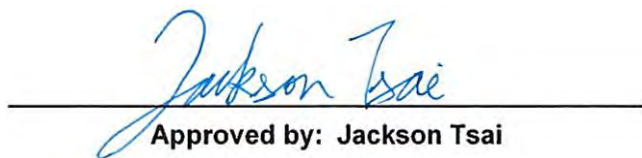


# FCC Radio Test Report

**FCC ID** : RX3-WBU058LGA  
**Equipment** : IEEE 802.11 a/b/g/n/ac/ax 2x2+Bluetooth v5.2 Wireless Adapter  
**Brand Name** : Foxconn  
**Model Name** : WBU058-LGA  
**Applicant** : Hon Hai Precision Industry Co., Ltd.  
No.151, Sec. 1, Nankan Rd., Lujhu Dist., Taoyuan City 33859, Taiwan  
**Manufacturer** : Hon Hai Precision Industry Co., Ltd.  
No.151, Sec. 1, Nankan Rd., Lujhu Dist., Taoyuan City 33859, Taiwan  
**Standard** : 47 CFR FCC Part 15.407

The product was received on Sep. 24, 2021, and testing was started from Oct. 04, 2021 and completed on Nov. 04, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Jackson Tsai

**SPORTON INTERNATIONAL INC. Hsinhua Laboratory**

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



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TEL : 886-3-3273456  
FAX : 886-3-3270973  
Report Template No.: HE1-D1 Ver.4.4  
FCC ID: RX3-WBU058LGA



## 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 Conducted Output Power    | PASS               | -      |
| 3.4           | 15.407(a)        | Peak Power Spectral Density       | PASS               | -      |
| 3.5           | 15.407(b)        | Unwanted Emissions                | PASS               | -      |

**Declaration of Conformity:**

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

**Comments and explanations:**

None

**Reviewed by: Sam Tsai**

**Report Producer: 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 |
|-----------------------|-----------------------------------------|---------------------|----------------|
| 5150-5250             | a, n (HT20), ac (VHT20),<br>ax (HEW 20) | 5180-5240           | 36-48 [4]      |
| 5250-5350             |                                         | 5260-5320           | 52-64 [4]      |
| 5470-5725             |                                         | 5500-5700           | 100-140 [11]   |
| Straddle 5720         |                                         | 5720                | 144 [1]        |
| 5725-5850             |                                         | 5745-5825           | 149-165 [5]    |
| 5150-5250             | n (HT40), ac (VHT40),<br>ax (HEW 40)    | 5190-5230           | 38-46 [2]      |
| 5250-5350             |                                         | 5270-5310           | 54-62 [2]      |
| 5470-5725             |                                         | 5510-5670           | 102-134 [5]    |
| Straddle 5710         |                                         | 5710                | 142 [1]        |
| 5725-5850             |                                         | 5755-5795           | 151-159 [2]    |
| 5150-5250             | ac (VHT80), ax (HEW 80)                 | 5210                | 42 [1]         |
| 5250-5350             |                                         | 5290                | 58 [1]         |
| 5470-5725             |                                         | 5530-5610           | 106-122 [2]    |
| Straddle 5690         |                                         | 5690                | 138 [1]        |
| 5725-5850             |                                         | 5775                | 155 [1]        |

| Band          | Mode           | BWch (MHz) | Nant |
|---------------|----------------|------------|------|
| 5.15-5.25GHz  | 802.11a        | 20         | 2TX  |
| 5.25-5.35GHz  | 802.11a        | 20         | 2TX  |
| 5.47-5.725GHz | 802.11a        | 20         | 2TX  |
| 5.725-5.85GHz | 802.11a        | 20         | 2TX  |
| 5.15-5.25GHz  | 802.11ax HEW20 | 20         | 2TX  |
| 5.25-5.35GHz  | 802.11ax HEW20 | 20         | 2TX  |
| 5.47-5.725GHz | 802.11ax HEW20 | 20         | 2TX  |
| 5.725-5.85GHz | 802.11ax HEW20 | 20         | 2TX  |
| 5.15-5.25GHz  | 802.11ax HEW40 | 40         | 2TX  |
| 5.25-5.35GHz  | 802.11ax HEW40 | 40         | 2TX  |
| 5.47-5.725GHz | 802.11ax HEW40 | 40         | 2TX  |
| 5.725-5.85GHz | 802.11ax HEW40 | 40         | 2TX  |
| 5.15-5.25GHz  | 802.11ax HEW80 | 80         | 2TX  |

| Band          | Mode           | BWch (MHz) | Nant |
|---------------|----------------|------------|------|
| 5.25-5.35GHz  | 802.11ax HEW80 | 80         | 2TX  |
| 5.47-5.725GHz | 802.11ax HEW80 | 80         | 2TX  |
| 5.725-5.85GHz | 802.11ax HEW80 | 80         | 2TX  |

**Note:**

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

**1.1.2 Antenna Information**

| Group | Ant. | Brand   | Model Name      | Antenna Type | Connector | Remark |
|-------|------|---------|-----------------|--------------|-----------|--------|
| A     | 1    | Foxconn | 79012F500-600-G | PIFA         | I-PEX     | WiFi   |
|       | 2    | Foxconn | 79012F500-600-G | PIFA         | I-PEX     |        |
| B     | 3    | Foxconn | 79012F300-600-G | PIFA         | I-PEX     | WiFi   |
|       | 4    | Foxconn | 79012F300-600-G | PIFA         | I-PEX     |        |
| C     | 5    | Foxconn | 79012F400-600-G | PIFA         | I-PEX     | WiFi   |
|       | 6    | Foxconn | 79012F400-600-G | PIFA         | I-PEX     |        |
| D     | 7    | Foxconn | 79012F200-600-G | PIFA         | I-PEX     | BT     |
|       | 8    | Foxconn | 79012F200-600-G | PIFA         | I-PEX     |        |
| E     | 9    | Foxconn | 79012F700-600-G | PIFA         | I-PEX     | BT     |
|       | 10   | Foxconn | 79012F700-600-G | PIFA         | I-PEX     |        |
| F     | 11   | Foxconn | 79012F600-600-G | PIFA         | I-PEX     | BT     |
|       | 12   | Foxconn | 79012F600-600-G | PIFA         | I-PEX     |        |

| Ant. | Port | Gain (dBi) |        |         |         |        |       |
|------|------|------------|--------|---------|---------|--------|-------|
|      |      | 2.4G       | UNII-1 | UNII-2A | UNII-2C | UNII-3 | BT    |
| 1    | 1    | 1.62       | 3.22   | 3.22    | 3.58    | 3.39   | -     |
| 2    | 2    | 1.62       | 3.22   | 3.22    | 3.58    | 3.39   | -     |
| 3    | 1    | -0.73      | 1.83   | 1.83    | 2.56    | 2.45   | -     |
| 4    | 2    | -0.73      | 1.83   | 1.83    | 2.56    | 2.45   | -     |
| 5    | 1    | 0.51       | 2.32   | 2.32    | 2.21    | 2.07   | -     |
| 6    | 2    | 0.51       | 2.32   | 2.32    | 2.21    | 2.07   | -     |
| 7    | 1    | -          | -      | -       | -       | -      | 0.09  |
| 8    | 2    | -          | -      | -       | -       | -      | 0.09  |
| 9    | 1    | -          | -      | -       | -       | -      | 0.78  |
| 10   | 2    | -          | -      | -       | -       | -      | 0.78  |
| 11   | 1    | -          | -      | -       | -       | -      | -0.02 |
| 12   | 2    | -          | -      | -       | -       | -      | -0.02 |

Note 1: The EUT has twelve antennas.

Note 2: EUT can match with above antennas for using. Higher gain (Group A and Group E) in each group of antenna was used to perform the worst configuration and result of that was recorded as the final test result.

**For 2.4GHz function:**

For IEEE 802.11 b/g/n/ax mode (2TX/2RX)

Port 1 and port 2 could transmit/receive simultaneously.

**For BT function:**

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Support diversity function and pre-tested on each single chain, the worst case was Ant. 9(port 1) and it was recorded in this test report.

**For 5GHz function:**

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

Port 1 and port 2 could transmit/receive simultaneously.

### 1.1.3 EUT Information

| Operational Condition               |                                                                               |                                                         |  |
|-------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------|--|
| <b>EUT Power Type</b>               | From DC Power supply                                                          |                                                         |  |
| <b>EUT Function</b>                 | <input type="checkbox"/> Outdoor AP                                           | <input type="checkbox"/> Indoor AP                      |  |
|                                     | <input type="checkbox"/> Fixed P2P AP                                         | <input checked="" type="checkbox"/> Client              |  |
| <b>Beamforming Function</b>         | <input type="checkbox"/> With beamforming                                     | <input checked="" type="checkbox"/> Without beamforming |  |
| <b>TPC Function</b>                 | <input checked="" type="checkbox"/> With TPC Function                         | <input type="checkbox"/> Without TPC Function           |  |
| <b>Weather Band</b>                 | <input checked="" type="checkbox"/> With 5600~5650MHz                         | <input type="checkbox"/> Without 5600~5650MHz           |  |
| <b>Resource Unit(802.11ax)</b>      | <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:                                                                        |                                                         |  |

### 1.1.4 Mode Test Duty Cycle

| Mode                           | DC    | DCF(dB) | T(s)     | VBW(Hz) ≥ 1/T |
|--------------------------------|-------|---------|----------|---------------|
| 802.11a_Nss1,(6Mbps)_2TX       | 0.675 | 1.71    | 708.438u | 3k            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 0.47  | 3.28    | 312.5u   | 10k           |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 0.466 | 3.32    | 310.938u | 10k           |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 0.439 | 3.58    | 297.188u | 10k           |

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

## 1.2 Testing Applied Standards

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

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

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

- ♦ KDB 662911 D01 v02r01
- ♦ KDB 414788 D01 v01r01

## 1.3 Testing Location Information

| Test Lab. : Sporton International Inc. Hsinhua Laboratory  |                                                                                         |               |                      |                         |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------|----------------------|-------------------------|
| <input checked="" type="checkbox"/> Hsinhua<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                                              | CO04-HY                                                                                 | Edward Wang   | 22.3~24.4°C / 54~58% | 15/Oct/2021             |
| RF Conducted                                               | TH06-HY                                                                                 | Alan Chien    | 20.1~26.9°C / 50~60% | 04/Oct/2021~04/Nov/2021 |
| Radiated                                                   | 03CH03-HY                                                                               | Edward Wang   | 22.3~24.7°C / 53~60% | 06/Oct/2021~15/Oct/2021 |
| <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                   |
|--------------------------------------|-------------|--------------------------|
| Conducted Emission (150kHz ~ 30MHz)  | 0.9 dB      | Confidence levels of 95% |
| Radiated Emission (9kHz ~ 30MHz)     | 2.4 dB      | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 3.7 dB      | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz)     | 3.6 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)    | 3.5 dB      | Confidence levels of 95% |
| Conducted Emission                   | 1.0 dB      | Confidence levels of 95% |
| Temperature                          | 0.41 °C     | Confidence levels of 95% |
| Humidity                             | 3.4 %       | Confidence levels of 95% |

## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

| Test Software Version          | QATool_Dbgv0.0.2.39 |
|--------------------------------|---------------------|
| Mode                           | Power Setting       |
| 802.11a_Nss1,(6Mbps)_2TX       | -                   |
| 5180MHz                        | 7                   |
| 5200MHz                        | 7                   |
| 5240MHz                        | 8                   |
| 5260MHz                        | 8.5                 |
| 5300MHz                        | 9                   |
| 5320MHz                        | 9                   |
| 5500MHz                        | 8                   |
| 5580MHz                        | 8.5                 |
| 5700MHz                        | 8                   |
| 5720MHz Straddle 5.47-5.725GHz | 8.5                 |
| 5720MHz Straddle 5.725-5.85GHz | 8.5                 |
| 5745MHz                        | 8                   |
| 5785MHz                        | 8                   |
| 5825MHz                        | 7                   |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -                   |
| 5180MHz                        | 7.5                 |
| 5200MHz                        | 7.5                 |
| 5240MHz                        | 8.5                 |
| 5260MHz                        | 9                   |
| 5300MHz                        | 9                   |
| 5320MHz                        | 9                   |
| 5500MHz                        | 8                   |
| 5580MHz                        | 9                   |
| 5700MHz                        | 8.5                 |
| 5720MHz Straddle 5.47-5.725GHz | 8                   |
| 5720MHz Straddle 5.725-5.85GHz | 8                   |
| 5745MHz                        | 8.5                 |
| 5785MHz                        | 8.5                 |



| Mode                           | Power Setting |
|--------------------------------|---------------|
| 5825MHz                        | 7             |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -             |
| 5190MHz                        | 8             |
| 5230MHz                        | 9             |
| 5270MHz                        | 9.5           |
| 5310MHz                        | 10            |
| 5510MHz                        | 8.5           |
| 5550MHz                        | 10            |
| 5670MHz                        | 8.5           |
| 5710MHz Straddle 5.47-5.725GHz | 8.5           |
| 5710MHz Straddle 5.725-5.85GHz | 8.5           |
| 5755MHz                        | 9             |
| 5795MHz                        | 9             |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | -             |
| 5210MHz                        | 9             |
| 5290MHz                        | 11            |
| 5530MHz                        | 9.5           |
| 5610MHz                        | 9.5           |
| 5690MHz Straddle 5.47-5.725GHz | 10            |
| 5690MHz Straddle 5.725-5.85GHz | 10            |
| 5775MHz                        | 10.5          |

## 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                                                   | DC Power Supply mode                                                                    |

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

| The Worst Case Mode for Following Conformance Tests |                                                                                                                                                                                                                                                     |                                                                                      |                                                                                       |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | 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                                                   | DC Power Supply 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                                                                                     |

| The Worst Case Mode for Following Conformance Tests                                |                                    |
|------------------------------------------------------------------------------------|------------------------------------|
| <b>Tests Item</b>                                                                  | Simultaneous Transmission Analysis |
| <b>Operating Mode</b>                                                              | CTX                                |
| 1                                                                                  | 2.4GHz WLAN+Bluetooth              |
| 2                                                                                  | 5GHz WLAN+Bluetooth                |
| 3                                                                                  | 6GHz WLAN+Bluetooth                |
| Refer to Sporton Test Report No.: FA192341 for Co-location RF Exposure Evaluation. |                                    |

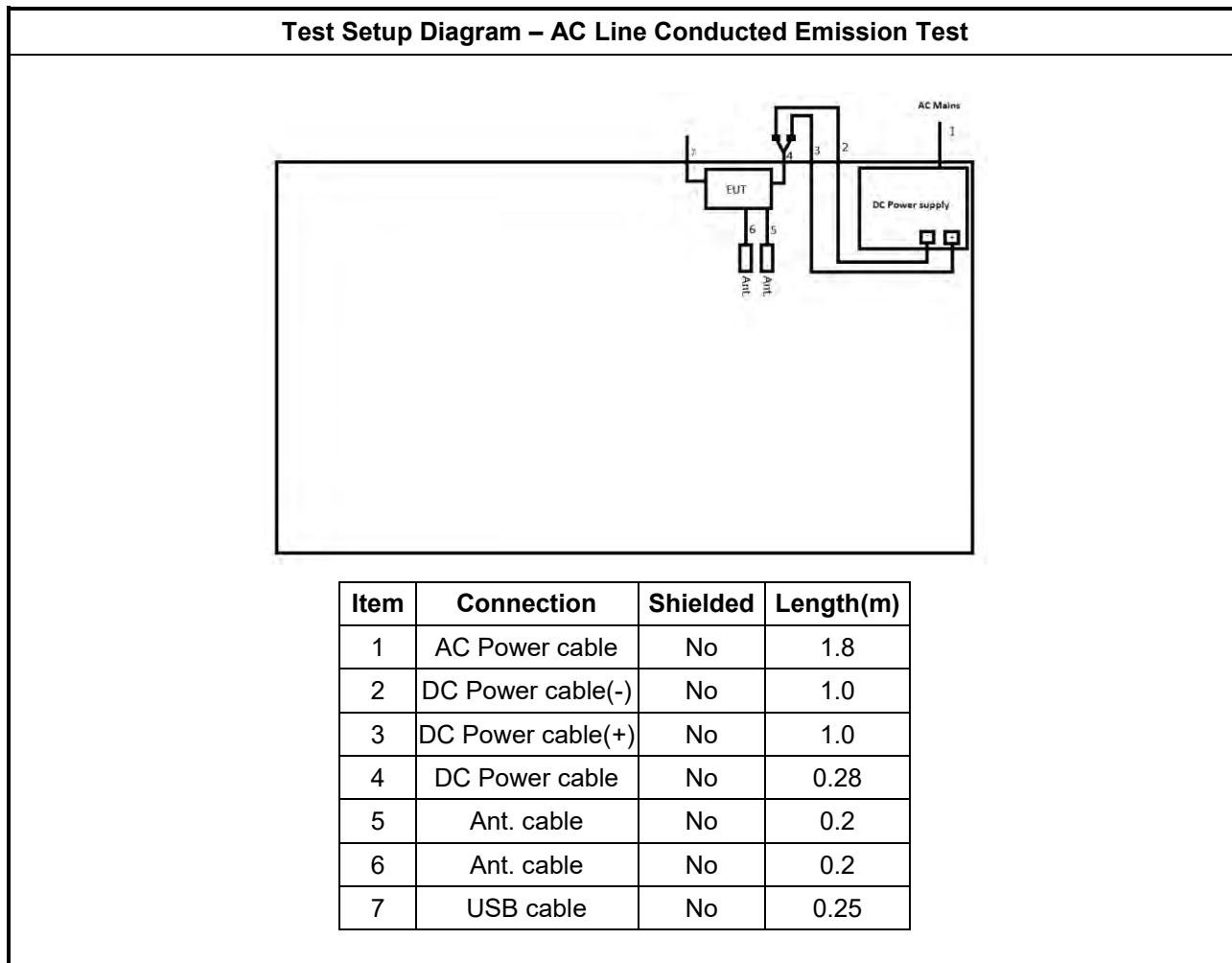
## 2.3 Support Equipment

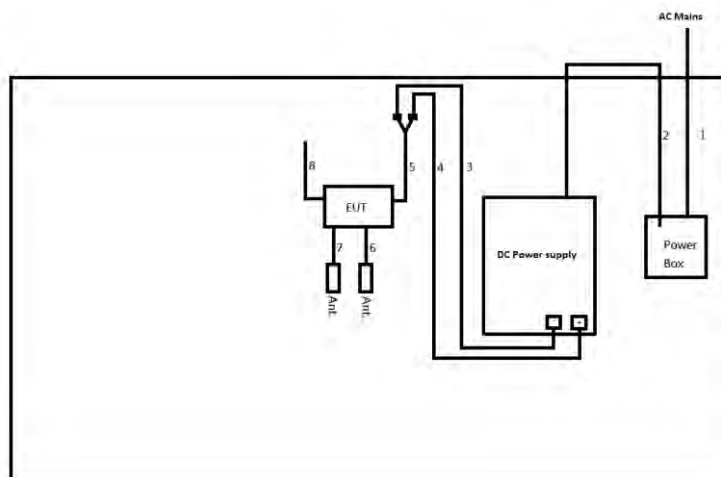
| Support Equipment – AC Conduction |                       |            |               |        |        |
|-----------------------------------|-----------------------|------------|---------------|--------|--------|
| No.                               | Equipment             | Brand Name | Model Name    | FCC ID | Remark |
| 1                                 | DC Power Supply       | GW         | GPS-3030DD    | -      | -      |
| 2                                 | DC Power cable(Red)   | MiSUMi     | WTN1228-RED   | -      | -      |
| 3                                 | DC Power cable(Black) | MiSUMi     | WTN1228-BLACK | -      | -      |

| Support Equipment – Conducted |                       |            |               |        |        |
|-------------------------------|-----------------------|------------|---------------|--------|--------|
| No.                           | Equipment             | Brand Name | Model Name    | FCC ID | Remark |
| 1                             | Notebook              | DELL       | E5410         | -      | -      |
| 2                             | Adapter for NB        | DELL       | HA65NM130     | -      | -      |
| 3                             | DC Power Supply       | GW         | GPS-3030DD    | -      | -      |
| 4                             | DC Power cable(Red)   | MiSUMi     | WTN1228-RED   | -      | -      |
| 5                             | DC Power cable(Black) | MiSUMi     | WTN1228-BLACK | -      | -      |

| Support Equipment – Radiated |                       |            |               |        |        |
|------------------------------|-----------------------|------------|---------------|--------|--------|
| No.                          | Equipment             | Brand Name | Model Name    | FCC ID | Remark |
| 1                            | DC Power Supply       | GW         | GPS-3030DD    | -      | -      |
| 2                            | DC Power cable(Red)   | MiSUMi     | WTN1228-RED   | -      | -      |
| 3                            | DC Power cable(Black) | MiSUMi     | WTN1228-BLACK | -      | -      |

## 2.4 Test Setup Diagram



**Test Setup Diagram - Radiated Test**


| Item | Connection        | Shielded | Length(m) |
|------|-------------------|----------|-----------|
| 1    | AC Power cable    | No       | 1.8       |
| 2    | AC Power cable    | No       | 1.8       |
| 3    | DC Power cable(-) | No       | 1.0       |
| 4    | DC Power cable(+) | No       | 1.0       |
| 5    | DC Power cable    | Yes      | 0.28      |
| 6    | Ant. cable        | No       | 0.2       |
| 7    | Ant. cable        | No       | 0.2       |
| 8    | USB cable         | No       | 0.25      |

