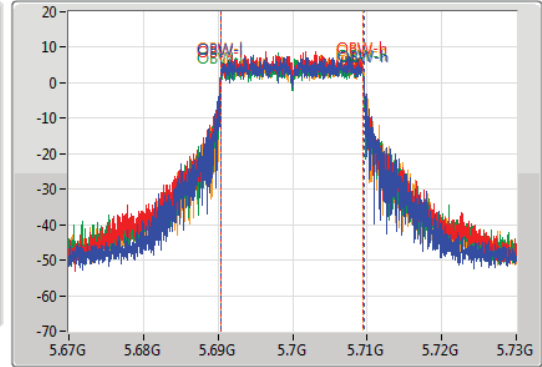
5700MHz

09/12/2020

CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 25.11M | 5.68749G | 5.7126G | 19.13M | 5.690405G | 5.709535G | Inf | 1 |
| 24.39M | 5.68785G | 5.71224G | 19.13M | 5.690375G | 5.709505G | Inf | 2 |
| 23.85M | 5.68824G | 5.71209G | 19.1M | 5.690405G | 5.709505G | Inf | 3 |
| 25.11M | 5.68776G | 5.71287G | 19.1M | 5.690405G | 5.709505G | Inf | 4 |

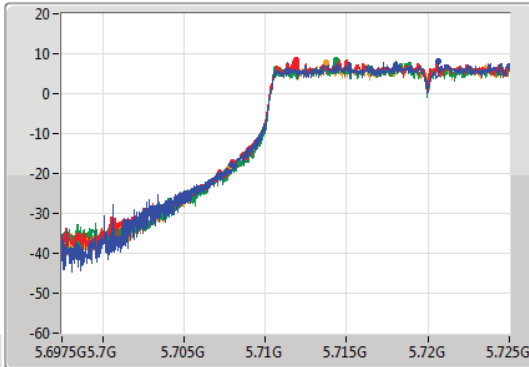
802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

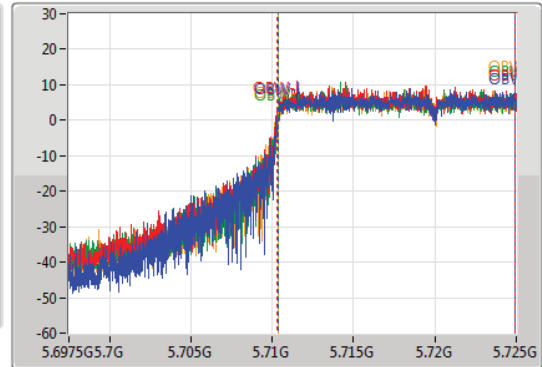
5720MHz Straddle 5.47-5.725GHz

09/12/2020

CF
5.71125GHz
Span
27.5MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.71125GHz
Span
27.5MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 17.091M | 5.707909G | 5.725G | 14.54M | 5.71037G | 5.724911G | Inf | 1 |
| 16.968M | 5.708033G | 5.725G | 14.609M | 5.710329G | 5.724938G | Inf | 2 |
| 16.555M | 5.708445G | 5.725G | 14.595M | 5.710357G | 5.724952G | Inf | 3 |
| 17.188M | 5.707813G | 5.725G | 14.581M | 5.710357G | 5.724938G | Inf | 4 |

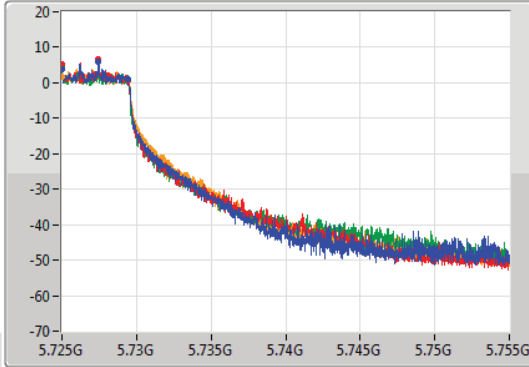
802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

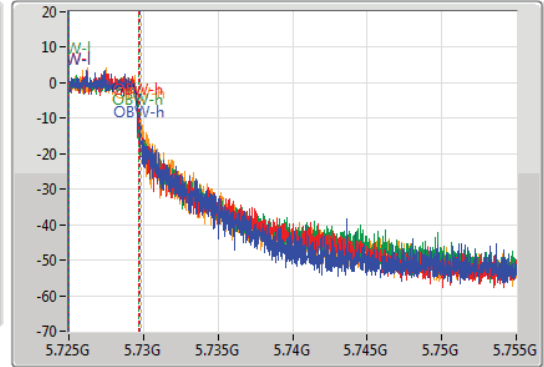
5720MHz Straddle 5.725-5.85GHz

09/12/2020

CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 4.425M | 5.725G | 5.729425G | 4.708M | 5.725022G | 5.72973G | 500k | 1 |
| 4.44M | 5.725G | 5.72944G | 4.633M | 5.725022G | 5.729655G | 500k | 2 |
| 4.455M | 5.725G | 5.729455G | 4.693M | 5.725022G | 5.729715G | 500k | 3 |
| 4.44M | 5.725G | 5.72944G | 4.813M | 5.725022G | 5.729835G | 500k | 4 |

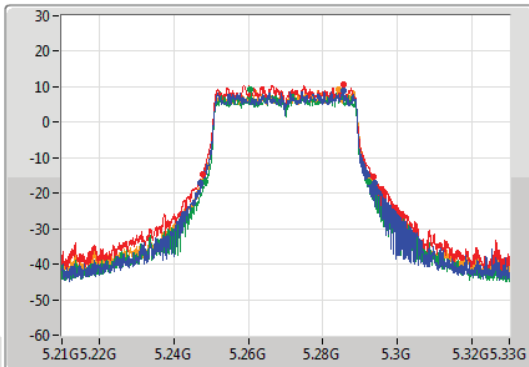
802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

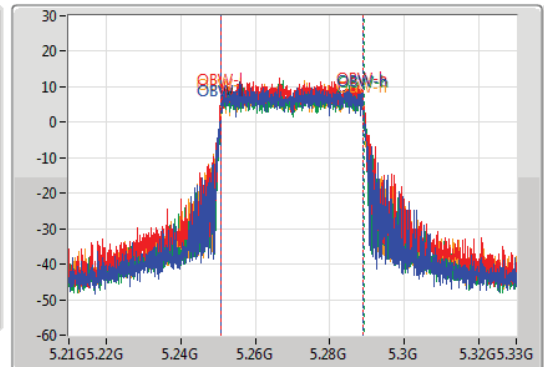
5270MHz

09/12/2020

CF
5.27GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.27GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 46.92M | 5.24708G | 5.294G | 38.141M | 5.25087G | 5.28901G | Inf | 1 |
| 45.72M | 5.24786G | 5.29358G | 38.201M | 5.25081G | 5.28901G | Inf | 2 |
| 43.8M | 5.24858G | 5.29238G | 38.201M | 5.25087G | 5.28907G | Inf | 3 |
| 44.94M | 5.24762G | 5.29256G | 38.201M | 5.25081G | 5.28901G | Inf | 4 |

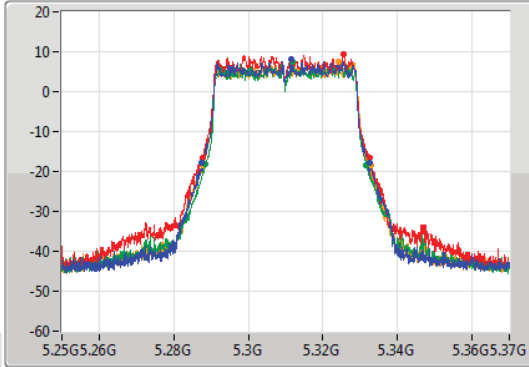
802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

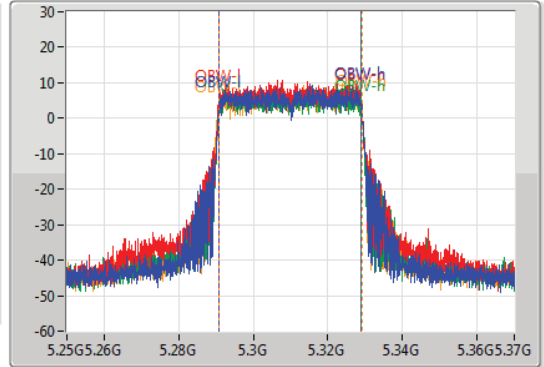
5310MHz

09/12/2020

CF
5.31GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 45M | 5.28744G | 5.33244G | 38.201M | 5.29081G | 5.32901G | Inf | 1 |
| 44.76M | 5.28768G | 5.33244G | 38.201M | 5.29081G | 5.32901G | Inf | 2 |
| 43.02M | 5.28858G | 5.3316G | 38.141M | 5.29087G | 5.32901G | Inf | 3 |
| 45.12M | 5.28762G | 5.33274G | 38.201M | 5.29087G | 5.32907G | Inf | 4 |

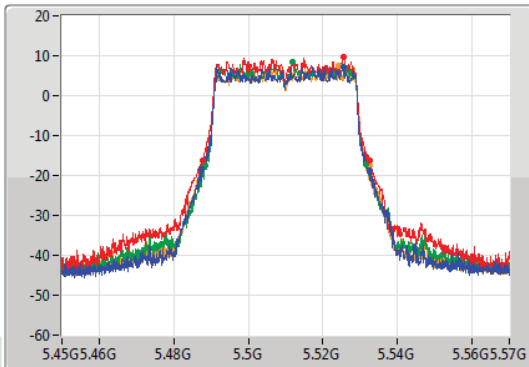
802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

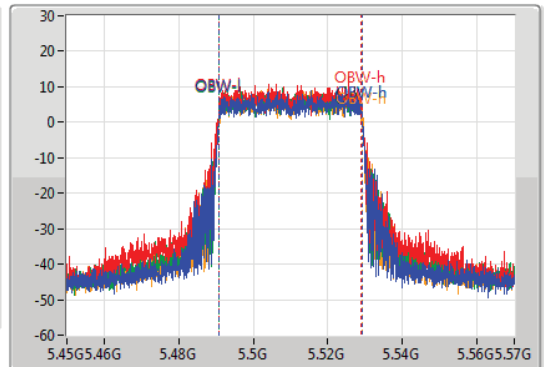
5510MHz

09/12/2020

CF
5.51GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.51GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 45M | 5.48756G | 5.53256G | 38.201M | 5.49087G | 5.52907G | Inf | 1 |
| 44.76M | 5.48774G | 5.5325G | 38.201M | 5.49081G | 5.52901G | Inf | 2 |
| 43.08M | 5.48858G | 5.53166G | 38.201M | 5.49087G | 5.52907G | Inf | 3 |
| 45M | 5.48756G | 5.53256G | 38.201M | 5.49087G | 5.52907G | Inf | 4 |

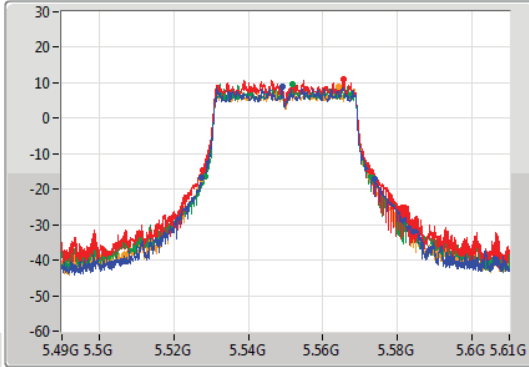
802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

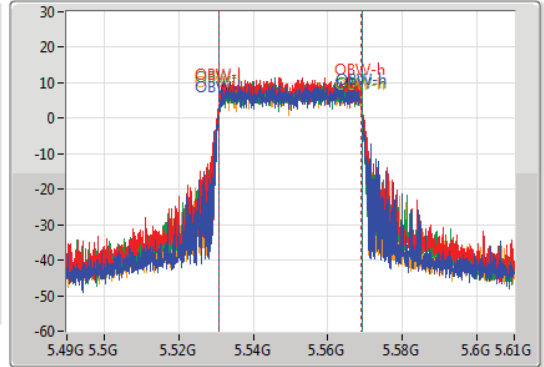
5550MHz

09/12/2020

CF
5.55GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.55GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 46.44M | 5.52732G | 5.57376G | 38.261M | 5.53087G | 5.56913G | Inf | 1 |
| 45M | 5.52786G | 5.57286G | 38.201M | 5.53081G | 5.56901G | Inf | 2 |
| 44.28M | 5.52846G | 5.57274G | 38.201M | 5.53087G | 5.56907G | Inf | 3 |
| 45.06M | 5.5275G | 5.57256G | 38.141M | 5.53087G | 5.56901G | Inf | 4 |

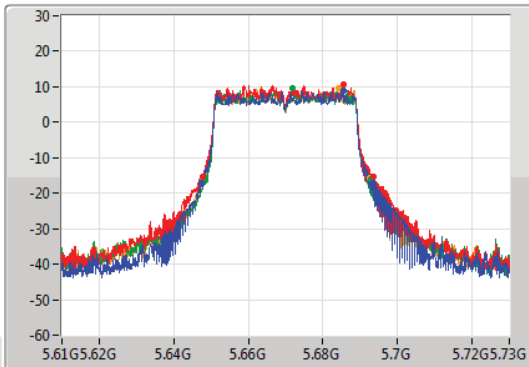
802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

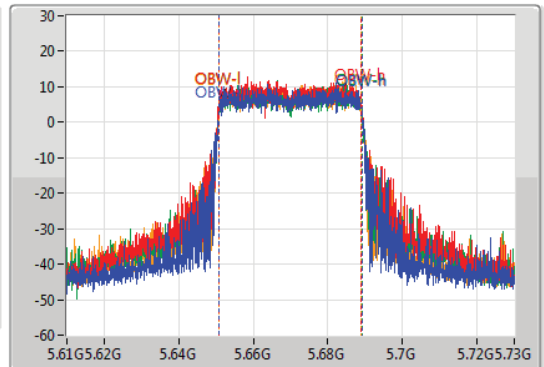
5670MHz

09/12/2020

CF
5.67GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.67GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 46.38M | 5.64732G | 5.6937G | 38.261M | 5.65087G | 5.68913G | Inf | 1 |
| 45.72M | 5.64774G | 5.69346G | 38.201M | 5.65081G | 5.68901G | Inf | 2 |
| 44.4M | 5.64834G | 5.69274G | 38.261M | 5.65081G | 5.68907G | Inf | 3 |
| 44.94M | 5.64762G | 5.69256G | 38.021M | 5.65093G | 5.688951G | Inf | 4 |

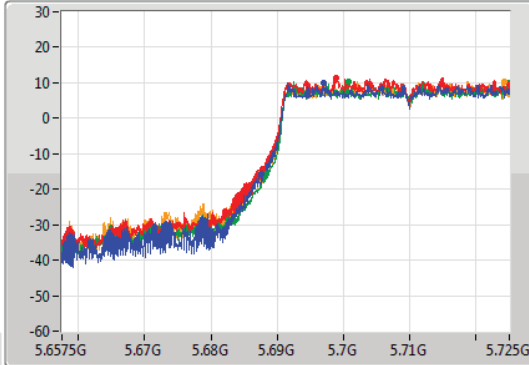
802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

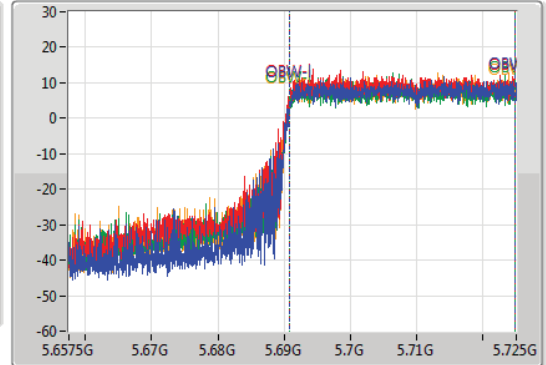
5710MHz Straddle 5.47-5.725GHz

09/12/2020

CF
5.69125GHz
Span
67.5MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.69125GHz
Span
67.5MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 37.463M | 5.687538G | 5.725G | 34.003M | 5.690845G | 5.724848G | Inf | 1 |
| 37.226M | 5.687774G | 5.725G | 34.037M | 5.690778G | 5.724814G | Inf | 2 |
| 36.585M | 5.688415G | 5.725G | 34.07M | 5.690811G | 5.724882G | Inf | 3 |
| 37.429M | 5.687571G | 5.725G | 34.037M | 5.690811G | 5.724848G | Inf | 4 |

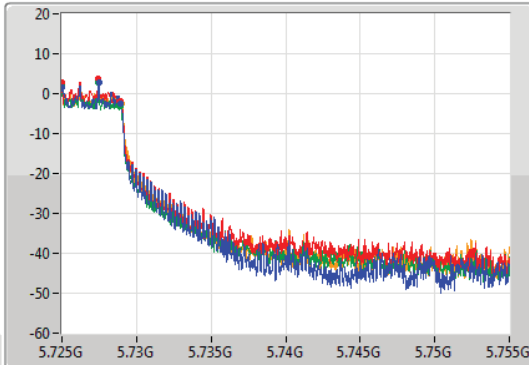
802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

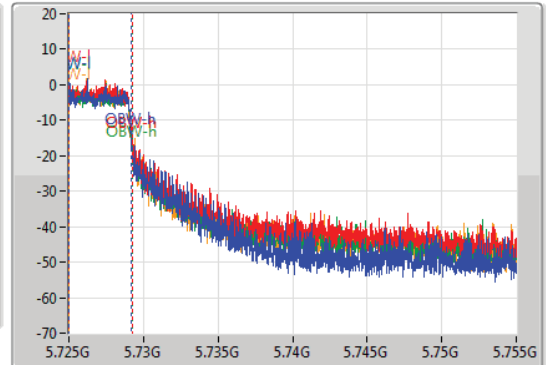
5710MHz Straddle 5.725-5.85GHz

09/12/2020

CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 3.915M | 5.725G | 5.728915G | 4.198M | 5.725007G | 5.729205G | 500k | 1 |
| 3.96M | 5.725G | 5.72896G | 4.273M | 5.725007G | 5.72928G | 500k | 2 |
| 3.96M | 5.725G | 5.72896G | 4.228M | 5.725022G | 5.72925G | 500k | 3 |
| 3.975M | 5.725G | 5.728975G | 4.243M | 5.725022G | 5.729265G | 500k | 4 |

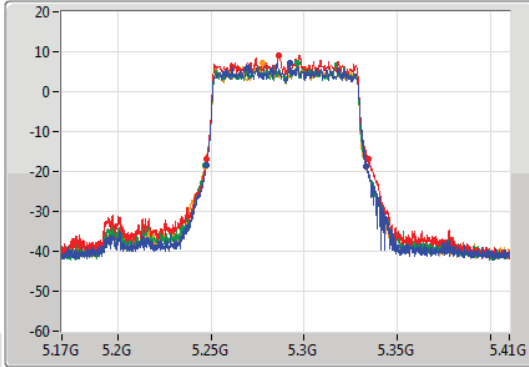
802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

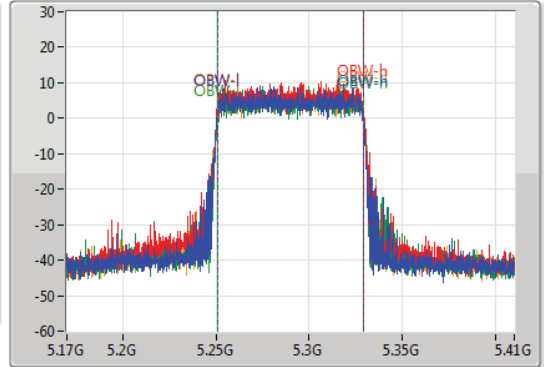
5290MHz

09/12/2020

CF
5.29GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.29GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 85.92M | 5.2474G | 5.33332G | 77.961M | 5.2509G | 5.328861G | Inf | 1 |
| 86.52M | 5.24764G | 5.33416G | 77.841M | 5.251019G | 5.328861G | Inf | 2 |
| 86.16M | 5.24704G | 5.3332G | 77.721M | 5.251139G | 5.328861G | Inf | 3 |
| 86.28M | 5.2468G | 5.33308G | 77.841M | 5.251019G | 5.328861G | Inf | 4 |

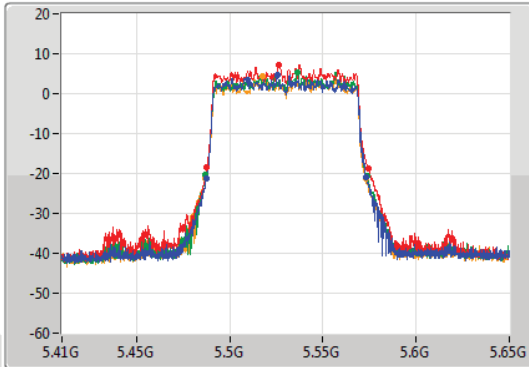
802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

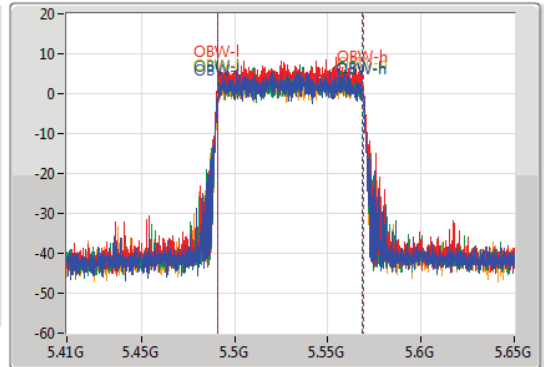
5530MHz

09/12/2020

CF
5.53GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

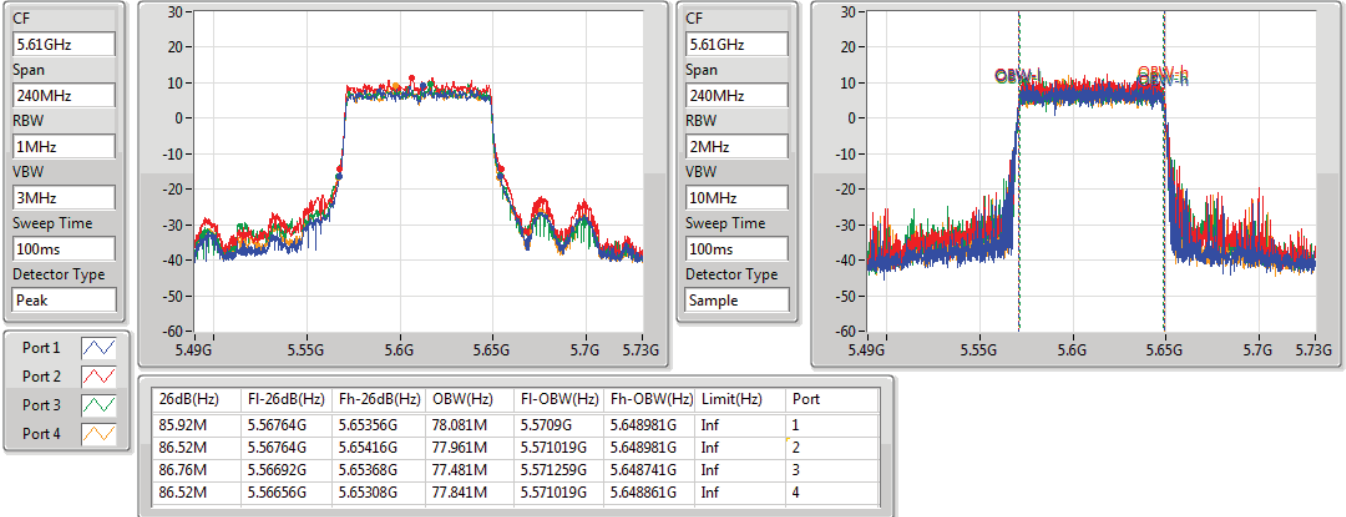
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 86.04M | 5.48728G | 5.57332G | 77.721M | 5.491019G | 5.568741G | Inf | 1 |
| 86.64M | 5.48764G | 5.57428G | 77.961M | 5.491019G | 5.568981G | Inf | 2 |
| 86.4M | 5.48716G | 5.57356G | 77.721M | 5.491019G | 5.568741G | Inf | 3 |
| 86.28M | 5.4868G | 5.57308G | 77.961M | 5.4909G | 5.568861G | Inf | 4 |

802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5610MHz

09/12/2020

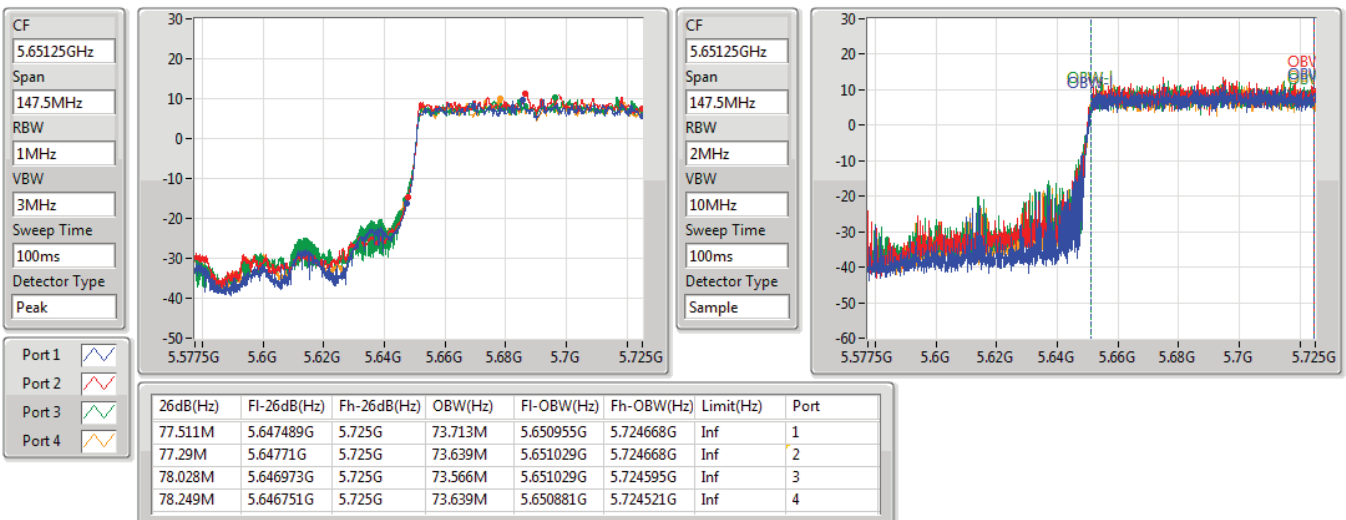


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

09/12/2020

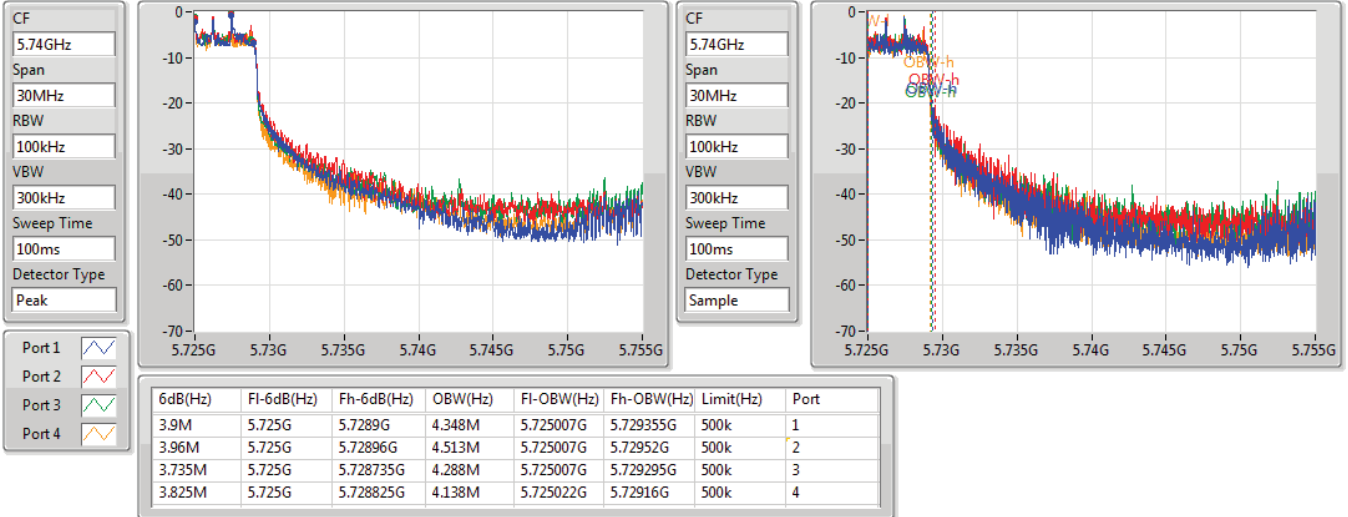


802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

09/12/2020

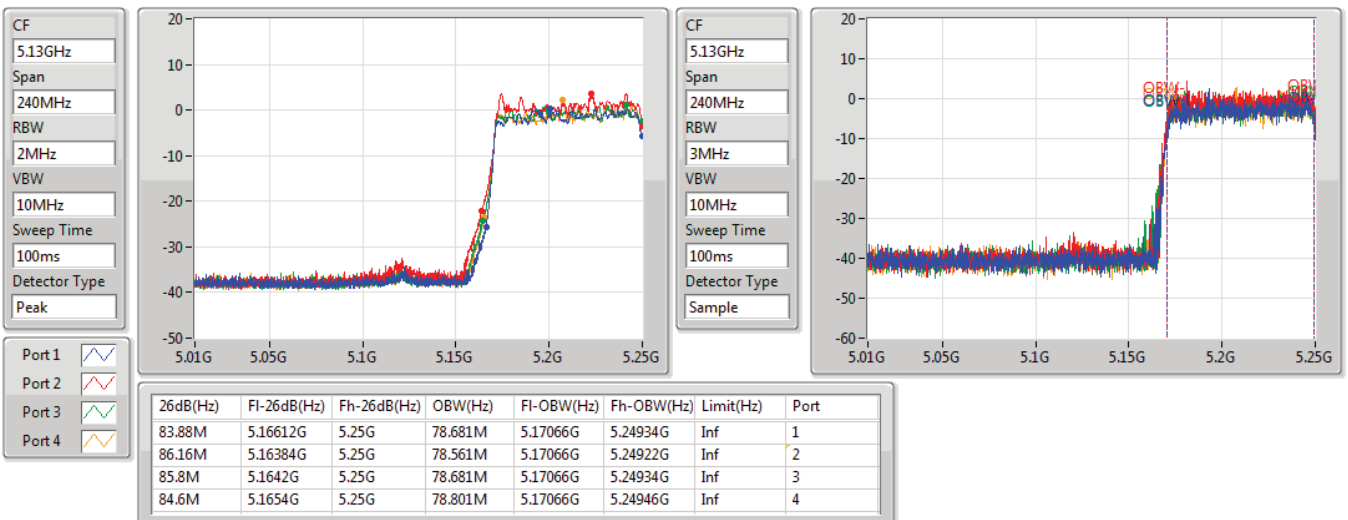


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

09/12/2020

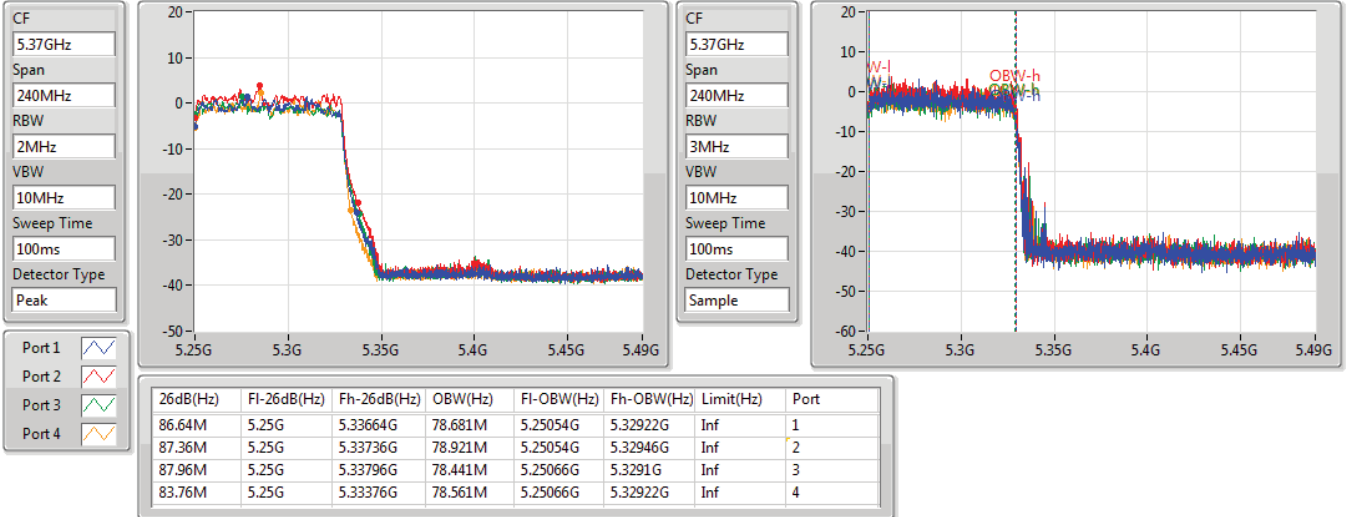


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

09/12/2020

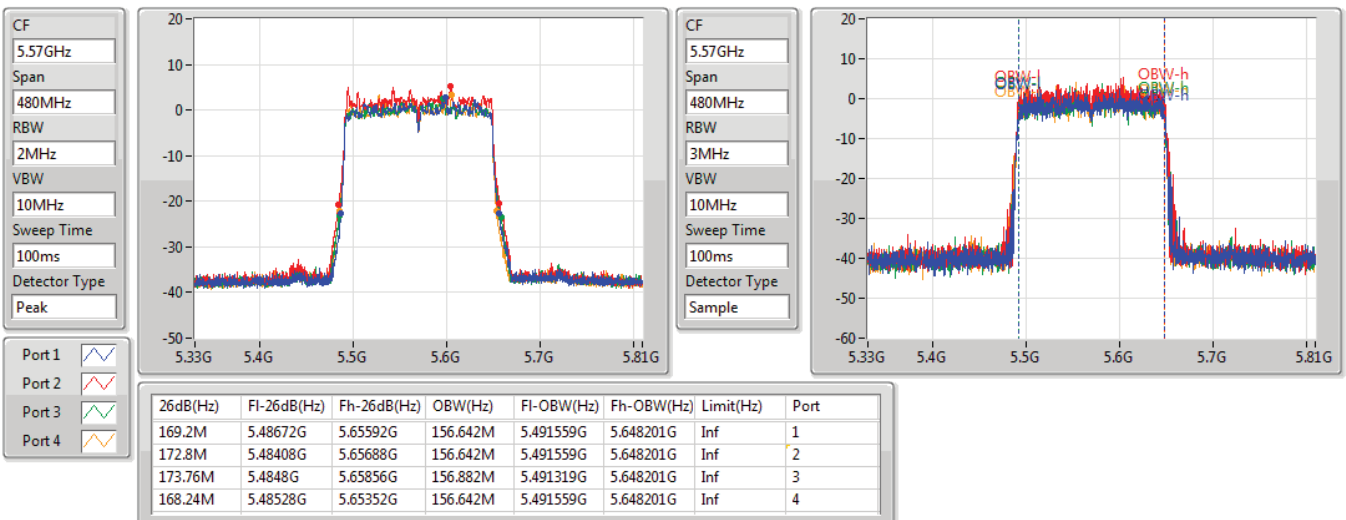


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5570MHz

09/12/2020





Summary

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|------------------------------------|---------------|--------------|----------|---------------|--------------|
| 5.15-5.25GHz | - | - | - | - | - |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | 88.8M | 77.321M | 77M3D1D | 87.84M | 77.241M |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 84.96M | 78.761M | 78M8D1D | 82.88M | 78.441M |
| 5.25-5.35GHz | - | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 29.01M | 18.201M | 18M2D1D | 24.99M | 17.931M |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 50.64M | 36.882M | 36M9D1D | 45.24M | 36.582M |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 93.96M | 76.642M | 76M6D1D | 92.76M | 76.522M |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | 85.2M | 77.401M | 77M4D1D | 80.08M | 76.922M |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 25.74M | 19.07M | 19M1D1D | 25.02M | 18.891M |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 44.76M | 38.321M | 38M3D1D | 39.9M | 38.141M |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 87.48M | 77.961M | 78M0D1D | 86.76M | 77.961M |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 83.68M | 78.521M | 78M5D1D | 83.36M | 78.441M |
| 5.47-5.725GHz | - | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 28.92M | 18.141M | 18M1D1D | 17.145M | 14.063M |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 49.74M | 36.942M | 36M9D1D | 38.045M | 33.303M |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 94.2M | 76.642M | 76M6D1D | 81.225M | 72.864M |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | 174.24M | 155.442M | 155MD1D | 172.56M | 155.202M |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 25.65M | 19.07M | 19M1D1D | 17.55M | 14.543M |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 45.18M | 38.201M | 38M2D1D | 37.03M | 34.003M |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 87.72M | 78.081M | 78M1D1D | 78.375M | 73.613M |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 168.72M | 156.882M | 157MD1D | 166.8M | 156.642M |
| 5.725-5.85GHz | - | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 3.74M | 4.498M | 4M50D1D | 3.72M | 4.378M |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 3.14M | 4.258M | 4M26D1D | 3.08M | 4.158M |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 3.2M | 5.297M | 5M30D1D | 3.1M | 5.037M |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 4.46M | 4.618M | 4M62D1D | 4.4M | 4.558M |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 3.96M | 4.238M | 4M24D1D | 3.88M | 4.138M |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 4.06M | 4.378M | 4M38D1D | 4M | 4.238M |

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth



Result

| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|------------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | Inf | 28.71M | 18.171M | 28.41M | 18.141M | 28.59M | 18.201M | 28.68M | 18.201M |
| 5300MHz | Pass | Inf | 28.02M | 18.111M | 27.9M | 18.111M | 29.01M | 18.051M | 29.01M | 18.051M |
| 5320MHz | Pass | Inf | 25.29M | 18.021M | 24.99M | 17.931M | 25.29M | 17.991M | 25.59M | 17.991M |
| 5500MHz | Pass | Inf | 25.23M | 17.991M | 25.26M | 17.961M | 25.26M | 18.021M | 25.62M | 17.931M |
| 5580MHz | Pass | Inf | 28.26M | 18.141M | 28.92M | 18.141M | 28.23M | 18.111M | 28.26M | 18.141M |
| 5700MHz | Pass | Inf | 25.44M | 17.991M | 25.05M | 18.021M | 25.41M | 18.021M | 25.17M | 17.991M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 17.22M | 14.063M | 17.145M | 14.123M | 17.22M | 14.093M | 17.22M | 14.093M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.74M | 4.438M | 3.72M | 4.378M | 3.72M | 4.498M | 3.74M | 4.478M |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | Inf | 49.08M | 36.822M | 50.22M | 36.822M | 49.5M | 36.882M | 50.64M | 36.882M |
| 5310MHz | Pass | Inf | 45.3M | 36.762M | 45.42M | 36.642M | 45.54M | 36.582M | 45.24M | 36.642M |
| 5510MHz | Pass | Inf | 45.18M | 36.702M | 45.42M | 36.702M | 45.6M | 36.702M | 45.42M | 36.702M |
| 5550MHz | Pass | Inf | 45.44M | 36.702M | 45.1M | 36.712M | 45.58M | 36.702M | 45.86M | 36.712M |
| 5670MHz | Pass | Inf | 49.74M | 36.762M | 49.32M | 36.942M | 49.74M | 36.822M | 49.38M | 36.822M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 38.36M | 33.303M | 38.255M | 33.338M | 38.22M | 33.303M | 38.045M | 33.478M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.08M | 4.158M | 3.14M | 4.178M | 3.1M | 4.258M | 3.1M | 4.158M |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | Inf | 93.12M | 76.642M | 92.76M | 76.522M | 93.96M | 76.522M | 92.76M | 76.522M |
| 5530MHz | Pass | Inf | 92.4M | 76.522M | 93.24M | 76.402M | 92.64M | 76.522M | 93.6M | 76.642M |
| 5610MHz | Pass | Inf | 93.36M | 76.522M | 94.2M | 76.402M | 93.84M | 76.402M | 92.76M | 76.522M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 81.225M | 72.939M | 81.525M | 73.013M | 81.75M | 72.864M | 81.6M | 73.088M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.1M | 5.057M | 3.2M | 5.037M | 3.1M | 5.297M | 3.12M | 5.237M |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | Inf | 87.84M | 77.241M | 88.8M | 77.241M | 88.08M | 77.241M | 88.32M | 77.321M |
| 5250MHz Straddle 5.25-5.35GHz | Pass | Inf | 85.2M | 77.401M | 85.04M | 77.161M | 84.64M | 76.922M | 80.08M | 77.161M |
| 5570MHz | Pass | Inf | 172.56M | 155.202M | 174.24M | 155.202M | 173.52M | 155.442M | 173.76M | 155.442M |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | Inf | 25.11M | 19.07M | 25.32M | 19.04M | 25.2M | 19.07M | 25.17M | 19.07M |
| 5300MHz | Pass | Inf | 25.44M | 18.891M | 25.68M | 19.07M | 25.26M | 19.01M | 25.02M | 19.07M |
| 5320MHz | Pass | Inf | 25.17M | 19.04M | 25.47M | 19.04M | 25.74M | 19.07M | 25.53M | 19.07M |
| 5500MHz | Pass | Inf | 25.05M | 19.04M | 24.75M | 19.07M | 24.84M | 19.04M | 25.32M | 19.04M |
| 5580MHz | Pass | Inf | 25.35M | 19.07M | 25.08M | 19.04M | 24.51M | 19.07M | 25.08M | 18.981M |
| 5700MHz | Pass | Inf | 25.65M | 19.07M | 24.93M | 19.07M | 24.93M | 19.01M | 25.38M | 19.01M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 17.55M | 14.603M | 17.655M | 14.603M | 17.655M | 14.573M | 17.58M | 14.543M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.46M | 4.618M | 4.4M | 4.558M | 4.46M | 4.618M | 4.44M | 4.558M |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | Inf | 44.04M | 38.201M | 39.9M | 38.141M | 44.28M | 38.141M | 44.76M | 38.261M |
| 5310MHz | Pass | Inf | 44.16M | 38.201M | 44.28M | 38.201M | 44.34M | 38.321M | 44.34M | 38.141M |
| 5510MHz | Pass | Inf | 44.88M | 38.201M | 44.28M | 38.141M | 45M | 38.201M | 43.98M | 38.201M |
| 5550MHz | Pass | Inf | 44.28M | 38.201M | 45.18M | 38.201M | 44.46M | 38.201M | 44.04M | 38.201M |
| 5670MHz | Pass | Inf | 44.64M | 38.141M | 45.12M | 38.141M | 44.7M | 38.201M | 44.52M | 38.141M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 37.24M | 34.038M | 37.135M | 34.003M | 38.115M | 34.073M | 37.03M | 34.038M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.92M | 4.198M | 3.88M | 4.198M | 3.94M | 4.138M | 3.96M | 4.238M |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | Inf | 87.48M | 77.961M | 86.76M | 77.961M | 87M | 77.961M | 87.24M | 77.961M |
| 5530MHz | Pass | Inf | 87.12M | 78.081M | 87M | 77.961M | 87.12M | 77.841M | 87.72M | 77.961M |
| 5610MHz | Pass | Inf | 86.88M | 77.841M | 86.76M | 77.961M | 86.76M | 77.841M | 86.88M | 77.961M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 78.375M | 73.688M | 78.525M | 73.613M | 78.45M | 73.913M | 78.6M | 73.688M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.02M | 4.238M | 4M | 4.298M | 4.06M | 4.378M | 4.06M | 4.338M |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | Inf | 84.16M | 78.521M | 84.96M | 78.601M | 83.92M | 78.761M | 82.88M | 78.441M |
| 5250MHz Straddle 5.25-5.35GHz | Pass | Inf | 83.6M | 78.441M | 83.36M | 78.441M | 83.6M | 78.521M | 83.68M | 78.441M |
| 5570MHz | Pass | Inf | 166.8M | 156.642M | 168.72M | 156.642M | 168M | 156.882M | 168.48M | 156.642M |



Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

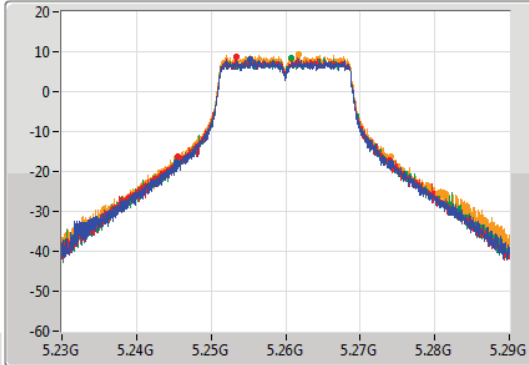
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

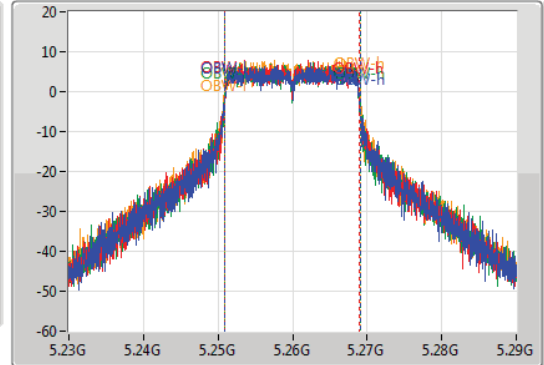
5260MHz

06/05/2021

CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 28.71M | 5.24542G | 5.27413G | 18.171M | 5.250855G | 5.269025G | Inf | 1 |
| 28.41M | 5.24557G | 5.27398G | 18.141M | 5.250855G | 5.268996G | Inf | 2 |
| 28.59M | 5.24542G | 5.27401G | 18.201M | 5.250825G | 5.269025G | Inf | 3 |
| 28.68M | 5.24542G | 5.2741G | 18.201M | 5.250855G | 5.269055G | Inf | 4 |

