Testing Laboratory 3787

# RADIO TEST REPORT

| | | |
|---|---|---|
| FCC ID | : | LDK-9160S2578 |
| Equipment | : | Catalyst Wireless 9166I Wi-Fi 6E Series Access Point , Catalyst Wireless 9164I Wi-Fi 6E Series Access Point |
| Brand Name | : | CISCO |
| Model Name | : | CW9166I-B, CW9164I-B, CW9166I-MR, CW9164I-MR |
| Applicant | : | Cisco Systems Inc<br>125 West Tasman Drive San Jose California United States 95134-1706 |
| Manufacturer | : | Cisco Systems Inc<br>125 West Tasman Drive San Jose California United States 95134-1706 |
| Standard | : | 47 CFR FCC Part 15.407 |

The product was received on Dec. 28, 2021, and testing was started from Jan. 22, 2022 and completed on May 13, 2022. We, Sporton International Inc. Hsinchu 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. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

*Sporton International Inc. Hsinchu Laboratory*
*No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)*

# Table of Contents

**History of this test report** ..... **3**

**Summary of Test Result** ..... **4**

**1 General Description** ..... **5**

1.1 Information ..... 5
1.2 Applicable Standards ..... 17
1.3 Testing Location Information ..... 17
1.4 Measurement Uncertainty ..... 18

**2 Test Configuration of EUT** ..... **19**

2.1 Test Channel Mode ..... 19
2.2 The Worst Case Measurement Configuration ..... 36
2.3 EUT Operation during Test ..... 40
2.4 Accessories ..... 40
2.5 Support Equipment ..... 40
2.6 Test Setup Diagram ..... 42

**3 Transmitter Test Result** ..... **45**

3.1 AC Power-line Conducted Emissions ..... 45
3.2 Emission Bandwidth ..... 47
3.3 Maximum Output Power ..... 49
3.4 Power Spectral Density ..... 52
3.5 Unwanted Emissions ..... 55

**4 Test Equipment and Calibration Data** ..... **60**

**Appendix A. Test Results of AC Power-line Conducted Emissions**

**Appendix B. Test Results of Emission Bandwidth**

**Appendix C. Test Results of Maximum Output Power**

**Appendix D. Test Results of Power Spectral Density**

**Appendix E. Test Results of Unwanted Emissions**

**Appendix F. Test Results of Radiated Emission Co-location**

**Appendix G. Test Photos**

**Photographs of EUT v01**

# History of this test report

| Report No. | Version | Description | Issued Date |
|---|---|---|---|
| FR1D2822-01AB | 01 | Initial issue of report | May 24, 2022 |
| FR1D2822-01AB | 02 | Add a note of Table for Radio function | Jul. 13, 2022 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

# Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---|---|---|---|---|
| 1.1.3 | 15.203 | Antenna Requirement | PASS | - |
| 3.1 | 15.207 | AC Power-line Conducted Emissions | PASS | - |
| 3.2 | 15.407(a) | Emission Bandwidth | PASS | - |
| 3.3 | 15.407(a) | Maximum Output Power | PASS | - |
| 3.4 | 15.407(a) | Power Spectral Density | PASS | - |
| 3.5 | 15.407(b) | Unwanted Emissions | PASS | - |

**Declaration of Conformity:**

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

**Comments and Explanations:**

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Sam Chen**

**Report Producer: Vicky Huang**

# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
|---|---|---|---|
| 5150-5250 | a, n (HT20), ac (VHT20), ax (HEW20) | 5180-5240 | 36-48 [4] |
| 5250-5350 | | 5260-5320 | 52-64 [4] |
| 5470-5725 | | 5500-5720 | 100-144 [12] |
| 5725-5850 | | 5745-5825 | 149-165 [5] |
| 5150-5250 | n (HT40), ac (VHT40), ax (HEW40) | 5190-5230 | 38-46 [2] |
| 5250-5350 | | 5270-5310 | 54-62 [2] |
| 5470-5725 | | 5510-5710 | 102-142 [6] |
| 5725-5850 | | 5755-5795 | 151-159 [2] |
| 5150-5250 | ac (VHT80), ax (HEW80) | 5210 | 42 [1] |
| 5250-5350 | | 5290 | 58 [1] |
| 5470-5725 | | 5530-5690 | 106-138 [3] |
| 5725-5850 | | 5775 | 155 [1] |
| 5150-5350 | ac (VHT160), ax (HEW160) | 5250 | 50 [1] |
| 5470-5725 | | 5570 | 114 [1] |

**<Radio 1>**

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.15-5.25GHz | 802.11a | 20 | 1, 2, 4 |
| 5.15-5.25GHz | 802.11n HT20 | 20 | 1, 2, 4 |
| 5.15-5.25GHz | 802.11n HT20-BF | 20 | 2, 4 |
| 5.15-5.25GHz | 802.11ac VHT20 | 20 | 1, 2, 4 |
| 5.15-5.25GHz | 802.11ac VHT20-BF | 20 | 2, 4 |
| 5.15-5.25GHz | 802.11ax HEW20 | 20 | 1, 2, 4 |
| 5.15-5.25GHz | 802.11ax HEW20-BF | 20 | 2, 4 |
| 5.15-5.25GHz | 802.11n HT40 | 40 | 1, 2, 4 |
| 5.15-5.25GHz | 802.11n HT40-BF | 40 | 2, 4 |
| 5.15-5.25GHz | 802.11ac VHT40 | 40 | 1, 2, 4 |
| 5.15-5.25GHz | 802.11ac VHT40-BF | 40 | 2, 4 |
| 5.15-5.25GHz | 802.11ax HEW40 | 40 | 1, 2, 4 |
| 5.15-5.25GHz | 802.11ax HEW40-BF | 40 | 2, 4 |
| 5.15-5.25GHz | 802.11ac VHT80 | 80 | 1, 2, 4 |
| 5.15-5.25GHz | 802.11ac VHT80-BF | 80 | 2, 4 |

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.15-5.25GHz | 802.11ax HEW80 | 80 | 1, 2, 4 |
| 5.15-5.25GHz | 802.11ax HEW80-BF | 80 | 2, 4 |
| 5.15-5.25GHz | 802.11ac VHT80+80 | 80 | 1, 2, 4 |
| 5.15-5.25GHz | 802.11ac VHT80+80-BF | 80 | 2, 4 |
| 5.15-5.25GHz | 802.11ax HEW80+80 | 80 | 1, 2, 4 |
| 5.15-5.25GHz | 802.11ax HEW80+80-BF | 80 | 2, 4 |
| 5.25-5.35GHz | 802.11a | 20 | 1, 2, 4 |
| 5.25-5.35GHz | 802.11n HT20 | 20 | 1, 2, 4 |
| 5.25-5.35GHz | 802.11n HT20-BF | 20 | 2, 4 |
| 5.25-5.35GHz | 802.11ac VHT20 | 20 | 1, 2, 4 |
| 5.25-5.35GHz | 802.11ac VHT20-BF | 20 | 2, 4 |
| 5.25-5.35GHz | 802.11ax HEW20 | 20 | 1, 2, 4 |
| 5.25-5.35GHz | 802.11ax HEW20-BF | 20 | 2, 4 |
| 5.25-5.35GHz | 802.11n HT40 | 40 | 1, 2, 4 |
| 5.25-5.35GHz | 802.11n HT40-BF | 40 | 2, 4 |
| 5.25-5.35GHz | 802.11ac VHT40 | 40 | 1, 2, 4 |
| 5.25-5.35GHz | 802.11ac VHT40-BF | 40 | 2, 4 |
| 5.25-5.35GHz | 802.11ax HEW40 | 40 | 1, 2, 4 |
| 5.25-5.35GHz | 802.11ax HEW40-BF | 40 | 2, 4 |
| 5.25-5.35GHz | 802.11ac VHT80 | 80 | 1, 2, 4 |
| 5.25-5.35GHz | 802.11ac VHT80-BF | 80 | 2, 4 |
| 5.25-5.35GHz | 802.11ax HEW80 | 80 | 1, 2, 4 |
| 5.25-5.35GHz | 802.11ax HEW80-BF | 80 | 2, 4 |
| 5.25-5.35GHz | 802.11ac VHT80+80 | 80 | 1, 2, 4 |
| 5.25-5.35GHz | 802.11ac VHT80+80-BF | 80 | 2, 4 |
| 5.25-5.35GHz | 802.11ax HEW80+80 | 80 | 1, 2, 4 |
| 5.25-5.35GHz | 802.11ax HEW80+80-BF | 80 | 2, 4 |
| 5.47-5.725GHz | 802.11a | 20 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11n HT20 | 20 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11n HT20-BF | 20 | 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT20 | 20 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT20-BF | 20 | 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW20 | 20 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW20-BF | 20 | 2, 4 |
| 5.47-5.725GHz | 802.11n HT40 | 40 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11n HT40-BF | 40 | 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT40 | 40 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT40-BF | 40 | 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW40 | 40 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW40-BF | 40 | 2, 4 |

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.47-5.725GHz | 802.11ac VHT80 | 80 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT80-BF | 80 | 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW80 | 80 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW80-BF | 80 | 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT80+80 | 80 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT80+80-BF | 80 | 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW80+80 | 80 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW80+80-BF | 80 | 2, 4 |
| 5.725-5.85GHz | 802.11a | 20 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11n HT20 | 20 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11n HT20-BF | 20 | 2, 4 |
| 5.725-5.85GHz | 802.11ac VHT20 | 20 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11ac VHT20-BF | 20 | 2, 4 |
| 5.725-5.85GHz | 802.11ax HEW20 | 20 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11ax HEW20-BF | 20 | 2, 4 |
| 5.725-5.85GHz | 802.11n HT40 | 40 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11n HT40-BF | 40 | 2, 4 |
| 5.725-5.85GHz | 802.11ac VHT40 | 40 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11ac VHT40-BF | 40 | 2, 4 |
| 5.725-5.85GHz | 802.11ax HEW40 | 40 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11ax HEW40-BF | 40 | 2, 4 |
| 5.725-5.85GHz | 802.11ac VHT80 | 80 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11ac VHT80-BF | 80 | 2, 4 |
| 5.725-5.85GHz | 802.11ax HEW80 | 80 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11ax HEW80-BF | 80 | 2, 4 |
| 5.725-5.85GHz | 802.11ac VHT80+80 | 80 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11ac VHT80+80-BF | 80 | 2, 4 |
| 5.725-5.85GHz | 802.11ax HEW80+80 | 80 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11ax HEW80+80-BF | 80 | 2, 4 |

**<Radio 2>**

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.47-5.725GHz | 802.11a | 20 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11n HT20 | 20 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11n HT20-BF | 20 | 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT20 | 20 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT20-BF | 20 | 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW20 | 20 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW20-BF | 20 | 2, 4 |
| 5.47-5.725GHz | 802.11n HT40 | 40 | 1, 2, 4 |

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.47-5.725GHz | 802.11n HT40-BF | 40 | 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT40 | 40 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT40-BF | 40 | 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW40 | 40 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW40-BF | 40 | 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT80 | 80 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT80-BF | 80 | 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW80 | 80 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW80-BF | 80 | 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT160 | 160 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ac VHT160-BF | 160 | 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW160 | 160 | 1, 2, 4 |
| 5.47-5.725GHz | 802.11ax HEW160-BF | 160 | 2, 4 |
| 5.725-5.85GHz | 802.11a | 20 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11n HT20 | 20 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11n HT20-BF | 20 | 2, 4 |
| 5.725-5.85GHz | 802.11ac VHT20 | 20 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11ac VHT20-BF | 20 | 2, 4 |
| 5.725-5.85GHz | 802.11ax HEW20 | 20 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11ax HEW20-BF | 20 | 2, 4 |
| 5.725-5.85GHz | 802.11n HT40 | 40 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11n HT40-BF | 40 | 2, 4 |
| 5.725-5.85GHz | 802.11ac VHT40 | 40 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11ac VHT40-BF | 40 | 2, 4 |
| 5.725-5.85GHz | 802.11ax HEW40 | 40 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11ax HEW40-BF | 40 | 2, 4 |
| 5.725-5.85GHz | 802.11ac VHT80 | 80 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11ac VHT80-BF | 80 | 2, 4 |
| 5.725-5.85GHz | 802.11ax HEW80 | 80 | 1, 2, 4 |
| 5.725-5.85GHz | 802.11ax HEW80-BF | 80 | 2, 4 |

**<Radio 3>**

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.15-5.25GHz | 802.11a | 20 | 1 |
| 5.15-5.25GHz | 802.11n HT20 | 20 | 1 |
| 5.15-5.25GHz | 802.11ac VHT20 | 20 | 1 |
| 5.15-5.25GHz | 802.11ax HEW20 | 20 | 1 |
| 5.15-5.25GHz | 802.11n HT40 | 40 | 1 |
| 5.15-5.25GHz | 802.11ac VHT40 | 40 | 1 |
| 5.15-5.25GHz | 802.11ax HEW40 | 40 | 1 |

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.15-5.25GHz | 802.11ac VHT80 | 80 | 1 |
| 5.15-5.25GHz | 802.11ax HEW80 | 80 | 1 |
| 5.15-5.35GHz | 802.11ac VHT160 | 160 | 1 |
| 5.15-5.35GHz | 802.11ax HEW160 | 160 | 1 |
| 5.25-5.35GHz | 802.11a | 20 | 1 |
| 5.25-5.35GHz | 802.11n HT20 | 20 | 1 |
| 5.25-5.35GHz | 802.11ac VHT20 | 20 | 1 |
| 5.25-5.35GHz | 802.11ax HEW20 | 20 | 1 |
| 5.25-5.35GHz | 802.11n HT40 | 40 | 1 |
| 5.25-5.35GHz | 802.11ac VHT40 | 40 | 1 |
| 5.25-5.35GHz | 802.11ax HEW40 | 40 | 1 |
| 5.25-5.35GHz | 802.11ac VHT80 | 80 | 1 |
| 5.25-5.35GHz | 802.11ax HEW80 | 80 | 1 |
| 5.47-5.725GHz | 802.11a | 20 | 1 |
| 5.47-5.725GHz | 802.11n HT20 | 20 | 1 |
| 5.47-5.725GHz | 802.11ac VHT20 | 20 | 1 |
| 5.47-5.725GHz | 802.11ax HEW20 | 20 | 1 |
| 5.47-5.725GHz | 802.11n HT40 | 40 | 1 |
| 5.47-5.725GHz | 802.11ac VHT40 | 40 | 1 |
| 5.47-5.725GHz | 802.11ax HEW40 | 40 | 1 |
| 5.47-5.725GHz | 802.11ac VHT80 | 80 | 1 |
| 5.47-5.725GHz | 802.11ax HEW80 | 80 | 1 |
| 5.47-5.725GHz | 802.11ac VHT160 | 160 | 1 |
| 5.47-5.725GHz | 802.11ax HEW160 | 160 | 1 |
| 5.725-5.85GHz | 802.11a | 20 | 1 |
| 5.725-5.85GHz | 802.11n HT20 | 20 | 1 |
| 5.725-5.85GHz | 802.11ac VHT20 | 20 | 1 |
| 5.725-5.85GHz | 802.11ax HEW20 | 20 | 1 |
| 5.725-5.85GHz | 802.11n HT40 | 40 | 1 |
| 5.725-5.85GHz | 802.11ac VHT40 | 40 | 1 |
| 5.725-5.85GHz | 802.11ax HEW40 | 40 | 1 |
| 5.725-5.85GHz | 802.11ac VHT80 | 80 | 1 |
| 5.725-5.85GHz | 802.11ax HEW80 | 80 | 1 |

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 and VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

### 1.1.2 Table for 80+80 MHz Mode

**<Radio 1>**

| Type | Channel No. | Frequency |
|---|---|---|
| 1 | 42+58 | 5210+5290 MHz |
| 2 | 106+122 | 5530+5610 MHz |

### 1.1.3 Antenna Information

| Ant. | Port | | | | | | Brand | Model Name | Ant. Type | Connector | Gain (dBi) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | R1: WLAN 2.4GHz | R1: WLAN 5GHz UNII 1~3 | R2: WLAN 5GHz UNII 2C~3 | R2: WLAN 6GHz UNII 5~8 | R3: WLAN 2.4GHz /5GHz UNII 1~3/6GHz UNII 5~8 | Bluetooth | | | | | |
| 1 | 3 | 4 | - | - | - | - | CISCO | 95XEAJ15.G04 | Folded | I-PEX | Note2 |
| 2 | 4 | 3 | - | - | - | - | CISCO | 95XEAJ15.G03 | Folded | I-PEX | |
| 3 | 2 | 2 | - | - | - | - | CISCO | 95XEAJ15.G05 | Folded | I-PEX | |
| 4 | 1 | 1 | - | - | - | - | CISCO | 95XEAJ15.G06 | Folded | I-PEX | |
| 5 | - | - | 4 | 4 | - | - | CISCO | 95XEAJ15.G12 | H-POL Alford loop | I-PEX | |
| 6 | - | - | 3 | 3 | - | - | CISCO | 95XEAJ15.G11 | H-POL Alford loop | I-PEX | |
| 7 | - | - | 1 | 1 | - | - | CISCO | 95XEAJ15.G09 | H-POL Alford loop | I-PEX | |
| 8 | - | - | 2 | 2 | - | - | CISCO | 95XEAJ15.G10 | H-POL Alford loop | I-PEX | |
| 9 | - | - | - | - | 1 | - | CISCO | 95XEAJ15.G07 | PIFA | I-PEX | |
| 10 | - | - | - | - | 2 | - | CISCO | 95XEAJ15.G08 | PIFA | I-PEX | |
| 11 | - | - | - | - | - | 1 | CISCO | 95XEAJ15.G13 | PIFA | I-PEX | |

Note1: R means Radio.
Note2:

| Ant. | Antenna Gain (dBi) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | WLAN 2.4GHz | WLAN 5GHz UNII 1 | WLAN 5GHz UNII 2A | WLAN 5GHz UNII 2C | WLAN 5GHz UNII 3 | WLAN 6GHz UNII 5 | WLAN 6GHz UNII 6 | WLAN 6GHz UNII 7 | WLAN 6GHz UNII 8 | Bluetooth | Remark |
| 1 | 2.79 | 4.27 | 3.94 | 1.88 | 2.57 | - | - | - | - | - | Radio 1 |
| 2 | 2.43 | 5.09 | 5.16 | 2.89 | 2.72 | - | - | - | - | - | Radio 1 |
| 3 | 2.79 | 2.78 | 2.74 | 2.66 | 1.91 | - | - | - | - | - | Radio 1 |
| 4 | 2.62 | 5.24 | 5.46 | 4.26 | 3.94 | - | - | - | - | - | Radio 1 |
| 5 | - | - | - | 2.98 | 4.19 | 2.4 | 2.41 | 1.39 | 0.77 | - | Radio 2 |
| 6 | - | - | - | 3.46 | 4.94 | 2.95 | 1.96 | 1.32 | 0.87 | - | Radio 2 |
| 7 | - | - | - | 3.42 | 4.36 | 2.95 | 2.31 | 0.99 | 0.61 | - | Radio 2 |
| 8 | - | - | - | 3.67 | 4.23 | 2.91 | 3.96 | 1.59 | 0.33 | - | Radio 2 |
| 9 | 3.3 | 4.0 | | | | 5.3 | | | | - | Radio 3 |
| 10 | 3.3 | 4.0 | | | | 5.3 | | | | - | Radio 3 |
| 11 | - | - | - | - | - | - | - | - | - | 3.8 | Radio 4 |

Note3:

| Directional Gain (dBi) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Item | WLAN 2.4GHz | WLAN 5GHz UNII 1 | WLAN 5GHz UNII 2A | WLAN 5GHz UNII 2C | WLAN 5GHz UNII 3 | WLAN 6GHz UNII 5 | WLAN 6GHz UNII 6 | WLAN 6GHz UNII 7 | WLAN 6GHz UNII 8 | Remark |
| 2T1S | 4.29 | 5.39 | 5.26 | 4.69 | 4.16 | - | - | - | - | Radio 1 |
| 2T2S | 1.28 | 2.99 | 2.99 | 2.02 | 1.65 | - | - | - | - | |
| 4T1S | 6.92 | 6.99 | 7.25 | 6.62 | 5.97 | - | - | - | - | |
| 4T2S | 3.92 | 5.24 | 5.46 | 4.26 | 3.94 | - | - | - | - | |
| 4T4S | 0.93 | 1.09 | 1.55 | 0.94 | 0.27 | - | - | - | - | |
| 2T1S | - | - | - | 5.82 | 5.21 | 5.38 | 4.47 | 4.13 | 3.08 | Radio 2 |
| 2T2S | - | - | - | 2.82 | 2.53 | 2.37 | 1.59 | 1.12 | 0.09 | |
| 4T1S | - | - | - | 8.6 | 7.96 | 7.45 | 6.03 | 6.05 | 4.51 | |
| 4T2S | - | - | - | 5.6 | 4.96 | 4.45 | 3.96 | 3.05 | 1.51 | |
| 4T4S | - | - | - | 2.59 | 2.12 | 1.51 | 0.27 | 0.07 | -1.19 | |

Note4: The above information (except gain of Radio 1 and Radio 2) was declared by manufacturer.

Note5: Radio 1 (WLAN 2.4/5GHz UNII 1~3), Radio 2 (5GHz UNII 2C~3/6GHz UNII 5~8): The directional gain is measured which follows the procedure of KDB 662911 D03. The antenna report is provided in the operational description for this application.

Note6: The EUT has eleven antennas.

**For WLAN 2.4GHz function (Radio 1):**
**For IEEE 802.11b/g/n/VHT/ax mode (1TX,2TX,4TX/4RX):**
For 1TX
Only Port 1 can be use as transmitting antenna.
For 2TX
Only Port 1 and Port 2 can be use as transmitting antenna.
Port 1 and Port 2 could transmit simultaneously.
For 4TX
Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.
For 4RX
Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.
Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.
**For WLAN 5GHz function (Radio 1 and Radio 2):**
**For IEEE 802.11a/n/ac/ax mode (1TX,2TX,4TX/4RX):**
For 1TX
Only Port 1 can be use as transmitting antenna.
For 2TX
Only Port 1 and Port 2 can be use as transmitting antenna.
Port 1 and Port 2 could transmit simultaneously.
For 4TX
Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.
For 4RX
Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.
Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.
**For 6GHz function (Radio 2):**
**For IEEE 802.11ax mode (1TX,2TX,4TX/4RX):**
For 1TX
Only Port 1 can be use as transmitting antenna.
For 2TX
Only Port 1 and Port 2 can be use as transmitting antenna.
Port 1 and Port 2 could transmit simultaneously.
For 4TX
Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.
For 4RX
Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.
Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.
**For Scanning Radio 3:**
**For WLAN 2.4GHz function**
**For 802.11b/g/n/VHT/ax mode (1TX/2RX):**
For 1TX
Only Port 1 can be use as transmitting antenna.
For 2RX
Port 1 and Port 2 can be used as receiving antennas.
Port 1 and Port 2 could receive simultaneously.
**For WLAN 5GHz function**
**For IEEE 802.11a/n/ac/ax mode (1TX/2RX):**
For 1TX
Only Port 1 can be use as transmitting antenna.
For 2RX
Port 1 and Port 2 can be used as receiving antennas.
Port 1 and Port 2 could receive simultaneously.
**For 6GHz function:**
**For IEEE 802.11ax mode (1TX/2RX):**
For 1TX
Only Port 1 can be use as transmitting antenna.
For 2RX
Port 1 and Port 2 can be used as receiving antennas.
Port 1 and Port 2 could receive simultaneously.
**For Bluetooth function (Radio 4):**
**For Bluetooth mode (1TX/1RX):**
Only Port 1 can be used as transmitting/receiving antenna.

### 1.1.4 Mode Test Duty Cycle

**For Radio 1:**
**For 20/40/80MHz**
**For 1T1S:**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11a | 0.928 | 0.32 | 1.433m | 1k |
| 802.11ax HEW20 | 0.94 | 0.27 | 5.445m | 300 |
| 802.11ax HEW40 | 0.957 | 0.19 | 5.445m | 300 |
| 802.11ax HEW80 | 0.934 | 0.3 | 5.445m | 300 |

**For 2T1S:**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11a | 0.928 | 0.32 | 1.433m | 1k |
| 802.11ax HEW20 | 0.954 | 0.2 | 5.446m | 300 |
| 802.11ax HEW40 | 0.956 | 0.2 | 5.446m | 300 |
| 802.11ax HEW80 | 0.952 | 0.21 | 5.446m | 300 |

**For 4T1S:**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11a | 0.928 | 0.32 | 1.433m | 1k |
| 802.11ax HEW20 | 0.954 | 0.2 | 5.446m | 300 |
| 802.11ax HEW40 | 0.956 | 0.2 | 5.446m | 300 |
| 802.11ax HEW80 | 0.952 | 0.21 | 5.446m | 300 |

**For 80+80MHz**
**For 2T2S:**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11ax HEW80+80 | 0.954 | 0.2 | 5.446m | 300 |

**For 4T2S:**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11ax HEW80+80 | 0.94 | 0.27 | 5.445m | 300 |

**F or Radio 2:**
**For 20/40/80/160MHz**
**For 1T1S:**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11a | 0.926 | 0.33 | 1.433m | 1k |
| 802.11ax HEW20 | 0.96 | 0.18 | 5.309m | 300 |
| 802.11ax HEW40 | 0.913 | 0.4 | 5.445m | 300 |
| 802.11ax HEW80 | 0.913 | 0.4 | 5.445m | 300 |
| 802.11ax HEW160 | 0.906 | 0.43 | 5.445m | 300 |

**For 2T1S:**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11a | 0.938 | 0.28 | 1.433m | 1k |
| 802.11ax HEW20 | 0.926 | 0.33 | 5.446m | 300 |
| 802.11ax HEW40 | 0.933 | 0.3 | 5.446m | 300 |
| 802.11ax HEW80 | 0.927 | 0.33 | 5.446m | 300 |
| 802.11ax HEW160 | 0.93 | 0.32 | 5.446m | 300 |

**For 4T1S:**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11a | 0.938 | 0.28 | 1.433m | 1k |
| 802.11ax HEW20 | 0.926 | 0.33 | 5.446m | 300 |
| 802.11ax HEW40 | 0.933 | 0.3 | 5.446m | 300 |
| 802.11ax HEW80 | 0.927 | 0.33 | 5.446m | 300 |
| 802.11ax HEW160 | 0.93 | 0.32 | 5.446m | 300 |

**For Radio 3:**
**For 20/40/80/160MHz**
**For 1T1S:**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11a | 0.925 | 0.34 | 1.433m | 1k |
| 802.11ax HEW20 | 0.943 | 0.25 | 5.446m | 300 |
| 802.11ax HEW40 | 0.938 | 0.28 | 5.446m | 300 |
| 802.11ax HEW80 | 0.937 | 0.28 | 5.446m | 300 |
| 802.11ax HEW160 | 0.934 | 0.3 | 5.446m | 300 |

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

### 1.1.5 EUT Operational Condition

| | | | | |
|---|---|---|---|---|
| **EUT Power Type** | From Power Adapter or PoE | | | |
| **Beamforming Function** | ☒ | With beamforming | ☐ | Without beamforming |
| | The product has beamforming function for n/VHT/ax in Radio1-2.4GHz, n/ac/ax in Radio1, 2-5GHz and ax in Radio2-6GHz. | | | |
| **Weather Band** | ☒ | With 5600~5650MHz | ☐ | Without 5600~5650MHz |
| **Function** | ☐ | Outdoor P2M | ☒ | Indoor P2M |
| | ☐ | Fixed P2P | ☐ | Client |
| **TPC Function** | ☒ | With TPC | ☐ | Without TPC |
| **Test Software Version** | Tera team 4.75 | | | |

Note: The above information was declared by manufacturer.

### 1.1.6 Table for Multiple Listing

| Equipment Name | Model Name | SW | R1: 2.4GHz | R1: 5GHz Low Band or R1: 5GHz Full Band | R2: 5GHz High band or R2: 6GHz | R3: 2.4GHz/ 5GHz/ 6GHz | R4: Bluetooth |
|---|---|---|---|---|---|---|---|
| Catalyst Wireless 9166I Wi-Fi 6E Series Access Point | CW9166I-B | Cisco | V (1/2/4TX +4RX) | V (With 80+80MHz) | V | V | V |
| | CW9166I-MR | Meraki | V (1/2/4TX +4RX) | V (Without 80+80MHz) | V | V | V |
| Catalyst Wireless 9164I Wi-Fi 6E Series Access Point | CW9164I-B | Cisco | V (1/2TX +2RX) | V (5GHz Full Band only, with 80+80MHz) | V (6GHz only) | V | V |
| | CW9164I-MR | Meraki | V (1/2TX +2RX) | V (5GHz Full Band only, without 80+80MHz) | V (6GHz only) | V | V |

Note1: From the above models, model: CW9166I-B was selected as representative model for the test and its data was recorded in this report.
Note2: The above information was declared by manufacturer.

### 1.1.7 Table for Radio function

| Function / Radio | WLAN 2.4GHz | WLAN 5GHz UNII 1~2A | WLAN 5GHz UNII 2C~3 | WLAN 6GHz UNII 5~8 | Bluetooth |
|---|---|---|---|---|---|
| 1 (Iron Radio) | V | V | V | - | - |
| 2 (Pine Radio) | - | - | V | V | - |
| 3 (Scanning Radio) | V | V | V | V | - |
| 4 | - | - | - | - | V |

Note1 : The above information was declared by manufacturer and
Note2：The Radio 2 and Radio 3 can't operate simultaneously.

### 1.1.8 Table for EUT Operation Function

| Mode | Operation Function |
|---|---|
| 1 | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth |
| 2 | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Bluetooth |
| 3 | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Bluetooth |
| 4 | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Bluetooth |
| 5 | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Bluetooth |
| 6 | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Bluetooth |

Note: The above information was declared by manufacturer.

## 1.2 Applicable 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
- FCC KDB 789033 D02 v02r01

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

- FCC KDB 662911 D03 v01
- FCC KDB 412172 D01 v01r01
- FCC KDB 414788 D01 v01r01

## 1.3 Testing Location Information

| Testing Location Information | |
|---|---|
| Test Lab.：Sporton International Inc. Hsinchu Laboratory | |
| Hsinchu (TAF: 3787) | ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)<br>TEL: 886-3-656-9065 FAX: 886-3-656-9085<br>Test site Designation No. TW3787 with FCC.<br>Conformity Assessment Body Identifier (CABID) TW3787 with ISED. |

| Test Condition | Test Site No. | Test Engineer | Test Environment (°C / %) | Test Date |
|---|---|---|---|---|
| RF Conducted | TH01-CB | Owen Hsu | 20.3~20.7 / 60~62 | Jan. 22, 2022~ May 13, 2022 |
| Radiated for below 1GHz | 03CH05-CB | Eason Chen | 23.3-24.4 / 57-59 | Mar. 14, 2022~ Apr. 27, 2022 |
| Radiated for cabinet | 03CH04-CB | Simmon Cheng | 23.8-24.9 / 55-58 | Feb. 26, 2022~ Apr. 29, 2022 |
| Radiated for co-location | 03CH03-CB | Simmon Cheng | 23.5-24.6 / 55-59 | Apr. 19, 2022 |
| AC Conduction | CO01-CB | Joe Chu | 20~22 / 60~62 | Apr. 06, 2022~ Apr. 07, 2022 |

## 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) | 3.4 dB | Confidence levels of 95% |
| Radiated Emission (9kHz ~ 30MHz) | 4.2 dB | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 5.5 dB | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz) | 4.7 dB | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz) | 4.2 dB | Confidence levels of 95% |
| Conducted Emission | 2.5 dB | Confidence levels of 95% |
| Output Power Measurement | 1.3 dB | Confidence levels of 95% |
| Power Density Measurement | 2.5 dB | Confidence levels of 95% |
| Bandwidth Measurement | 0.9% | Confidence levels of 95% |

# 2 Test Configuration of EUT

## 2.1 Test Channel Mode

**For Radio 1:**
**<Non-Beamforming Mode>**
**For 20/40/80MHz**
**For 1T1S:**

| Mode | Power Setting |
|---|---|
| 802.11a_Nss1,(6Mbps)_1TX | - |
| 5180MHz | 17 |
| 5200MHz | 17 |
| 5240MHz | 17 |
| 5260MHz | 17 |
| 5300MHz | 17 |
| 5320MHz | 17 |
| 5500MHz | 17 |
| 5580MHz | 17 |
| 5700MHz | 17 |
| 5720MHz Straddle 5.47-5.725GHz | 17 |
| 5720MHz Straddle 5.725-5.85GHz | 17 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | - |
| 5180MHz | 17 |
| 5200MHz | 17 |
| 5240MHz | 17 |
| 5260MHz | 17 |
| 5300MHz | 17 |
| 5320MHz | 17 |
| 5500MHz | 17 |
| 5580MHz | 17 |
| 5700MHz | 17 |
| 5720MHz Straddle 5.47-5.725GHz | 17 |
| 5720MHz Straddle 5.725-5.85GHz | 17 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | - |
| 5190MHz | 17 |
| 5230MHz | 17 |

| Mode | Power Setting |
|---|---|
| 5270MHz | 17 |
| 5310MHz | 17 |
| 5510MHz | 17 |
| 5550MHz | 17 |
| 5670MHz | 17 |
| 5710MHz Straddle 5.47-5.725GHz | 17 |
| 5710MHz Straddle 5.725-5.85GHz | 17 |
| 5755MHz | 17 |
| 5795MHz | 17 |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | - |
| 5210MHz | 17 |
| 5290MHz | 17 |
| 5530MHz | 17 |
| 5610MHz | 17 |
| 5690MHz Straddle 5.47-5.725GHz | 17 |
| 5690MHz Straddle 5.725-5.85GHz | 17 |
| 5775MHz | 17 |

**For 2T1S:**

| Mode | Power Setting |
|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | - |
| 5180MHz | 17 |
| 5200MHz | 17 |
| 5240MHz | 17 |
| 5260MHz | 17 |
| 5300MHz | 17 |
| 5320MHz | 17 |
| 5500MHz | 17 |
| 5580MHz | 17 |
| 5700MHz | 17 |
| 5720MHz Straddle 5.47-5.725GHz | 17 |
| 5720MHz Straddle 5.725-5.85GHz | 17 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | - |
| 5180MHz | 17 |
| 5200MHz | 17 |
| 5240MHz | 17 |
| 5260MHz | 17 |
| 5300MHz | 17 |
| 5320MHz | 17 |
| 5500MHz | 17 |
| 5580MHz | 17 |
| 5700MHz | 15 |
| 5720MHz Straddle 5.47-5.725GHz | 17 |
| 5720MHz Straddle 5.725-5.85GHz | 17 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | - |
| 5190MHz | 16 |
| 5230MHz | 17 |
| 5270MHz | 17 |
| 5310MHz | 15 |
| 5510MHz | 15 |
| 5550MHz | 17 |
| 5670MHz | 17 |
| 5710MHz Straddle 5.47-5.725GHz | 17 |

| Mode | Power Setting |
|---|---|
| 5710MHz Straddle 5.725-5.85GHz | 17 |
| 5755MHz | 17 |
| 5795MHz | 17 |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | - |
| 5210MHz | 15 |
| 5290MHz | 17 |
| 5530MHz | 15 |
| 5610MHz | 17 |
| 5690MHz Straddle 5.47-5.725GHz | 17 |
| 5690MHz Straddle 5.725-5.85GHz | 17 |
| 5775MHz | 17 |

**For 4T1S:**

| Mode | Power Setting |
|---|---|
| 802.11a_Nss1,(6Mbps)_4TX | - |
| 5180MHz | 17 |
| 5200MHz | 17 |
| 5240MHz | 17 |
| 5260MHz | 15 |
| 5300MHz | 15 |
| 5320MHz | 15 |
| 5500MHz | 16 |
| 5580MHz | 16 |
| 5700MHz | 15 |
| 5720MHz Straddle 5.47-5.725GHz | 16 |
| 5720MHz Straddle 5.725-5.85GHz | 16 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - |
| 5180MHz | 17 |
| 5200MHz | 17 |
| 5240MHz | 17 |
| 5260MHz | 16 |
| 5300MHz | 16 |
| 5320MHz | 15 |
| 5500MHz | 15 |
| 5580MHz | 16 |
| 5700MHz | 14 |
| 5720MHz Straddle 5.47-5.725GHz | 16 |
| 5720MHz Straddle 5.725-5.85GHz | 16 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - |
| 5190MHz | 14 |
| 5230MHz | 17 |
| 5270MHz | 16 |
| 5310MHz | 14 |
| 5510MHz | 14 |
| 5550MHz | 16 |
| 5670MHz | 17 |
| 5710MHz Straddle 5.47-5.725GHz | 17 |

| Mode | Power Setting |
|---|---|
| 5710MHz Straddle 5.725-5.85GHz | 17 |
| 5755MHz | 17 |
| 5795MHz | 17 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | - |
| 5210MHz | 13 |
| 5290MHz | 13 |
| 5530MHz | 14 |
| 5610MHz | 17 |
| 5690MHz Straddle 5.47-5.725GHz | 17 |
| 5690MHz Straddle 5.725-5.85GHz | 17 |
| 5775MHz | 17 |

**For 80+80MHz**
**For 2T2S:**

| Mode | Power Setting |
|---|---|
| 802.11ax HEW80+80_Nss1,(MCS0)_1TX | - |
| #5210MHz,5290MHz | 15 |
| 802.11ax HEW80+80_Nss1,(MCS0)_1TX | - |
| 5210MHz,#5290MHz | 15 |
| 802.11ax HEW80+80_Nss2,(MCS0)_2TX | - |
| #5530MHz,#5610MHz | 15 |

**For 4T2S:**

| Mode | Power Setting |
|---|---|
| 802.11ax HEW80+80_Nss1,(MCS0)_2TX | - |
| #5210MHz,5290MHz | 9 |
| 802.11ax HEW80+80_Nss1,(MCS0)_2TX | - |
| 5210MHz,#5290MHz | 9 |
| 802.11ax HEW80+80_Nss2,(MCS0)_4TX | - |
| #5530MHz,#5610MHz | 13 |

**<Beamforming Mode>**
**For 20/40/80MHz**
**For 2T1S:**

| Mode | Power Setting |
|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | - |
| 5180MHz | 17 |
| 5200MHz | 17 |
| 5240MHz | 17 |
| 5260MHz | 17 |
| 5300MHz | 17 |
| 5320MHz | 17 |
| 5500MHz | 17 |
| 5580MHz | 17 |
| 5700MHz | 15 |
| 5720MHz Straddle 5.47-5.725GHz | 17 |
| 5720MHz Straddle 5.725-5.85GHz | 17 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | - |
| 5190MHz | 16 |
| 5230MHz | 17 |
| 5270MHz | 17 |
| 5310MHz | 15 |
| 5510MHz | 15 |
| 5550MHz | 17 |
| 5670MHz | 17 |
| 5710MHz Straddle 5.47-5.725GHz | 17 |
| 5710MHz Straddle 5.725-5.85GHz | 17 |
| 5755MHz | 17 |
| 5795MHz | 17 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | - |
| 5210MHz | 15 |
| 5290MHz | 17 |
| 5530MHz | 15 |
| 5610MHz | 17 |
| 5690MHz Straddle 5.47-5.725GHz | 17 |
| 5690MHz Straddle 5.725-5.85GHz | 17 |
| 5775MHz | 17 |

**For 4T1S:**

| Mode | Power Setting |
|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | - |
| 5180MHz | 17 |
| 5200MHz | 17 |
| 5240MHz | 17 |
| 5260MHz | 15 |
| 5300MHz | 15 |
| 5320MHz | 15 |
| 5500MHz | 15 |
| 5580MHz | 16 |
| 5700MHz | 14 |
| 5720MHz Straddle 5.47-5.725GHz | 16 |
| 5720MHz Straddle 5.725-5.85GHz | 16 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | - |
| 5190MHz | 14 |
| 5230MHz | 17 |
| 5270MHz | 15 |
| 5310MHz | 14 |
| 5510MHz | 14 |
| 5550MHz | 16 |
| 5670MHz | 16 |
| 5710MHz Straddle 5.47-5.725GHz | 17 |
| 5710MHz Straddle 5.725-5.85GHz | 17 |
| 5755MHz | 17 |
| 5795MHz | 17 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | - |
| 5210MHz | 13 |
| 5290MHz | 13 |
| 5530MHz | 14 |
| 5610MHz | 16 |
| 5690MHz Straddle 5.47-5.725GHz | 17 |
| 5690MHz Straddle 5.725-5.85GHz | 17 |
| 5775MHz | 17 |

**For 80+80MHz**
**For 4T2S:**

| Mode | Power Setting |
|---|---|
| 802.11ax HEW80+80-BF_Nss1,(MCS0)_2TX | - |
| #5210MHz,5290MHz | 9 |
| 802.11ax HEW80+80-BF_Nss1,(MCS0)_2TX | - |
| 5210MHz,#5290MHz | 9 |
| 802.11ax HEW80+80-BF_Nss2,(MCS0)_4TX | - |
| #5530MHz,#5610MHz | 13 |

**For Radio 2:**
**<Non-Beamforming Mode>**
**For 20/40/80/160MHz**
**For 1T1S:**

| Mode | Power Setting |
|---|---|
| 802.11a_Nss1,(6Mbps)_1TX | - |
| 5500MHz | 17 |
| 5580MHz | 17 |
| 5700MHz | 17 |
| 5720MHz Straddle 5.47-5.725GHz | 17 |
| 5720MHz Straddle 5.725-5.85GHz | 17 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | - |
| 5500MHz | 16 |
| 5580MHz | 17 |
| 5700MHz | 16 |
| 5720MHz Straddle 5.47-5.725GHz | 17 |
| 5720MHz Straddle 5.725-5.85GHz | 17 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | - |
| 5510MHz | 15 |
| 5550MHz | 17 |
| 5670MHz | 17 |
| 5710MHz Straddle 5.47-5.725GHz | 17 |
| 5710MHz Straddle 5.725-5.85GHz | 17 |
| 5755MHz | 17 |
| 5795MHz | 17 |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | - |
| 5530MHz | 15 |
| 5610MHz | 17 |
| 5690MHz Straddle 5.47-5.725GHz | 17 |
| 5690MHz Straddle 5.725-5.85GHz | 17 |
| 5775MHz | 17 |
| 802.11ax HEW160_Nss1,(MCS0)_1TX | - |
| 5570MHz | 16 |

**For 2T1S:**

| Mode | Power Setting |
|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | - |
| 5500MHz | 16 |
| 5580MHz | 17 |
| 5700MHz | 16 |
| 5720MHz Straddle 5.47-5.725GHz | 17 |
| 5720MHz Straddle 5.725-5.85GHz | 17 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | - |
| 5500MHz | 15 |
| 5580MHz | 17 |
| 5700MHz | 15 |
| 5720MHz Straddle 5.47-5.725GHz | 17 |
| 5720MHz Straddle 5.725-5.85GHz | 17 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | - |
| 5510MHz | 14 |
| 5550MHz | 17 |
| 5670MHz | 15 |
| 5710MHz Straddle 5.47-5.725GHz | 17 |
| 5710MHz Straddle 5.725-5.85GHz | 17 |
| 5755MHz | 17 |
| 5795MHz | 17 |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | - |
| 5530MHz | 14 |
| 5610MHz | 17 |
| 5690MHz Straddle 5.47-5.725GHz | 17 |
| 5690MHz Straddle 5.725-5.85GHz | 17 |
| 5775MHz | 17 |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | - |
| 5570MHz | 15 |

**For 4T1S:**

| Mode | Power Setting |
|---|---|
| 802.11a_Nss1,(6Mbps)_4TX | - |
| 5500MHz | 14 |
| 5580MHz | 14 |
| 5700MHz | 14 |
| 5720MHz Straddle 5.47-5.725GHz | 14 |
| 5720MHz Straddle 5.725-5.85GHz | 14 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - |
| 5500MHz | 14 |
| 5580MHz | 14 |
| 5700MHz | 14 |
| 5720MHz Straddle 5.47-5.725GHz | 14 |
| 5720MHz Straddle 5.725-5.85GHz | 14 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - |
| 5510MHz | 13 |
| 5550MHz | 17 |
| 5670MHz | 14 |
| 5710MHz Straddle 5.47-5.725GHz | 17 |
| 5710MHz Straddle 5.725-5.85GHz | 17 |
| 5755MHz | 17 |
| 5795MHz | 17 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | - |
| 5530MHz | 11 |
| 5610MHz | 14 |
| 5690MHz Straddle 5.47-5.725GHz | 17 |
| 5690MHz Straddle 5.725-5.85GHz | 17 |
| 5775MHz | 17 |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | - |
| 5570MHz | 10 |

**<Beamforming Mode>**
**For 20/40/80/160MHz**
**For 2T1S:**

| Mode | Power Setting |
|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | - |
| 5500MHz | 15 |
| 5580MHz | 17 |
| 5700MHz | 15 |
| 5720MHz Straddle 5.47-5.725GHz | 17 |
| 5720MHz Straddle 5.725-5.85GHz | 17 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | - |
| 5510MHz | 14 |
| 5550MHz | 17 |
| 5670MHz | 15 |
| 5710MHz Straddle 5.47-5.725GHz | 17 |
| 5710MHz Straddle 5.725-5.85GHz | 17 |
| 5755MHz | 17 |
| 5795MHz | 17 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | - |
| 5530MHz | 14 |
| 5610MHz | 17 |
| 5690MHz Straddle 5.47-5.725GHz | 17 |
| 5690MHz Straddle 5.725-5.85GHz | 17 |
| 5775MHz | 17 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | - |
| 5570MHz | 15 |

**For 4T1S:**

| Mode | Power Setting |
|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | - |
| 5500MHz | 14 |
| 5580MHz | 14 |
| 5700MHz | 14 |
| 5720MHz Straddle 5.47-5.725GHz | 14 |
| 5720MHz Straddle 5.725-5.85GHz | 14 |
| 5745MHz | 17 |
| 5785MHz | 17 |
| 5825MHz | 17 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | - |
| 5510MHz | 13 |
| 5550MHz | 14.5 |
| 5670MHz | 14 |
| 5710MHz Straddle 5.47-5.725GHz | 14.5 |
| 5710MHz Straddle 5.725-5.85GHz | 14.5 |
| 5755MHz | 17 |
| 5795MHz | 17 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | - |
| 5530MHz | 11 |
| 5610MHz | 14 |
| 5690MHz Straddle 5.47-5.725GHz | 14.5 |
| 5690MHz Straddle 5.725-5.85GHz | 14.5 |
| 5775MHz | 17 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | - |
| 5570MHz | 10 |

**For Radio 3:**
**For 20/40/80/160MHz**
**For 1T1S:**

| Mode | Power Setting |
|---|---|
| 802.11a_Nss1,(6Mbps)_1TX | - |
| 5180MHz | 18 |
| 5200MHz | 19.5 |
| 5240MHz | 19.5 |
| 5260MHz | 19.5 |
| 5300MHz | 20 |
| 5320MHz | 18.5 |
| 5500MHz | 18.5 |
| 5580MHz | 19.5 |
| 5700MHz | 18.5 |
| 5720MHz Straddle 5.47-5.725GHz | 20.5 |
| 5720MHz Straddle 5.725-5.85GHz | 20.5 |
| 5745MHz | 20 |
| 5785MHz | 20 |
| 5825MHz | 20 |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | - |
| 5180MHz | 17 |
| 5200MHz | 19 |
| 5240MHz | 19 |
| 5260MHz | 19 |
| 5300MHz | 19.5 |
| 5320MHz | 18 |
| 5500MHz | 17.5 |
| 5580MHz | 19 |
| 5700MHz | 17 |
| 5720MHz Straddle 5.47-5.725GHz | 20.5 |
| 5720MHz Straddle 5.725-5.85GHz | 20.5 |
| 5745MHz | 19.5 |
| 5785MHz | 19.5 |
| 5825MHz | 19 |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | - |
| 5190MHz | 16.5 |
| 5230MHz | 19.5 |
| 5270MHz | 19.5 |
| 5310MHz | 17 |
| 5510MHz | 16.5 |
| 5550MHz | 19.5 |
| 5670MHz | 18 |

| Mode | Power Setting |
|---|---|
| 5710MHz Straddle 5.47-5.725GHz | 19.5 |
| 5710MHz Straddle 5.725-5.85GHz | 19.5 |
| 5755MHz | 19.5 |
| 5795MHz | 19.5 |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | - |
| 5210MHz | 16 |
| 5290MHz | 16.5 |
| 5530MHz | 16.5 |
| 5610MHz | 19 |
| 5690MHz Straddle 5.47-5.725GHz | 19.5 |
| 5690MHz Straddle 5.725-5.85GHz | 19.5 |
| 5775MHz | 19.5 |
| 802.11ax HEW160_Nss1,(MCS0)_1TX | - |
| 5250MHz Straddle 5.15-5.25GHz | 17 |
| 5250MHz Straddle 5.25-5.35GHz | 17 |
| 5570MHz | 17 |

Note1: Evaluated HEW20/HEW40/HEW80/HEW160 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160 mode are the same or lower than HEW20/HEW40/HEW80/HEW160.
Note2: The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

## 2.2 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | AC power-line conducted emissions |
| **Condition** | AC power-line conducted measurement for line and neutral<br>Test Voltage: 120Vac / 60Hz |
| **Operating Mode** | Normal Link(WLAN), CTX(Bluetooth) |
| 1 | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+Adapter |
| 2 | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Bluetooth+Adapter |
| 3 | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Bluetooth+Adapter |
| 4 | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Bluetooth+Adapter |
| 5 | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Bluetooth+Adapter |
| 6 | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Bluetooth+Adapter |
| Mode 1 has been evaluated to be the worst case among Mode 1~6, thus measurement for Mode 7 ~ 11 will follow this same test mode. | |
| 7 | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE1 |
| 8 | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE2 |
| 9 | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE3 |
| 10 | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE4 |
| 11 | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE5 |
| For operating mode 7 is the worst case and it was record in this test report. | |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Emission Bandwidth<br>Maximum Output Power<br>Power Spectral Density |
| **Test Condition** | Conducted measurement at transmit chains |
| **Operating Mode** | |
| 1 | R1: 1T1S |
| 2 | R1: 2T1S |
| 3 | R1: 4T1S |
| 4 | R2: 1T1S |
| 5 | R2: 2T1S |
| 6 | R2: 4T1S |
| 7 | R3: 1T1S |
| 8 | R1: 2T2S(80+80MHz) |
| 9 | R1: 4T2S(80+80MHz) |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Unwanted Emissions |
| **Test Condition** | Radiated measurement<br>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** | Normal Link(WLAN), CTX(Bluetooth) |
| 1 | EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+Adapter |
| 2 | EUT in Y axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+Adapter |
| 3 | EUT in X axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+Adapter |
| Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 ~8 will follow this same test mode. | |
| 4 | EUT in X axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Bluetooth+Adapter |
| 5 | EUT in X axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Bluetooth+Adapter |
| 6 | EUT in X axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Bluetooth+Adapter |
| 7 | EUT in X axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Bluetooth+Adapter |
| 8 | EUT in X axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Bluetooth+Adapter |
| Mode 1 has been evaluated to be the worst case among Mode 1~8, thus measurement for Mode 9 ~13 will follow this same test mode. | |
| 9 | EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE1 |
| 10 | EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE2 |
| 11 | EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE3 |
| 12 | EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE4 |
| 13 | EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+PoE5 |
| For operating mode 1 is the worst case and it was record in this test report. | |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Unwanted Emissions |
| **Test Condition** | Conducted measurement at transmit chains |
| **Operating Mode > 1GHz** | CTX(Harmonic and bandedge) |
| 1 | R1: 1T1S |
| 2 | R1: 2T1S |
| 3 | R1: 4T1S |
| 4 | R2: 1T1S |
| 5 | R2: 2T1S |
| 6 | R2: 4T1S |
| 7 | R3: 1T1S |
| 8 | R1: 2T2S(80+80MHz) |
| 9 | R1: 4T2S(80+80MHz) |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Unwanted Emissions |
| **Test Condition** | Radiated measurement<br>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(Cabinet) |
| The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found as below. So the measurement will follow this same test configuration. | |
| 1 | For R1:1T1S_EUT in X axis |
| 2 | For R1:2T1S_EUT in Z axis |
| 3 | For R1:4T1S_EUT in X axis |
| 4 | For R2:1T1S_EUT in X axis |
| 5 | For R2:2T1S_EUT in X axis |
| 6 | For R2:4T1S_EUT in Y axis |
| 7 | For R3:1T1S_EUT in Z axis |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Simultaneous Transmission Analysis - Radiated Emission Co-location |
| **Test Condition** | Radiated measurement |
| **Operating Mode** | Normal Link |
| The EUT was performed at X axis, Y axis and Z axis position for Unwanted Emissions above 1GHz, and the worst case was found as below. So the measurement will follow this same test configuration. | |
| 1 | EUT in X axis - R1: 2.4GHz/5GHz Low Band |
| 2 | EUT in X axis - R1: 2.4GHz/5GHz Full Band |
| For operating mode 1 is the worst case and it was record in this test report. | |
| Refer to Appendix F for Radiated Emission Co-location. | |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation |
| **Operating Mode** | |
| 1 | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth |
| 2 | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Bluetooth |
| 3 | R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Bluetooth |
| 4 | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Bluetooth |
| 5 | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Bluetooth |
| 6 | R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Bluetooth |
| Refer to Sporton Test Report No.: FA1D2822-01 for Co-location RF Exposure Evaluation. | |

Note: The Adapter and PoEs are for measurement only, would not be marketed.

Adapter and PoEs information as below:

| Power | Brand | Model |
|---|---|---|
| Adapter | UMEC | MA-PWR-50WAC |
| PoE 1 | PHIHONG | POEA33U-1ATE |
| PoE 2 | PHIHONG | POE60U-1BT-X |
| PoE 3 | Delta | ADH-65AR B |
| PoE 4 | Microchip | PD-9001GR/AT/AC |
| PoE 5 | PHIHONG | POE29U-1AT |

## 2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

## 2.4 Accessories

Wall-mounted rack*1

## 2.5 Support Equipment

**For AC Conduction:**

| Support Equipment | | | | |
|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** |
| A | LAN PC | DELL | T3400 | N/A |
| B | 2.4G NB | DELL | E6430 | N/A |
| C | Iron 5G NB | DELL | E6430 | N/A |
| D | Pine NB | DELL | E6430 | N/A |
| E | Flash disk3.0 | Transcend | JetFlash-700 | N/A |
| F | PoE 1 | PHIHONG | POEA33U-1ATE | N/A |

**For Radiated (below 1GHz):**

| Support Equipment | | | | |
|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** |
| A | LAN PC | DELL | T3400 | N/A |
| B | NB | DELL | E4300 | N/A |
| C | 2.4G WiFi NB | DELL | E4300 | N/A |
| D | 5G(Iron) WiFi NB | DELL | E4300 | N/A |
| E | 5G(Pine) WiFi NB | DELL | E4300 | N/A |
| F | Flash disk3.0 | Silicon Power | B06 | N/A |
| D | Adapter | UMEC | MA-PWR-50WAC | N/A |

**For Radiated (above 1GHz):**
**For cabinet:**

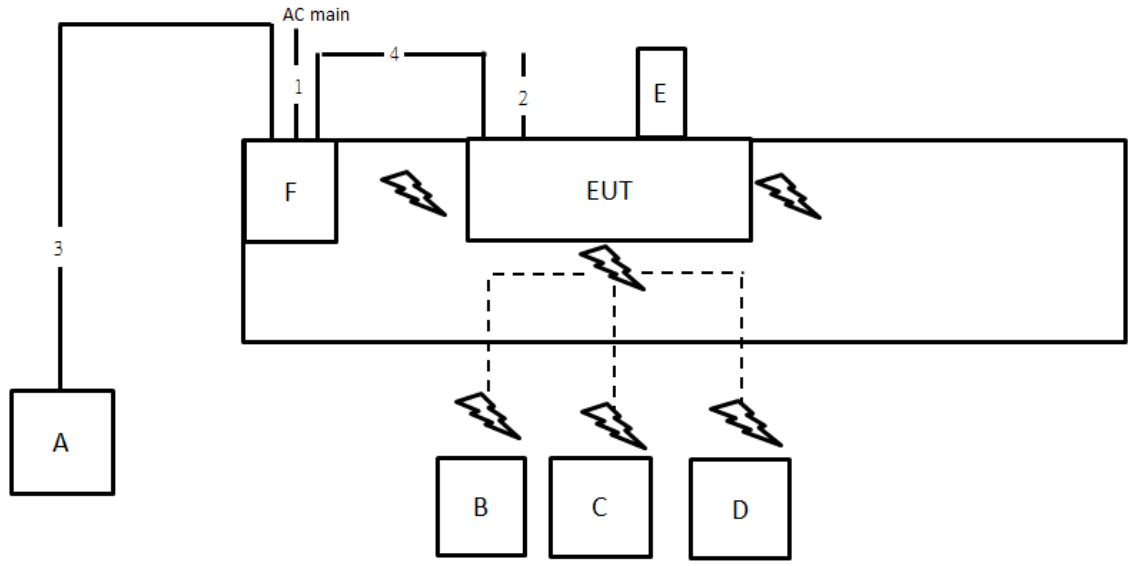
| Support Equipment | | | | |
|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** |
| A | NB | DELL | E4300 | N/A |
| B | PoE 1 | PHIHONG | POEA33U-1ATE | N/A |

**For RF Conducted:**

| Support Equipment | | | | |
|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** |
| A | NB | DELL | E4300 | N/A |
| B | PoE 1 | PHIHONG | POEA33U-1ATE | N/A |

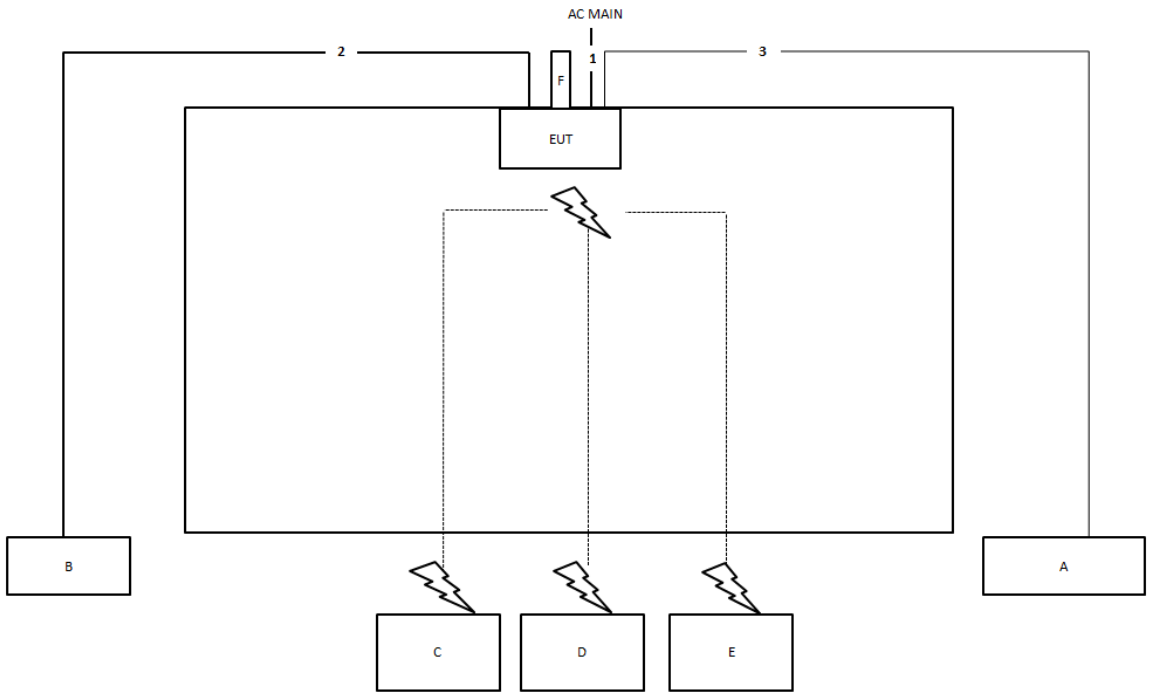
## 2.6 Test Setup Diagram

**Test Setup Diagram – AC Line Conducted Emission Test**



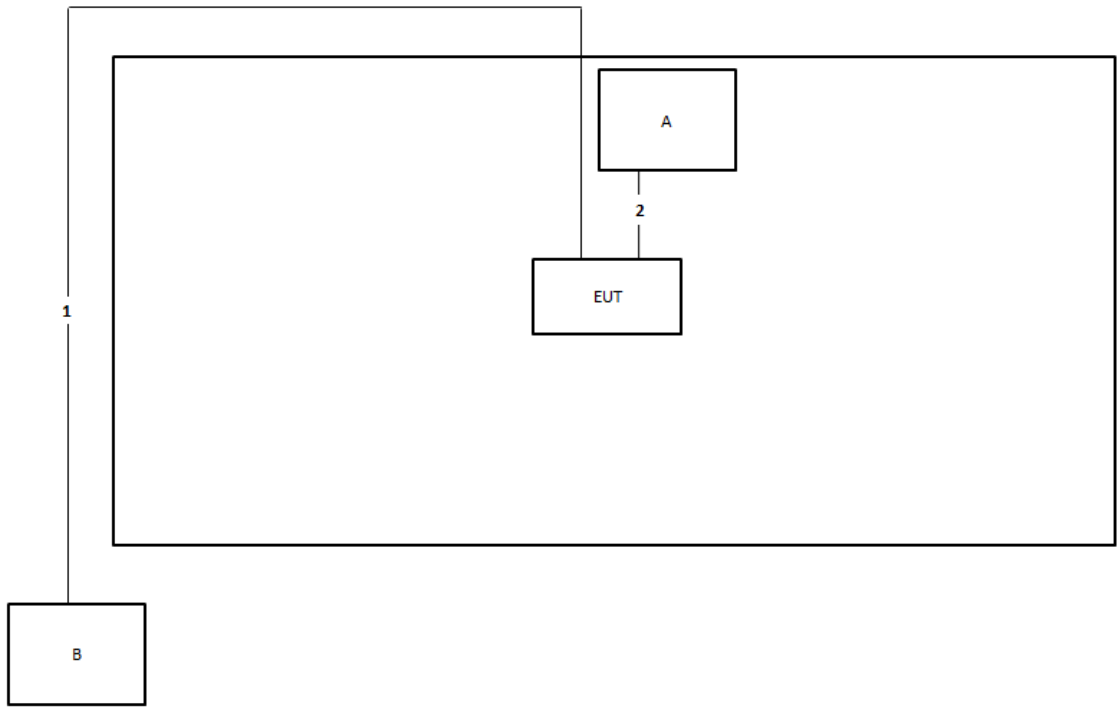

| Item | Connection | Shielded | Length |
|---|---|---|---|
| 1 | Power cable | No | 1.5m |
| 2 | Console cable | No | 1.8m |
| 3 | RJ-45 cable | No | 10m |
| 4 | RJ-45 cable | No | 1.5m |

## Test Setup Diagram - Radiated Test < 1GHz




| Item | Connection | Shielded | Length |
|---|---|---|---|
| 1 | Power cable | No | 1.5m |
| 2 | RJ-45 cable | No | 10m |
| 3 | RJ-45 cable | No | 10m |

**Test Setup Diagram - Radiated Test > 1GHz for Cabinet**




| Item | Connection | Shielded | Length |
|---|---|---|---|
| 1 | RJ-45 cable | No | 10m |
| 2 | Console cable (RS-232 to RJ-45) | No | 0.5m |

# 3 Transmitter Test Result

## 3.1 AC Power-line Conducted Emissions

### 3.1.1 AC Power-line Conducted Emissions Limit

| AC Power-line Conducted Emissions Limit | | |
|---|---|---|
| **Frequency Emission (MHz)** | **Quasi-Peak** | **Average** |
| 0.15-0.5 | 66 - 56 * | 56 - 46 * |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |
| Note 1: * Decreases with the logarithm of the frequency. | | |

### 3.1.2 Measuring Instruments

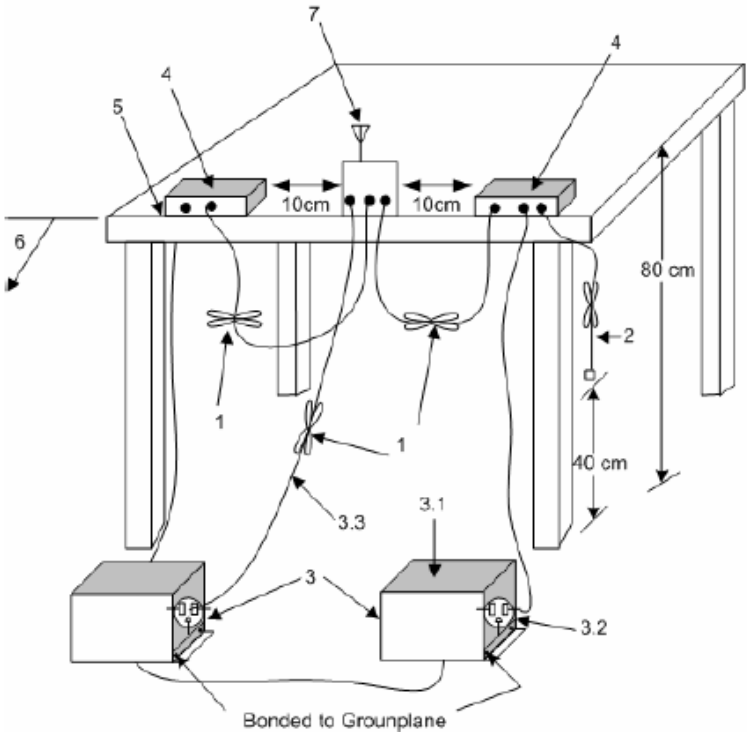
Refer a test equipment and calibration data table in this test report.