### 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

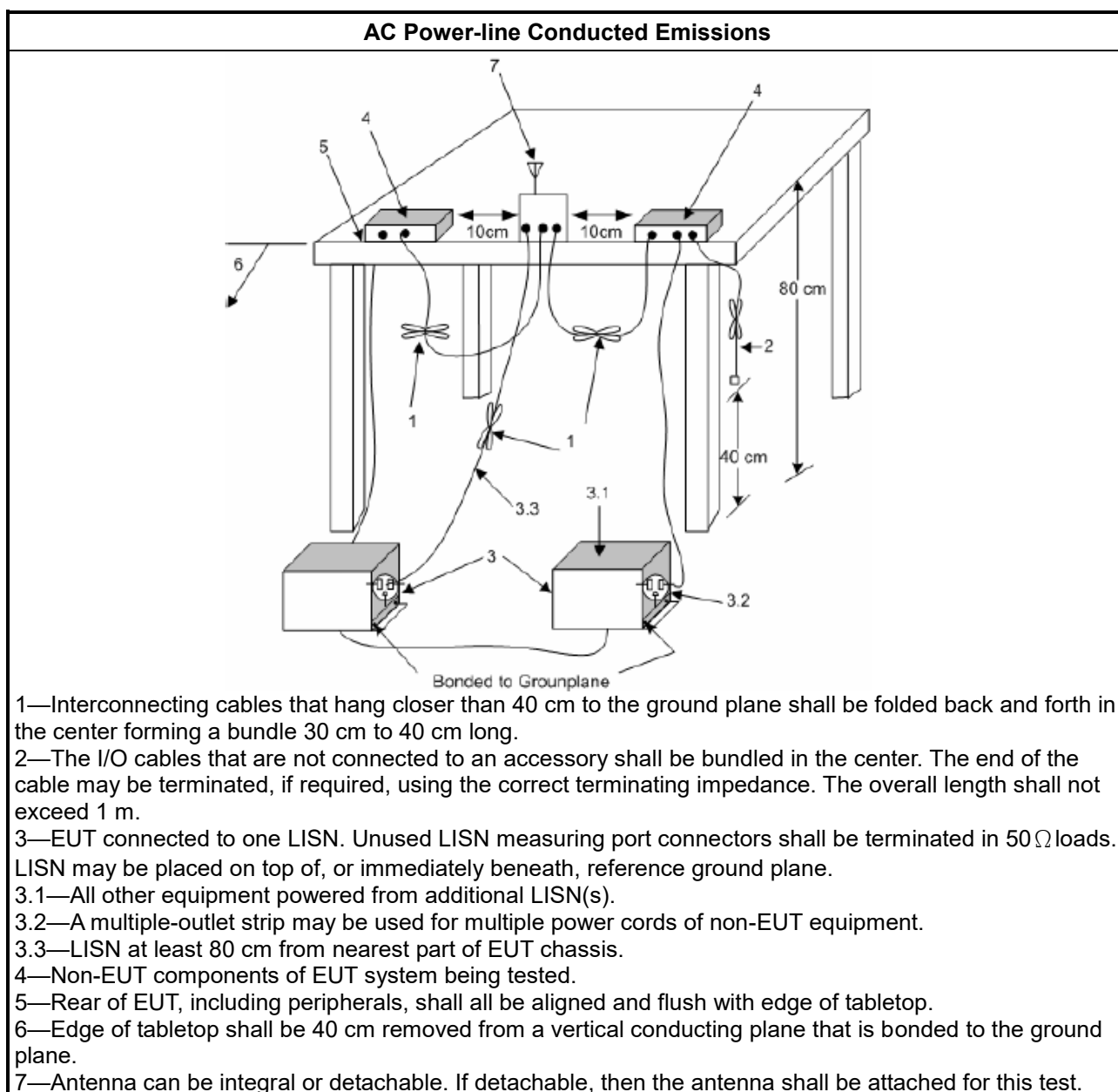
| Test Method                                                                                                      |
|------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 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 5.15-5.25 GHz band, N/A                                     |
| <input checked="" type="checkbox"/> | For the 5.25-5.35 GHz band, N/A                                     |
| <input checked="" type="checkbox"/> | For the 5.47-5.725 GHz band, N/A                                    |
| <input checked="" type="checkbox"/> | For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz. |

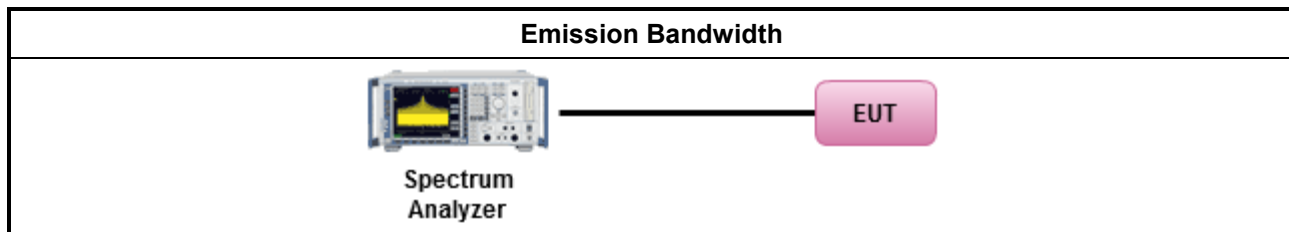
### 3.2.2 Measuring Instruments

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 Conducted Output Power

#### 3.3.1 Maximum Conducted Output Power Limit

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

### 3.3.2 Measuring Instruments

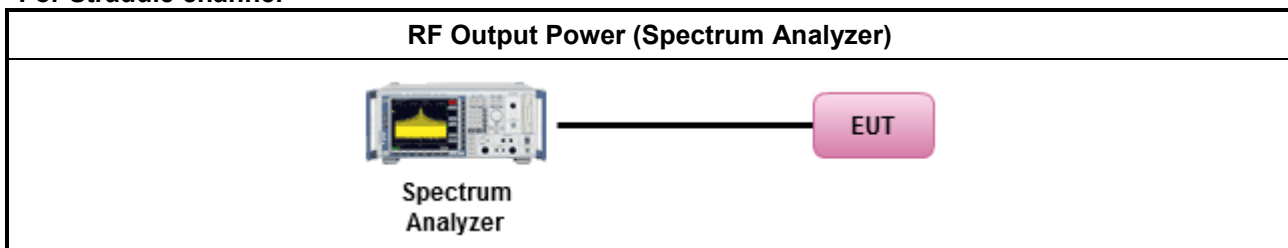
Refer a test equipment and calibration data table in this test report.

### 3.3.3 Test Procedures

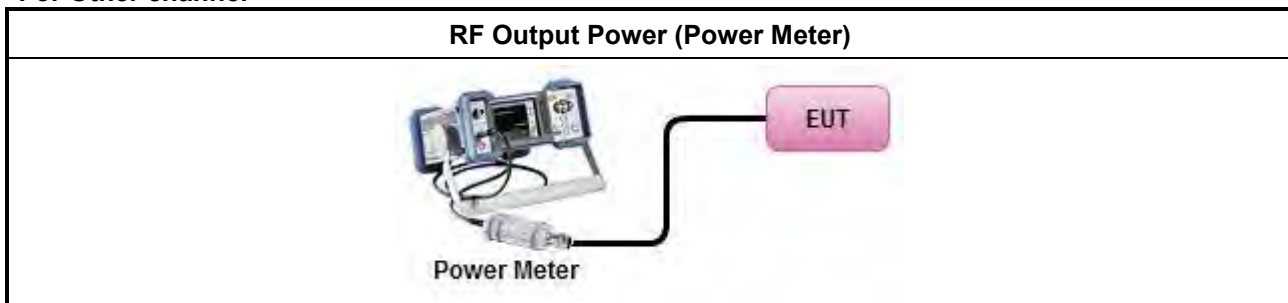
| Test Method                                                                      |                                                                                                                                                                                                                        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

### 3.3.4 Test Setup

**For Straddle channel**



**For Other channel**



### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

### 3.4 Peak Power Spectral Density

#### 3.4.1 Peak Power Spectral Density Limit

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

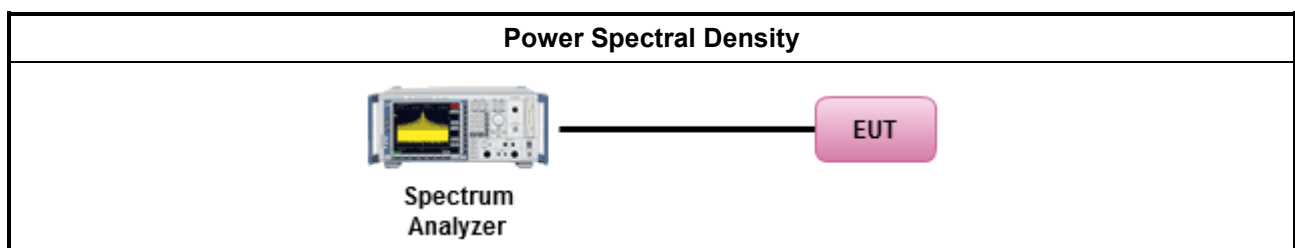
#### 3.4.2 Measuring Instruments

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

### 3.4.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Duty cycle ≥ 98% |
| <input type="checkbox"/> Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Duty cycle < 98% |
| <input checked="" type="checkbox"/> Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |
| <ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |
| <ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below:</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |
| <ul style="list-style-type: none"> <li>Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.</li> </ul> |                  |
| <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>           (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math display="block">EIRP_{total} = PPSD_{total} + DG</math> </li> </ul>                                                                                                                                                                                                                                                                                                                                            |                  |

### 3.4.4 Test Setup



### 3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

## 3.5 Unwanted Emissions

### 3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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

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

### 3.5.2 Measuring Instruments

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

### 3.5.3 Test Procedures

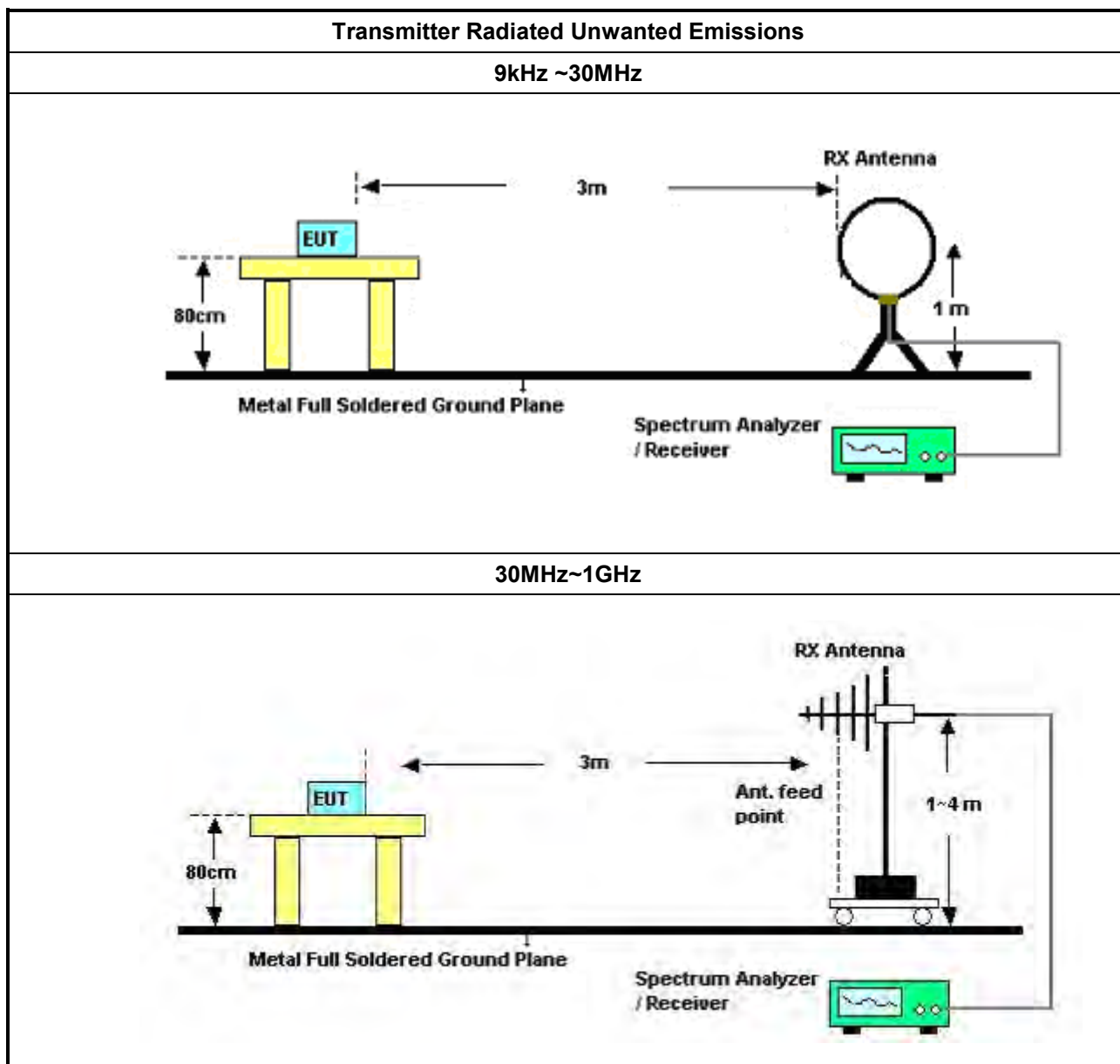
| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.                                                                                                                                                                     |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.                                                                                                                                                   |
| <ul style="list-style-type: none"> <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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                       |
| <ul style="list-style-type: none"> <li>Use the following spectrum analyzer settings:</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Set RBW=100 kHz for <math>f &lt; 1</math> GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.</li> </ul>                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Set RBW = 1 MHz, VBW= 3MHz for <math>f \geq 1</math> GHz for peak measurement.<br/>For average measurement, refer as 1.1.4.</li> </ul>                                                                         |
| <ul style="list-style-type: none"> <li>KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>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.</li> </ul> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.</li> </ul>                                                                  |

