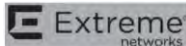


# FCC Radio Test Report

**FCC ID** : QXO-AP3000  
**Equipment** : Access Point  
**Brand Name** :  Extreme Networks  
**Model Name** : AP3000-WW, AP3000X-WW  
**Applicant** : Extreme Networks, Inc.  
2121 RDU Center Drive, Morrisville,  
NC 27560, United States  
**Manufacturer** : Extreme Networks, Inc.  
2121 RDU Center Drive, Morrisville,  
NC 27560, United States  
**Standard** : 47 CFR FCC Part 15.407

The product was received on Apr. 07, 2022, and testing was started from Apr. 25, 2022 and completed on Sep. 12, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

  
Approved by: Jackson Tsai

**SPORTON INTERNATIONAL INC. Hsinhua Laboratory**

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



## Table of Contents

|                                                                                              |           |
|----------------------------------------------------------------------------------------------|-----------|
| <b>History of this test report.....</b>                                                      | <b>3</b>  |
| <b>Summary of Test Result.....</b>                                                           | <b>4</b>  |
| <b>1 General Description .....</b>                                                           | <b>5</b>  |
| 1.1 Information.....                                                                         | 5         |
| 1.2 Applicable Standards .....                                                               | 10        |
| 1.3 Testing Location Information .....                                                       | 10        |
| 1.4 Measurement Uncertainty .....                                                            | 10        |
| <b>2 Test Configuration of EUT.....</b>                                                      | <b>11</b> |
| 2.1 Test Channel Mode .....                                                                  | 11        |
| 2.2 The Worst Case Measurement Configuration .....                                           | 24        |
| 2.3 Accessories .....                                                                        | 25        |
| 2.4 Support Equipment.....                                                                   | 26        |
| 2.5 Test Setup Diagram .....                                                                 | 27        |
| <b>3 Transmitter Test Result .....</b>                                                       | <b>30</b> |
| 3.1 AC Power-line Conducted Emissions .....                                                  | 30        |
| 3.2 Emission Bandwidth .....                                                                 | 32        |
| 3.3 Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) .....                         | 33        |
| 3.4 Peak Power Spectral Density (E.I.R.P.).....                                              | 36        |
| 3.5 Unwanted Emissions.....                                                                  | 39        |
| 3.6 Contention Based Protocol.....                                                           | 45        |
| 3.7 Frequency Stability.....                                                                 | 46        |
| <b>4 Test Equipment and Calibration Data .....</b>                                           | <b>47</b> |
| <b>APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS</b>                         |           |
| <b>APPENDIX B. TEST RESULTS OF EMISSION BANDWIDTH</b>                                        |           |
| <b>APPENDIX C. TEST RESULTS OF MAXIMUM EQUIVALENT ISOTOPICALLY RADIATED POWER (E.I.R.P.)</b> |           |
| <b>APPENDIX D. TEST RESULTS OF PEAK POWER SPECTRAL DENSITY (E.I.R.P.)</b>                    |           |
| <b>APPENDIX E. TEST RESULTS OF UNWANTED EMISSIONS</b>                                        |           |
| <b>APPENDIX F. TEST RESULTS OF CONTENTION-BASED PROTOCOL</b>                                 |           |
| <b>APPENDIX G. TEST RESULTS OF FREQUENCY STABILITY</b>                                       |           |
| <b>APPENDIX H. TEST RESULTS OF RADIATED EMISSION CO-LOCATION</b>                             |           |
| <b>APPENDIX I. TEST PHOTOS</b>                                                               |           |
| <b>PHOTOGRAPHS OF EUT V03</b>                                                                |           |



TEL : 886-3-656-9065  
FAX : 886-3-656-9085  
Report Template No.: HE1-D1-1 Ver2.4  
FCC ID: QXO-AP3000



## Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items                                                 | Result (PASS/FAIL) | Remark |
|---------------|-----------------|------------------------------------------------------------|--------------------|--------|
| 1.1.2         | 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 Equivalent Isotropically Radiated Power (E.I.R.P.) | PASS               | -      |
| 3.4           | 15.407(a)       | Peak Power Spectral Density (E.I.R.P.)                     | PASS               | -      |
| 3.5           | 15.407(b)       | Unwanted Emissions                                         | PASS               | -      |
| 3.6           | 15.407(d)       | Contention-Based Protocol                                  | PASS               | -      |
| 3.7           | 15.407(g)       | Frequency Stability                                        | PASS               | -      |

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

None

**Reviewed by: Barry Hsiao**

**Report Producer: Ann Hou**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
|-----------------------|------------------|---------------------|----------------|
| 5925 ~ 7125           | a, ax (HEW20)    | 5955 ~ 7095         | 1 ~ 229 [59]   |
| 5925 ~ 7125           | ax (HEW40)       | 5965 ~ 7085         | 3 ~ 227 [29]   |
| 5925 ~ 7125           | ax (HEW80)       | 5985 ~ 7025         | 7 ~ 215 [14]   |
| 5925 ~ 7125           | ax (HEW160)      | 6025 ~ 6985         | 15 ~ 207 [7]   |

#### Non-Beamforming

| Band           | Mode           | BWch (MHz) | Nant       |
|----------------|----------------|------------|------------|
| 5.925-6.425GHz | 802.11a        | 20         | 1TX(Port2) |
| 6.425-6.525GHz | 802.11a        | 20         | 1TX(Port2) |
| 6.525-6.875GHz | 802.11a        | 20         | 1TX(Port2) |
| 6.875-7.125GHz | 802.11a        | 20         | 1TX(Port2) |
| 5.925-6.425GHz | 802.11a        | 20         | 2TX        |
| 6.425-6.525GHz | 802.11a        | 20         | 2TX        |
| 6.525-6.875GHz | 802.11a        | 20         | 2TX        |
| 6.875-7.125GHz | 802.11a        | 20         | 2TX        |
| 5.925-6.425GHz | 802.11ax HEW20 | 20         | 1TX(Port2) |
| 6.425-6.525GHz | 802.11ax HEW20 | 20         | 1TX(Port2) |
| 6.525-6.875GHz | 802.11ax HEW20 | 20         | 1TX(Port2) |
| 6.875-7.125GHz | 802.11ax HEW20 | 20         | 1TX(Port2) |
| 5.925-6.425GHz | 802.11ax HEW20 | 20         | 2TX        |
| 6.425-6.525GHz | 802.11ax HEW20 | 20         | 2TX        |
| 6.525-6.875GHz | 802.11ax HEW20 | 20         | 2TX        |
| 6.875-7.125GHz | 802.11ax HEW20 | 20         | 2TX        |
| 5.925-6.425GHz | 802.11ax HEW40 | 40         | 1TX(Port2) |
| 6.425-6.525GHz | 802.11ax HEW40 | 40         | 1TX(Port2) |
| 6.525-6.875GHz | 802.11ax HEW40 | 40         | 1TX(Port2) |
| 6.875-7.125GHz | 802.11ax HEW40 | 40         | 1TX(Port2) |
| 5.925-6.425GHz | 802.11ax HEW40 | 40         | 2TX        |
| 6.425-6.525GHz | 802.11ax HEW40 | 40         | 2TX        |
| 6.525-6.875GHz | 802.11ax HEW40 | 40         | 2TX        |
| 6.875-7.125GHz | 802.11ax HEW40 | 40         | 2TX        |



| Band           | Mode            | BWch (MHz) | Nant       |
|----------------|-----------------|------------|------------|
| 5.925-6.425GHz | 802.11ax HEW80  | 80         | 1TX(Port2) |
| 6.425-6.525GHz | 802.11ax HEW80  | 80         | 1TX(Port2) |
| 6.525-6.875GHz | 802.11ax HEW80  | 80         | 1TX(Port2) |
| 6.875-7.125GHz | 802.11ax HEW80  | 80         | 1TX(Port2) |
| 5.925-6.425GHz | 802.11ax HEW80  | 80         | 2TX        |
| 6.425-6.525GHz | 802.11ax HEW80  | 80         | 2TX        |
| 6.525-6.875GHz | 802.11ax HEW80  | 80         | 2TX        |
| 6.875-7.125GHz | 802.11ax HEW80  | 80         | 2TX        |
| 5.925-6.425GHz | 802.11ax HEW160 | 160        | 1TX(Port2) |
| 6.425-6.525GHz | 802.11ax HEW160 | 160        | 1TX(Port2) |
| 6.525-6.875GHz | 802.11ax HEW160 | 160        | 1TX(Port2) |
| 6.875-7.125GHz | 802.11ax HEW160 | 160        | 1TX(Port2) |
| 5.925-6.425GHz | 802.11ax HEW160 | 160        | 2TX        |
| 6.425-6.525GHz | 802.11ax HEW160 | 160        | 2TX        |
| 6.525-6.875GHz | 802.11ax HEW160 | 160        | 2TX        |
| 6.875-7.125GHz | 802.11ax HEW160 | 160        | 2TX        |

**Beamforming**

| Band           | Mode               | BWch (MHz) | Nant |
|----------------|--------------------|------------|------|
| 5.925-6.425GHz | 802.11ax HEW20-BF  | 20         | 2TX  |
| 6.425-6.525GHz | 802.11ax HEW20-BF  | 20         | 2TX  |
| 6.525-6.875GHz | 802.11ax HEW20-BF  | 20         | 2TX  |
| 6.875-7.125GHz | 802.11ax HEW20-BF  | 20         | 2TX  |
| 5.925-6.425GHz | 802.11ax HEW40-BF  | 40         | 2TX  |
| 6.425-6.525GHz | 802.11ax HEW40-BF  | 40         | 2TX  |
| 6.525-6.875GHz | 802.11ax HEW40-BF  | 40         | 2TX  |
| 6.875-7.125GHz | 802.11ax HEW40-BF  | 40         | 2TX  |
| 5.925-6.425GHz | 802.11ax HEW80-BF  | 80         | 2TX  |
| 6.425-6.525GHz | 802.11ax HEW80-BF  | 80         | 2TX  |
| 6.525-6.875GHz | 802.11ax HEW80-BF  | 80         | 2TX  |
| 6.875-7.125GHz | 802.11ax HEW80-BF  | 80         | 2TX  |
| 5.925-6.425GHz | 802.11ax HEW160-BF | 160        | 2TX  |
| 6.425-6.525GHz | 802.11ax HEW160-BF | 160        | 2TX  |
| 6.525-6.875GHz | 802.11ax HEW160-BF | 160        | 2TX  |
| 6.875-7.125GHz | 802.11ax HEW160-BF | 160        | 2TX  |

**Note:**

- ♦ 11a use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ The channel defined in the IEEE Standard P802.11ax™/D6.1.

**1.1.2 Antenna Information****Internal Antenna (AP3000)**

| Ant. | Port | Brand | Model Name   | Antenna Type | Connector | Gain (dBi) | Remark     |
|------|------|-------|--------------|--------------|-----------|------------|------------|
| 3    | 1    | Senao | 5718A0693300 | PIFA         | I-PEX     | 5.22       | Radio 2_6E |
| 4    | 2    | Senao | 5718A0692300 | PIFA         | I-PEX     | 5.21       | Radio 2_6E |

Note 1: The EUT has two antennas.

**For 6GHz function:**

For IEEE 802.11 a/ax mode (1TX/1RX)

Support diversity function and pre-tested on each single chain, the worst case was Ant. 4(port 2) and it was recorded in this test report.

For IEEE 802.11 a/ax mode (2TX/2RX)

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

**External Antenna (AP3000X)**

| Ant. | Brand | Model Name   | Antenna Type | Connector | Gain (dBi) | Remark     |
|------|-------|--------------|--------------|-----------|------------|------------|
| 8    | AWAN  | 7102A0547000 | Dipole       | I-Pex     | 5.49       | Radio 2_6E |
| 9    | AWAN  | 7102A0546000 | Dipole       | I-Pex     | 5.49       | Radio 2_6E |

Note 1: The EUT has two antennas.

Note 2: The antenna mentioned above will not be sold with the EUT in the market.

**For 6GHz function:**

For IEEE 802.11 a/ax mode (1TX/1RX)

Support diversity function and pre-tested on each single chain, the worst case was Ant. 9 (port 2) and it was recorded in this test report.

For IEEE 802.11 a/ax mode (2TX/2RX)

Ant. 8 and Ant. 9 could transmit/receive simultaneously.



## 1.1.3 EUT Information

| Operational Condition               |                                                                               |                     |                                                      |
|-------------------------------------|-------------------------------------------------------------------------------|---------------------|------------------------------------------------------|
| EUT Power Type                      | From AC Adapter                                                               |                     |                                                      |
| EUT Function                        | <input checked="" type="checkbox"/>                                           | Indoor Access Point | <input type="checkbox"/> Subordinate                 |
|                                     | <input type="checkbox"/>                                                      | Indoor Client       | <input type="checkbox"/> Standard Power Access Point |
|                                     | <input type="checkbox"/>                                                      | Dual Client         | <input type="checkbox"/> Standard Client             |
|                                     | <input type="checkbox"/>                                                      | Fixed Client        |                                                      |
| Beamforming Function                | <input checked="" type="checkbox"/>                                           | With beamforming    | <input type="checkbox"/> Without beamforming         |
| Resource Unit(802.11ax)             | <input checked="" type="checkbox"/>                                           | Full RU             | <input type="checkbox"/> Partial RU                  |
| Type of EUT                         |                                                                               |                     |                                                      |
| <input checked="" type="checkbox"/> | Stand-alone                                                                   |                     |                                                      |
| <input type="checkbox"/>            | Combined (EUT where the radio part is fully integrated within another device) |                     |                                                      |
|                                     | Combined Equipment - Brand Name / Model No.: ...                              |                     |                                                      |
| <input type="checkbox"/>            | Plug-in radio (EUT intended for a variety of host systems)                    |                     |                                                      |
|                                     | Host System - Brand Name / Model No.:                                         |                     |                                                      |
| <input type="checkbox"/>            | Other:                                                                        |                     |                                                      |

Note: The above information was declared by manufacturer.

## 1.1.4 Mode Test Duty Cycle

## Non-Beamforming\_Internal

| Mode                                   | DC    | DCF(dB) | T(s)     | VBW(Hz) $\geq 1/T$ |
|----------------------------------------|-------|---------|----------|--------------------|
| 802.11a_Nss1,(6Mbps)_1TX(Port2)        | 0.946 | 0.24    | 2.064m   | 1k                 |
| 802.11a_Nss1,(6Mbps)_2TX               | 0.946 | 0.24    | 2.064m   | 1k                 |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)  | 0.978 | 0.1     | 1.488m   | 1k                 |
| 802.11ax HEW20_Nss2,(MCS0)_2TX         | 0.978 | 0.1     | 1.488m   | 1k                 |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)  | 0.959 | 0.18    | 780.313u | 3k                 |
| 802.11ax HEW40_Nss2,(MCS0)_2TX         | 0.959 | 0.18    | 780.313u | 3k                 |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)  | 0.925 | 0.34    | 413.125u | 3k                 |
| 802.11ax HEW80_Nss2,(MCS0)_2TX         | 0.925 | 0.34    | 413.125u | 3k                 |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | 0.885 | 0.53    | 236.563u | 10k                |
| 802.11ax HEW160_Nss2,(MCS0)_2TX        | 0.885 | 0.53    | 236.563u | 10k                |

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

**Non-Beamforming\_Dipole**

| Mode                                   | DC    | DCF(dB) | T(s)     | VBW(Hz) $\geq 1/T$ |
|----------------------------------------|-------|---------|----------|--------------------|
| 802.11a_Nss1,(6Mbps)_1TX(Port2)        | 0.946 | 0.24    | 2.064m   | 1k                 |
| 802.11a_Nss1,(6Mbps)_2TX               | 0.946 | 0.24    | 2.064m   | 1k                 |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)  | 0.964 | 0.16    | 788.75u  | 3k                 |
| 802.11ax HEW20_Nss2,(MCS0)_2TX         | 0.964 | 0.16    | 788.75u  | 3k                 |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)  | 0.927 | 0.33    | 425.781u | 3k                 |
| 802.11ax HEW40_Nss2,(MCS0)_2TX         | 0.927 | 0.33    | 425.781u | 3k                 |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)  | 0.885 | 0.53    | 243.75u  | 10k                |
| 802.11ax HEW80_Nss2,(MCS0)_2TX         | 0.885 | 0.53    | 243.75u  | 10k                |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | 0.889 | 0.51    | 237.5u   | 10k                |
| 802.11ax HEW160_Nss2,(MCS0)_2TX        | 0.889 | 0.51    | 237.5u   | 10k                |

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

**Beamforming\_Internal**

| Mode                               | DC    | DCF(dB) | T(s)   | VBW(Hz) $\geq 1/T$ |
|------------------------------------|-------|---------|--------|--------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | 0.93  | 0.32    | 2.926m | 1k                 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | 0.941 | 0.26    | 4.365m | 300                |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | 0.959 | 0.18    | 4.15m  | 300                |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | 0.941 | 0.26    | 5.17m  | 300                |

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

**Beamforming\_Dipole**

| Mode                                   | DC    | DCF(dB) | T(s)     | VBW(Hz) $\geq 1/T$ |
|----------------------------------------|-------|---------|----------|--------------------|
| 802.11a_Nss1,(6Mbps)_1TX(Port2)        | 0.946 | 0.24    | 2.064m   | 1k                 |
| 802.11a_Nss1,(6Mbps)_2TX               | 0.946 | 0.24    | 2.064m   | 1k                 |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)  | 0.964 | 0.16    | 788.75u  | 3k                 |
| 802.11ax HEW20_Nss2,(MCS0)_2TX         | 0.964 | 0.16    | 788.75u  | 3k                 |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)  | 0.927 | 0.33    | 425.781u | 3k                 |
| 802.11ax HEW40_Nss2,(MCS0)_2TX         | 0.927 | 0.33    | 425.781u | 3k                 |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)  | 0.885 | 0.53    | 243.75u  | 10k                |
| 802.11ax HEW80_Nss2,(MCS0)_2TX         | 0.885 | 0.53    | 243.75u  | 10k                |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | 0.889 | 0.51    | 237.5u   | 10k                |
| 802.11ax HEW160_Nss2,(MCS0)_2TX        | 0.889 | 0.51    | 237.5u   | 10k                |

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

**1.1.5 Table for Multiple Listing**

The model names in the following table are all refer to the identical product.

| Model Name            | Description                                                             |
|-----------------------|-------------------------------------------------------------------------|
| AP3000-WW, AP3000X-WW | The "X" in AP3000X-WW SKU indicates that it comes with external antenna |



## 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
- ♦ KDB 789033 D02 v02r01

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

- ♦ KDB 987594 D01 v01r02
- ♦ KDB 987594 D02 v01r01
- ♦ KDB 662911 D01 v02r01
- ♦ KDB 412172 D01 v01r01
- ♦ KDB 414788 D01 v01r01

## 1.3 Testing Location Information

| Test Lab. : Sporton International Inc. Hsinhua Laboratory  |                                                                                         |               |                      |                         |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------|----------------------|-------------------------|
| <input checked="" type="checkbox"/> Hsinhua<br>(TAF: 3785) | ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)          |               |                      |                         |
|                                                            | TEL: 886-3-327-3456                                                                     |               | FAX: 886-3-327-0973  |                         |
| Test site Designation No. TW3785 with FCC.                 |                                                                                         |               |                      |                         |
| Test Condition                                             | Test Site No.                                                                           | Test Engineer | Test Environment     | Test Date               |
| AC Conduction                                              | CO01-HY                                                                                 | Jack          | 22.0~22.5°C / 55~57% | 12/May/2022~13/May/2022 |
| RF Conducted                                               | TH01-HY                                                                                 | Johnny        | 22.3~25.6°C / 51~60% | 09/May/2022~12/Sep/2022 |
| Radiated                                                   | 03CH02-HY                                                                               | Lego          | 21.5~22.3°C / 51~56% | 25/Apr/2022~06/Sep/2022 |
| Radiated (Co-location)                                     | 03CH03-HY                                                                               | Edward        | 21.5~22.3°C / 51~56% | 22/Aug/2022             |
| Contention-Based Protocol                                  | DFS03-HY                                                                                | Tony          | 21.4~25.6°C / 48~57% | 28/Apr/2022~30/Apr/2022 |
| <input type="checkbox"/> Wen 33rd.St.<br>(TAF: 3785)       | ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) |               |                      |                         |
|                                                            | TEL: 886-3-318-0787                                                                     |               | FAX: 886-3-318-0287  |                         |
| Test site Designation No. TW0008 with FCC.                 |                                                                                         |               |                      |                         |

## 1.4 Measurement Uncertainty

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

| Test Items                                                 | Uncertainty | Remark                   |
|------------------------------------------------------------|-------------|--------------------------|
| AC Power-line Conducted Emissions                          | 4.53 dB     | Confidence levels of 95% |
| Emission Bandwidth                                         | 1.5 MHz     | Confidence levels of 95% |
| Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) | 1.2 dB      | Confidence levels of 95% |
| Peak Power Spectral Density (E.I.R.P.)                     | 1.2 dB      | Confidence levels of 95% |
| Unwanted Emissions                                         | 4.8 dB      | Confidence levels of 95% |
| Contention-Based Protocol                                  | 1 ms        | Confidence levels of 95% |
| Frequency Stability                                        | 1.18 ppm    | Confidence levels of 95% |
| Temperature                                                | 0.41 °C     | Confidence levels of 95% |
| Humidity                                                   | 3.4 %       | Confidence levels of 95% |



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

#### Non-Beamforming

|                              |                         |
|------------------------------|-------------------------|
| <b>Test Software Version</b> | accessMTool_REL_3_2_1_5 |
|------------------------------|-------------------------|

#### Non-Beamforming\_Internal

| Mode                            | Power Setting |
|---------------------------------|---------------|
| 802.11a_Nss1,(6Mbps)_1TX(Port2) | -             |
| 5955MHz                         | 50            |
| 6175MHz                         | 48            |
| 6415MHz                         | 40            |
| 6435MHz                         | 44            |
| 6475MHz                         | 42            |
| 6515MHz                         | 40            |
| 6535MHz                         | 40            |
| 6695MHz                         | 36            |
| 6855MHz                         | 27            |
| 6875MHz Straddle 6.525-6.875GHz | 27            |
| 6895MHz                         | 25            |
| 6995MHz                         | 33            |
| 7095MHz                         | 33            |
| 802.11a_Nss1,(6Mbps)_2TX        | -             |
| 5955MHz                         | 36            |
| 6175MHz                         | 35            |
| 6415MHz                         | 25            |
| 6435MHz                         | 27            |
| 6475MHz                         | 25            |
| 6515MHz                         | 21            |
| 6535MHz                         | 22            |
| 6695MHz                         | 21            |
| 6855MHz                         | 15            |
| 6875MHz Straddle 6.525-6.875GHz | 15            |
| 6895MHz                         | 12            |
| 6995MHz                         | 17            |
| 7095MHz                         | 19            |



| Mode                                  | Power Setting |
|---------------------------------------|---------------|
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) | -             |
| 5955MHz                               | 52            |
| 6175MHz                               | 49            |
| 6415MHz                               | 46            |
| 6435MHz                               | 49            |
| 6475MHz                               | 47            |
| 6515MHz                               | 44            |
| 6535MHz                               | 44            |
| 6695MHz                               | 43            |
| 6855MHz                               | 27            |
| 6875MHz Straddle 6.525-6.875GHz       | 27            |
| 6895MHz                               | 28            |
| 6995MHz                               | 36            |
| 7095MHz                               | 33            |
| 802.11ax HEW20_Nss2,(MCS0)_2TX        | -             |
| 5955MHz                               | 44            |
| 6175MHz                               | 49            |
| 6415MHz                               | 39            |
| 6435MHz                               | 38            |
| 6475MHz                               | 39            |
| 6515MHz                               | 35            |
| 6535MHz                               | 35            |
| 6695MHz                               | 36            |
| 6855MHz                               | 25            |
| 6875MHz Straddle 6.525-6.875GHz       | 26            |
| 6895MHz                               | 25            |
| 6995MHz                               | 29            |
| 7095MHz                               | 29            |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) | -             |
| 5965MHz                               | 70            |
| 6165MHz                               | 67            |
| 6405MHz                               | 57            |
| 6445MHz                               | 61            |
| 6485MHz                               | 59            |
| 6525MHz Straddle 6.425-6.525GHz       | 58            |



| Mode                                  | Power Setting |
|---------------------------------------|---------------|
| 6565MHz                               | 54            |
| 6685MHz                               | 56            |
| 6845MHz                               | 43            |
| 6885MHz Straddle 6.525-6.875GHz       | 42            |
| 6925MHz                               | 41            |
| 7005MHz                               | 49            |
| 7085MHz                               | 50            |
| 802.11ax HEW40_Nss2,(MCS0)_2TX        | -             |
| 5965MHz                               | 59            |
| 6165MHz                               | 60            |
| 6405MHz                               | 50            |
| 6445MHz                               | 50            |
| 6485MHz                               | 49            |
| 6525MHz Straddle 6.425-6.525GHz       | 46            |
| 6565MHz                               | 44            |
| 6685MHz                               | 49            |
| 6845MHz                               | 39            |
| 6885MHz Straddle 6.525-6.875GHz       | 35            |
| 6925MHz                               | 38            |
| 7005MHz                               | 40            |
| 7085MHz                               | 42            |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2) | -             |
| 5985MHz                               | 82            |
| 6145MHz                               | 78            |
| 6385MHz                               | 69            |
| 6465MHz                               | 73            |
| 6545MHz Straddle 6.425-6.525GHz       | 60            |
| 6625MHz                               | 61            |
| 6705MHz                               | 66            |
| 6785MHz                               | 63            |
| 6865MHz Straddle 6.525-6.875GHz       | 51            |
| 6945MHz                               | 56            |
| 7025MHz                               | 62            |
| 802.11ax HEW80_Nss2,(MCS0)_2TX        | -             |
| 5985MHz                               | 68            |



| Mode                                   | Power Setting |
|----------------------------------------|---------------|
| 6145MHz                                | 70            |
| 6385MHz                                | 60            |
| 6465MHz                                | 60            |
| 6545MHz Straddle 6.425-6.525GHz        | 55            |
| 6625MHz                                | 51            |
| 6705MHz                                | 59            |
| 6785MHz                                | 55            |
| 6865MHz Straddle 6.525-6.875GHz        | 49            |
| 6945MHz                                | 51            |
| 7025MHz                                | 49            |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | -             |
| 6025MHz                                | 80            |
| 6185MHz                                | 84            |
| 6345MHz                                | 80            |
| 6505MHz Straddle 6.425-6.525GHz        | 82            |
| 6665MHz                                | 76            |
| 6825MHz Straddle 6.525-6.875GHz        | 73            |
| 6985MHz                                | 67            |
| 802.11ax HEW160_Nss2,(MCS0)_2TX        | -             |
| 6025MHz                                | 74            |
| 6185MHz                                | 77            |
| 6345MHz                                | 68            |
| 6505MHz Straddle 6.425-6.525GHz        | 69            |
| 6665MHz                                | 68            |
| 6825MHz Straddle 6.525-6.875GHz        | 65            |
| 6985MHz                                | 60            |

**Non-Beamforming\_Dipole**

| Mode                                  | Power Setting |
|---------------------------------------|---------------|
| 802.11a_Nss1,(6Mbps)_1TX(Port2)       | -             |
| 5955MHz                               | 43            |
| 6175MHz                               | 42            |
| 6415MHz                               | 42            |
| 6435MHz                               | 46            |
| 6475MHz                               | 43            |
| 6515MHz                               | 44            |
| 6535MHz                               | 43            |
| 6695MHz                               | 39            |
| 6855MHz                               | 44            |
| 6875MHz Straddle 6.525-6.875GHz       | 44            |
| 6895MHz                               | 43            |
| 6995MHz                               | 49            |
| 7095MHz                               | 45            |
| 802.11a_Nss1,(6Mbps)_2TX              | -             |
| 5955MHz                               | 30            |
| 6175MHz                               | 27            |
| 6415MHz                               | 27            |
| 6435MHz                               | 29            |
| 6475MHz                               | 29            |
| 6515MHz                               | 29            |
| 6535MHz                               | 29            |
| 6695MHz                               | 24            |
| 6855MHz                               | 25            |
| 6875MHz Straddle 6.525-6.875GHz       | 28            |
| 6895MHz                               | 27            |
| 6995MHz                               | 29            |
| 7095MHz                               | 27            |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) | -             |
| 5955MHz                               | 43            |
| 6175MHz                               | 40            |
| 6415MHz                               | 46            |
| 6435MHz                               | 47            |
| 6475MHz                               | 45            |
| 6515MHz                               | 49            |



| Mode                                  | Power Setting |
|---------------------------------------|---------------|
| 6535MHz                               | 45            |
| 6695MHz                               | 57            |
| 6855MHz                               | 44            |
| 6875MHz Straddle 6.525-6.875GHz       | 44            |
| 6895MHz                               | 46            |
| 6995MHz                               | 49            |
| 7095MHz                               | 47            |
| 802.11ax HEW20_Nss2,(MCS0)_2TX        | -             |
| 5955MHz                               | 41            |
| 6175MHz                               | 33            |
| 6415MHz                               | 39            |
| 6435MHz                               | 37            |
| 6475MHz                               | 38            |
| 6515MHz                               | 36            |
| 6535MHz                               | 36            |
| 6695MHz                               | 33            |
| 6855MHz                               | 34            |
| 6875MHz Straddle 6.525-6.875GHz       | 36            |
| 6895MHz                               | 37            |
| 6995MHz                               | 37            |
| 7095MHz                               | 35            |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) | -             |
| 5965MHz                               | 54            |
| 6165MHz                               | 52            |
| 6405MHz                               | 57            |
| 6445MHz                               | 57            |
| 6485MHz                               | 56            |
| 6525MHz Straddle 6.425-6.525GHz       | 53            |
| 6565MHz                               | 52            |
| 6685MHz                               | 55            |
| 6845MHz                               | 58            |
| 6885MHz Straddle 6.525-6.875GHz       | 59            |
| 6925MHz                               | 62            |
| 7005MHz                               | 63            |
| 7085MHz                               | 61            |



| Mode                                  | Power Setting |
|---------------------------------------|---------------|
| 802.11ax HEW40_Nss2,(MCS0)_2TX        | -             |
| 5965MHz                               | 46            |
| 6165MHz                               | 41            |
| 6405MHz                               | 46            |
| 6445MHz                               | 54            |
| 6485MHz                               | 51            |
| 6525MHz Straddle 6.425-6.525GHz       | 50            |
| 6565MHz                               | 47            |
| 6685MHz                               | 48            |
| 6845MHz                               | 51            |
| 6885MHz Straddle 6.525-6.875GHz       | 50            |
| 6925MHz                               | 55            |
| 7005MHz                               | 54            |
| 7085MHz                               | 55            |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2) | -             |
| 5985MHz                               | 69            |
| 6145MHz                               | 65            |
| 6385MHz                               | 69            |
| 6465MHz                               | 70            |
| 6545MHz Straddle 6.425-6.525GHz       | 65            |
| 6625MHz                               | 70            |
| 6705MHz                               | 66            |
| 6785MHz                               | 64            |
| 6865MHz Straddle 6.525-6.875GHz       | 70            |
| 6945MHz                               | 71            |
| 7025MHz                               | 70            |
| 802.11ax HEW80_Nss2,(MCS0)_2TX        | -             |
| 5985MHz                               | 63            |
| 6145MHz                               | 66            |
| 6385MHz                               | 66            |
| 6465MHz                               | 65            |
| 6545MHz Straddle 6.425-6.525GHz       | 59            |
| 6625MHz                               | 60            |
| 6705MHz                               | 59            |
| 6785MHz                               | 58            |



| Mode                                   | Power Setting |
|----------------------------------------|---------------|
| 6865MHz Straddle 6.525-6.875GHz        | 66            |
| 6945MHz                                | 64            |
| 7025MHz                                | 62            |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | -             |
| 6025MHz                                | 80            |
| 6185MHz                                | 89            |
| 6345MHz                                | 87            |
| 6505MHz Straddle 6.425-6.525GHz        | 82            |
| 6665MHz                                | 86            |
| 6825MHz Straddle 6.525-6.875GHz        | 84            |
| 6985MHz                                | 80            |
| 802.11ax HEW160_Nss2,(MCS0)_2TX        | -             |
| 6025MHz                                | 74            |
| 6185MHz                                | 71            |
| 6345MHz                                | 76            |
| 6505MHz Straddle 6.425-6.525GHz        | 73            |
| 6665MHz                                | 76            |
| 6825MHz Straddle 6.525-6.875GHz        | 73            |
| 6985MHz                                | 74            |

**Beamforming**

|                              |         |
|------------------------------|---------|
| <b>Test Software Version</b> | Dos 6.1 |
|------------------------------|---------|

**Beamforming\_Internal**

| <b>Mode</b>                       | <b>Power Setting</b> |
|-----------------------------------|----------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | -                    |
| 5955MHz                           | 23                   |
| 6175MHz                           | 23                   |
| 6415MHz                           | 23                   |
| 6435MHz                           | 40                   |
| 6475MHz                           | 34                   |
| 6515MHz                           | 27                   |
| 6535MHz                           | 27                   |
| 6695MHz                           | 33                   |
| 6855MHz                           | 33                   |
| 6875MHz Straddle 6.525-6.875GHz   | 16                   |
| 6895MHz                           | 21                   |
| 6995MHz                           | 28                   |
| 7095MHz                           | 17                   |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | -                    |
| 5965MHz                           | 50                   |
| 6165MHz                           | 44                   |
| 6405MHz                           | 59                   |
| 6445MHz                           | 36                   |
| 6485MHz                           | 43                   |
| 6525MHz Straddle 6.425-6.525GHz   | 39                   |
| 6565MHz                           | 43                   |
| 6685MHz                           | 42                   |
| 6845MHz                           | 31                   |
| 6885MHz Straddle 6.525-6.875GHz   | 32                   |
| 6925MHz                           | 32                   |
| 7005MHz                           | 36                   |
| 7085MHz                           | 29                   |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | -                    |
| 5985MHz                           | 65                   |
| 6145MHz                           | 57                   |
| 6385MHz                           | 62                   |
| 6465MHz                           | 51                   |
| 6545MHz Straddle 6.425-6.525GHz   | 54                   |



| Mode                               | Power Setting |
|------------------------------------|---------------|
| 6625MHz                            | 42            |
| 6705MHz                            | 49            |
| 6785MHz                            | 45            |
| 6865MHz Straddle 6.525-6.875GHz    | 43            |
| 6945MHz                            | 44            |
| 7025MHz                            | 42            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | -             |
| 6025MHz                            | 73            |
| 6185MHz                            | 73            |
| 6345MHz                            | 76            |
| 6505MHz Straddle 6.425-6.525GHz    | 70            |
| 6665MHz                            | 55            |
| 6825MHz Straddle 6.525-6.875GHz    | 51            |
| 6985MHz                            | 45            |

**Beamforming\_Dipole**

| Mode                            | Power Setting |
|---------------------------------|---------------|
| 802.11a_Nss1,(6Mbps)_1TX(Port2) | -             |
| 5955MHz                         | 43            |
| 6175MHz                         | 42            |
| 6415MHz                         | 42            |
| 6435MHz                         | 46            |
| 6475MHz                         | 43            |
| 6515MHz                         | 44            |
| 6535MHz                         | 43            |
| 6695MHz                         | 39            |
| 6855MHz                         | 44            |
| 6875MHz Straddle 6.525-6.875GHz | 44            |
| 6895MHz                         | 43            |
| 6995MHz                         | 49            |
| 7095MHz                         | 45            |
| 802.11a_Nss1,(6Mbps)_2TX        | -             |
| 5955MHz                         | 30            |
| 6175MHz                         | 27            |
| 6415MHz                         | 27            |
| 6435MHz                         | 29            |
| 6475MHz                         | 29            |
| 6515MHz                         | 29            |



| Mode                                  | Power Setting |
|---------------------------------------|---------------|
| 6535MHz                               | 29            |
| 6695MHz                               | 24            |
| 6855MHz                               | 25            |
| 6875MHz Straddle 6.525-6.875GHz       | 28            |
| 6895MHz                               | 27            |
| 6995MHz                               | 29            |
| 7095MHz                               | 27            |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) | -             |
| 5955MHz                               | 43            |
| 6175MHz                               | 40            |
| 6415MHz                               | 46            |
| 6435MHz                               | 47            |
| 6475MHz                               | 45            |
| 6515MHz                               | 49            |
| 6535MHz                               | 45            |
| 6695MHz                               | 57            |
| 6855MHz                               | 44            |
| 6875MHz Straddle 6.525-6.875GHz       | 44            |
| 6895MHz                               | 46            |
| 6995MHz                               | 49            |
| 7095MHz                               | 47            |
| 802.11ax HEW20_Nss2,(MCS0)_2TX        | -             |
| 5955MHz                               | 41            |
| 6175MHz                               | 33            |
| 6415MHz                               | 39            |
| 6435MHz                               | 37            |
| 6475MHz                               | 38            |
| 6515MHz                               | 36            |
| 6535MHz                               | 36            |
| 6695MHz                               | 33            |
| 6855MHz                               | 34            |
| 6875MHz Straddle 6.525-6.875GHz       | 36            |
| 6895MHz                               | 37            |
| 6995MHz                               | 37            |
| 7095MHz                               | 35            |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2) | -             |
| 5965MHz                               | 54            |
| 6165MHz                               | 52            |



| Mode                                  | Power Setting |
|---------------------------------------|---------------|
| 6405MHz                               | 57            |
| 6445MHz                               | 57            |
| 6485MHz                               | 56            |
| 6525MHz Straddle 6.425-6.525GHz       | 53            |
| 6565MHz                               | 52            |
| 6685MHz                               | 55            |
| 6845MHz                               | 58            |
| 6885MHz Straddle 6.525-6.875GHz       | 59            |
| 6925MHz                               | 62            |
| 7005MHz                               | 63            |
| 7085MHz                               | 61            |
| 802.11ax HEW40_Nss2,(MCS0)_2TX        | -             |
| 5965MHz                               | 46            |
| 6165MHz                               | 41            |
| 6405MHz                               | 46            |
| 6445MHz                               | 54            |
| 6485MHz                               | 51            |
| 6525MHz Straddle 6.425-6.525GHz       | 50            |
| 6565MHz                               | 47            |
| 6685MHz                               | 48            |
| 6845MHz                               | 51            |
| 6885MHz Straddle 6.525-6.875GHz       | 50            |
| 6925MHz                               | 55            |
| 7005MHz                               | 54            |
| 7085MHz                               | 55            |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2) | -             |
| 5985MHz                               | 69            |
| 6145MHz                               | 65            |
| 6385MHz                               | 69            |
| 6465MHz                               | 70            |
| 6545MHz Straddle 6.425-6.525GHz       | 65            |
| 6625MHz                               | 70            |
| 6705MHz                               | 66            |
| 6785MHz                               | 64            |
| 6865MHz Straddle 6.525-6.875GHz       | 70            |
| 6945MHz                               | 71            |
| 7025MHz                               | 70            |
| 802.11ax HEW80_Nss2,(MCS0)_2TX        | -             |



| Mode                                   | Power Setting |
|----------------------------------------|---------------|
| 5985MHz                                | 63            |
| 6145MHz                                | 66            |
| 6385MHz                                | 66            |
| 6465MHz                                | 65            |
| 6545MHz Straddle 6.425-6.525GHz        | 59            |
| 6625MHz                                | 60            |
| 6705MHz                                | 59            |
| 6785MHz                                | 58            |
| 6865MHz Straddle 6.525-6.875GHz        | 66            |
| 6945MHz                                | 64            |
| 7025MHz                                | 62            |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | -             |
| 6025MHz                                | 80            |
| 6185MHz                                | 89            |
| 6345MHz                                | 87            |
| 6505MHz Straddle 6.425-6.525GHz        | 82            |
| 6665MHz                                | 86            |
| 6825MHz Straddle 6.525-6.875GHz        | 84            |
| 6985MHz                                | 80            |
| 802.11ax HEW160_Nss2,(MCS0)_2TX        | -             |
| 6025MHz                                | 74            |
| 6185MHz                                | 71            |
| 6345MHz                                | 76            |
| 6505MHz Straddle 6.425-6.525GHz        | 73            |
| 6665MHz                                | 76            |
| 6825MHz Straddle 6.525-6.875GHz        | 73            |
| 6985MHz                                | 74            |

## 2.2 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests |                                                                                         |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | AC power-line conducted emissions                                                       |
| <b>Condition</b>                                    | AC power-line conducted measurement for line and neutral<br>Test Voltage: 120Vac / 60Hz |
| <b>Operating Mode</b>                               | CTX                                                                                     |
| 1                                                   | Adapter mode                                                                            |

| The Worst Case Mode for Following Conformance Tests |                                                                                              |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | Emission Bandwidth<br>Unwanted Emissions<br>Contention Based Protocol<br>Frequency Stability |
| <b>Test Condition</b>                               | Conducted measurement at transmit chains                                                     |

| The Worst Case Mode for Following Conformance Tests |                                                                                                                                                                                                                                                     |                                                                                     |                                                                                       |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | Maximum Equivalent Isotropically Radiated Power (E.I.R.P.)<br>Peak Power Spectral Density (E.I.R.P.)<br>Unwanted Emissions                                                                                                                          |                                                                                     |                                                                                       |
| <b>Test Condition</b>                               | 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. |                                                                                     |                                                                                       |
| <b>Operating Mode &lt; 1GHz</b>                     | CTX                                                                                                                                                                                                                                                 |                                                                                     |                                                                                       |
| 1                                                   | Adapter mode                                                                                                                                                                                                                                        |                                                                                     |                                                                                       |
| <b>Operating Mode &gt; 1GHz</b>                     | CTX                                                                                                                                                                                                                                                 |                                                                                     |                                                                                       |
| <b>Orthogonal Planes of EUT</b>                     | <b>X Plane</b>                                                                                                                                                                                                                                      | <b>Y Plane</b>                                                                      | <b>Z Plane</b>                                                                        |
|                                                     |                                                                                                                                                                  |  |  |
| <b>Worst Planes of EUT</b>                          | V<br>(Internal)                                                                                                                                                                                                                                     |                                                                                     | V<br>(External)                                                                       |



| The Worst Case Mode for Following Conformance Tests                                                                                 |                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Tests Item                                                                                                                          | Simultaneous Transmission Analysis - Radiated Emission Co-location |
| Test Condition                                                                                                                      | Radiated measurement                                               |
| Operating Mode                                                                                                                      | CTX                                                                |
| 1                                                                                                                                   | 5GHz WLAN + 2.4GHz WLAN + Bluetooth                                |
| 2                                                                                                                                   | 5GHz WLAN + 6GHz WLAN + Bluetooth                                  |
| 3                                                                                                                                   | 5GHz WLAN + 2.4GHz WLAN + 802.15.4                                 |
| 4                                                                                                                                   | 5GHz WLAN + 6GHz WLAN + 802.15.4                                   |
| Refer to Sporton Test Report No.: FA232478 for Co-location RF Exposure Evaluation and Appendix H for Radiated Emission Co-location. |                                                                    |

## 2.3 Accessories

| Accessories           |            |        |            |              |
|-----------------------|------------|--------|------------|--------------|
| SPECIAL WALL BKT      | Brand Name | COMING | Model Name | 6309Aq493000 |
| Antenna (For AP3000X) | Brand Name | AWAN   | Model Name | 7102A0545000 |

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



## 2.4 Support Equipment

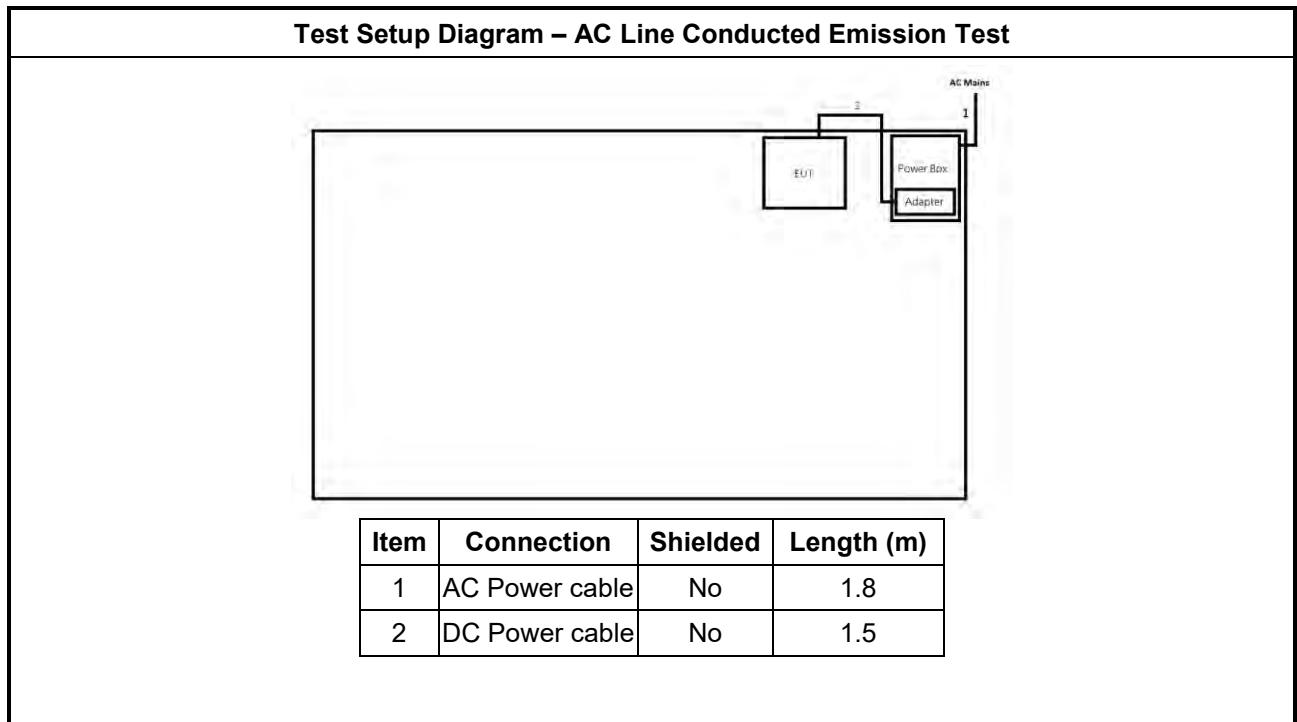
| Support Equipment – AC Conduction |                |                             |                 |        |        |
|-----------------------------------|----------------|-----------------------------|-----------------|--------|--------|
| No.                               | Equipment      | Brand Name                  | Model Name      | FCC ID | Remark |
| 1                                 | AC Power Cable | Power sync                  | PW-GPC180-3     | -      | -      |
| 2                                 | AC Adapter     | Powertron Electronics Corp. | PA1024-120IB200 | -      | -      |

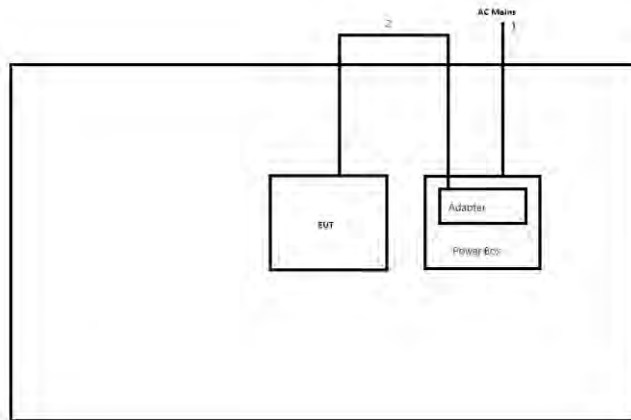
| Support Equipment – Conducted |                |                             |                 |        |        |
|-------------------------------|----------------|-----------------------------|-----------------|--------|--------|
| No.                           | Equipment      | Brand Name                  | Model Name      | FCC ID | Remark |
| 1                             | Notebook       | DELL                        | E5410           | -      | -      |
| 2                             | Adapter for NB | DELL                        | HA65NM130       | -      | -      |
| 3                             | AC Adapter     | Powertron Electronics Corp. | PA1024-120IB200 | -      | -      |

| Support Equipment – Radiated |                |                             |                 |        |        |
|------------------------------|----------------|-----------------------------|-----------------|--------|--------|
| No.                          | Equipment      | Brand Name                  | Model Name      | FCC ID | Remark |
| 1                            | Notebook       | HP                          | 5220M           | -      | -      |
| 2                            | Adapter for NB | HP                          | PPP012L-E       | -      | -      |
| 3                            | Adapter        | Powertron Electronics Corp. | PA1024-120IB200 | -      | -      |

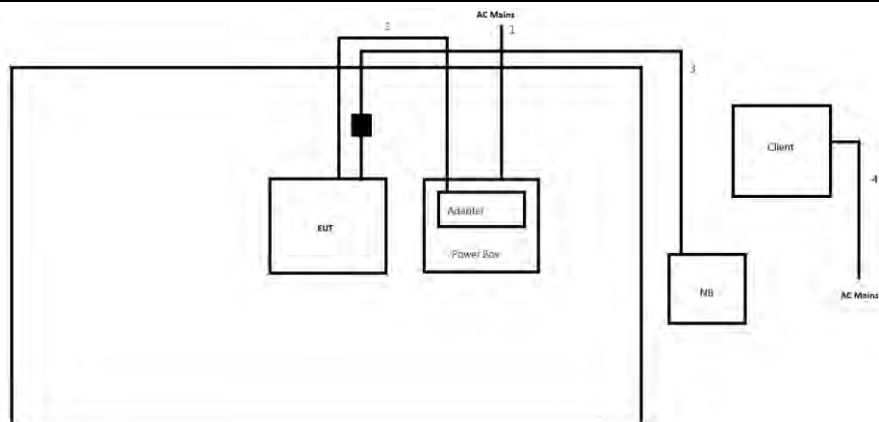
| Support Equipment – Contention-Based Protocol |               |            |                |        |                   |
|-----------------------------------------------|---------------|------------|----------------|--------|-------------------|
| No.                                           | Equipment     | Brand Name | Model Name     | FCC ID | Remark            |
| 1                                             | Notebook      | HP         | HSTNN-I29C     | -      | -                 |
| 2                                             | Notebook      | DELL       | Latitude E5550 | -      | -                 |
| 3                                             | Client(Slave) | Extreme    | AP3000         | -      | customer provided |

## 2.5 Test Setup Diagram

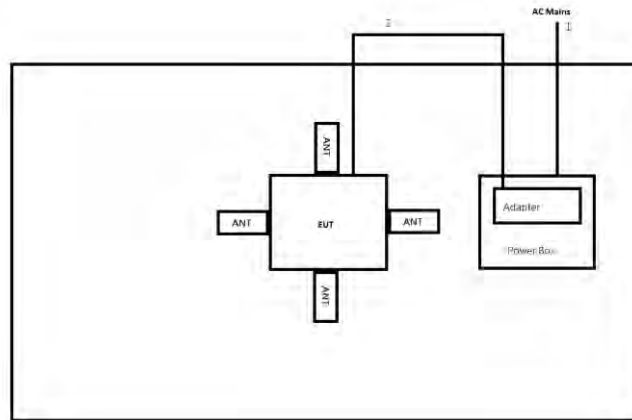


**Test Setup Diagram - Radiated Test (Non-Beamforming\_Internal)**


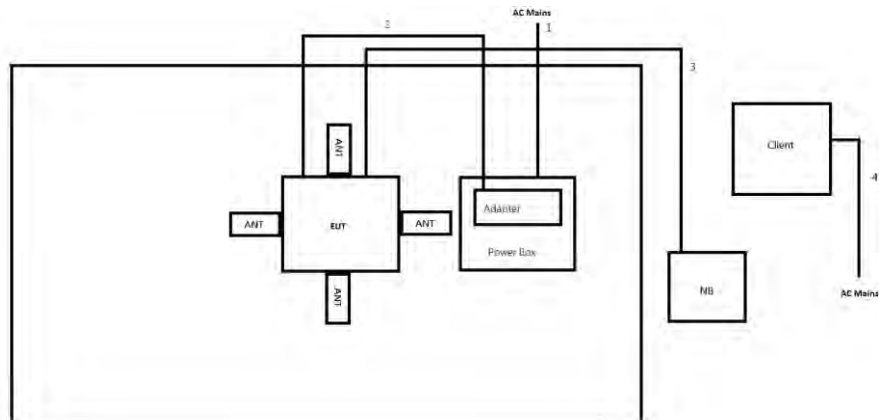
| Item | Connection     | Shielded | Length (m) |
|------|----------------|----------|------------|
| 1    | AC Power cable | No       | 1.8        |
| 2    | DC Power cable | No       | 1.5        |

**Test Setup Diagram - Radiated Test (Beamforming\_Internal)**


| Item | Connection     | Shielded | Length (m) |
|------|----------------|----------|------------|
| 1    | AC Power cable | No       | 1.8        |
| 2    | DC Power cable | No       | 1.5        |
| 3    | RJ45 Cable     | No       | 10.0       |
| 4    | DC Power cable | No       | 1.5        |

**Test Setup Diagram - Radiated Test (Non-Beamforming\_Dipole)**


| Item | Connection     | Shielded | Length (m) |
|------|----------------|----------|------------|
| 1    | AC Power cable | No       | 1.8        |
| 2    | DC Power cable | No       | 1.5        |

**Test Setup Diagram - Radiated Test (Beamforming\_Dipole)**


| Item | Connection     | Shielded | Length (m) |
|------|----------------|----------|------------|
| 1    | AC Power cable | No       | 1.8        |
| 2    | DC Power cable | No       | 1.5        |
| 3    | RJ45 Cable     | No       | 10.0       |
| 4    | DC Power cable | No       | 1.5        |



### 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

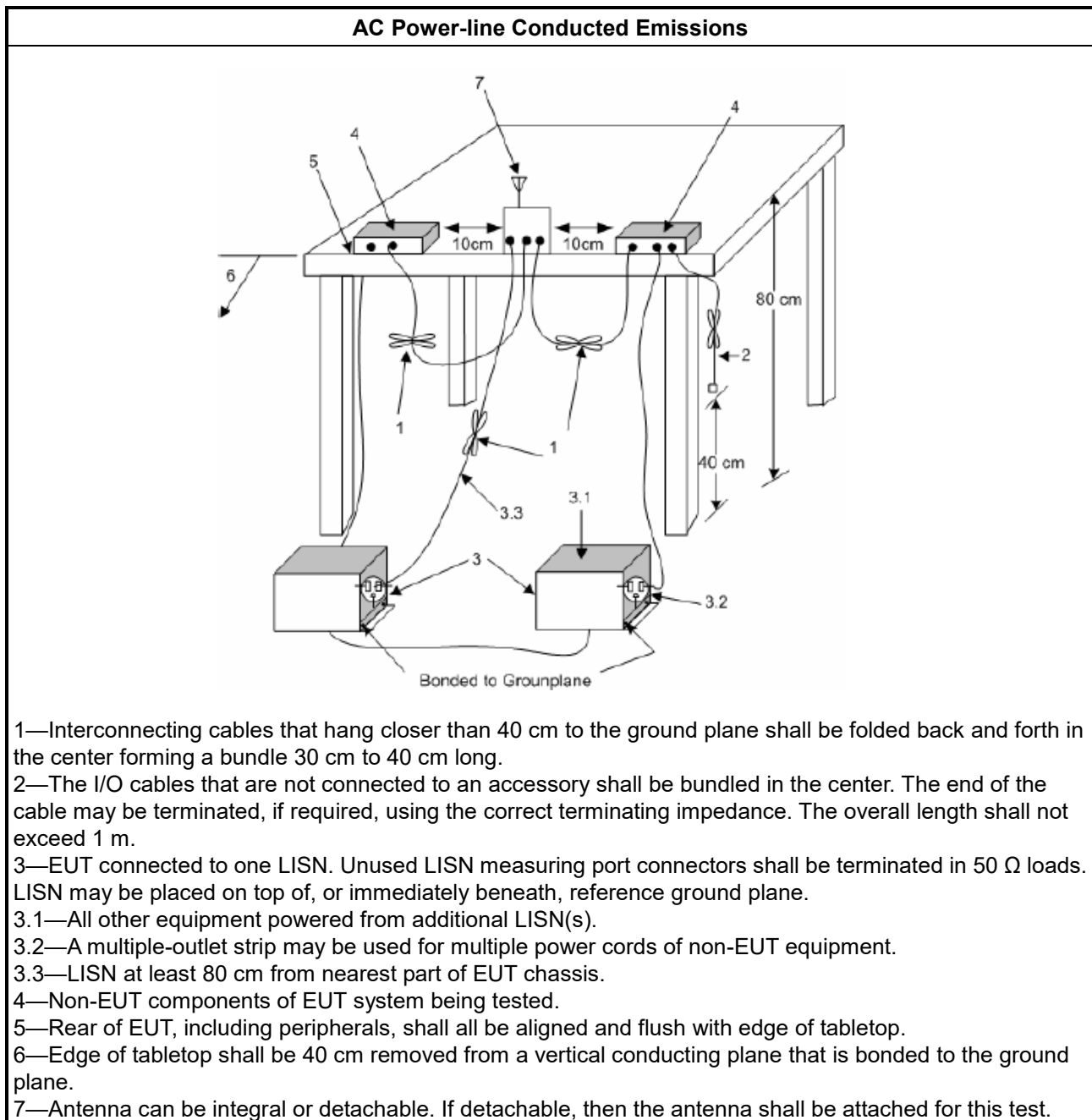
| Test Method                                                                                                      |
|------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions. |

##### 3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

### 3.1.5 Test Setup



### 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            |                                 |
|-------------------------------------|---------------------------------|
| <b>UNII Devices</b>                 |                                 |
| <input checked="" type="checkbox"/> | For the 5925-6425 GHz band, N/A |
| <input checked="" type="checkbox"/> | For the 6425-6525 GHz band, N/A |
| <input checked="" type="checkbox"/> | For the 6525-6875 GHz band, N/A |
| <input checked="" type="checkbox"/> | For the 6875-7125 GHz band, N/A |

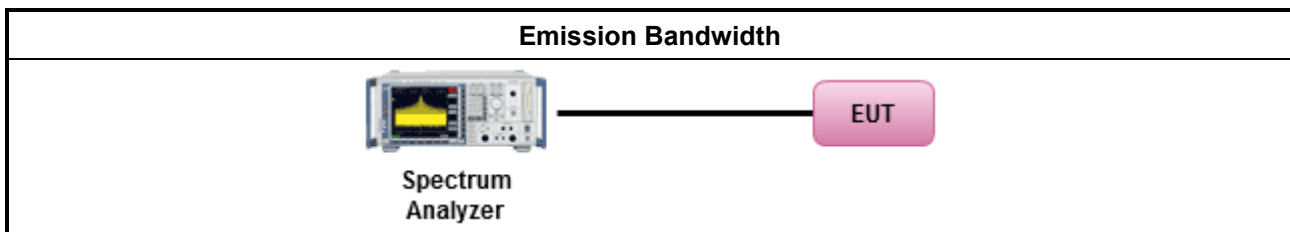
### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

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

### 3.2.4 Test Setup



### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



### 3.3 Maximum Equivalent Isotropically Radiated Power (E.I.R.P.)

#### 3.3.1 Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Limit

| Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Limit |                                                                                                                                                                                            |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UNII Devices                                                     |                                                                                                                                                                                            |
| <input checked="" type="checkbox"/>                              | For the 5.925 ~ 6.425 GHz band:                                                                                                                                                            |
| <input type="checkbox"/>                                         | For standard power access point and fixed client device : e.i.r.p < 36 dBm , For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm). |
| <input type="checkbox"/>                                         | For indoor access point : e.i.r.p < 30 dBm.                                                                                                                                                |
| <input type="checkbox"/>                                         | For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.                                                                                                               |
| <input type="checkbox"/>                                         | For client device control of a standard power access point : e.i.r.p < 30 dBm.                                                                                                             |
| <input type="checkbox"/>                                         | For client device control of an indoor access point : e.i.r.p < 24 dBm.                                                                                                                    |
| <input checked="" type="checkbox"/>                              | For the 6.425 ~ 6.525 GHz band:                                                                                                                                                            |
| <input type="checkbox"/>                                         | For indoor access point : e.i.r.p < 30 dBm.                                                                                                                                                |
| <input type="checkbox"/>                                         | For client device control of an indoor access point : e.i.r.p < 24 dBm.                                                                                                                    |
| <input checked="" type="checkbox"/>                              | For the 6.525 ~ 6.875 GHz band:                                                                                                                                                            |
| <input type="checkbox"/>                                         | For standard power access point and fixed client device : e.i.r.p < 36 dBm , For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm). |
| <input type="checkbox"/>                                         | For indoor access point : e.i.r.p < 30 dBm.                                                                                                                                                |
| <input type="checkbox"/>                                         | For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.                                                                                                               |
| <input type="checkbox"/>                                         | For client device control of a standard power access point : e.i.r.p < 30 dBm.                                                                                                             |
| <input type="checkbox"/>                                         | For client device control of an indoor access point : e.i.r.p < 24 dBm.                                                                                                                    |
| <input checked="" type="checkbox"/>                              | For the 6.875 ~ 7.125 GHz band:                                                                                                                                                            |
| <input type="checkbox"/>                                         | For indoor access point : e.i.r.p < 30 dBm.                                                                                                                                                |
| <input type="checkbox"/>                                         | For client device control of an indoor access point : e.i.r.p < 24 dBm.                                                                                                                    |

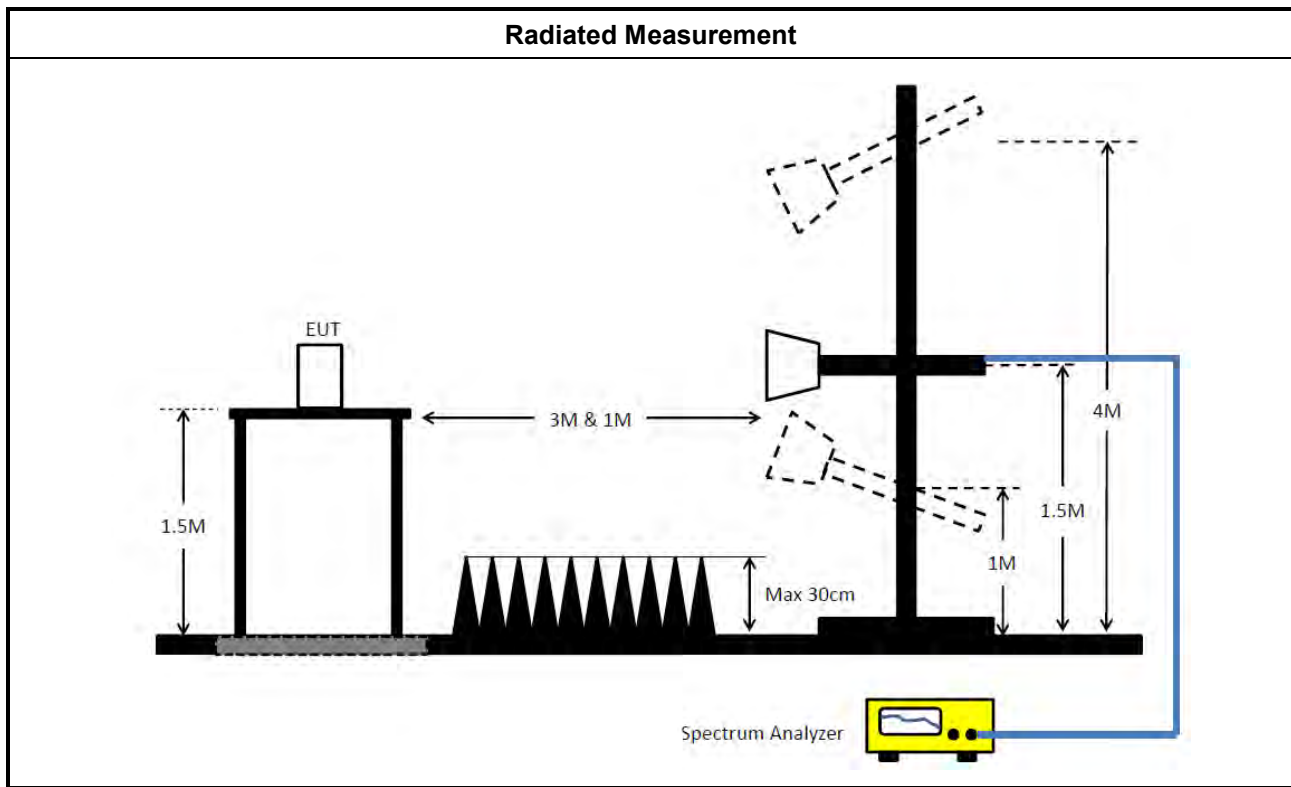
#### 3.3.2 Measuring Instruments

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

**3.3.3 Test Procedures**

| Test Method                                                              |                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ▪ Maximum Output Power Setting                                           |                                                                                                                                                                                                                                                                                                                       |
| <input type="checkbox"/>                                                 | Duty cycle $\geq 98\%$                                                                                                                                                                                                                                                                                                |
| <input type="checkbox"/>                                                 | Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).                                                                                                                                                                                                                                                 |
| <input type="checkbox"/>                                                 | Duty cycle $< 98\%$                                                                                                                                                                                                                                                                                                   |
| <input checked="" type="checkbox"/>                                      | Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)                                                                                                                                                                                                                                  |
| Wideband RF power meter and average over on/off periods with duty factor |                                                                                                                                                                                                                                                                                                                       |
| <input type="checkbox"/>                                                 | Refer as KDB 789033, clause E Method PM-G (using an RF average power meter).                                                                                                                                                                                                                                          |
| <input type="checkbox"/> For conducted measurement.                      |                                                                                                                                                                                                                                                                                                                       |
| <input type="checkbox"/>                                                 | ▪ 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. |
| <input type="checkbox"/>                                                 | ▪ If multiple transmit chains, EIRP calculation could be following as methods:<br>$P_{total} = P_1 + P_2 + \dots + P_n$<br>(calculated in linear unit [mW] and transfer to log unit [dBm])<br>$EIRP_{total} = P_{total} + DG$                                                                                         |
| <input checked="" type="checkbox"/> For radiated measurement.            |                                                                                                                                                                                                                                                                                                                       |
| <input type="checkbox"/>                                                 | ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.                                                                                                                                                                                                                                                 |
| <input type="checkbox"/>                                                 | ▪ Refer as KDB 789033, clause II A.1.F "Antenna-port Conducted versus Radiated Testing"                                                                                                                                                                                                                               |
| <input type="checkbox"/>                                                 | ▪ Refer as KDB 412172, clause 2.2 for EIRP calculation.                                                                                                                                                                                                                                                               |

### 3.3.4 Test Setup



### 3.3.5 Test Result of Maximum Equivalent Isotropically Radiated Power (E.I.R.P)

Refer as Appendix C



### 3.4 Peak Power Spectral Density (E.I.R.P.)

#### 3.4.1 Peak Power Spectral Density (E.I.R.P.) Limit

| Peak Power Spectral Density (E.I.R.P.) Limit |                                                                                        |
|----------------------------------------------|----------------------------------------------------------------------------------------|
| UNII Devices                                 |                                                                                        |
| <input checked="" type="checkbox"/>          | For the 5.925 ~ 6.425 GHz band:                                                        |
| <input type="checkbox"/>                     | For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.    |
| <input type="checkbox"/>                     | For indoor access point : e.i.r.p PSD < 5 dBm/MHz.                                     |
| <input type="checkbox"/>                     | For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.    |
| <input type="checkbox"/>                     | For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz. |
| <input type="checkbox"/>                     | For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.        |
| <input checked="" type="checkbox"/>          | For the 6.425 ~ 6.525 GHz band:                                                        |
| <input type="checkbox"/>                     | For indoor access point : e.i.r.p PSD < 5 dBm/MHz.                                     |
| <input type="checkbox"/>                     | For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.        |
| <input checked="" type="checkbox"/>          | For the 6.525 ~ 6.875 GHz band:                                                        |
| <input type="checkbox"/>                     | For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.    |
| <input type="checkbox"/>                     | For indoor access point : e.i.r.p PSD < 5 dBm/MHz.                                     |
| <input type="checkbox"/>                     | For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.    |
| <input type="checkbox"/>                     | For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz. |
| <input type="checkbox"/>                     | For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.        |
| <input checked="" type="checkbox"/>          | For the 6.875 ~ 7.125 GHz band:                                                        |
| <input type="checkbox"/>                     | For indoor access point : e.i.r.p PSD < 5 dBm/MHz.                                     |
| <input type="checkbox"/>                     | For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.        |

#### 3.4.2 Measuring Instruments

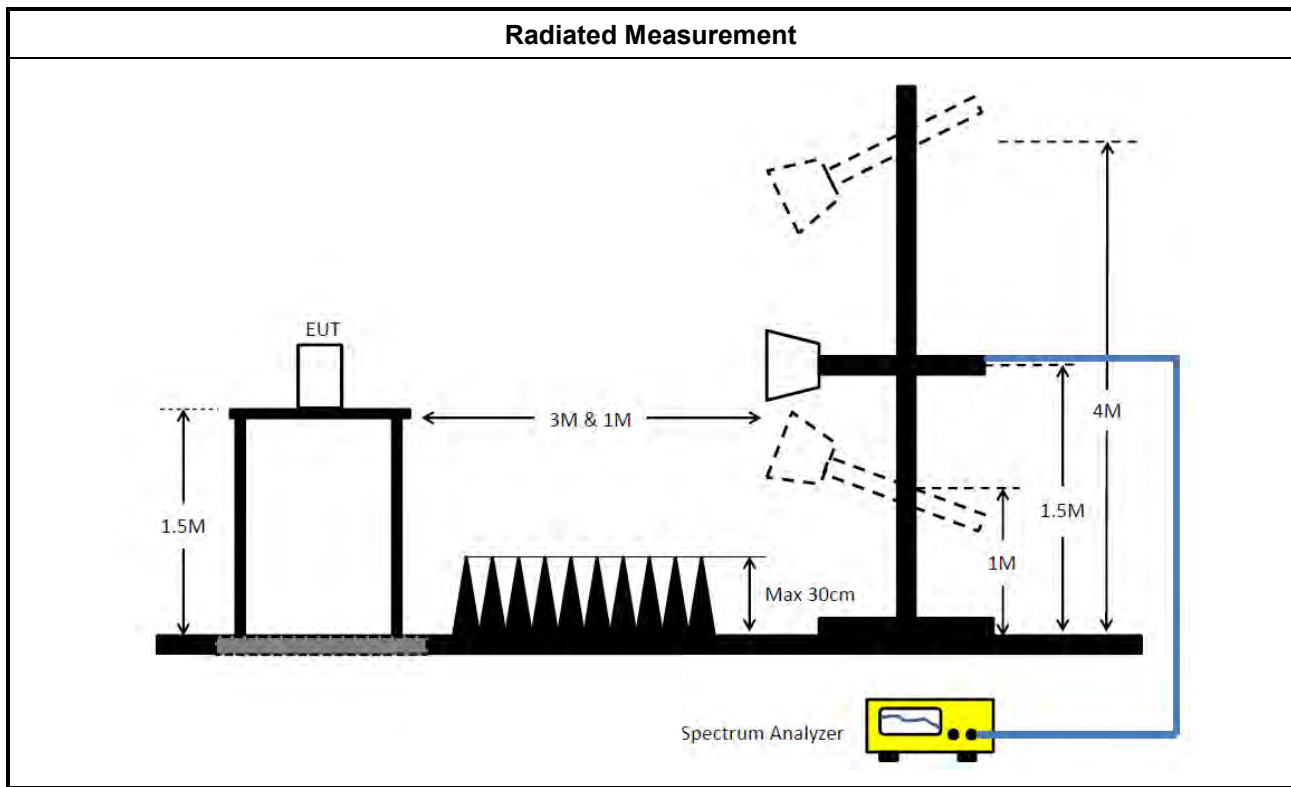
Refer a test equipment and calibration data table in this test report.



## 3.4.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>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:</li></ul> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                      | Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                      | Refer as KDB 789033, clause E Method SA-2. (spectral trace averaging)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                           | Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <input type="checkbox"/> For conducted measurement.                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"><li>If the EUT supports multiple transmit chains using options given below:</li></ul>                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                           | 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. |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                           | 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,                                                                                                                                                                                                         |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                           | 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.                                                                                                                                                                                                                                                                                                                  |
| <ul style="list-style-type: none"><li>If multiple transmit chains, EIRP PPSD calculation could be following as methods:<br/><math display="block">PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n</math><br/>(calculated in linear unit [mW] and transfer to log unit [dBm])<br/><math display="block">EIRP_{total} = PPSD_{total} + DG</math></li></ul>                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/> For radiated measurement.                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"><li>Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li></ul>                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"><li>Refer as KDB 789033, clause II A.1.F "Antenna-port Conducted versus Radiated Testing"</li></ul>                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"><li>Refer as KDB 412172, clause 2.2 for EIRP calculation.</li></ul>                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### 3.4.4 Test Setup



### 3.4.5 Test Result of Peak Power Spectral Density (E.I.R.P.)

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                    |

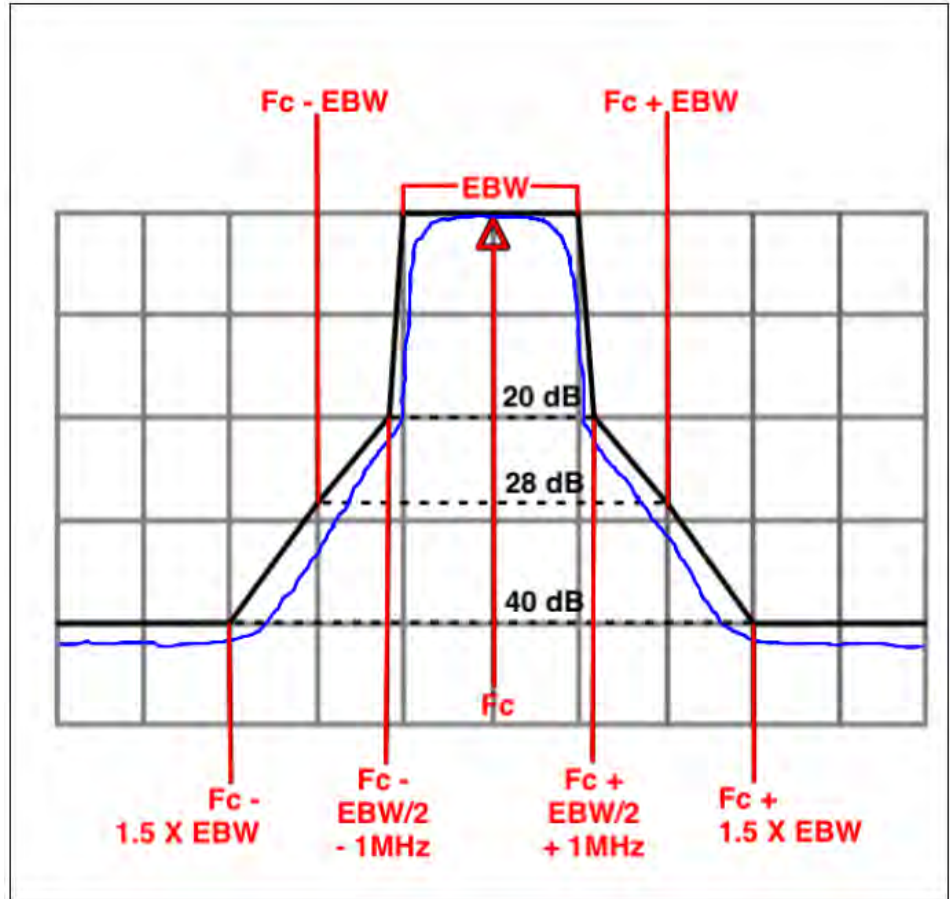
Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance 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( $20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}$ ).  
EX. Above 18GHz emission limit calculation (3m to 1m) = 54dBuV/m at 3m + 9.54dB = 63.54 dBuV/m at 1m.

| Un-restricted band emissions above 1GHz Limit |                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency                                     | Limit                                                                                                                                                                                                                                                                                                                                                                                  |
| Any outside the 5.945 – 7.125 GHz emission    | e.i.r.p. -27 dBm [68.2 dBuV/m@3m]<br><br>Note 1: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m( $20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}$ ).<br>EX. Above 18GHz emission limit calculation (3m to 1m) = 68.2dBuV/m at 3m + 9.54dB = 77.74 dBuV/m at 1m.   |
| Frequency                                     | Emission MASK Limit                                                                                                                                                                                                                                                                                                                                                                    |
| 5.945 – 7.125 GHz                             | Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the |

limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.





### 3.5.2 Measuring Instruments

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

### 3.5.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>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).</li></ul> |                                                                                                                                                                              |
| <ul style="list-style-type: none"><li>The average emission levels shall be measured in [duty cycle <math>\geq</math> 98 or duty factor].</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                              |
| <ul style="list-style-type: none"><li>For the transmitter unwanted emissions shall be measured using following options below:</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.</li></ul>                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.</li></ul>                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> Refer as KDB 789033, G)6) Method AD (Trace Averaging).<br>(For unrestricted band measurement)                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> Refer as KDB 789033, G)6) Method VB (Reduced VBW).                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.( For restricted band average measurement) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> Refer as KDB 789033, clause G)5) measurement procedure peak limit.                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> Refer as KDB 789033, clause G)3)d)iii) for Band edge Integration measurements.                                                           |
| <ul style="list-style-type: none"><li>For emission MASK shall be measured using following options below:</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> Refer as KDB 987594 D02, J) In-Band Emissions                                                                                            |
| <ul style="list-style-type: none"><li>For radiated measurement.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.</li></ul>                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.</li></ul>                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li></ul>                                                          |
| <ul style="list-style-type: none"><li>The any unwanted emissions level shall not exceed the fundamental emission level.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                              |
| <ul style="list-style-type: none"><li>All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                              |



| Test Method                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ▪ For conducted and cabinet radiation measurement, refer as KDB 789033, 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.                                                                                    |

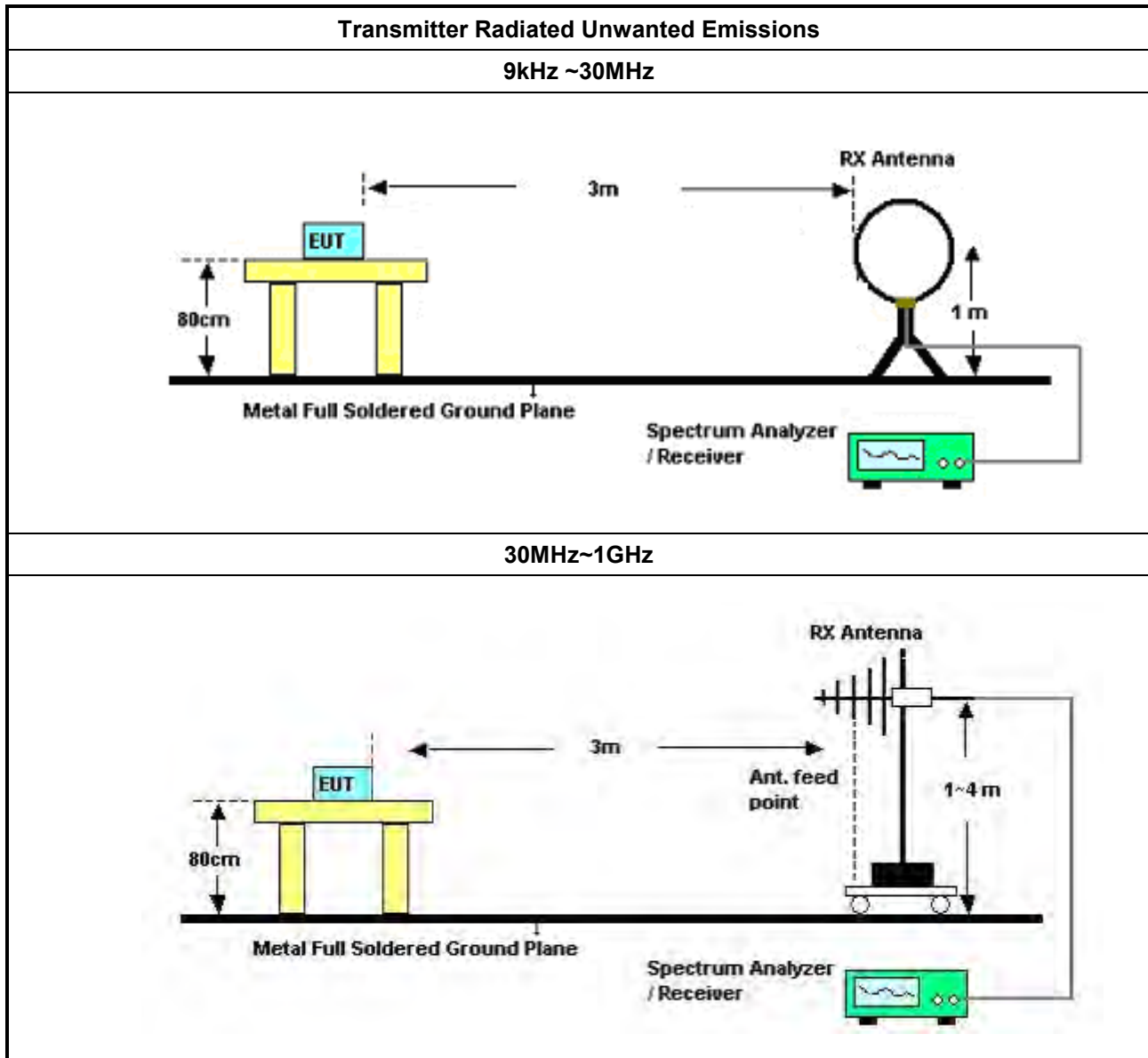
|                                                                           |                                                                                                                                                                                                       |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ▪ Use the following spectrum analyzer settings:                           |                                                                                                                                                                                                       |
|                                                                           | ▪ Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.                                                                                             |
|                                                                           | ▪ Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement.<br>For average measurement, refer as 1.1.4.                                                                                     |
| ▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification. |                                                                                                                                                                                                       |
|                                                                           | ▪ Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field. |
|                                                                           | ▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.                                                                  |

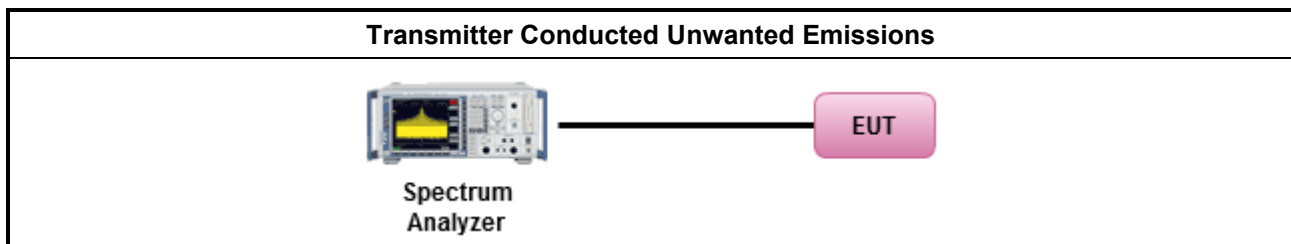
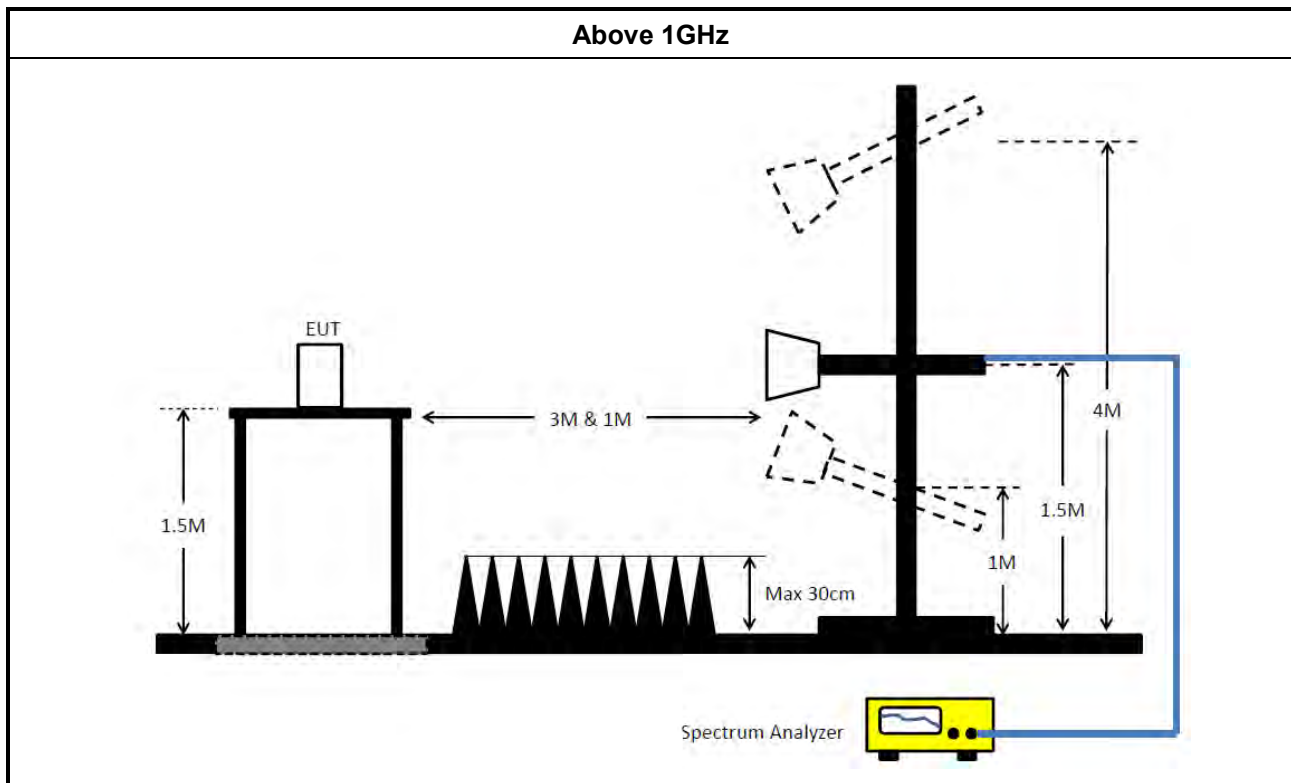
### 3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

### 3.5.5 Test Setup





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

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

### 3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

### 3.6 Contention Based Protocol

#### 3.6.1 Contention Based Protocol Limit

EUT can detect an AWGN signal with 90% (or better) level of certainty.