### 3.1.3 Test Procedures

| Test Method |
|---|
| ☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions. |

### 3.1.4 Test Setup

**AC Power-line Conducted Emissions**




1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

### 3.1.5 Measurement Results Calculation

The measured Level is calculated using:

a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level

b. Margin = -Limit + Level

### 3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

# 3.2 Emission Bandwidth

## 3.2.1 Emission Bandwidth Limit

| Emission Bandwidth Limit |
|---|
| **UNII Devices** |
| ☒ For the 5.15-5.25 GHz band, N/A |
| ☒ For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. |
| ☒ For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. |
| ☒ For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A.<br>6 dB emission bandwidth ≥ 500kHz. |
| ☐ For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A.<br>6 dB emission bandwidth ≥ 500kHz. |
| **LE-LAN Devices** |
| ☐ For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. |
| ☐ For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz |
| ☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz |
| ☐ For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz. |

## 3.2.2 Measuring Instruments

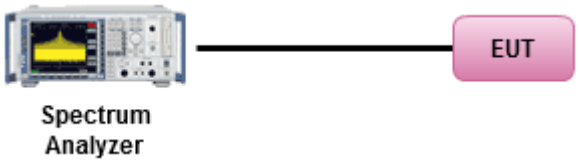
Refer a test equipment and calibration data table in this test report.

## 3.2.3 Test Procedures

| Test Method | |
|---|---|
| ▪ | For the emission bandwidth shall be measured using one of the options below: |
| | ☒ Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement. |
| | ☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing. |
| | ☐ Refer as IC RSS-Gen, clause 4.6 for bandwidth testing. |

## 3.2.4 Test Setup

**Emission Bandwidth**



### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

## 3.3 Maximum Output Power

### 3.3.1 Limit

| Maximum Output Power Limit | |
|---|---|
| **UNII Devices** | |
| ☒ | For the 5.15-5.25 GHz band: |
| | ▪ 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 ≤ 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). |
| ☒ | 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 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). |
| ☒ | 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 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). |
| ☒ | For the 5.725-5.85 GHz band: |
| | ▪ 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. |
| **Maximum EIRP Limit** | |
| ☐ | For the 5.85-5.895 GHz band: |
| | ▪ Indoor AP & subordinate device < 36 dBm |
| | ▪ Client device < 30 dBm |
| **LE-LAN Devices** | |
| ☐ | For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. |
| ☐ | For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz |
| ☐ | For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz |
| ☐ | For the 5.725-5.85 GHz band: |
| | ▪ 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,<br>$G_{TX}$ = the maximum transmitting antenna directional gain in dBi. | |

### 3.3.2 Measuring Instruments

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

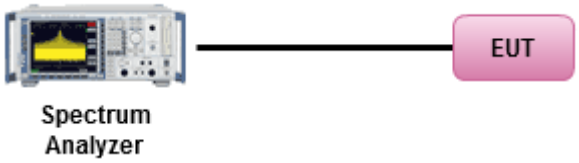
### 3.3.3 Test Procedures

| Test Method | |
|---|---|
| | Average over on/off periods with duty factor |
| | ☒ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging). |
| | ☐ Refer as FCC KDB 789033 D02, 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 |
| | ☒ Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter). |
| ☒ | For conducted measurement. |
| | ▪ If the EUT supports multiple transmit chains using options given below:<br>Refer as FCC 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. |
| | ▪ If multiple transmit chains, EIRP calculation could be following as methods:<br>$P_{total} = P_1 + P_2 + \ldots + P_n$<br>(calculated in linear unit [mW] and transfer to log unit [dBm])<br>$EIRP_{total} = P_{total} + DG$ |
| ☐ | For radiated measurement. |
| | ▪ Refer as FCC KDB 789033 D02 clause II A.1.F ”Antenna-port Conducted versus Radiated Testing” |
| | ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. |
| | ▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation. |

### 3.3.4 Test Setup

For Straddle channel:

**Conducted Measurement (Spectrum Analyzer)**



For others channel:

| Conducted Measurement (Power Meter) |
| --- |
|  |



### 3.3.5 Test Result of Maximum Output Power

Refer as Appendix C

## 3.4 Power Spectral Density

### 3.4.1 Limit

| Peak Power Spectral Density Limit | |
|---|---|
| **UNII Devices** | |
| ☒ | For the 5.15-5.25 GHz band: |
| | ▪ 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).. |
| ☒ | 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). |
| ☒ | 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). |
| ☒ | For the 5.725-5.85 GHz band: |
| | ▪ 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. |
| **EIRP Power Spectral Density Limit** | |
| ☐ | For the 5.85-5.895 GHz band: |
| | ▪ Indoor AP & subordinate device < 20dBm/MHz |
| | ▪ Client device < 14dBm/MHz |
| **LE-LAN Devices** | |
| ☐ | For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz. |
| ☐ | For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. |
| | ▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below:<br>-13 dBW/MHz for 0° ≤ θ < 8° ; -13 − 0.716 (θ-8) dBW/MHz for 8° ≤ θ < 40°<br>-35.9 − 1.22 (θ-40) dBW/MHz for 40° ≤ θ ≤ 45° ; -42 dBW/MHz for θ > 45° |
| ☐ | For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. |
| ☐ | For the 5.725-5.85 GHz band: |
| | ▪ 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. |
| **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
$G_{TX}$ = the maximum transmitting antenna directional gain in dBi.

### 3.4.2 Measuring Instruments

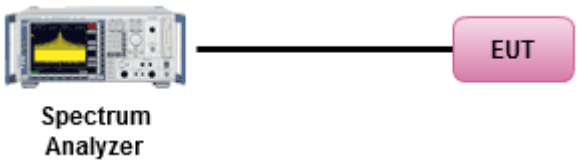
Refer a test equipment and calibration data table in this test report.

### 3.4.3 Test Procedures

| Test Method | | |
|---|---|---|
| ▪ 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: | | |
| | ☐ Refer as FCC KDB 789033 D02, 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% or external video / power trigger] | |
| | ☒ Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging). | |
| | ☐ Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed) | |
| | duty cycle < 98% and average over on/off periods with duty factor | |
| | ☒ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging). | |
| | ☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed) | |
| ☒ For conducted measurement. | | |
| | ▪ If the EUT supports multiple transmit chains using options given below: | |
| | | ☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC 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. |
| | | ☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits, |
| | | ☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit. |
| | ▪ | If multiple transmit chains, EIRP PPSD calculation could be following as methods:<br>$PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$<br>(calculated in linear unit [mW] and transfer to log unit [dBm]) |

| Test Method | | |
|---|---|---|
| | | $EIRP_{total} = PPSD_{total} + DG$ |
| ☐ For radiated measurement. | | |
| | ▪ | Refer as FCC KDB 789033 D02 clause II A.1.F ”Antenna-port Conducted versus Radiated Testing” |
| | ▪ | Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. |
| | ▪ | Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation. |

### 3.4.4 Test Setup

| Conducted Measurement |
|---|
|  |



### 3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

## 3.5 Unwanted Emissions

### 3.5.1 Transmitter 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 | all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. |
| ☐ 5.85 - 5.895 GHz | (i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of - 7 dBm/MHz at or above 5.925 GHz.<br>(ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an |

| | |
|---|---|
| | e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz.<br>(iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz. |
| 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). | |

### 3.5.2 Measuring Instruments

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

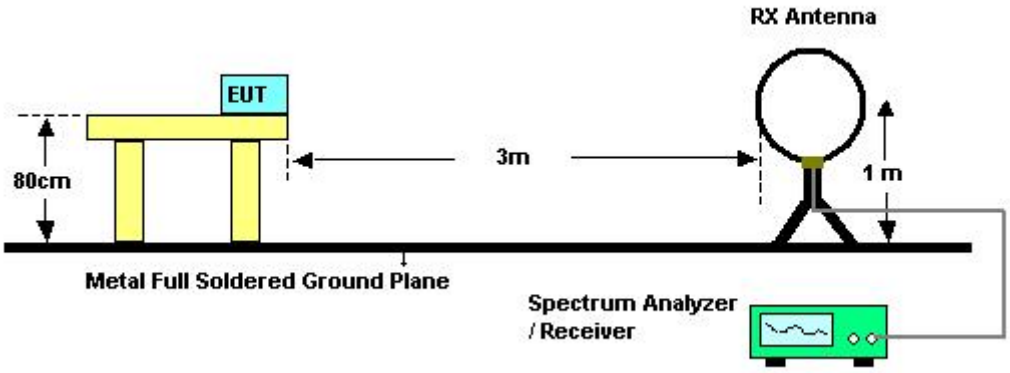
### 3.5.3 Test Procedures

| Test Method | | | |
|---|---|---|---|
| ▪ 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). | | | |
| ▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. | | | |
| ▪ For the transmitter unwanted emissions shall be measured using following options below: | | | |
| | ▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands. | | |
| | ▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands. | | |
| | | ☐ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging). | |
| | | ☒ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW). | |
| | | ☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time. | |
| | | ☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions. | |
| | | ☒ Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit. | |
| | | ☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit. | |
| ▪ For radiated measurement. | | | |
| | ▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m. | | |
| | ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m. | | |
| | ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. | | |
| ▪ The any unwanted emissions level shall not exceed the fundamental emission level. | | | |

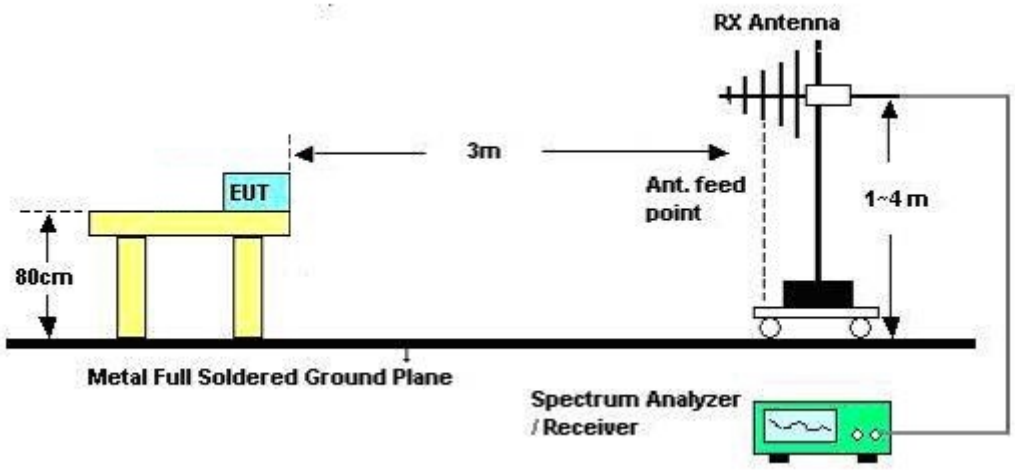
| Test Method |
|---|
| ▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported. |

| Test Method | |
|---|---|
| ▪ For conducted and cabinet radiation measurement, refer as FCC KDB 789033 D02, clause G)3). | |
| | ▪ For conducted unwanted emissions into non-restricted bands (relative emission limits).<br>Devices with multiple transmit chains:<br>Refer as FCC KDB 662911, when testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding 10 log(N) if the measurements are made relative to the in-band emissions on the individual outputs. |
| | ▪ For conducted unwanted emissions into restricted bands (absolute emission limits).<br>Devices with multiple transmit chains using options given below:<br>(1) Measure and sum the spectra across the outputs or<br>(2) Measure and add 10 log(N) dB |
| | ▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. |

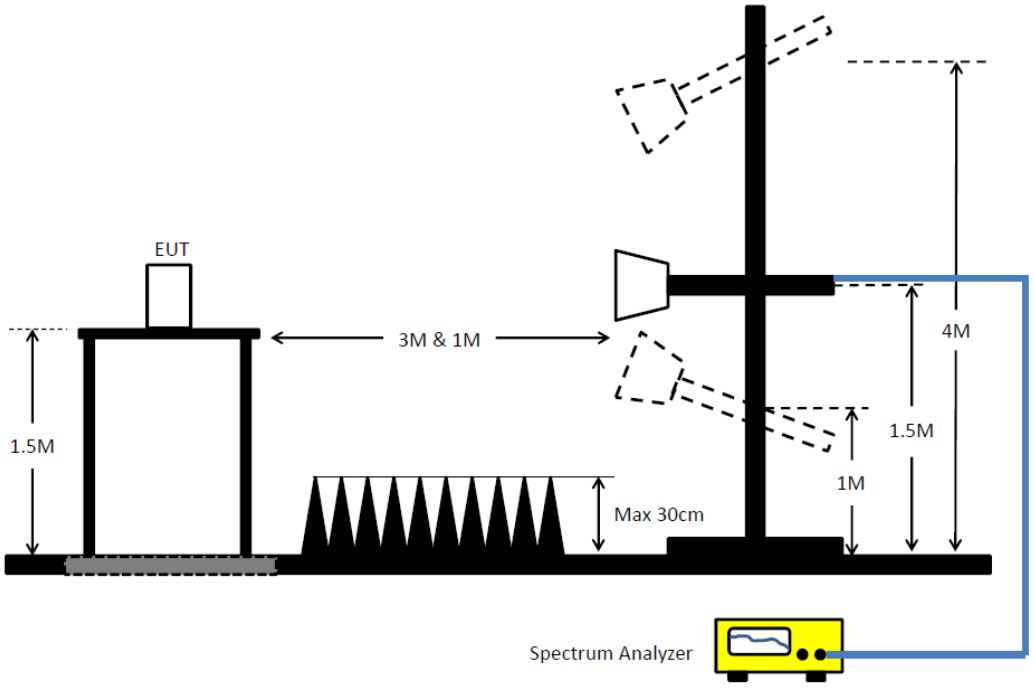
## 3.5.4 Test Setup

| Transmitter Radiated Unwanted Emissions |
|---|
| 9kHz ~30MHz |
|  |

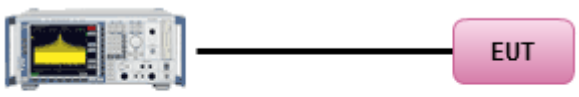
**30MHz~1GHz**




**Above 1GHz**




**Transmitter Conducted Unwanted Emissions**



### 3.5.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

### 3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

### 3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

# 4 Test Equipment and Calibration Data

| Instrument | Brand | Model No. | Serial No. | Characteristics | Calibration Date | Calibration Due Date | Remark |
|---|---|---|---|---|---|---|---|
| EMI Receiver | Agilent | N9038A | My52260123 | 9kHz ~ 8.4GHz | Feb. 22, 2022 | Feb. 21, 2023 | Conduction (CO01-CB) |
| LISN | F.C.C. | FCC-LISN-50-16-2 | 04083 | 150kHz ~ 100MHz | Feb. 09, 2022 | Feb. 08, 2023 | Conduction (CO01-CB) |
| LISN | Schwarzbeck | NSLK 8127 | 8127650 | 9kHz ~ 30MHz | Jan. 07, 2022 | Jan. 06, 2023 | Conduction (CO01-CB) |
| Pulse Limiter | Rohde& Schwarz | ESH3-Z2 | 100430 | 9kHz ~ 30MHz | Feb. 10, 2022 | Feb. 09, 2023 | Conduction (CO01-CB) |
| COND Cable | Woken | Cable | Low cable-CO01 | 9kHz ~ 30MHz | May 19, 2021 | May 18, 2022 | Conduction (CO01-CB) |
| Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Conduction (CO01-CB) |
| 3m Semi Anechoic Chamber NSA | TDK | SAC-3M | 03CH05-CB | 30 MHz ~ 1 GHz | Aug. 09, 2021 | Aug. 08, 2022 | Radiation (03CH05-CB) |
| Bilog Antenna with 6dB Attenuator | TESEQ & EMCI | CBL 6112D & N-6-06 | 35236 & AT-N0610 | 30MHz ~ 2GHz | Mar. 26, 2021 | Mar. 25, 2022 | Radiation (03CH05-CB) |
| Bilog Antenna with 6dB Attenuator | TESEQ & EMCI | CBL 6112D & N-6-06 | 35236 & AT-N0610 | 30MHz ~ 2GHz | Mar. 25, 2022 | Mar. 24, 2023 | Radiation (03CH05-CB) |
| Pre-Amplifier | EMCI | EMC330N | 980331 | 20MHz ~ 3GHz | Apr. 27, 2021 | Apr. 26, 2022 | Radiation (03CH05-CB) |
| Pre-Amplifier | EMCI | EMC330N | 980331 | 20MHz ~ 3GHz | Apr. 26, 2022 | Apr. 25, 2023 | Radiation (03CH05-CB) |
| Spectrum Analyzer | R&S | FSP40 | 100304 | 9kHz ~ 40GHz | Mar. 14, 2022 | Mar. 13, 2023 | Radiation (03CH05-CB) |
| Loop Antenna | Teseq | HLA 6120 | 24155 | 9kHz - 30 MHz | Apr. 14, 2021 | Apr. 13, 2022 | Radiation (03CH05-CB) |
| Loop Antenna | Teseq | HLA 6120 | 31244 | 9kHz - 30 MHz | Mar. 18, 2022 | Mar. 17, 2023 | Radiation (03CH05-CB) |
| EMI Test Receiver | R&S | ESCS | 826547/017 | 9kHz ~ 2.75GHz | Jun. 21, 2021 | Jun. 20, 2022 | Radiation (03CH05-CB) |
| RF Cable-low | Woken | RG402 | Low Cable-04+23 | 30MHz~1GHz | Oct. 13, 2021 | Oct. 12, 2022 | Radiation (03CH05-CB) |
| Test Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Radiation (03CH05-CB) |

| Instrument | Brand | Model No. | Serial No. | Characteristics | Calibration Date | Calibration Due Date | Remark |
|---|---|---|---|---|---|---|---|
| 3m Semi Anechoic Chamber VSWR | TDK | SAC-3M | 03CH03-CB | 1GHz ~18GHz 3m | May 06, 2021 | May 05, 2022 | Radiation (03CH03-CB) |
| Horn Antenna | ETS・Lindgren | 3115 | 6821 | 750MHz~ 18GHz | Jan. 21, 2022 | Jan. 20, 2023 | Radiation (03CH03-CB) |
| Horn Antenna | Schwarzbeck | BBHA 9170 | BBHA9170252 | 15GHz ~ 40GHz | Aug. 05, 2021 | Aug. 04, 2022 | Radiation (03CH03-CB) |
| Pre-Amplifier | Agilent | 8449B | 3008A02097 | 1GHz ~ 26.5GHz | Jul. 02, 2021 | Jul. 01, 2022 | Radiation (03CH03-CB) |
| Pre-Amplifier | MITEQ | TTA1840-35-HG | 1864479 | 18GHz ~ 40GHz | Jul. 13, 2021 | Jul. 12, 2022 | Radiation (03CH03-CB) |
| Spectrum Analyzer | R&S | FSP40 | 100019 | 9kHz ~ 40GHz | Jun. 04, 2021 | Jun. 03, 2022 | Radiation (03CH03-CB) |
| RF Cable-high | Woken | RG402 | High Cable-20+29 | 1GHz ~ 18GHz | Oct. 04, 2021 | Oct. 03, 2022 | Radiation (03CH03-CB) |
| RF Cable-high | Woken | RG402 | High Cable-29 | 1GHz ~ 18GHz | Oct. 04, 2021 | Oct. 03, 2022 | Radiation (03CH03-CB) |
| High Cable | Woken | WCA0929M | 40G#5+7 | 1GHz ~ 40 GHz | Dec. 14, 2021 | Dec. 13, 2022 | Radiation (03CH03-CB) |
| High Cable | Woken | WCA0929M | 40G#5 | 1GHz ~ 40 GHz | Dec. 08, 2021 | Dec. 07, 2022 | Radiation (03CH03-CB) |
| High Cable | Woken | WCA0929M | 40G#7 | 1GHz ~ 40 GHz | Dec. 14, 2021 | Dec. 13, 2022 | Radiation (03CH03-CB) |
| Test Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Radiation (03CH03-CB) |
| 3m Semi Anechoic Chamber VSWR | TDK | SAC-3M | 03CH04-CB | 1GHz ~18GHz 3m | Feb. 24, 2022 | Feb. 23, 2023 | Radiation (03CH04-CB) |
| Horn Antenna | ETS・Lindgren | 3115 | 00143147 | 750MHz~ 18GHz | Oct. 25, 2021 | Oct. 24, 2022 | Radiation (03CH04-CB) |
| Horn Antenna | Schwarzbeck | BBHA 9170 | BBHA9170252 | 15GHz ~ 40GHz | Aug. 05, 2021 | Aug. 04, 2022 | Radiation (03CH04-CB) |
| Pre-Amplifier | Agilent | 83017A | MY53270063 | 0.5GHz ~ 26.5GHz | Jul. 12, 2021 | Jul. 11, 2022 | Radiation (03CH04-CB) |
| Pre-Amplifier | MITEQ | TTA1840-35-HG | 1864479 | 18GHz ~ 40GHz | Jul. 13, 2021 | Jul. 12, 2022 | Radiation (03CH04-CB) |
| Signal Analyzer | R&S | FSV40 | 101904 | 9kHz ~ 40GHz | Apr. 15, 2021 | Apr. 14, 2022 | Radiation (03CH04-CB) |

| Instrument | Brand | Model No. | Serial No. | Characteristics | Calibration Date | Calibration Due Date | Remark |
|---|---|---|---|---|---|---|---|
| Spectrum Analyzer | R&S | FSP40 | 100142 | 9kHz~40GHz | Mar. 28, 2022 | Mar. 27, 2023 | Radiation (03CH04-CB) |
| RF Cable-high | Woken | RG402 | High Cable-21 | 1GHz - 18GHz | Oct. 04, 2021 | Oct. 03, 2022 | Radiation (03CH04-CB) |
| RF Cable-high | Woken | RG402 | High Cable-21+67 | 1GHz - 18GHz | Oct. 04, 2021 | Oct. 03, 2022 | Radiation (03CH04-CB) |
| High Cable | Woken | WCA0929M | 40G#5+7 | 1GHz ~ 40 GHz | Dec. 14, 2021 | Dec. 13, 2022 | Radiation (03CH04-CB) |
| High Cable | Woken | WCA0929M | 40G#5 | 1GHz ~ 40 GHz | Dec. 08, 2021 | Dec. 07, 2022 | Radiation (03CH04-CB) |
| High Cable | Woken | WCA0929M | 40G#7 | 1GHz ~ 40 GHz | Dec. 14, 2021 | Dec. 13, 2022 | Radiation (03CH04-CB) |
| Test Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Radiation (03CH04-CB) |
| Spectrum analyzer | R&S | FSV40 | 100979 | 9kHz~40GHz | May 21, 2021 | May 20, 2022 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-06 | 1 GHz–26.5 GHz | Oct. 04, 2021 | Oct. 03, 2022 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-07 | 1 GHz–26.5 GHz | Oct. 04, 2021 | Oct. 03, 2022 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-08 | 1 GHz–26.5 GHz | Oct. 04, 2021 | Oct. 03, 2022 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-09 | 1 GHz–26.5 GHz | Oct. 04, 2021 | Oct. 03, 2022 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-10 | 1 GHz–26.5 GHz | Oct. 04, 2021 | Oct. 03, 2022 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | High Cable-30 | 1 GHz–26.5 GHz | Oct. 04, 2021 | Oct. 03, 2022 | Conducted (TH01-CB) |
| Switch | SPTCB | SP-SWI | SWI-01 | 1 GHz–26.5 GHz | Dec. 13, 2021 | Dec. 12, 2022 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | SWI-01-P1 | 1 GHz–26.5 GHz | Dec. 13, 2021 | Dec. 12, 2022 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | SWI-01-P2 | 1 GHz–26.5 GHz | Dec. 13, 2021 | Dec. 12, 2022 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | SWI-01-P3 | 1 GHz–26.5 GHz | Dec. 13, 2021 | Dec. 12, 2022 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | SWI-01-P4 | 1 GHz–26.5 GHz | Dec. 13, 2021 | Dec. 12, 2022 | Conducted (TH01-CB) |
| RF Cable-high | Woken | RG402 | SWI-01-P5 | 1 GHz–26.5 GHz | Dec. 13, 2021 | Dec. 12, 2022 | Conducted (TH01-CB) |

| Instrument | Brand | Model No. | Serial No. | Characteristics | Calibration Date | Calibration Due Date | Remark |
|---|---|---|---|---|---|---|---|
| Power Sensor | Anritsu | MA2411B | 1339408 | 300MHz~ 40GHz | Sep. 06, 2021 | Sep. 05, 2022 | Conducted (TH01-CB) |
| Power Meter | Anritsu | ML2495A | 1517009 | 300MHz~ 40GHz | Sep. 06, 2021 | Sep. 05, 2022 | Conducted (TH01-CB) |
| Test Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Conducted (TH01-CB) |

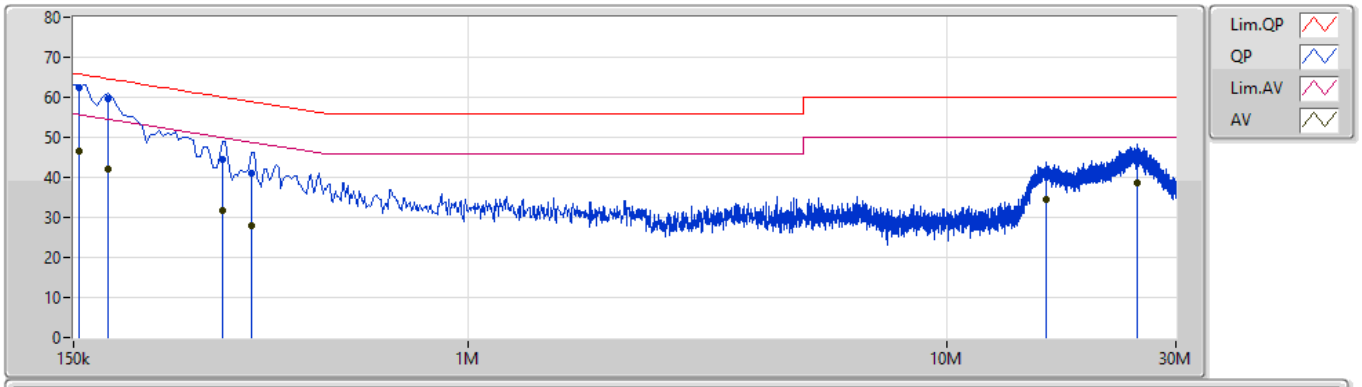
Note: Calibration Interval of instruments listed above is one year.
NCR means Non-Calibration required.

**Summary**

| Mode | Result | Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Condition |
|---|---|---|---|---|---|---|---|
| Mode 7 | Pass | QP | 154.5k | 62.52 | 65.75 | -3.23 | Line |

## Mode 7

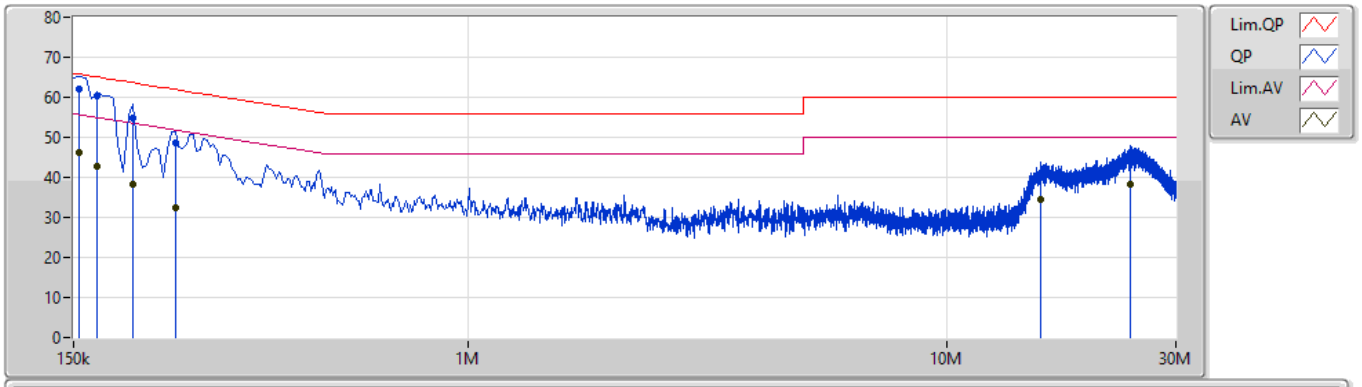
06/04/2022




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 154.5k | 62.52 | 65.75 | -3.23 | 9.97 | Line | "Worst" | 52.55 | 0.06 | 0.02 | 9.89 |
| AV | 154.5k | 46.62 | 55.75 | -9.13 | 9.97 | Line | - | 36.65 | 0.06 | 0.02 | 9.89 |
| QP | 177k | 59.56 | 64.62 | -5.06 | 9.97 | Line | - | 49.59 | 0.06 | 0.02 | 9.89 |
| AV | 177k | 41.92 | 54.62 | -12.70 | 9.97 | Line | - | 31.95 | 0.06 | 0.02 | 9.89 |
| QP | 307.5k | 44.35 | 60.03 | -15.68 | 9.97 | Line | - | 34.38 | 0.06 | 0.02 | 9.89 |
| AV | 307.5k | 31.69 | 50.03 | -18.34 | 9.97 | Line | - | 21.72 | 0.06 | 0.02 | 9.89 |
| QP | 352.5k | 40.94 | 58.91 | -17.97 | 9.97 | Line | - | 30.97 | 0.06 | 0.02 | 9.89 |
| AV | 352.5k | 28.03 | 48.91 | -20.88 | 9.97 | Line | - | 18.06 | 0.06 | 0.02 | 9.89 |
| QP | 16.062M | 40.36 | 60.00 | -19.64 | 10.32 | Line | - | 30.04 | 0.27 | 0.11 | 9.94 |
| AV | 16.062M | 34.39 | 50.00 | -15.61 | 10.32 | Line | - | 24.07 | 0.27 | 0.11 | 9.94 |
| QP | 24.95M | 44.33 | 60.00 | -15.67 | 10.52 | Line | - | 33.81 | 0.35 | 0.20 | 9.97 |
| AV | 24.95M | 38.48 | 50.00 | -11.52 | 10.52 | Line | - | 27.96 | 0.35 | 0.20 | 9.97 |

## Mode 7

06/04/2022




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 154.5k | 62.10 | 65.75 | -3.65 | 9.98 | Neutral | "Worst" | 52.12 | 0.07 | 0.02 | 9.89 |
| AV | 154.5k | 46.22 | 55.75 | -9.53 | 9.98 | Neutral | - | 36.24 | 0.07 | 0.02 | 9.89 |
| QP | 168k | 60.22 | 65.06 | -4.84 | 9.98 | Neutral | - | 50.24 | 0.07 | 0.02 | 9.89 |
| AV | 168k | 42.70 | 55.06 | -12.36 | 9.98 | Neutral | - | 32.72 | 0.07 | 0.02 | 9.89 |
| QP | 199.5k | 54.71 | 63.63 | -8.92 | 9.98 | Neutral | - | 44.73 | 0.07 | 0.02 | 9.89 |
| AV | 199.5k | 38.27 | 53.63 | -15.36 | 9.98 | Neutral | - | 28.29 | 0.07 | 0.02 | 9.89 |
| QP | 244.5k | 48.62 | 61.95 | -13.33 | 9.98 | Neutral | - | 38.64 | 0.07 | 0.02 | 9.89 |
| AV | 244.5k | 32.35 | 51.95 | -19.60 | 9.98 | Neutral | - | 22.37 | 0.07 | 0.02 | 9.89 |
| QP | 15.698M | 40.26 | 60.00 | -19.74 | 10.33 | Neutral | - | 29.93 | 0.28 | 0.11 | 9.94 |
| AV | 15.698M | 34.36 | 50.00 | -15.64 | 10.33 | Neutral | - | 24.03 | 0.28 | 0.11 | 9.94 |
| QP | 24.041M | 44.28 | 60.00 | -15.72 | 10.46 | Neutral | - | 33.82 | 0.30 | 0.19 | 9.97 |
| AV | 24.041M | 38.33 | 50.00 | -11.67 | 10.46 | Neutral | - | 27.87 | 0.30 | 0.19 | 9.97 |

## Summary

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---|---|---|---|---|---|
| 5.15-5.25GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_1TX | 19.53M | 16.432M | 16M4D1D | 19.29M | 16.402M |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 21.54M | 18.921M | 18M9D1D | 21.36M | 18.891M |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | 40.8M | 37.781M | 37M8D1D | 40.5M | 37.721M |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | 82.2M | 77.001M | 77M0D1D | 82.2M | 77.001M |
| 5.25-5.35GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_1TX | 19.74M | 16.432M | 16M4D1D | 19.56M | 16.432M |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 21.54M | 18.951M | 19M0D1D | 21.42M | 18.951M |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | 40.56M | 37.721M | 37M7D1D | 40.26M | 37.721M |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | 82.44M | 77.121M | 77M1D1D | 82.44M | 77.121M |
| 5.47-5.725GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_1TX | 19.77M | 16.432M | 16M4D1D | 15.315M | 13.298M |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 21.72M | 18.921M | 18M9D1D | 15.93M | 14.528M |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | 40.74M | 37.781M | 37M8D1D | 35.595M | 33.758M |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | 82.2M | 77.001M | 77M0D1D | 76.2M | 73.013M |
| 5.725-5.85GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_1TX | 16.29M | 16.522M | 16M5D1D | 3.12M | 3.658M |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 18.9M | 18.981M | 19M0D1D | 4.42M | 4.798M |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | 37.56M | 37.781M | 37M8D1D | 3.92M | 4.858M |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | 75.72M | 77.241M | 77M2D1D | 4.04M | 16.212M |

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

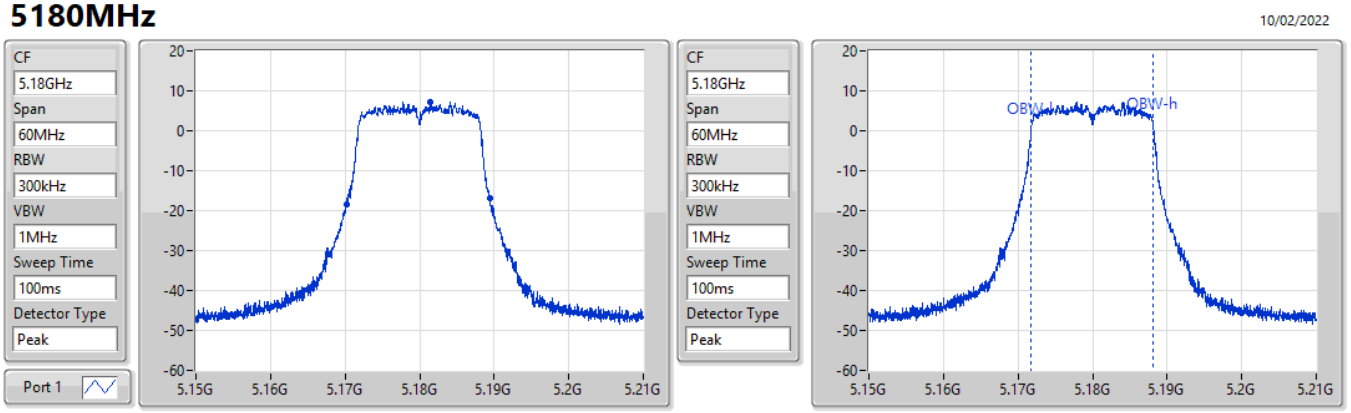
## Result

| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) |
|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_1TX | - | - | - | - |
| 5180MHz | Pass | Inf | 19.29M | 16.402M |
| 5200MHz | Pass | Inf | 19.53M | 16.432M |
| 5240MHz | Pass | Inf | 19.53M | 16.432M |
| 5260MHz | Pass | Inf | 19.74M | 16.432M |
| 5300MHz | Pass | Inf | 19.68M | 16.432M |
| 5320MHz | Pass | Inf | 19.56M | 16.432M |
| 5500MHz | Pass | Inf | 19.53M | 16.432M |
| 5580MHz | Pass | Inf | 19.77M | 16.432M |
| 5700MHz | Pass | Inf | 19.56M | 16.432M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 15.315M | 13.298M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.12M | 3.658M |
| 5745MHz | Pass | 500k | 16.29M | 16.462M |
| 5785MHz | Pass | 500k | 16.29M | 16.492M |
| 5825MHz | Pass | 500k | 16.29M | 16.522M |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | - | - | - | - |
| 5180MHz | Pass | Inf | 21.36M | 18.921M |
| 5200MHz | Pass | Inf | 21.54M | 18.921M |
| 5240MHz | Pass | Inf | 21.42M | 18.891M |
| 5260MHz | Pass | Inf | 21.42M | 18.951M |
| 5300MHz | Pass | Inf | 21.54M | 18.951M |
| 5320MHz | Pass | Inf | 21.48M | 18.951M |
| 5500MHz | Pass | Inf | 21.45M | 18.921M |
| 5580MHz | Pass | Inf | 21.57M | 18.921M |
| 5700MHz | Pass | Inf | 21.72M | 18.921M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 15.93M | 14.528M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.42M | 4.798M |
| 5745MHz | Pass | 500k | 18.81M | 18.921M |
| 5785MHz | Pass | 500k | 18.9M | 18.981M |
| 5825MHz | Pass | 500k | 18.78M | 18.951M |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | - | - | - | - |
| 5190MHz | Pass | Inf | 40.5M | 37.721M |
| 5230MHz | Pass | Inf | 40.8M | 37.781M |
| 5270MHz | Pass | Inf | 40.26M | 37.721M |
| 5310MHz | Pass | Inf | 40.56M | 37.721M |
| 5510MHz | Pass | Inf | 40.74M | 37.661M |
| 5550MHz | Pass | Inf | 40.5M | 37.721M |
| 5670MHz | Pass | Inf | 40.56M | 37.781M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 35.595M | 33.758M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.92M | 4.858M |
| 5755MHz | Pass | 500k | 34.98M | 37.781M |
| 5795MHz | Pass | 500k | 37.56M | 37.781M |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | - | - | - | - |
| 5210MHz | Pass | Inf | 82.2M | 77.001M |
| 5290MHz | Pass | Inf | 82.44M | 77.121M |
| 5530MHz | Pass | Inf | 82.2M | 77.001M |
| 5610MHz | Pass | Inf | 81.84M | 77.001M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 76.2M | 73.013M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.04M | 16.212M |
| 5775MHz | Pass | 500k | 75.72M | 77.241M |

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)_1TX EBW

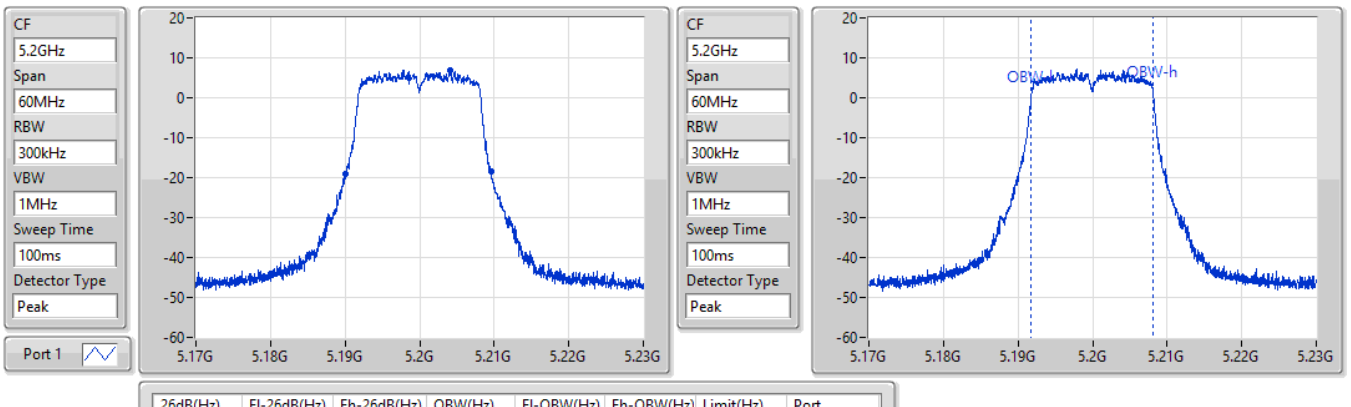
### 5180MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.29M | 5.17016G | 5.18945G | 16.402M | 5.171754G | 5.188156G | Inf | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5200MHz

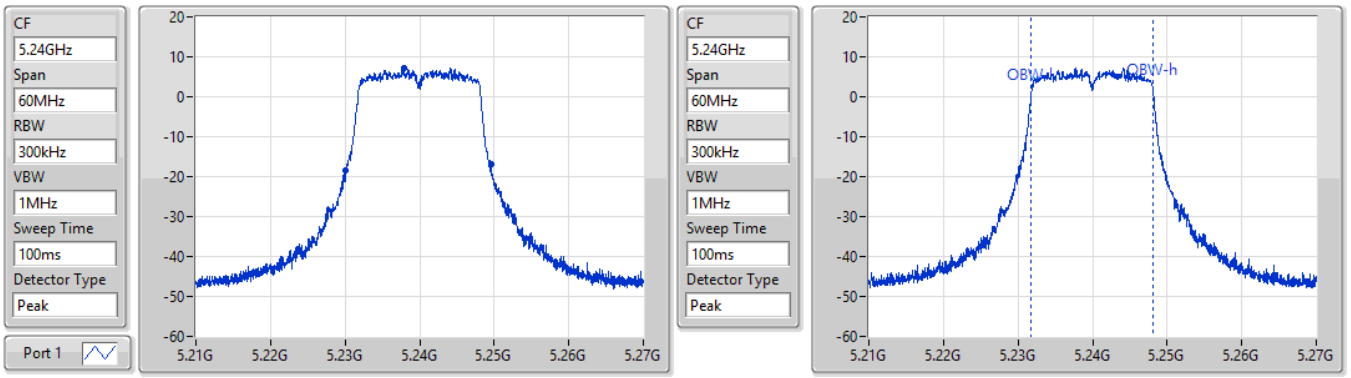



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.53M | 5.19004G | 5.20957G | 16.432M | 5.191724G | 5.208156G | Inf | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5240MHz

10/02/2022

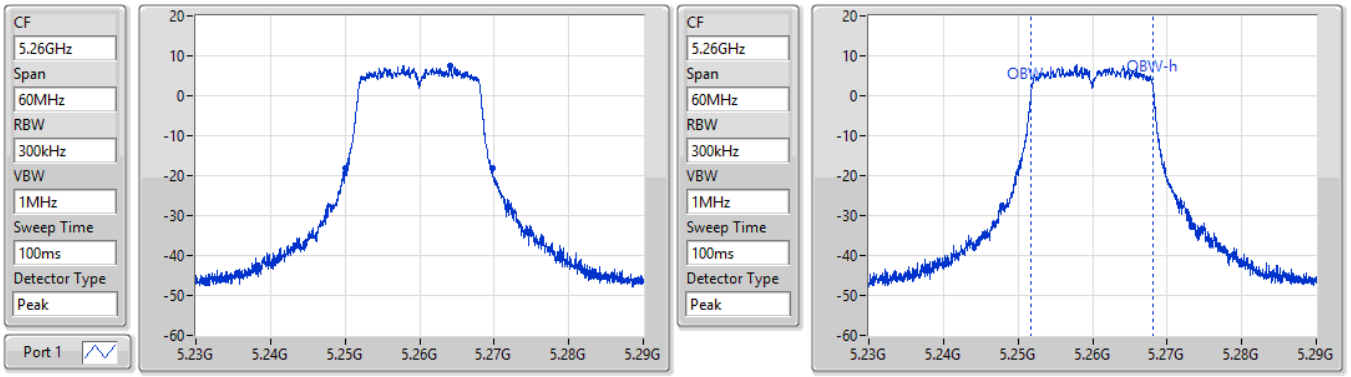



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.53M | 5.23004G | 5.24957G | 16.432M | 5.231724G | 5.248156G | Inf | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5260MHz

10/02/2022

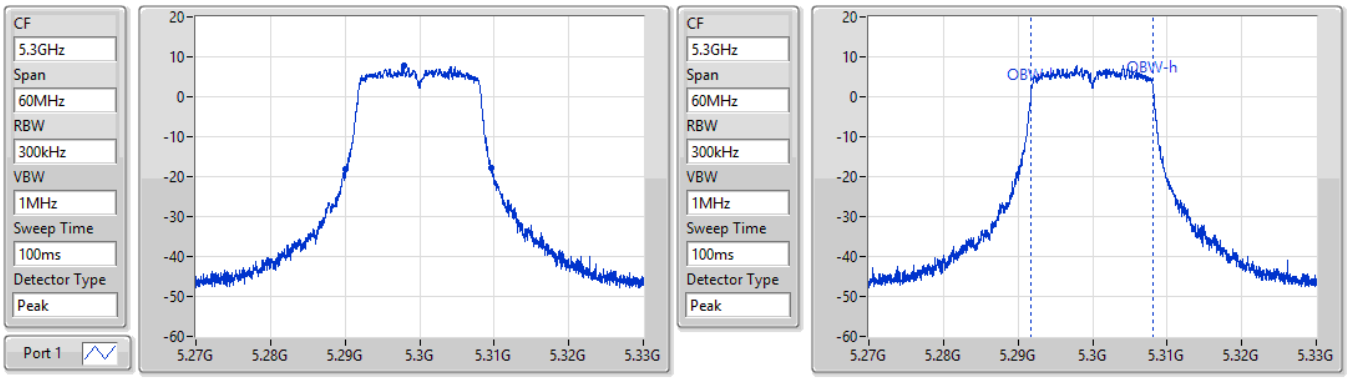



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.74M | 5.25001G | 5.26975G | 16.432M | 5.251724G | 5.268156G | Inf | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5300MHz

10/02/2022

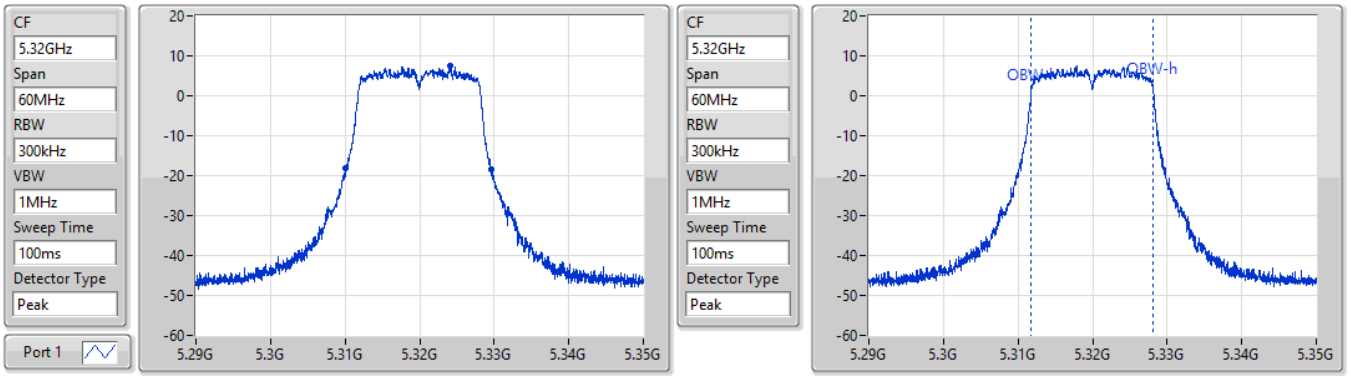



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.68M | 5.29001G | 5.30969G | 16.432M | 5.291724G | 5.308156G | Inf | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5320MHz

10/02/2022

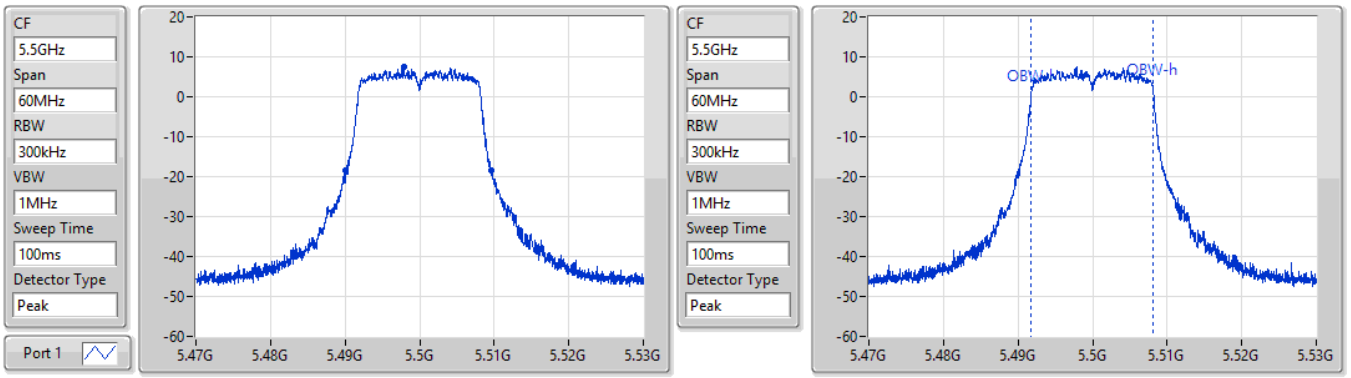



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.56M | 5.31007G | 5.32963G | 16.432M | 5.311724G | 5.328156G | Inf | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5500MHz

10/02/2022

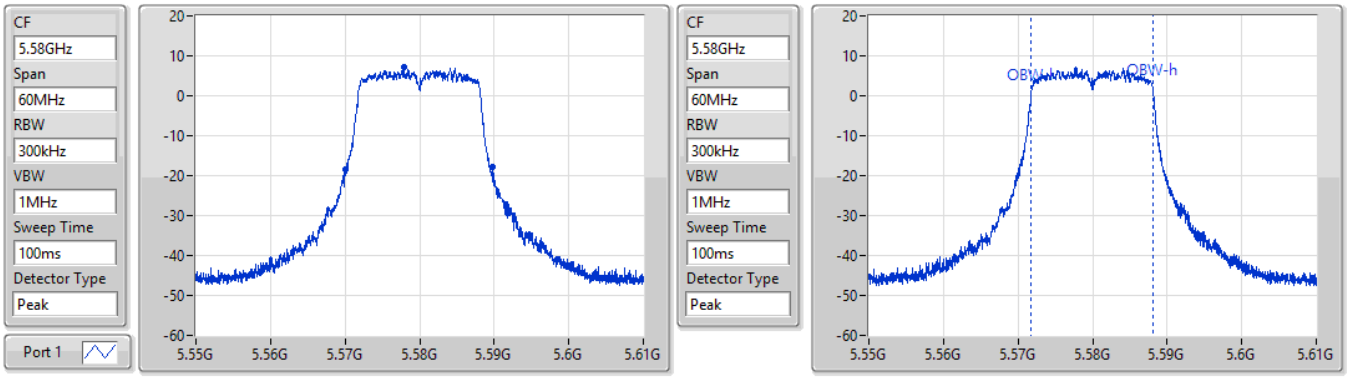



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.53M | 5.49007G | 5.5096G | 16.432M | 5.491724G | 5.508156G | Inf | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5580MHz

10/02/2022

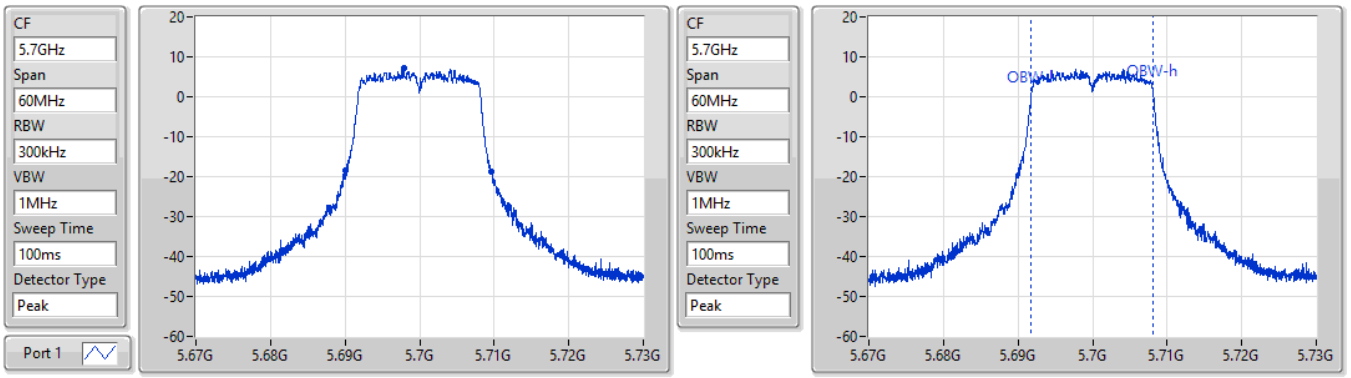



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.77M | 5.56998G | 5.58975G | 16.432M | 5.571724G | 5.588156G | Inf | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5700MHz

10/02/2022

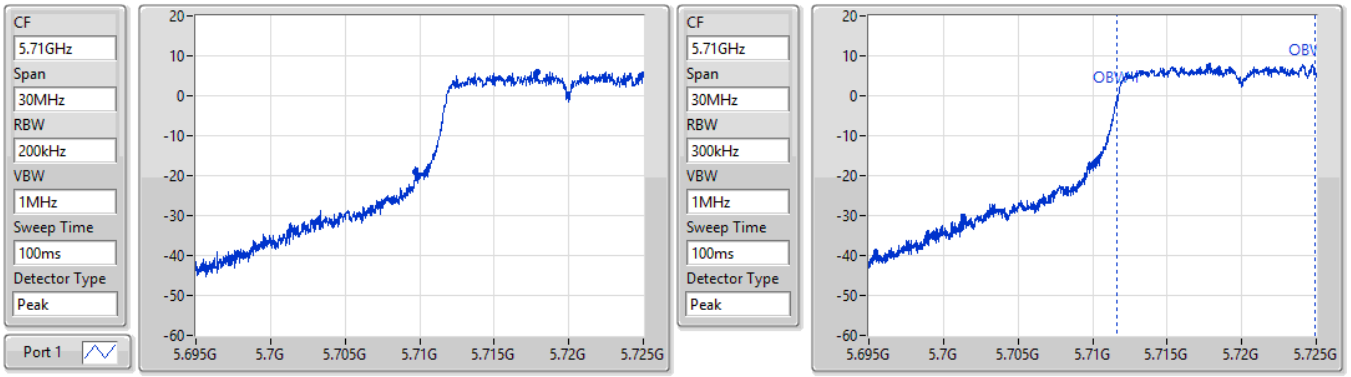



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.56M | 5.69001G | 5.70957G | 16.432M | 5.691724G | 5.708156G | Inf | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5720MHz Straddle 5.47-5.725GHz

10/02/2022

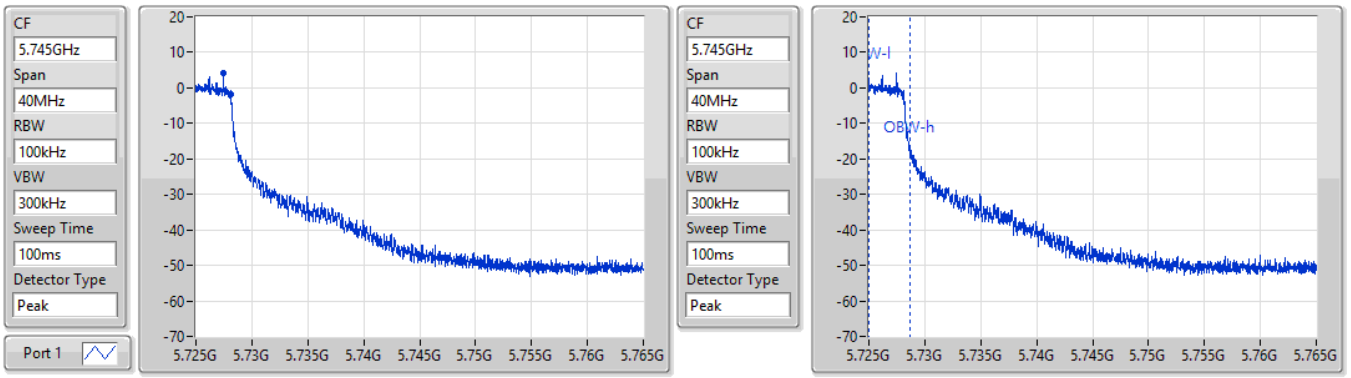



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.315M | 5.709685G | 5.725G | 13.298M | 5.711634G | 5.724933G | Inf | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5720MHz Straddle 5.725-5.85GHz

10/02/2022

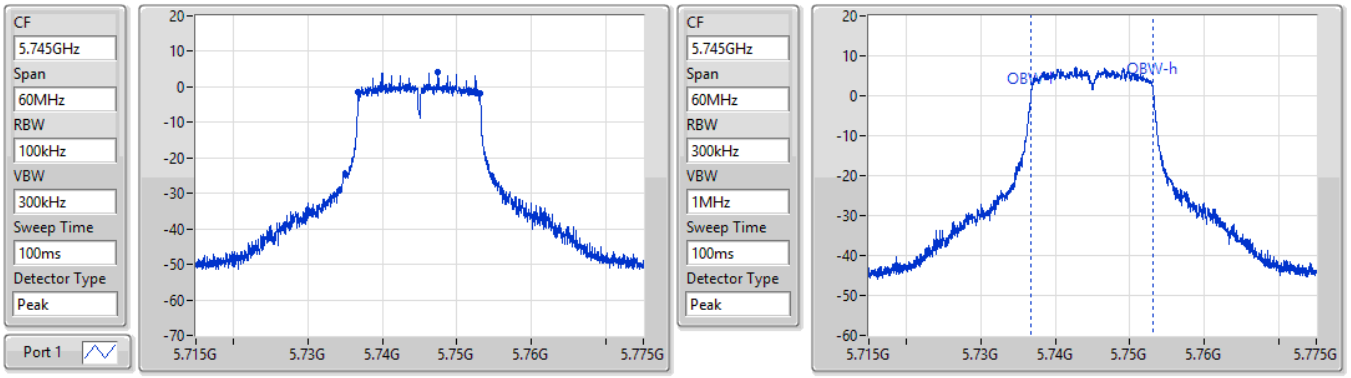



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 3.12M | 5.725G | 5.72812G | 3.658M | 5.72501G | 5.728668G | 500k | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5745MHz

10/02/2022

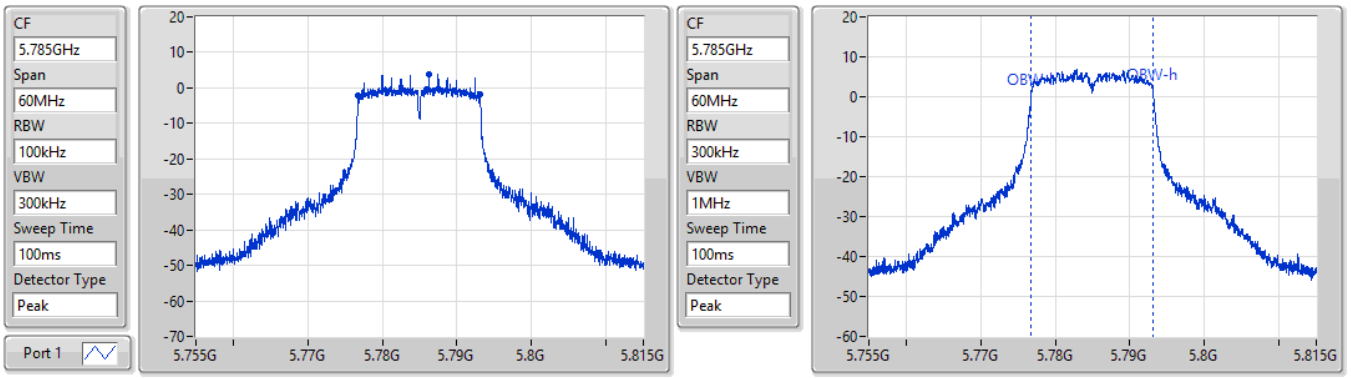



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.29M | 5.73681G | 5.7531G | 16.462M | 5.736694G | 5.753156G | 500k | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5785MHz