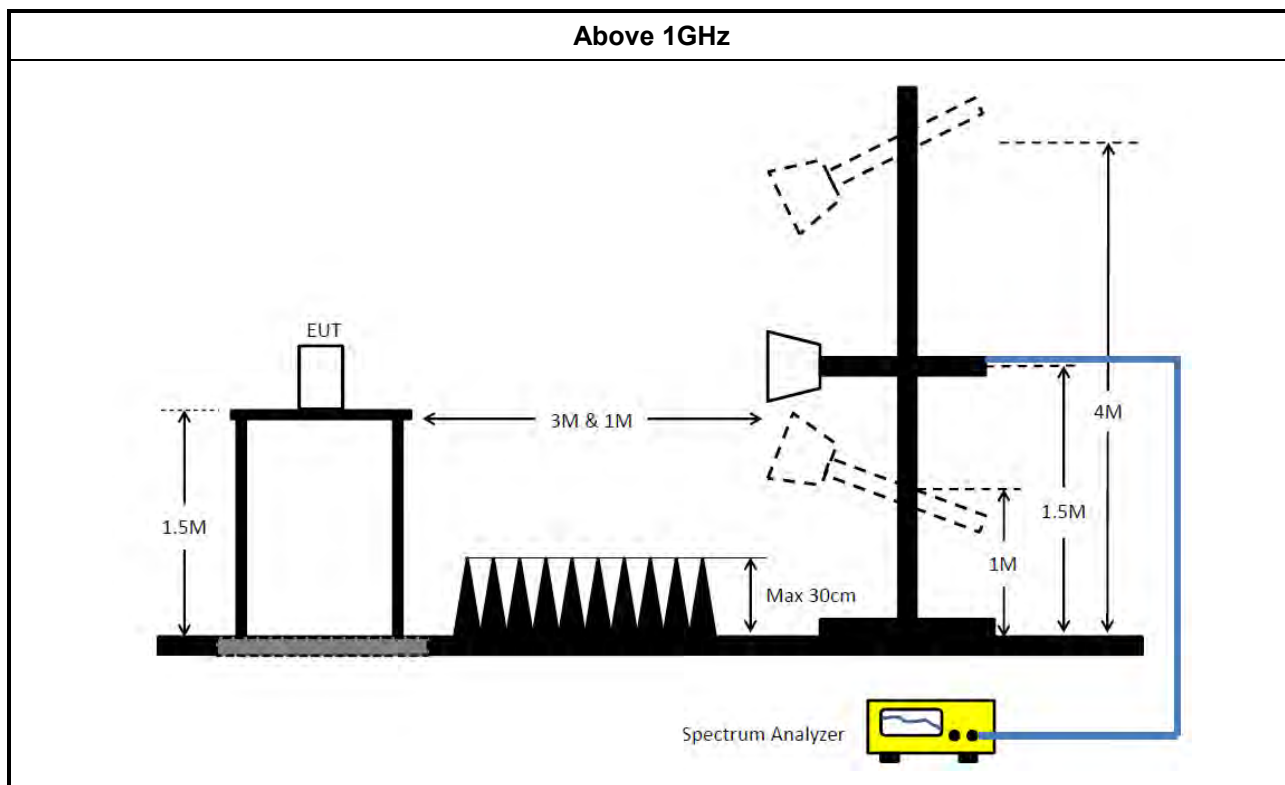
### 3.5.4 Measurement Results Calculation

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

## 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                 | ESR3        | 102051        | 9kHz ~ 3.6GHz | 21/May/2021      | 20/May/2022          |
| LISN                              | R&S                 | ENV216      | 101295        | 9kHz ~ 30MHz  | 11/Nov/2020      | 10/Nov/2021          |
| RF Cable 5m                       | TITAN               | TITAN       | CO04-cable-01 | 0.1MHz~200MHz | 03/Mar/2021      | 02/Mar/2022          |
| Impuls Begrenzer<br>Pulse Limiter | SCHWARZBECK         | VTSD 9561-F | 9561-F041     | 9kHz ~ 30MHz  | 15/Sep/2021      | 14/Sep/2022          |
| SENSE-EMI                         | Sporton             | V5.10.7.13  | N/A           | N/A           | N/A              | N/A                  |

### Instrument for Conducted Test

| Instrument       | Manufacturer /Brand | Model No.  | Serial No. | Spec.        | Calibration Date | Calibration Due Date |
|------------------|---------------------|------------|------------|--------------|------------------|----------------------|
| Signal Analyzer  | R&S                 | FSV 40     | 101515     | 10Hz~40GHz   | 26/Mar/2021      | 25/Mar/2022          |
| Pulse Sensor     | Anritsu             | MA2411B    | 1027452    | 300MHz~40GHz | 25/Mar/2021      | 24/Mar/2022          |
| Power Meter      | Anritsu             | ML2495A    | 1124009    | 300MHz~40GHz | 25/Mar/2021      | 24/Mar/2022          |
| Signal Generator | Keysight            | N5171B     | MY53051240 | 9kHz~6GHz    | 23/Nov/2020      | 22/Nov/2021          |
| SENSE 15407_NII  | Sporton             | v5.10.7.17 | 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            | 03CH03-HY                 | 30MHz~1GHz<br>3m | 03/Aug/2021      | 02/Aug/2022          |
| 3m Semi Anechoic Chamber         | SIDT FRANKONIA      | SAC-3M            | 03CH03-HY                 | 1GHz~18GHz<br>3m | 03/Aug/2021      | 02/Aug/2022          |
| Signal Analyzer                  | R&S                 | FSV 40            | 101515                    | 10Hz~40GHz       | 26/Mar/2021      | 25/Mar/2022          |
| Amplifier                        | HP                  | 8447D             | 2944A08033                | 10kHz~1.3GHz     | 13/Apr/2021      | 12/Apr/2022          |
| Microwave Preamplifier           | Agilent             | 8449B             | 3008A02326                | 1GHz~26.5GHz     | 15/Jul/2021      | 14/Jul/2022          |
| Bilog Antenna & 6dB Attenuator   | SCHAFFNER / EMC     | CBL6112B / N-6-05 | 22237 / AT-N-0603         | 30MHz~1GHz       | 25/Oct/2020      | 24/Oct/2021          |
| Double Ridged Guide Horn Antenna | SCHWARZBECK         | BBHA 9120 D       | BBHA 9120 D 1531          | 1GHz~18GHz       | 24/Mar/2021      | 23/Mar/2022          |
| RF Cable-R03m                    | Jye Bao             | RG142             | CB021                     | 9kHz~30MHz       | 16/Jun/2021      | 15/Jun/2022          |
| RF Cable-R03m                    | Jye Bao             | RG142             | MY37335/4+CB021-1+CB021-2 | 30MHz~1GHz       | 17/Mar/2021      | 16/Mar/2022          |
| RF CABLE 5+6m                    | HUBER+SUHNER        | SUOFLEX 104       | SN MY38596/4+SN 804300/4  | 1GHz~40GHz       | 28/Jul/2021      | 27/Jul/2022          |
| Broadband Horn Antenna           | SCHWARZBECK         | BBHA 9170         | BBHA 9170221              | 15GHz~40GHz      | 11/Mar/2021      | 10/Mar/2022          |
| Microwave Preamplifier           | EMC INSTRUMENTS     | EM18G40G          | 060604                    | 18GHz ~ 40GHz    | 09/Mar/2021      | 08/Mar/2022          |



| Instrument        | Manufacturer /Brand | Model No.  | Serial No. | Spec.       | Calibration Date | Calibration Due Date |
|-------------------|---------------------|------------|------------|-------------|------------------|----------------------|
| Loop Antenna      | TESEQ               | HLA 6120   | 31244      | 9kHz~30MHz  | 16/Mar/2021      | 15/Mar/2022          |
| EMI Test Receiver | R&S                 | ESR3       | 102052     | 9kHz~3.6GHz | 19/Apr/2021      | 18/Apr/2022          |
| SENSE 15407_NII   | Sporton             | v5.10.7.13 | N/A        | N/A         | N/A              | N/A                  |



## Conducted Emissions at Powerline

## Appendix A

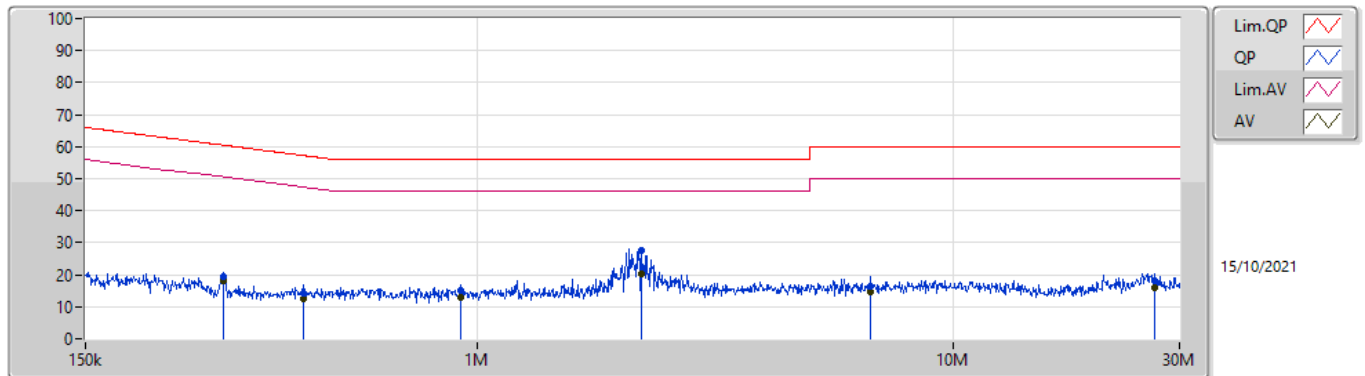
### Summary

| Mode   | Result | Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Condition |
|--------|--------|------|--------------|-----------------|-----------------|----------------|-----------|
| Mode 1 | Pass   | AV   | 2.211M       | 20.22           | 46.00           | -25.78         | Line      |