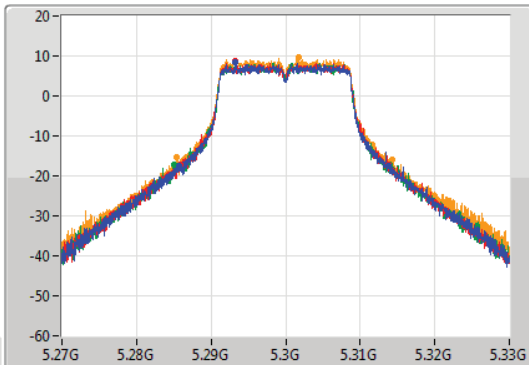
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

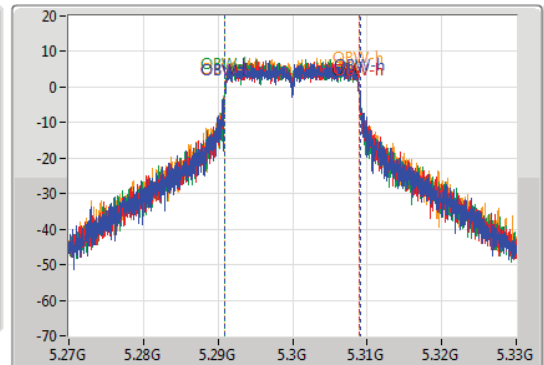
5300MHz

06/05/2021

CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

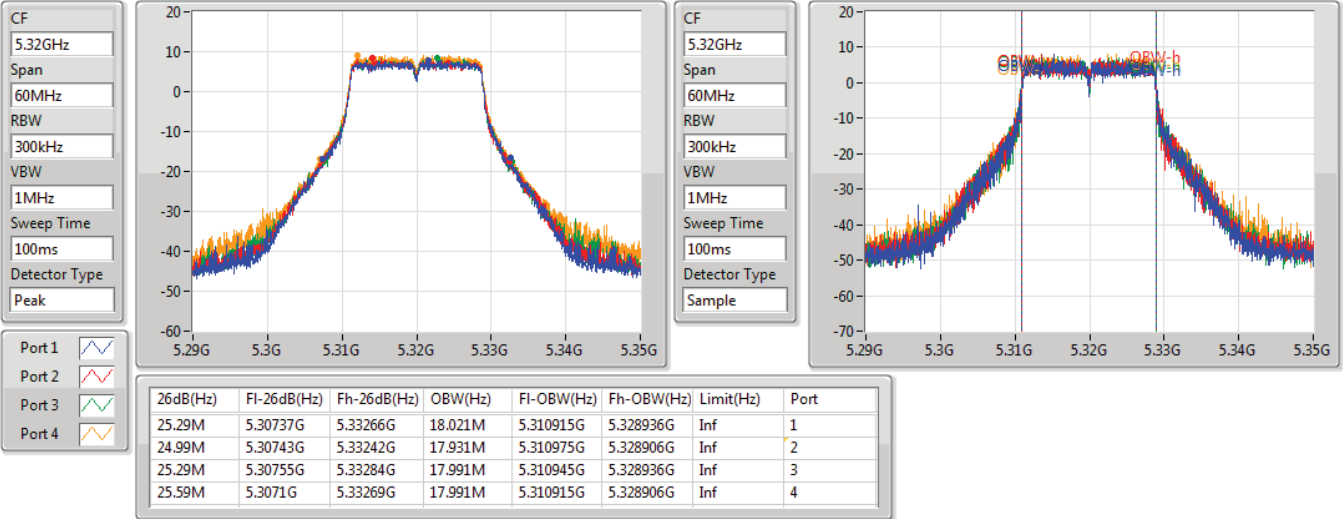
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 28.02M | 5.28578G | 5.3138G | 18.111M | 5.290915G | 5.309025G | Inf | 1 |
| 27.9M | 5.28584G | 5.31374G | 18.111M | 5.290885G | 5.308996G | Inf | 2 |
| 29.01M | 5.28497G | 5.31398G | 18.051M | 5.290915G | 5.308966G | Inf | 3 |
| 29.01M | 5.28536G | 5.31437G | 18.051M | 5.290915G | 5.308966G | Inf | 4 |

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

06/05/2021

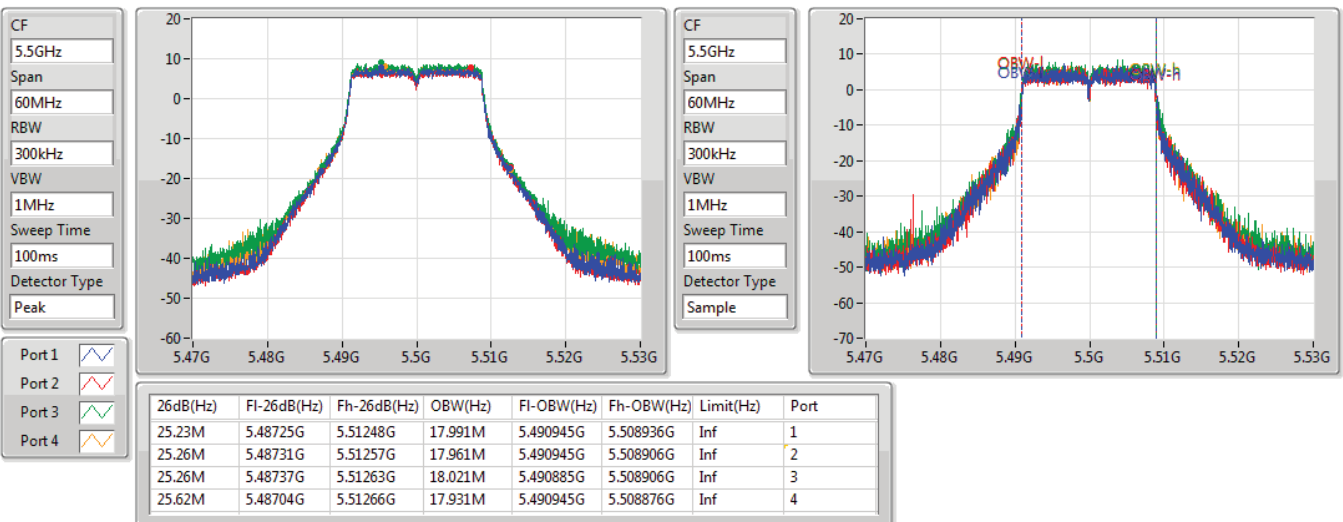


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

06/05/2021

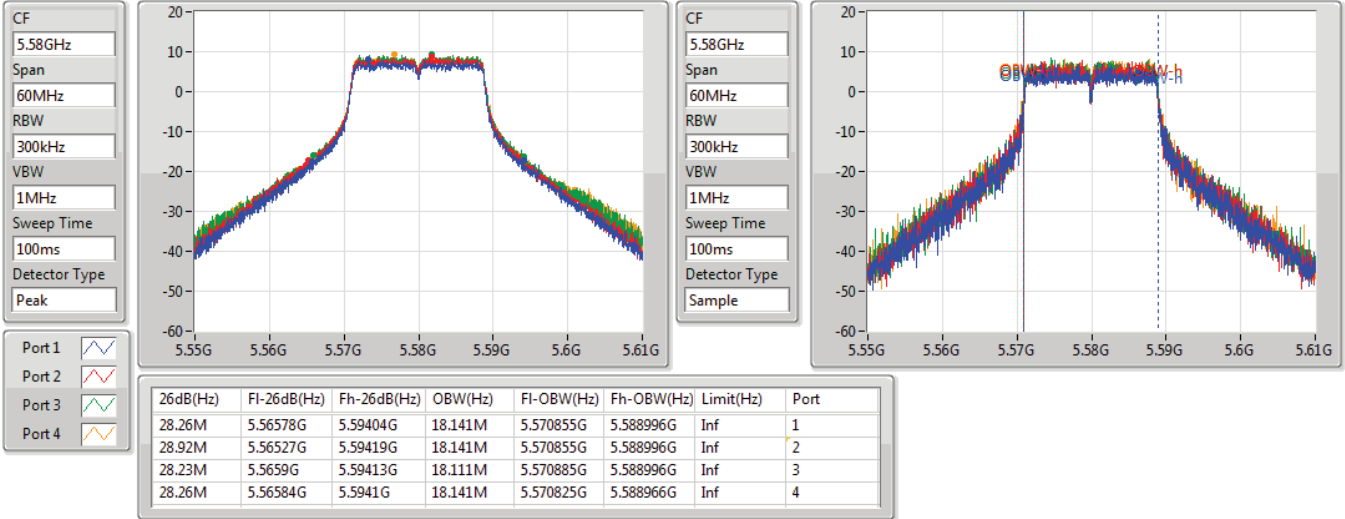


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

06/05/2021

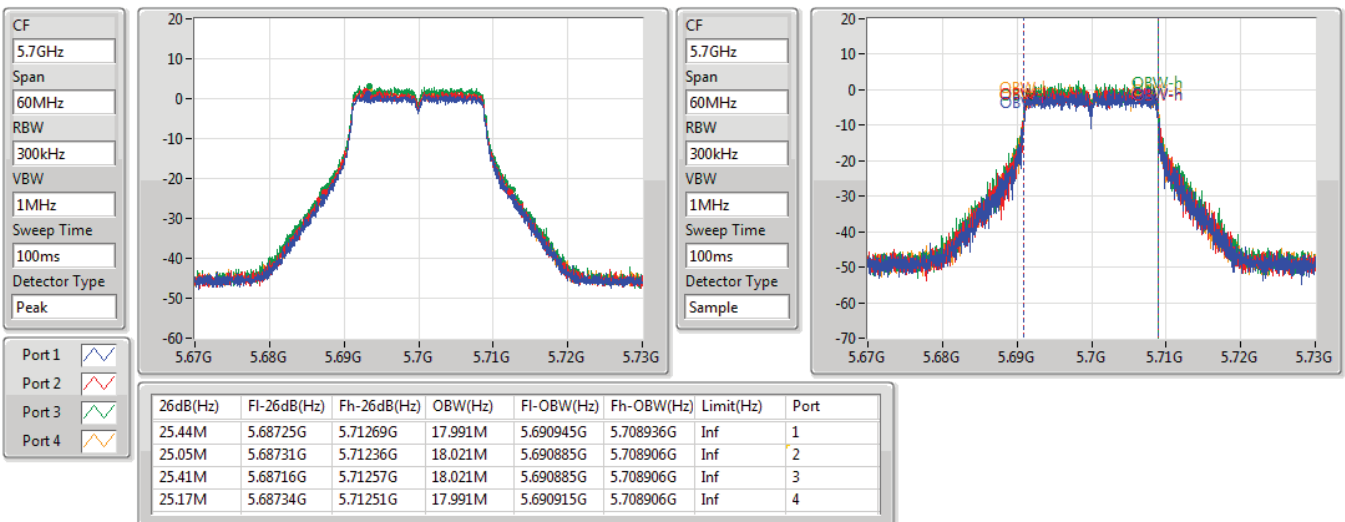


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

06/05/2021

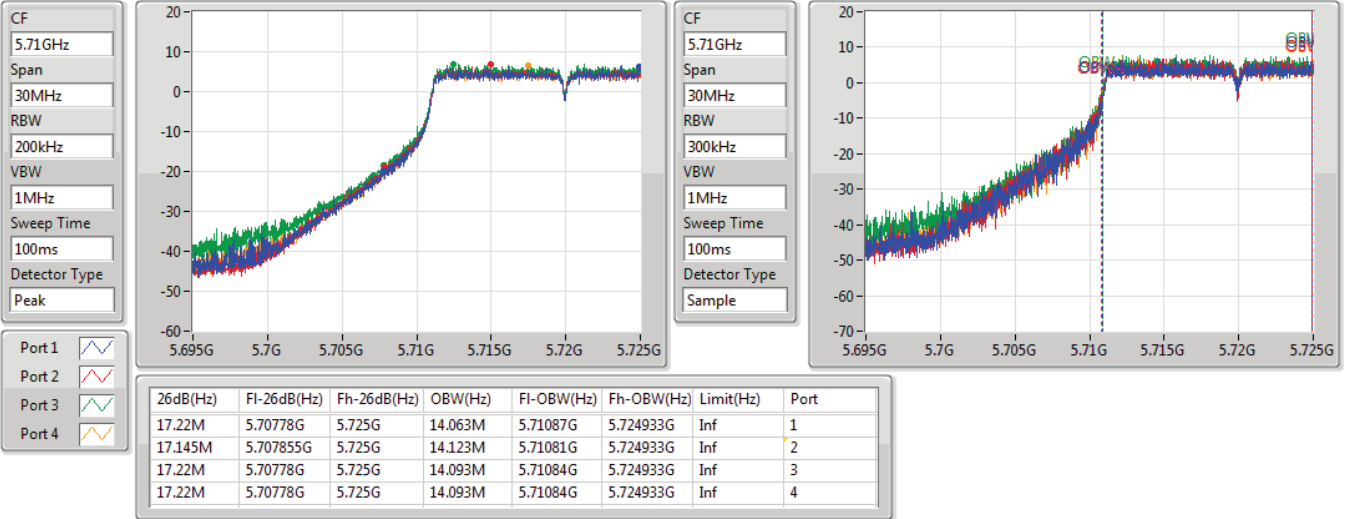


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

06/05/2021

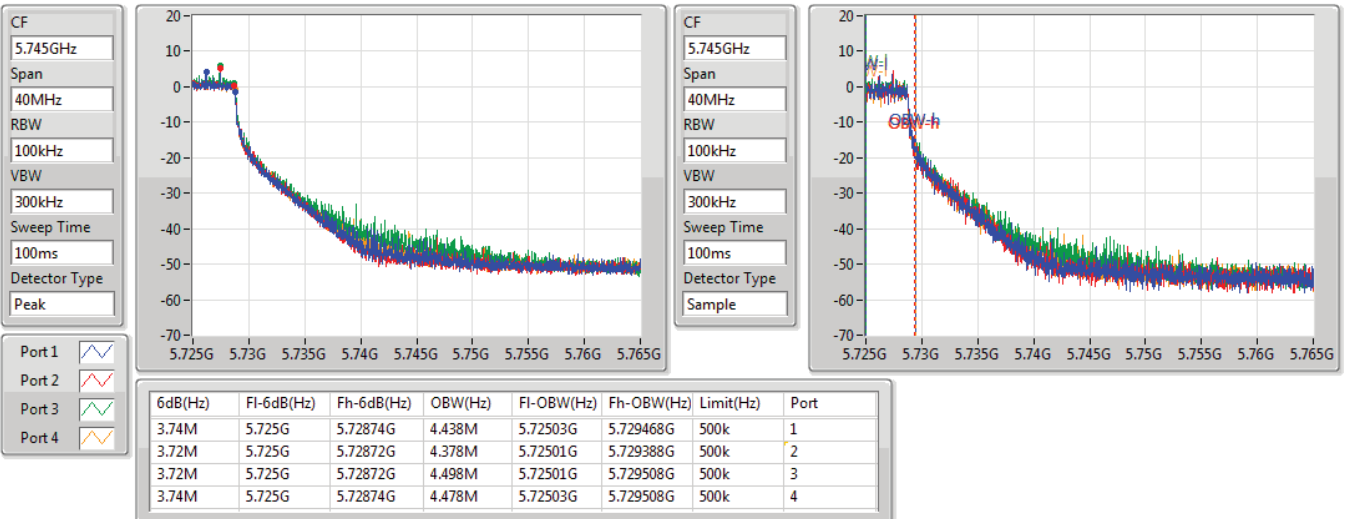


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

06/05/2021



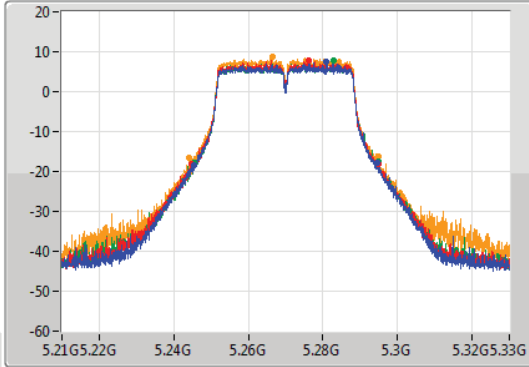
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

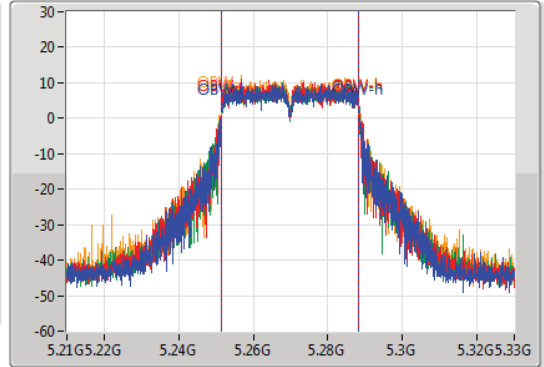
5270MHz

06/05/2021

CF
5.27GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.27GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 49.08M | 5.2454G | 5.29448G | 36.822M | 5.251529G | 5.288351G | Inf | 1 |
| 50.22M | 5.24462G | 5.29484G | 36.822M | 5.251529G | 5.288351G | Inf | 2 |
| 49.5M | 5.24528G | 5.29478G | 36.882M | 5.251469G | 5.288351G | Inf | 3 |
| 50.64M | 5.24414G | 5.29478G | 36.882M | 5.251469G | 5.288351G | Inf | 4 |

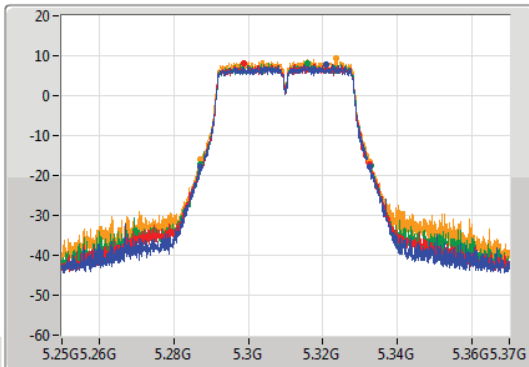
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

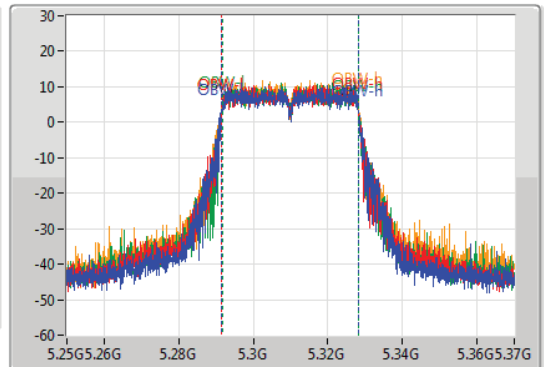
5310MHz

06/05/2021

CF
5.31GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

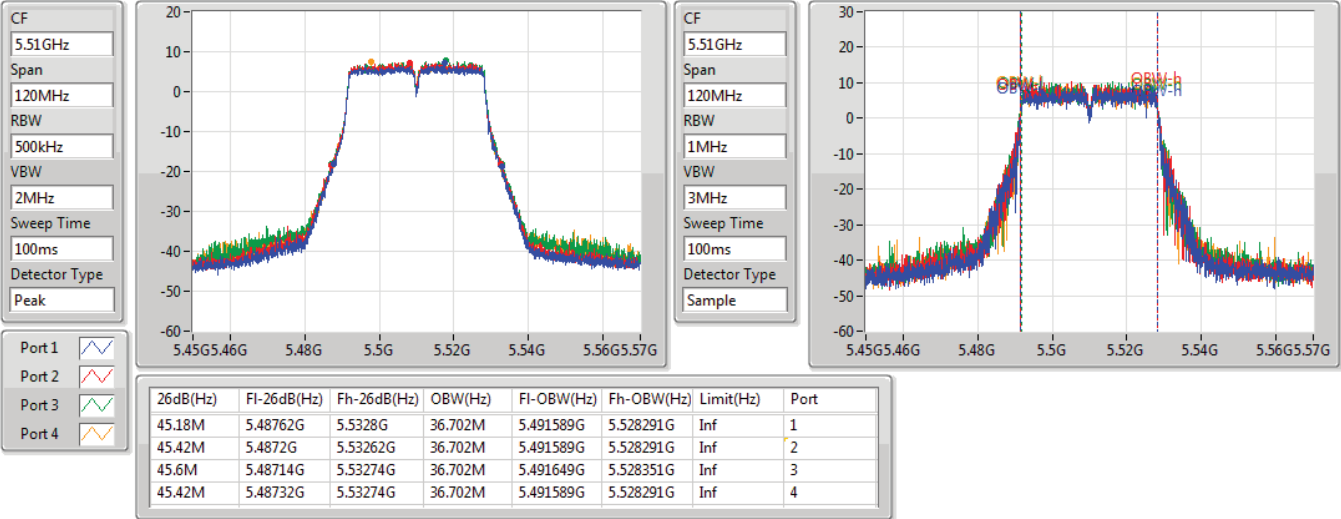
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 45.3M | 5.2872G | 5.3325G | 36.762M | 5.291529G | 5.328291G | Inf | 1 |
| 45.42M | 5.28714G | 5.33256G | 36.642M | 5.291589G | 5.328231G | Inf | 2 |
| 45.54M | 5.28726G | 5.3328G | 36.582M | 5.291649G | 5.328231G | Inf | 3 |
| 45.24M | 5.28726G | 5.3325G | 36.642M | 5.291589G | 5.328231G | Inf | 4 |

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

06/05/2021

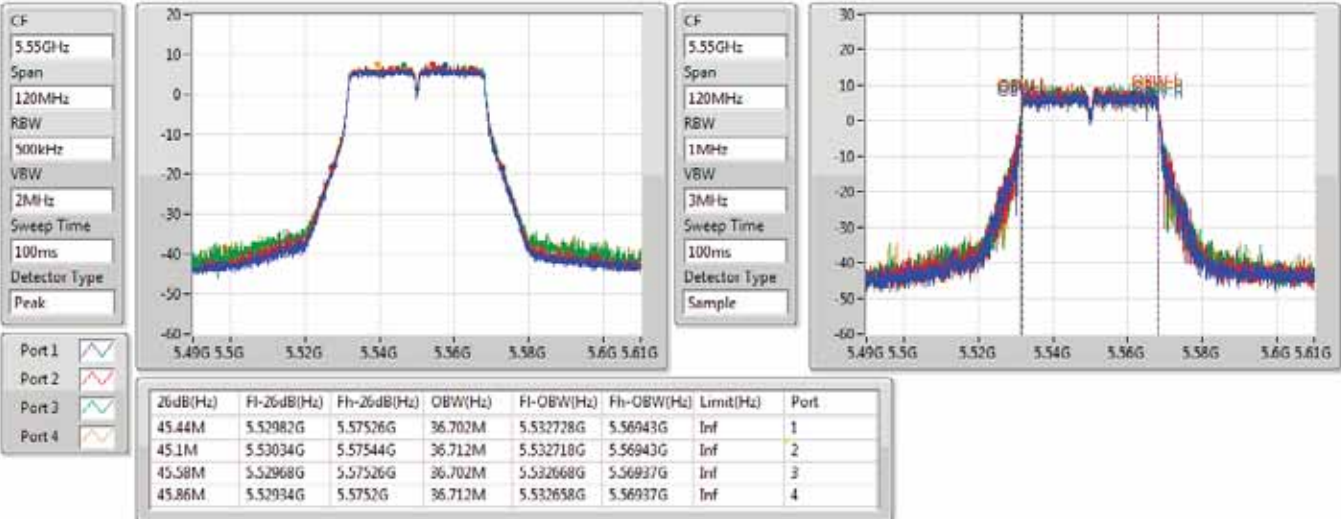


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

06/05/2021



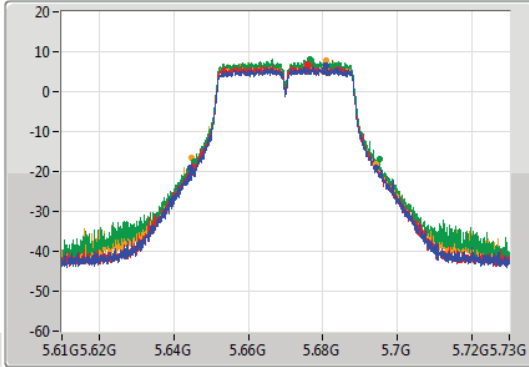
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

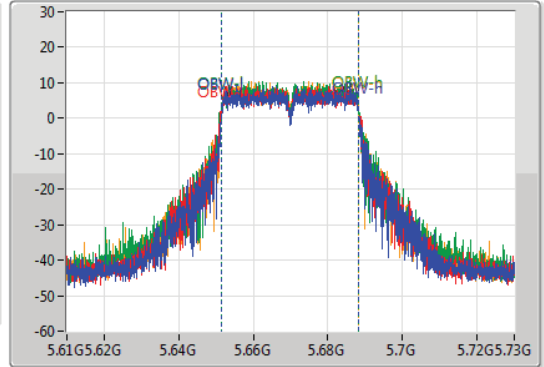
5670MHz

06/05/2021

CF
5.67GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.67GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 49.74M | 5.6445G | 5.69424G | 36.762M | 5.651589G | 5.688351G | Inf | 1 |
| 49.32M | 5.64504G | 5.69436G | 36.942M | 5.651409G | 5.688351G | Inf | 2 |
| 49.74M | 5.64534G | 5.69508G | 36.822M | 5.651529G | 5.688351G | Inf | 3 |
| 49.38M | 5.64474G | 5.69412G | 36.822M | 5.651529G | 5.688351G | Inf | 4 |

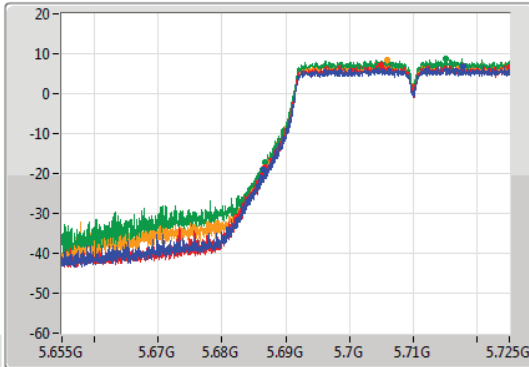
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

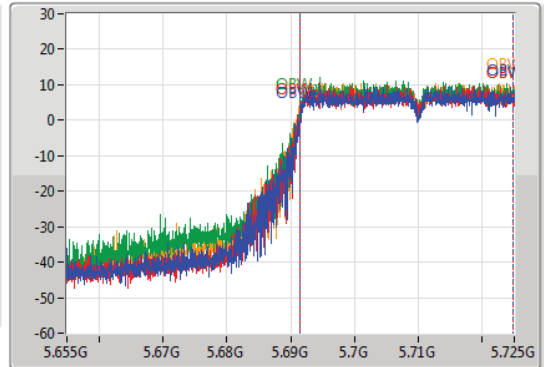
5710MHz Straddle 5.47-5.725GHz

06/05/2021

CF
5.69GHz
Span
70MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.69GHz
Span
70MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

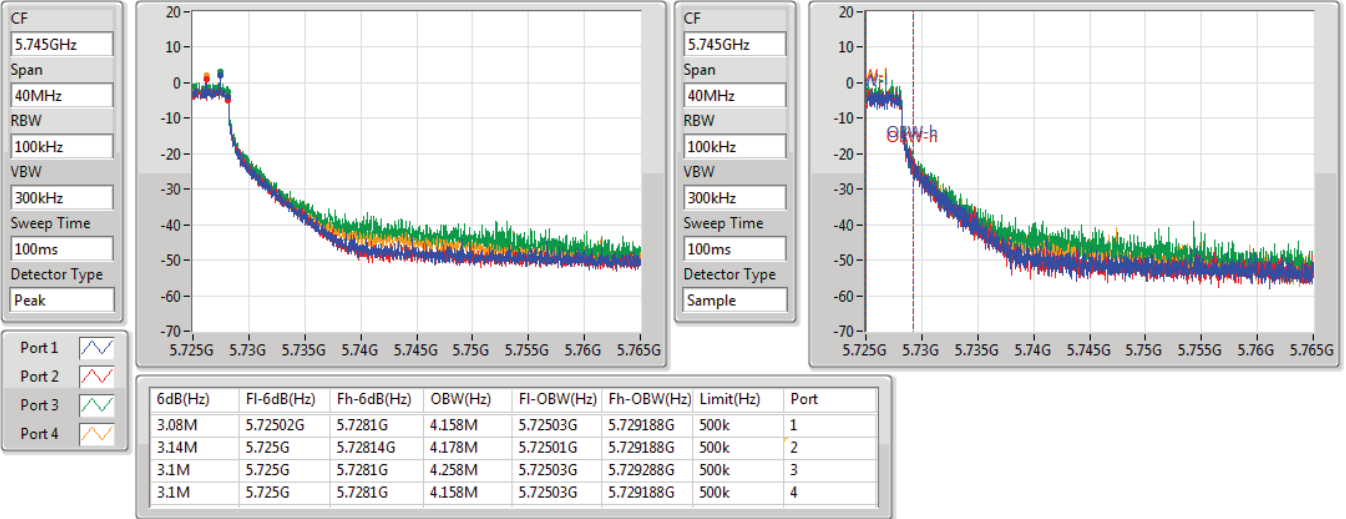
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 38.36M | 5.68664G | 5.725G | 33.303M | 5.691539G | 5.724843G | Inf | 1 |
| 38.255M | 5.686745G | 5.725G | 33.338M | 5.691469G | 5.724808G | Inf | 2 |
| 38.22M | 5.68678G | 5.725G | 33.303M | 5.691539G | 5.724843G | Inf | 3 |
| 38.045M | 5.686955G | 5.725G | 33.478M | 5.691399G | 5.724878G | Inf | 4 |

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

06/05/2021

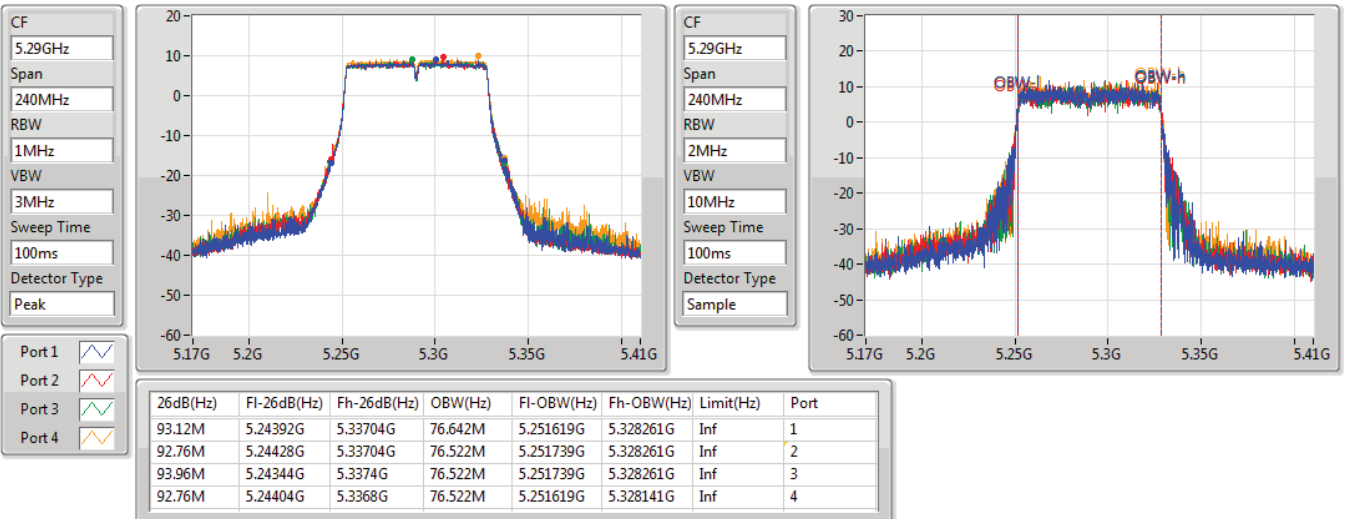


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

06/05/2021



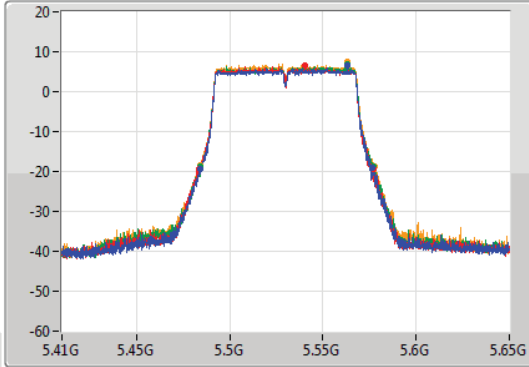
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

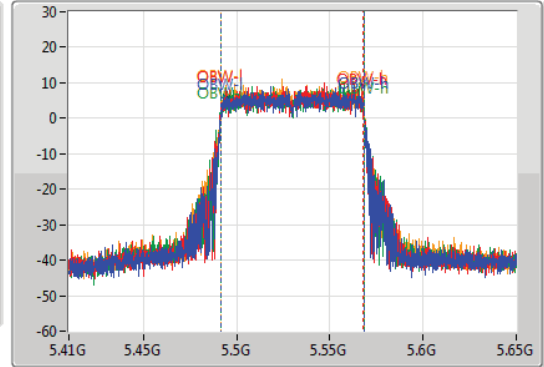
5530MHz

06/05/2021

CF
5.53GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 92.4M | 5.48428G | 5.57668G | 76.522M | 5.491619G | 5.568141G | Inf | 1 |
| 93.24M | 5.48368G | 5.57692G | 76.402M | 5.491619G | 5.568021G | Inf | 2 |
| 92.64M | 5.48416G | 5.5768G | 76.522M | 5.491739G | 5.568261G | Inf | 3 |
| 93.6M | 5.48392G | 5.57752G | 76.642M | 5.491499G | 5.568141G | Inf | 4 |

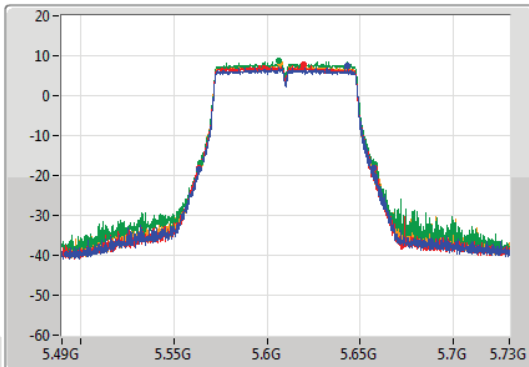
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

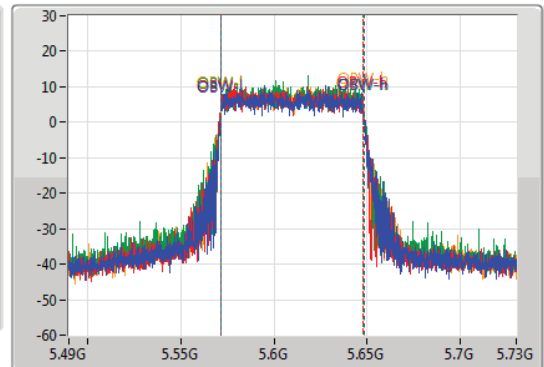
5610MHz

06/05/2021

CF
5.61GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.61GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

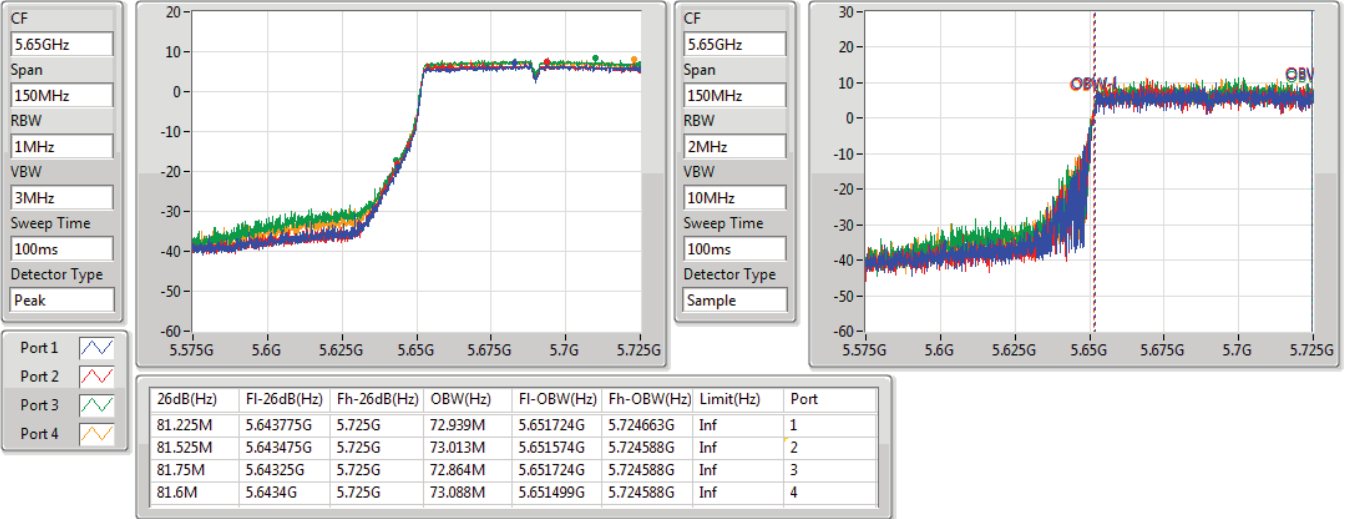
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 93.36M | 5.5638G | 5.65716G | 76.522M | 5.571619G | 5.648141G | Inf | 1 |
| 94.2M | 5.56344G | 5.65764G | 76.402M | 5.571619G | 5.648021G | Inf | 2 |
| 93.84M | 5.56404G | 5.65788G | 76.402M | 5.571619G | 5.648021G | Inf | 3 |
| 92.76M | 5.56416G | 5.65692G | 76.522M | 5.571619G | 5.648141G | Inf | 4 |

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

06/05/2021

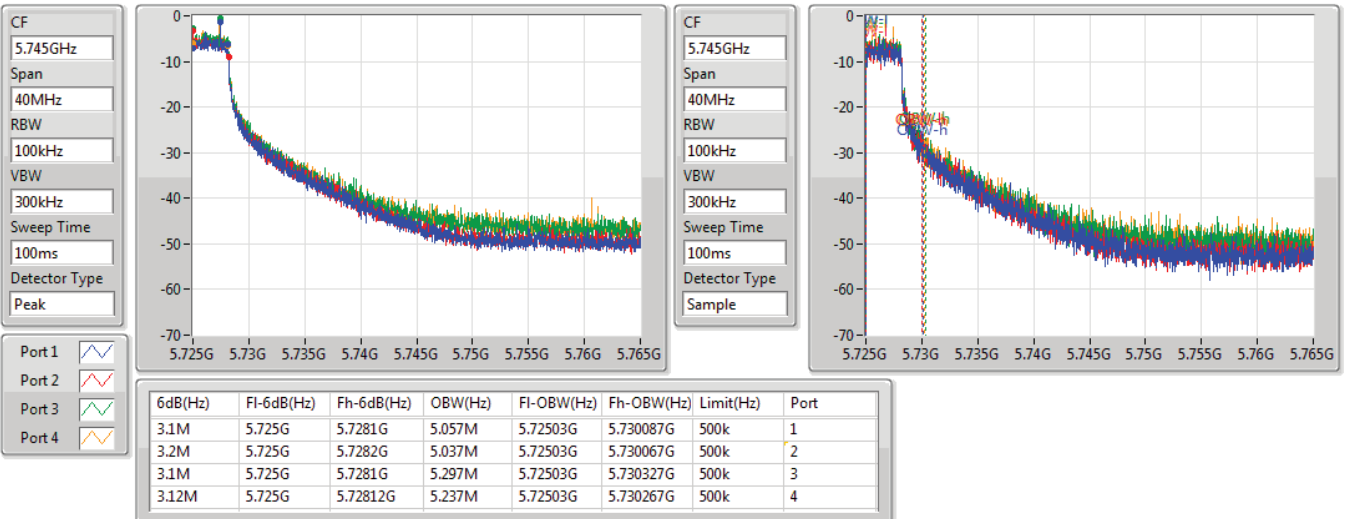


802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

06/05/2021

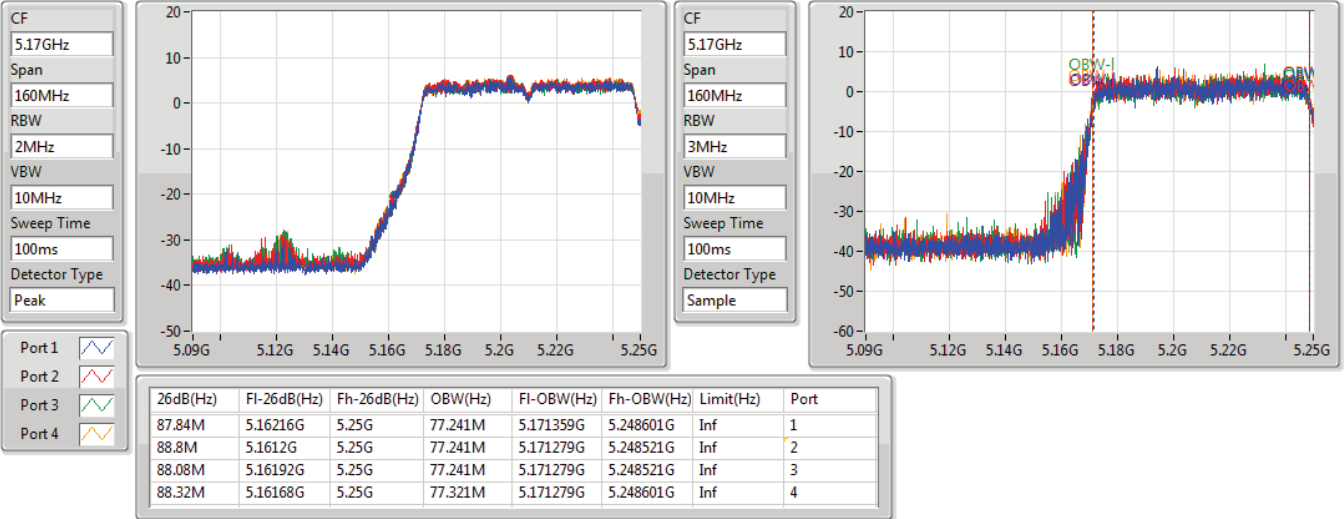


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

06/05/2021

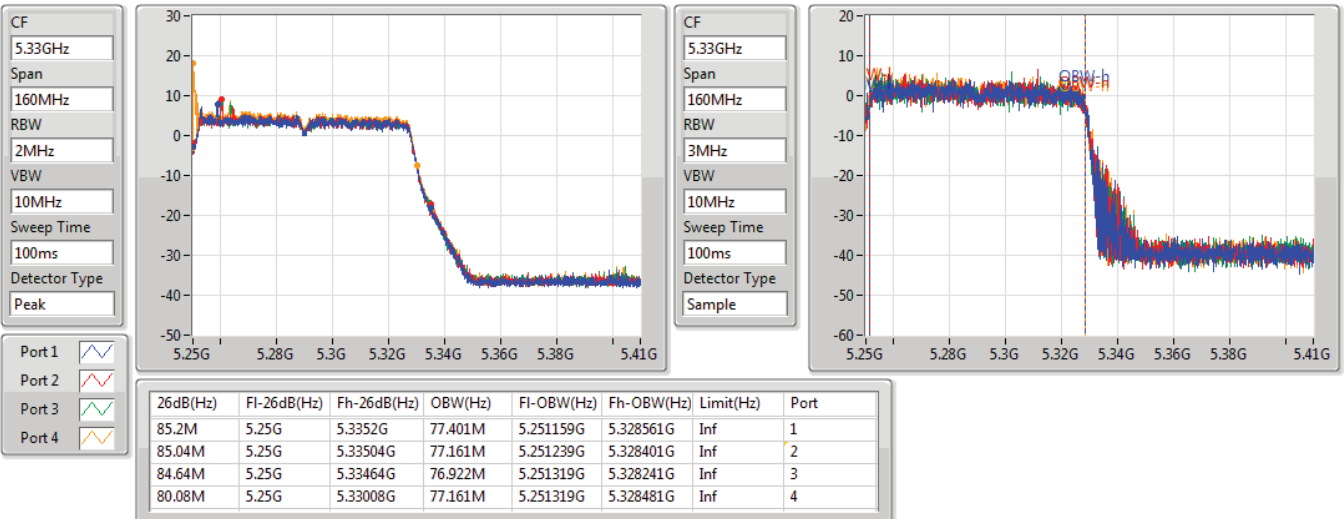


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

06/05/2021



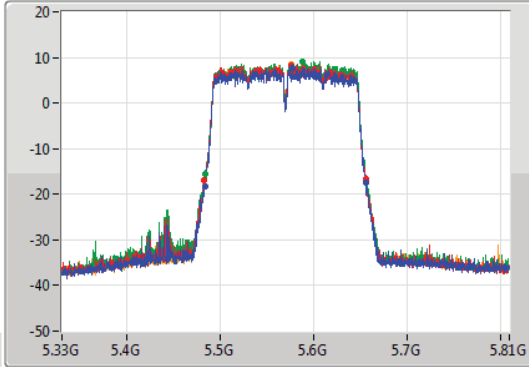
802.11ac VHT160-BF_Nss1,(MCS0)_4TX

EBW

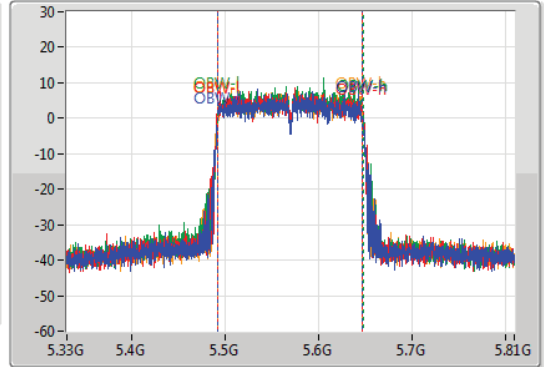
5570MHz

06/05/2021

CF
5.57GHz
Span
480MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.57GHz
Span
480MHz
RBW
3MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|----------|------------|------------|-----------|------|
| 172.56M | 5.48312G | 5.65568G | 155.202M | 5.492039G | 5.647241G | Inf | 1 |
| 174.24M | 5.48192G | 5.65616G | 155.202M | 5.492039G | 5.647241G | Inf | 2 |
| 173.52M | 5.48312G | 5.65664G | 155.442M | 5.492279G | 5.647721G | Inf | 3 |
| 173.76M | 5.48216G | 5.65592G | 155.442M | 5.492039G | 5.647481G | Inf | 4 |