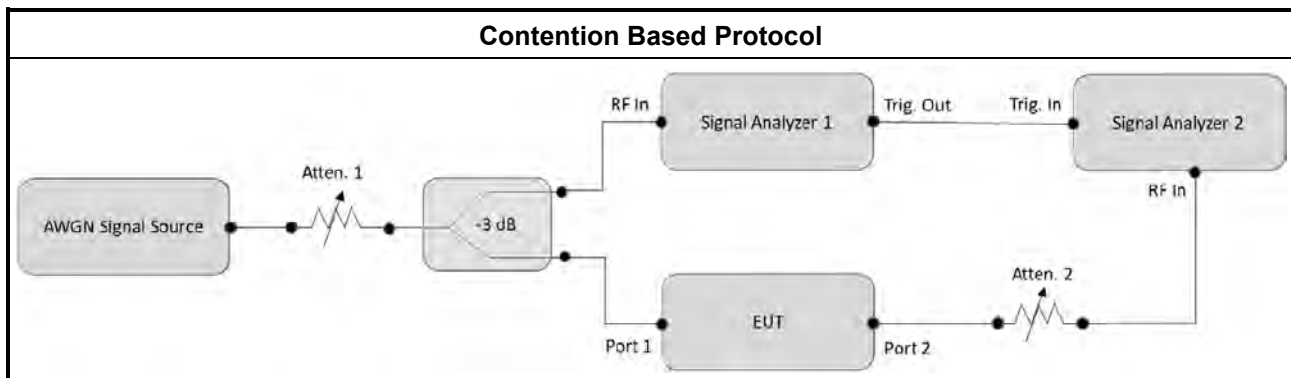
#### 3.6.2 Measuring Instruments

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

#### 3.6.3 Test Procedures

| Test Method                         |                                                                                |
|-------------------------------------|--------------------------------------------------------------------------------|
| ■                                   | For Contention Based Protocol shall be measured using following options below: |
| <input checked="" type="checkbox"/> | Refer as KDB 987594 D02, I) Contention Based Protocol.                         |

#### 3.6.4 Test Setup



#### 3.6.5 Test Result of Contention Based Protocol

Refer as Appendix F

### 3.7 Frequency Stability

#### 3.7.1 Frequency Stability Limit

| Frequency Stability Limit |                                                                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           | <ul style="list-style-type: none"> <li>In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.</li> </ul> |

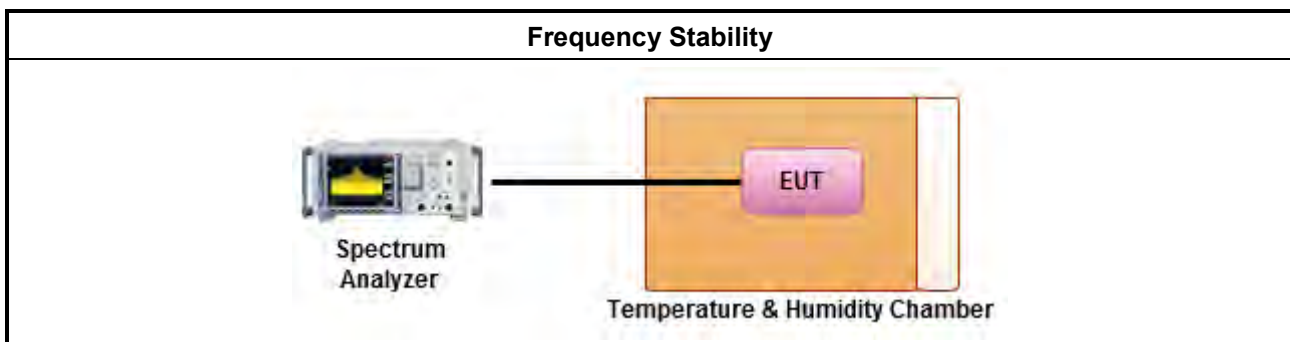
#### 3.7.2 Measuring Instruments

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

#### 3.7.3 Test Procedures

| Test Method |                                                                                                                  |
|-------------|------------------------------------------------------------------------------------------------------------------|
|             | <ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.8 for frequency stability tests</li> </ul> |
|             | <ul style="list-style-type: none"> <li>Frequency stability with respect to ambient temperature</li> </ul>        |
|             | <ul style="list-style-type: none"> <li>Frequency stability when varying supply voltage</li> </ul>                |
|             | <ul style="list-style-type: none"> <li>Extreme temperature is -30°C~50°C.</li> </ul>                             |

#### 3.7.4 Test Setup



#### 3.7.5 Test Result of Frequency Stability

Refer as Appendix G



## 4 Test Equipment and Calibration Data

### Instrument for AC Conduction

| Instrument                              | Manufacturer /Brand | Model No. | Serial No.    | Spec.         | Calibration Date | Calibration Due Date |
|-----------------------------------------|---------------------|-----------|---------------|---------------|------------------|----------------------|
| EMI Test Receiver                       | R&S                 | ESR       | 102052        | 9kHz ~ 3.6GHz | 02/Jun/2021      | 01/Jun/2022          |
| LISN                                    | R&S                 | ENV216    | 101295        | 9kHz ~ 30MHz  | 12/Jan/2022      | 11/Jan/2023          |
| LISN- Two-Line V Network (Support Unit) | MessTec             | NNB-2/16Z | 2001/009      | 9kHz ~ 30MHz  | 12/Oct/2021      | 11/Oct/2022          |
| Cable                                   | MTJ                 | RG 142    | CO01-cable-01 | 9 kHz ~ 1GHz  | 12/Jul/2021      | 11/Jul/2022          |
| Pulse Limiter                           | R&S                 | EHS3-Z2   | 100920        | 9kHz ~ 30MHz  | 29/Oct/2021      | 28/Oct/2022          |
| Software                                | Sporton             | SENSE-EMI | V5.10.7       | -             | NCR              | NCR                  |

**NCR: No Calibration Required**

### Instrument for Conducted Test

| Instrument               | Manufacturer /Brand | Model No. | Serial No. | Spec.        | Calibration Date | Calibration Due Date |
|--------------------------|---------------------|-----------|------------|--------------|------------------|----------------------|
| Signal Analyzer          | R&S                 | FSV 40    | 101013     | 10Hz~40GHz   | 01/Apr/2022      | 31/Mar/2023          |
| SMB100A Signal Generator | R&S                 | SMB100A   | 181147     | 100kHz~40GHz | 21/Oct/2021      | 20/Oct/2022          |
| Pulse Sensor             | Anritsu             | MA2411B   | 0917017    | 300MHz~40GHz | 21/Feb/2022      | 20/Feb/2023          |
| Power Meter              | Anritsu             | ML2495A   | 0949003    | 300MHz~40GHz | 21/Feb/2022      | 20/Feb/2023          |
| SENSE-15407_NII          | Sporton             | V5.10.8.5 | N/A        | N/A          | N/A              | N/A                  |

### Instrument for Contention-Based Protocol Test

| Instrument              | Manufacturer /Brand | Model No. | Serial No. | Spec.         | Calibration Date | Calibration Due Date |
|-------------------------|---------------------|-----------|------------|---------------|------------------|----------------------|
| Signal Analyzer         | R&S                 | FSP 30    | 100792     | 9 kHz ~ 30GHz | 30/Jun/2021      | 29/Jun/2022          |
| Vector Signal Generator | R&S                 | SMU200A   | 102098     | 100kHz~6GHz   | 26/Apr/2022      | 25/Apr/2023          |
| DFS-Adaptivity          | Sporton             | Ver 2.7   | N/A        | N/A           | N/A              | N/A                  |
| Adaptivity Analysis-5G  | Sporton             | Ver 2.8   | N/A        | N/A           | N/A              | N/A                  |

**Instrument for Radiated Test**

| Instrument                       | Manufacturer /Brand | Model No.              | Serial No.         | Spec.            | Calibration Date | Calibration Due Date |
|----------------------------------|---------------------|------------------------|--------------------|------------------|------------------|----------------------|
| 3m Semi Anechoic Chamber         | SIDT FRANKONIA      | SAC-3M                 | 03CH02-HY          | 30MHz~1GHz<br>3m | 02/Aug/2021      | 01/Aug/2022          |
| 3m Semi Anechoic Chamber         | SIDT FRANKONIA      | SAC-3M                 | 03CH02-HY          | 1GHz~18GHz<br>3m | 01/Aug/2021      | 31/Jul/2022          |
| 3m Semi Anechoic Chamber         | SIDT FRANKONIA      | SAC-3M                 | 03CH02-HY          | 30MHz~1GHz<br>3m | 31/Jul/2022      | 30/Jul/2023          |
| 3m Semi Anechoic Chamber         | SIDT FRANKONIA      | SAC-3M                 | 03CH02-HY          | 1GHz~18GHz<br>3m | 30/Jul/2022      | 29/Jul/2023          |
| Signal Analyzer                  | R&S                 | FSP40                  | 100593             | 9kHz~40GHz       | 08/Apr/2022      | 07/Apr/2023          |
| Amplifier                        | Agilent             | 8447D                  | 2944A11149         | 100kHz~1.3GHz    | 29/Jun/2021      | 28/Jun/2022          |
| Amplifier                        | Agilent             | 8447D                  | 2944A11149         | 100kHz~1.3GHz    | 28/Jun/2022      | 27/Jun/2023          |
| Microwave Preamplifier           | Agilent             | 8449B                  | 3008A02373         | 1GHz~26.5GHz     | 03/Nov/2021      | 02/Nov/2022          |
| Double Ridged Guide Horn Antenna | SCHWARZBECK         | BBHA 9120 D            | 02268              | 1GHz ~18GHz      | 14/Sep/2021      | 13/Sep/2022          |
| Bilog Antenna & 5dB Attenuator   | SCHAFFNER / MTJ     | CBL 6112B / MTJ6102-05 | 2723 / 2           | 30MHz~1GHz       | 04/Sep/2021      | 03/Sep/2022          |
| RF Cable                         | MVE                 | 400LL                  | MVE-1-0802         | 9kHz~30MHz       | 04/May/2022      | 03/May/2023          |
| RF Cable                         | MVE                 | 400LL                  | MVE-1-0802         | 30MHz~1GHz       | 04/May/2022      | 03/May/2023          |
| RF Cable-R03m                    | HUBER+SUHNER        | SUCOFLEX104            | 805193/4+805192 /4 | 1GHz~40GHz       | 01/Apr/2022      | 31/Mar/2023          |
| Broadband Horn Antenna           | SCHWARZBECK         | BBHA 9170              | BBHA 9170221       | 15GHz~40GHz      | 18/Mar/2022      | 17/Mar/2023          |
| Microwave Premplifier            | EMC INSTRUMENTS     | EM18G40G               | 060604             | 18GHz~40GHz      | 08/Mar/2022      | 07/Mar/2023          |
| Loop Antenna                     | TESEQ               | HLA 6120               | 31244              | 9kHz~30MHz       | 18/Mar/2022      | 17/Mar/2023          |
| EMI Test Receiver                | R&S                 | ESR3                   | 102052             | 9kHz~3.6GHz      | 02/Jun/2021      | 01/Jun/2022          |
| EMI Test Receiver                | R&S                 | ESR3                   | 102052             | 9kHz~3.6GHz      | 13/May/2022      | 12/May/2023          |
| SENSE-15407_NII                  | Sporton             | V5.10.8.1              | N/A                | N/A              | N/A              | N/A                  |

**Instrument for Radiated Test (Co-location)**

| Instrument                       | Manufacturer /Brand | Model No.   | Serial No.      | Spec.            | Calibration Date | Calibration Due Date |
|----------------------------------|---------------------|-------------|-----------------|------------------|------------------|----------------------|
| 3m Semi Anechoic Chamber         | SIDT FRANKONIA      | SAC-3M      | 03CH03-HY       | 1GHz~18GHz<br>3m | 02/Aug/2022      | 01/Aug/2023          |
| Signal Analyzer                  | R&S                 | FSV40       | 101500          | 10Hz~40GHz       | 12/Oct/2021      | 11/Oct/2022          |
| Microwave Preamplifier           | Agilent             | 8449BA      | 3008A02326      | 1 GHz ~ 26.5 GHz | 14/Jul/2022      | 13/Jul/2023          |
| Double Ridged Guide Horn Antenna | SCHWARZBECK         | BBHA 9120 D | 02267           | 1GHz ~18GHz      | 14/Sep/2021      | 13/Sep/2022          |
| RF CABLE 5+6m                    | HUBER+SUHNER        | SUOFLEX 104 | 03CH03-cable-01 | 1GHz~40GHz       | 27/Jul/2022      | 26/Jul/2023          |
| Broadband Horn Antenna           | SCHWARZBECK         | BBHA 9170   | BBHA 9170221    | 15GHz~40GHz      | 18/Mar/2022      | 17/Mar/2023          |
| Microwave Premplifier            | EMC INSTRUMENTS     | EM18G40G    | 060604          | 18GHz ~ 40GHz    | 08/Mar/2022      | 07/Mar/2023          |
| SENSE-EMI                        | Sporton             | V5.10.8.6   | NA              | NA               | NA               | NA                   |



## Conducted Emissions at Powerline

## Appendix A

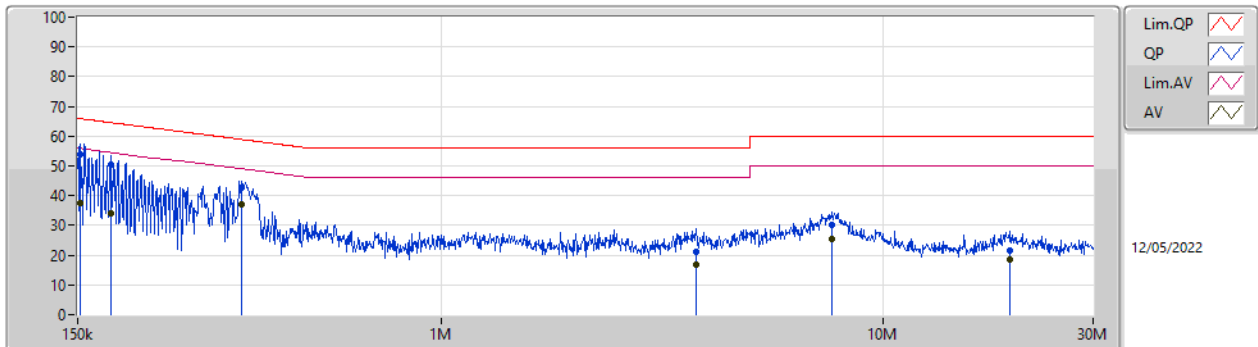
### Summary

| Mode   | Result | Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Condition |
|--------|--------|------|--------------|-----------------|-----------------|----------------|-----------|
| Mode 1 | Pass   | QP   | 154.251k     | 55.82           | 65.77           | -9.95          | Neutral   |

**Mode Configure**

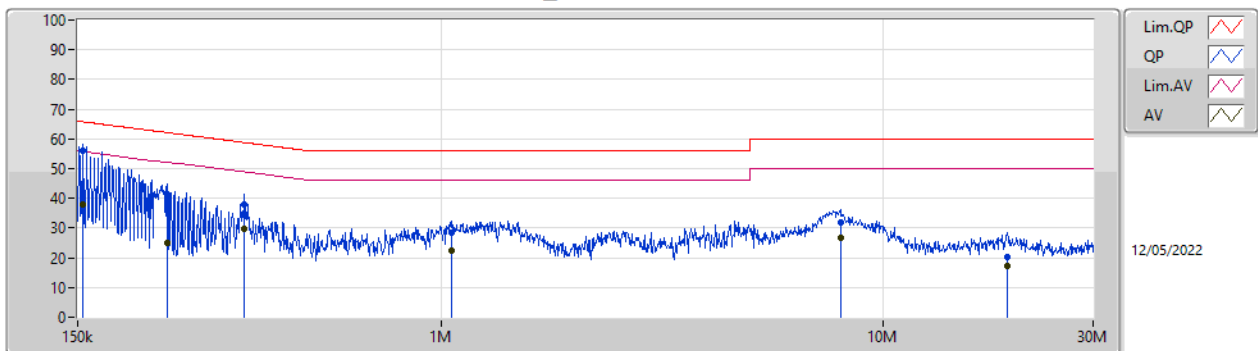
| Mode   | Result | Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Condition | Comments |
|--------|--------|------|-----------|--------------|--------------|-------------|-----------|----------|
| Mode 1 | Pass   | QP   | 152.414k  | 54.04        | 65.87        | -11.83      | Line      | -        |
| Mode 1 | Pass   | AV   | 152.414k  | 37.35        | 55.87        | -18.52      | Line      | -        |
| Mode 1 | Pass   | QP   | 178.803k  | 50.50        | 64.55        | -14.05      | Line      | -        |
| Mode 1 | Pass   | AV   | 178.803k  | 33.94        | 54.55        | -20.61      | Line      | -        |
| Mode 1 | Pass   | QP   | 352.457k  | 42.52        | 58.91        | -16.39      | Line      | -        |
| Mode 1 | Pass   | AV   | 352.457k  | 37.10        | 48.91        | -11.81      | Line      | -        |
| Mode 1 | Pass   | QP   | 3.79M     | 20.92        | 56.00        | -35.08      | Line      | -        |
| Mode 1 | Pass   | AV   | 3.79M     | 16.87        | 46.00        | -29.13      | Line      | -        |
| Mode 1 | Pass   | QP   | 7.652M    | 30.35        | 60.00        | -29.65      | Line      | -        |
| Mode 1 | Pass   | AV   | 7.652M    | 25.44        | 50.00        | -24.56      | Line      | -        |
| Mode 1 | Pass   | QP   | 19.475M   | 21.39        | 60.00        | -38.61      | Line      | -        |
| Mode 1 | Pass   | AV   | 19.475M   | 18.38        | 50.00        | -31.62      | Line      | -        |
| Mode 1 | Pass   | QP   | 154.251k  | 55.82        | 65.77        | -9.95       | Neutral   | -        |
| Mode 1 | Pass   | AV   | 154.251k  | 37.75        | 55.77        | -18.02      | Neutral   | -        |
| Mode 1 | Pass   | QP   | 239.296k  | 41.35        | 62.12        | -20.77      | Neutral   | -        |
| Mode 1 | Pass   | AV   | 239.296k  | 24.95        | 52.12        | -27.17      | Neutral   | -        |
| Mode 1 | Pass   | QP   | 358.13k   | 37.93        | 58.77        | -20.84      | Neutral   | -        |
| Mode 1 | Pass   | AV   | 358.13k   | 29.92        | 48.77        | -18.85      | Neutral   | -        |
| Mode 1 | Pass   | QP   | 1.052M    | 28.42        | 56.00        | -27.58      | Neutral   | -        |
| Mode 1 | Pass   | AV   | 1.052M    | 22.32        | 46.00        | -23.68      | Neutral   | -        |
| Mode 1 | Pass   | QP   | 8.028M    | 32.01        | 60.00        | -27.99      | Neutral   | -        |
| Mode 1 | Pass   | AV   | 8.028M    | 26.81        | 50.00        | -23.19      | Neutral   | -        |
| Mode 1 | Pass   | QP   | 19.167M   | 20.24        | 60.00        | -39.76      | Neutral   | -        |
| Mode 1 | Pass   | AV   | 19.167M   | 17.42        | 50.00        | -32.58      | Neutral   | -        |

## Conducted Emissions at Powerline\_Mode 1



| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|--|
| QP   | 152.414k     | 54.04           | 65.87           | -11.83         | 19.36          | Line      | -       | 34.68         | 9.60         | 0.07       | 9.69       |  |  |  |  |
| AV   | 152.414k     | 37.35           | 55.87           | -18.52         | 19.36          | Line      | -       | 17.99         | 9.60         | 0.07       | 9.69       |  |  |  |  |
| QP   | 178.803k     | 50.50           | 64.55           | -14.05         | 19.37          | Line      | -       | 31.13         | 9.61         | 0.07       | 9.69       |  |  |  |  |
| AV   | 178.803k     | 33.94           | 54.55           | -20.61         | 19.37          | Line      | -       | 14.57         | 9.61         | 0.07       | 9.69       |  |  |  |  |
| QP   | 352.457k     | 42.52           | 58.91           | -16.39         | 19.39          | Line      | -       | 23.13         | 9.60         | 0.09       | 9.70       |  |  |  |  |
| AV   | 352.457k     | 37.10           | 48.91           | -11.81         | 19.39          | Line      | -       | 17.71         | 9.60         | 0.09       | 9.70       |  |  |  |  |
| QP   | 3.79M        | 20.92           | 56.00           | -35.08         | 19.46          | Line      | -       | 1.46          | 9.60         | 0.16       | 9.70       |  |  |  |  |
| AV   | 3.79M        | 16.87           | 46.00           | -29.13         | 19.46          | Line      | -       | -2.59         | 9.60         | 0.16       | 9.70       |  |  |  |  |
| QP   | 7.652M       | 30.35           | 60.00           | -29.65         | 19.56          | Line      | -       | 10.79         | 9.64         | 0.21       | 9.71       |  |  |  |  |
| AV   | 7.652M       | 25.44           | 50.00           | -24.56         | 19.56          | Line      | -       | 5.88          | 9.64         | 0.21       | 9.71       |  |  |  |  |
| QP   | 19.475M      | 21.39           | 60.00           | -38.61         | 19.64          | Line      | -       | 1.75          | 9.59         | 0.32       | 9.73       |  |  |  |  |
| AV   | 19.475M      | 18.38           | 50.00           | -31.62         | 19.64          | Line      | -       | -1.26         | 9.59         | 0.32       | 9.73       |  |  |  |  |

## Conducted Emissions at Powerline\_Mode 1



| Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Factor<br>(dB) | Condition | Comment | Raw<br>(dBuV) | LISN<br>(dB) | CL<br>(dB) | AT<br>(dB) |  |  |  |  |
|------|--------------|-----------------|-----------------|----------------|----------------|-----------|---------|---------------|--------------|------------|------------|--|--|--|--|
| QP   | 154.251k     | 55.82           | 65.77           | -9.95          | 19.35          | Neutral   | -       | 36.47         | 9.59         | 0.07       | 9.69       |  |  |  |  |
| AV   | 154.251k     | 37.75           | 55.77           | -18.02         | 19.35          | Neutral   | -       | 18.40         | 9.59         | 0.07       | 9.69       |  |  |  |  |
| QP   | 239.296k     | 41.35           | 62.12           | -20.77         | 19.36          | Neutral   | -       | 21.99         | 9.59         | 0.08       | 9.69       |  |  |  |  |
| AV   | 239.296k     | 24.95           | 52.12           | -27.17         | 19.36          | Neutral   | -       | 5.59          | 9.59         | 0.08       | 9.69       |  |  |  |  |
| QP   | 358.13k      | 37.93           | 58.77           | -20.84         | 19.37          | Neutral   | -       | 18.56         | 9.58         | 0.09       | 9.70       |  |  |  |  |
| AV   | 358.13k      | 29.92           | 48.77           | -18.85         | 19.37          | Neutral   | -       | 10.55         | 9.58         | 0.09       | 9.70       |  |  |  |  |
| QP   | 1.052M       | 28.42           | 56.00           | -27.58         | 19.38          | Neutral   | -       | 9.04          | 9.59         | 0.10       | 9.69       |  |  |  |  |
| AV   | 1.052M       | 22.32           | 46.00           | -23.68         | 19.38          | Neutral   | -       | 2.94          | 9.59         | 0.10       | 9.69       |  |  |  |  |
| QP   | 8.028M       | 32.01           | 60.00           | -27.99         | 19.56          | Neutral   | -       | 12.45         | 9.64         | 0.21       | 9.71       |  |  |  |  |
| AV   | 8.028M       | 26.81           | 50.00           | -23.19         | 19.56          | Neutral   | -       | 7.25          | 9.64         | 0.21       | 9.71       |  |  |  |  |
| QP   | 19.167M      | 20.24           | 60.00           | -39.76         | 19.73          | Neutral   | -       | 0.51          | 9.68         | 0.32       | 9.73       |  |  |  |  |
| AV   | 19.167M      | 17.42           | 50.00           | -32.58         | 19.73          | Neutral   | -       | -2.31         | 9.68         | 0.32       | 9.73       |  |  |  |  |

**Summary**

| Mode                                   | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|----------------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.925-6.425GHz                         | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX(Port2)        | 21.51M           | 17.061M         | 17M1D1D  | 21.45M           | 17.061M         |
| 802.11a_Nss1,(6Mbps)_2TX               | 21.51M           | 17.121M         | 17M1D1D  | 21.36M           | 16.852M         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)  | 21.75M           | 19.07M          | 19M1D1D  | 21.72M           | 19.04M          |
| 802.11ax HEW20_Nss2,(MCS0)_2TX         | 21.75M           | 19.19M          | 19M2D1D  | 21.48M           | 19.1M           |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)  | 40.26M           | 37.721M         | 37M7D1D  | 40.08M           | 37.661M         |
| 802.11ax HEW40_Nss2,(MCS0)_2TX         | 40.08M           | 37.841M         | 37M8D1D  | 39.78M           | 37.721M         |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)  | 81.36M           | 77.241M         | 77M2D1D  | 81.24M           | 77.121M         |
| 802.11ax HEW80_Nss2,(MCS0)_2TX         | 81.84M           | 77.601M         | 77M6D1D  | 81.36M           | 77.241M         |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | 272.64M          | 157.601M        | 158MD1D  | 234M             | 156.882M        |
| 802.11ax HEW160_Nss2,(MCS0)_2TX        | 282.48M          | 157.361M        | 157MD1D  | 163.92M          | 156.162M        |
| 6.425-6.525GHz                         | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX(Port2)        | 21.54M           | 17.091M         | 17M1D1D  | 21.42M           | 17.061M         |
| 802.11a_Nss1,(6Mbps)_2TX               | 21.51M           | 17.121M         | 17M1D1D  | 21.39M           | 16.852M         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)  | 21.69M           | 19.07M          | 19M1D1D  | 21.63M           | 19.04M          |
| 802.11ax HEW20_Nss2,(MCS0)_2TX         | 21.69M           | 19.19M          | 19M2D1D  | 21.51M           | 19.1M           |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)  | 40.2M            | 37.721M         | 37M7D1D  | 40.14M           | 37.661M         |
| 802.11ax HEW40_Nss2,(MCS0)_2TX         | 40.08M           | 37.841M         | 37M8D1D  | 39.84M           | 37.721M         |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)  | 81.36M           | 77.241M         | 77M2D1D  | 81.36M           | 77.241M         |
| 802.11ax HEW80_Nss2,(MCS0)_2TX         | 81.84M           | 77.601M         | 77M6D1D  | 81.36M           | 77.241M         |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | 266.64M          | 157.601M        | 158MD1D  | 266.64M          | 157.601M        |
| 802.11ax HEW160_Nss2,(MCS0)_2TX        | 261.84M          | 156.642M        | 157MD1D  | 164.16M          | 156.642M        |
| 6.525-6.875GHz                         | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX(Port2)        | 21.6M            | 17.091M         | 17M1D1D  | 21.42M           | 17.031M         |
| 802.11a_Nss1,(6Mbps)_2TX               | 21.63M           | 17.121M         | 17M1D1D  | 21.3M            | 16.852M         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)  | 21.63M           | 19.07M          | 19M1D1D  | 21.54M           | 19.04M          |
| 802.11ax HEW20_Nss2,(MCS0)_2TX         | 21.72M           | 19.16M          | 19M2D1D  | 21.51M           | 19.07M          |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)  | 40.26M           | 37.781M         | 37M8D1D  | 40.08M           | 37.661M         |
| 802.11ax HEW40_Nss2,(MCS0)_2TX         | 40.08M           | 37.841M         | 37M8D1D  | 39.84M           | 37.721M         |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)  | 81.48M           | 77.241M         | 77M2D1D  | 81.24M           | 77.121M         |
| 802.11ax HEW80_Nss2,(MCS0)_2TX         | 81.72M           | 77.721M         | 77M7D1D  | 81.36M           | 77.361M         |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | 265.92M          | 157.601M        | 158MD1D  | 256.08M          | 157.361M        |
| 802.11ax HEW160_Nss2,(MCS0)_2TX        | 273.36M          | 157.121M        | 157MD1D  | 164.16M          | 156.402M        |
| 6.875-7.125GHz                         | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX(Port2)        | 21.57M           | 17.121M         | 17M1D1D  | 21.45M           | 17.031M         |
| 802.11a_Nss1,(6Mbps)_2TX               | 21.54M           | 17.151M         | 17M2D1D  | 21.27M           | 16.852M         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)  | 21.69M           | 19.07M          | 19M1D1D  | 21.57M           | 19.04M          |
| 802.11ax HEW20_Nss2,(MCS0)_2TX         | 21.66M           | 19.19M          | 19M2D1D  | 21.48M           | 19.1M           |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)  | 40.2M            | 37.721M         | 37M7D1D  | 40.14M           | 37.661M         |
| 802.11ax HEW40_Nss2,(MCS0)_2TX         | 39.96M           | 37.841M         | 37M8D1D  | 39.78M           | 37.721M         |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)  | 81.48M           | 77.241M         | 77M2D1D  | 81.24M           | 77.001M         |
| 802.11ax HEW80_Nss2,(MCS0)_2TX         | 81.48M           | 77.601M         | 77M6D1D  | 81.12M           | 77.241M         |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | 200.4M           | 156.642M        | 157MD1D  | 200.4M           | 156.642M        |
| 802.11ax HEW160_Nss2,(MCS0)_2TX        | 163.68M          | 156.402M        | 156MD1D  | 163.68M          | 155.682M        |

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)_1TX(Port2)       | -      | -          | -                | -               | -                | -               |
| 5955MHz                               | Pass   | Inf        |                  |                 | 21.51M           | 17.061M         |
| 6175MHz                               | Pass   | Inf        |                  |                 | 21.45M           | 17.061M         |
| 6415MHz                               | Pass   | Inf        |                  |                 | 21.45M           | 17.061M         |
| 6435MHz                               | Pass   | Inf        |                  |                 | 21.42M           | 17.061M         |
| 6475MHz                               | Pass   | Inf        |                  |                 | 21.48M           | 17.061M         |
| 6515MHz                               | Pass   | Inf        |                  |                 | 21.54M           | 17.091M         |
| 6535MHz                               | Pass   | Inf        |                  |                 | 21.42M           | 17.061M         |
| 6695MHz                               | Pass   | Inf        |                  |                 | 21.48M           | 17.031M         |
| 6855MHz                               | Pass   | Inf        |                  |                 | 21.6M            | 17.061M         |
| 6875MHz                               | Pass   | Inf        |                  |                 | 21.57M           | 17.091M         |
| 6895MHz                               | Pass   | Inf        |                  |                 | 21.57M           | 17.061M         |
| 6995MHz                               | Pass   | Inf        |                  |                 | 21.45M           | 17.121M         |
| 7095MHz                               | Pass   | Inf        |                  |                 | 21.45M           | 17.031M         |
| 802.11a_Nss1,(6Mbps)_2TX              | -      | -          | -                | -               | -                | -               |
| 5955MHz                               | Pass   | Inf        | 21.51M           | 17.091M         | 21.36M           | 16.882M         |
| 6175MHz                               | Pass   | Inf        | 21.45M           | 17.121M         | 21.36M           | 16.852M         |
| 6415MHz                               | Pass   | Inf        | 21.45M           | 17.031M         | 21.36M           | 16.852M         |
| 6435MHz                               | Pass   | Inf        | 21.51M           | 17.061M         | 21.39M           | 16.852M         |
| 6475MHz                               | Pass   | Inf        | 21.48M           | 17.091M         | 21.39M           | 16.852M         |
| 6515MHz                               | Pass   | Inf        | 21.39M           | 17.121M         | 21.45M           | 16.852M         |
| 6535MHz                               | Pass   | Inf        | 21.3M            | 17.061M         | 21.33M           | 16.882M         |
| 6695MHz                               | Pass   | Inf        | 21.57M           | 17.121M         | 21.33M           | 16.852M         |
| 6855MHz                               | Pass   | Inf        | 21.63M           | 17.121M         | 21.3M            | 16.852M         |
| 6875MHz                               | Pass   | Inf        | 21.63M           | 17.121M         | 21.39M           | 16.852M         |
| 6895MHz                               | Pass   | Inf        | 21.54M           | 17.121M         | 21.39M           | 16.852M         |
| 6995MHz                               | Pass   | Inf        | 21.54M           | 17.151M         | 21.36M           | 16.882M         |
| 7095MHz                               | Pass   | Inf        | 21.42M           | 17.031M         | 21.27M           | 16.852M         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) | -      | -          | -                | -               | -                | -               |
| 5955MHz                               | Pass   | Inf        |                  |                 | 21.75M           | 19.07M          |
| 6175MHz                               | Pass   | Inf        |                  |                 | 21.72M           | 19.04M          |
| 6415MHz                               | Pass   | Inf        |                  |                 | 21.72M           | 19.04M          |
| 6435MHz                               | Pass   | Inf        |                  |                 | 21.69M           | 19.04M          |
| 6475MHz                               | Pass   | Inf        |                  |                 | 21.63M           | 19.07M          |
| 6515MHz                               | Pass   | Inf        |                  |                 | 21.69M           | 19.07M          |
| 6535MHz                               | Pass   | Inf        |                  |                 | 21.6M            | 19.07M          |
| 6695MHz                               | Pass   | Inf        |                  |                 | 21.63M           | 19.07M          |
| 6855MHz                               | Pass   | Inf        |                  |                 | 21.63M           | 19.07M          |
| 6875MHz                               | Pass   | Inf        |                  |                 | 21.54M           | 19.04M          |
| 6895MHz                               | Pass   | Inf        |                  |                 | 21.66M           | 19.07M          |
| 6995MHz                               | Pass   | Inf        |                  |                 | 21.69M           | 19.07M          |
| 7095MHz                               | Pass   | Inf        |                  |                 | 21.57M           | 19.04M          |
| 802.11ax HEW20_Nss2,(MCS0)_2TX        | -      | -          | -                | -               | -                | -               |
| 5955MHz                               | Pass   | Inf        | 21.63M           | 19.1M           | 21.57M           | 19.16M          |
| 6175MHz                               | Pass   | Inf        | 21.48M           | 19.1M           | 21.63M           | 19.16M          |
| 6415MHz                               | Pass   | Inf        | 21.75M           | 19.1M           | 21.6M            | 19.19M          |
| 6435MHz                               | Pass   | Inf        | 21.69M           | 19.1M           | 21.51M           | 19.19M          |
| 6475MHz                               | Pass   | Inf        | 21.63M           | 19.1M           | 21.6M            | 19.16M          |
| 6515MHz                               | Pass   | Inf        | 21.6M            | 19.1M           | 21.6M            | 19.19M          |
| 6535MHz                               | Pass   | Inf        | 21.72M           | 19.1M           | 21.51M           | 19.16M          |
| 6695MHz                               | Pass   | Inf        | 21.6M            | 19.07M          | 21.66M           | 19.16M          |
| 6855MHz                               | Pass   | Inf        | 21.66M           | 19.1M           | 21.57M           | 19.16M          |
| 6875MHz                               | Pass   | Inf        | 21.6M            | 19.1M           | 21.6M            | 19.16M          |
| 6895MHz                               | Pass   | Inf        | 21.6M            | 19.1M           | 21.54M           | 19.16M          |
| 6995MHz                               | Pass   | Inf        | 21.66M           | 19.13M          | 21.63M           | 19.19M          |



## EBW\_Non-Beamforming\_Internal

## Appendix B.1

| Mode                                   | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) |
|----------------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|
| 7095MHz                                | Pass   | Inf        | 21.57M           | 19.1M           | 21.48M           | 19.16M          |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)  | -      | -          | -                | -               | -                | -               |
| 5965MHz                                | Pass   | Inf        |                  |                 | 40.08M           | 37.721M         |
| 6165MHz                                | Pass   | Inf        |                  |                 | 40.14M           | 37.721M         |
| 6405MHz                                | Pass   | Inf        |                  |                 | 40.26M           | 37.661M         |
| 6445MHz                                | Pass   | Inf        |                  |                 | 40.2M            | 37.661M         |
| 6485MHz                                | Pass   | Inf        |                  |                 | 40.14M           | 37.721M         |
| 6525MHz                                | Pass   | Inf        |                  |                 | 40.2M            | 37.721M         |
| 6565MHz                                | Pass   | Inf        |                  |                 | 40.08M           | 37.661M         |
| 6685MHz                                | Pass   | Inf        |                  |                 | 40.2M            | 37.661M         |
| 6845MHz                                | Pass   | Inf        |                  |                 | 40.26M           | 37.721M         |
| 6885MHz                                | Pass   | Inf        |                  |                 | 40.14M           | 37.781M         |
| 6925MHz                                | Pass   | Inf        |                  |                 | 40.2M            | 37.721M         |
| 7005MHz                                | Pass   | Inf        |                  |                 | 40.14M           | 37.661M         |
| 7085MHz                                | Pass   | Inf        |                  |                 | 40.14M           | 37.721M         |
| 802.11ax HEW40_Nss2,(MCS0)_2TX         | -      | -          | -                | -               | -                | -               |
| 5965MHz                                | Pass   | Inf        | 39.78M           | 37.781M         | 39.96M           | 37.781M         |
| 6165MHz                                | Pass   | Inf        | 39.78M           | 37.841M         | 40.08M           | 37.721M         |
| 6405MHz                                | Pass   | Inf        | 40.02M           | 37.841M         | 39.96M           | 37.721M         |
| 6445MHz                                | Pass   | Inf        | 40.02M           | 37.841M         | 39.96M           | 37.721M         |
| 6485MHz                                | Pass   | Inf        | 39.9M            | 37.841M         | 39.96M           | 37.781M         |
| 6525MHz                                | Pass   | Inf        | 39.84M           | 37.841M         | 40.08M           | 37.721M         |
| 6565MHz                                | Pass   | Inf        | 40.02M           | 37.841M         | 39.96M           | 37.721M         |
| 6685MHz                                | Pass   | Inf        | 39.9M            | 37.841M         | 40.08M           | 37.721M         |
| 6845MHz                                | Pass   | Inf        | 39.84M           | 37.841M         | 40.02M           | 37.781M         |
| 6885MHz                                | Pass   | Inf        | 39.84M           | 37.841M         | 40.02M           | 37.721M         |
| 6925MHz                                | Pass   | Inf        | 39.9M            | 37.841M         | 39.96M           | 37.781M         |
| 7005MHz                                | Pass   | Inf        | 39.78M           | 37.781M         | 39.9M            | 37.721M         |
| 7085MHz                                | Pass   | Inf        | 39.84M           | 37.841M         | 39.96M           | 37.841M         |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)  | -      | -          | -                | -               | -                | -               |
| 5985MHz                                | Pass   | Inf        |                  |                 | 81.36M           | 77.121M         |
| 6145MHz                                | Pass   | Inf        |                  |                 | 81.24M           | 77.241M         |
| 6385MHz                                | Pass   | Inf        |                  |                 | 81.36M           | 77.241M         |
| 6465MHz                                | Pass   | Inf        |                  |                 | 81.36M           | 77.241M         |
| 6545MHz                                | Pass   | Inf        |                  |                 | 81.36M           | 77.241M         |
| 6625MHz                                | Pass   | Inf        |                  |                 | 81.36M           | 77.121M         |
| 6705MHz                                | Pass   | Inf        |                  |                 | 81.48M           | 77.121M         |
| 6785MHz                                | Pass   | Inf        |                  |                 | 81.24M           | 77.121M         |
| 6865MHz                                | Pass   | Inf        |                  |                 | 81.24M           | 77.241M         |
| 6945MHz                                | Pass   | Inf        |                  |                 | 81.24M           | 77.241M         |
| 7025MHz                                | Pass   | Inf        |                  |                 | 81.48M           | 77.001M         |
| 802.11ax HEW80_Nss2,(MCS0)_2TX         | -      | -          | -                | -               | -                | -               |
| 5985MHz                                | Pass   | Inf        | 81.72M           | 77.361M         | 81.36M           | 77.361M         |
| 6145MHz                                | Pass   | Inf        | 81.84M           | 77.241M         | 81.84M           | 77.241M         |
| 6385MHz                                | Pass   | Inf        | 81.48M           | 77.241M         | 81.36M           | 77.601M         |
| 6465MHz                                | Pass   | Inf        | 81.6M            | 77.241M         | 81.36M           | 77.601M         |
| 6545MHz                                | Pass   | Inf        | 81.84M           | 77.241M         | 81.48M           | 77.601M         |
| 6625MHz                                | Pass   | Inf        | 81.6M            | 77.481M         | 81.36M           | 77.721M         |
| 6705MHz                                | Pass   | Inf        | 81.72M           | 77.361M         | 81.36M           | 77.601M         |
| 6785MHz                                | Pass   | Inf        | 81.48M           | 77.361M         | 81.36M           | 77.481M         |
| 6865MHz                                | Pass   | Inf        | 81.72M           | 77.481M         | 81.48M           | 77.601M         |
| 6945MHz                                | Pass   | Inf        | 81.36M           | 77.361M         | 81.48M           | 77.601M         |
| 7025MHz                                | Pass   | Inf        | 81.12M           | 77.241M         | 81.24M           | 77.361M         |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | -      | -          | -                | -               | -                | -               |
| 6025MHz                                | Pass   | Inf        |                  |                 | 234M             | 156.882M        |
| 6185MHz                                | Pass   | Inf        |                  |                 | 265.92M          | 157.601M        |



| Mode                            | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|---------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 6345MHz                         | Pass   | Inf           |                     |                    | 272.64M             | 157.601M           |
| 6505MHz                         | Pass   | Inf           |                     |                    | 266.64M             | 157.601M           |
| 6665MHz                         | Pass   | Inf           |                     |                    | 256.08M             | 157.361M           |
| 6825MHz                         | Pass   | Inf           |                     |                    | 265.92M             | 157.601M           |
| 6985MHz                         | Pass   | Inf           |                     |                    | 200.4M              | 156.642M           |
| 802.11ax HEW160_Nss2,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 6025MHz                         | Pass   | Inf           | 243.84M             | 157.361M           | 271.2M              | 156.642M           |
| 6185MHz                         | Pass   | Inf           | 264M                | 157.361M           | 282.48M             | 157.121M           |
| 6345MHz                         | Pass   | Inf           | 163.92M             | 156.162M           | 264.24M             | 156.882M           |
| 6505MHz                         | Pass   | Inf           | 164.16M             | 156.642M           | 261.84M             | 156.642M           |
| 6665MHz                         | Pass   | Inf           | 251.28M             | 157.121M           | 260.4M              | 156.882M           |
| 6825MHz                         | Pass   | Inf           | 164.16M             | 156.402M           | 273.36M             | 157.121M           |
| 6985MHz                         | Pass   | Inf           | 163.68M             | 155.682M           | 163.68M             | 156.402M           |

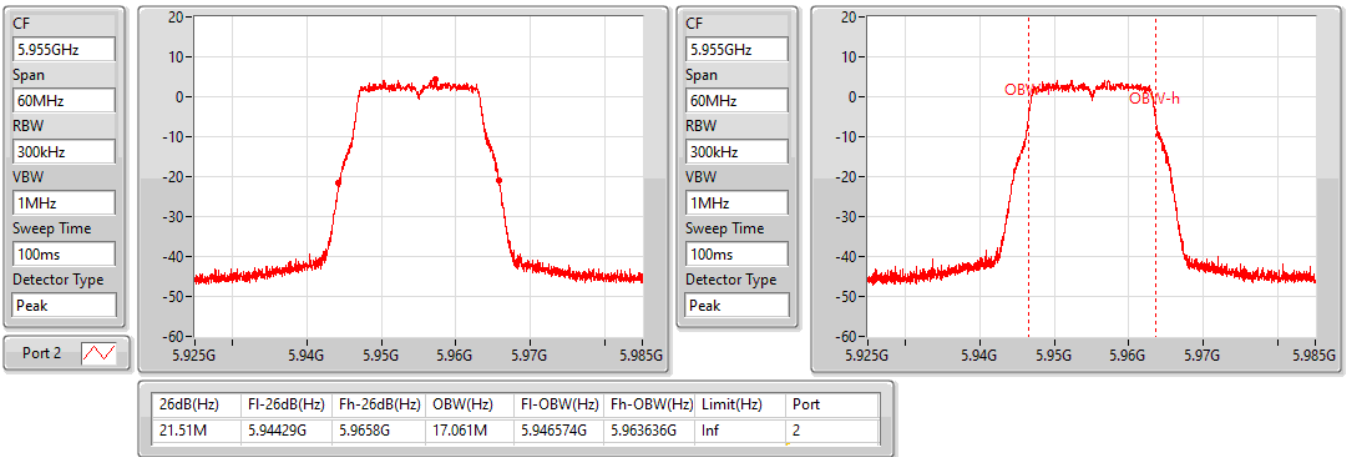
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