10/02/2022

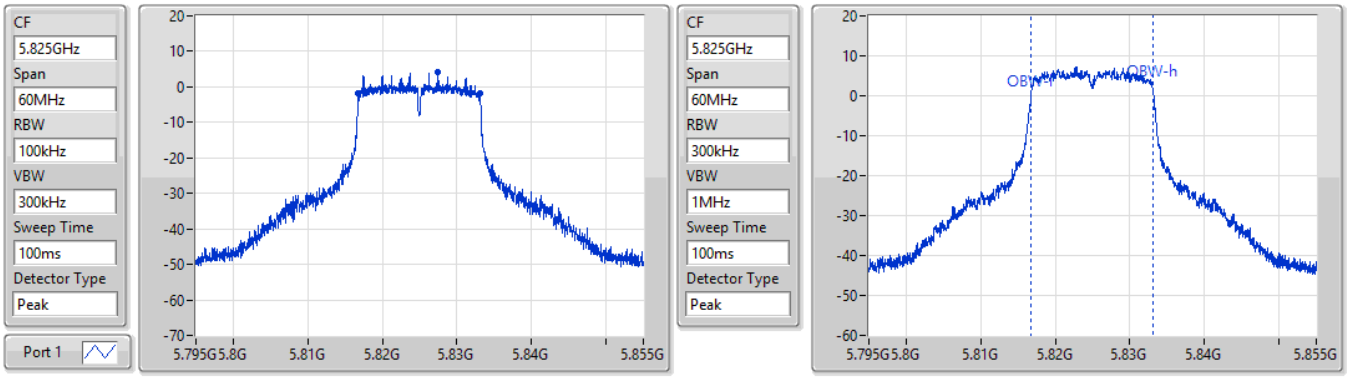



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.29M | 5.77681G | 5.7931G | 16.492M | 5.776694G | 5.793186G | 500k | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5825MHz

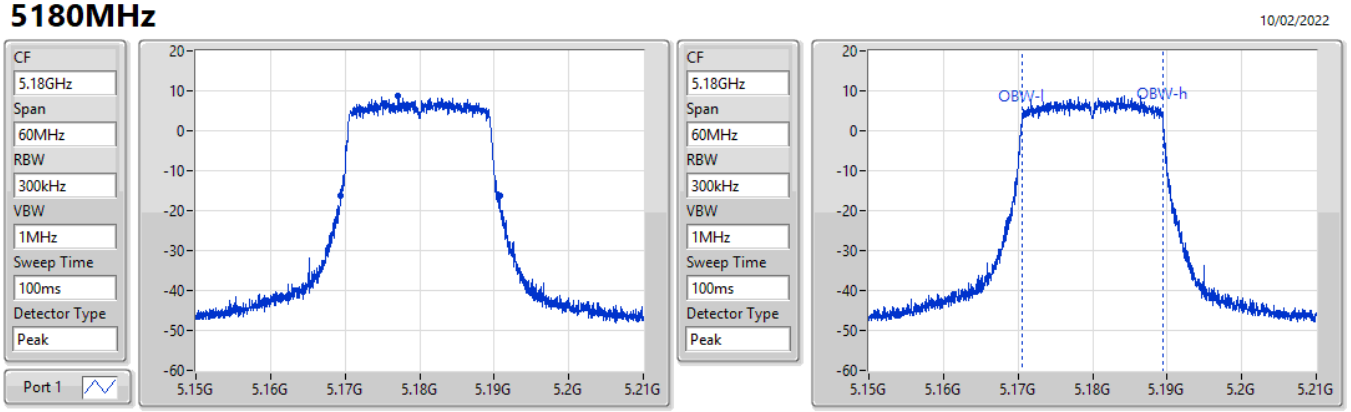
10/02/2022




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.29M | 5.81681G | 5.8331G | 16.522M | 5.816664G | 5.833186G | 500k | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

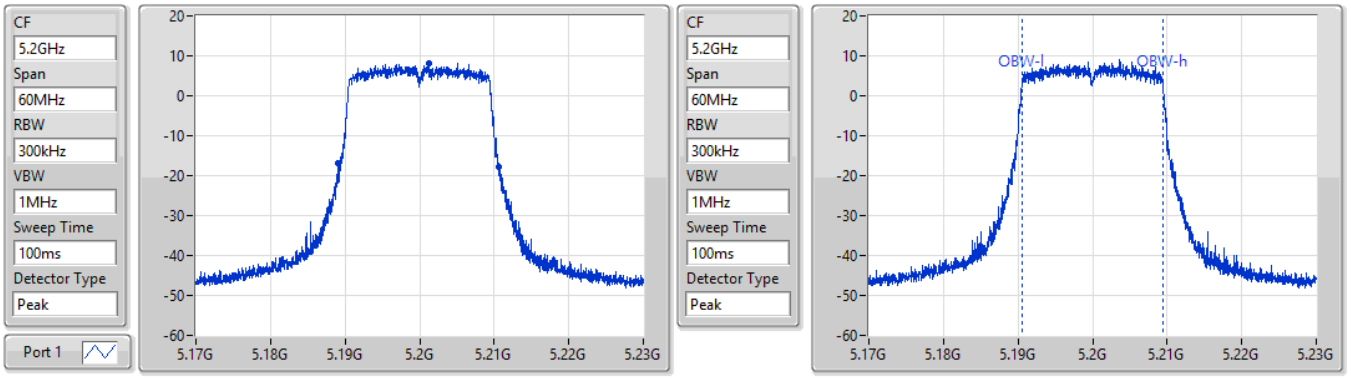
### 5180MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.36M | 5.16944G | 5.1908G | 18.921M | 5.170495G | 5.189415G | Inf | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

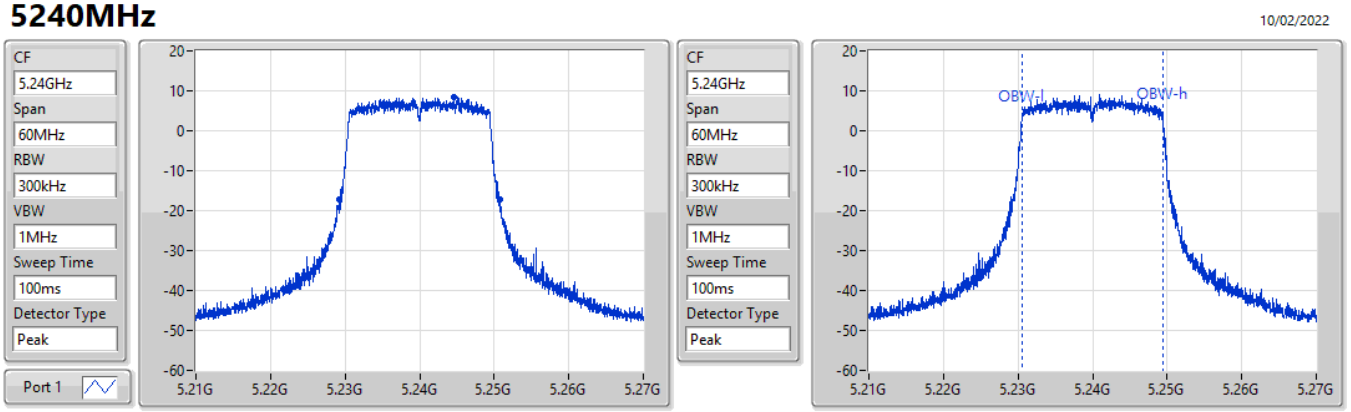
### 5200MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.54M | 5.18911G | 5.21065G | 18.921M | 5.190525G | 5.209445G | Inf | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

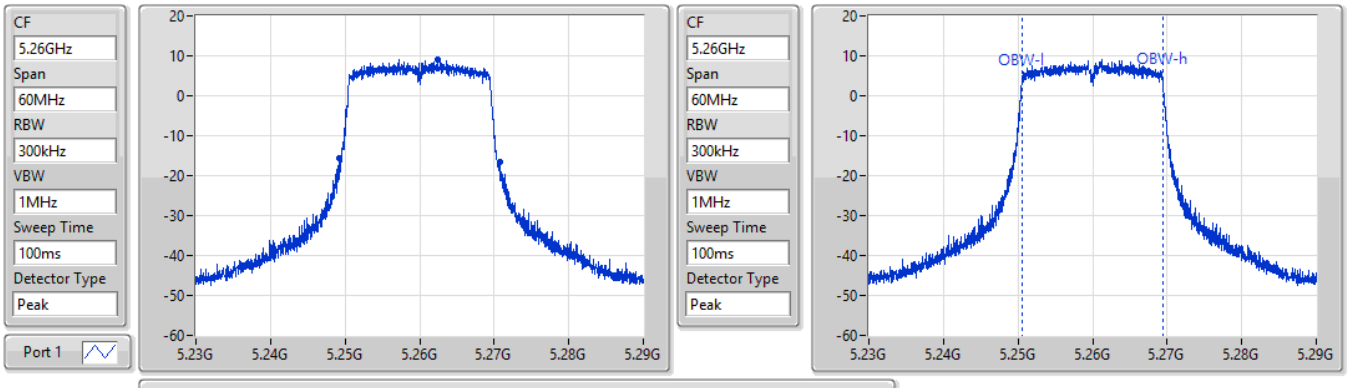
### 5240MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.42M | 5.22929G | 5.25071G | 18.891M | 5.230525G | 5.249415G | Inf | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

### 5260MHz

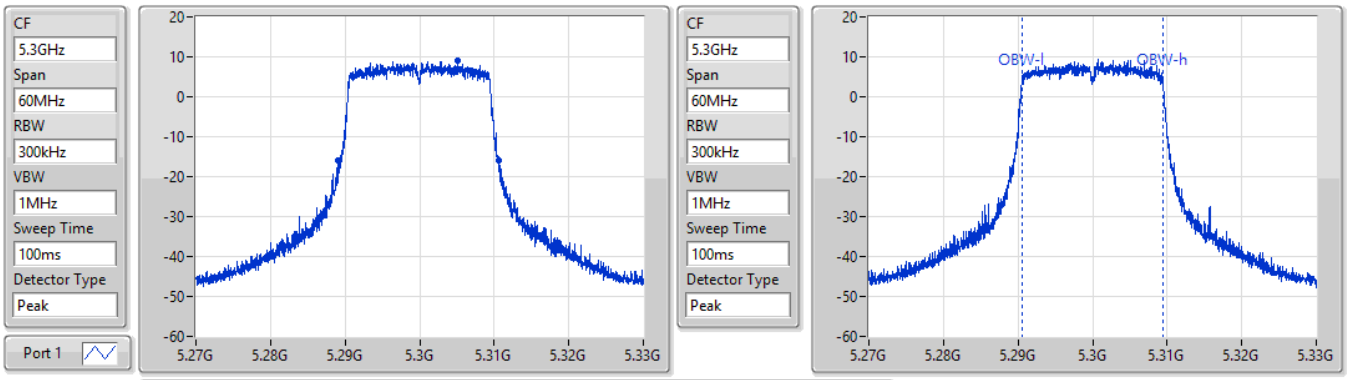



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.42M | 5.24929G | 5.27071G | 18.951M | 5.250495G | 5.269445G | Inf | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

### 5300MHz

10/02/2022

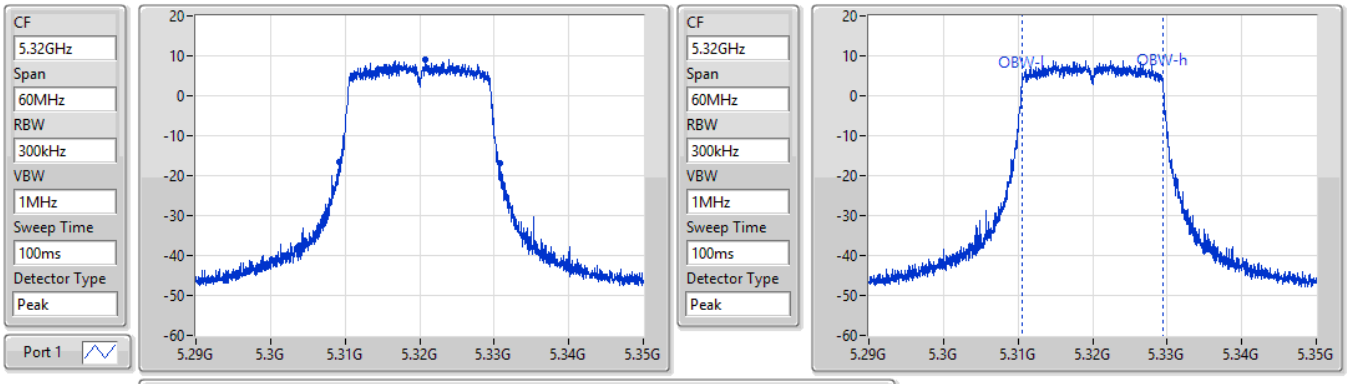



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.54M | 5.28905G | 5.31059G | 18.951M | 5.290495G | 5.309445G | Inf | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

### 5320MHz

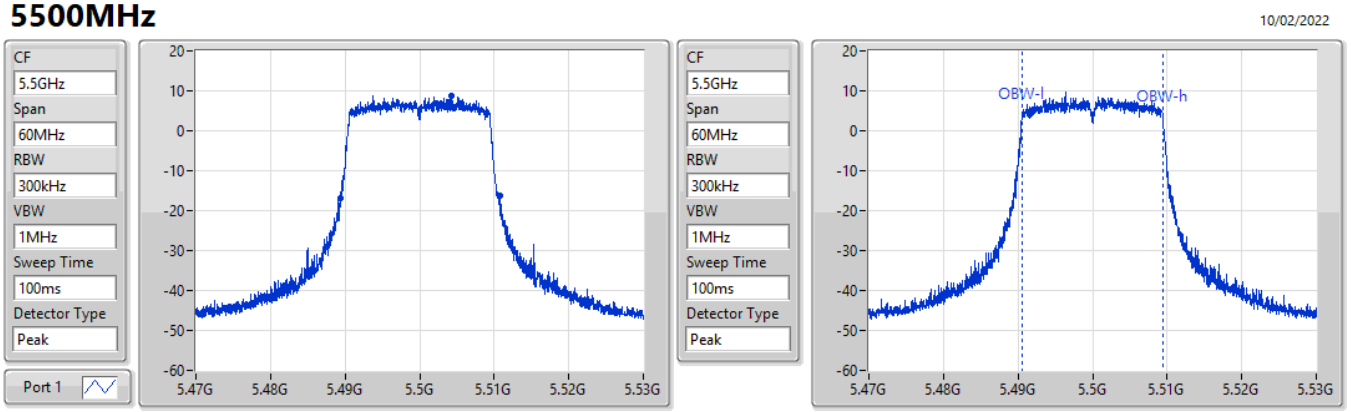
10/02/2022




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.48M | 5.30929G | 5.33077G | 18.951M | 5.310495G | 5.329445G | Inf | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

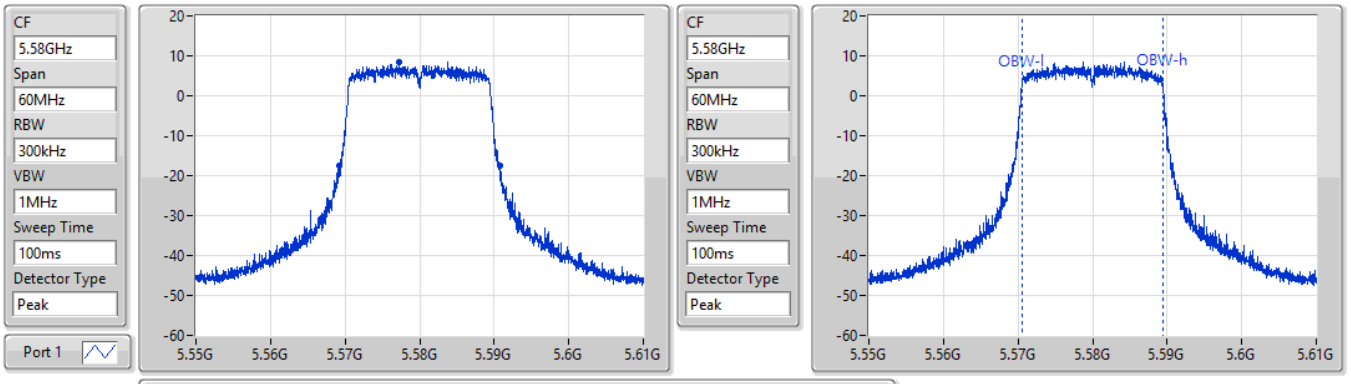
### 5500MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.45M | 5.48935G | 5.5108G | 18.921M | 5.490525G | 5.509445G | Inf | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

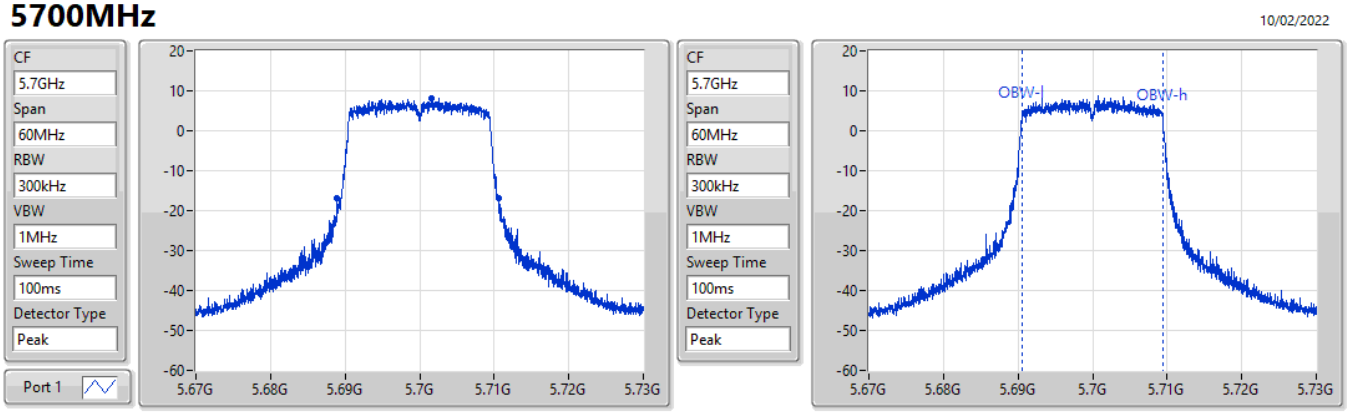
### 5580MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.57M | 5.5692G | 5.59077G | 18.921M | 5.570495G | 5.589415G | Inf | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

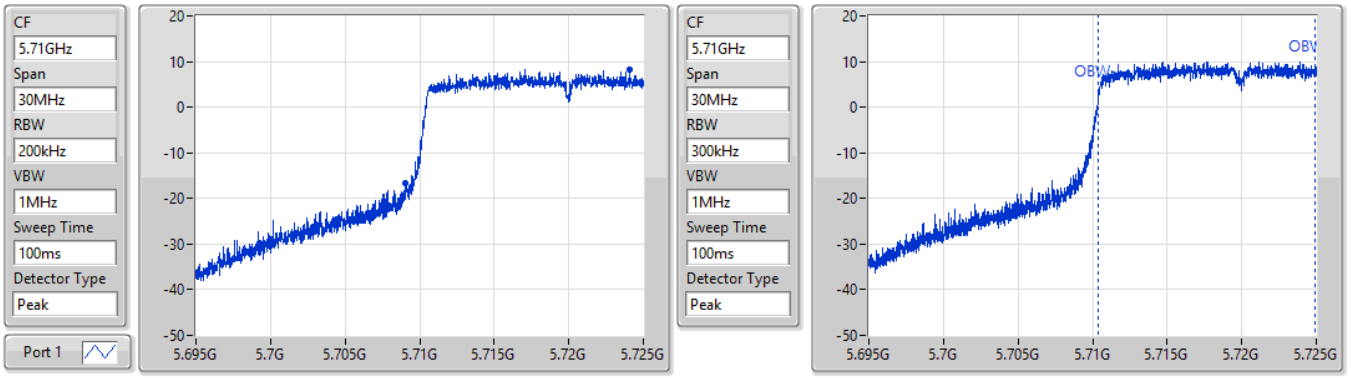
### 5700MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.72M | 5.68893G | 5.71065G | 18.921M | 5.690495G | 5.709415G | Inf | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

### 5720MHz Straddle 5.47-5.725GHz

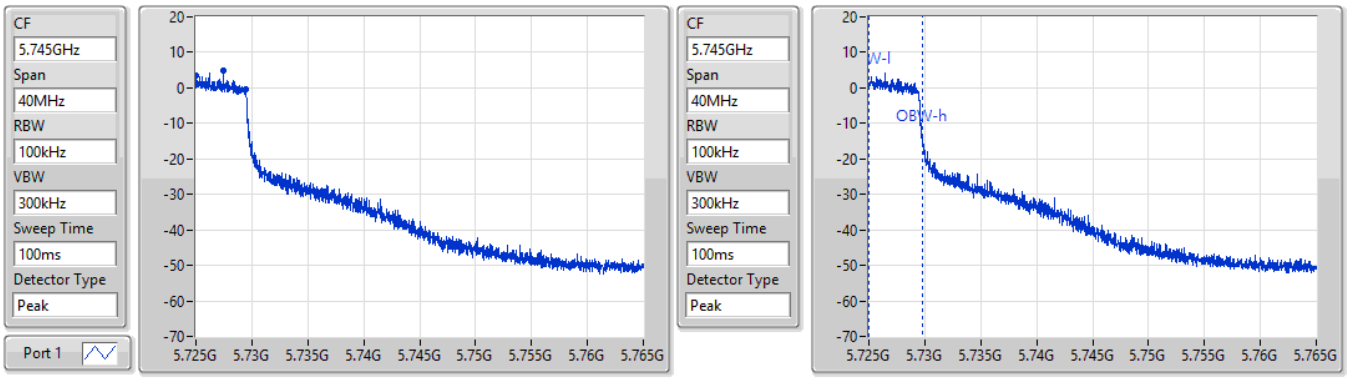



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.93M | 5.70907G | 5.725G | 14.528M | 5.710405G | 5.724933G | Inf | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

### 5720MHz Straddle 5.725-5.85GHz

10/02/2022

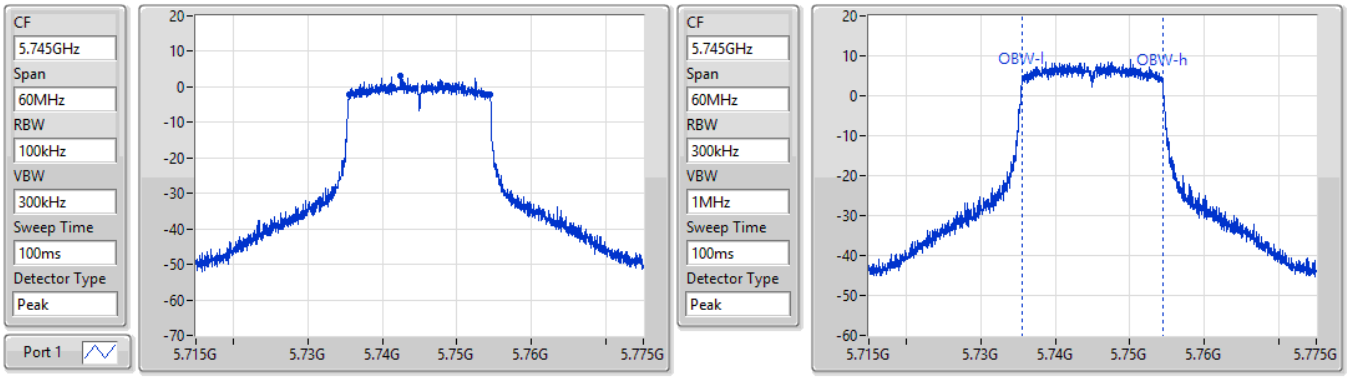



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 4.42M | 5.725G | 5.72942G | 4.798M | 5.72501G | 5.729808G | 500k | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

### 5745MHz

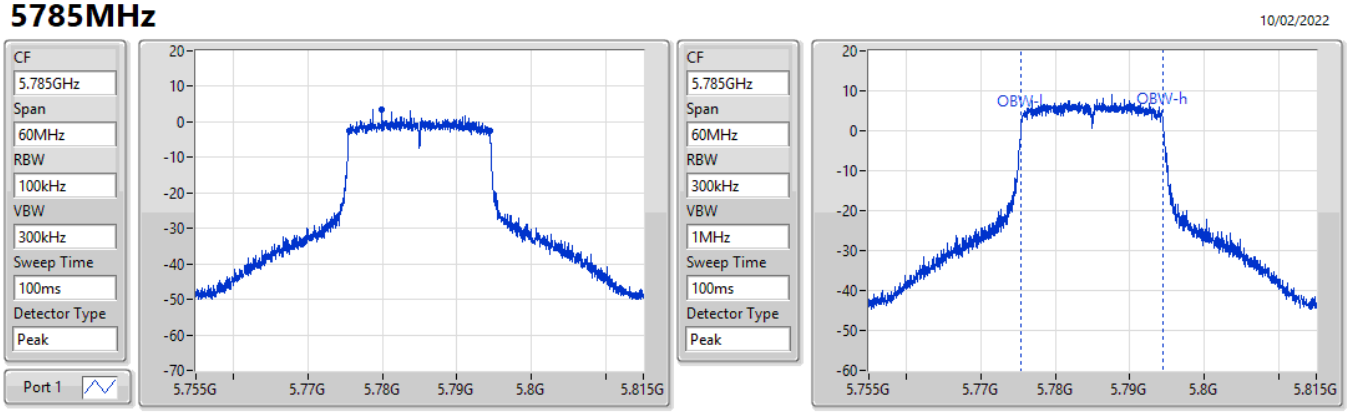
10/02/2022




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.81M | 5.73558G | 5.75439G | 18.921M | 5.735495G | 5.754415G | 500k | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

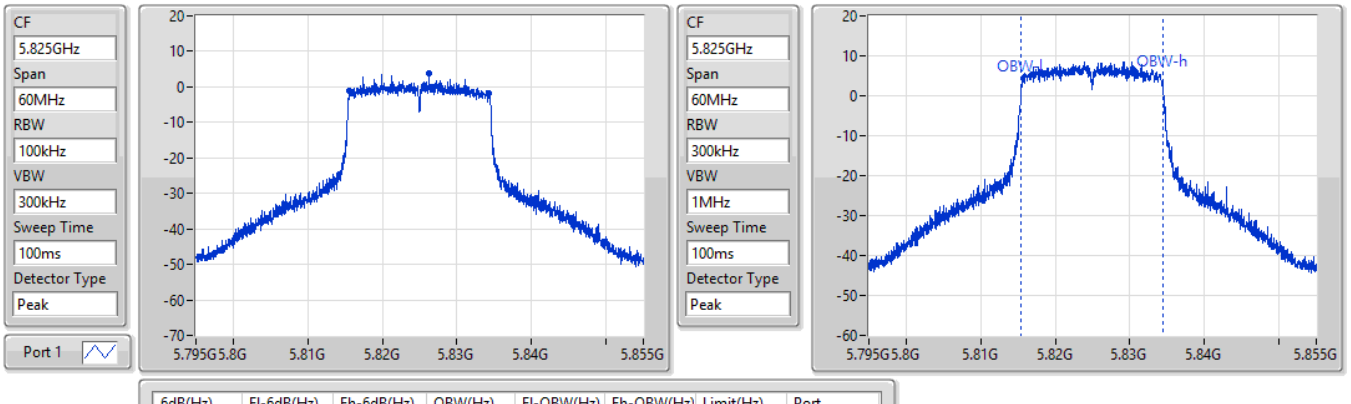
### 5785MHz




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.9M | 5.77549G | 5.79439G | 18.981M | 5.775465G | 5.794445G | 500k | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

### 5825MHz

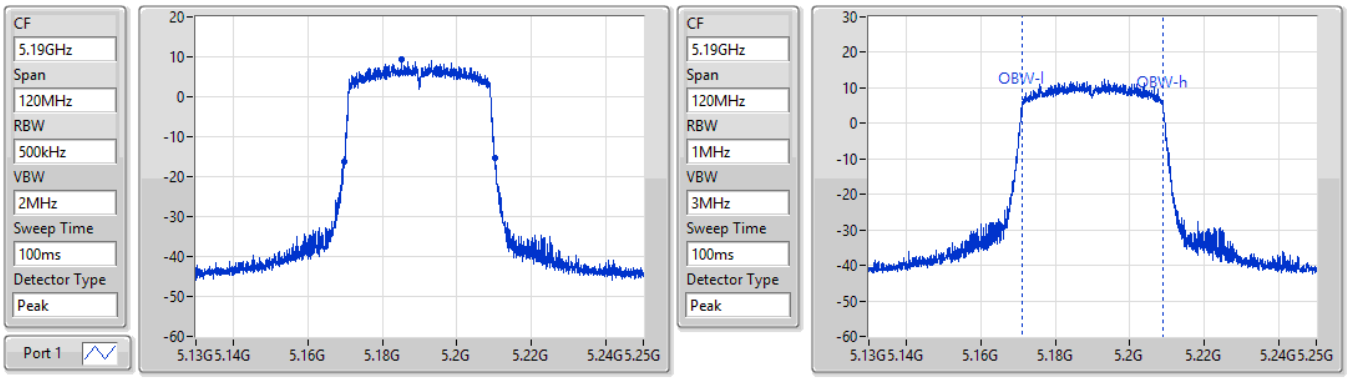



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.78M | 5.81552G | 5.8343G | 18.951M | 5.815465G | 5.834415G | 500k | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

### 5190MHz

10/02/2022

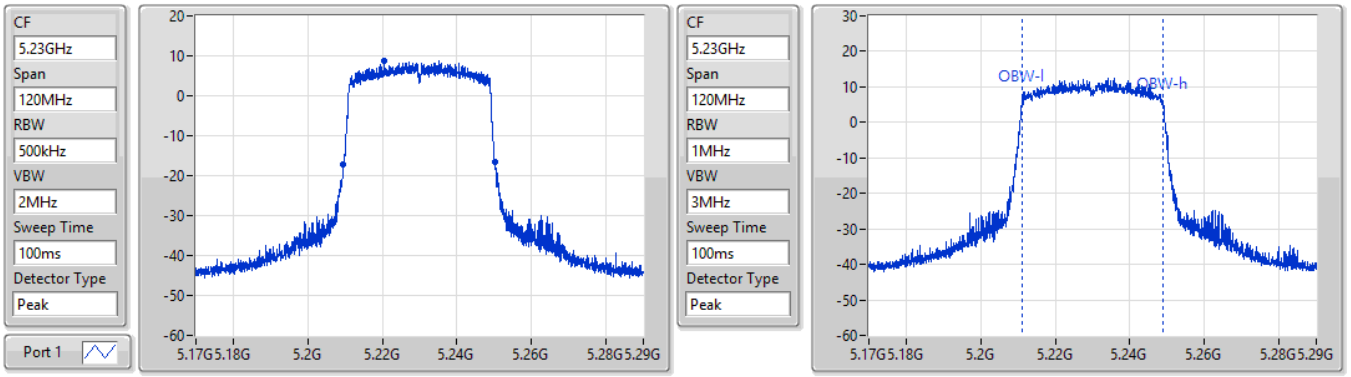



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.5M | 5.16966G | 5.21016G | 37.721M | 5.171109G | 5.208831G | Inf | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

### 5230MHz

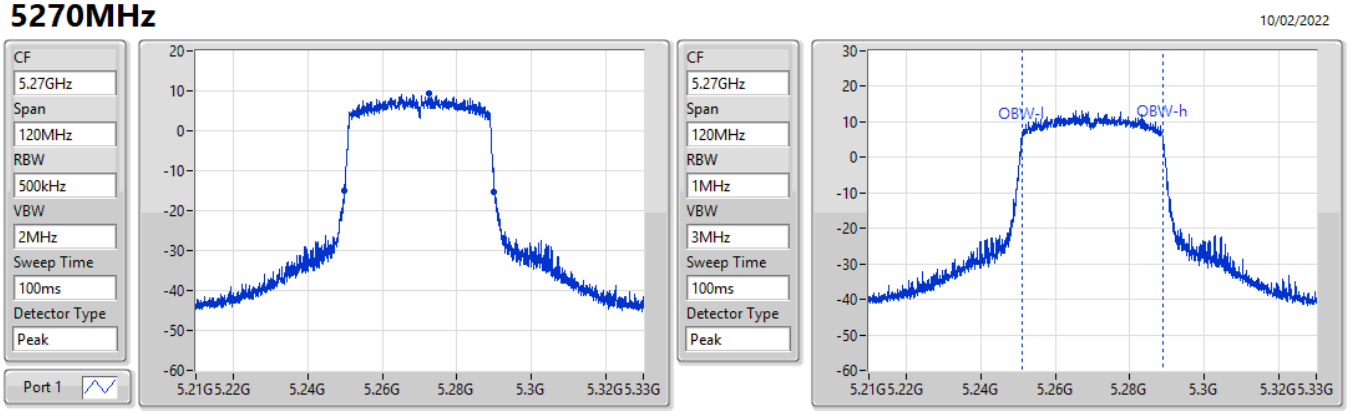
10/02/2022




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.8M | 5.20954G | 5.25034G | 37.781M | 5.211109G | 5.248891G | Inf | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

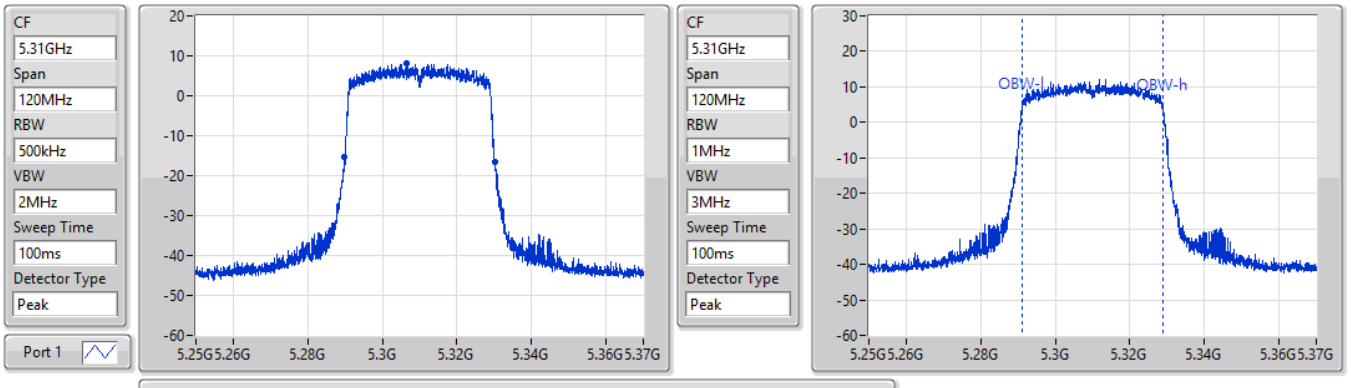
### 5270MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.26M | 5.24978G | 5.29004G | 37.721M | 5.251109G | 5.288831G | Inf | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

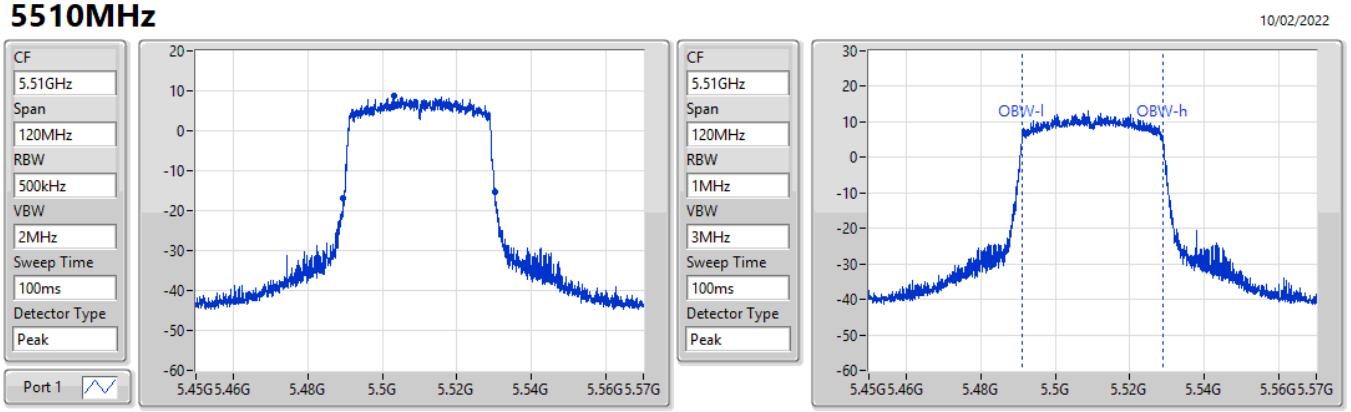
### 5310MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.56M | 5.28978G | 5.33034G | 37.721M | 5.291109G | 5.328831G | Inf | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

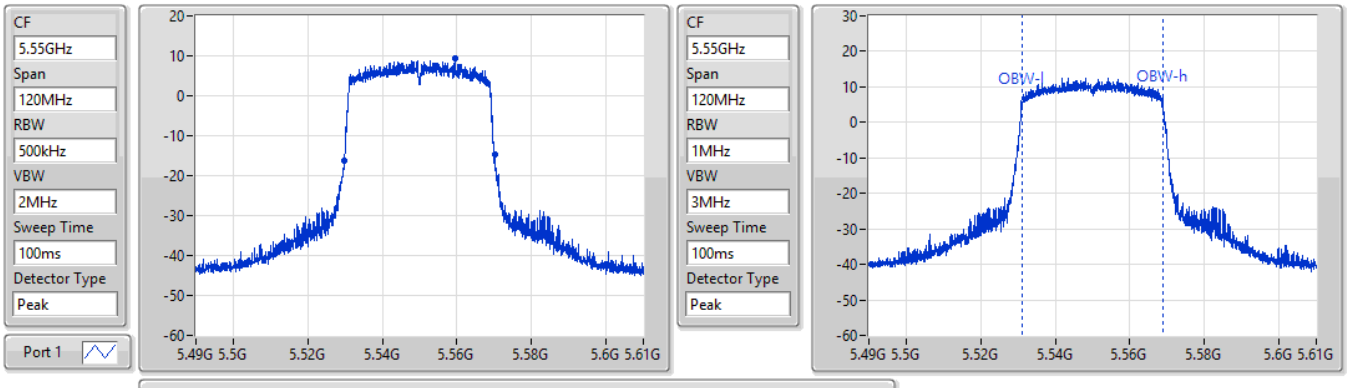
### 5510MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.74M | 5.48948G | 5.53022G | 37.661M | 5.491109G | 5.528771G | Inf | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

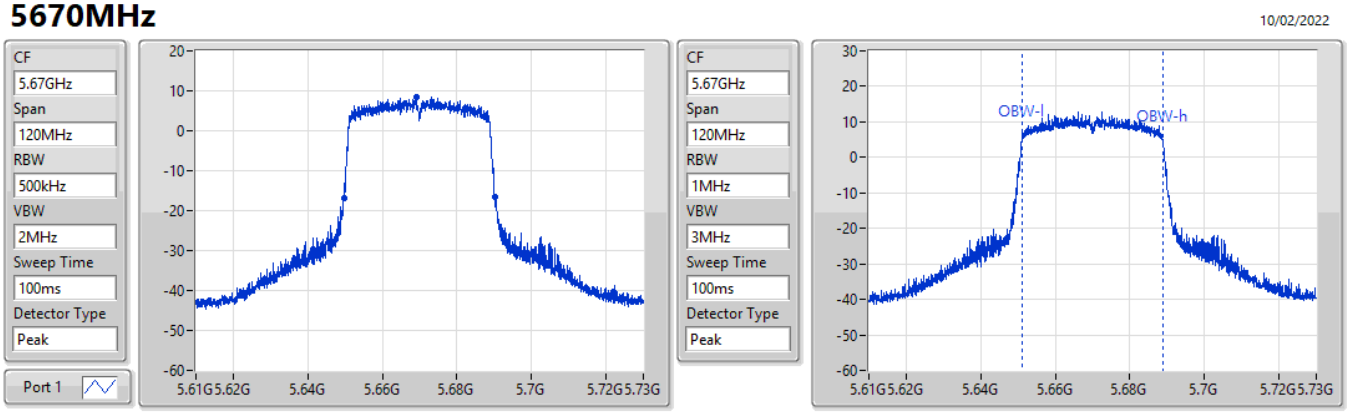
### 5550MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.5M | 5.52972G | 5.57022G | 37.721M | 5.531109G | 5.568831G | Inf | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

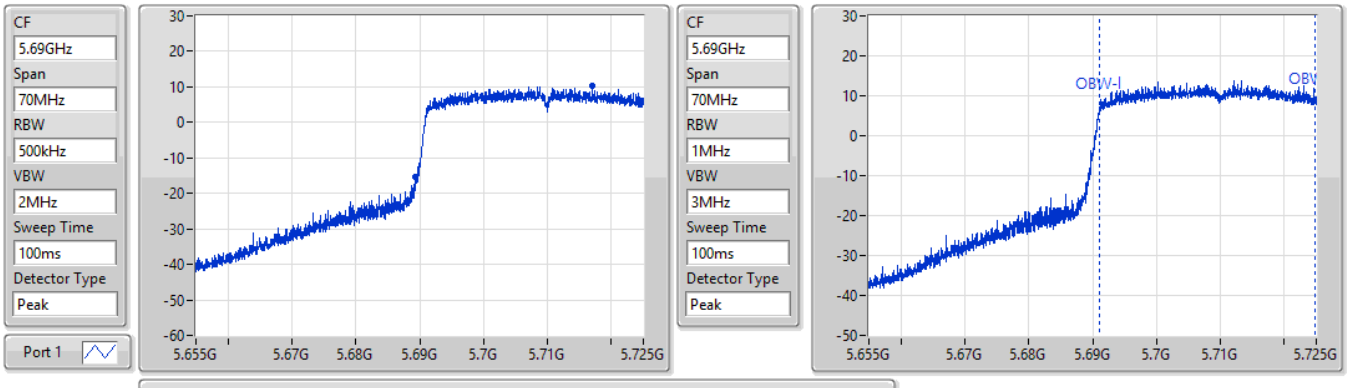
### 5670MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.56M | 5.64966G | 5.69022G | 37.781M | 5.651049G | 5.688831G | Inf | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

### 5710MHz Straddle 5.47-5.725GHz

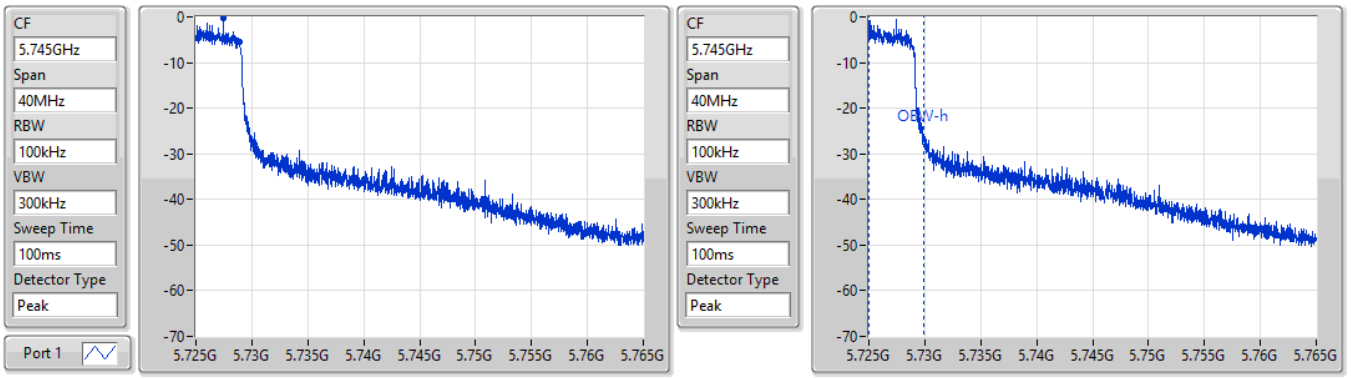



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 35.595M | 5.689405G | 5.725G | 33.758M | 5.691014G | 5.724773G | Inf | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

### 5710MHz Straddle 5.725-5.85GHz

10/02/2022

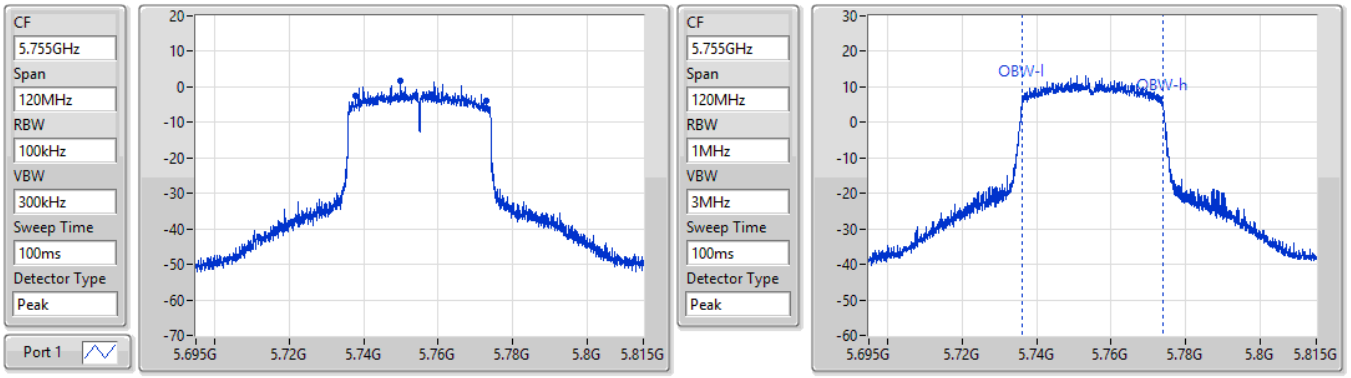



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 3.92M | 5.725G | 5.72892G | 4.858M | 5.72501G | 5.729868G | 500k | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

### 5755MHz

10/02/2022

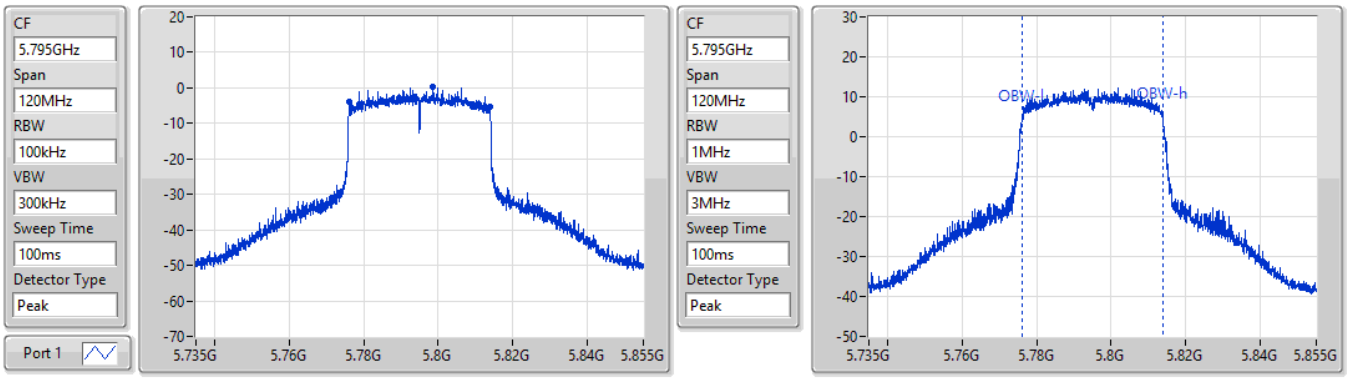



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 34.98M | 5.73784G | 5.77282G | 37.781M | 5.736049G | 5.773831G | 500k | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

### 5795MHz

10/02/2022

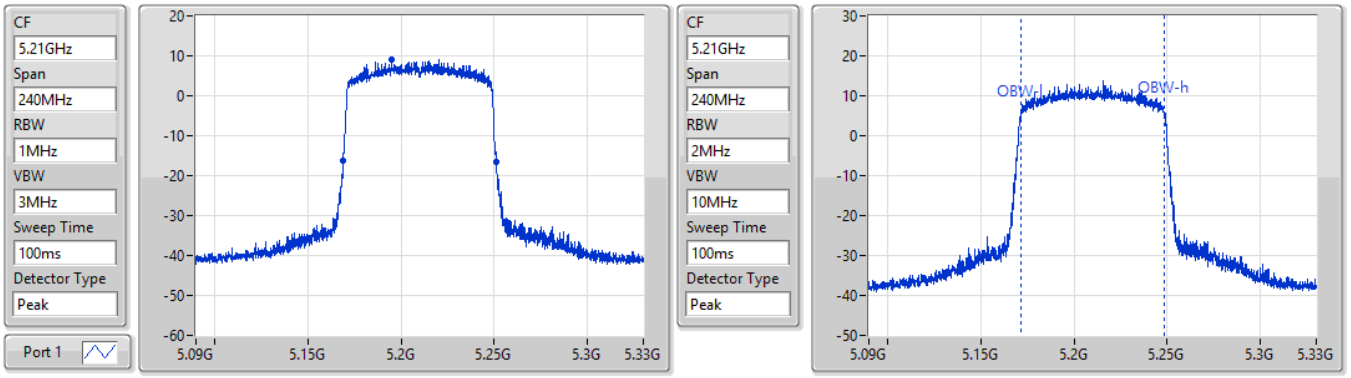



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 37.56M | 5.77616G | 5.81372G | 37.781M | 5.776049G | 5.813831G | 500k | 1 |

## 802.11ax HEW80_Nss1,(MCS0)_1TX EBW

### 5210MHz

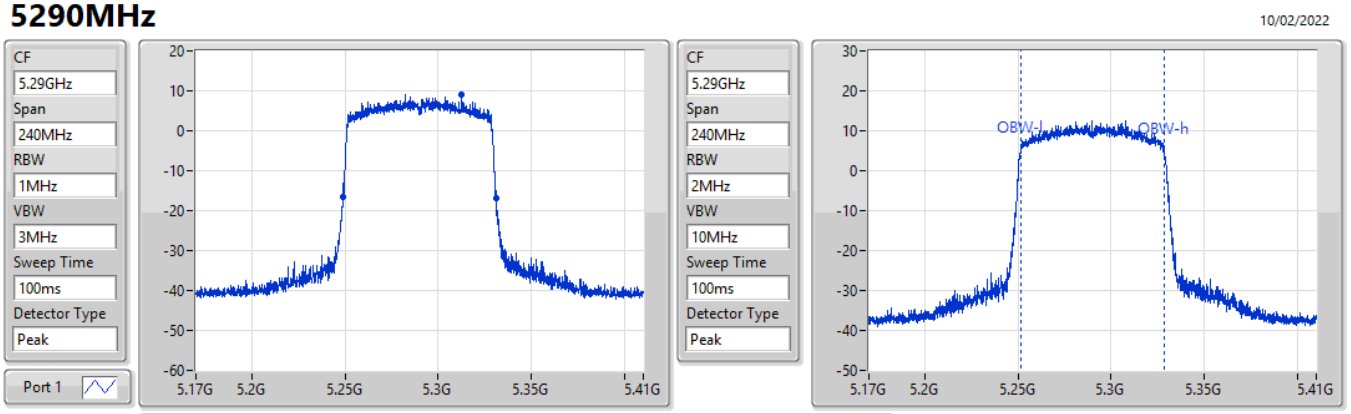
10/02/2022




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 82.2M | 5.16872G | 5.25092G | 77.001M | 5.171499G | 5.248501G | Inf | 1 |

## 802.11ax HEW80_Nss1,(MCS0)_1TX EBW

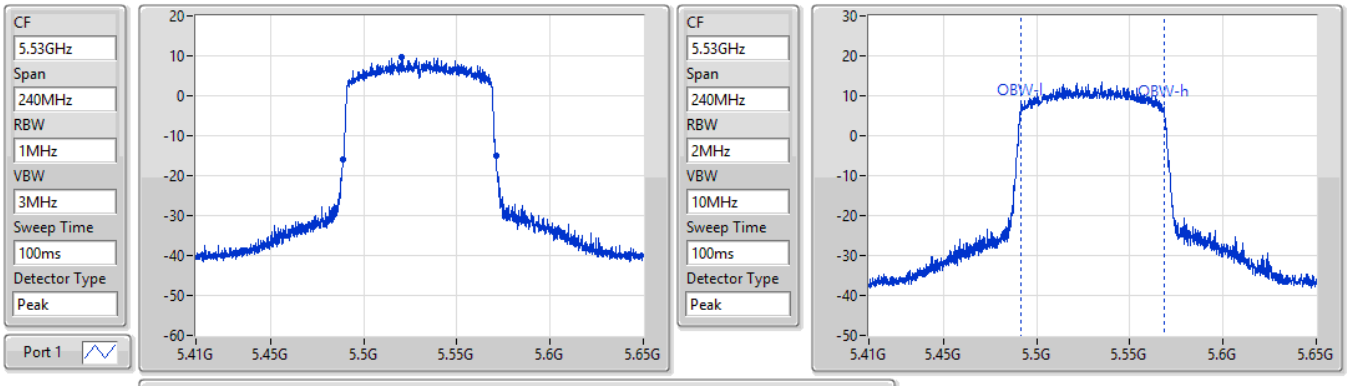
### 5290MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 82.44M | 5.24884G | 5.33128G | 77.121M | 5.251379G | 5.328501G | Inf | 1 |

## 802.11ax HEW80_Nss1,(MCS0)_1TX EBW

### 5530MHz

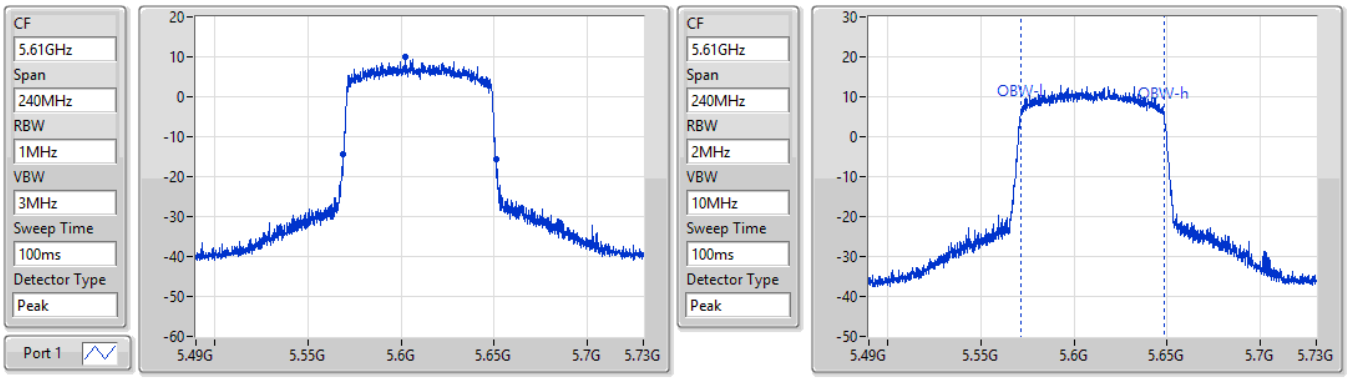



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 82.2M | 5.48872G | 5.57092G | 77.001M | 5.491379G | 5.568381G | Inf | 1 |

## 802.11ax HEW80_Nss1,(MCS0)_1TX EBW

### 5610MHz

10/02/2022

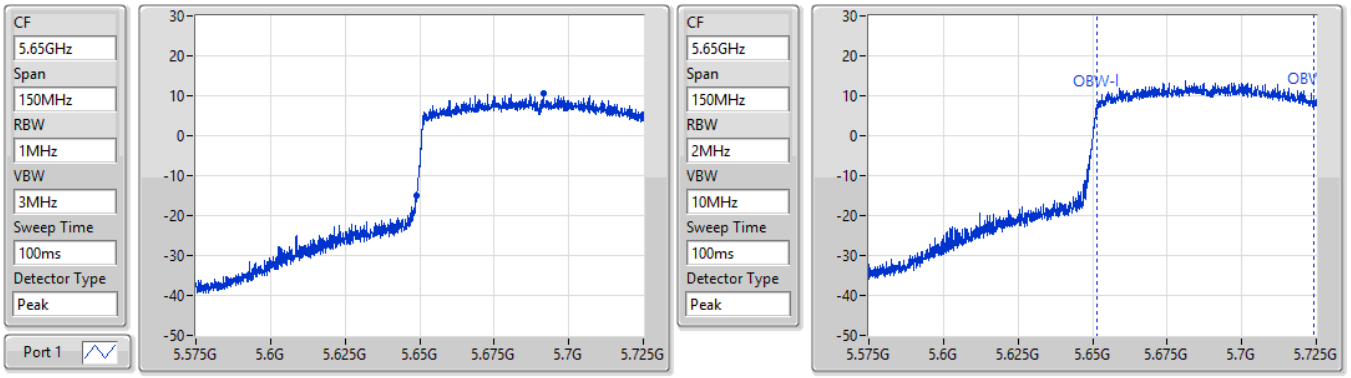



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 81.84M | 5.56896G | 5.6508G | 77.001M | 5.571379G | 5.648381G | Inf | 1 |

## 802.11ax HEW80_Nss1,(MCS0)_1TX EBW

### 5690MHz Straddle 5.47-5.725GHz

10/02/2022

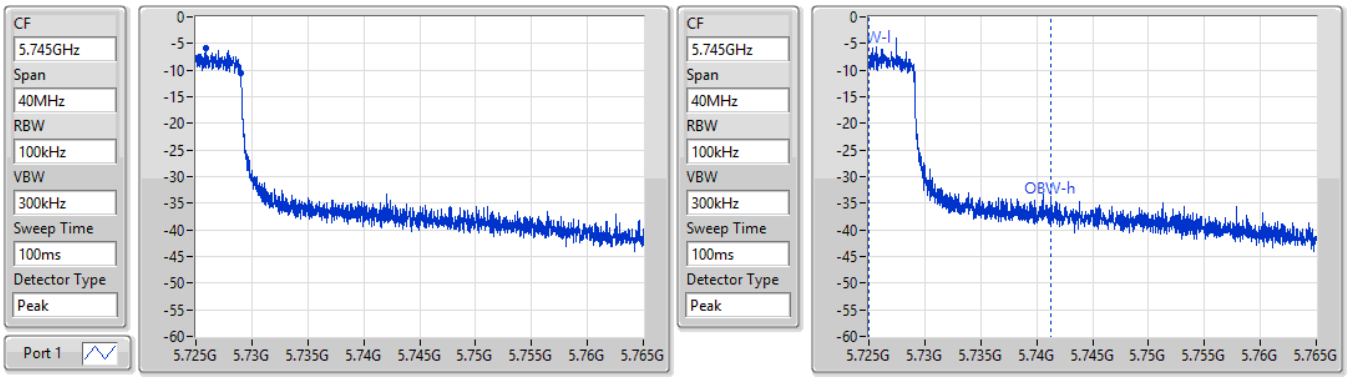



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 76.2M | 5.6488G | 5.725G | 73.013M | 5.651349G | 5.724363G | Inf | 1 |

## 802.11ax HEW80_Nss1,(MCS0)_1TX EBW

### 5690MHz Straddle 5.725-5.85GHz

10/02/2022

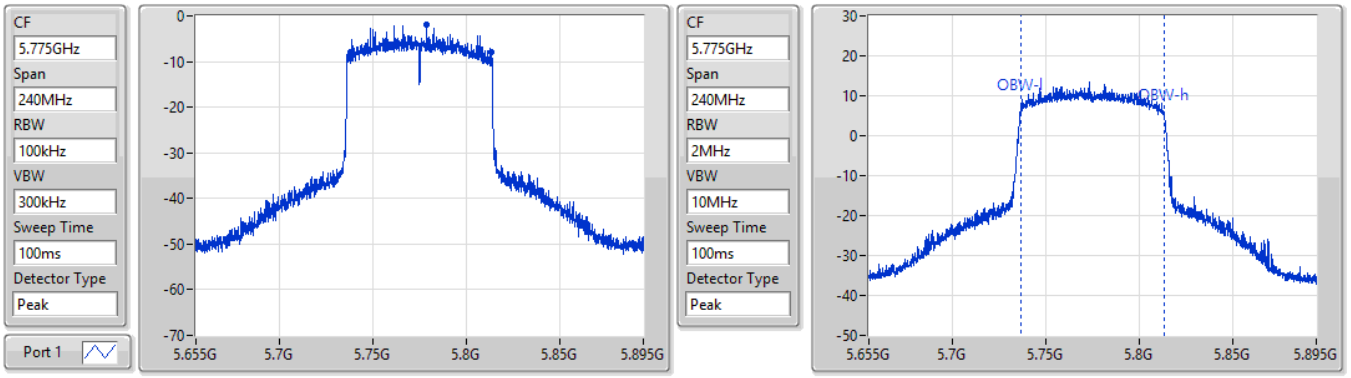



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 4.04M | 5.725G | 5.72904G | 16.212M | 5.72503G | 5.741242G | 500k | 1 |

## 802.11ax HEW80_Nss1,(MCS0)_1TX EBW

### 5775MHz

10/02/2022




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 75.72M | 5.73768G | 5.8134G | 77.241M | 5.736259G | 5.813501G | 500k | 1 |

## Summary

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---|---|---|---|---|---|
| 5.15-5.25GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 19.56M | 16.462M | 16M5D1D | 19.38M | 16.402M |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 21.42M | 18.921M | 18M9D1D | 21.12M | 18.891M |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 40.5M | 37.721M | 37M7D1D | 40.44M | 37.601M |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 81.48M | 77.121M | 77M1D1D | 81.24M | 76.882M |
| 5.25-5.35GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 19.5M | 16.492M | 16M5D1D | 19.35M | 16.372M |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 21.63M | 18.981M | 19M0D1D | 21.09M | 18.891M |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 40.74M | 37.721M | 37M7D1D | 40.26M | 37.661M |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 82.32M | 77.001M | 77M0D1D | 81.48M | 77.001M |
| 5.47-5.725GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 19.56M | 16.612M | 16M6D1D | 15.12M | 13.238M |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 21.42M | 18.921M | 18M9D1D | 15.675M | 14.498M |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 41.04M | 37.721M | 37M7D1D | 35M | 33.583M |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 82.08M | 77.241M | 77M2D1D | 75.525M | 72.939M |
| 5.725-5.85GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 16.29M | 16.612M | 16M6D1D | 2.5M | 3.638M |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 18.72M | 18.981M | 19M0D1D | 4.4M | 4.638M |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 36.84M | 37.781M | 37M8D1D | 3.86M | 4.118M |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 75.72M | 77.241M | 77M2D1D | 3.92M | 4.358M |