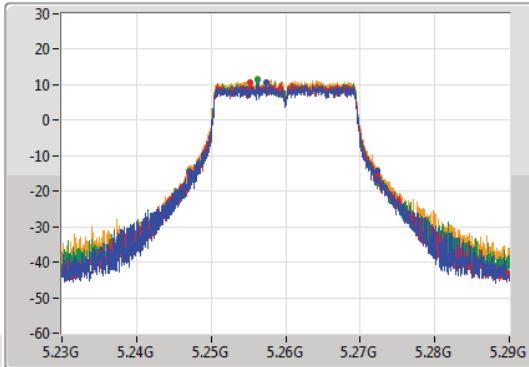
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

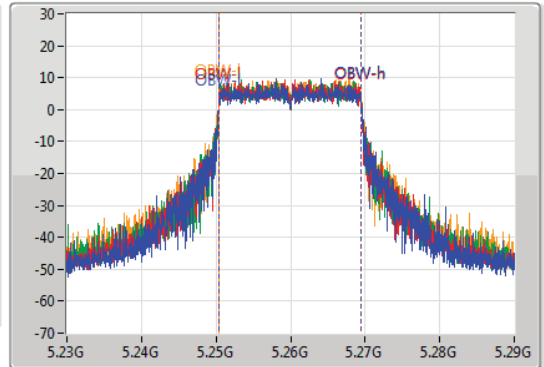
5260MHz

05/05/2021

CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 25.11M | 5.24719G | 5.2723G | 19.07M | 5.250405G | 5.269475G | Inf | 1 |
| 25.32M | 5.24701G | 5.27233G | 19.04M | 5.250405G | 5.269445G | Inf | 2 |
| 25.2M | 5.24713G | 5.27233G | 19.07M | 5.250405G | 5.269475G | Inf | 3 |
| 25.17M | 5.24719G | 5.27236G | 19.07M | 5.250405G | 5.269475G | Inf | 4 |

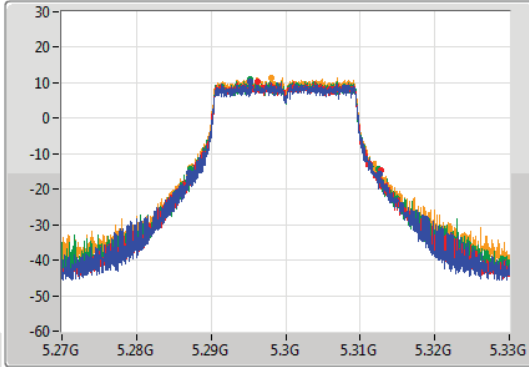
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

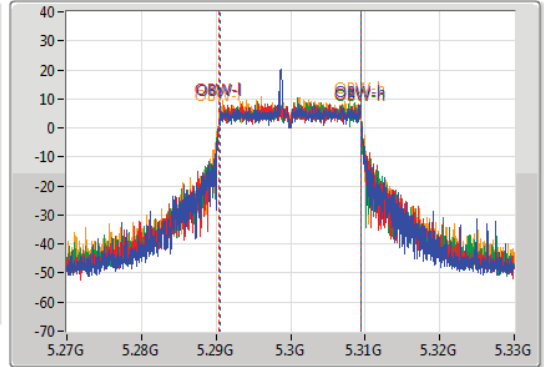
5300MHz

05/05/2021

CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 25.44M | 5.28713G | 5.31257G | 18.891M | 5.290495G | 5.309385G | Inf | 1 |
| 25.68M | 5.28707G | 5.31275G | 19.07M | 5.290405G | 5.309475G | Inf | 2 |
| 25.26M | 5.28725G | 5.31251G | 19.01M | 5.290435G | 5.309445G | Inf | 3 |
| 25.02M | 5.28716G | 5.31218G | 19.07M | 5.290405G | 5.309475G | Inf | 4 |

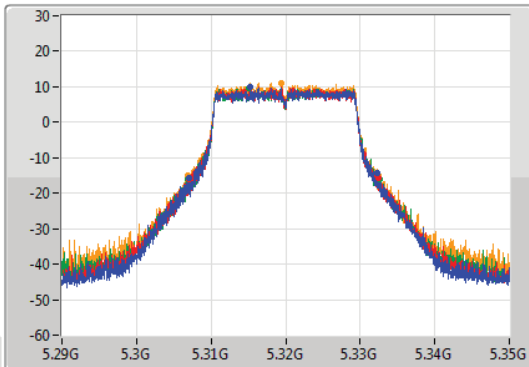
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

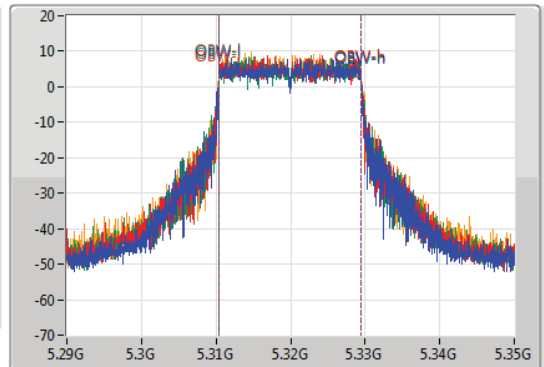
5320MHz

05/05/2021

CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 25.17M | 5.30707G | 5.33224G | 19.04M | 5.310405G | 5.329445G | Inf | 1 |
| 25.47M | 5.30704G | 5.33251G | 19.04M | 5.310405G | 5.329445G | Inf | 2 |
| 25.74M | 5.30695G | 5.33269G | 19.07M | 5.310405G | 5.329475G | Inf | 3 |
| 25.53M | 5.30692G | 5.33245G | 19.07M | 5.310405G | 5.329475G | Inf | 4 |

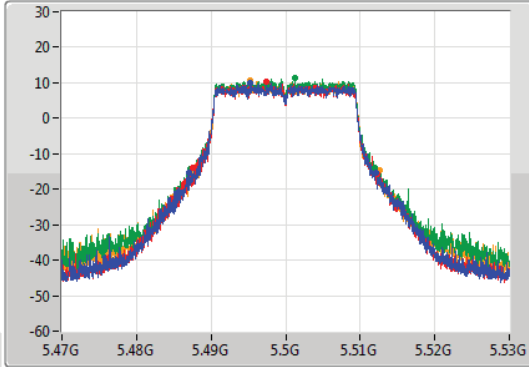
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

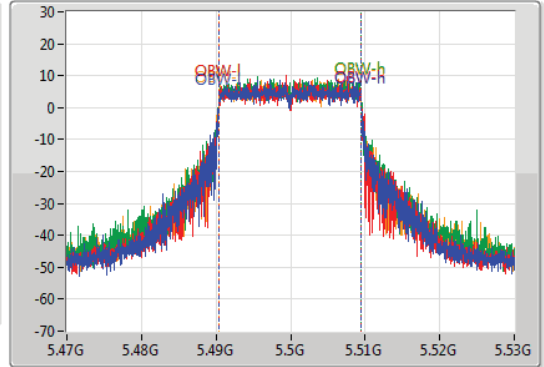
5500MHz

05/05/2021

CF: 5.5GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.5GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 25.05M | 5.48713G | 5.51218G | 19.04M | 5.490405G | 5.509445G | Inf | 1 |
| 24.75M | 5.48758G | 5.51233G | 19.07M | 5.490375G | 5.509445G | Inf | 2 |
| 24.84M | 5.48716G | 5.512G | 19.04M | 5.490405G | 5.509445G | Inf | 3 |
| 25.32M | 5.48728G | 5.5126G | 19.04M | 5.490405G | 5.509445G | Inf | 4 |

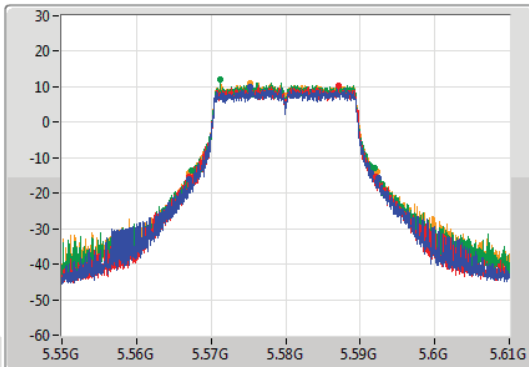
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

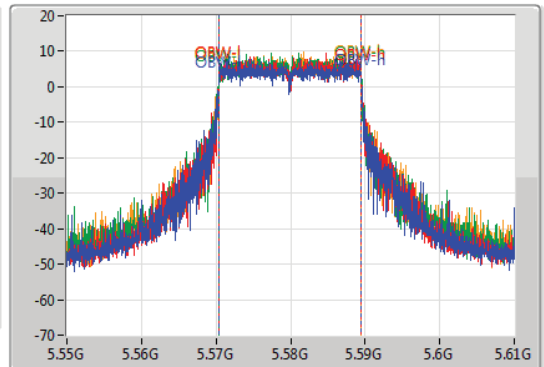
5580MHz

05/05/2021

CF: 5.58GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.58GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 25.35M | 5.56704G | 5.59239G | 19.07M | 5.570375G | 5.589445G | Inf | 1 |
| 25.08M | 5.56704G | 5.59212G | 19.04M | 5.570405G | 5.589445G | Inf | 2 |
| 24.51M | 5.56746G | 5.59197G | 19.07M | 5.570405G | 5.589475G | Inf | 3 |
| 25.08M | 5.56713G | 5.59221G | 18.981M | 5.570435G | 5.589415G | Inf | 4 |

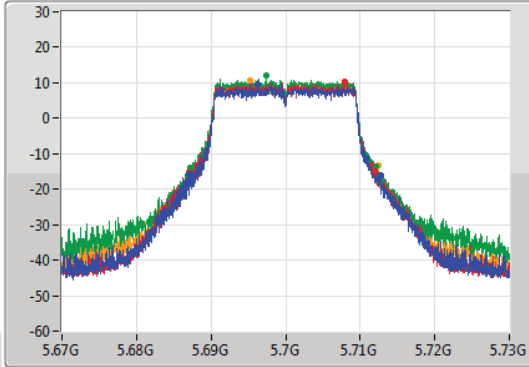
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

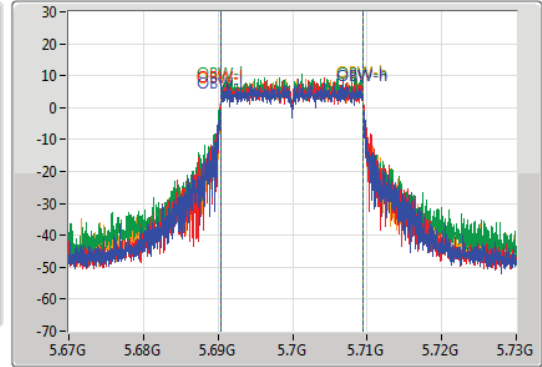
5700MHz

05/05/2021

CF: 5.7GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.7GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



Port 1
 Port 2
 Port 3
 Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 25.65M | 5.68713G | 5.71278G | 19.07M | 5.690375G | 5.709445G | Inf | 1 |
| 24.93M | 5.6871G | 5.71203G | 19.07M | 5.690405G | 5.709475G | Inf | 2 |
| 24.93M | 5.68719G | 5.71212G | 19.01M | 5.690405G | 5.709415G | Inf | 3 |
| 25.38M | 5.68713G | 5.71251G | 19.01M | 5.690405G | 5.709415G | Inf | 4 |

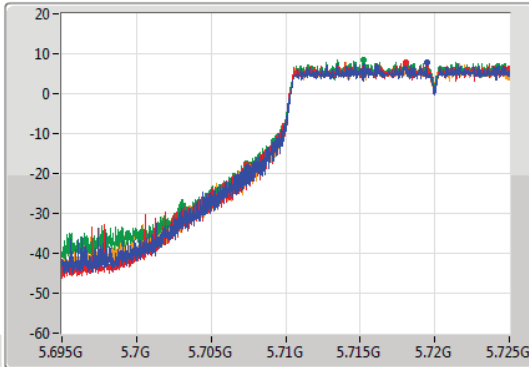
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

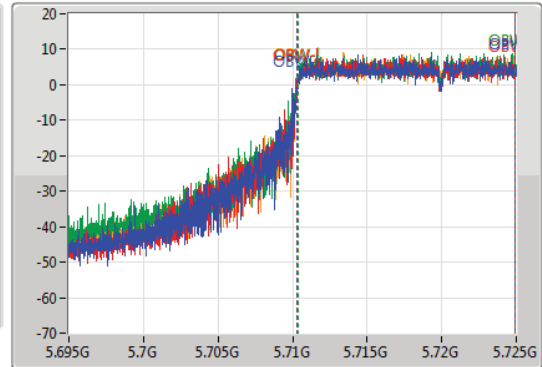
5720MHz Straddle 5.47-5.725GHz

05/05/2021

CF: 5.71GHz
 Span: 30MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.71GHz
 Span: 30MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



Port 1
 Port 2
 Port 3
 Port 4

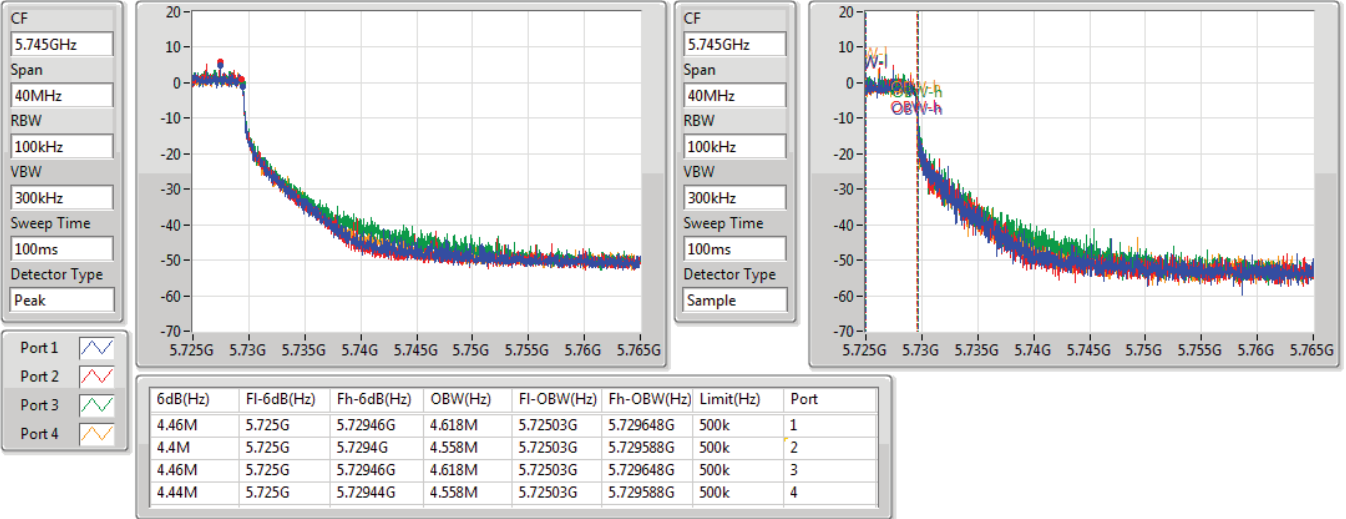
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 17.55M | 5.70745G | 5.725G | 14.603M | 5.71033G | 5.724933G | Inf | 1 |
| 17.655M | 5.707345G | 5.725G | 14.603M | 5.71033G | 5.724933G | Inf | 2 |
| 17.655M | 5.707345G | 5.725G | 14.573M | 5.710345G | 5.724918G | Inf | 3 |
| 17.58M | 5.70742G | 5.725G | 14.543M | 5.710375G | 5.724918G | Inf | 4 |

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/05/2021

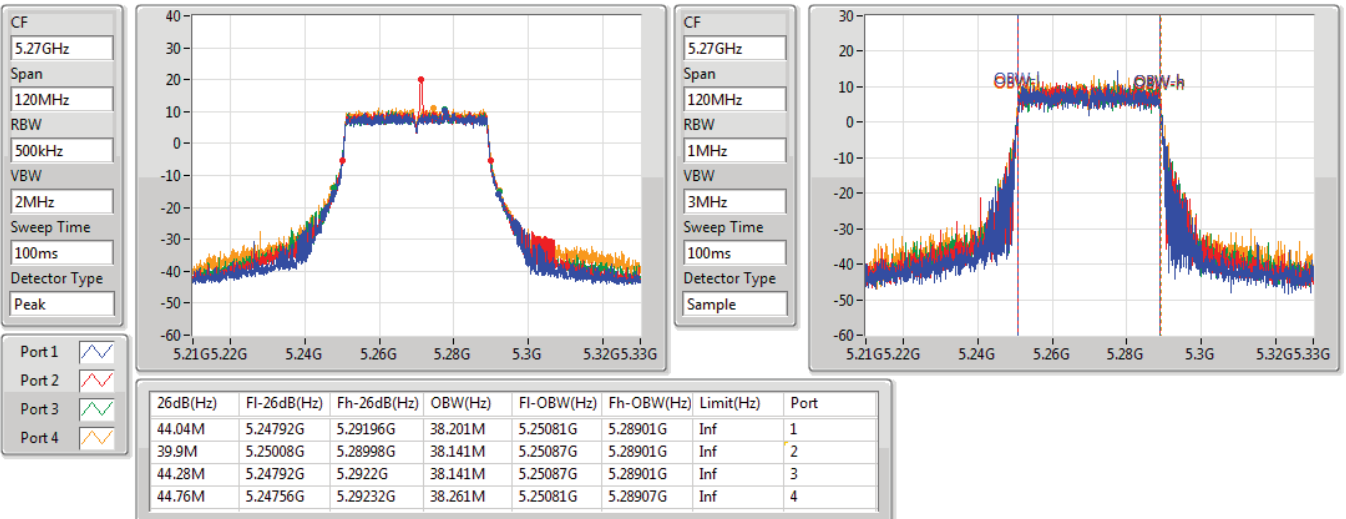


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

05/05/2021



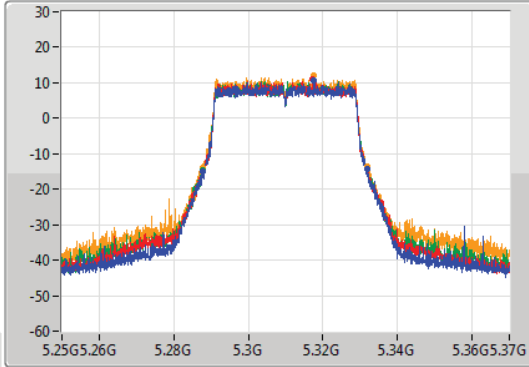
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

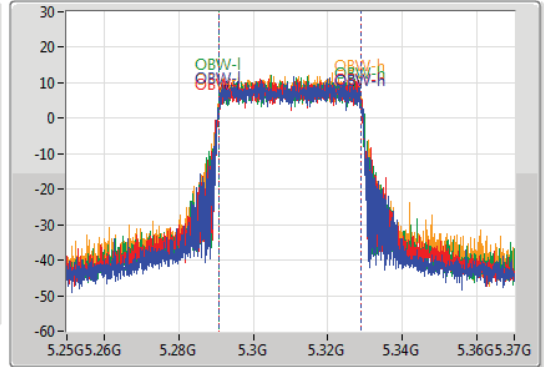
5310MHz

05/05/2021

CF
5.31GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 44.16M | 5.28768G | 5.33184G | 38.201M | 5.29081G | 5.32901G | Inf | 1 |
| 44.28M | 5.28762G | 5.3319G | 38.201M | 5.29081G | 5.32901G | Inf | 2 |
| 44.34M | 5.28762G | 5.33196G | 38.321M | 5.29069G | 5.32901G | Inf | 3 |
| 44.34M | 5.28768G | 5.33202G | 38.141M | 5.29087G | 5.32901G | Inf | 4 |

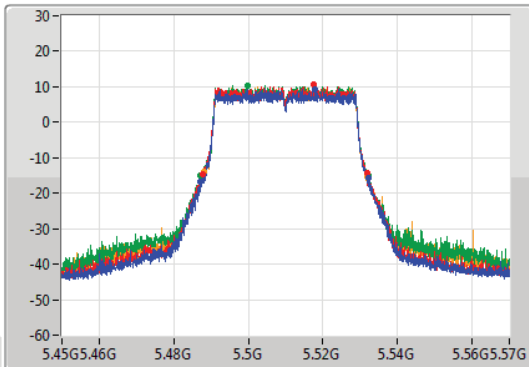
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

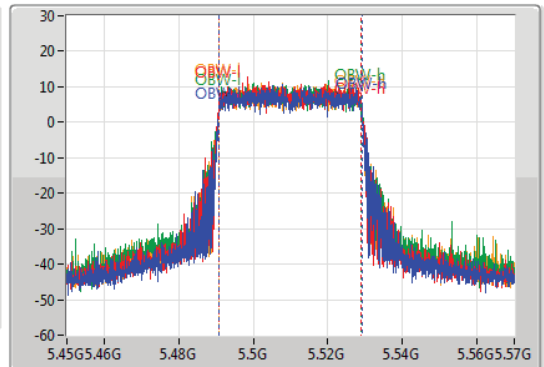
5510MHz

05/05/2021

CF
5.51GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.51GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 44.88M | 5.4872G | 5.53208G | 38.201M | 5.49087G | 5.52907G | Inf | 1 |
| 44.28M | 5.48768G | 5.53196G | 38.141M | 5.49087G | 5.52901G | Inf | 2 |
| 45M | 5.48714G | 5.53214G | 38.201M | 5.49081G | 5.52901G | Inf | 3 |
| 43.98M | 5.48804G | 5.53202G | 38.201M | 5.49081G | 5.52901G | Inf | 4 |

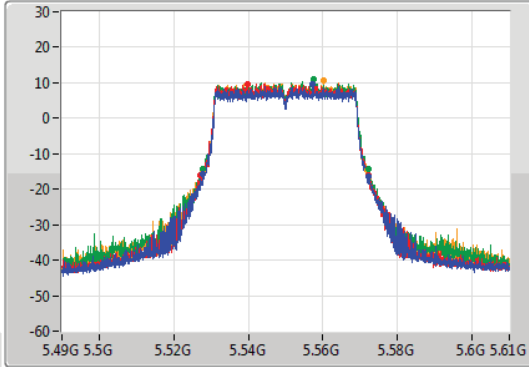
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

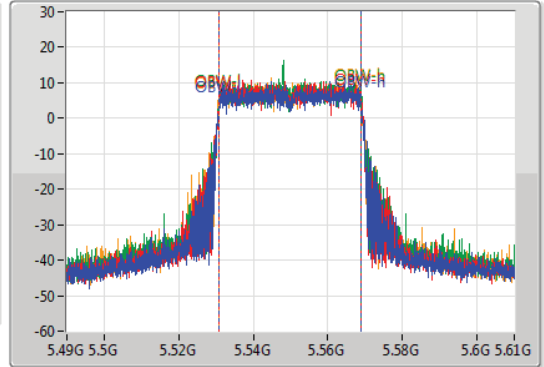
5550MHz

05/05/2021

CF
5.55GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.55GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 44.28M | 5.5278G | 5.57208G | 38.201M | 5.53081G | 5.56901G | Inf | 1 |
| 45.18M | 5.52714G | 5.57232G | 38.201M | 5.53081G | 5.56901G | Inf | 2 |
| 44.46M | 5.52768G | 5.57214G | 38.201M | 5.53081G | 5.56901G | Inf | 3 |
| 44.04M | 5.52792G | 5.57196G | 38.201M | 5.53075G | 5.568951G | Inf | 4 |

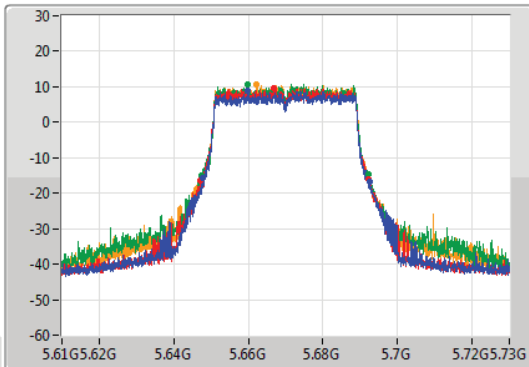
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

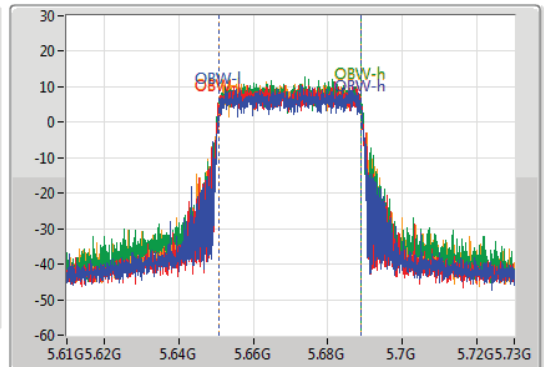
5670MHz

05/05/2021

CF
5.67GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.67GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

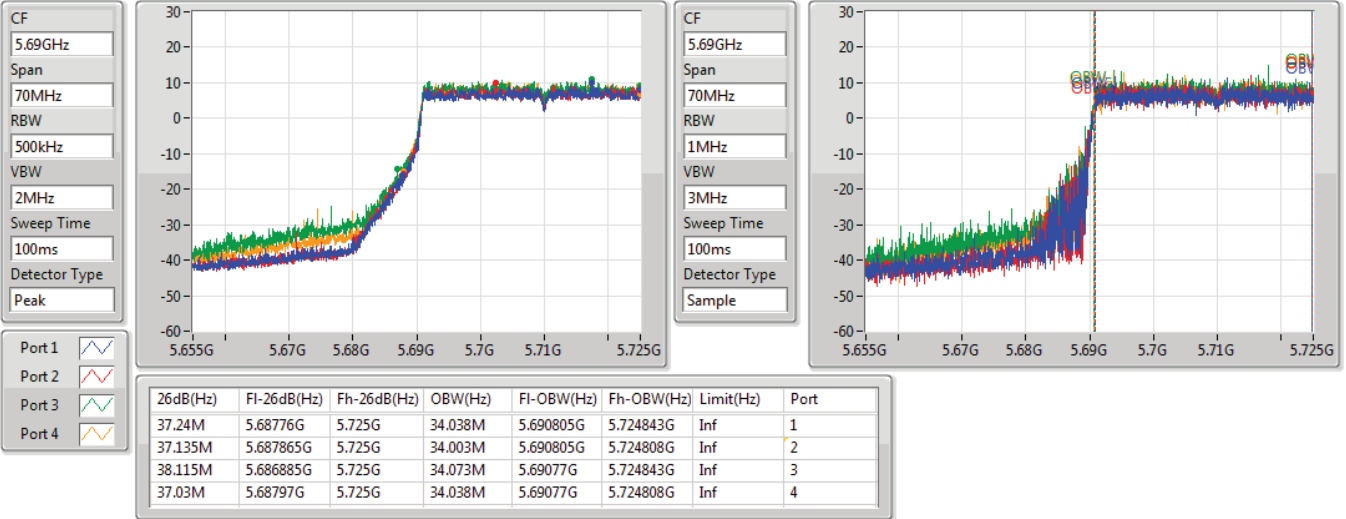
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 44.64M | 5.6478G | 5.69244G | 38.141M | 5.65087G | 5.68901G | Inf | 1 |
| 45.12M | 5.64726G | 5.69238G | 38.141M | 5.65081G | 5.688951G | Inf | 2 |
| 44.7M | 5.6475G | 5.6922G | 38.201M | 5.65081G | 5.68901G | Inf | 3 |
| 44.52M | 5.64756G | 5.69208G | 38.141M | 5.65087G | 5.68901G | Inf | 4 |

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

05/05/2021

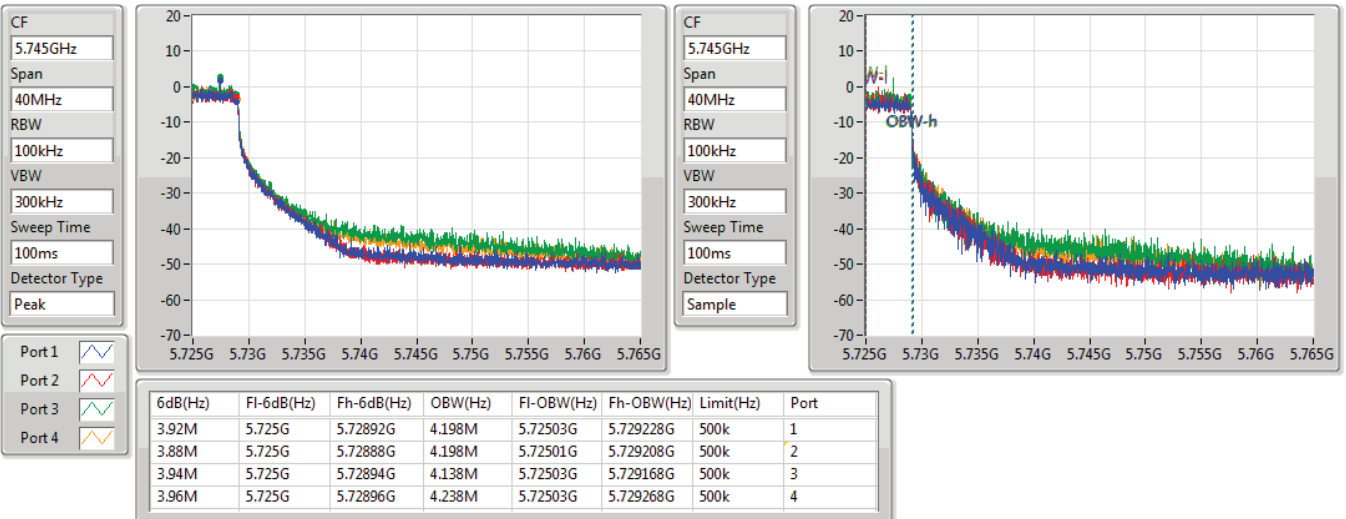


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

05/05/2021



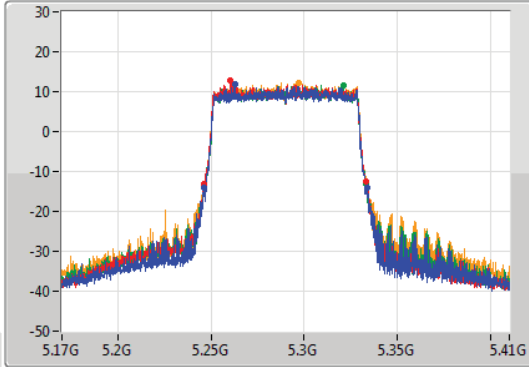
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

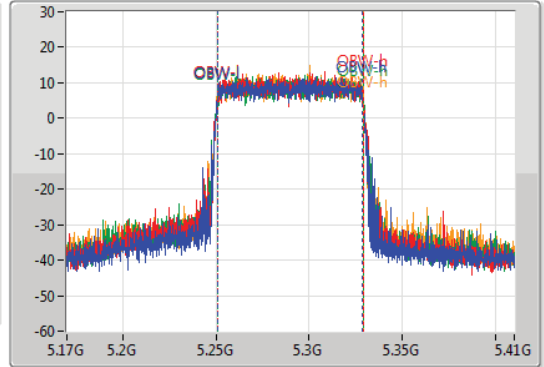
5290MHz

05/05/2021

CF
5.29GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.29GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 87.48M | 5.24608G | 5.33356G | 77.961M | 5.25078G | 5.328741G | Inf | 1 |
| 86.76M | 5.24632G | 5.33308G | 77.961M | 5.2509G | 5.328861G | Inf | 2 |
| 87M | 5.24632G | 5.33332G | 77.961M | 5.2509G | 5.328861G | Inf | 3 |
| 87.24M | 5.2462G | 5.33344G | 77.961M | 5.251019G | 5.328981G | Inf | 4 |

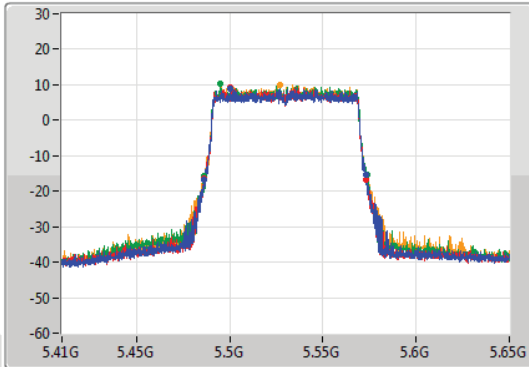
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

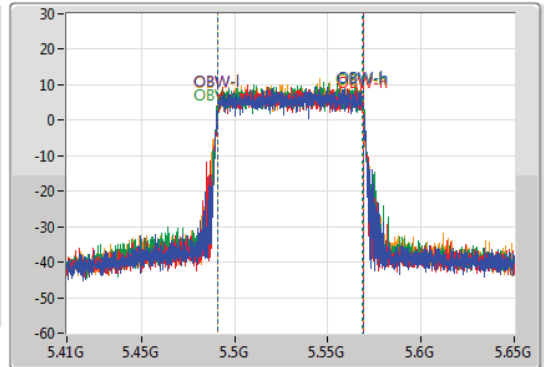
5530MHz

05/05/2021

CF
5.53GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 87.12M | 5.48608G | 5.5732G | 78.081M | 5.491019G | 5.5691G | Inf | 1 |
| 87M | 5.48644G | 5.57344G | 77.961M | 5.4909G | 5.568861G | Inf | 2 |
| 87.12M | 5.48644G | 5.57356G | 77.841M | 5.4909G | 5.568741G | Inf | 3 |
| 87.72M | 5.48596G | 5.57368G | 77.961M | 5.4909G | 5.568861G | Inf | 4 |

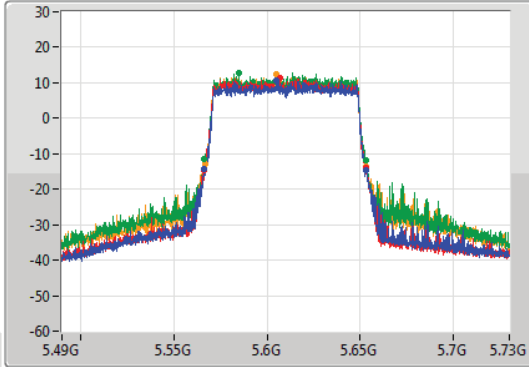
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

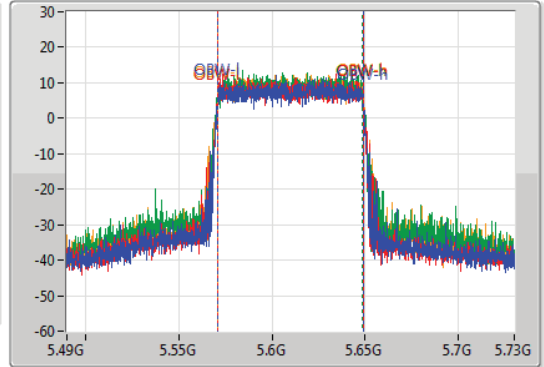
5610MHz

05/05/2021

CF
5.61GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.61GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 86.88M | 5.56644G | 5.65332G | 77.841M | 5.571019G | 5.648861G | Inf | 1 |
| 86.76M | 5.56644G | 5.6532G | 77.961M | 5.5709G | 5.648861G | Inf | 2 |
| 86.76M | 5.56644G | 5.6532G | 77.841M | 5.5709G | 5.648741G | Inf | 3 |
| 86.88M | 5.56656G | 5.65344G | 77.961M | 5.5709G | 5.648861G | Inf | 4 |

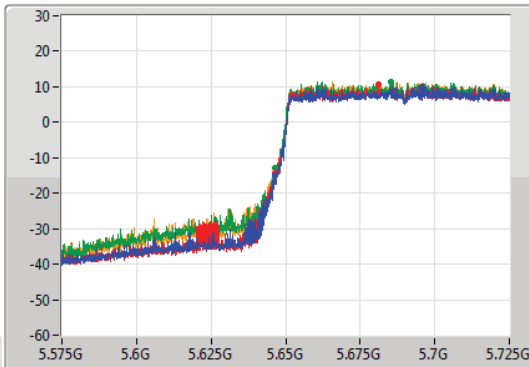
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

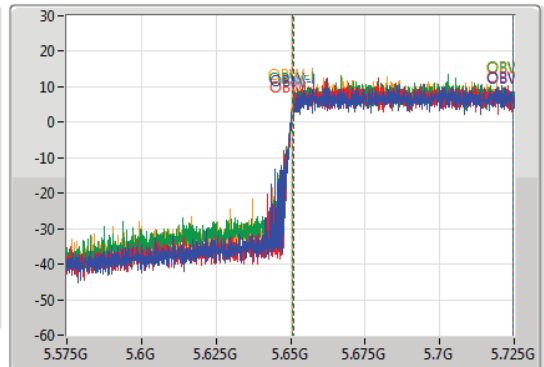
5690MHz Straddle 5.47-5.725GHz

05/05/2021

CF
5.65GHz
Span
150MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.65GHz
Span
150MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

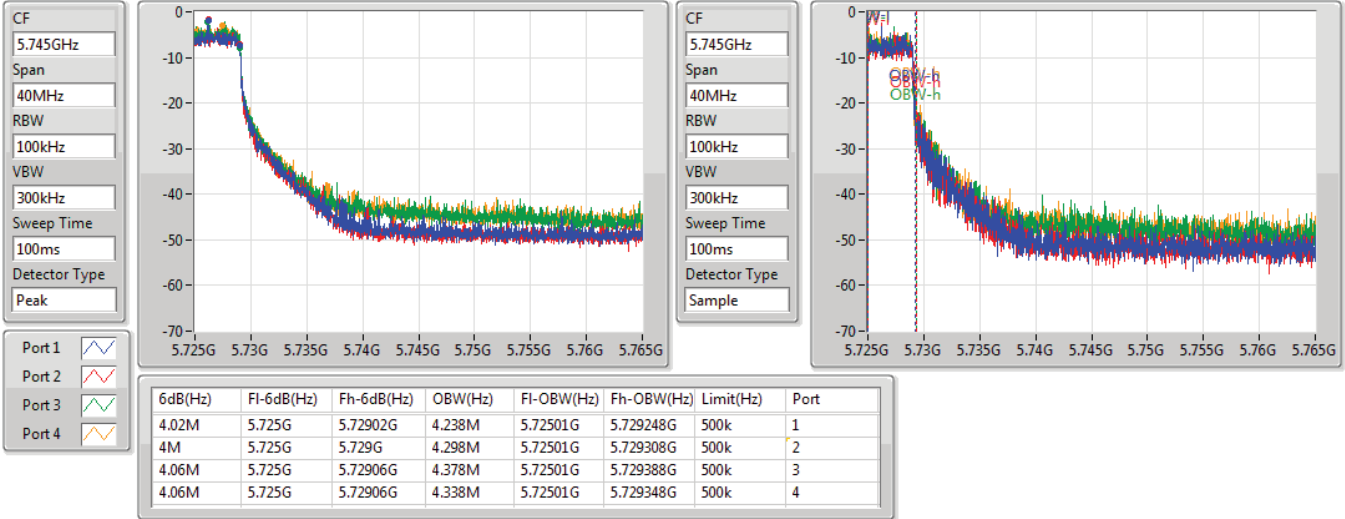
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|----------|-------------|-------------|---------|------------|------------|-----------|------|
| 78.375M | 5.646625G | 5.725G | 73.688M | 5.6509G | 5.724588G | Inf | 1 |
| 78.525M | 5.646475G | 5.725G | 73.613M | 5.6509G | 5.724513G | Inf | 2 |
| 78.45M | 5.64655G | 5.725G | 73.913M | 5.65075G | 5.724663G | Inf | 3 |
| 78.6M | 5.6464G | 5.725G | 73.688M | 5.650825G | 5.724513G | Inf | 4 |

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

05/05/2021

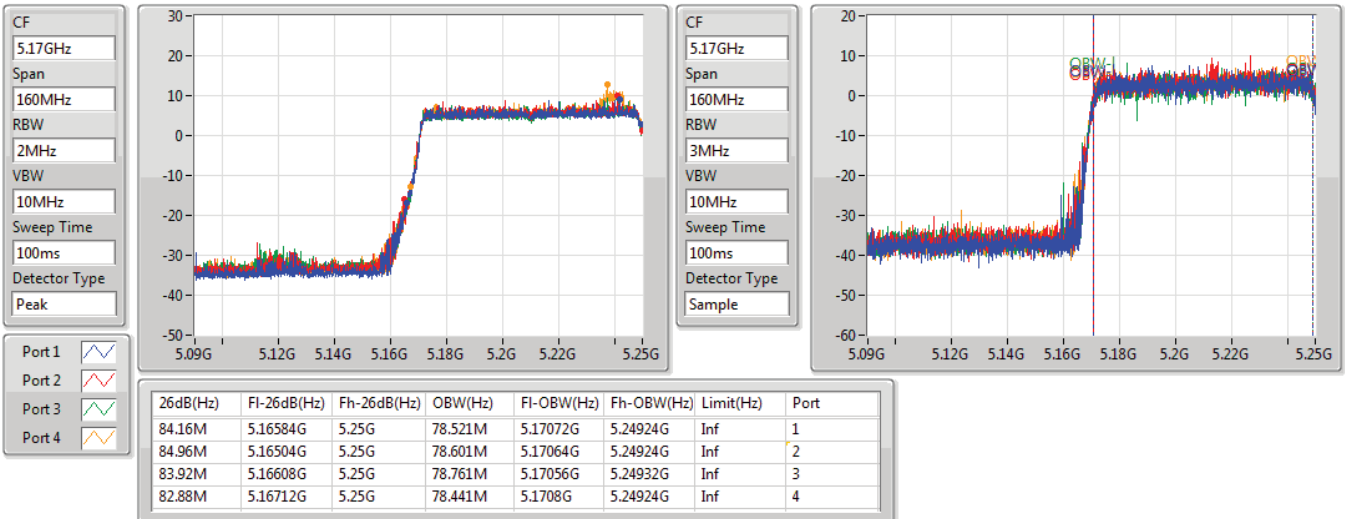


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

05/05/2021

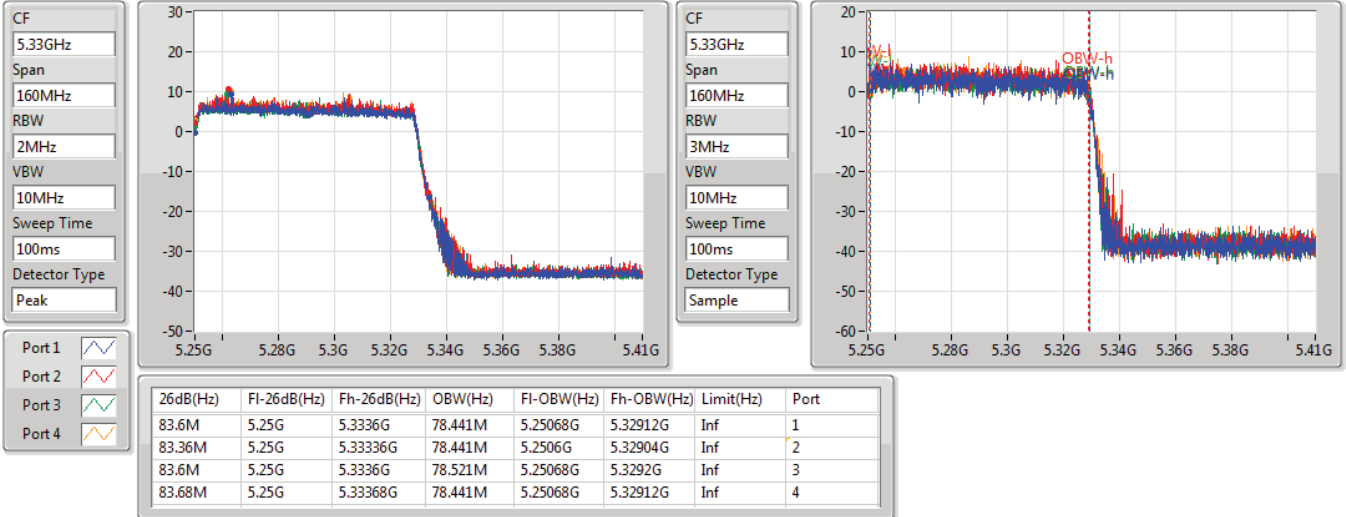


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

05/05/2021

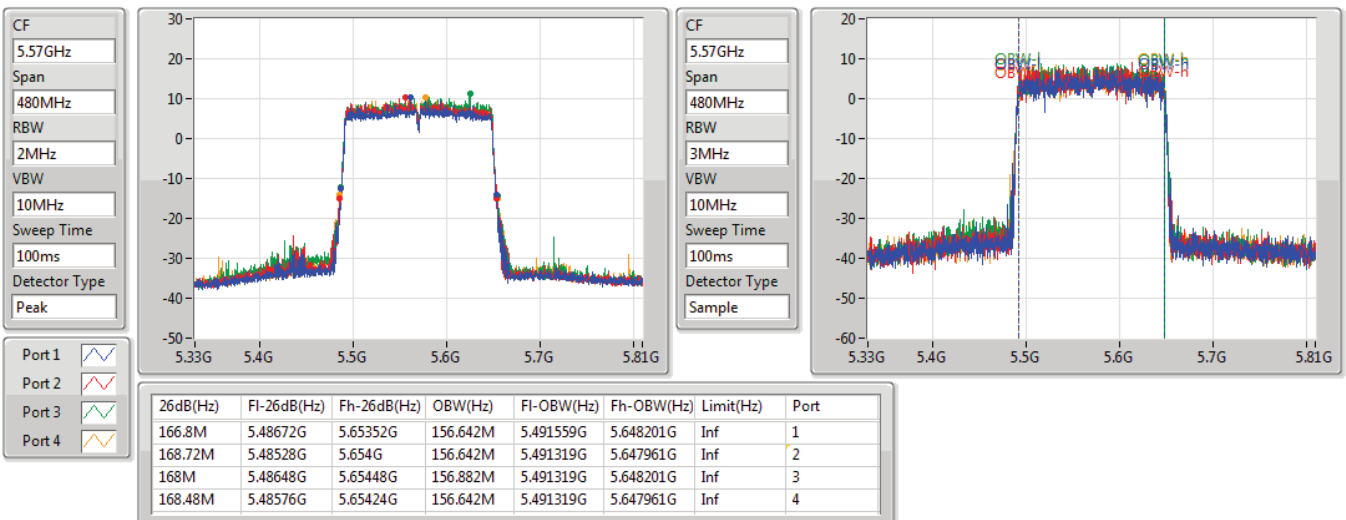


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

05/05/2021





Summary

| Mode | Total Power (dBm) | Total Power (W) | EIRP (dBm) | EIRP (W) |
|---------------------------------|-------------------|-----------------|------------|----------|
| 5.15-5.25GHz | - | - | - | - |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | 14.38 | 0.02742 | 14.88 | 0.03076 |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 13.90 | 0.02455 | 14.40 | 0.02754 |
| 5.25-5.35GHz | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 23.97 | 0.24946 | 24.47 | 0.27990 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 23.97 | 0.24946 | 24.47 | 0.27990 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 23.89 | 0.24491 | 24.39 | 0.27479 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 21.44 | 0.13932 | 21.94 | 0.15631 |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | 14.28 | 0.02679 | 14.78 | 0.03006 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 23.90 | 0.24547 | 24.40 | 0.27542 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 23.78 | 0.23878 | 24.28 | 0.26792 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 20.09 | 0.10209 | 20.59 | 0.11455 |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 13.85 | 0.02427 | 14.35 | 0.02723 |
| 5.47-5.725GHz | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 23.87 | 0.24378 | 24.17 | 0.26122 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 23.92 | 0.24660 | 24.22 | 0.26424 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 23.80 | 0.23988 | 24.10 | 0.25704 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 23.64 | 0.23121 | 23.94 | 0.24774 |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | 18.06 | 0.06397 | 18.46 | 0.07015 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 23.53 | 0.22542 | 23.83 | 0.24155 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 23.85 | 0.24266 | 24.15 | 0.26002 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 23.85 | 0.24266 | 24.15 | 0.26002 |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 17.89 | 0.06152 | 18.29 | 0.06745 |
| 5.725-5.85GHz | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 16.48 | 0.04446 | 16.78 | 0.04764 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 17.35 | 0.05433 | 17.65 | 0.05821 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 13.56 | 0.02270 | 13.86 | 0.02432 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 9.80 | 0.00955 | 10.10 | 0.01023 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 18.25 | 0.06683 | 18.55 | 0.07161 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 14.29 | 0.02685 | 14.59 | 0.02877 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 10.84 | 0.01213 | 11.14 | 0.01300 |