5955MHz

24/05/2022

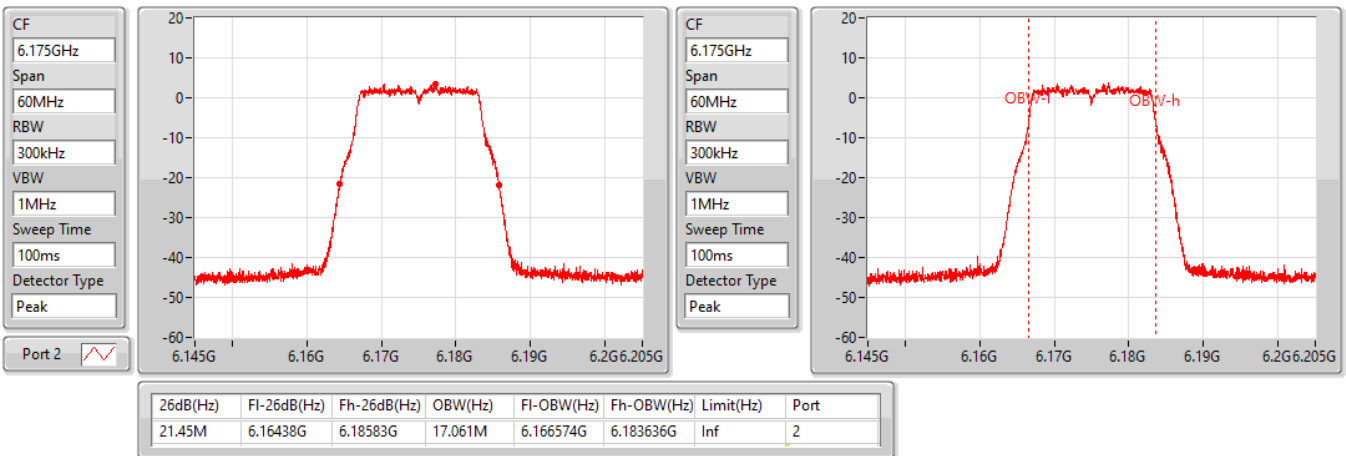


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6175MHz

24/05/2022

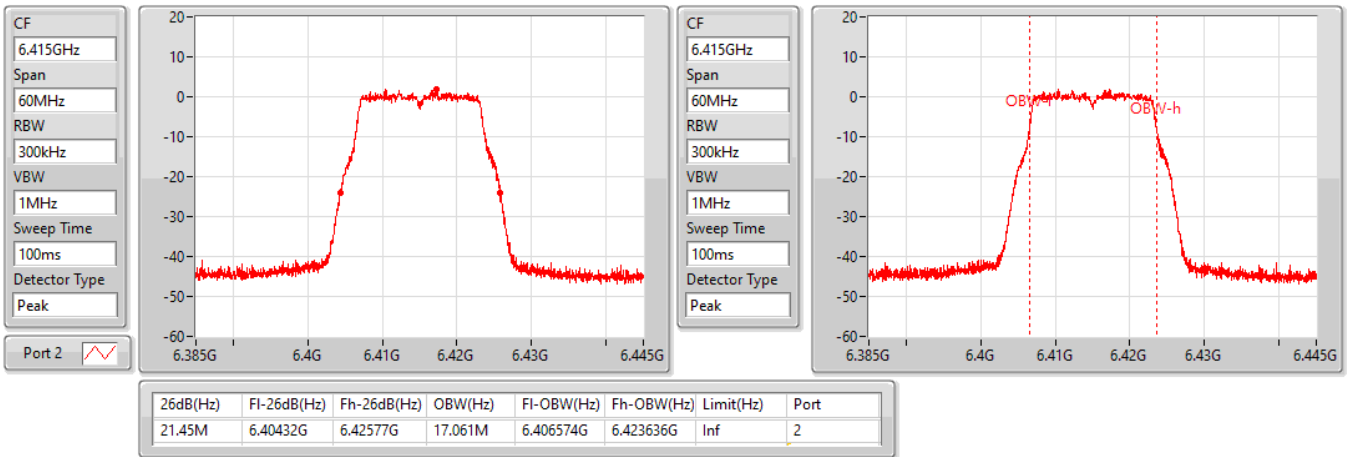


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6415MHz

24/05/2022

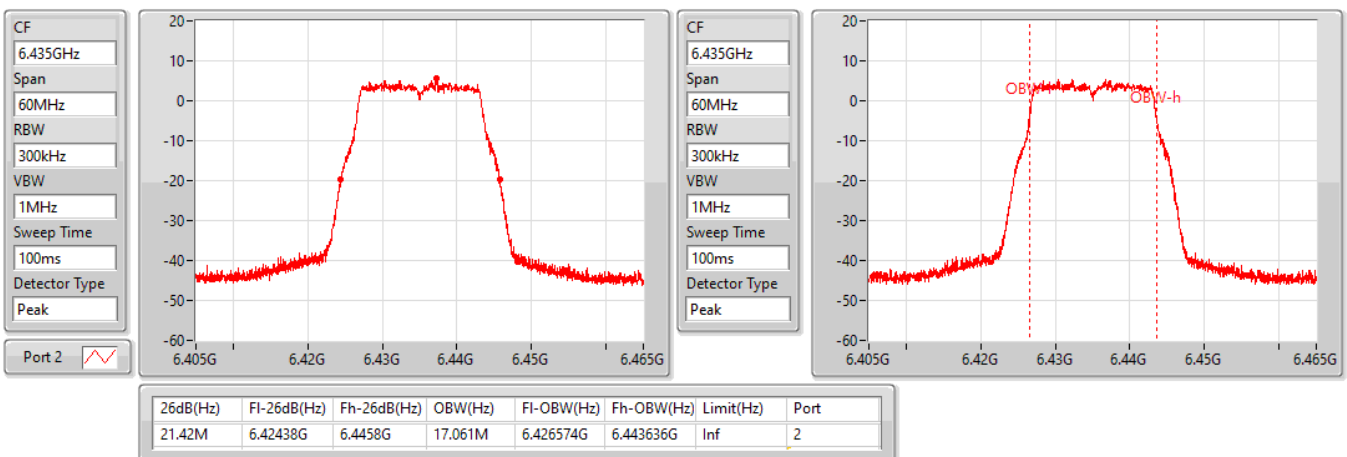


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6435MHz

24/05/2022

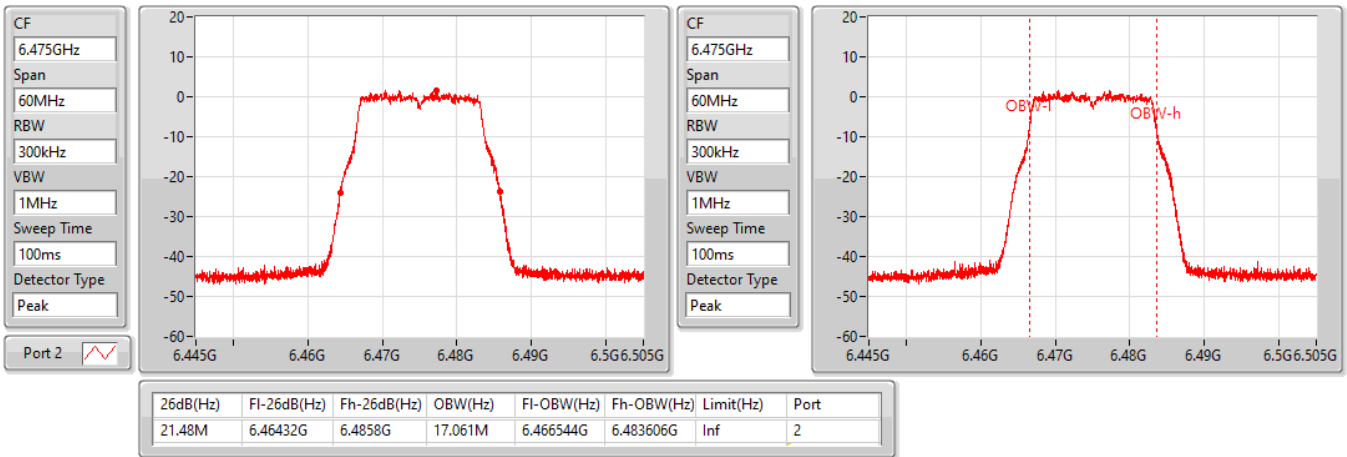


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6475MHz

24/05/2022

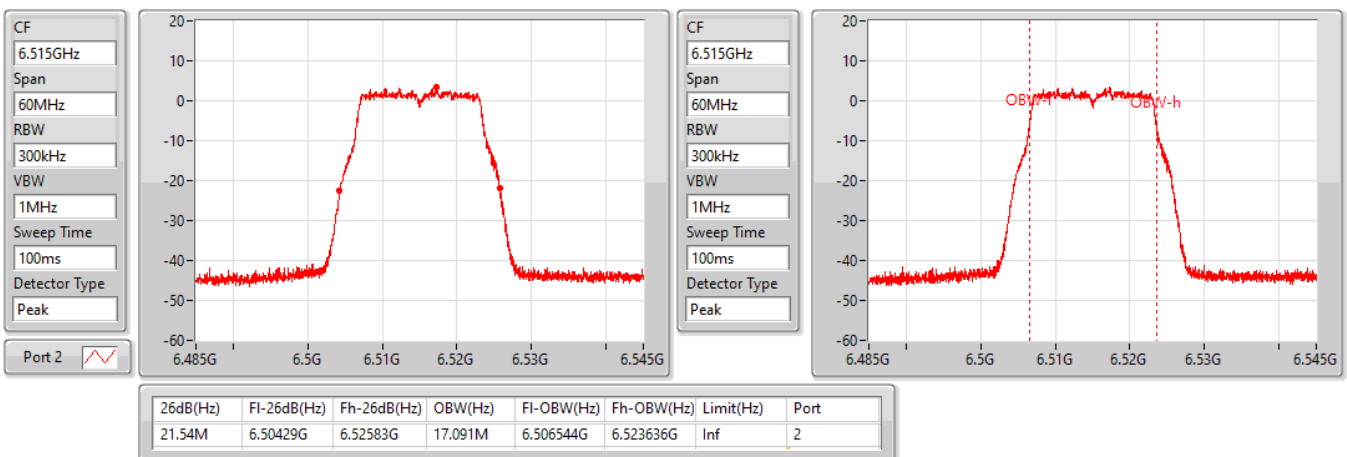


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6515MHz

24/05/2022

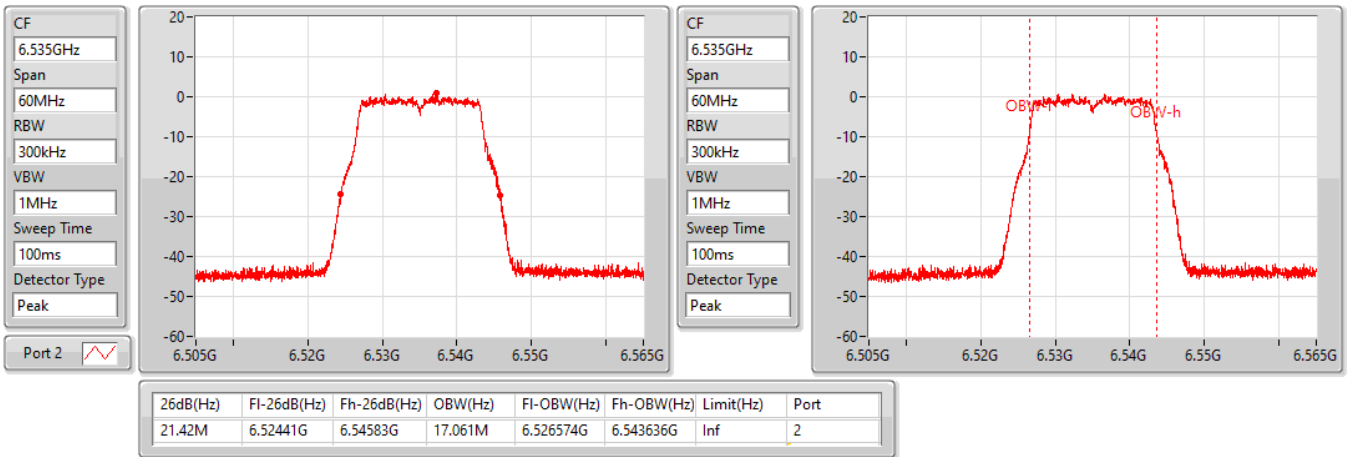


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6535MHz

24/05/2022

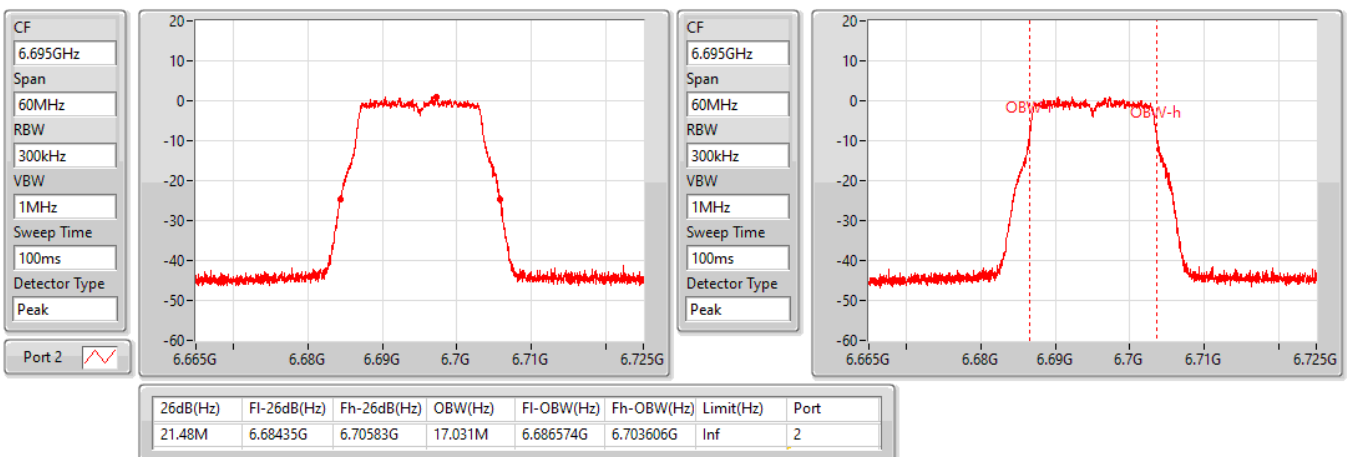


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6695MHz

24/05/2022

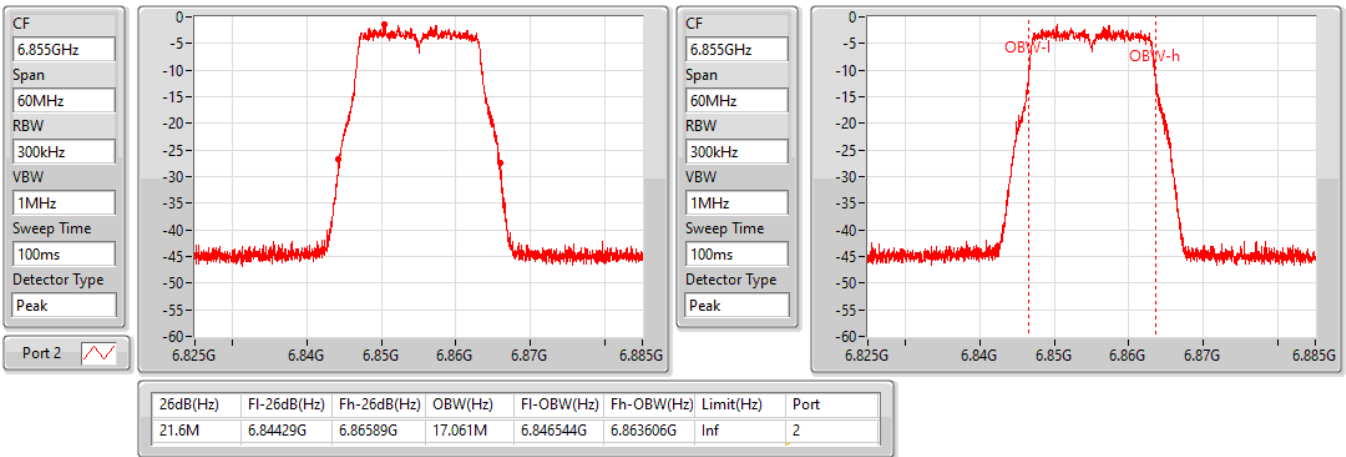


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6855MHz

24/05/2022

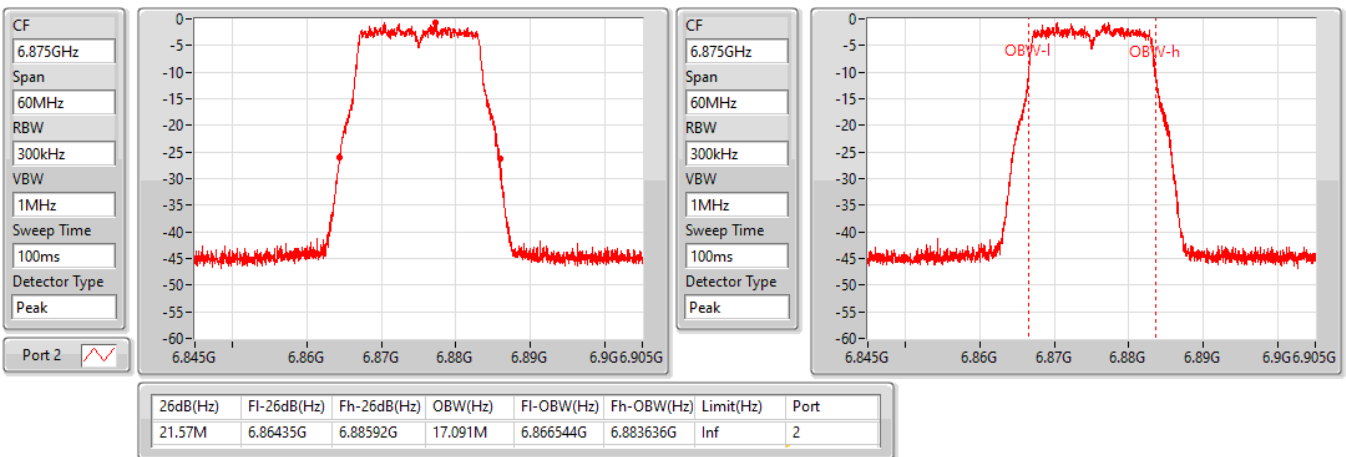


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

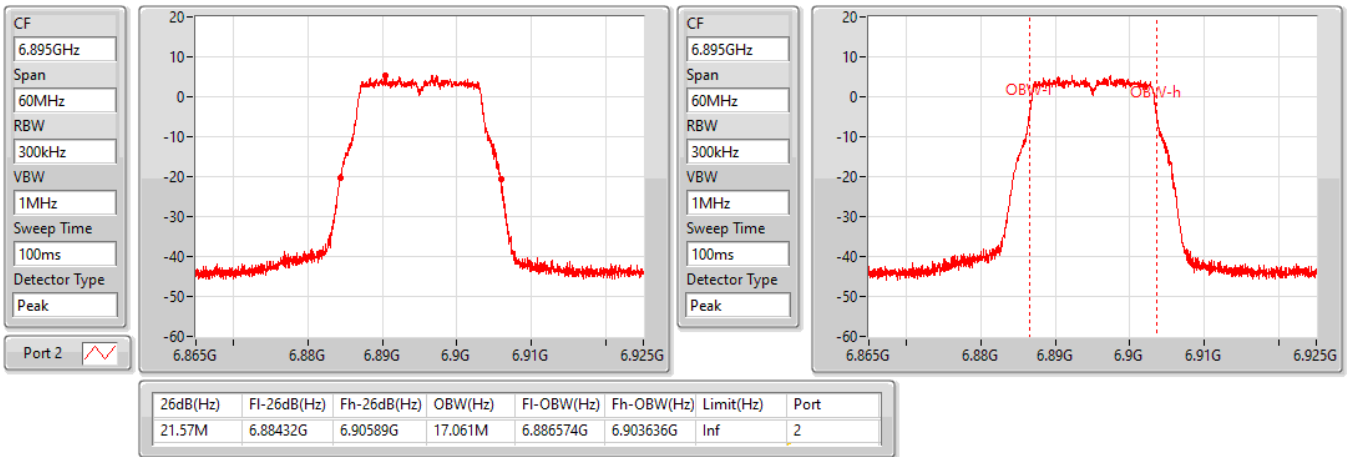
6875MHz

24/05/2022

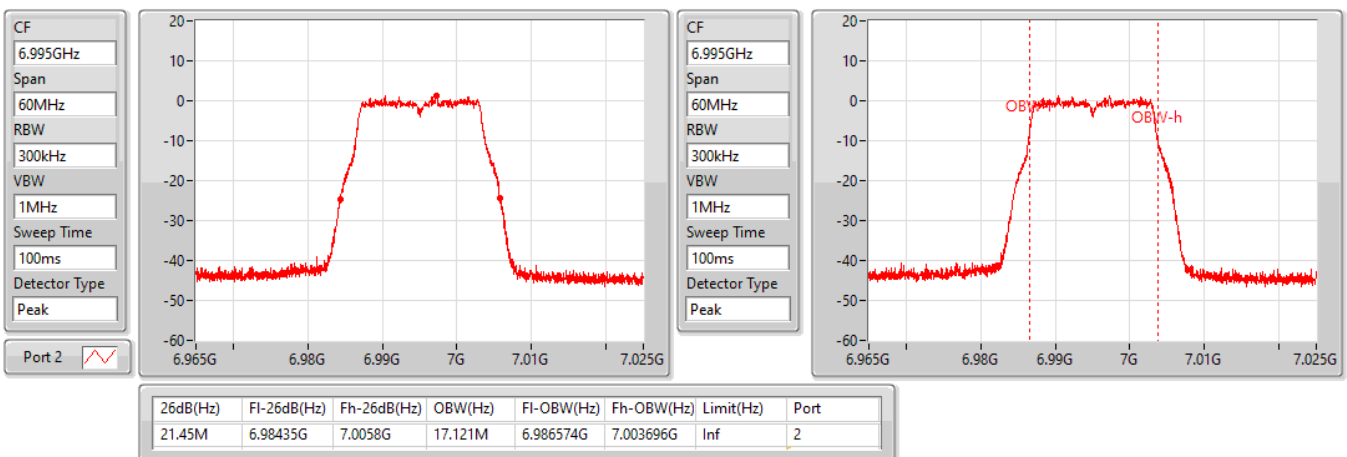


**802.11a\_Nss1,(6Mbps)\_1TX(Port2)**
**EBW**
**6895MHz**

24/05/2022


**802.11a\_Nss1,(6Mbps)\_1TX(Port2)**
**EBW**
**6995MHz**

24/05/2022

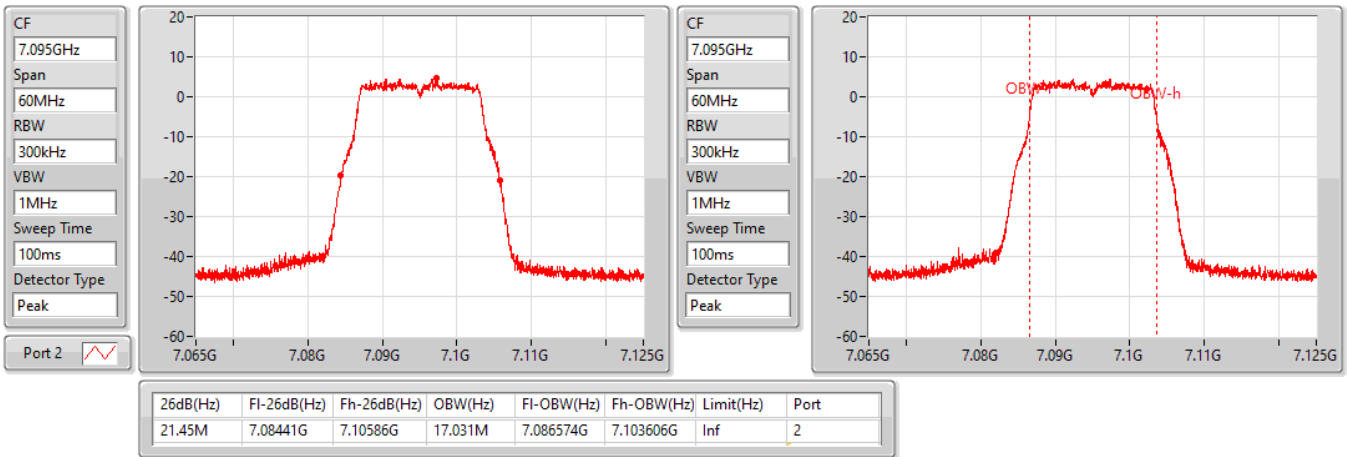


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

7095MHz

24/05/2022

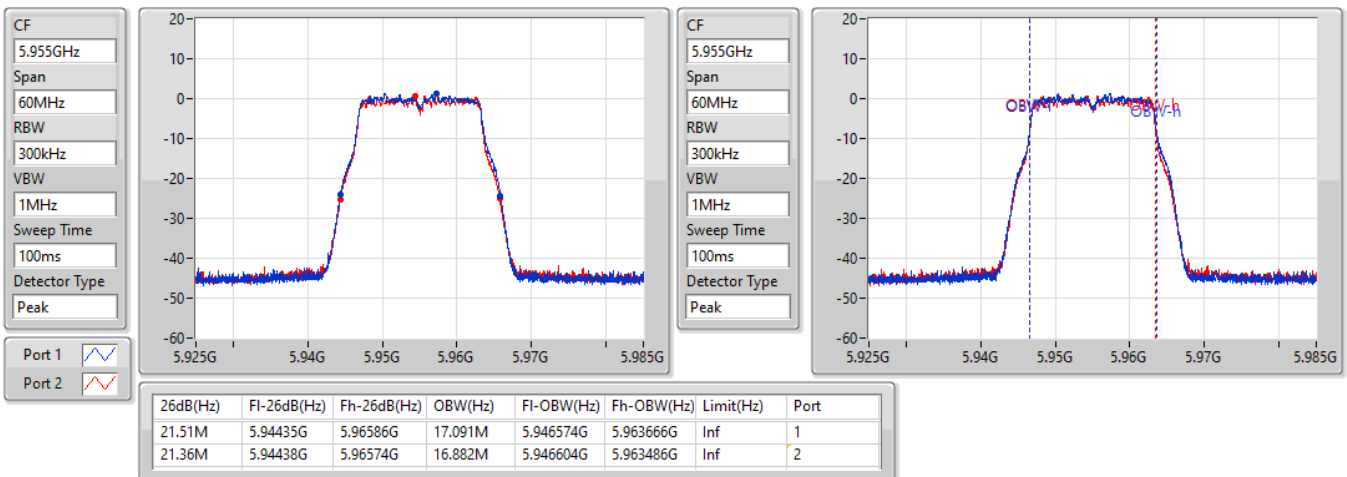


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5955MHz

24/05/2022

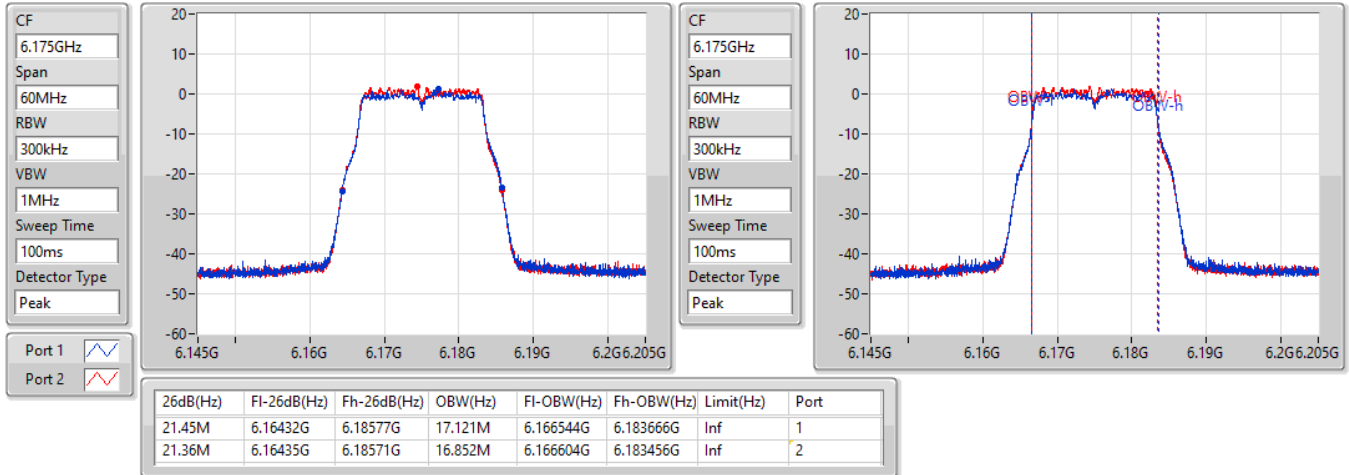


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6175MHz

24/05/2022

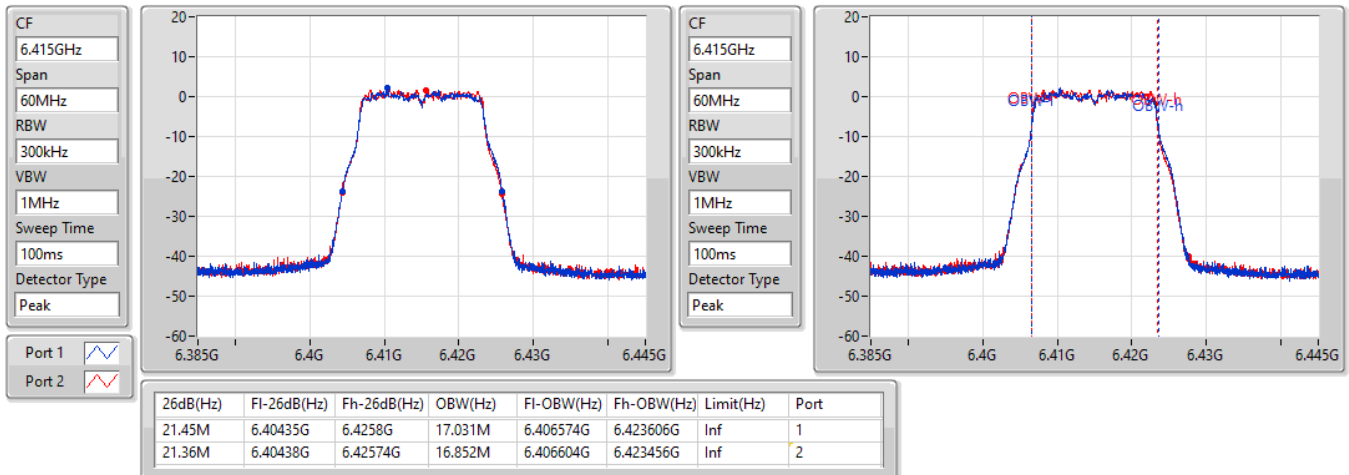


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6415MHz

24/05/2022

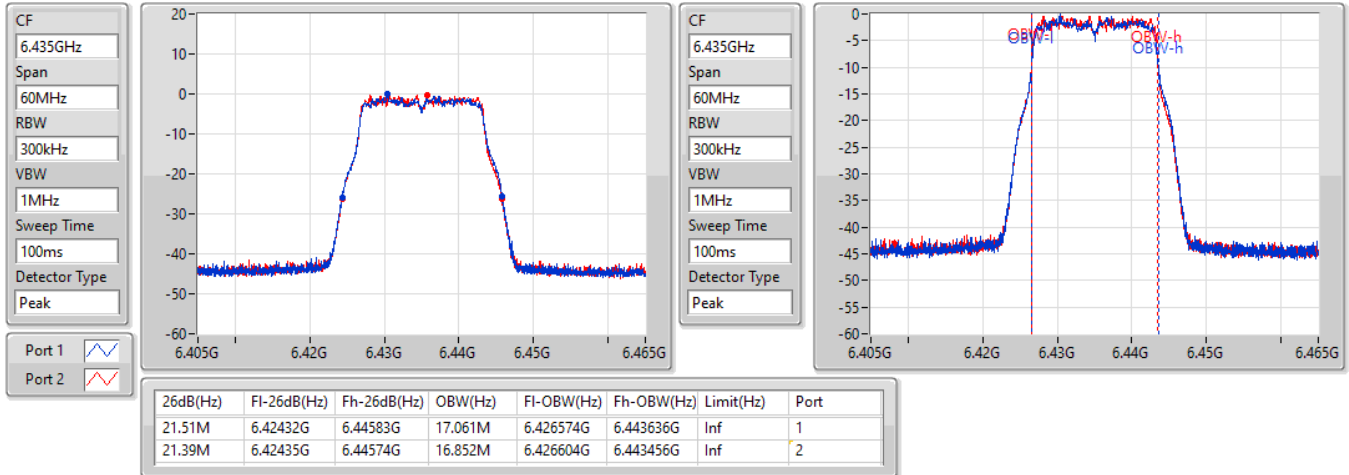


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6435MHz

24/05/2022

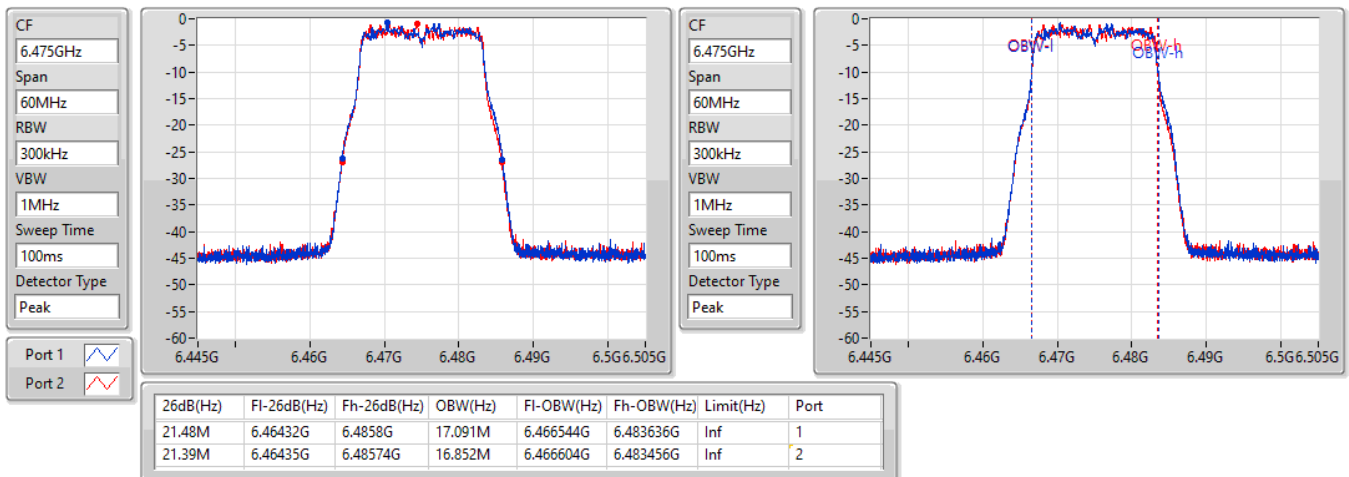


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6475MHz

24/05/2022

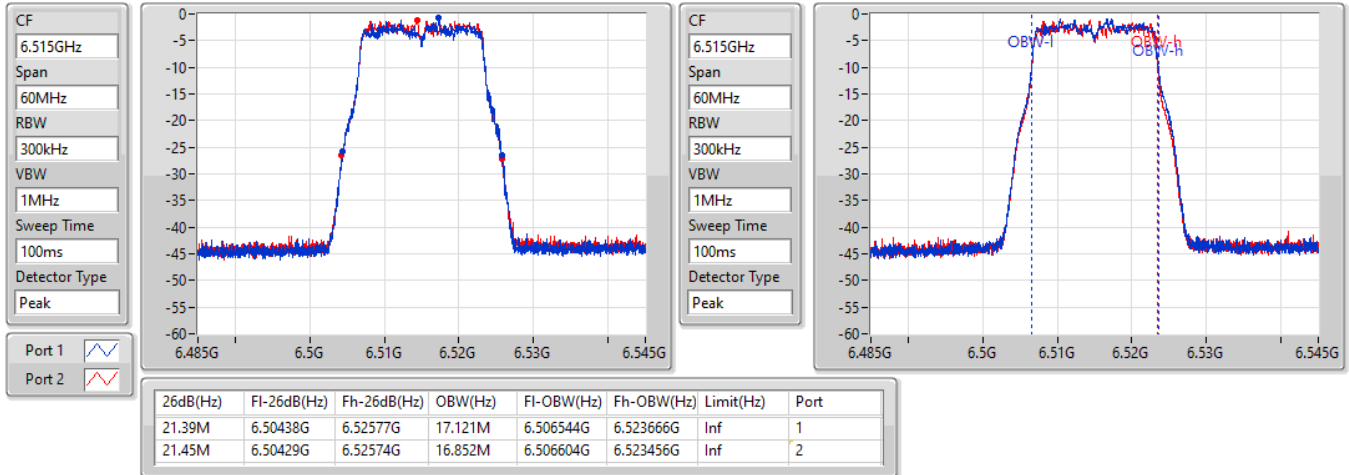


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6515MHz

24/05/2022

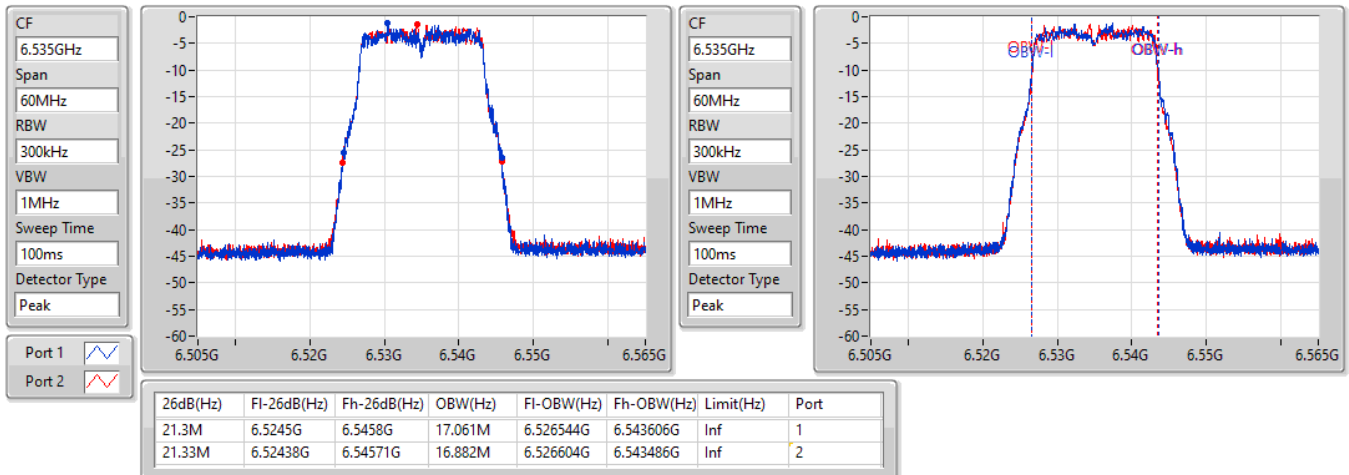


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6535MHz

24/05/2022

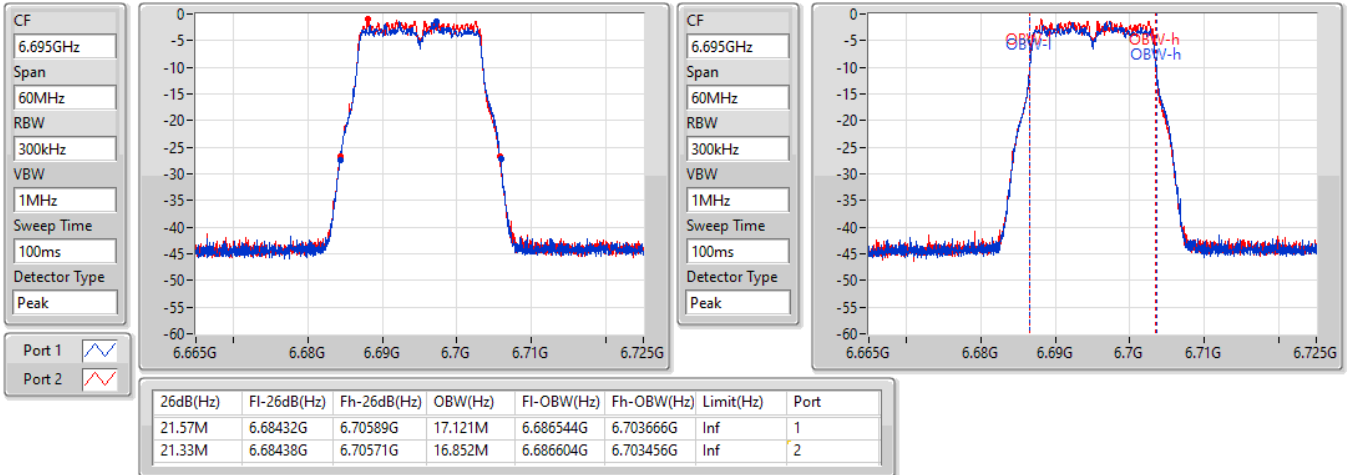


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6695MHz

24/05/2022

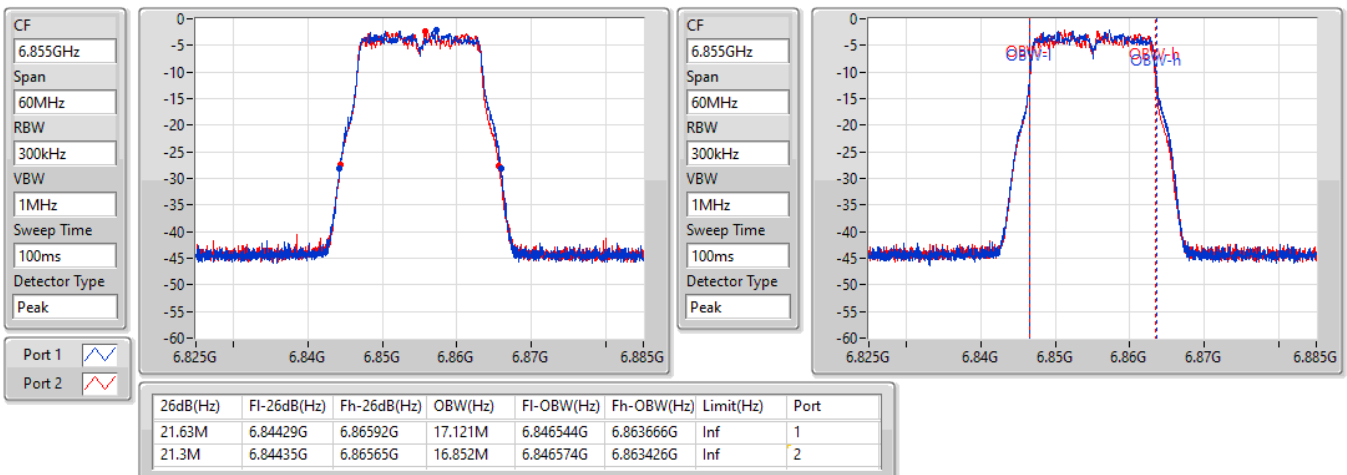


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6855MHz

24/05/2022

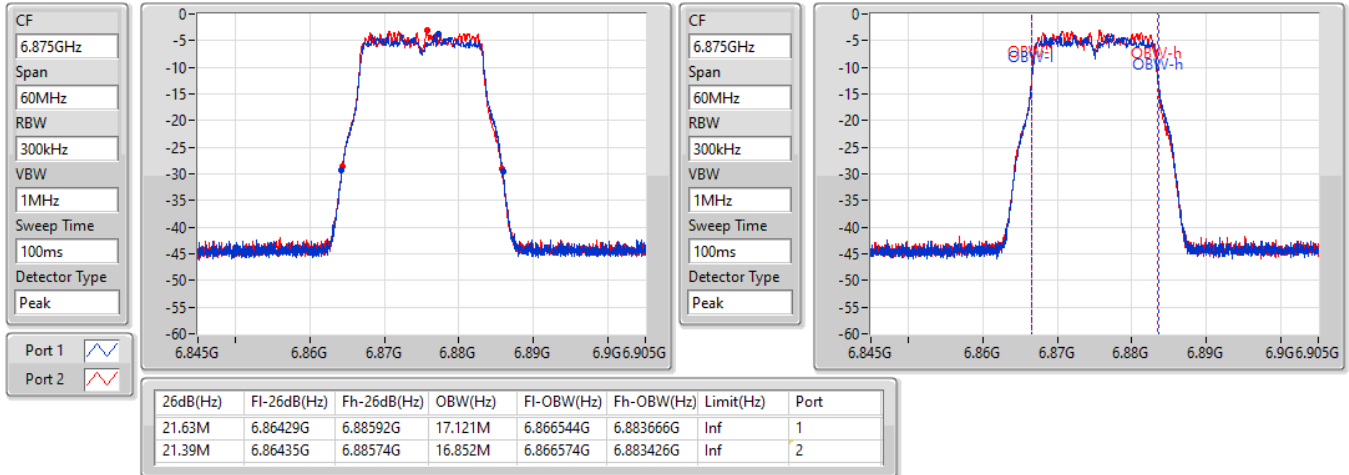


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6875MHz

24/05/2022

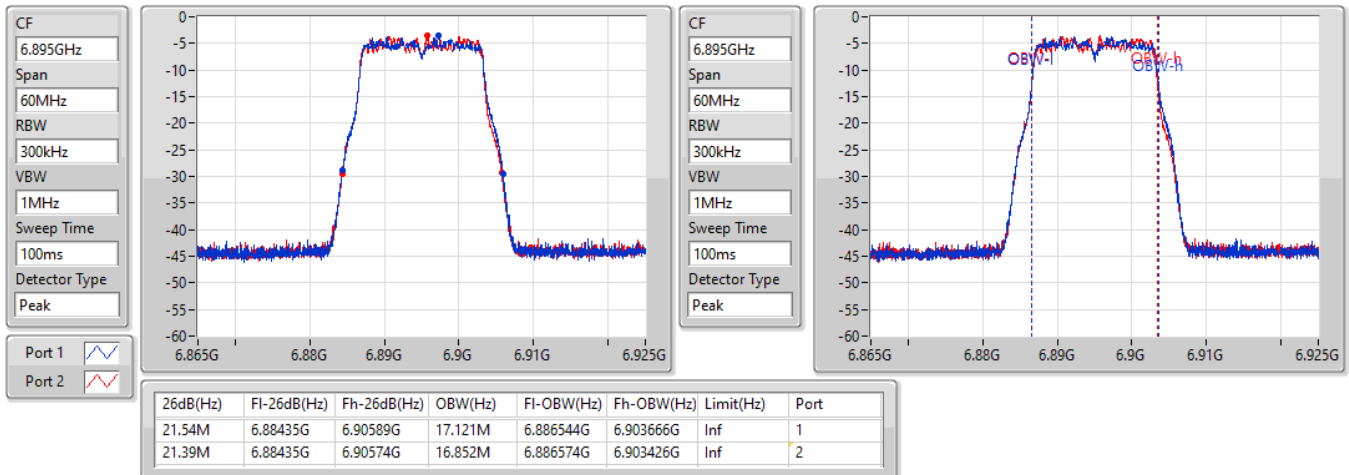


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6895MHz

24/05/2022

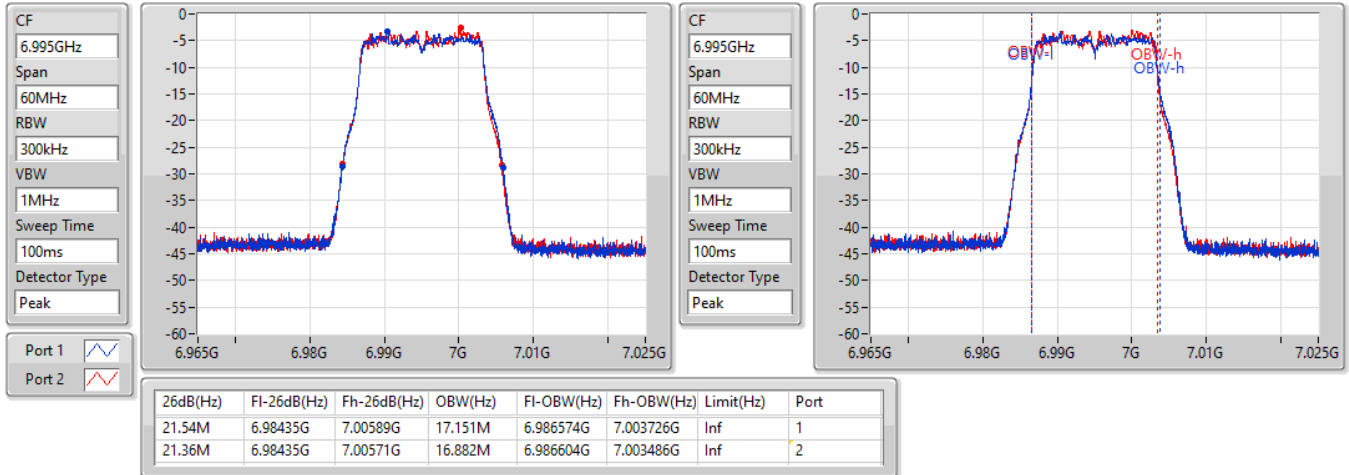


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6995MHz

24/05/2022

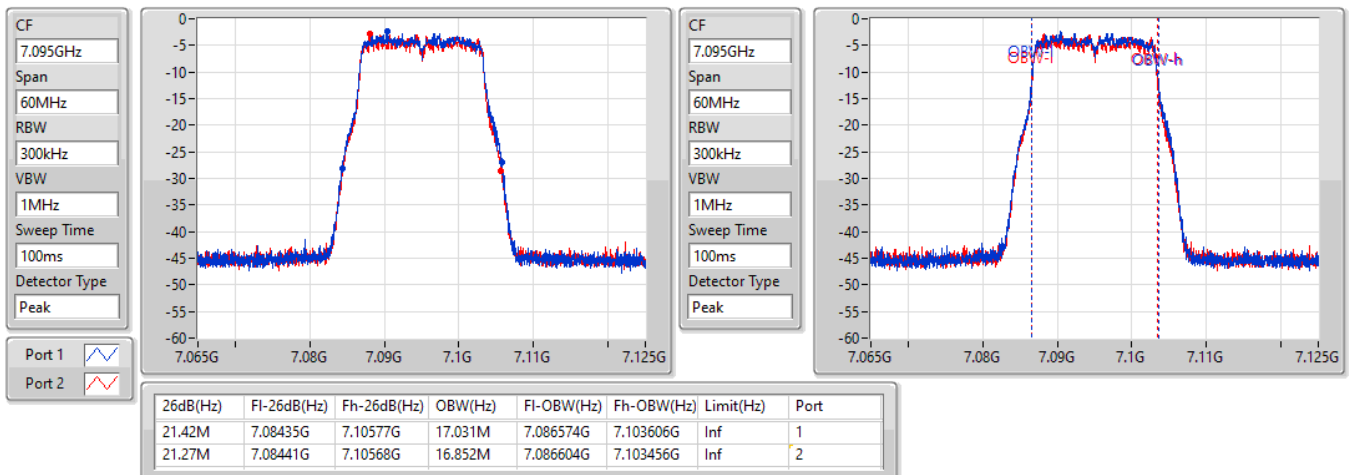


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

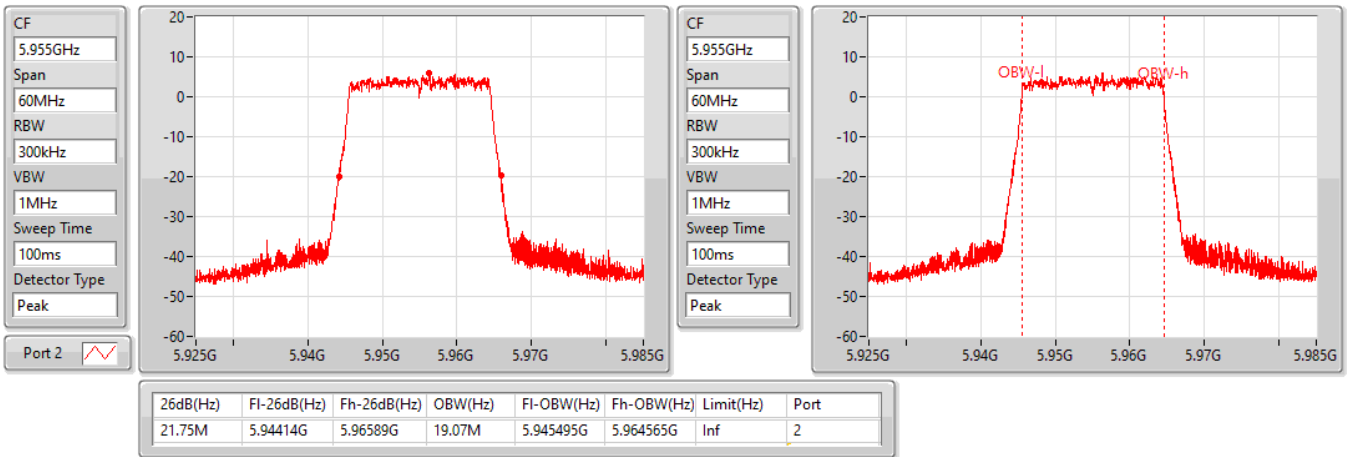
7095MHz

24/05/2022

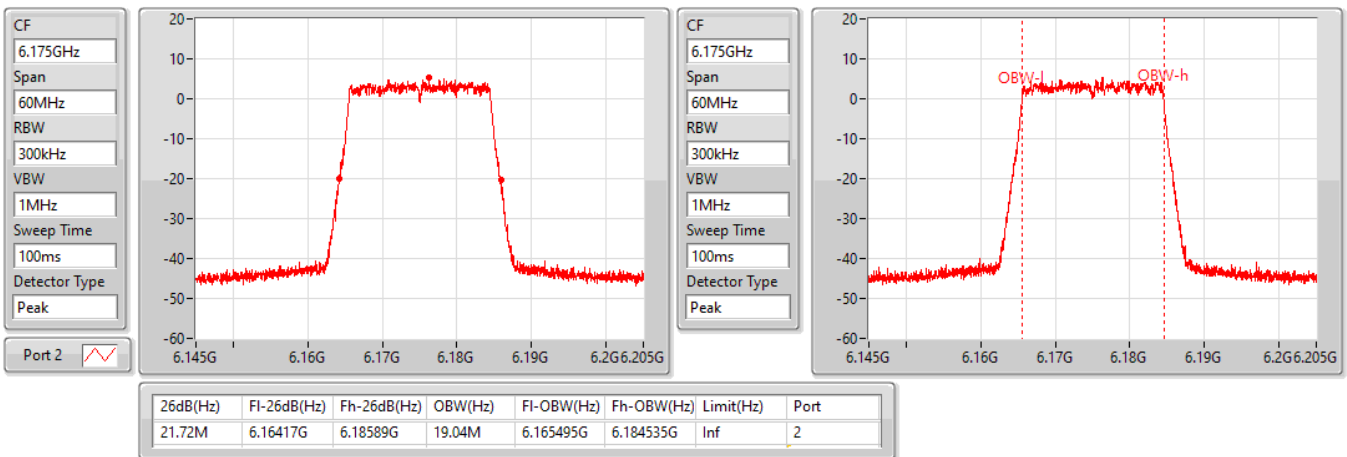


**802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**5955MHz**

24/05/2022


**802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6175MHz**

24/05/2022

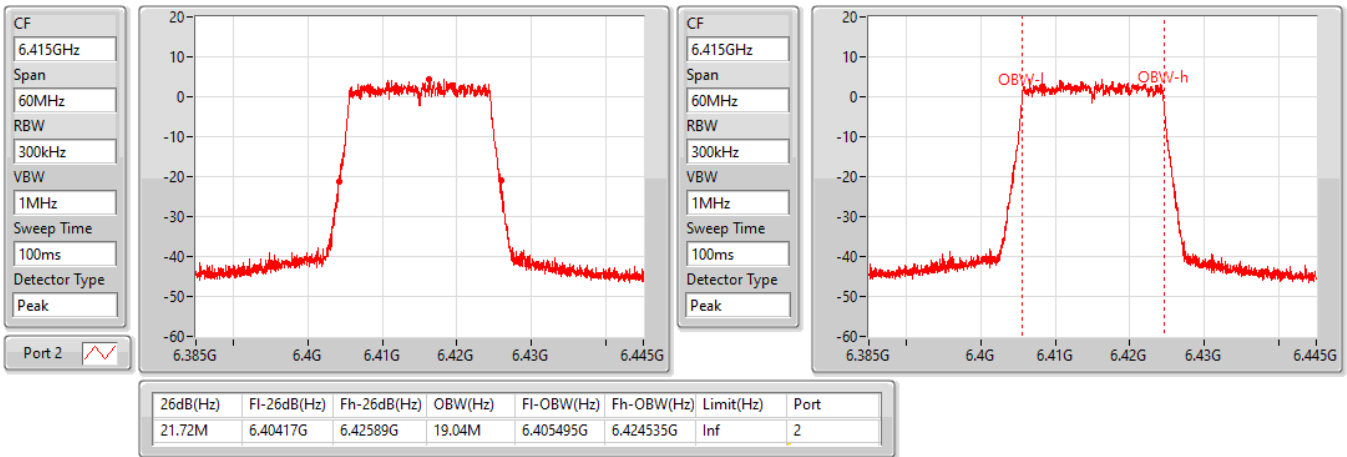


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

6415MHz

24/05/2022

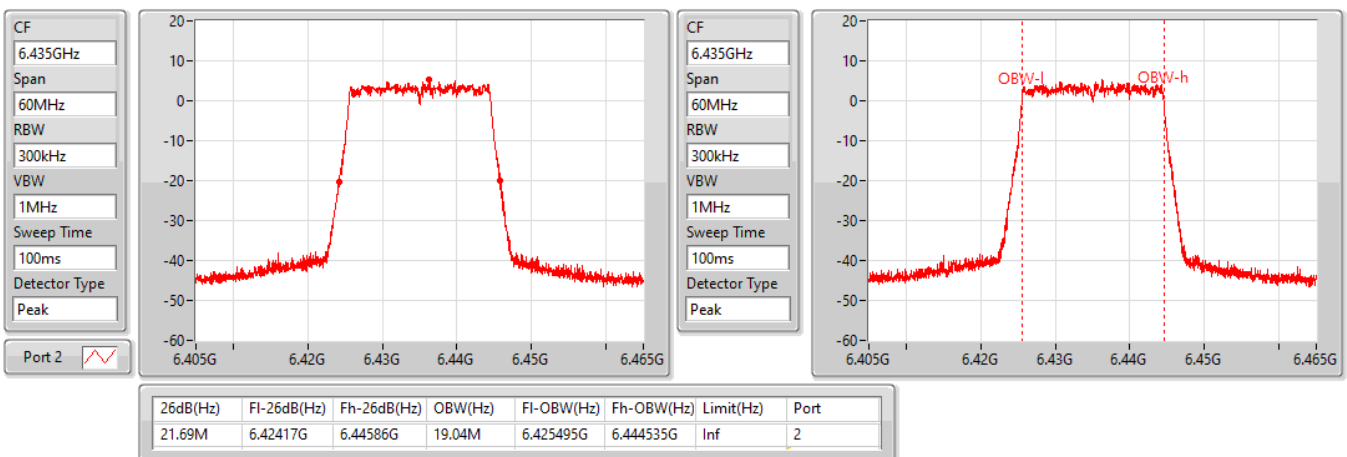


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

6435MHz

24/05/2022

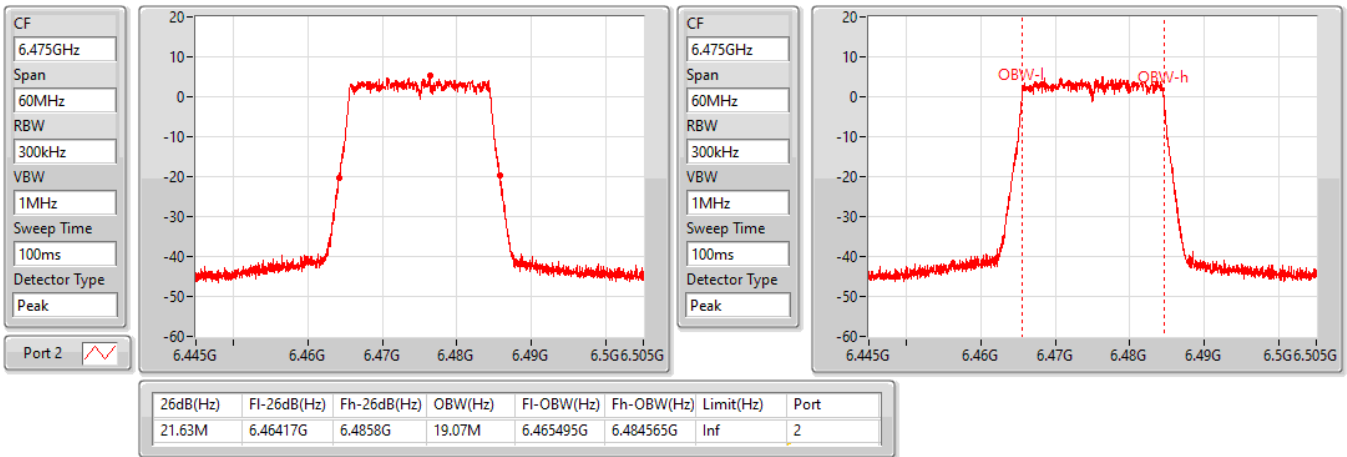


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

6475MHz

24/05/2022

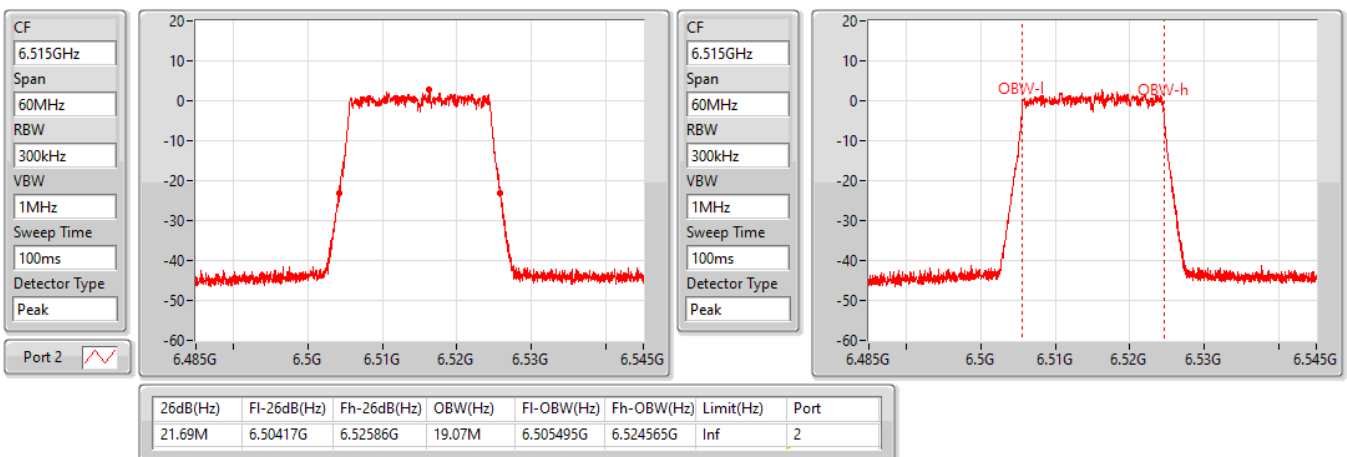


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

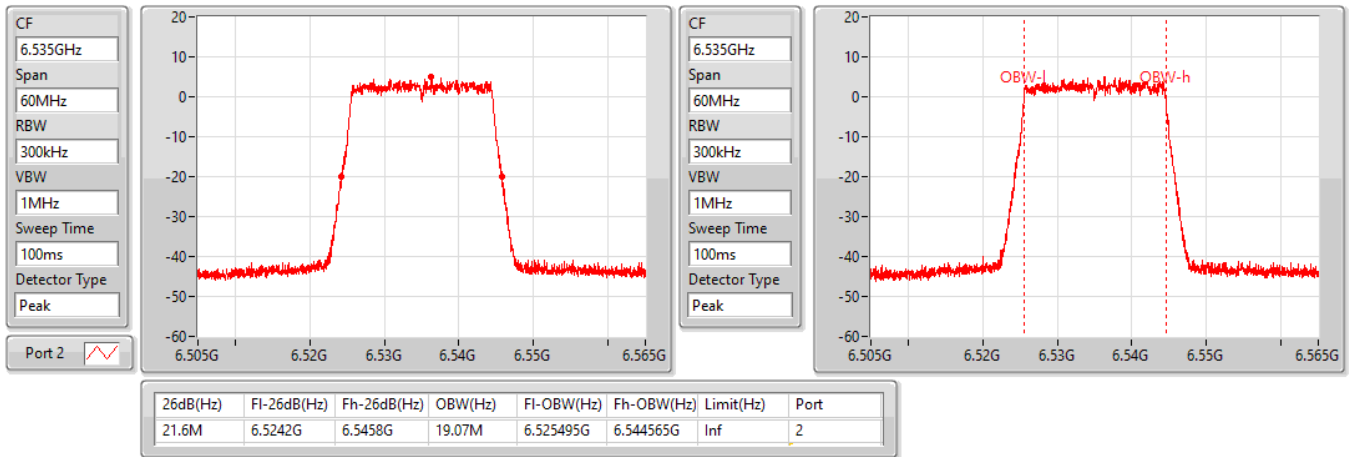
6515MHz

24/05/2022

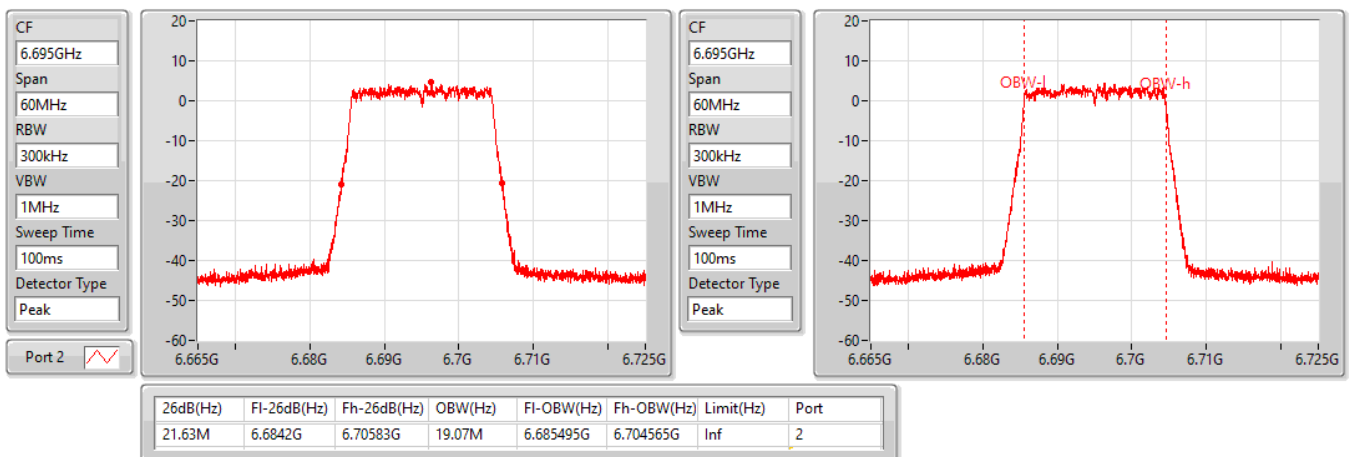


**802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6535MHz**

24/05/2022

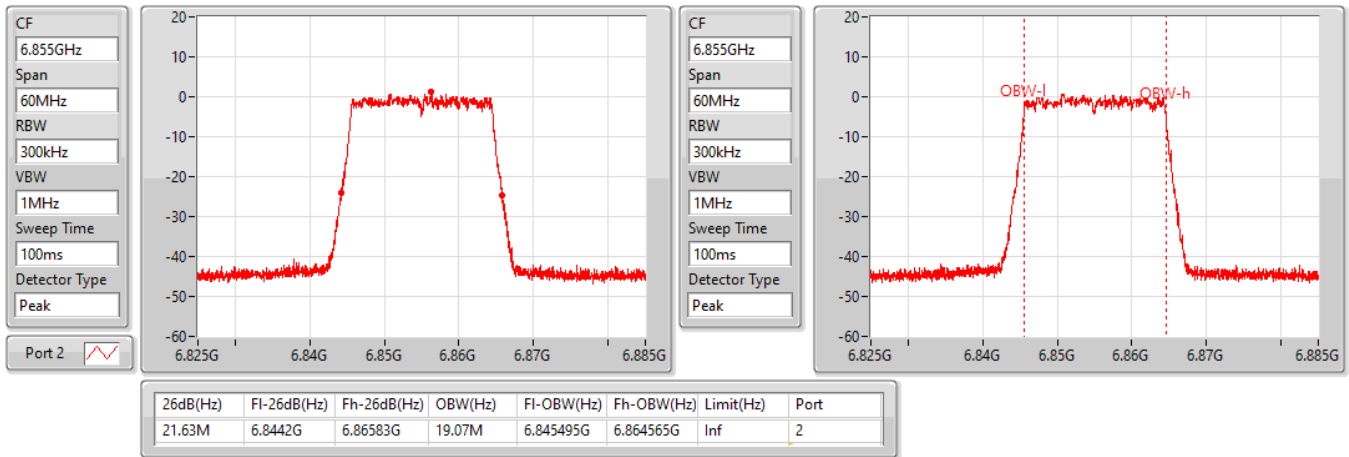

**802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6695MHz**

24/05/2022

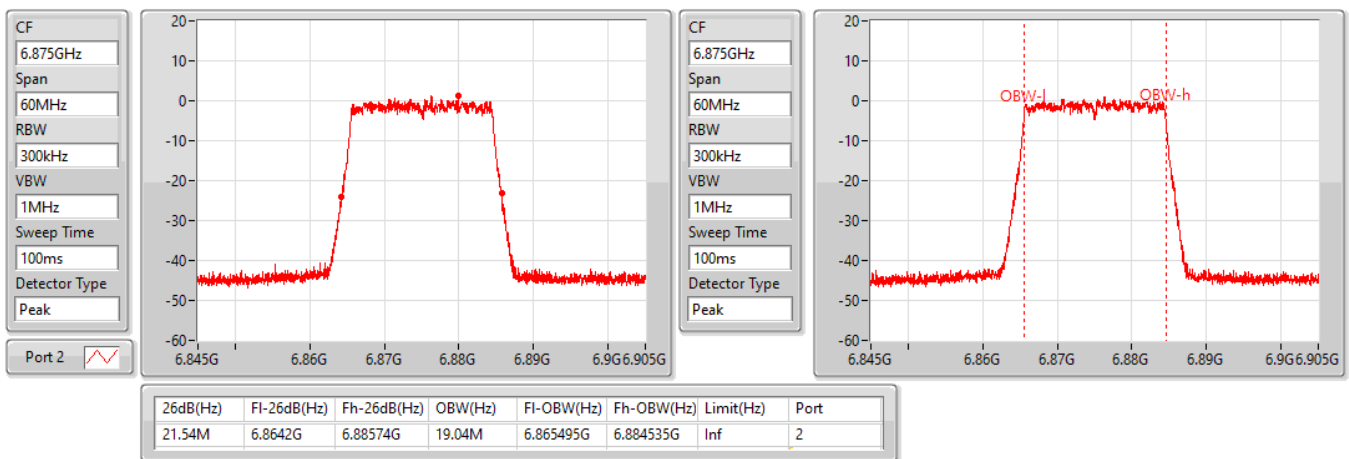


**802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6855MHz**

24/05/2022

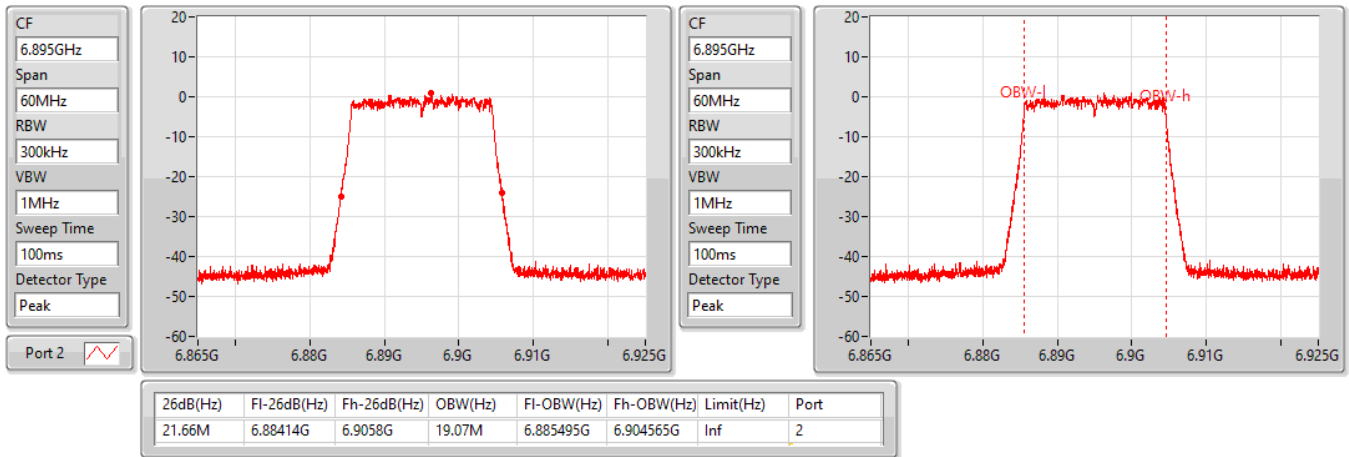

**802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6875MHz**

24/05/2022

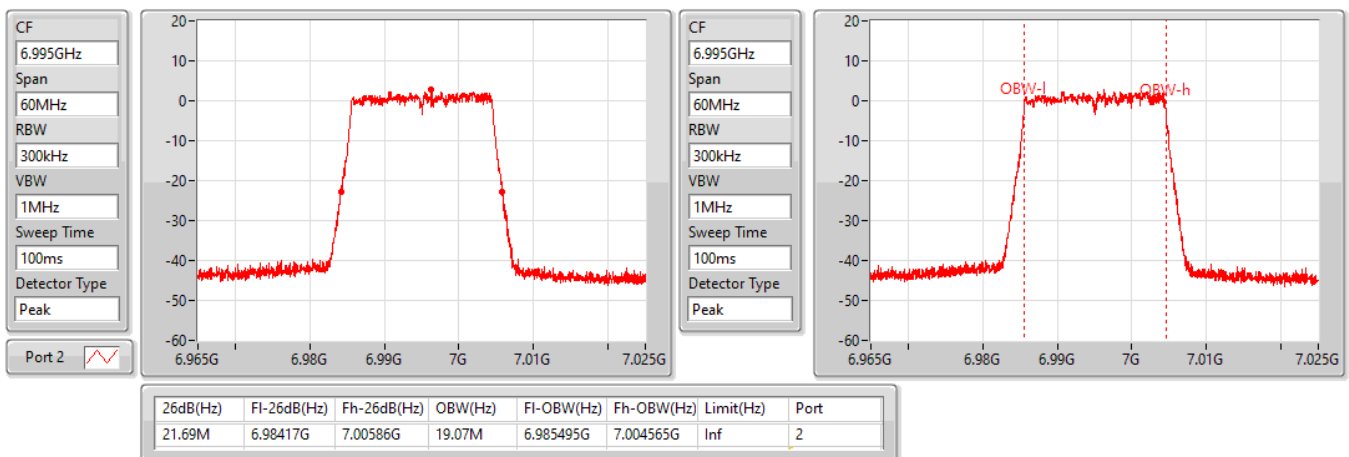


**802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6895MHz**

24/05/2022


**802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6995MHz**

24/05/2022

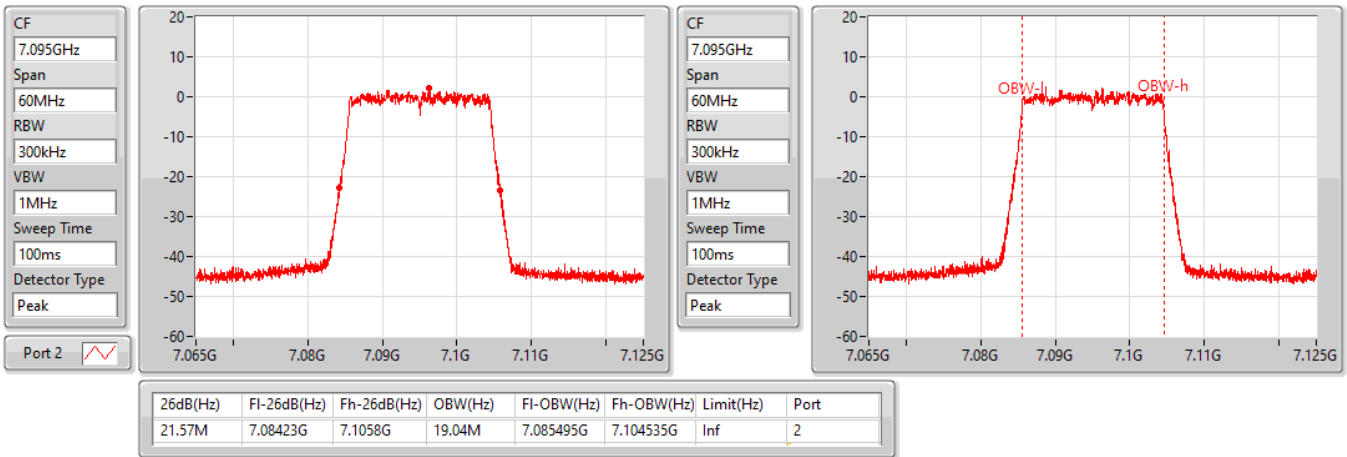


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

7095MHz

24/05/2022

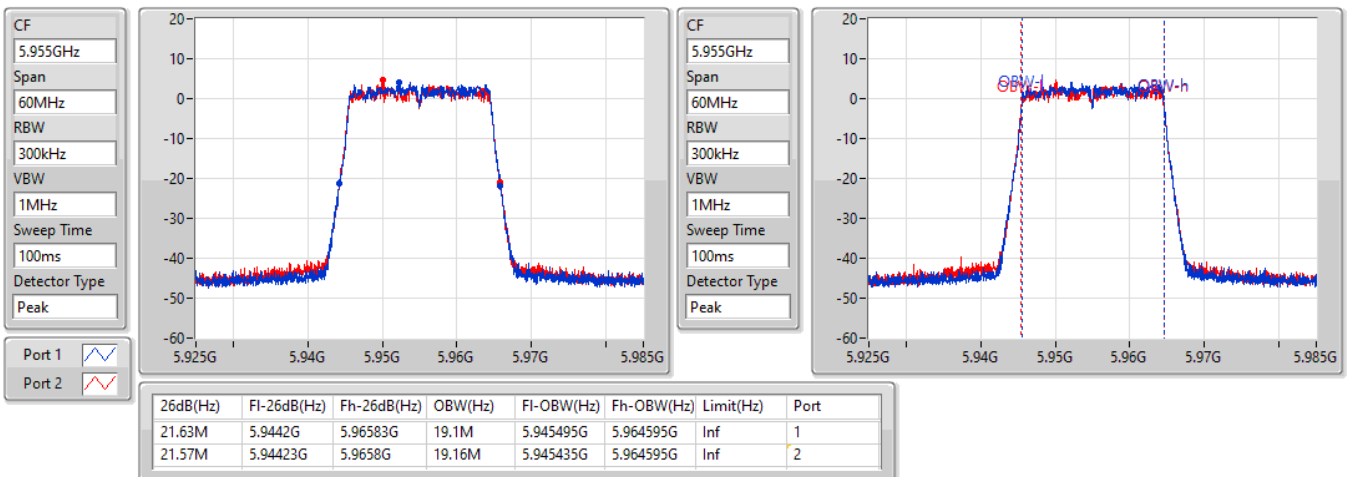


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

5955MHz

24/05/2022

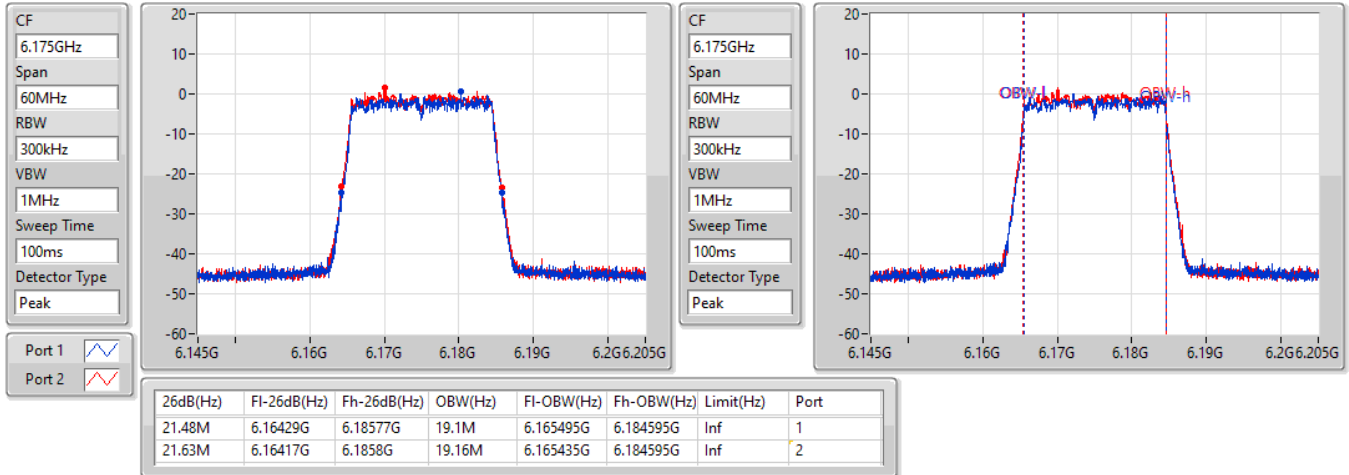


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6175MHz

24/05/2022

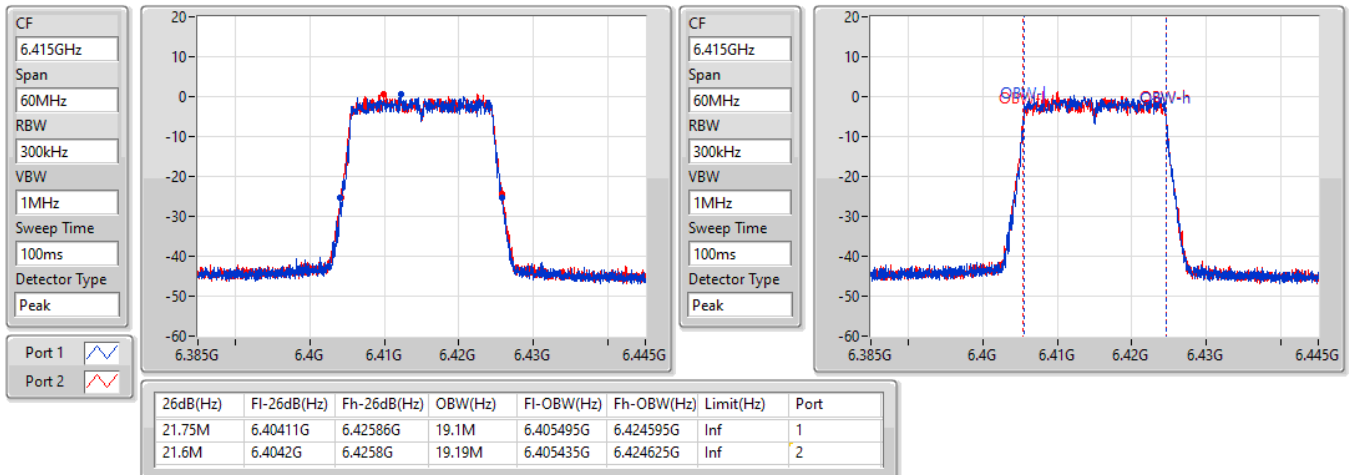


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6415MHz

24/05/2022

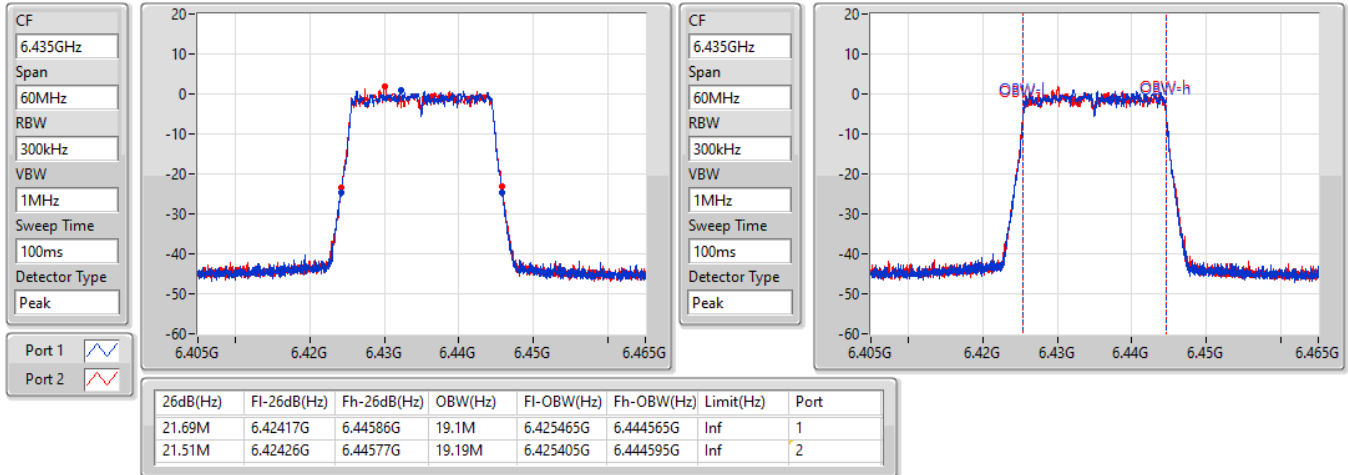