**Mode Configure**

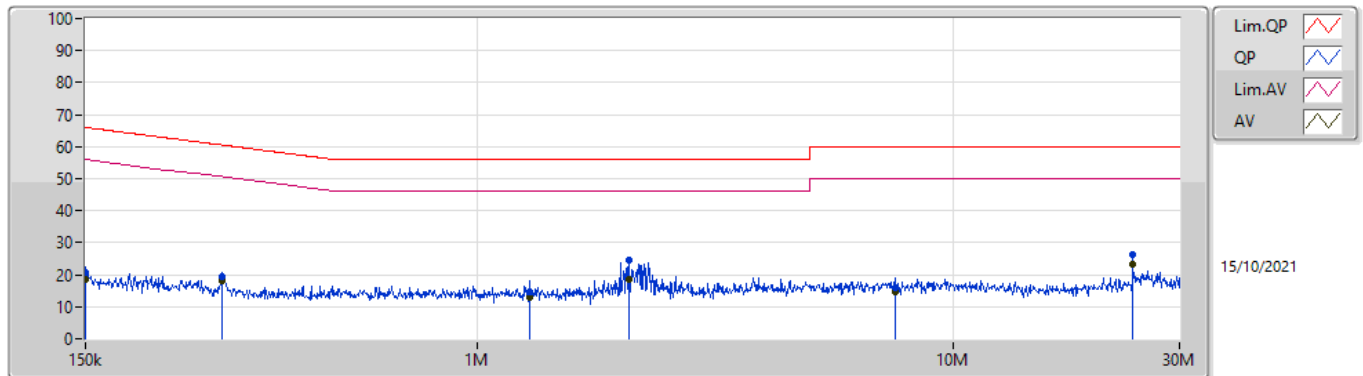
| Mode   | Result | Type | Freq (Hz) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Condition | Comments |
|--------|--------|------|-----------|--------------|--------------|-------------|-----------|----------|
| Mode 1 | Pass   | QP   | 293.329k  | 19.48        | 60.44        | -40.96      | Line      | -        |
| Mode 1 | Pass   | AV   | 293.329k  | 18.11        | 50.44        | -32.33      | Line      | -        |
| Mode 1 | Pass   | QP   | 432.041k  | 14.16        | 57.20        | -43.04      | Line      | -        |
| Mode 1 | Pass   | AV   | 432.041k  | 12.45        | 47.20        | -34.75      | Line      | -        |
| Mode 1 | Pass   | QP   | 922.424k  | 15.11        | 56.00        | -40.89      | Line      | -        |
| Mode 1 | Pass   | AV   | 922.424k  | 12.95        | 46.00        | -33.05      | Line      | -        |
| Mode 1 | Pass   | QP   | 2.211M    | 27.40        | 56.00        | -28.60      | Line      | -        |
| Mode 1 | Pass   | AV   | 2.211M    | 20.22        | 46.00        | -25.78      | Line      | -        |
| Mode 1 | Pass   | QP   | 6.735M    | 16.37        | 60.00        | -43.63      | Line      | -        |
| Mode 1 | Pass   | AV   | 6.735M    | 14.77        | 50.00        | -35.23      | Line      | -        |
| Mode 1 | Pass   | QP   | 26.59M    | 18.02        | 60.00        | -41.98      | Line      | -        |
| Mode 1 | Pass   | AV   | 26.59M    | 16.11        | 50.00        | -33.89      | Line      | -        |
| Mode 1 | Pass   | QP   | 150k      | 20.53        | 66.00        | -45.47      | Neutral   | -        |
| Mode 1 | Pass   | AV   | 150k      | 18.38        | 56.00        | -37.62      | Neutral   | -        |
| Mode 1 | Pass   | QP   | 290.996k  | 19.48        | 60.49        | -41.01      | Neutral   | -        |
| Mode 1 | Pass   | AV   | 290.996k  | 18.21        | 50.49        | -32.28      | Neutral   | -        |
| Mode 1 | Pass   | QP   | 1.29M     | 14.85        | 56.00        | -41.15      | Neutral   | -        |
| Mode 1 | Pass   | AV   | 1.29M     | 12.93        | 46.00        | -33.07      | Neutral   | -        |
| Mode 1 | Pass   | QP   | 2.091M    | 24.46        | 56.00        | -31.54      | Neutral   | -        |
| Mode 1 | Pass   | AV   | 2.091M    | 18.74        | 46.00        | -27.26      | Neutral   | -        |
| Mode 1 | Pass   | QP   | 7.561M    | 15.94        | 60.00        | -44.06      | Neutral   | -        |
| Mode 1 | Pass   | AV   | 7.561M    | 14.70        | 50.00        | -35.30      | Neutral   | -        |
| Mode 1 | Pass   | QP   | 23.968M   | 26.34        | 60.00        | -33.66      | Neutral   | -        |
| Mode 1 | Pass   | AV   | 23.968M   | 23.30        | 50.00        | -26.70      | 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   | 293.329k     | 19.48           | 60.44           | -40.96         | 19.61          | Line      | -       | -0.13         | 9.67         | 0.05       | 9.89       |  |  |  |
| AV   | 293.329k     | 18.11           | 50.44           | -32.33         | 19.61          | Line      | -       | -1.50         | 9.67         | 0.05       | 9.89       |  |  |  |
| QP   | 432.041k     | 14.16           | 57.20           | -43.04         | 19.62          | Line      | -       | -5.46         | 9.67         | 0.06       | 9.89       |  |  |  |
| AV   | 432.041k     | 12.45           | 47.20           | -34.75         | 19.62          | Line      | -       | -7.17         | 9.67         | 0.06       | 9.89       |  |  |  |
| QP   | 922.424k     | 15.11           | 56.00           | -40.89         | 19.64          | Line      | -       | -4.53         | 9.67         | 0.08       | 9.89       |  |  |  |
| AV   | 922.424k     | 12.95           | 46.00           | -33.05         | 19.64          | Line      | -       | -6.69         | 9.67         | 0.08       | 9.89       |  |  |  |
| QP   | 2.211M       | 27.40           | 56.00           | -28.60         | 19.67          | Line      | -       | 7.73          | 9.68         | 0.11       | 9.88       |  |  |  |
| AV   | 2.211M       | 20.22           | 46.00           | -25.78         | 19.67          | Line      | -       | 0.55          | 9.68         | 0.11       | 9.88       |  |  |  |
| QP   | 6.735M       | 16.37           | 60.00           | -43.63         | 19.77          | Line      | -       | -3.40         | 9.71         | 0.17       | 9.89       |  |  |  |
| AV   | 6.735M       | 14.77           | 50.00           | -35.23         | 19.77          | Line      | -       | -5.00         | 9.71         | 0.17       | 9.89       |  |  |  |
| QP   | 26.59M       | 18.02           | 60.00           | -41.98         | 19.79          | Line      | -       | -1.77         | 9.57         | 0.33       | 9.89       |  |  |  |
| AV   | 26.59M       | 16.11           | 50.00           | -33.89         | 19.79          | Line      | -       | -3.68         | 9.57         | 0.33       | 9.89       |  |  |  |

## 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   | 150k         | 20.53           | 66.00           | -45.47         | 19.62          | Neutral   | -       | 0.91          | 9.69         | 0.04       | 9.89       |  |  |  |
| AV   | 150k         | 18.38           | 56.00           | -37.62         | 19.62          | Neutral   | -       | -1.24         | 9.69         | 0.04       | 9.89       |  |  |  |
| QP   | 290.996k     | 19.48           | 60.49           | -41.01         | 19.61          | Neutral   | -       | -0.13         | 9.67         | 0.05       | 9.89       |  |  |  |
| AV   | 290.996k     | 18.21           | 50.49           | -32.28         | 19.61          | Neutral   | -       | -1.40         | 9.67         | 0.05       | 9.89       |  |  |  |
| QP   | 1.29M        | 14.85           | 56.00           | -41.15         | 19.65          | Neutral   | -       | -4.80         | 9.67         | 0.09       | 9.89       |  |  |  |
| AV   | 1.29M        | 12.93           | 46.00           | -33.07         | 19.65          | Neutral   | -       | -6.72         | 9.67         | 0.09       | 9.89       |  |  |  |
| QP   | 2.091M       | 24.46           | 56.00           | -31.54         | 19.66          | Neutral   | -       | 4.80          | 9.68         | 0.10       | 9.88       |  |  |  |
| AV   | 2.091M       | 18.74           | 46.00           | -27.26         | 19.66          | Neutral   | -       | -0.92         | 9.68         | 0.10       | 9.88       |  |  |  |
| QP   | 7.561M       | 15.94           | 60.00           | -44.06         | 19.79          | Neutral   | -       | -3.85         | 9.72         | 0.18       | 9.89       |  |  |  |
| AV   | 7.561M       | 14.70           | 50.00           | -35.30         | 19.79          | Neutral   | -       | -5.09         | 9.72         | 0.18       | 9.89       |  |  |  |
| QP   | 23.968M      | 26.34           | 60.00           | -33.66         | 19.94          | Neutral   | -       | 6.40          | 9.73         | 0.32       | 9.89       |  |  |  |
| AV   | 23.968M      | 23.30           | 50.00           | -26.70         | 19.94          | Neutral   | -       | 3.36          | 9.73         | 0.32       | 9.89       |  |  |  |

**Summary**

| Mode                           | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.15-5.25GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX       | 27.39M           | 17.451M         | 17M5D1D  | 19.89M           | 16.493M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 28.23M           | 19.13M          | 19M1D1D  | 19.95M           | 18.831M         |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 39.6M            | 37.661M         | 37M7D1D  | 39.3M            | 37.481M         |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 80.28M           | 76.882M         | 76M9D1D  | 80.16M           | 76.762M         |
| 5.25-5.35GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX       | 28.29M           | 17.483M         | 17M5D1D  | 24.36M           | 17.013M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 27.03M           | 19.07M          | 19M1D1D  | 22.29M           | 19.04M          |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 39.72M           | 37.541M         | 37M5D1D  | 39.48M           | 37.541M         |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 80.28M           | 77.001M         | 77M0D1D  | 80.16M           | 77.001M         |
| 5.47-5.725GHz                  | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX       | 32.91M           | 17.428M         | 17M4D1D  | 17.205M          | 13.633M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 33.63M           | 19.1M           | 19M1D1D  | 16.29M           | 14.528M         |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 39.66M           | 37.601M         | 37M6D1D  | 34.79M           | 33.618M         |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 80.28M           | 77.001M         | 77M0D1D  | 75M              | 72.864M         |
| 5.725-5.85GHz                  | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX       | 16.29M           | 17.421M         | 17M4D1D  | 3.1M             | 5.119M          |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 18.78M           | 19.1M           | 19M1D1D  | 4.38M            | 4.718M          |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 35.1M            | 37.661M         | 37M7D1D  | 3.92M            | 4.118M          |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 75M              | 76.882M         | 76M9D1D  | 3.94M            | 4.138M          |