Result

| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) | EIRP (dBm) | EIRP Limit (dBm) |
|---------------------------------|--------|----------|--------------|--------------|--------------|--------------|-------------------|-------------------|------------|------------------|
| 802.11a_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 0.50 | 17.24 | 19.11 | 17.23 | 17.81 | 23.94 | 23.98 | 24.44 | 30.00 |
| 5300MHz | Pass | 0.50 | 17.61 | 18.97 | 17.15 | 17.83 | 23.96 | 23.98 | 24.46 | 30.00 |
| 5320MHz | Pass | 0.50 | 17.55 | 19.12 | 17.06 | 17.77 | 23.97 | 23.98 | 24.47 | 30.00 |
| 5500MHz | Pass | 0.30 | 16.52 | 18.23 | 16.63 | 16.08 | 22.97 | 23.98 | 23.27 | 30.00 |
| 5580MHz | Pass | 0.30 | 17.12 | 19.43 | 17.05 | 17.32 | 23.87 | 23.98 | 24.17 | 30.00 |
| 5700MHz | Pass | 0.30 | 15.13 | 16.57 | 15.52 | 15.54 | 21.74 | 23.98 | 22.04 | 30.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 0.30 | 16.67 | 16.90 | 16.07 | 16.29 | 22.52 | 23.13 | 22.82 | 29.13 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 0.30 | 10.65 | 11.41 | 9.83 | 9.72 | 16.48 | 30.00 | 16.78 | 36.00 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 0.50 | 17.79 | 18.54 | 17.58 | 17.83 | 23.97 | 23.98 | 24.47 | 30.00 |
| 5300MHz | Pass | 0.50 | 17.22 | 18.55 | 17.56 | 17.78 | 23.83 | 23.98 | 24.33 | 30.00 |
| 5320MHz | Pass | 0.50 | 16.97 | 18.37 | 17.17 | 17.66 | 23.60 | 23.98 | 24.10 | 30.00 |
| 5500MHz | Pass | 0.30 | 15.43 | 16.99 | 16.63 | 15.99 | 22.32 | 23.98 | 22.62 | 30.00 |
| 5580MHz | Pass | 0.30 | 17.91 | 18.41 | 17.73 | 17.48 | 23.92 | 23.98 | 24.22 | 30.00 |
| 5700MHz | Pass | 0.30 | 15.87 | 17.02 | 15.34 | 15.97 | 22.11 | 23.98 | 22.41 | 30.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 0.30 | 16.49 | 17.65 | 15.85 | 16.75 | 22.75 | 23.24 | 23.05 | 29.24 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 0.30 | 10.95 | 12.09 | 10.86 | 11.32 | 17.35 | 30.00 | 17.65 | 36.00 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 0.50 | 17.18 | 18.45 | 18.03 | 17.71 | 23.89 | 23.98 | 24.39 | 30.00 |
| 5310MHz | Pass | 0.50 | 15.24 | 16.33 | 15.89 | 16.2 | 21.96 | 23.98 | 22.46 | 30.00 |
| 5510MHz | Pass | 0.30 | 16 | 17.12 | 16.65 | 15.85 | 22.46 | 23.98 | 22.76 | 30.00 |
| 5550MHz | Pass | 0.30 | 17.67 | 18.46 | 17.75 | 16.99 | 23.77 | 23.98 | 24.07 | 30.00 |
| 5670MHz | Pass | 0.30 | 17.07 | 17.91 | 16.66 | 17.03 | 23.21 | 23.98 | 23.51 | 30.00 |
| 5710MHz Straddle 5.47-5.725GHz | Pass | 0.30 | 17.67 | 18.35 | 17.42 | 17.61 | 23.80 | 23.98 | 24.10 | 30.00 |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 0.30 | 7.45 | 8.27 | 6.69 | 7.62 | 13.56 | 30.00 | 13.86 | 36.00 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 0.50 | 14.78 | 16.01 | 15.34 | 15.44 | 21.44 | 23.98 | 21.94 | 30.00 |
| 5530MHz | Pass | 0.30 | 12.86 | 14.63 | 14 | 13.14 | 19.74 | 23.98 | 20.04 | 30.00 |
| 5610MHz | Pass | 0.30 | 17.32 | 18.66 | 17.25 | 17.06 | 23.64 | 23.98 | 23.94 | 30.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 0.30 | 17.47 | 18.78 | 16.91 | 17.03 | 23.63 | 23.98 | 23.93 | 30.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 0.30 | 3.52 | 5.13 | 2.62 | 3.47 | 9.80 | 30.00 | 10.10 | 36.00 |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | 0.50 | 7.67 | 9.12 | 8.33 | 8.19 | 14.38 | 30.00 | 14.88 | 36.00 |
| 5250MHz Straddle 5.25-5.35GHz | Pass | 0.50 | 7.54 | 9.05 | 8.2 | 8.12 | 14.28 | 23.98 | 14.78 | 30.00 |
| 5570MHz | Pass | 0.40 | 11.57 | 12.88 | 12.05 | 11.52 | 18.06 | 23.98 | 18.46 | 30.00 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 0.50 | 17.39 | 18.8 | 16.94 | 17.49 | 23.73 | 23.98 | 24.23 | 30.00 |
| 5300MHz | Pass | 0.50 | 17.45 | 18.79 | 16.96 | 17.64 | 23.78 | 23.98 | 24.28 | 30.00 |
| 5320MHz | Pass | 0.50 | 17.48 | 19.07 | 17.01 | 17.69 | 23.90 | 23.98 | 24.40 | 30.00 |
| 5500MHz | Pass | 0.30 | 16.05 | 17.62 | 15.99 | 15.42 | 22.37 | 23.98 | 22.67 | 30.00 |
| 5580MHz | Pass | 0.30 | 16.56 | 19.19 | 16.96 | 16.76 | 23.53 | 23.98 | 23.83 | 30.00 |
| 5700MHz | Pass | 0.30 | 15.55 | 17.06 | 15.96 | 15.97 | 22.19 | 23.98 | 22.49 | 30.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 0.30 | 16.97 | 17.71 | 16.81 | 16.83 | 23.12 | 23.20 | 23.42 | 29.20 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 0.30 | 12.28 | 12.87 | 12.06 | 11.63 | 18.25 | 30.00 | 18.55 | 36.00 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 0.50 | 17.38 | 18.97 | 16.88 | 17.5 | 23.78 | 23.98 | 24.28 | 30.00 |
| 5310MHz | Pass | 0.50 | 15.53 | 17.11 | 15.01 | 15.27 | 21.83 | 23.98 | 22.33 | 30.00 |
| 5510MHz | Pass | 0.30 | 15.45 | 17.28 | 15.67 | 15.16 | 21.99 | 23.98 | 22.29 | 30.00 |
| 5550MHz | Pass | 0.30 | 16.94 | 19.05 | 17.37 | 16.92 | 23.68 | 23.98 | 23.98 | 30.00 |
| 5670MHz | Pass | 0.30 | 17.62 | 18.63 | 17.32 | 17.61 | 23.85 | 23.98 | 24.15 | 30.00 |
| 5710MHz Straddle 5.47-5.725GHz | Pass | 0.30 | 17.29 | 18.71 | 17.14 | 17.7 | 23.78 | 23.98 | 24.08 | 30.00 |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 0.30 | 8.01 | 8.83 | 7.74 | 8.43 | 14.29 | 30.00 | 14.59 | 36.00 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 0.50 | 13.99 | 15.03 | 13.46 | 13.62 | 20.09 | 23.98 | 20.59 | 30.00 |



Average Power_Non-Beamforming_4T1S

Appendix B.1

| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) | EIRP (dBm) | EIRP Limit (dBm) |
|---------------------------------|--------|----------|--------------|--------------|--------------|--------------|-------------------|-------------------|------------|------------------|
| 5530MHz | Pass | 0.30 | 12.21 | 14.36 | 12.66 | 12 | 18.93 | 23.98 | 19.23 | 30.00 |
| 5610MHz | Pass | 0.30 | 17.21 | 18.74 | 17.54 | 17.23 | 23.75 | 23.98 | 24.05 | 30.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 0.30 | 17.2 | 18.63 | 17.56 | 17.79 | 23.85 | 23.98 | 24.15 | 30.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 0.30 | 4.22 | 5.13 | 5.06 | 4.79 | 10.84 | 30.00 | 11.14 | 36.00 |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | 0.50 | 7.36 | 8.93 | 7.7 | 7.31 | 13.90 | 30.00 | 14.40 | 36.00 |
| 5250MHz Straddle 5.25-5.35GHz | Pass | 0.50 | 7.33 | 8.81 | 7.56 | 7.44 | 13.85 | 23.98 | 14.35 | 30.00 |
| 5570MHz | Pass | 0.40 | 11.13 | 13.05 | 11.56 | 11.48 | 17.89 | 23.98 | 18.29 | 30.00 |

DG = Directional Gain; Port X = Port X output power



802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

18/06/2021

CF
5.71GHz

Span
60MHz

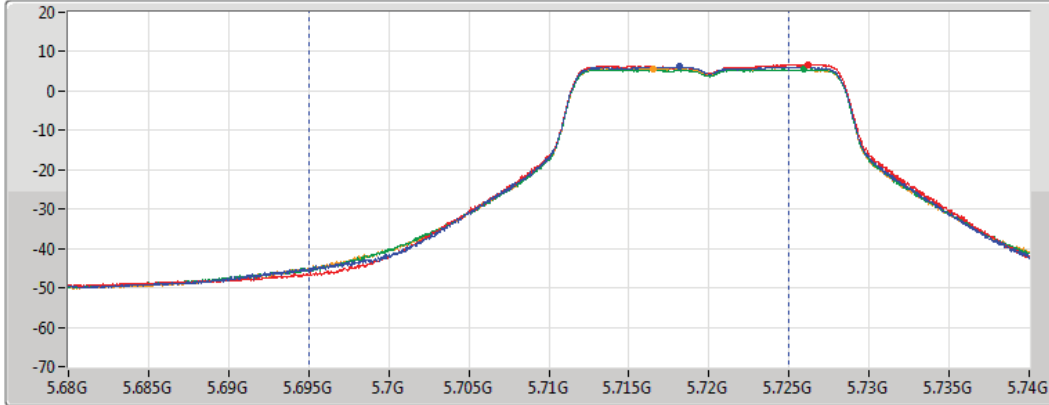
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
30MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 22.52 | 16.67 | 16.90 | 16.07 | 16.29 |

802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

18/06/2021

CF
5.735GHz

Span
40MHz

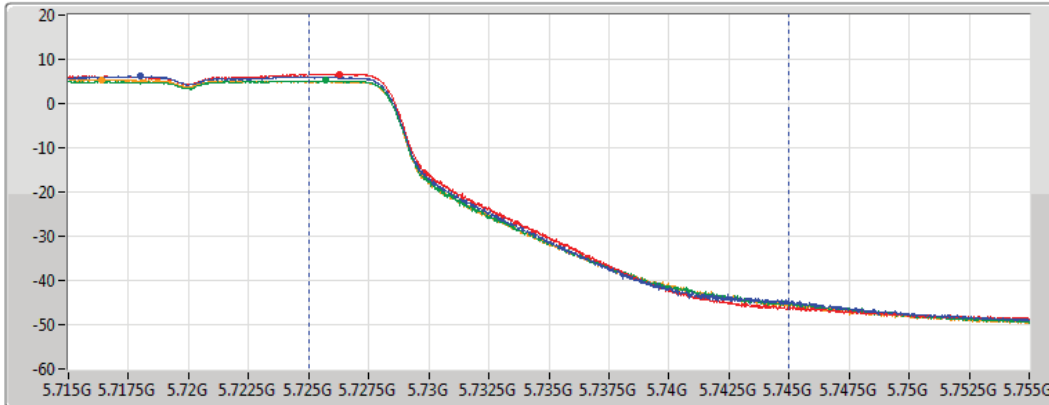
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 16.48 | 10.65 | 11.41 | 9.83 | 9.72 |



802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

16/12/2020

CF
5.71GHz

Span
60MHz

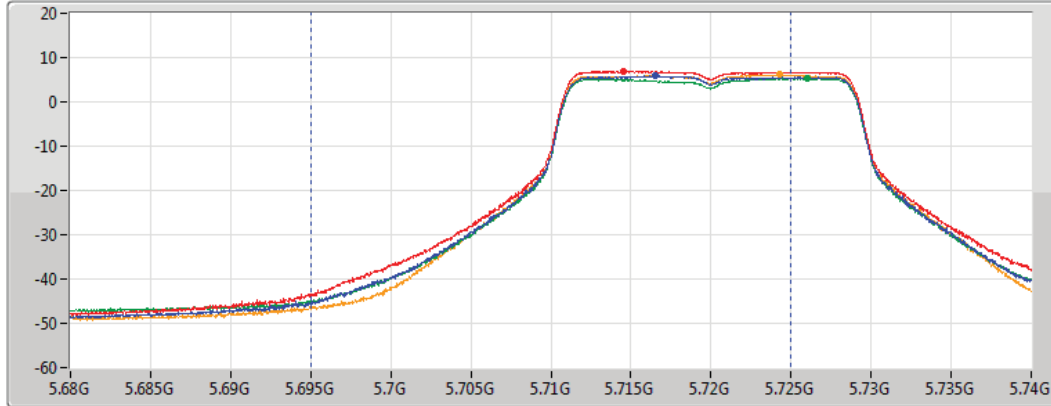
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
30MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 22.75 | 16.49 | 17.65 | 15.85 | 16.75 |

802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

16/12/2020

CF
5.735GHz

Span
40MHz

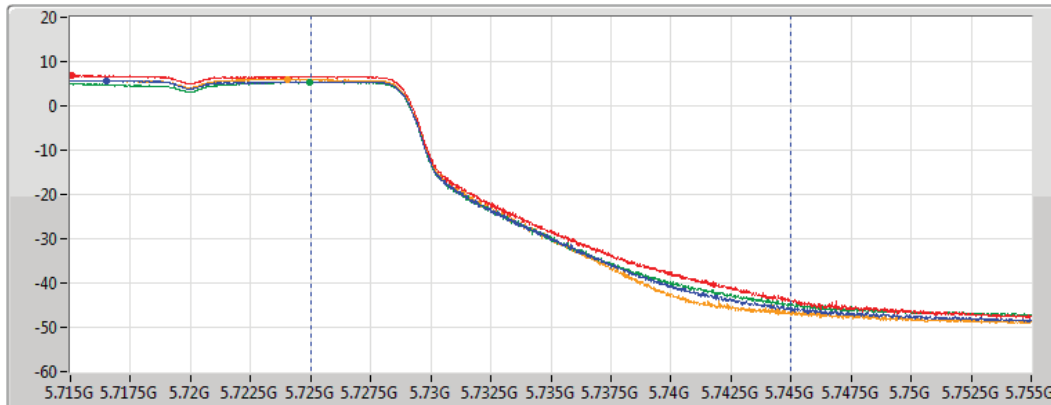
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 17.35 | 10.95 | 12.09 | 10.86 | 11.32 |



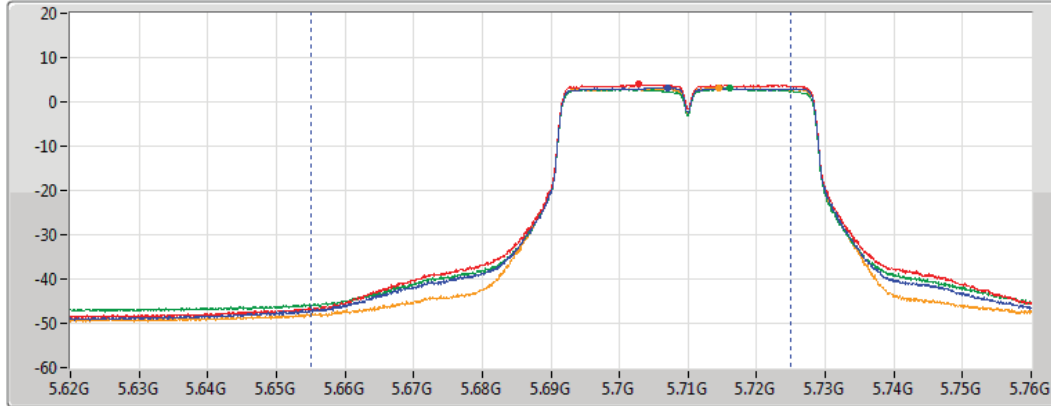
802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

16/12/2020

CF
5.69GHz
Span
140MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
70MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 23.80 | 17.67 | 18.35 | 17.42 | 17.61 |

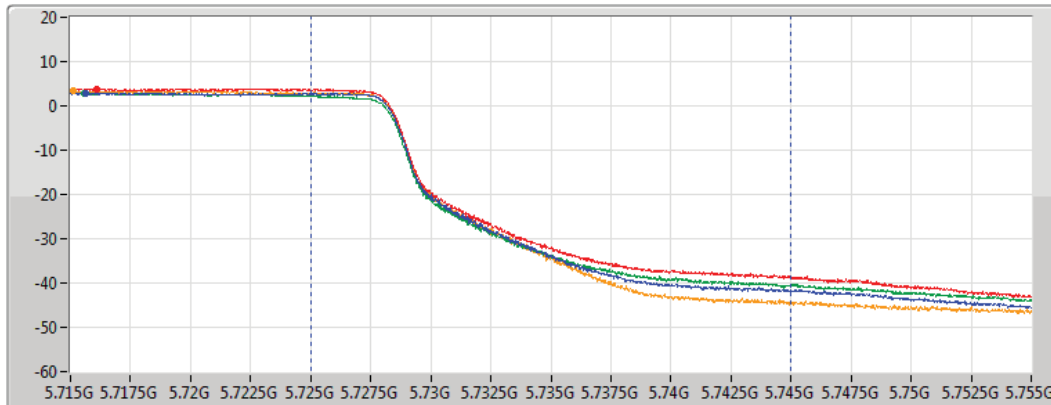
802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

16/12/2020

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 13.56 | 7.45 | 8.27 | 6.69 | 7.62 |



802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

16/12/2020

CF
5.65GHz

Span
300MHz

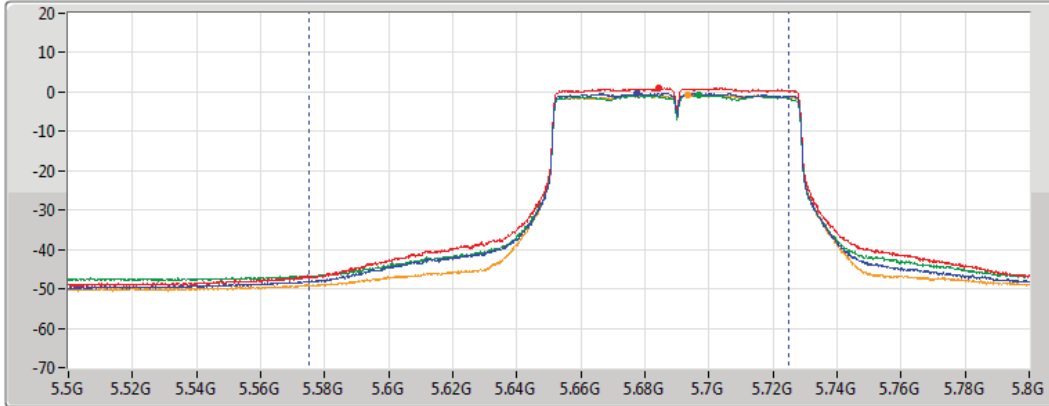
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
150MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 23.63 | 17.47 | 18.78 | 16.91 | 17.03 |

802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

16/12/2020

CF
5.735GHz

Span
40MHz

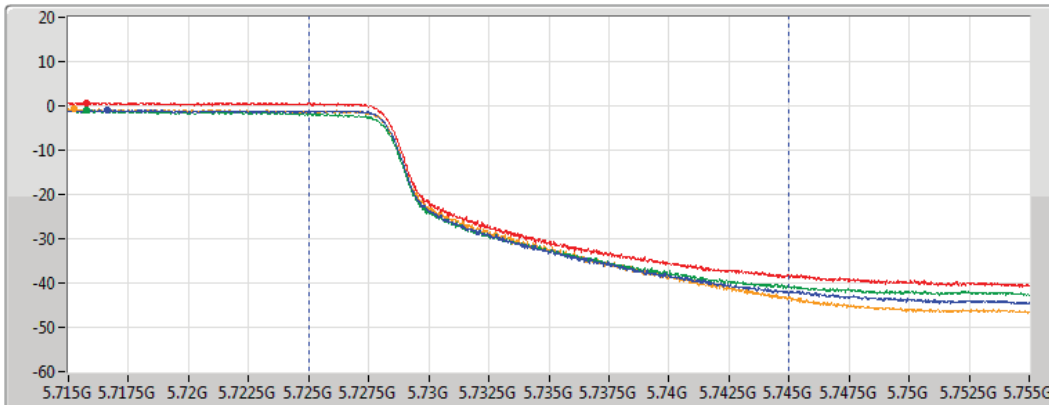
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

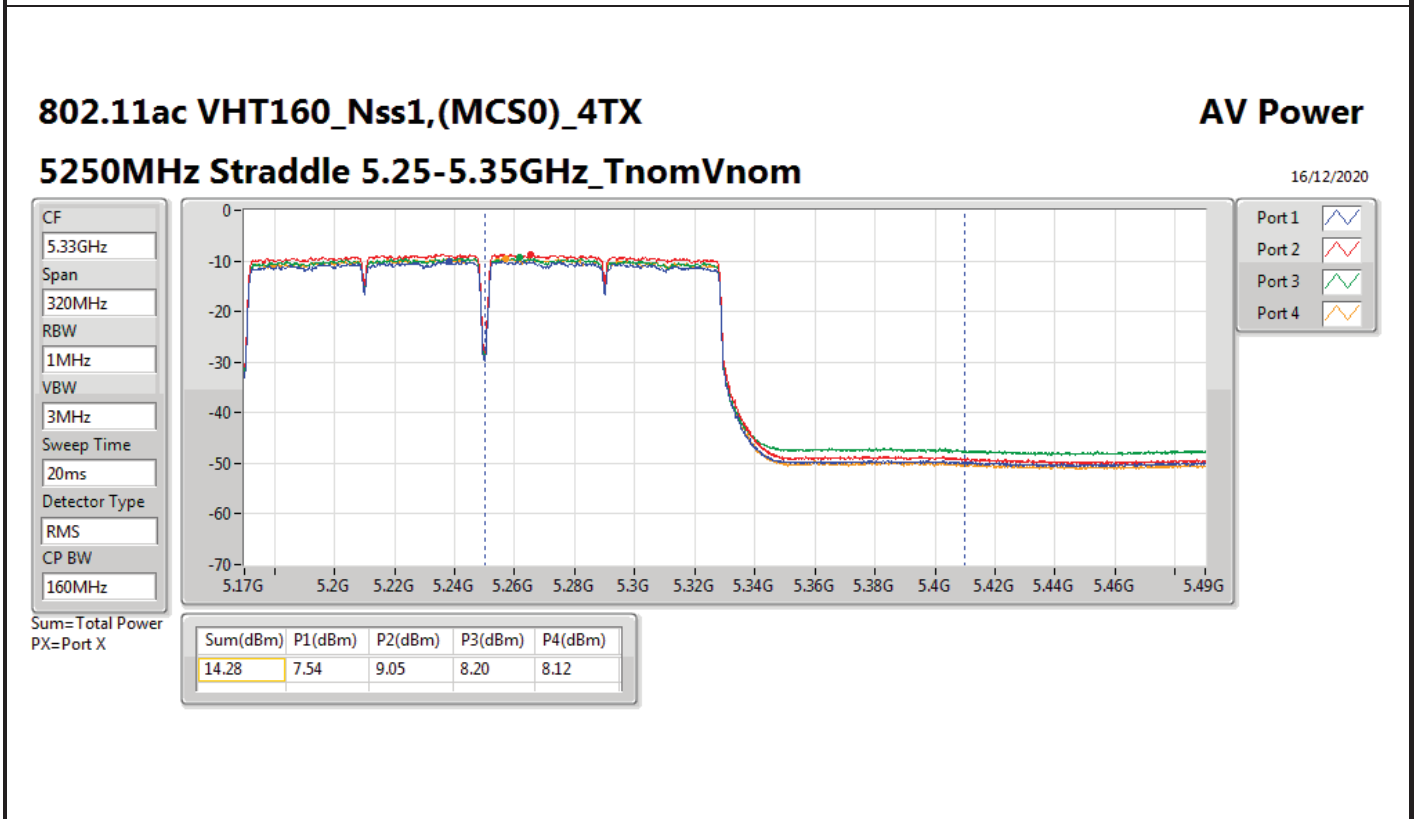
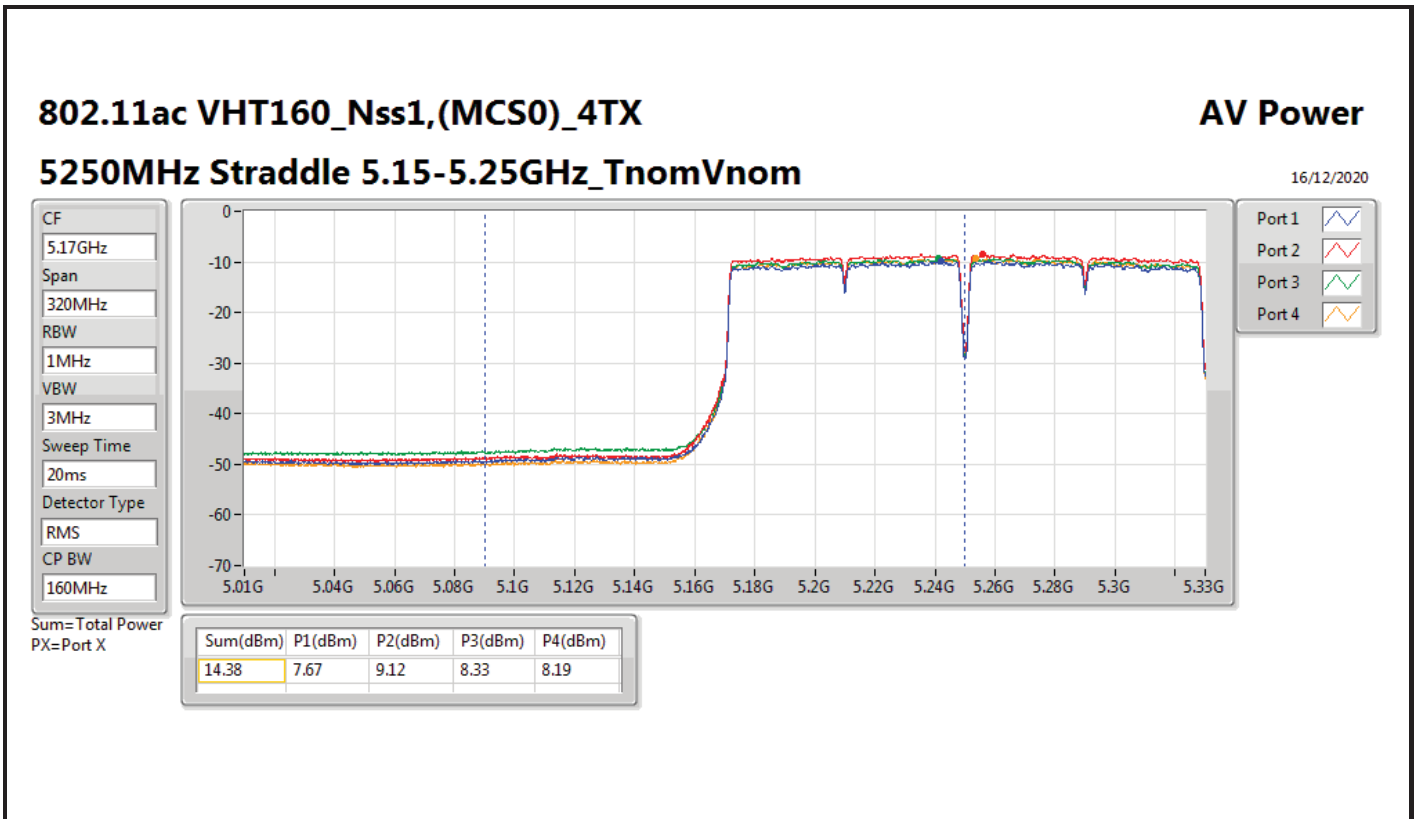
Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 9.80 | 3.52 | 5.13 | 2.62 | 3.47 |





802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

09/12/2020

CF
5.71GHz

Span
60MHz

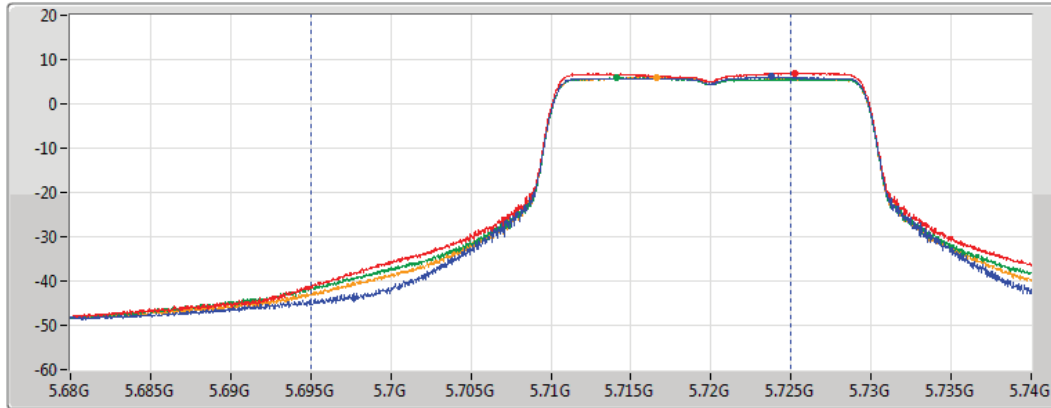
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
30MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 23.12 | 16.97 | 17.71 | 16.81 | 16.83 |

802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

09/12/2020

CF
5.735GHz

Span
40MHz

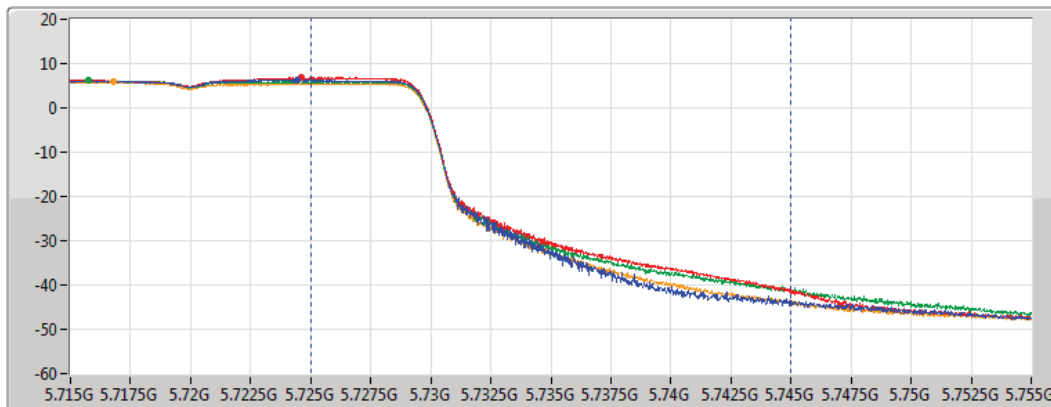
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 18.25 | 12.28 | 12.87 | 12.06 | 11.63 |



802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

09/12/2020

CF
5.69GHz

Span
140MHz

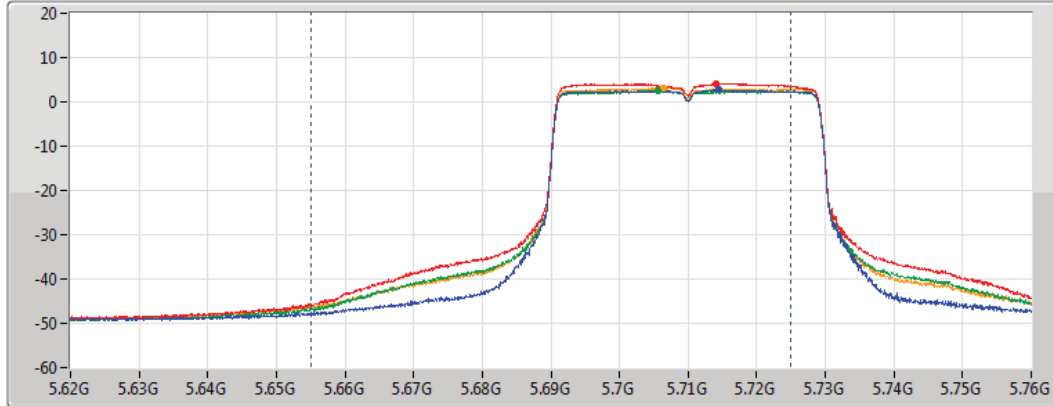
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
70MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 23.78 | 17.29 | 18.71 | 17.14 | 17.70 |

802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

09/12/2020

CF
5.735GHz

Span
40MHz

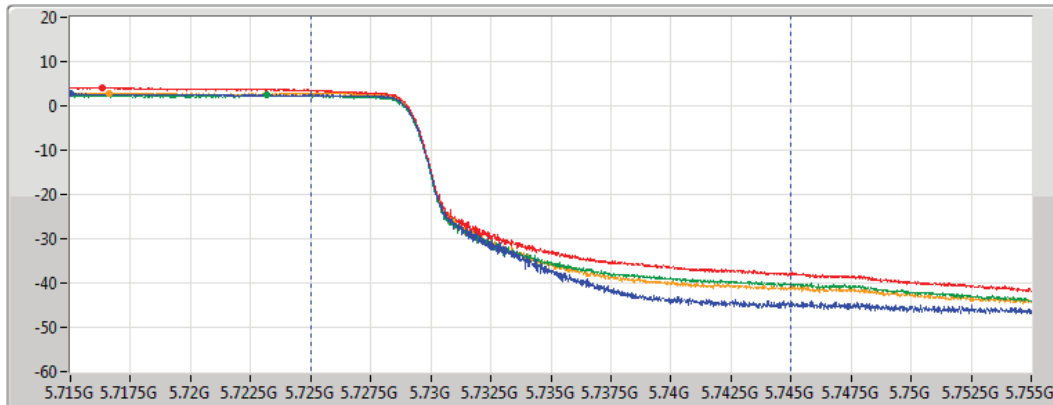
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 14.29 | 8.01 | 8.83 | 7.74 | 8.43 |



802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

09/12/2020

CF
5.65GHz

Span
300MHz

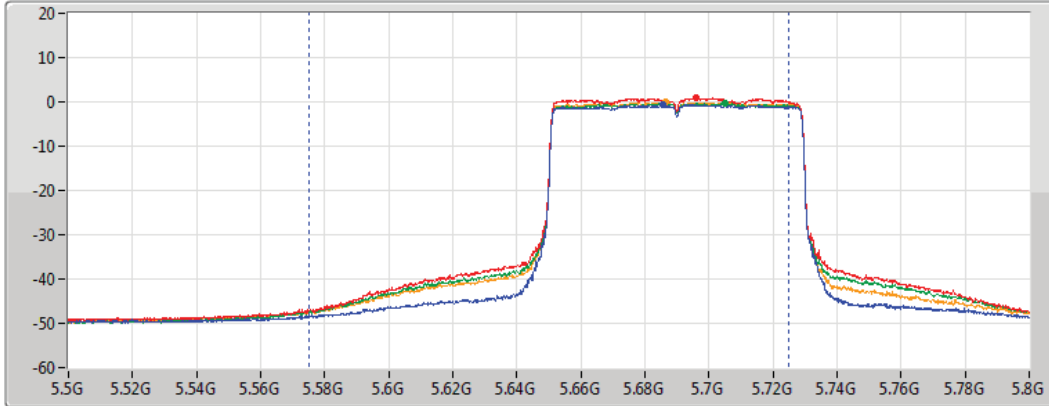
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
150MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 23.85 | 17.20 | 18.63 | 17.56 | 17.79 |

802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

09/12/2020

CF
5.735GHz

Span
40MHz

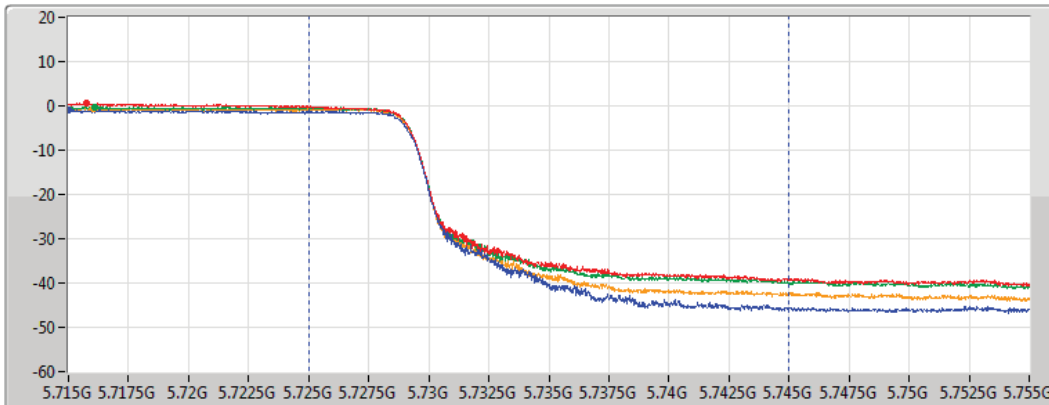
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 10.84 | 4.22 | 5.13 | 5.06 | 4.79 |



802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

09/12/2020

CF
5.17GHz

Span
320MHz

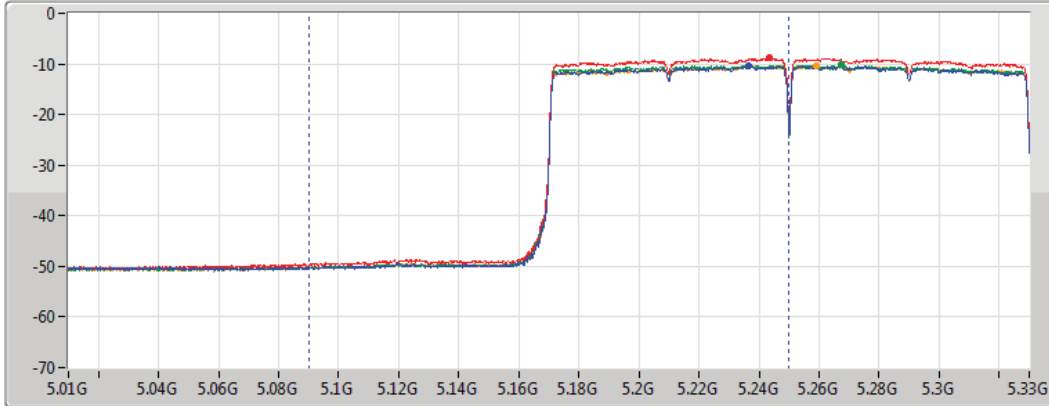
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
160MHz



Port 1

Port 2

Port 3

Port 4

Sum=Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 13.90 | 7.36 | 8.93 | 7.70 | 7.31 |

802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

09/12/2020

CF
5.33GHz

Span
320MHz

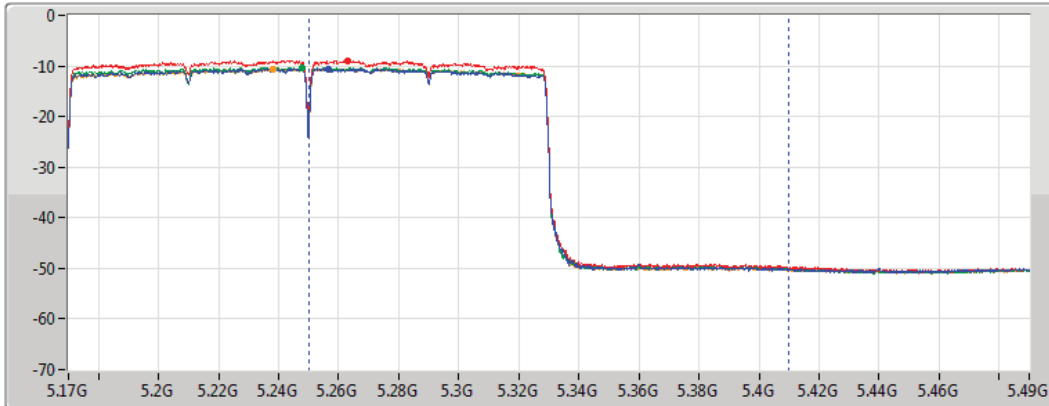
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
160MHz



Port 1

Port 2

Port 3

Port 4

Sum=Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 13.85 | 7.33 | 8.81 | 7.56 | 7.44 |