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6435MHz

24/05/2022

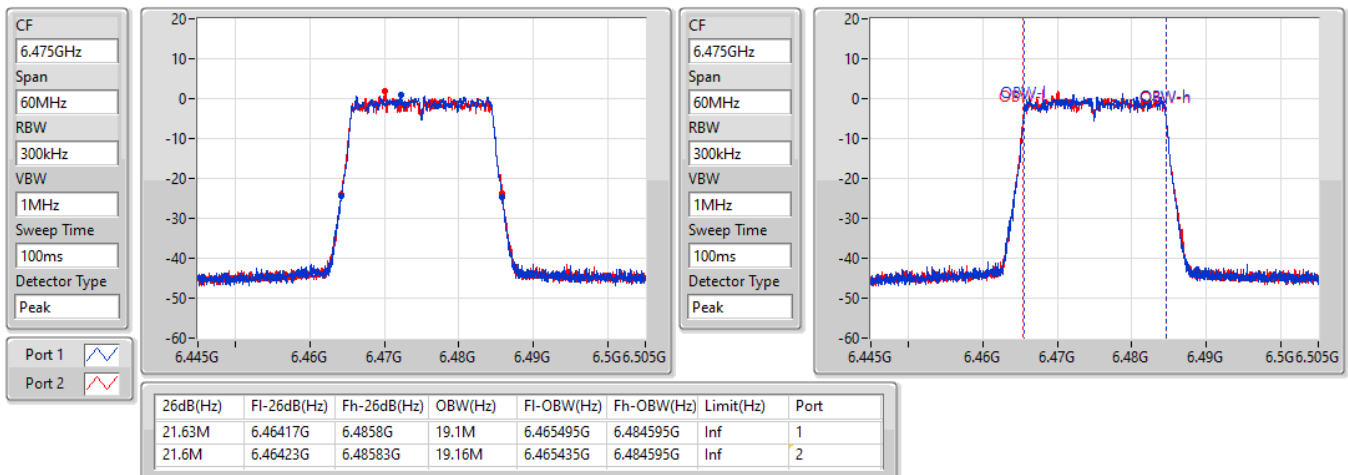


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6475MHz

24/05/2022

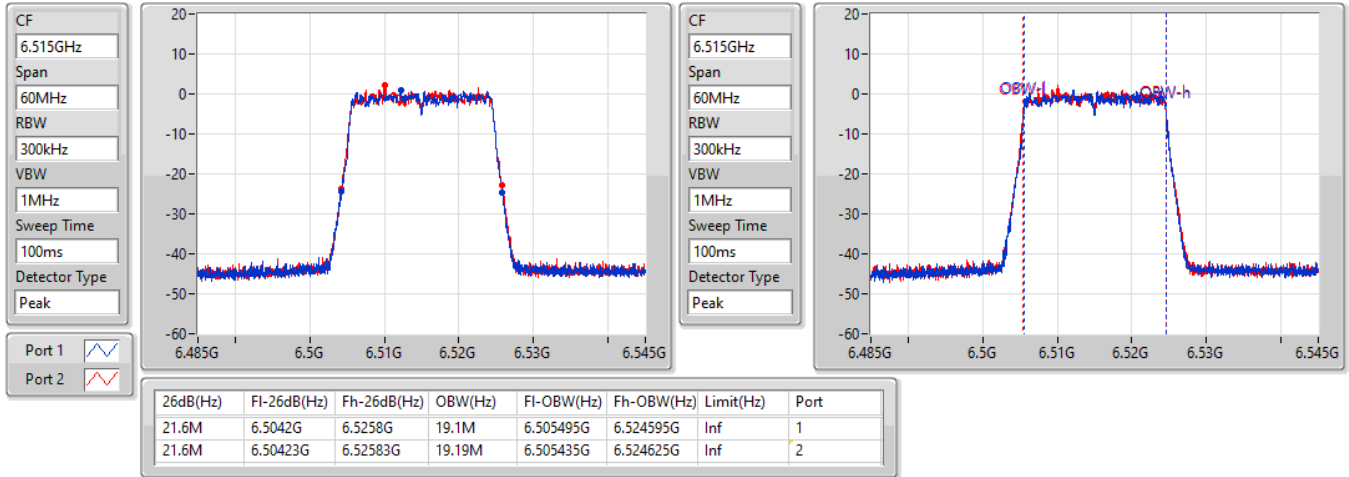


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6515MHz

24/05/2022

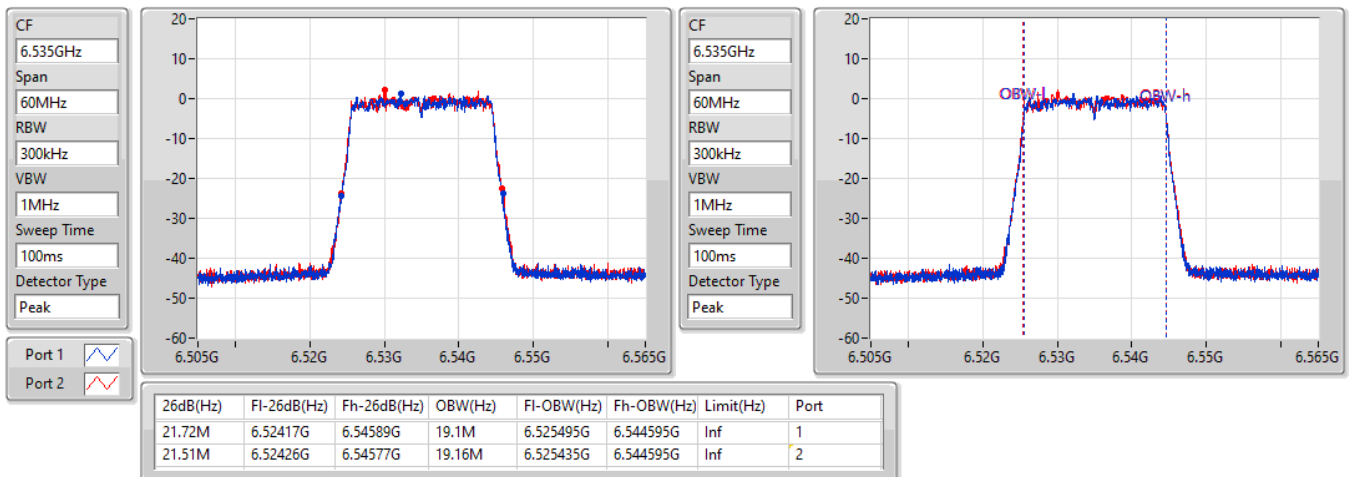


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6535MHz

24/05/2022

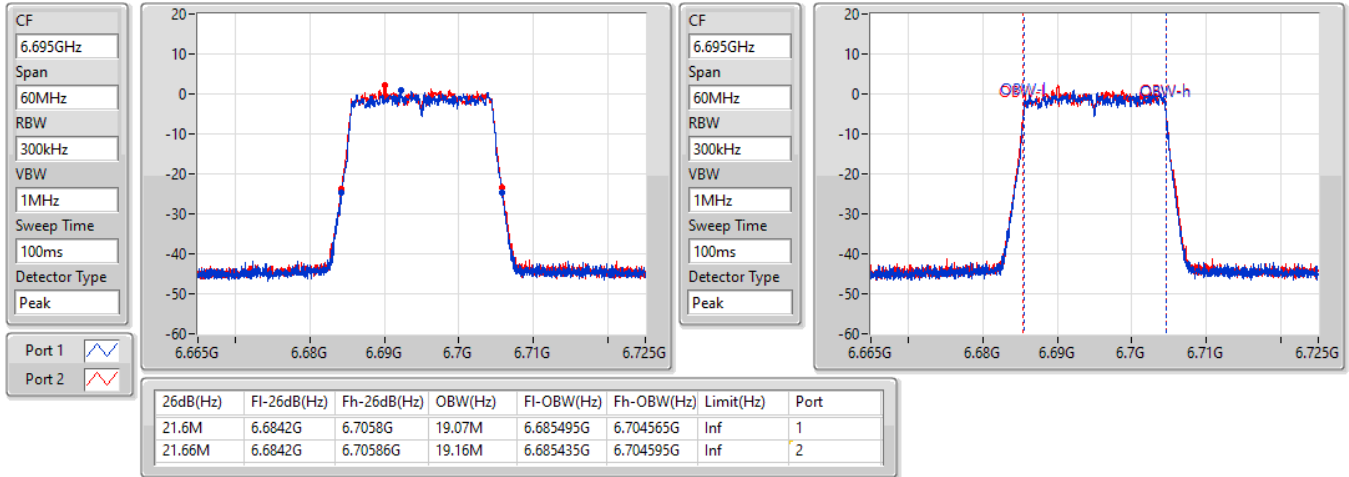


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6695MHz

24/05/2022

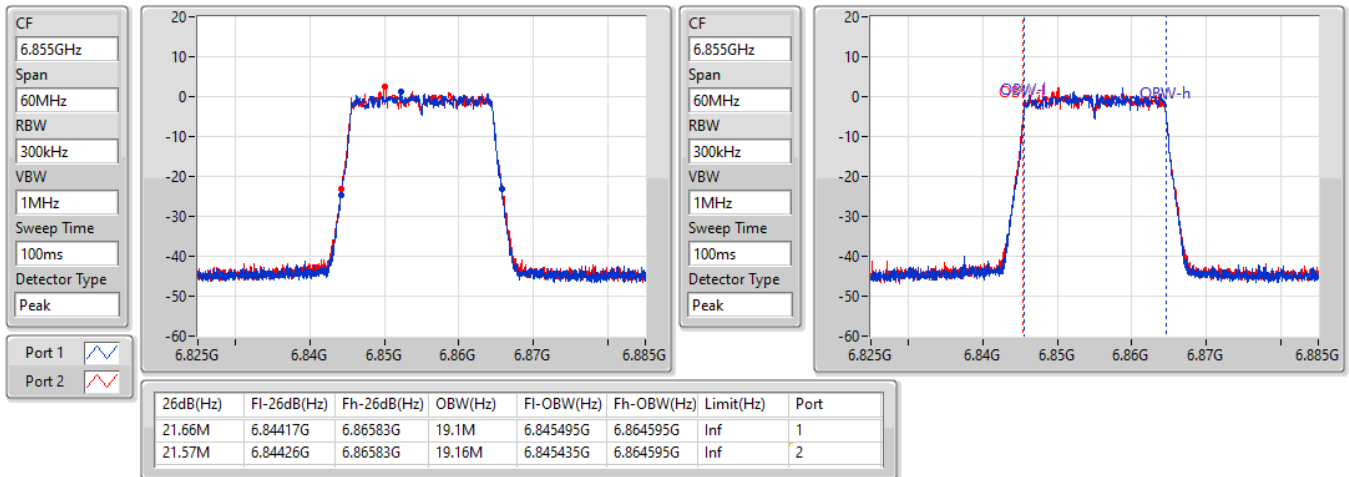


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6855MHz

24/05/2022

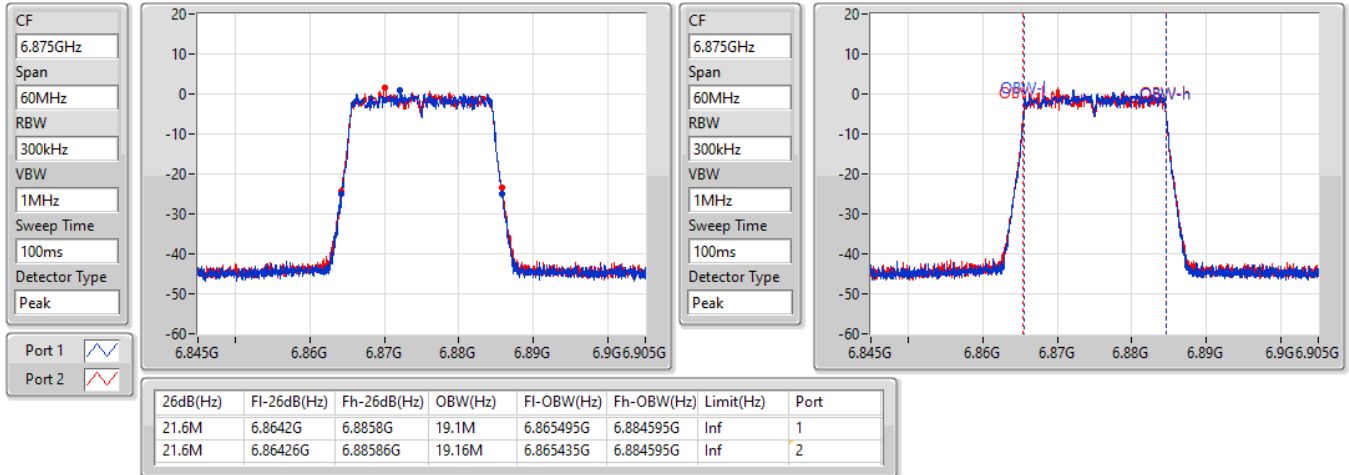


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6875MHz

24/05/2022

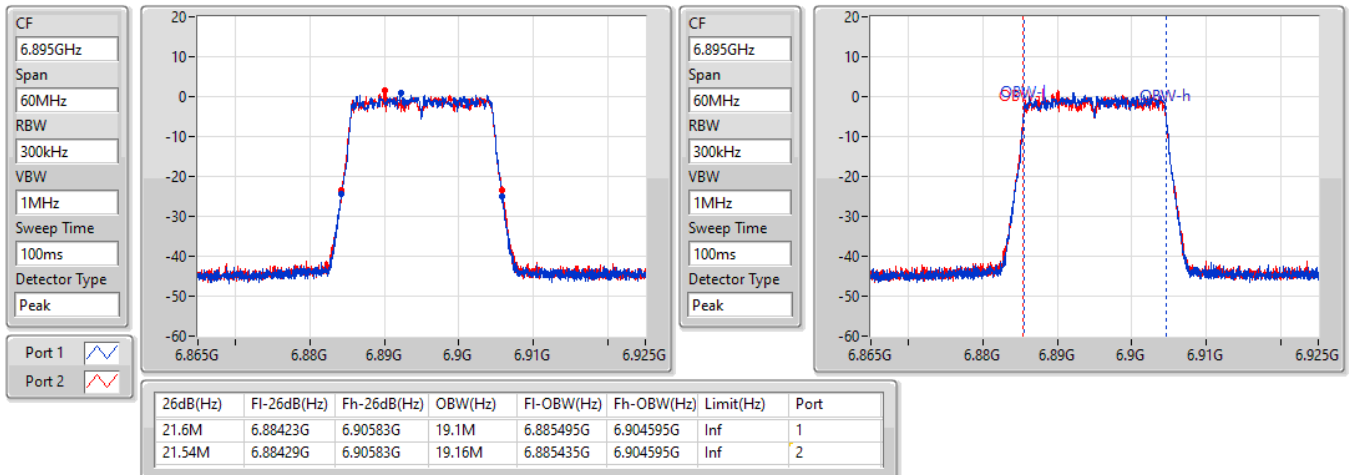


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6895MHz

24/05/2022

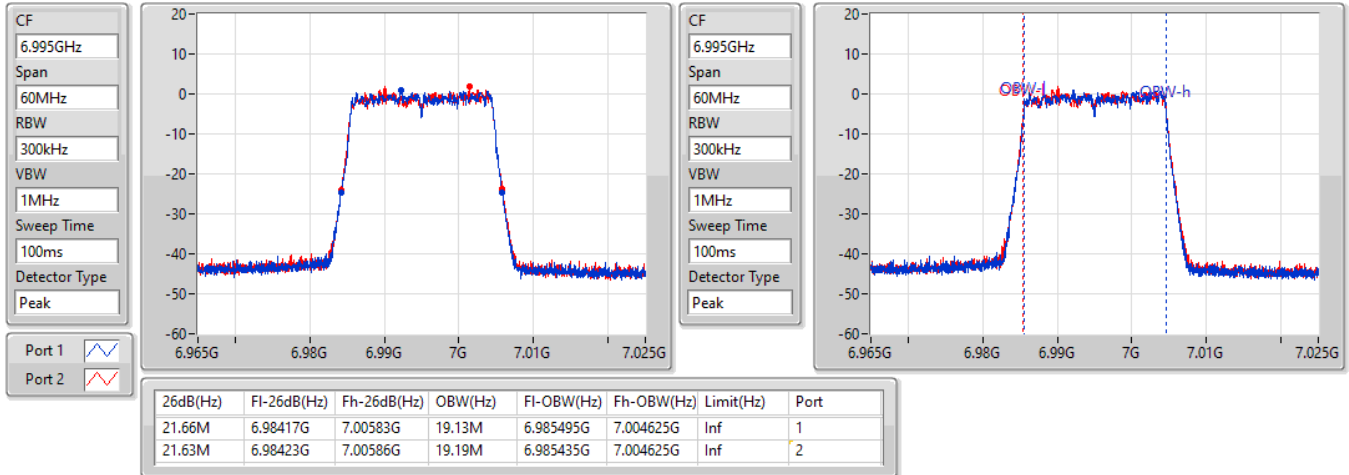


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6995MHz

24/05/2022

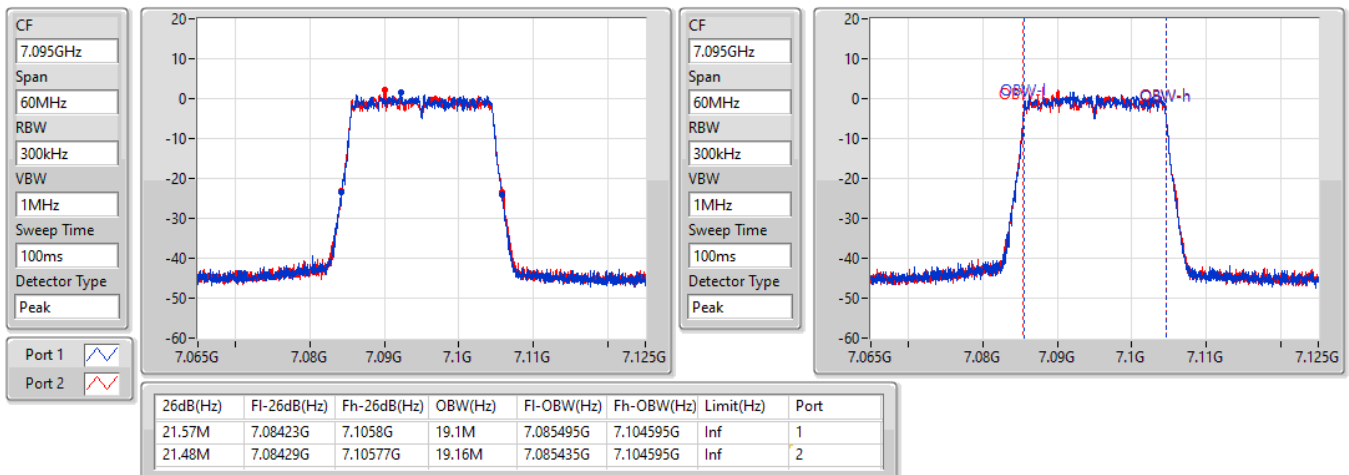


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

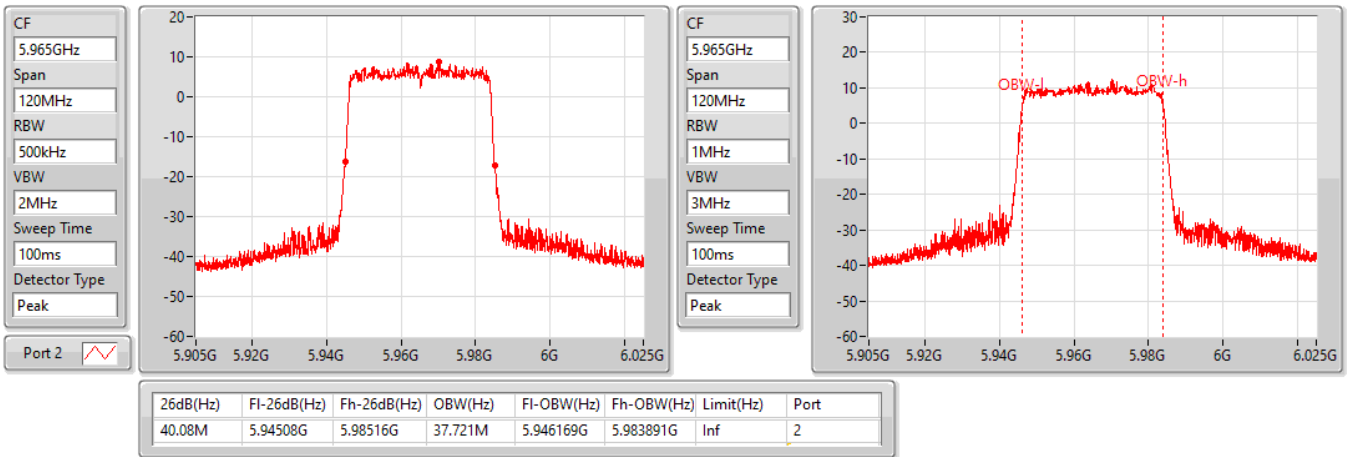
7095MHz

24/05/2022

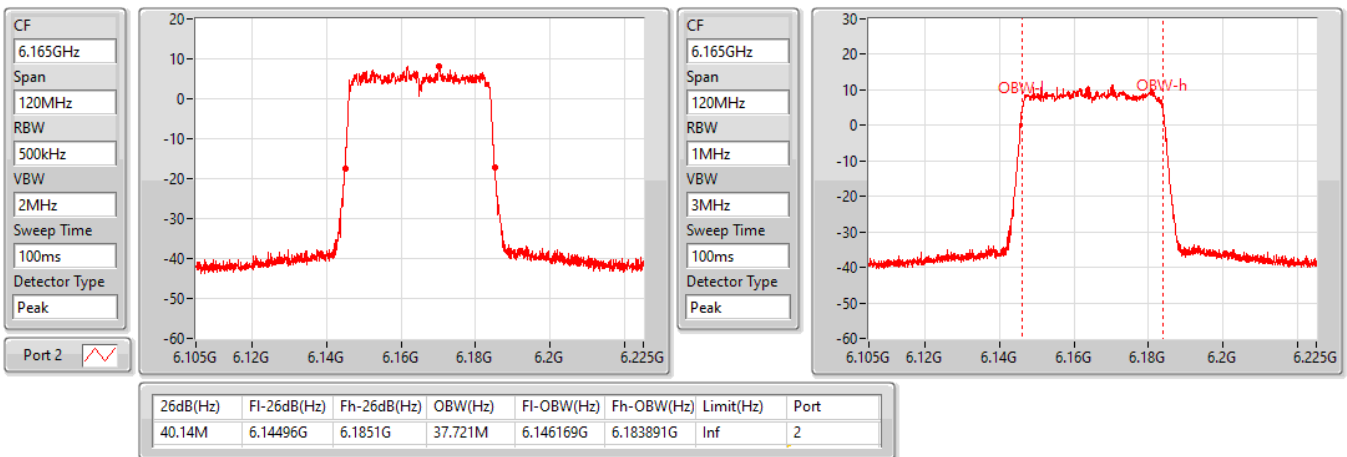


**802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**5965MHz**

24/05/2022


**802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6165MHz**

24/05/2022

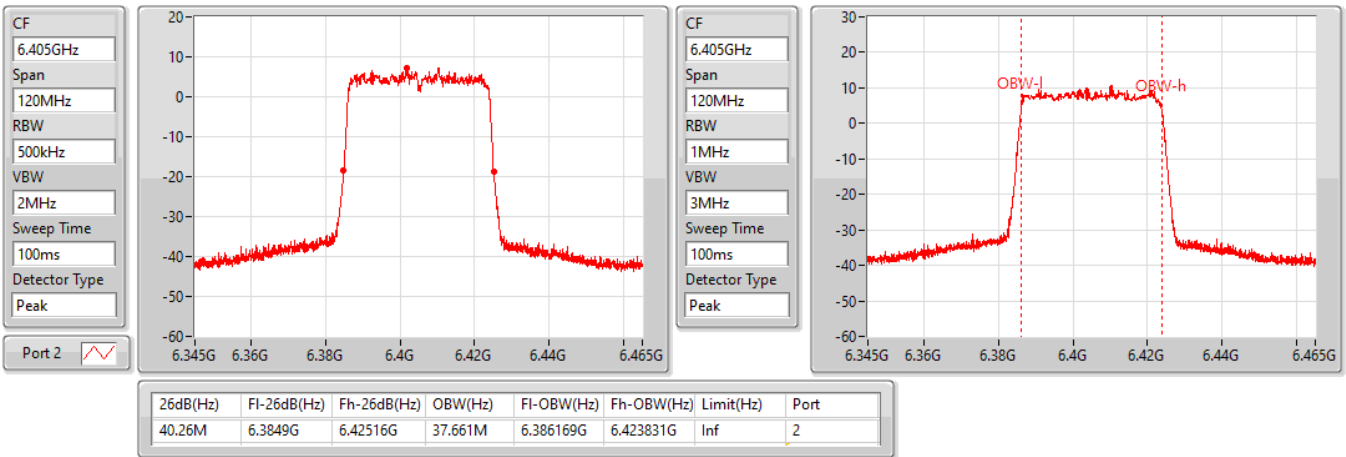


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6405MHz

24/05/2022

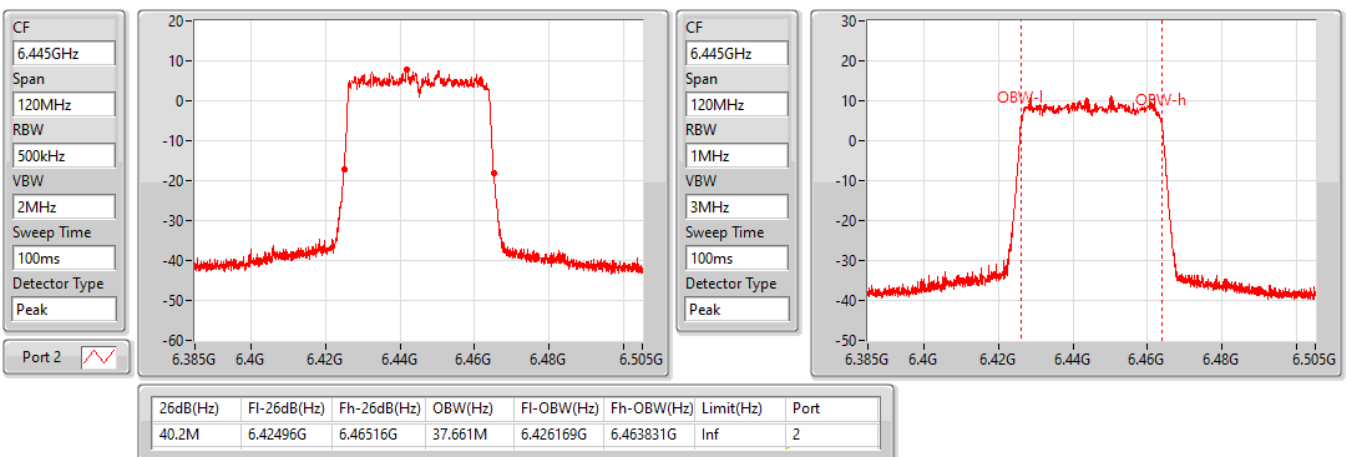


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6445MHz

24/05/2022

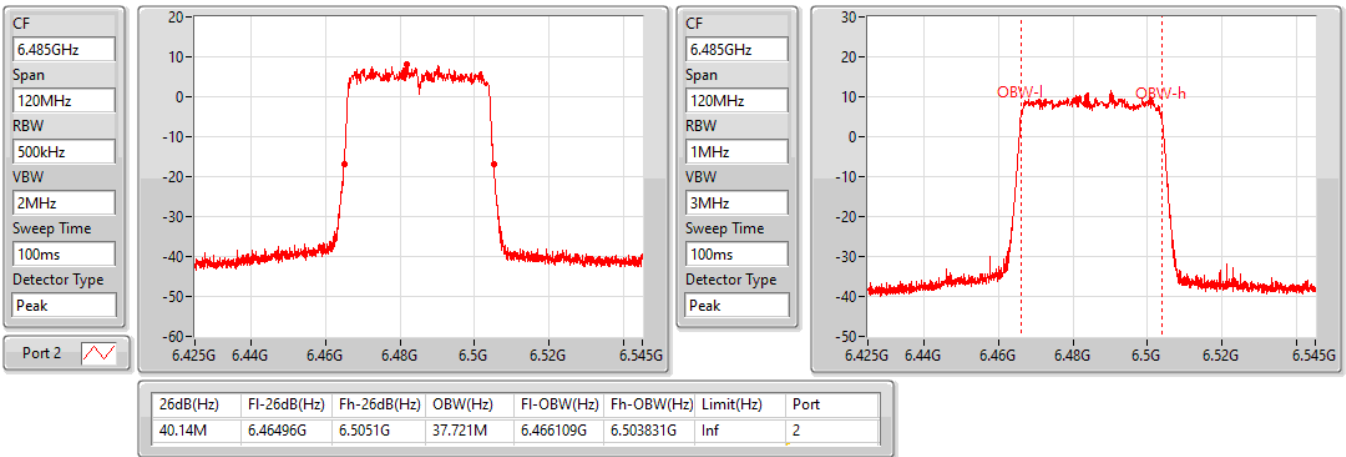


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6485MHz

24/05/2022

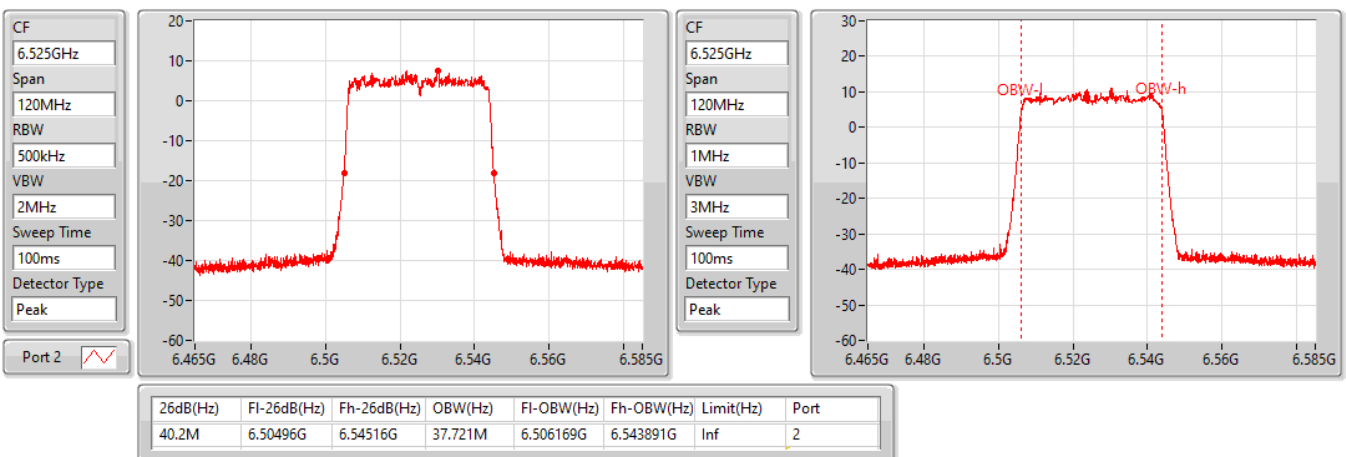


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6525MHz

24/05/2022

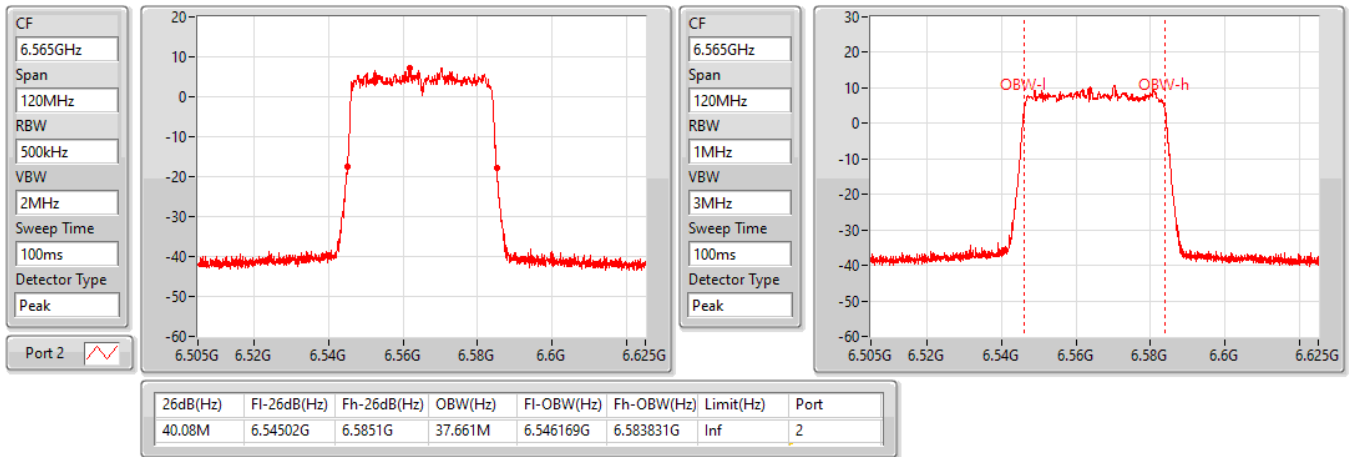


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6565MHz

24/05/2022

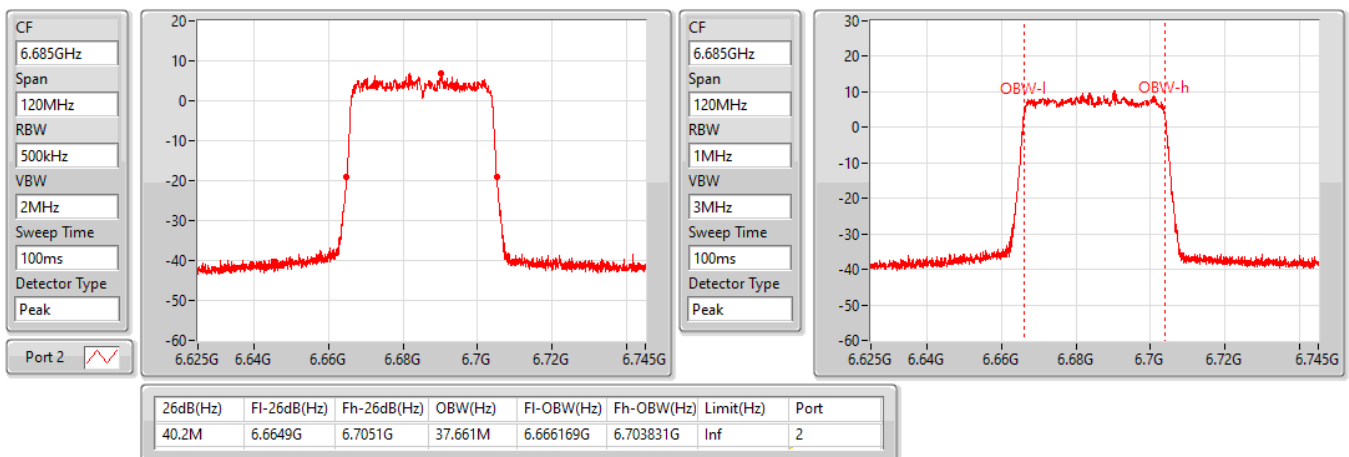


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6685MHz

24/05/2022

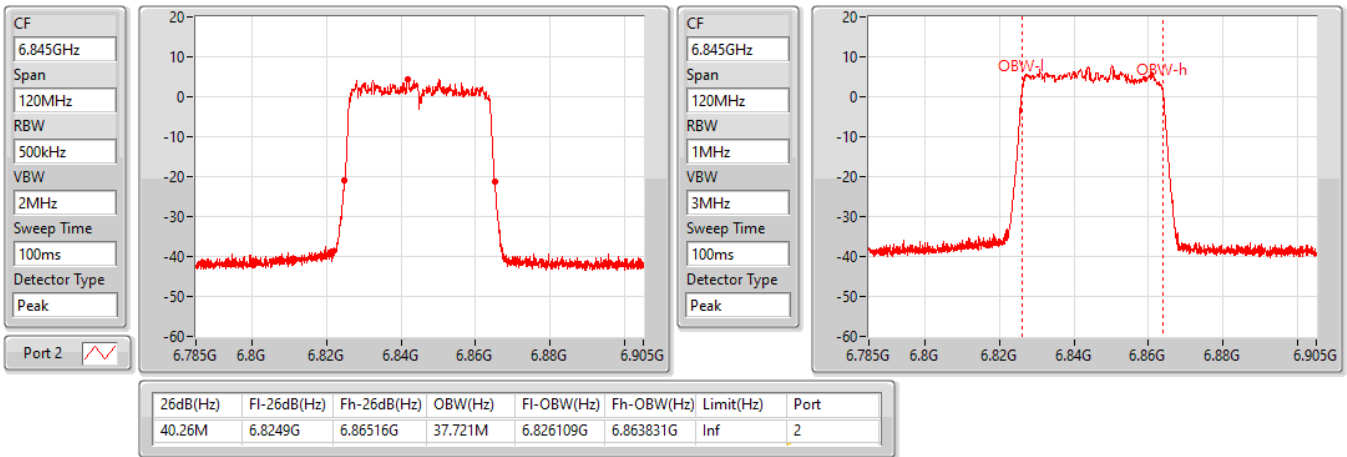


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6845MHz

24/05/2022

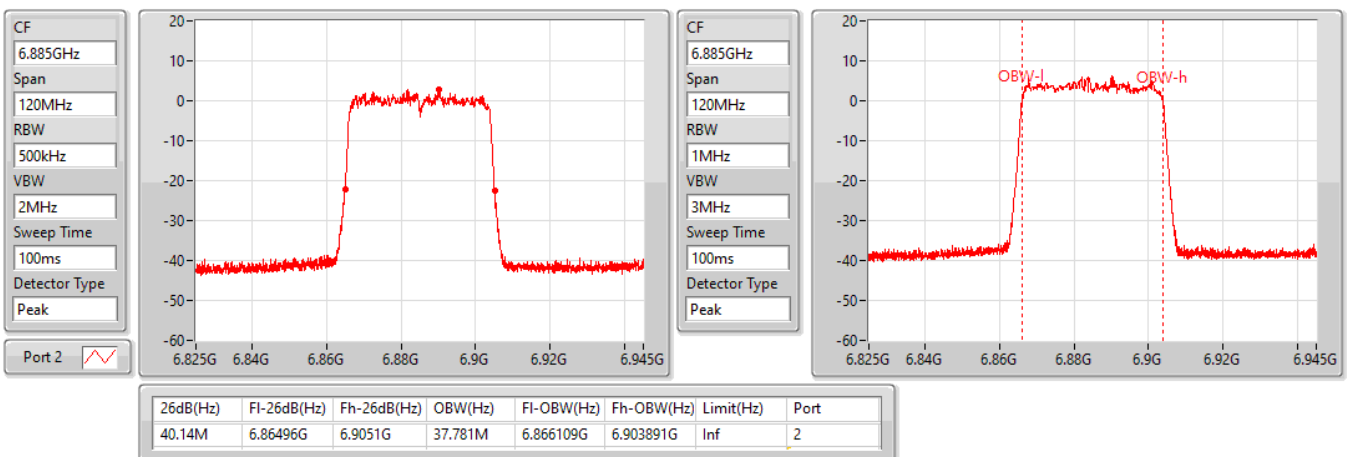


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6885MHz

24/05/2022

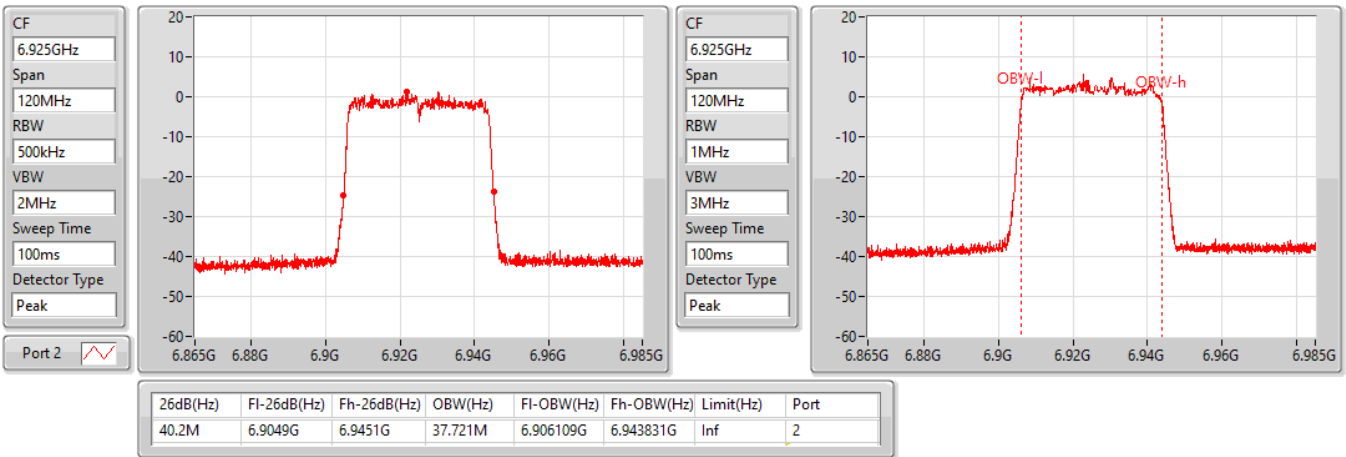


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6925MHz

24/05/2022

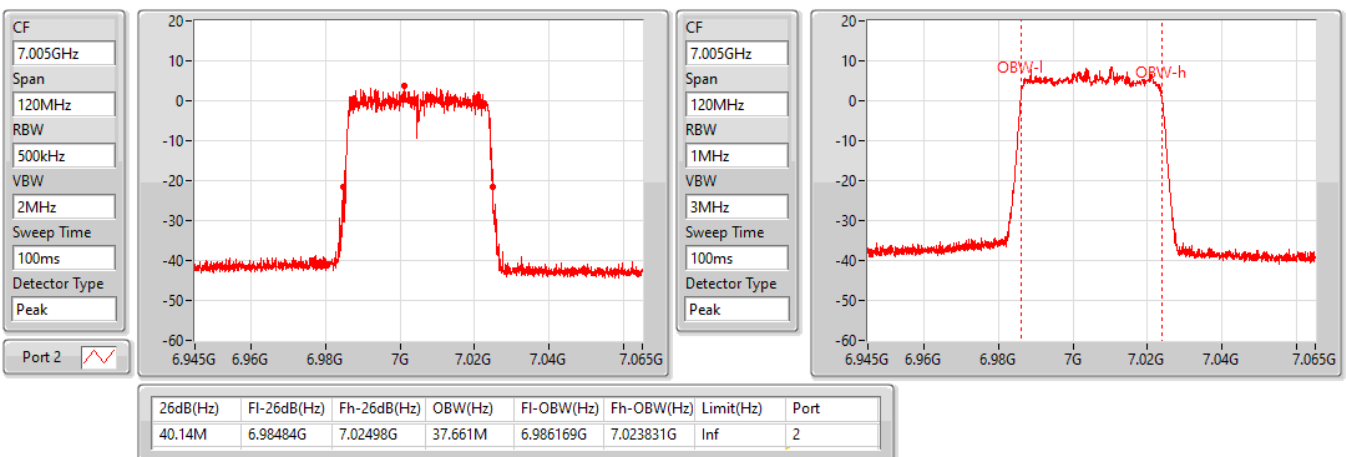


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

7005MHz

24/05/2022

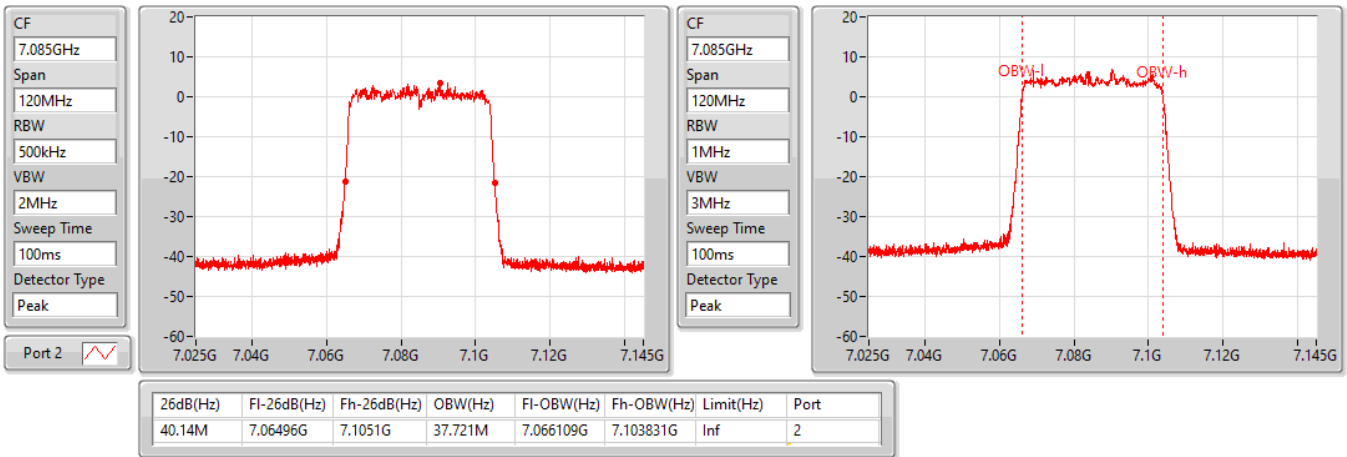


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

7085MHz

24/05/2022

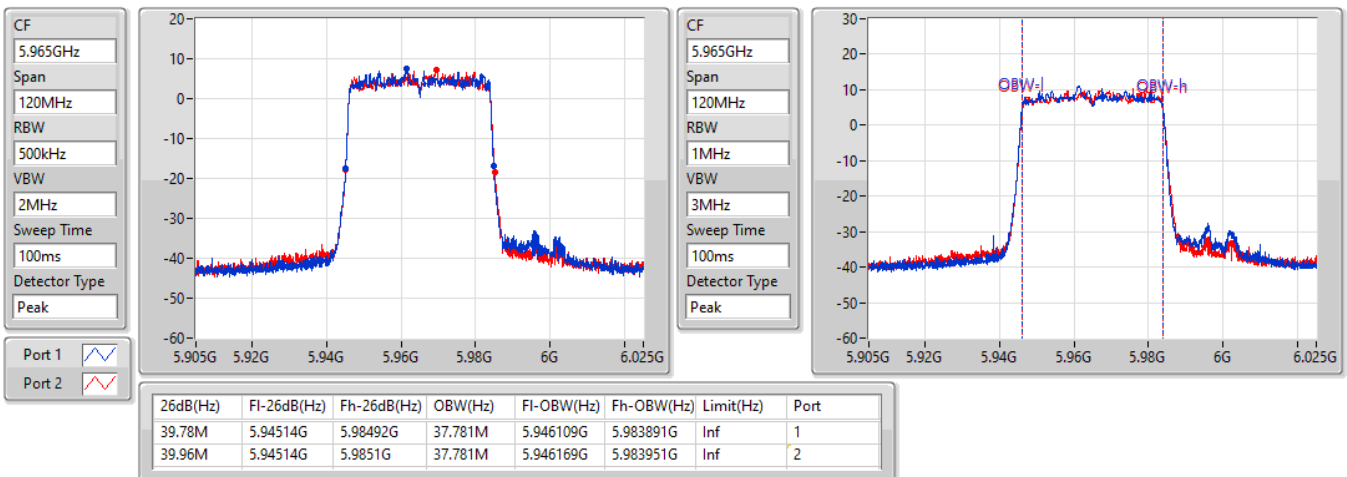


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

5965MHz

24/05/2022

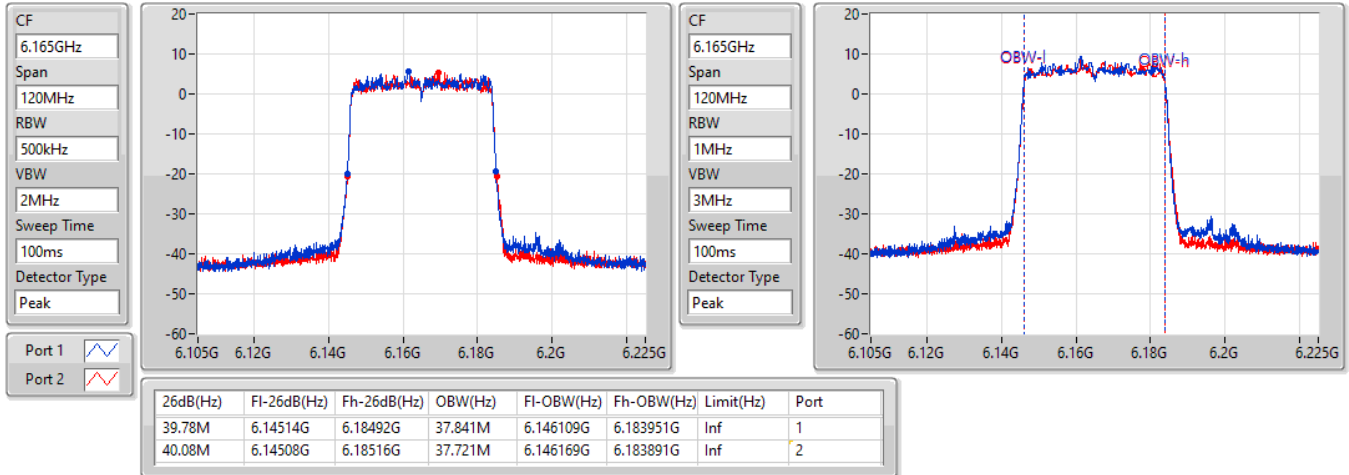


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6165MHz

24/05/2022

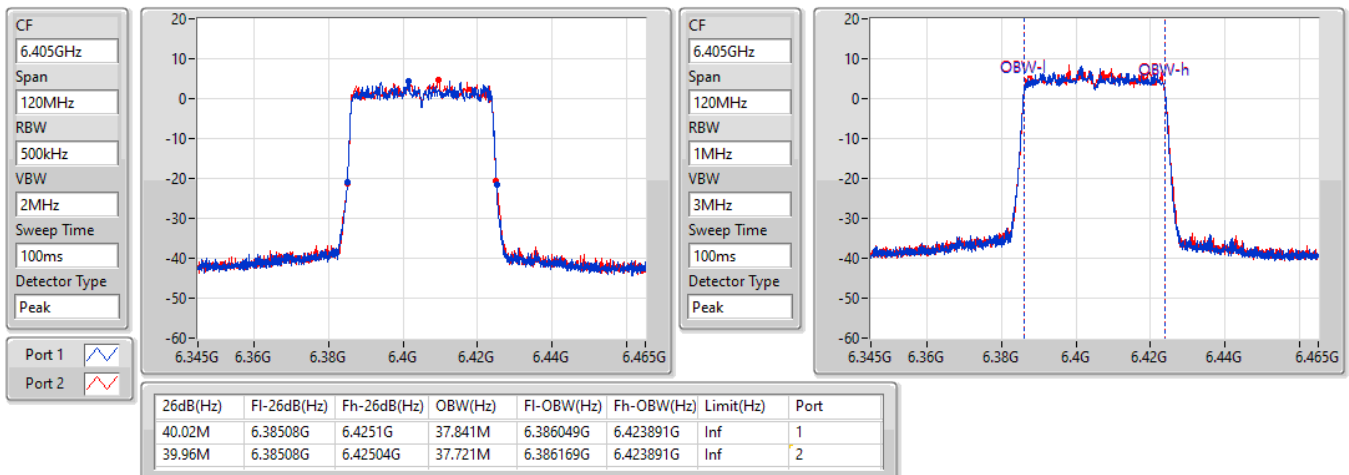


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6405MHz

24/05/2022

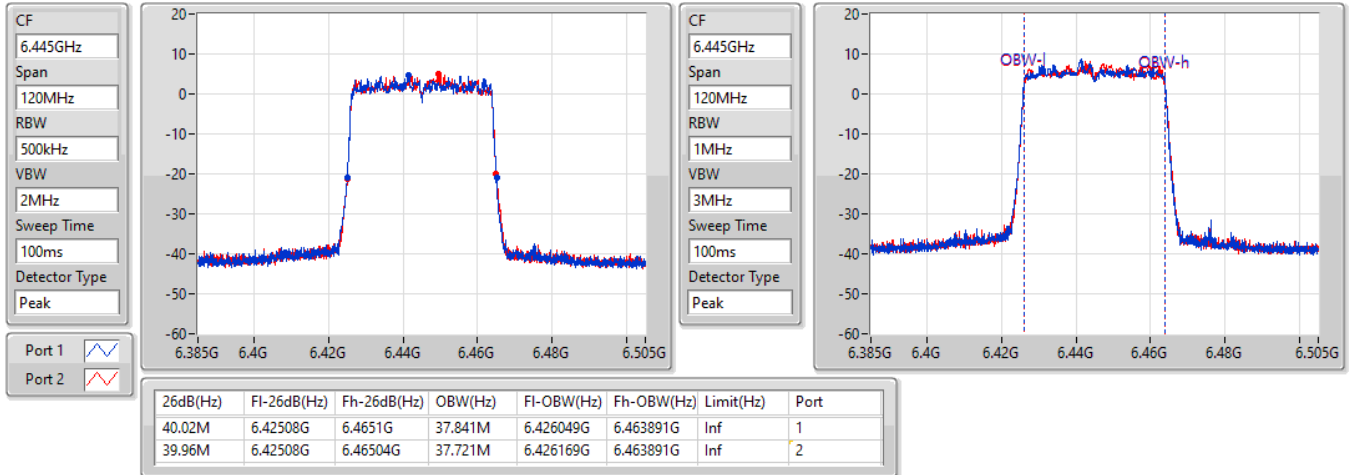


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6445MHz

24/05/2022

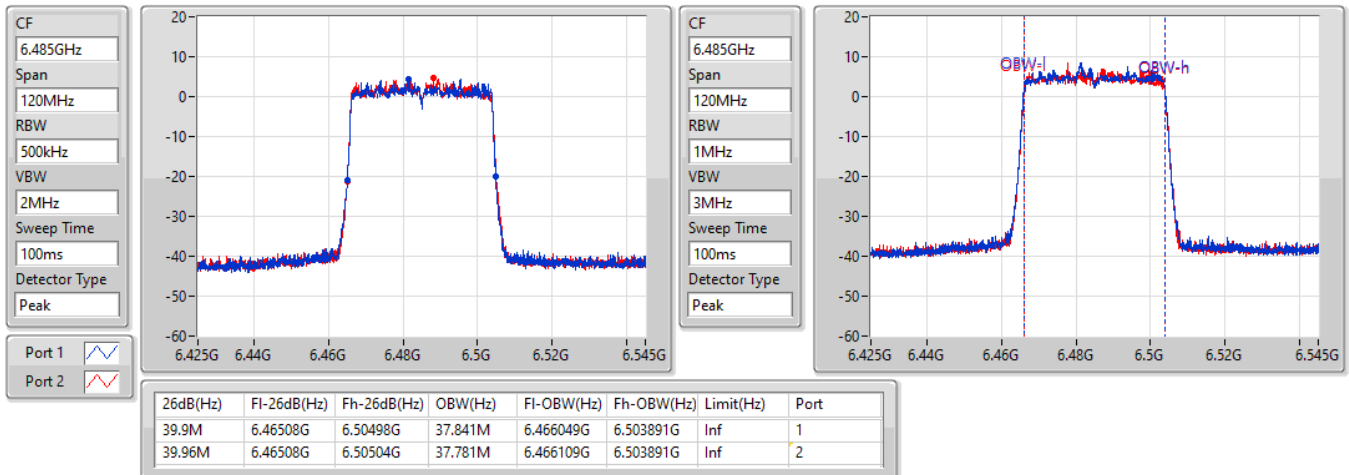


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6485MHz

24/05/2022

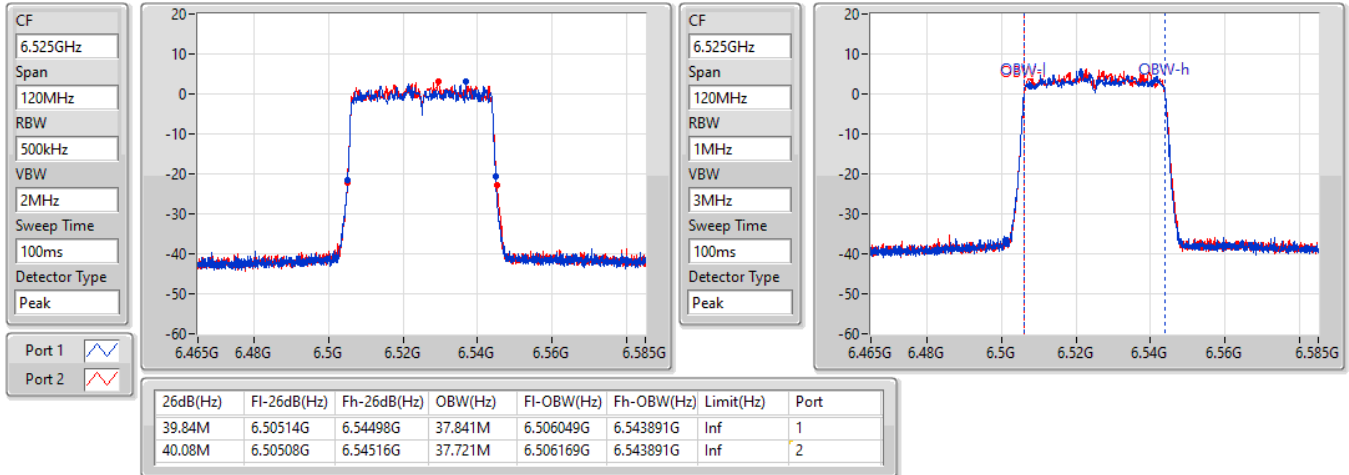


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6525MHz

24/05/2022

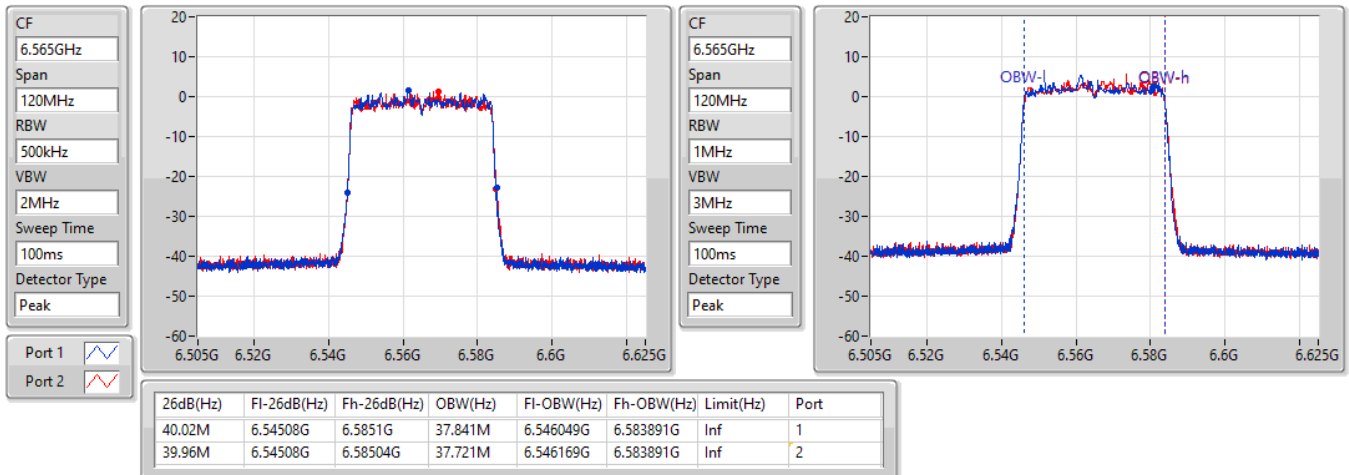


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6565MHz

24/05/2022

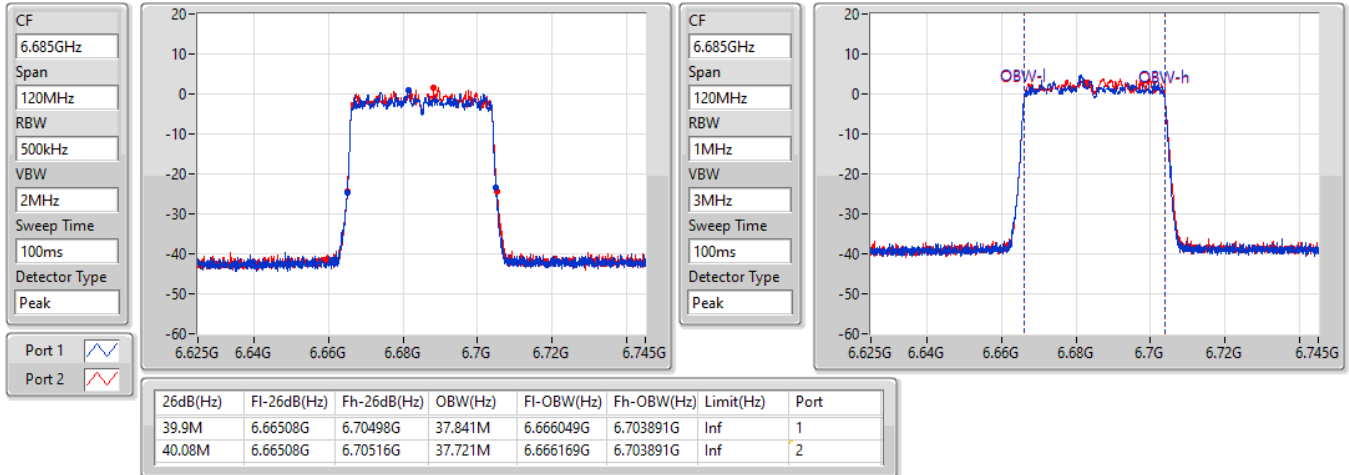


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6685MHz

24/05/2022

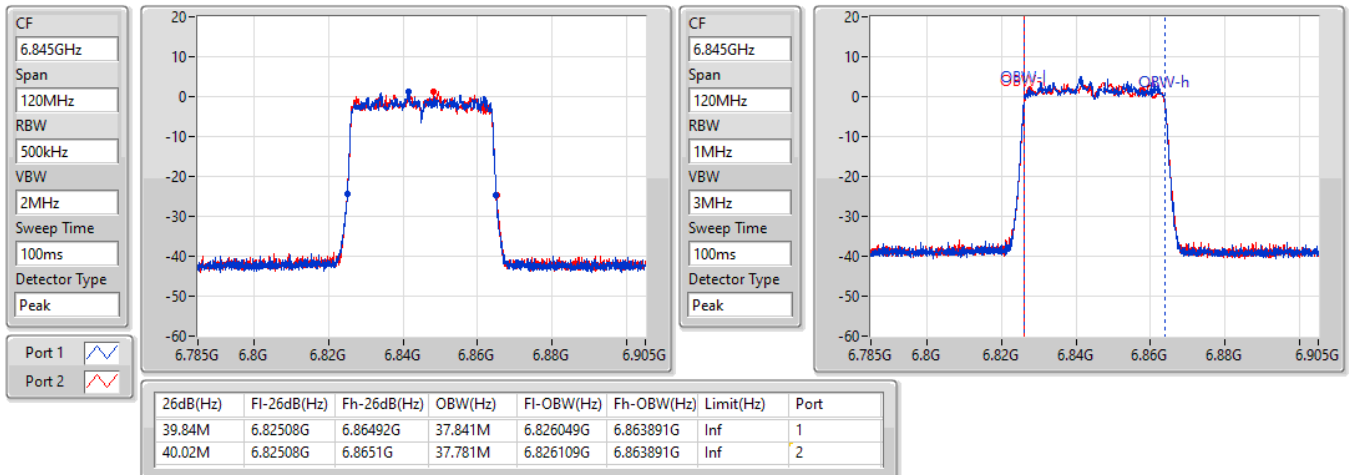


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6845MHz

24/05/2022

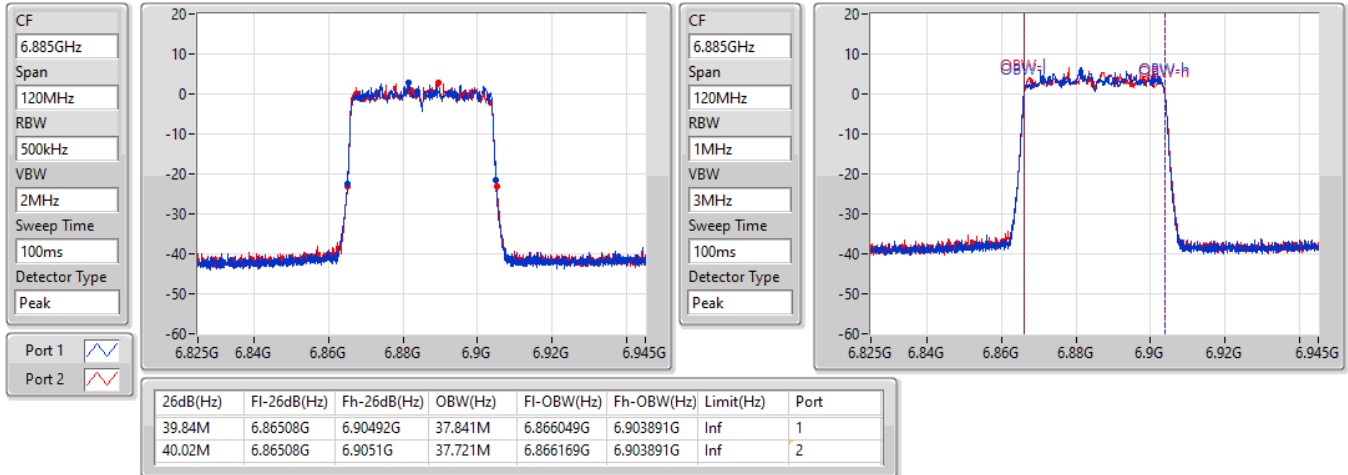


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6885MHz

24/05/2022

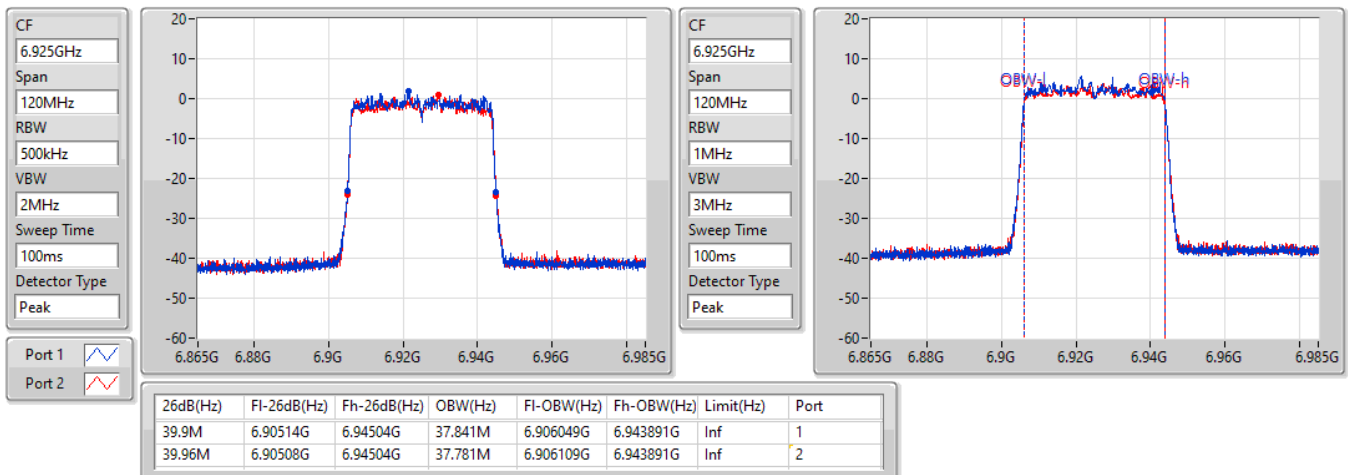


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6925MHz

24/05/2022

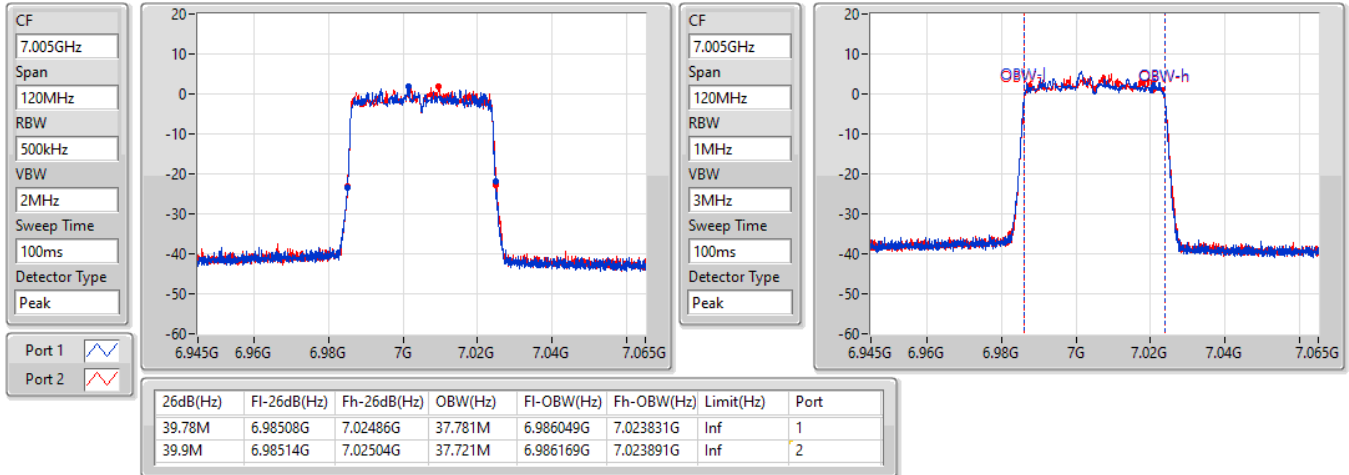


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

7005MHz

24/05/2022

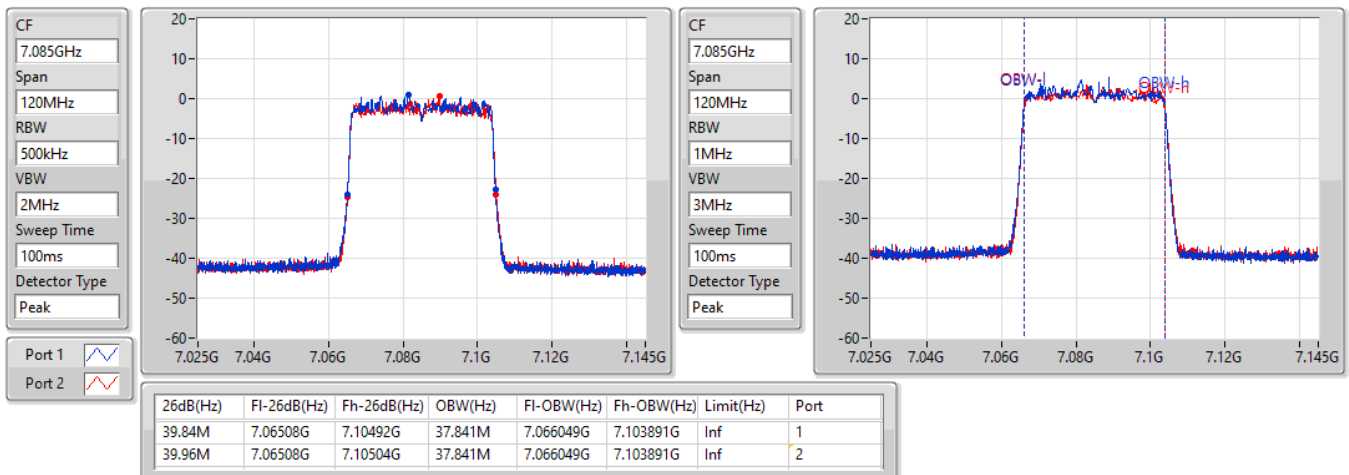


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

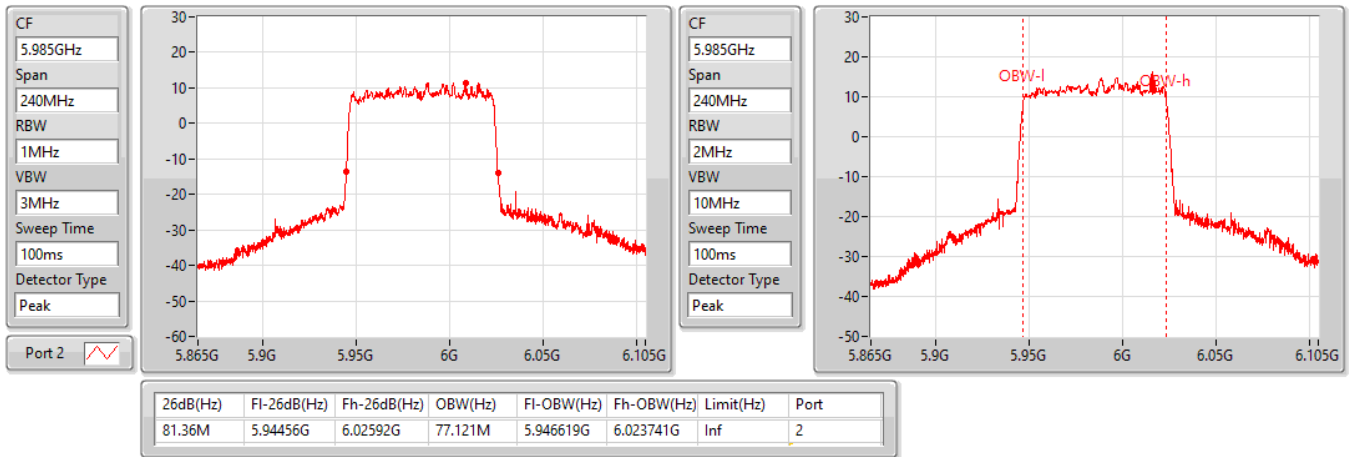
7085MHz

24/05/2022

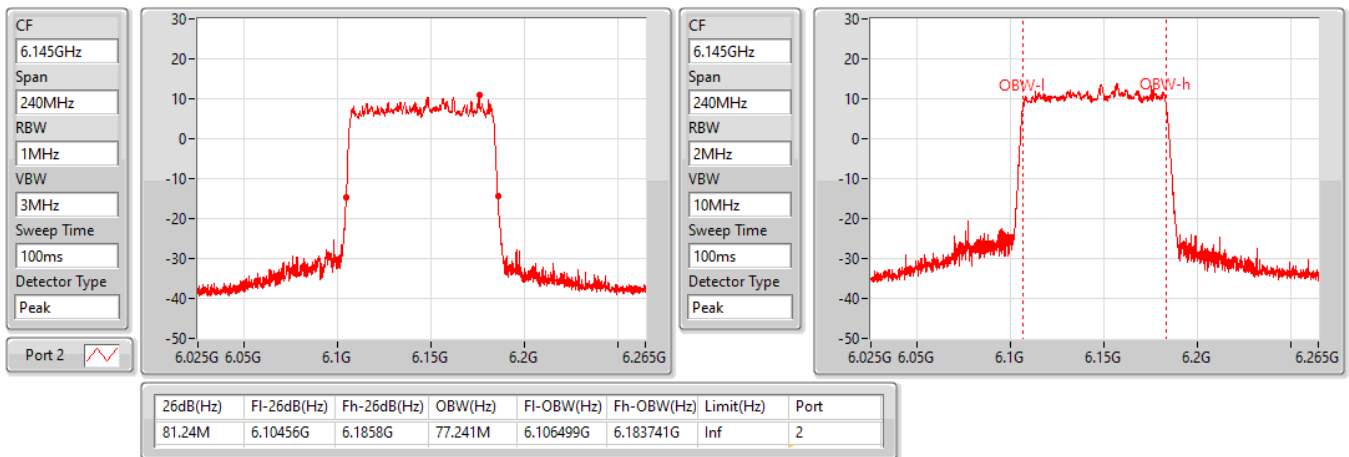


**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**5985MHz**

24/05/2022

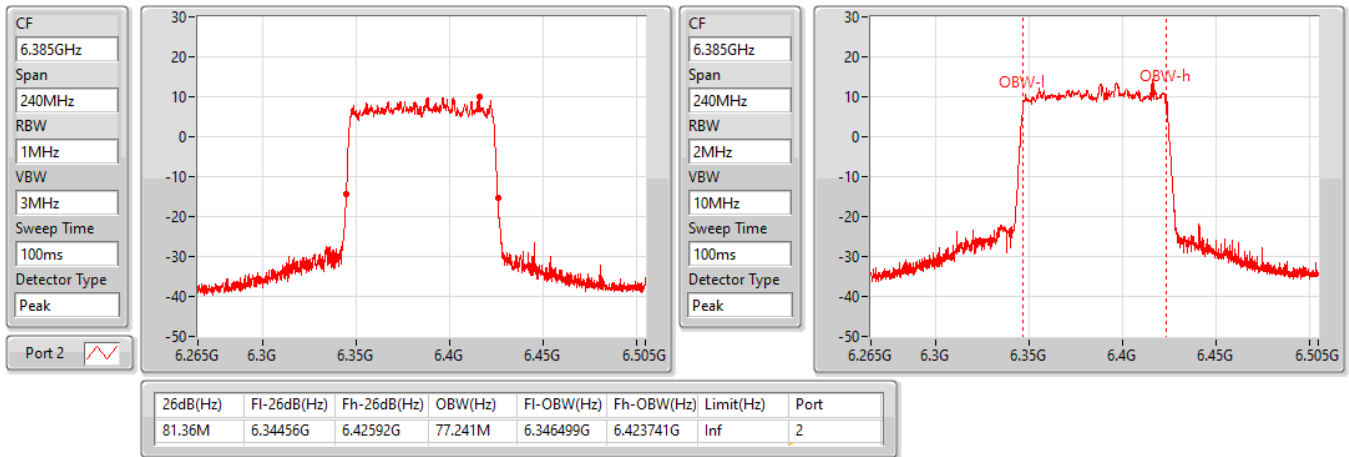

**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6145MHz**

24/05/2022

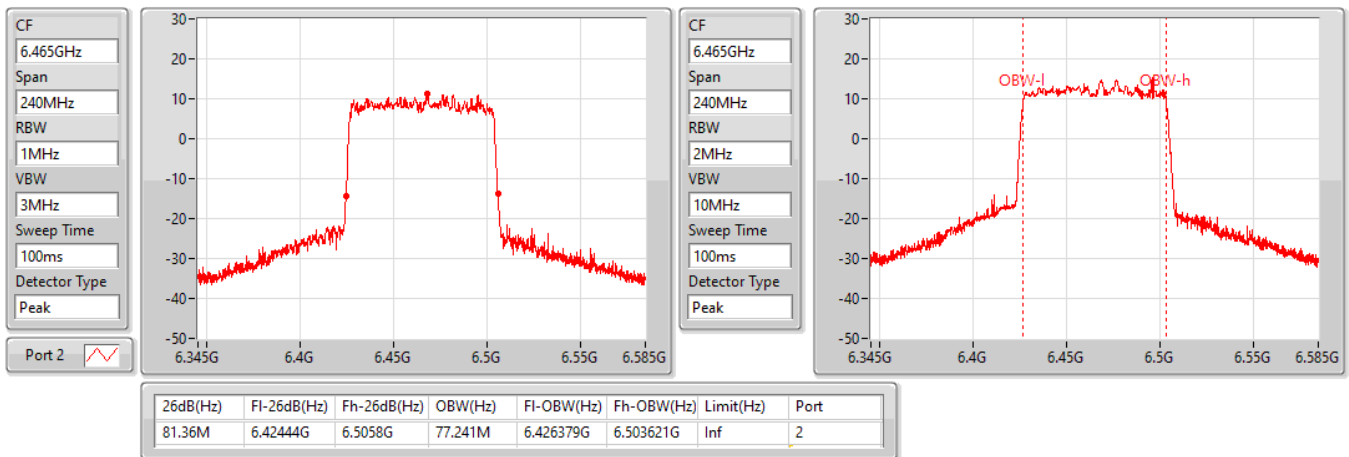


**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6385MHz**

24/05/2022


**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6465MHz**

24/05/2022

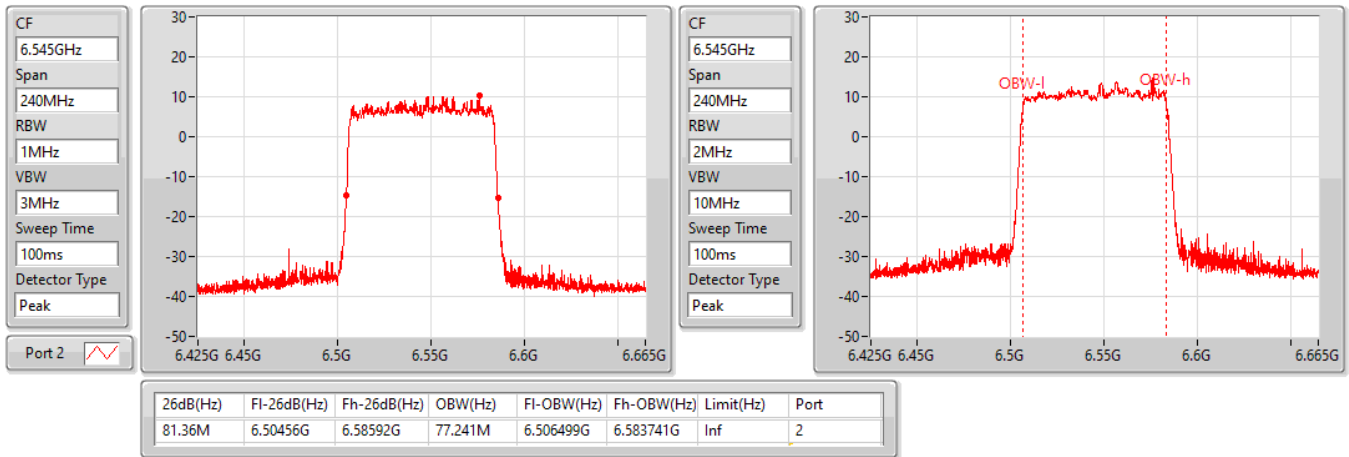


802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)

EBW

6545MHz

24/05/2022

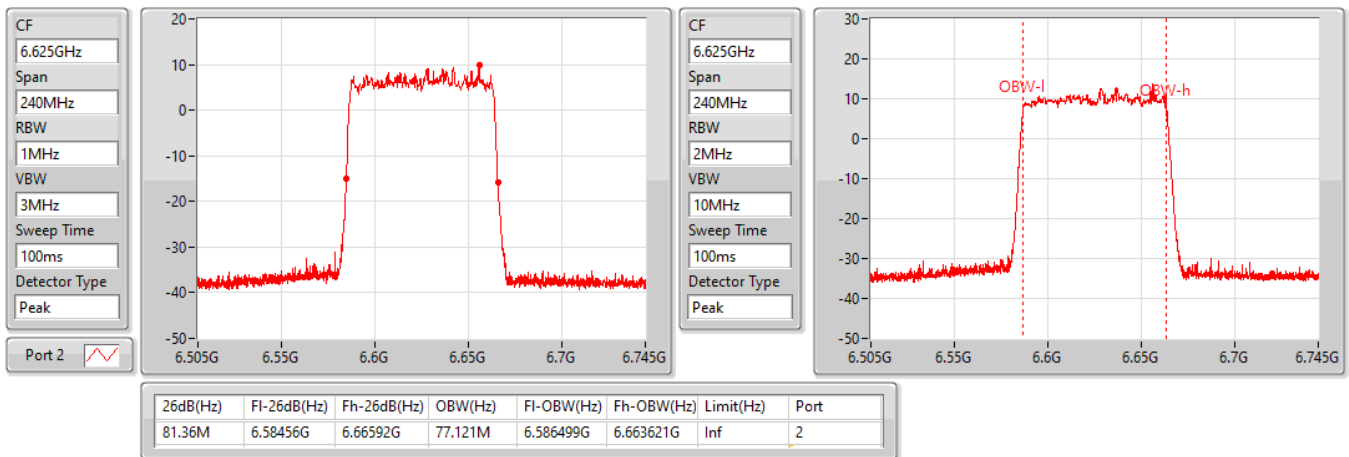


802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)