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

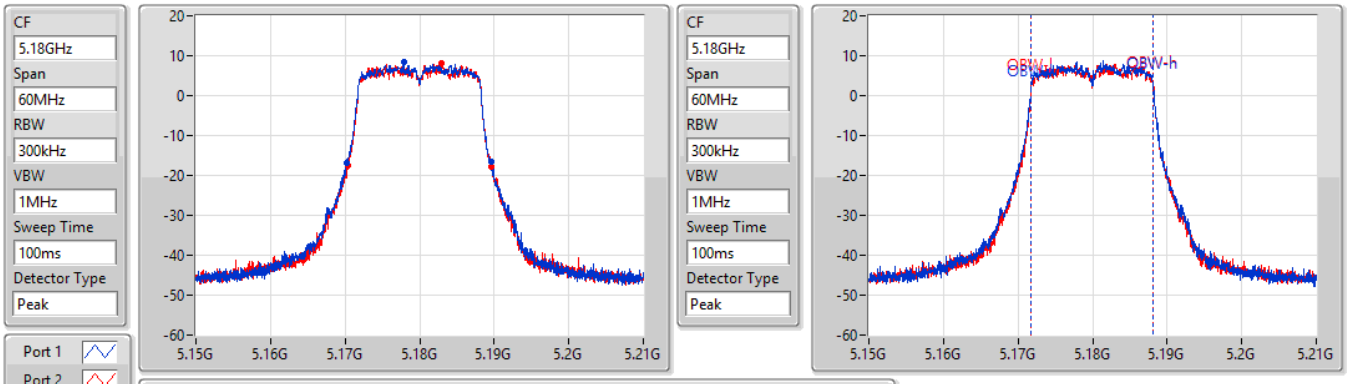
| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) |
|---|---|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | - | - | - | - | - | - |
| 5180MHz | Pass | Inf | 19.53M | 16.432M | 19.38M | 16.402M |
| 5200MHz | Pass | Inf | 19.53M | 16.402M | 19.38M | 16.402M |
| 5240MHz | Pass | Inf | 19.56M | 16.462M | 19.44M | 16.402M |
| 5260MHz | Pass | Inf | 19.5M | 16.462M | 19.47M | 16.402M |
| 5300MHz | Pass | Inf | 19.41M | 16.372M | 19.44M | 16.432M |
| 5320MHz | Pass | Inf | 19.44M | 16.492M | 19.35M | 16.402M |
| 5500MHz | Pass | Inf | 19.5M | 16.462M | 19.38M | 16.402M |
| 5580MHz | Pass | Inf | 19.56M | 16.522M | 19.23M | 16.432M |
| 5700MHz | Pass | Inf | 19.47M | 16.612M | 19.41M | 16.432M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 15.225M | 13.253M | 15.12M | 13.238M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 2.5M | 3.638M | 3.12M | 3.638M |
| 5745MHz | Pass | 500k | 16.02M | 16.582M | 16.26M | 16.432M |
| 5785MHz | Pass | 500k | 15.93M | 16.612M | 16.29M | 16.432M |
| 5825MHz | Pass | 500k | 15.72M | 16.522M | 16.29M | 16.462M |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5180MHz | Pass | Inf | 21.33M | 18.921M | 21.18M | 18.891M |
| 5200MHz | Pass | Inf | 21.3M | 18.921M | 21.12M | 18.891M |
| 5240MHz | Pass | Inf | 21.42M | 18.891M | 21.21M | 18.921M |
| 5260MHz | Pass | Inf | 21.57M | 18.981M | 21.36M | 18.921M |
| 5300MHz | Pass | Inf | 21.09M | 18.891M | 21.3M | 18.951M |
| 5320MHz | Pass | Inf | 21.63M | 18.981M | 21.15M | 18.921M |
| 5500MHz | Pass | Inf | 21.12M | 18.891M | 21.18M | 18.891M |
| 5580MHz | Pass | Inf | 20.97M | 18.771M | 21.3M | 18.921M |
| 5700MHz | Pass | Inf | 20.43M | 18.621M | 21.42M | 18.921M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 15.885M | 14.558M | 15.675M | 14.498M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.46M | 4.838M | 4.4M | 4.638M |
| 5745MHz | Pass | 500k | 15.99M | 18.771M | 18.6M | 18.921M |
| 5785MHz | Pass | 500k | 16.38M | 18.831M | 18.72M | 18.921M |
| 5825MHz | Pass | 500k | 16.92M | 18.981M | 18.6M | 18.951M |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5190MHz | Pass | Inf | 40.5M | 37.721M | 40.5M | 37.721M |
| 5230MHz | Pass | Inf | 40.5M | 37.601M | 40.44M | 37.721M |
| 5270MHz | Pass | Inf | 40.26M | 37.661M | 40.74M | 37.721M |
| 5310MHz | Pass | Inf | 40.56M | 37.661M | 40.44M | 37.661M |
| 5510MHz | Pass | Inf | 40.62M | 37.721M | 40.44M | 37.661M |
| 5550MHz | Pass | Inf | 40.62M | 37.541M | 41.04M | 37.721M |
| 5670MHz | Pass | Inf | 40.2M | 37.421M | 40.38M | 37.721M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 35M | 33.583M | 35.49M | 33.758M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.86M | 4.118M | 3.96M | 4.258M |
| 5755MHz | Pass | 500k | 35.64M | 37.721M | 36.18M | 37.781M |
| 5795MHz | Pass | 500k | 36M | 37.721M | 36.84M | 37.781M |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5210MHz | Pass | Inf | 81.24M | 77.121M | 81.48M | 76.882M |
| 5290MHz | Pass | Inf | 82.32M | 77.001M | 81.48M | 77.001M |
| 5530MHz | Pass | Inf | 81.84M | 76.882M | 81.72M | 77.001M |
| 5610MHz | Pass | Inf | 82.08M | 77.241M | 81.96M | 77.001M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 75.525M | 73.013M | 76.05M | 72.939M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.92M | 4.358M | 3.96M | 5.317M |
| 5775MHz | Pass | 500k | 75.24M | 77.241M | 75.72M | 77.001M |

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)_2TX EBW

### 5180MHz

10/02/2022

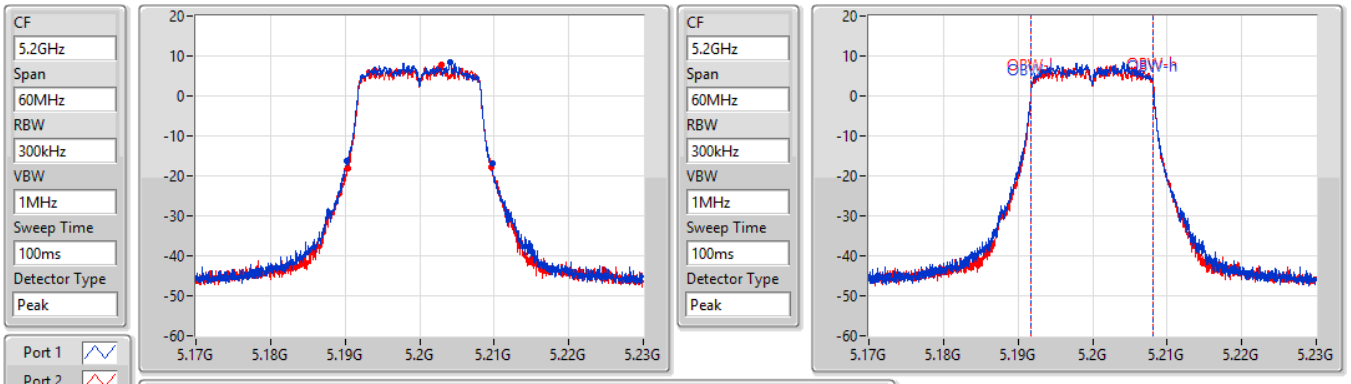



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.53M | 5.17016G | 5.18969G | 16.432M | 5.171724G | 5.188156G | Inf | 1 |
| 19.38M | 5.17031G | 5.18969G | 16.402M | 5.171784G | 5.188186G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5200MHz

10/02/2022

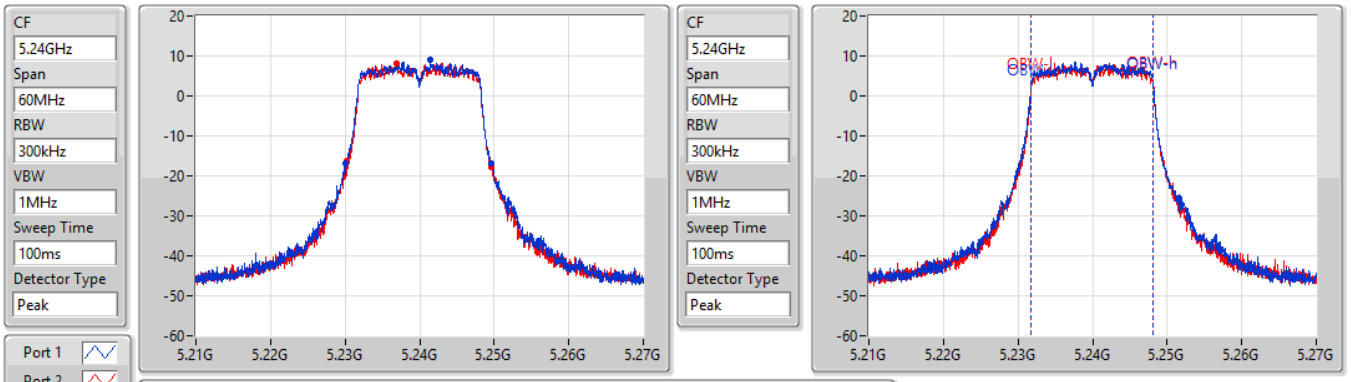



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.53M | 5.19022G | 5.20975G | 16.402M | 5.191754G | 5.208156G | Inf | 1 |
| 19.38M | 5.19031G | 5.20969G | 16.402M | 5.191784G | 5.208186G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5240MHz

10/02/2022

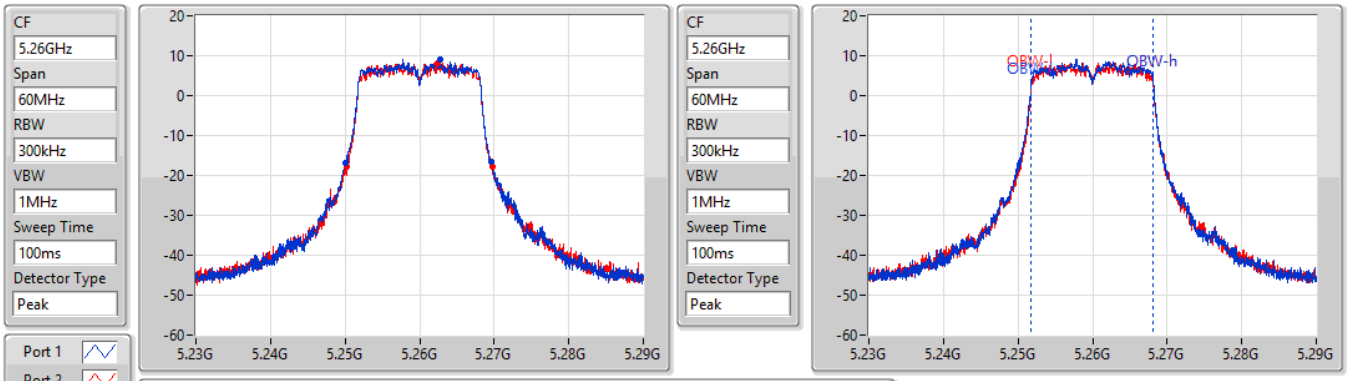



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.56M | 5.2301G | 5.24966G | 16.462M | 5.231724G | 5.248186G | Inf | 1 |
| 19.44M | 5.23025G | 5.24969G | 16.402M | 5.231784G | 5.248186G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5260MHz

10/02/2022

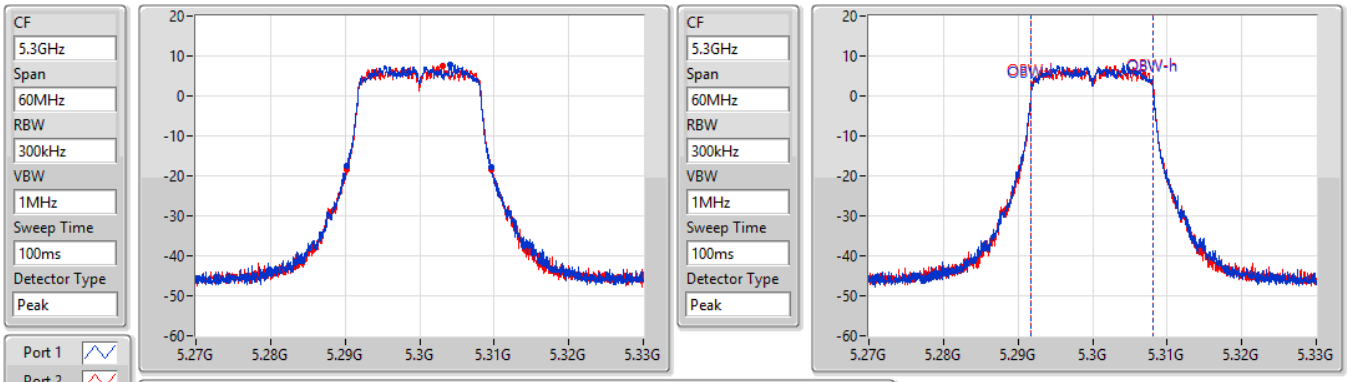



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.5M | 5.25007G | 5.26957G | 16.462M | 5.251724G | 5.268186G | Inf | 1 |
| 19.47M | 5.25025G | 5.26972G | 16.402M | 5.251784G | 5.268186G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5300MHz

10/02/2022

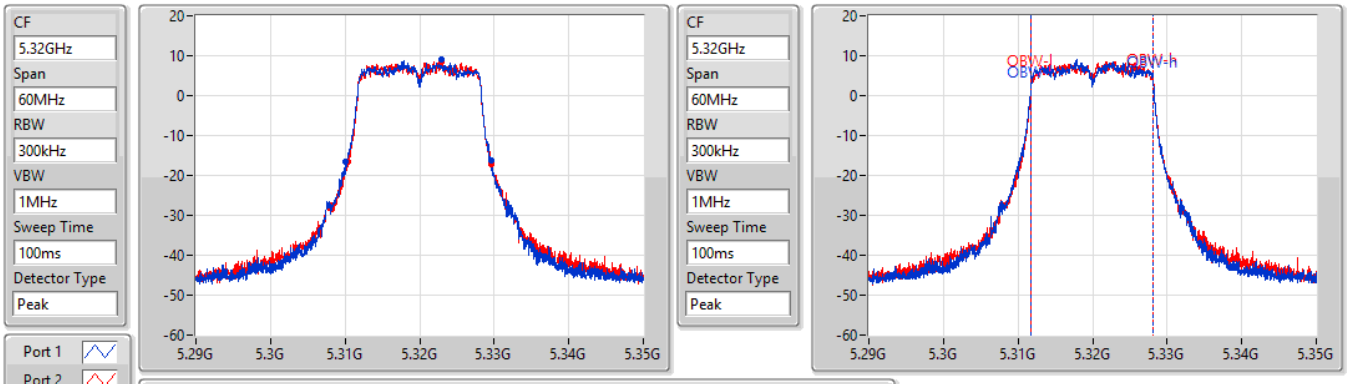



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.41M | 5.29016G | 5.30957G | 16.372M | 5.291754G | 5.308126G | Inf | 1 |
| 19.44M | 5.29025G | 5.30969G | 16.432M | 5.291754G | 5.308186G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5320MHz

10/02/2022

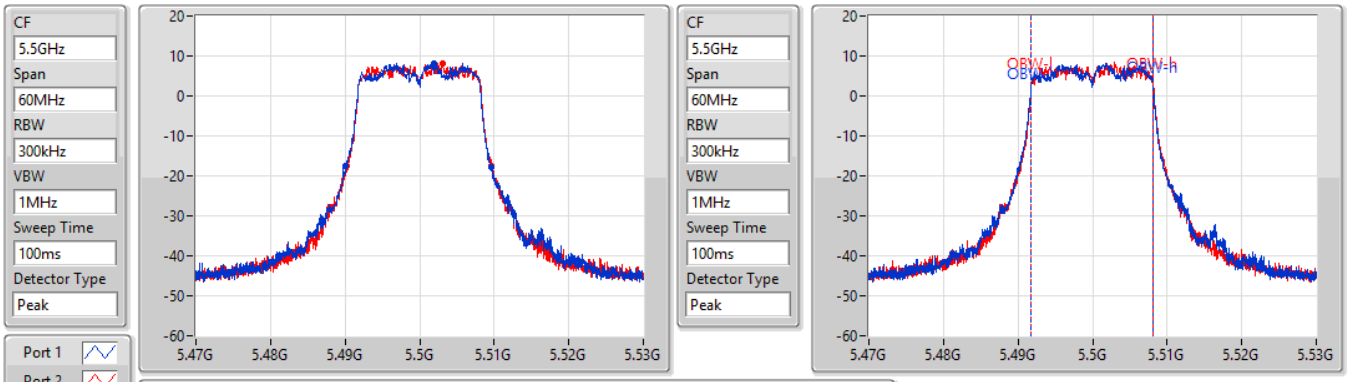



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.44M | 5.31013G | 5.32957G | 16.492M | 5.311694G | 5.328186G | Inf | 1 |
| 19.35M | 5.31034G | 5.32969G | 16.402M | 5.311784G | 5.328186G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5500MHz

10/02/2022

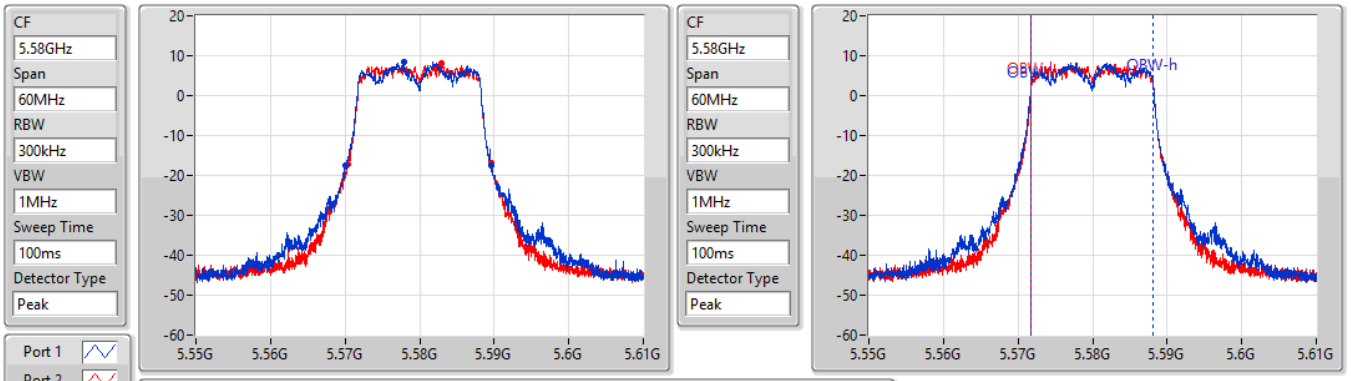



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.5M | 5.4901G | 5.5096G | 16.462M | 5.491694G | 5.508156G | Inf | 1 |
| 19.38M | 5.49028G | 5.50966G | 16.402M | 5.491784G | 5.508186G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5580MHz

10/02/2022

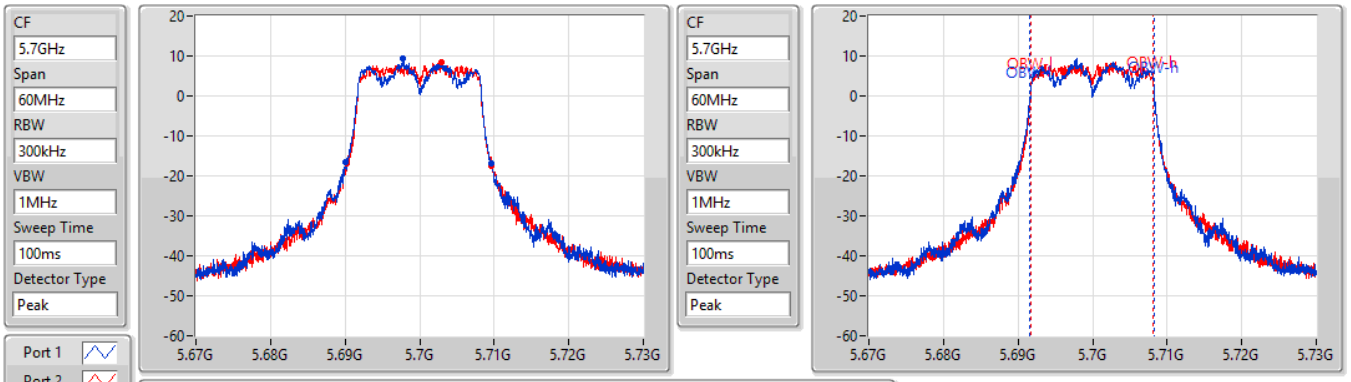



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.56M | 5.57007G | 5.58963G | 16.522M | 5.571664G | 5.588186G | Inf | 1 |
| 19.23M | 5.57031G | 5.58954G | 16.432M | 5.571754G | 5.588186G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5700MHz

10/02/2022

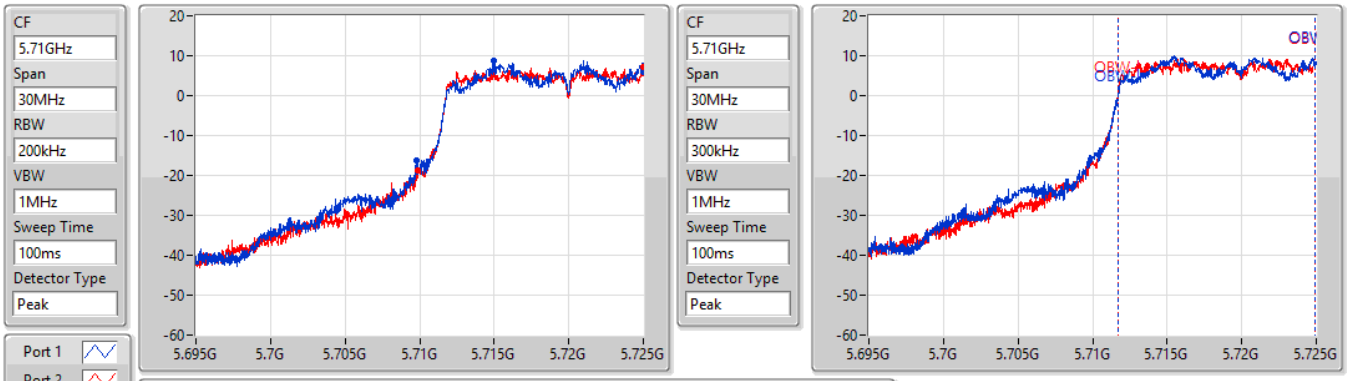



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.47M | 5.69007G | 5.70954G | 16.612M | 5.691634G | 5.708246G | Inf | 1 |
| 19.41M | 5.69028G | 5.70969G | 16.432M | 5.691754G | 5.708186G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5720MHz Straddle 5.47-5.725GHz

10/02/2022

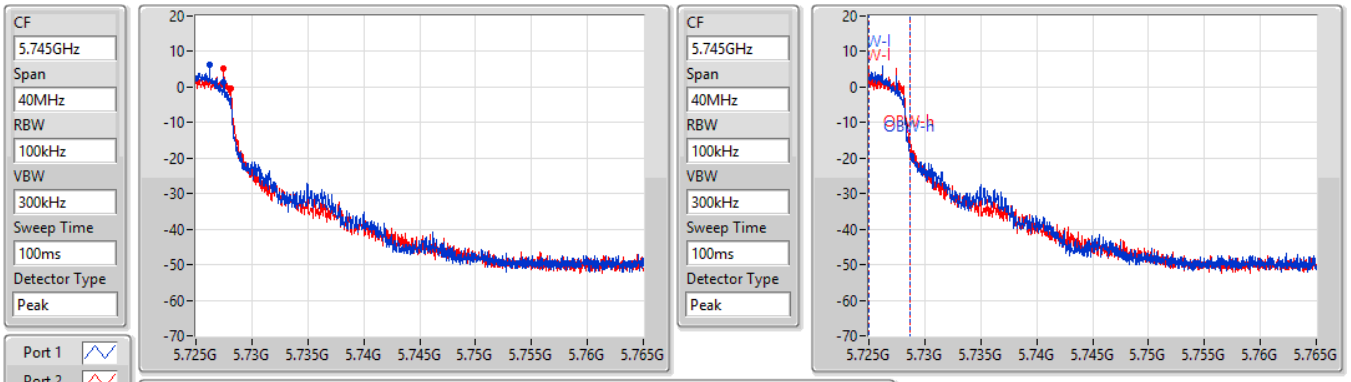



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.225M | 5.709775G | 5.725G | 13.253M | 5.711694G | 5.724948G | Inf | 1 |
| 15.12M | 5.70988G | 5.725G | 13.238M | 5.711709G | 5.724948G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5720MHz Straddle 5.725-5.85GHz

10/02/2022

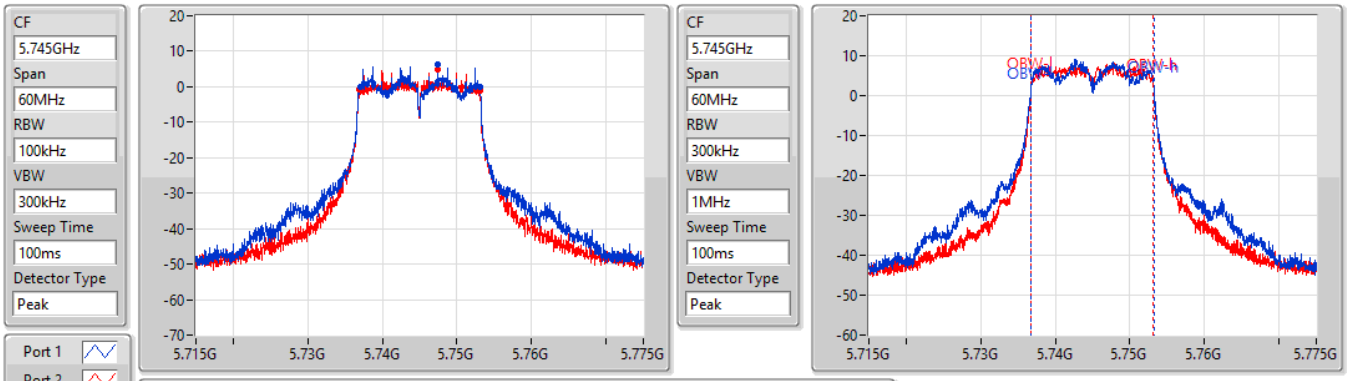



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 2.5M | 5.725G | 5.7275G | 3.638M | 5.72501G | 5.728648G | 500k | 1 |
| 3.12M | 5.725G | 5.72812G | 3.638M | 5.72501G | 5.728648G | 500k | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5745MHz

10/02/2022

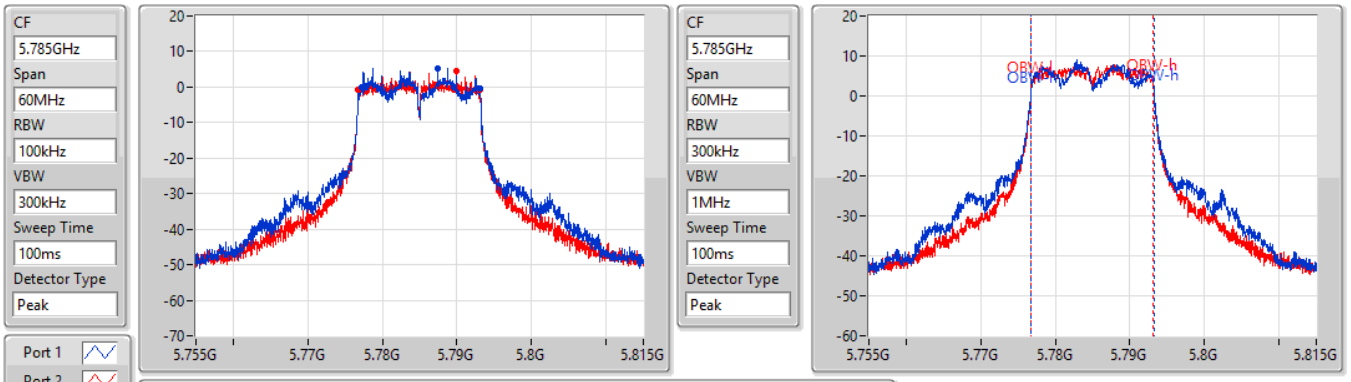



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.02M | 5.73711G | 5.75313G | 16.582M | 5.736664G | 5.753246G | 500k | 1 |
| 16.26M | 5.73684G | 5.7531G | 16.432M | 5.736754G | 5.753186G | 500k | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5785MHz

10/02/2022

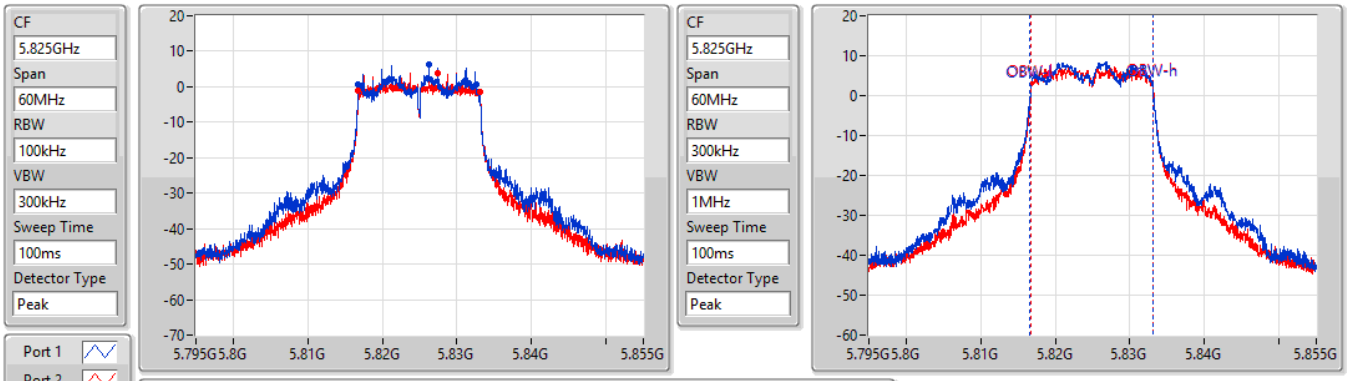



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.93M | 5.7772G | 5.79313G | 16.612M | 5.776664G | 5.793276G | 500k | 1 |
| 16.29M | 5.77681G | 5.7931G | 16.432M | 5.776754G | 5.793186G | 500k | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5825MHz

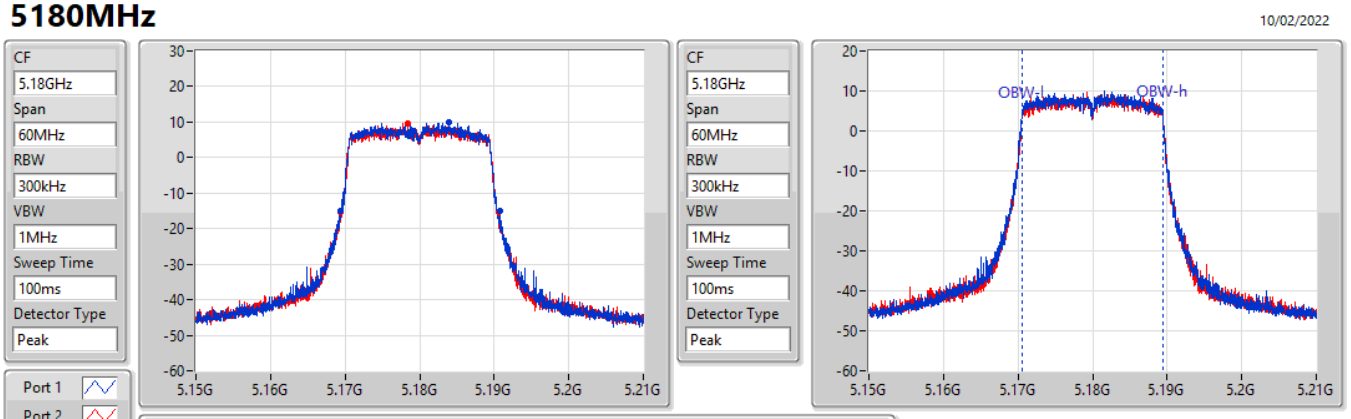
10/02/2022




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.72M | 5.81681G | 5.83253G | 16.522M | 5.816634G | 5.833156G | 500k | 1 |
| 16.29M | 5.81681G | 5.8331G | 16.462M | 5.816724G | 5.833186G | 500k | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

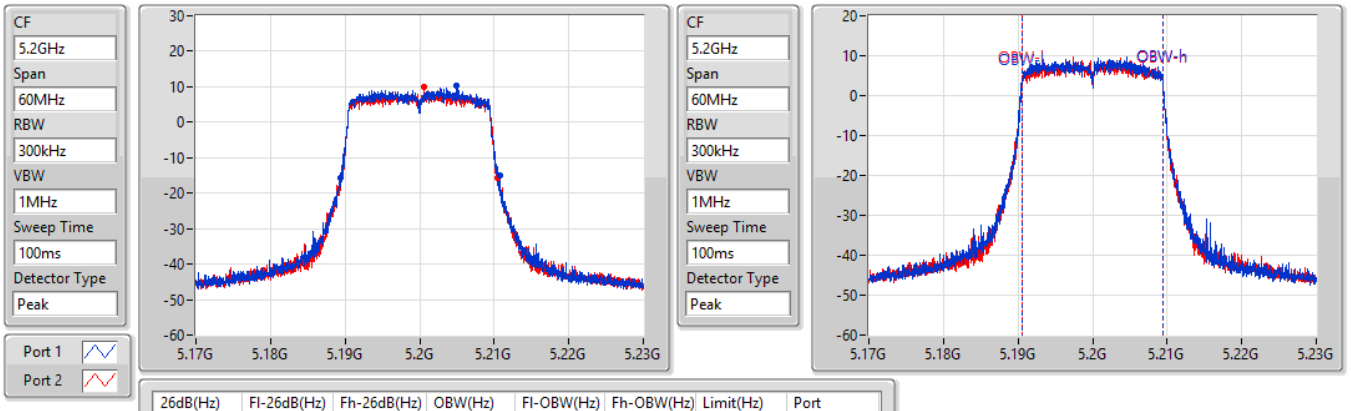
### 5180MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.33M | 5.16941G | 5.19074G | 18.921M | 5.170495G | 5.189415G | Inf | 1 |
| 21.18M | 5.16938G | 5.19056G | 18.891M | 5.170525G | 5.189415G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

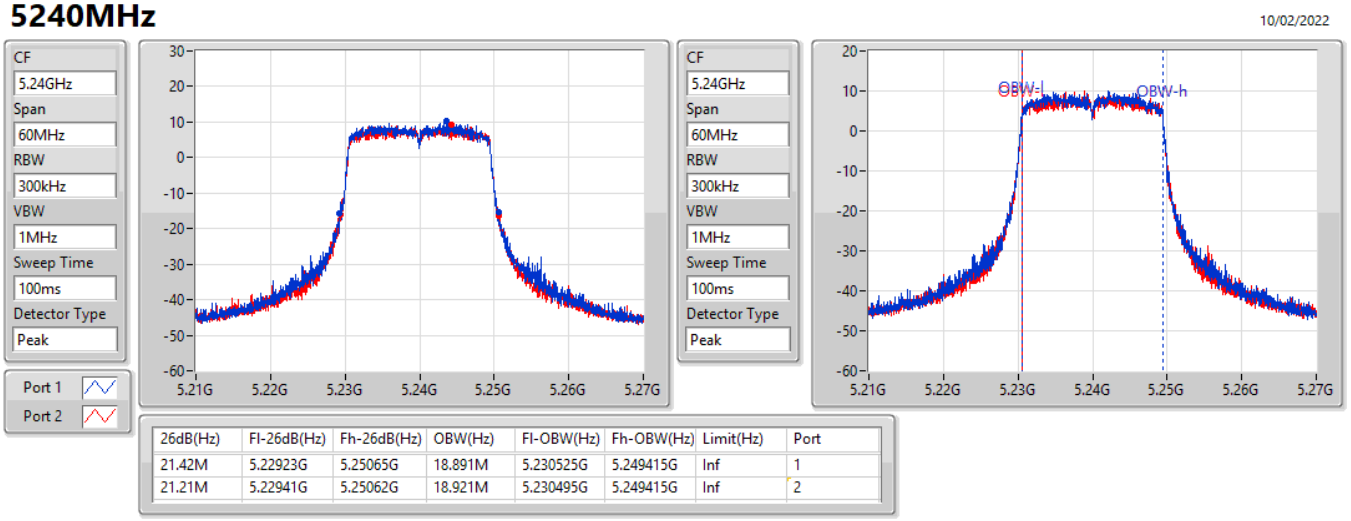
### 5200MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.3M | 5.18944G | 5.21074G | 18.921M | 5.190495G | 5.209415G | Inf | 1 |
| 21.12M | 5.18938G | 5.2105G | 18.891M | 5.190525G | 5.209415G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

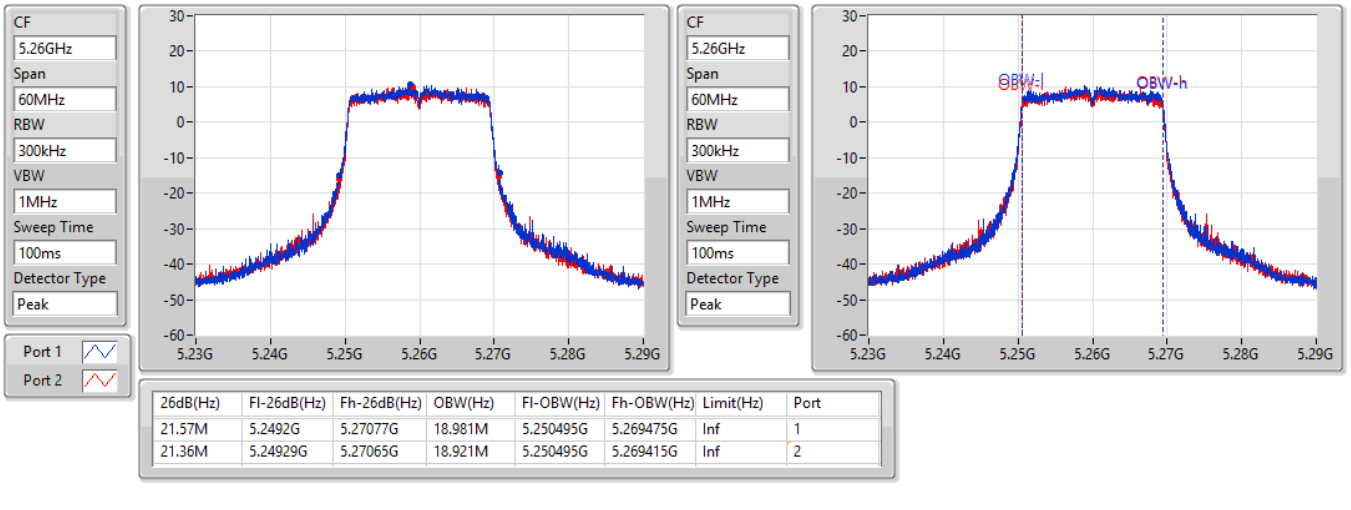
### 5240MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.42M | 5.22923G | 5.25065G | 18.891M | 5.230525G | 5.249415G | Inf | 1 |
| 21.21M | 5.22941G | 5.25062G | 18.921M | 5.230495G | 5.249415G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5260MHz

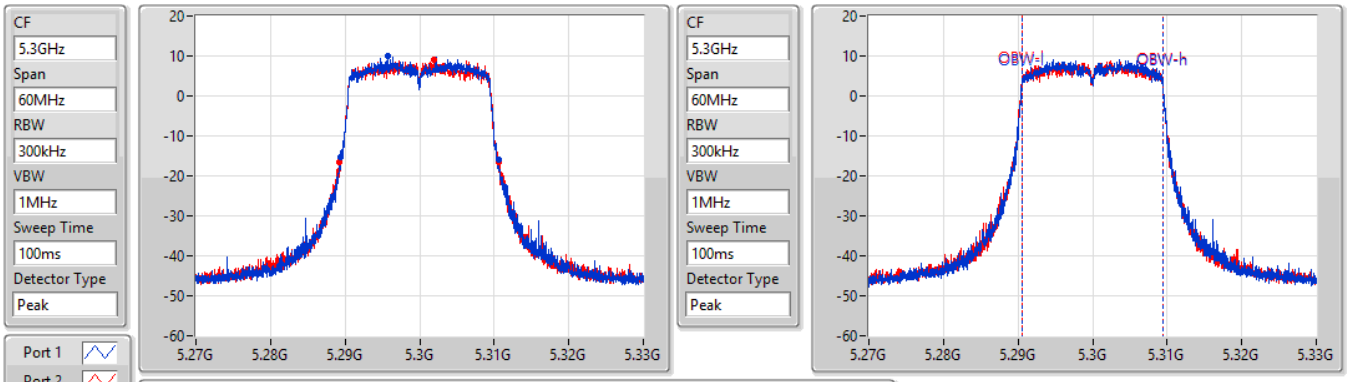



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.57M | 5.2492G | 5.27077G | 18.981M | 5.250495G | 5.269475G | Inf | 1 |
| 21.36M | 5.24929G | 5.27065G | 18.921M | 5.250495G | 5.269415G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5300MHz

10/02/2022

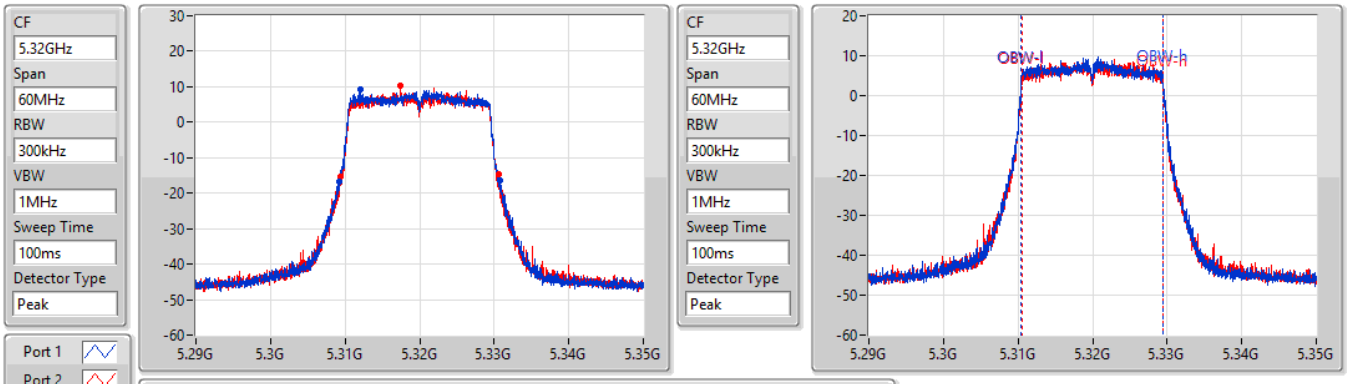



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.09M | 5.28944G | 5.31053G | 18.891M | 5.290525G | 5.309415G | Inf | 1 |
| 21.3M | 5.28926G | 5.31056G | 18.951M | 5.290495G | 5.309445G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5320MHz

10/02/2022

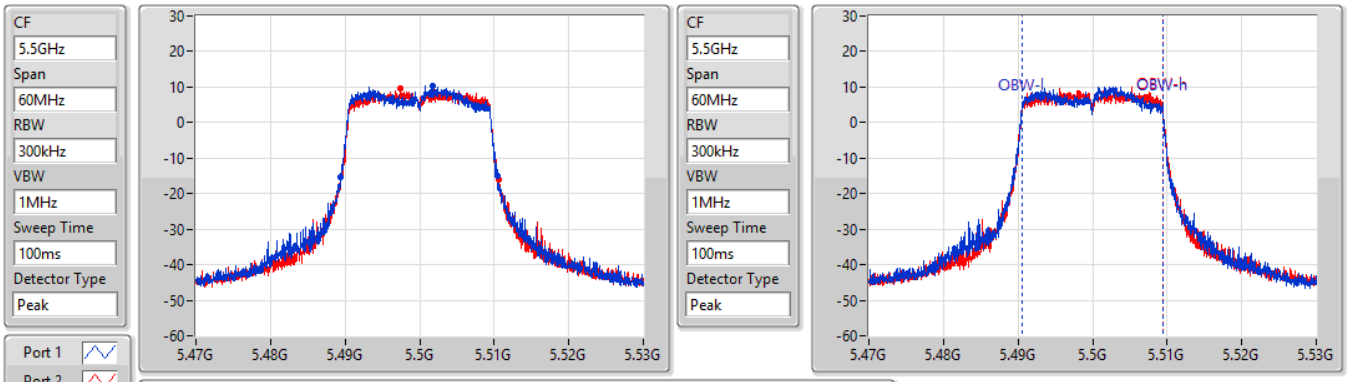



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.63M | 5.30923G | 5.33086G | 18.981M | 5.310465G | 5.329445G | Inf | 1 |
| 21.15M | 5.30941G | 5.33056G | 18.921M | 5.310525G | 5.329445G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5500MHz

10/02/2022

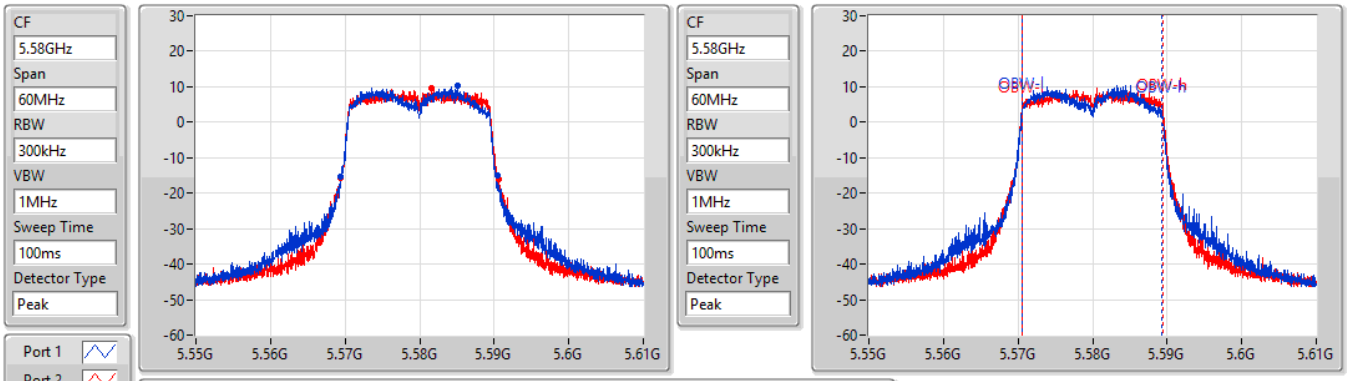



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.12M | 5.48938G | 5.5105G | 18.891M | 5.490495G | 5.509385G | Inf | 1 |
| 21.18M | 5.48947G | 5.51065G | 18.891M | 5.490525G | 5.509415G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5580MHz

10/02/2022

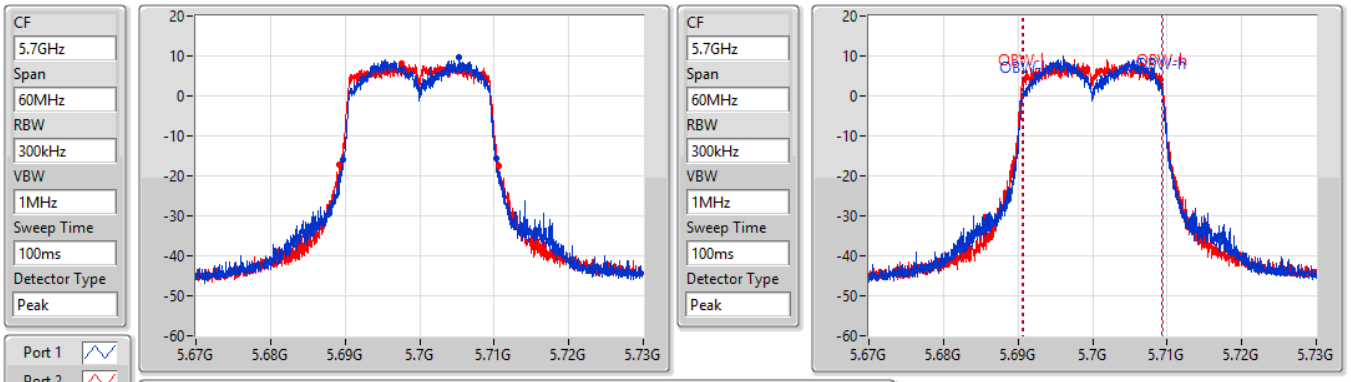



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 20.97M | 5.56944G | 5.59041G | 18.771M | 5.570525G | 5.589295G | Inf | 1 |
| 21.3M | 5.56938G | 5.59068G | 18.921M | 5.570495G | 5.589415G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5700MHz

10/02/2022

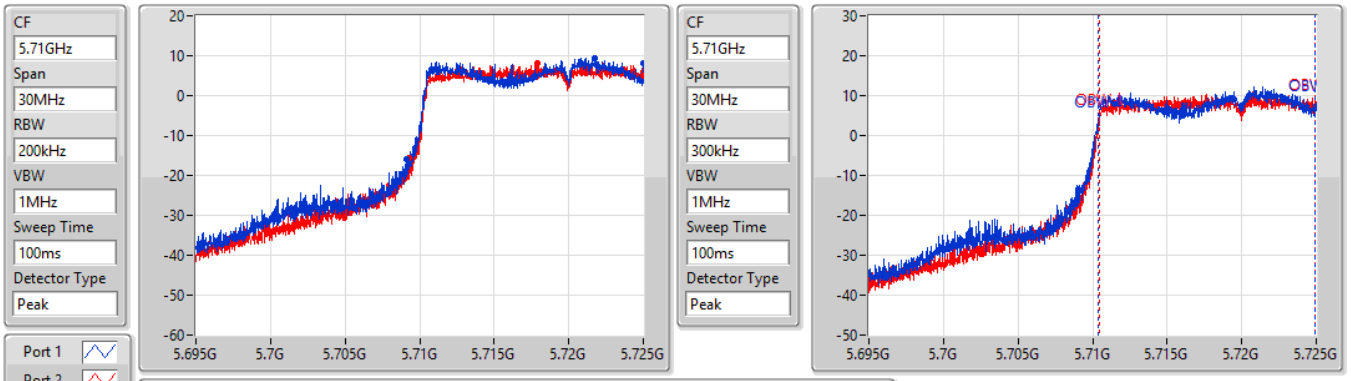



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 20.43M | 5.6898G | 5.71023G | 18.621M | 5.690705G | 5.709325G | Inf | 1 |
| 21.42M | 5.68926G | 5.71068G | 18.921M | 5.690495G | 5.709415G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5720MHz Straddle 5.47-5.725GHz

10/02/2022

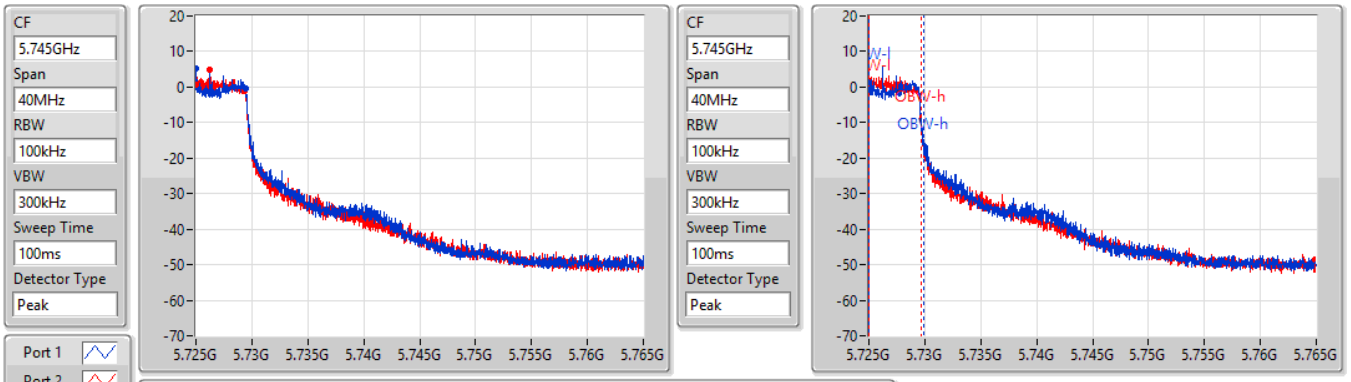



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.885M | 5.709115G | 5.725G | 14.558M | 5.710345G | 5.724903G | Inf | 1 |
| 15.675M | 5.709325G | 5.725G | 14.498M | 5.710435G | 5.724933G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5720MHz Straddle 5.725-5.85GHz

10/02/2022

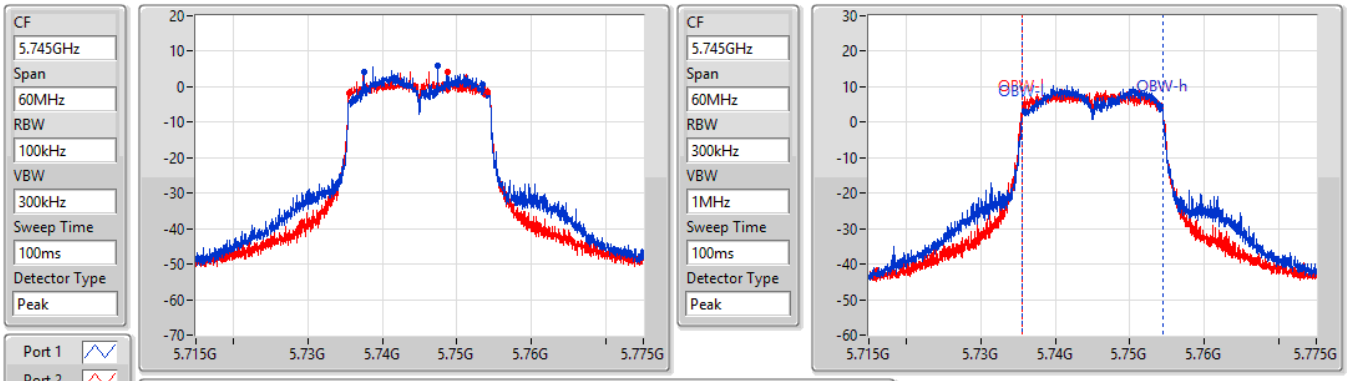



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 4.46M | 5.725G | 5.72946G | 4.838M | 5.72503G | 5.729868G | 500k | 1 |
| 4.4M | 5.725G | 5.7294G | 4.638M | 5.72503G | 5.729668G | 500k | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5745MHz

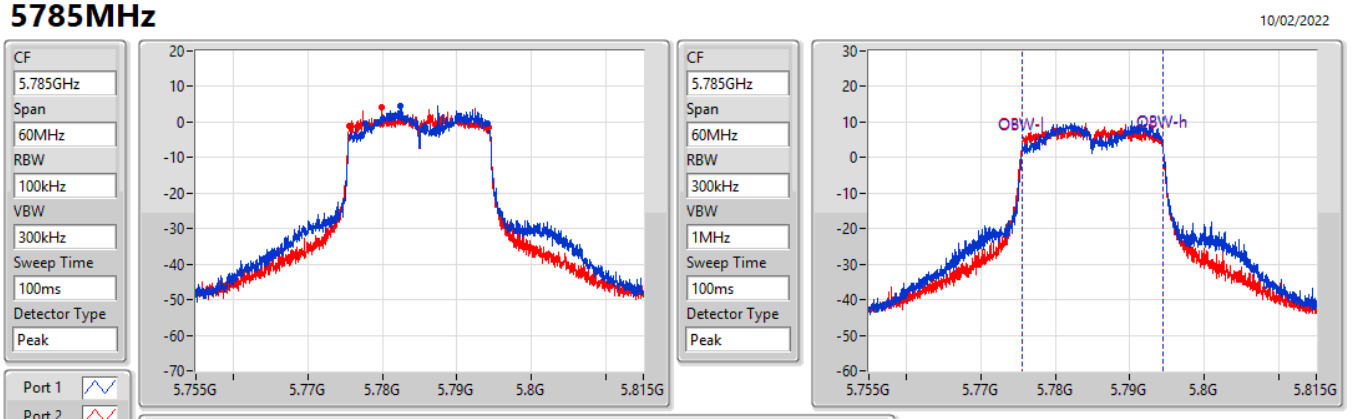
10/02/2022




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.99M | 5.7375G | 5.75349G | 18.771M | 5.735615G | 5.754385G | 500k | 1 |
| 18.6M | 5.73555G | 5.75415G | 18.921M | 5.735495G | 5.754415G | 500k | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

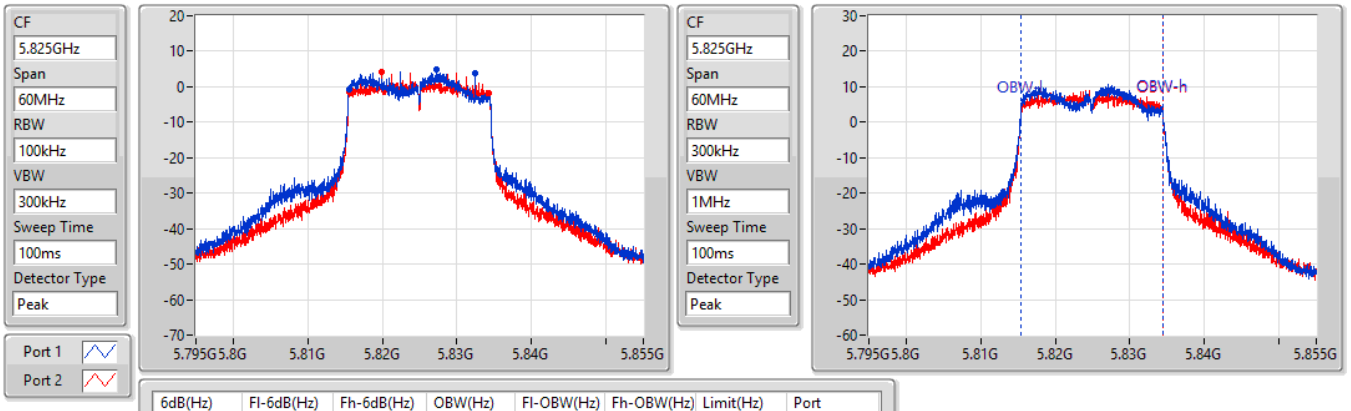
### 5785MHz




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.38M | 5.77771G | 5.79409G | 18.831M | 5.775615G | 5.794445G | 500k | 1 |
| 18.72M | 5.77558G | 5.7943G | 18.921M | 5.775495G | 5.794415G | 500k | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5825MHz

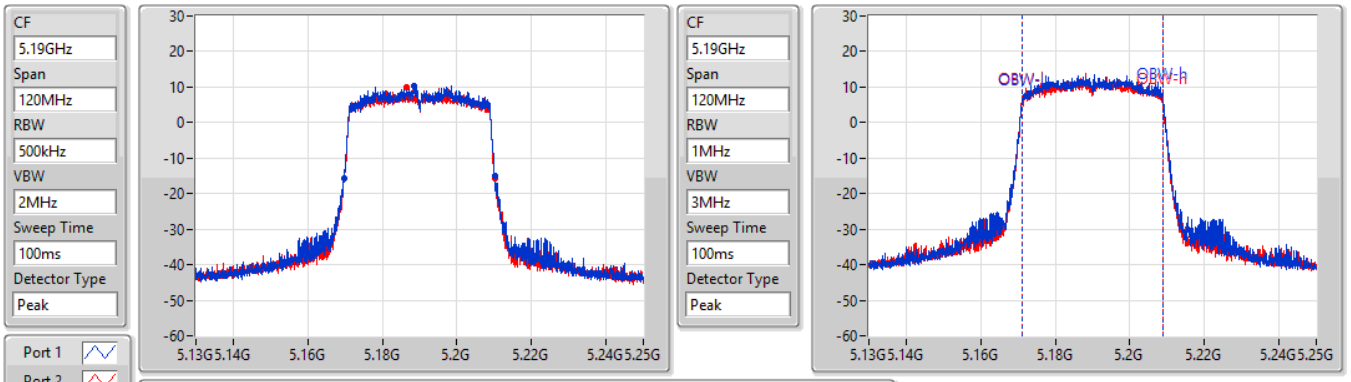



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.92M | 5.81552G | 5.83244G | 18.981M | 5.815405G | 5.834385G | 500k | 1 |
| 18.6M | 5.81564G | 5.83424G | 18.951M | 5.815465G | 5.834415G | 500k | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5190MHz

10/02/2022

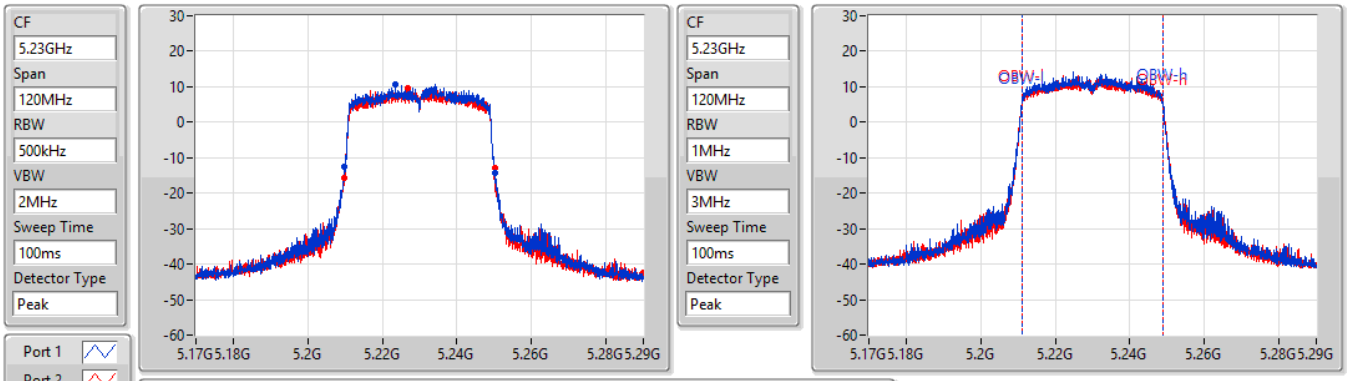



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.5M | 5.16972G | 5.21022G | 37.721M | 5.171109G | 5.208831G | Inf | 1 |
| 40.5M | 5.16978G | 5.21028G | 37.721M | 5.171049G | 5.208771G | Inf | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5230MHz