Summary

| Mode | Total Power (dBm) | Total Power (W) | EIRP (dBm) | EIRP (W) |
|---------------------------------|-------------------|-----------------|------------|----------|
| 5.15-5.25GHz | - | - | - | - |
| 802.11ac VHT160_Nss4,(MCS0)_4TX | 12.39 | 0.01734 | 12.89 | 0.01945 |
| 802.11ax HEW160_Nss4,(MCS0)_4TX | 12.57 | 0.01807 | 13.07 | 0.02028 |
| 5.25-5.35GHz | - | - | - | - |
| 802.11ac VHT20_Nss4,(MCS0)_4TX | 23.95 | 0.24831 | 24.45 | 0.27861 |
| 802.11ac VHT40_Nss4,(MCS0)_4TX | 23.67 | 0.23281 | 24.17 | 0.26122 |
| 802.11ac VHT80_Nss4,(MCS0)_4TX | 21.14 | 0.13002 | 21.64 | 0.14588 |
| 802.11ac VHT160_Nss4,(MCS0)_4TX | 12.32 | 0.01706 | 12.82 | 0.01914 |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | 23.89 | 0.24491 | 24.39 | 0.27479 |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | 23.85 | 0.24266 | 24.35 | 0.27227 |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | 21.71 | 0.14825 | 22.21 | 0.16634 |
| 802.11ax HEW160_Nss4,(MCS0)_4TX | 12.57 | 0.01807 | 13.07 | 0.02028 |
| 5.47-5.725GHz | - | - | - | - |
| 802.11ac VHT20_Nss4,(MCS0)_4TX | 23.97 | 0.24946 | 24.27 | 0.26730 |
| 802.11ac VHT40_Nss4,(MCS0)_4TX | 23.76 | 0.23768 | 24.06 | 0.25468 |
| 802.11ac VHT80_Nss4,(MCS0)_4TX | 23.74 | 0.23659 | 24.04 | 0.25351 |
| 802.11ac VHT160_Nss4,(MCS0)_4TX | 15.54 | 0.03581 | 15.94 | 0.03926 |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | 23.94 | 0.24774 | 24.24 | 0.26546 |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | 23.96 | 0.24889 | 24.26 | 0.26669 |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | 23.69 | 0.23388 | 23.99 | 0.25061 |
| 802.11ax HEW160_Nss4,(MCS0)_4TX | 17.05 | 0.05070 | 17.45 | 0.05559 |
| 5.725-5.85GHz | - | - | - | - |
| 802.11ac VHT20_Nss4,(MCS0)_4TX | 17.47 | 0.05585 | 17.77 | 0.05984 |
| 802.11ac VHT40_Nss4,(MCS0)_4TX | 13.39 | 0.02183 | 13.69 | 0.02339 |
| 802.11ac VHT80_Nss4,(MCS0)_4TX | 10.04 | 0.01009 | 10.34 | 0.01081 |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | 17.76 | 0.05970 | 18.06 | 0.06397 |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | 14.44 | 0.02780 | 14.74 | 0.02979 |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | 10.57 | 0.01140 | 10.87 | 0.01222 |



Result

| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) | EIRP (dBm) | EIRP Limit (dBm) |
|---------------------------------|--------|----------|--------------|--------------|--------------|--------------|-------------------|-------------------|------------|------------------|
| 802.11ac VHT20_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 0.50 | 17.64 | 18.73 | 17.73 | 17.52 | 23.95 | 23.98 | 24.45 | 30.00 |
| 5300MHz | Pass | 0.50 | 17.11 | 18.76 | 17.67 | 17.47 | 23.82 | 23.98 | 24.32 | 30.00 |
| 5320MHz | Pass | 0.50 | 17.05 | 18.75 | 17.39 | 17.76 | 23.81 | 23.98 | 24.31 | 30.00 |
| 5500MHz | Pass | 0.30 | 17.14 | 18.72 | 18.29 | 16.95 | 23.86 | 23.98 | 24.16 | 30.00 |
| 5580MHz | Pass | 0.30 | 17.8 | 18.73 | 17.92 | 17.2 | 23.97 | 23.98 | 24.27 | 30.00 |
| 5700MHz | Pass | 0.30 | 17.13 | 18.59 | 17.28 | 17.03 | 23.58 | 23.98 | 23.88 | 30.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 0.30 | 16.56 | 18.04 | 15.78 | 16.6 | 22.84 | 23.21 | 23.14 | 29.21 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 0.30 | 10.86 | 12.83 | 10.45 | 11.26 | 17.47 | 30.00 | 17.77 | 36.00 |
| 802.11ac VHT40_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 0.50 | 17.07 | 18.43 | 17.63 | 17.35 | 23.67 | 23.98 | 24.17 | 30.00 |
| 5310MHz | Pass | 0.50 | 15.48 | 16.93 | 16.12 | 16.14 | 22.22 | 23.98 | 22.72 | 30.00 |
| 5510MHz | Pass | 0.30 | 15.79 | 17.64 | 16.39 | 15.64 | 22.46 | 23.98 | 22.76 | 30.00 |
| 5550MHz | Pass | 0.30 | 17.38 | 18.8 | 17.54 | 17.02 | 23.76 | 23.98 | 24.06 | 30.00 |
| 5670MHz | Pass | 0.30 | 17.48 | 18.49 | 16.97 | 17 | 23.55 | 23.98 | 23.85 | 30.00 |
| 5710MHz Straddle 5.47-5.725GHz | Pass | 0.30 | 17.4 | 18.52 | 17.1 | 16.97 | 23.56 | 23.98 | 23.86 | 30.00 |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 0.30 | 7.23 | 8.32 | 6.9 | 6.85 | 13.39 | 30.00 | 13.69 | 36.00 |
| 802.11ac VHT80_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 0.50 | 14.26 | 16.22 | 14.82 | 14.95 | 21.14 | 23.98 | 21.64 | 30.00 |
| 5530MHz | Pass | 0.30 | 12.09 | 13.92 | 12.87 | 11.86 | 18.78 | 23.98 | 19.08 | 30.00 |
| 5610MHz | Pass | 0.30 | 17.33 | 19.21 | 17.31 | 16.58 | 23.74 | 23.98 | 24.04 | 30.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 0.30 | 17.51 | 19.2 | 16.78 | 16.93 | 23.74 | 23.98 | 24.04 | 30.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 0.30 | 3.64 | 5.54 | 3.1 | 3.36 | 10.04 | 30.00 | 10.34 | 36.00 |
| 802.11ac VHT160_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | 0.50 | 5.99 | 7.23 | 6.42 | 5.68 | 12.39 | 30.00 | 12.89 | 36.00 |
| 5250MHz Straddle 5.25-5.35GHz | Pass | 0.50 | 5.94 | 7.14 | 6.38 | 5.57 | 12.32 | 23.98 | 12.82 | 30.00 |
| 5570MHz | Pass | 0.40 | 9.39 | 10.58 | 9.64 | 8.14 | 15.54 | 23.98 | 15.94 | 30.00 |
| 802.11ax HEW20_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 0.50 | 17.3 | 18.7 | 16.83 | 17.44 | 23.65 | 23.98 | 24.15 | 30.00 |
| 5300MHz | Pass | 0.50 | 17.41 | 18.93 | 17.11 | 17.8 | 23.89 | 23.98 | 24.39 | 30.00 |
| 5320MHz | Pass | 0.50 | 17.41 | 18.99 | 16.94 | 17.68 | 23.84 | 23.98 | 24.34 | 30.00 |
| 5500MHz | Pass | 0.30 | 17.49 | 19.31 | 17.6 | 16.9 | 23.94 | 23.98 | 24.24 | 30.00 |
| 5580MHz | Pass | 0.30 | 16.53 | 19.33 | 16.9 | 16.78 | 23.57 | 23.98 | 23.87 | 30.00 |
| 5700MHz | Pass | 0.30 | 17.09 | 18.32 | 17.35 | 17.35 | 23.57 | 23.98 | 23.87 | 30.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 0.30 | 16.69 | 17.41 | 16.65 | 16.33 | 22.81 | 23.19 | 23.11 | 29.19 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 0.30 | 11.73 | 12.07 | 11.67 | 11.46 | 17.76 | 30.00 | 18.06 | 36.00 |
| 802.11ax HEW40_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 0.50 | 17.4 | 19.08 | 16.97 | 17.56 | 23.85 | 23.98 | 24.35 | 30.00 |
| 5310MHz | Pass | 0.50 | 16.14 | 17.49 | 15.43 | 15.84 | 22.32 | 23.98 | 22.82 | 30.00 |
| 5510MHz | Pass | 0.30 | 15.54 | 17.61 | 16.27 | 15.69 | 22.38 | 23.98 | 22.68 | 30.00 |
| 5550MHz | Pass | 0.30 | 17.02 | 18.87 | 17.43 | 16.98 | 23.67 | 23.98 | 23.97 | 30.00 |
| 5670MHz | Pass | 0.30 | 17.51 | 18.75 | 17.43 | 17.68 | 23.90 | 23.98 | 24.20 | 30.00 |
| 5710MHz Straddle 5.47-5.725GHz | Pass | 0.30 | 17.53 | 18.97 | 17.44 | 17.63 | 23.96 | 23.98 | 24.26 | 30.00 |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 0.30 | 8.04 | 9.27 | 7.85 | 8.39 | 14.44 | 30.00 | 14.74 | 36.00 |
| 802.11ax HEW80_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 0.50 | 15.58 | 16.66 | 15.1 | 15.25 | 21.71 | 23.98 | 22.21 | 30.00 |
| 5530MHz | Pass | 0.30 | 12.68 | 14.89 | 13.16 | 12.57 | 19.45 | 23.98 | 19.75 | 30.00 |
| 5610MHz | Pass | 0.30 | 17.08 | 18.72 | 17.48 | 17.21 | 23.69 | 23.98 | 23.99 | 30.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 0.30 | 17.1 | 18.11 | 17.7 | 17.28 | 23.59 | 23.98 | 23.89 | 30.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 0.30 | 4.27 | 4.93 | 4.7 | 4.27 | 10.57 | 30.00 | 10.87 | 36.00 |
| 802.11ax HEW160_Nss4,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | 0.50 | 6.22 | 7.72 | 6.16 | 5.82 | 12.57 | 30.00 | 13.07 | 36.00 |
| 5250MHz Straddle 5.25-5.35GHz | Pass | 0.50 | 6.24 | 7.67 | 6.06 | 5.99 | 12.57 | 23.98 | 13.07 | 30.00 |
| 5570MHz | Pass | 0.40 | 10.27 | 12.56 | 10.43 | 10.4 | 17.05 | 23.98 | 17.45 | 30.00 |



DG = Directional Gain; Port X = Port X output power



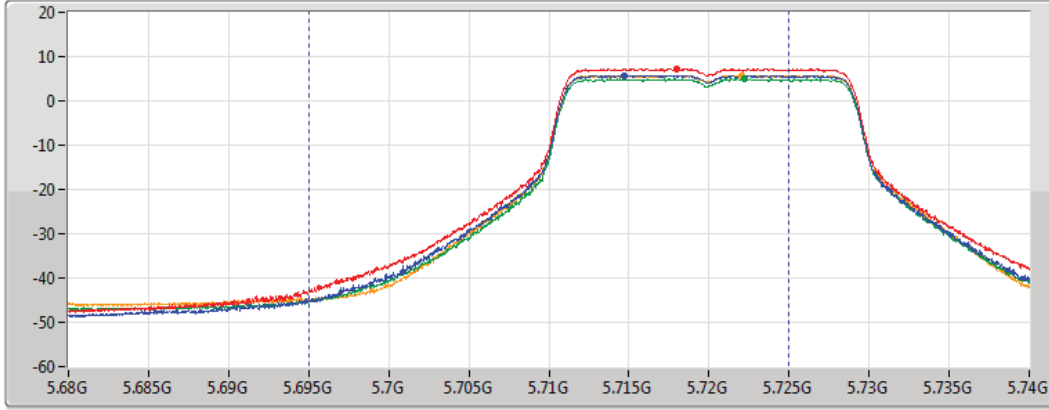
802.11ac VHT20_Nss4,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

16/12/2020

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
30MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 22.84 | 16.56 | 18.04 | 15.78 | 16.60 |

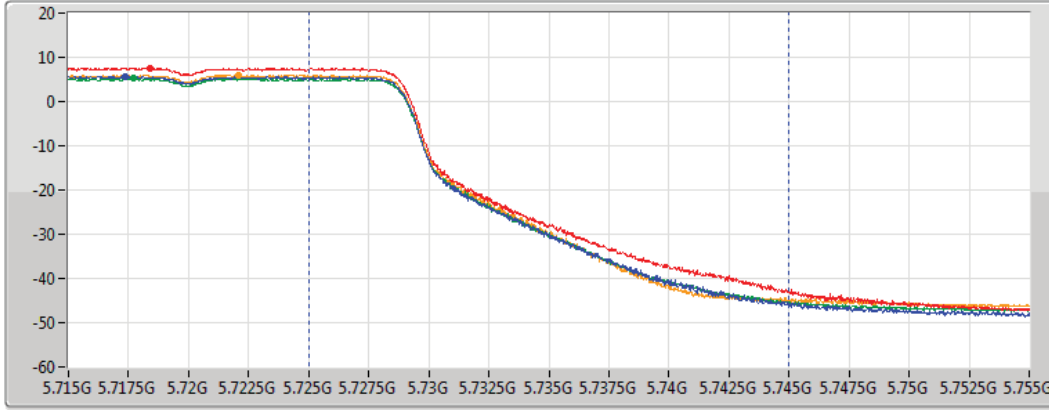
802.11ac VHT20_Nss4,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

16/12/2020

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 17.47 | 10.86 | 12.83 | 10.45 | 11.26 |

802.11ac VHT40_Nss4,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

16/12/2020

CF
5.69GHz

Span
140MHz

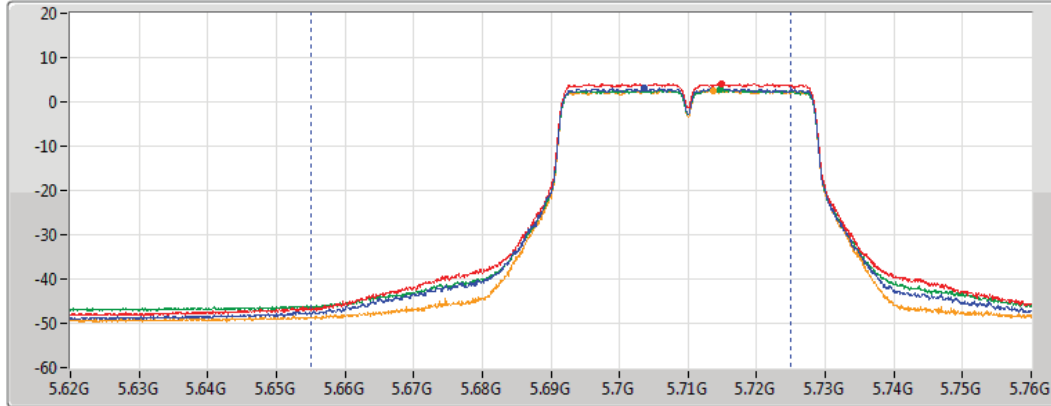
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
70MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 23.56 | 17.40 | 18.52 | 17.10 | 16.97 |

802.11ac VHT40_Nss4,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

16/12/2020

CF
5.735GHz

Span
40MHz

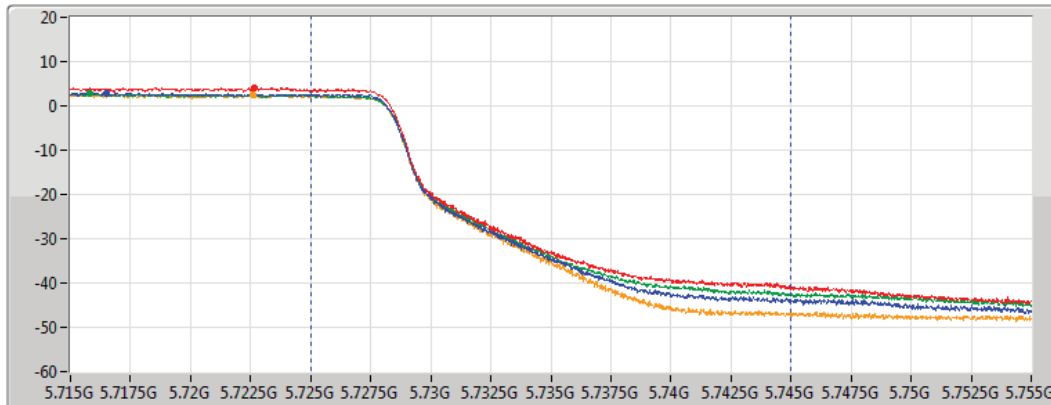
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 13.39 | 7.23 | 8.32 | 6.90 | 6.85 |



802.11ac VHT80_Nss4,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

16/12/2020

CF
5.65GHz

Span
300MHz

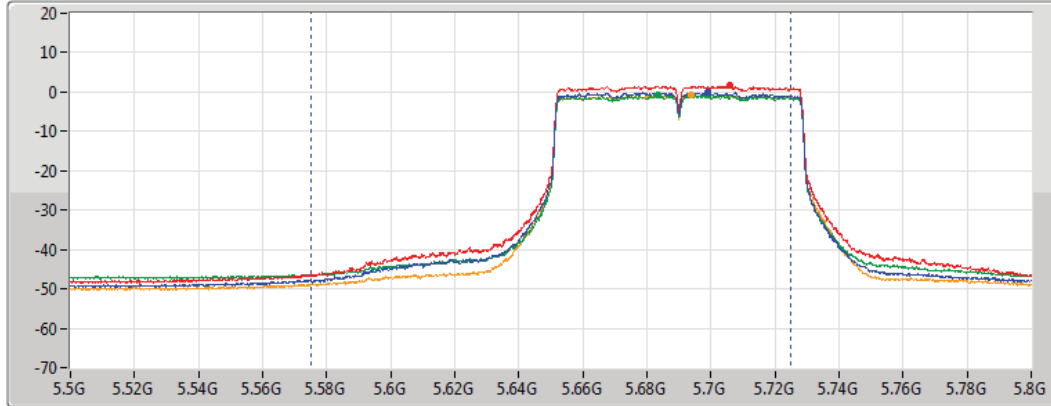
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
150MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 23.74 | 17.51 | 19.20 | 16.78 | 16.93 |

802.11ac VHT80_Nss4,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

16/12/2020

CF
5.735GHz

Span
40MHz

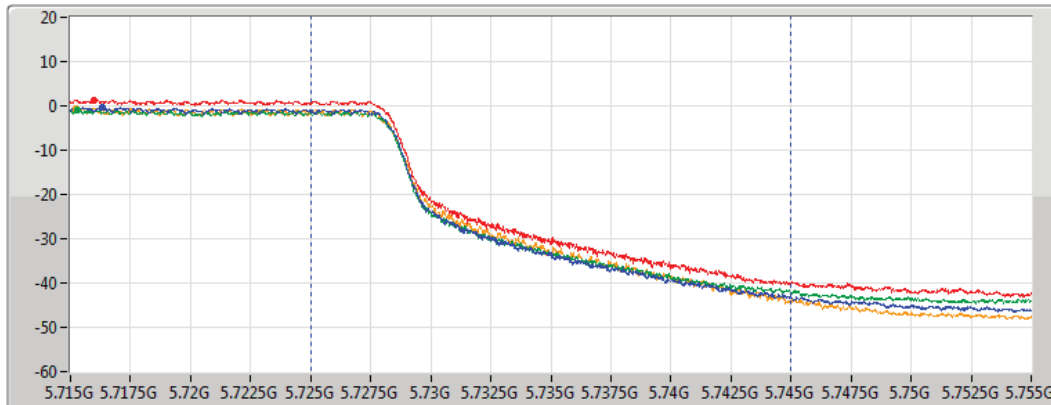
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

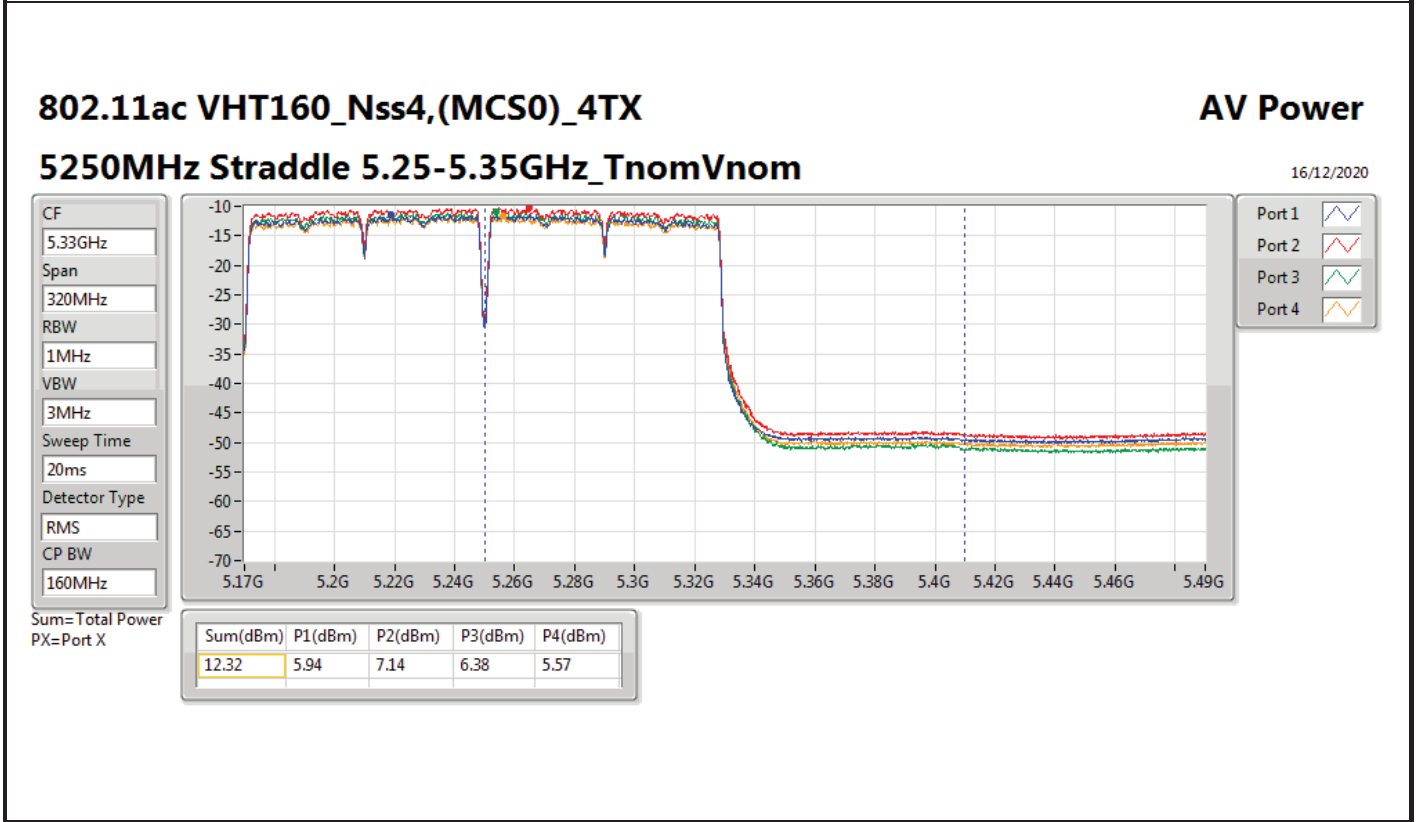
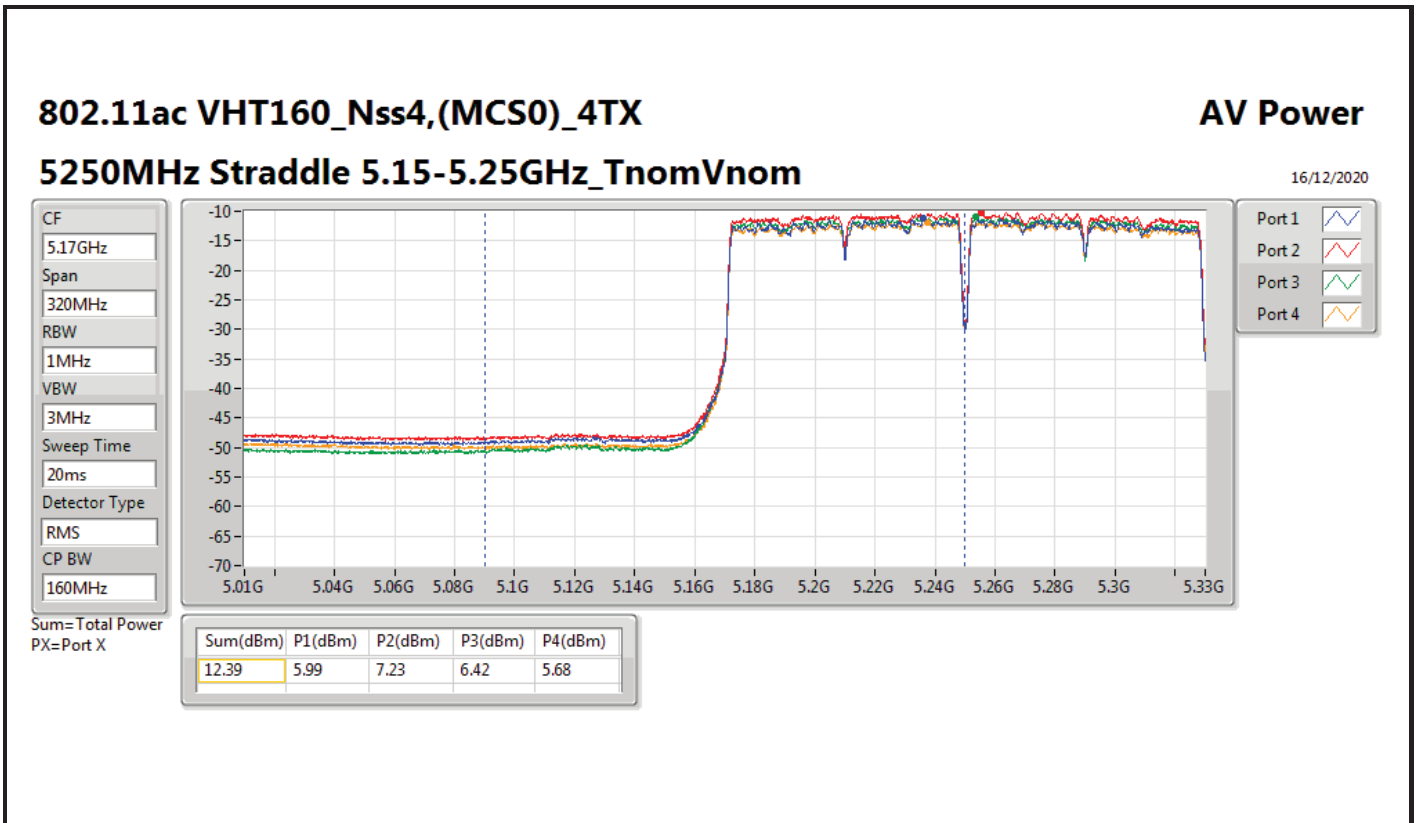
Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 10.04 | 3.64 | 5.54 | 3.10 | 3.36 |





802.11ax HEW20_Nss4,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

09/12/2020

CF
5.71GHz

Span
60MHz

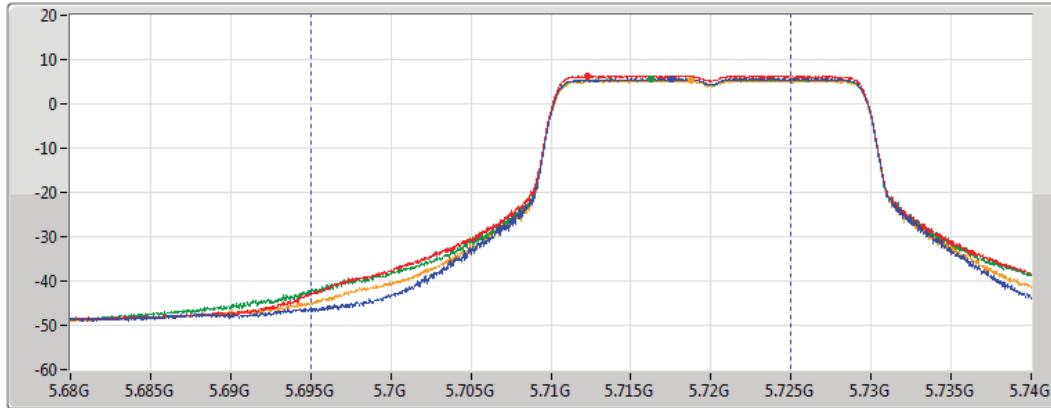
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
30MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 22.81 | 16.69 | 17.41 | 16.65 | 16.33 |

802.11ax HEW20_Nss4,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

09/12/2020

CF
5.735GHz

Span
40MHz

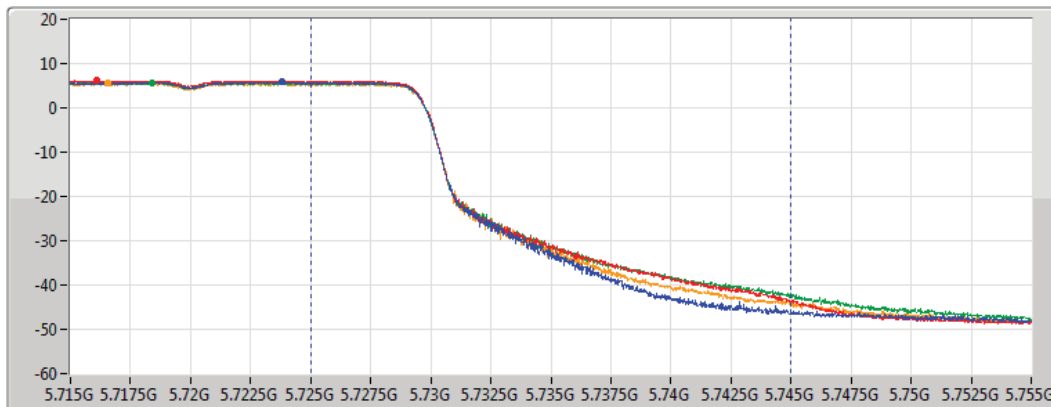
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 17.76 | 11.73 | 12.07 | 11.67 | 11.46 |



802.11ax HEW40_Nss4,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

09/12/2020

CF
5.69GHz

Span
140MHz

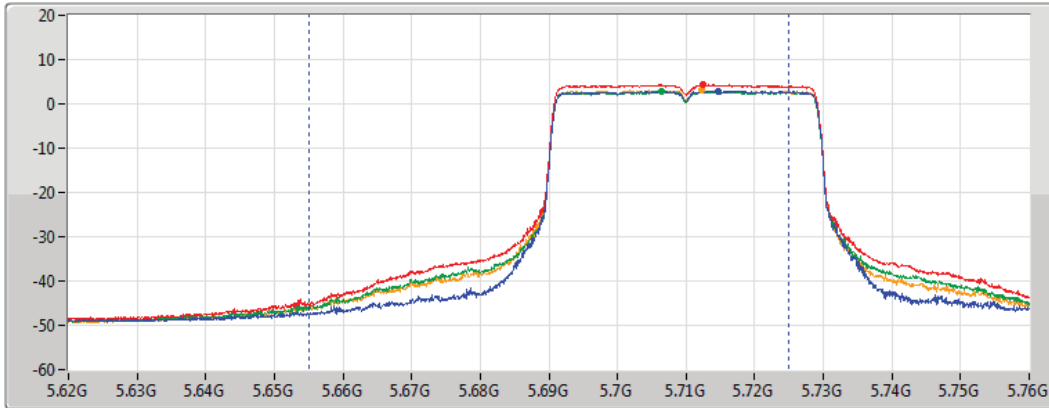
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
70MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 23.96 | 17.53 | 18.97 | 17.44 | 17.63 |

802.11ax HEW40_Nss4,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

09/12/2020

CF
5.735GHz

Span
40MHz

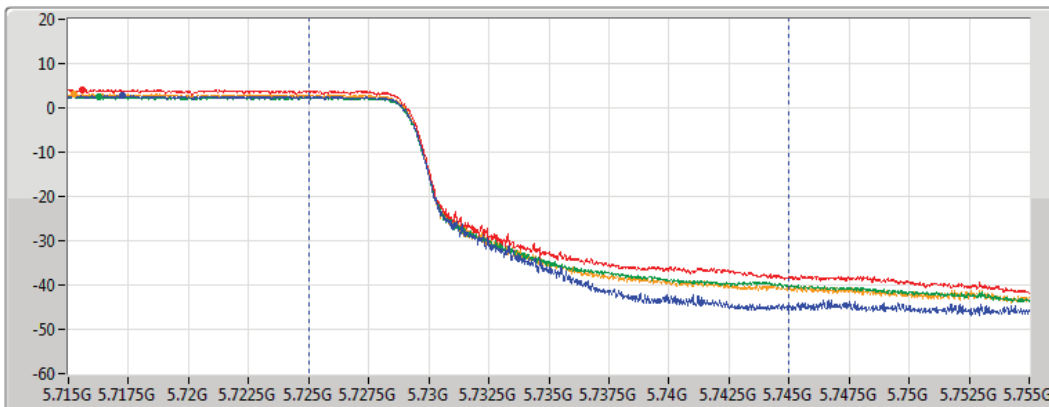
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 14.44 | 8.04 | 9.27 | 7.85 | 8.39 |



802.11ax HEW80_Nss4,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

09/12/2020

CF
5.65GHz

Span
300MHz

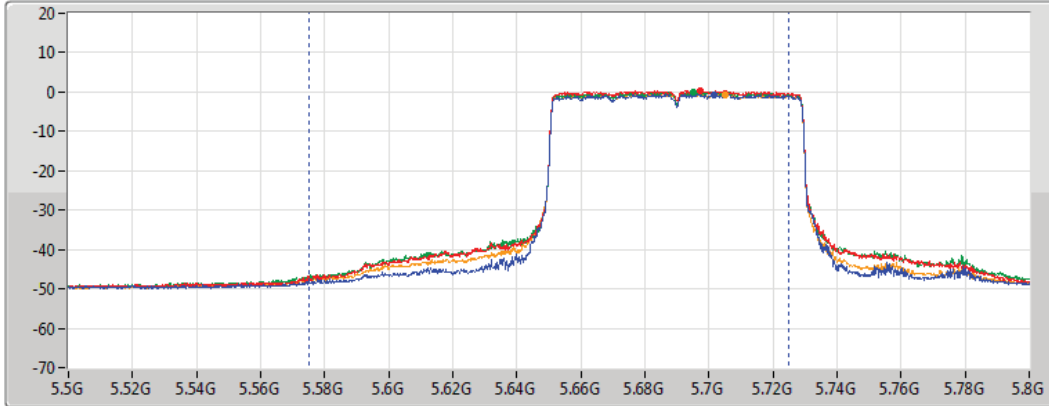
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
150MHz



Port 1

Port 2

Port 3

Port 4

Sum=Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 23.59 | 17.10 | 18.11 | 17.70 | 17.28 |

802.11ax HEW80_Nss4,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

09/12/2020

CF
5.735GHz

Span
40MHz

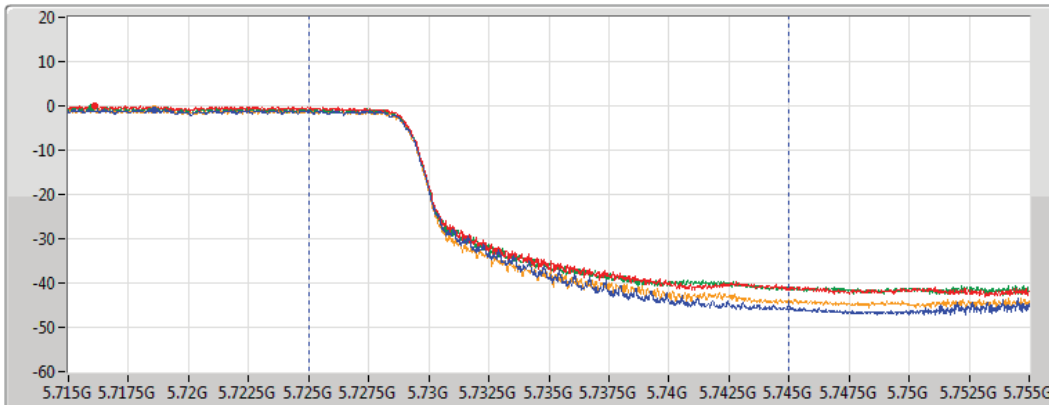
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

Port 2

Port 3

Port 4

Sum=Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 10.57 | 4.27 | 4.93 | 4.70 | 4.27 |



802.11ax HEW160_Nss4,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

09/12/2020

CF
5.17GHz

Span
320MHz

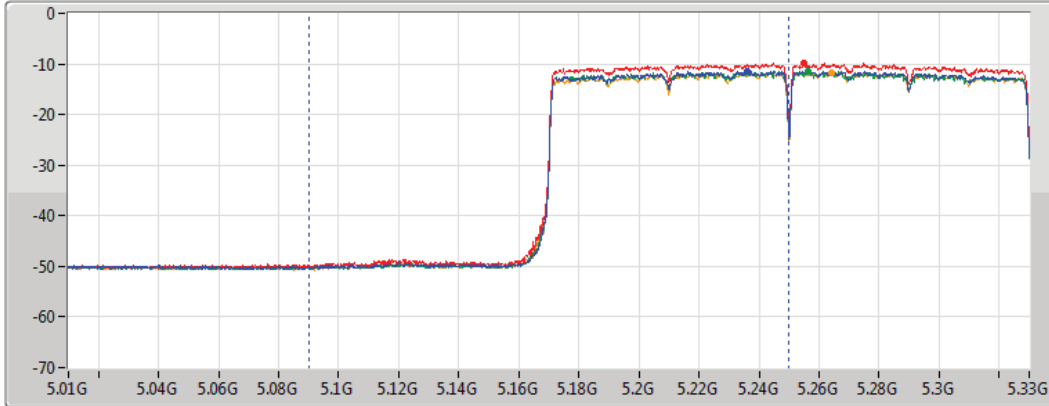
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
160MHz



Port 1

Port 2

Port 3

Port 4

Sum=Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 12.57 | 6.22 | 7.72 | 6.16 | 5.82 |

802.11ax HEW160_Nss4,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

09/12/2020

CF
5.33GHz

Span
320MHz

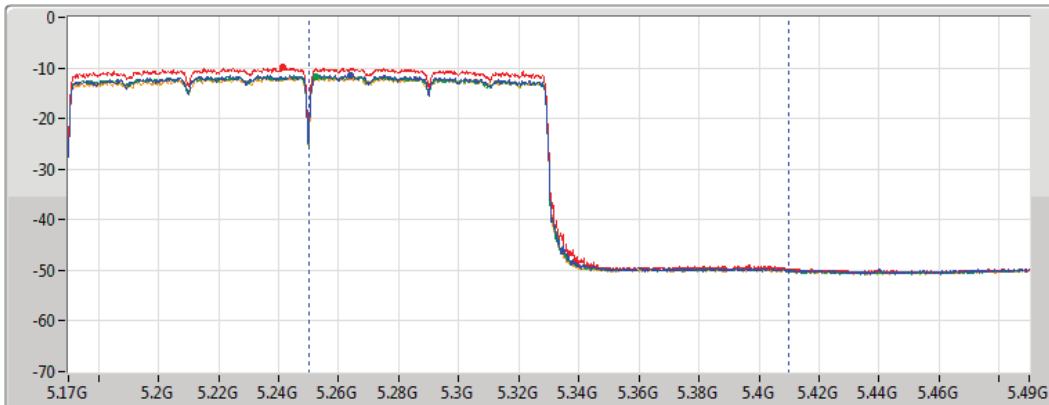
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
160MHz



Port 1

Port 2

Port 3

Port 4

Sum=Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 12.57 | 6.24 | 7.67 | 6.06 | 5.99 |



Summary

| Mode | Total Power (dBm) | Total Power (W) | EIRP (dBm) | EIRP (W) |
|------------------------------------|-------------------|-----------------|------------|----------|
| 5.15-5.25GHz | - | - | - | - |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | 15.61 | 0.03639 | 22.13 | 0.16331 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 17.60 | 0.05754 | 24.12 | 0.25823 |
| 5.25-5.35GHz | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 20.55 | 0.11350 | 27.07 | 0.50933 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 22.73 | 0.18750 | 29.25 | 0.84140 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 21.61 | 0.14488 | 28.13 | 0.65013 |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | 15.12 | 0.03251 | 21.64 | 0.14588 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 20.92 | 0.12359 | 27.44 | 0.55463 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 22.42 | 0.17458 | 28.94 | 0.78343 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 22.65 | 0.18408 | 29.17 | 0.82604 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 17.58 | 0.05728 | 24.10 | 0.25704 |
| 5.47-5.725GHz | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 22.14 | 0.16368 | 28.46 | 0.70146 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 22.93 | 0.19634 | 29.25 | 0.84140 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 22.68 | 0.18535 | 29.00 | 0.79433 |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | 18.61 | 0.07261 | 25.03 | 0.31842 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 22.23 | 0.16711 | 28.55 | 0.71614 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 22.93 | 0.19634 | 29.25 | 0.84140 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 22.80 | 0.19055 | 29.12 | 0.81658 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 18.73 | 0.07464 | 25.15 | 0.32734 |
| 5.725-5.85GHz | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 16.59 | 0.04560 | 22.91 | 0.19543 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 12.63 | 0.01832 | 18.95 | 0.07852 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 9.23 | 0.00838 | 15.55 | 0.03589 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 17.05 | 0.05070 | 23.37 | 0.21727 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 13.41 | 0.02193 | 19.73 | 0.09397 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 10.39 | 0.01094 | 16.71 | 0.04688 |

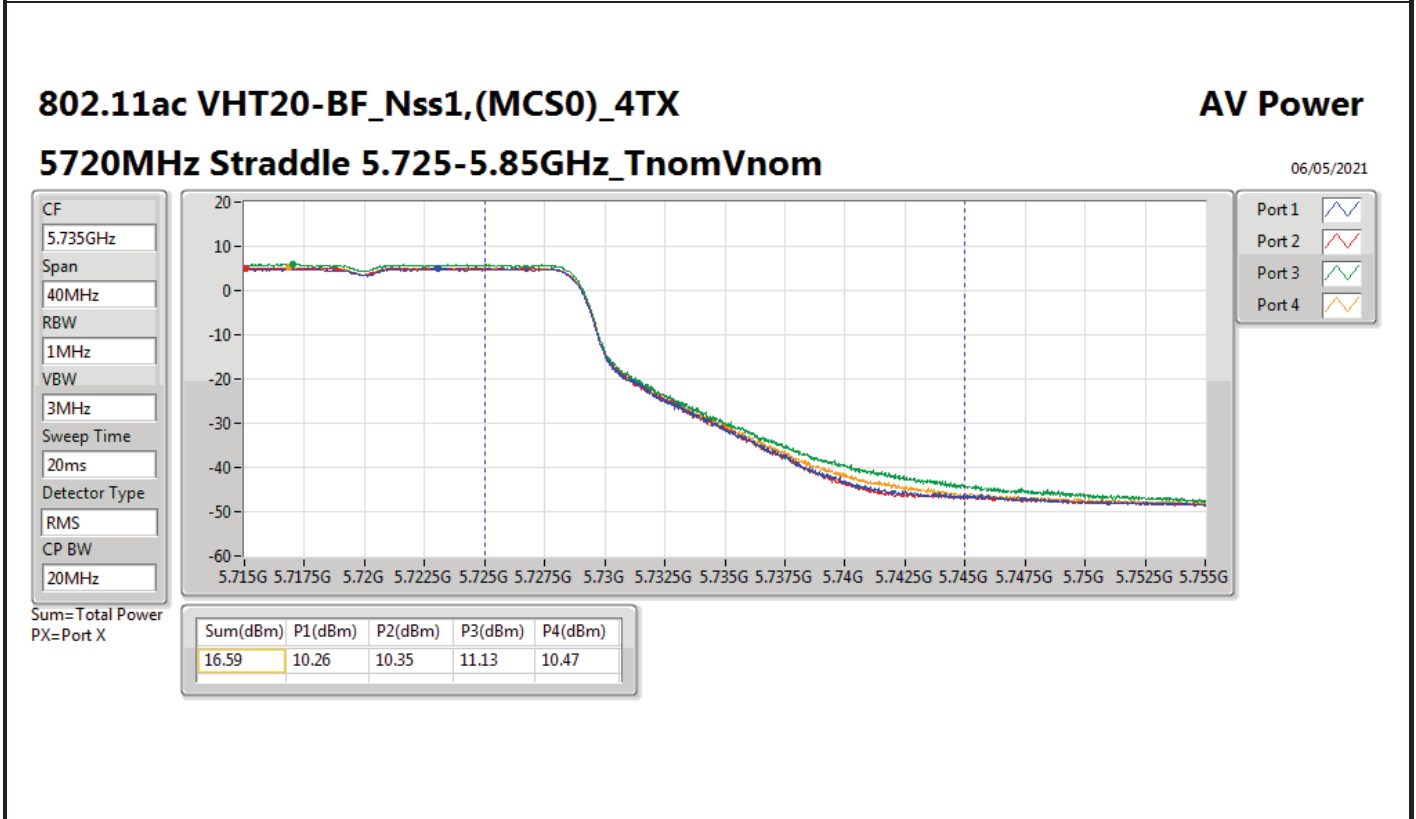
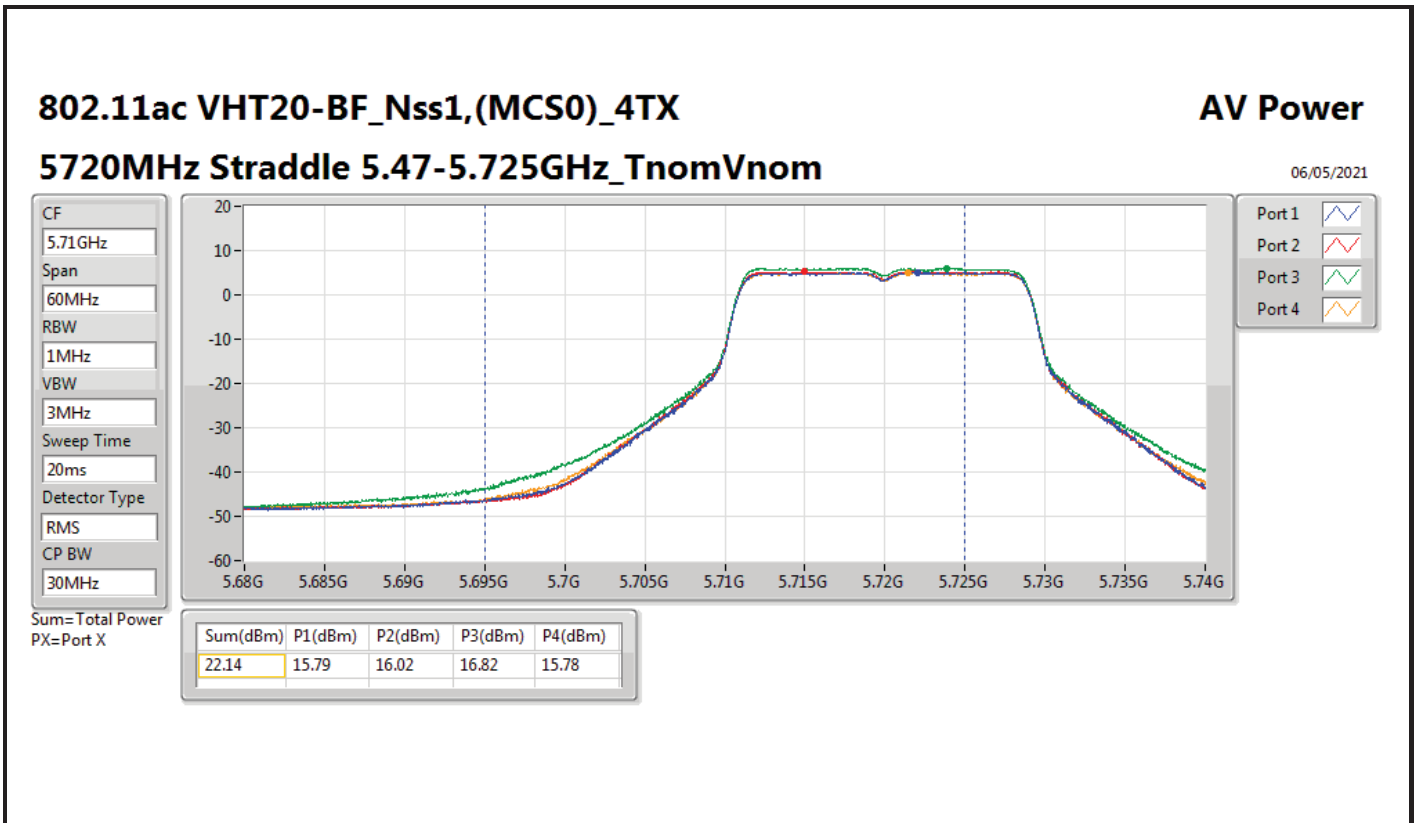