EBW

6625MHz

24/05/2022

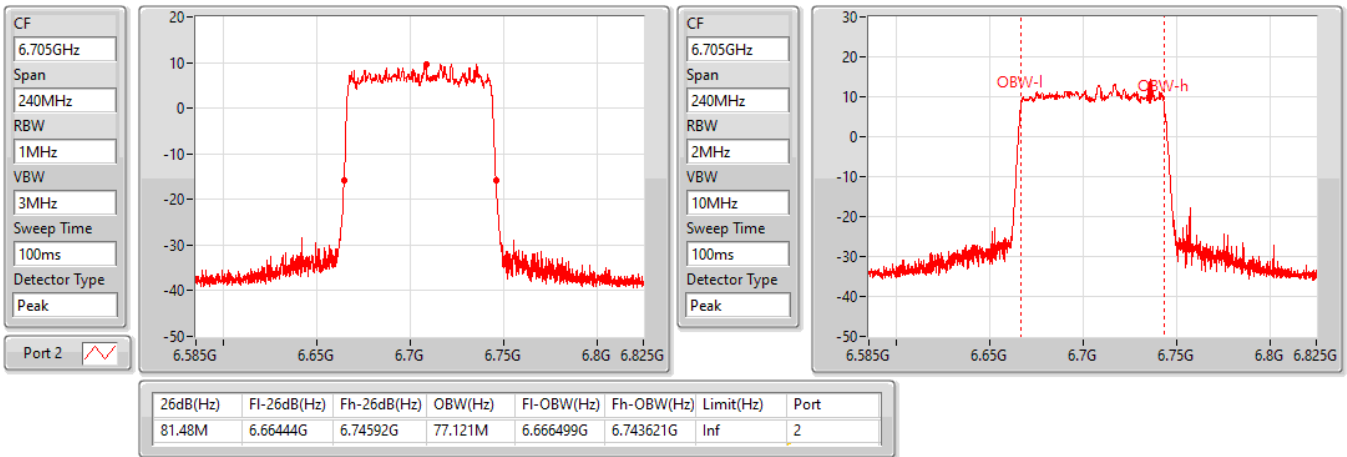


## 802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)

EBW

6705MHz

24/05/2022

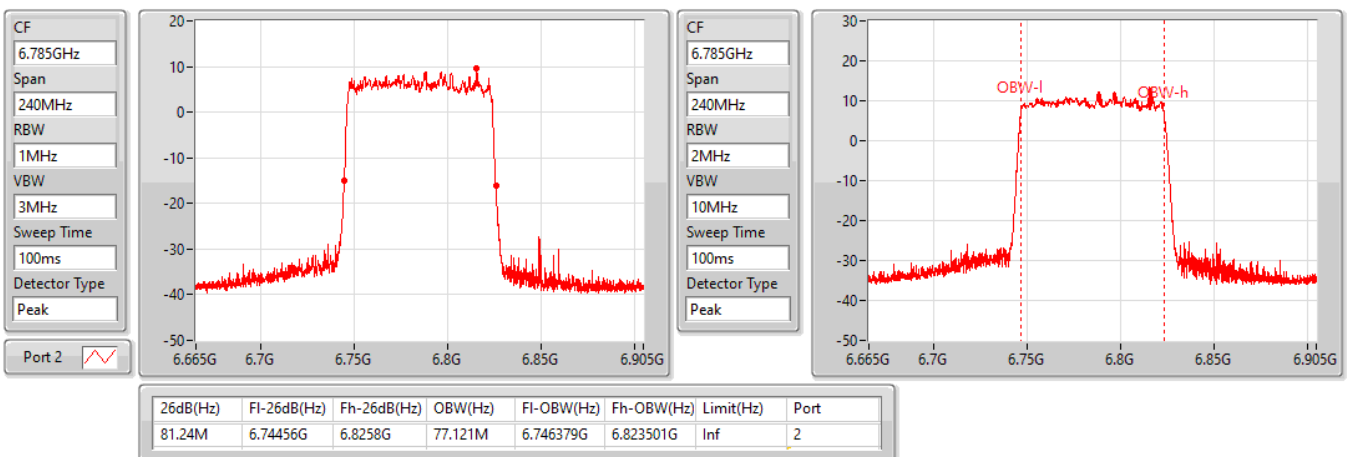


## 802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)

EBW

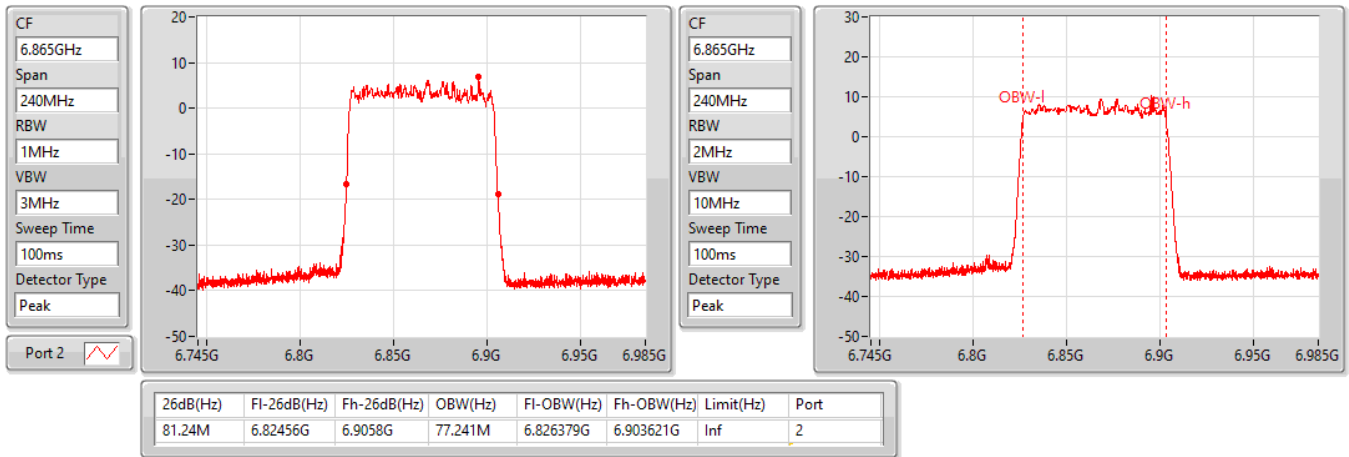
6785MHz

24/05/2022

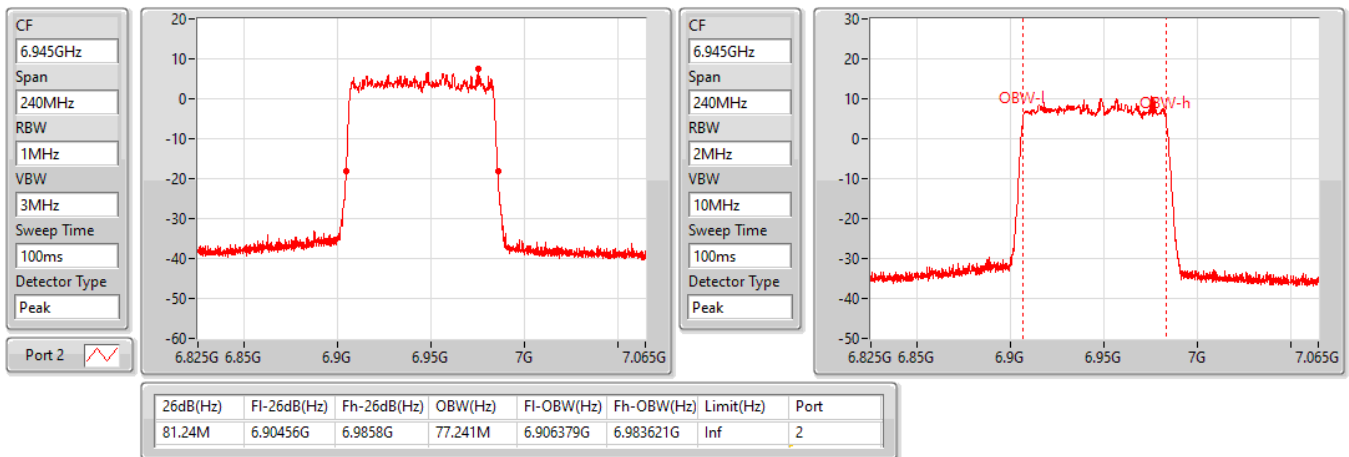


**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6865MHz**

24/05/2022

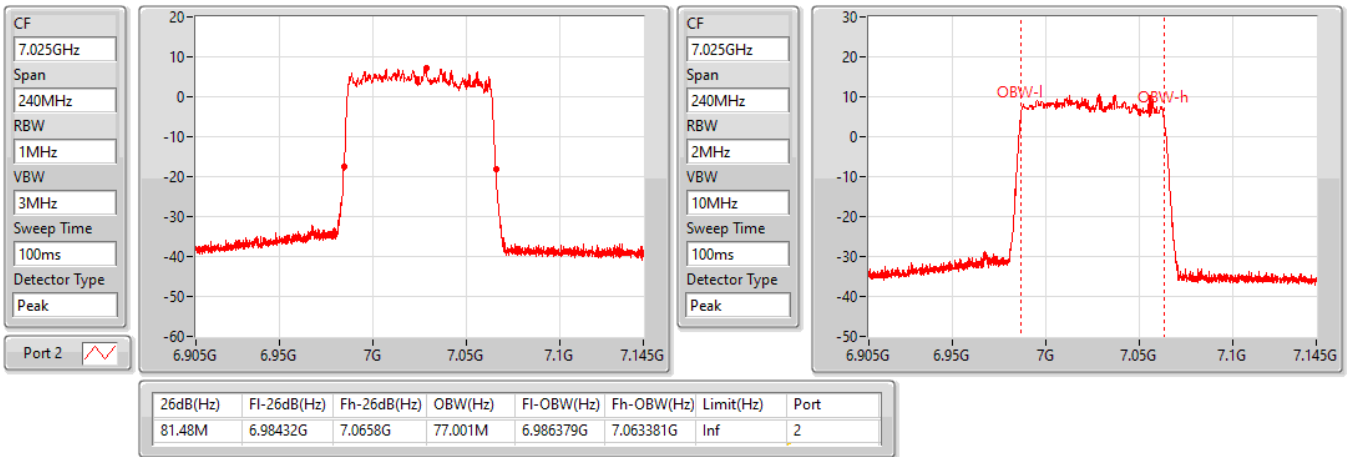

**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6945MHz**

24/05/2022

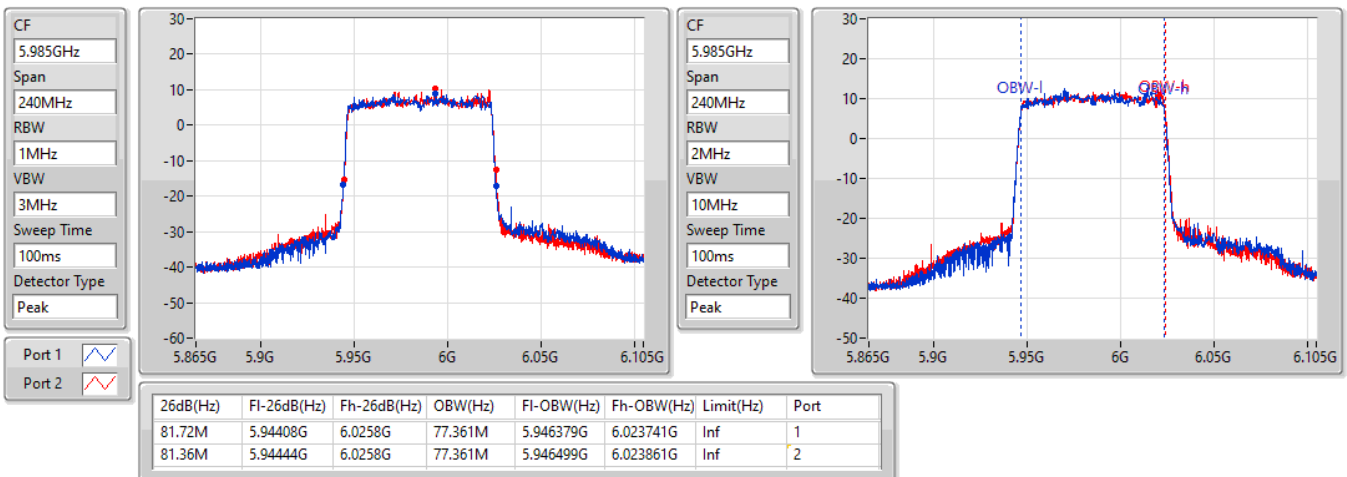


**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**7025MHz**

24/05/2022


**802.11ax HEW80\_Nss2,(MCS0)\_2TX**
**EBW**
**5985MHz**

24/05/2022

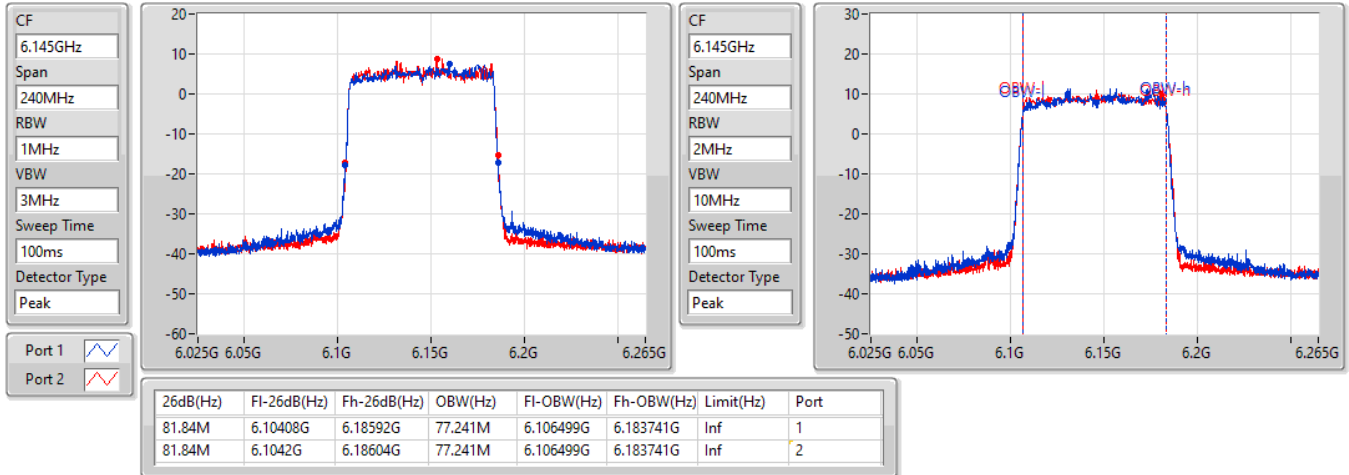


## 802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

6145MHz

24/05/2022

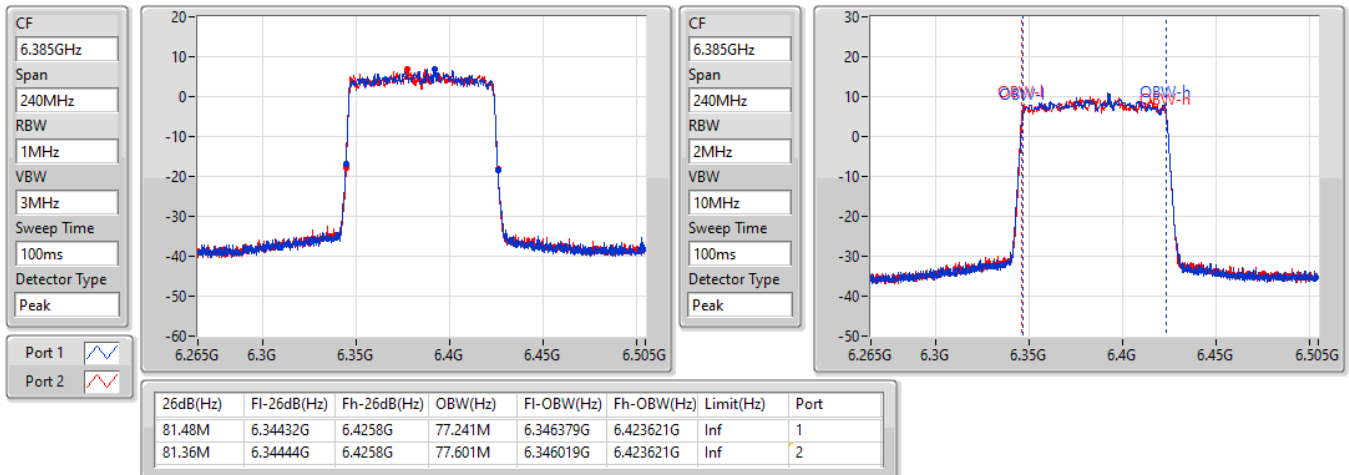


## 802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

6385MHz

24/05/2022

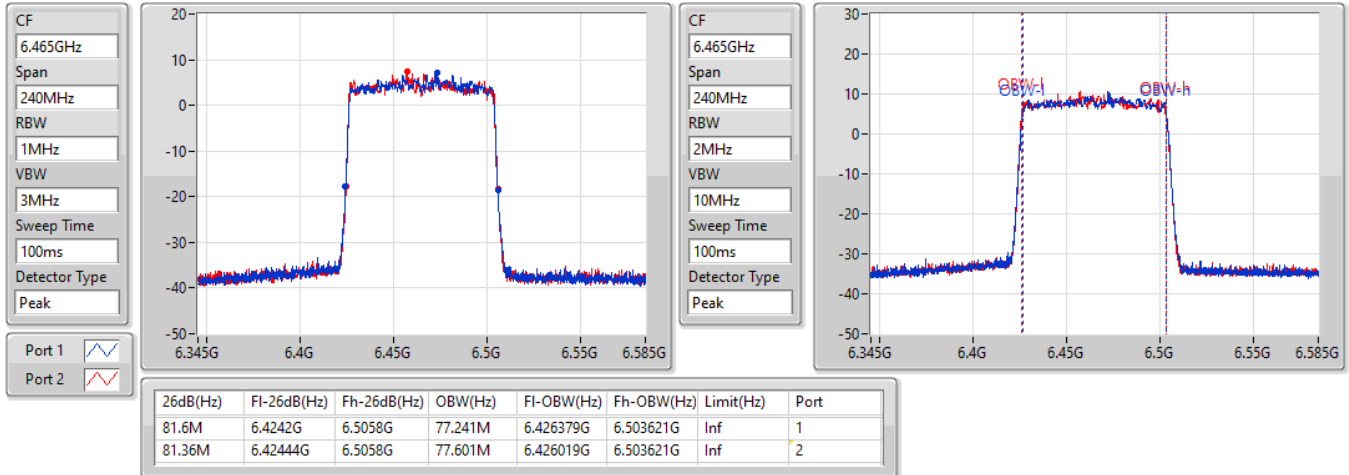


## 802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

6465MHz

24/05/2022

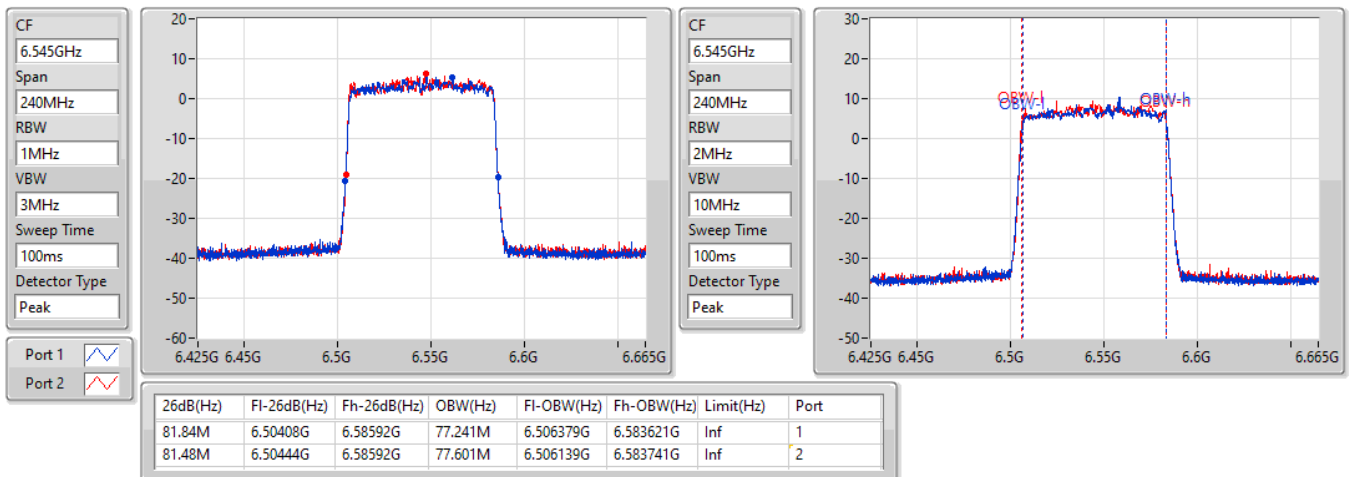


## 802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

6545MHz

24/05/2022

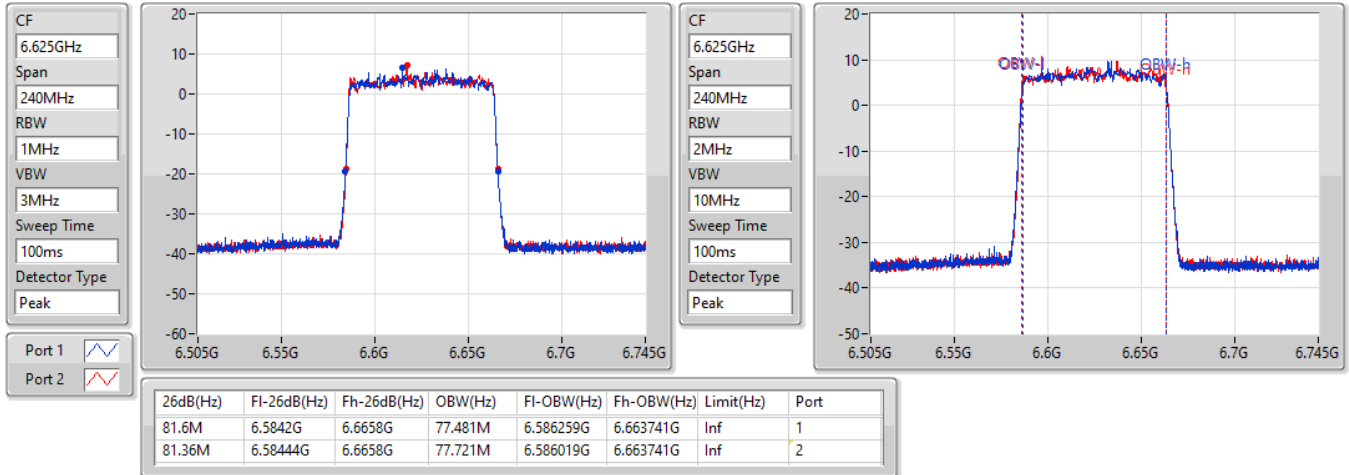


## 802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

6625MHz

24/05/2022

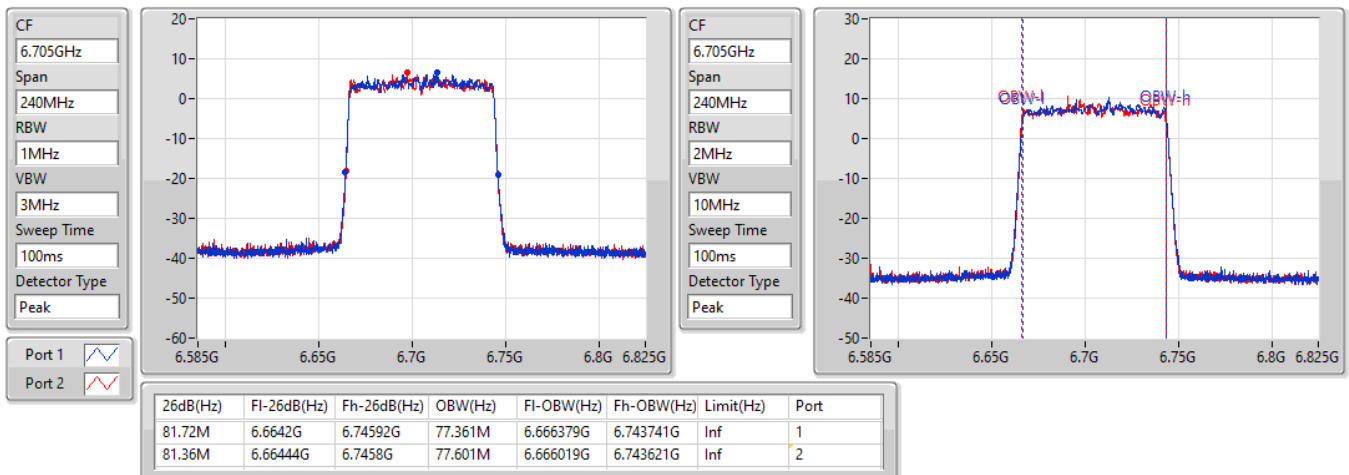


## 802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

6705MHz

24/05/2022

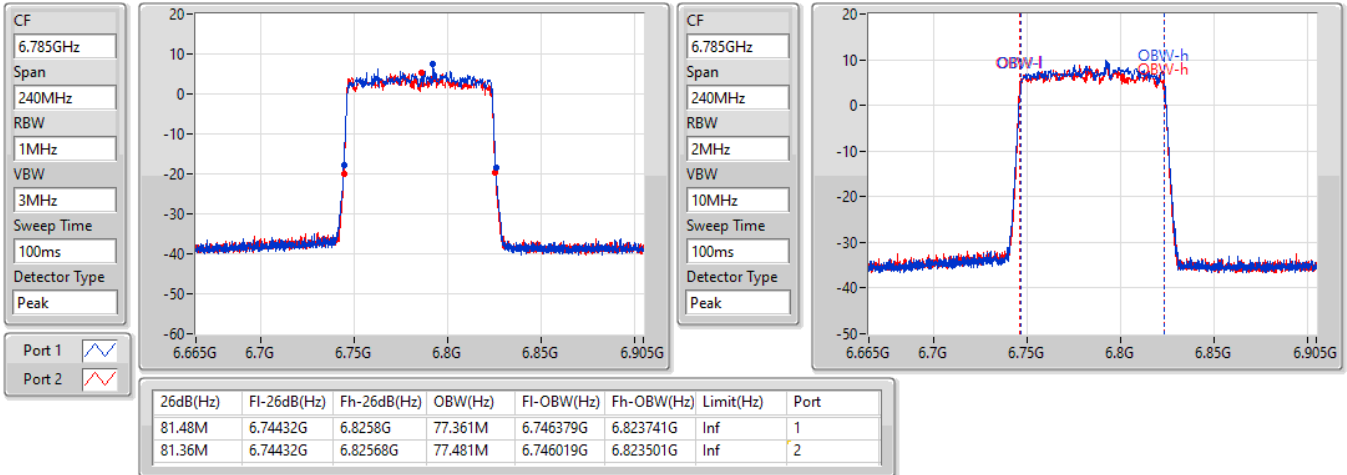


## 802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

6785MHz

24/05/2022

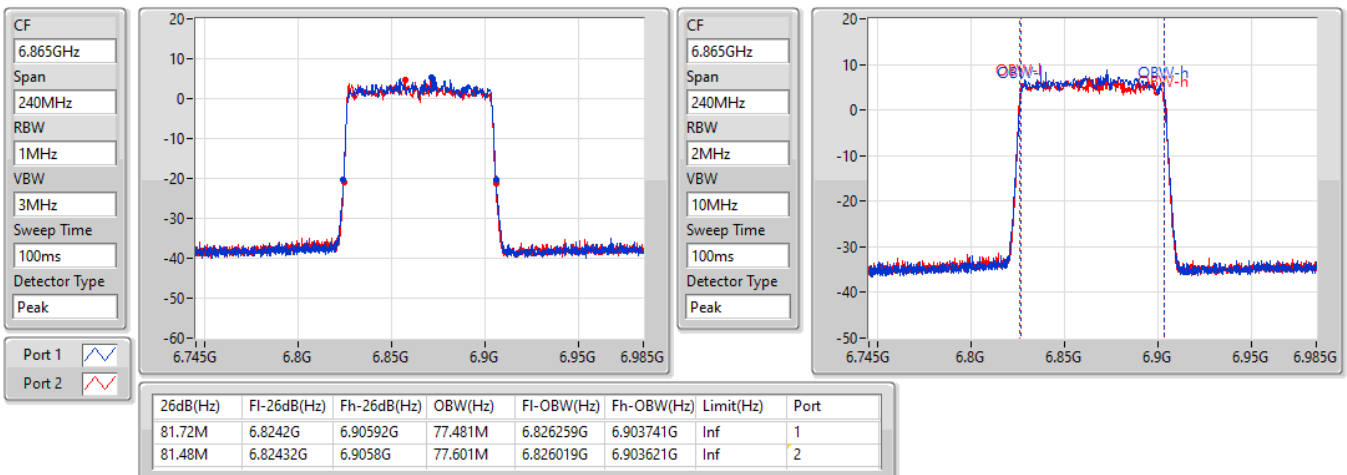


## 802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

6865MHz

24/05/2022

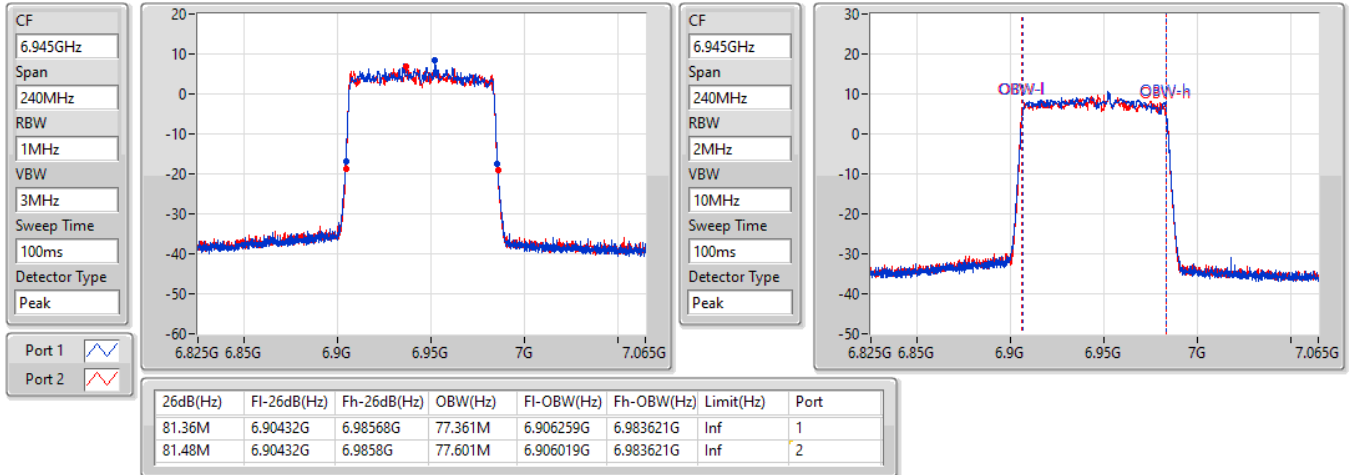


## 802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

6945MHz

24/05/2022

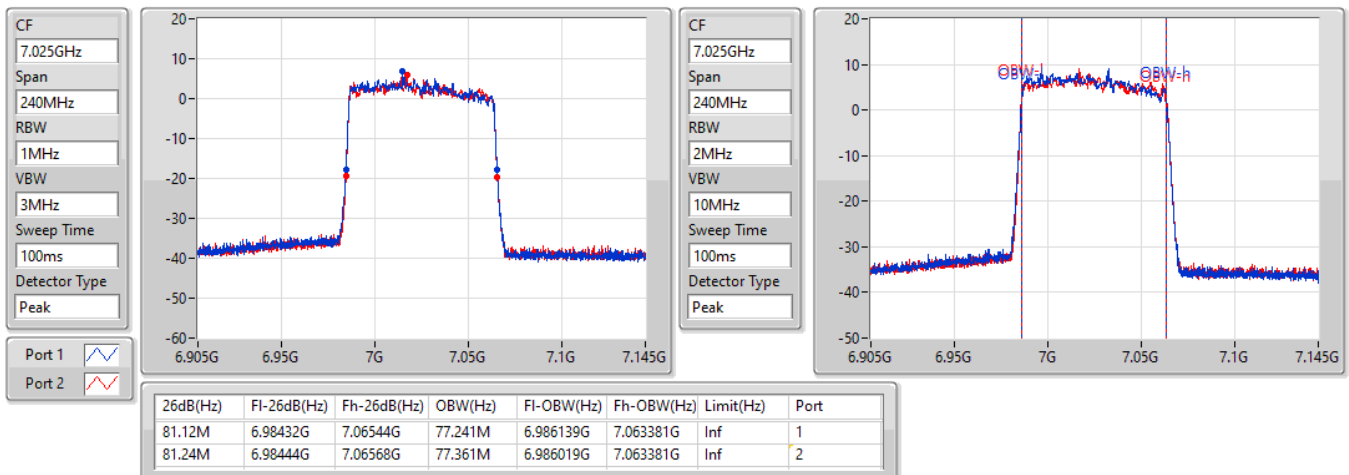


## 802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

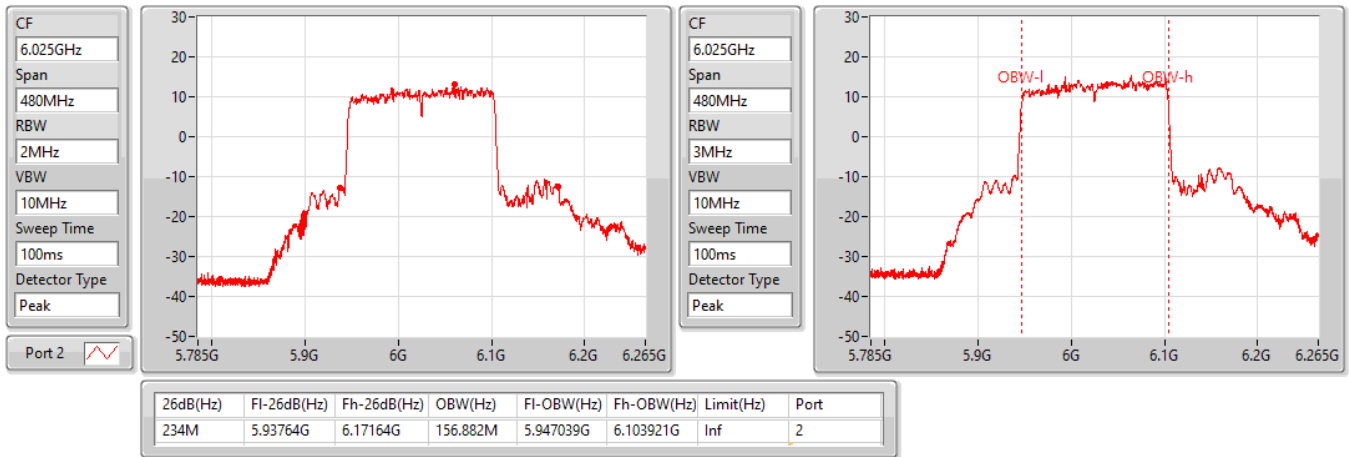
7025MHz

24/05/2022

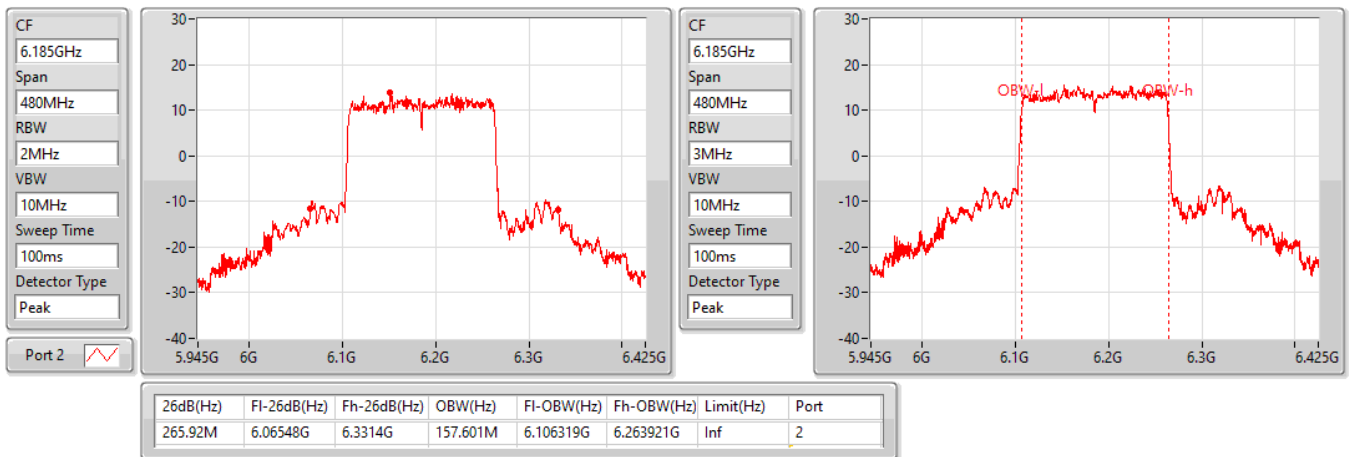


**802.11ax HEW160\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6025MHz**

14/06/2022


**802.11ax HEW160\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6185MHz**

14/06/2022

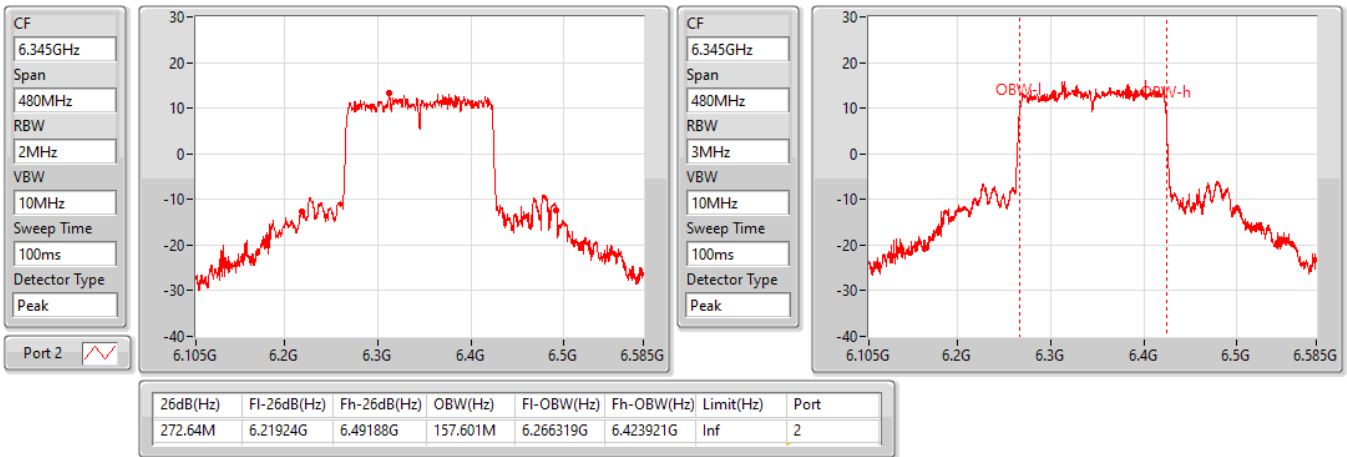


## 802.11ax HEW160\_Nss1,(MCS0)\_1TX(Port2)

EBW

6345MHz

14/06/2022

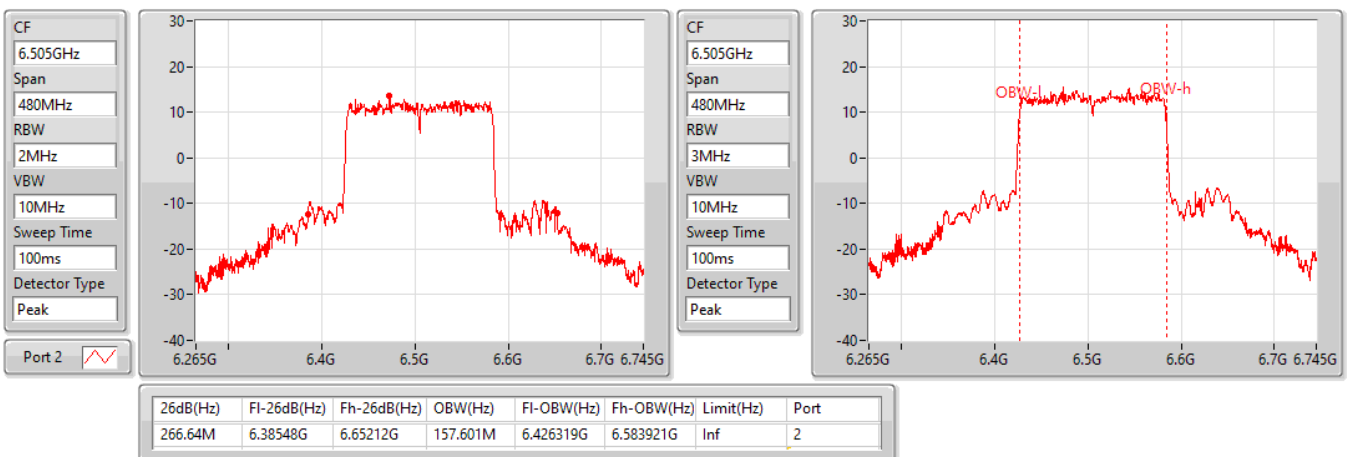


## 802.11ax HEW160\_Nss1,(MCS0)\_1TX(Port2)

EBW

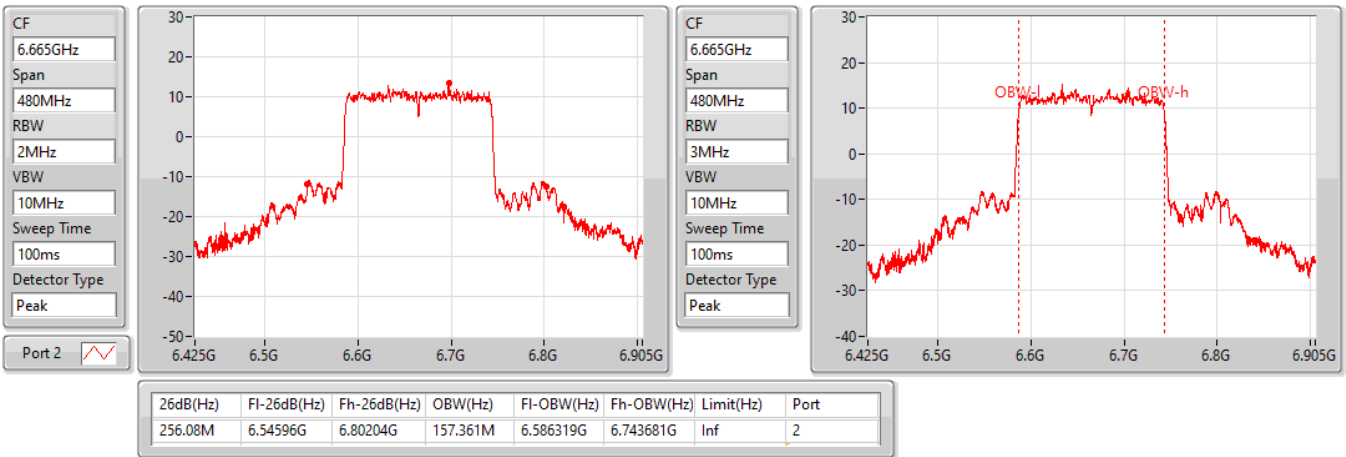
6505MHz

14/06/2022

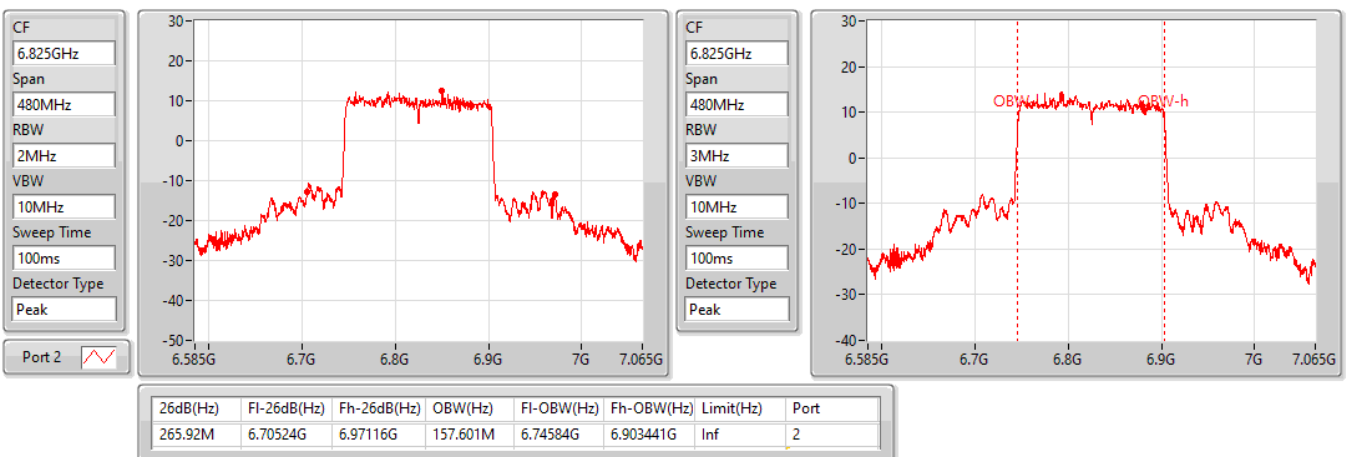


**802.11ax HEW160\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6665MHz**

14/06/2022


**802.11ax HEW160\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6825MHz**

14/06/2022

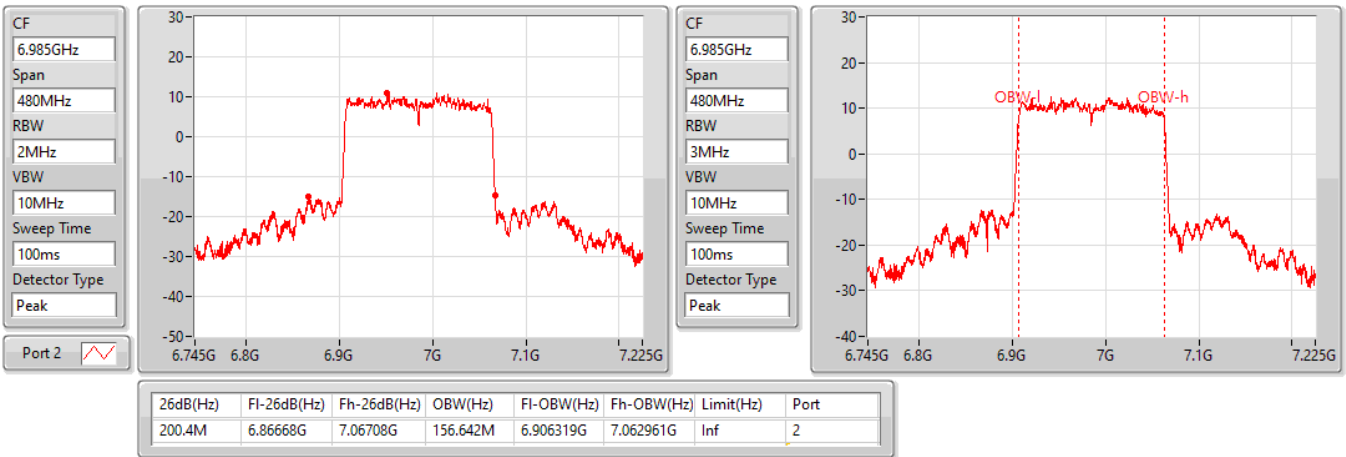


## 802.11ax HEW160\_Nss1,(MCS0)\_1TX(Port2)

EBW

6985MHz

14/06/2022

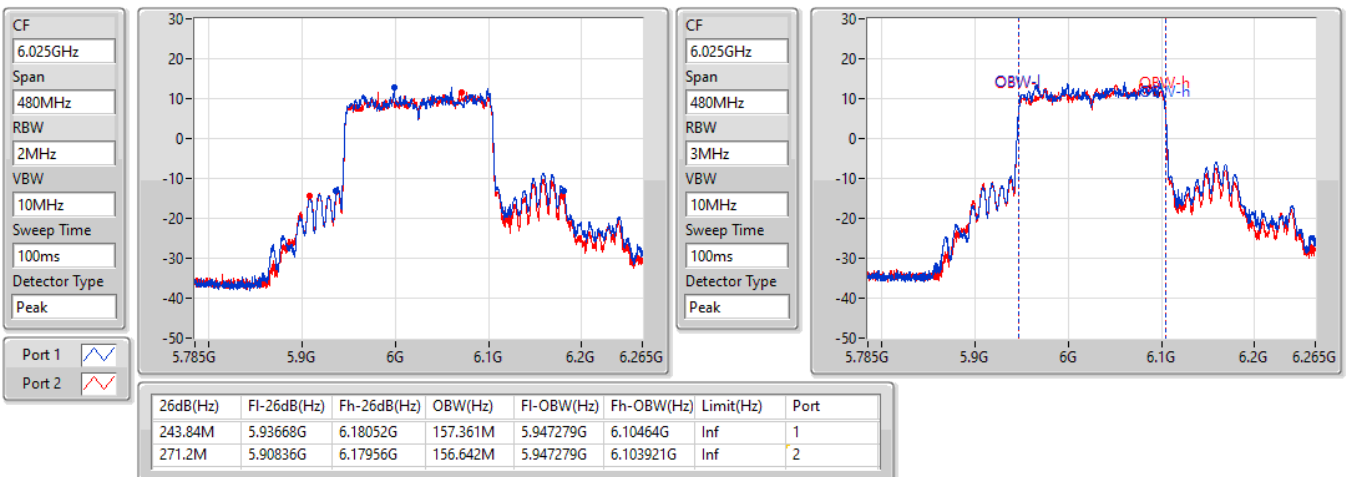


## 802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

6025MHz

14/06/2022

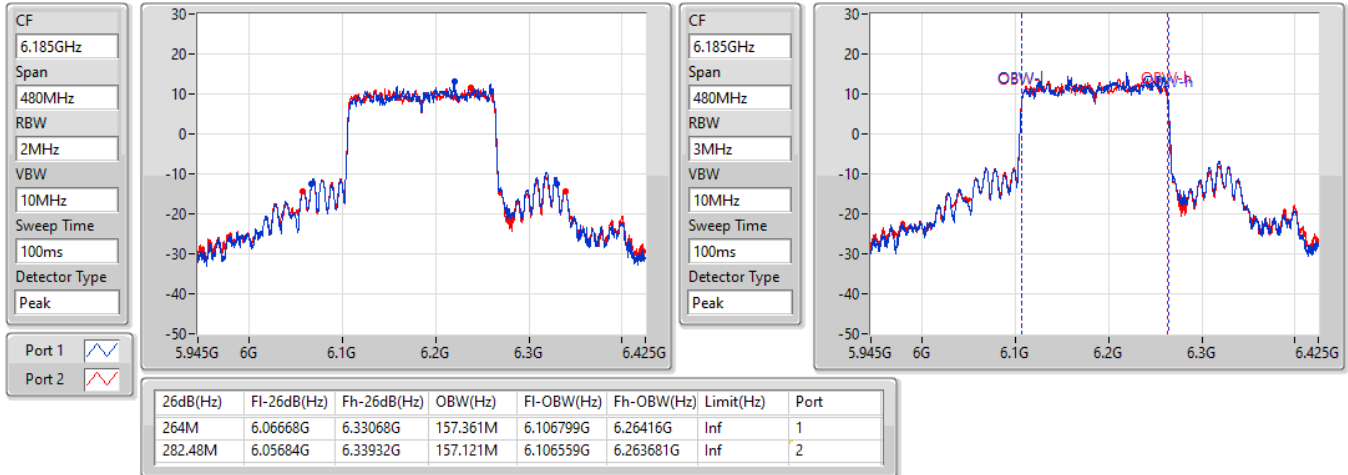


## 802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

6185MHz

14/06/2022

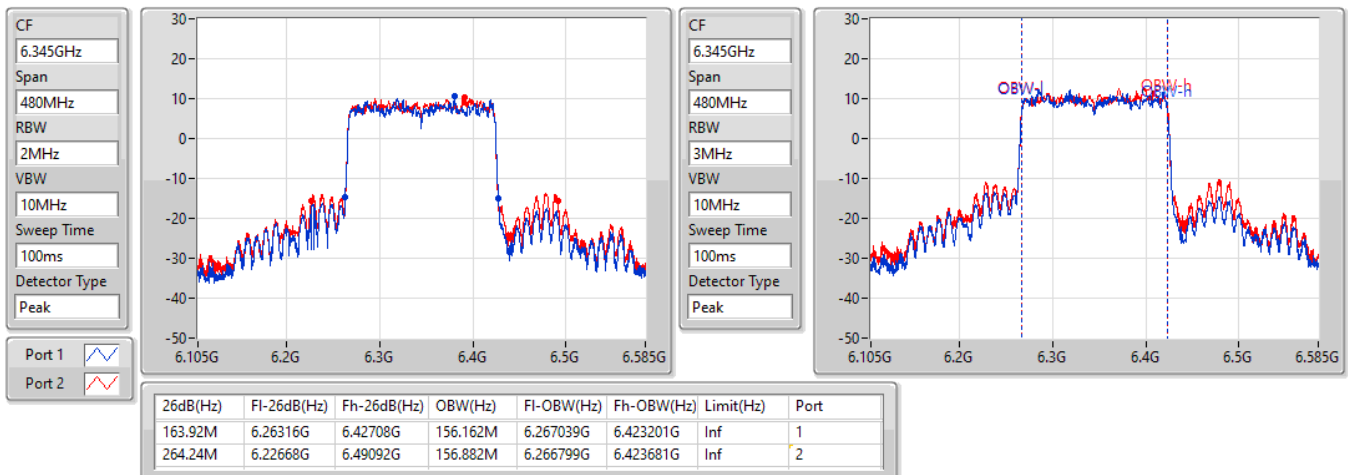


## 802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

6345MHz

14/06/2022



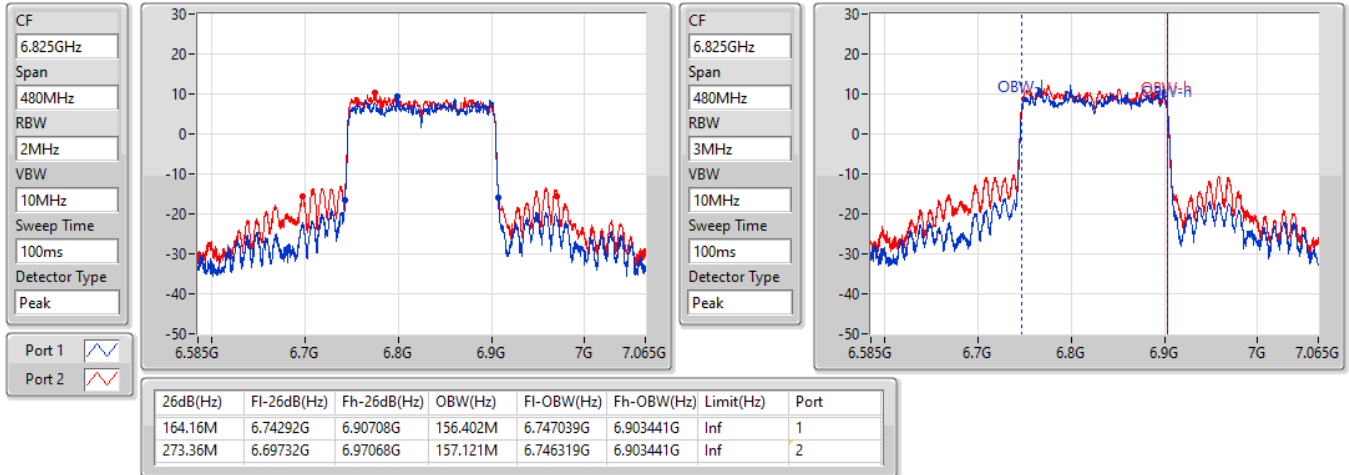


## 802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

6825MHz

14/06/2022

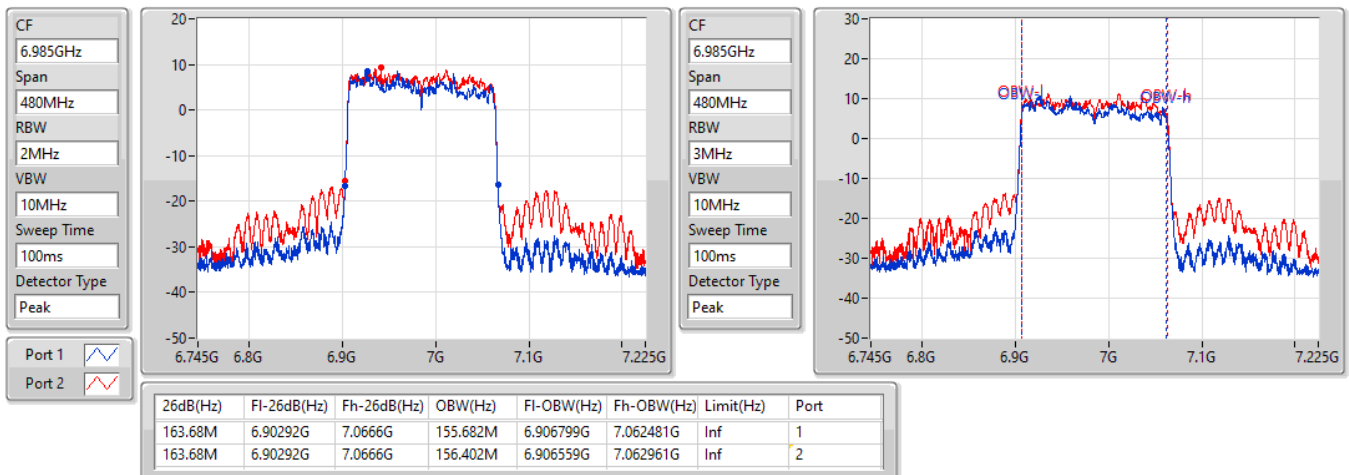


## 802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

6985MHz

14/06/2022



**Summary**

| Mode                                   | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|----------------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.925-6.425GHz                         | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX(Port2)        | 21.6M            | 17.211M         | 17M3D1D  | 21.36M           | 17.181M         |
| 802.11a_Nss1,(6Mbps)_2TX               | 21.69M           | 17.241M         | 17M3D1D  | 21.36M           | 16.882M         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)  | 21.9M            | 19.16M          | 19M2D1D  | 21.75M           | 19.13M          |
| 802.11ax HEW20_Nss2,(MCS0)_2TX         | 21.84M           | 19.16M          | 19M2D1D  | 21.63M           | 19.1M           |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)  | 40.14M           | 37.781M         | 37M8D1D  | 40.08M           | 37.781M         |
| 802.11ax HEW40_Nss2,(MCS0)_2TX         | 40.32M           | 37.781M         | 37M8D1D  | 39.96M           | 37.661M         |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)  | 81.48M           | 77.721M         | 77M8D1D  | 81.36M           | 77.601M         |
| 802.11ax HEW80_Nss2,(MCS0)_2TX         | 82.2M            | 77.601M         | 77M7D1D  | 81.24M           | 77.361M         |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | 309.36M          | 159.52M         | 160MD1D  | 234M             | 157.361M        |
| 802.11ax HEW160_Nss2,(MCS0)_2TX        | 233.76M          | 156.882M        | 157MD1D  | 164.16M          | 155.922M        |
| 6.425-6.525GHz                         | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX(Port2)        | 21.78M           | 17.181M         | 17M2D1D  | 21.66M           | 17.181M         |
| 802.11a_Nss1,(6Mbps)_2TX               | 21.63M           | 17.211M         | 17M3D1D  | 21.36M           | 16.882M         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)  | 21.81M           | 19.16M          | 19M2D1D  | 21.81M           | 19.1M           |
| 802.11ax HEW20_Nss2,(MCS0)_2TX         | 21.9M            | 19.19M          | 19M2D1D  | 21.63M           | 19.1M           |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)  | 40.2M            | 37.841M         | 37M9D1D  | 40.14M           | 37.781M         |
| 802.11ax HEW40_Nss2,(MCS0)_2TX         | 40.32M           | 37.781M         | 37M8D1D  | 40.08M           | 37.721M         |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)  | 81.6M            | 77.721M         | 77M8D1D  | 81.48M           | 77.721M         |
| 802.11ax HEW80_Nss2,(MCS0)_2TX         | 81.96M           | 77.601M         | 77M7D1D  | 81.48M           | 77.361M         |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | 305.52M          | 159.04M         | 159MD1D  | 305.52M          | 159.04M         |
| 802.11ax HEW160_Nss2,(MCS0)_2TX        | 164.88M          | 156.402M        | 156MD1D  | 164.4M           | 156.402M        |
| 6.525-6.875GHz                         | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX(Port2)        | 21.66M           | 17.211M         | 17M3D1D  | 21.6M            | 17.151M         |
| 802.11a_Nss1,(6Mbps)_2TX               | 21.75M           | 17.181M         | 17M2D1D  | 21.36M           | 16.882M         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)  | 21.81M           | 19.13M          | 19M2D1D  | 21.54M           | 19.13M          |
| 802.11ax HEW20_Nss2,(MCS0)_2TX         | 21.87M           | 19.16M          | 19M2D1D  | 21.63M           | 19.1M           |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)  | 40.14M           | 37.841M         | 37M9D1D  | 40.02M           | 37.721M         |
| 802.11ax HEW40_Nss2,(MCS0)_2TX         | 40.26M           | 37.901M         | 38M0D1D  | 39.96M           | 37.661M         |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)  | 81.6M            | 77.841M         | 77M9D1D  | 81.24M           | 77.481M         |
| 802.11ax HEW80_Nss2,(MCS0)_2TX         | 82.08M           | 77.601M         | 77M7D1D  | 81.12M           | 77.361M         |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | 307.92M          | 157.841M        | 158MD1D  | 302.4M           | 157.601M        |
| 802.11ax HEW160_Nss2,(MCS0)_2TX        | 171.84M          | 156.642M        | 157MD1D  | 164.64M          | 156.402M        |
| 6.875-7.125GHz                         | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_1TX(Port2)        | 21.72M           | 17.181M         | 17M2D1D  | 21.66M           | 17.061M         |
| 802.11a_Nss1,(6Mbps)_2TX               | 21.69M           | 17.181M         | 17M2D1D  | 21.27M           | 16.792M         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)  | 21.78M           | 19.13M          | 19M2D1D  | 21.69M           | 19.07M          |
| 802.11ax HEW20_Nss2,(MCS0)_2TX         | 21.72M           | 19.16M          | 19M2D1D  | 21.48M           | 19.07M          |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)  | 40.14M           | 37.841M         | 37M9D1D  | 40.02M           | 37.781M         |
| 802.11ax HEW40_Nss2,(MCS0)_2TX         | 40.2M            | 37.781M         | 37M8D1D  | 39.84M           | 37.721M         |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)  | 81.84M           | 77.841M         | 77M9D1D  | 81.36M           | 77.601M         |
| 802.11ax HEW80_Nss2,(MCS0)_2TX         | 81.72M           | 77.841M         | 77M9D1D  | 81.24M           | 77.481M         |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | 239.76M          | 156.642M        | 157MD1D  | 239.76M          | 156.642M        |
| 802.11ax HEW160_Nss2,(MCS0)_2TX        | 164.16M          | 155.682M        | 156MD1D  | 164.16M          | 155.682M        |

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)_1TX(Port2)       | -      | -          | -                | -               | -                | -               |
| 5955MHz                               | Pass   | Inf        |                  |                 | 21.36M           | 17.181M         |
| 6175MHz                               | Pass   | Inf        |                  |                 | 21.6M            | 17.181M         |
| 6415MHz                               | Pass   | Inf        |                  |                 | 21.6M            | 17.211M         |
| 6435MHz                               | Pass   | Inf        |                  |                 | 21.66M           | 17.181M         |
| 6475MHz                               | Pass   | Inf        |                  |                 | 21.78M           | 17.181M         |
| 6515MHz                               | Pass   | Inf        |                  |                 | 21.72M           | 17.181M         |
| 6535MHz                               | Pass   | Inf        |                  |                 | 21.66M           | 17.151M         |
| 6695MHz                               | Pass   | Inf        |                  |                 | 21.66M           | 17.181M         |
| 6855MHz                               | Pass   | Inf        |                  |                 | 21.6M            | 17.211M         |
| 6875MHz                               | Pass   | Inf        |                  |                 | 21.6M            | 17.181M         |
| 6895MHz                               | Pass   | Inf        |                  |                 | 21.66M           | 17.151M         |
| 6995MHz                               | Pass   | Inf        |                  |                 | 21.66M           | 17.061M         |
| 7095MHz                               | Pass   | Inf        |                  |                 | 21.72M           | 17.181M         |
| 802.11a_Nss1,(6Mbps)_2TX              | -      | -          | -                | -               | -                | -               |
| 5955MHz                               | Pass   | Inf        | 21.54M           | 17.151M         | 21.36M           | 16.882M         |
| 6175MHz                               | Pass   | Inf        | 21.66M           | 17.241M         | 21.48M           | 16.882M         |
| 6415MHz                               | Pass   | Inf        | 21.69M           | 17.181M         | 21.6M            | 16.912M         |
| 6435MHz                               | Pass   | Inf        | 21.57M           | 17.211M         | 21.54M           | 16.912M         |
| 6475MHz                               | Pass   | Inf        | 21.48M           | 17.151M         | 21.39M           | 16.882M         |
| 6515MHz                               | Pass   | Inf        | 21.63M           | 17.181M         | 21.36M           | 16.912M         |
| 6535MHz                               | Pass   | Inf        | 21.48M           | 17.181M         | 21.48M           | 16.882M         |
| 6695MHz                               | Pass   | Inf        | 21.75M           | 17.181M         | 21.39M           | 16.912M         |
| 6855MHz                               | Pass   | Inf        | 21.57M           | 17.181M         | 21.42M           | 16.912M         |
| 6875MHz                               | Pass   | Inf        | 21.75M           | 17.181M         | 21.36M           | 16.912M         |
| 6895MHz                               | Pass   | Inf        | 21.69M           | 17.181M         | 21.48M           | 16.912M         |
| 6995MHz                               | Pass   | Inf        | 21.48M           | 17.091M         | 21.27M           | 16.792M         |
| 7095MHz                               | Pass   | Inf        | 21.6M            | 17.151M         | 21.48M           | 16.912M         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX(Port2) | -      | -          | -                | -               | -                | -               |
| 5955MHz                               | Pass   | Inf        |                  |                 | 21.9M            | 19.13M          |
| 6175MHz                               | Pass   | Inf        |                  |                 | 21.75M           | 19.13M          |
| 6415MHz                               | Pass   | Inf        |                  |                 | 21.87M           | 19.16M          |
| 6435MHz                               | Pass   | Inf        |                  |                 | 21.81M           | 19.1M           |
| 6475MHz                               | Pass   | Inf        |                  |                 | 21.81M           | 19.13M          |
| 6515MHz                               | Pass   | Inf        |                  |                 | 21.81M           | 19.16M          |
| 6535MHz                               | Pass   | Inf        |                  |                 | 21.81M           | 19.13M          |
| 6695MHz                               | Pass   | Inf        |                  |                 | 21.81M           | 19.13M          |
| 6855MHz                               | Pass   | Inf        |                  |                 | 21.54M           | 19.13M          |
| 6875MHz                               | Pass   | Inf        |                  |                 | 21.81M           | 19.13M          |
| 6895MHz                               | Pass   | Inf        |                  |                 | 21.72M           | 19.13M          |
| 6995MHz                               | Pass   | Inf        |                  |                 | 21.78M           | 19.07M          |
| 7095MHz                               | Pass   | Inf        |                  |                 | 21.69M           | 19.13M          |
| 802.11ax HEW20_Nss2,(MCS0)_2TX        | -      | -          | -                | -               | -                | -               |
| 5955MHz                               | Pass   | Inf        | 21.84M           | 19.13M          | 21.66M           | 19.1M           |
| 6175MHz                               | Pass   | Inf        | 21.78M           | 19.16M          | 21.63M           | 19.13M          |
| 6415MHz                               | Pass   | Inf        | 21.81M           | 19.13M          | 21.63M           | 19.1M           |
| 6435MHz                               | Pass   | Inf        | 21.75M           | 19.19M          | 21.69M           | 19.1M           |
| 6475MHz                               | Pass   | Inf        | 21.9M            | 19.13M          | 21.63M           | 19.16M          |
| 6515MHz                               | Pass   | Inf        | 21.66M           | 19.16M          | 21.72M           | 19.13M          |
| 6535MHz                               | Pass   | Inf        | 21.63M           | 19.1M           | 21.63M           | 19.1M           |
| 6695MHz                               | Pass   | Inf        | 21.87M           | 19.1M           | 21.69M           | 19.13M          |
| 6855MHz                               | Pass   | Inf        | 21.81M           | 19.13M          | 21.66M           | 19.13M          |
| 6875MHz                               | Pass   | Inf        | 21.75M           | 19.16M          | 21.69M           | 19.13M          |
| 6895MHz                               | Pass   | Inf        | 21.72M           | 19.16M          | 21.6M            | 19.13M          |
| 6995MHz                               | Pass   | Inf        | 21.48M           | 19.07M          | 21.51M           | 19.1M           |



## EBW\_Non-Beamforming\_Dipole

## Appendix B.2

| Mode                                   | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|----------------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 7095MHz                                | Pass   | Inf           | 21.72M              | 19.13M             | 21.72M              | 19.16M             |
| 802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)  | -      | -             | -                   | -                  | -                   | -                  |
| 5965MHz                                | Pass   | Inf           |                     |                    | 40.14M              | 37.781M            |
| 6165MHz                                | Pass   | Inf           |                     |                    | 40.08M              | 37.781M            |
| 6405MHz                                | Pass   | Inf           |                     |                    | 40.14M              | 37.781M            |
| 6445MHz                                | Pass   | Inf           |                     |                    | 40.2M               | 37.781M            |
| 6485MHz                                | Pass   | Inf           |                     |                    | 40.14M              | 37.781M            |
| 6525MHz                                | Pass   | Inf           |                     |                    | 40.14M              | 37.841M            |
| 6565MHz                                | Pass   | Inf           |                     |                    | 40.14M              | 37.721M            |
| 6685MHz                                | Pass   | Inf           |                     |                    | 40.14M              | 37.841M            |
| 6845MHz                                | Pass   | Inf           |                     |                    | 40.14M              | 37.781M            |
| 6885MHz                                | Pass   | Inf           |                     |                    | 40.02M              | 37.781M            |
| 6925MHz                                | Pass   | Inf           |                     |                    | 40.14M              | 37.781M            |
| 7005MHz                                | Pass   | Inf           |                     |                    | 40.02M              | 37.841M            |
| 7085MHz                                | Pass   | Inf           |                     |                    | 40.14M              | 37.781M            |
| 802.11ax HEW40_Nss2,(MCS0)_2TX         | -      | -             | -                   | -                  | -                   | -                  |
| 5965MHz                                | Pass   | Inf           | 40.26M              | 37.661M            | 40.08M              | 37.721M            |
| 6165MHz                                | Pass   | Inf           | 40.26M              | 37.721M            | 40.2M               | 37.781M            |
| 6405MHz                                | Pass   | Inf           | 40.32M              | 37.721M            | 39.96M              | 37.721M            |
| 6445MHz                                | Pass   | Inf           | 40.32M              | 37.781M            | 40.08M              | 37.781M            |
| 6485MHz                                | Pass   | Inf           | 40.26M              | 37.721M            | 40.14M              | 37.721M            |
| 6525MHz                                | Pass   | Inf           | 40.26M              | 37.781M            | 40.2M               | 37.781M            |
| 6565MHz                                | Pass   | Inf           | 40.26M              | 37.661M            | 40.08M              | 37.781M            |
| 6685MHz                                | Pass   | Inf           | 39.96M              | 37.841M            | 40.08M              | 37.901M            |
| 6845MHz                                | Pass   | Inf           | 40.14M              | 37.781M            | 40.02M              | 37.781M            |
| 6885MHz                                | Pass   | Inf           | 40.08M              | 37.721M            | 40.02M              | 37.781M            |
| 6925MHz                                | Pass   | Inf           | 40.14M              | 37.721M            | 40.02M              | 37.781M            |
| 7005MHz                                | Pass   | Inf           | 40.14M              | 37.721M            | 39.84M              | 37.781M            |
| 7085MHz                                | Pass   | Inf           | 40.14M              | 37.721M            | 40.2M               | 37.781M            |
| 802.11ax HEW80_Nss1,(MCS0)_1TX(Port2)  | -      | -             | -                   | -                  | -                   | -                  |
| 5985MHz                                | Pass   | Inf           |                     |                    | 81.36M              | 77.721M            |
| 6145MHz                                | Pass   | Inf           |                     |                    | 81.48M              | 77.601M            |
| 6385MHz                                | Pass   | Inf           |                     |                    | 81.48M              | 77.601M            |
| 6465MHz                                | Pass   | Inf           |                     |                    | 81.6M               | 77.721M            |
| 6545MHz                                | Pass   | Inf           |                     |                    | 81.48M              | 77.721M            |
| 6625MHz                                | Pass   | Inf           |                     |                    | 81.6M               | 77.481M            |
| 6705MHz                                | Pass   | Inf           |                     |                    | 81.24M              | 77.481M            |
| 6785MHz                                | Pass   | Inf           |                     |                    | 81.48M              | 77.601M            |
| 6865MHz                                | Pass   | Inf           |                     |                    | 81.48M              | 77.841M            |
| 6945MHz                                | Pass   | Inf           |                     |                    | 81.36M              | 77.601M            |
| 7025MHz                                | Pass   | Inf           |                     |                    | 81.84M              | 77.841M            |
| 802.11ax HEW80_Nss2,(MCS0)_2TX         | -      | -             | -                   | -                  | -                   | -                  |
| 5985MHz                                | Pass   | Inf           | 81.96M              | 77.361M            | 81.48M              | 77.601M            |
| 6145MHz                                | Pass   | Inf           | 82.2M               | 77.361M            | 81.48M              | 77.481M            |
| 6385MHz                                | Pass   | Inf           | 82.08M              | 77.481M            | 81.24M              | 77.481M            |
| 6465MHz                                | Pass   | Inf           | 81.96M              | 77.481M            | 81.6M               | 77.481M            |
| 6545MHz                                | Pass   | Inf           | 81.84M              | 77.361M            | 81.48M              | 77.601M            |
| 6625MHz                                | Pass   | Inf           | 81.72M              | 77.361M            | 81.12M              | 77.361M            |
| 6705MHz                                | Pass   | Inf           | 82.08M              | 77.481M            | 81.6M               | 77.481M            |
| 6785MHz                                | Pass   | Inf           | 82.08M              | 77.361M            | 81.24M              | 77.361M            |
| 6865MHz                                | Pass   | Inf           | 81.84M              | 77.361M            | 81.36M              | 77.601M            |
| 6945MHz                                | Pass   | Inf           | 81.6M               | 77.481M            | 81.24M              | 77.481M            |
| 7025MHz                                | Pass   | Inf           | 81.72M              | 77.841M            | 81.24M              | 77.601M            |
| 802.11ax HEW160_Nss1,(MCS0)_1TX(Port2) | -      | -             | -                   | -                  | -                   | -                  |
| 6025MHz                                | Pass   | Inf           |                     |                    | 234M                | 157.361M           |
| 6185MHz                                | Pass   | Inf           |                     |                    | 309.36M             | 159.04M            |



| Mode                            | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|---------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 6345MHz                         | Pass   | Inf           |                     |                    | 307.68M             | 159.52M            |
| 6505MHz                         | Pass   | Inf           |                     |                    | 305.52M             | 159.04M            |
| 6665MHz                         | Pass   | Inf           |                     |                    | 307.92M             | 157.601M           |
| 6825MHz                         | Pass   | Inf           |                     |                    | 302.4M              | 157.841M           |
| 6985MHz                         | Pass   | Inf           |                     |                    | 239.76M             | 156.642M           |
| 802.11ax HEW160_Nss2,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 6025MHz                         | Pass   | Inf           | 233.52M             | 156.882M           | 233.76M             | 156.402M           |
| 6185MHz                         | Pass   | Inf           | 164.64M             | 156.402M           | 164.16M             | 156.162M           |
| 6345MHz                         | Pass   | Inf           | 164.16M             | 155.922M           | 165.12M             | 156.162M           |
| 6505MHz                         | Pass   | Inf           | 164.88M             | 156.402M           | 164.4M              | 156.402M           |
| 6665MHz                         | Pass   | Inf           | 171.84M             | 156.642M           | 164.64M             | 156.402M           |
| 6825MHz                         | Pass   | Inf           | 164.64M             | 156.642M           | 164.64M             | 156.402M           |
| 6985MHz                         | Pass   | Inf           | 164.16M             | 155.682M           | 164.16M             | 155.682M           |

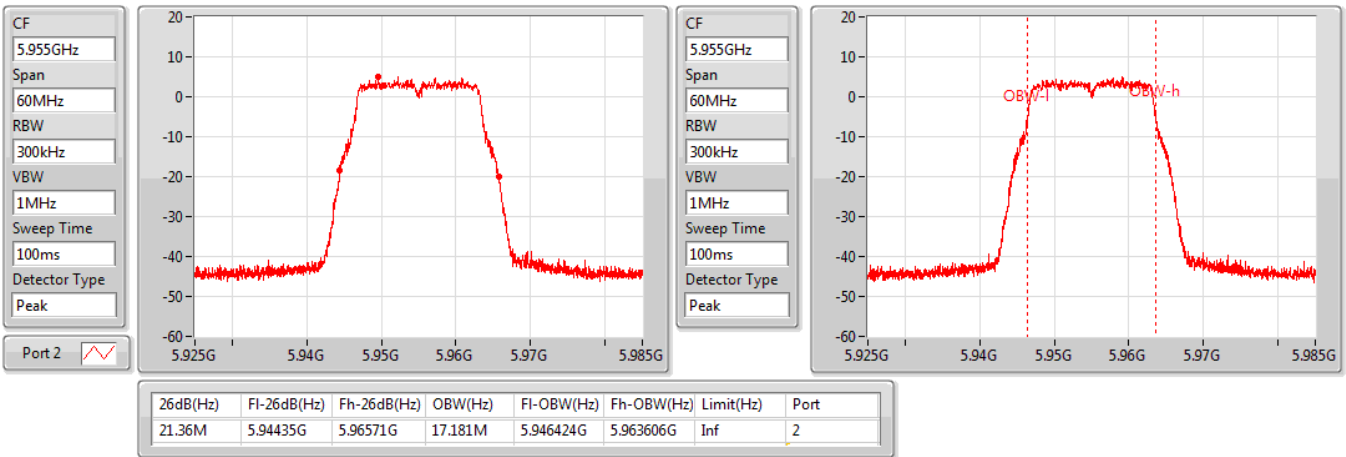
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