10/02/2022

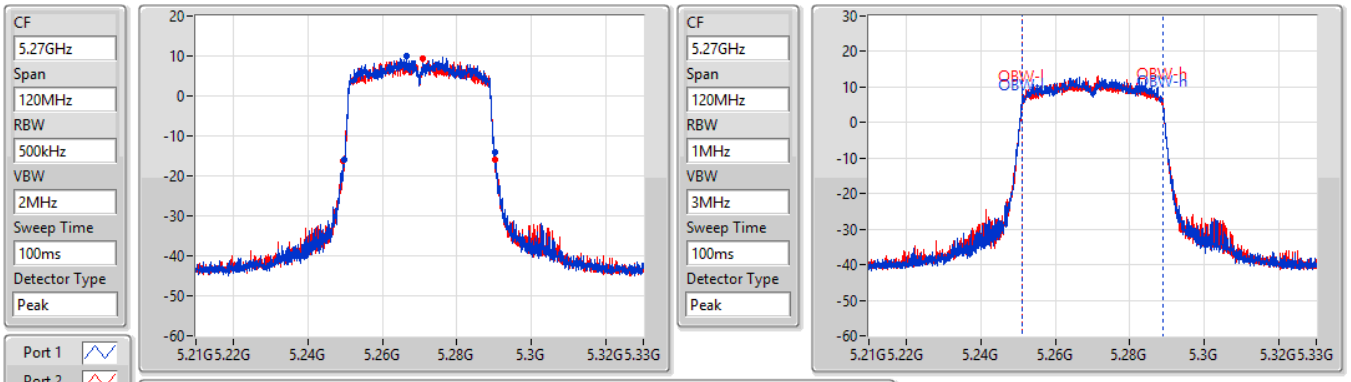



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.5M | 5.20984G | 5.25034G | 37.601M | 5.211169G | 5.248771G | Inf | 1 |
| 40.44M | 5.20972G | 5.25016G | 37.721M | 5.211109G | 5.248831G | Inf | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5270MHz

10/02/2022

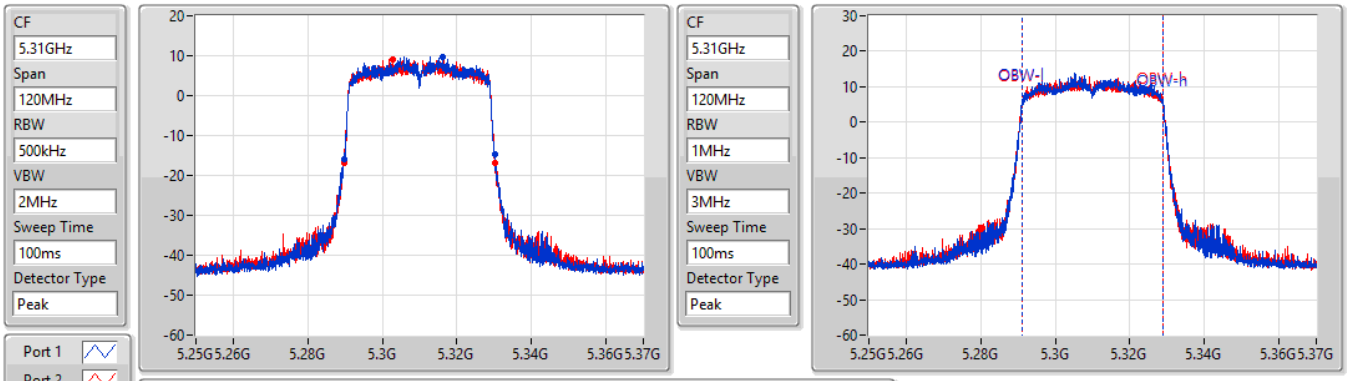



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.26M | 5.2499G | 5.29016G | 37.661M | 5.251109G | 5.288771G | Inf | 1 |
| 40.74M | 5.24936G | 5.2901G | 37.721M | 5.251109G | 5.288831G | Inf | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5310MHz

10/02/2022

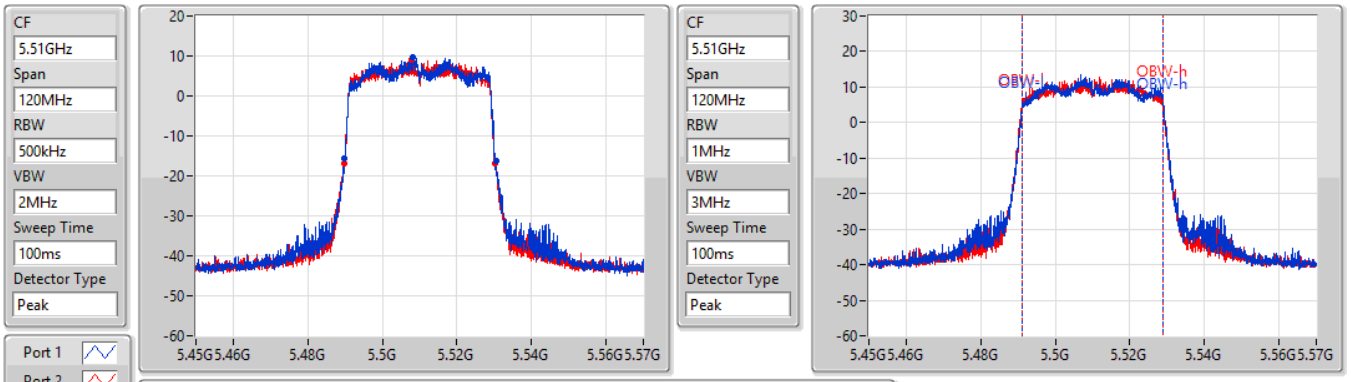



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.56M | 5.28966G | 5.33022G | 37.661M | 5.291169G | 5.328831G | Inf | 1 |
| 40.44M | 5.28966G | 5.3301G | 37.661M | 5.291109G | 5.328771G | Inf | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5510MHz

10/02/2022

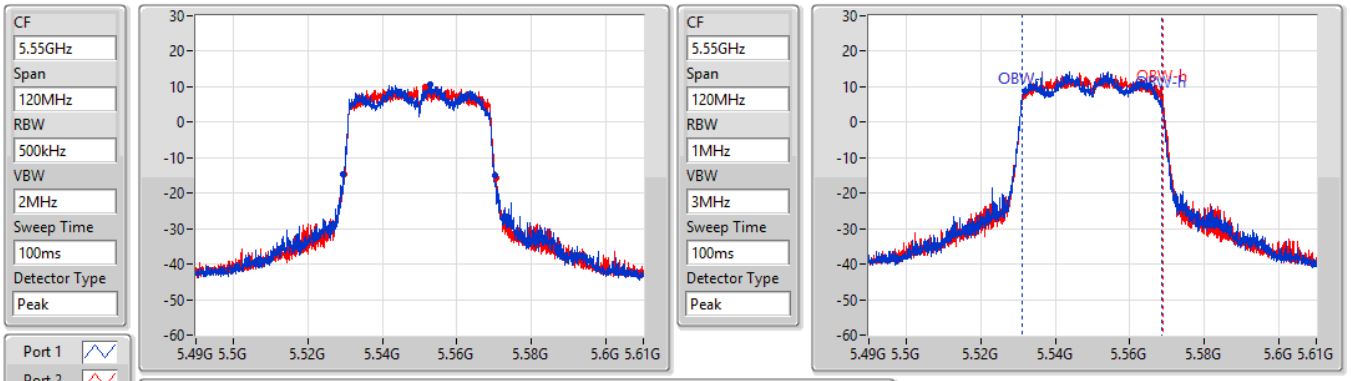



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.62M | 5.48978G | 5.5304G | 37.721M | 5.491229G | 5.528951G | Inf | 1 |
| 40.44M | 5.48972G | 5.53016G | 37.661M | 5.491109G | 5.528771G | Inf | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5550MHz

10/02/2022

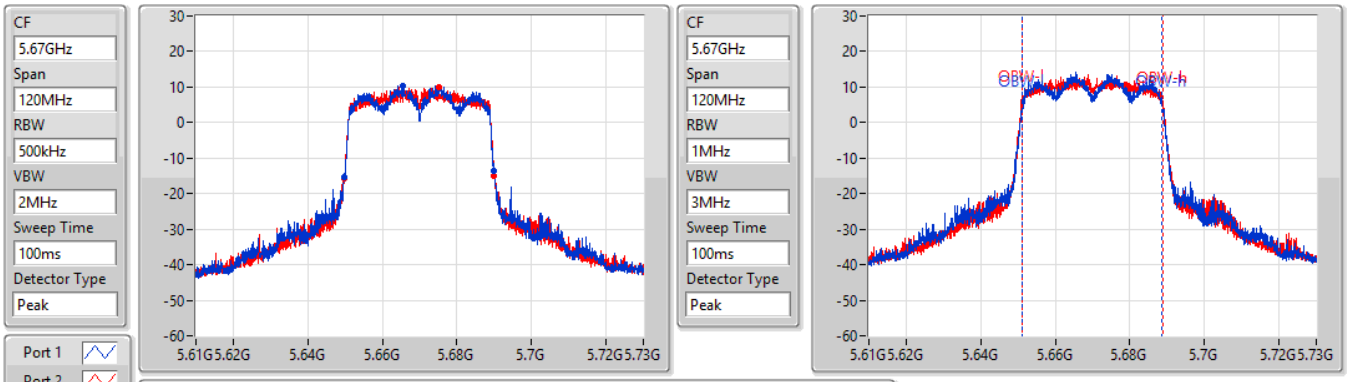



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.62M | 5.5296G | 5.57022G | 37.541M | 5.531049G | 5.568591G | Inf | 1 |
| 41.04M | 5.52966G | 5.5707G | 37.721M | 5.531109G | 5.568831G | Inf | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5670MHz

10/02/2022

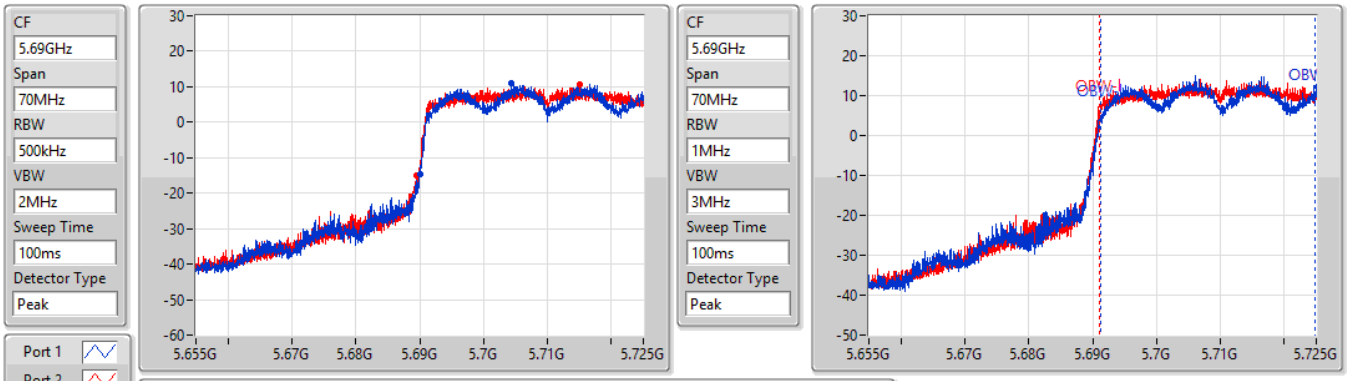



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.2M | 5.64984G | 5.69004G | 37.421M | 5.651229G | 5.688651G | Inf | 1 |
| 40.38M | 5.64966G | 5.69004G | 37.721M | 5.651049G | 5.688771G | Inf | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5710MHz Straddle 5.47-5.725GHz

10/02/2022

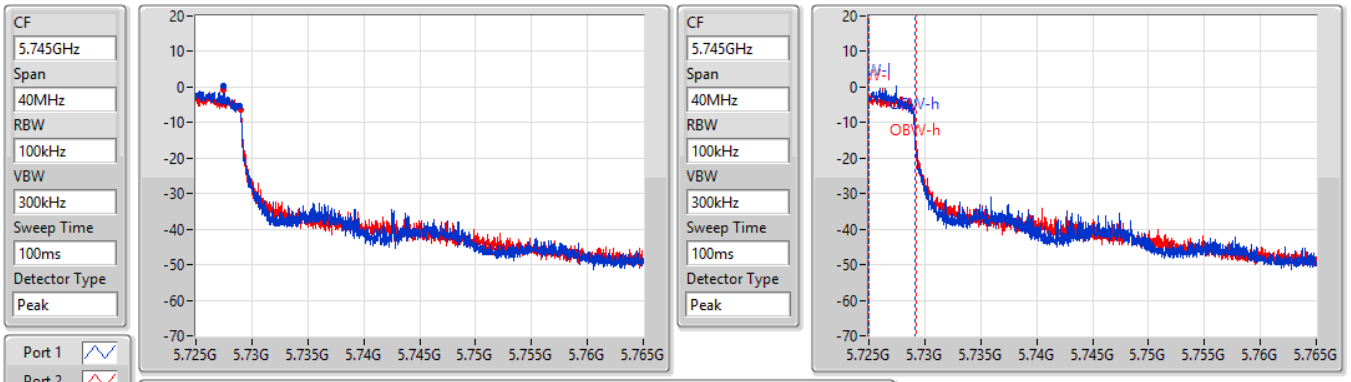



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 35M | 5.69G | 5.725G | 33.583M | 5.691294G | 5.724878G | Inf | 1 |
| 35.49M | 5.68951G | 5.725G | 33.758M | 5.691049G | 5.724808G | Inf | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5710MHz Straddle 5.725-5.85GHz

10/02/2022

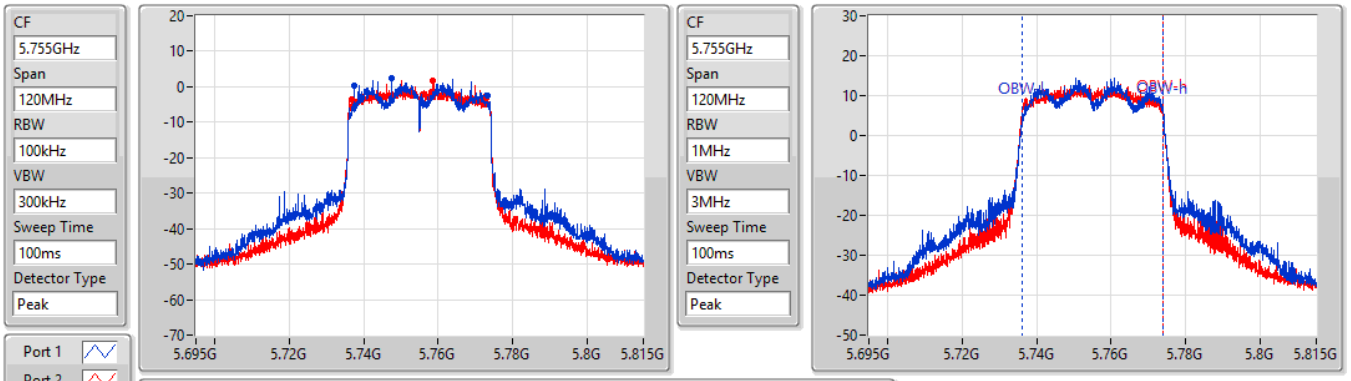



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 3.86M | 5.725G | 5.72886G | 4.118M | 5.72501G | 5.729128G | 500k | 1 |
| 3.96M | 5.725G | 5.72896G | 4.258M | 5.72501G | 5.729268G | 500k | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5755MHz

10/02/2022

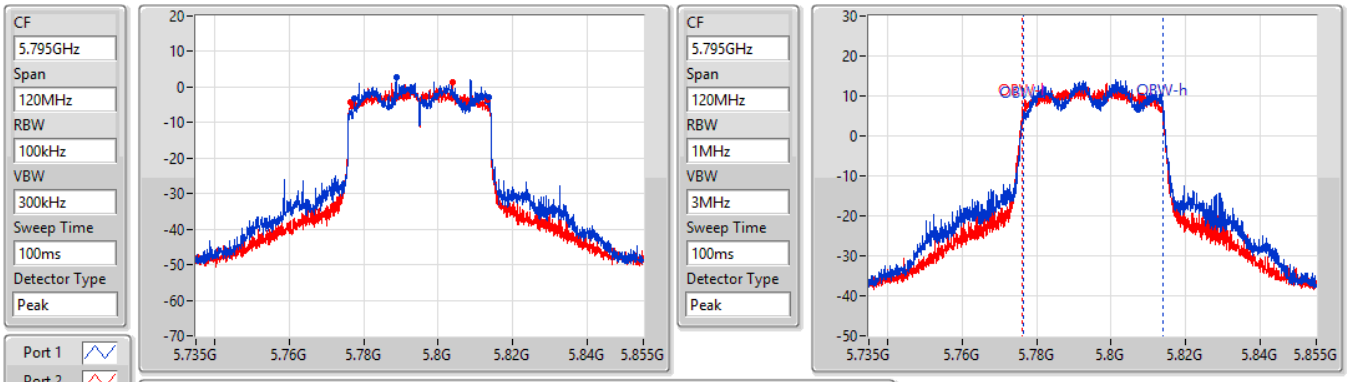



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 35.64M | 5.73742G | 5.77306G | 37.721M | 5.736229G | 5.773951G | 500k | 1 |
| 36.18M | 5.7367G | 5.77288G | 37.781M | 5.736049G | 5.773831G | 500k | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5795MHz

10/02/2022

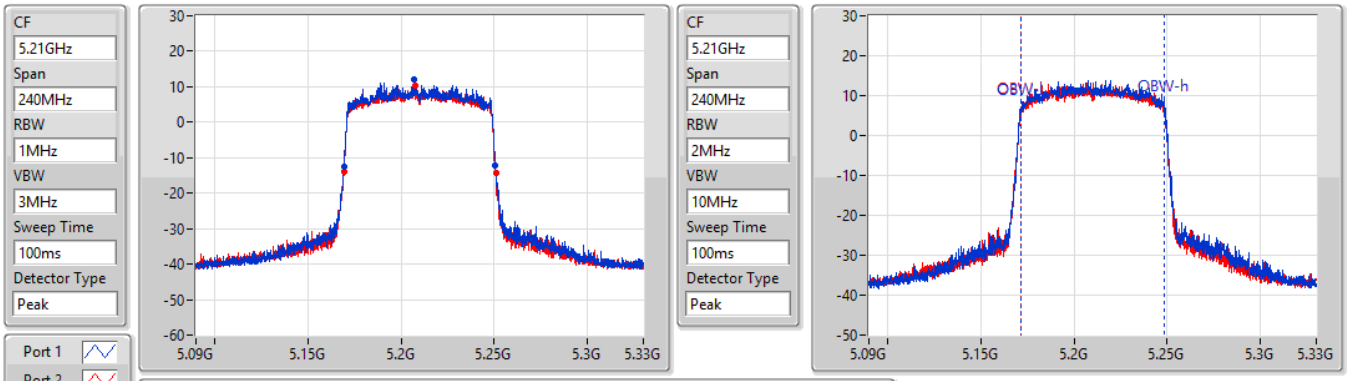



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 36M | 5.77754G | 5.81354G | 37.721M | 5.776289G | 5.81401G | 500k | 1 |
| 36.84M | 5.77652G | 5.81336G | 37.781M | 5.776049G | 5.813831G | 500k | 2 |

## 802.11ax HEW80_Nss1,(MCS0)_2TX EBW

### 5210MHz

10/02/2022

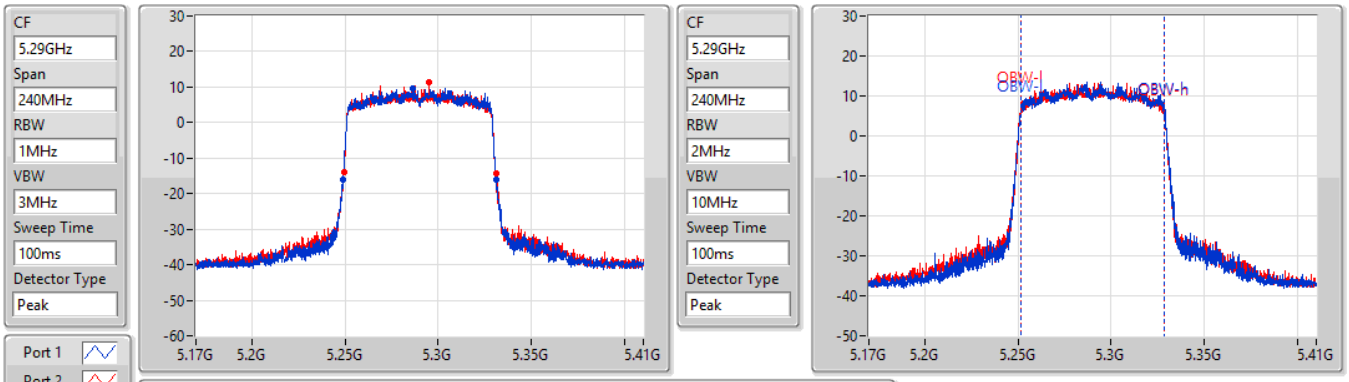



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 81.24M | 5.16932G | 5.25056G | 77.121M | 5.171499G | 5.248621G | Inf | 1 |
| 81.48M | 5.16932G | 5.2508G | 76.882M | 5.171619G | 5.248501G | Inf | 2 |

## 802.11ax HEW80_Nss1,(MCS0)_2TX EBW

### 5290MHz

10/02/2022

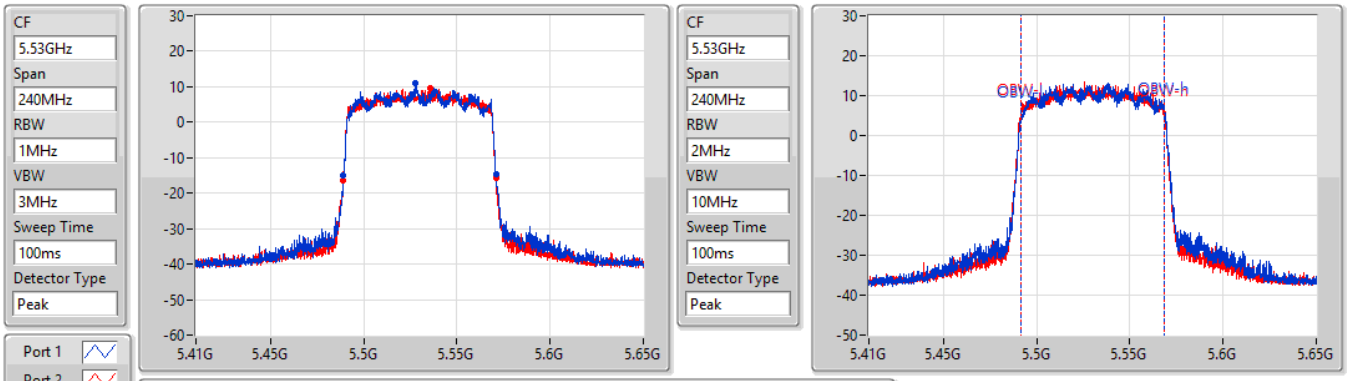



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 82.32M | 5.24884G | 5.33116G | 77.001M | 5.251499G | 5.328501G | Inf | 1 |
| 81.48M | 5.24932G | 5.3308G | 77.001M | 5.251379G | 5.328381G | Inf | 2 |

## 802.11ax HEW80_Nss1,(MCS0)_2TX EBW

### 5530MHz

10/02/2022

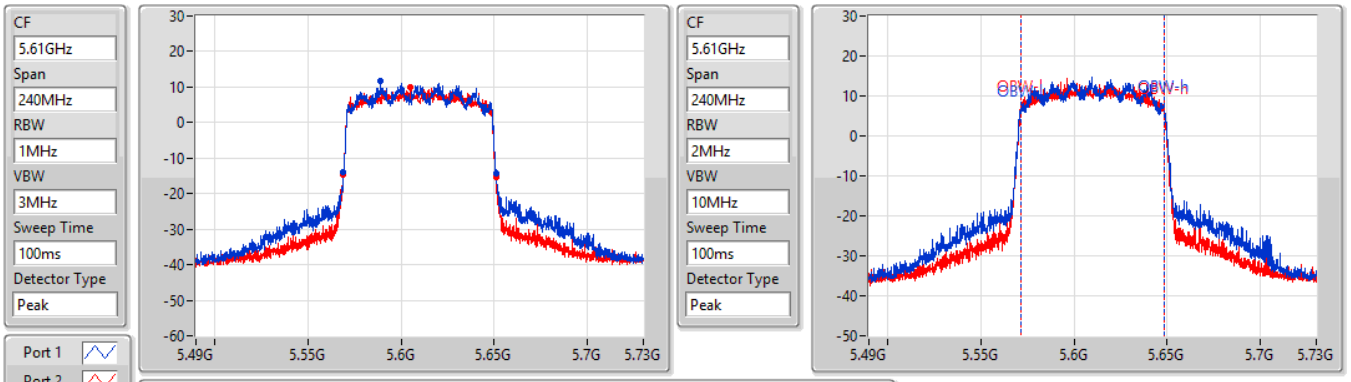



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 81.84M | 5.48908G | 5.57092G | 76.882M | 5.491859G | 5.568741G | Inf | 1 |
| 81.72M | 5.48908G | 5.5708G | 77.001M | 5.491499G | 5.568501G | Inf | 2 |

## 802.11ax HEW80_Nss1,(MCS0)_2TX EBW

### 5610MHz

10/02/2022

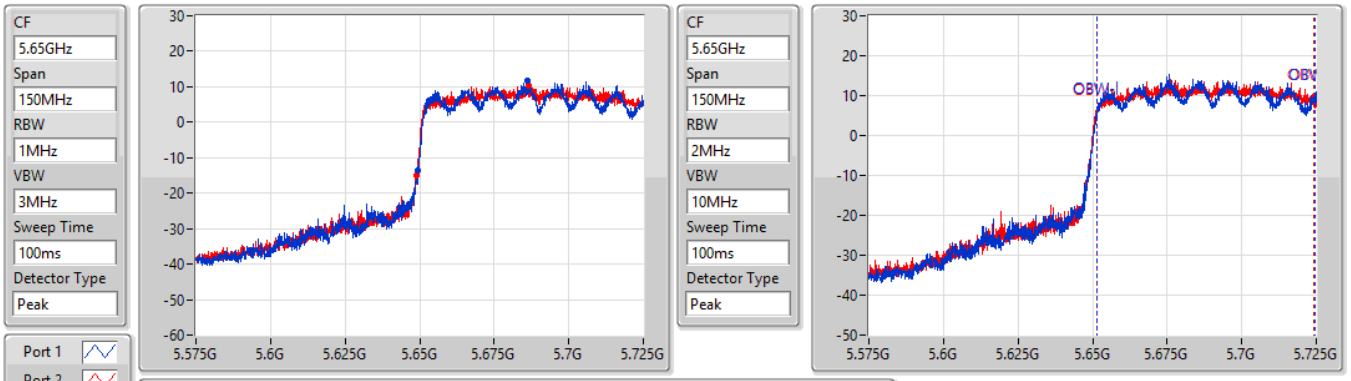



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 82.08M | 5.56896G | 5.65104G | 77.241M | 5.571379G | 5.648621G | Inf | 1 |
| 81.96M | 5.56908G | 5.65104G | 77.001M | 5.571379G | 5.648381G | Inf | 2 |

## 802.11ax HEW80_Nss1,(MCS0)_2TX EBW

### 5690MHz Straddle 5.47-5.725GHz

10/02/2022

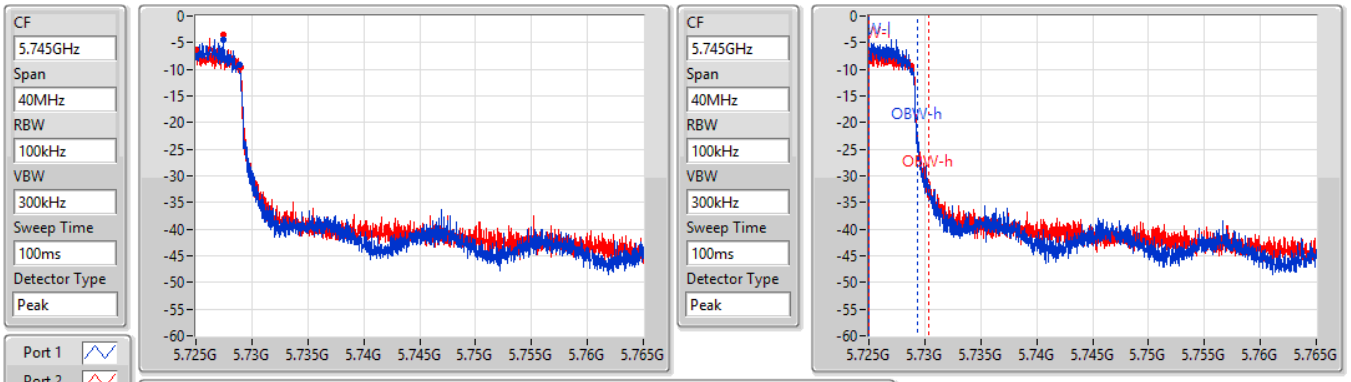



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 75.525M | 5.649475G | 5.725G | 73.013M | 5.651574G | 5.724588G | Inf | 1 |
| 76.05M | 5.64895G | 5.725G | 72.939M | 5.651424G | 5.724363G | Inf | 2 |

## 802.11ax HEW80_Nss1,(MCS0)_2TX EBW

### 5690MHz Straddle 5.725-5.85GHz

10/02/2022

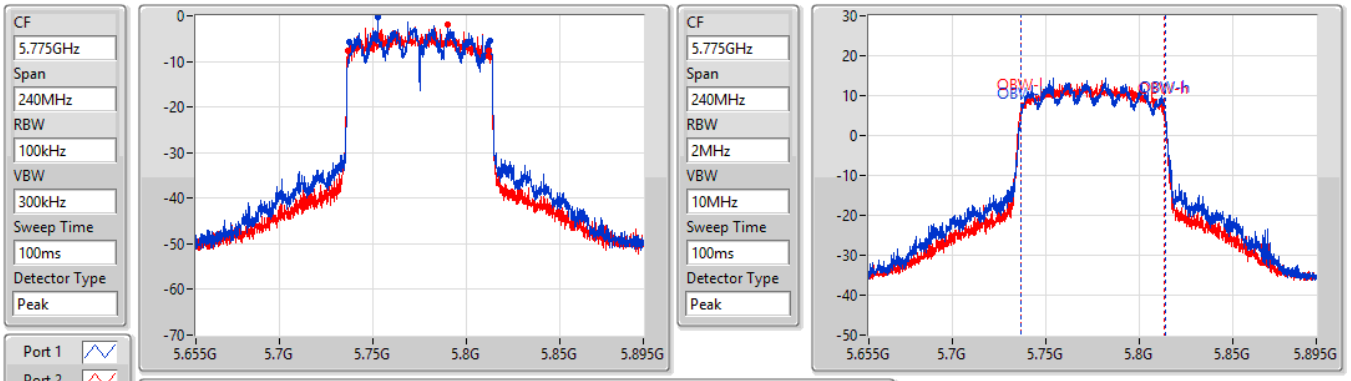



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 3.92M | 5.725G | 5.72892G | 4.358M | 5.72501G | 5.729368G | 500k | 1 |
| 3.96M | 5.725G | 5.72896G | 5.317M | 5.72501G | 5.730327G | 500k | 2 |

## 802.11ax HEW80_Nss1,(MCS0)_2TX EBW

### 5775MHz

10/02/2022




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 75.24M | 5.73732G | 5.81256G | 77.241M | 5.736619G | 5.813861G | 500k | 1 |
| 75.72M | 5.73648G | 5.8122G | 77.001M | 5.736379G | 5.813381G | 500k | 2 |

## Summary

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---|---|---|---|---|---|
| 5.15-5.25GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 19.56M | 16.492M | 16M5D1D | 19.02M | 16.312M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 21.6M | 18.981M | 19M0D1D | 20.97M | 18.861M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 40.74M | 37.781M | 37M8D1D | 40.08M | 37.601M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 81.72M | 77.121M | 77M1D1D | 81.12M | 76.762M |
| 5.25-5.35GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 19.59M | 16.492M | 16M5D1D | 19.08M | 16.312M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 21.36M | 18.981M | 19M0D1D | 20.82M | 18.861M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 40.98M | 37.721M | 37M7D1D | 40.26M | 37.661M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 82.2M | 77.121M | 77M1D1D | 81.48M | 76.762M |
| 5.47-5.725GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 20.01M | 16.612M | 16M6D1D | 14.055M | 13.028M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 21.54M | 18.981M | 19M0D1D | 15.375M | 14.333M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 40.86M | 37.901M | 37M9D1D | 35M | 33.583M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 82.08M | 77.241M | 77M2D1D | 75.75M | 72.864M |
| 5.725-5.85GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 16.35M | 16.732M | 16M7D1D | 2.48M | 3.338M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 19.02M | 19.13M | 19M1D1D | 4.4M | 4.538M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 37.92M | 38.141M | 38M1D1D | 3.36M | 4.118M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 74.16M | 77.721M | 77M7D1D | 3.8M | 4.358M |

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

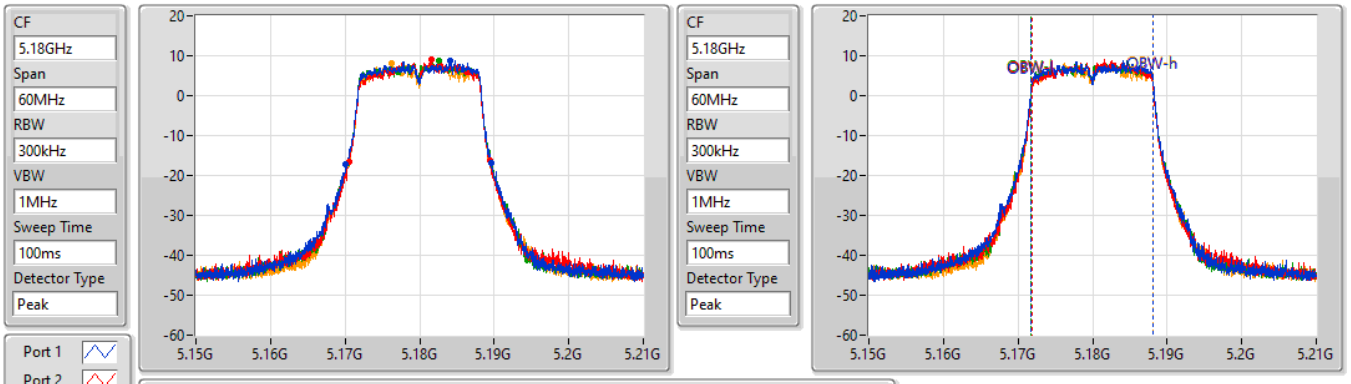
| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz | Pass | Inf | 19.47M | 16.432M | 19.02M | 16.312M | 19.26M | 16.432M | 19.29M | 16.402M |
| 5200MHz | Pass | Inf | 19.47M | 16.432M | 19.02M | 16.342M | 19.32M | 16.402M | 19.32M | 16.402M |
| 5240MHz | Pass | Inf | 19.41M | 16.342M | 19.56M | 16.492M | 19.47M | 16.432M | 19.35M | 16.402M |
| 5260MHz | Pass | Inf | 19.59M | 16.492M | 19.08M | 16.342M | 19.53M | 16.462M | 19.35M | 16.402M |
| 5300MHz | Pass | Inf | 19.14M | 16.312M | 19.11M | 16.462M | 19.26M | 16.372M | 19.38M | 16.402M |
| 5320MHz | Pass | Inf | 19.56M | 16.492M | 19.17M | 16.342M | 19.35M | 16.462M | 19.11M | 16.402M |
| 5500MHz | Pass | Inf | 19.56M | 16.432M | 20.01M | 16.612M | 19.32M | 16.432M | 19.11M | 16.402M |
| 5580MHz | Pass | Inf | 18.87M | 16.192M | 19.47M | 16.582M | 19.68M | 16.432M | 18.96M | 16.342M |
| 5700MHz | Pass | Inf | 18.78M | 16.102M | 19.26M | 16.522M | 19.32M | 16.432M | 19.32M | 16.432M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 14.055M | 13.028M | 14.625M | 13.163M | 14.655M | 13.238M | 14.625M | 13.298M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.1M | 3.438M | 3.12M | 3.558M | 3.12M | 3.458M | 2.48M | 3.338M |
| 5745MHz | Pass | 500k | 13.83M | 16.192M | 16.32M | 16.582M | 16.29M | 16.462M | 15.93M | 16.492M |
| 5785MHz | Pass | 500k | 15.39M | 16.312M | 16.32M | 16.702M | 16.29M | 16.492M | 15.27M | 16.312M |
| 5825MHz | Pass | 500k | 15.66M | 16.492M | 16.35M | 16.732M | 16.32M | 16.552M | 13.77M | 16.432M |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz | Pass | Inf | 21.24M | 18.921M | 20.97M | 18.861M | 21.27M | 18.861M | 21.18M | 18.891M |
| 5200MHz | Pass | Inf | 21.45M | 18.951M | 21.18M | 18.951M | 21.45M | 18.891M | 21.21M | 18.861M |
| 5240MHz | Pass | Inf | 21.54M | 18.981M | 21.09M | 18.951M | 21.51M | 18.921M | 21.6M | 18.951M |
| 5260MHz | Pass | Inf | 21.09M | 18.981M | 21.09M | 18.951M | 21.21M | 18.861M | 21.21M | 18.921M |
| 5300MHz | Pass | Inf | 21.36M | 18.951M | 20.94M | 18.891M | 21.33M | 18.951M | 21.18M | 18.921M |
| 5320MHz | Pass | Inf | 20.97M | 18.891M | 20.82M | 18.891M | 21.03M | 18.921M | 21.09M | 18.921M |
| 5500MHz | Pass | Inf | 20.97M | 18.861M | 20.25M | 18.591M | 21.54M | 18.921M | 21.39M | 18.981M |
| 5580MHz | Pass | Inf | 21.03M | 18.801M | 20.49M | 18.741M | 21.33M | 18.951M | 21.45M | 18.951M |
| 5700MHz | Pass | Inf | 20.58M | 18.651M | 20.64M | 18.831M | 21.33M | 18.891M | 20.85M | 18.891M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 15.765M | 14.543M | 15.75M | 14.513M | 15.465M | 14.453M | 15.375M | 14.333M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.52M | 4.738M | 4.44M | 4.638M | 4.4M | 4.598M | 4.4M | 4.538M |
| 5745MHz | Pass | 500k | 18.57M | 19.07M | 19.02M | 19.04M | 18.39M | 18.891M | 15.51M | 18.801M |
| 5785MHz | Pass | 500k | 18.66M | 19.07M | 18.87M | 19.1M | 18.81M | 18.921M | 17.85M | 19.1M |
| 5825MHz | Pass | 500k | 15.57M | 18.921M | 12.33M | 18.681M | 18.39M | 18.891M | 18.87M | 19.13M |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5190MHz | Pass | Inf | 40.08M | 37.781M | 40.62M | 37.781M | 40.38M | 37.601M | 40.5M | 37.601M |
| 5230MHz | Pass | Inf | 40.62M | 37.721M | 40.2M | 37.781M | 40.5M | 37.721M | 40.74M | 37.721M |
| 5270MHz | Pass | Inf | 40.98M | 37.661M | 40.26M | 37.721M | 40.8M | 37.721M | 40.26M | 37.721M |
| 5310MHz | Pass | Inf | 40.56M | 37.721M | 40.38M | 37.661M | 40.62M | 37.661M | 40.38M | 37.721M |
| 5510MHz | Pass | Inf | 40.5M | 37.781M | 40.08M | 37.181M | 40.68M | 37.661M | 40.62M | 37.841M |
| 5550MHz | Pass | Inf | 40.62M | 37.541M | 40.14M | 37.121M | 40.74M | 37.661M | 39.96M | 37.601M |
| 5670MHz | Pass | Inf | 39.78M | 37.481M | 40.74M | 37.721M | 40.86M | 37.901M | 40.32M | 37.601M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 35M | 33.583M | 35.35M | 33.758M | 35.385M | 33.723M | 35.21M | 33.898M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.94M | 4.118M | 4.06M | 4.558M | 4M | 4.218M | 3.36M | 4.178M |
| 5755MHz | Pass | 500k | 32.46M | 37.541M | 37.92M | 38.021M | 37.5M | 37.841M | 35.46M | 37.781M |
| 5795MHz | Pass | 500k | 34.02M | 37.841M | 36.54M | 38.141M | 37.32M | 37.901M | 33.6M | 37.841M |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5210MHz | Pass | Inf | 81.6M | 76.882M | 81.72M | 77.121M | 81.72M | 77.001M | 81.12M | 76.762M |
| 5290MHz | Pass | Inf | 81.48M | 77.001M | 81.48M | 77.001M | 82.2M | 77.121M | 81.48M | 76.762M |
| 5530MHz | Pass | Inf | 82.08M | 77.001M | 80.64M | 75.802M | 81.72M | 77.001M | 81.72M | 77.001M |
| 5610MHz | Pass | Inf | 81.6M | 77.241M | 80.88M | 76.522M | 81.96M | 77.001M | 82.08M | 77.241M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 75.75M | 73.013M | 76.2M | 72.864M | 76.2M | 73.013M | 75.825M | 73.388M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.92M | 4.358M | 4.08M | 9.575M | 4.08M | 5.597M | 3.8M | 6.657M |
| 5775MHz | Pass | 500k | 73.32M | 77.121M | 74.16M | 77.721M | 70.32M | 77.241M | 67.32M | 76.882M |

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

### 5180MHz

22/01/2022

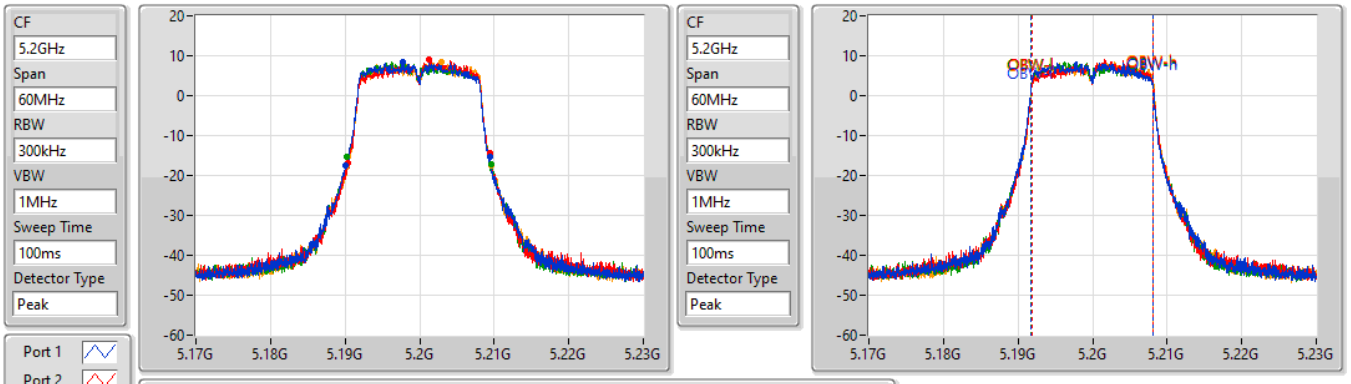



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.47M | 5.17013G | 5.1896G | 16.432M | 5.171754G | 5.188186G | Inf | 1 |
| 19.02M | 5.17049G | 5.18951G | 16.312M | 5.171844G | 5.188156G | Inf | 2 |
| 19.26M | 5.17034G | 5.1896G | 16.432M | 5.171754G | 5.188186G | Inf | 3 |
| 19.29M | 5.17028G | 5.18957G | 16.402M | 5.171784G | 5.188186G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5200MHz

22/01/2022

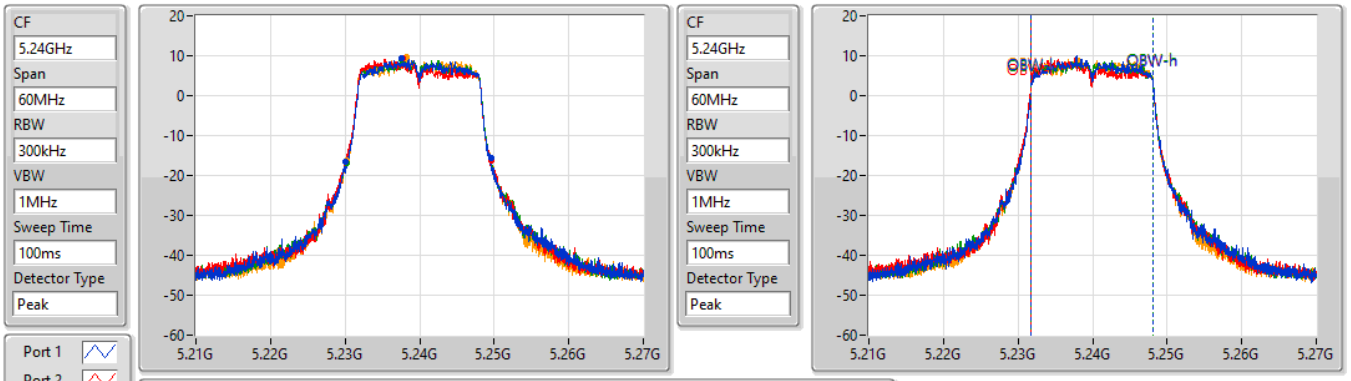



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.47M | 5.19004G | 5.20951G | 16.432M | 5.191694G | 5.208126G | Inf | 1 |
| 19.02M | 5.1904G | 5.20942G | 16.342M | 5.191814G | 5.208156G | Inf | 2 |
| 19.32M | 5.19022G | 5.20954G | 16.402M | 5.191754G | 5.208156G | Inf | 3 |
| 19.32M | 5.19025G | 5.20957G | 16.402M | 5.191784G | 5.208186G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5240MHz

22/01/2022

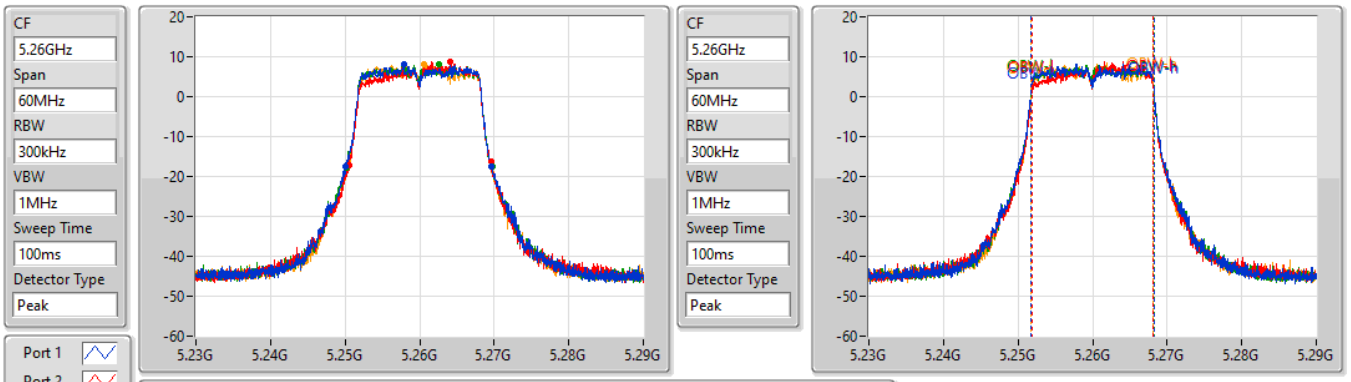



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.41M | 5.23013G | 5.24954G | 16.342M | 5.231784G | 5.248126G | Inf | 1 |
| 19.56M | 5.23001G | 5.24957G | 16.492M | 5.231664G | 5.248156G | Inf | 2 |
| 19.47M | 5.23022G | 5.24969G | 16.432M | 5.231724G | 5.248156G | Inf | 3 |
| 19.35M | 5.23019G | 5.24954G | 16.402M | 5.231724G | 5.248126G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5260MHz

22/01/2022

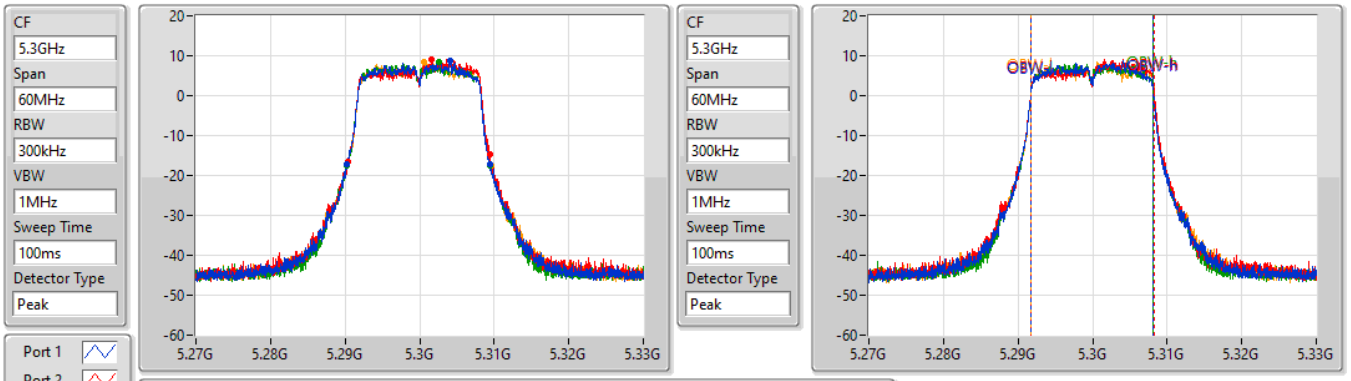



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.59M | 5.25007G | 5.26966G | 16.492M | 5.251724G | 5.268216G | Inf | 1 |
| 19.08M | 5.25052G | 5.2696G | 16.342M | 5.251844G | 5.268186G | Inf | 2 |
| 19.53M | 5.25019G | 5.26972G | 16.462M | 5.251754G | 5.268216G | Inf | 3 |
| 19.35M | 5.25025G | 5.2696G | 16.402M | 5.251784G | 5.268186G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5300MHz

22/01/2022

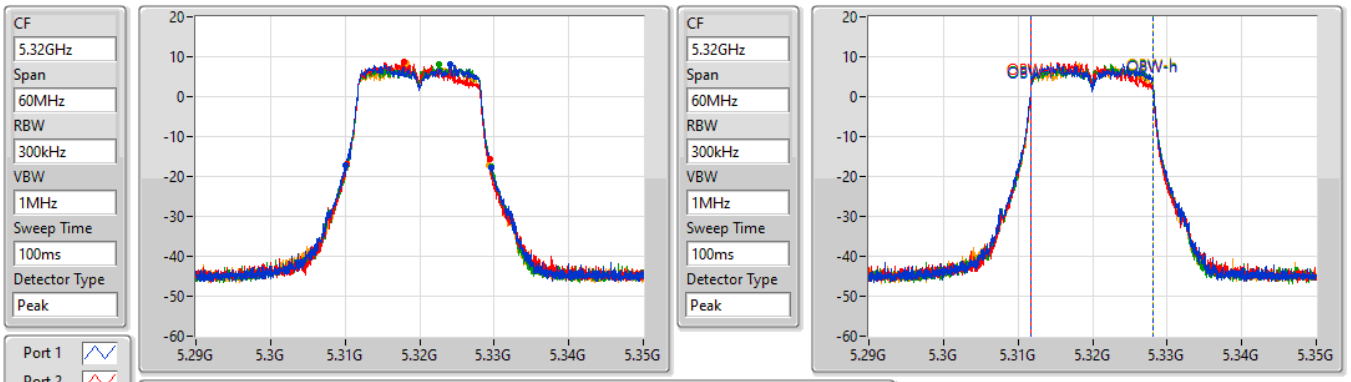



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.14M | 5.29022G | 5.30936G | 16.312M | 5.291784G | 5.308096G | Inf | 1 |
| 19.11M | 5.29037G | 5.30948G | 16.462M | 5.291754G | 5.308216G | Inf | 2 |
| 19.26M | 5.29025G | 5.30951G | 16.372M | 5.291754G | 5.308126G | Inf | 3 |
| 19.38M | 5.29022G | 5.3096G | 16.402M | 5.291784G | 5.308186G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5320MHz

22/01/2022

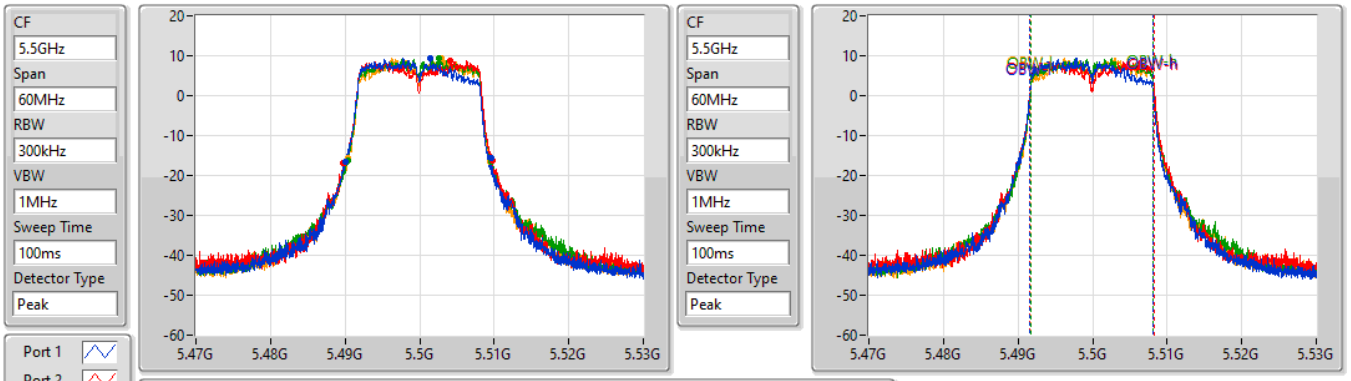



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.56M | 5.31007G | 5.32963G | 16.492M | 5.311664G | 5.328156G | Inf | 1 |
| 19.17M | 5.31022G | 5.32939G | 16.342M | 5.311724G | 5.328066G | Inf | 2 |
| 19.35M | 5.31025G | 5.3296G | 16.462M | 5.311724G | 5.328186G | Inf | 3 |
| 19.11M | 5.31022G | 5.32933G | 16.402M | 5.311724G | 5.328126G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5500MHz

22/01/2022

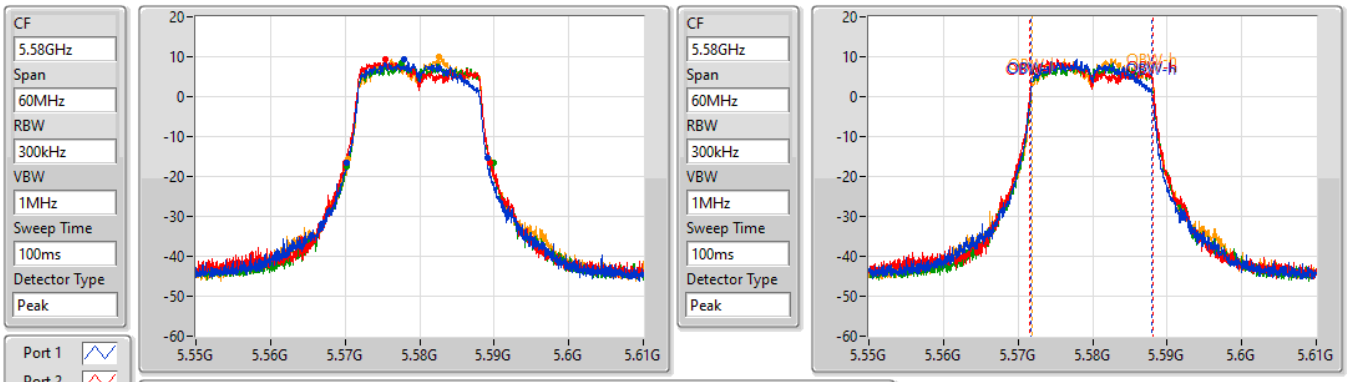



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.56M | 5.48998G | 5.50954G | 16.432M | 5.491634G | 5.508066G | Inf | 1 |
| 20.01M | 5.4898G | 5.50981G | 16.612M | 5.491634G | 5.508246G | Inf | 2 |
| 19.32M | 5.49031G | 5.50963G | 16.432M | 5.491754G | 5.508186G | Inf | 3 |
| 19.11M | 5.49034G | 5.50945G | 16.402M | 5.491784G | 5.508186G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5580MHz

22/01/2022

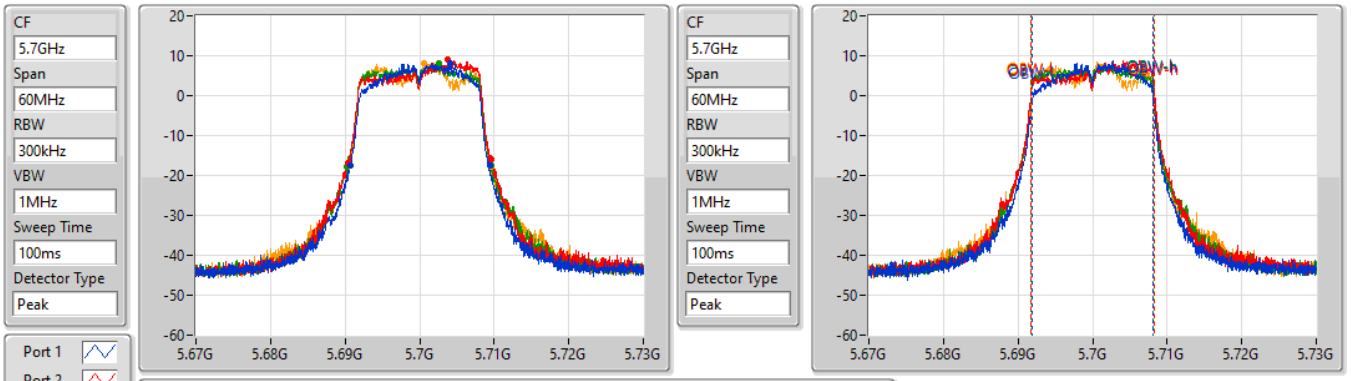



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.87M | 5.57025G | 5.58912G | 16.192M | 5.571754G | 5.587946G | Inf | 1 |
| 19.47M | 5.56998G | 5.58945G | 16.582M | 5.571604G | 5.588186G | Inf | 2 |
| 19.68M | 5.57022G | 5.5899G | 16.432M | 5.571754G | 5.588186G | Inf | 3 |
| 18.96M | 5.57037G | 5.58933G | 16.342M | 5.571814G | 5.588156G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5700MHz

22/01/2022

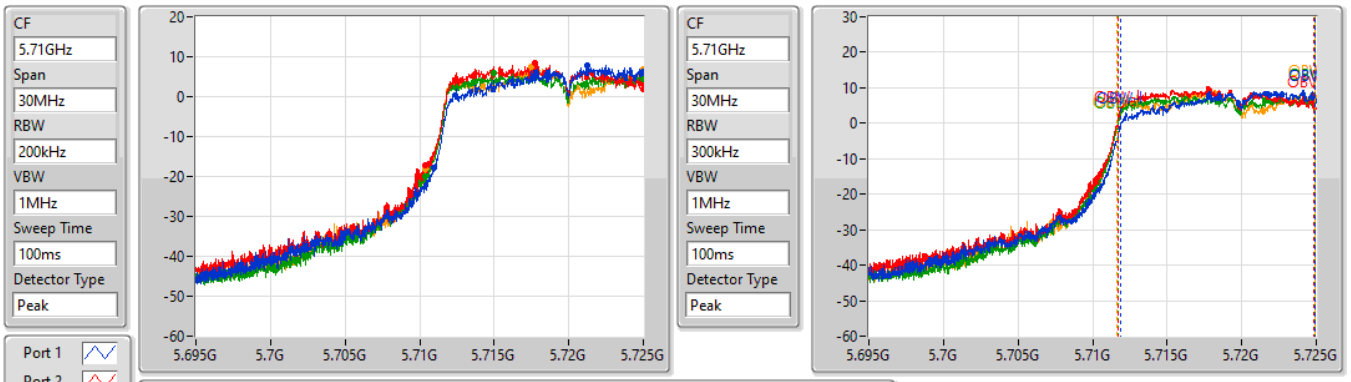



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.78M | 5.69067G | 5.70945G | 16.102M | 5.691964G | 5.708066G | Inf | 1 |
| 19.26M | 5.69043G | 5.70969G | 16.522M | 5.691754G | 5.708276G | Inf | 2 |
| 19.32M | 5.69022G | 5.70954G | 16.432M | 5.691724G | 5.708156G | Inf | 3 |
| 19.32M | 5.69031G | 5.70963G | 16.432M | 5.691784G | 5.708216G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5720MHz Straddle 5.47-5.725GHz

22/01/2022

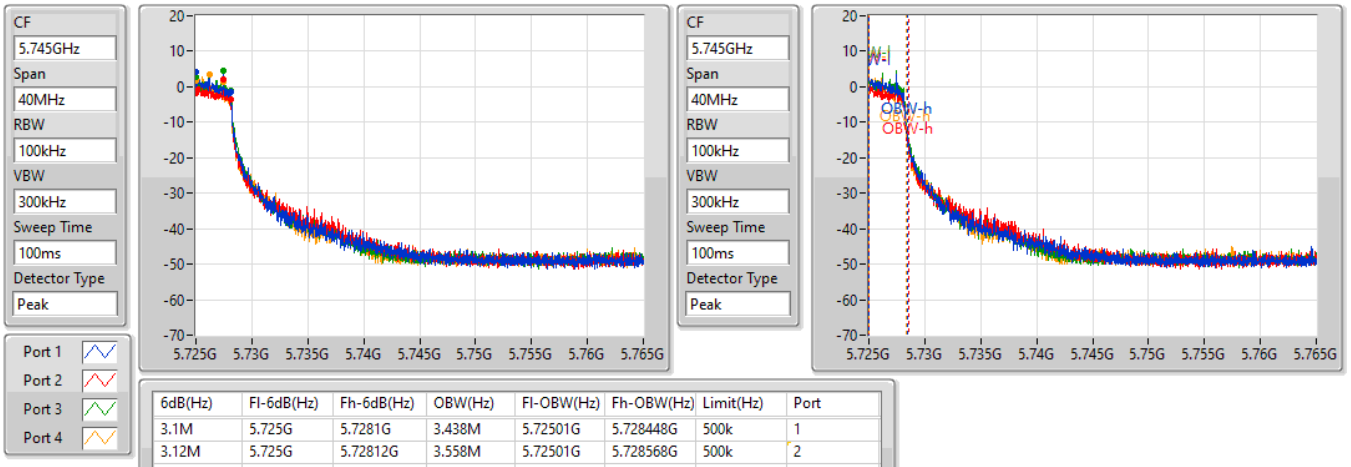



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 14.055M | 5.710945G | 5.725G | 13.028M | 5.711904G | 5.724933G | Inf | 1 |
| 14.625M | 5.710375G | 5.725G | 13.163M | 5.711709G | 5.724873G | Inf | 2 |
| 14.655M | 5.710345G | 5.725G | 13.238M | 5.711709G | 5.724948G | Inf | 3 |
| 14.625M | 5.710375G | 5.725G | 13.298M | 5.711649G | 5.724948G | Inf | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5720MHz Straddle 5.725-5.85GHz