Result

| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) | EIRP (dBm) | EIRP Limit (dBm) |
|------------------------------------|--------|----------|--------------|--------------|--------------|--------------|-------------------|-------------------|------------|------------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 6.52 | 13.60 | 14.07 | 14.38 | 15.27 | 20.39 | 23.46 | 26.91 | 30.00 |
| 5300MHz | Pass | 6.52 | 14.12 | 14.24 | 14.37 | 15.29 | 20.55 | 23.46 | 27.07 | 30.00 |
| 5320MHz | Pass | 6.52 | 14.02 | 13.29 | 14.20 | 15.22 | 20.26 | 23.46 | 26.78 | 30.00 |
| 5500MHz | Pass | 6.32 | 13.84 | 15.33 | 14.17 | 15.00 | 20.65 | 23.66 | 26.97 | 30.00 |
| 5580MHz | Pass | 6.32 | 14.18 | 16.08 | 15.54 | 14.52 | 21.17 | 23.66 | 27.49 | 30.00 |
| 5700MHz | Pass | 6.32 | 9.04 | 9.35 | 10.70 | 9.74 | 15.77 | 23.66 | 22.09 | 30.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 6.32 | 15.79 | 16.02 | 16.82 | 15.78 | 22.14 | 23.02 | 28.46 | 29.34 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 6.32 | 10.26 | 10.35 | 11.13 | 10.47 | 16.59 | 29.68 | 22.91 | 36.00 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 6.52 | 17.52 | 16.73 | 15.66 | 16.71 | 22.73 | 23.46 | 29.25 | 30.00 |
| 5310MHz | Pass | 6.52 | 15.73 | 17.39 | 16.86 | 15.74 | 22.51 | 23.46 | 29.03 | 30.00 |
| 5510MHz | Pass | 6.32 | 13.65 | 15.58 | 13.60 | 13.92 | 20.29 | 23.66 | 26.61 | 30.00 |
| 5550MHz | Pass | 6.32 | 13.90 | 12.66 | 15.17 | 15.04 | 20.33 | 23.66 | 26.65 | 30.00 |
| 5670MHz | Pass | 6.32 | 16.54 | 15.99 | 17.16 | 17.75 | 22.93 | 23.66 | 29.25 | 30.00 |
| 5710MHz Straddle 5.47-5.725GHz | Pass | 6.32 | 16.05 | 16.42 | 17.74 | 17.19 | 22.92 | 23.66 | 29.24 | 30.00 |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 6.32 | 5.99 | 6.15 | 7.47 | 6.68 | 12.63 | 29.68 | 18.95 | 36.00 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 6.52 | 14.66 | 15.97 | 14.98 | 16.48 | 21.61 | 23.46 | 28.13 | 30.00 |
| 5530MHz | Pass | 6.32 | 12.46 | 12.67 | 12.95 | 13.39 | 18.90 | 23.66 | 25.22 | 30.00 |
| 5610MHz | Pass | 6.32 | 14.29 | 13.52 | 14.62 | 13.89 | 20.12 | 23.66 | 26.44 | 30.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 6.32 | 16.01 | 16.20 | 17.27 | 17.02 | 22.68 | 23.66 | 29.00 | 30.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 6.32 | 2.88 | 2.51 | 3.87 | 3.46 | 9.23 | 29.68 | 15.55 | 36.00 |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | 6.52 | 9.28 | 9.60 | 9.53 | 9.92 | 15.61 | 29.48 | 22.13 | 36.00 |
| 5250MHz Straddle 5.25-5.35GHz | Pass | 6.52 | 9.19 | 9.36 | 9.21 | 8.60 | 15.12 | 23.46 | 21.64 | 30.00 |
| 5570MHz | Pass | 6.42 | 11.88 | 12.56 | 13.22 | 12.61 | 18.61 | 23.56 | 25.03 | 30.00 |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 6.52 | 14.25 | 15.34 | 14.41 | 15.47 | 20.92 | 23.46 | 27.44 | 30.00 |
| 5300MHz | Pass | 6.52 | 14.55 | 14.48 | 13.94 | 14.70 | 20.45 | 23.46 | 26.97 | 30.00 |
| 5320MHz | Pass | 6.52 | 14.16 | 14.40 | 14.47 | 15.57 | 20.71 | 23.46 | 27.23 | 30.00 |
| 5500MHz | Pass | 6.32 | 13.97 | 13.16 | 14.48 | 13.46 | 19.82 | 23.66 | 26.14 | 30.00 |
| 5580MHz | Pass | 6.32 | 13.56 | 13.33 | 14.90 | 14.91 | 20.26 | 23.66 | 26.58 | 30.00 |
| 5700MHz | Pass | 6.32 | 13.41 | 14.12 | 14.69 | 14.40 | 20.20 | 23.66 | 26.52 | 30.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 6.32 | 15.88 | 16.12 | 16.74 | 16.05 | 22.23 | 23.12 | 28.55 | 29.44 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 6.32 | 10.80 | 10.91 | 11.53 | 10.84 | 17.05 | 29.68 | 23.37 | 36.00 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 6.52 | 15.48 | 17.17 | 16.29 | 15.34 | 22.15 | 23.46 | 28.67 | 30.00 |
| 5310MHz | Pass | 6.52 | 16.76 | 17.67 | 14.83 | 15.81 | 22.42 | 23.46 | 28.94 | 30.00 |
| 5510MHz | Pass | 6.32 | 17.50 | 16.53 | 16.22 | 17.16 | 22.90 | 23.66 | 29.22 | 30.00 |
| 5550MHz | Pass | 6.32 | 16.07 | 16.76 | 16.61 | 17.06 | 22.66 | 23.66 | 28.98 | 30.00 |
| 5670MHz | Pass | 6.32 | 17.01 | 16.85 | 17.14 | 16.60 | 22.93 | 23.66 | 29.25 | 30.00 |
| 5710MHz Straddle 5.47-5.725GHz | Pass | 6.32 | 16.07 | 16.41 | 17.57 | 17.20 | 22.87 | 23.66 | 29.19 | 30.00 |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 6.32 | 6.80 | 6.91 | 8.08 | 7.65 | 13.41 | 29.68 | 19.73 | 36.00 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 6.52 | 17.00 | 16.41 | 16.25 | 16.82 | 22.65 | 23.46 | 29.17 | 30.00 |
| 5530MHz | Pass | 6.32 | 12.39 | 13.12 | 13.59 | 12.56 | 18.96 | 23.66 | 25.28 | 30.00 |
| 5610MHz | Pass | 6.32 | 14.03 | 14.66 | 15.58 | 19.33 | 22.46 | 23.66 | 28.78 | 30.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 6.32 | 15.65 | 16.05 | 16.99 | 18.04 | 22.80 | 23.66 | 29.12 | 30.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 6.32 | 3.94 | 3.74 | 4.80 | 4.89 | 10.39 | 29.68 | 16.71 | 36.00 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | 6.52 | 11.31 | 11.82 | 11.36 | 11.81 | 17.60 | 29.48 | 24.12 | 36.00 |
| 5250MHz Straddle 5.25-5.35GHz | Pass | 6.52 | 11.12 | 11.97 | 11.25 | 11.82 | 17.58 | 23.46 | 24.10 | 30.00 |
| 5570MHz | Pass | 6.42 | 12.08 | 11.97 | 13.65 | 12.91 | 18.73 | 23.56 | 25.15 | 30.00 |



DG = Directional Gain; Port X = Port X output power





802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

06/05/2021

CF
5.69GHz

Span
140MHz

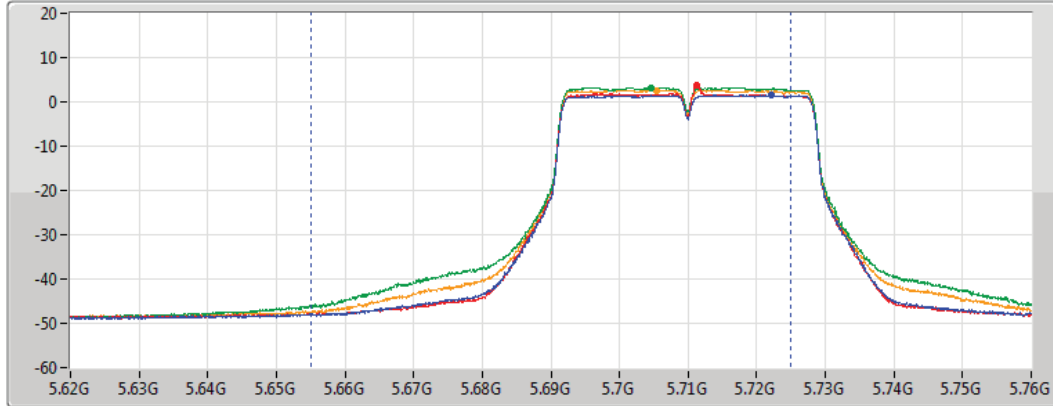
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
70MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 22.92 | 16.05 | 16.42 | 17.74 | 17.19 |

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

06/05/2021

CF
5.735GHz

Span
40MHz

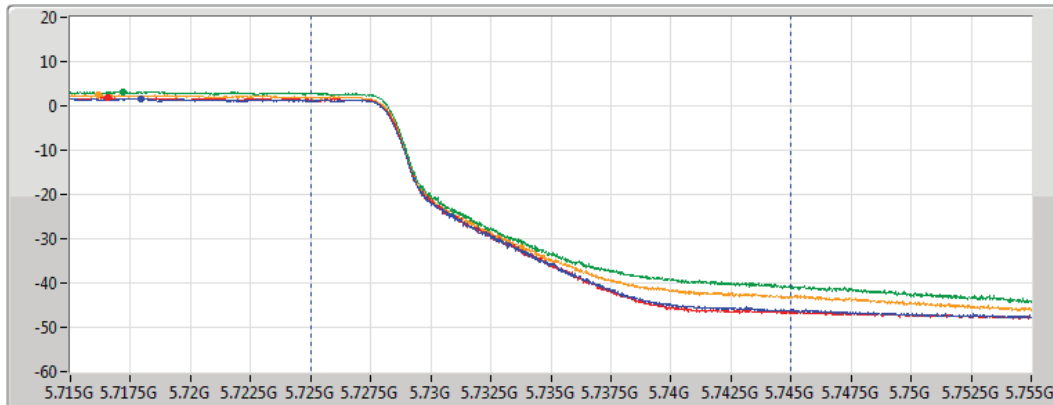
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 12.63 | 5.99 | 6.15 | 7.47 | 6.68 |



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

06/05/2021

CF
5.65GHz

Span
300MHz

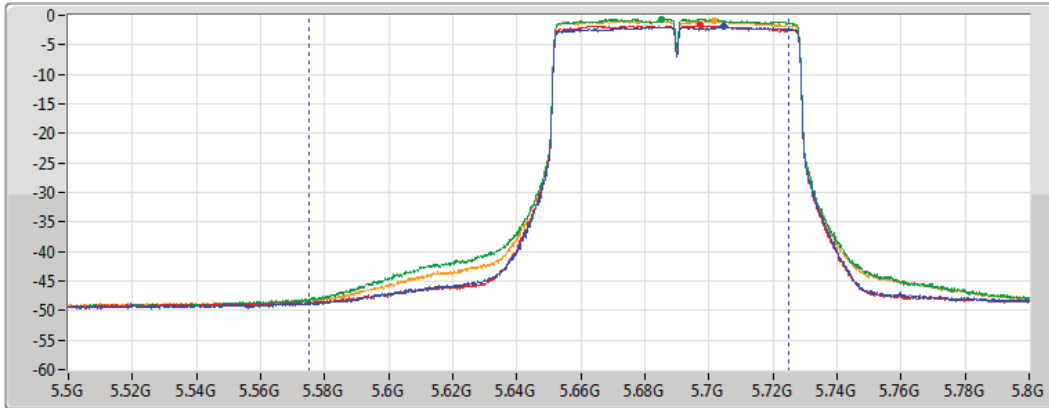
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
150MHz



Port 1

Port 2

Port 3

Port 4

Sum=Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 22.68 | 16.01 | 16.20 | 17.27 | 17.02 |

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

06/05/2021

CF
5.735GHz

Span
40MHz

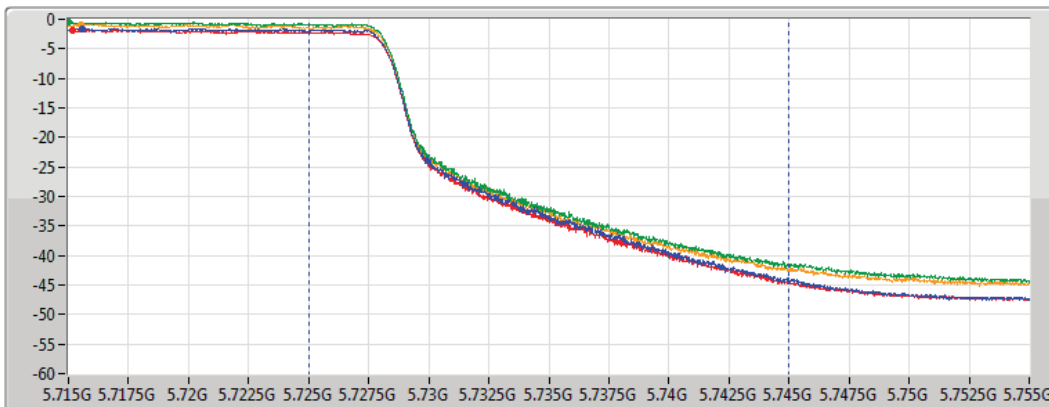
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

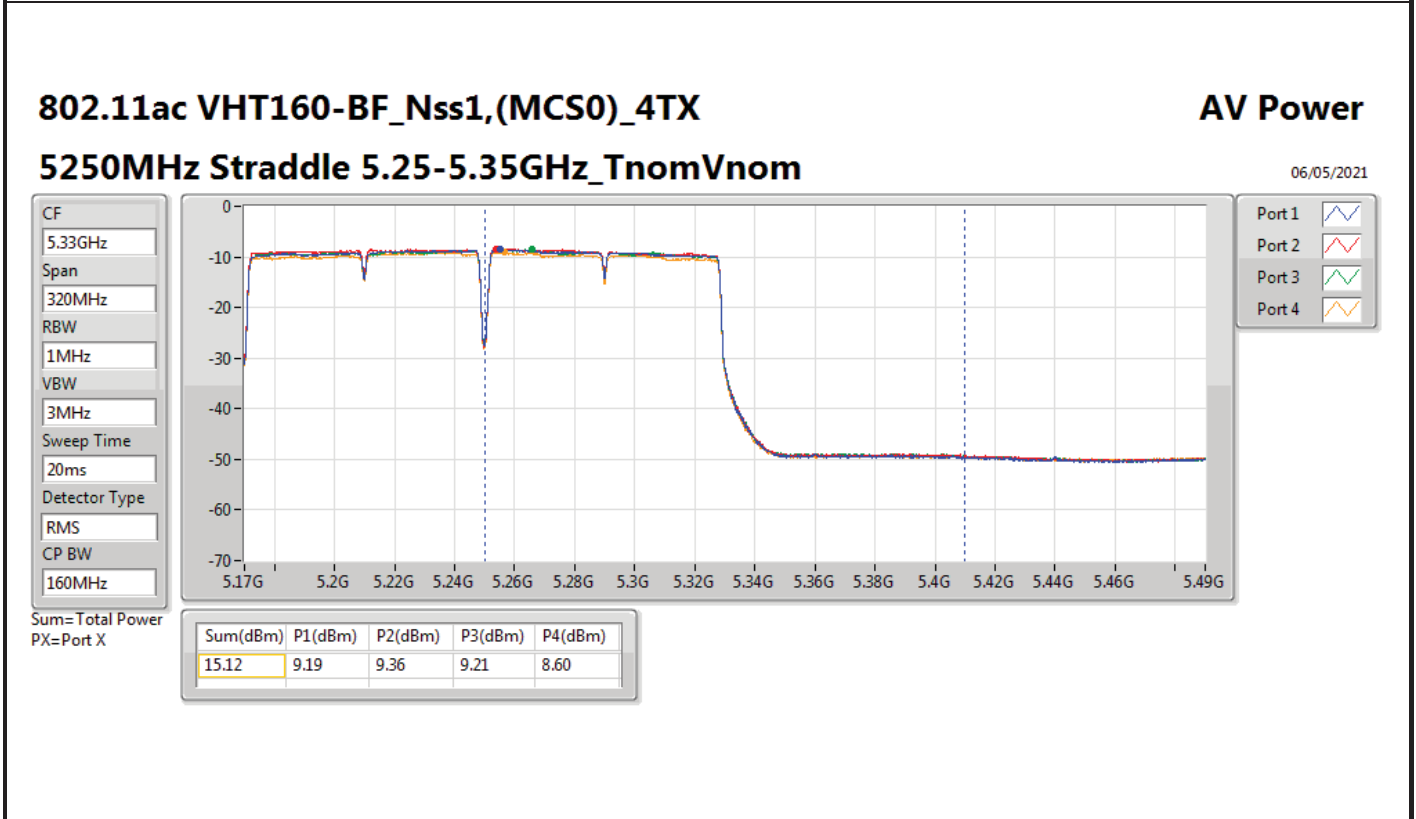
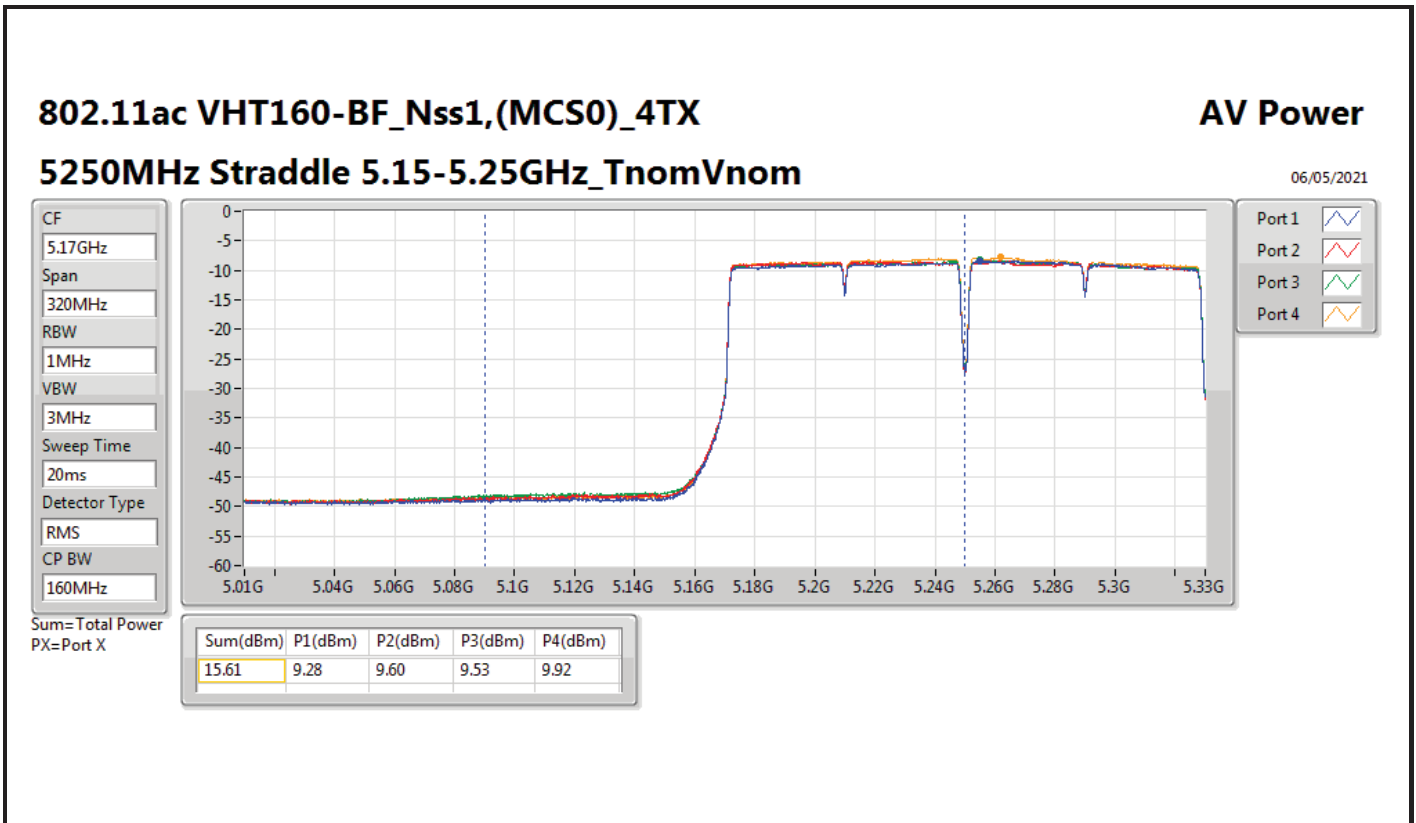
Port 2

Port 3

Port 4

Sum=Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 9.23 | 2.88 | 2.51 | 3.87 | 3.46 |





802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

05/05/2021

CF
5.71GHz

Span
60MHz

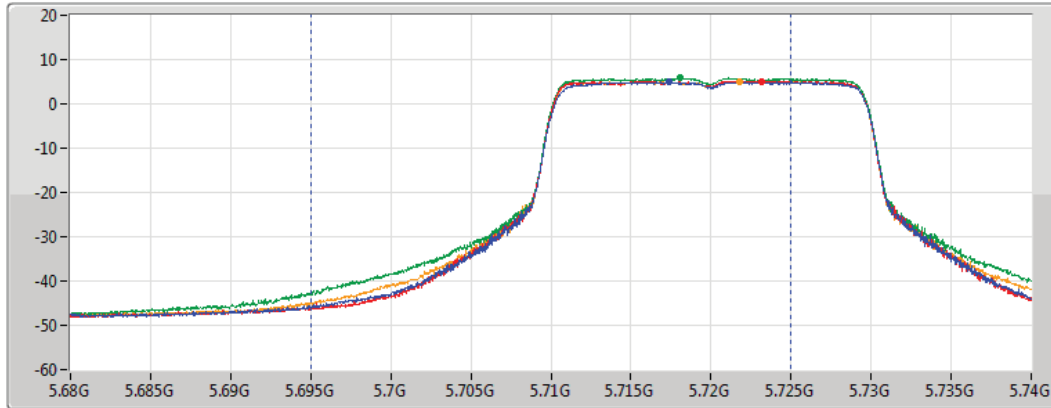
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
30MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 22.23 | 15.88 | 16.12 | 16.74 | 16.05 |

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

05/05/2021

CF
5.735GHz

Span
40MHz

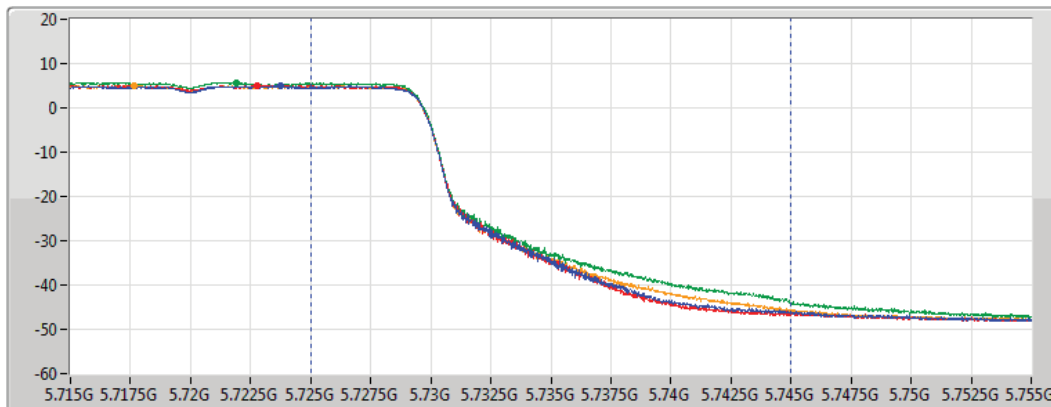
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 17.05 | 10.80 | 10.91 | 11.53 | 10.84 |



802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

05/05/2021

CF
5.69GHz

Span
140MHz

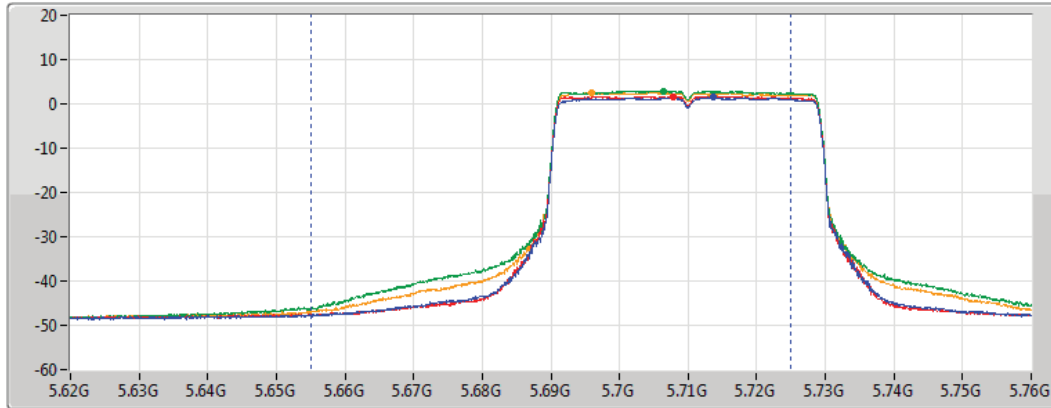
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
70MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 22.87 | 16.07 | 16.41 | 17.57 | 17.20 |

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

05/05/2021

CF
5.735GHz

Span
40MHz

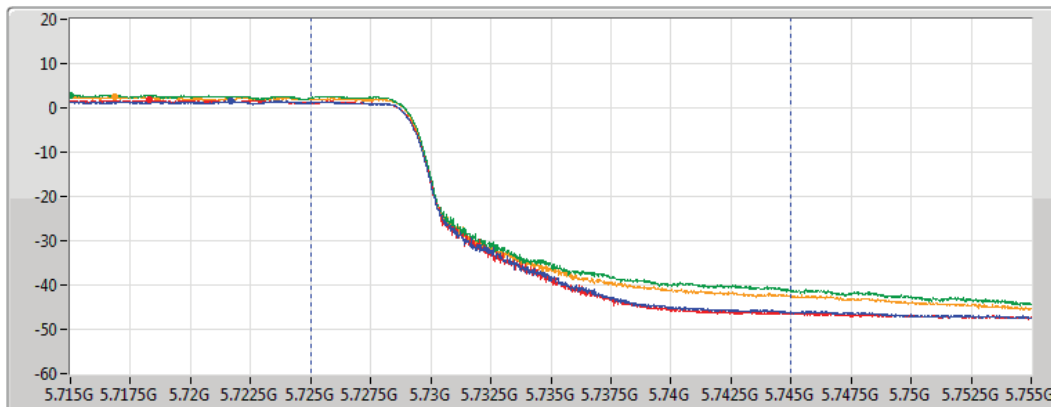
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 13.41 | 6.80 | 6.91 | 8.08 | 7.65 |



802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

05/05/2021

CF
5.65GHz

Span
300MHz

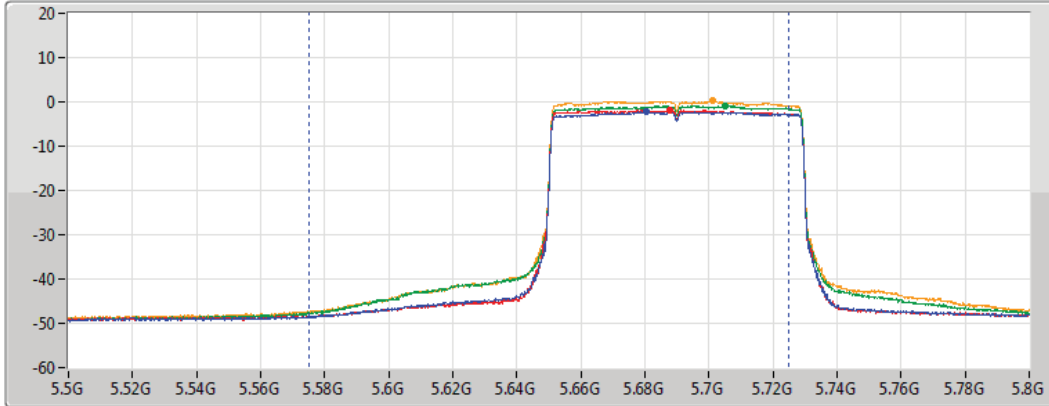
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
150MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 22.80 | 15.65 | 16.05 | 16.99 | 18.04 |

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

05/05/2021

CF
5.735GHz

Span
40MHz

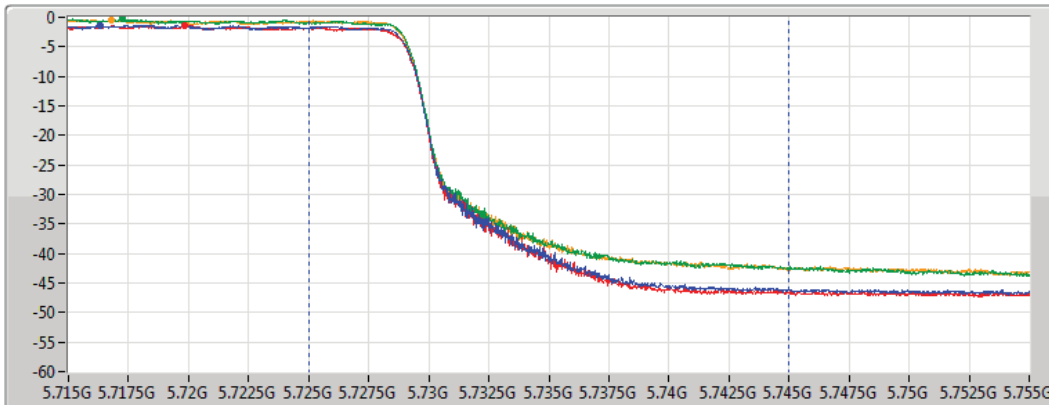
RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz



Port 1

Port 2

Port 3

Port 4

Sum= Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 10.39 | 3.94 | 3.74 | 4.80 | 4.89 |



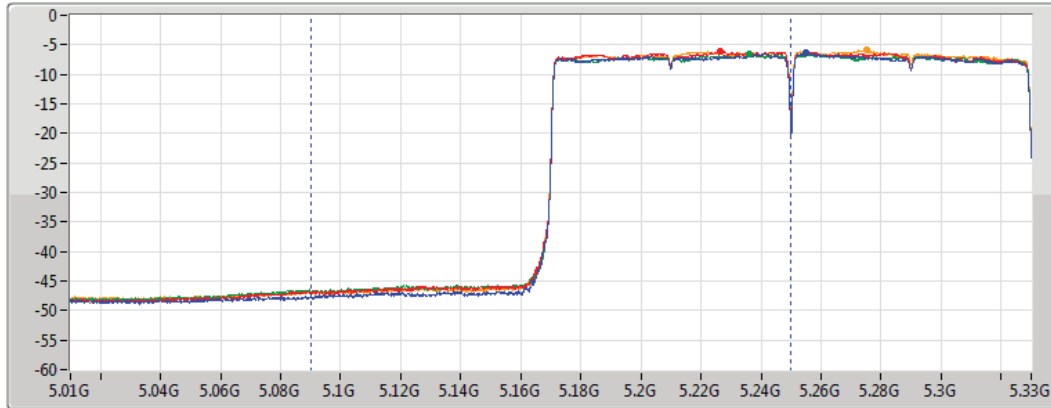
802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

05/05/2021

CF
5.17GHz
Span
320MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
160MHz



Port 1
Port 2
Port 3
Port 4

Sum=Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 17.60 | 11.31 | 11.82 | 11.36 | 11.81 |

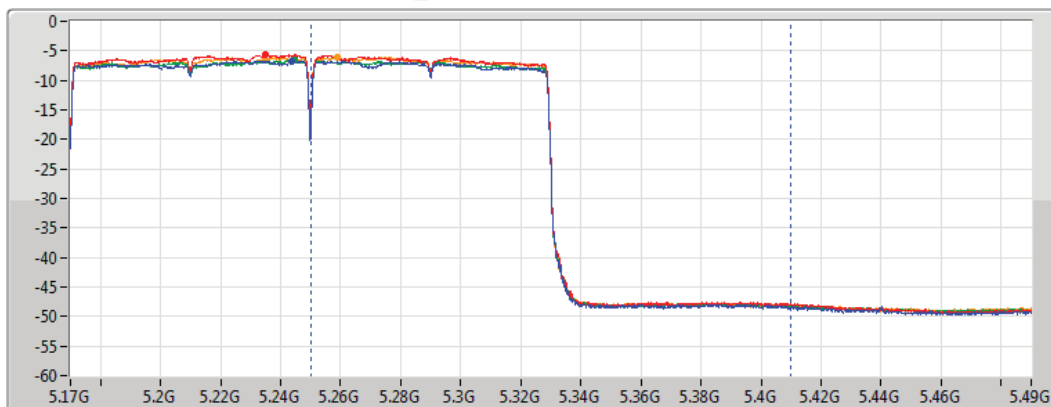
802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

05/05/2021

CF
5.33GHz
Span
320MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
160MHz



Port 1
Port 2
Port 3
Port 4

Sum=Total Power
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 17.58 | 11.12 | 11.97 | 11.25 | 11.82 |



Summary

| Mode | PD (dBm/RBW) | EIRP PD (dBm/RBW) |
|---------------------------------|-----------------|----------------------|
| 5.15-5.25GHz | - | - |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | -4.98 | 1.54 |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | -5.63 | 0.89 |
| 5.25-5.35GHz | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 10.22 | 16.74 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 10.24 | 16.76 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 7.37 | 13.89 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 1.75 | 8.27 |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | -5.02 | 1.50 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 9.35 | 15.87 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 6.5 | 13.02 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -0.17 | 6.35 |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | -5.63 | 0.89 |
| 5.47-5.725GHz | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 10.40 | 16.72 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 10.51 | 16.83 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 7.7 | 14.02 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 4.22 | 10.54 |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | -4.28 | 2.14 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 10.52 | 16.84 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 7.51 | 13.83 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 4.35 | 10.67 |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | -5.08 | 1.34 |
| 5.725-5.85GHz | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 8.76 | 15.08 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 8.84 | 15.16 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 5.89 | 12.21 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 2.08 | 8.40 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 9.01 | 15.33 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 5.78 | 12.10 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 2.34 | 8.66 |

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;



Result

| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | Port 3 (dBm/RBW) | Port 4 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) | EIRP PD (dBm/RBW) | EIRP PD Limit (dBm/RBW) |
|---------------------------------|--------|----------|------------------|------------------|------------------|------------------|--------------|--------------------|-------------------|-------------------------|
| 802.11a_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 6.52 | 3.87 | 5.47 | 3.54 | 4.06 | 10.22 | 10.48 | 16.74 | 17.00 |
| 5300MHz | Pass | 6.52 | 3.91 | 5.28 | 3.43 | 4.09 | 10.16 | 10.48 | 16.68 | 17.00 |
| 5320MHz | Pass | 6.52 | 3.81 | 5.43 | 3.4 | 4.01 | 10.17 | 10.48 | 16.69 | 17.00 |
| 5500MHz | Pass | 6.32 | 2.87 | 4.56 | 2.95 | 2.46 | 9.25 | 10.68 | 15.57 | 17.00 |
| 5580MHz | Pass | 6.32 | 3.61 | 5.89 | 3.44 | 3.68 | 10.23 | 10.68 | 16.55 | 17.00 |
| 5700MHz | Pass | 6.32 | 1.6 | 3.16 | 1.91 | 1.99 | 8.05 | 10.68 | 14.37 | 17.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 6.32 | 4.64 | 5.13 | 3.98 | 4.17 | 10.40 | 10.68 | 16.72 | 17.00 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 6.32 | 3.04 | 3.74 | 2.22 | 1.94 | 8.76 | 29.68 | 15.08 | 36.00 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 6.52 | 4.13 | 4.88 | 4.06 | 4.21 | 10.24 | 10.48 | 16.76 | 17.00 |
| 5300MHz | Pass | 6.52 | 3.8 | 4.97 | 3.93 | 4.24 | 10.17 | 10.48 | 16.69 | 17.00 |
| 5320MHz | Pass | 6.52 | 3.49 | 4.99 | 3.7 | 4.56 | 10.11 | 10.48 | 16.63 | 17.00 |
| 5500MHz | Pass | 6.32 | 2.37 | 3.48 | 3.05 | 2.45 | 8.78 | 10.68 | 15.10 | 17.00 |
| 5580MHz | Pass | 6.32 | 4.58 | 5.09 | 4.33 | 4.2 | 10.48 | 10.68 | 16.80 | 17.00 |
| 5700MHz | Pass | 6.32 | 2.47 | 3.55 | 2.26 | 2.57 | 8.54 | 10.68 | 14.86 | 17.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 6.32 | 4.52 | 5.65 | 3.54 | 4.74 | 10.51 | 10.68 | 16.83 | 17.00 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 6.32 | 2.45 | 3.6 | 2.4 | 2.93 | 8.84 | 29.68 | 15.16 | 36.00 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 6.52 | 1.07 | 1.86 | 1.39 | 1.44 | 7.37 | 10.48 | 13.89 | 17.00 |
| 5310MHz | Pass | 6.52 | -1.21 | -0.12 | -0.58 | -0.27 | 5.36 | 10.48 | 11.88 | 17.00 |
| 5510MHz | Pass | 6.32 | -0.4 | 0.69 | 0.2 | -0.68 | 5.92 | 10.68 | 12.24 | 17.00 |
| 5550MHz | Pass | 6.32 | 1.16 | 1.99 | 1.15 | 0.6 | 7.16 | 10.68 | 13.48 | 17.00 |
| 5670MHz | Pass | 6.32 | 0.74 | 1.52 | 0.34 | 0.68 | 6.73 | 10.68 | 13.05 | 17.00 |
| 5710MHz Straddle 5.47-5.725GHz | Pass | 6.32 | 1.64 | 2.57 | 1.4 | 1.71 | 7.70 | 10.68 | 14.02 | 17.00 |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 6.32 | -0.33 | 0.68 | -0.68 | -0.03 | 5.89 | 29.68 | 12.21 | 36.00 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 6.52 | -4.72 | -3.66 | -4.13 | -4.07 | 1.75 | 10.48 | 8.27 | 17.00 |
| 5530MHz | Pass | 6.32 | -6.75 | -4.96 | -5.57 | -6.58 | -0.02 | 10.68 | 6.30 | 17.00 |
| 5610MHz | Pass | 6.32 | -2.22 | -0.68 | -1.77 | -2.42 | 4.18 | 10.68 | 10.50 | 17.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 6.32 | -1.9 | -0.6 | -2.27 | -2.24 | 4.22 | 10.68 | 10.54 | 17.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 6.32 | -4.05 | -2.51 | -4.87 | -4.11 | 2.08 | 29.68 | 8.40 | 36.00 |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | 6.52 | -11.64 | -10.23 | -10.95 | -10.92 | -4.98 | 16.48 | 1.54 | 23.00 |
| 5250MHz Straddle 5.25-5.35GHz | Pass | 6.52 | -11.6 | -10.25 | -10.75 | -11.06 | -5.02 | 10.48 | 1.50 | 17.00 |
| 5570MHz | Pass | 6.42 | -10.61 | -9.23 | -10.06 | -10.73 | -4.28 | 10.58 | 2.14 | 17.00 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 6.52 | 3.05 | 4.47 | 2.57 | 3.04 | 9.24 | 10.48 | 15.76 | 17.00 |
| 5300MHz | Pass | 6.52 | 3.05 | 4.43 | 2.57 | 3.19 | 9.26 | 10.48 | 15.78 | 17.00 |
| 5320MHz | Pass | 6.52 | 3.05 | 4.65 | 2.55 | 3.28 | 9.35 | 10.48 | 15.87 | 17.00 |
| 5500MHz | Pass | 6.32 | 1.81 | 3.26 | 1.76 | 1.14 | 8.02 | 10.68 | 14.34 | 17.00 |
| 5580MHz | Pass | 6.32 | 2.41 | 5.08 | 2.72 | 2.5 | 9.29 | 10.68 | 15.61 | 17.00 |
| 5700MHz | Pass | 6.32 | 1.42 | 2.95 | 1.69 | 1.78 | 7.86 | 10.68 | 14.18 | 17.00 |
| 5720MHz Straddle 5.47-5.725GHz | Pass | 6.32 | 4.54 | 5.3 | 4.43 | 4.34 | 10.52 | 10.68 | 16.84 | 17.00 |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 6.32 | 2.84 | 3.83 | 2.88 | 2.47 | 9.01 | 29.68 | 15.33 | 36.00 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 6.52 | 0.02 | 1.87 | -0.15 | 0.18 | 6.50 | 10.48 | 13.02 | 17.00 |
| 5310MHz | Pass | 6.52 | -1.69 | -0.08 | -2.25 | -1.95 | 4.50 | 10.48 | 11.02 | 17.00 |
| 5510MHz | Pass | 6.32 | -1.67 | 0.04 | -1.44 | -2.02 | 4.76 | 10.68 | 11.08 | 17.00 |
| 5550MHz | Pass | 6.32 | -0.18 | 1.84 | 0.22 | -0.24 | 6.45 | 10.68 | 12.77 | 17.00 |
| 5670MHz | Pass | 6.32 | 0.5 | 1.61 | 0.14 | 0.46 | 6.62 | 10.68 | 12.94 | 17.00 |
| 5710MHz Straddle 5.47-5.725GHz | Pass | 6.32 | 1.28 | 2.62 | 0.94 | 1.6 | 7.51 | 10.68 | 13.83 | 17.00 |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 6.32 | -0.5 | 0.51 | -0.73 | -0.15 | 5.78 | 29.68 | 12.10 | 36.00 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 6.52 | -6.19 | -5.09 | -6.84 | -6.45 | -0.17 | 10.48 | 6.35 | 17.00 |



| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | Port 3 (dBm/RBW) | Port 4 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) | EIRP PD (dBm/RBW) | EIRP PD Limit (dBm/RBW) |
|---------------------------------|--------|----------|------------------|------------------|------------------|------------------|--------------|--------------------|-------------------|-------------------------|
| 5530MHz | Pass | 6.32 | -7.98 | -5.75 | -7.5 | -8.23 | -1.34 | 10.68 | 4.98 | 17.00 |
| 5610MHz | Pass | 6.32 | -3.1 | -1.16 | -2.91 | -3.1 | 3.45 | 10.68 | 9.77 | 17.00 |
| 5690MHz Straddle 5.47-5.725GHz | Pass | 6.32 | -2.22 | -0.76 | -1.62 | -1.62 | 4.35 | 10.68 | 10.67 | 17.00 |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 6.32 | -4.29 | -3.21 | -3.46 | -3.61 | 2.34 | 29.68 | 8.66 | 36.00 |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5250MHz Straddle 5.15-5.25GHz | Pass | 6.52 | -12.11 | -10.36 | -11.66 | -12 | -5.63 | 16.48 | 0.89 | 23.00 |
| 5250MHz Straddle 5.25-5.35GHz | Pass | 6.52 | -12.02 | -10.52 | -11.86 | -12.05 | -5.63 | 10.48 | 0.89 | 17.00 |
| 5570MHz | Pass | 6.42 | -11.76 | -9.67 | -11.27 | -11.47 | -5.08 | 10.58 | 1.34 | 17.00 |