5955MHz

09/08/2022

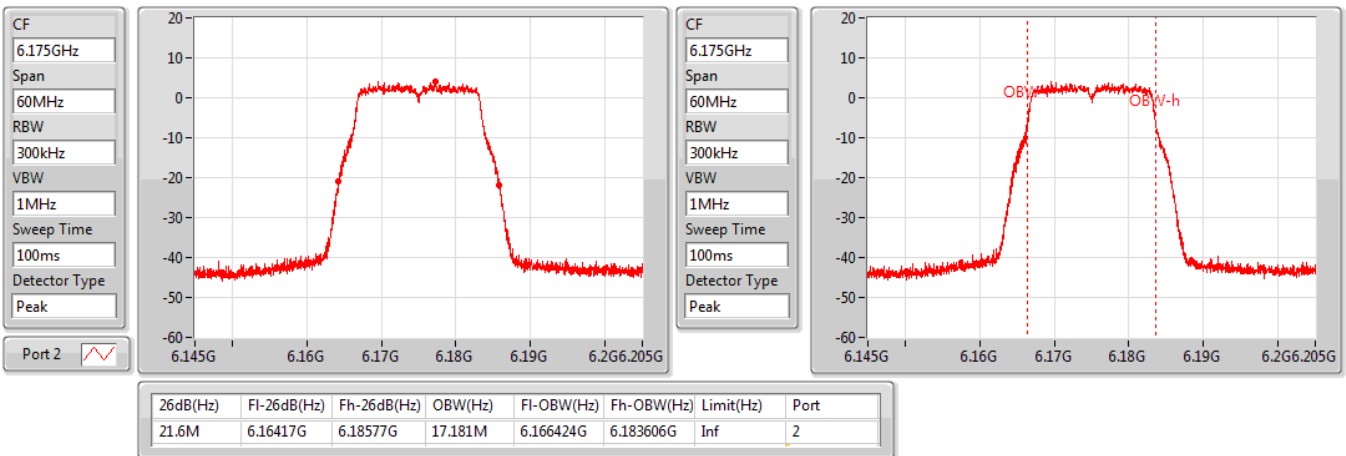


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6175MHz

09/08/2022

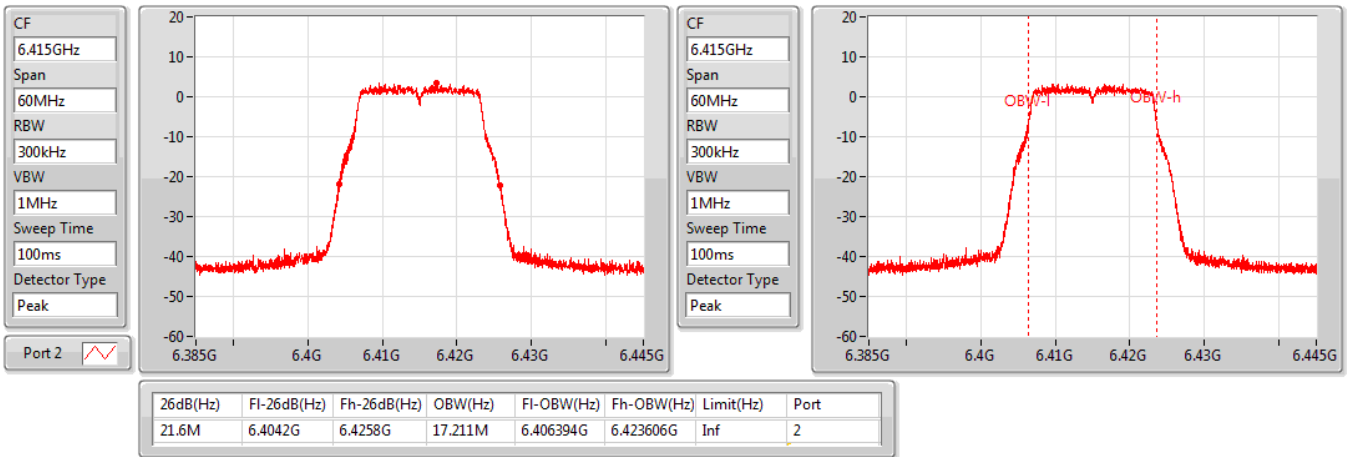


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6415MHz

09/08/2022

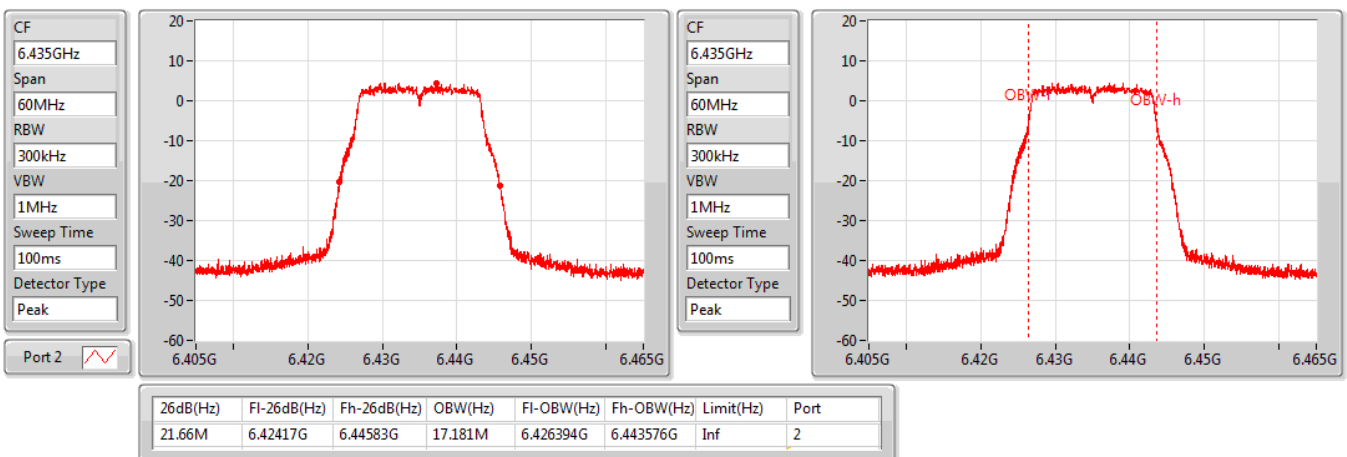


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6435MHz

09/08/2022

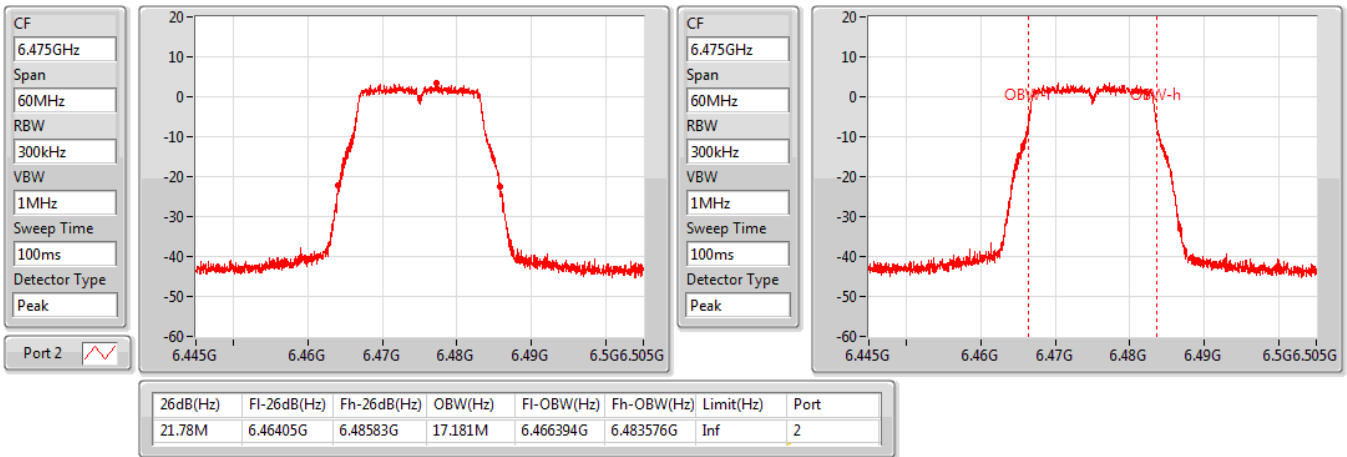


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6475MHz

09/08/2022

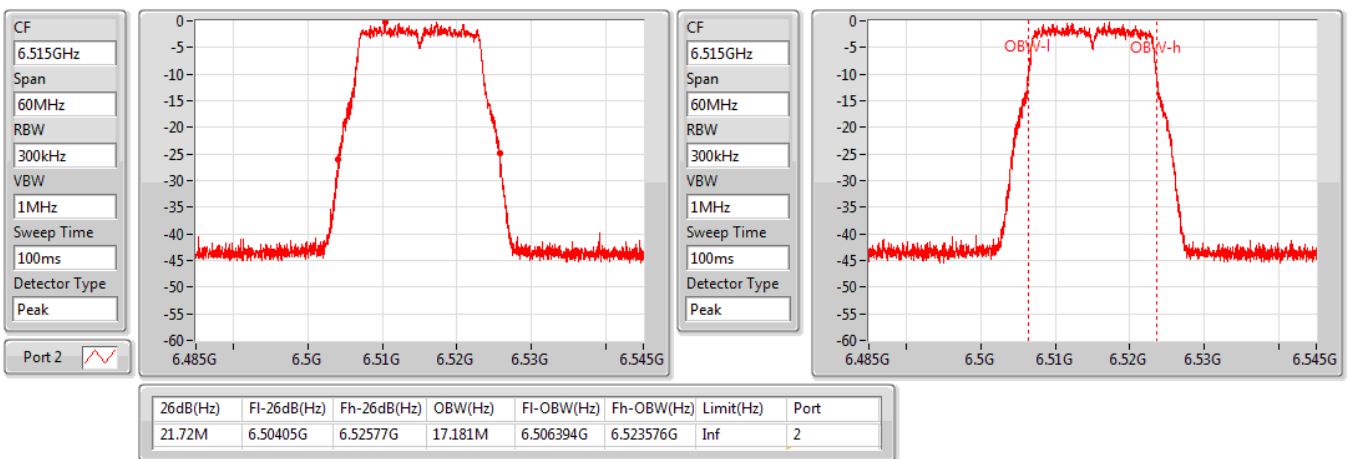


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

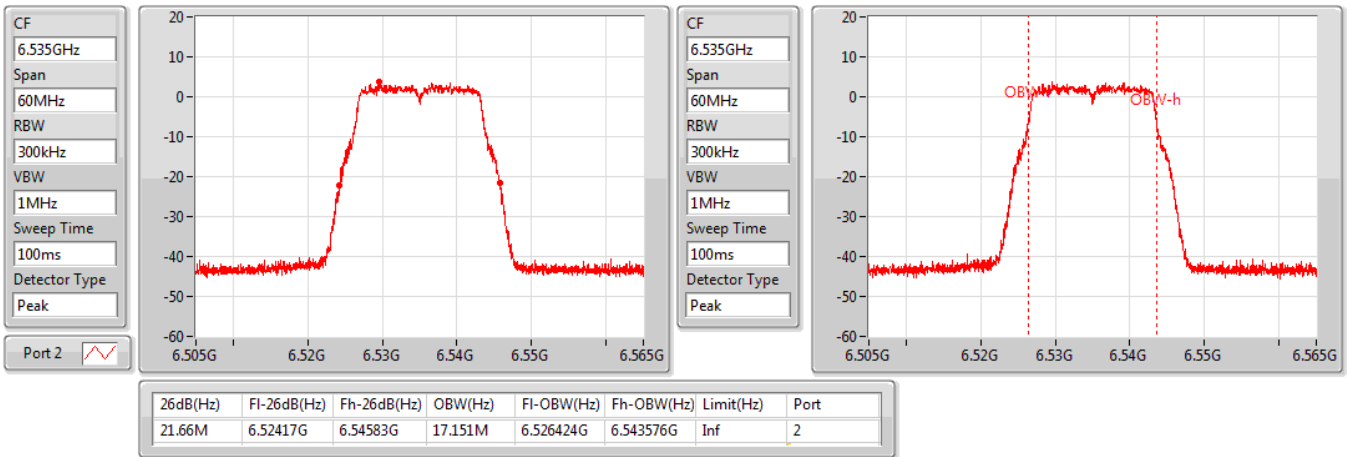
6515MHz

09/08/2022

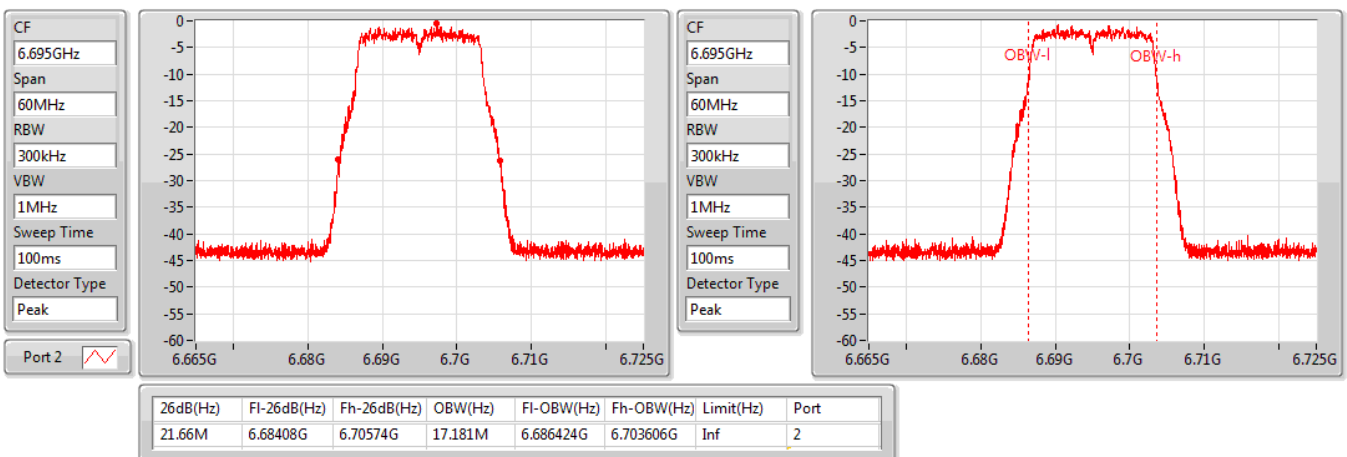


**802.11a\_Nss1,(6Mbps)\_1TX(Port2)**
**EBW**
**6535MHz**

09/08/2022


**802.11a\_Nss1,(6Mbps)\_1TX(Port2)**
**EBW**
**6695MHz**

09/08/2022

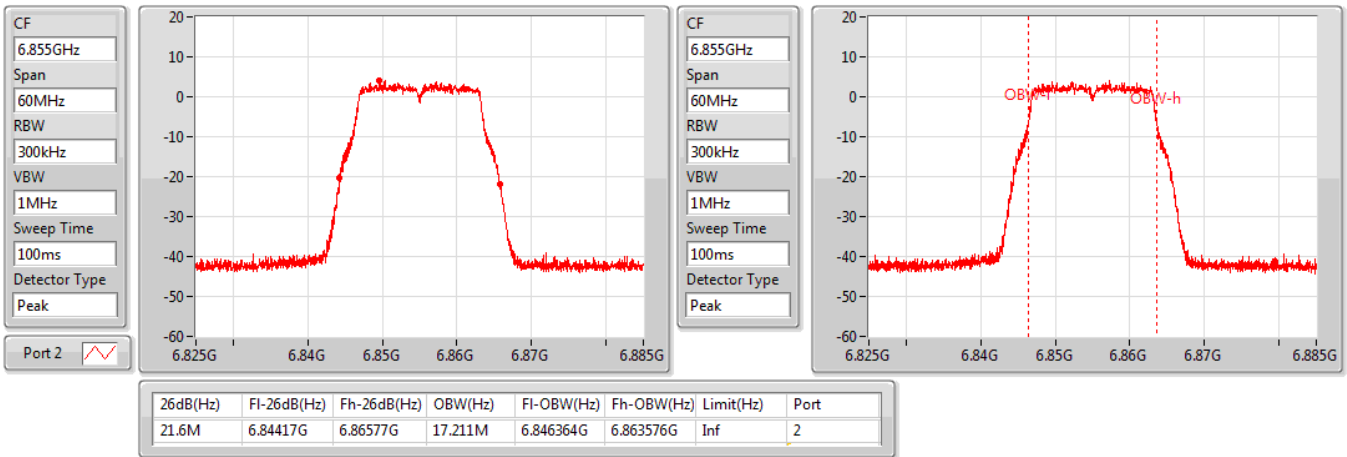


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6855MHz

09/08/2022

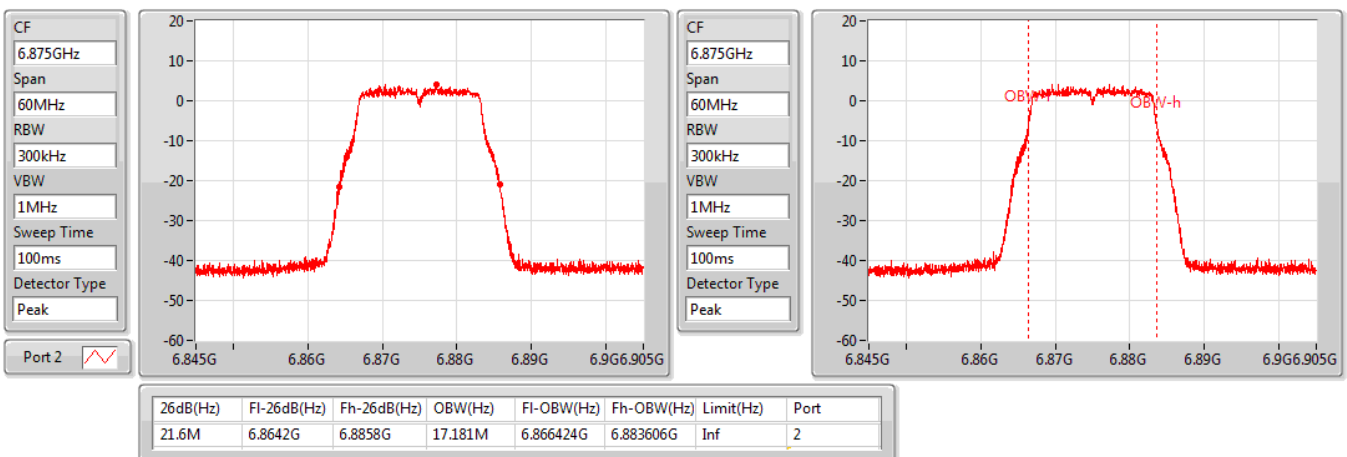


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6875MHz

09/08/2022

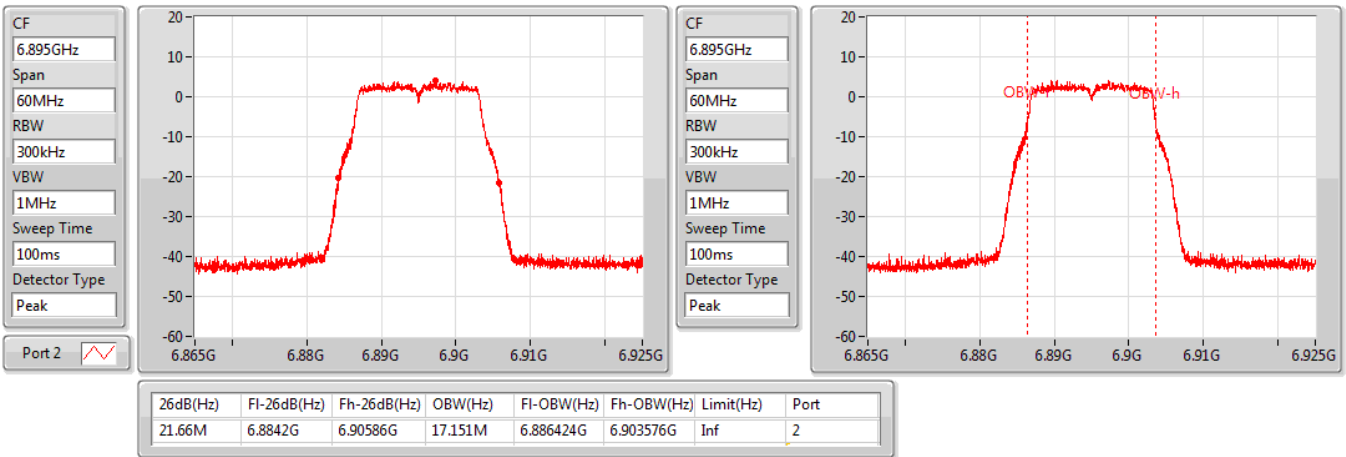


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6895MHz

09/08/2022

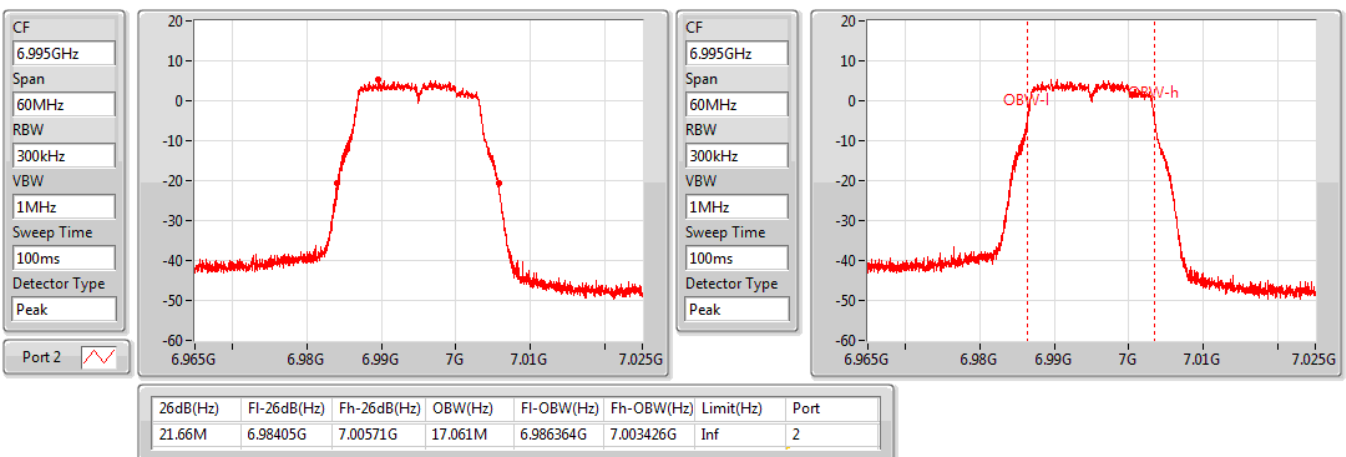


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

6995MHz

09/08/2022

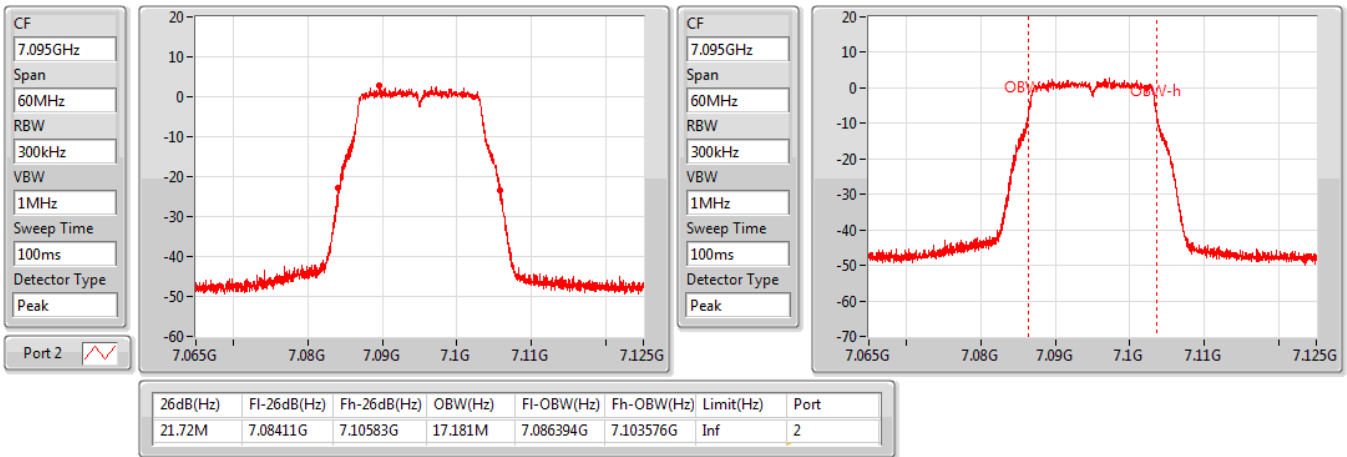


## 802.11a\_Nss1,(6Mbps)\_1TX(Port2)

EBW

7095MHz

09/08/2022

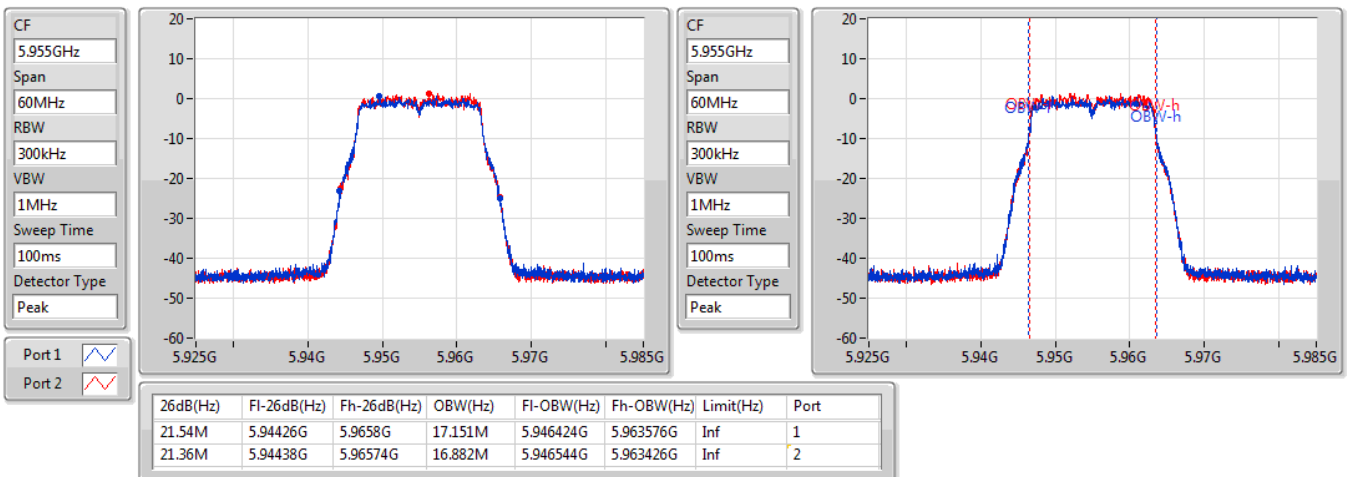


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5955MHz

09/08/2022

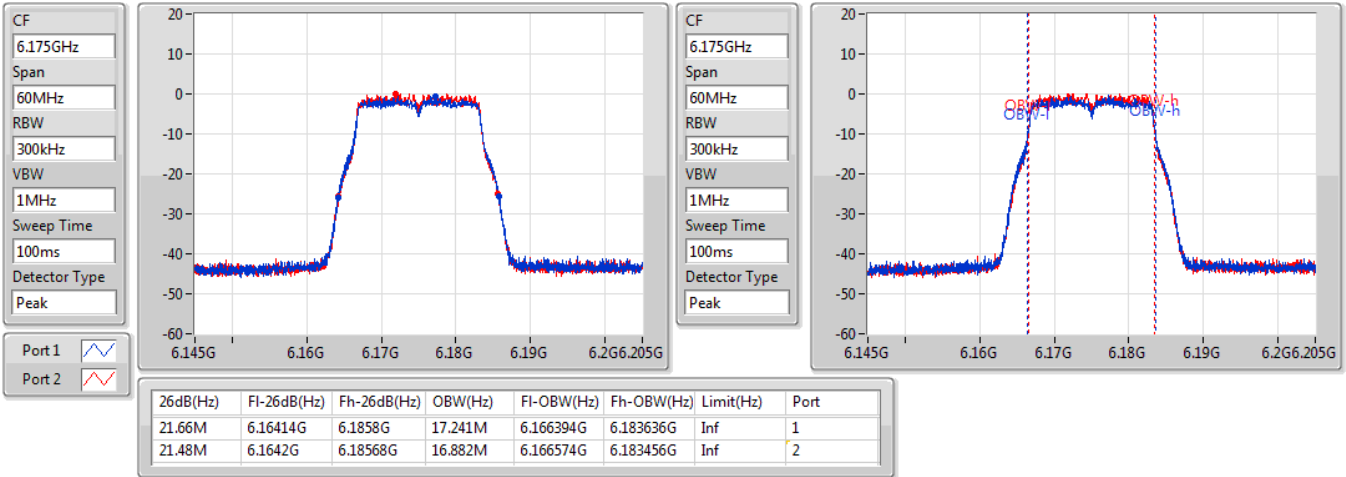


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6175MHz

09/08/2022

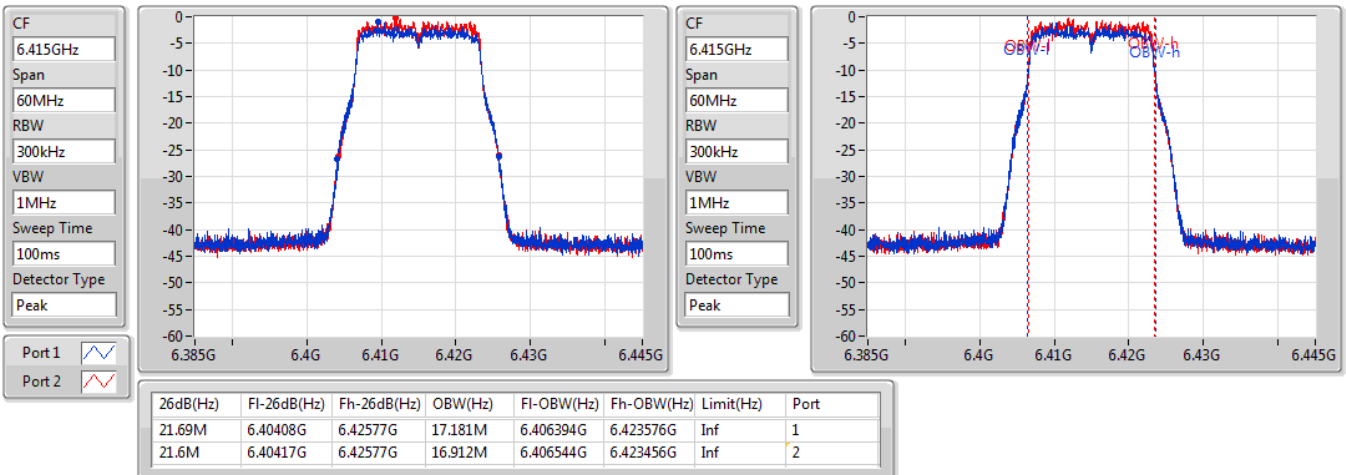


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6415MHz

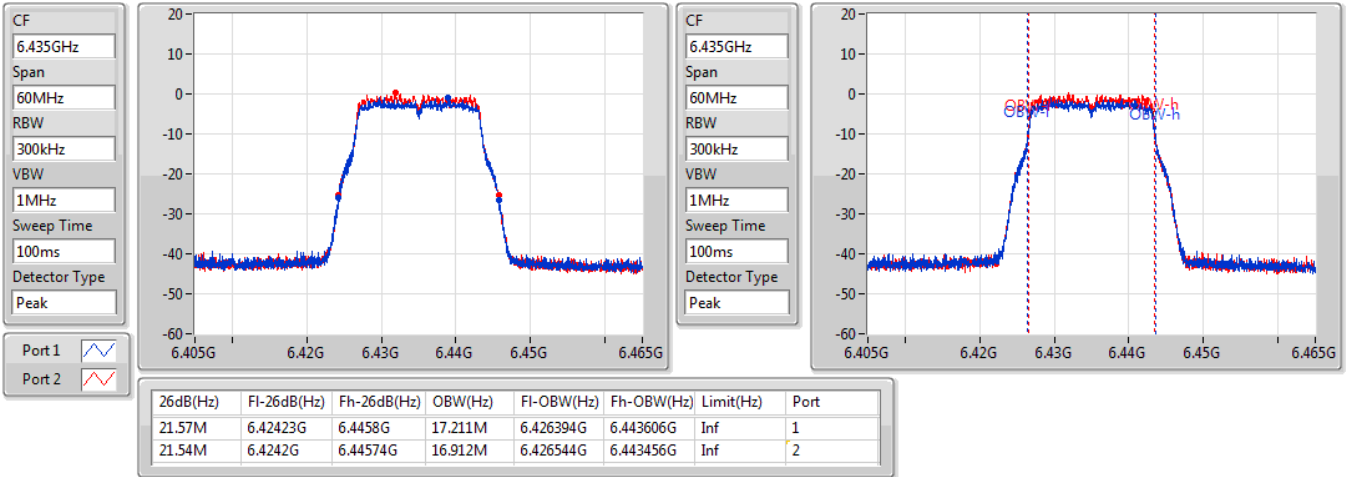
09/08/2022



## 802.11a\_Nss1,(6Mbps)\_2TX

6435MHz

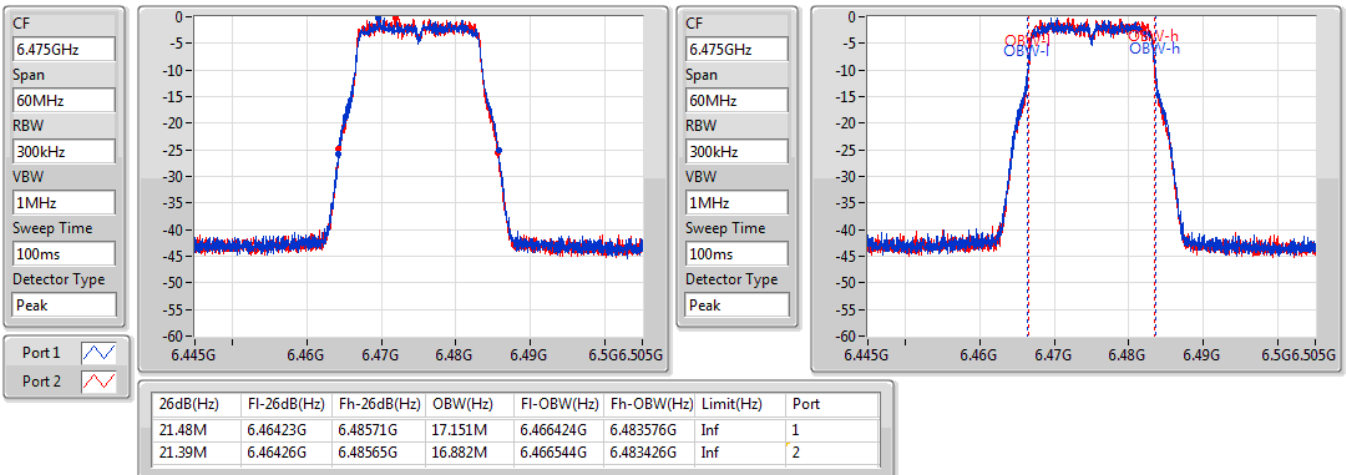
09/08/2022



## 802.11a\_Nss1,(6Mbps)\_2TX

6475MHz

09/08/2022

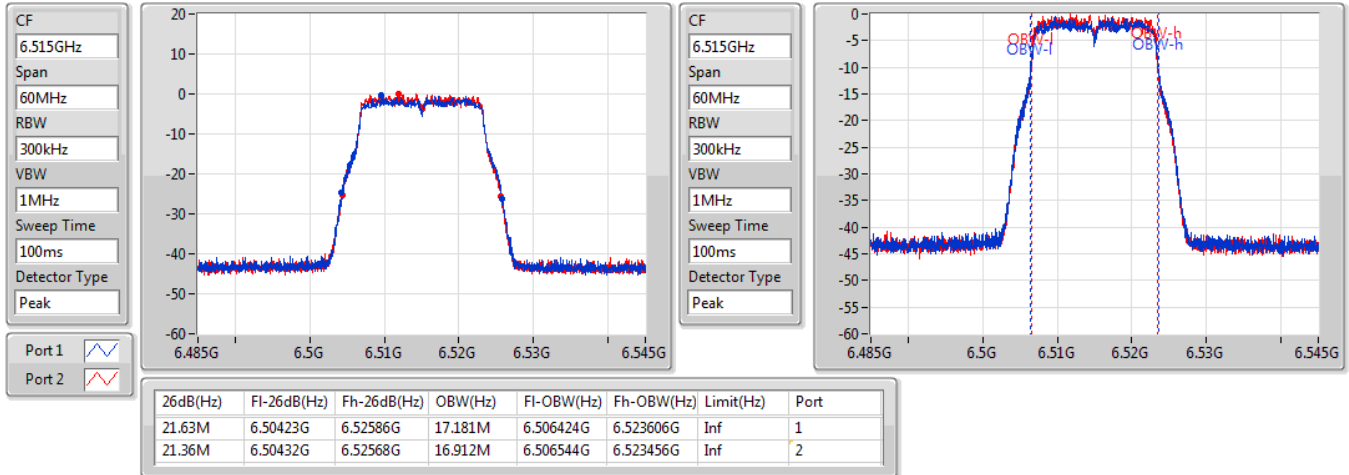


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6515MHz

09/08/2022

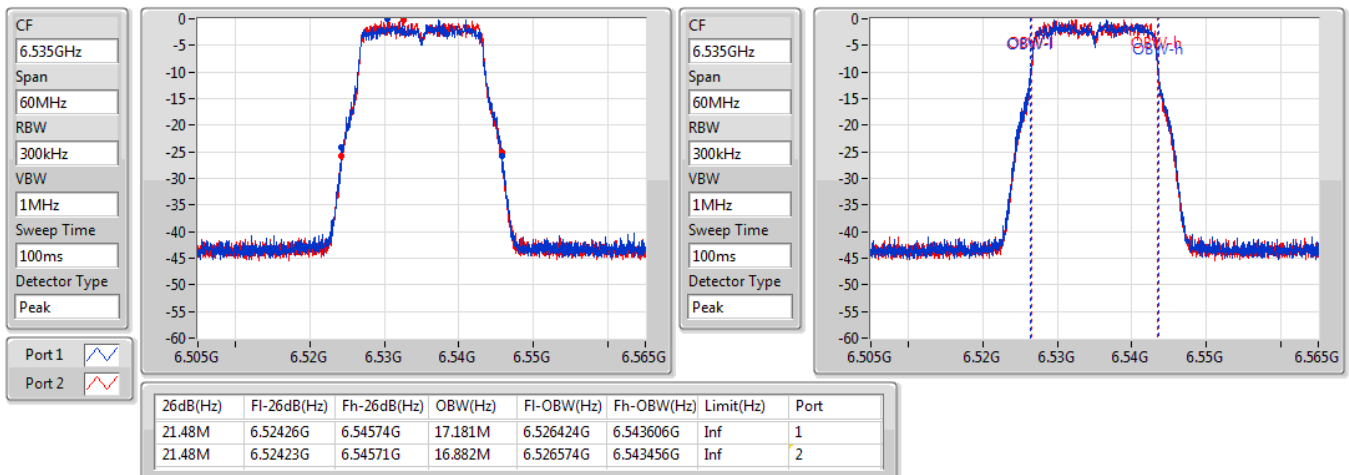


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6535MHz

09/08/2022

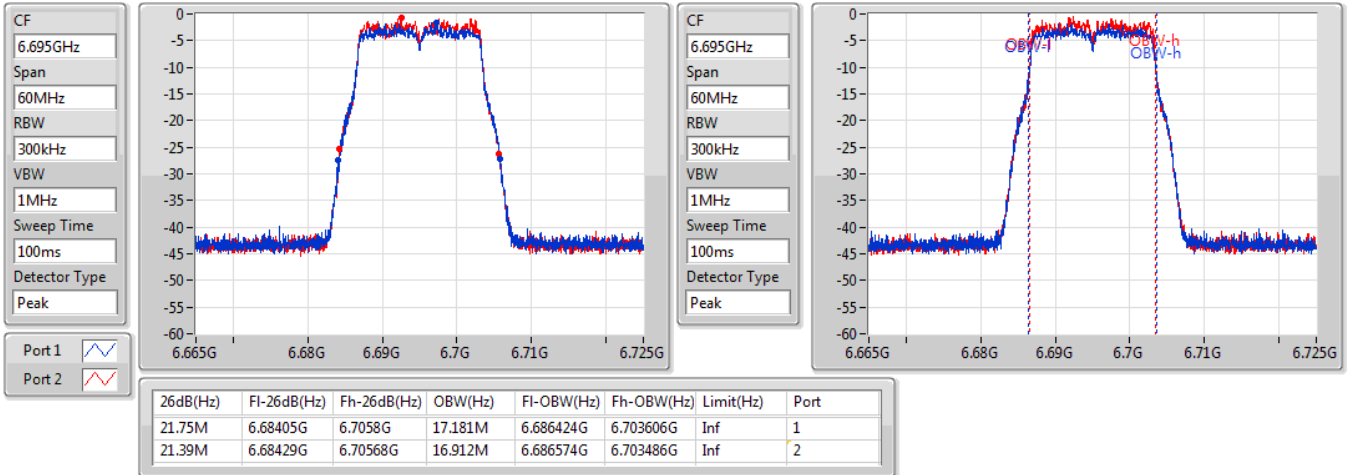


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6695MHz

09/08/2022

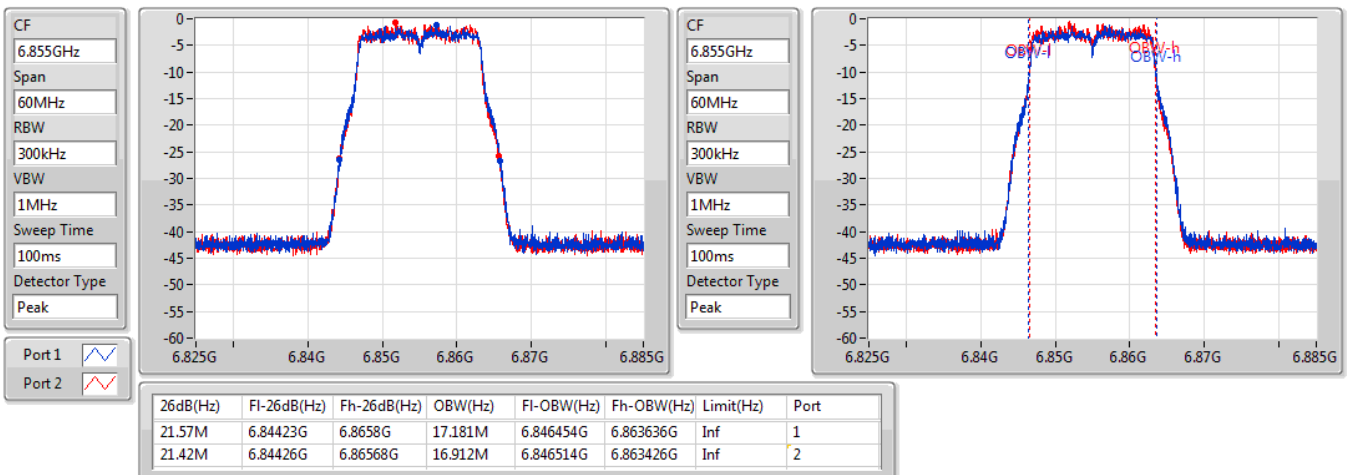


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6855MHz

09/08/2022

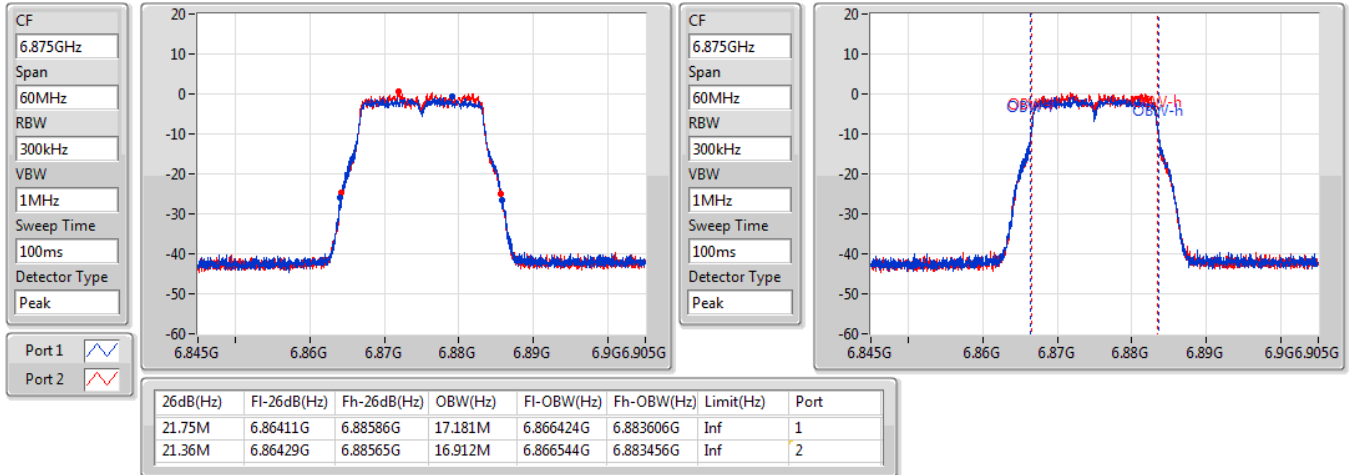


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6875MHz

09/08/2022

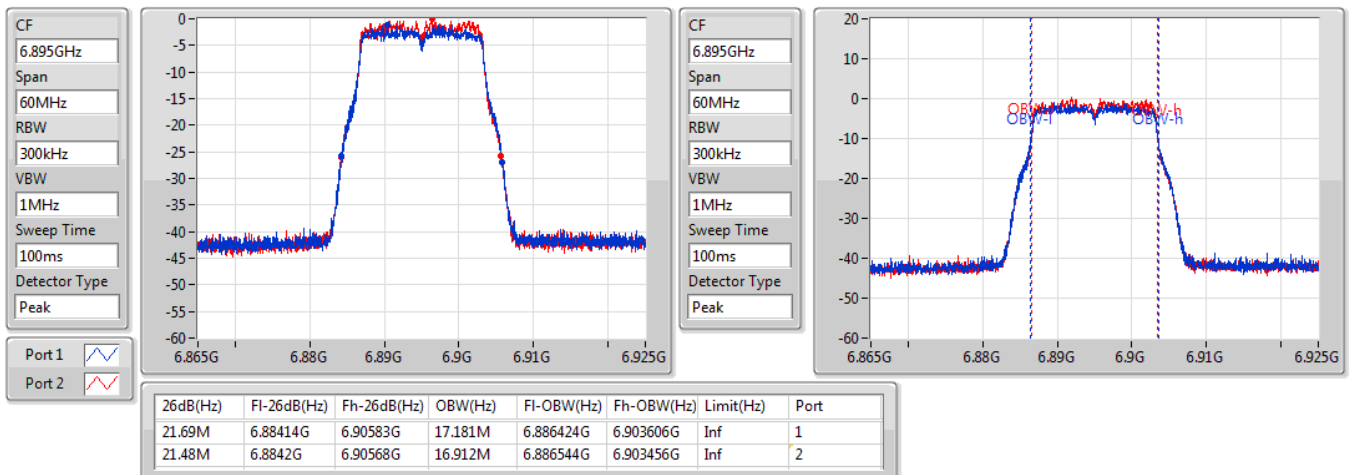


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6895MHz

09/08/2022

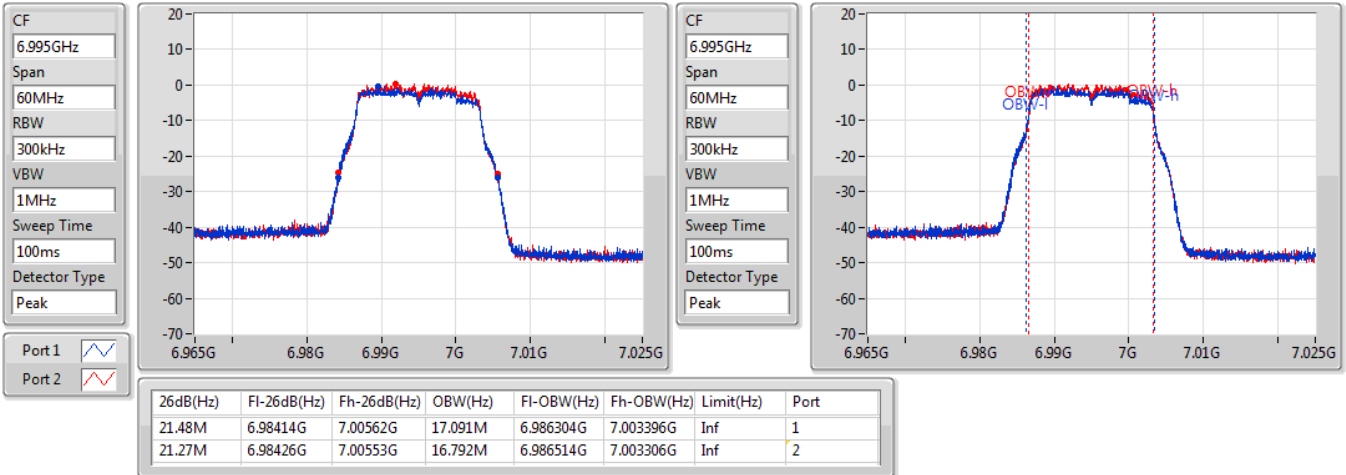


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

6995MHz

09/08/2022

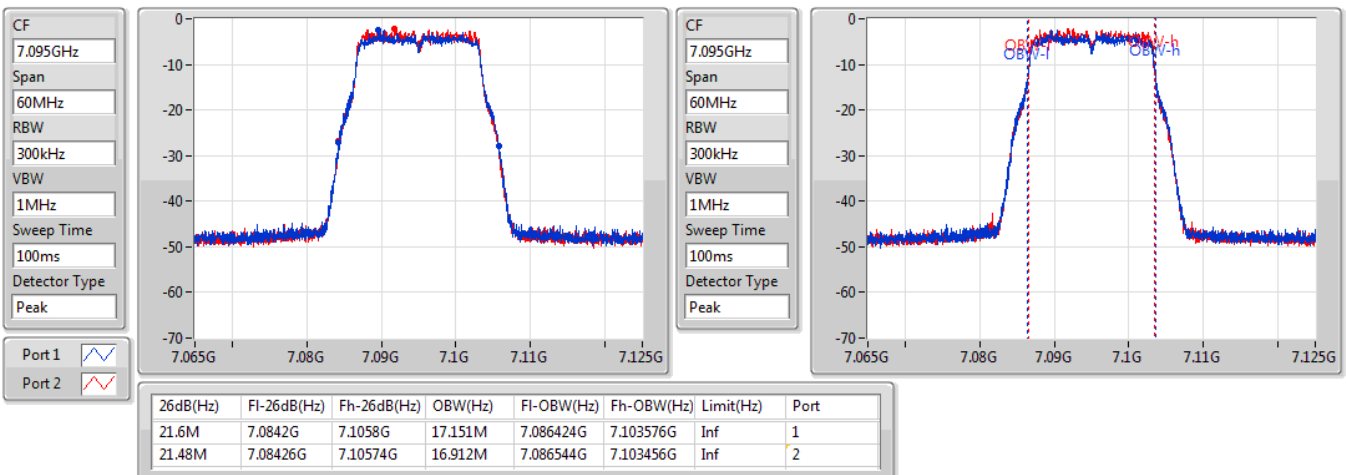


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

7095MHz

09/08/2022

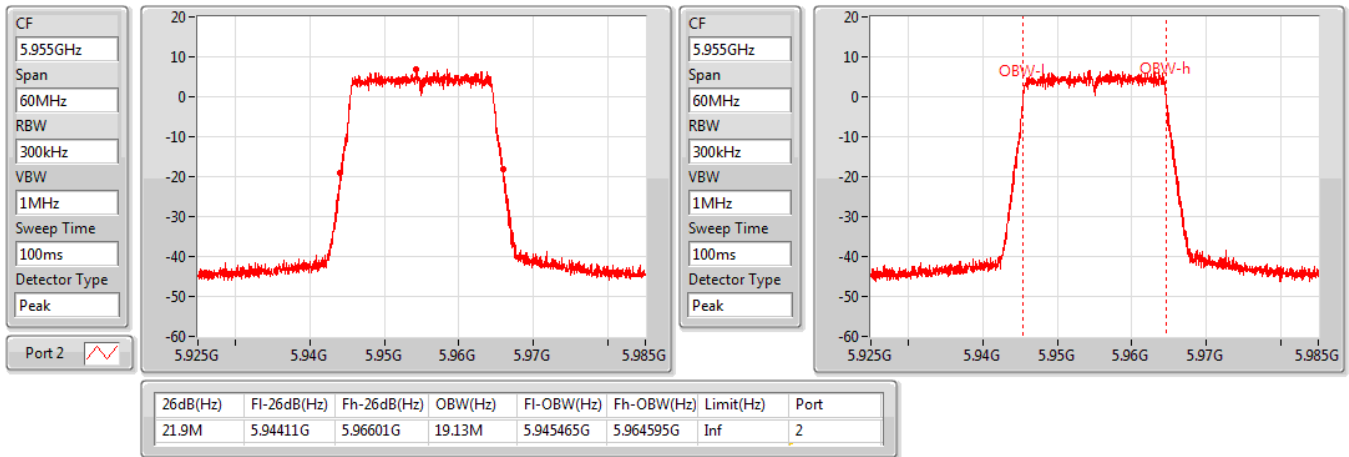


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

5955MHz

09/08/2022

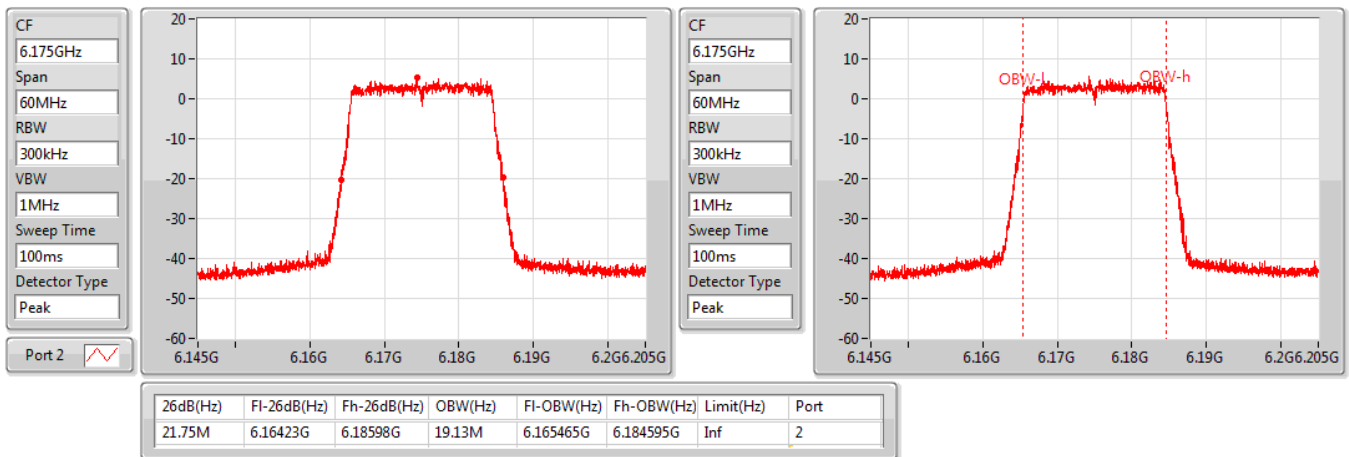


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

6175MHz

09/08/2022

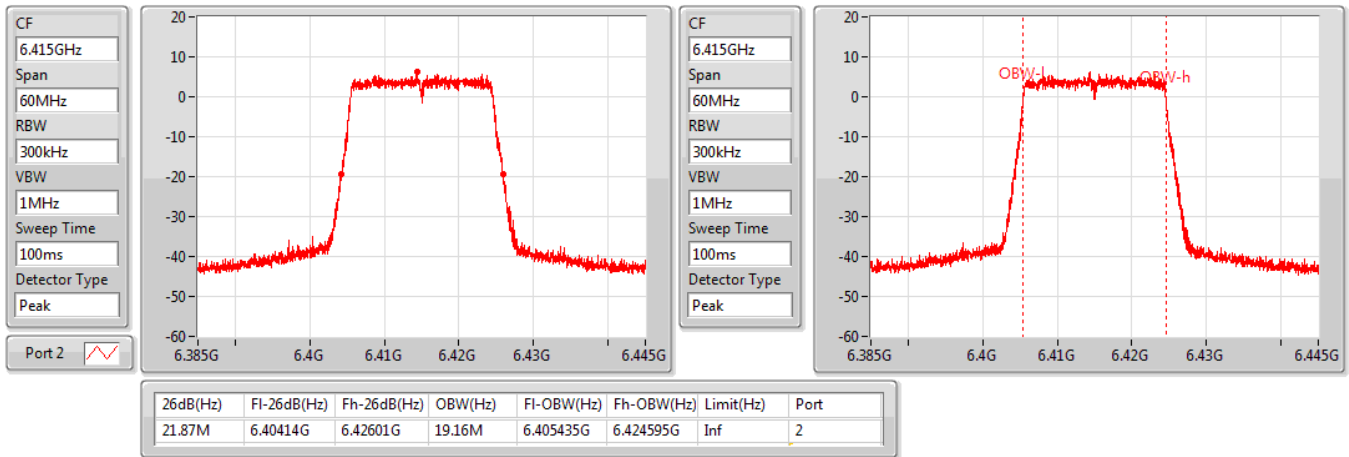


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

6415MHz

09/08/2022

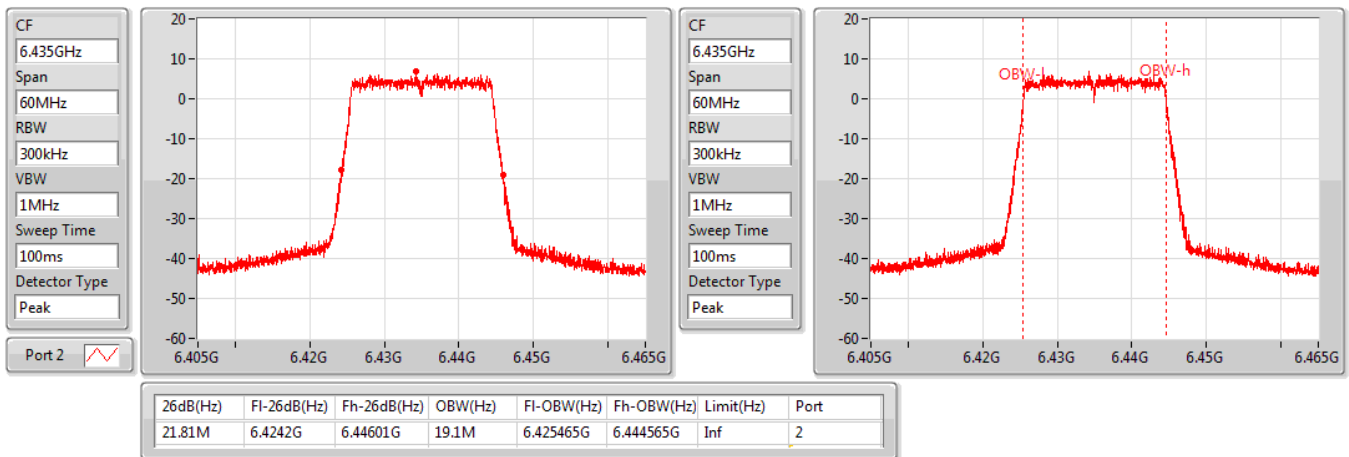


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

6435MHz

09/08/2022

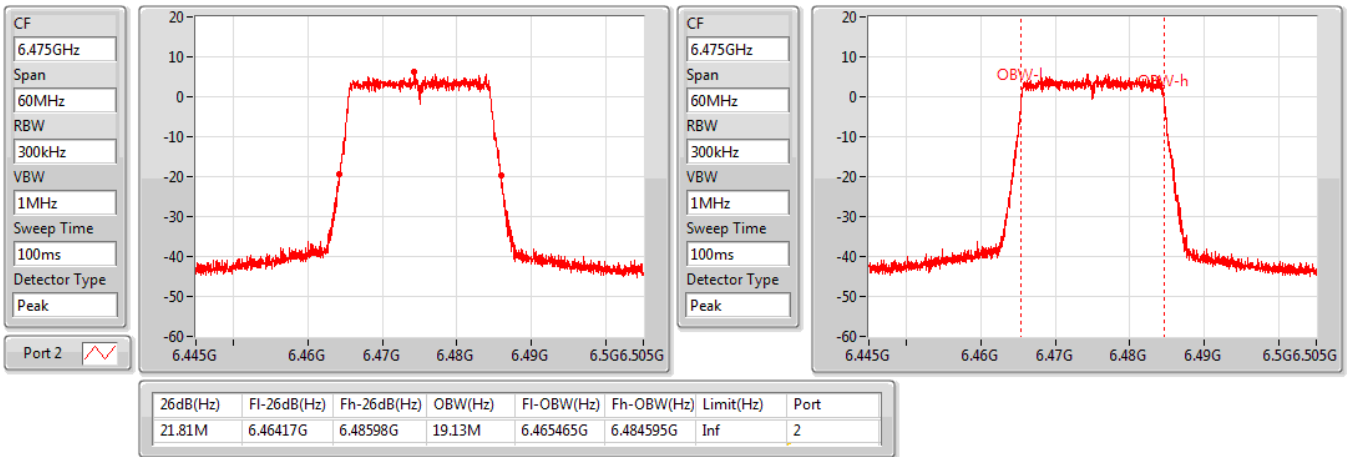


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

6475MHz

09/08/2022

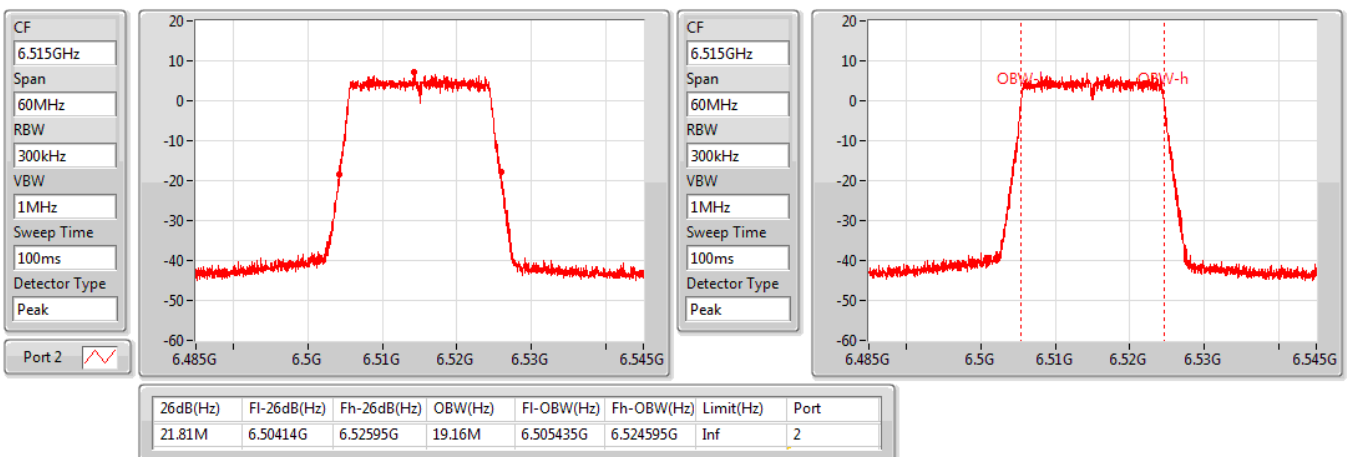


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

6515MHz

09/08/2022

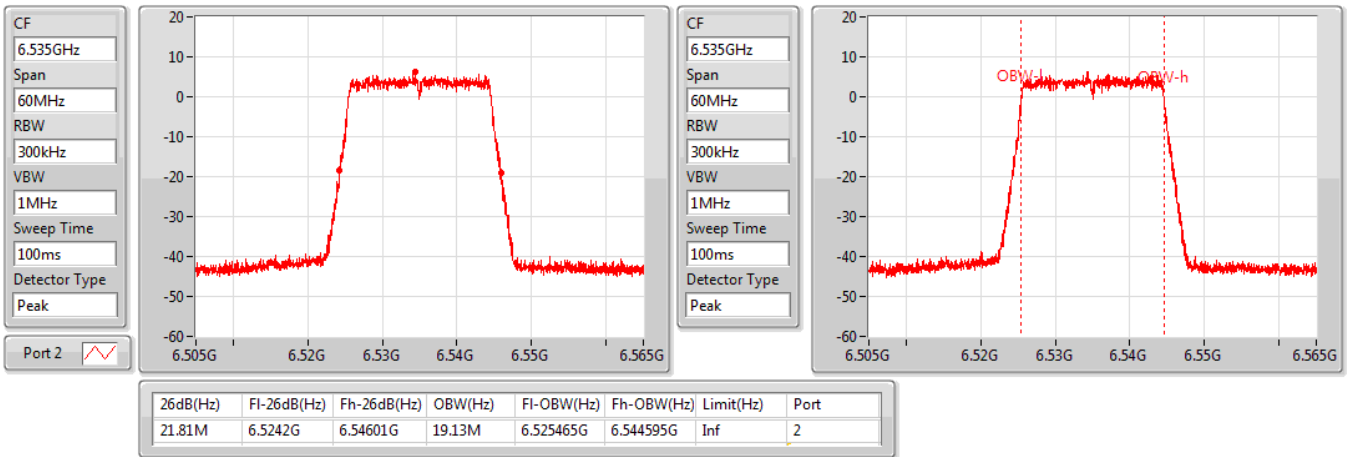


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

6535MHz

09/08/2022

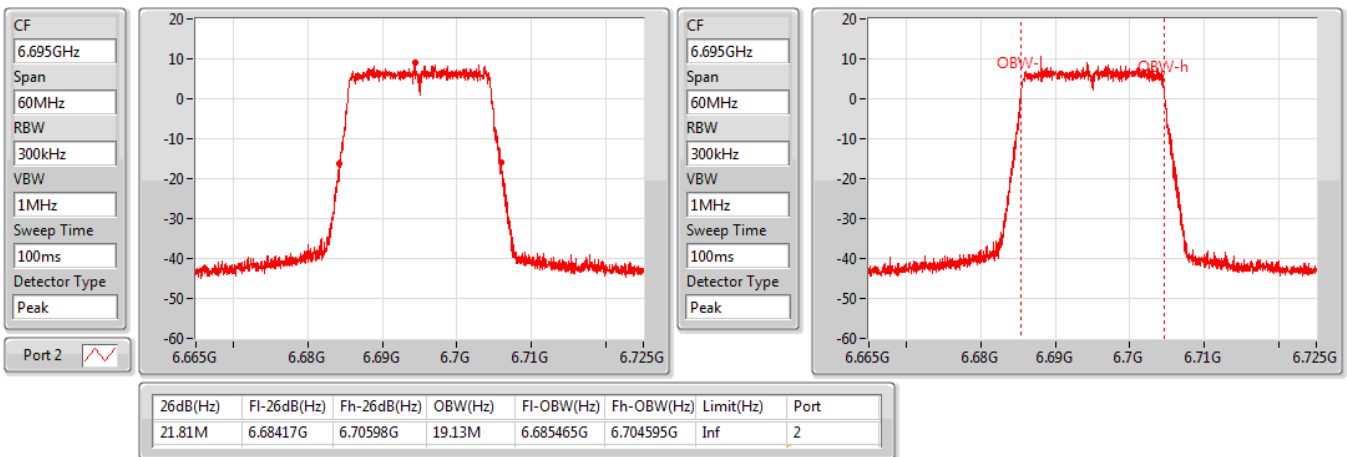


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

6695MHz

09/08/2022

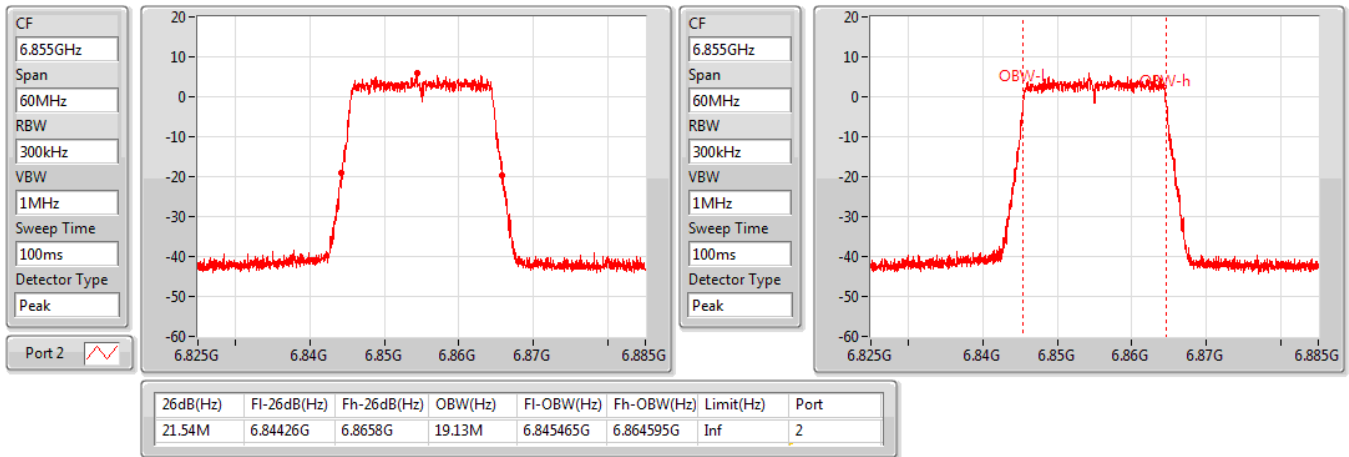


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

6855MHz

09/08/2022

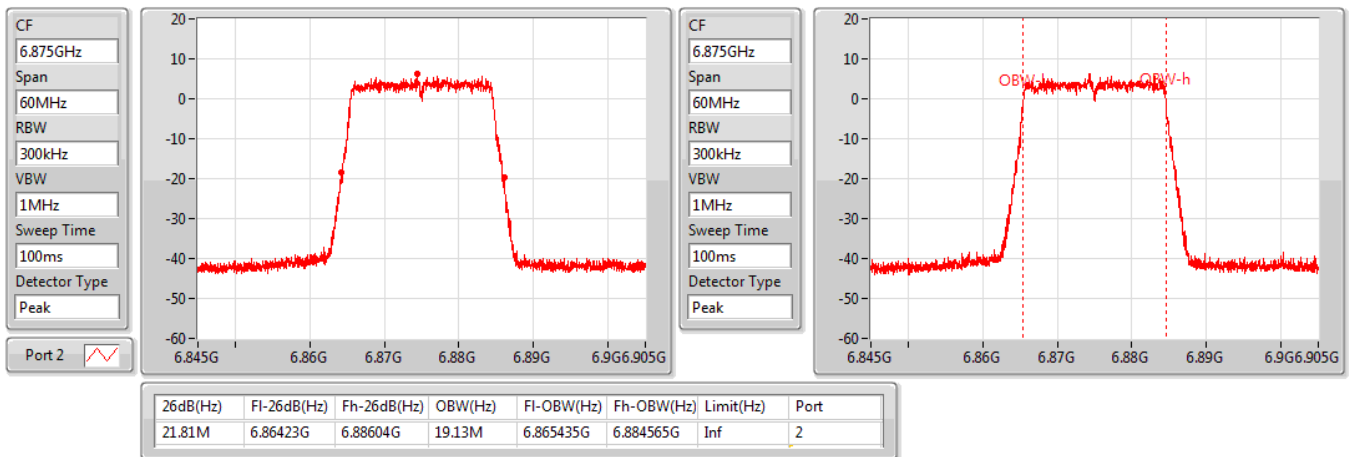


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

6875MHz

09/08/2022

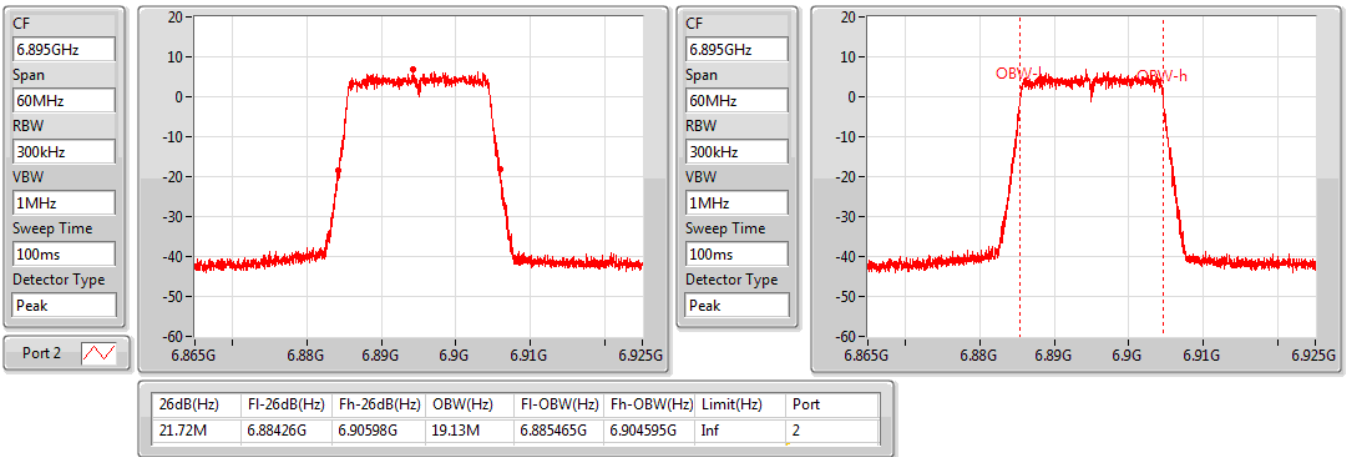


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

6895MHz

09/08/2022

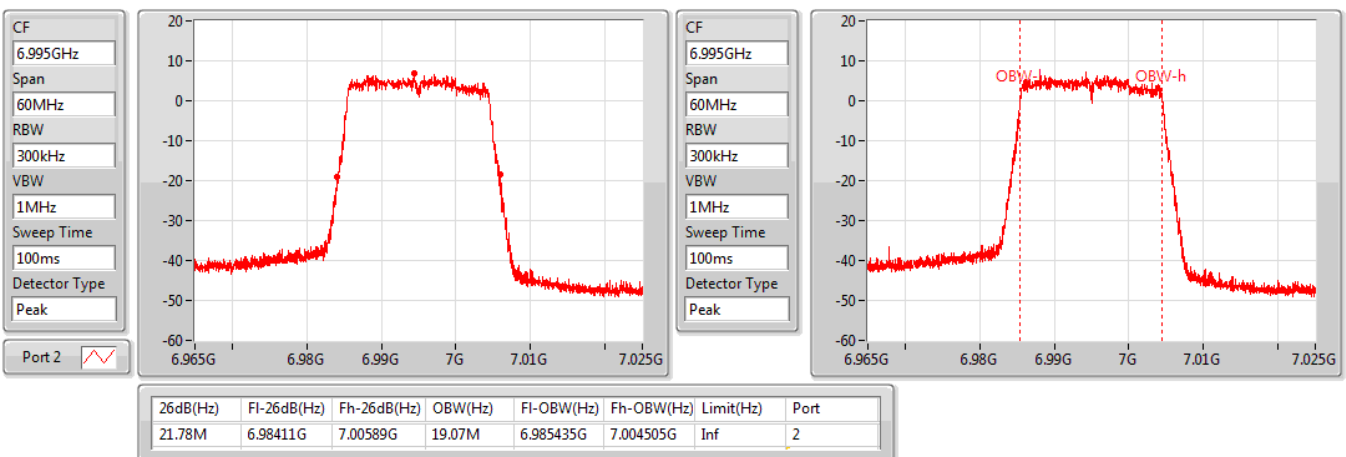


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

6995MHz

09/08/2022

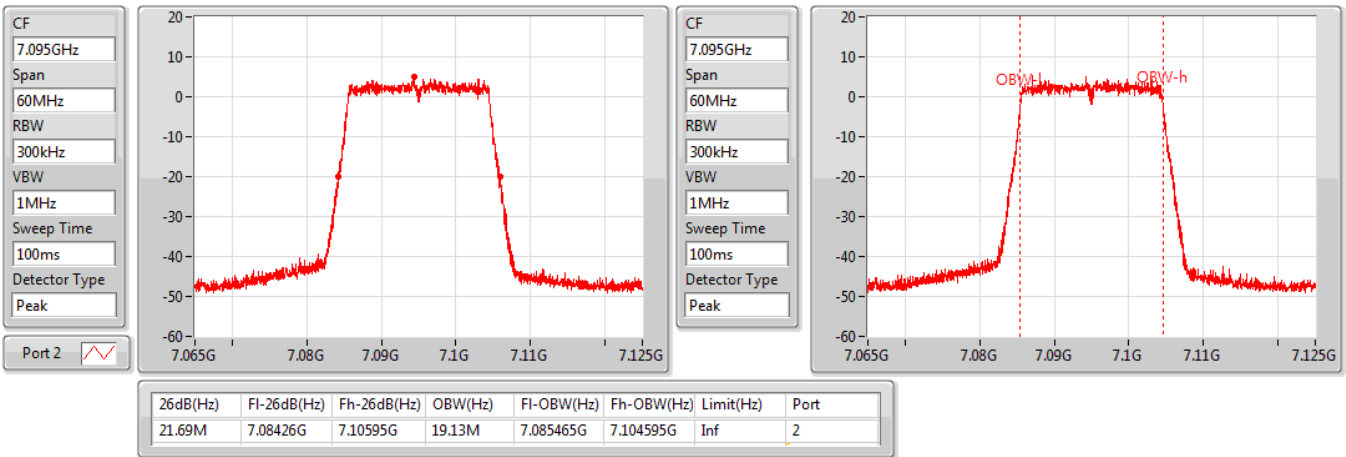


## 802.11ax HEW20\_Nss1,(MCS0)\_1TX(Port2)

EBW

7095MHz

09/08/2022

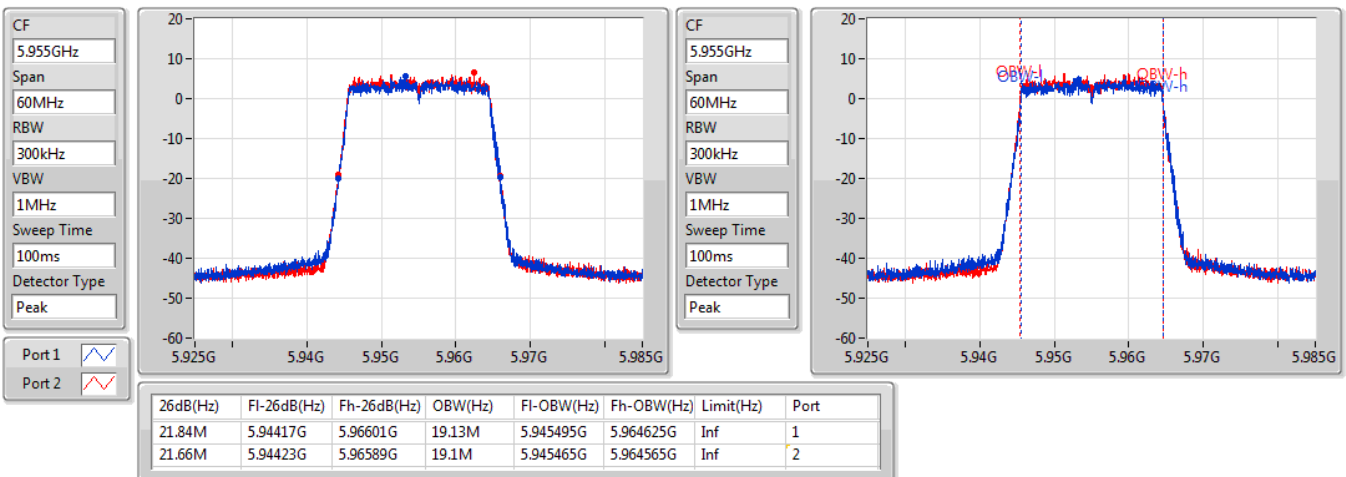


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

5955MHz

09/08/2022



## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6175MHz

09/08/2022

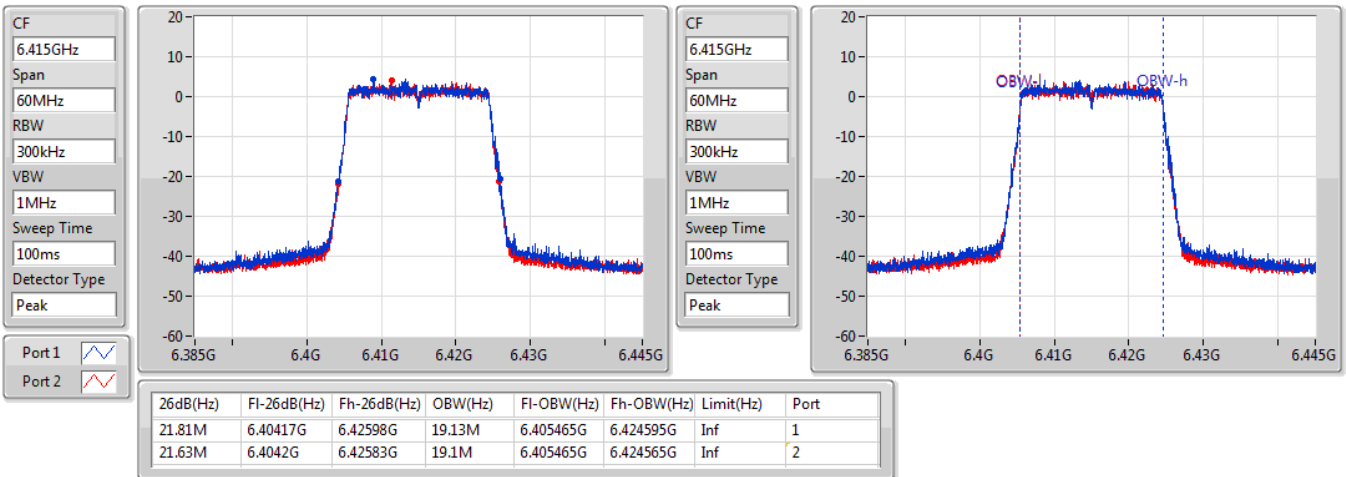


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6415MHz

09/08/2022

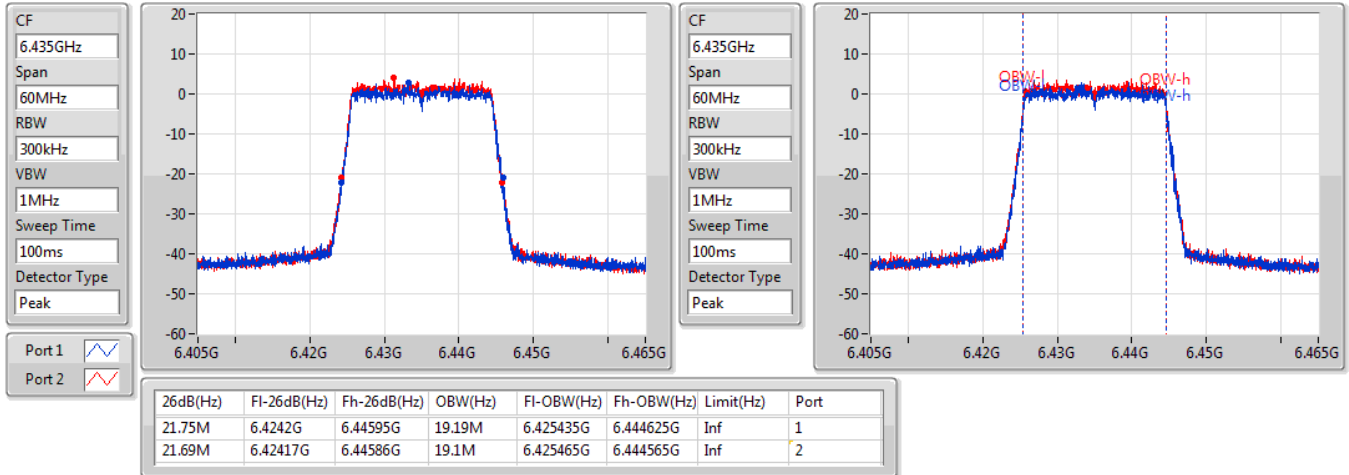


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6435MHz

09/08/2022

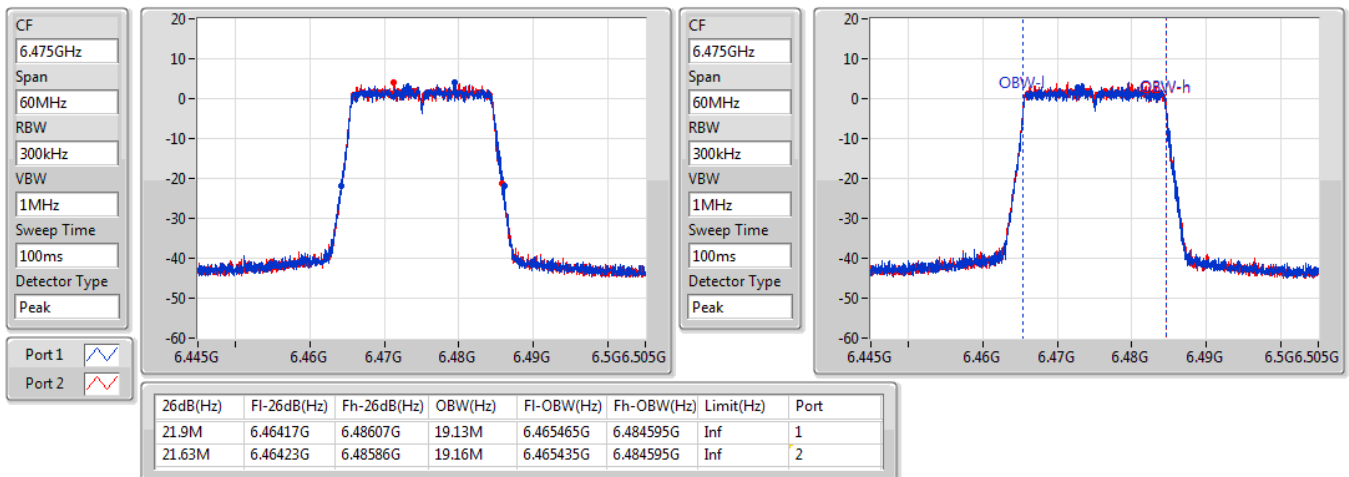


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6475MHz

09/08/2022

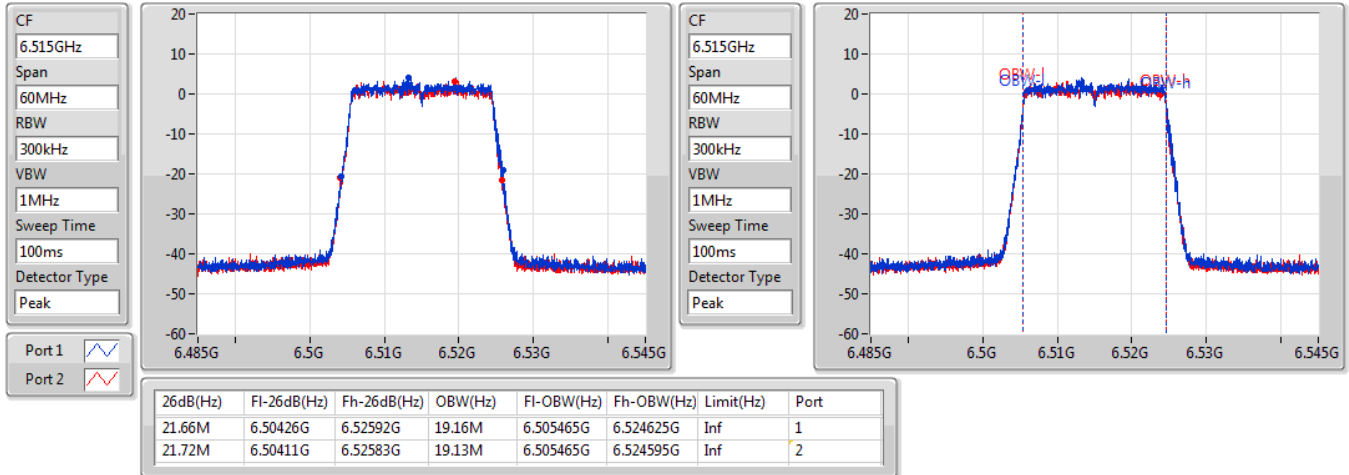


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6515MHz

09/08/2022

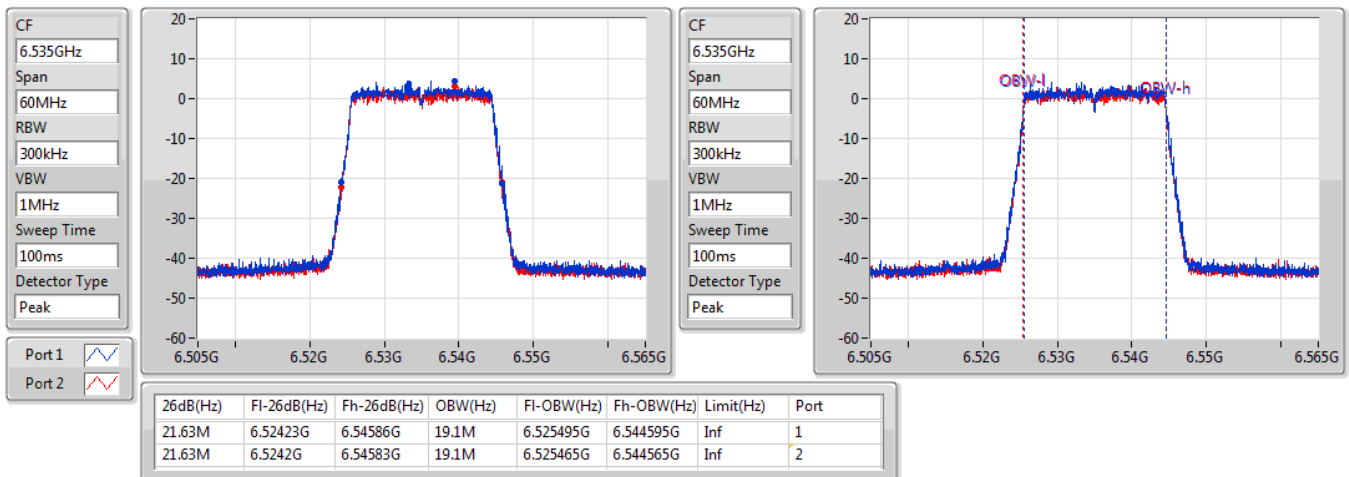


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6535MHz

09/08/2022

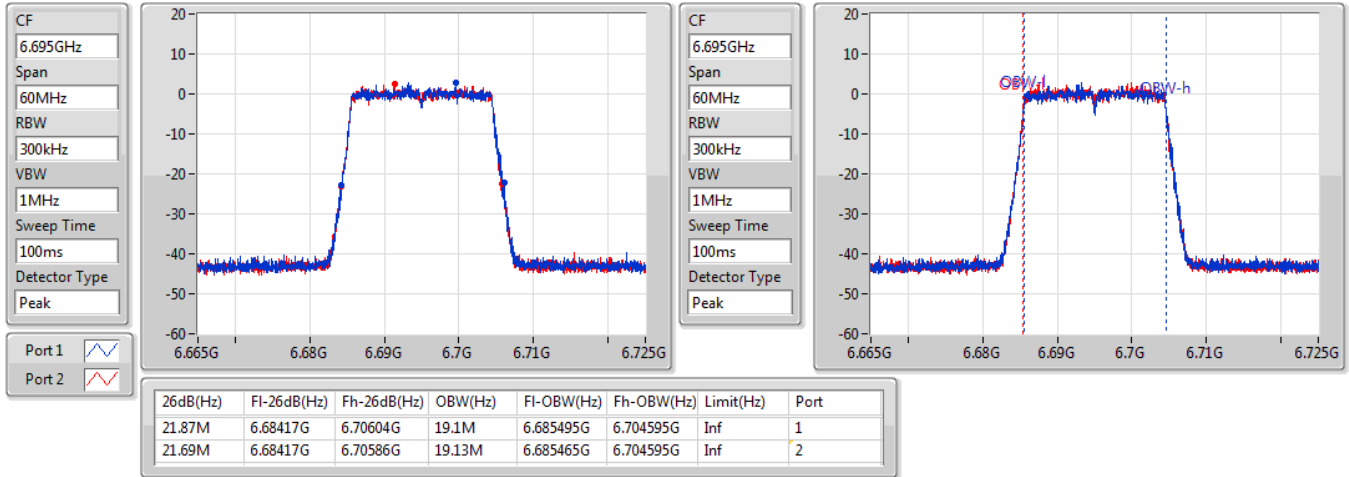


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6695MHz

09/08/2022

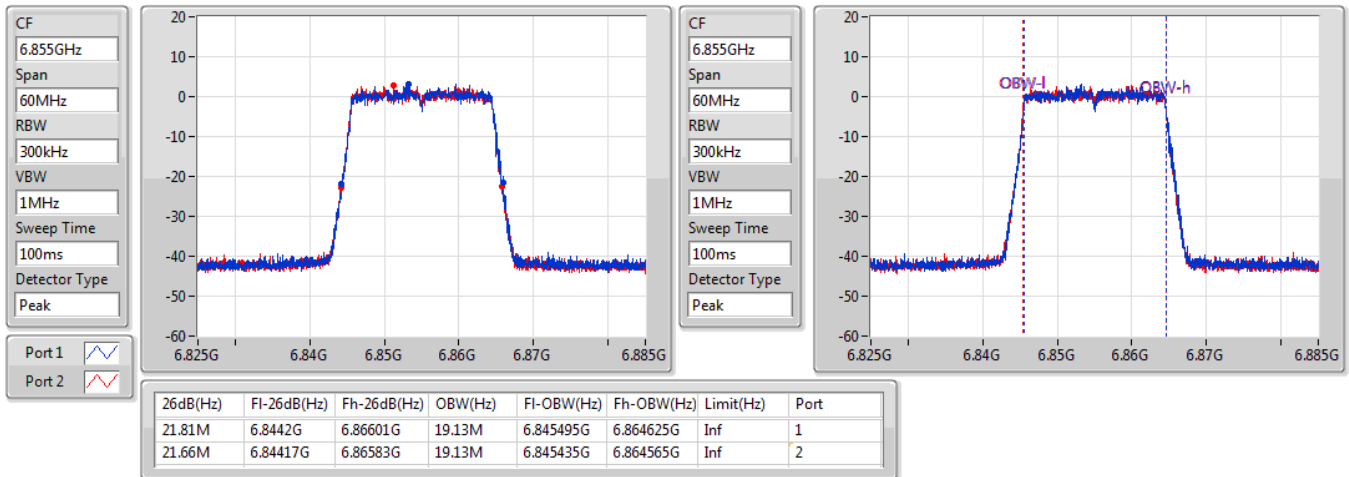


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6855MHz

09/08/2022

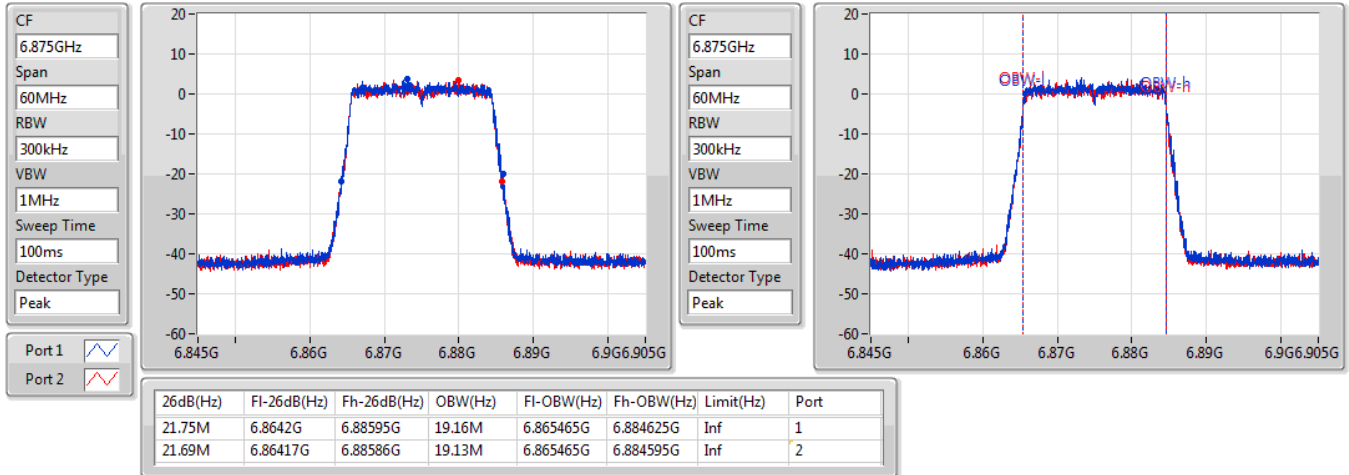


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6875MHz

09/08/2022

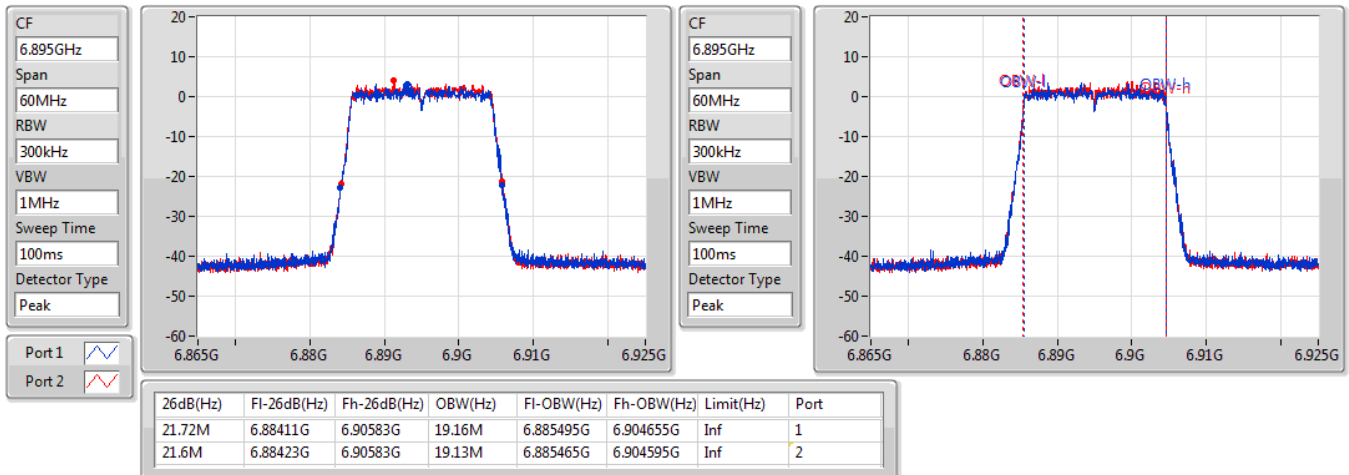


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6895MHz

09/08/2022

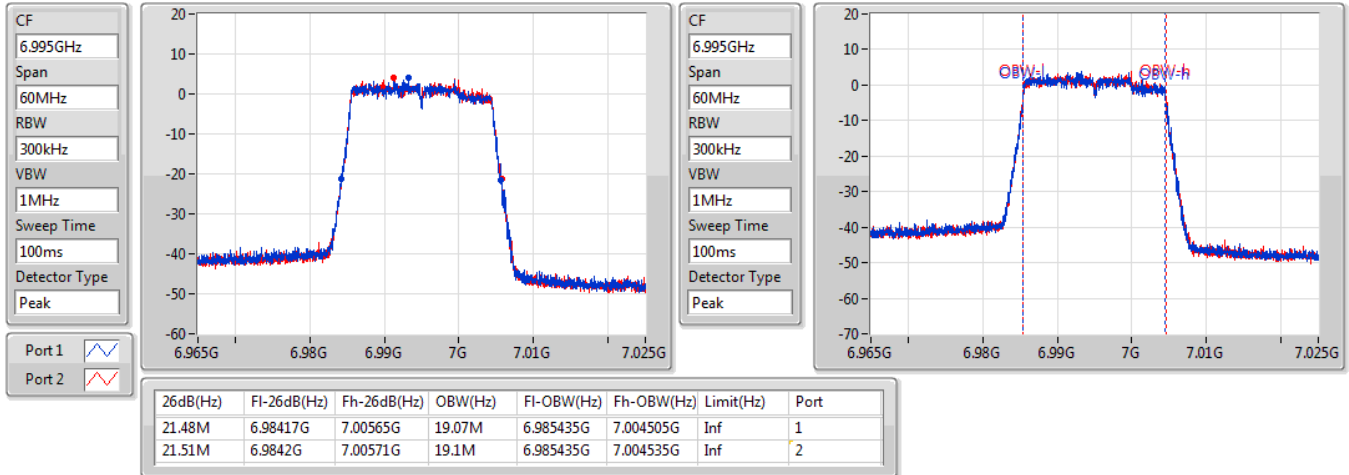


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

6995MHz

09/08/2022

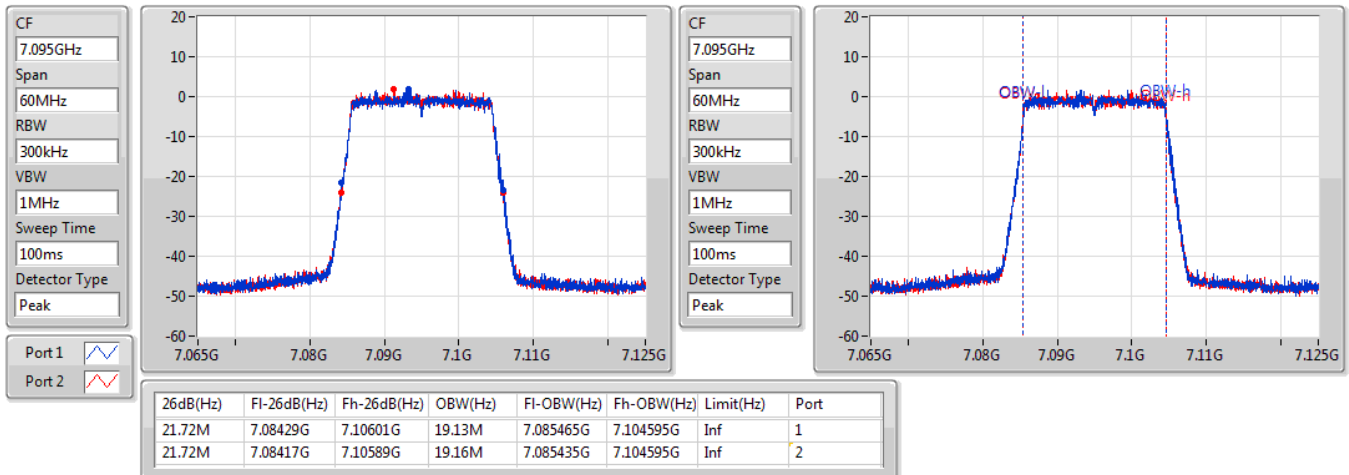


## 802.11ax HEW20\_Nss2,(MCS0)\_2TX

EBW

7095MHz

09/08/2022

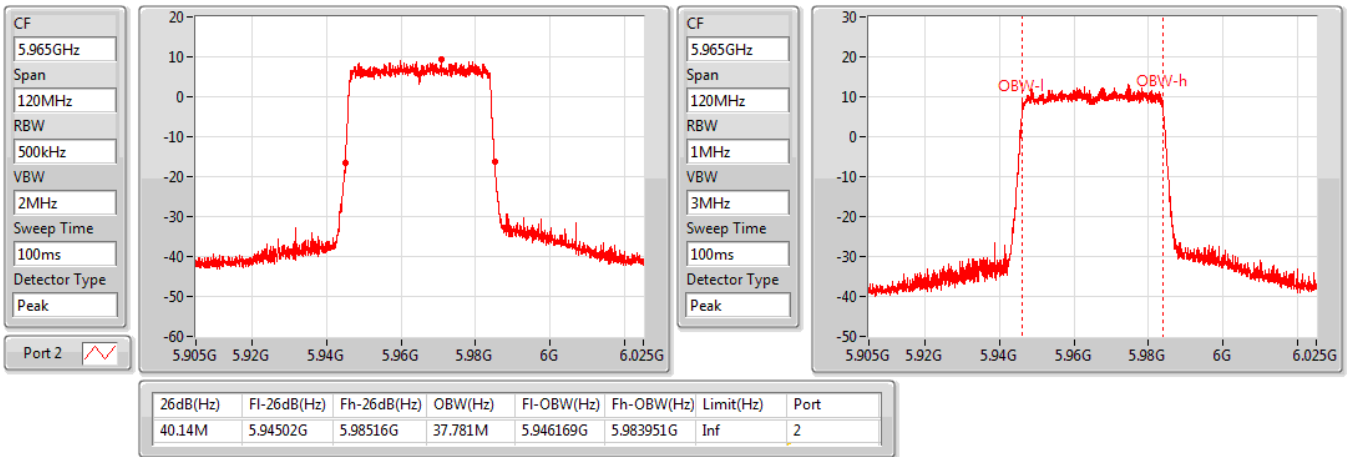


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

5965MHz

09/08/2022

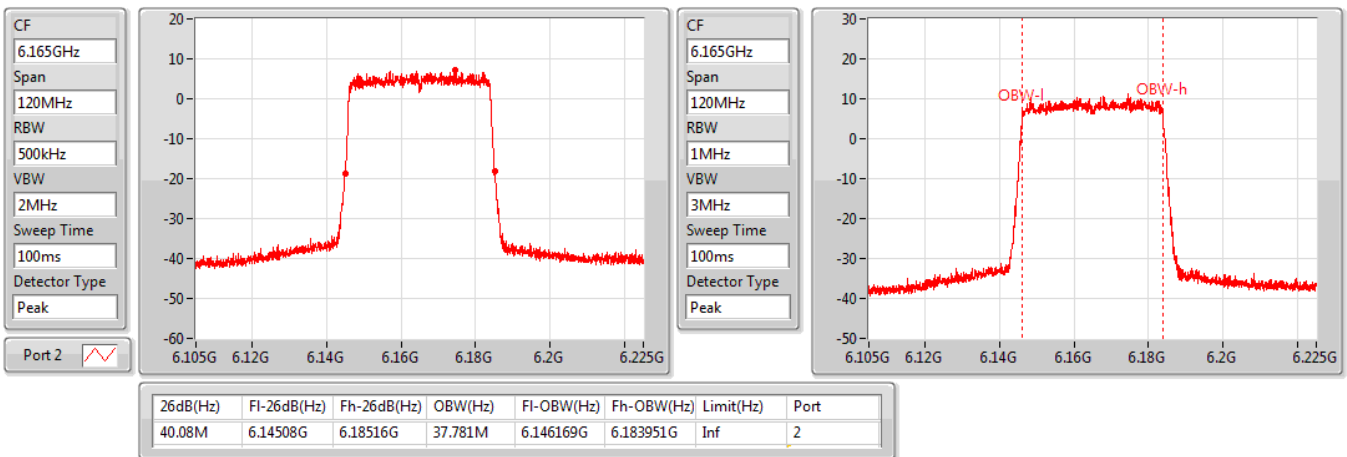


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6165MHz

09/08/2022

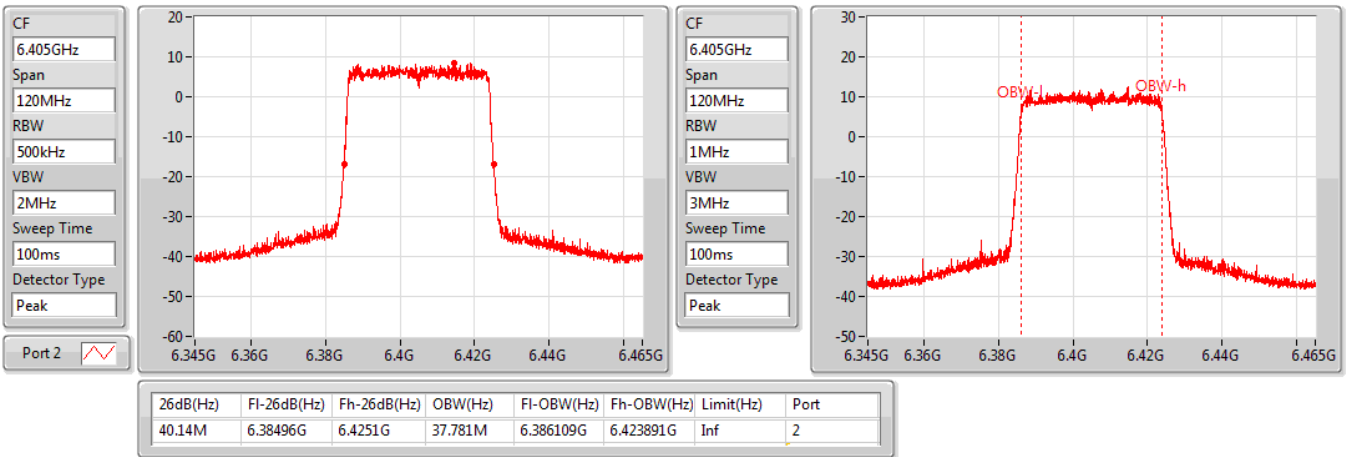


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6405MHz

09/08/2022

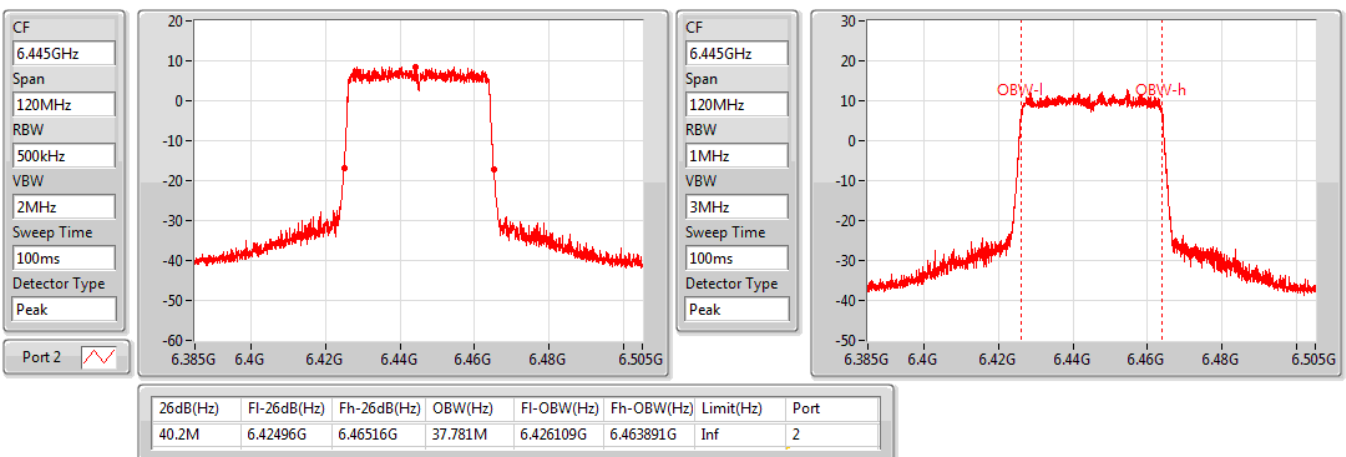


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6445MHz

09/08/2022

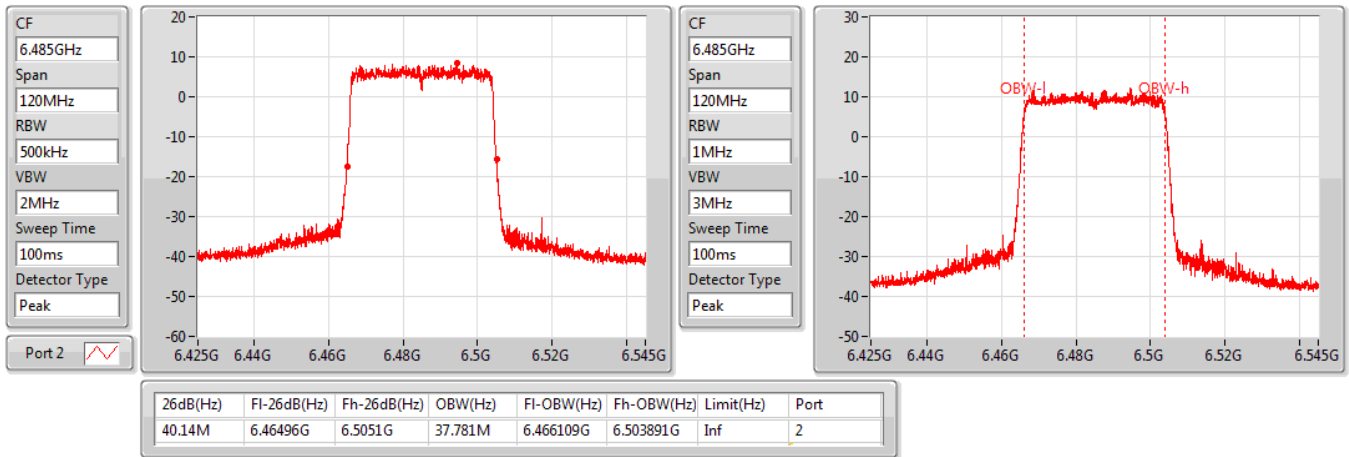


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6485MHz

09/08/2022

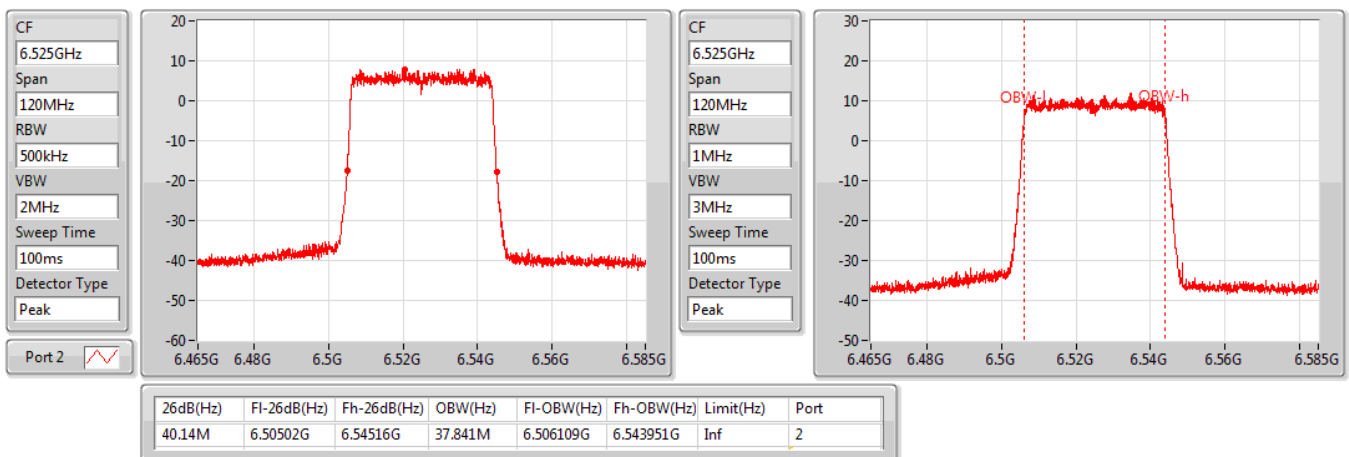


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6525MHz

09/08/2022

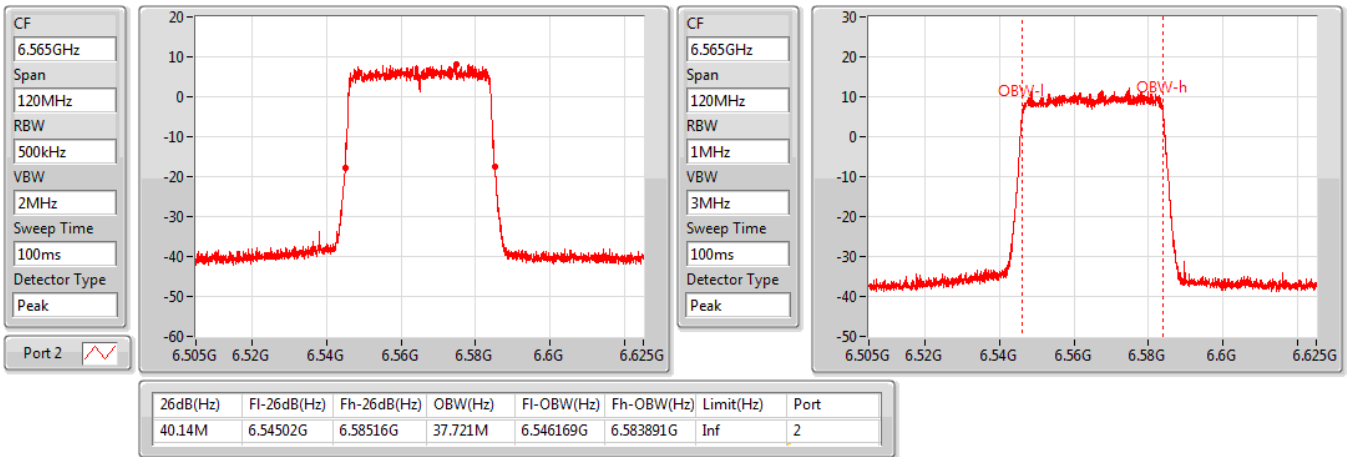


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6565MHz

09/08/2022

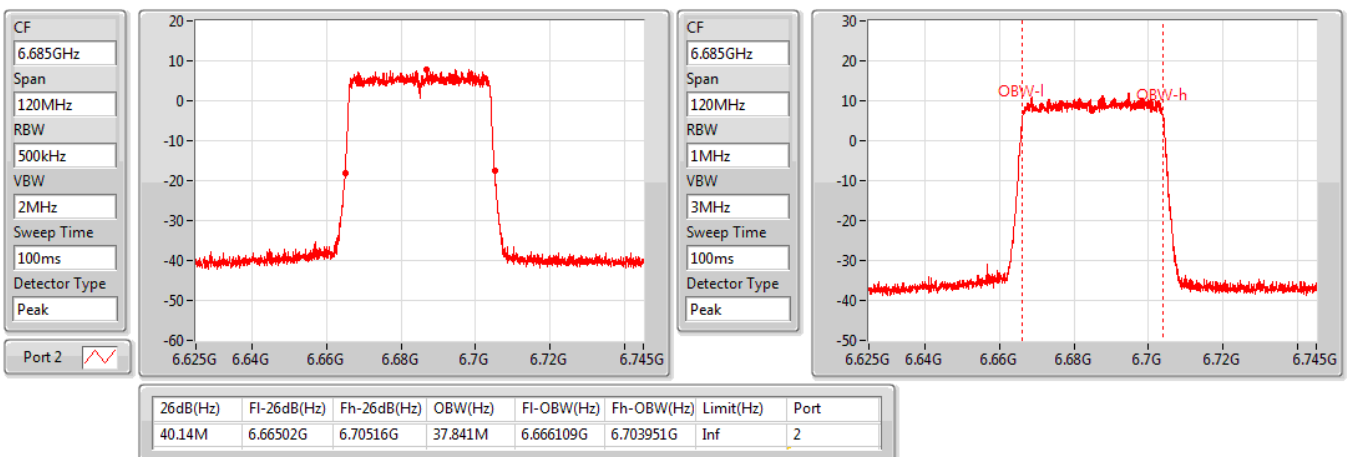


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6685MHz

09/08/2022

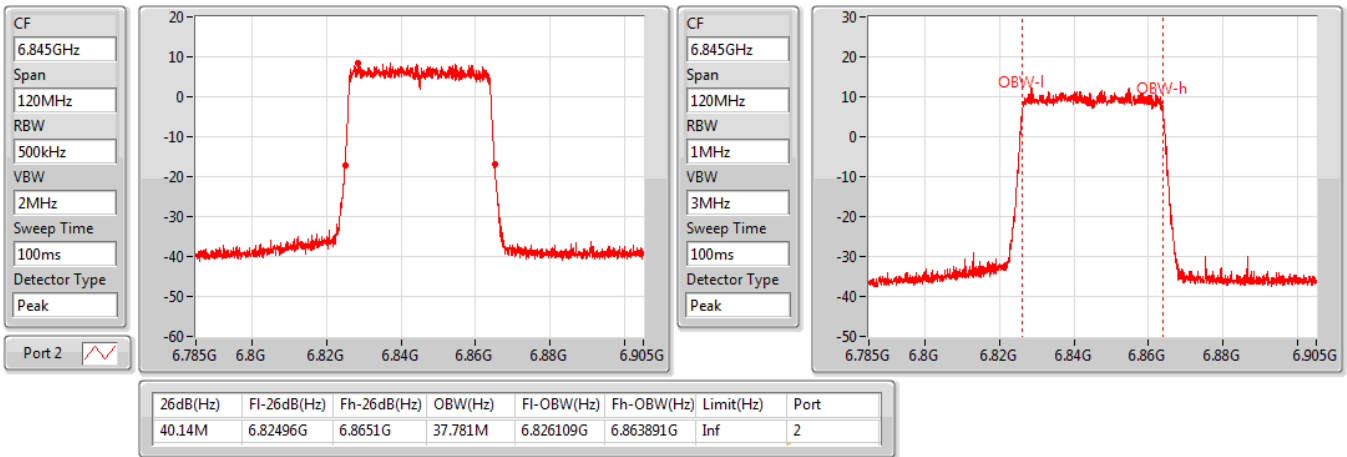


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

6845MHz

09/08/2022

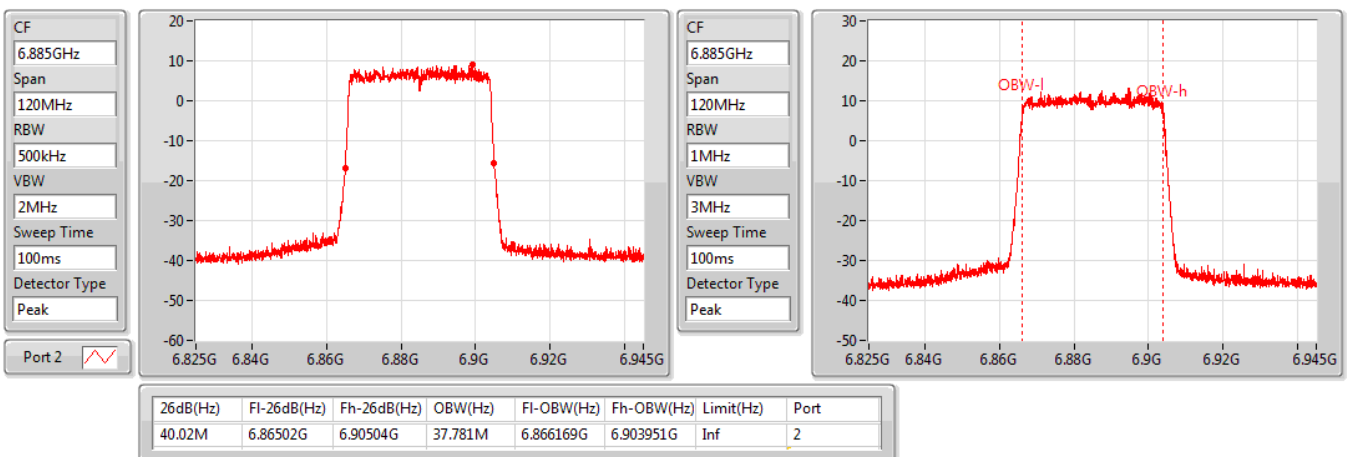


## 802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)

EBW

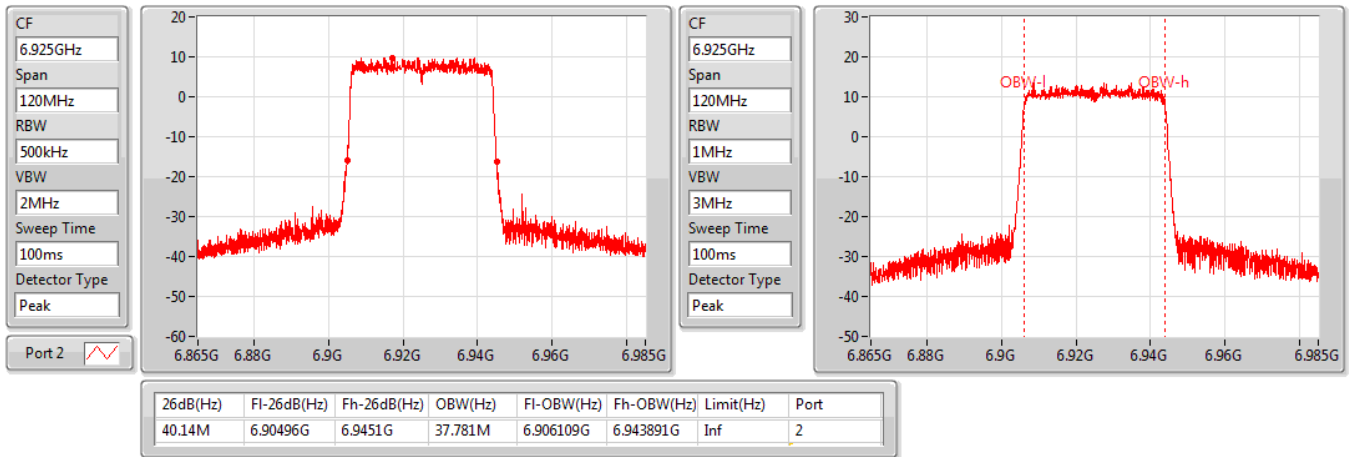
6885MHz

09/08/2022

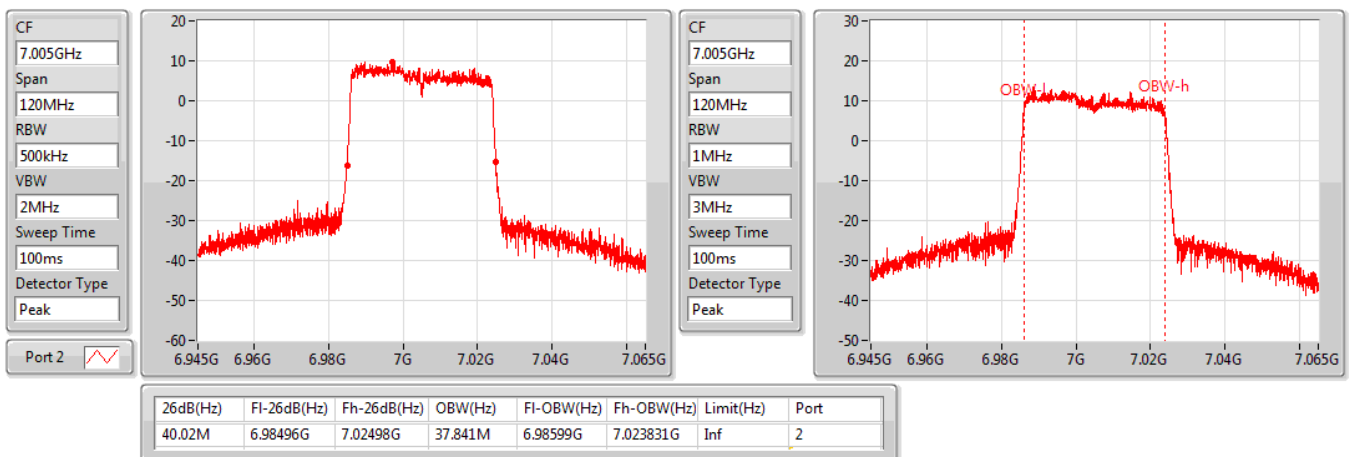


**802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6925MHz**

09/08/2022

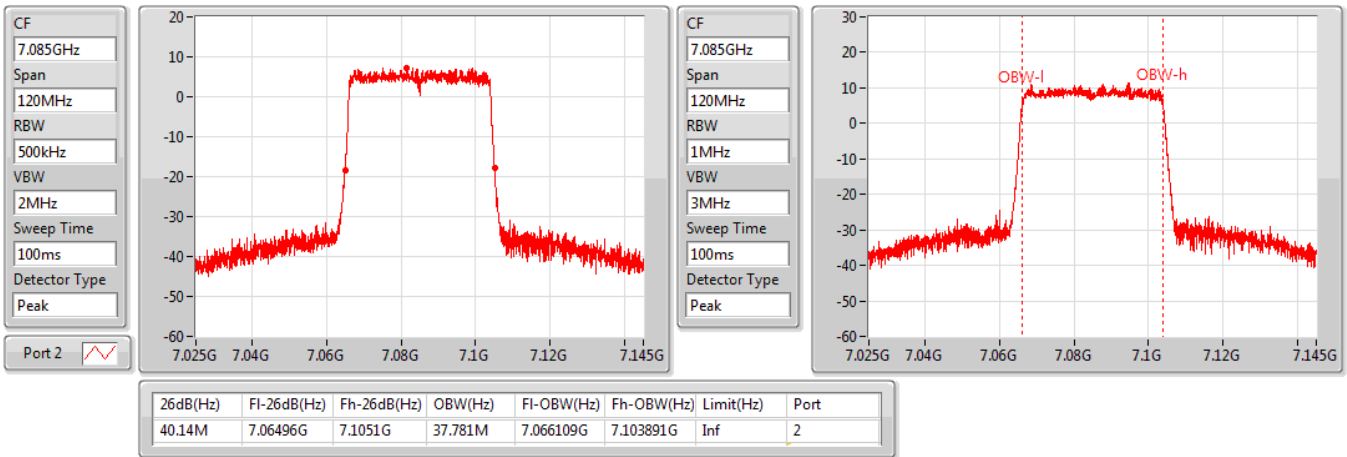

**802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**7005MHz**

09/08/2022

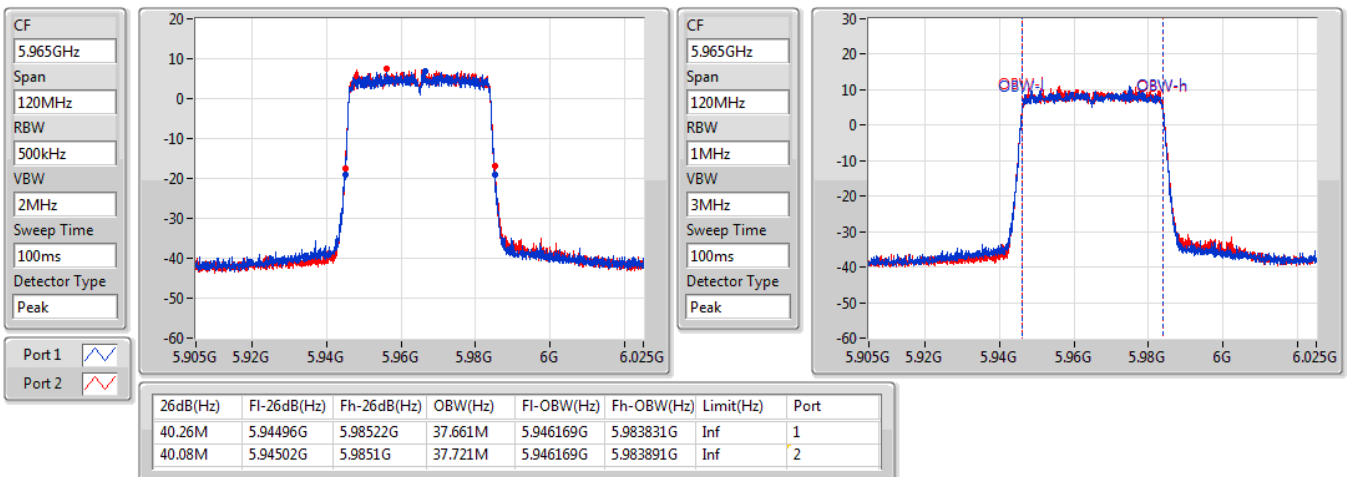


**802.11ax HEW40\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**7085MHz**

09/08/2022


**802.11ax HEW40\_Nss2,(MCS0)\_2TX**
**EBW**
**5965MHz**

09/08/2022

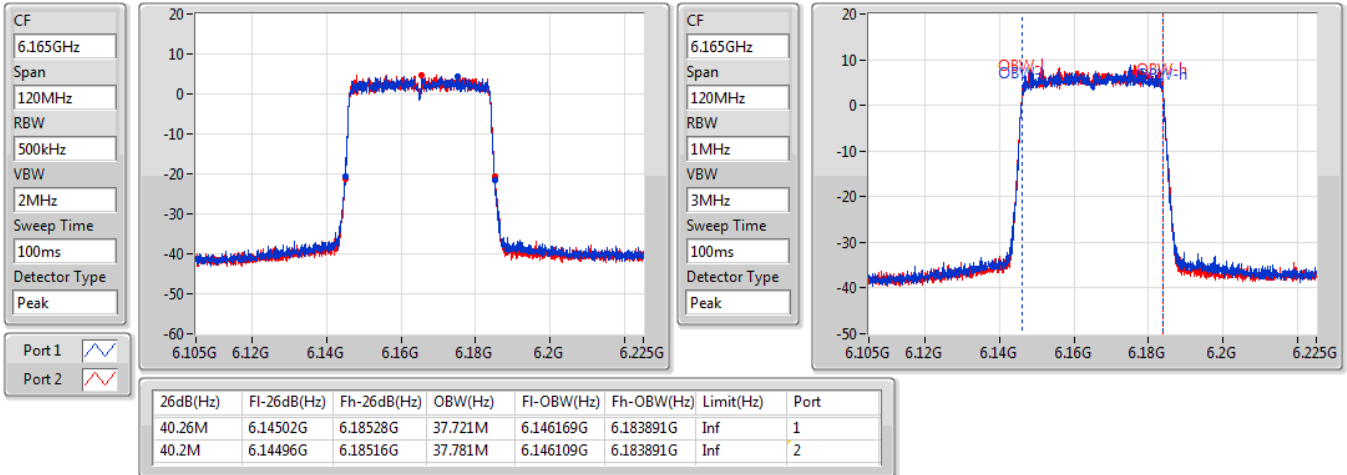


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6165MHz

09/08/2022

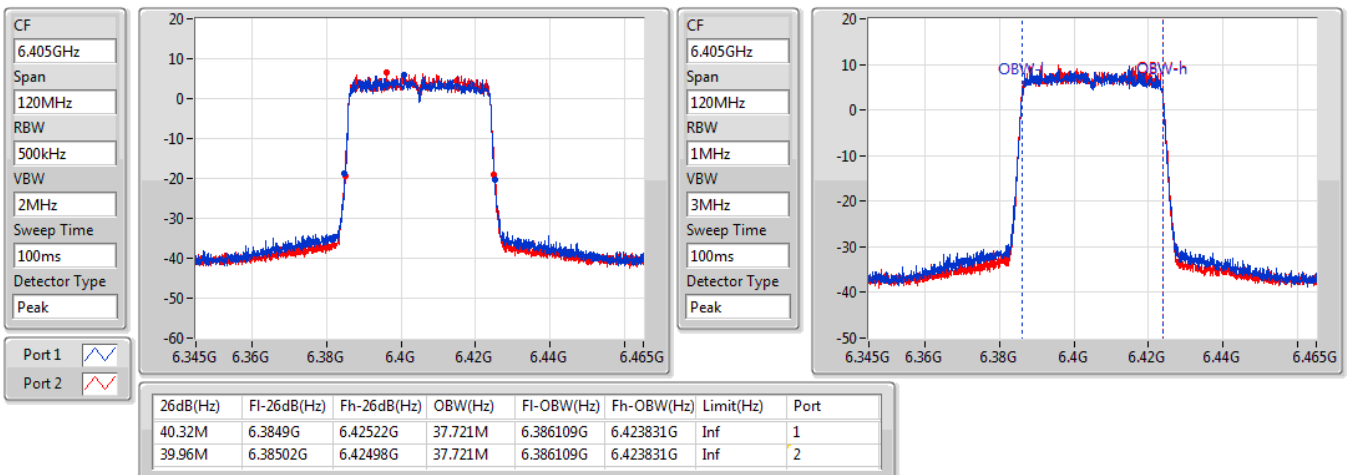


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6405MHz

09/08/2022

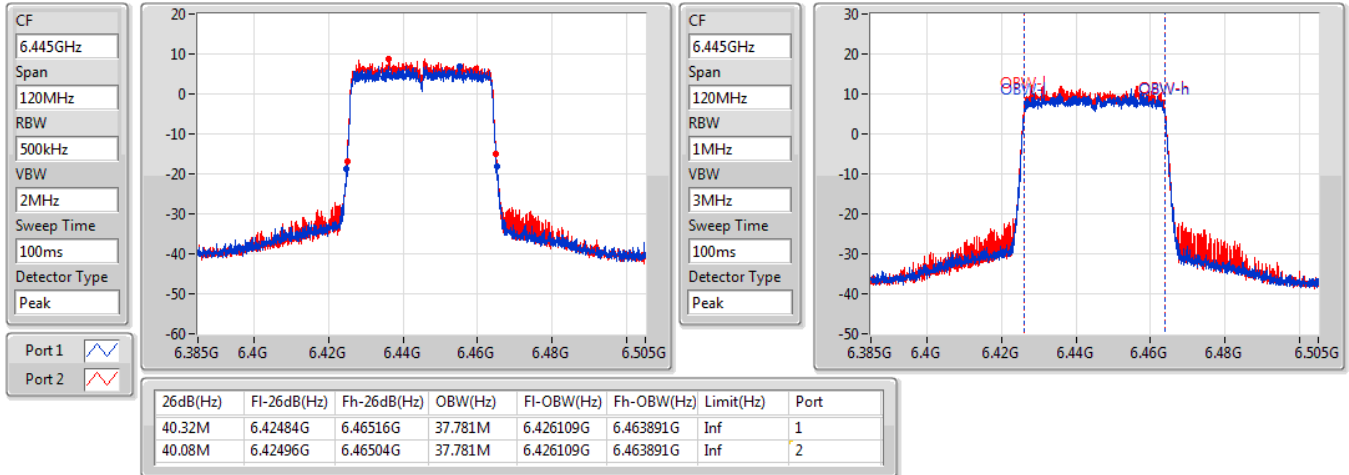


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6445MHz

09/08/2022

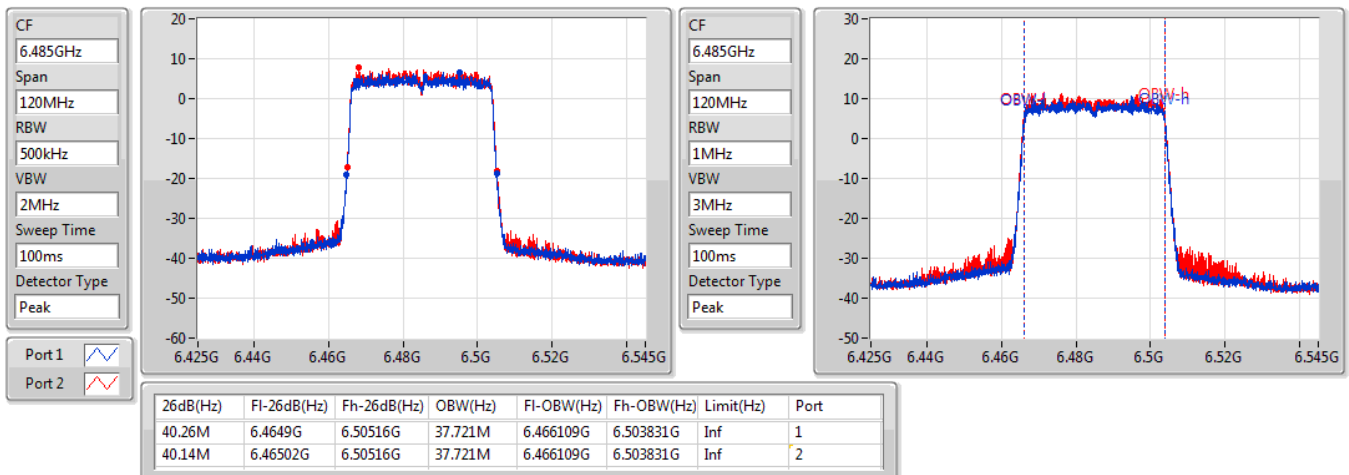


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