22/01/2022

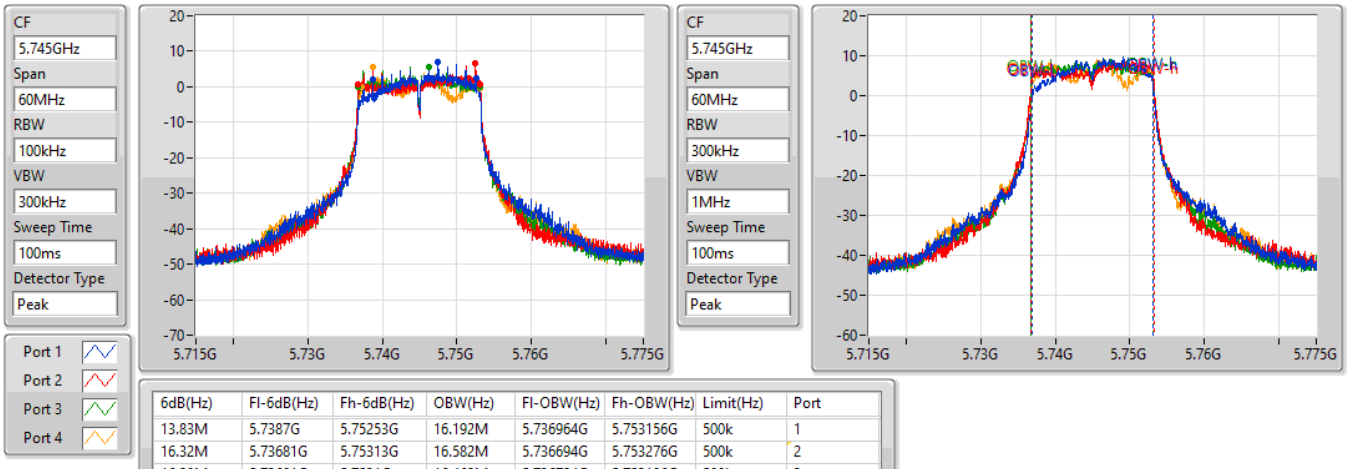



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 3.1M | 5.725G | 5.7281G | 3.438M | 5.72501G | 5.728448G | 500k | 1 |
| 3.12M | 5.725G | 5.72812G | 3.558M | 5.72501G | 5.728568G | 500k | 2 |
| 3.12M | 5.725G | 5.72812G | 3.458M | 5.72501G | 5.728468G | 500k | 3 |
| 2.48M | 5.725G | 5.72748G | 3.338M | 5.72501G | 5.728348G | 500k | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5745MHz

22/01/2022

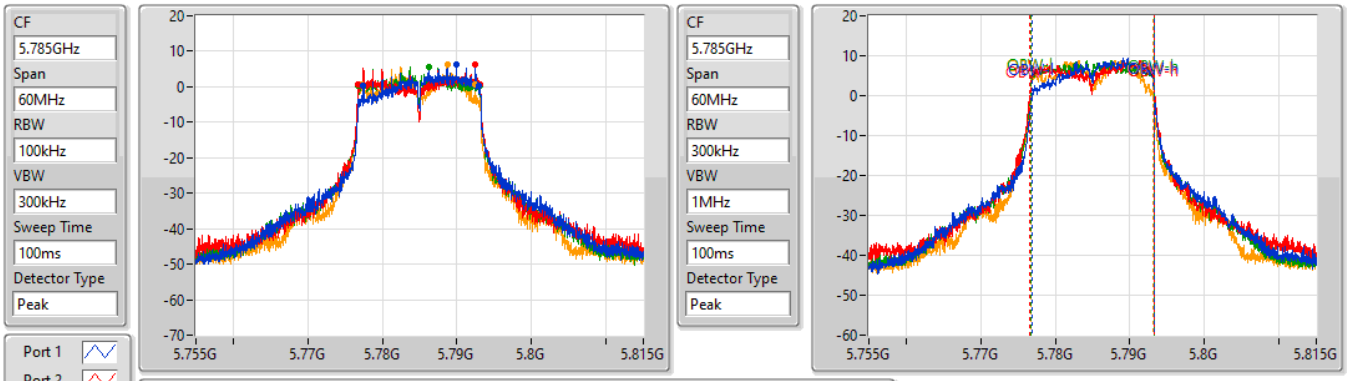



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 13.83M | 5.7387G | 5.75253G | 16.192M | 5.736964G | 5.753156G | 500k | 1 |
| 16.32M | 5.73681G | 5.75313G | 16.582M | 5.736694G | 5.753276G | 500k | 2 |
| 16.29M | 5.73681G | 5.7531G | 16.462M | 5.736724G | 5.753186G | 500k | 3 |
| 15.93M | 5.7372G | 5.75313G | 16.492M | 5.736754G | 5.753246G | 500k | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5785MHz

22/01/2022

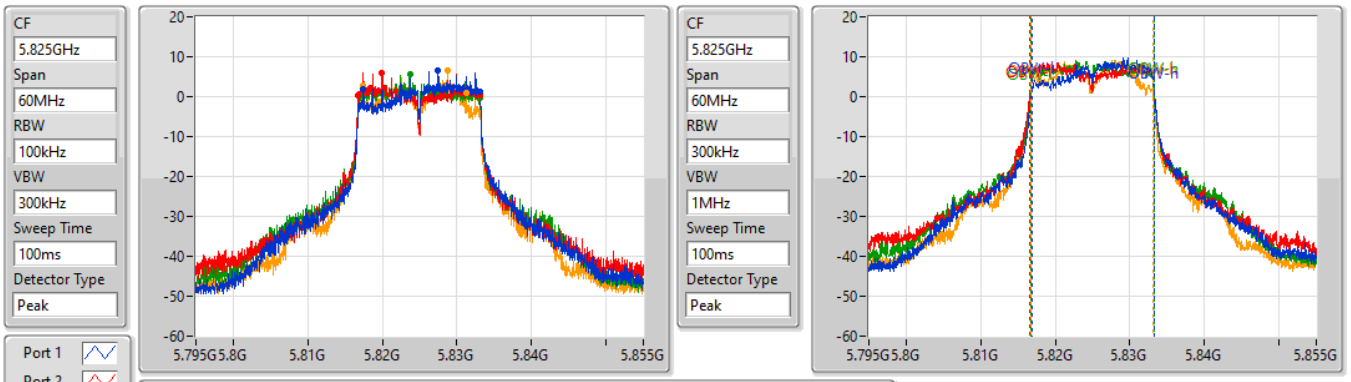



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.39M | 5.77747G | 5.79286G | 16.312M | 5.776904G | 5.793216G | 500k | 1 |
| 16.32M | 5.77681G | 5.79313G | 16.702M | 5.776604G | 5.793306G | 500k | 2 |
| 16.29M | 5.77681G | 5.7931G | 16.492M | 5.776724G | 5.793216G | 500k | 3 |
| 15.27M | 5.7772G | 5.79247G | 16.312M | 5.776724G | 5.793036G | 500k | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5825MHz

22/01/2022

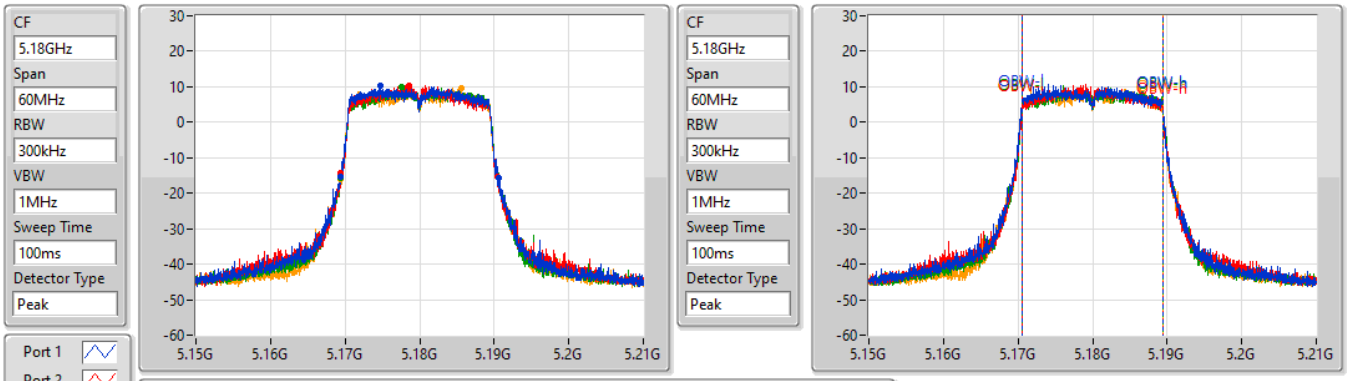



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.66M | 5.81744G | 5.8331G | 16.492M | 5.816814G | 5.833306G | 500k | 1 |
| 16.35M | 5.81678G | 5.83313G | 16.732M | 5.816544G | 5.833276G | 500k | 2 |
| 16.32M | 5.81681G | 5.83313G | 16.552M | 5.816664G | 5.833216G | 500k | 3 |
| 13.77M | 5.81744G | 5.83121G | 16.432M | 5.816694G | 5.833126G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5180MHz

22/01/2022

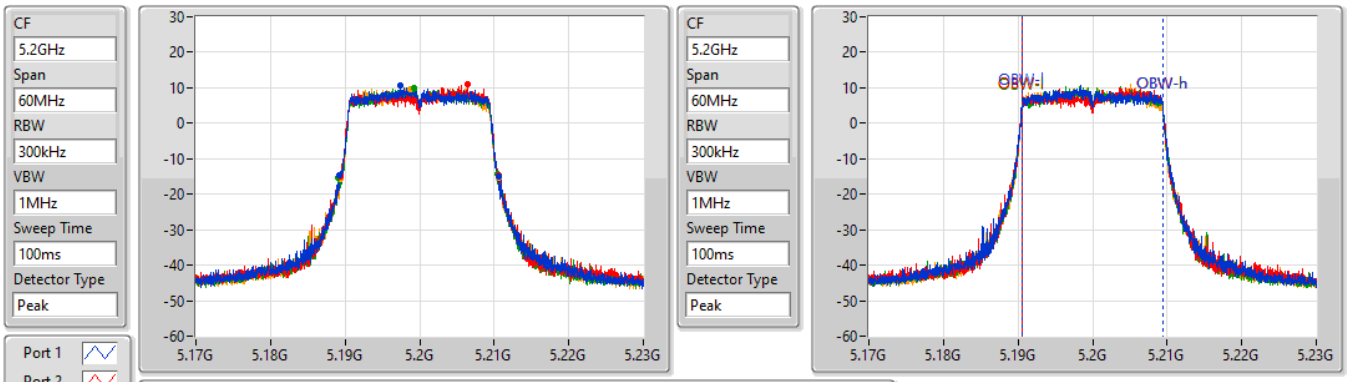



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.24M | 5.16938G | 5.19062G | 18.921M | 5.170495G | 5.189415G | Inf | 1 |
| 20.97M | 5.16947G | 5.19044G | 18.861M | 5.170525G | 5.189385G | Inf | 2 |
| 21.27M | 5.16941G | 5.19068G | 18.861M | 5.170555G | 5.189415G | Inf | 3 |
| 21.18M | 5.16938G | 5.19056G | 18.891M | 5.170525G | 5.189415G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5200MHz

22/01/2022

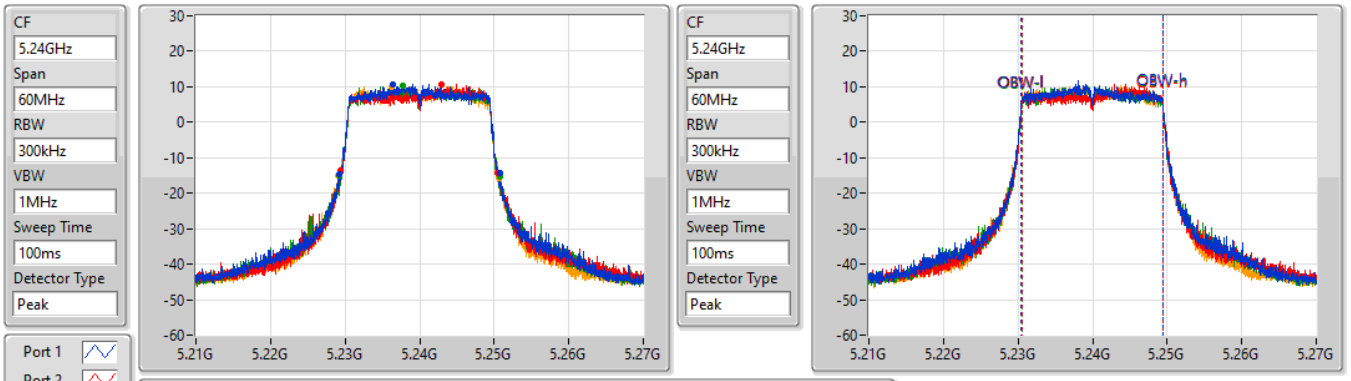



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.45M | 5.18914G | 5.21059G | 18.951M | 5.190495G | 5.209445G | Inf | 1 |
| 21.18M | 5.18941G | 5.21059G | 18.951M | 5.190495G | 5.209445G | Inf | 2 |
| 21.45M | 5.18905G | 5.2105G | 18.891M | 5.190525G | 5.209415G | Inf | 3 |
| 21.21M | 5.18944G | 5.21065G | 18.861M | 5.190525G | 5.209385G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5240MHz

22/01/2022

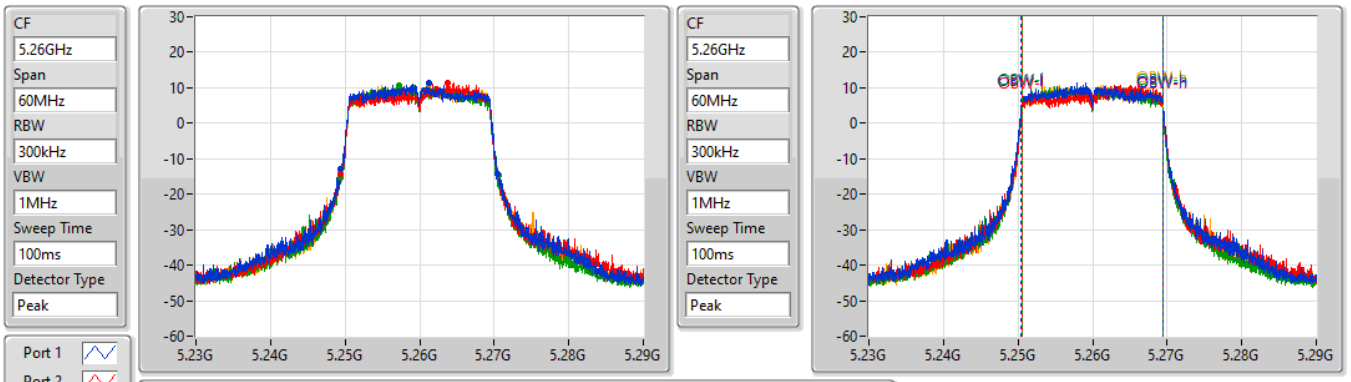



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.54M | 5.22917G | 5.25071G | 18.981M | 5.230465G | 5.249445G | Inf | 1 |
| 21.09M | 5.22941G | 5.2505G | 18.951M | 5.230495G | 5.249445G | Inf | 2 |
| 21.51M | 5.2292G | 5.25071G | 18.921M | 5.230495G | 5.249415G | Inf | 3 |
| 21.6M | 5.22908G | 5.25068G | 18.951M | 5.230465G | 5.249415G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5260MHz

22/01/2022

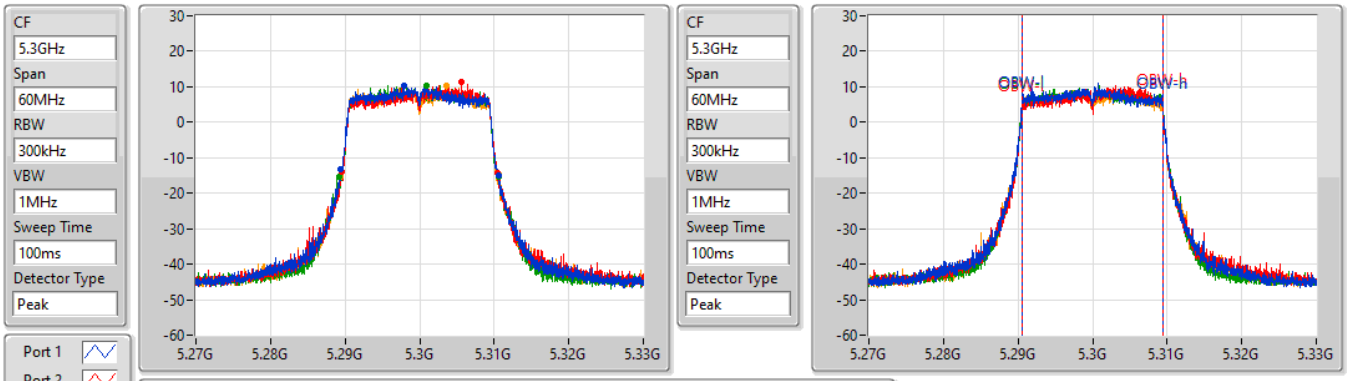



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.09M | 5.24941G | 5.2705G | 18.981M | 5.250465G | 5.269445G | Inf | 1 |
| 21.09M | 5.24935G | 5.27044G | 18.951M | 5.250495G | 5.269445G | Inf | 2 |
| 21.21M | 5.24944G | 5.27065G | 18.861M | 5.250525G | 5.269385G | Inf | 3 |
| 21.21M | 5.24935G | 5.27056G | 18.921M | 5.250525G | 5.269445G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5300MHz

22/01/2022

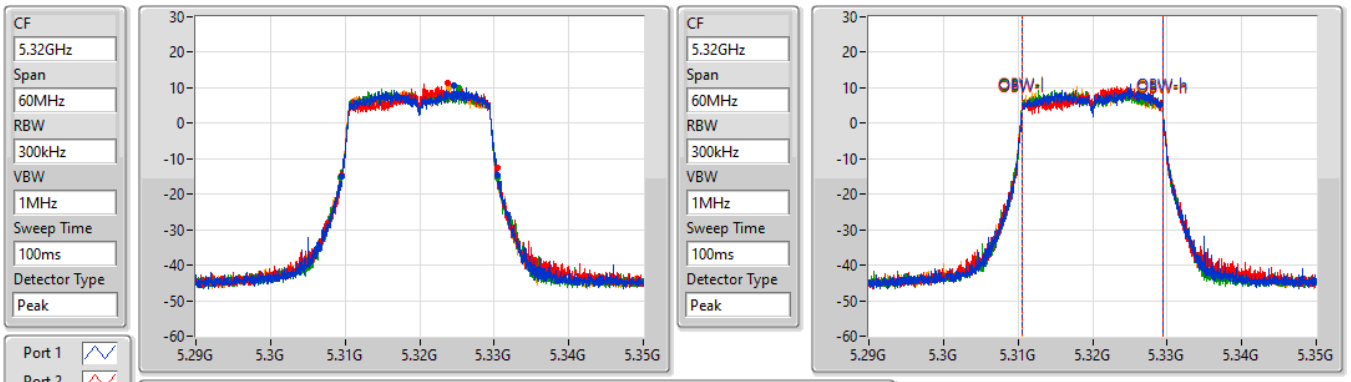



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.36M | 5.28932G | 5.31068G | 18.951M | 5.290495G | 5.309445G | Inf | 1 |
| 20.94M | 5.2895G | 5.31044G | 18.891M | 5.290525G | 5.309415G | Inf | 2 |
| 21.33M | 5.28923G | 5.31056G | 18.951M | 5.290495G | 5.309445G | Inf | 3 |
| 21.18M | 5.28935G | 5.31053G | 18.921M | 5.290495G | 5.309415G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5320MHz

22/01/2022

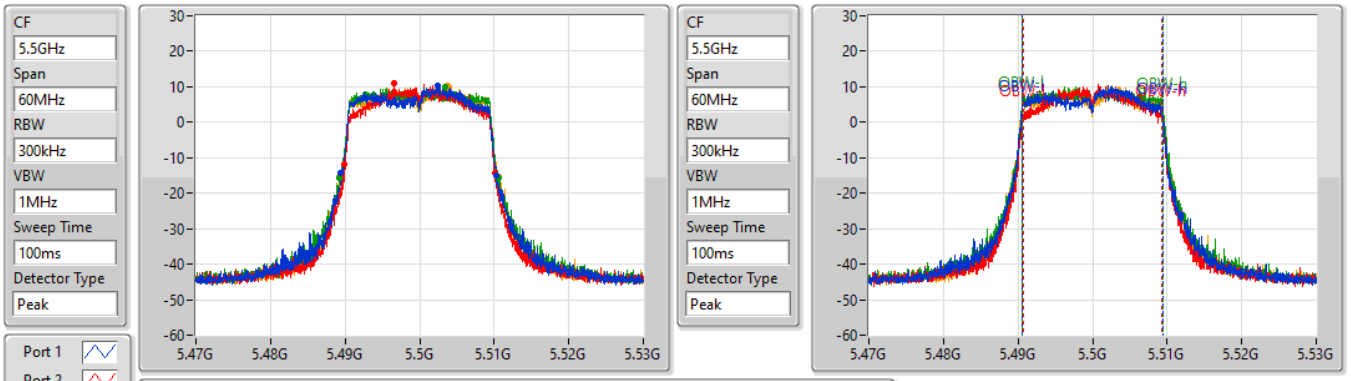



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 20.97M | 5.3095G | 5.33047G | 18.891M | 5.310525G | 5.329415G | Inf | 1 |
| 20.82M | 5.30956G | 5.33038G | 18.891M | 5.310525G | 5.329415G | Inf | 2 |
| 21.03M | 5.30938G | 5.33041G | 18.921M | 5.310495G | 5.329415G | Inf | 3 |
| 21.09M | 5.30941G | 5.3305G | 18.921M | 5.310495G | 5.329415G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5500MHz

22/01/2022

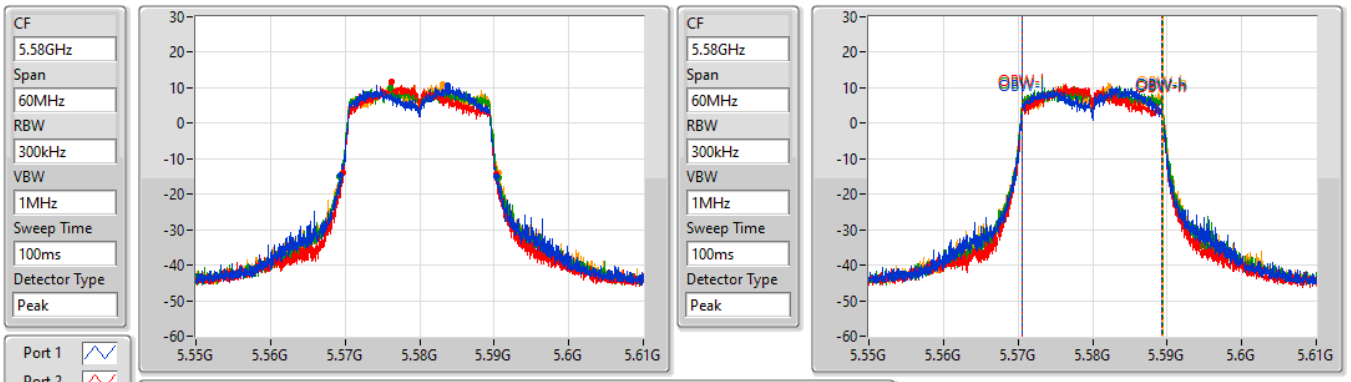



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 20.97M | 5.48935G | 5.51032G | 18.861M | 5.490525G | 5.509385G | Inf | 1 |
| 20.25M | 5.48986G | 5.51011G | 18.591M | 5.490675G | 5.509265G | Inf | 2 |
| 21.54M | 5.48914G | 5.51068G | 18.921M | 5.490525G | 5.509445G | Inf | 3 |
| 21.39M | 5.48923G | 5.51062G | 18.981M | 5.490495G | 5.509475G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5580MHz

22/01/2022

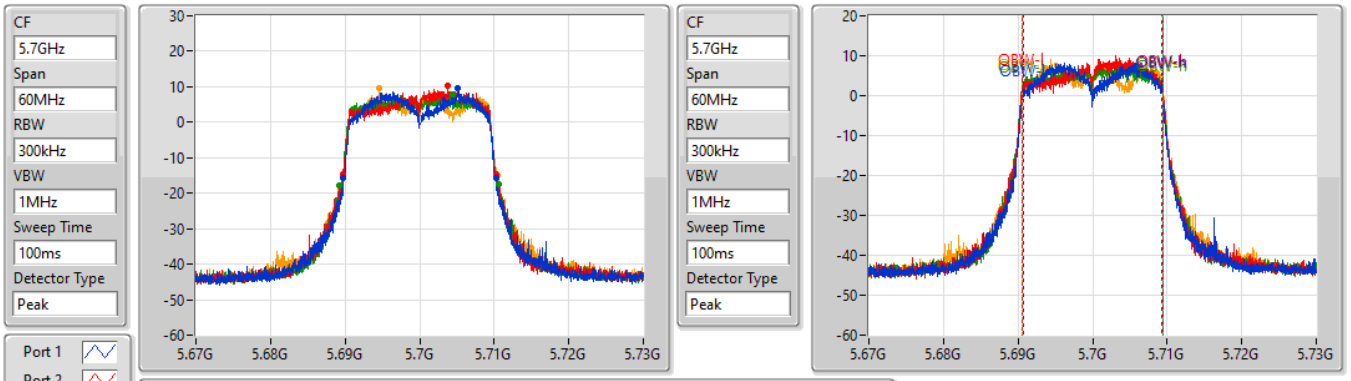



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.03M | 5.56932G | 5.59035G | 18.801M | 5.570525G | 5.589325G | Inf | 1 |
| 20.49M | 5.56974G | 5.59023G | 18.741M | 5.570585G | 5.589325G | Inf | 2 |
| 21.33M | 5.56929G | 5.59062G | 18.951M | 5.570495G | 5.589445G | Inf | 3 |
| 21.45M | 5.56917G | 5.59062G | 18.951M | 5.570495G | 5.589445G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5700MHz

22/01/2022

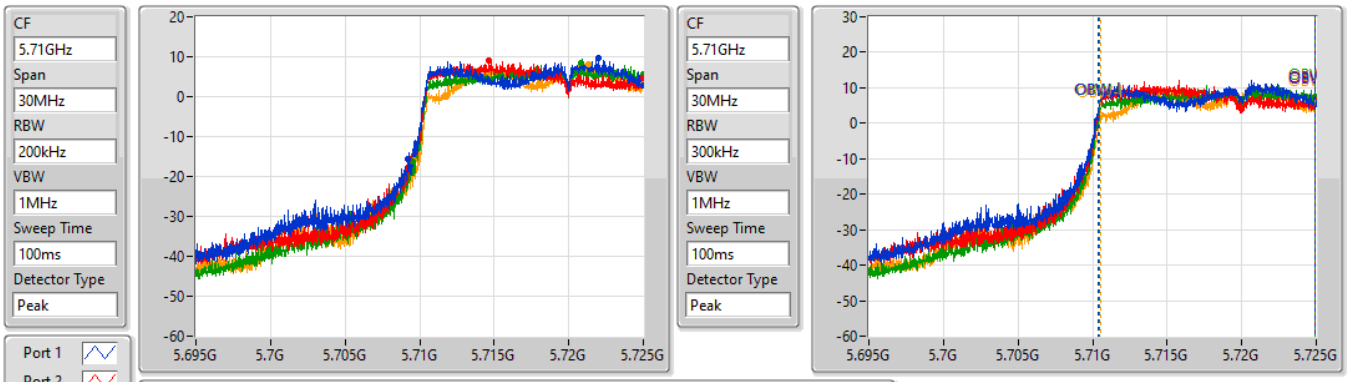



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 20.58M | 5.68974G | 5.71032G | 18.651M | 5.690675G | 5.709325G | Inf | 1 |
| 20.64M | 5.68968G | 5.71032G | 18.831M | 5.690555G | 5.709385G | Inf | 2 |
| 21.33M | 5.68929G | 5.71062G | 18.891M | 5.690525G | 5.709415G | Inf | 3 |
| 20.85M | 5.68965G | 5.7105G | 18.891M | 5.690555G | 5.709445G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5720MHz Straddle 5.47-5.725GHz

22/01/2022

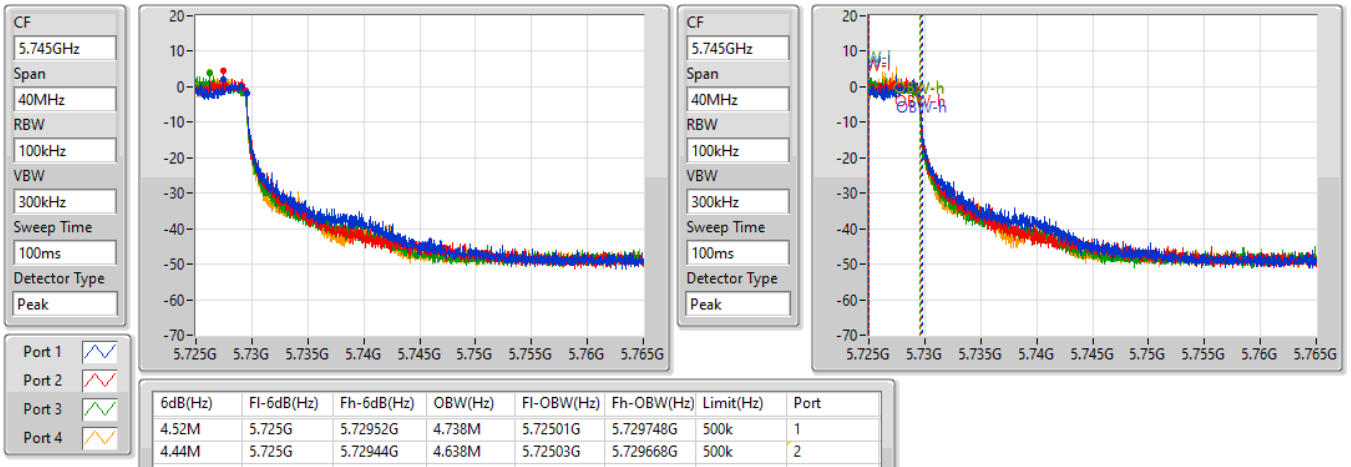



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.765M | 5.709235G | 5.725G | 14.543M | 5.710345G | 5.724888G | Inf | 1 |
| 15.75M | 5.70925G | 5.725G | 14.513M | 5.710375G | 5.724888G | Inf | 2 |
| 15.465M | 5.709535G | 5.725G | 14.453M | 5.71048G | 5.724933G | Inf | 3 |
| 15.375M | 5.709625G | 5.725G | 14.333M | 5.71057G | 5.724903G | Inf | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5720MHz Straddle 5.725-5.85GHz

22/01/2022

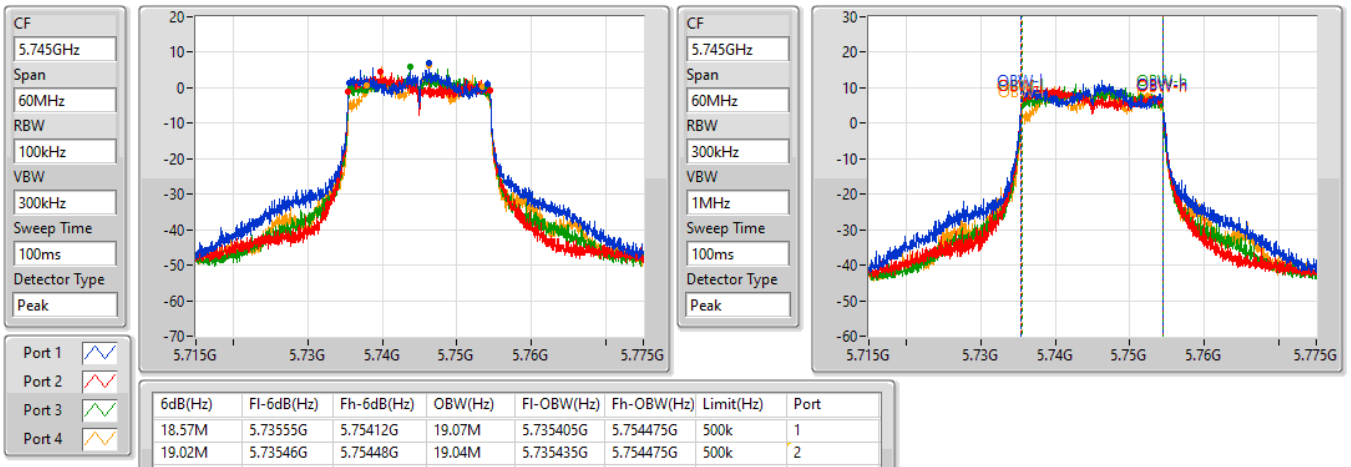



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 4.52M | 5.725G | 5.72952G | 4.738M | 5.72501G | 5.729748G | 500k | 1 |
| 4.44M | 5.725G | 5.72944G | 4.638M | 5.72503G | 5.729668G | 500k | 2 |
| 4.4M | 5.725G | 5.7294G | 4.598M | 5.72501G | 5.729608G | 500k | 3 |
| 4.4M | 5.725G | 5.7294G | 4.538M | 5.72503G | 5.729568G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5745MHz

22/01/2022

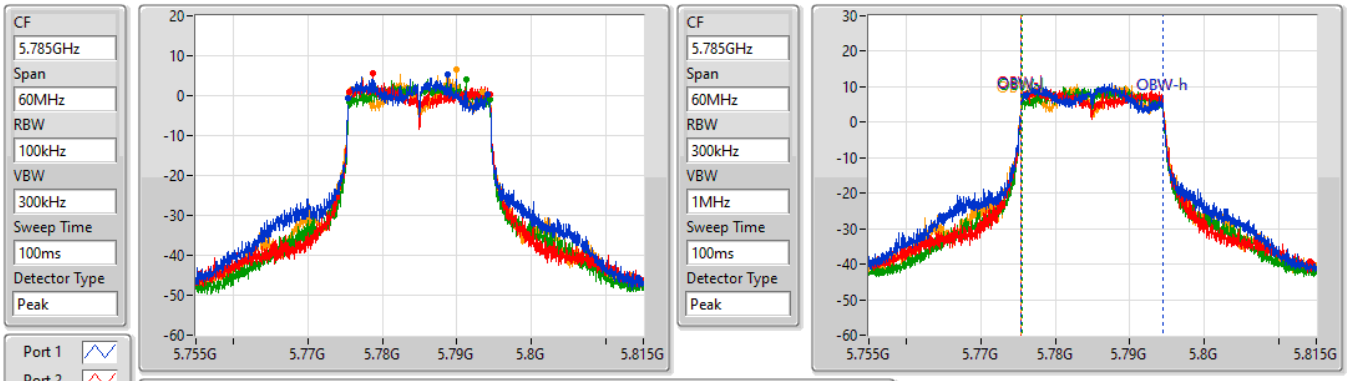



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.57M | 5.73555G | 5.75412G | 19.07M | 5.735405G | 5.754475G | 500k | 1 |
| 19.02M | 5.73546G | 5.75448G | 19.04M | 5.735435G | 5.754475G | 500k | 2 |
| 18.39M | 5.73573G | 5.75412G | 18.891M | 5.735495G | 5.754385G | 500k | 3 |
| 15.51M | 5.73798G | 5.75349G | 18.801M | 5.735615G | 5.754415G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5785MHz

22/01/2022

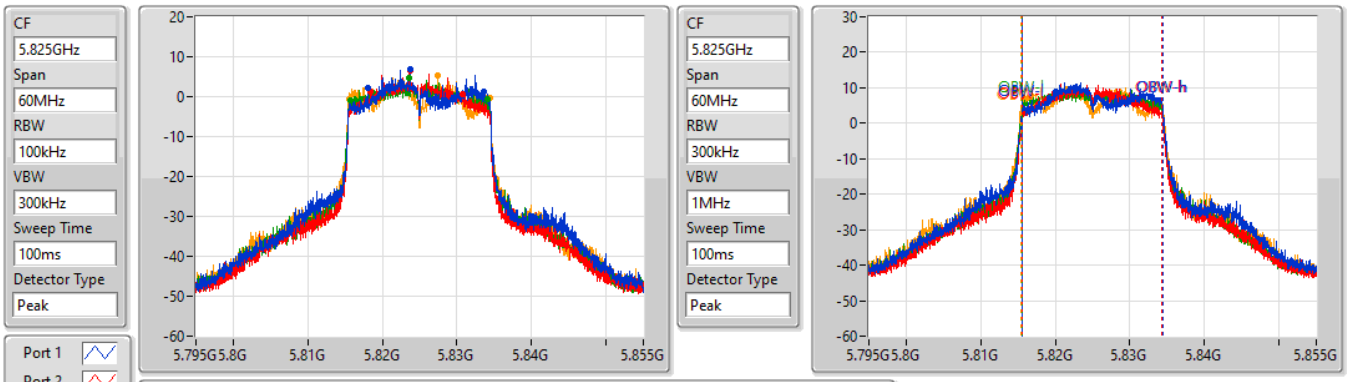



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.66M | 5.77537G | 5.79403G | 19.07M | 5.775375G | 5.794445G | 500k | 1 |
| 18.87M | 5.77549G | 5.79436G | 19.1M | 5.775405G | 5.794505G | 500k | 2 |
| 18.81M | 5.77555G | 5.79436G | 18.921M | 5.775495G | 5.794415G | 500k | 3 |
| 17.85M | 5.77552G | 5.79337G | 19.1M | 5.775375G | 5.794475G | 500k | 4 |

## 802.11ax HEW20_Nss1,(MCS0)_4TX EBW

### 5825MHz

22/01/2022

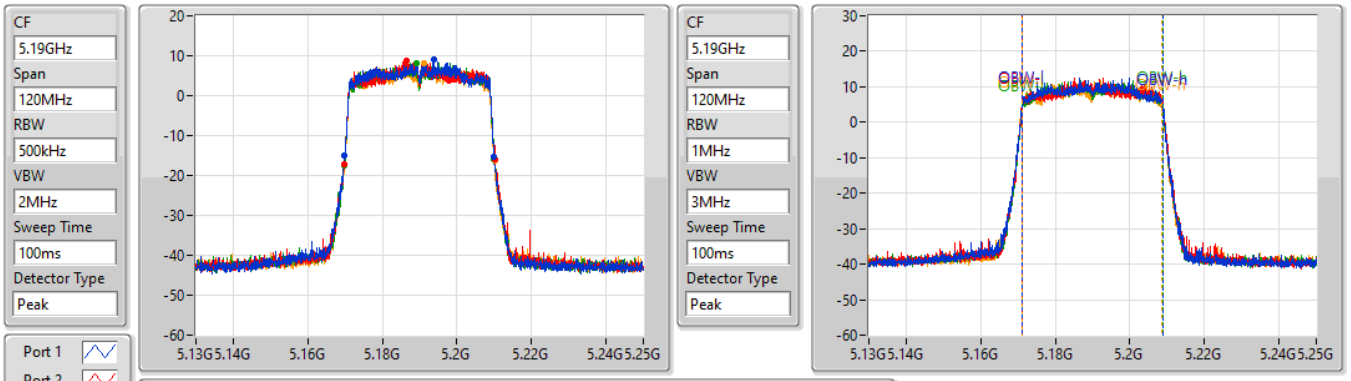



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.57M | 5.8181G | 5.83367G | 18.921M | 5.815525G | 5.834445G | 500k | 1 |
| 12.33M | 5.81843G | 5.83076G | 18.681M | 5.815615G | 5.834295G | 500k | 2 |
| 18.39M | 5.8157G | 5.83409G | 18.891M | 5.815495G | 5.834385G | 500k | 3 |
| 18.87M | 5.81549G | 5.83436G | 19.13M | 5.815345G | 5.834475G | 500k | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5190MHz

22/01/2022

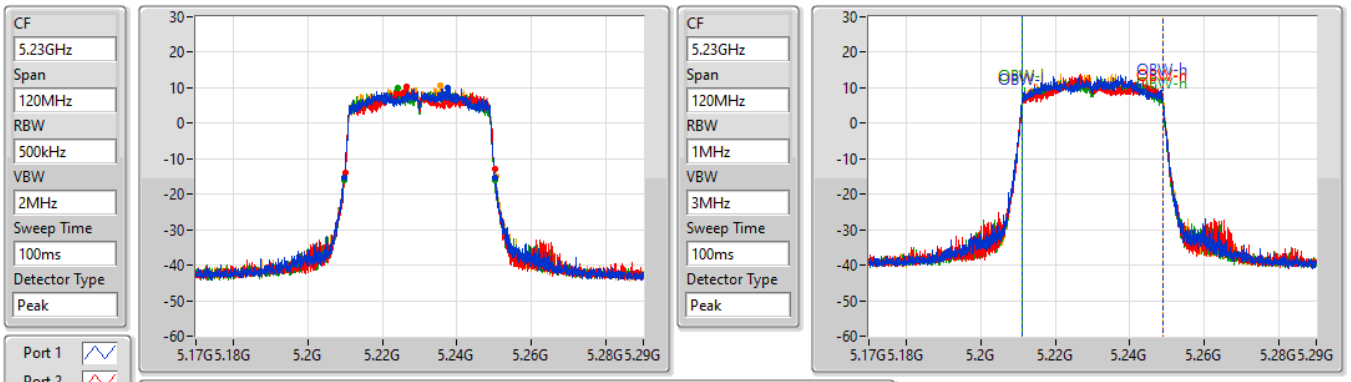



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.08M | 5.1699G | 5.20998G | 37.781M | 5.171109G | 5.208891G | Inf | 1 |
| 40.62M | 5.16966G | 5.21028G | 37.781M | 5.171109G | 5.208891G | Inf | 2 |
| 40.38M | 5.16966G | 5.21004G | 37.601M | 5.171229G | 5.208831G | Inf | 3 |
| 40.5M | 5.16972G | 5.21022G | 37.601M | 5.171109G | 5.208711G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5230MHz

22/01/2022

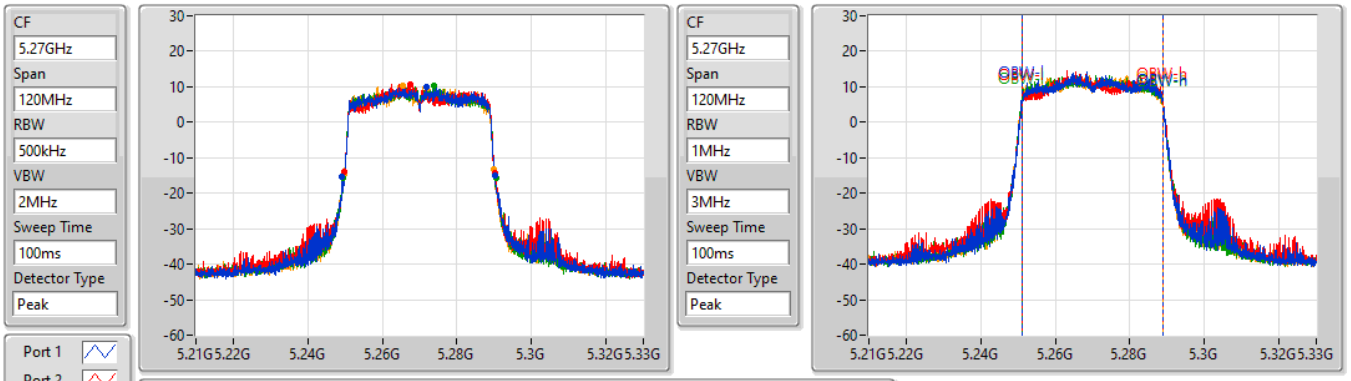



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.62M | 5.20966G | 5.25028G | 37.721M | 5.211109G | 5.248831G | Inf | 1 |
| 40.2M | 5.20996G | 5.25016G | 37.781M | 5.211109G | 5.248891G | Inf | 2 |
| 40.5M | 5.20966G | 5.25016G | 37.721M | 5.211049G | 5.248771G | Inf | 3 |
| 40.74M | 5.20978G | 5.25052G | 37.721M | 5.211169G | 5.248891G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5270MHz

22/01/2022

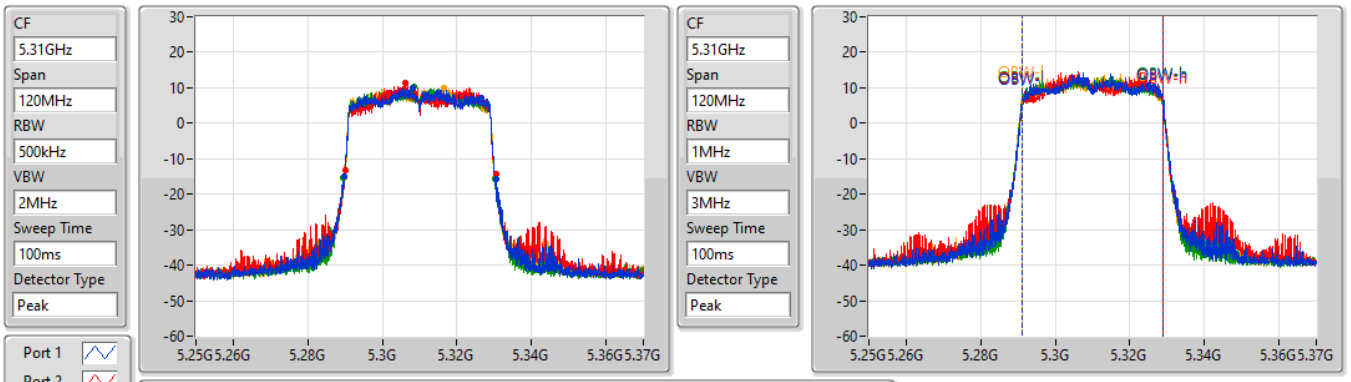



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.98M | 5.24924G | 5.29022G | 37.661M | 5.251169G | 5.288831G | Inf | 1 |
| 40.26M | 5.2499G | 5.29016G | 37.721M | 5.251109G | 5.288831G | Inf | 2 |
| 40.8M | 5.2496G | 5.2904G | 37.721M | 5.251049G | 5.288771G | Inf | 3 |
| 40.26M | 5.24978G | 5.29004G | 37.721M | 5.251049G | 5.288771G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5310MHz

22/01/2022

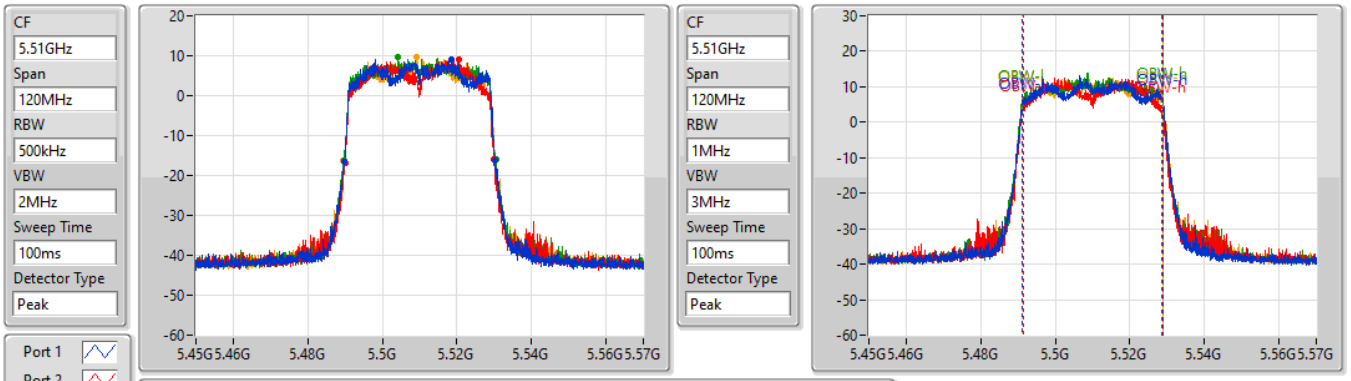



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.56M | 5.28984G | 5.3304G | 37.721M | 5.291169G | 5.328891G | Inf | 1 |
| 40.38M | 5.29002G | 5.3304G | 37.661M | 5.291169G | 5.328831G | Inf | 2 |
| 40.62M | 5.2896G | 5.33022G | 37.661M | 5.291109G | 5.328771G | Inf | 3 |
| 40.38M | 5.28978G | 5.33016G | 37.721M | 5.291049G | 5.328771G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5510MHz

22/01/2022

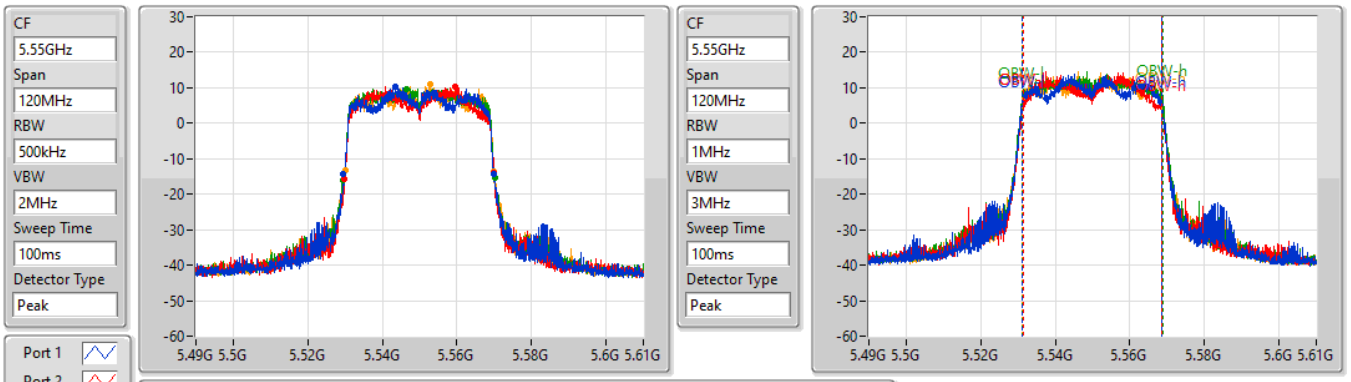



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.5M | 5.48978G | 5.53028G | 37.781M | 5.491169G | 5.528951G | Inf | 1 |
| 40.08M | 5.48996G | 5.53004G | 37.181M | 5.491349G | 5.528531G | Inf | 2 |
| 40.68M | 5.48972G | 5.5304G | 37.661M | 5.491169G | 5.528831G | Inf | 3 |
| 40.62M | 5.4896G | 5.53022G | 37.841M | 5.491109G | 5.528951G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5550MHz

22/01/2022

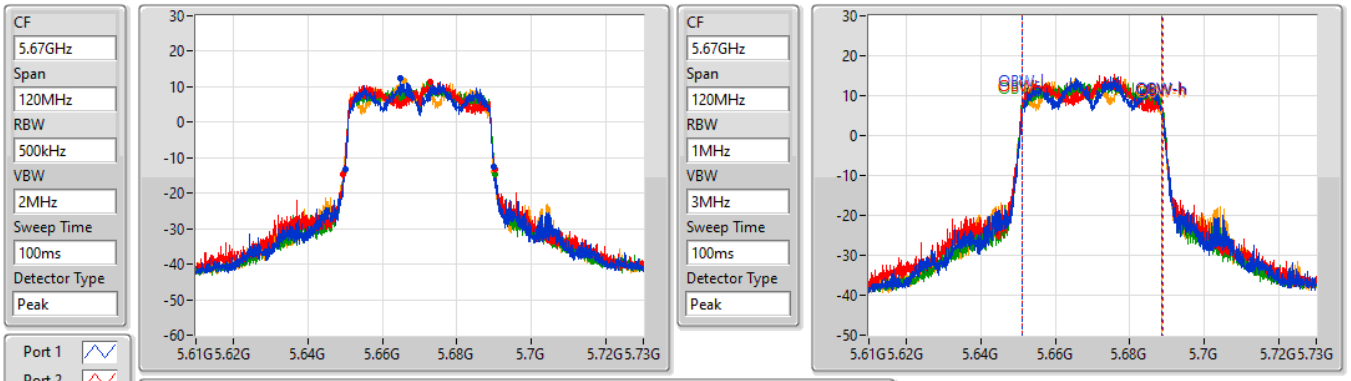



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.62M | 5.52942G | 5.57004G | 37.541M | 5.531109G | 5.568651G | Inf | 1 |
| 40.14M | 5.5299G | 5.57004G | 37.121M | 5.531349G | 5.568471G | Inf | 2 |
| 40.74M | 5.52954G | 5.57028G | 37.661M | 5.531109G | 5.568771G | Inf | 3 |
| 39.96M | 5.52996G | 5.56992G | 37.601M | 5.531109G | 5.568711G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5670MHz

22/01/2022

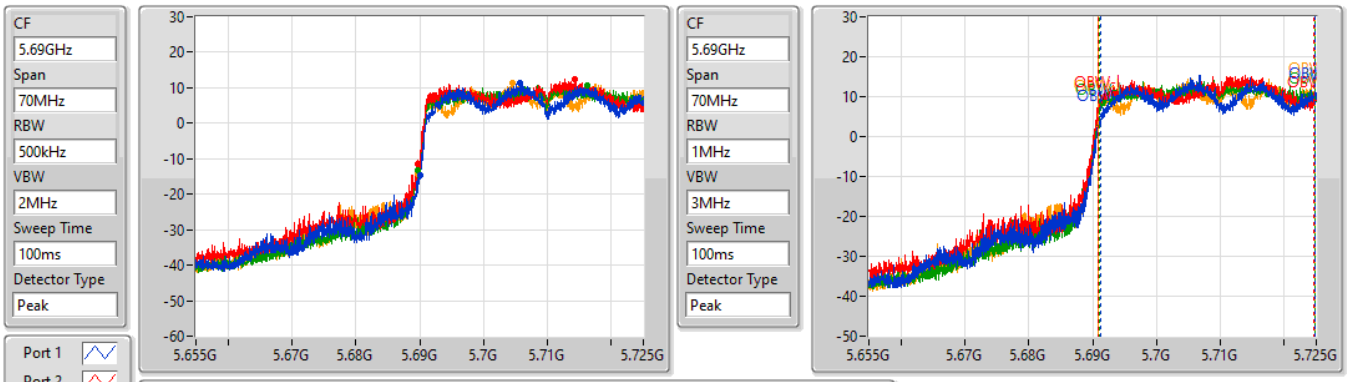



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 39.78M | 5.65008G | 5.68986G | 37.481M | 5.651229G | 5.688711G | Inf | 1 |
| 40.74M | 5.64942G | 5.69016G | 37.721M | 5.651049G | 5.688771G | Inf | 2 |
| 40.86M | 5.64942G | 5.69028G | 37.901M | 5.65099G | 5.688891G | Inf | 3 |
| 40.32M | 5.64966G | 5.68998G | 37.601M | 5.65099G | 5.688591G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5710MHz Straddle 5.47-5.725GHz

22/01/2022

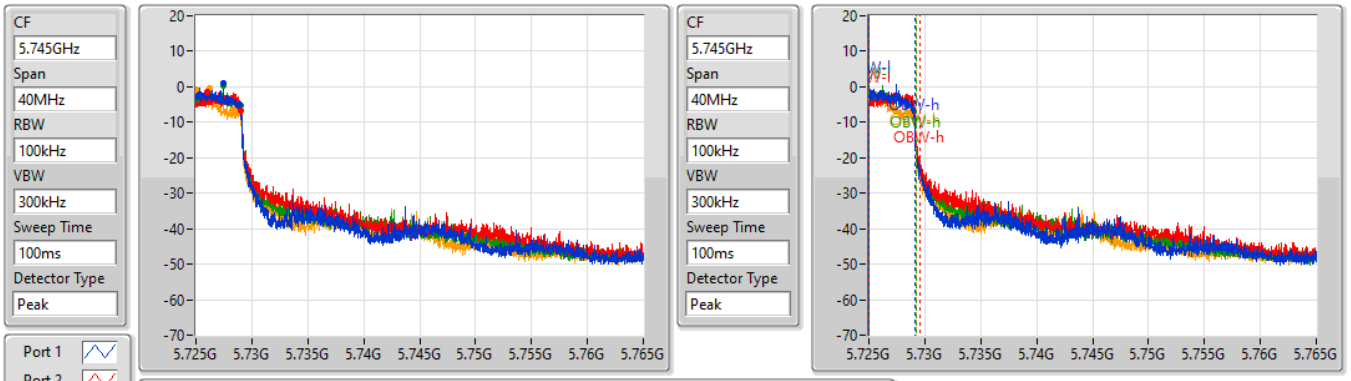



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 35M | 5.69G | 5.725G | 33.583M | 5.691259G | 5.724843G | Inf | 1 |
| 35.35M | 5.68965G | 5.725G | 33.758M | 5.690945G | 5.724703G | Inf | 2 |
| 35.385M | 5.689615G | 5.725G | 33.723M | 5.691014G | 5.724738G | Inf | 3 |
| 35.21M | 5.68979G | 5.725G | 33.898M | 5.690945G | 5.724843G | Inf | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5710MHz Straddle 5.725-5.85GHz

22/01/2022

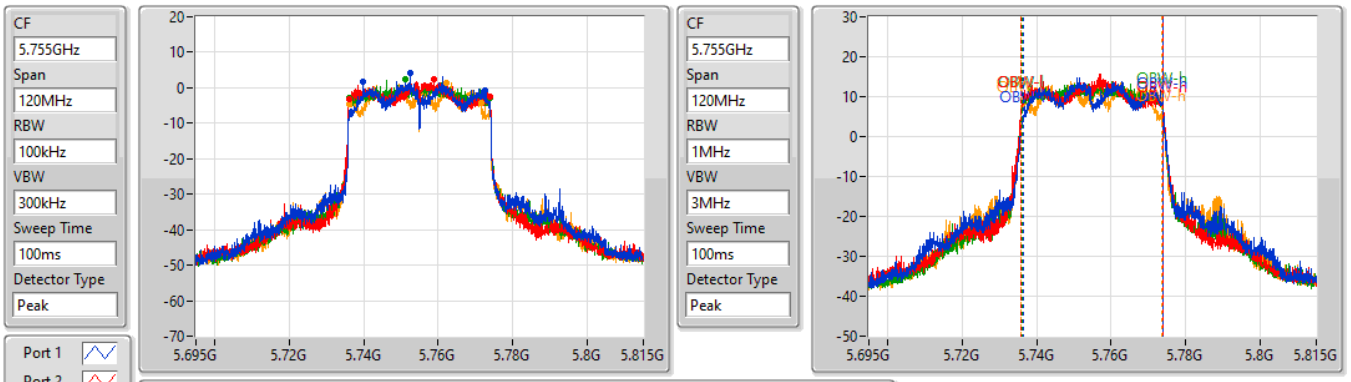



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 3.94M | 5.725G | 5.72894G | 4.118M | 5.72501G | 5.729128G | 500k | 1 |
| 4.06M | 5.725G | 5.72906G | 4.558M | 5.72503G | 5.729588G | 500k | 2 |
| 4M | 5.725G | 5.729G | 4.218M | 5.72501G | 5.729228G | 500k | 3 |
| 3.36M | 5.725G | 5.72836G | 4.178M | 5.72501G | 5.729188G | 500k | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5755MHz

22/01/2022

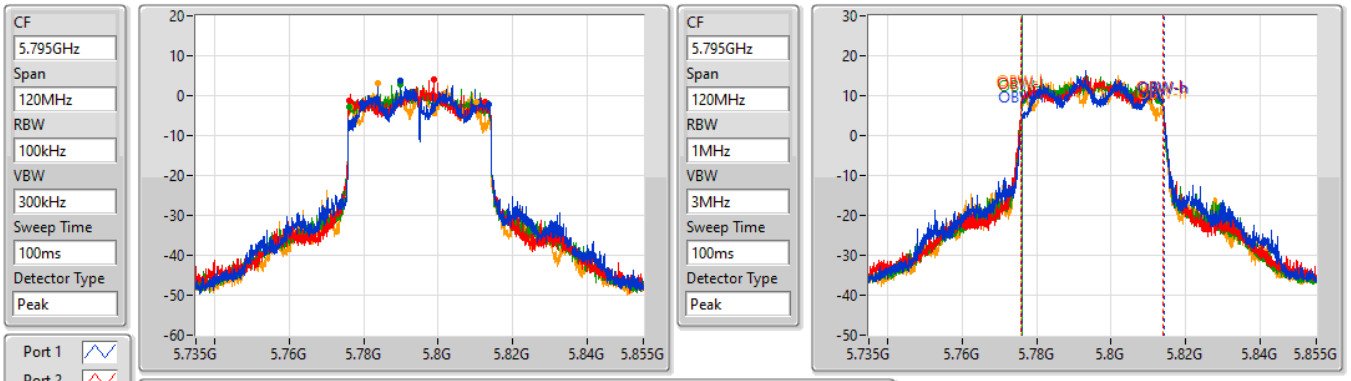



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 32.46M | 5.73994G | 5.7724G | 37.541M | 5.736349G | 5.773891G | 500k | 1 |
| 37.92M | 5.73598G | 5.7739G | 38.021M | 5.73593G | 5.773951G | 500k | 2 |
| 37.5M | 5.73622G | 5.77372G | 37.841M | 5.73599G | 5.773831G | 500k | 3 |
| 35.46M | 5.73598G | 5.77144G | 37.781M | 5.73593G | 5.773711G | 500k | 4 |

## 802.11ax HEW40_Nss1,(MCS0)_4TX EBW

### 5795MHz

22/01/2022

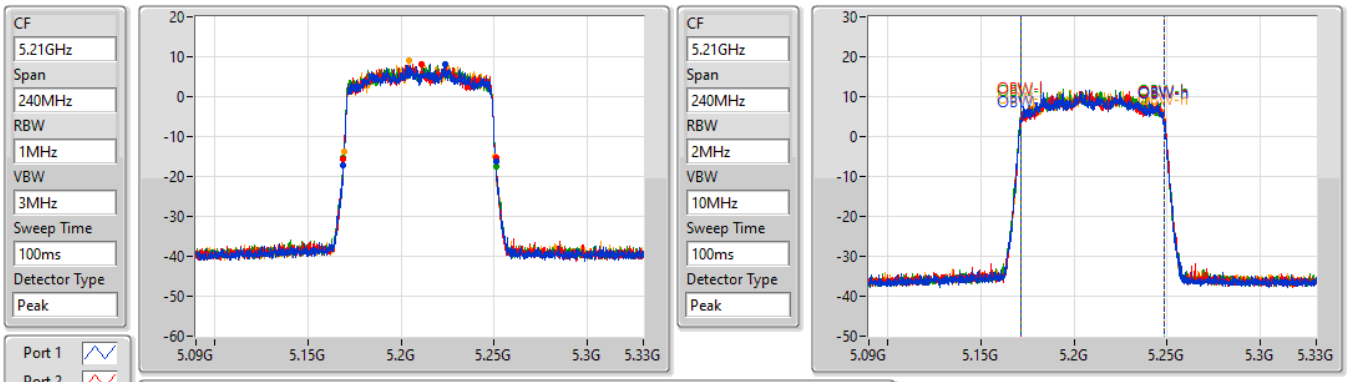



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 34.02M | 5.77958G | 5.8136G | 37.841M | 5.776229G | 5.81407G | 500k | 1 |
| 36.54M | 5.7761G | 5.81264G | 38.141M | 5.77587G | 5.81401G | 500k | 2 |
| 37.32M | 5.77604G | 5.81336G | 37.901M | 5.77599G | 5.813891G | 500k | 3 |
| 33.6M | 5.77646G | 5.81006G | 37.841M | 5.77593G | 5.813771G | 500k | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5210MHz