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

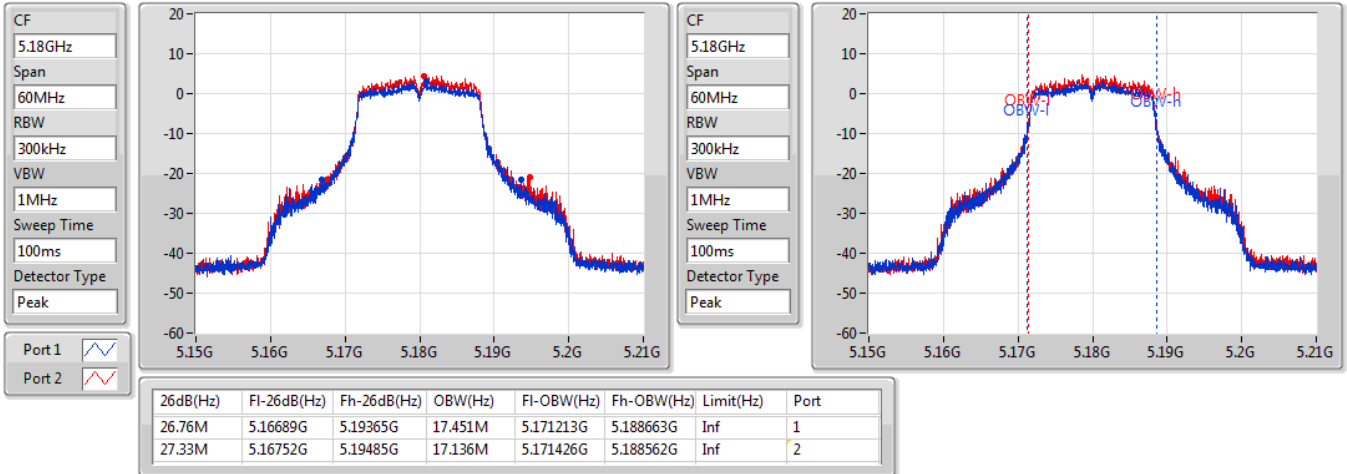
**Result**

| Mode                           | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) |
|--------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|
| 802.11a_Nss1,(6Mbps)_2TX       | -      | -          | -                | -               | -                | -               |
| 5180MHz                        | Pass   | Inf        | 26.76M           | 17.451M         | 27.33M           | 17.136M         |
| 5200MHz                        | Pass   | Inf        | 27.39M           | 17.392M         | 26.85M           | 17.079M         |
| 5240MHz                        | Pass   | Inf        | 20.01M           | 16.664M         | 19.89M           | 16.493M         |
| 5260MHz                        | Pass   | Inf        | 26.52M           | 17.483M         | 24.36M           | 17.013M         |
| 5300MHz                        | Pass   | Inf        | 27.72M           | 17.445M         | 27M              | 17.078M         |
| 5320MHz                        | Pass   | Inf        | 28.29M           | 17.436M         | 25.5M            | 17.099M         |
| 5500MHz                        | Pass   | Inf        | 32.91M           | 17.412M         | 28.47M           | 17.066M         |
| 5580MHz                        | Pass   | Inf        | 26.55M           | 17.394M         | 25.05M           | 16.985M         |
| 5700MHz                        | Pass   | Inf        | 27.24M           | 17.428M         | 24.72M           | 17.067M         |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 17.865M          | 13.892M         | 17.205M          | 13.633M         |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.12M            | 5.336M          | 3.1M             | 5.119M          |
| 5745MHz                        | Pass   | 500k       | 15.72M           | 17.391M         | 16.29M           | 17.031M         |
| 5785MHz                        | Pass   | 500k       | 16.02M           | 17.331M         | 16.26M           | 17.031M         |
| 5825MHz                        | Pass   | 500k       | 16.02M           | 17.421M         | 16.26M           | 17.007M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5180MHz                        | Pass   | Inf        | 23.94M           | 19.1M           | 27.78M           | 19.1M           |
| 5200MHz                        | Pass   | Inf        | 28.23M           | 19.07M          | 27.54M           | 19.13M          |
| 5240MHz                        | Pass   | Inf        | 20.04M           | 18.831M         | 19.95M           | 18.831M         |
| 5260MHz                        | Pass   | Inf        | 27.03M           | 19.04M          | 22.35M           | 19.04M          |
| 5300MHz                        | Pass   | Inf        | 25.17M           | 19.04M          | 22.62M           | 19.04M          |
| 5320MHz                        | Pass   | Inf        | 22.29M           | 19.04M          | 24.9M            | 19.07M          |
| 5500MHz                        | Pass   | Inf        | 24.06M           | 19.07M          | 26.04M           | 19.07M          |
| 5580MHz                        | Pass   | Inf        | 33.63M           | 19.07M          | 21.93M           | 19.04M          |
| 5700MHz                        | Pass   | Inf        | 23.4M            | 19.1M           | 24.78M           | 19.07M          |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 18.405M          | 14.558M         | 16.29M           | 14.528M         |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 4.38M            | 4.738M          | 4.38M            | 4.718M          |
| 5745MHz                        | Pass   | 500k       | 18.33M           | 19.1M           | 18.69M           | 19.04M          |
| 5785MHz                        | Pass   | 500k       | 18.72M           | 19.07M          | 18.48M           | 19.01M          |
| 5825MHz                        | Pass   | 500k       | 18.78M           | 19.04M          | 18.66M           | 19.01M          |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5190MHz                        | Pass   | Inf        | 39.54M           | 37.661M         | 39.3M            | 37.601M         |
| 5230MHz                        | Pass   | Inf        | 39.6M            | 37.481M         | 39.48M           | 37.541M         |
| 5270MHz                        | Pass   | Inf        | 39.48M           | 37.541M         | 39.54M           | 37.541M         |
| 5310MHz                        | Pass   | Inf        | 39.72M           | 37.541M         | 39.6M            | 37.541M         |
| 5510MHz                        | Pass   | Inf        | 39.66M           | 37.601M         | 39.54M           | 37.601M         |
| 5550MHz                        | Pass   | Inf        | 39.42M           | 37.601M         | 39.54M           | 37.601M         |
| 5670MHz                        | Pass   | Inf        | 39.54M           | 37.481M         | 39.54M           | 37.541M         |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 34.825M          | 33.618M         | 34.79M           | 33.653M         |
| 5710MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 4.02M            | 4.118M          | 3.92M            | 4.118M          |
| 5755MHz                        | Pass   | 500k       | 35.04M           | 37.601M         | 35.04M           | 37.541M         |
| 5795MHz                        | Pass   | 500k       | 35.1M            | 37.601M         | 35.04M           | 37.661M         |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5210MHz                        | Pass   | Inf        | 80.16M           | 76.762M         | 80.28M           | 76.882M         |
| 5290MHz                        | Pass   | Inf        | 80.28M           | 77.001M         | 80.16M           | 77.001M         |
| 5530MHz                        | Pass   | Inf        | 80.16M           | 77.001M         | 80.28M           | 76.762M         |
| 5610MHz                        | Pass   | Inf        | 80.04M           | 76.882M         | 80.28M           | 76.882M         |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | Inf        | 75M              | 72.864M         | 75.15M           | 72.939M         |
| 5690MHz Straddle 5.725-5.85GHz | Pass   | 500k       | 3.94M            | 4.178M          | 3.98M            | 4.138M          |
| 5775MHz                        | Pass   | 500k       | 75M              | 76.882M         | 75M              | 76.882M         |

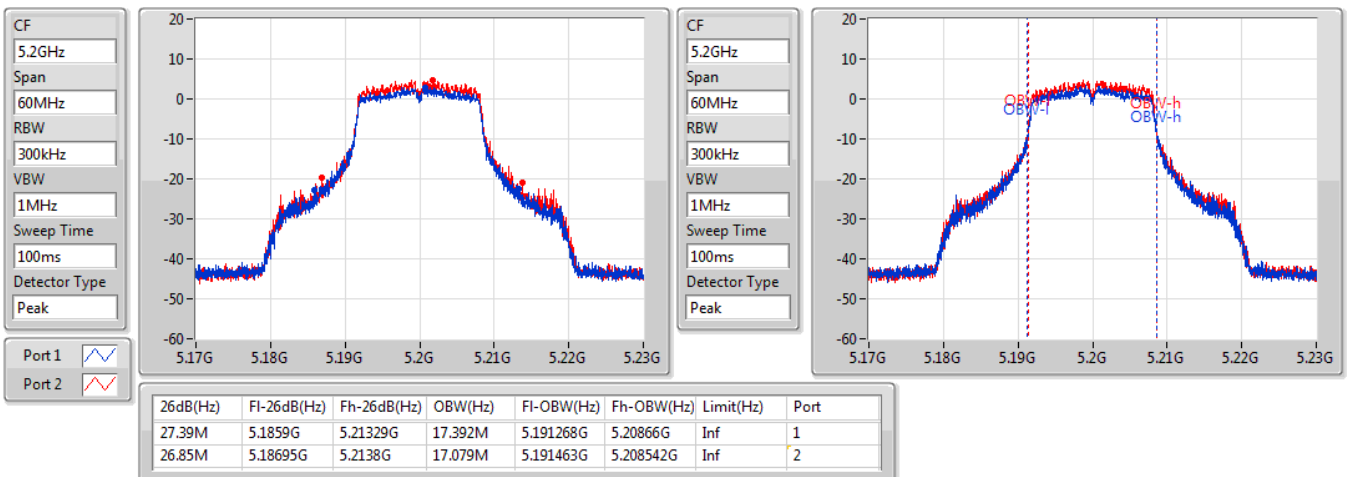
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