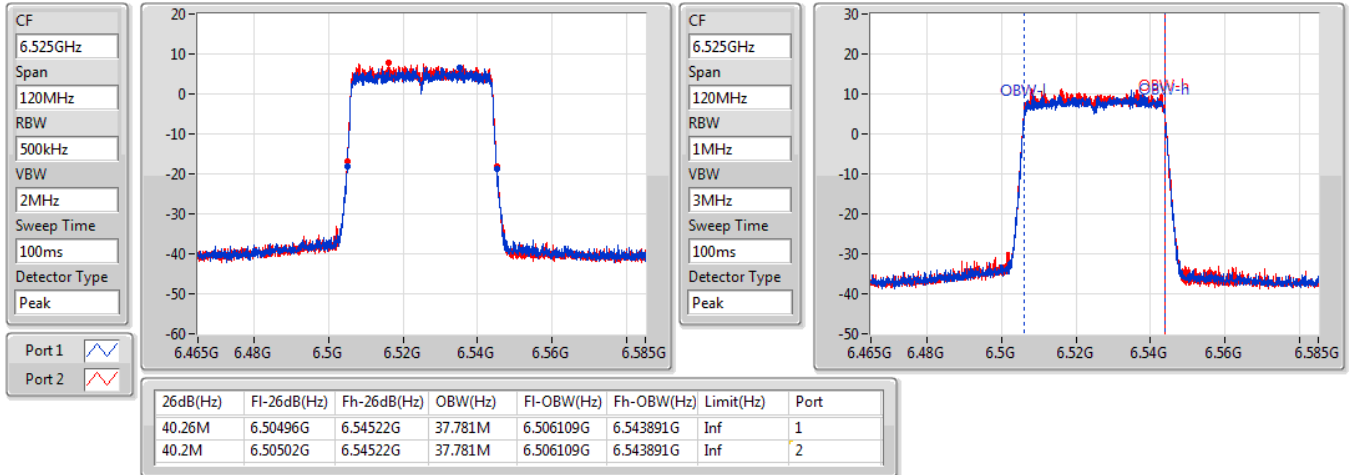
6485MHz

09/08/2022

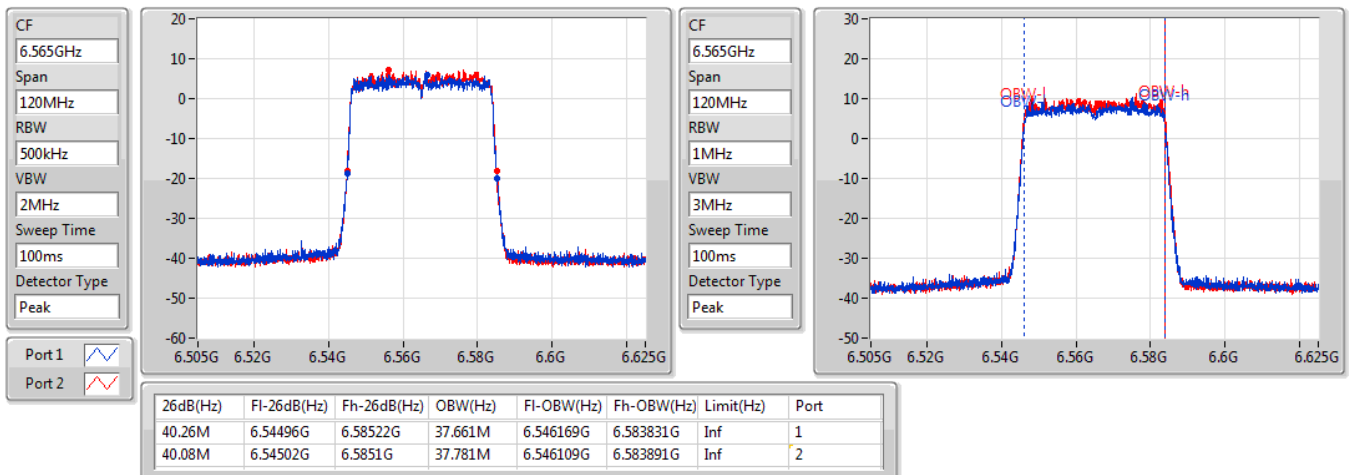


**802.11ax HEW40\_Nss2,(MCS0)\_2TX**
**EBW**
**6525MHz**

09/08/2022


**802.11ax HEW40\_Nss2,(MCS0)\_2TX**
**EBW**
**6565MHz**

09/08/2022

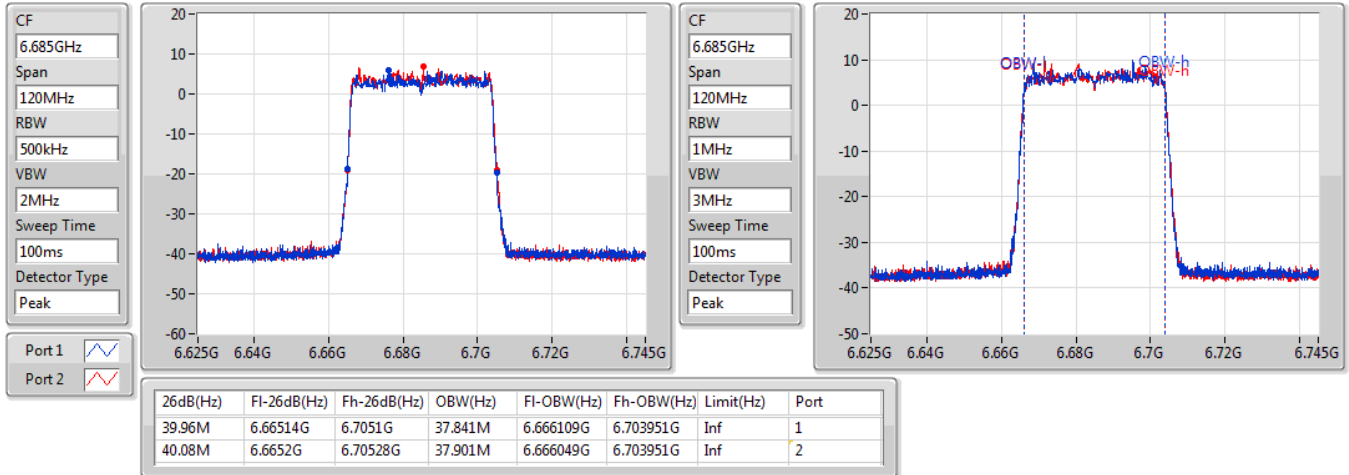


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6685MHz

09/08/2022

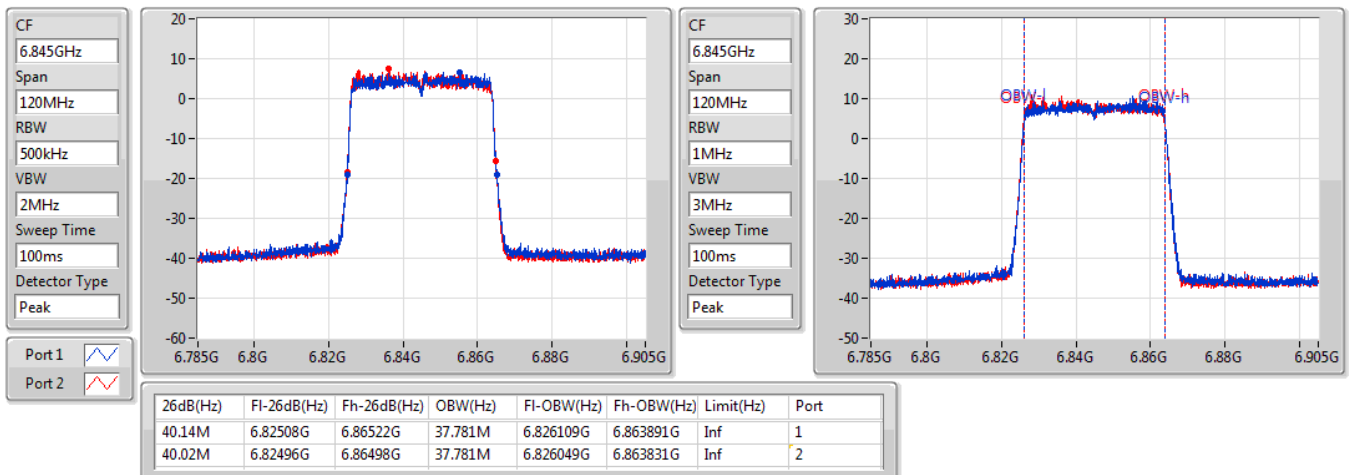


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6845MHz

09/08/2022

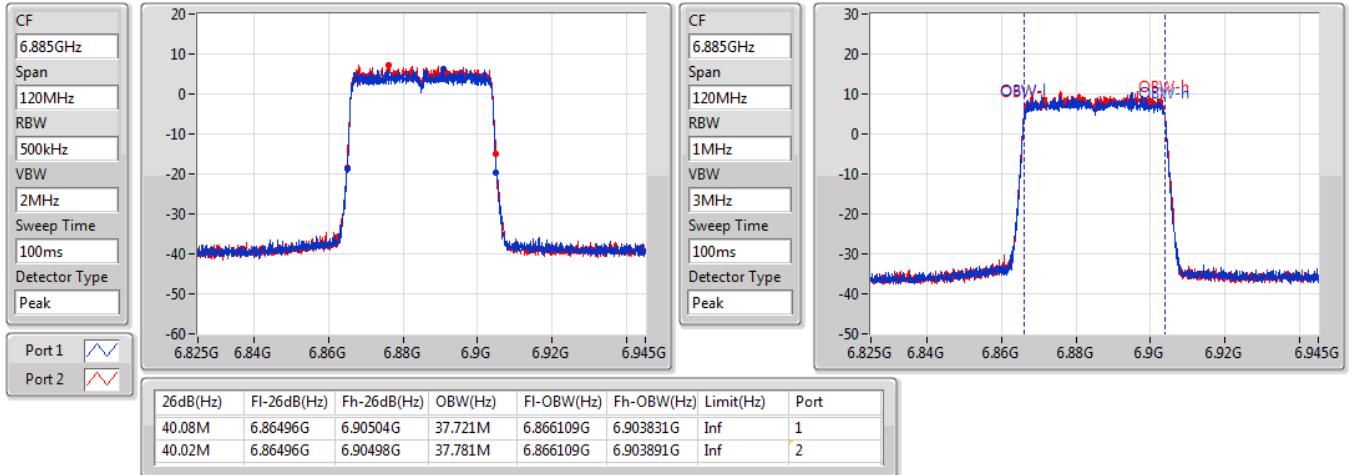


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

6885MHz

09/08/2022

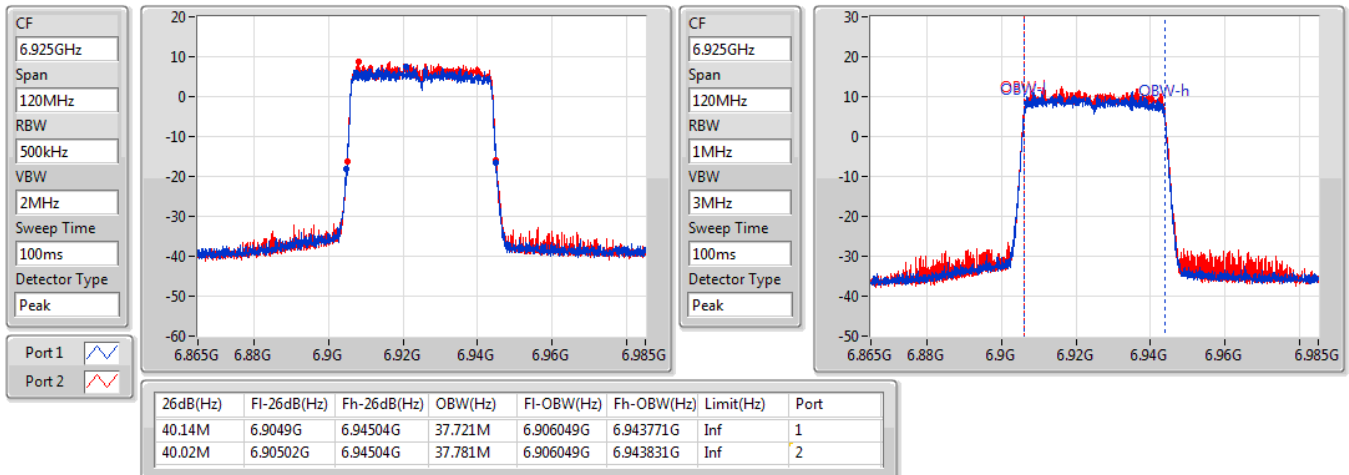


## 802.11ax HEW40\_Nss2,(MCS0)\_2TX

EBW

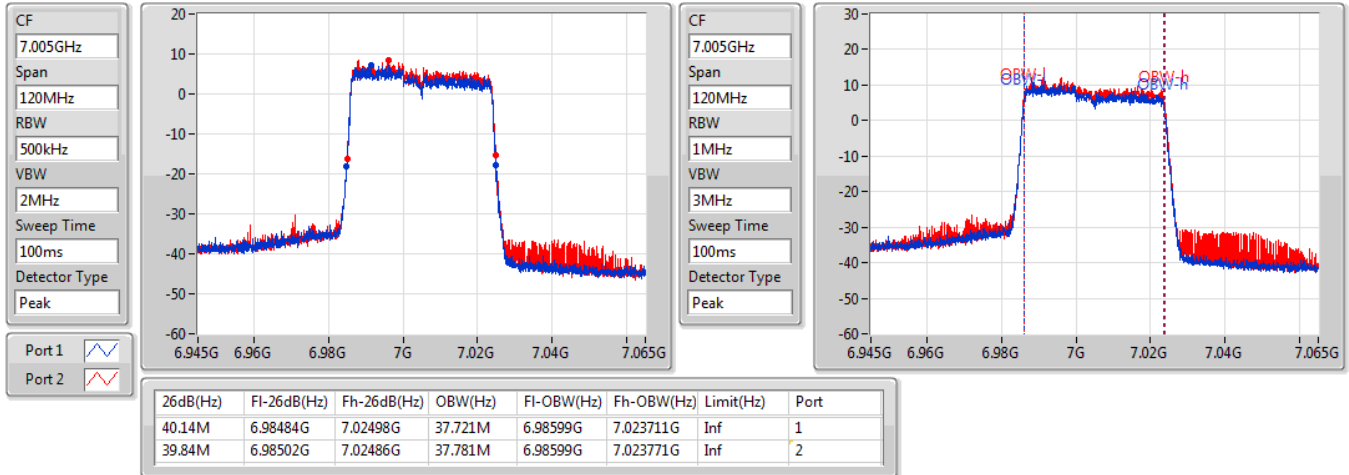
6925MHz

09/08/2022

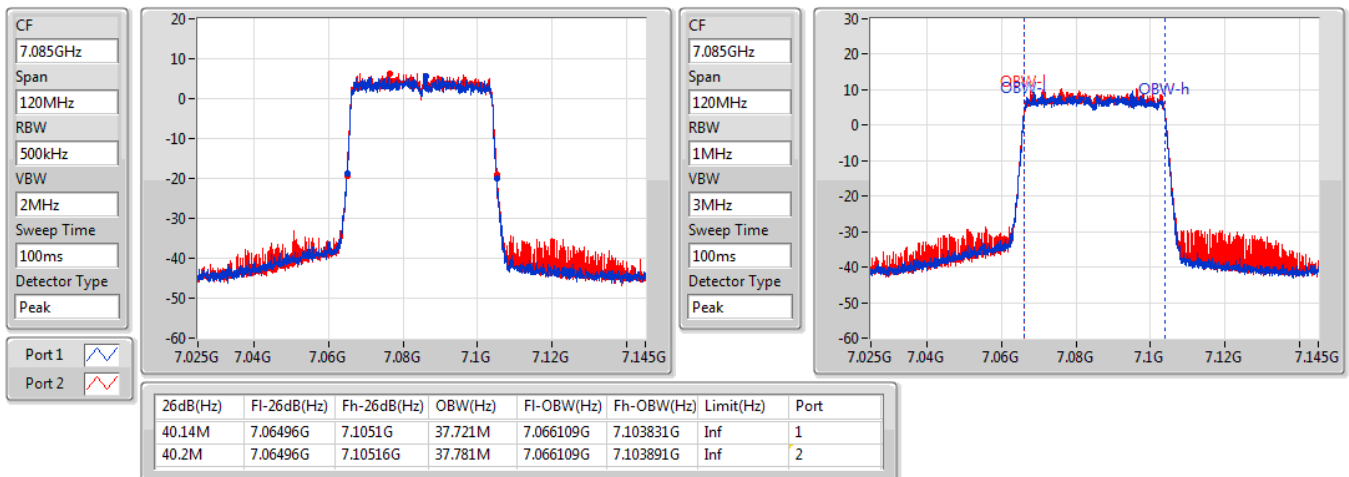


**802.11ax HEW40\_Nss2,(MCS0)\_2TX**
**EBW**
**7005MHz**

09/08/2022

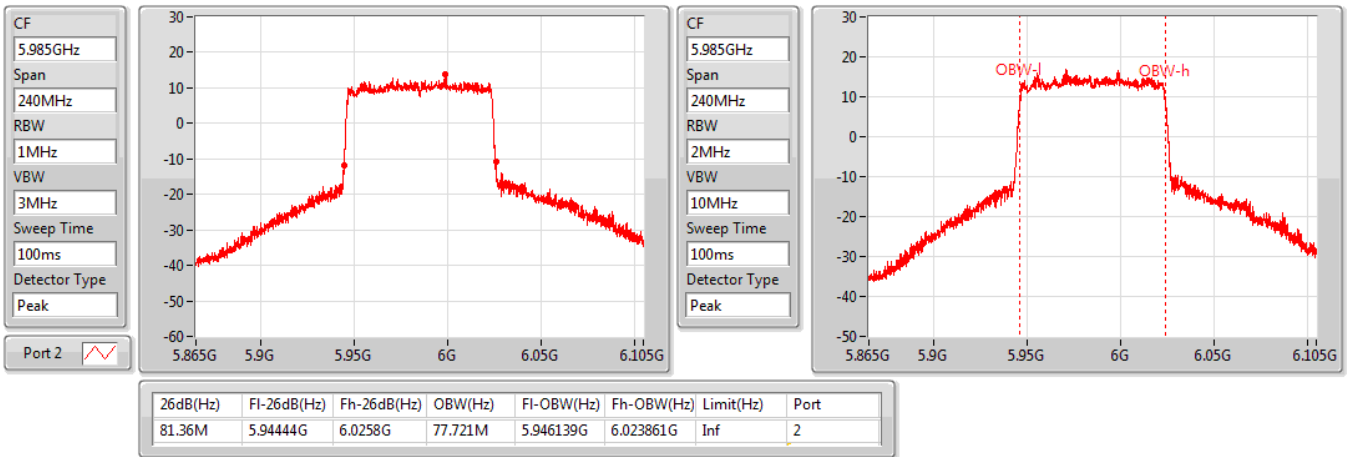

**802.11ax HEW40\_Nss2,(MCS0)\_2TX**
**EBW**
**7085MHz**

09/08/2022

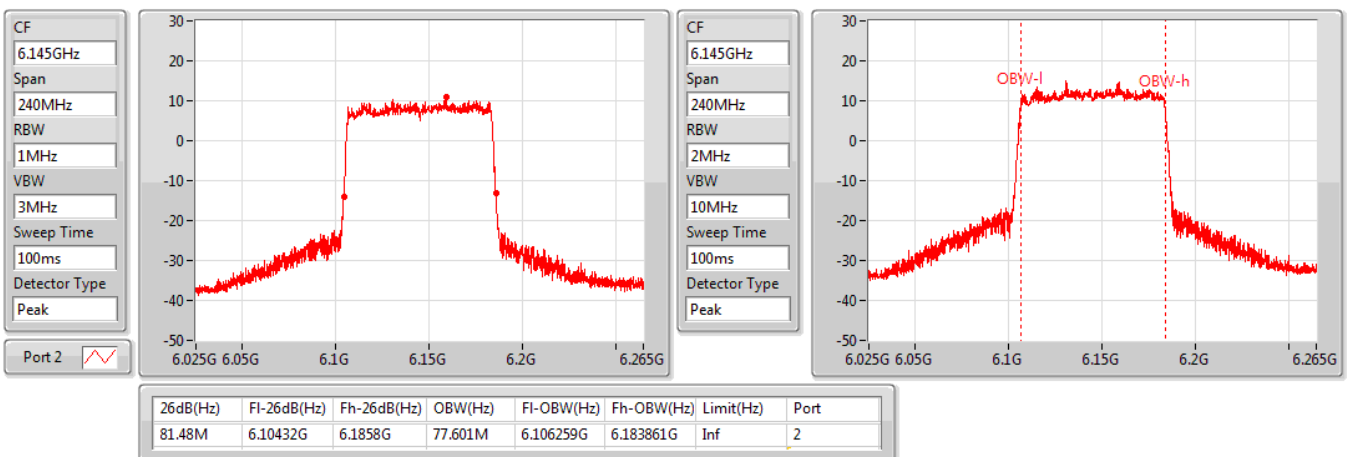


**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**5985MHz**

09/08/2022

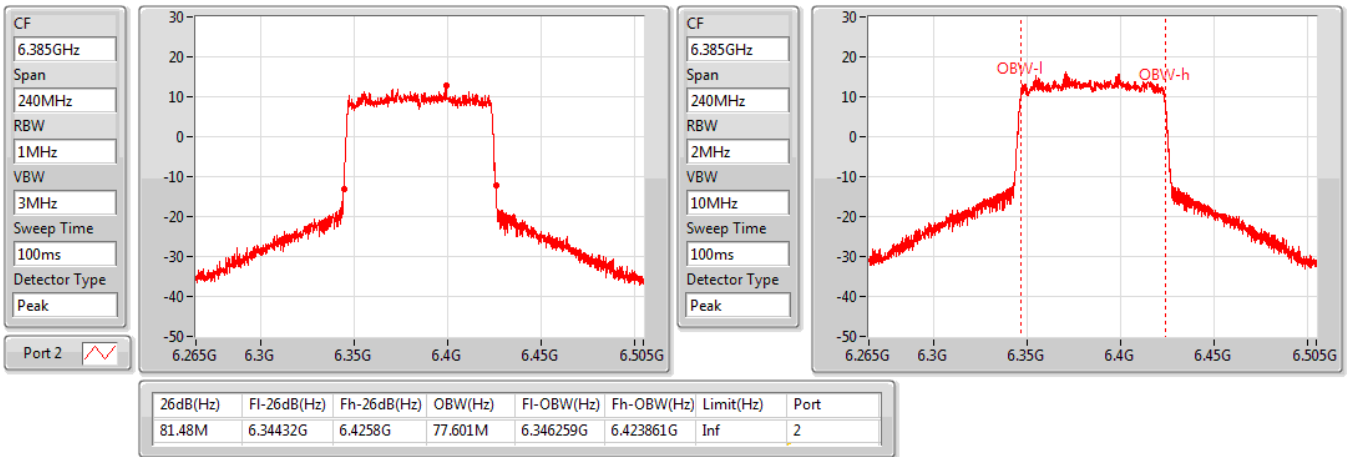

**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6145MHz**

09/08/2022

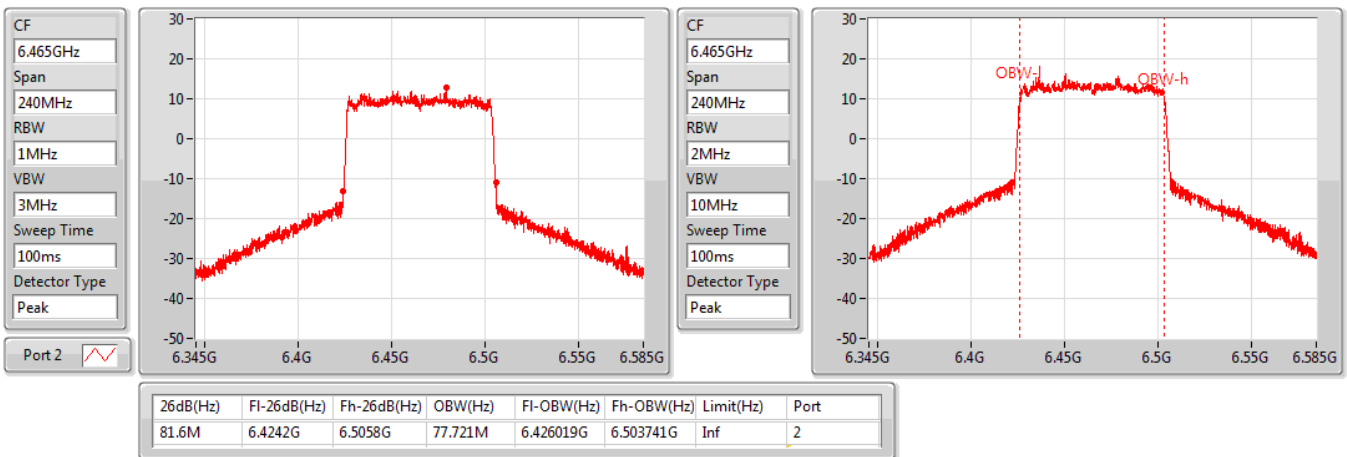


**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6385MHz**

09/08/2022

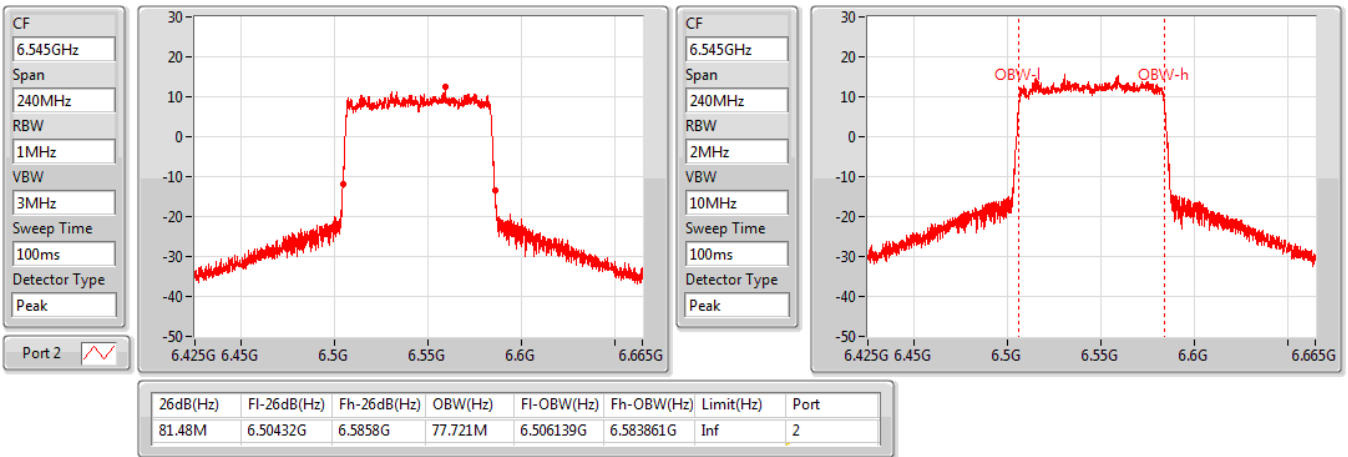

**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6465MHz**

09/08/2022

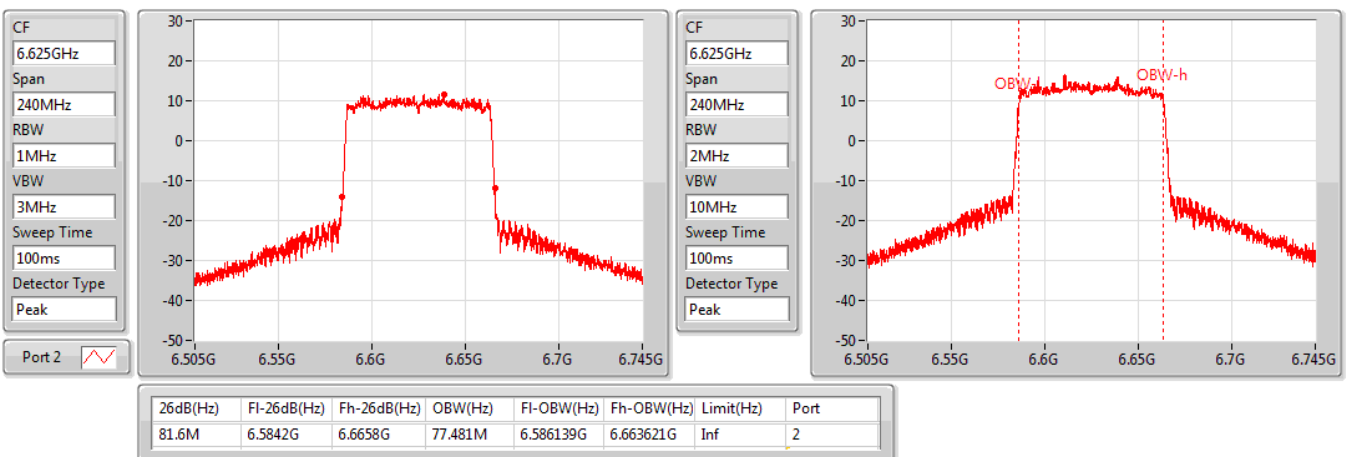


**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6545MHz**

09/08/2022

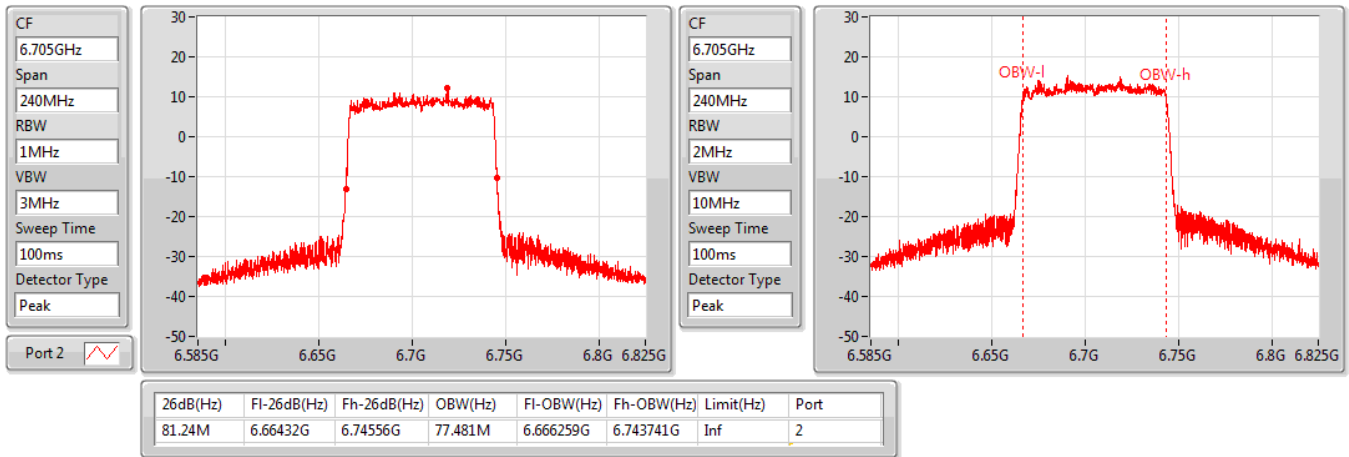

**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6625MHz**

09/08/2022

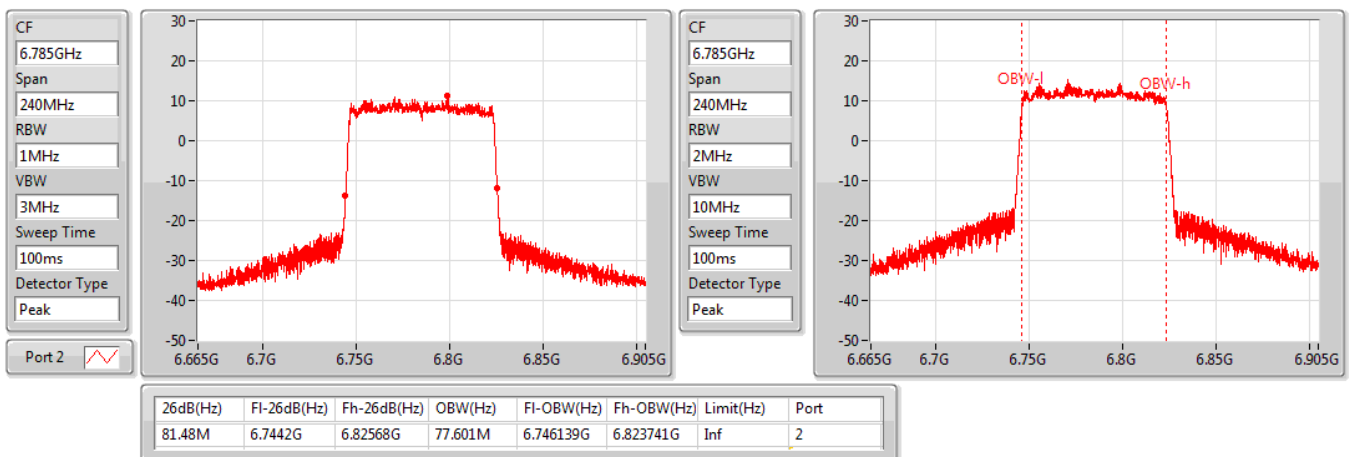


**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6705MHz**

09/08/2022

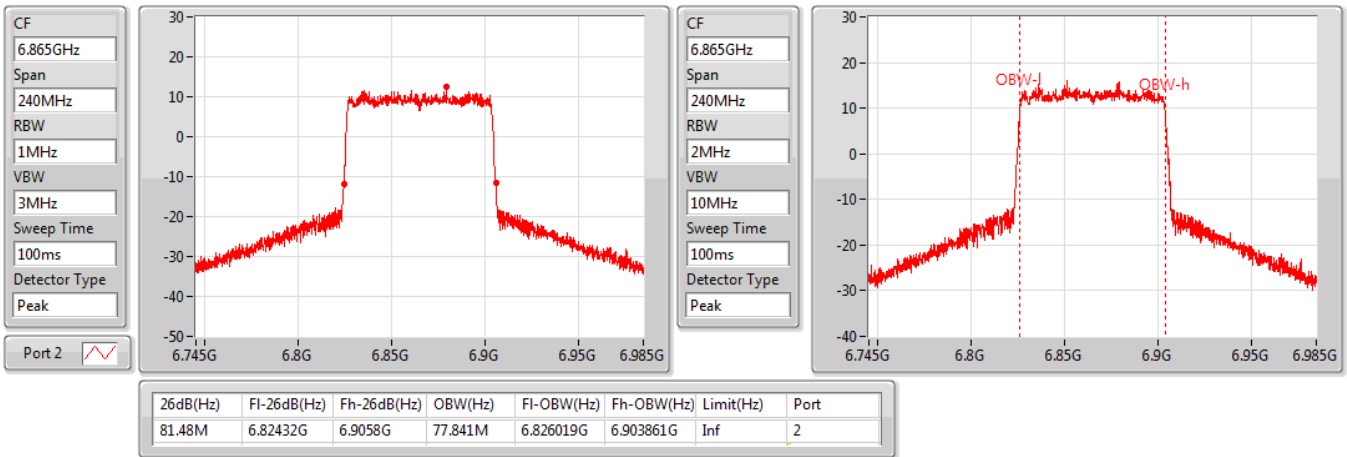

**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6785MHz**

09/08/2022

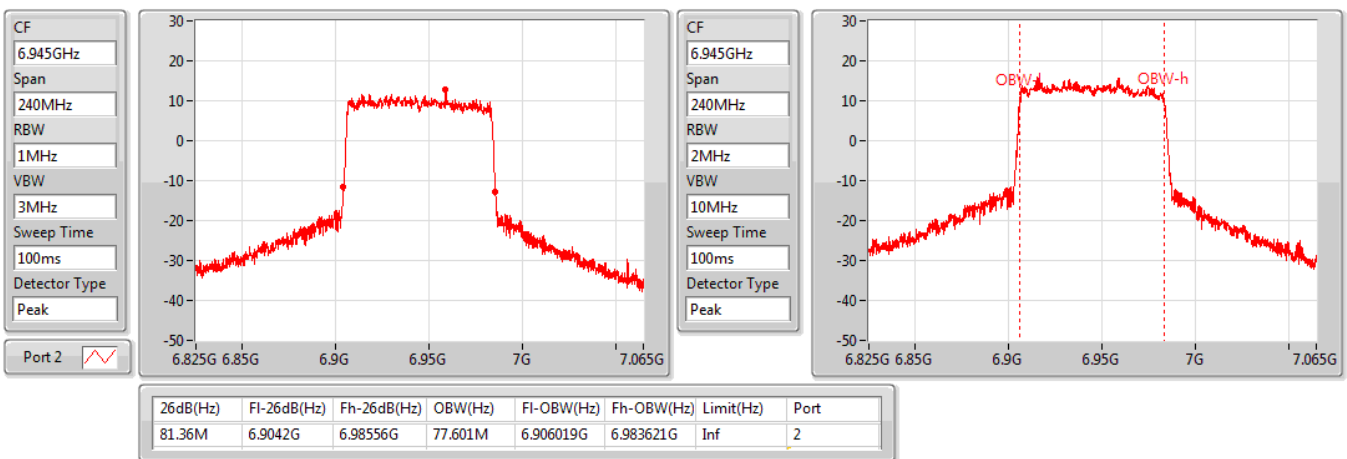


**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6865MHz**

09/08/2022

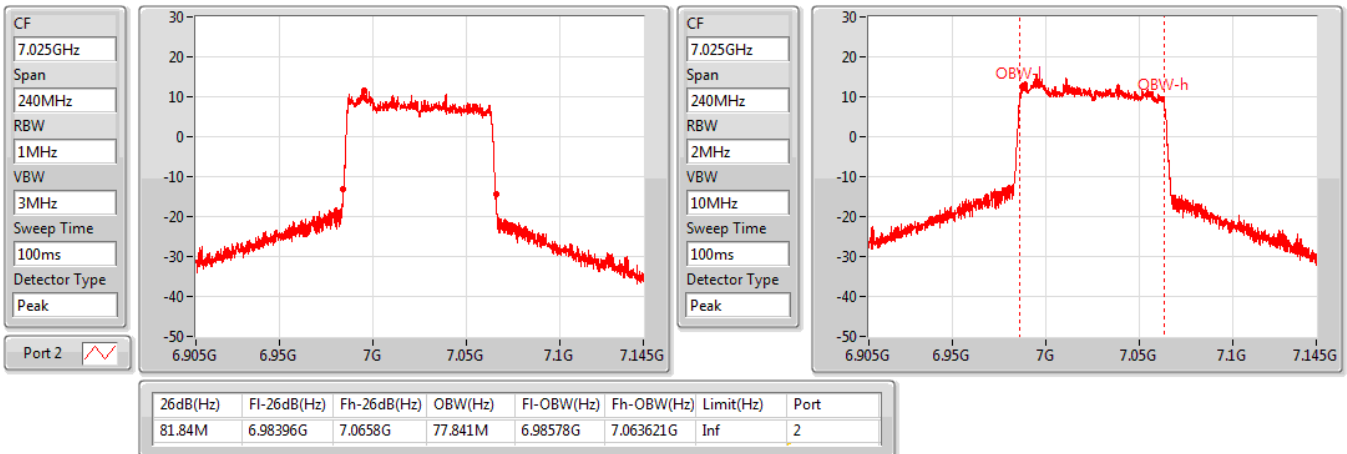

**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6945MHz**

09/08/2022

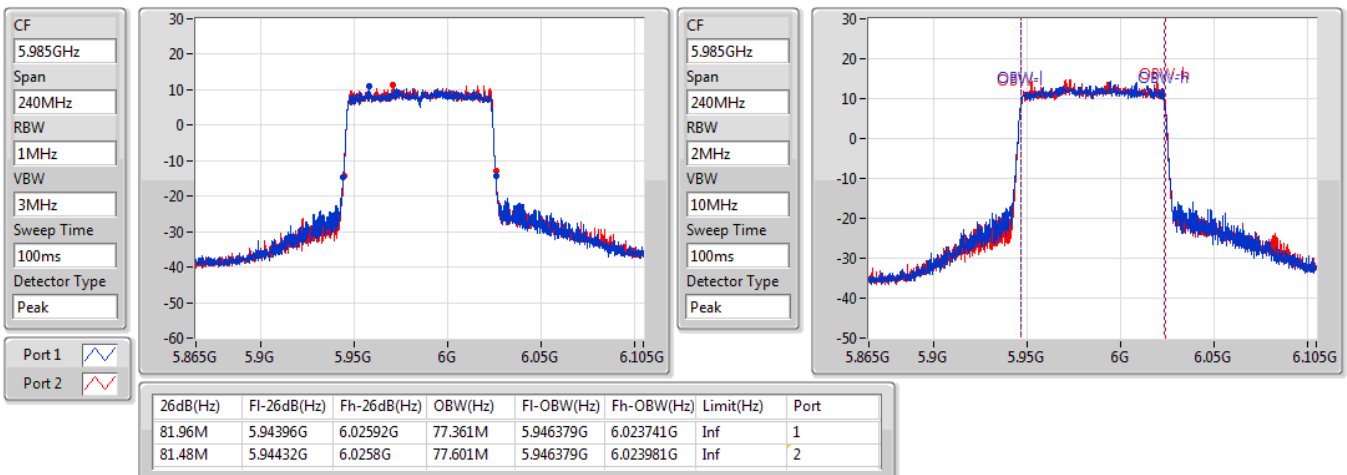


**802.11ax HEW80\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**7025MHz**

09/08/2022


**802.11ax HEW80\_Nss2,(MCS0)\_2TX**
**EBW**
**5985MHz**

09/08/2022

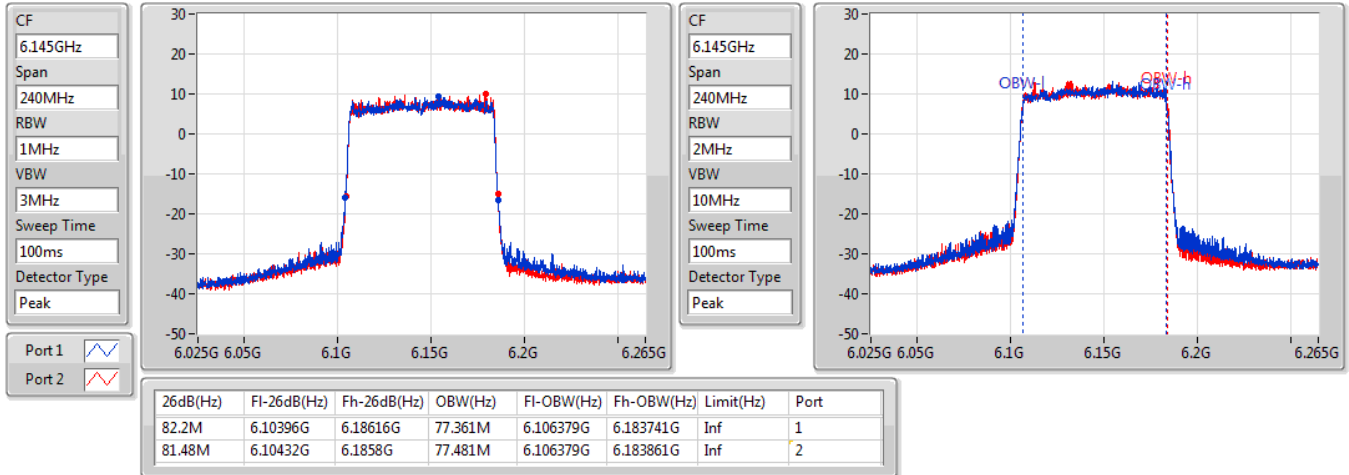


## 802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

6145MHz

09/08/2022

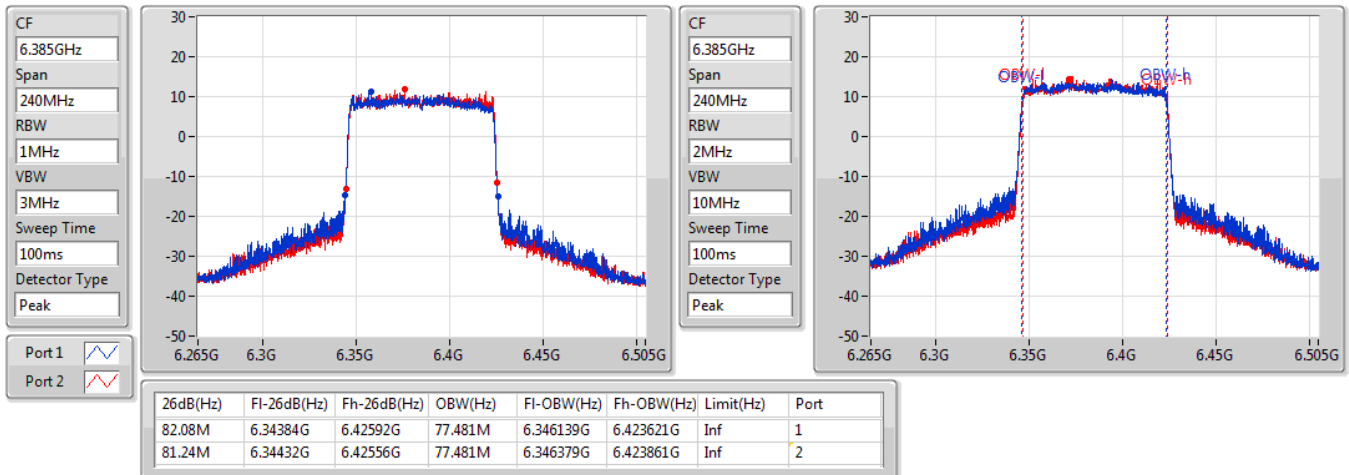


## 802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

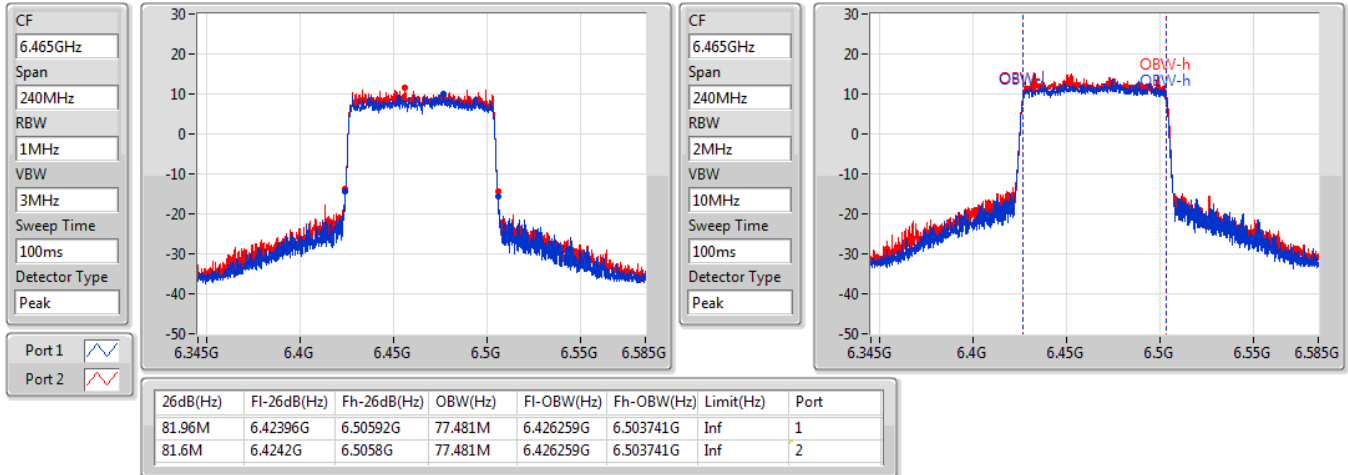
6385MHz

09/08/2022

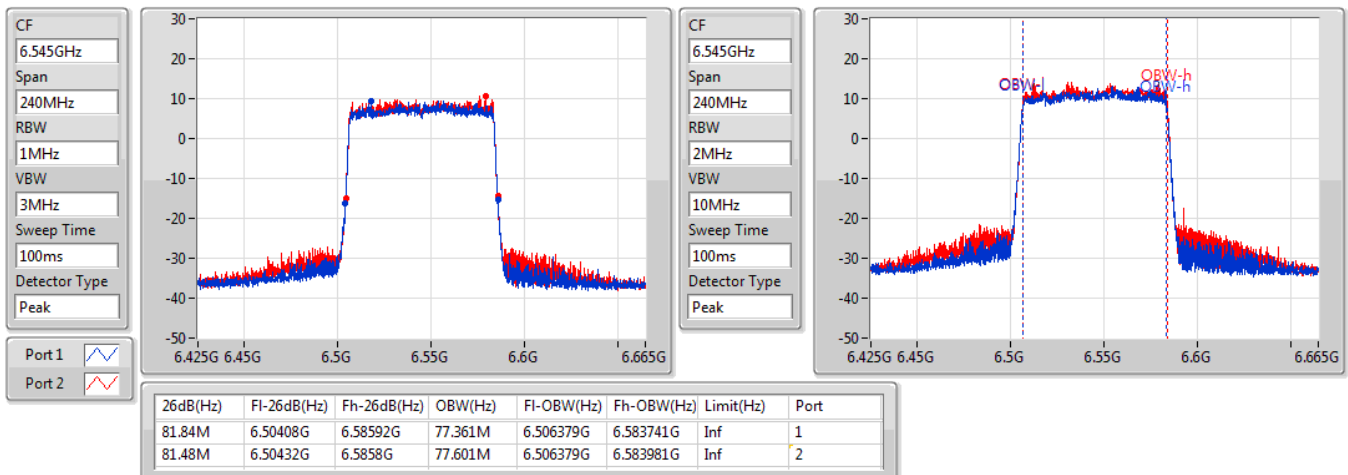


**802.11ax HEW80\_Nss2,(MCS0)\_2TX**
**EBW**
**6465MHz**

09/08/2022


**802.11ax HEW80\_Nss2,(MCS0)\_2TX**
**EBW**
**6545MHz**

09/08/2022

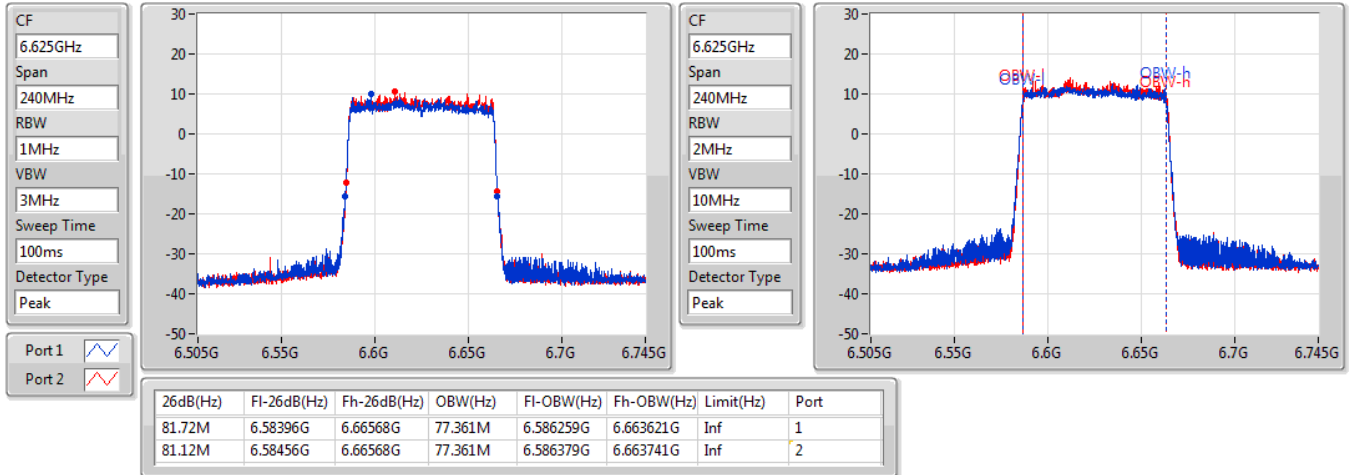


## 802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

6625MHz

09/08/2022

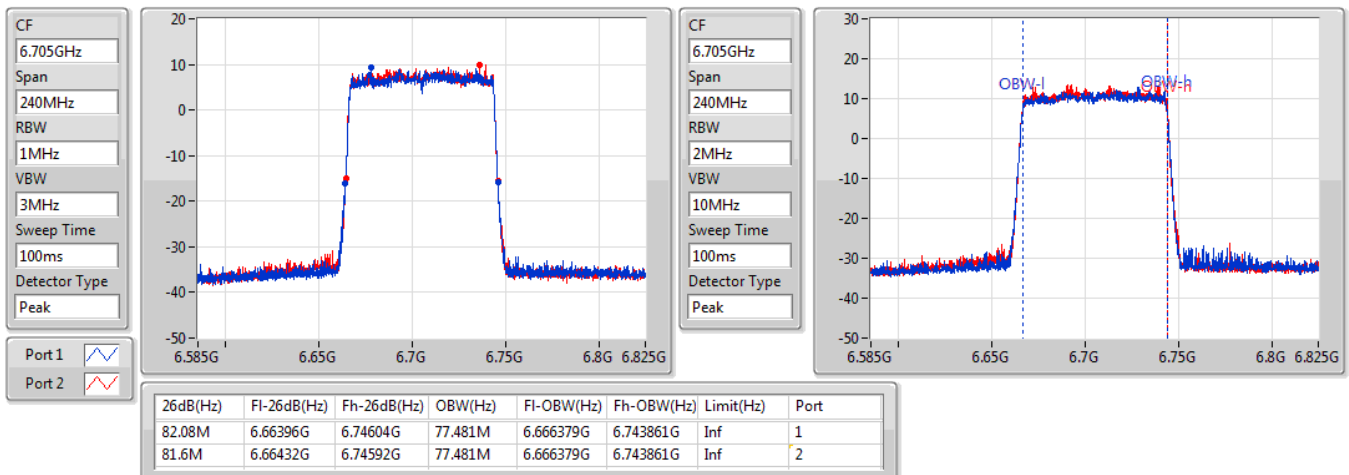


## 802.11ax HEW80\_Nss2,(MCS0)\_2TX

EBW

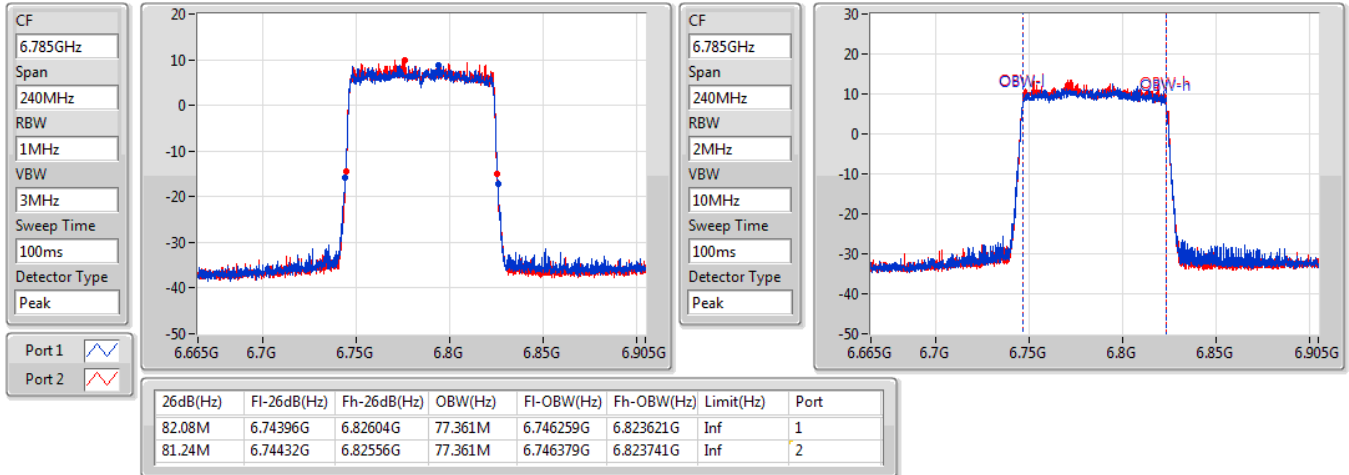
6705MHz

09/08/2022

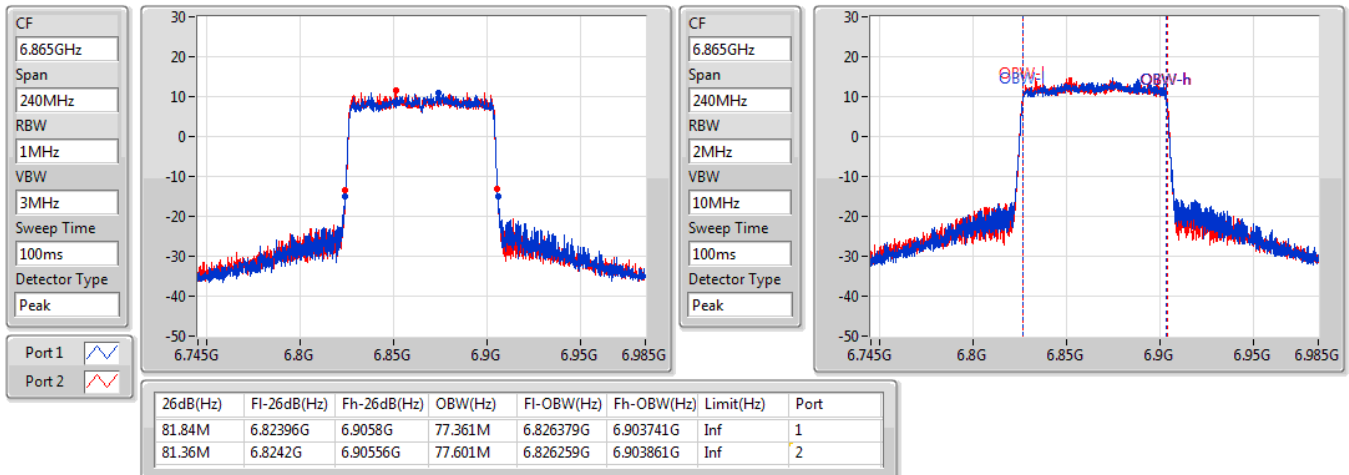


**802.11ax HEW80\_Nss2,(MCS0)\_2TX**
**EBW**
**6785MHz**

09/08/2022

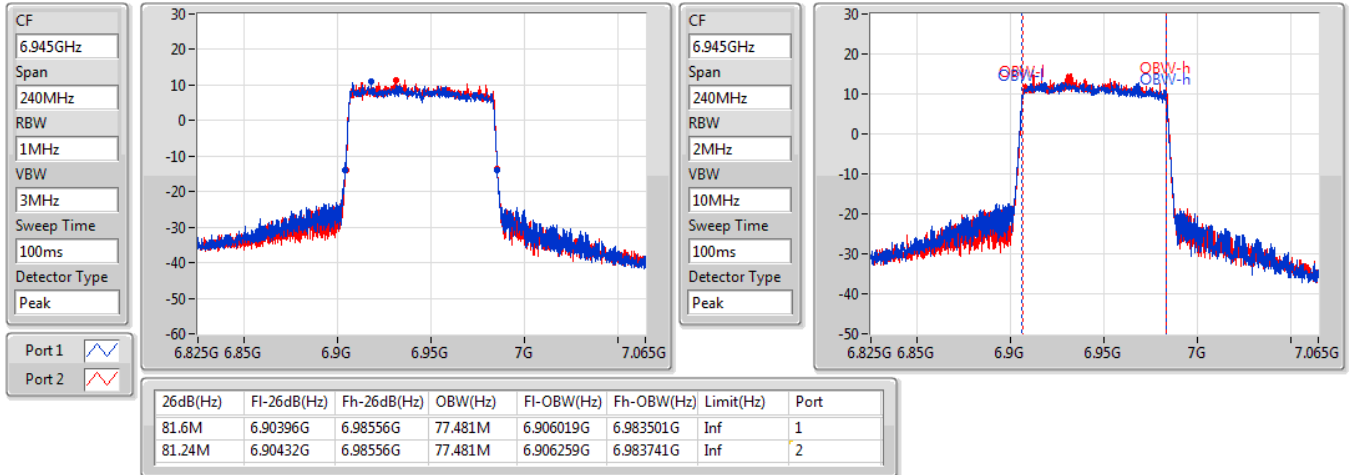

**802.11ax HEW80\_Nss2,(MCS0)\_2TX**
**EBW**
**6865MHz**

09/08/2022

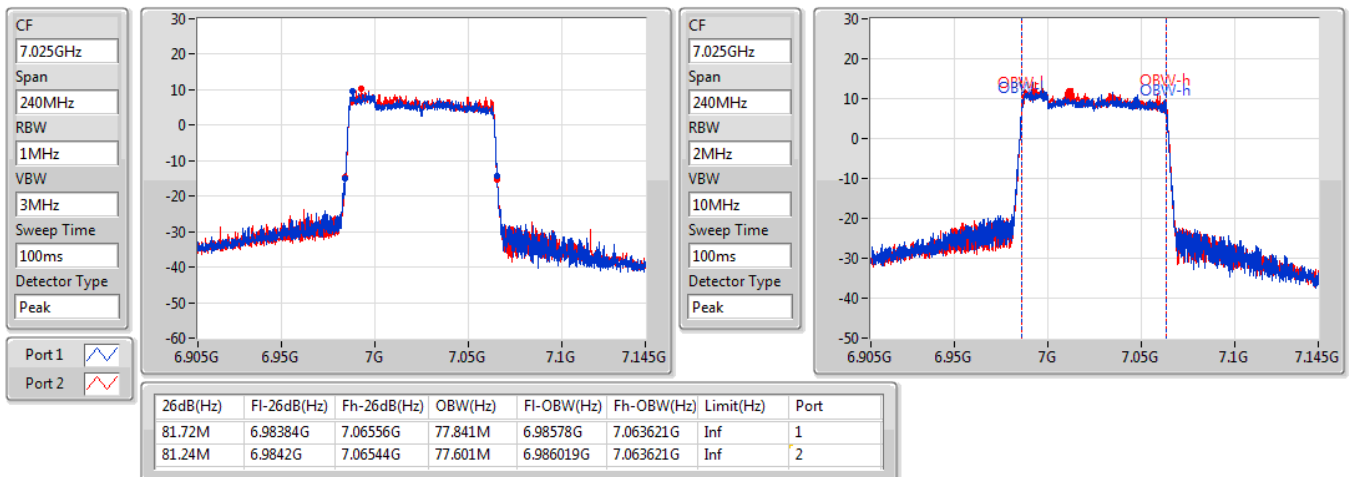


**802.11ax HEW80\_Nss2,(MCS0)\_2TX**
**EBW**
**6945MHz**

09/08/2022


**802.11ax HEW80\_Nss2,(MCS0)\_2TX**
**EBW**
**7025MHz**

09/08/2022

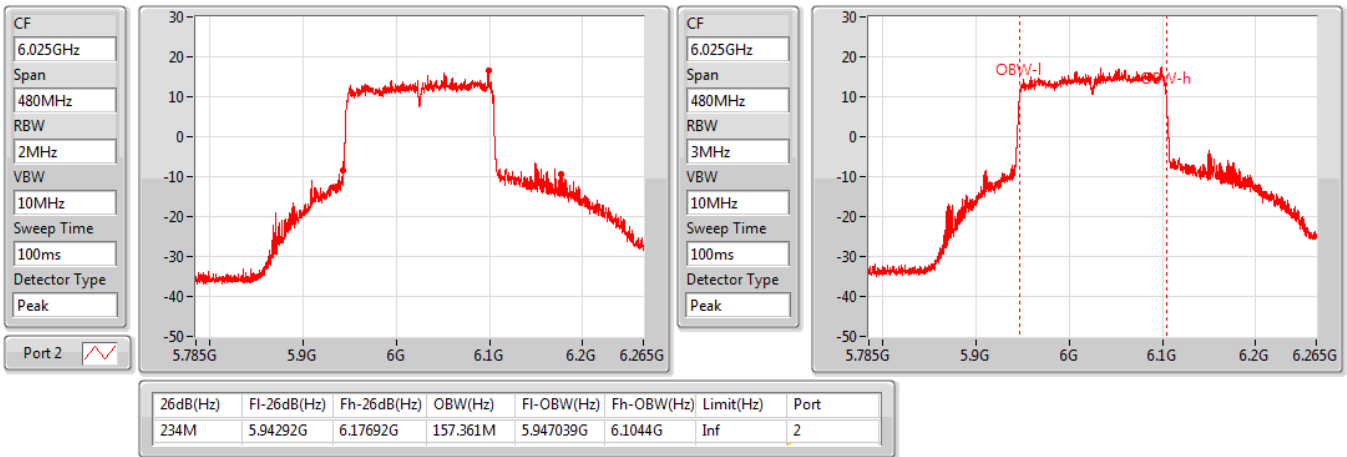


## 802.11ax HEW160\_Nss1,(MCS0)\_1TX(Port2)

EBW

6025MHz

09/08/2022

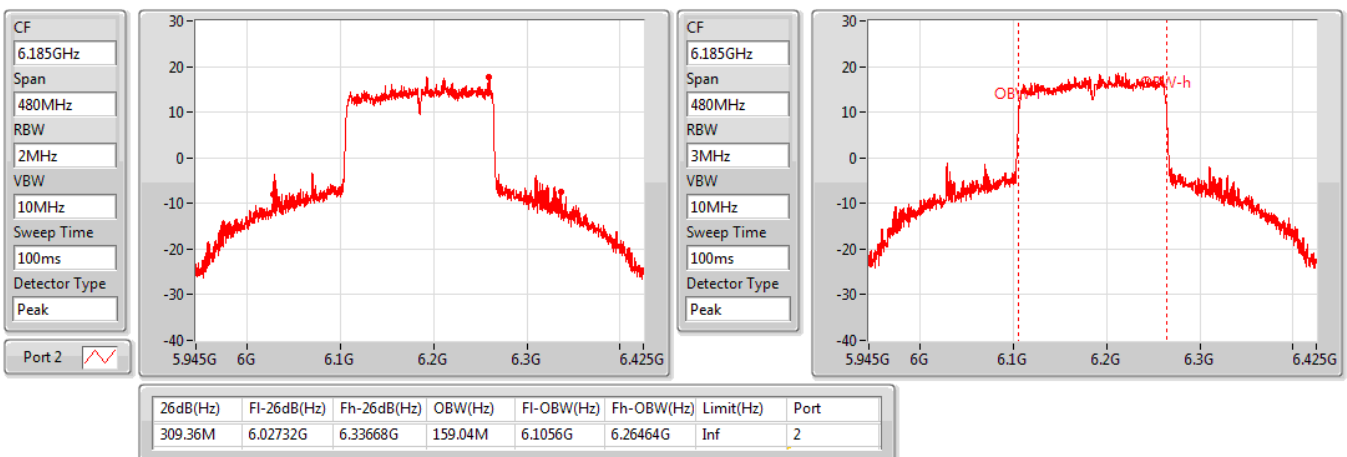


## 802.11ax HEW160\_Nss1,(MCS0)\_1TX(Port2)

EBW

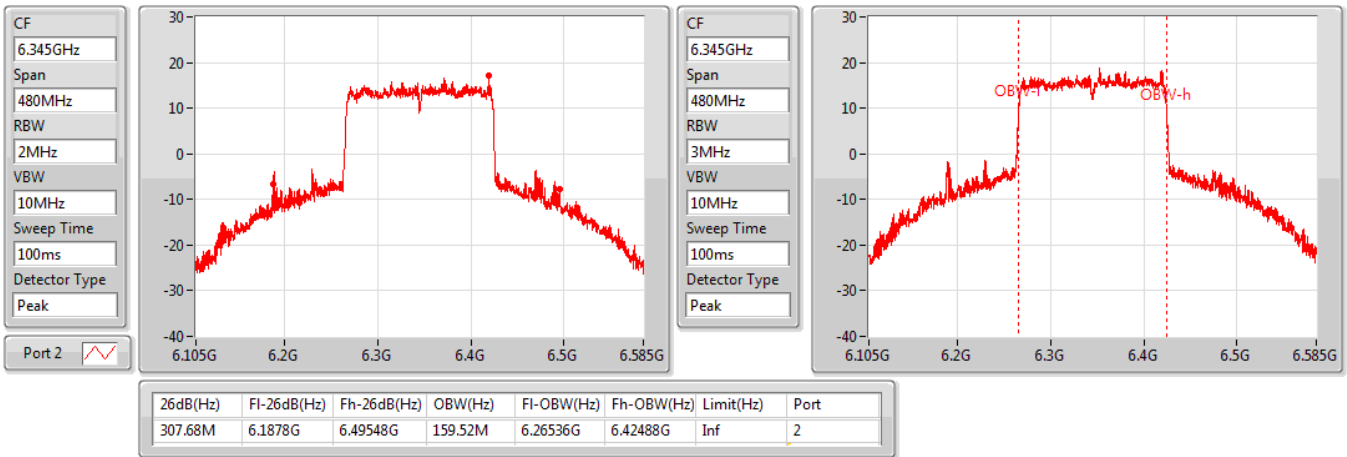
6185MHz

09/08/2022

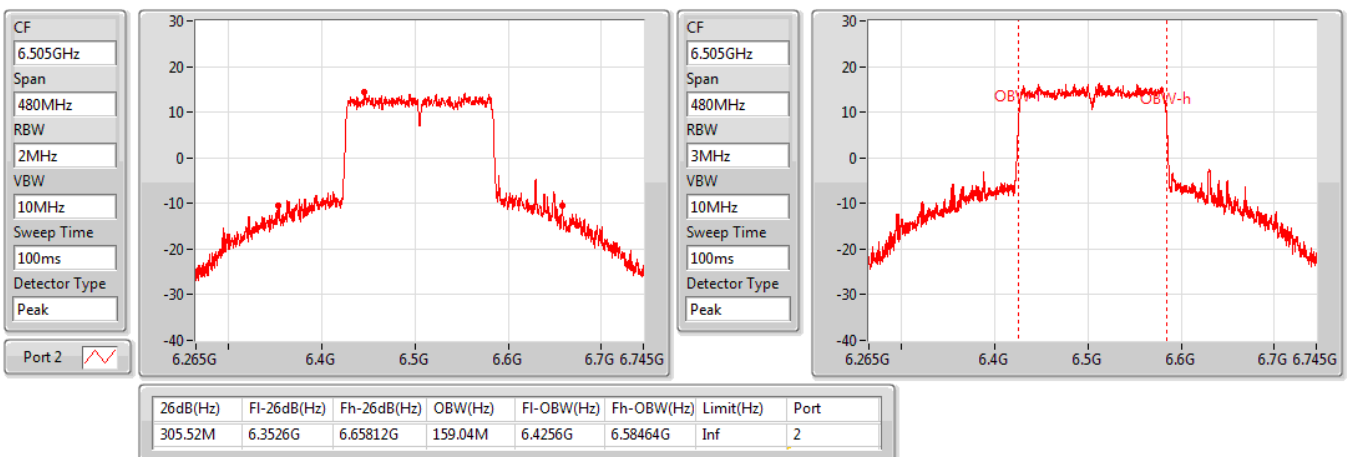


**802.11ax HEW160\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6345MHz**

09/08/2022


**802.11ax HEW160\_Nss1,(MCS0)\_1TX(Port2)**
**EBW**
**6505MHz**

09/08/2022

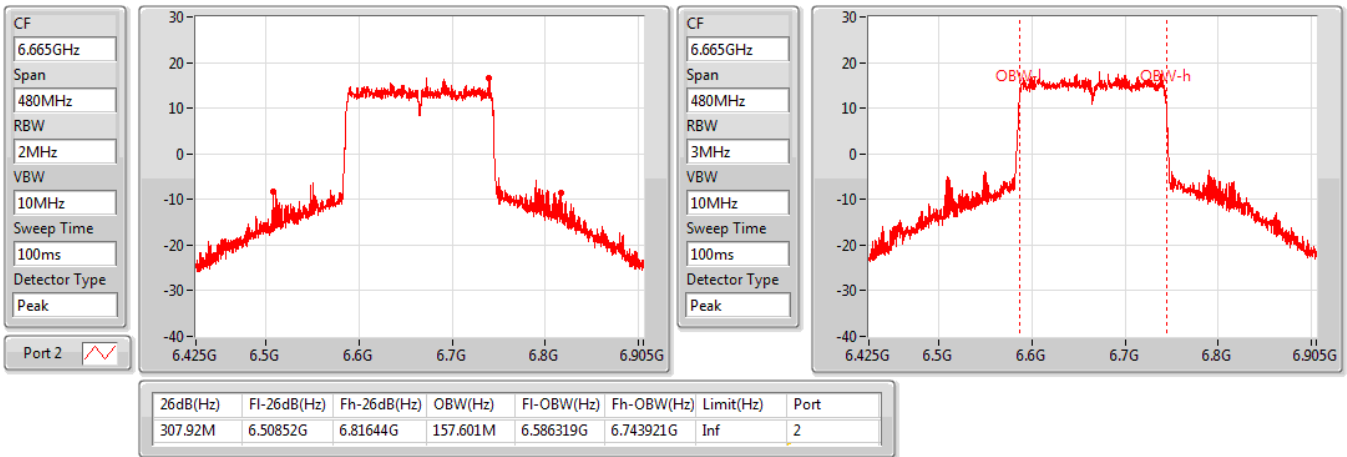


## 802.11ax HEW160\_Nss1,(MCS0)\_1TX(Port2)

EBW

6665MHz

09/08/2022

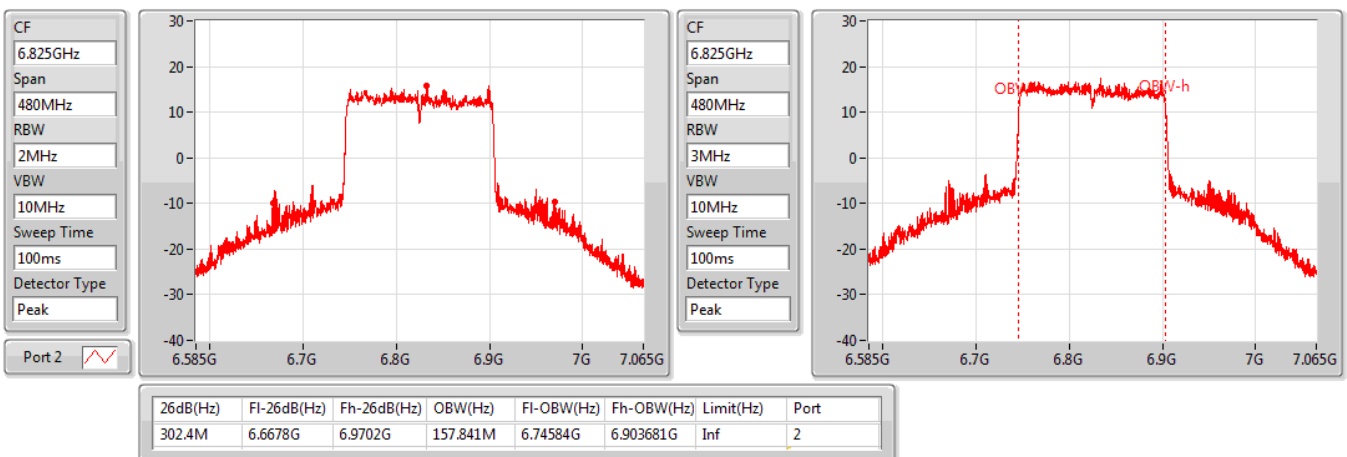


## 802.11ax HEW160\_Nss1,(MCS0)\_1TX(Port2)

EBW

6825MHz

09/08/2022

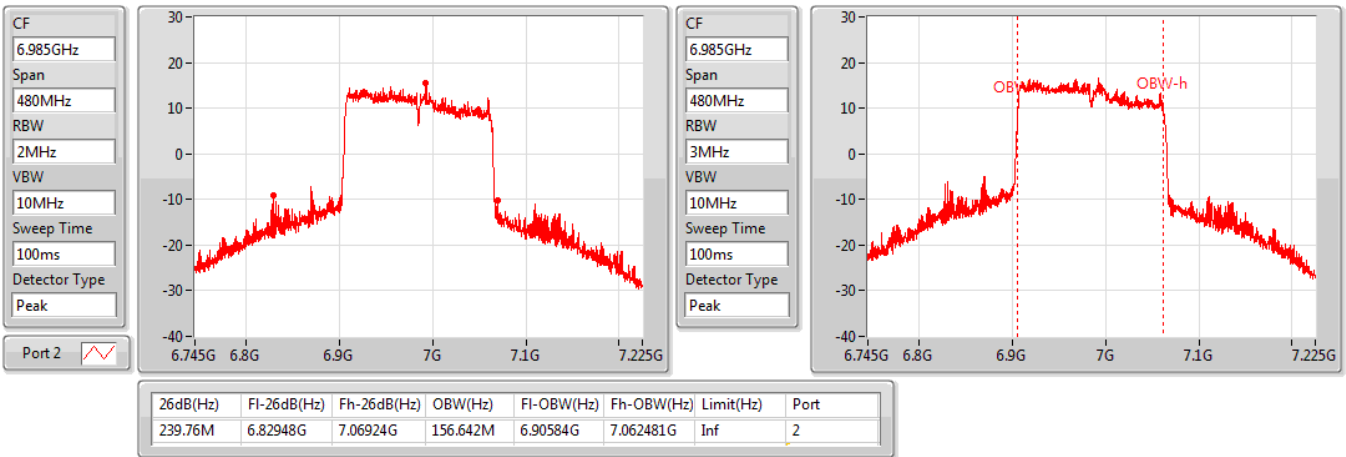


## 802.11ax HEW160\_Nss1,(MCS0)\_1TX(Port2)

EBW

6985MHz

09/08/2022

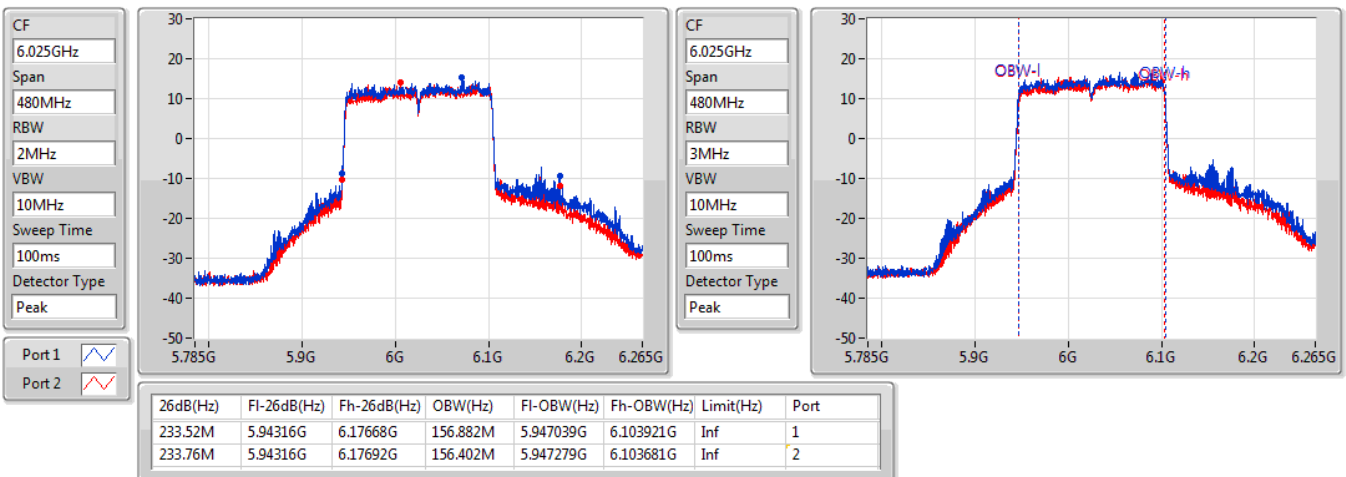


## 802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

6025MHz

09/08/2022

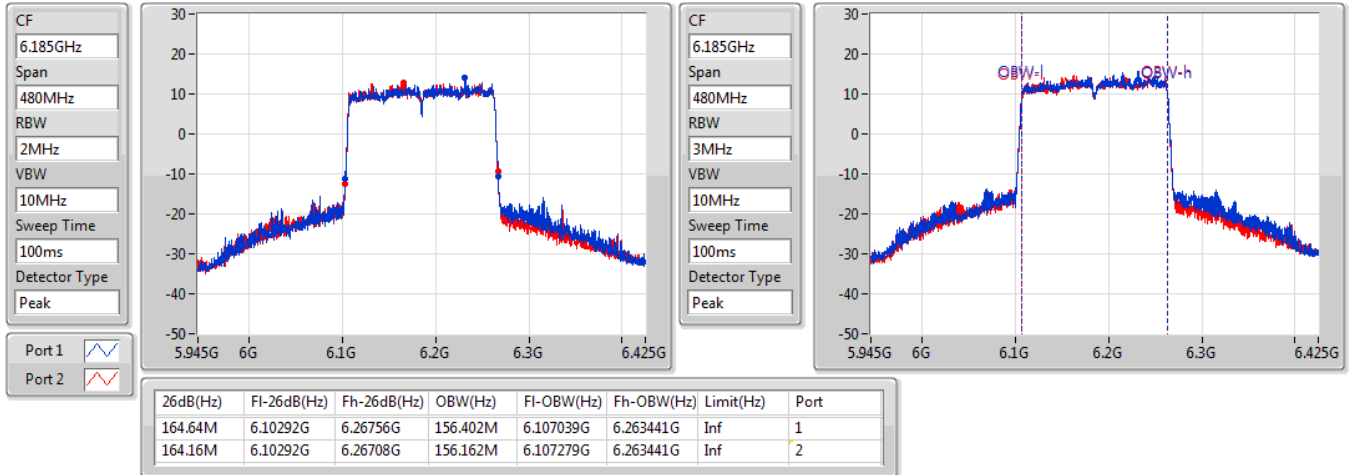


## 802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

6185MHz

09/08/2022

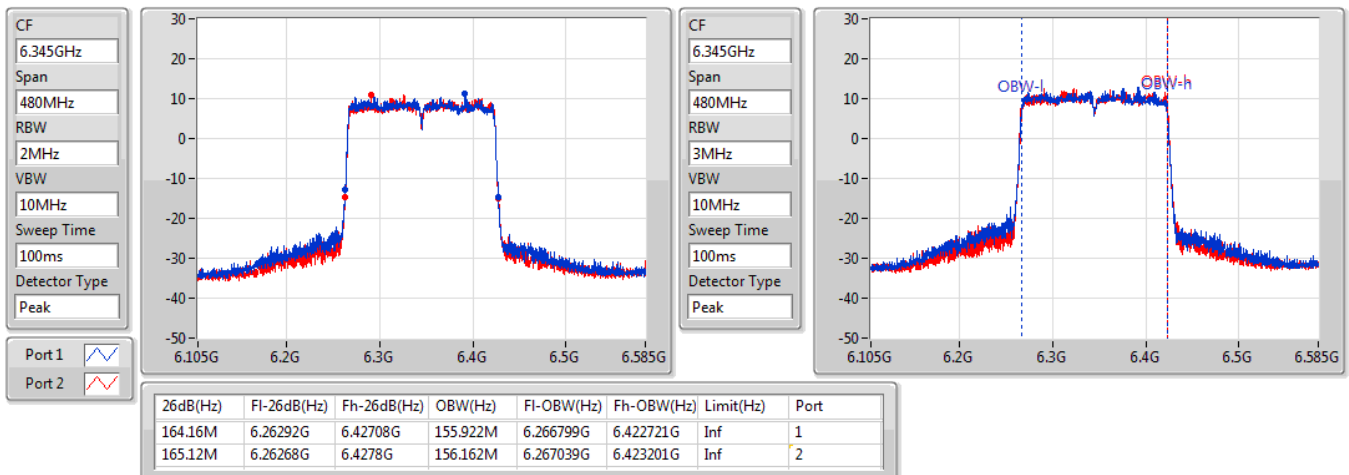


## 802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

6345MHz

09/08/2022

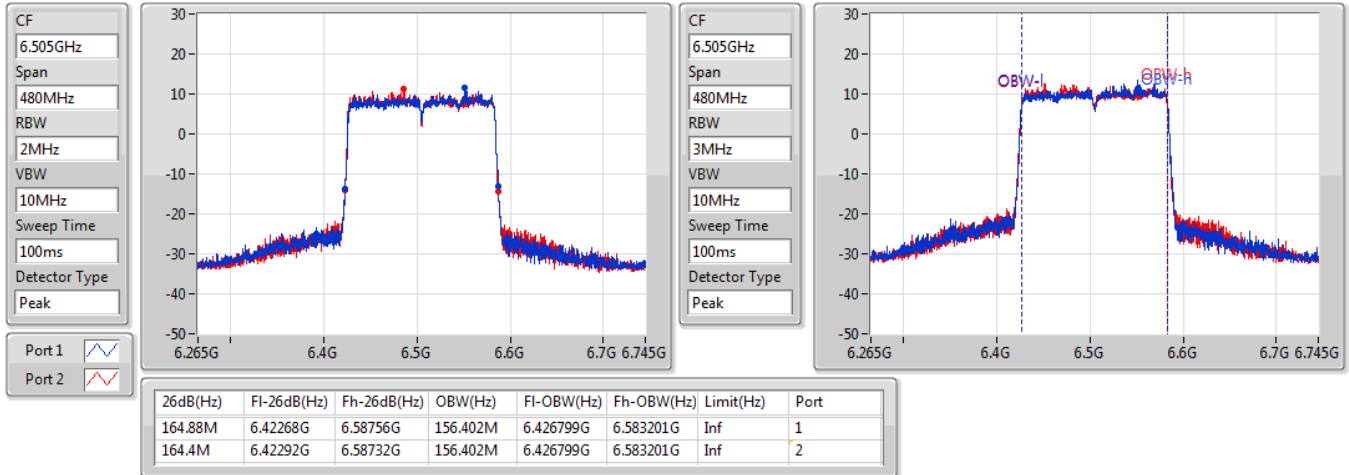


## 802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

6505MHz

09/08/2022

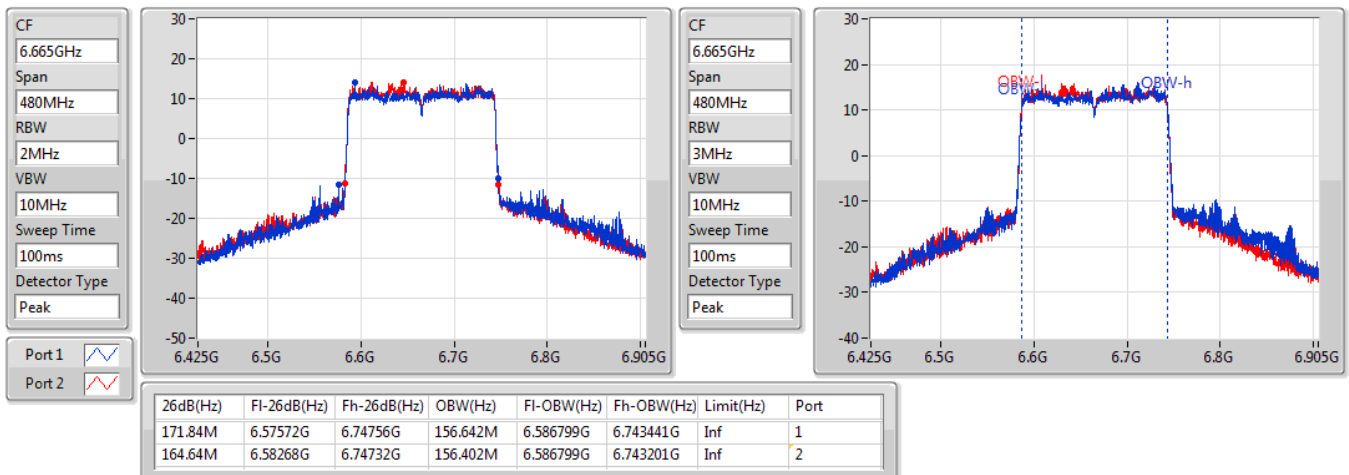


## 802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

6665MHz

09/08/2022

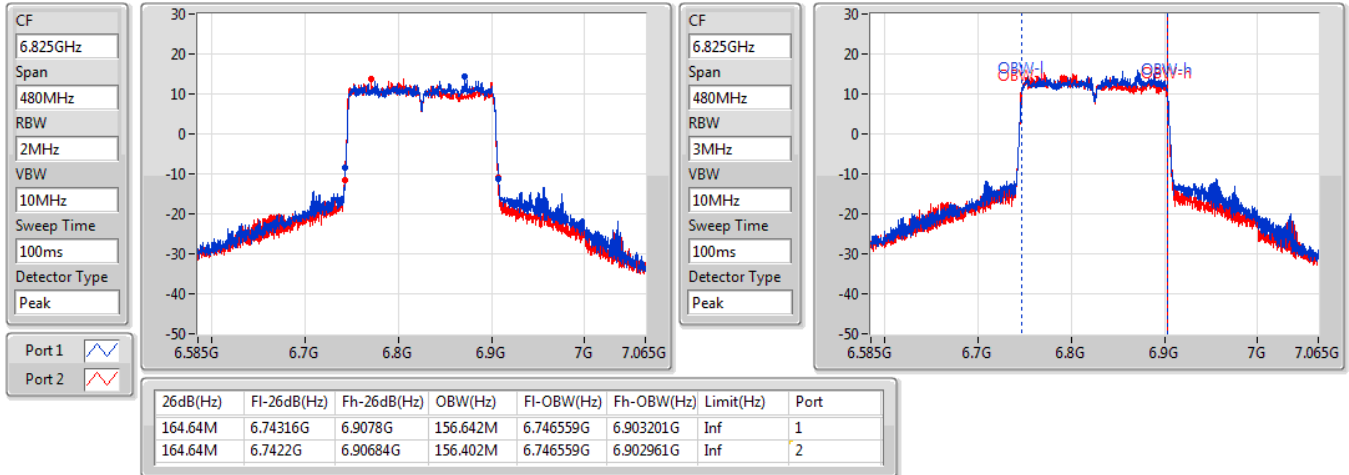


## 802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

6825MHz

09/08/2022

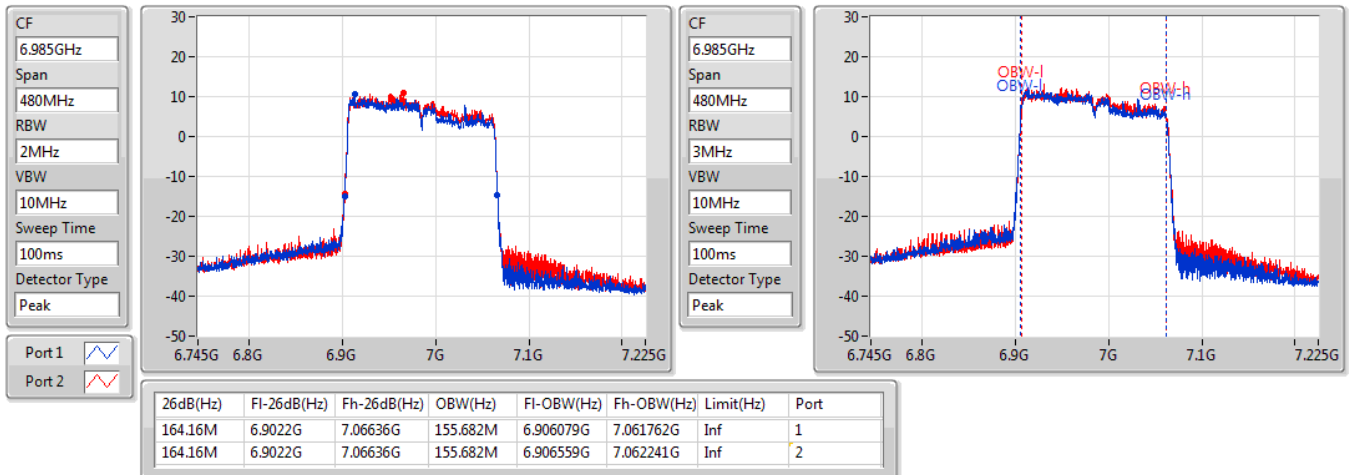


## 802.11ax HEW160\_Nss2,(MCS0)\_2TX

EBW

6985MHz

09/08/2022



**Summary**

| Mode                               | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|------------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.925-6.425GHz                     | -                | -               | -        | -                | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | 21.72M           | 19.07M          | 19M1D1D  | 21.51M           | 19.01M          |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | 40.2M            | 37.841M         | 37M8D1D  | 39.96M           | 37.721M         |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | 81.72M           | 77.481M         | 77M5D1D  | 81.12M           | 77.361M         |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | 239.04M          | 157.361M        | 157MD1D  | 162M             | 155.922M        |
| 6.425-6.525GHz                     | -                | -               | -        | -                | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | 21.69M           | 19.07M          | 19M1D1D  | 21.6M            | 19.04M          |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | 40.32M           | 37.841M         | 37M8D1D  | 39.96M           | 37.781M         |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | 81.36M           | 77.721M         | 77M7D1D  | 81.24M           | 77.241M         |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | 302.16M          | 156.882M        | 157MD1D  | 297.12M          | 156.402M        |
| 6.525-6.875GHz                     | -                | -               | -        | -                | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | 21.72M           | 19.07M          | 19M1D1D  | 21.54M           | 19.04M          |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | 40.44M           | 37.841M         | 37M8D1D  | 40.02M           | 37.721M         |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | 81.6M            | 77.721M         | 77M7D1D  | 81M              | 77.361M         |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | 163.68M          | 156.882M        | 157MD1D  | 162.24M          | 155.922M        |
| 6.875-7.125GHz                     | -                | -               | -        | -                | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | 21.78M           | 19.1M           | 19M1D1D  | 21.54M           | 18.981M         |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | 40.26M           | 37.841M         | 37M8D1D  | 39.96M           | 37.661M         |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | 81.72M           | 77.601M         | 77M6D1D  | 80.88M           | 77.121M         |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | 162.96M          | 156.882M        | 157MD1D  | 160.8M           | 154.963M        |