22/01/2022

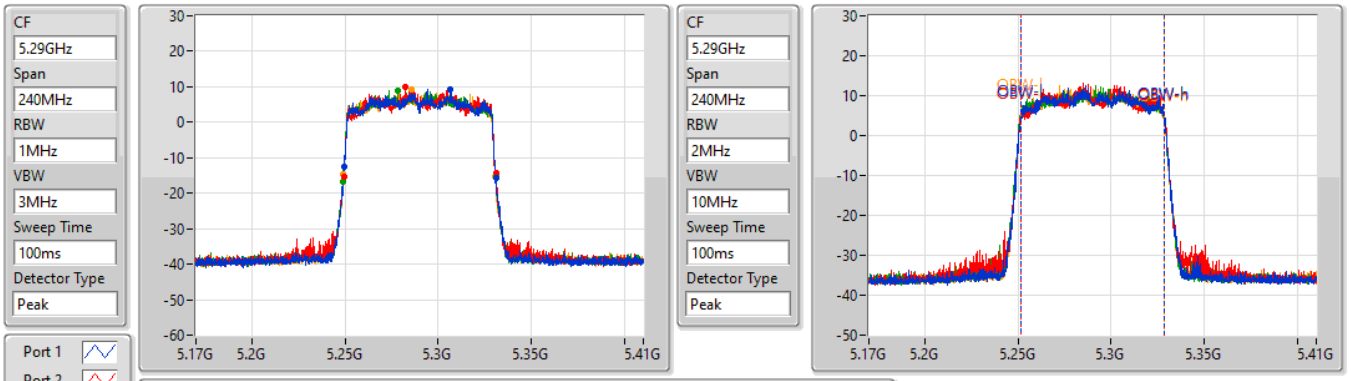



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 81.6M | 5.1692G | 5.2508G | 76.882M | 5.1714996 | 5.248381G | Inf | 1 |
| 81.72M | 5.1692G | 5.25092G | 77.121M | 5.1714996 | 5.248621G | Inf | 2 |
| 81.72M | 5.16908G | 5.2508G | 77.001M | 5.171379G | 5.248381G | Inf | 3 |
| 81.12M | 5.16932G | 5.25044G | 76.762M | 5.1714996 | 5.248261G | Inf | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5290MHz

22/01/2022

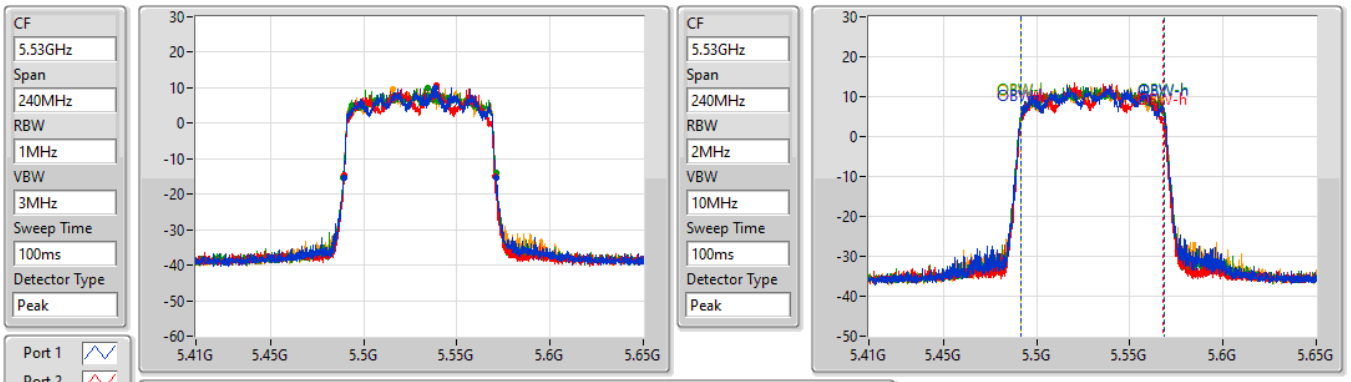



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 81.48M | 5.24944G | 5.33092G | 77.001M | 5.251499G | 5.328501G | Inf | 1 |
| 81.48M | 5.24932G | 5.3308G | 77.001M | 5.251499G | 5.328501G | Inf | 2 |
| 82.2M | 5.24872G | 5.33092G | 77.121M | 5.251379G | 5.328501G | Inf | 3 |
| 81.48M | 5.2492G | 5.33068G | 76.762M | 5.251499G | 5.328261G | Inf | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5530MHz

22/01/2022

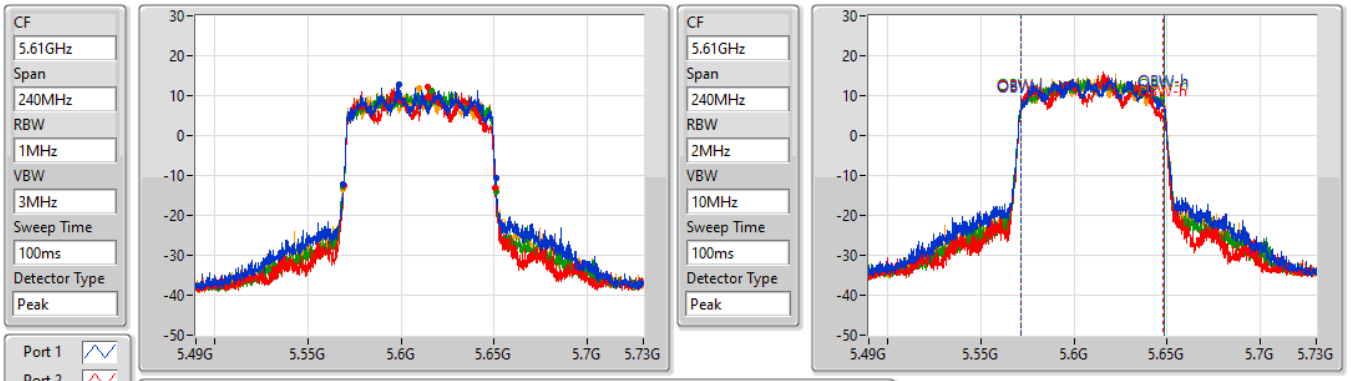



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 82.08M | 5.48932G | 5.5714G | 77.001M | 5.491619G | 5.568621G | Inf | 1 |
| 80.64M | 5.48956G | 5.5702G | 75.802M | 5.491859G | 5.567661G | Inf | 2 |
| 81.72M | 5.48908G | 5.5708G | 77.001M | 5.491499G | 5.568501G | Inf | 3 |
| 81.72M | 5.4892G | 5.57092G | 77.001M | 5.491619G | 5.568621G | Inf | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5610MHz

22/01/2022

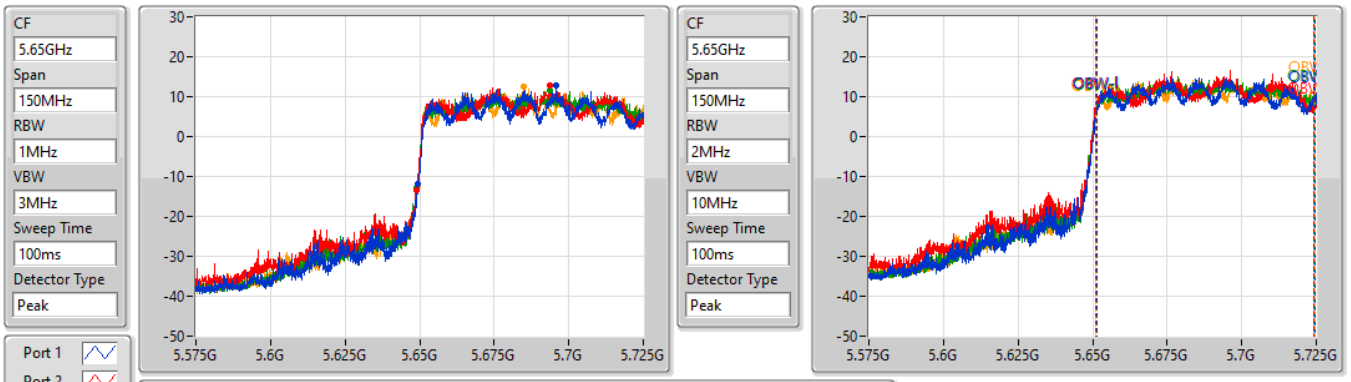



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 81.6M | 5.5692G | 5.6508G | 77.241M | 5.571379G | 5.648621G | Inf | 1 |
| 80.88M | 5.56944G | 5.65032G | 76.522M | 5.571499G | 5.648021G | Inf | 2 |
| 81.96M | 5.56908G | 5.65104G | 77.001M | 5.571379G | 5.648381G | Inf | 3 |
| 82.08M | 5.5692G | 5.65128G | 77.241M | 5.571499G | 5.648741G | Inf | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5690MHz Straddle 5.47-5.725GHz

22/01/2022

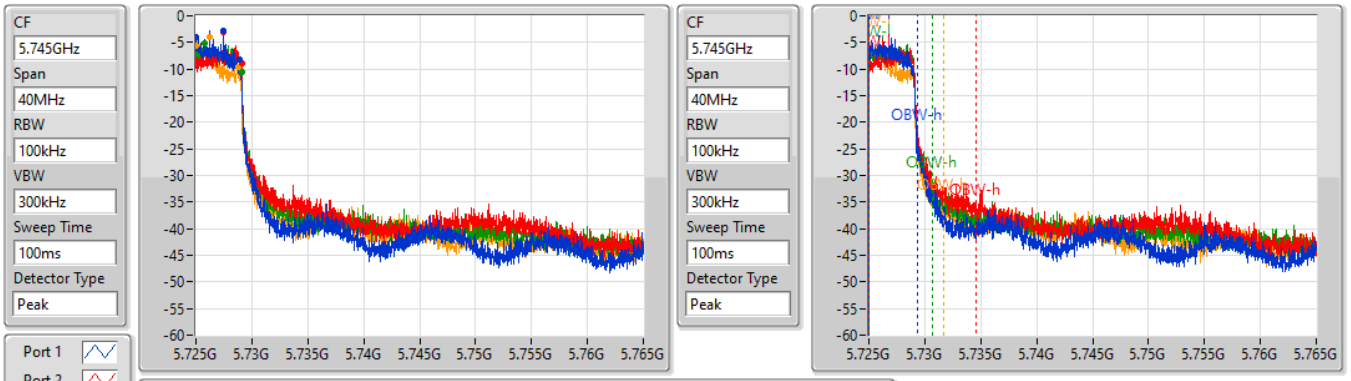



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 75.75M | 5.64925G | 5.725G | 73.013M | 5.651499G | 5.724513G | Inf | 1 |
| 76.2M | 5.6488G | 5.725G | 72.864M | 5.651199G | 5.724063G | Inf | 2 |
| 76.2M | 5.6488G | 5.725G | 73.013M | 5.651349G | 5.724363G | Inf | 3 |
| 75.825M | 5.649175G | 5.725G | 73.388M | 5.651124G | 5.724513G | Inf | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5690MHz Straddle 5.725-5.85GHz

22/01/2022

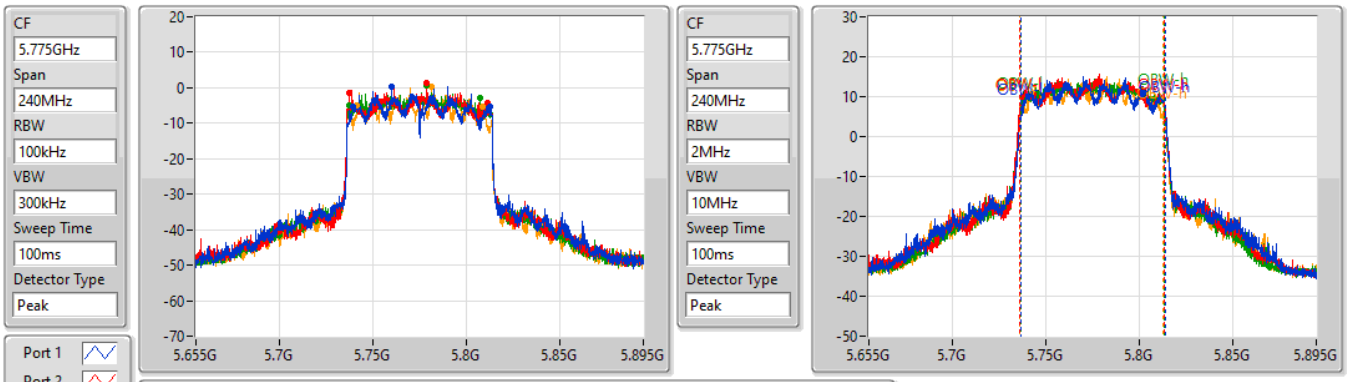



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 3.92M | 5.725G | 5.72892G | 4.358M | 5.72501G | 5.729368G | 500k | 1 |
| 4.08M | 5.725G | 5.72908G | 9.575M | 5.72503G | 5.734605G | 500k | 2 |
| 4.08M | 5.725G | 5.72908G | 5.597M | 5.72503G | 5.730627G | 500k | 3 |
| 3.8M | 5.725G | 5.7288G | 6.657M | 5.72501G | 5.731667G | 500k | 4 |

## 802.11ax HEW80_Nss1,(MCS0)_4TX EBW

### 5775MHz

22/01/2022




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 73.32M | 5.73924G | 5.81256G | 77.121M | 5.736739G | 5.813861G | 500k | 1 |
| 74.16M | 5.73744G | 5.8116G | 77.721M | 5.736019G | 5.813741G | 500k | 2 |
| 70.32M | 5.7372G | 5.80752G | 77.241M | 5.736259G | 5.813501G | 500k | 3 |
| 67.32M | 5.74152G | 5.80884G | 76.882M | 5.736139G | 5.813021G | 500k | 4 |

## Summary

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---|---|---|---|---|---|
| 5.47-5.725GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_1TX | 21.27M | 16.792M | 16M8D1D | 15.36M | 13.433M |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 22.14M | 19.16M | 19M2D1D | 16.305M | 14.603M |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | 40.74M | 37.841M | 37M8D1D | 35.525M | 33.793M |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | 81.84M | 77.361M | 77M4D1D | 77.1M | 73.313M |
| 802.11ax HEW160_Nss1,(MCS0)_1TX | 164.16M | 155.202M | 155MD1D | 164.16M | 155.202M |
| 5.725-5.85GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_1TX | 16.35M | 16.702M | 16M7D1D | 3.16M | 3.978M |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | 19.02M | 19.16M | 19M2D1D | 4.52M | 4.818M |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | 37.32M | 37.841M | 37M8D1D | 4.08M | 4.258M |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | 76.44M | 77.361M | 77M4D1D | 4.12M | 13.653M |

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

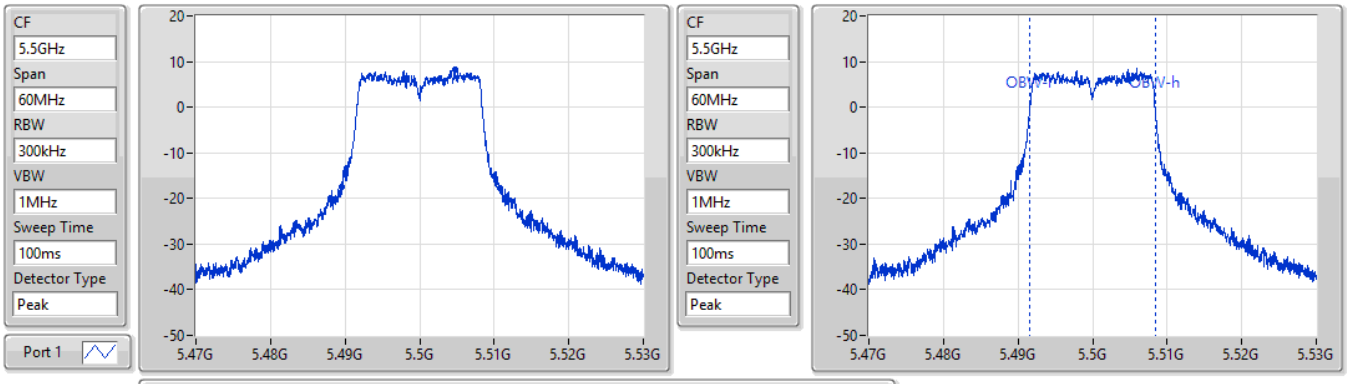
| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) |
|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_1TX | - | - | - | - |
| 5500MHz | Pass | Inf | 21.27M | 16.792M |
| 5580MHz | Pass | Inf | 20.25M | 16.702M |
| 5700MHz | Pass | Inf | 20.79M | 16.702M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 15.36M | 13.433M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.16M | 3.978M |
| 5745MHz | Pass | 500k | 16.35M | 16.702M |
| 5785MHz | Pass | 500k | 16.32M | 16.672M |
| 5825MHz | Pass | 500k | 16.35M | 16.672M |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | - | - | - | - |
| 5500MHz | Pass | Inf | 22.08M | 19.16M |
| 5580MHz | Pass | Inf | 22.14M | 19.16M |
| 5700MHz | Pass | Inf | 21.81M | 19.13M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 16.305M | 14.603M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.52M | 4.818M |
| 5745MHz | Pass | 500k | 19.02M | 19.13M |
| 5785MHz | Pass | 500k | 19.02M | 19.16M |
| 5825MHz | Pass | 500k | 18.99M | 19.13M |
| 802.11ax HEW40_Nss1,(MCS0)_1TX | - | - | - | - |
| 5510MHz | Pass | Inf | 40.74M | 37.841M |
| 5550MHz | Pass | Inf | 40.56M | 37.781M |
| 5670MHz | Pass | Inf | 40.56M | 37.841M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 35.525M | 33.793M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.08M | 4.258M |
| 5755MHz | Pass | 500k | 37.02M | 37.841M |
| 5795MHz | Pass | 500k | 37.32M | 37.841M |
| 802.11ax HEW80_Nss1,(MCS0)_1TX | - | - | - | - |
| 5530MHz | Pass | Inf | 81.84M | 77.361M |
| 5610MHz | Pass | Inf | 81.72M | 77.361M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 77.1M | 73.313M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.12M | 13.653M |
| 5775MHz | Pass | 500k | 76.44M | 77.361M |
| 802.11ax HEW160_Nss1,(MCS0)_1TX | - | - | - | - |
| 5570MHz | Pass | Inf | 164.16M | 155.202M |

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)_1TX EBW

### 5500MHz

11/02/2022

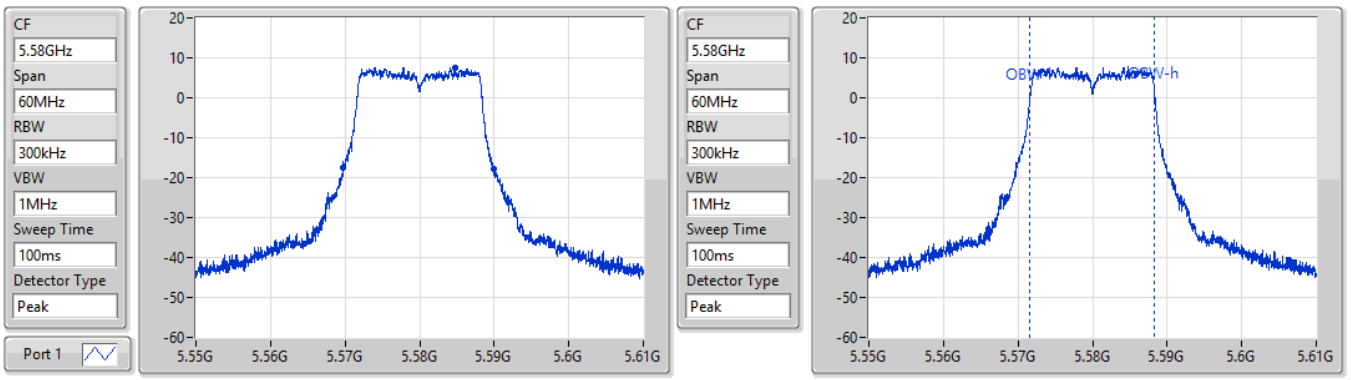



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.27M | 5.48953G | 5.5108G | 16.792M | 5.491574G | 5.508366G | Inf | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5580MHz

11/02/2022

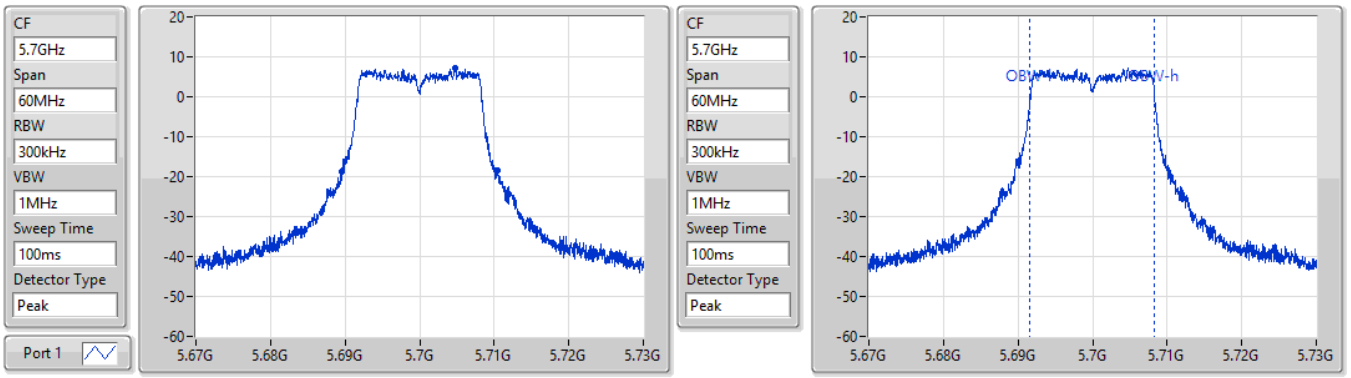



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 20.25M | 5.56968G | 5.58993G | 16.702M | 5.571604G | 5.588306G | Inf | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5700MHz

11/02/2022

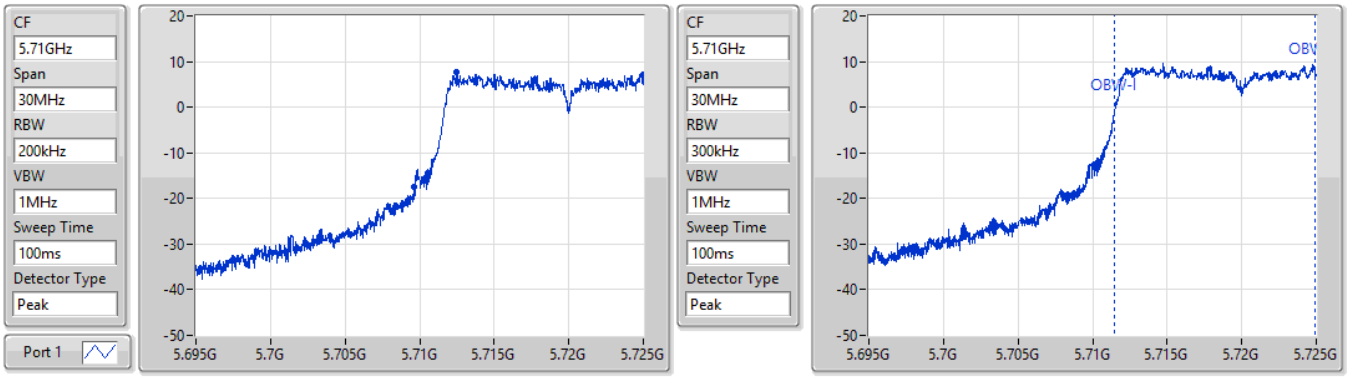



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 20.79M | 5.68959G | 5.71038G | 16.702M | 5.691604G | 5.708306G | Inf | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5720MHz Straddle 5.47-5.725GHz

11/02/2022

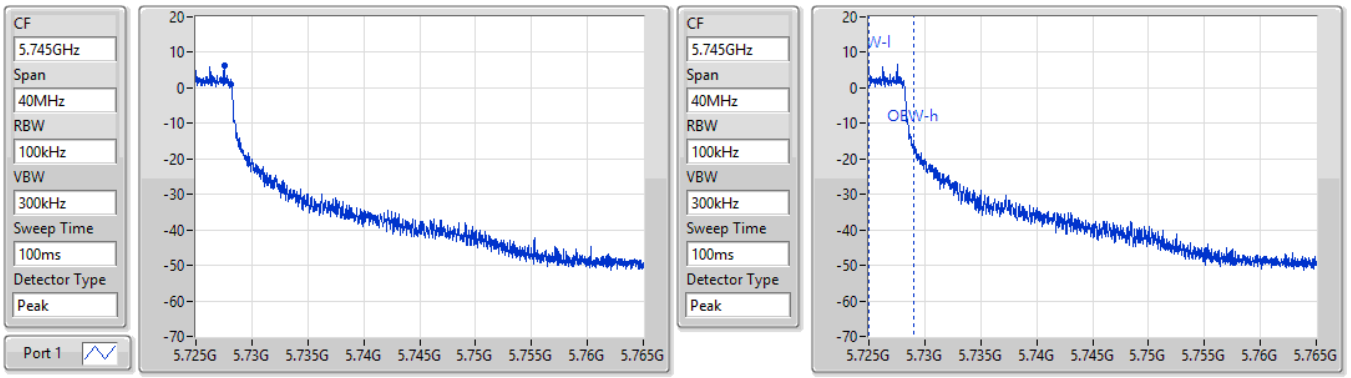



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.36M | 5.70964G | 5.725G | 13.433M | 5.711499G | 5.724933G | Inf | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5720MHz Straddle 5.725-5.85GHz

11/02/2022

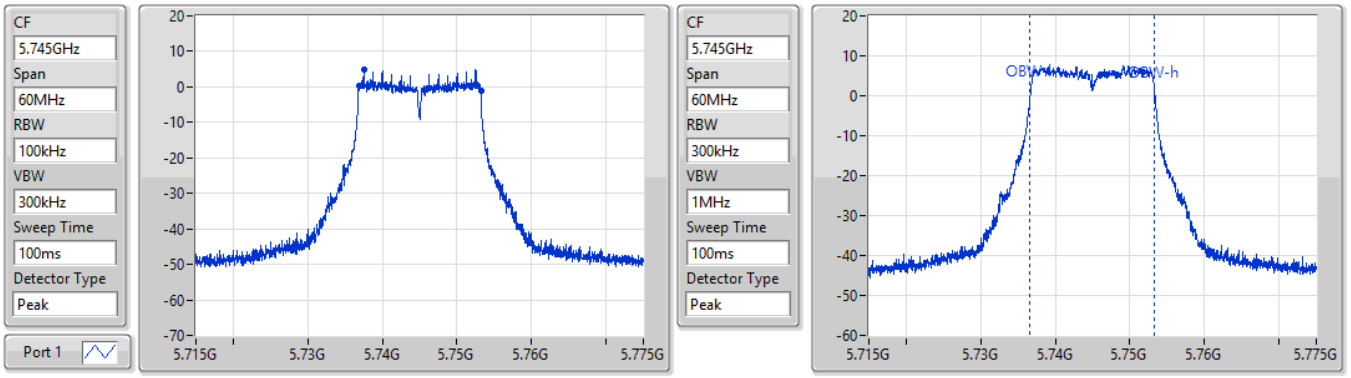



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 3.16M | 5.725G | 5.72816G | 3.978M | 5.72501G | 5.728988G | 500k | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5745MHz

11/02/2022

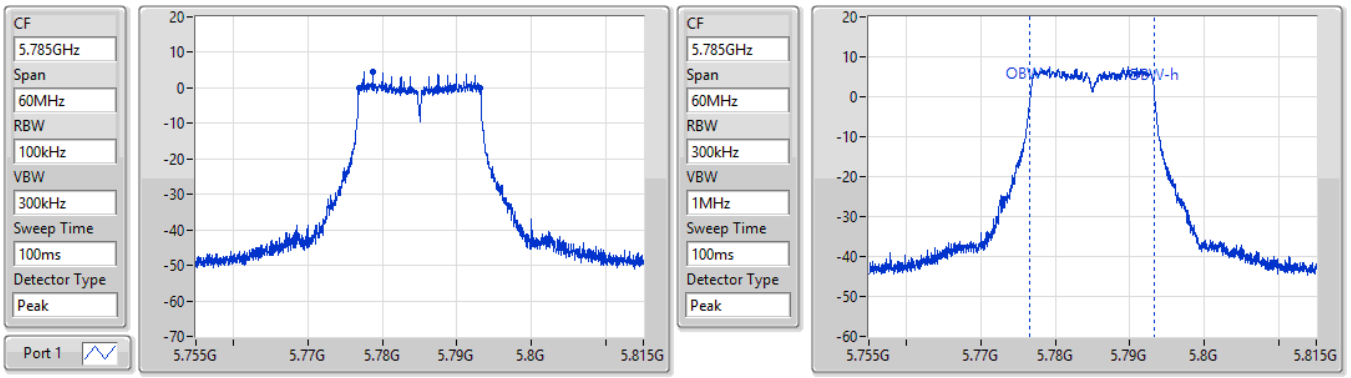



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.35M | 5.73684G | 5.75319G | 16.702M | 5.736604G | 5.753306G | 500k | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5785MHz

11/02/2022

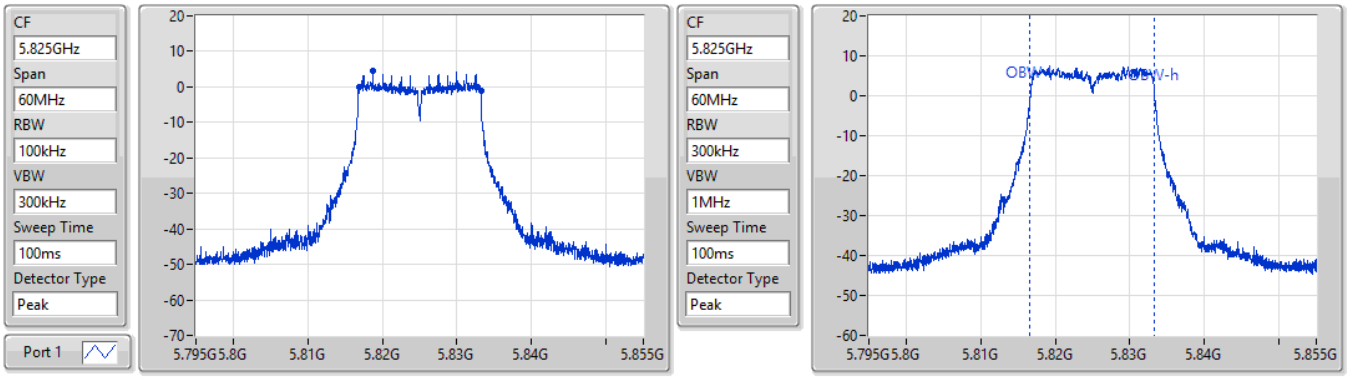



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.32M | 5.77684G | 5.79316G | 16.672M | 5.776634G | 5.793306G | 500k | 1 |

## 802.11a_Nss1,(6Mbps)_1TX EBW

### 5825MHz

11/02/2022

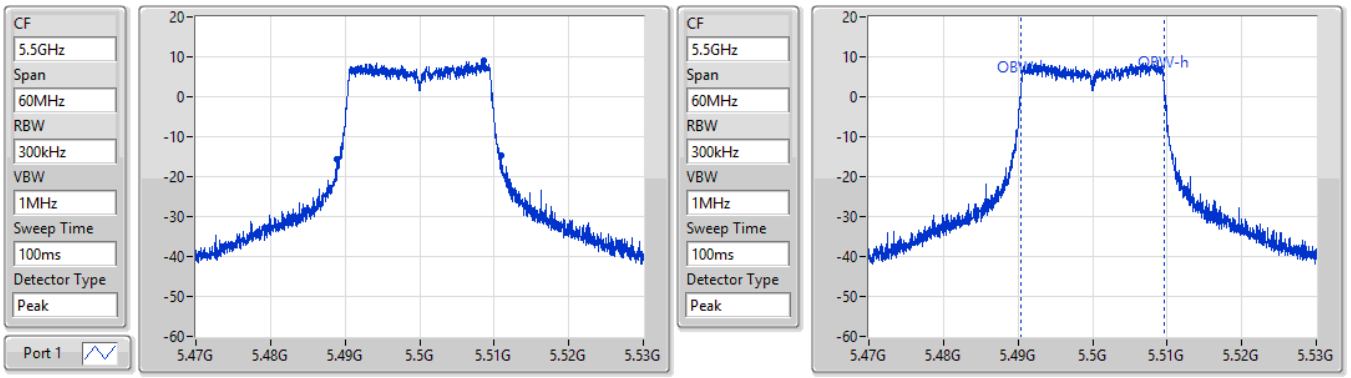



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.35M | 5.81684G | 5.83319G | 16.672M | 5.816634G | 5.833306G | 500k | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

### 5500MHz

11/02/2022

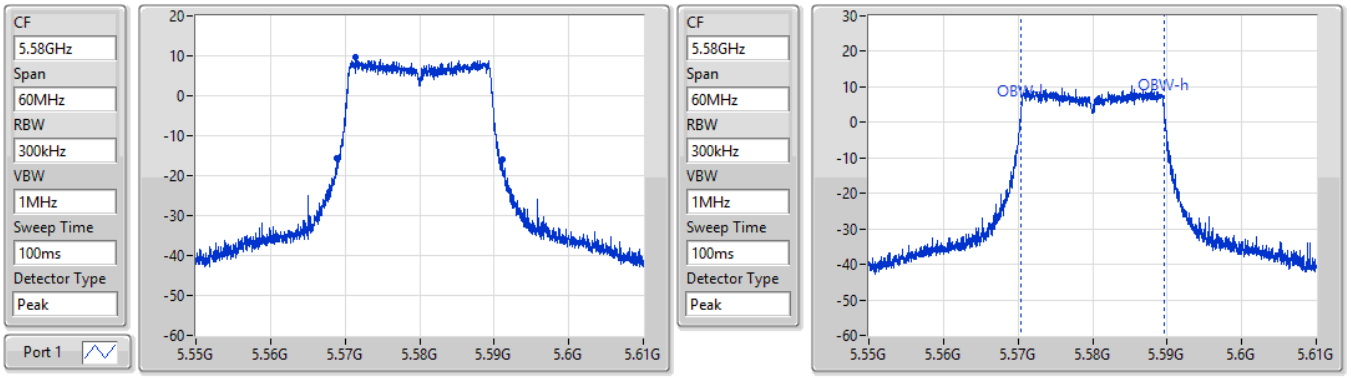



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 22.08M | 5.4889G | 5.51098G | 19.16M | 5.490405G | 5.509565G | Inf | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

### 5580MHz

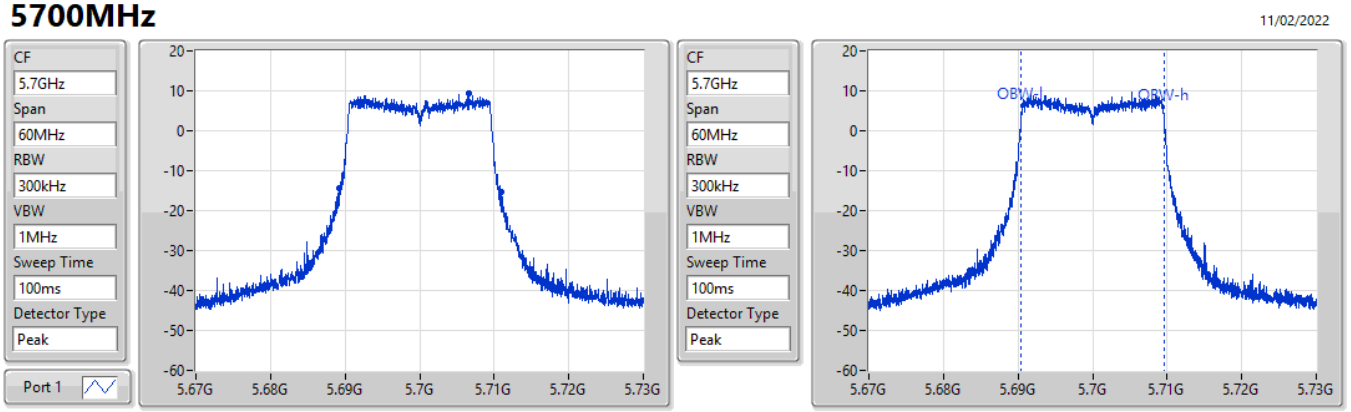
11/02/2022




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 22.14M | 5.56893G | 5.59107G | 19.16M | 5.570405G | 5.589565G | Inf | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

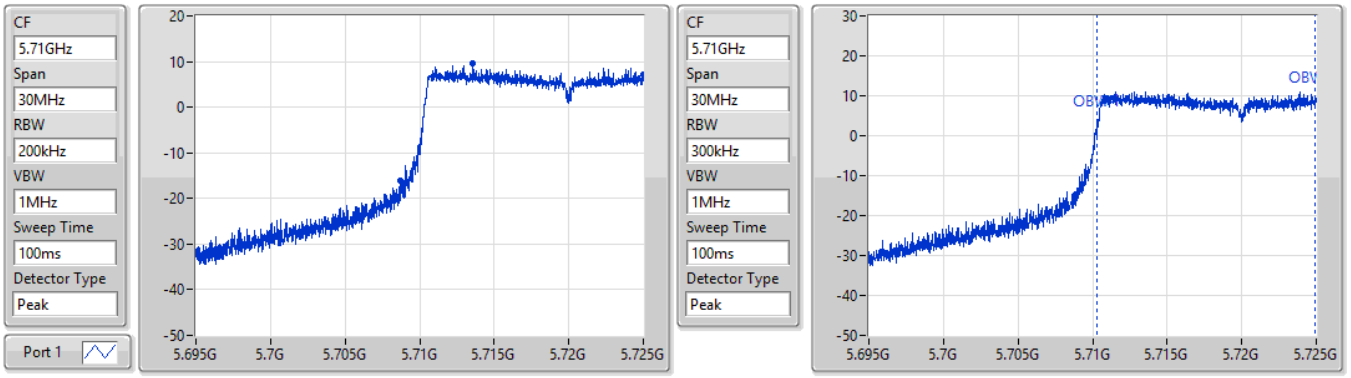
### 5700MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.81M | 5.68914G | 5.71095G | 19.13M | 5.690435G | 5.709565G | Inf | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

### 5720MHz Straddle 5.47-5.725GHz

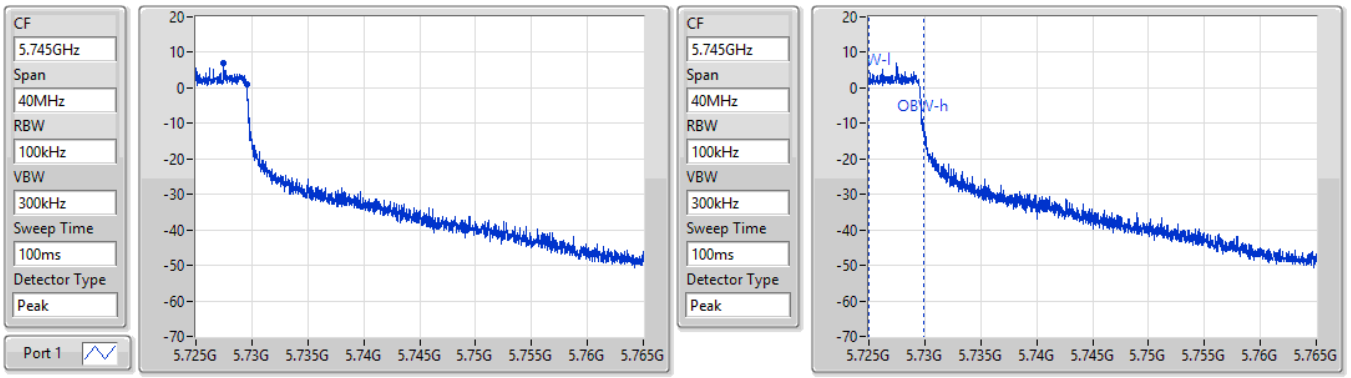



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.305M | 5.708695G | 5.725G | 14.603M | 5.71033G | 5.724933G | Inf | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

### 5720MHz Straddle 5.725-5.85GHz

11/02/2022

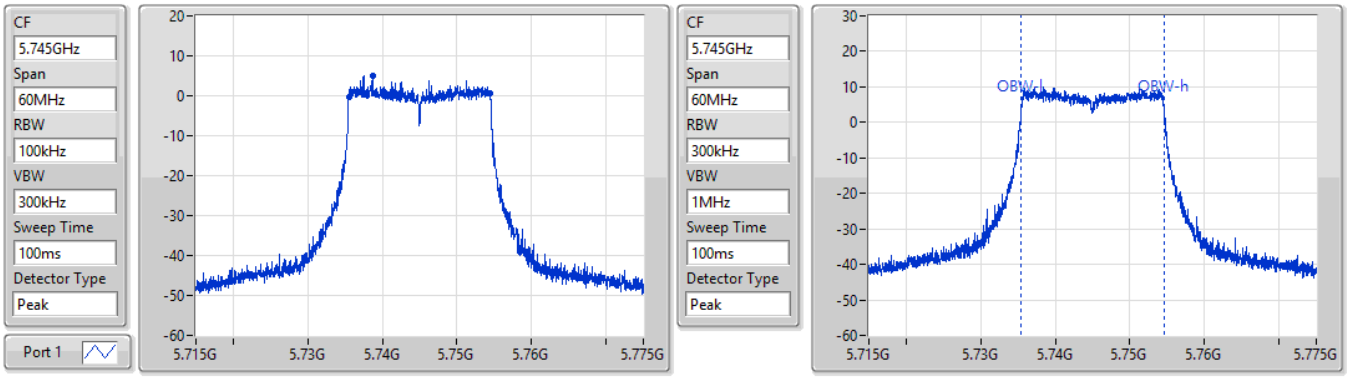



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 4.52M | 5.725G | 5.72952G | 4.818M | 5.72503G | 5.729848G | 500k | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

### 5745MHz

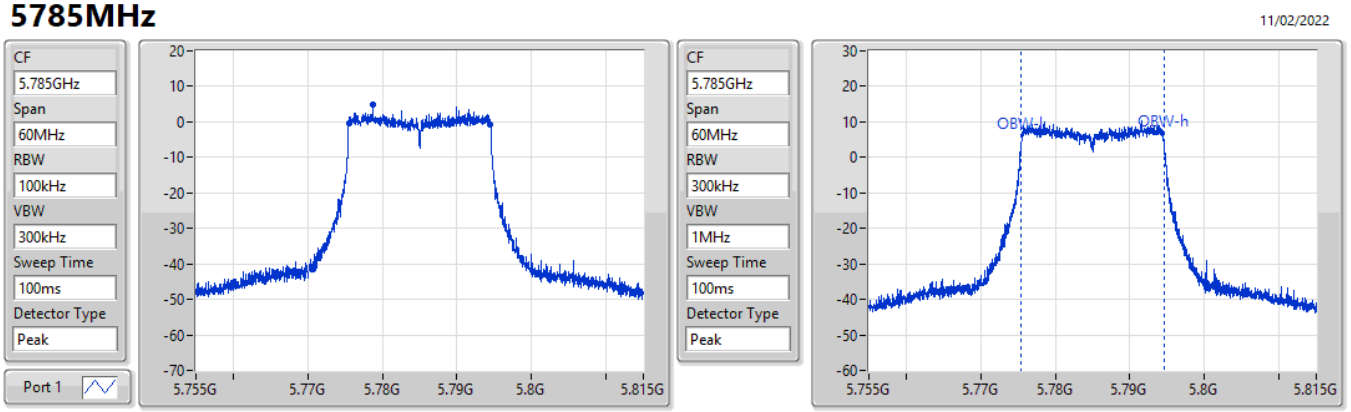
11/02/2022




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.02M | 5.73549G | 5.75451G | 19.13M | 5.735435G | 5.754565G | 500k | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

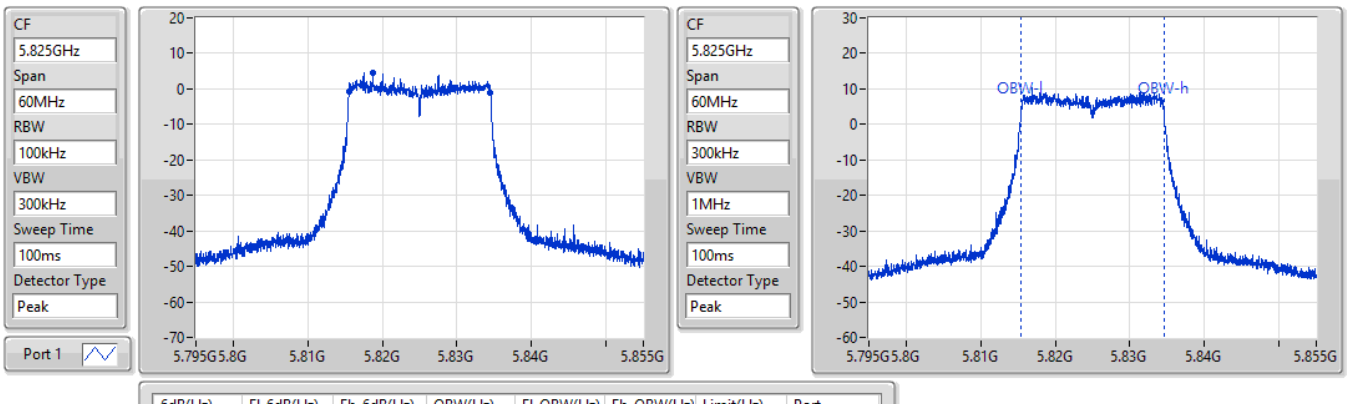
### 5785MHz




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.02M | 5.77549G | 5.79451G | 19.16M | 5.775435G | 5.794595G | 500k | 1 |

## 802.11ax HEW20_Nss1,(MCS0)_1TX EBW

### 5825MHz

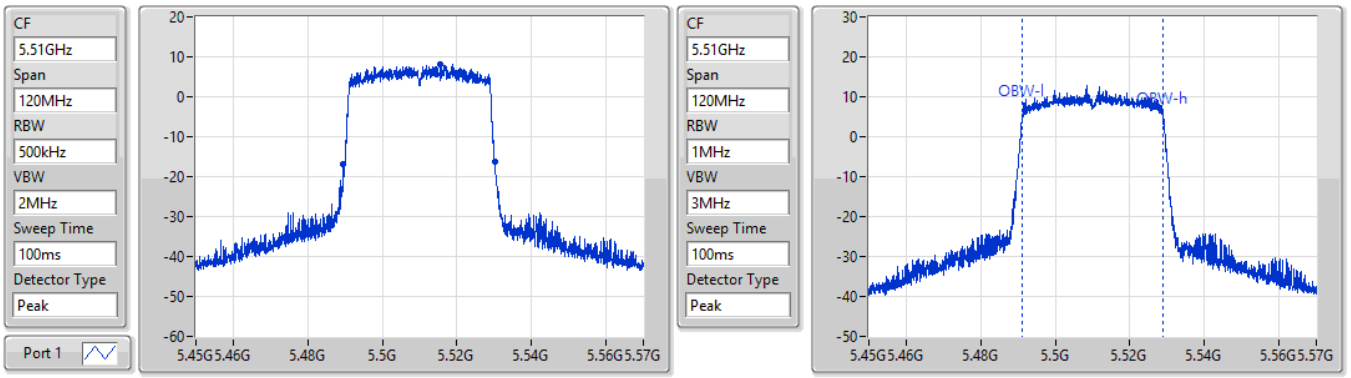



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.99M | 5.81552G | 5.83451G | 19.13M | 5.815435G | 5.834565G | 500k | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

### 5510MHz

11/02/2022

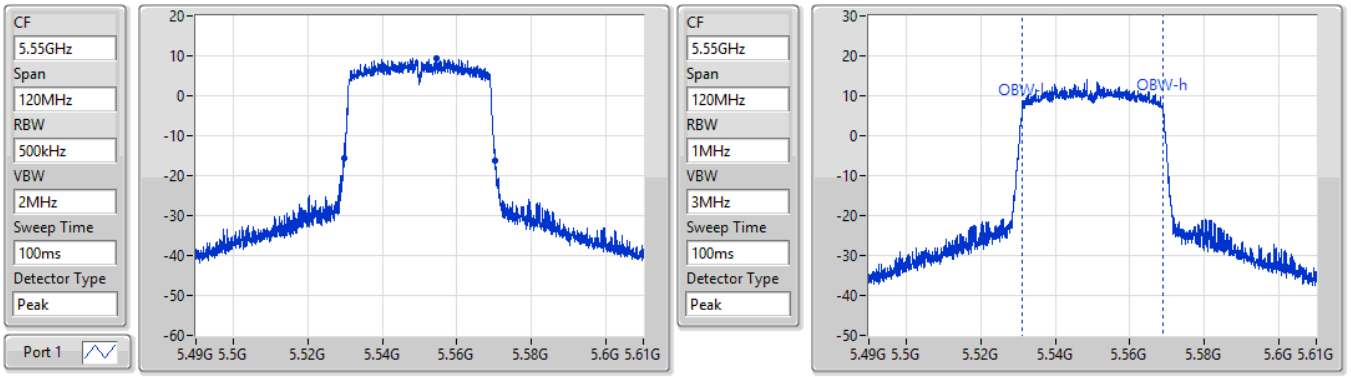



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.74M | 5.48954G | 5.53028G | 37.841M | 5.491109G | 5.528951G | Inf | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

### 5550MHz

11/02/2022

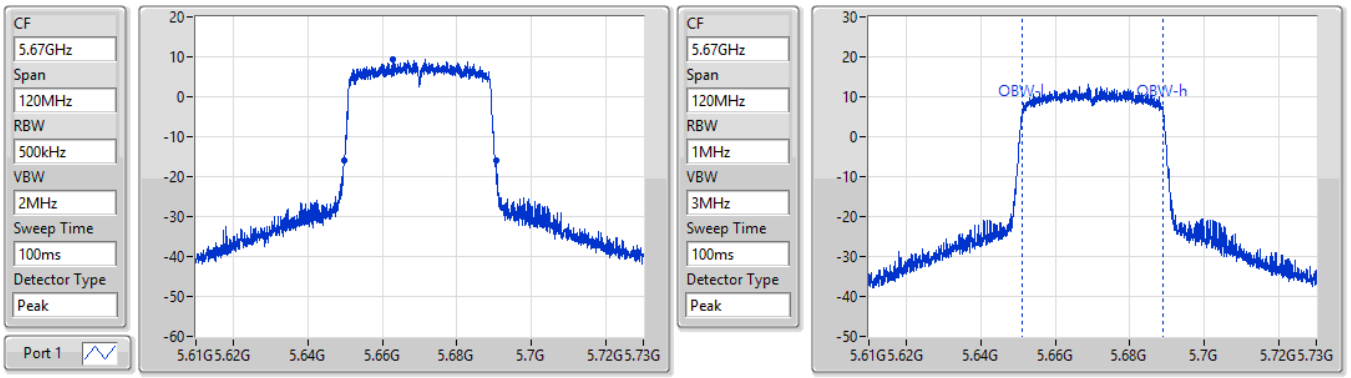



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.56M | 5.52966G | 5.57022G | 37.781M | 5.531109G | 5.568891G | Inf | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

### 5670MHz

11/02/2022

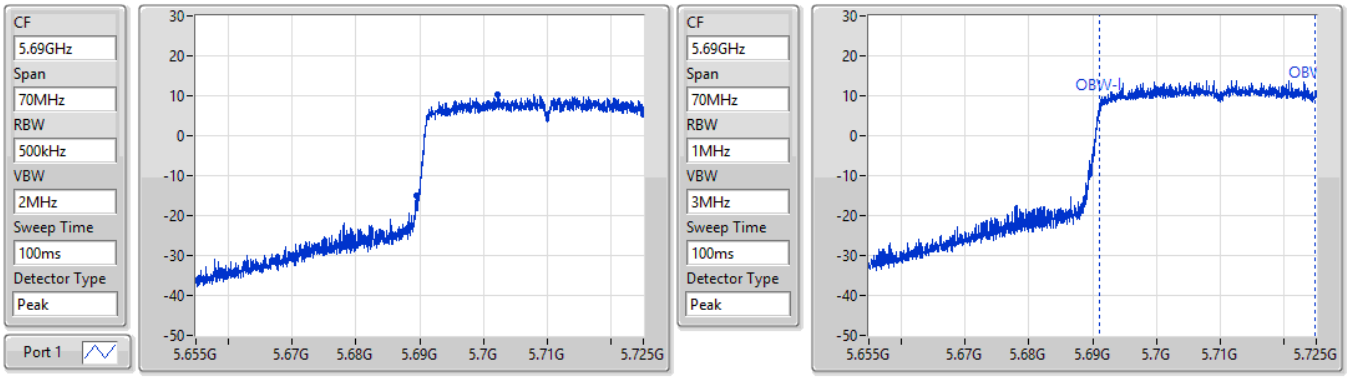



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.56M | 5.64984G | 5.6904G | 37.841M | 5.651109G | 5.688951G | Inf | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

### 5710MHz Straddle 5.47-5.725GHz

11/02/2022

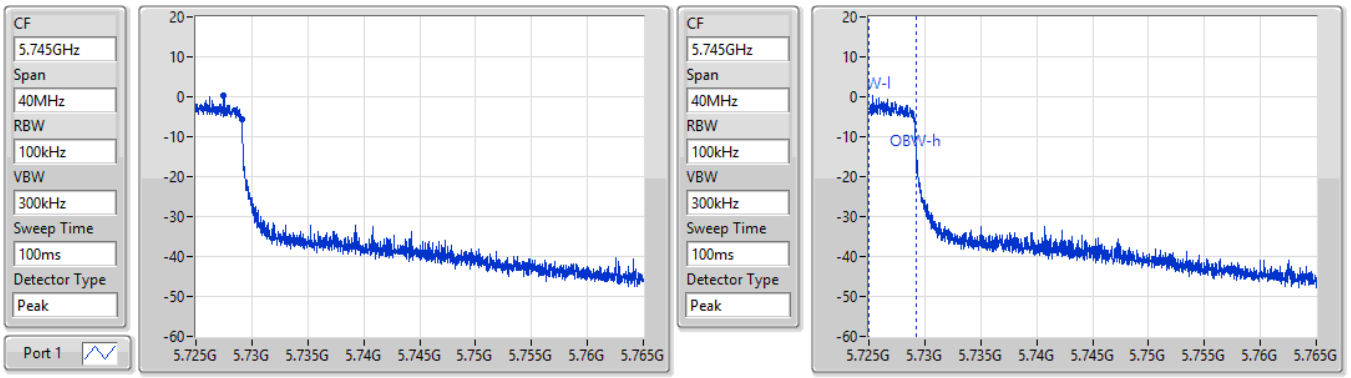



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 35.525M | 5.689475G | 5.725G | 33.793M | 5.691014G | 5.724808G | Inf | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

### 5710MHz Straddle 5.725-5.85GHz

11/02/2022

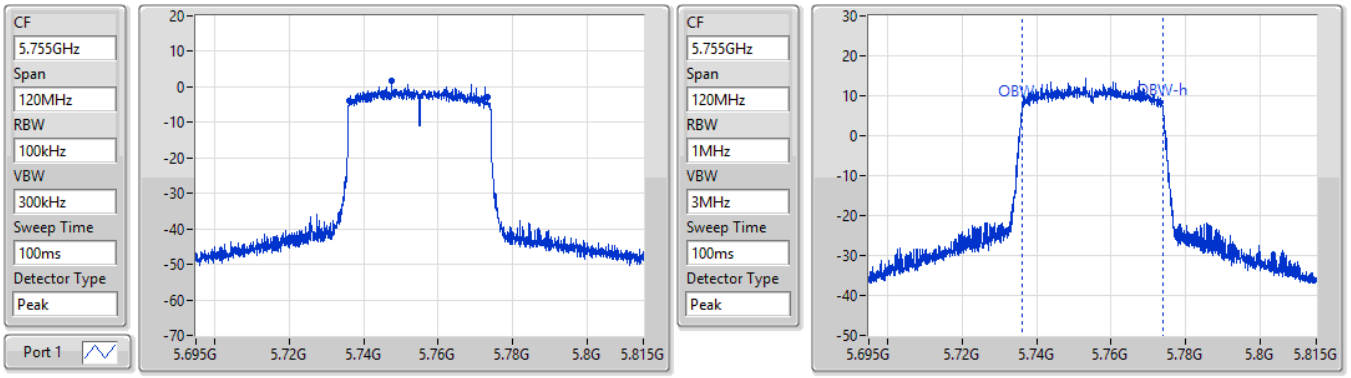



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 4.08M | 5.725G | 5.72908G | 4.258M | 5.72501G | 5.729268G | 500k | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

### 5755MHz

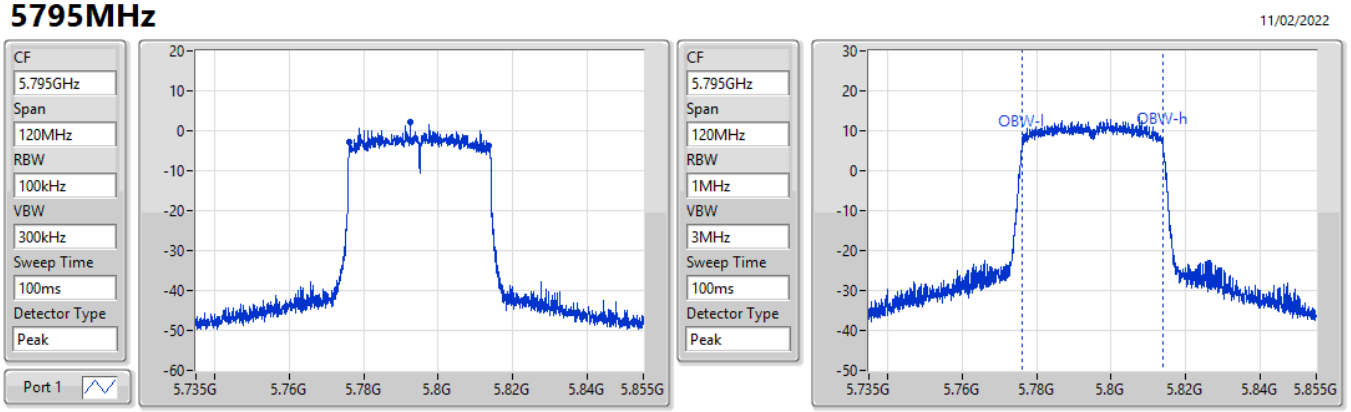
11/02/2022




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 37.02M | 5.73622G | 5.77324G | 37.841M | 5.736049G | 5.773891G | 500k | 1 |

## 802.11ax HEW40_Nss1,(MCS0)_1TX EBW

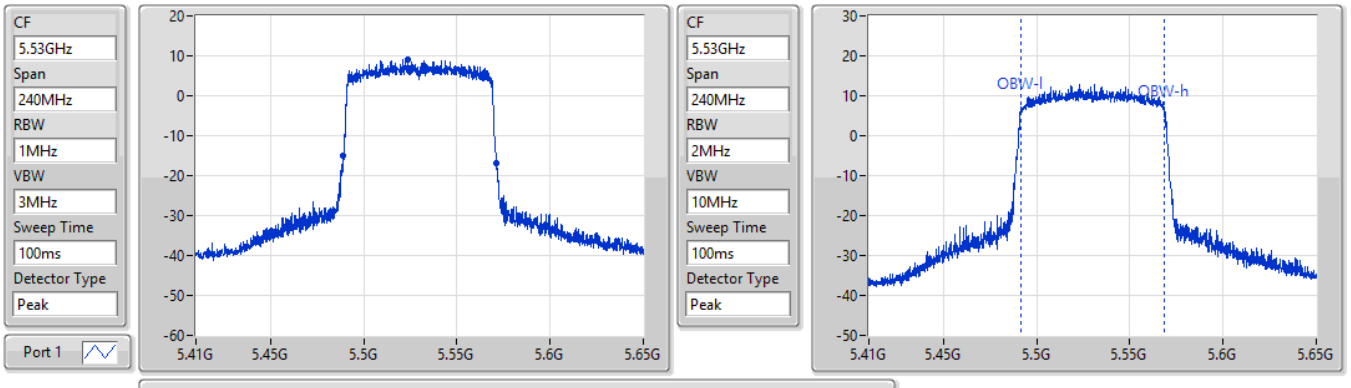
### 5795MHz




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 37.32M | 5.77622G | 5.81354G | 37.841M | 5.776109G | 5.813951G | 500k | 1 |

## 802.11ax HEW80_Nss1,(MCS0)_1TX EBW

### 5530MHz

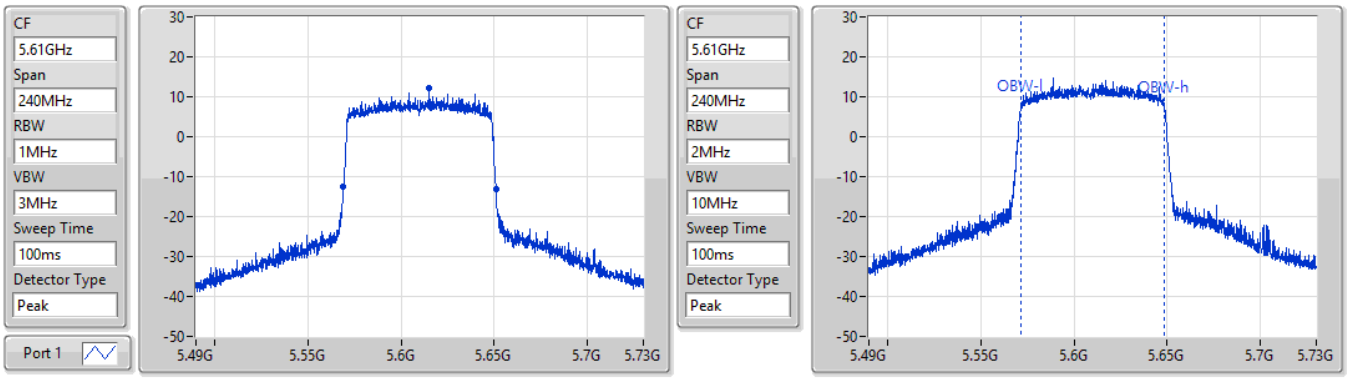



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 81.84M | 5.4892G | 5.57104G | 77.361M | 5.491259G | 5.568621G | Inf | 1 |