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

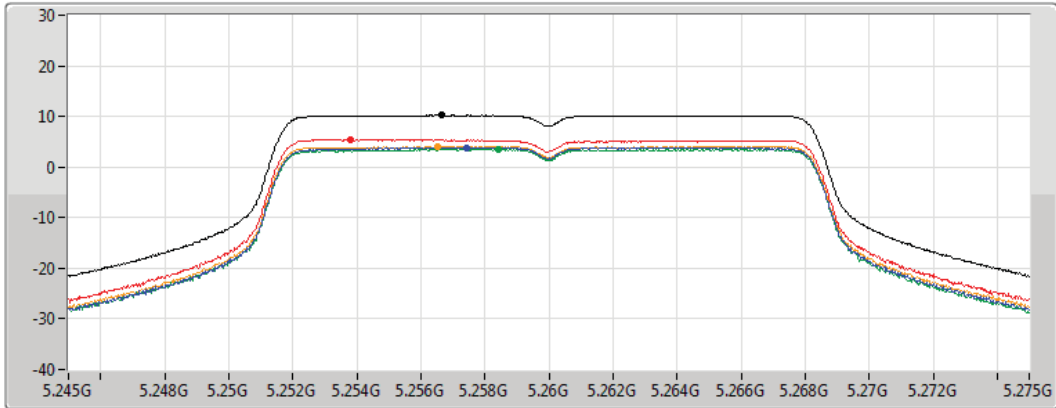
802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

09/12/2020

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.22 | 10.22 | 3.87 | 5.47 | 3.54 | 4.06 |

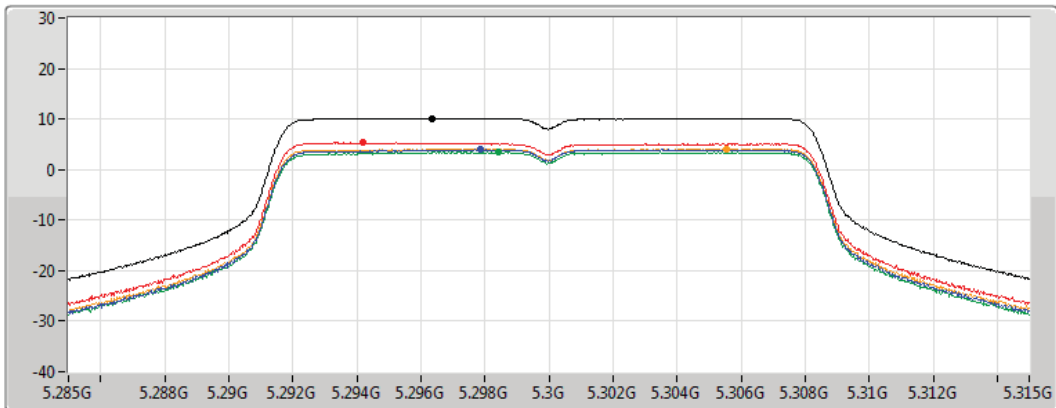
802.11a_Nss1,(6Mbps)_4TX

PSD

5300MHz

09/12/2020

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.16 | 10.16 | 3.91 | 5.28 | 3.43 | 4.09 |

802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

09/12/2020

CF
5.32GHz

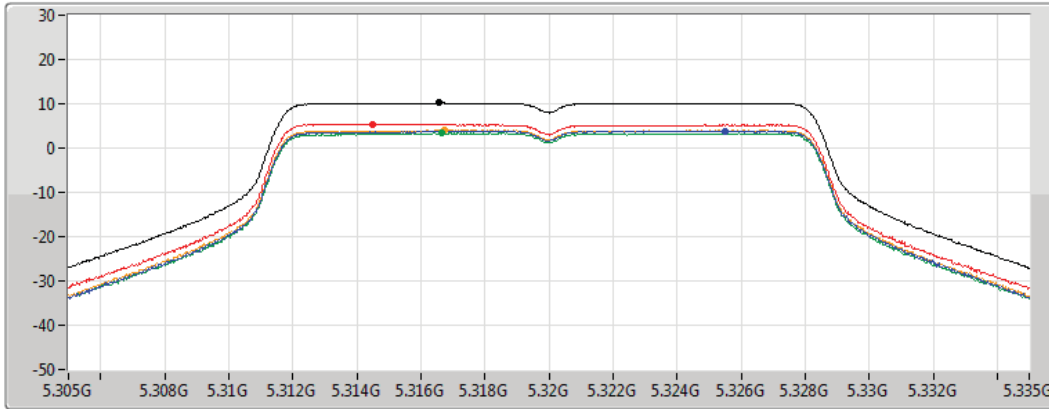
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.17 | 10.17 | 3.81 | 5.43 | 3.40 | 4.01 |

802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

09/12/2020

CF
5.5GHz

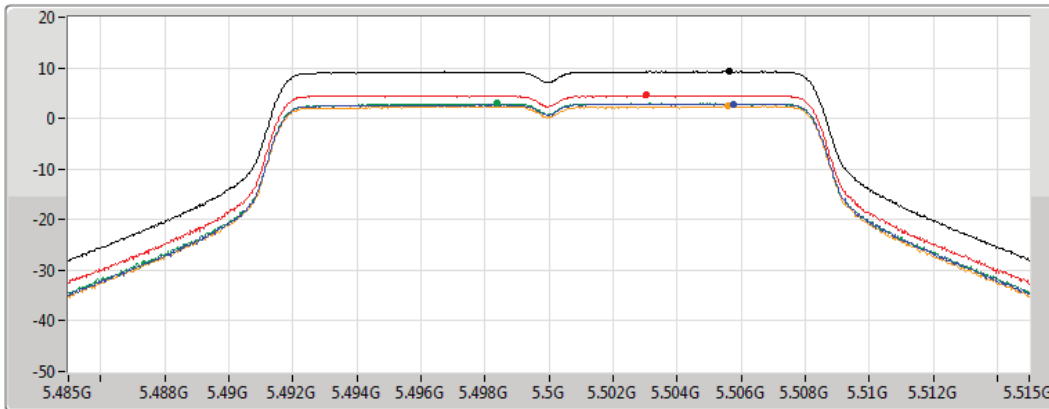
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.25 | 9.25 | 2.87 | 4.56 | 2.95 | 2.46 |

802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

09/12/2020

CF
5.58GHz

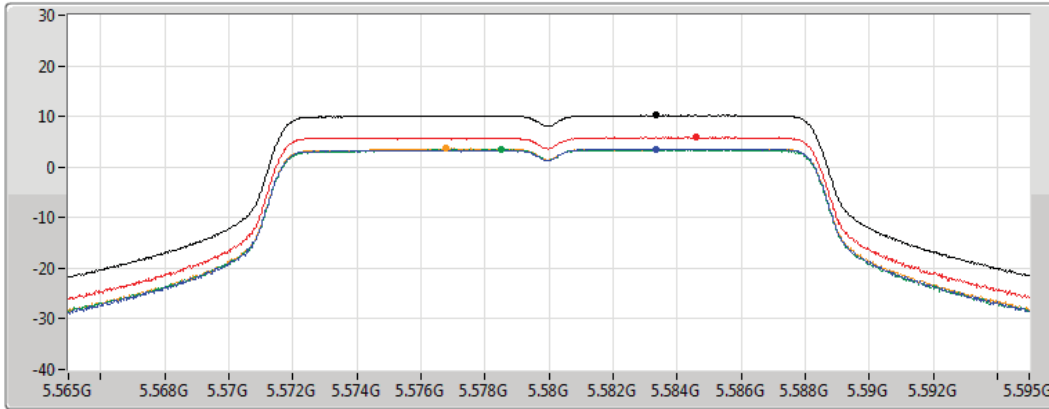
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.23 | 10.23 | 3.61 | 5.89 | 3.44 | 3.68 |

802.11a_Nss1,(6Mbps)_4TX

PSD

5700MHz

09/12/2020

CF
5.7GHz

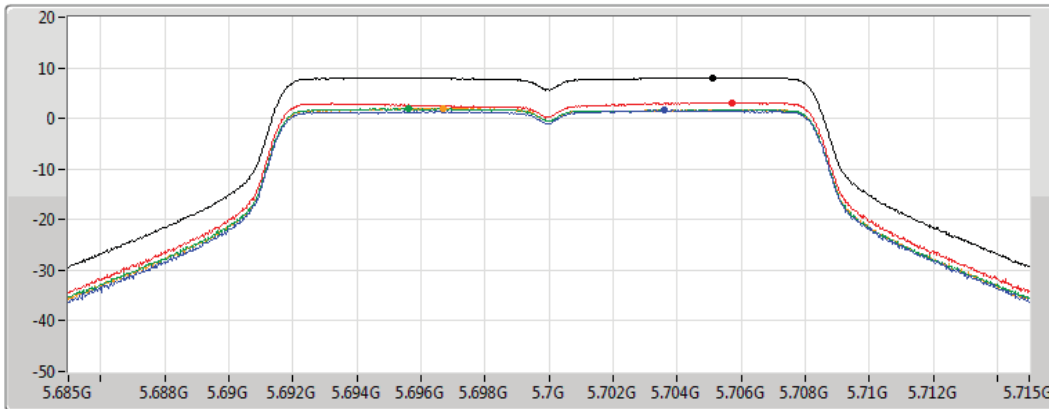
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

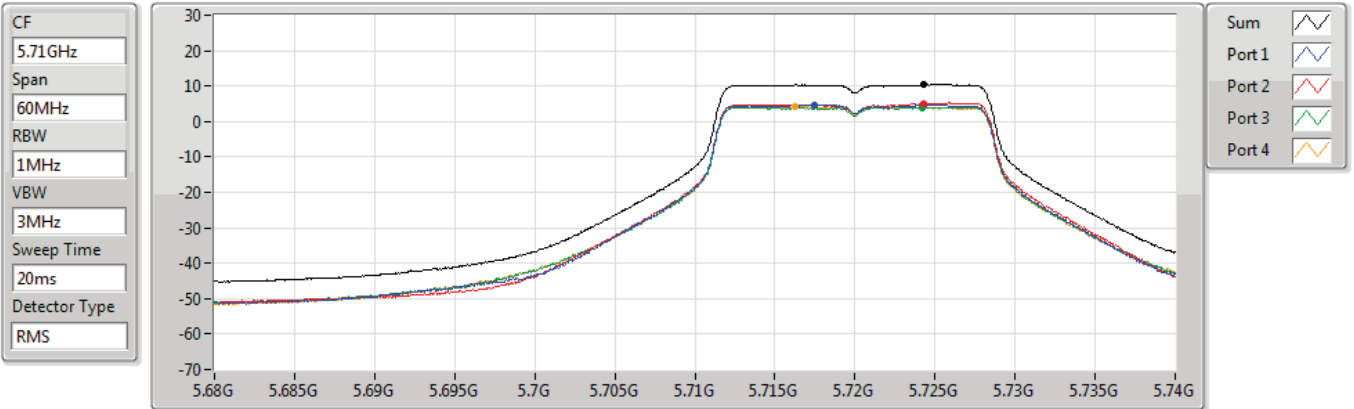
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.05 | 8.05 | 1.60 | 3.16 | 1.91 | 1.99 |

802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

18/06/2021



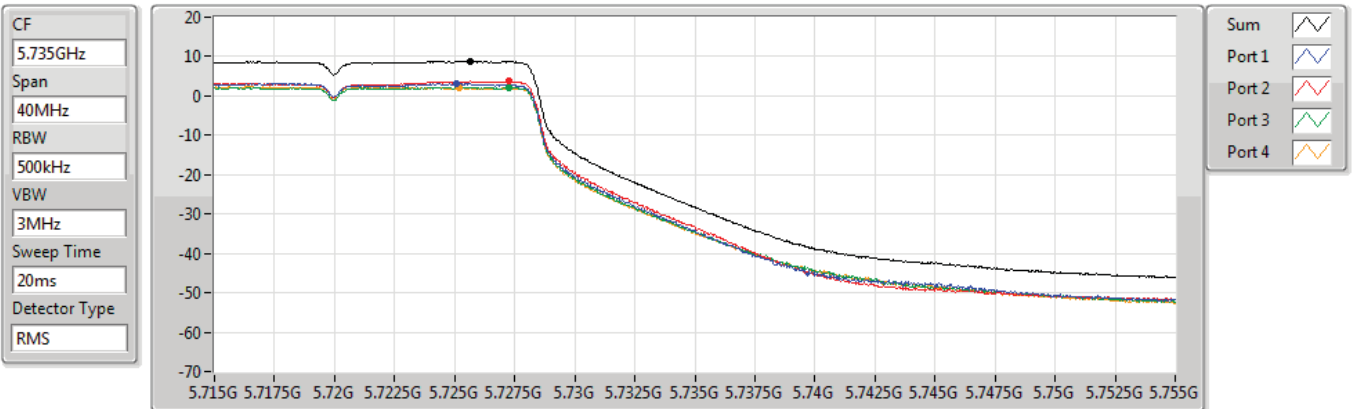
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.40 | 10.40 | 4.64 | 5.13 | 3.98 | 4.17 |

802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

18/06/2021



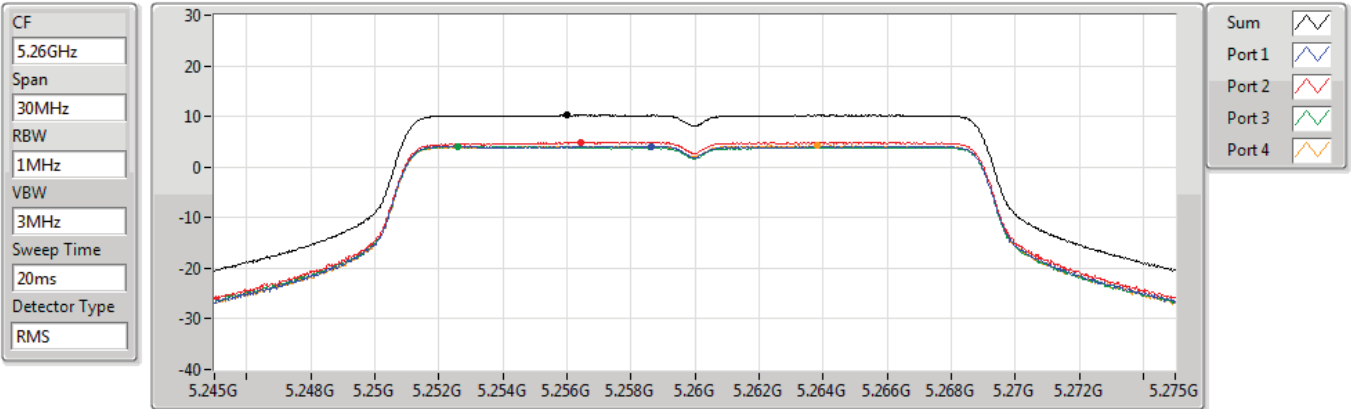
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.76 | 8.76 | 3.04 | 3.74 | 2.22 | 1.94 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5260MHz

15/12/2020



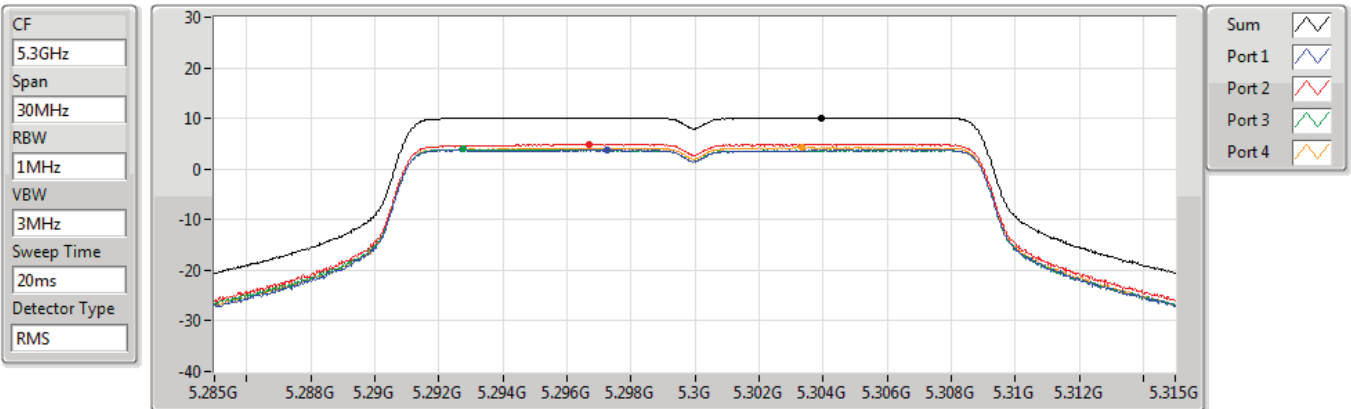
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.24 | 10.24 | 4.13 | 4.88 | 4.06 | 4.21 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5300MHz

15/12/2020



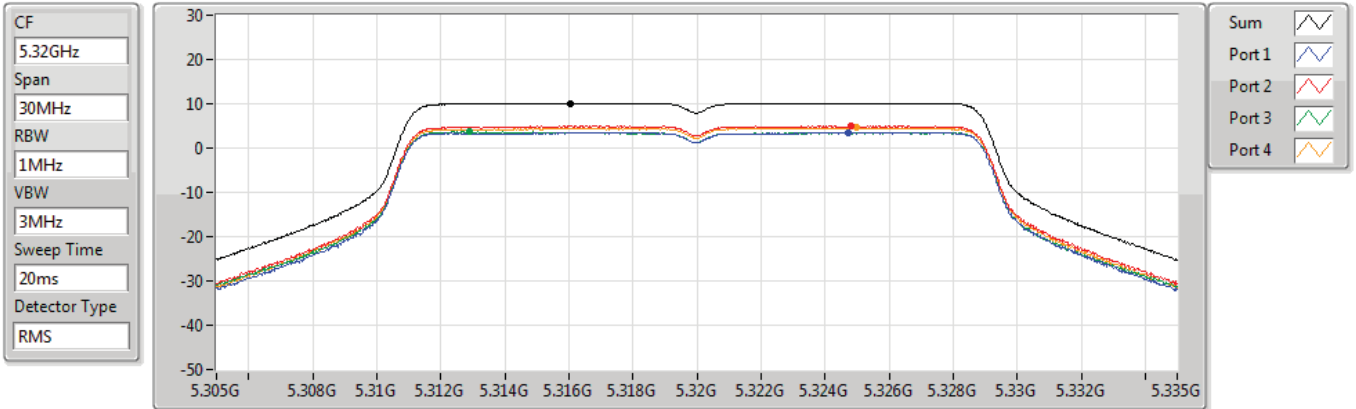
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.17 | 10.17 | 3.80 | 4.97 | 3.93 | 4.24 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5320MHz

15/12/2020



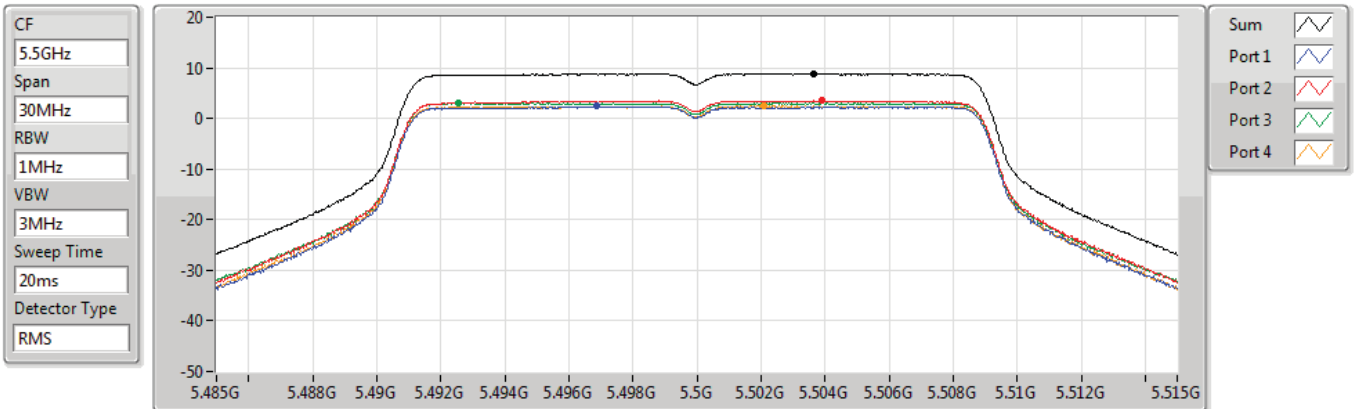
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.11 | 10.11 | 3.49 | 4.99 | 3.70 | 4.56 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5500MHz

15/12/2020



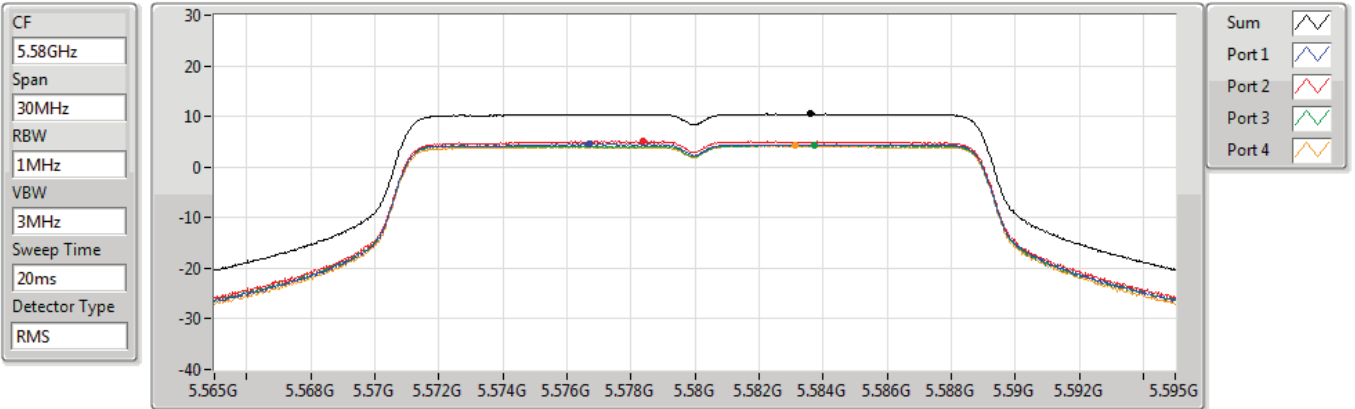
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.78 | 8.78 | 2.37 | 3.48 | 3.05 | 2.45 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5580MHz

16/12/2020



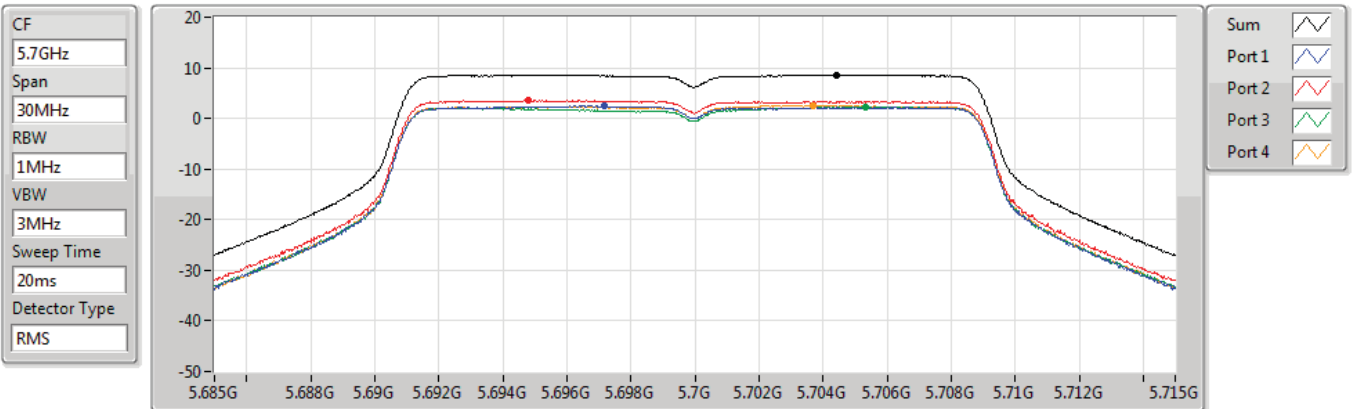
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.48 | 10.48 | 4.58 | 5.09 | 4.33 | 4.20 |

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5700MHz

16/12/2020



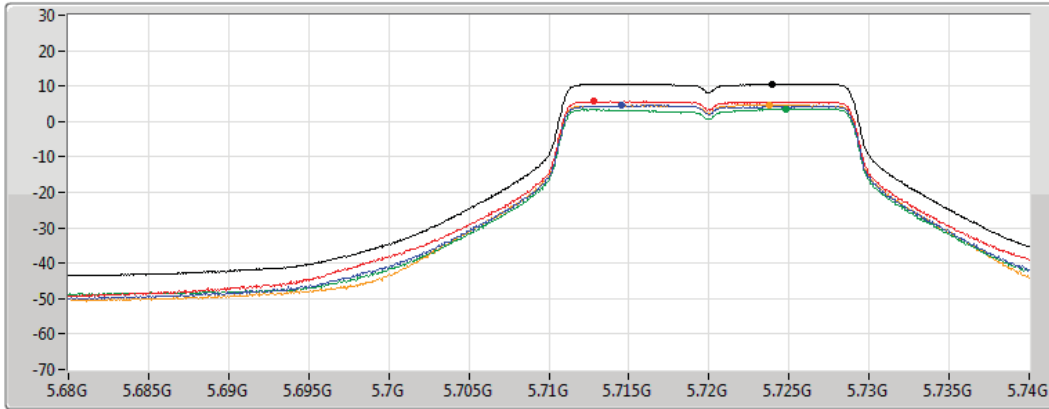
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.54 | 8.54 | 2.47 | 3.55 | 2.26 | 2.57 |

802.11ac VHT20_Nss1,(MCS0)_4TX
5720MHz Straddle 5.47-5.725GHz

PSD

16/12/2020

CF
 5.71GHz
 Span
 60MHz
 RBW
 1MHz
 VBW
 3MHz
 Sweep Time
 20ms
 Detector Type
 RMS



Sum
 Port 1
 Port 2
 Port 3
 Port 4

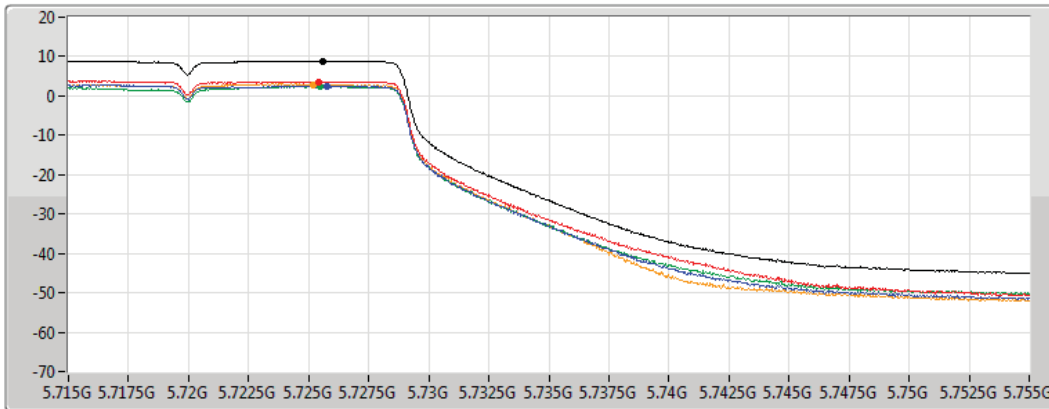
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.51 | 10.51 | 4.52 | 5.65 | 3.54 | 4.74 |

802.11ac VHT20_Nss1,(MCS0)_4TX
5720MHz Straddle 5.725-5.85GHz

PSD

16/12/2020

CF
 5.735GHz
 Span
 40MHz
 RBW
 500kHz
 VBW
 3MHz
 Sweep Time
 20ms
 Detector Type
 RMS



Sum
 Port 1
 Port 2
 Port 3
 Port 4

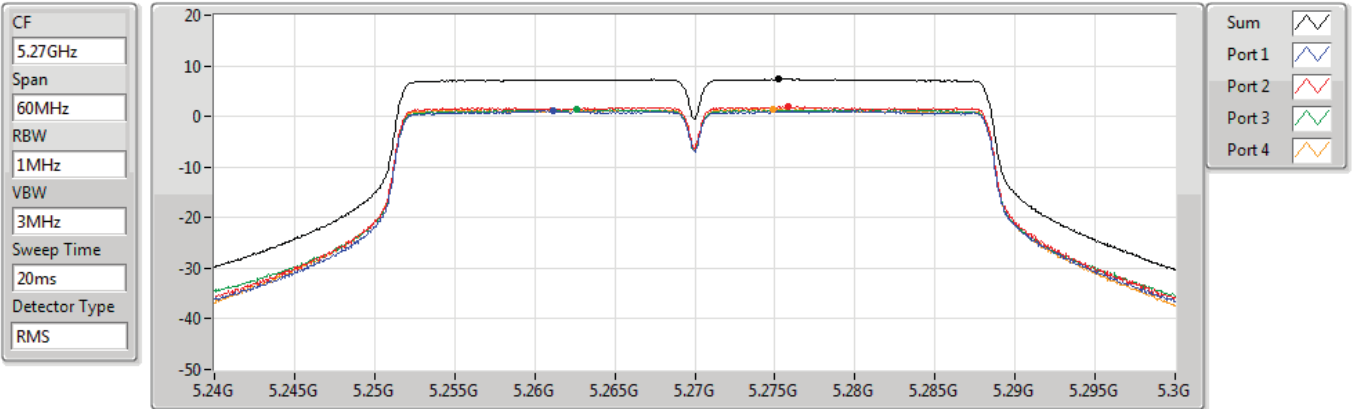
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.84 | 8.84 | 2.45 | 3.60 | 2.40 | 2.93 |

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5270MHz

16/12/2020



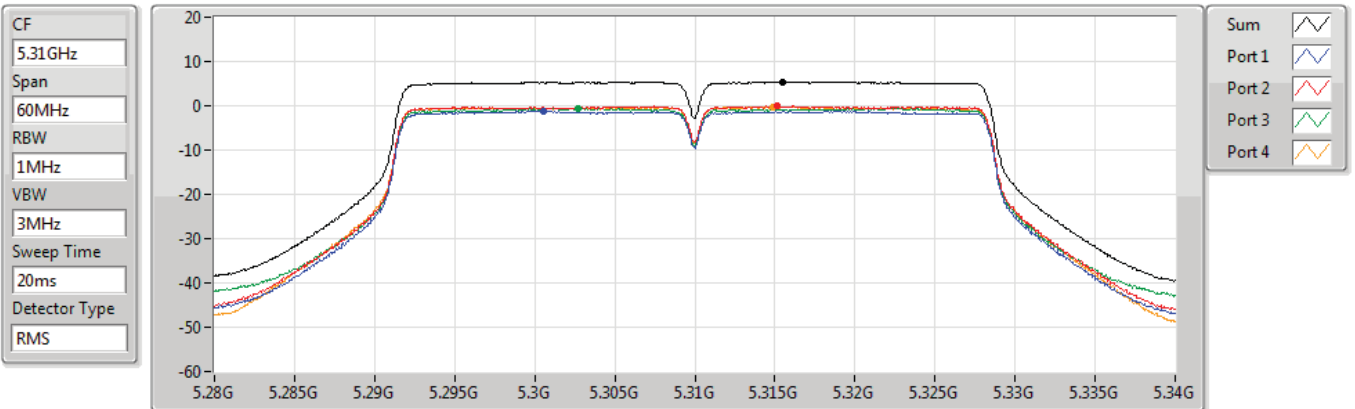
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.37 | 7.37 | 1.07 | 1.86 | 1.39 | 1.44 |

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5310MHz

16/12/2020



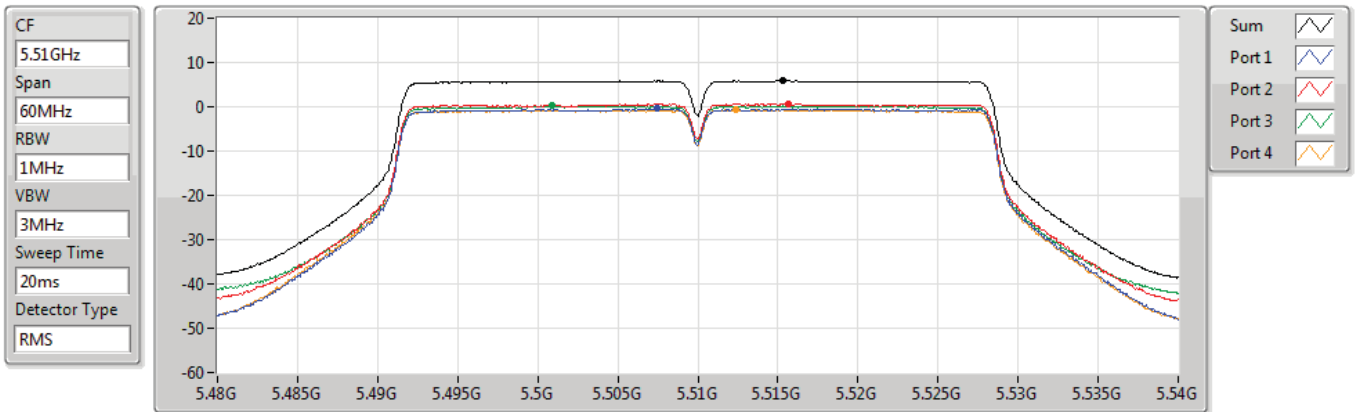
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.36 | 5.36 | -1.21 | -0.12 | -0.58 | -0.27 |

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5510MHz

16/12/2020



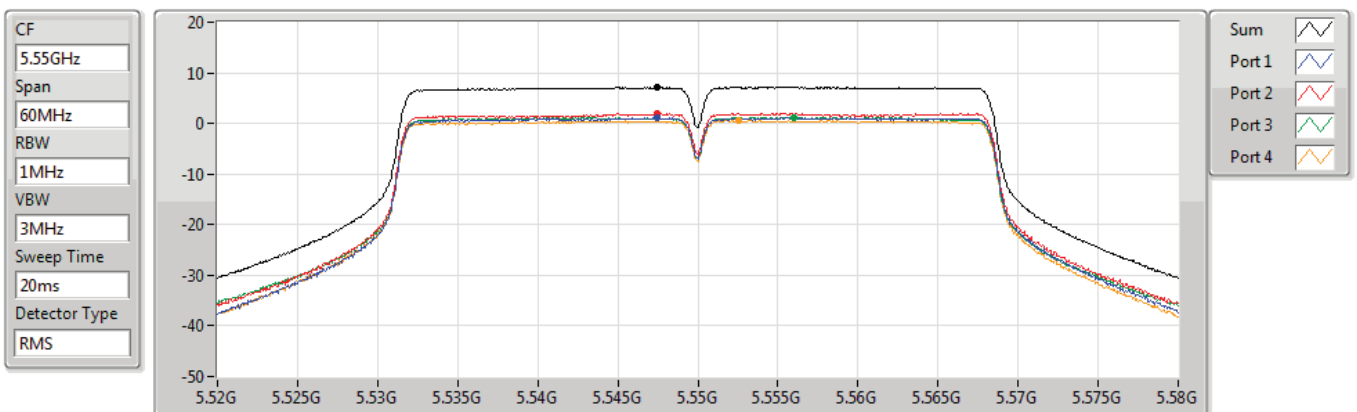
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.92 | 5.92 | -0.40 | 0.69 | 0.20 | -0.68 |

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5550MHz

16/12/2020



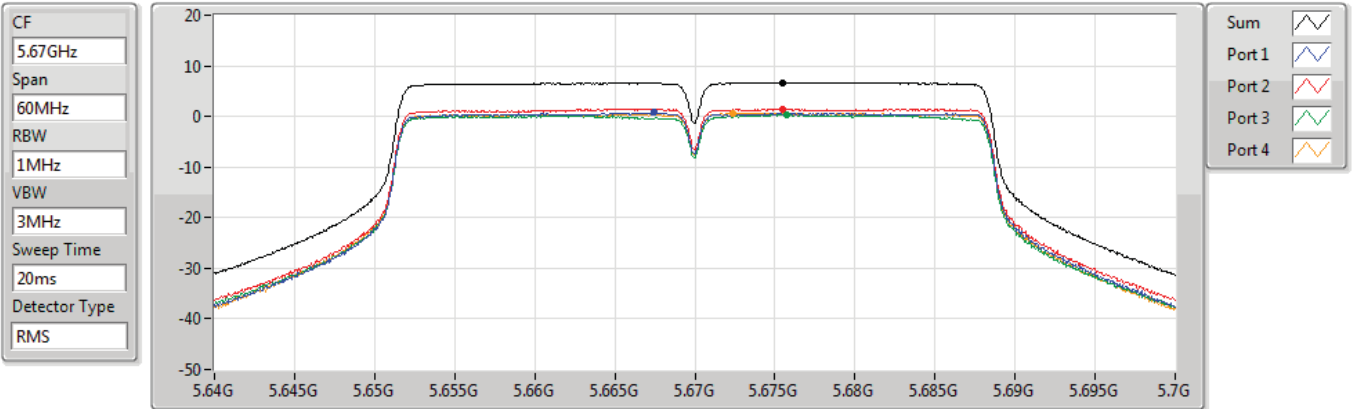
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.16 | 7.16 | 1.16 | 1.99 | 1.15 | 0.60 |

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5670MHz

16/12/2020



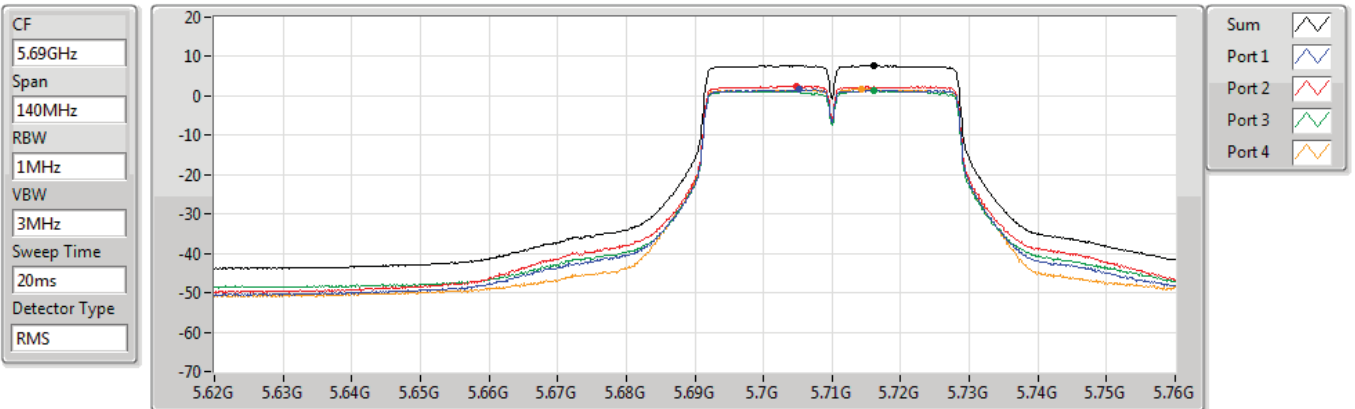
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.73 | 6.73 | 0.74 | 1.52 | 0.34 | 0.68 |

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

16/12/2020



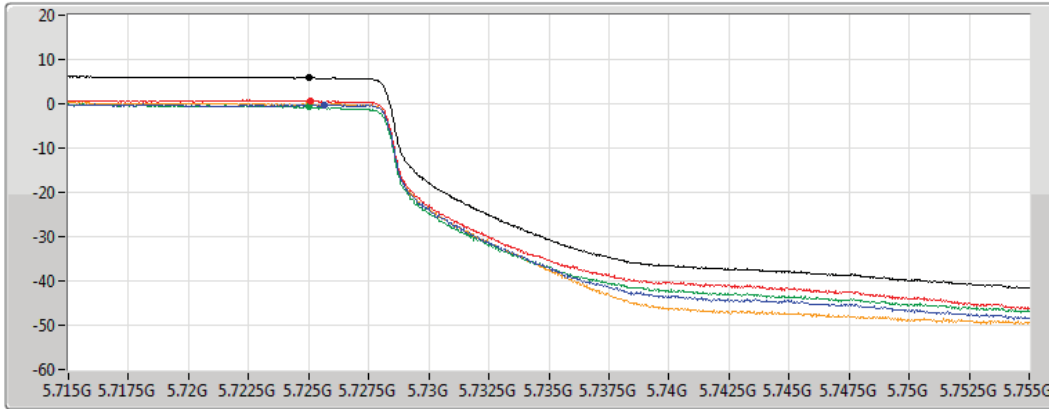
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.70 | 7.70 | 1.64 | 2.57 | 1.40 | 1.71 |

802.11ac VHT40_Nss1,(MCS0)_4TX
5710MHz Straddle 5.725-5.85GHz

PSD

16/12/2020

CF
5.735GHz
Span
40MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
 Port 1
 Port 2
 Port 3
 Port 4

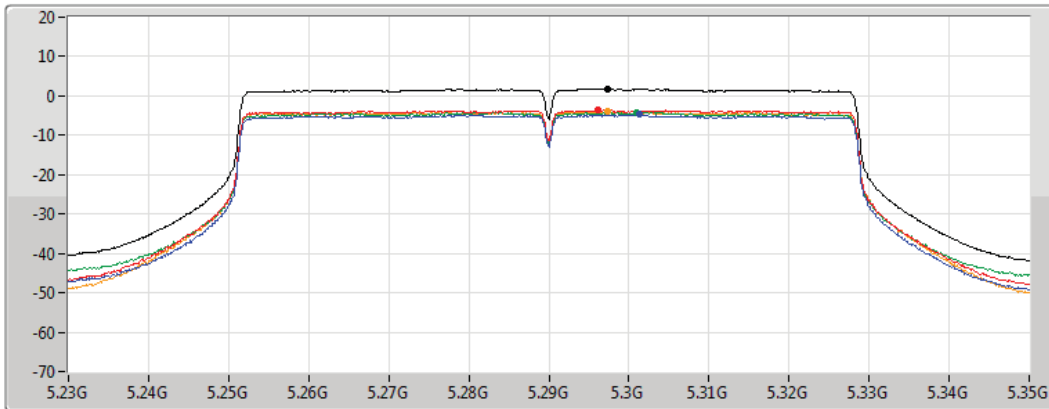
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.89 | 5.89 | -0.33 | 0.68 | -0.68 | -0.03 |

802.11ac VHT80_Nss1,(MCS0)_4TX
5290MHz

PSD

16/12/2020

CF
5.29GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
 Port 1
 Port 2
 Port 3
 Port 4

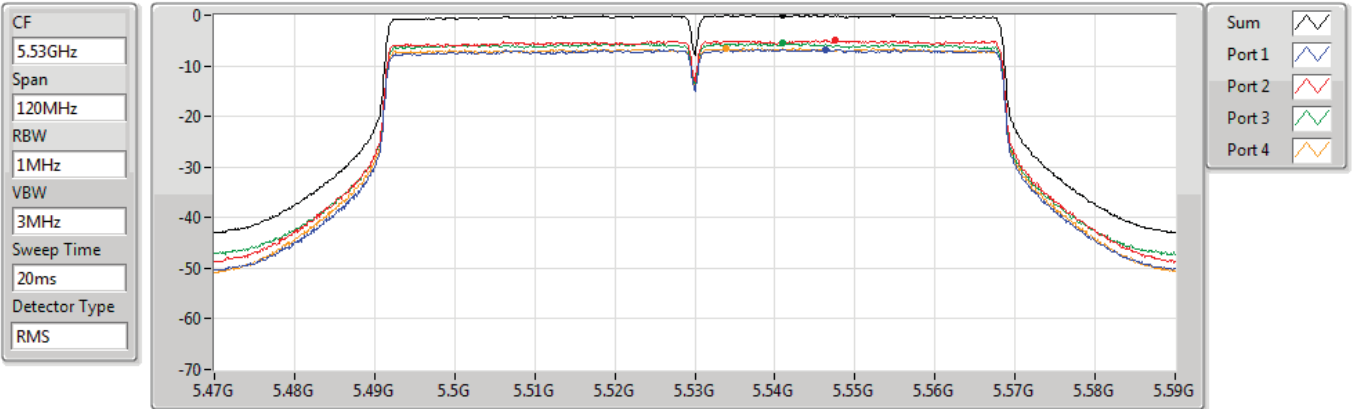
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 1.75 | 1.75 | -4.72 | -3.66 | -4.13 | -4.07 |

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5530MHz

16/12/2020



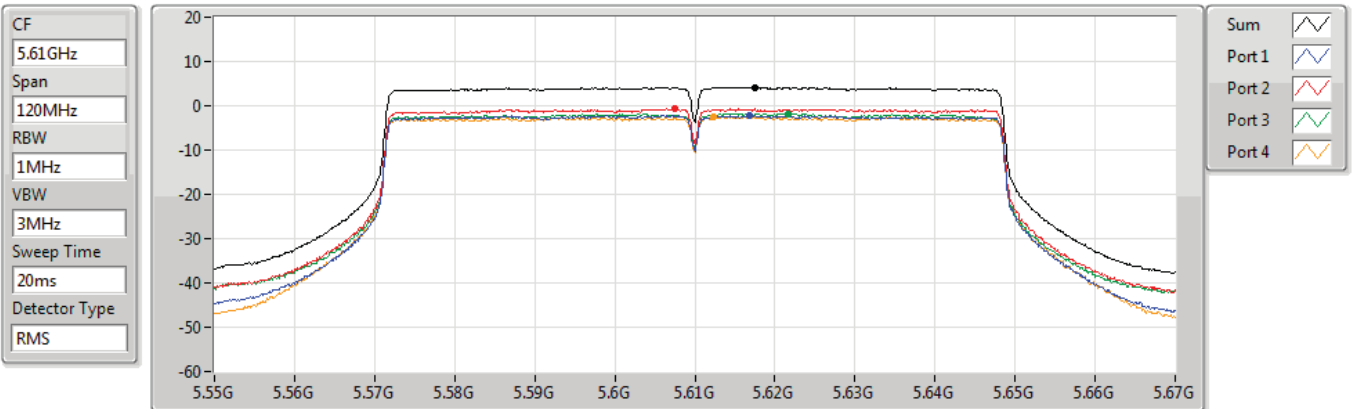
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.02 | -0.02 | -6.75 | -4.96 | -5.57 | -6.58 |