**802.11a\_Nss1,(6Mbps)\_2TX**
**EBW**
**5180MHz**

03/11/2021


**802.11a\_Nss1,(6Mbps)\_2TX**
**EBW**
**5200MHz**

03/11/2021

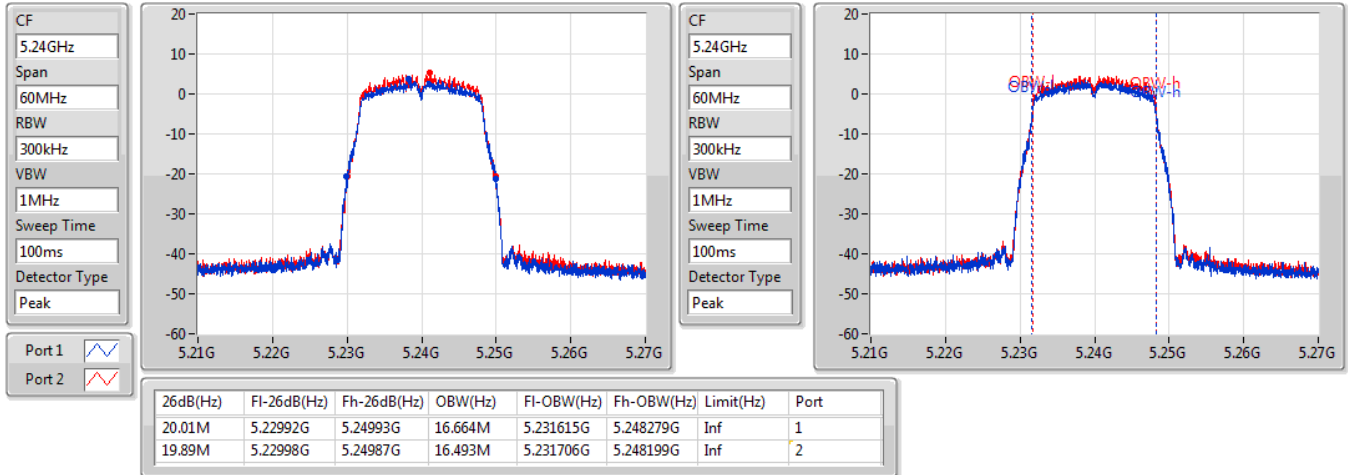


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5240MHz

03/11/2021

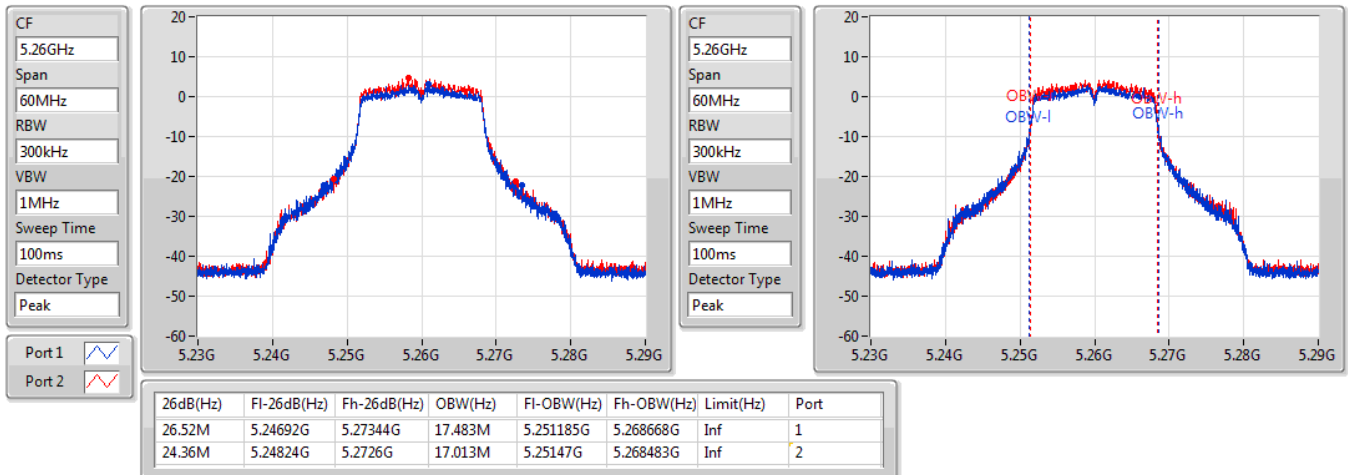


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5260MHz

03/11/2021

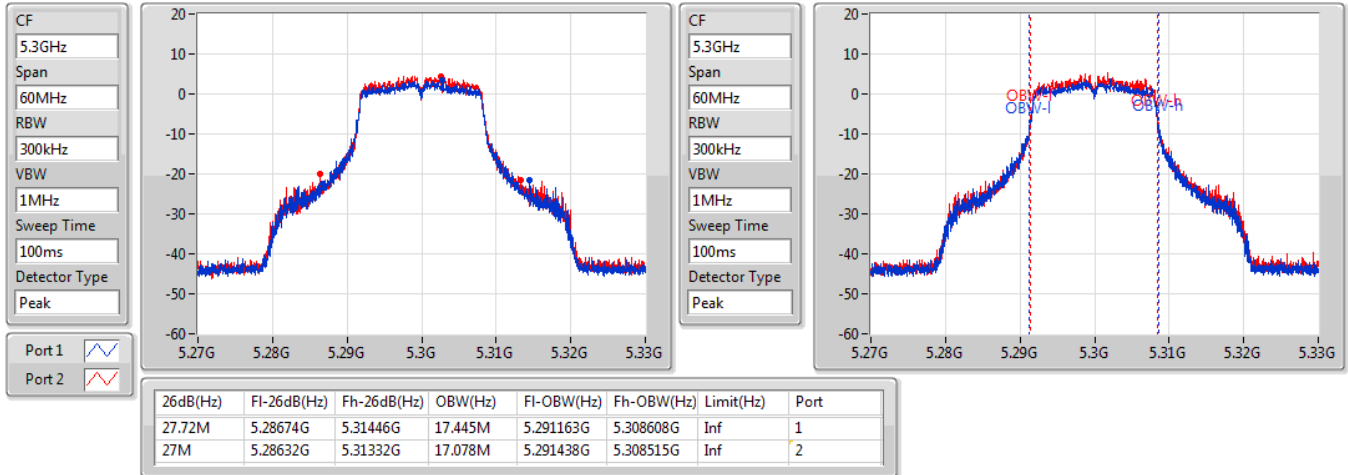


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5300MHz

03/11/2021

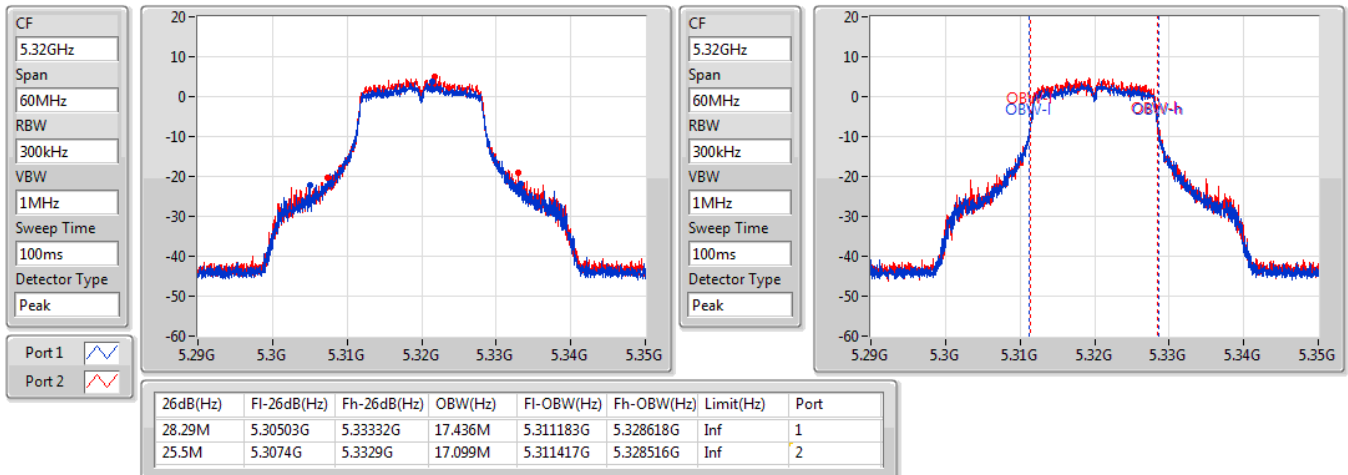


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5320MHz

03/11/2021

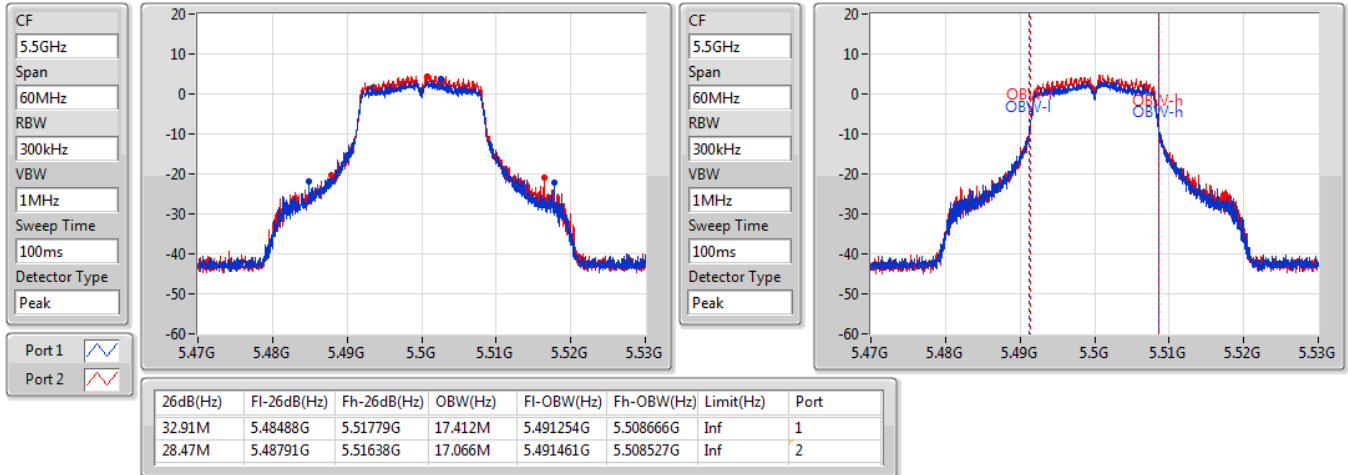


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5500MHz

03/11/2021

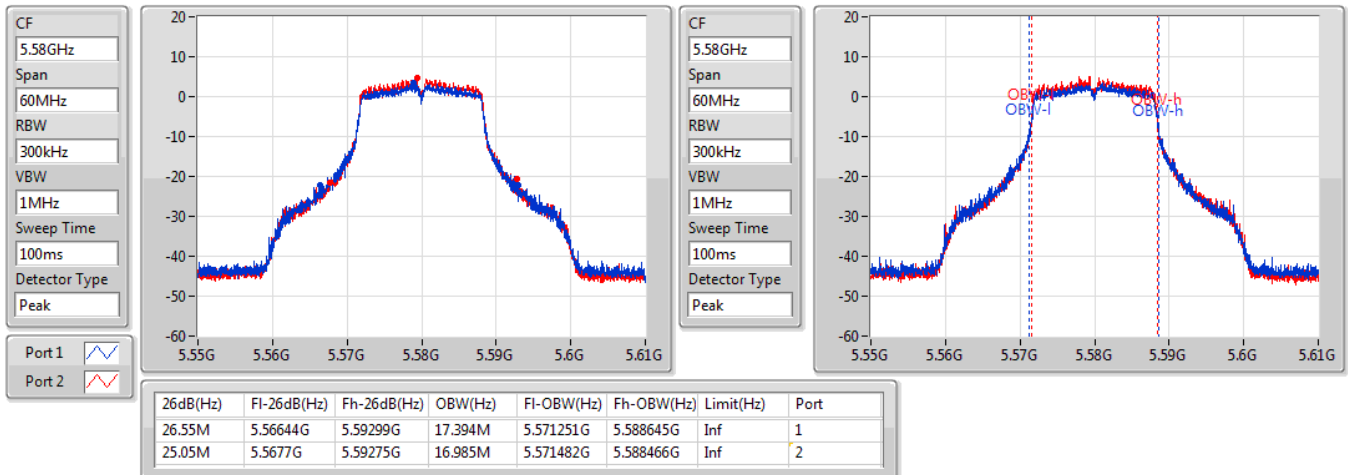