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

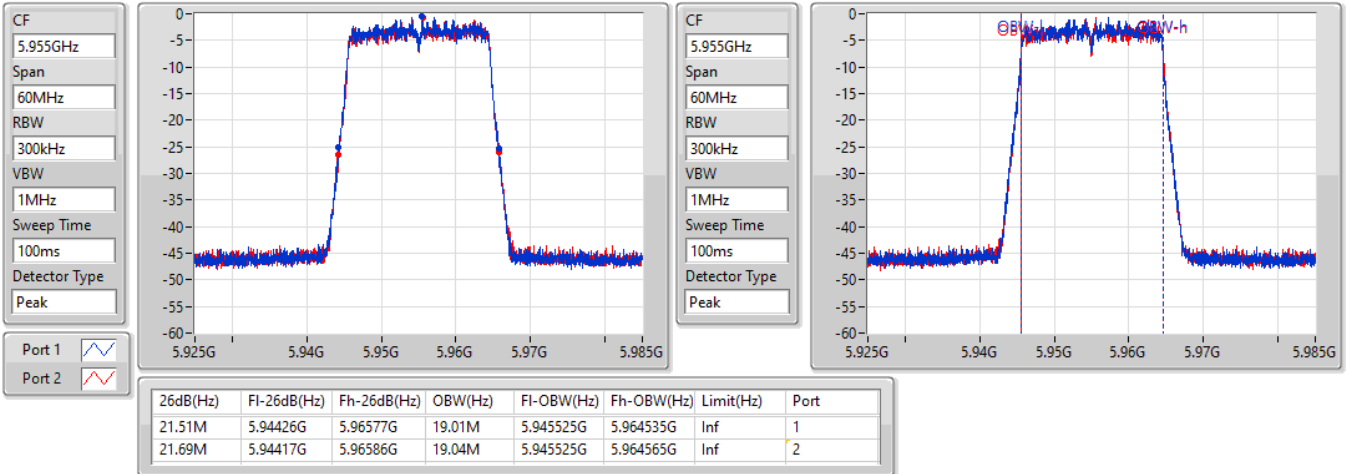
**Result**

| Mode                               | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) |
|------------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5955MHz                            | Pass   | Inf           | 21.51M              | 19.01M             | 21.69M              | 19.04M             |
| 6175MHz                            | Pass   | Inf           | 21.69M              | 19.07M             | 21.72M              | 19.04M             |
| 6415MHz                            | Pass   | Inf           | 21.63M              | 19.04M             | 21.66M              | 19.04M             |
| 6435MHz                            | Pass   | Inf           | 21.6M               | 19.04M             | 21.69M              | 19.04M             |
| 6475MHz                            | Pass   | Inf           | 21.63M              | 19.04M             | 21.69M              | 19.04M             |
| 6515MHz                            | Pass   | Inf           | 21.6M               | 19.07M             | 21.6M               | 19.07M             |
| 6535MHz                            | Pass   | Inf           | 21.54M              | 19.04M             | 21.57M              | 19.04M             |
| 6695MHz                            | Pass   | Inf           | 21.66M              | 19.04M             | 21.69M              | 19.04M             |
| 6855MHz                            | Pass   | Inf           | 21.66M              | 19.04M             | 21.69M              | 19.04M             |
| 6875MHz                            | Pass   | Inf           | 21.72M              | 19.07M             | 21.69M              | 19.04M             |
| 6895MHz                            | Pass   | Inf           | 21.63M              | 19.04M             | 21.6M               | 19.07M             |
| 6995MHz                            | Pass   | Inf           | 21.78M              | 19.07M             | 21.69M              | 19.1M              |
| 7095MHz                            | Pass   | Inf           | 21.54M              | 19.04M             | 21.69M              | 18.981M            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5965MHz                            | Pass   | Inf           | 39.96M              | 37.721M            | 40.2M               | 37.781M            |
| 6165MHz                            | Pass   | Inf           | 40.02M              | 37.781M            | 39.96M              | 37.841M            |
| 6405MHz                            | Pass   | Inf           | 40.14M              | 37.781M            | 40.02M              | 37.841M            |
| 6445MHz                            | Pass   | Inf           | 40.14M              | 37.841M            | 39.96M              | 37.781M            |
| 6485MHz                            | Pass   | Inf           | 40.14M              | 37.781M            | 40.32M              | 37.841M            |
| 6525MHz                            | Pass   | Inf           | 40.08M              | 37.781M            | 40.2M               | 37.841M            |
| 6565MHz                            | Pass   | Inf           | 40.14M              | 37.841M            | 40.32M              | 37.721M            |
| 6685MHz                            | Pass   | Inf           | 40.26M              | 37.841M            | 40.32M              | 37.841M            |
| 6845MHz                            | Pass   | Inf           | 40.44M              | 37.841M            | 40.08M              | 37.841M            |
| 6885MHz                            | Pass   | Inf           | 40.02M              | 37.841M            | 40.08M              | 37.841M            |
| 6925MHz                            | Pass   | Inf           | 40.26M              | 37.841M            | 39.96M              | 37.841M            |
| 7005MHz                            | Pass   | Inf           | 40.14M              | 37.841M            | 40.02M              | 37.781M            |
| 7085MHz                            | Pass   | Inf           | 40.2M               | 37.661M            | 40.08M              | 37.721M            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | -      | -             | -                   | -                  | -                   | -                  |
| 5985MHz                            | Pass   | Inf           | 81.72M              | 77.481M            | 81.24M              | 77.361M            |
| 6145MHz                            | Pass   | Inf           | 81.72M              | 77.361M            | 81.12M              | 77.481M            |
| 6385MHz                            | Pass   | Inf           | 81.72M              | 77.361M            | 81.48M              | 77.361M            |
| 6465MHz                            | Pass   | Inf           | 81.36M              | 77.481M            | 81.24M              | 77.481M            |
| 6545MHz                            | Pass   | Inf           | 81.36M              | 77.721M            | 81.36M              | 77.241M            |
| 6625MHz                            | Pass   | Inf           | 81M                 | 77.481M            | 81.12M              | 77.361M            |
| 6705MHz                            | Pass   | Inf           | 81.36M              | 77.361M            | 81.24M              | 77.481M            |
| 6785MHz                            | Pass   | Inf           | 81.24M              | 77.481M            | 81M                 | 77.361M            |
| 6865MHz                            | Pass   | Inf           | 81.6M               | 77.721M            | 81.6M               | 77.601M            |
| 6945MHz                            | Pass   | Inf           | 81.12M              | 77.481M            | 81M                 | 77.601M            |
| 7025MHz                            | Pass   | Inf           | 80.88M              | 77.121M            | 81.72M              | 77.481M            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | -      | -             | -                   | -                  | -                   | -                  |
| 6025MHz                            | Pass   | Inf           | 239.04M             | 157.361M           | 225.6M              | 155.922M           |
| 6185MHz                            | Pass   | Inf           | 162M                | 156.642M           | 162.72M             | 156.642M           |
| 6345MHz                            | Pass   | Inf           | 162.24M             | 156.882M           | 162.72M             | 156.642M           |
| 6505MHz                            | Pass   | Inf           | 302.16M             | 156.882M           | 297.12M             | 156.402M           |
| 6665MHz                            | Pass   | Inf           | 162.24M             | 156.882M           | 163.68M             | 156.162M           |
| 6825MHz                            | Pass   | Inf           | 162.72M             | 155.922M           | 163.68M             | 155.922M           |
| 6985MHz                            | Pass   | Inf           | 160.8M              | 154.963M           | 162.96M             | 156.882M           |

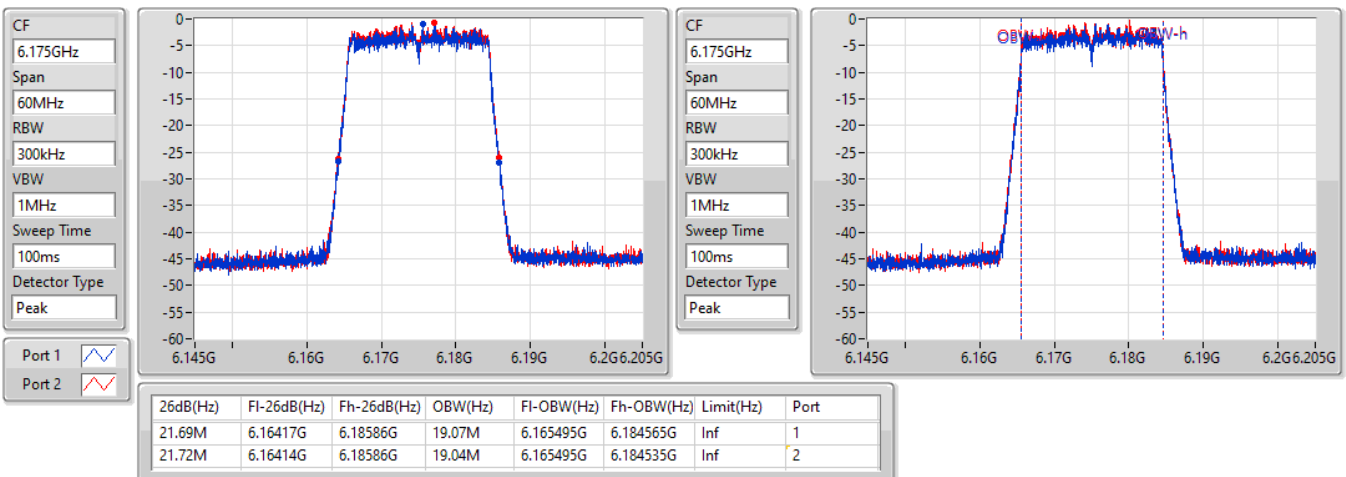
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

**802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX**
**EBW**
**5955MHz**

23/05/2022


**802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX**
**EBW**
**6175MHz**

23/05/2022

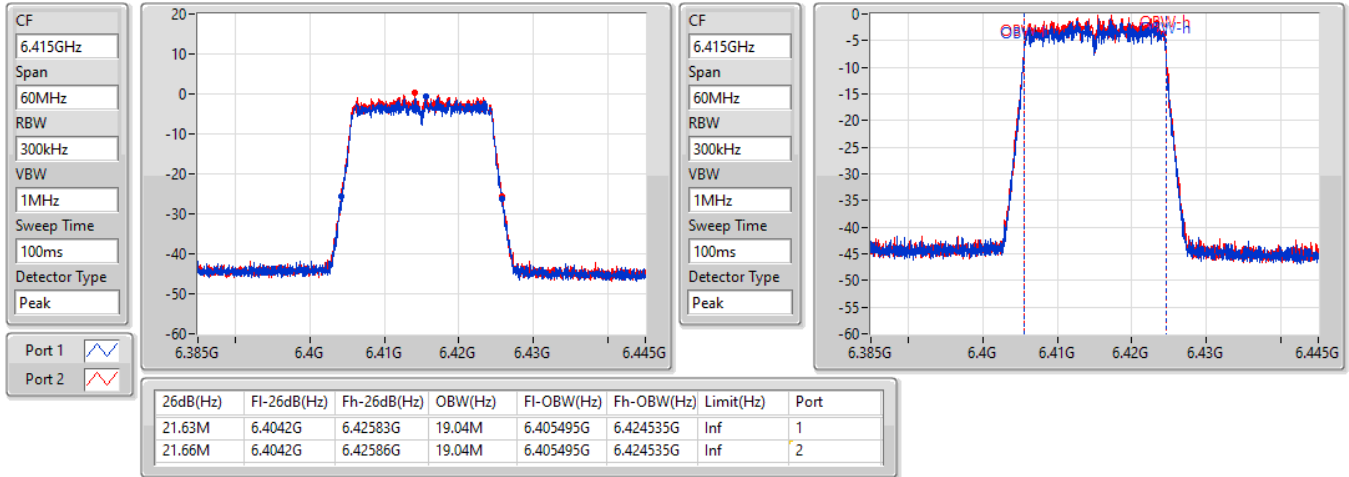


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

6415MHz

23/05/2022

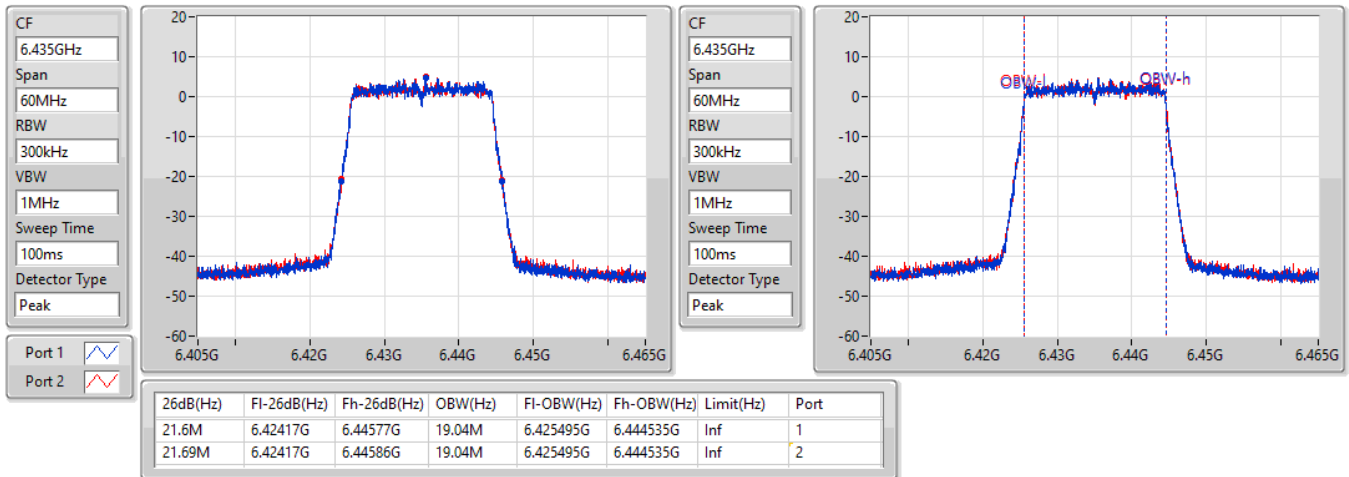


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

6435MHz

23/05/2022

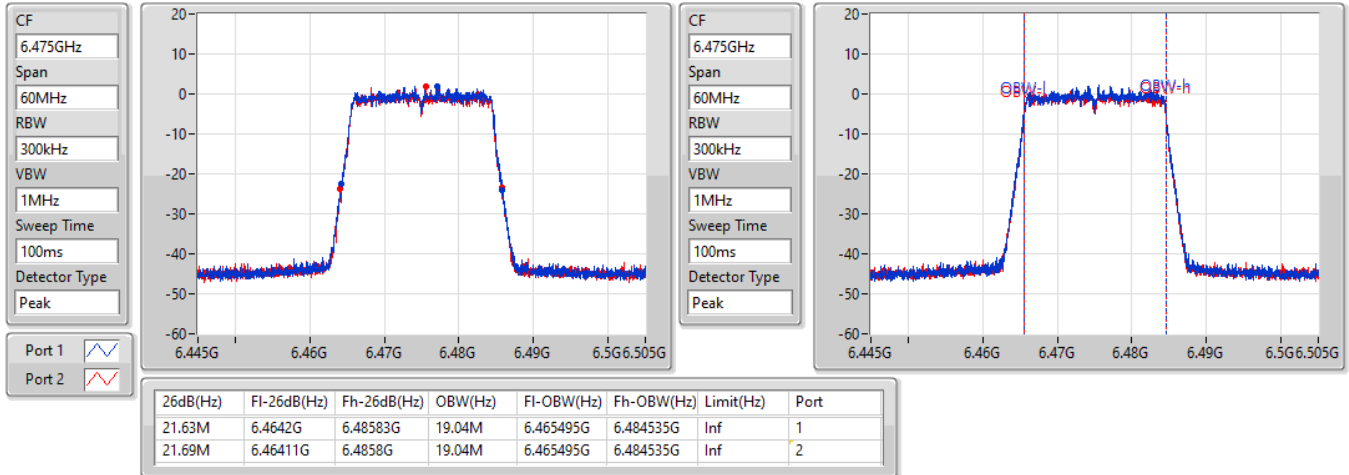


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

6475MHz

23/05/2022

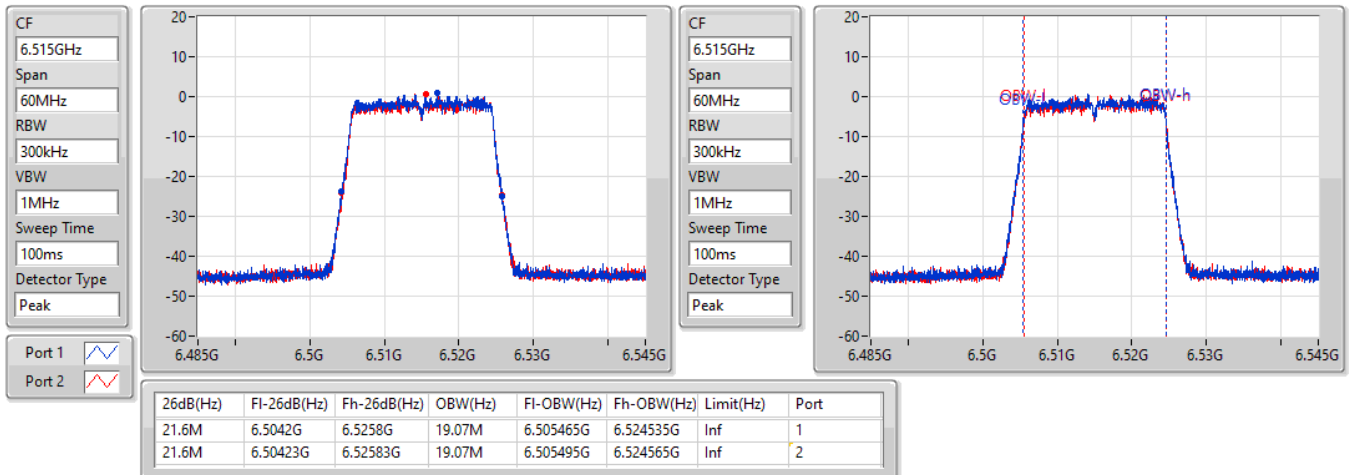


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

6515MHz

23/05/2022

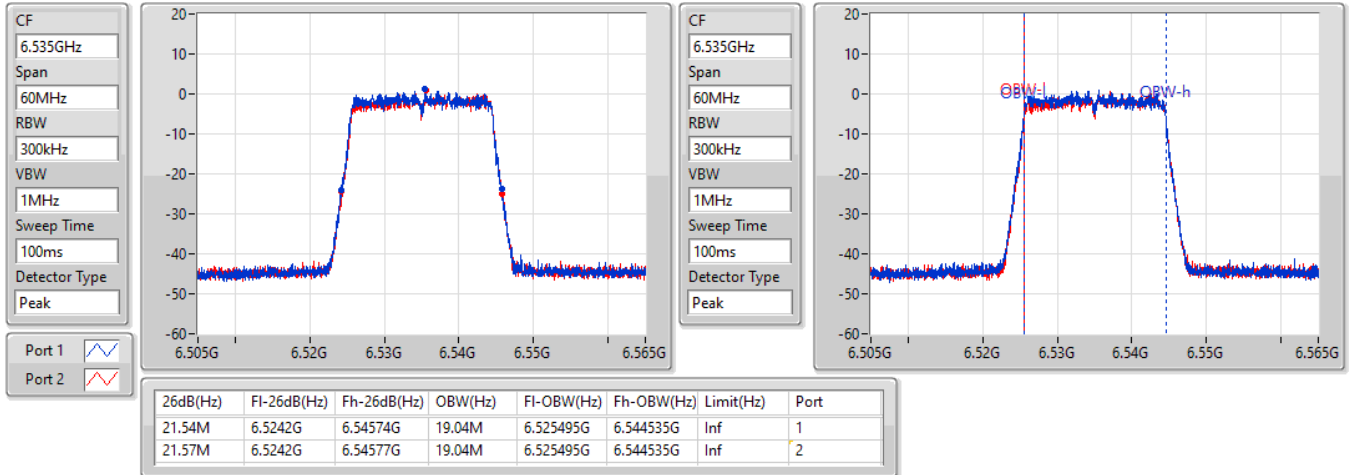


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

6535MHz

23/05/2022

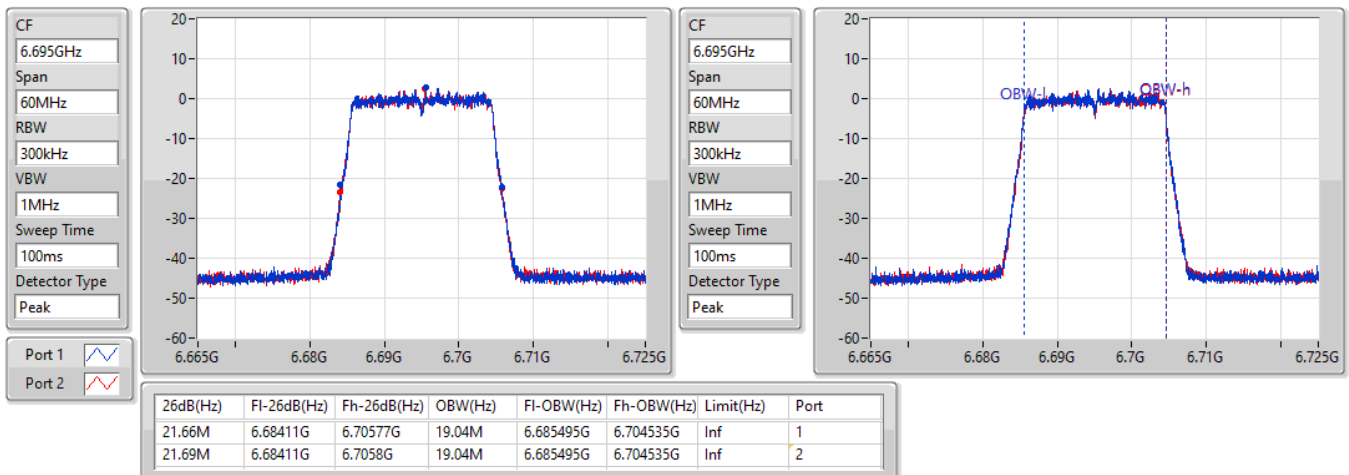


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

6695MHz

23/05/2022

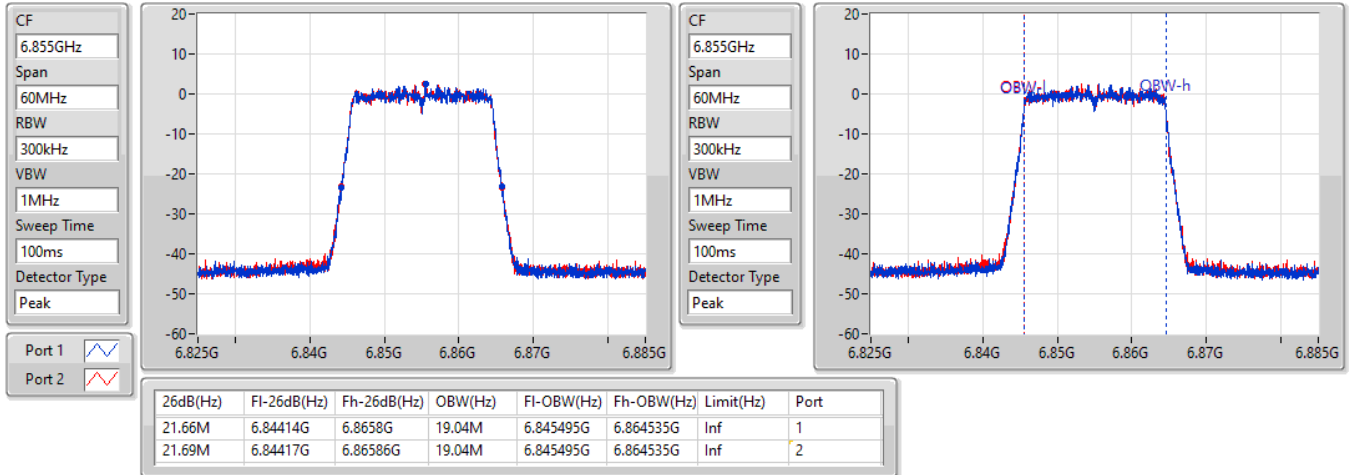


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

6855MHz

23/05/2022

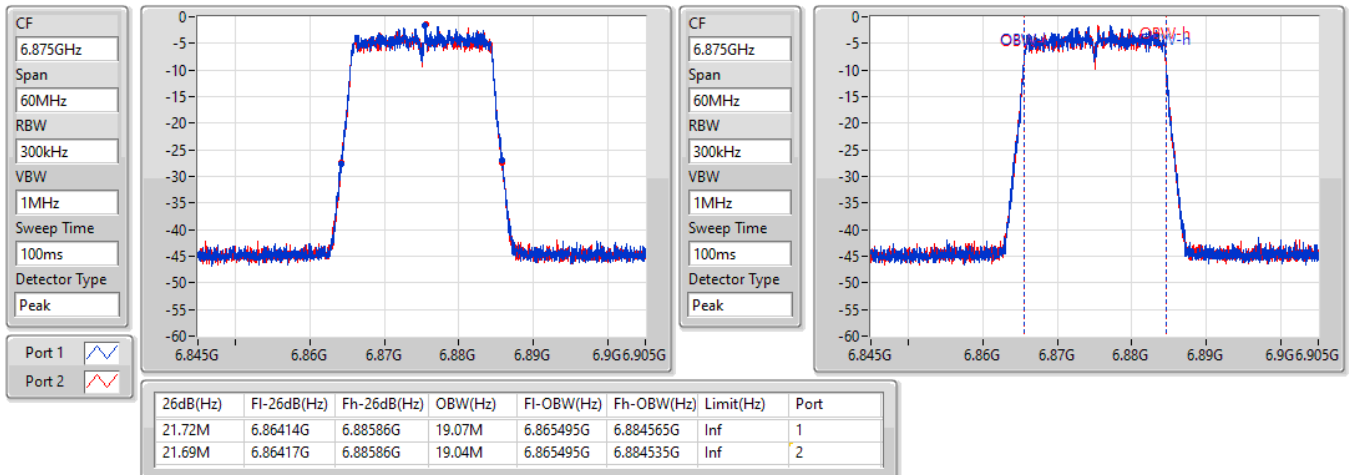


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

6875MHz

23/05/2022

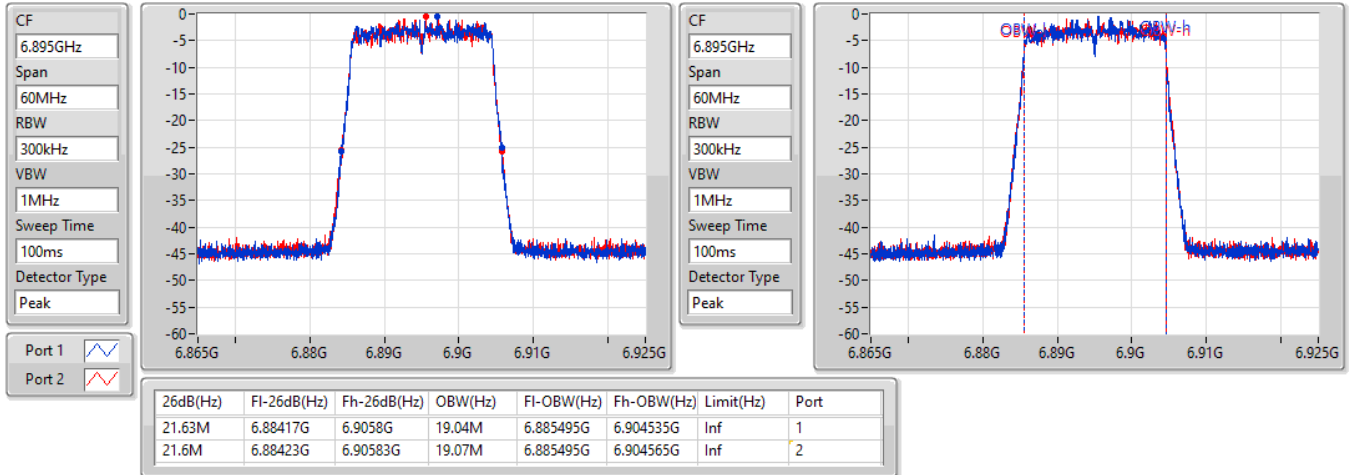


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

6895MHz

23/05/2022

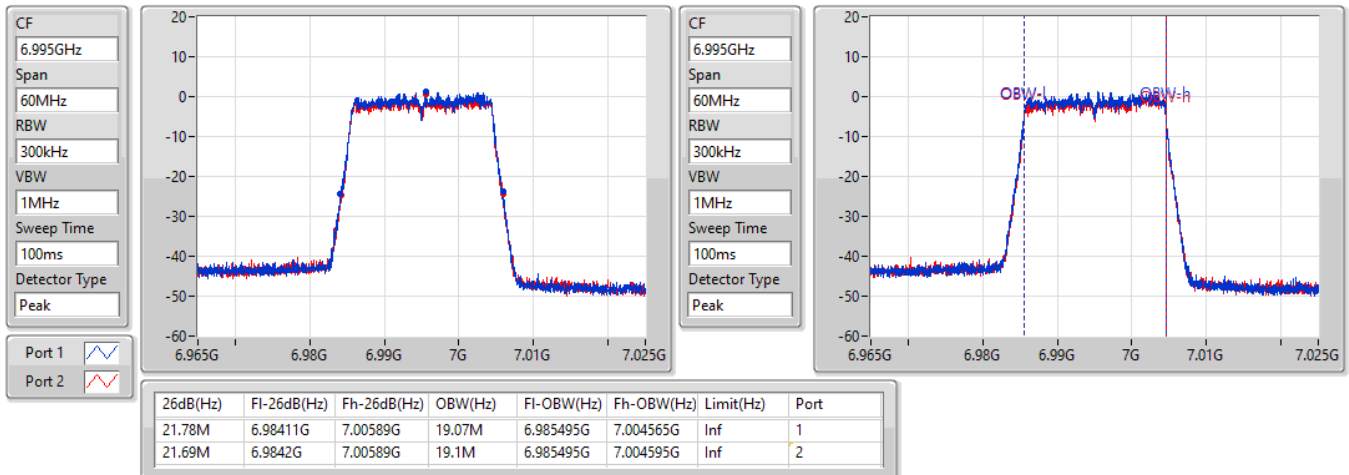


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

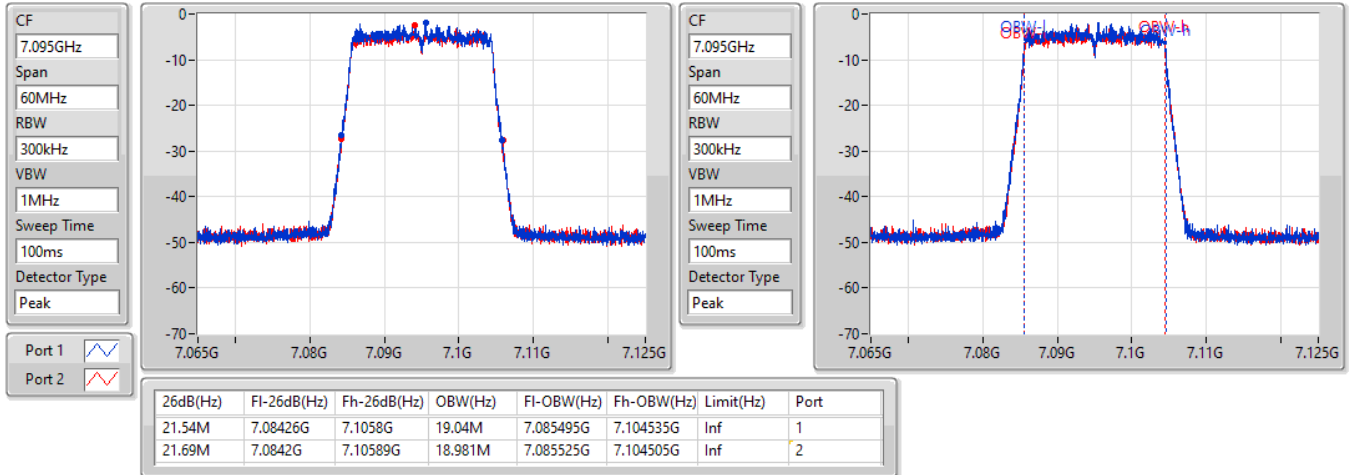
6995MHz

23/05/2022

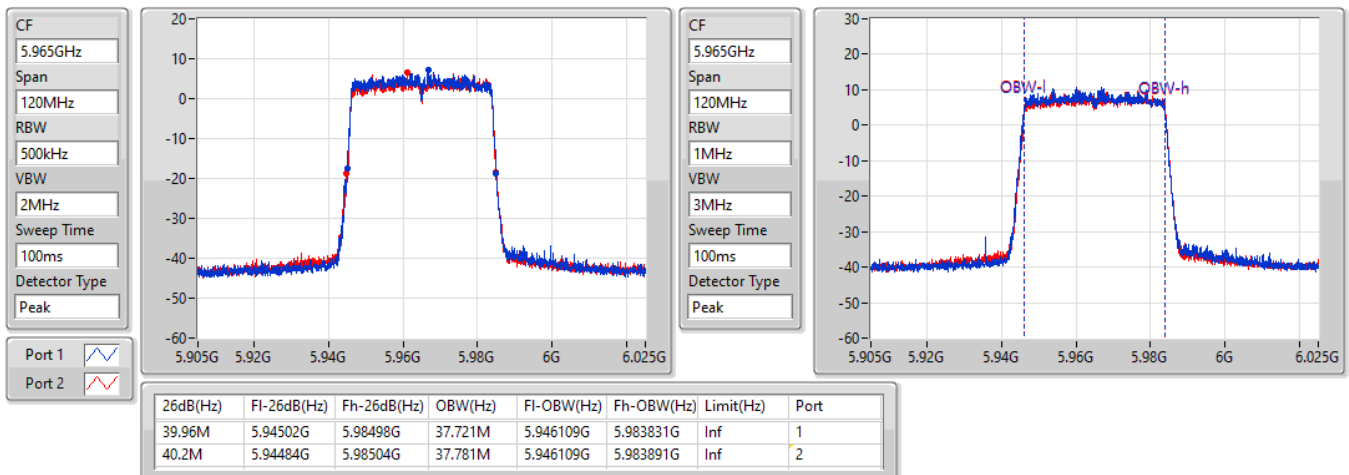


**802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX**
**EBW**
**7095MHz**

23/05/2022


**802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX**
**EBW**
**5965MHz**

23/05/2022

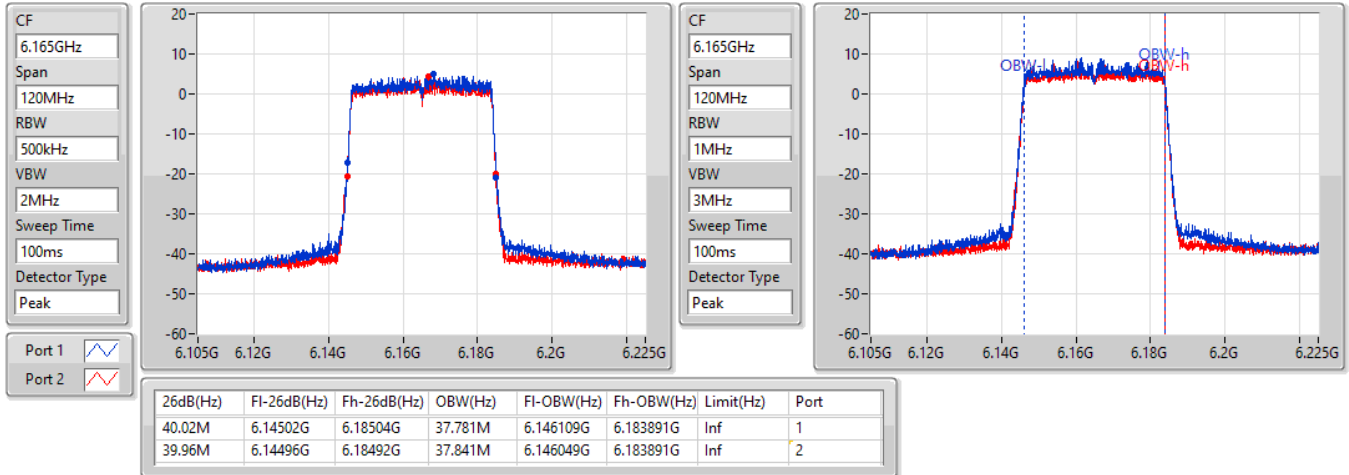


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

6165MHz

23/05/2022

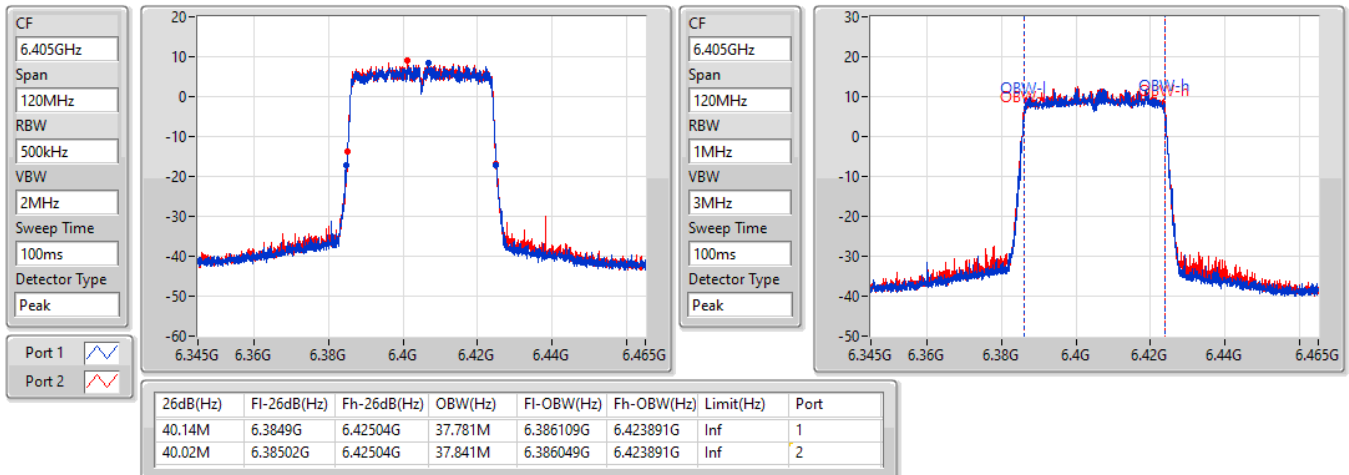


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

6405MHz

23/05/2022

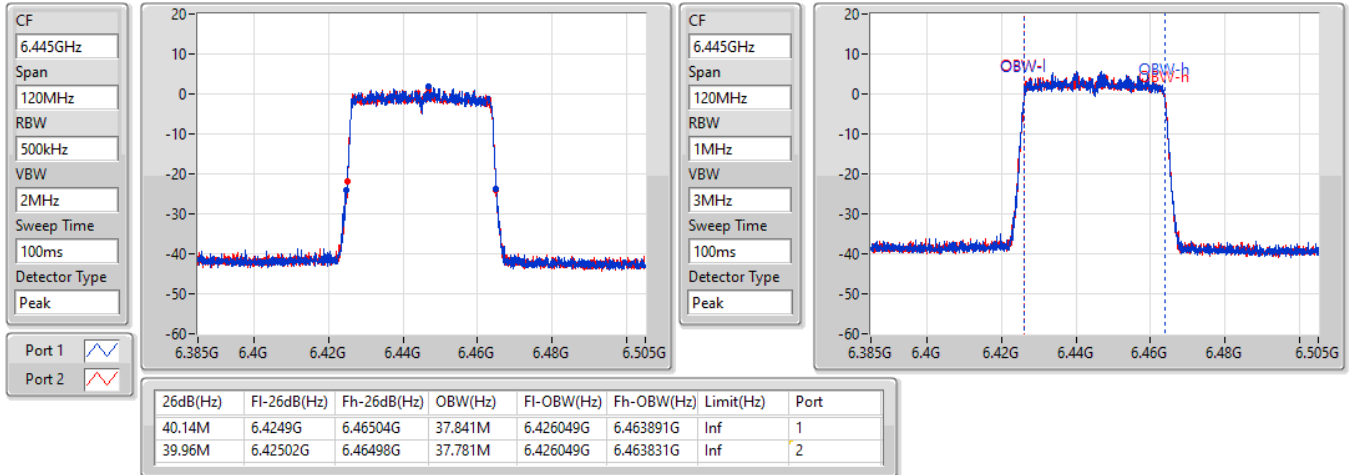


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

6445MHz

23/05/2022

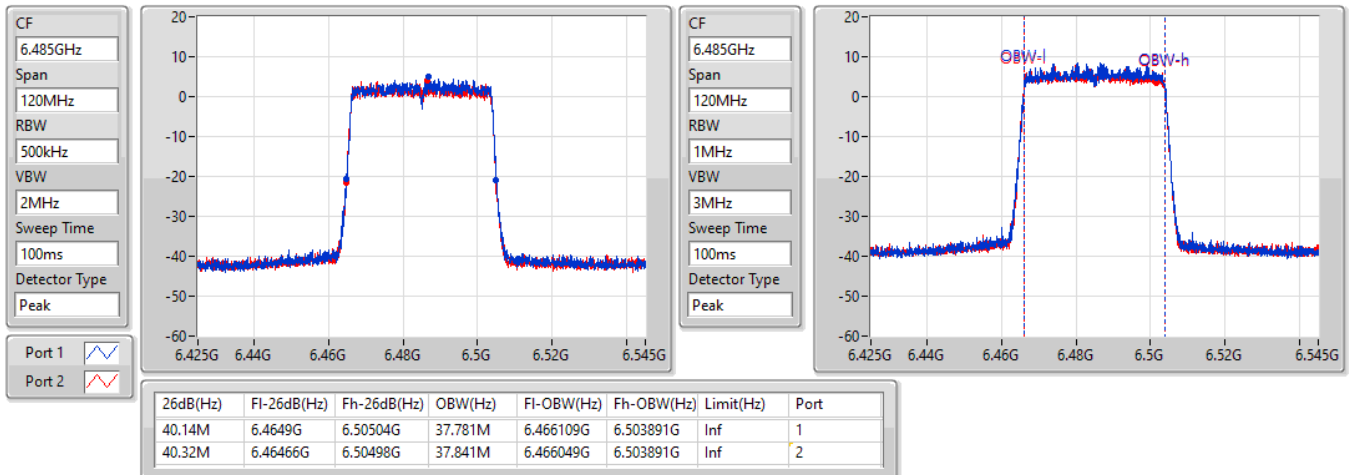


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

6485MHz

23/05/2022

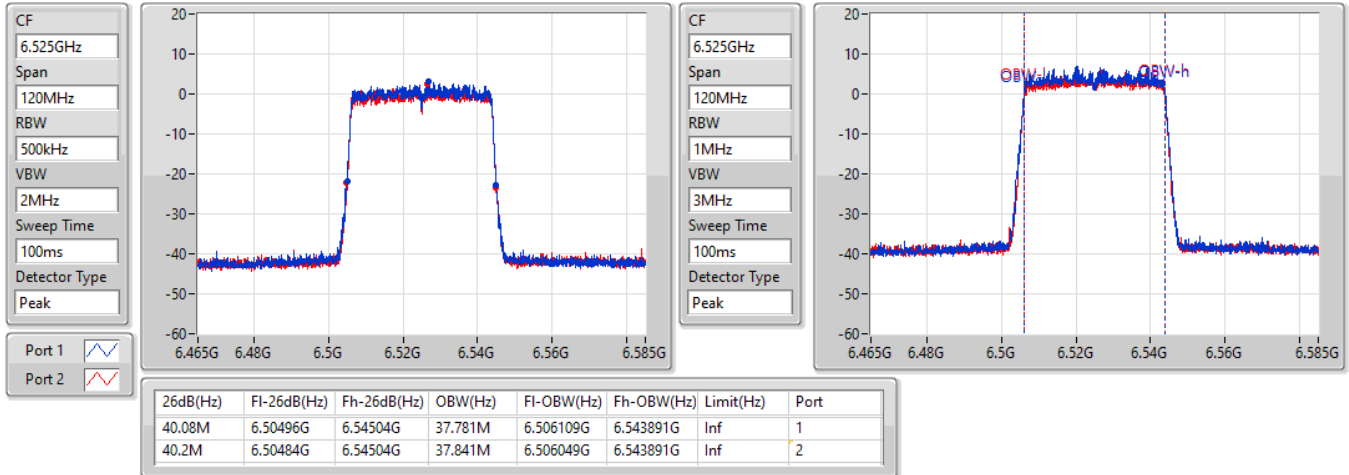


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

6525MHz

23/05/2022

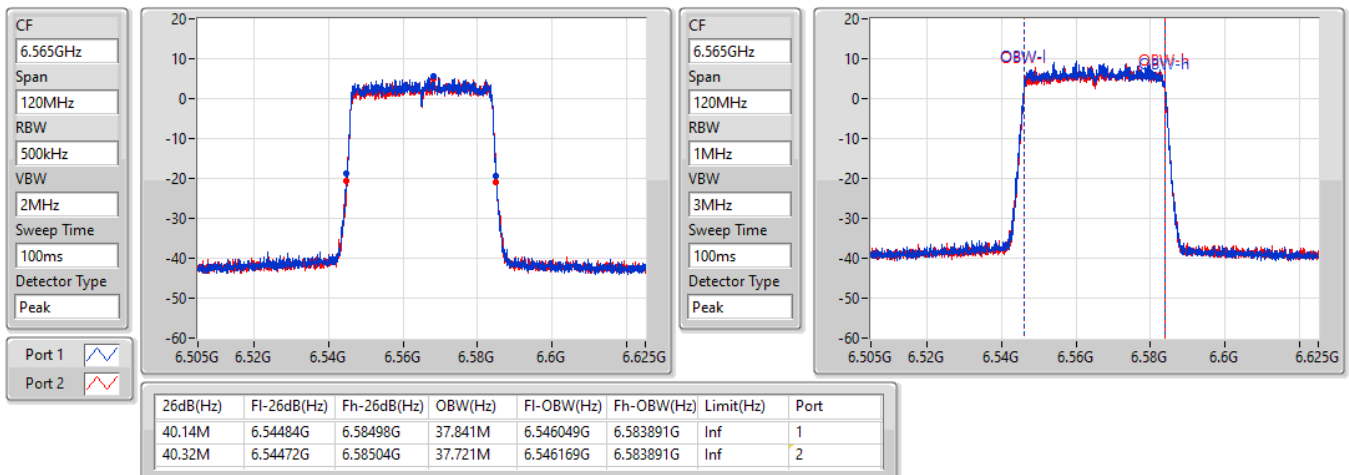


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

6565MHz

23/05/2022

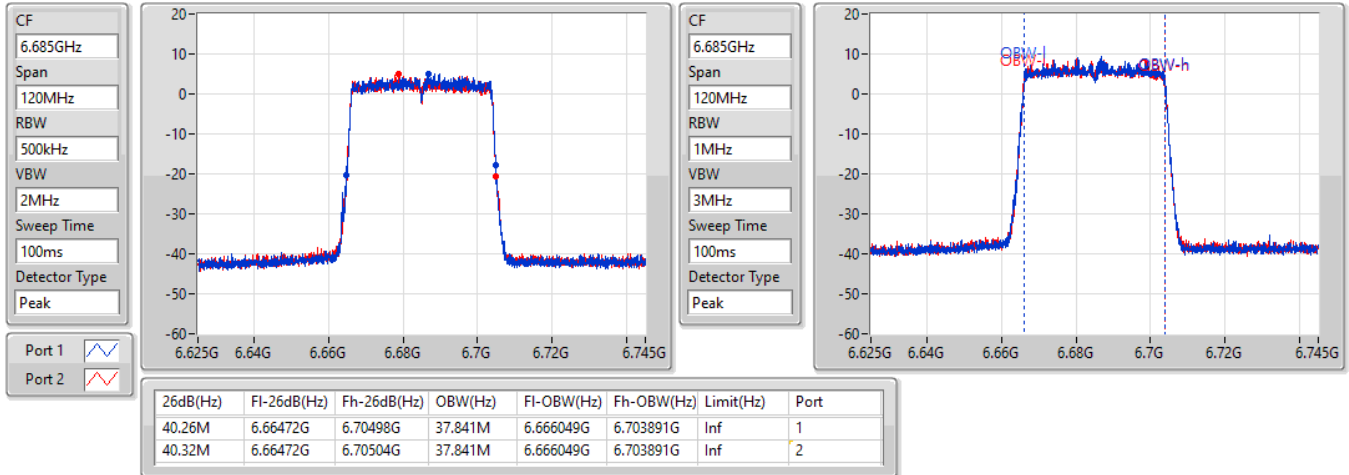


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

6685MHz

23/05/2022

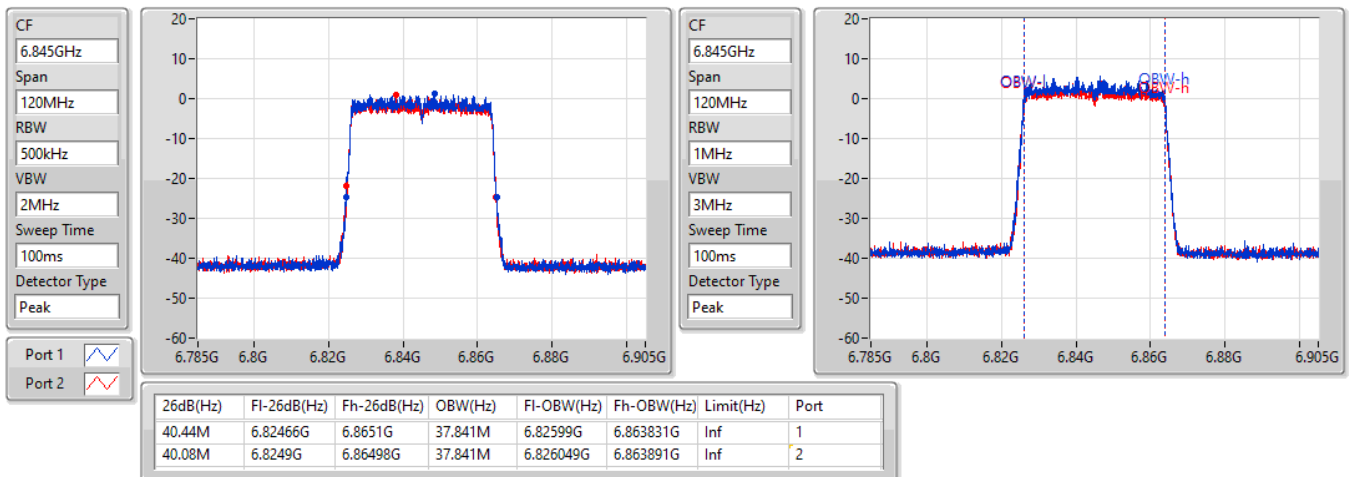


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

6845MHz

23/05/2022

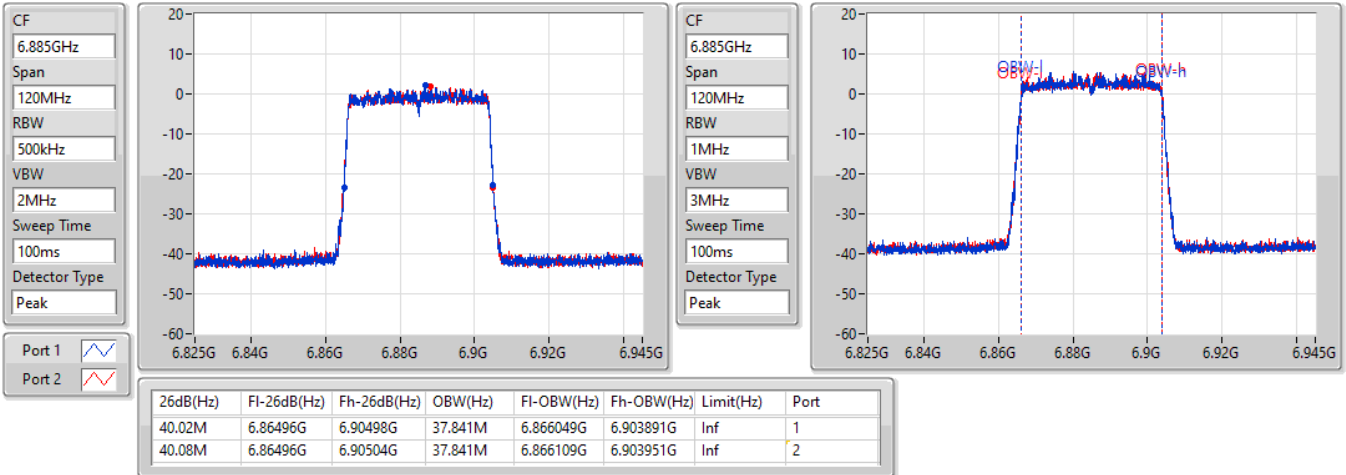


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

6885MHz

23/05/2022

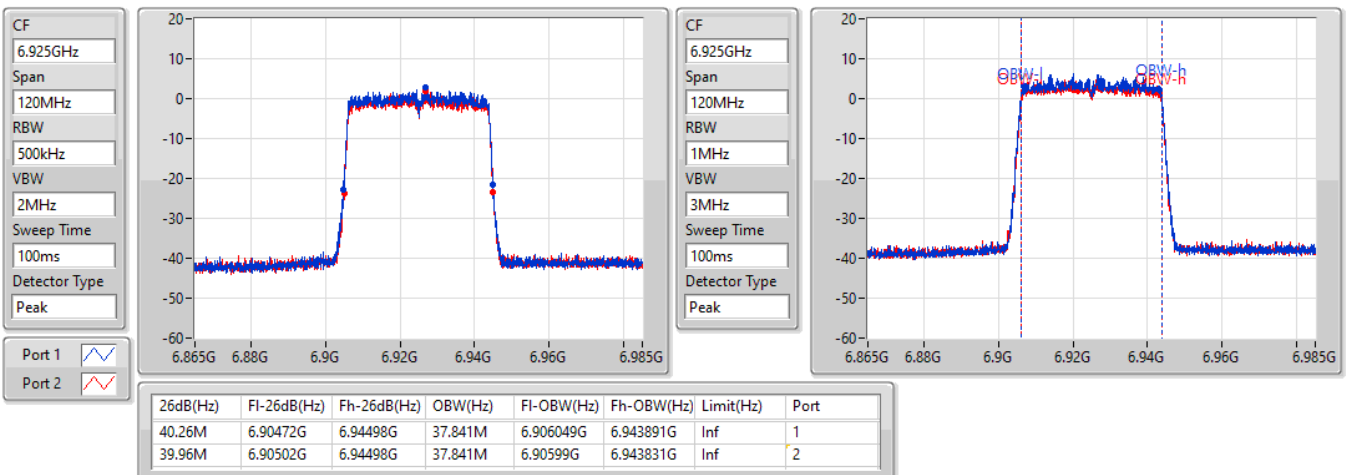


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

6925MHz

23/05/2022

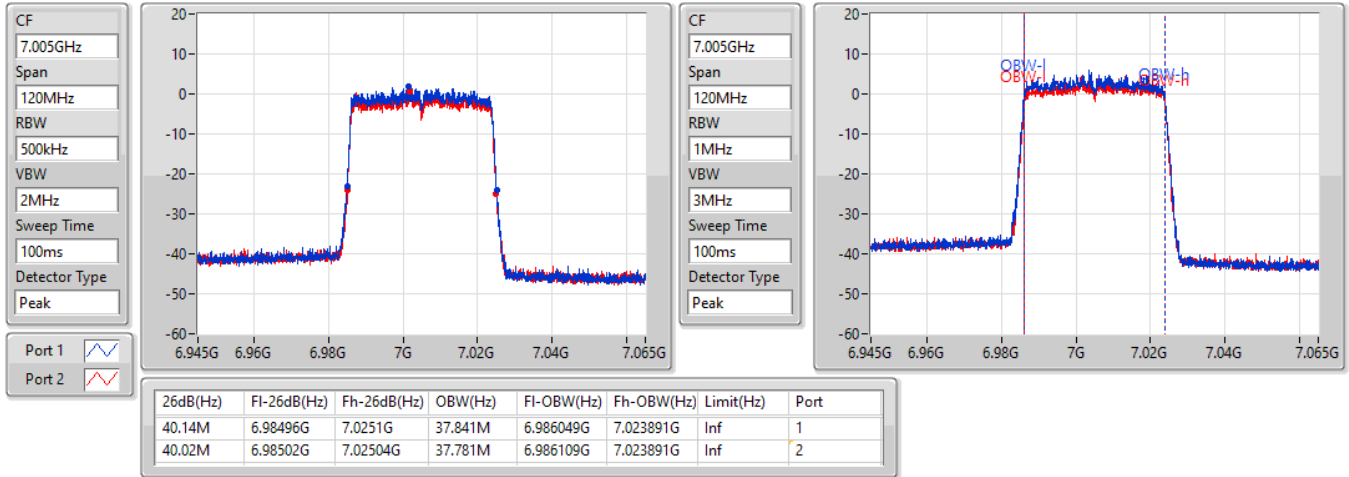


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

7005MHz

23/05/2022

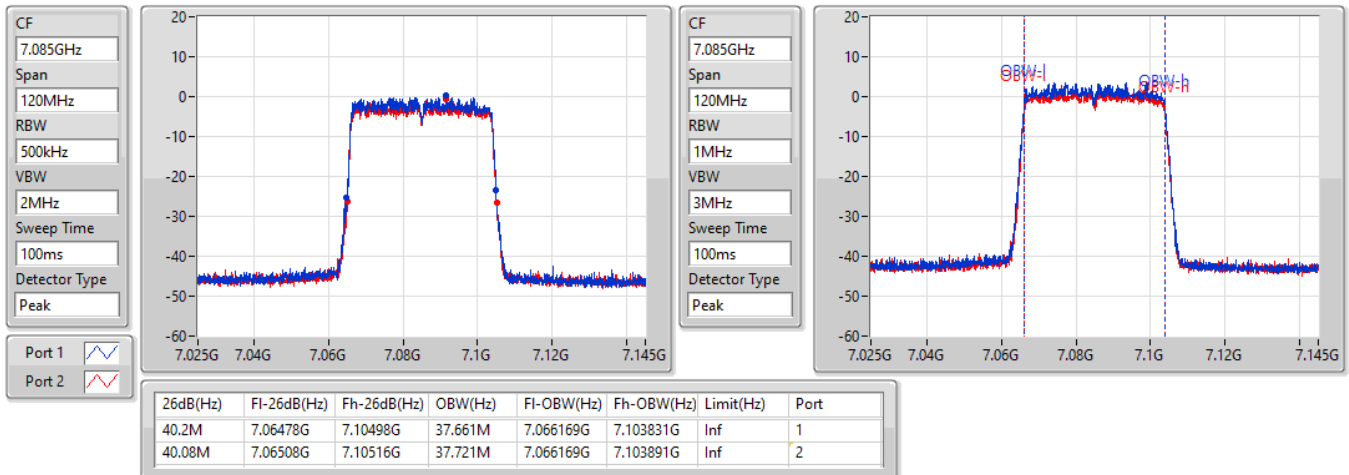


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

7085MHz

23/05/2022

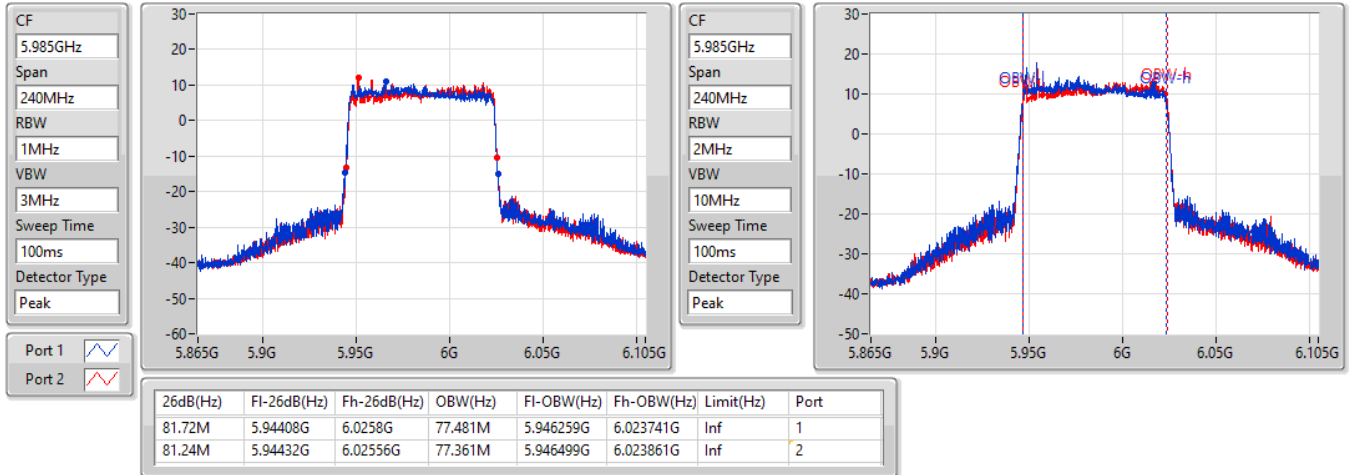


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_2TX

EBW

5985MHz

23/05/2022

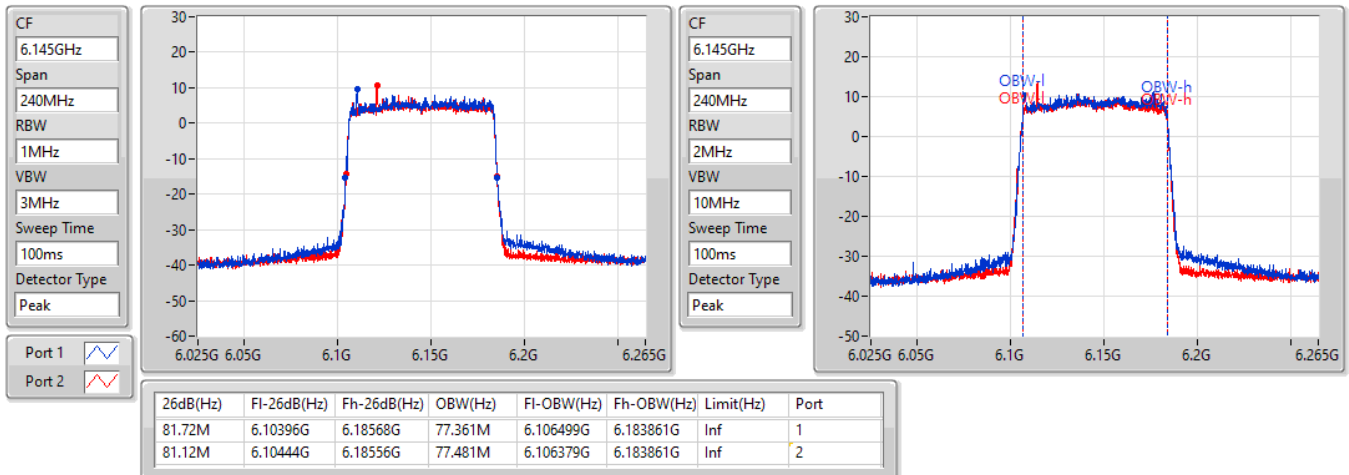


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_2TX

EBW

6145MHz

23/05/2022

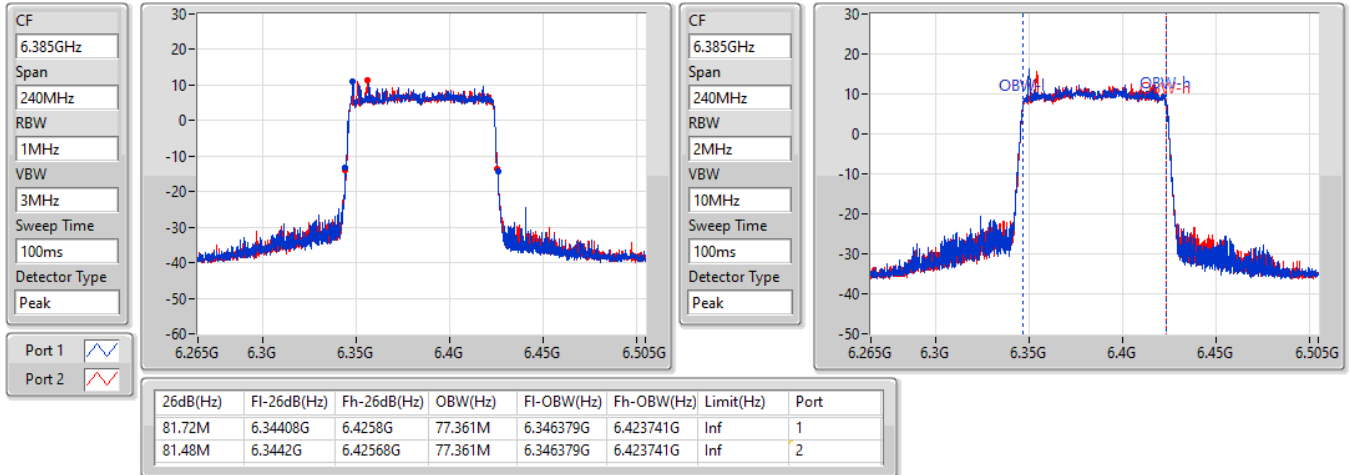


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_2TX

EBW

6385MHz

23/05/2022

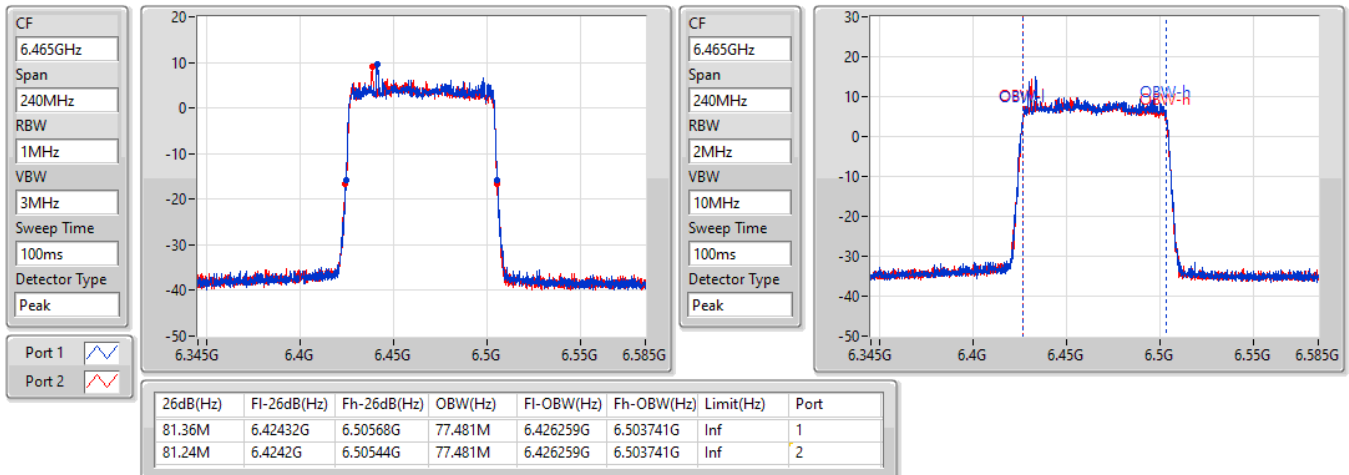


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_2TX

EBW

6465MHz

23/05/2022

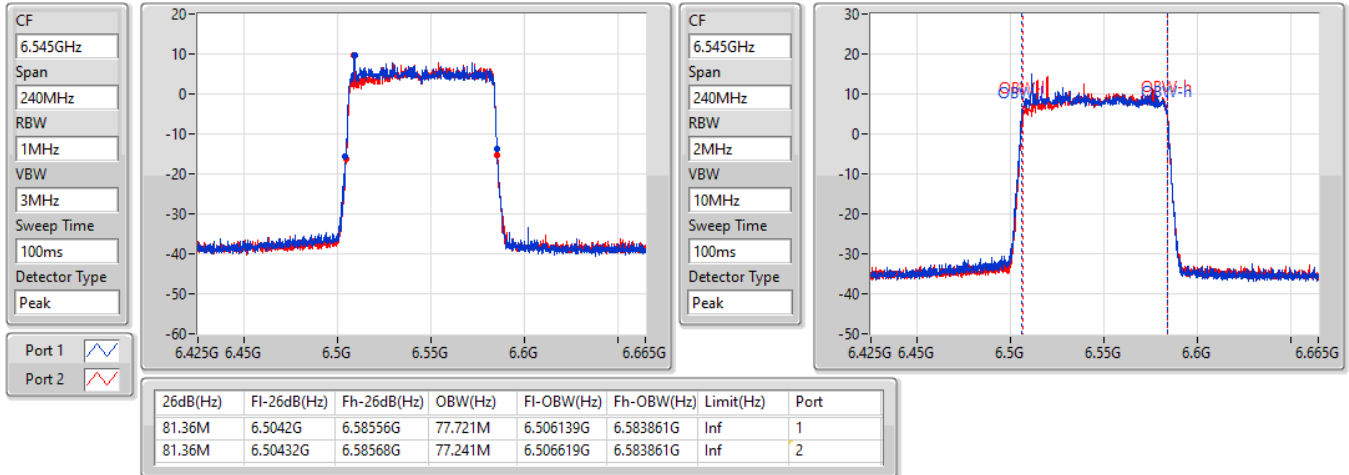


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_2TX

EBW

6545MHz

23/05/2022

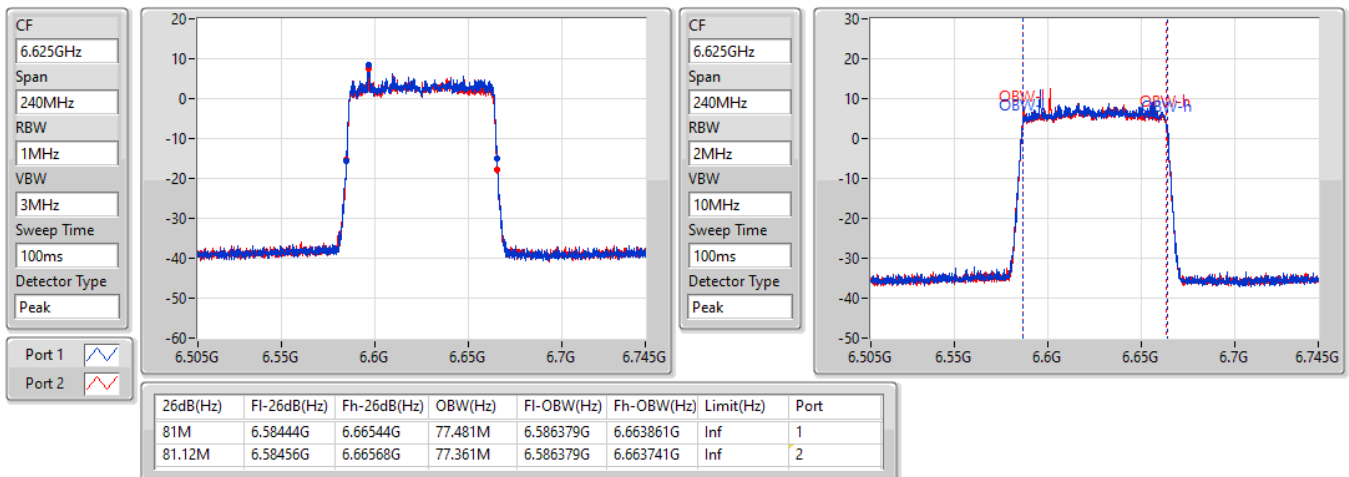


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_2TX

EBW

6625MHz

23/05/2022

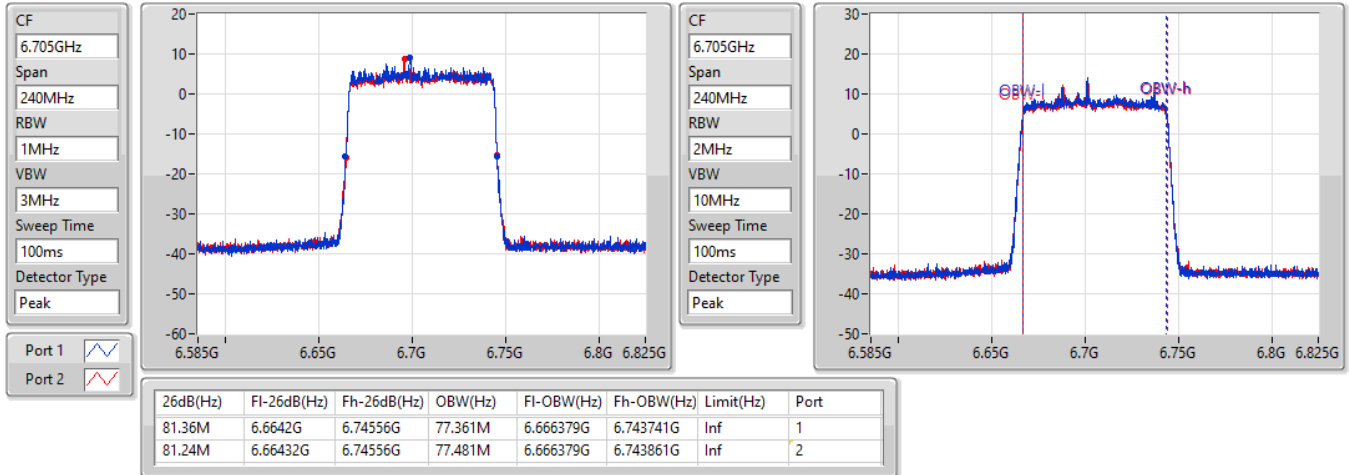


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_2TX

EBW

6705MHz

23/05/2022

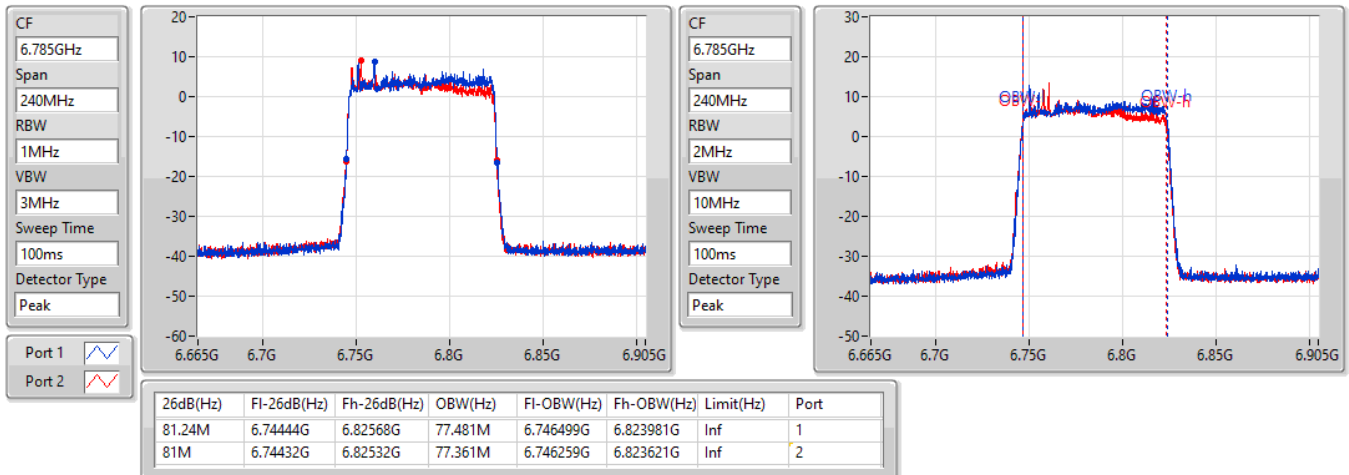


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_2TX

EBW

6785MHz

23/05/2022

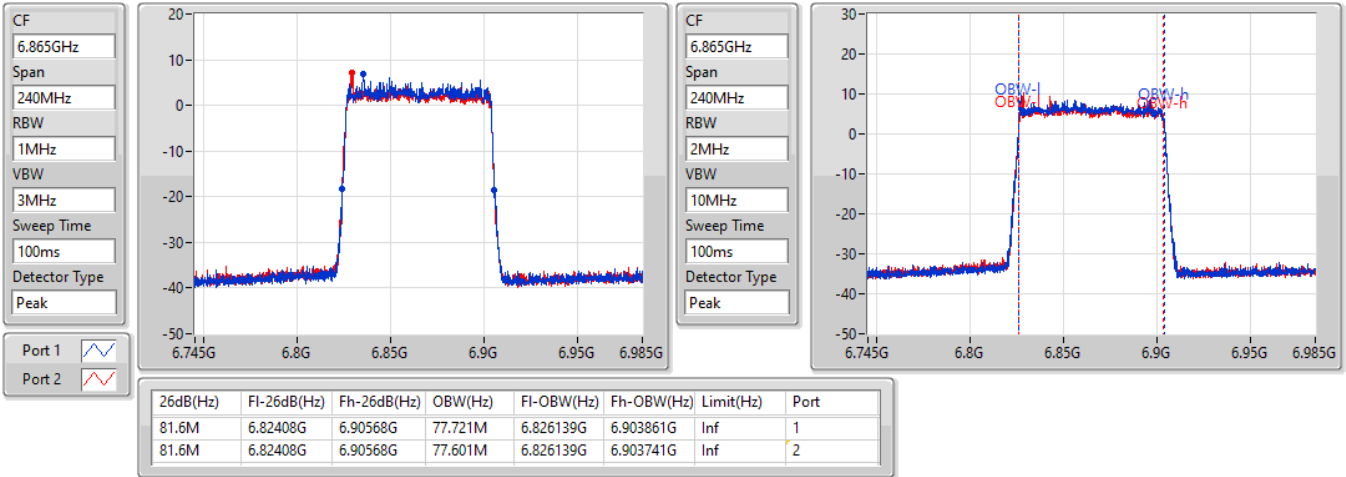


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_2TX

EBW

6865MHz

23/05/2022



## 802.11ax HEW80-BF\_Nss1,(MCS0)\_2TX

EBW

6945MHz

23/05/2022