## 802.11ax HEW80_Nss1,(MCS0)_1TX EBW

### 5610MHz

11/02/2022

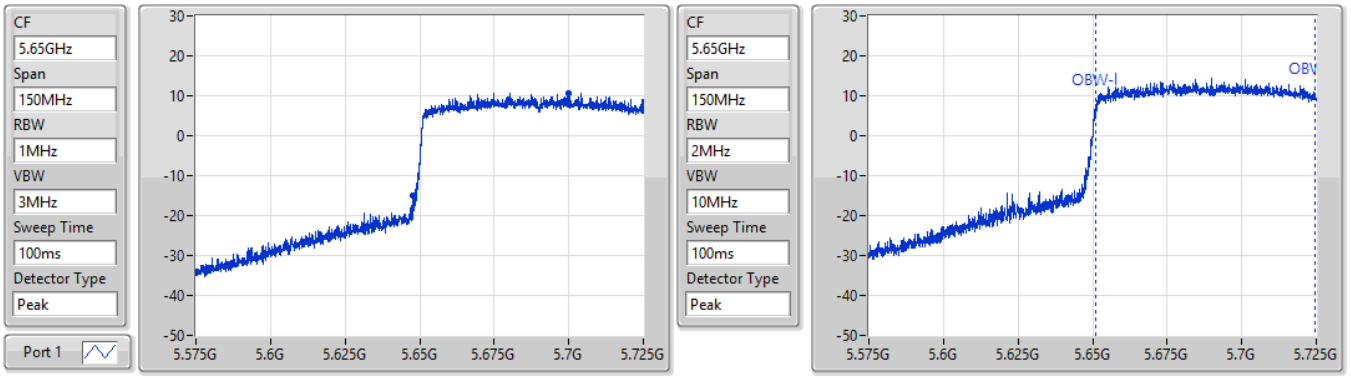



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 81.72M | 5.5692G | 5.65092G | 77.361M | 5.571379G | 5.648741G | Inf | 1 |

## 802.11ax HEW80_Nss1,(MCS0)_1TX EBW

### 5690MHz Straddle 5.47-5.725GHz

11/02/2022

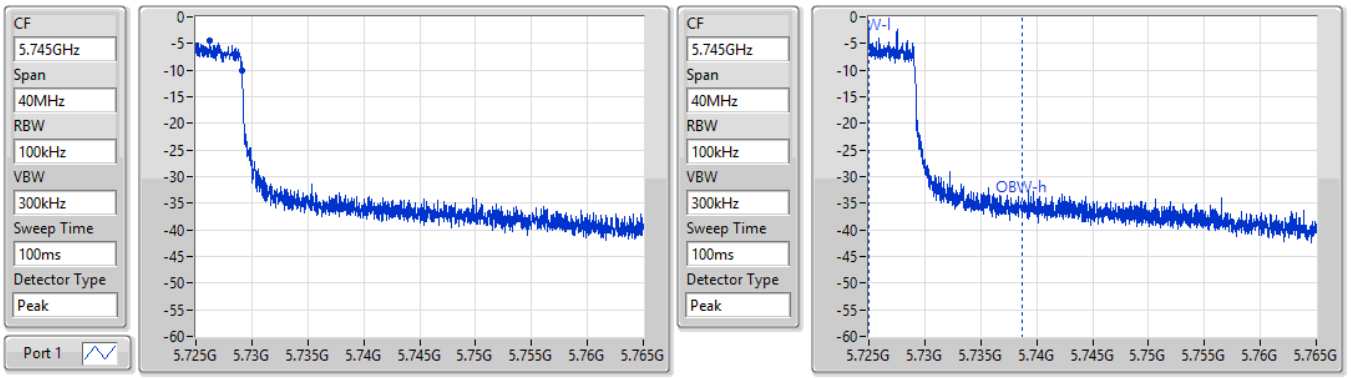



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 77.1M | 5.6479G | 5.725G | 73.313M | 5.651199G | 5.724513G | Inf | 1 |

## 802.11ax HEW80_Nss1,(MCS0)_1TX EBW

### 5690MHz Straddle 5.725-5.85GHz

11/02/2022

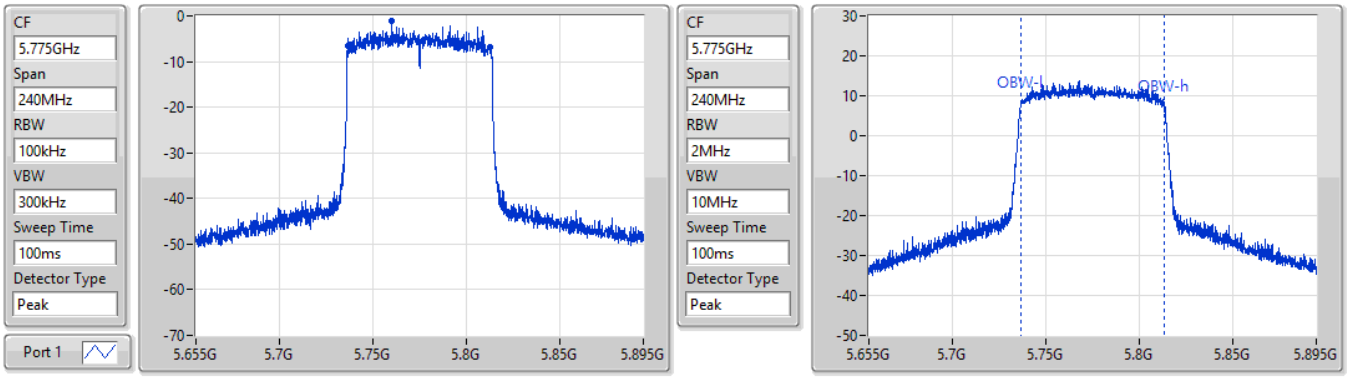



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 4.12M | 5.725G | 5.72912G | 13.653M | 5.72501G | 5.738663G | 500k | 1 |

## 802.11ax HEW80_Nss1,(MCS0)_1TX EBW

### 5775MHz

11/02/2022

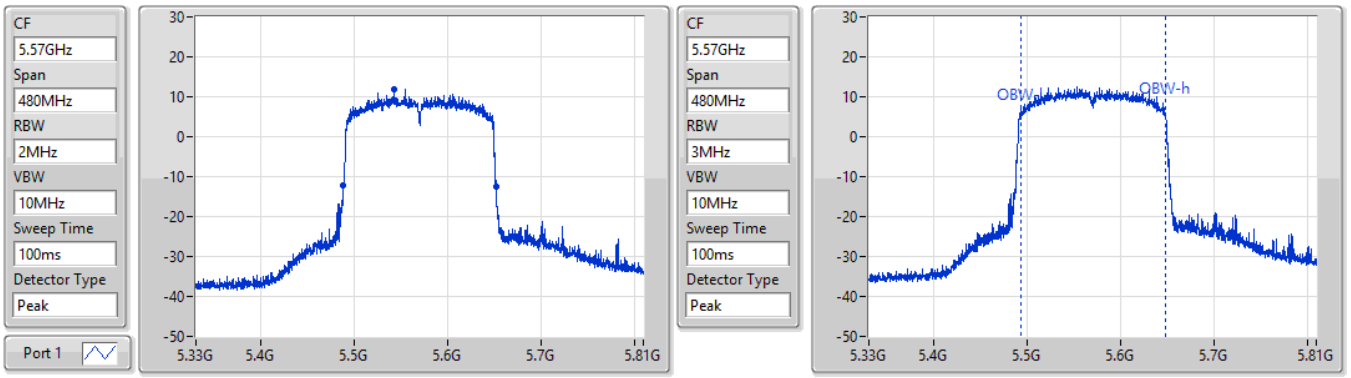



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 76.44M | 5.73624G | 5.81268G | 77.361M | 5.736259G | 5.813621G | 500k | 1 |

**802.11ax HEW160_Nss1,(MCS0)_1TX** **EBW**

**5570MHz**

11/02/2022




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 164.16M | 5.48816G | 5.65232G | 155.202M | 5.492519G | 5.647721G | Inf | 1 |

## Summary

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---|---|---|---|---|---|
| 5.47-5.725GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 20.7M | 16.762M | 16M8D1D | 15.33M | 13.343M |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 22.29M | 19.16M | 19M2D1D | 16.56M | 14.573M |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 40.62M | 37.841M | 37M8D1D | 35.315M | 33.758M |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 82.56M | 77.361M | 77M4D1D | 76.2M | 73.163M |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | 164.4M | 155.202M | 155MD1D | 163.68M | 154.723M |
| 5.725-5.85GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 16.35M | 16.672M | 16M7D1D | 3.16M | 3.798M |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 19.11M | 19.13M | 19M1D1D | 4.48M | 4.738M |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 37.86M | 37.841M | 37M8D1D | 3.98M | 4.238M |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 77.04M | 77.481M | 77M5D1D | 4.04M | 9.855M |

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

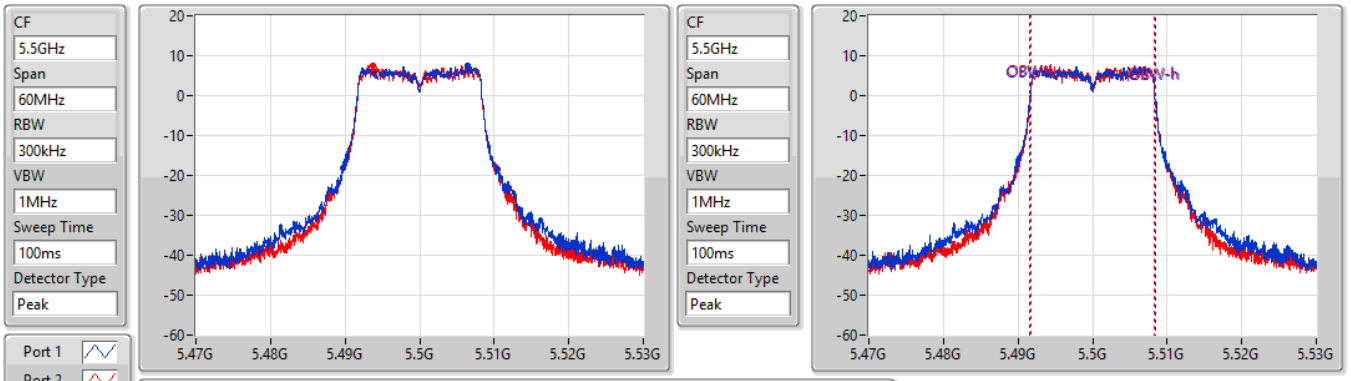
| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) |
|---|---|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | - | - | - | - | - | - |
| 5500MHz | Pass | Inf | 20.7M | 16.762M | 20.7M | 16.612M |
| 5580MHz | Pass | Inf | 20.28M | 16.702M | 20.61M | 16.582M |
| 5700MHz | Pass | Inf | 20.64M | 16.702M | 20.46M | 16.612M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 15.33M | 13.418M | 15.36M | 13.343M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.16M | 3.958M | 3.18M | 3.798M |
| 5745MHz | Pass | 500k | 16.35M | 16.672M | 16.35M | 16.612M |
| 5785MHz | Pass | 500k | 16.35M | 16.672M | 16.35M | 16.612M |
| 5825MHz | Pass | 500k | 16.35M | 16.672M | 16.35M | 16.582M |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5500MHz | Pass | Inf | 22.2M | 19.1M | 21.96M | 19.1M |
| 5580MHz | Pass | Inf | 22.08M | 19.16M | 21.99M | 19.1M |
| 5700MHz | Pass | Inf | 22.29M | 19.13M | 22.14M | 19.13M |
| 5720MHz Straddle 5.47-5.725GHz | Pass | Inf | 16.56M | 14.603M | 16.89M | 14.573M |
| 5720MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.48M | 4.798M | 4.54M | 4.738M |
| 5745MHz | Pass | 500k | 18.96M | 19.1M | 18.99M | 19.1M |
| 5785MHz | Pass | 500k | 19.11M | 19.1M | 18.93M | 19.1M |
| 5825MHz | Pass | 500k | 18.96M | 19.13M | 18.99M | 19.1M |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5510MHz | Pass | Inf | 40.38M | 37.781M | 40.38M | 37.781M |
| 5550MHz | Pass | Inf | 40.38M | 37.781M | 40.44M | 37.841M |
| 5670MHz | Pass | Inf | 40.38M | 37.841M | 40.62M | 37.841M |
| 5710MHz Straddle 5.47-5.725GHz | Pass | Inf | 35.35M | 33.758M | 35.315M | 33.758M |
| 5710MHz Straddle 5.725-5.85GHz | Pass | 500k | 3.98M | 4.238M | 4.16M | 4.258M |
| 5755MHz | Pass | 500k | 37.56M | 37.841M | 37.86M | 37.781M |
| 5795MHz | Pass | 500k | 37.5M | 37.781M | 37.44M | 37.841M |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5530MHz | Pass | Inf | 81.96M | 77.361M | 82.2M | 77.241M |
| 5610MHz | Pass | Inf | 82.56M | 77.361M | 82.08M | 77.361M |
| 5690MHz Straddle 5.47-5.725GHz | Pass | Inf | 76.2M | 73.313M | 76.875M | 73.163M |
| 5690MHz Straddle 5.725-5.85GHz | Pass | 500k | 4.06M | 13.113M | 4.04M | 9.855M |
| 5775MHz | Pass | 500k | 76.56M | 77.481M | 77.04M | 77.481M |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | - | - | - | - | - | - |
| 5570MHz | Pass | Inf | 163.68M | 155.202M | 164.4M | 154.723M |

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)_2TX EBW

### 5500MHz

13/02/2022

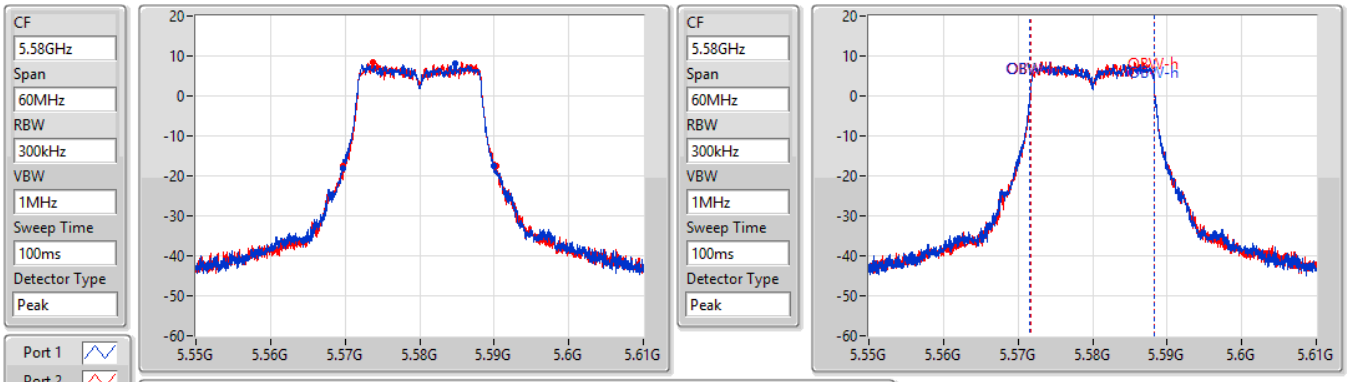



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 20.7M | 5.48968G | 5.51038G | 16.762M | 5.491604G | 5.508366G | Inf | 1 |
| 20.7M | 5.48965G | 5.51035G | 16.612M | 5.491724G | 5.508336G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5580MHz

13/02/2022

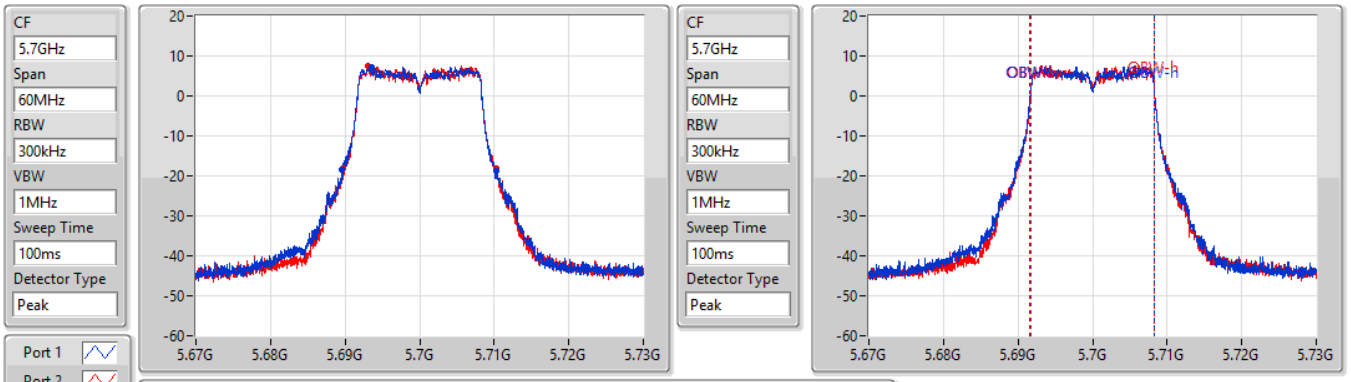



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 20.28M | 5.56965G | 5.58993G | 16.702M | 5.571634G | 5.588336G | Inf | 1 |
| 20.61M | 5.56968G | 5.59029G | 16.582M | 5.571724G | 5.588306G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5700MHz

13/02/2022

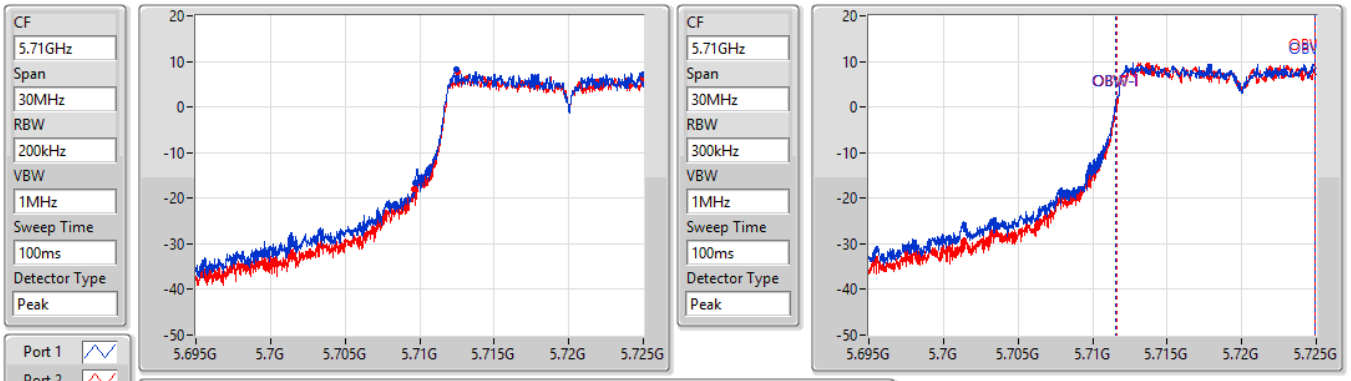



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 20.64M | 5.68962G | 5.71026G | 16.702M | 5.691634G | 5.708336G | Inf | 1 |
| 20.46M | 5.68977G | 5.71023G | 16.612M | 5.691694G | 5.708306G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5720MHz Straddle 5.47-5.725GHz

13/02/2022

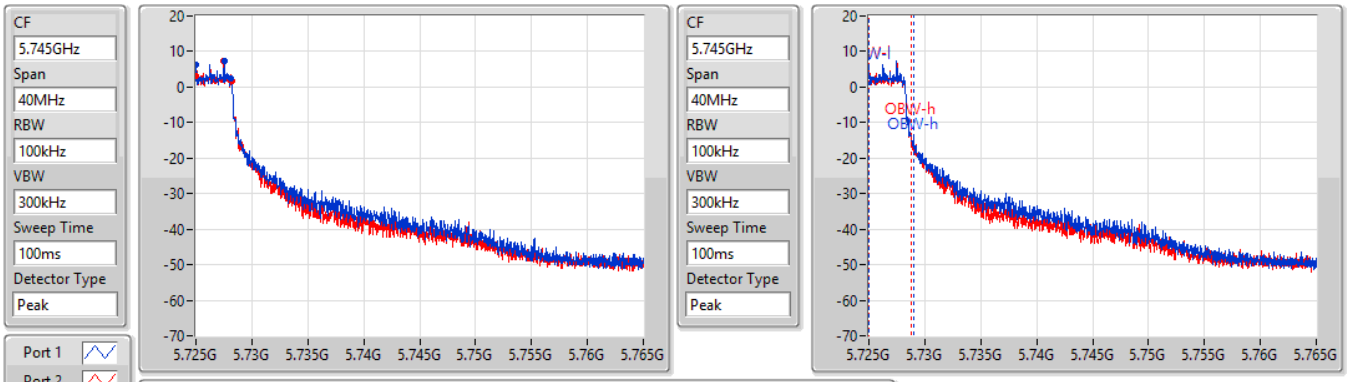



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 15.33M | 5.70967G | 5.725G | 13.418M | 5.711514G | 5.724933G | Inf | 1 |
| 15.36M | 5.70964G | 5.725G | 13.343M | 5.711604G | 5.724948G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5720MHz Straddle 5.725-5.85GHz

13/02/2022

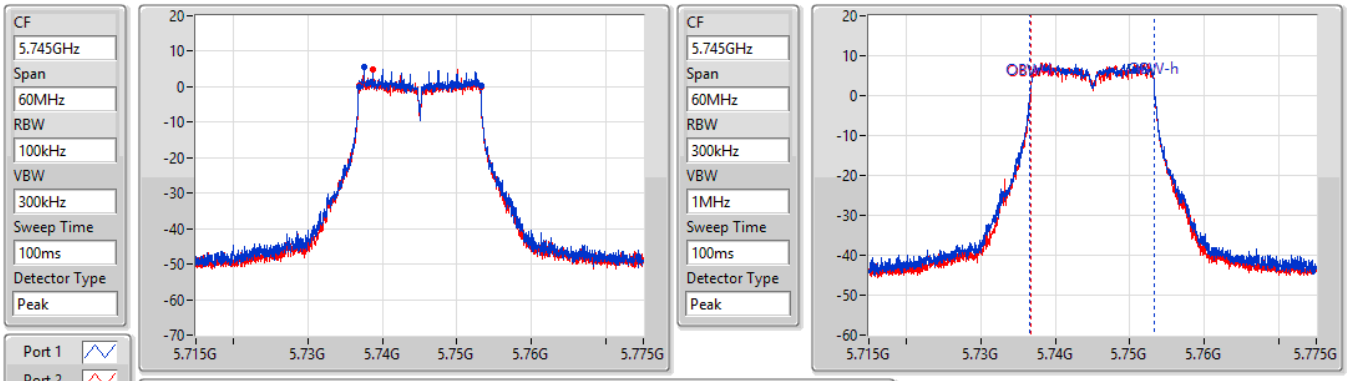



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 3.16M | 5.725G | 5.72816G | 3.958M | 5.72501G | 5.728968G | 500k | 1 |
| 3.18M | 5.725G | 5.72818G | 3.798M | 5.72501G | 5.728808G | 500k | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5745MHz

13/02/2022

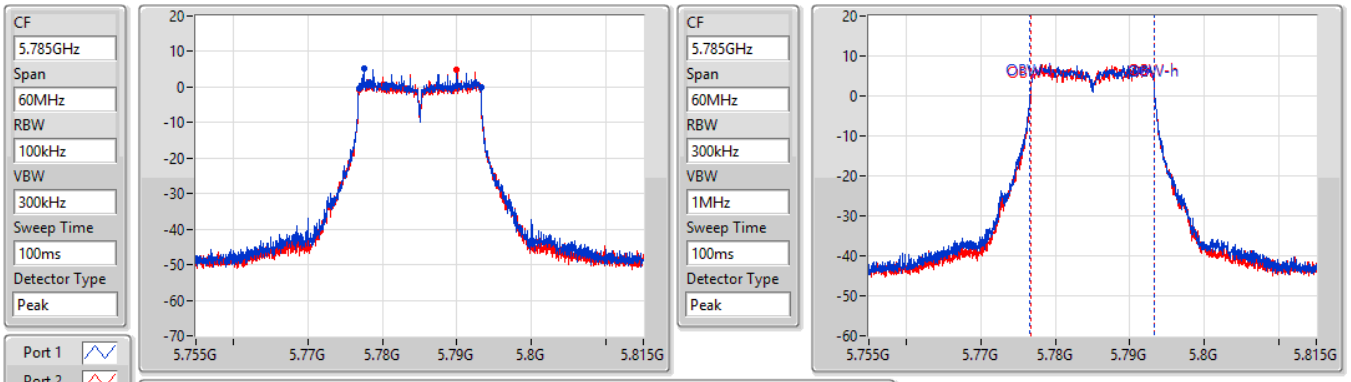



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.35M | 5.73684G | 5.75319G | 16.672M | 5.736634G | 5.753306G | 500k | 1 |
| 16.35M | 5.73684G | 5.75319G | 16.612M | 5.736694G | 5.753306G | 500k | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5785MHz

13/02/2022

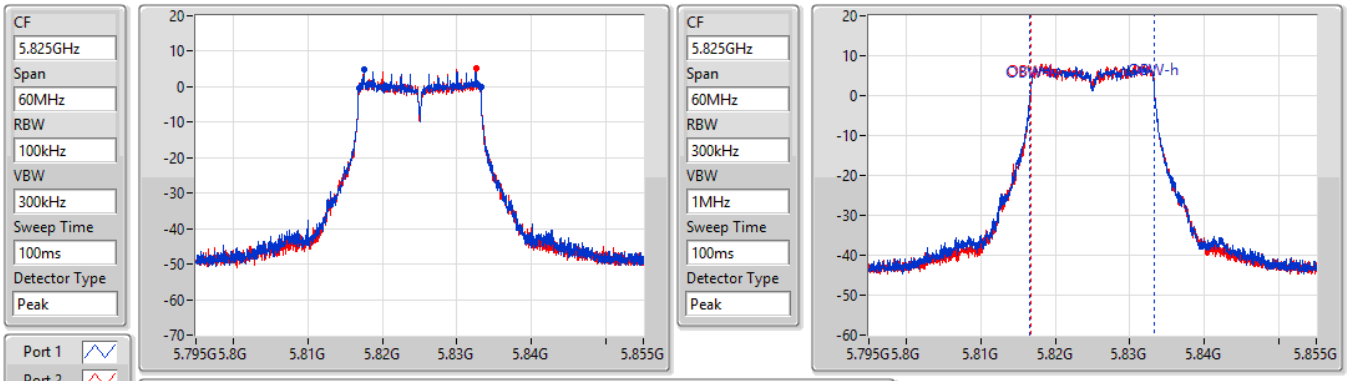



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.35M | 5.77684G | 5.79319G | 16.672M | 5.776634G | 5.793306G | 500k | 1 |
| 16.35M | 5.77684G | 5.79319G | 16.612M | 5.776694G | 5.793306G | 500k | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5825MHz

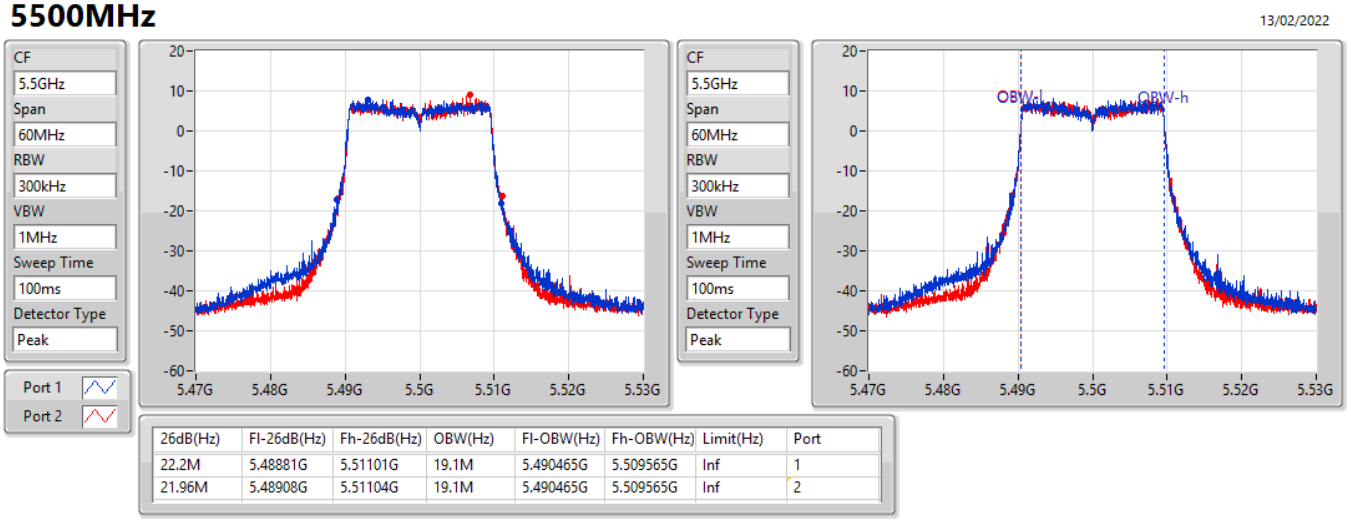
13/02/2022




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.35M | 5.81684G | 5.83319G | 16.672M | 5.816634G | 5.833306G | 500k | 1 |
| 16.35M | 5.81684G | 5.83319G | 16.582M | 5.816724G | 5.833306G | 500k | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

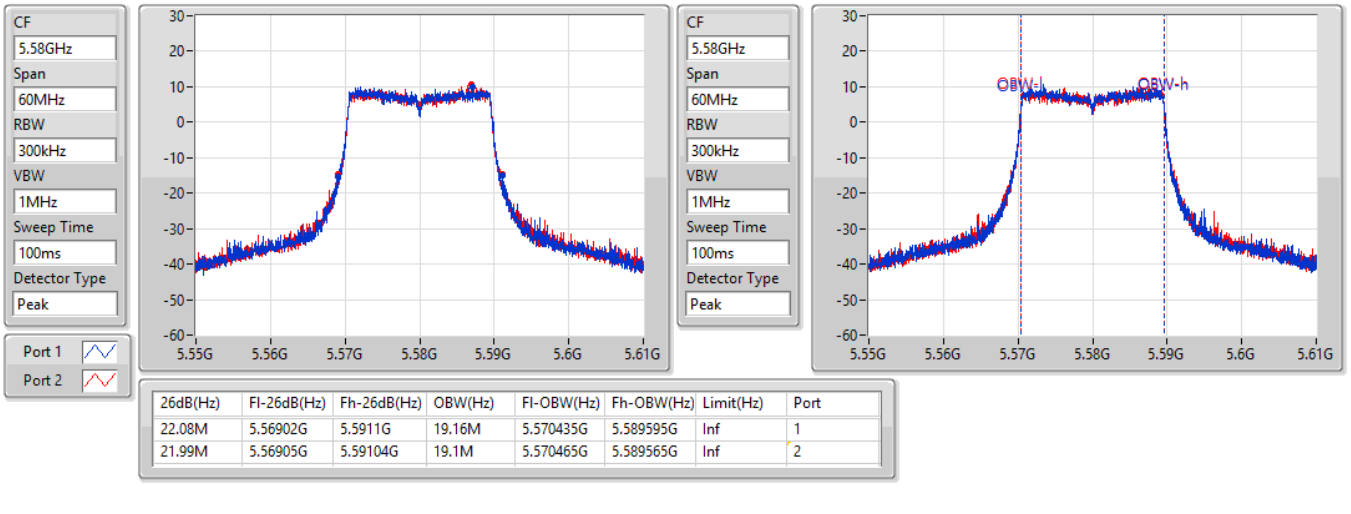
### 5500MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 22.2M | 5.48881G | 5.51101G | 19.1M | 5.490465G | 5.509565G | Inf | 1 |
| 21.96M | 5.48908G | 5.51104G | 19.1M | 5.490465G | 5.509565G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5580MHz

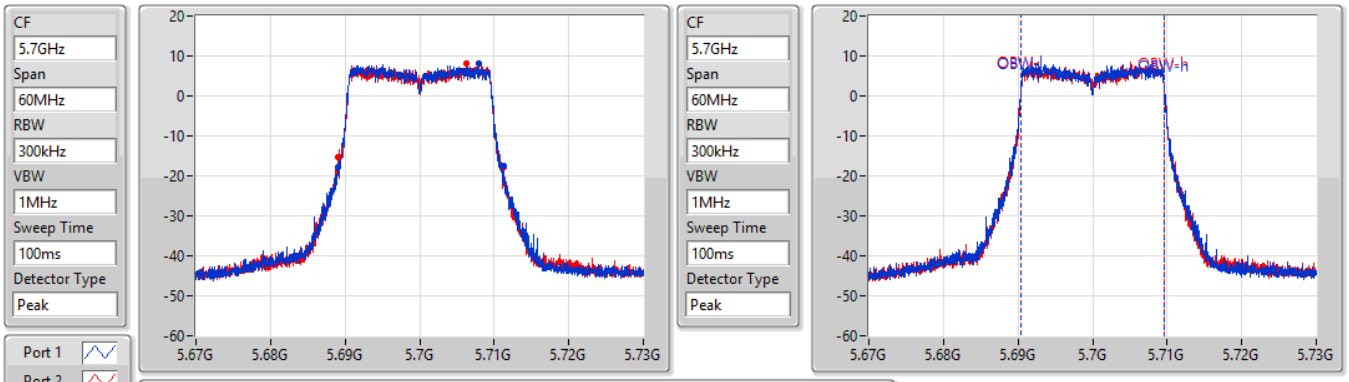



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 22.08M | 5.56902G | 5.5911G | 19.16M | 5.570435G | 5.589595G | Inf | 1 |
| 21.99M | 5.56905G | 5.59104G | 19.1M | 5.570465G | 5.589565G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5700MHz

13/02/2022

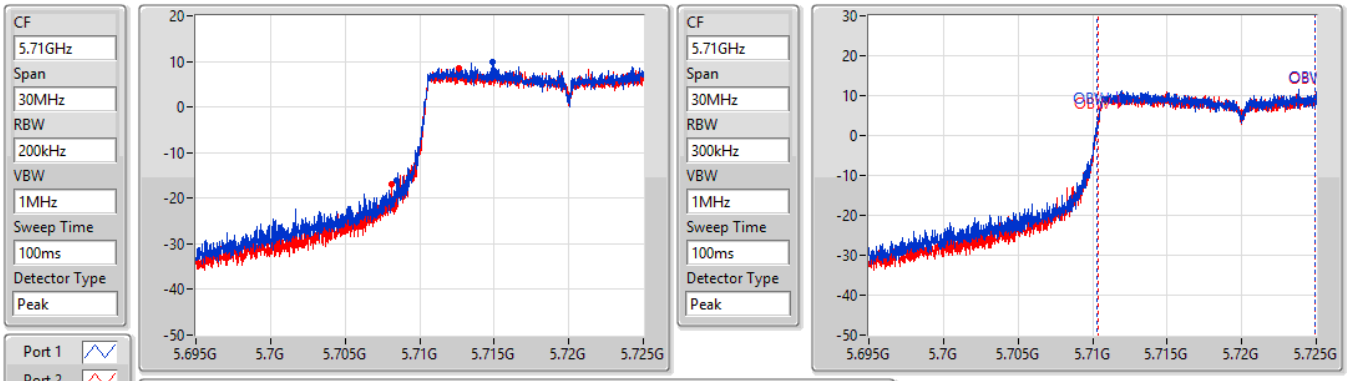



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 22.29M | 5.68902G | 5.71131G | 19.13M | 5.690465G | 5.709595G | Inf | 1 |
| 22.14M | 5.68908G | 5.71122G | 19.13M | 5.690465G | 5.709595G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5720MHz Straddle 5.47-5.725GHz

13/02/2022

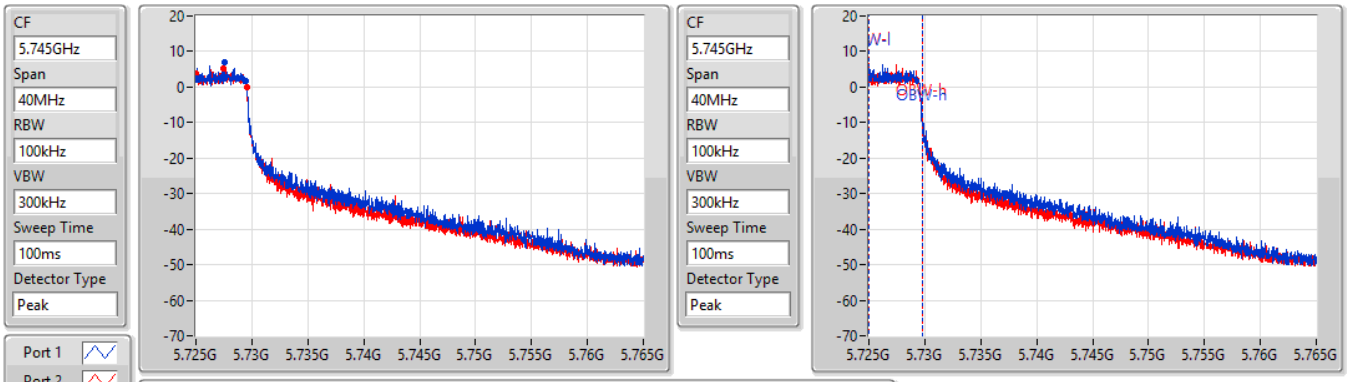



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.56M | 5.70844G | 5.725G | 14.603M | 5.71033G | 5.724933G | Inf | 1 |
| 16.89M | 5.70811G | 5.725G | 14.573M | 5.71036G | 5.724933G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5720MHz Straddle 5.725-5.85GHz

13/02/2022

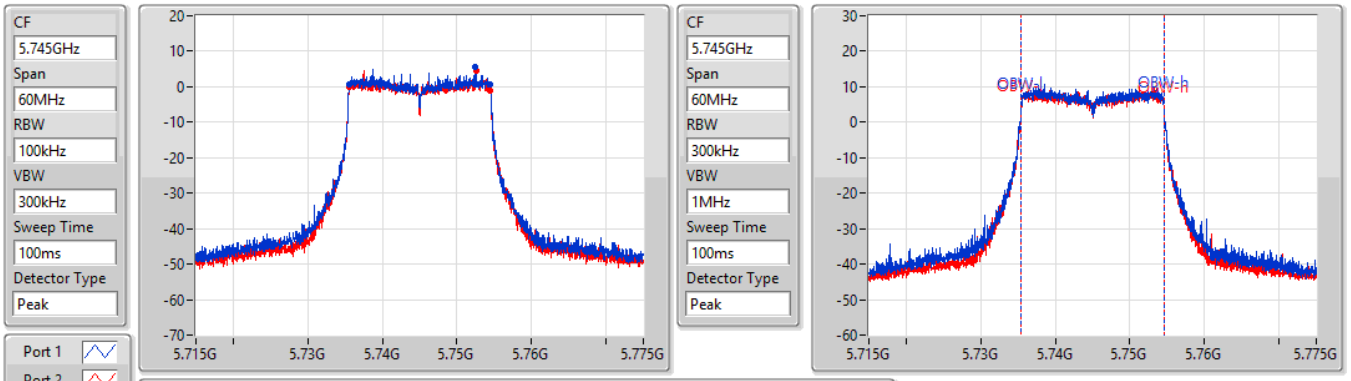



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 4.48M | 5.725G | 5.72948G | 4.798M | 5.72503G | 5.729828G | 500k | 1 |
| 4.54M | 5.725G | 5.72954G | 4.738M | 5.72501G | 5.729748G | 500k | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5745MHz

13/02/2022

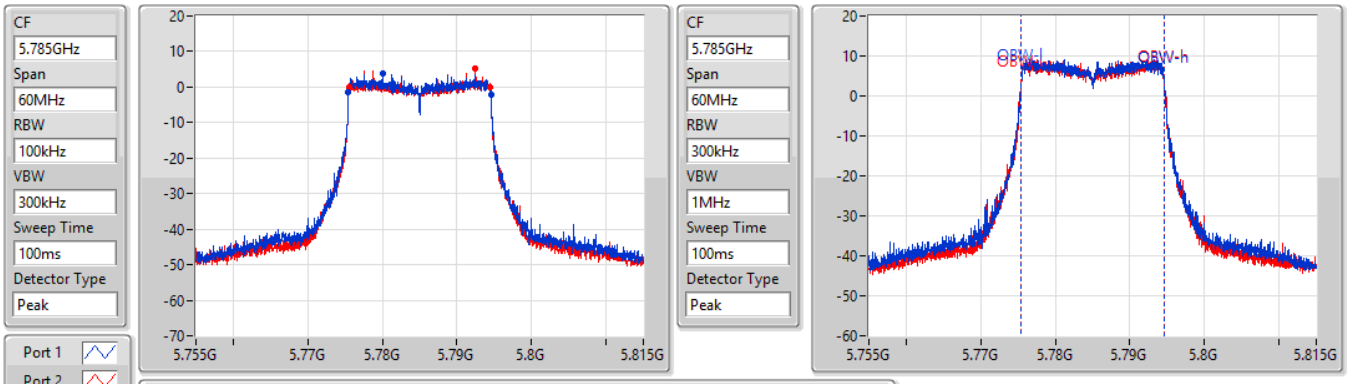



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.96M | 5.73555G | 5.75451G | 19.1M | 5.735435G | 5.754535G | 500k | 1 |
| 18.99M | 5.73552G | 5.75451G | 19.1M | 5.735465G | 5.754565G | 500k | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5785MHz

13/02/2022

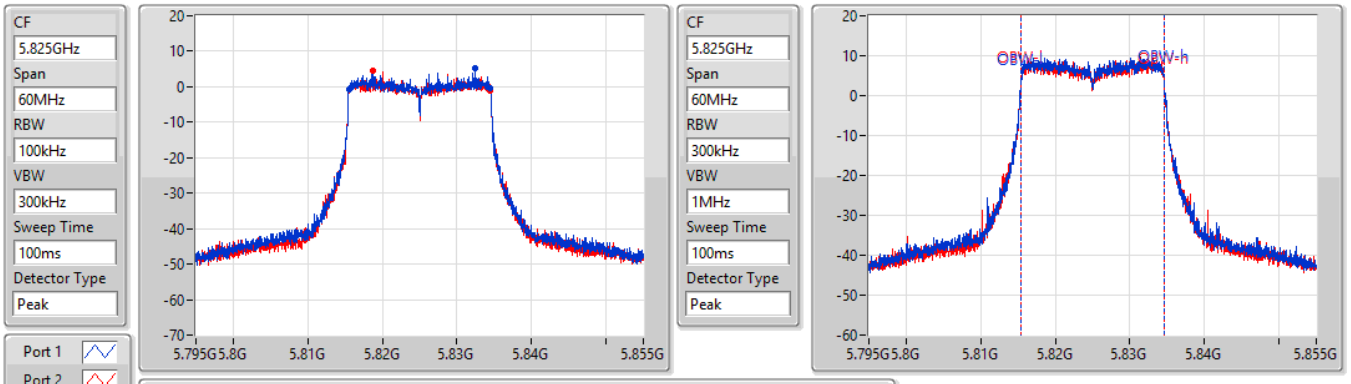



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 19.11M | 5.77546G | 5.79457G | 19.1M | 5.775465G | 5.794565G | 500k | 1 |
| 18.93M | 5.77555G | 5.79448G | 19.1M | 5.775465G | 5.794565G | 500k | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5825MHz

13/02/2022

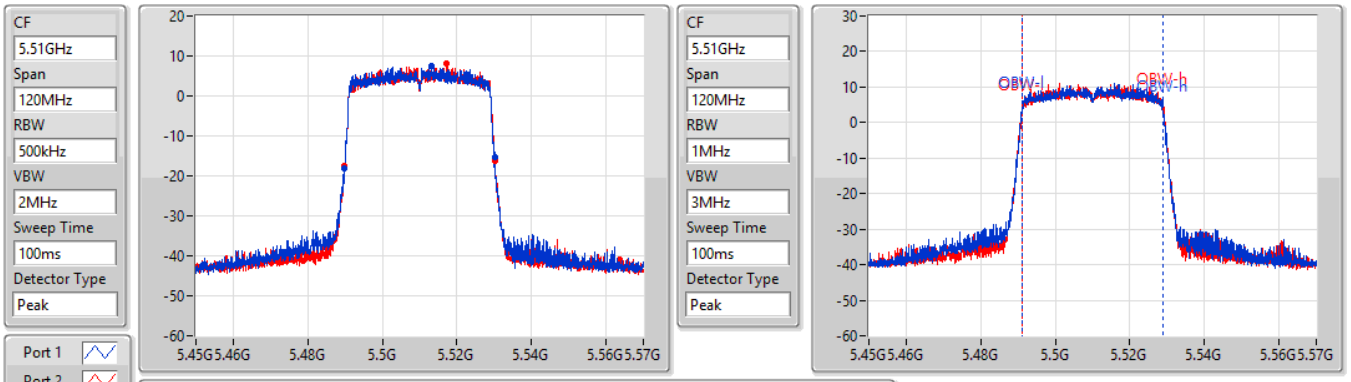



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 18.96M | 5.81555G | 5.83451G | 19.13M | 5.815435G | 5.834565G | 500k | 1 |
| 18.99M | 5.81552G | 5.83451G | 19.1M | 5.815465G | 5.834565G | 500k | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5510MHz

13/02/2022

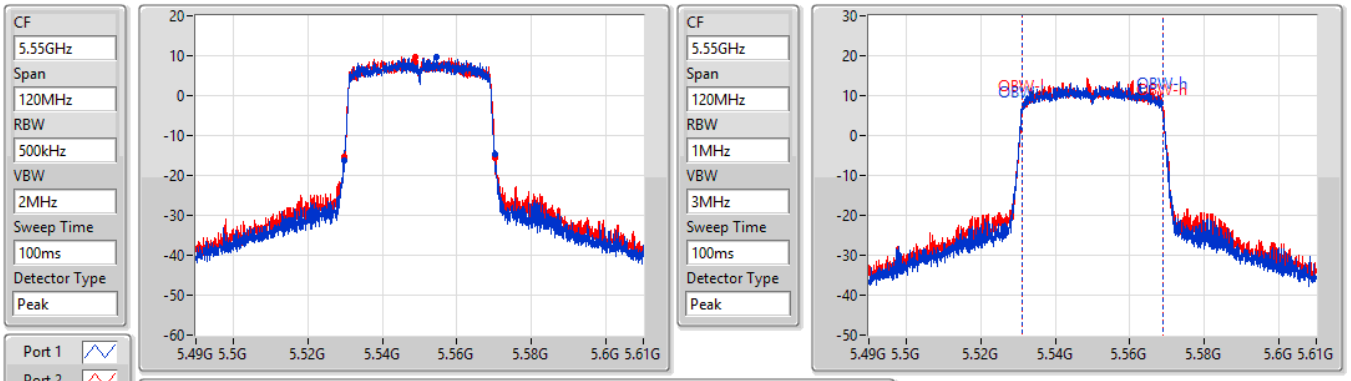



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.38M | 5.48984G | 5.53022G | 37.781M | 5.491109G | 5.528891G | Inf | 1 |
| 40.38M | 5.4899G | 5.53028G | 37.781M | 5.491169G | 5.528951G | Inf | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5550MHz

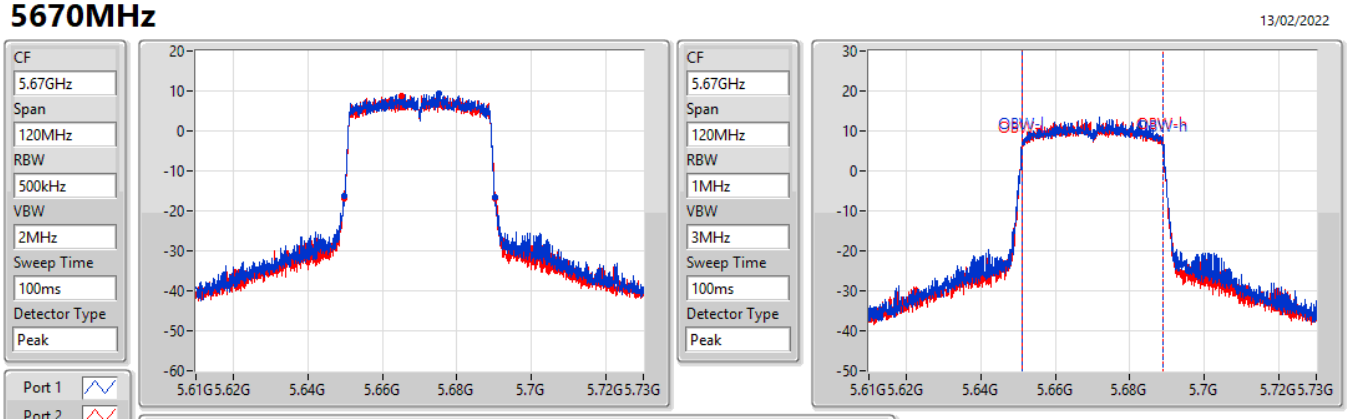
13/02/2022




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.38M | 5.52984G | 5.57022G | 37.781M | 5.531049G | 5.568831G | Inf | 1 |
| 40.44M | 5.52984G | 5.57028G | 37.841M | 5.531109G | 5.568951G | Inf | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

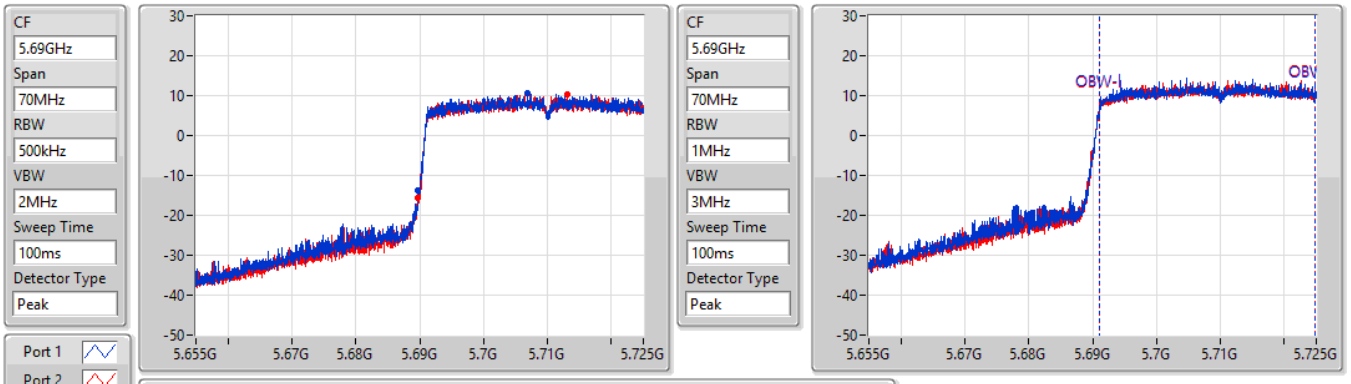
### 5670MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.38M | 5.64984G | 5.69022G | 37.841M | 5.651109G | 5.688951G | Inf | 1 |
| 40.62M | 5.64966G | 5.69028G | 37.841M | 5.651109G | 5.688951G | Inf | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5710MHz Straddle 5.47-5.725GHz

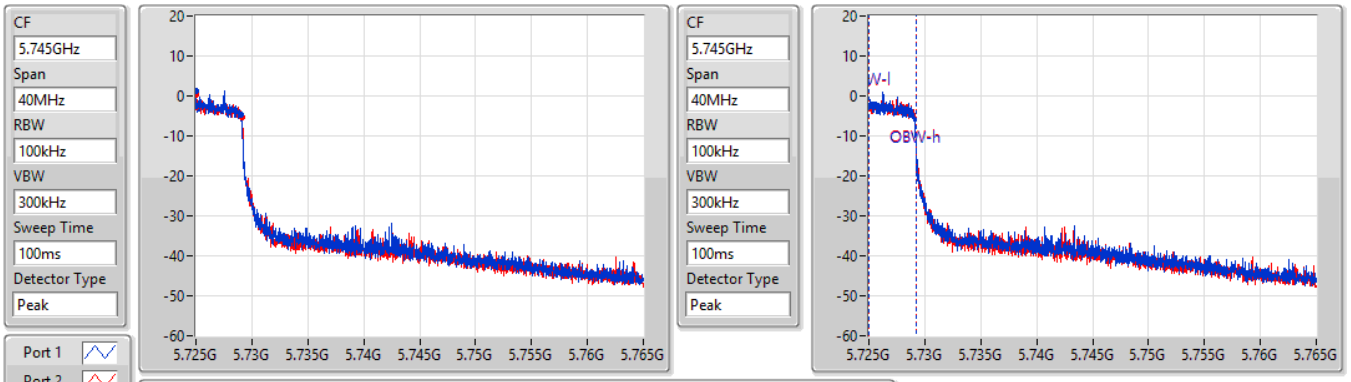



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 35.35M | 5.68965G | 5.725G | 33.758M | 5.691049G | 5.724808G | Inf | 1 |
| 35.315M | 5.689685G | 5.725G | 33.758M | 5.691049G | 5.724808G | Inf | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5710MHz Straddle 5.725-5.85GHz

13/02/2022

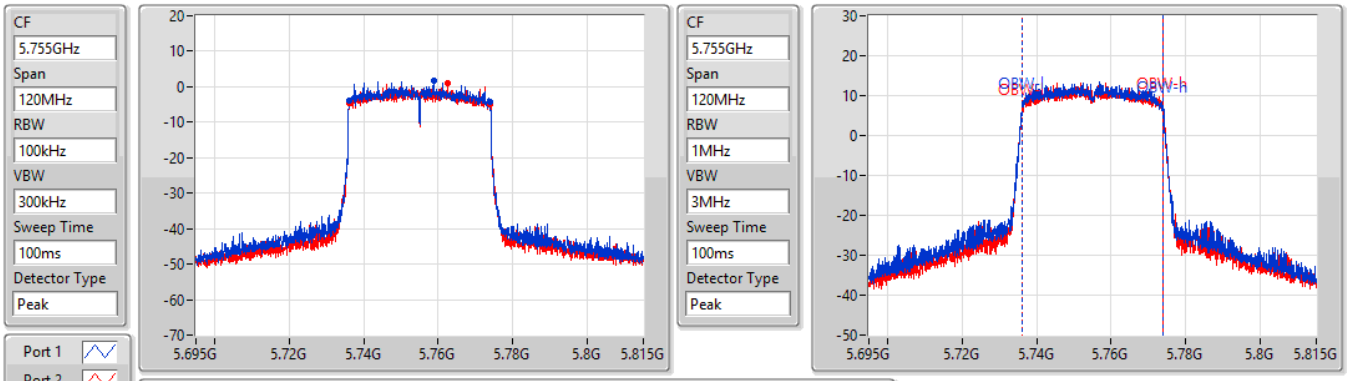



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 3.98M | 5.725G | 5.72898G | 4.238M | 5.72503G | 5.729268G | 500k | 1 |
| 4.16M | 5.725G | 5.72916G | 4.258M | 5.72501G | 5.729268G | 500k | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5755MHz

13/02/2022

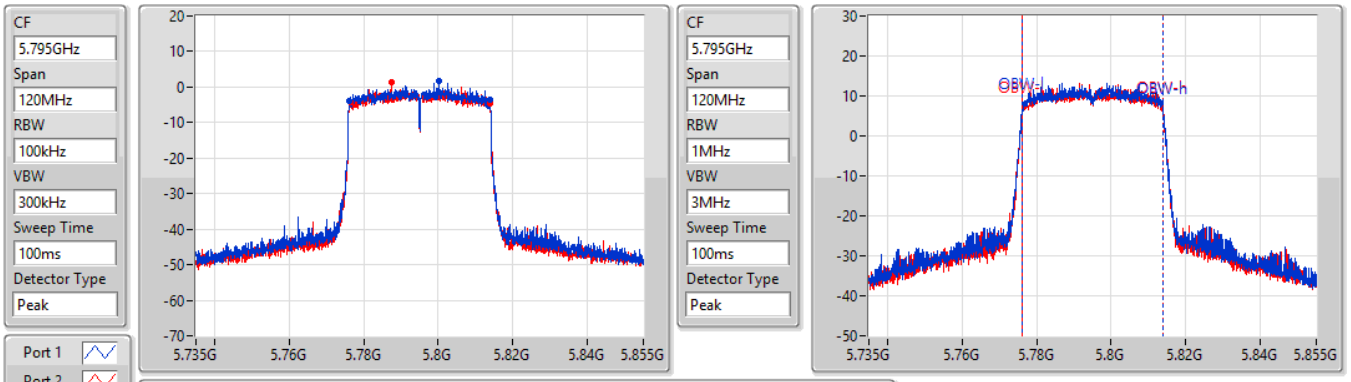



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 37.56M | 5.73616G | 5.77372G | 37.841M | 5.736049G | 5.773891G | 500k | 1 |
| 37.86M | 5.7361G | 5.77396G | 37.781M | 5.736109G | 5.773891G | 500k | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5795MHz

13/02/2022

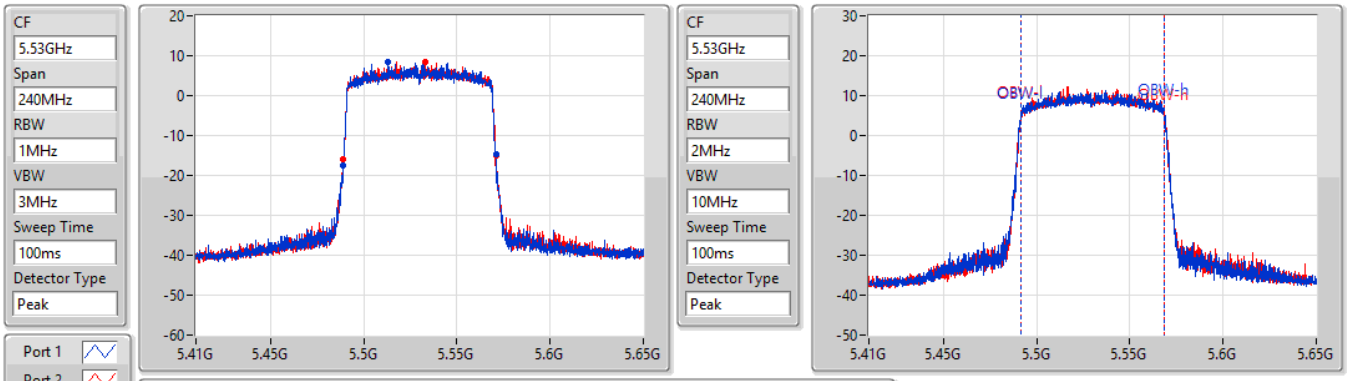



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 37.5M | 5.77622G | 5.81372G | 37.781M | 5.776109G | 5.813891G | 500k | 1 |
| 37.44M | 5.77634G | 5.81378G | 37.841M | 5.776109G | 5.813951G | 500k | 2 |

## 802.11ax HEW80_Nss1,(MCS0)_2TX EBW

### 5530MHz

13/02/2022

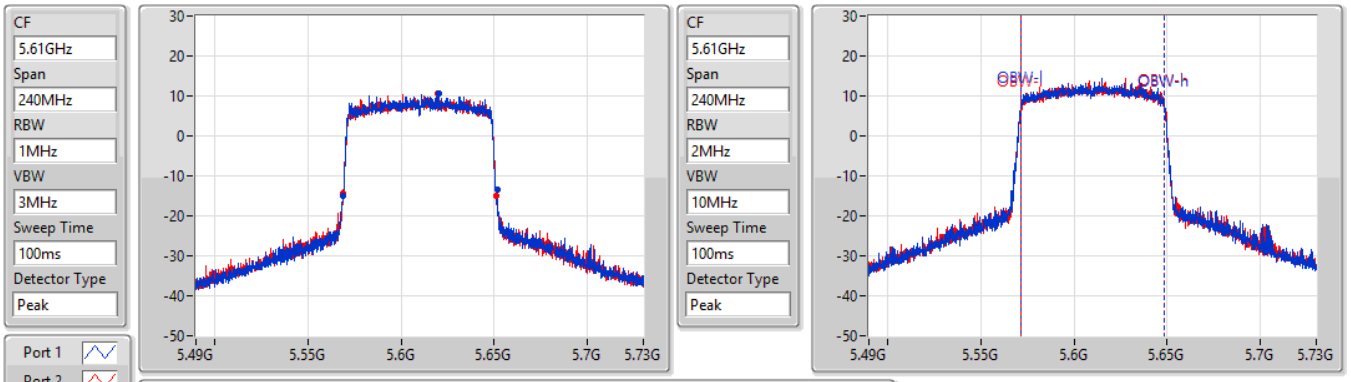



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 81.96M | 5.48884G | 5.5708G | 77.361M | 5.491379G | 5.568741G | Inf | 1 |
| 82.2M | 5.48884G | 5.57104G | 77.241M | 5.491379G | 5.568621G | Inf | 2 |

## 802.11ax HEW80_Nss1,(MCS0)_2TX EBW

### 5610MHz

13/02/2022

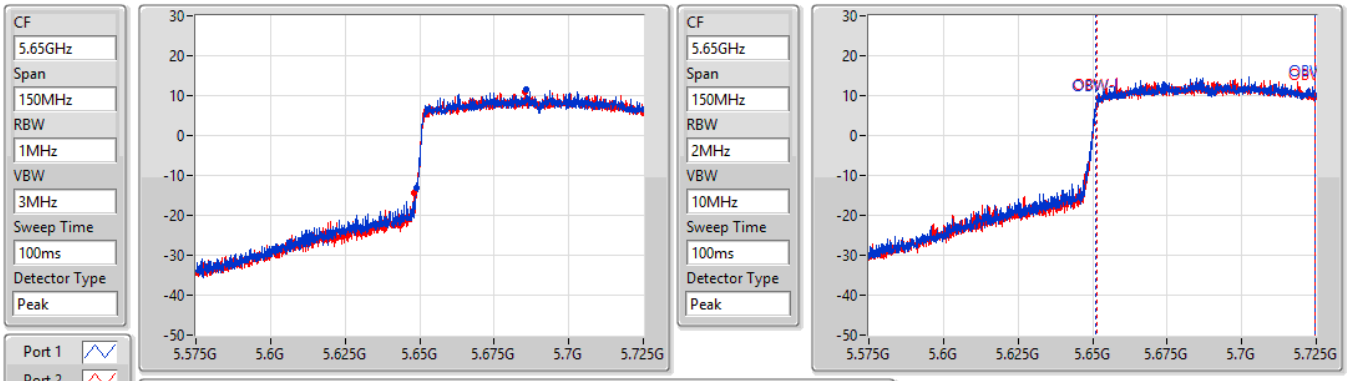



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 82.56M | 5.56908G | 5.65164G | 77.361M | 5.571379G | 5.648741G | Inf | 1 |
| 82.08M | 5.56884G | 5.65092G | 77.361M | 5.571379G | 5.648741G | Inf | 2 |

## 802.11ax HEW80_Nss1,(MCS0)_2TX EBW

### 5690MHz Straddle 5.47-5.725GHz

13/02/2022




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 76.2M | 5.6488G | 5.725G | 73.313M | 5.651199G | 5.724513G | Inf | 1 |
| 76.875M | 5.648125G | 5.725G | 73.163M | 5.651274G | 5.724438G | Inf | 2 |