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5610MHz

16/12/2020



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.18 | 4.18 | -2.22 | -0.68 | -1.77 | -2.42 |

802.11ac VHT80_Nss1,(MCS0)_4TX
5690MHz Straddle 5.47-5.725GHz

PSD

16/12/2020

CF
5.65GHz

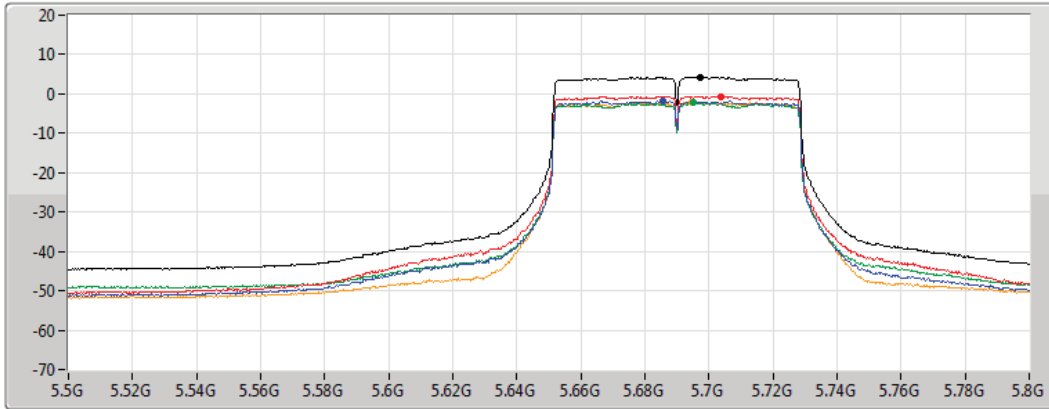
Span
300MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.22 | 4.22 | -1.90 | -0.60 | -2.27 | -2.24 |

802.11ac VHT80_Nss1,(MCS0)_4TX
5690MHz Straddle 5.725-5.85GHz

PSD

16/12/2020

CF
5.735GHz

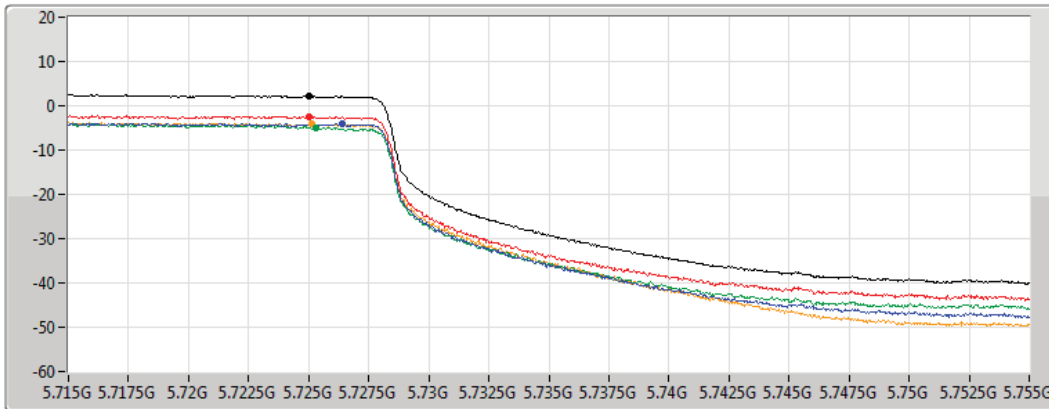
Span
40MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

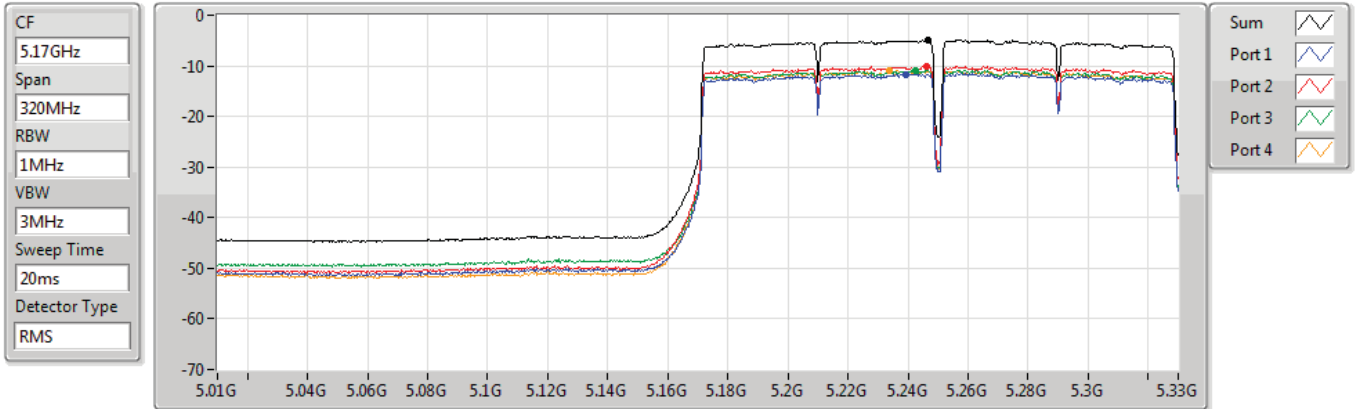
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.08 | 2.08 | -4.05 | -2.51 | -4.87 | -4.11 |

802.11ac VHT160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

16/12/2020



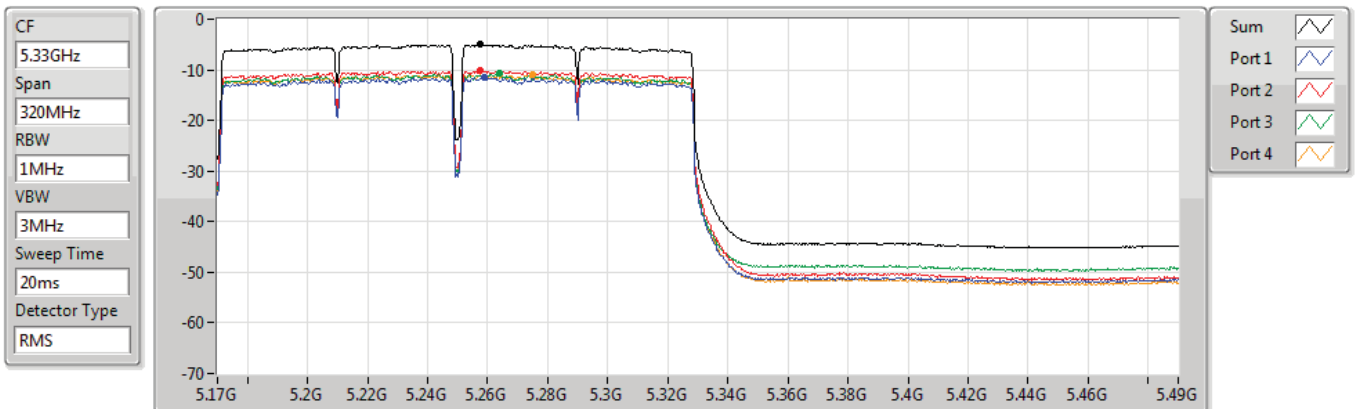
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -4.98 | -4.98 | -11.64 | -10.23 | -10.95 | -10.92 |

802.11ac VHT160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

16/12/2020



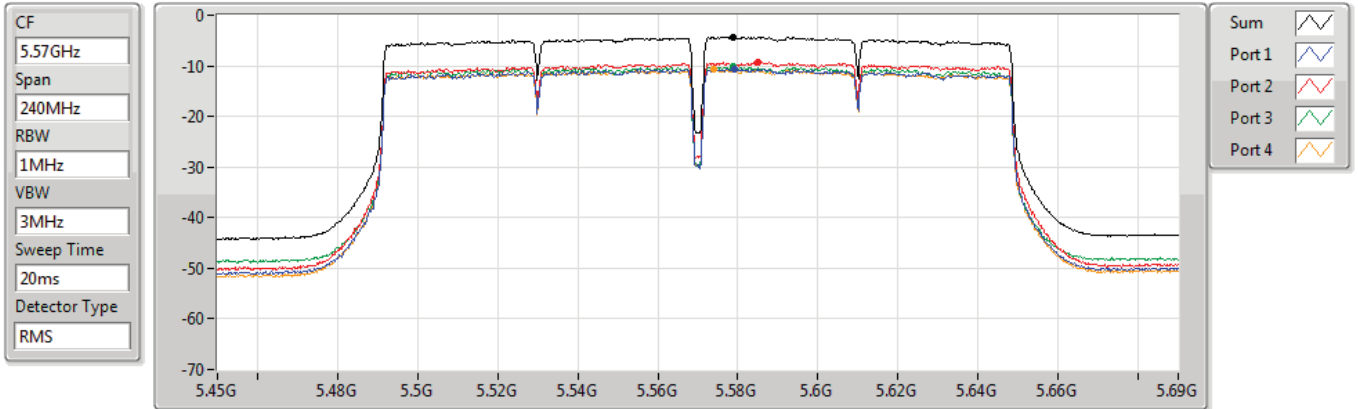
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.02 | -5.02 | -11.60 | -10.25 | -10.75 | -11.06 |

802.11ac VHT160_Nss1,(MCS0)_4TX

PSD

5570MHz

16/12/2020



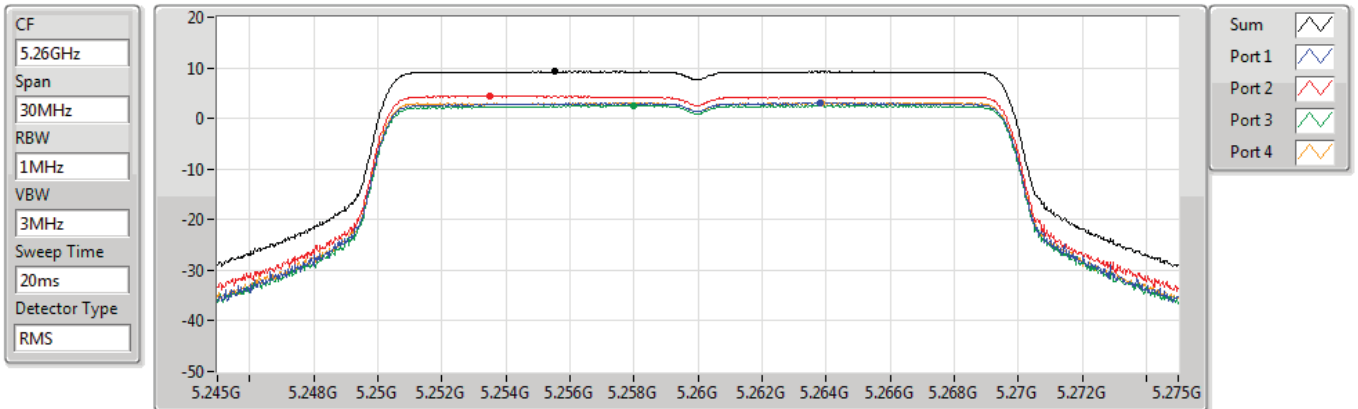
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -4.28 | -4.28 | -10.61 | -9.23 | -10.06 | -10.73 |

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5260MHz

09/12/2020



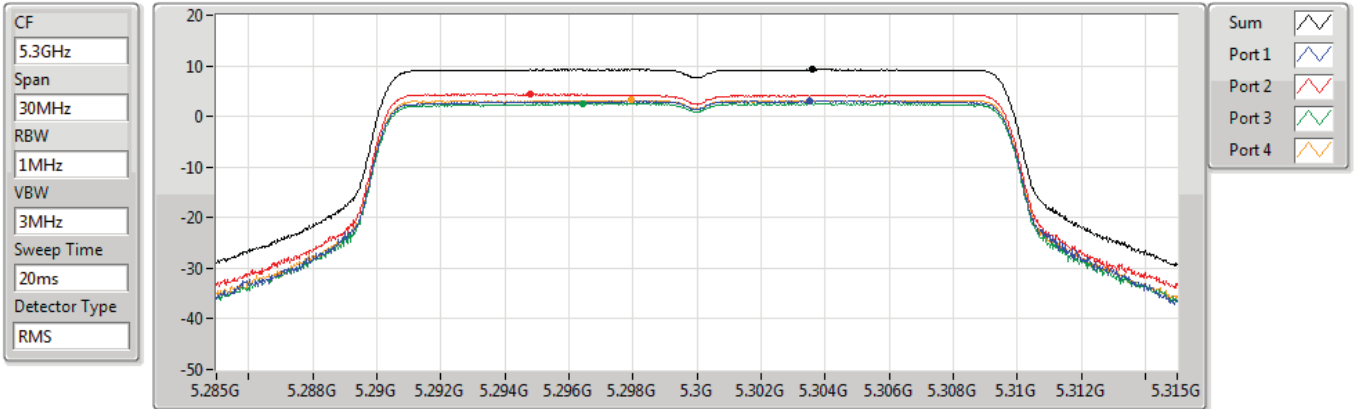
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.24 | 9.24 | 3.05 | 4.47 | 2.57 | 3.04 |

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5300MHz

09/12/2020



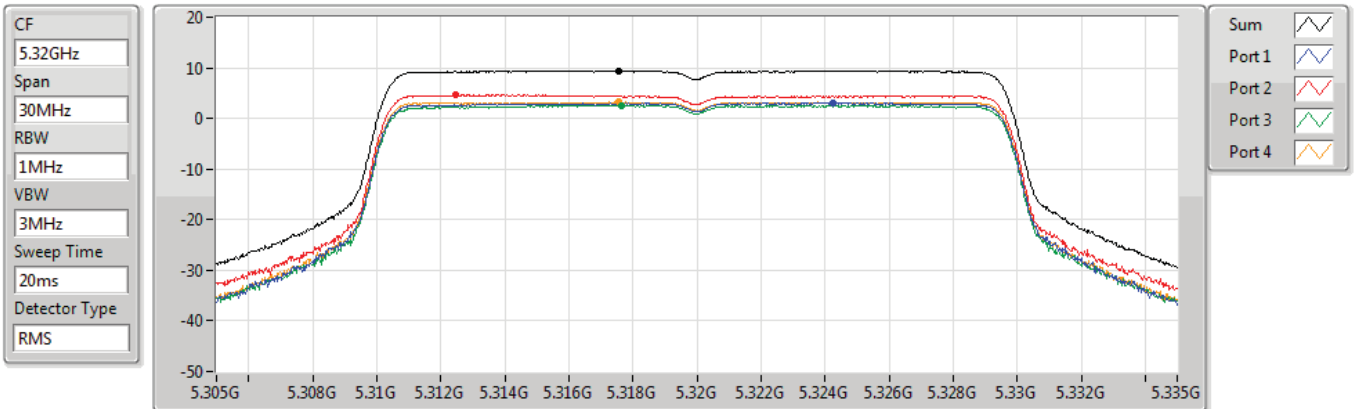
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.26 | 9.26 | 3.05 | 4.43 | 2.57 | 3.19 |

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5320MHz

09/12/2020



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.35 | 9.35 | 3.05 | 4.65 | 2.55 | 3.28 |

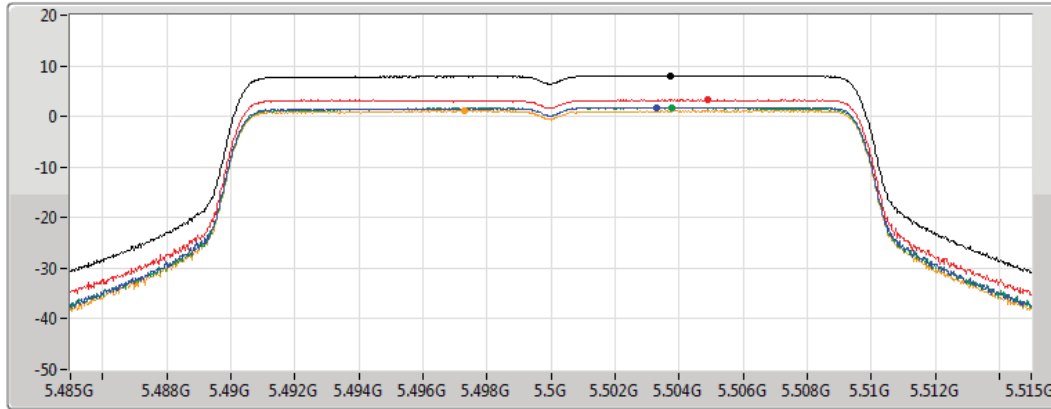
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5500MHz

09/12/2020

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.02 | 8.02 | 1.81 | 3.26 | 1.76 | 1.14 |

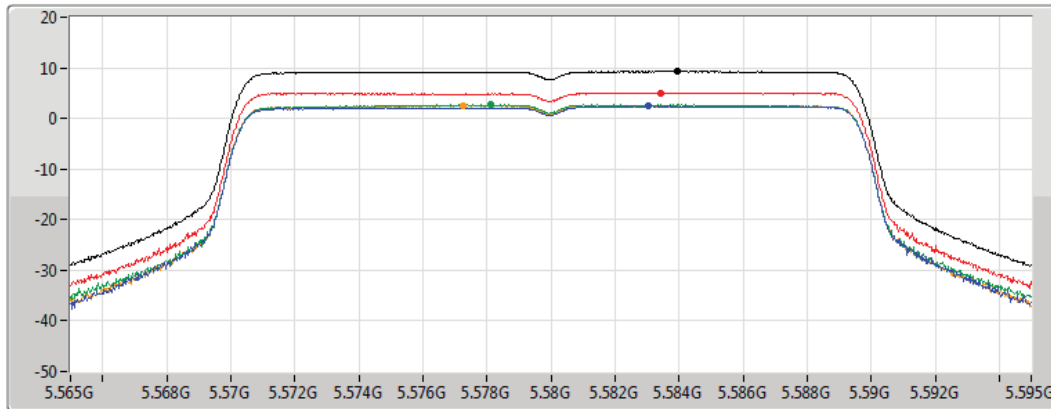
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5580MHz

09/12/2020

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.29 | 9.29 | 2.41 | 5.08 | 2.72 | 2.50 |

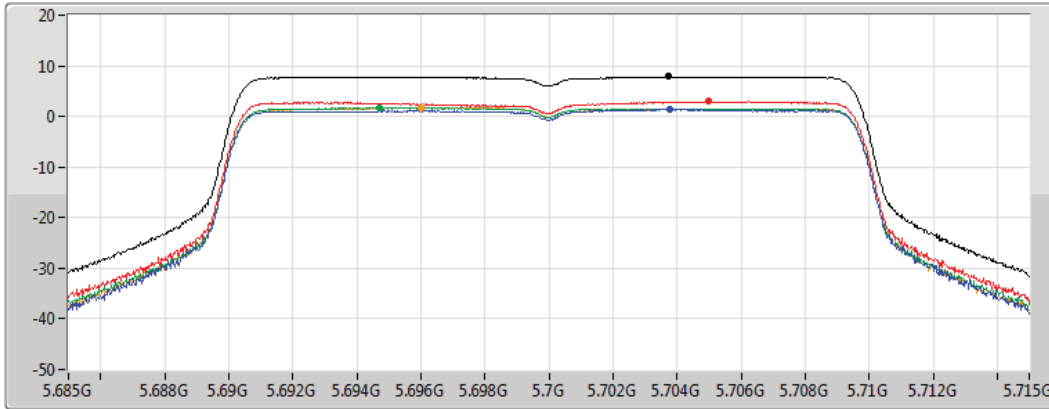
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5700MHz

09/12/2020

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.86 | 7.86 | 1.42 | 2.95 | 1.69 | 1.78 |

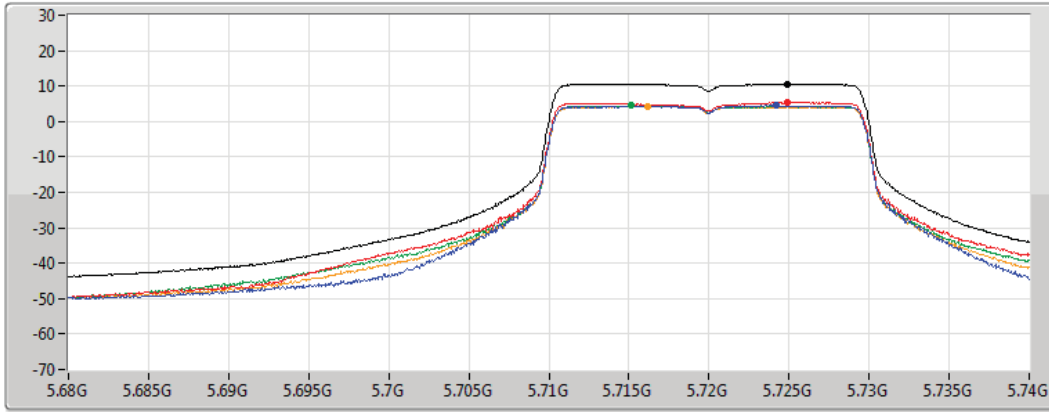
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

09/12/2020

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.52 | 10.52 | 4.54 | 5.30 | 4.43 | 4.34 |

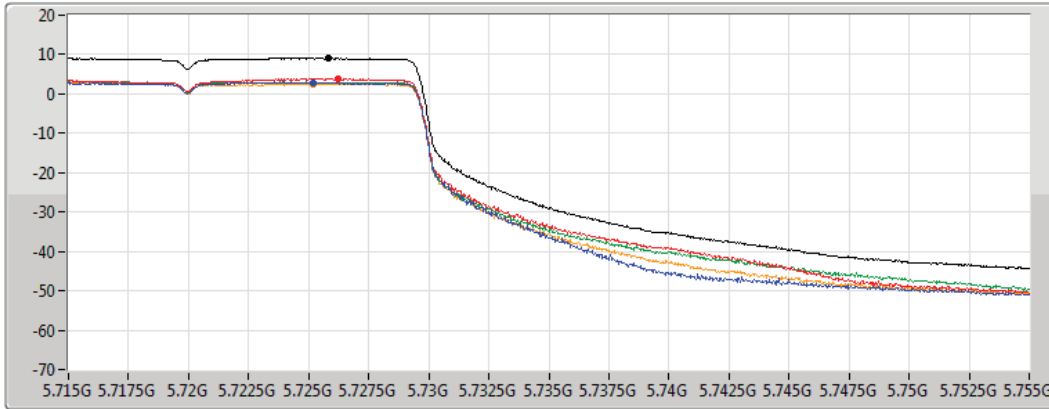


802.11ax HEW20_Nss1,(MCS0)_4TX
5720MHz Straddle 5.725-5.85GHz

PSD

09/12/2020

CF
 5.735GHz
 Span
 40MHz
 RBW
 500kHz
 VBW
 3MHz
 Sweep Time
 20ms
 Detector Type
 RMS



Sum
 Port 1
 Port 2
 Port 3
 Port 4

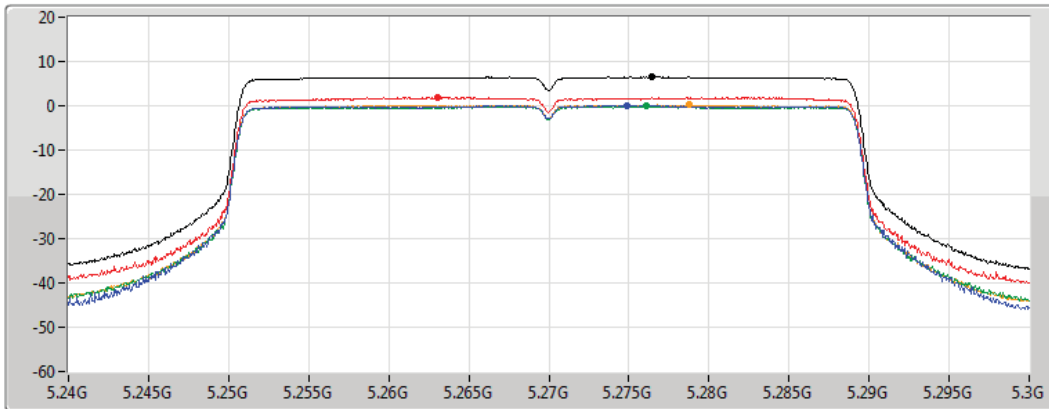
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.01 | 9.01 | 2.84 | 3.83 | 2.88 | 2.47 |

802.11ax HEW40_Nss1,(MCS0)_4TX
5270MHz

PSD

09/12/2020

CF
 5.27GHz
 Span
 60MHz
 RBW
 1MHz
 VBW
 3MHz
 Sweep Time
 20ms
 Detector Type
 RMS



Sum
 Port 1
 Port 2
 Port 3
 Port 4

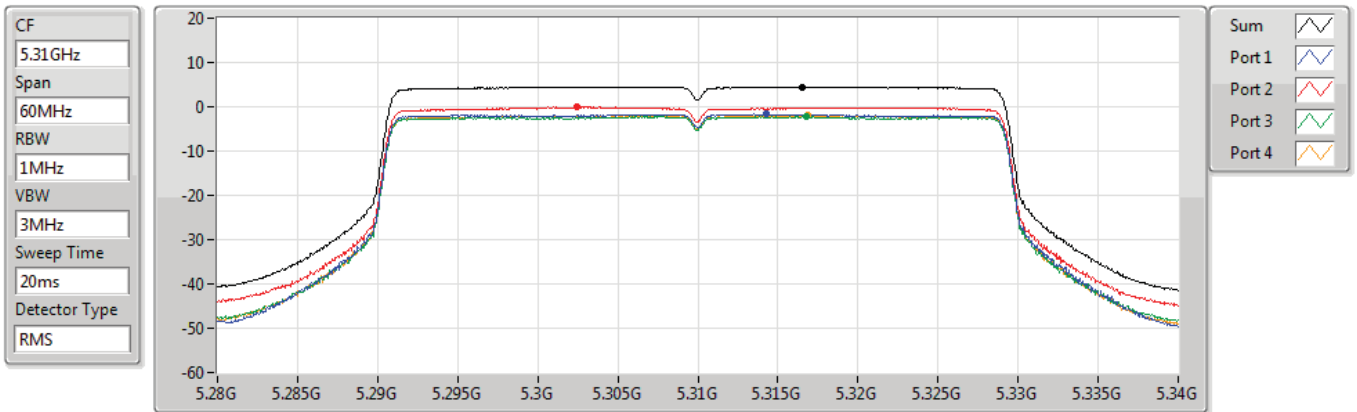
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.50 | 6.50 | 0.02 | 1.87 | -0.15 | 0.18 |

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5310MHz

09/12/2020



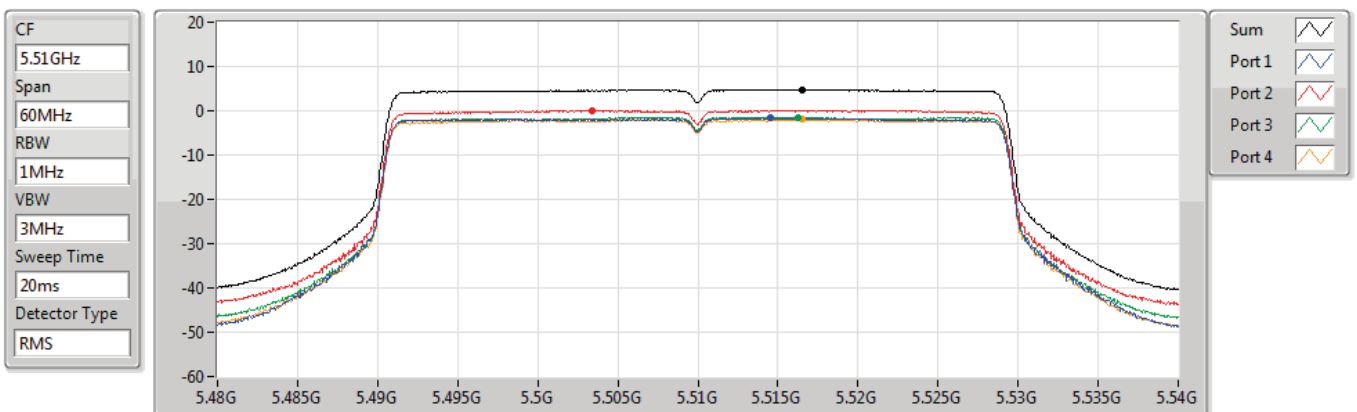
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.50 | 4.50 | -1.69 | -0.08 | -2.25 | -1.95 |

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5510MHz

09/12/2020



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.76 | 4.76 | -1.67 | 0.04 | -1.44 | -2.02 |

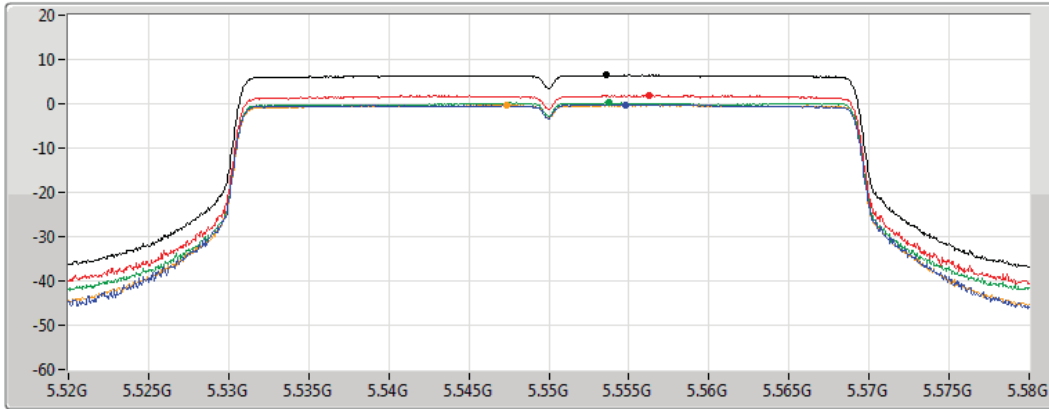
802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5550MHz

09/12/2020

CF
5.55GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.45 | 6.45 | -0.18 | 1.84 | 0.22 | -0.24 |

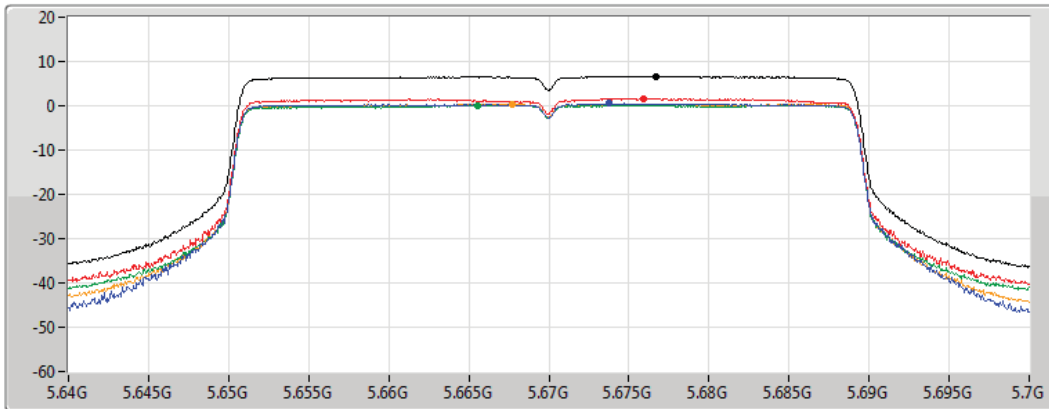
802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5670MHz

09/12/2020

CF
5.67GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.62 | 6.62 | 0.50 | 1.61 | 0.14 | 0.46 |

802.11ax HEW40_Nss1,(MCS0)_4TX
5710MHz Straddle 5.47-5.725GHz

PSD

09/12/2020

CF
5.69GHz

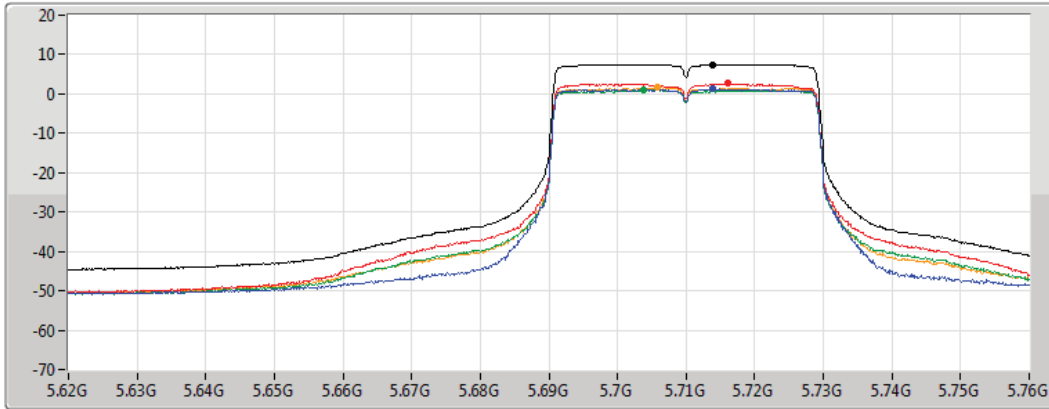
Span
140MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.51 | 7.51 | 1.28 | 2.62 | 0.94 | 1.60 |

802.11ax HEW40_Nss1,(MCS0)_4TX
5710MHz Straddle 5.725-5.85GHz

PSD

09/12/2020

CF
5.735GHz

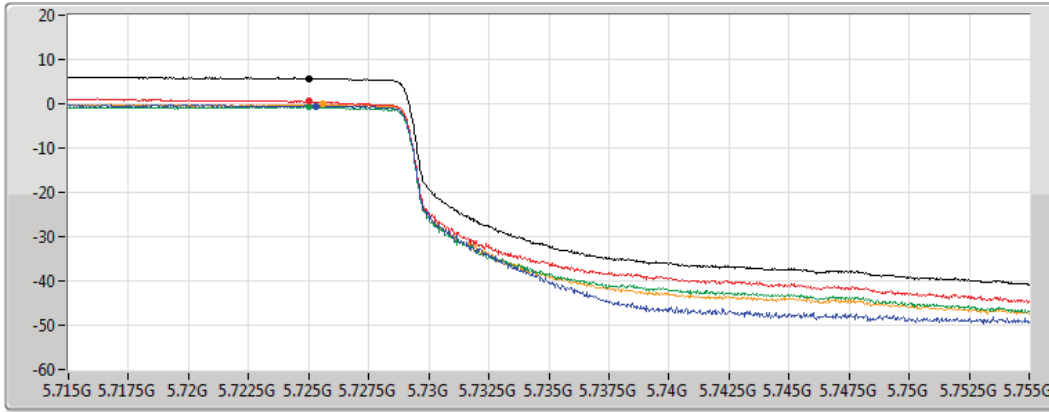
Span
40MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

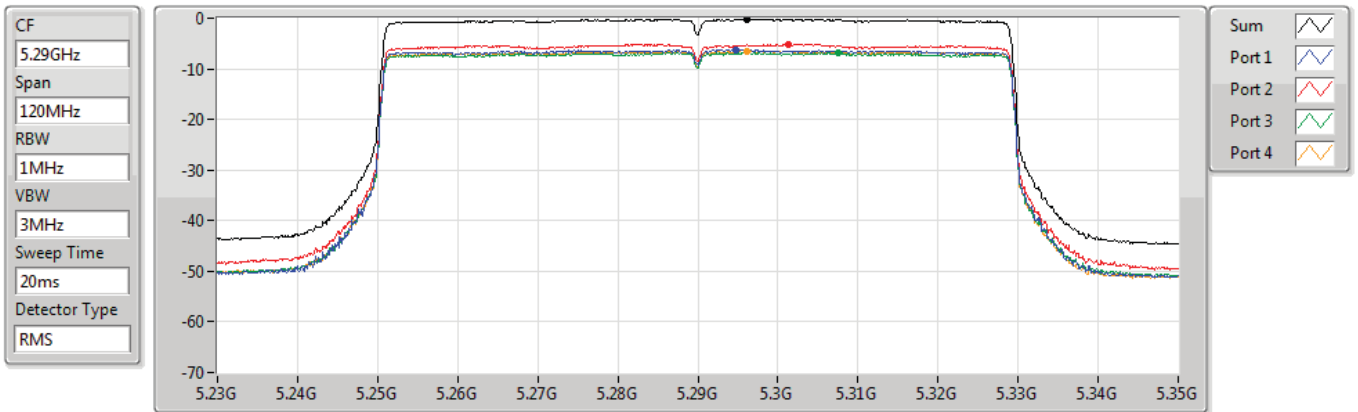
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.78 | 5.78 | -0.50 | 0.51 | -0.73 | -0.15 |

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5290MHz

09/12/2020



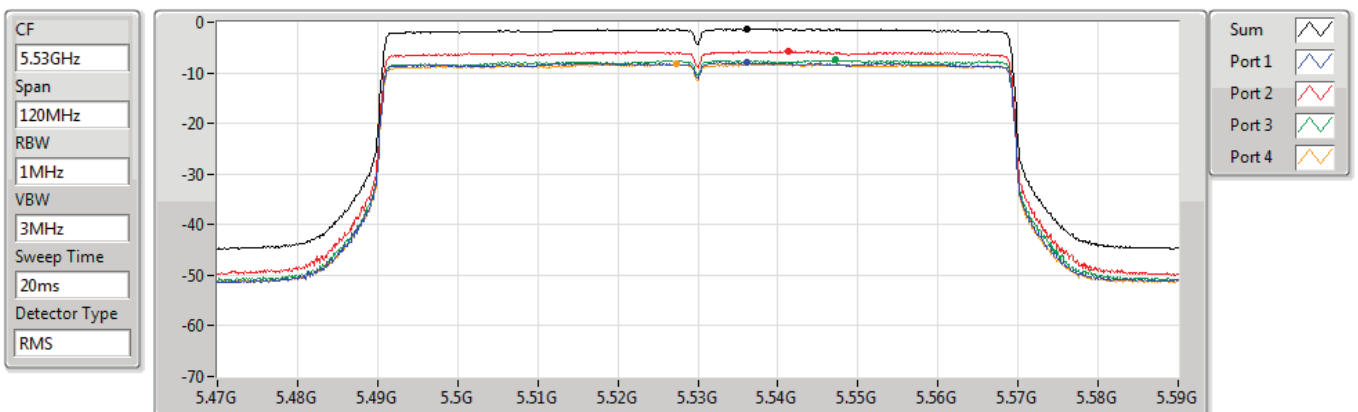
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.17 | -0.17 | -6.19 | -5.09 | -6.84 | -6.45 |

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5530MHz

09/12/2020



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.34 | -1.34 | -7.98 | -5.75 | -7.50 | -8.23 |

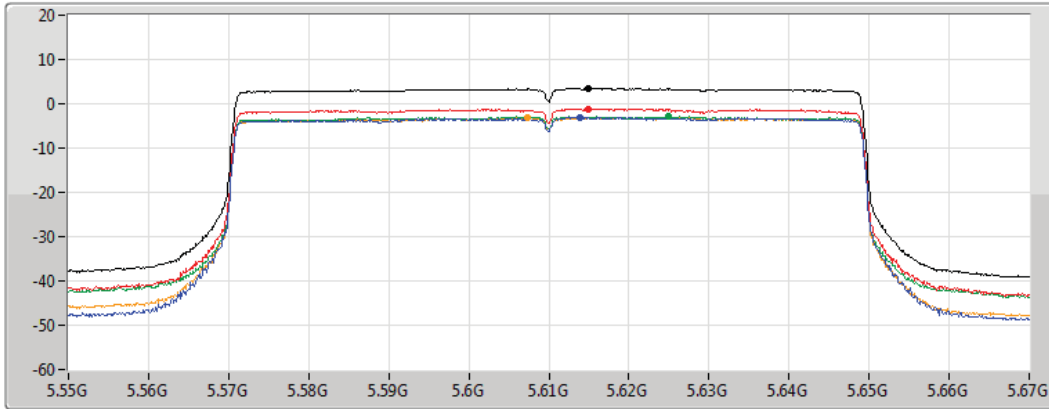
802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5610MHz

09/12/2020

CF
5.61GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.45 | 3.45 | -3.10 | -1.16 | -2.91 | -3.10 |

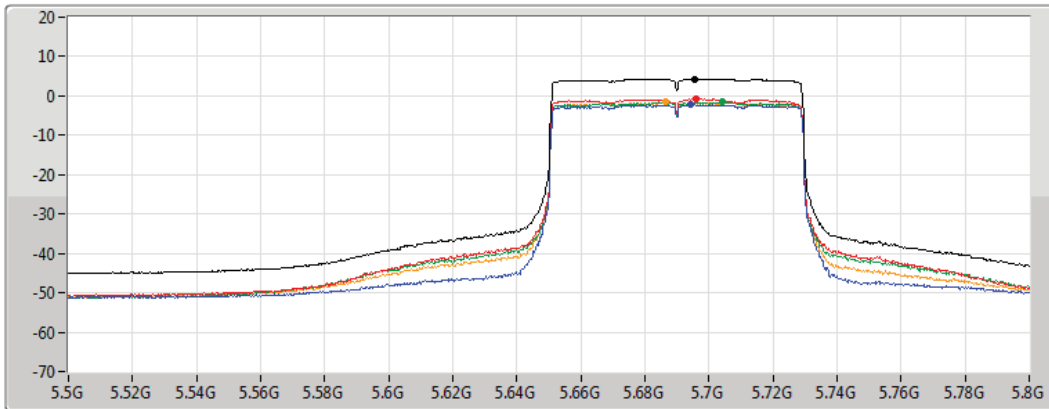
802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

09/12/2020

CF
5.65GHz
Span
300MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

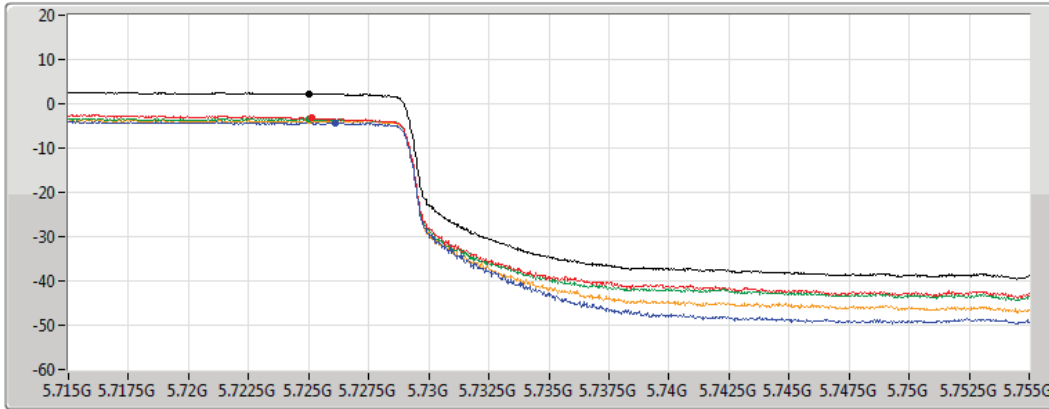
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.35 | 4.35 | -2.22 | -0.76 | -1.62 | -1.62 |

802.11ax HEW80_Nss1,(MCS0)_4TX
5690MHz Straddle 5.725-5.85GHz

PSD

09/12/2020

CF
 5.735GHz
 Span
 40MHz
 RBW
 500kHz
 VBW
 3MHz
 Sweep Time
 20ms
 Detector Type
 RMS



Sum
 Port 1
 Port 2
 Port 3
 Port 4

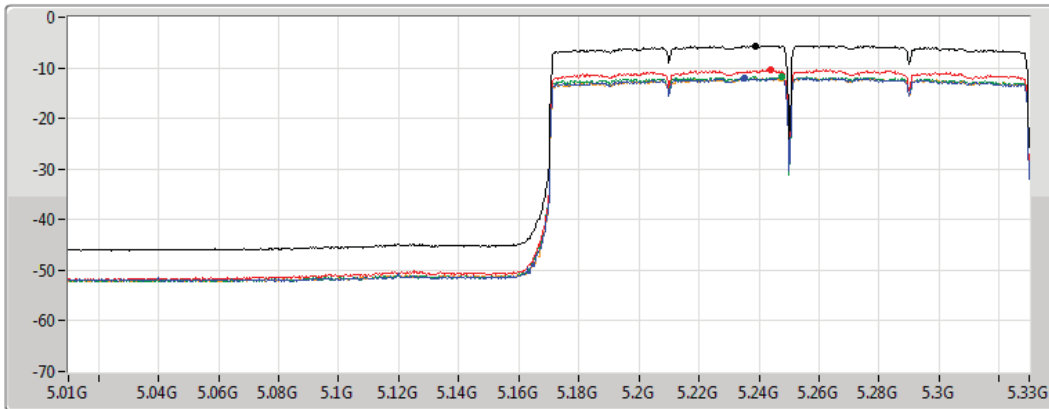
| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.34 | 2.34 | -4.29 | -3.21 | -3.46 | -3.61 |

802.11ax HEW160_Nss1,(MCS0)_4TX
5250MHz Straddle 5.15-5.25GHz

PSD

09/12/2020

CF
 5.17GHz
 Span
 320MHz
 RBW
 1MHz
 VBW
 3MHz
 Sweep Time
 20ms
 Detector Type
 RMS



Sum
 Port 1
 Port 2
 Port 3
 Port 4

| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -5.63 | -5.63 | -12.11 | -10.36 | -11.66 | -12.00 |