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5580MHz

03/11/2021

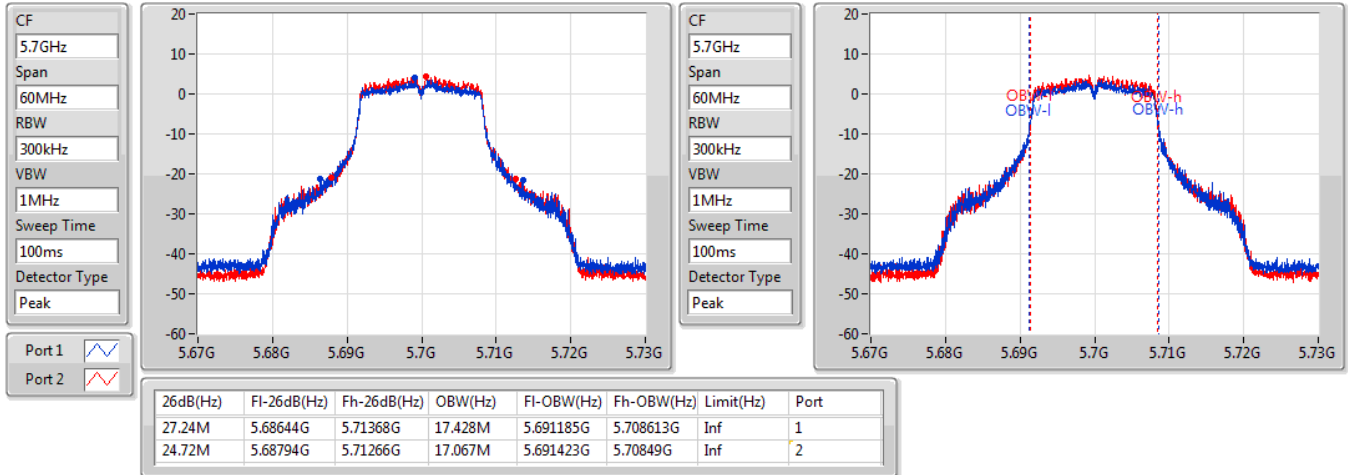


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5700MHz

03/11/2021

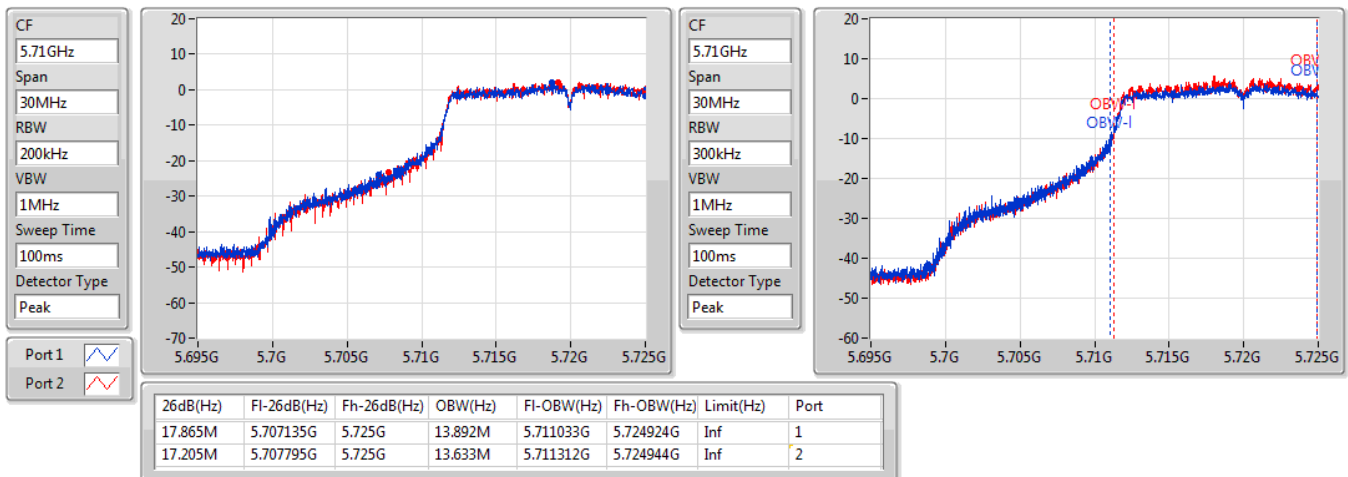


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/11/2021

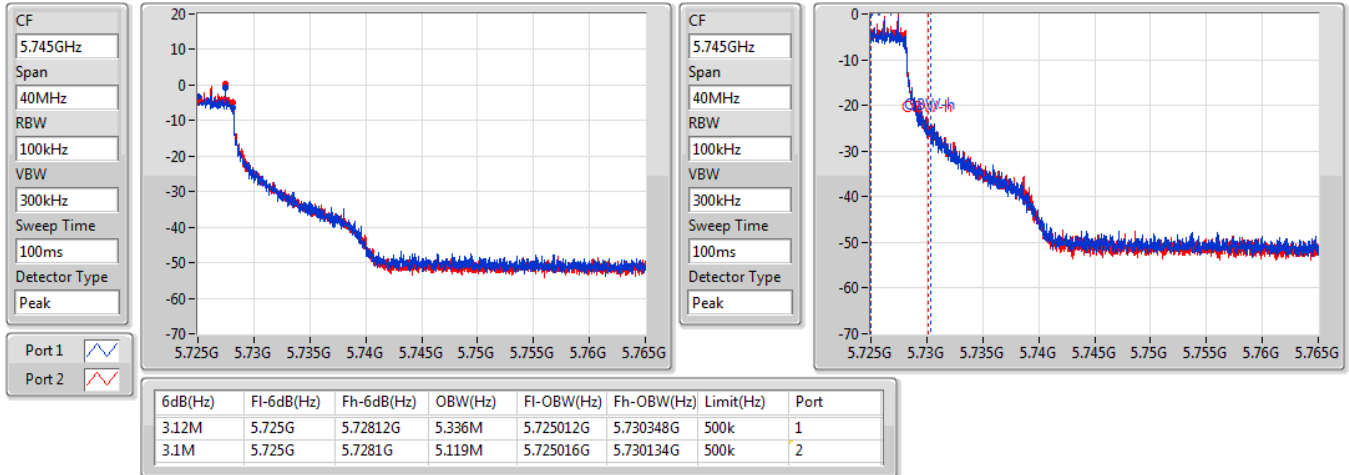


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

### 5720MHz Straddle 5.725-5.85GHz

03/11/2021

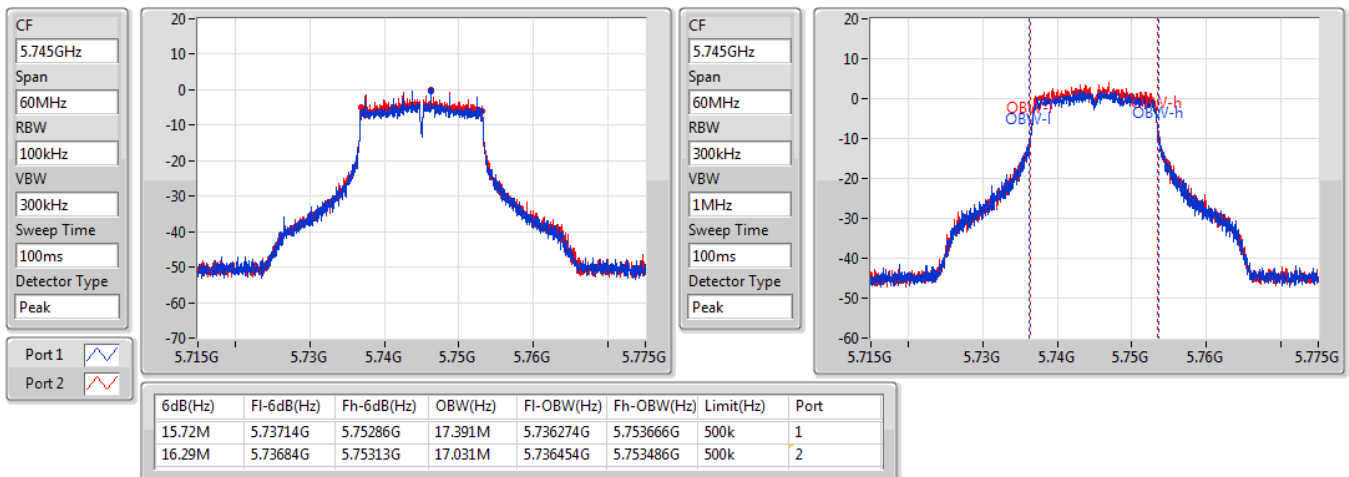


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

### 5745MHz

19/10/2021

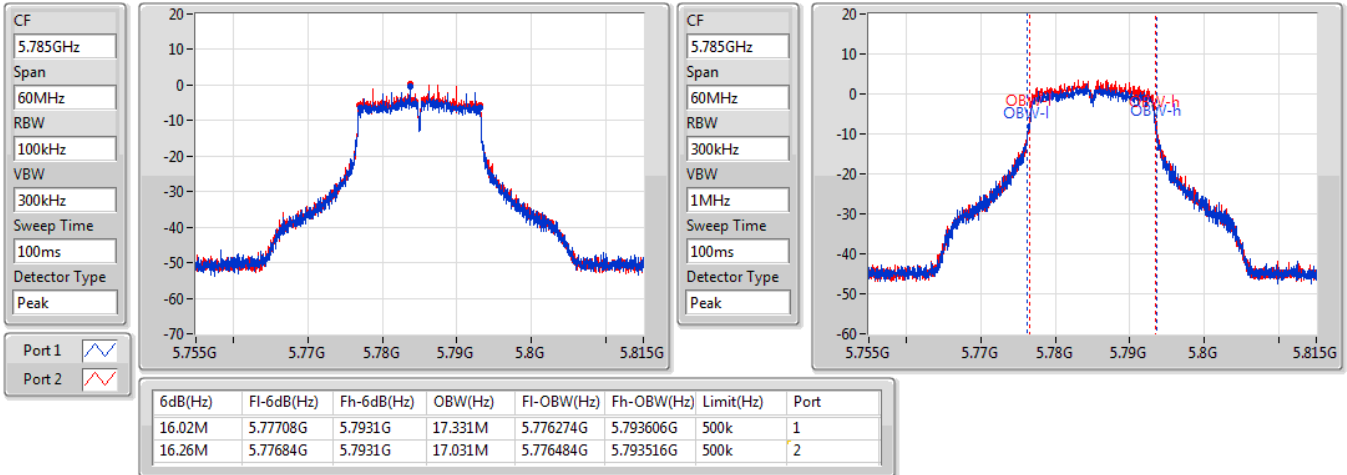


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5785MHz

19/10/2021

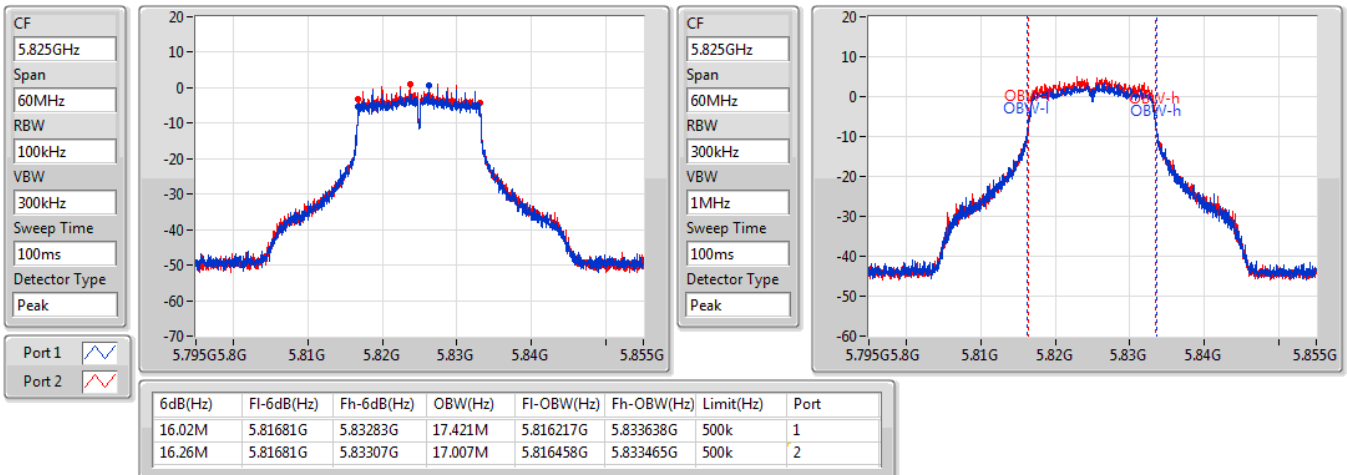


## 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5825MHz

03/11/2021

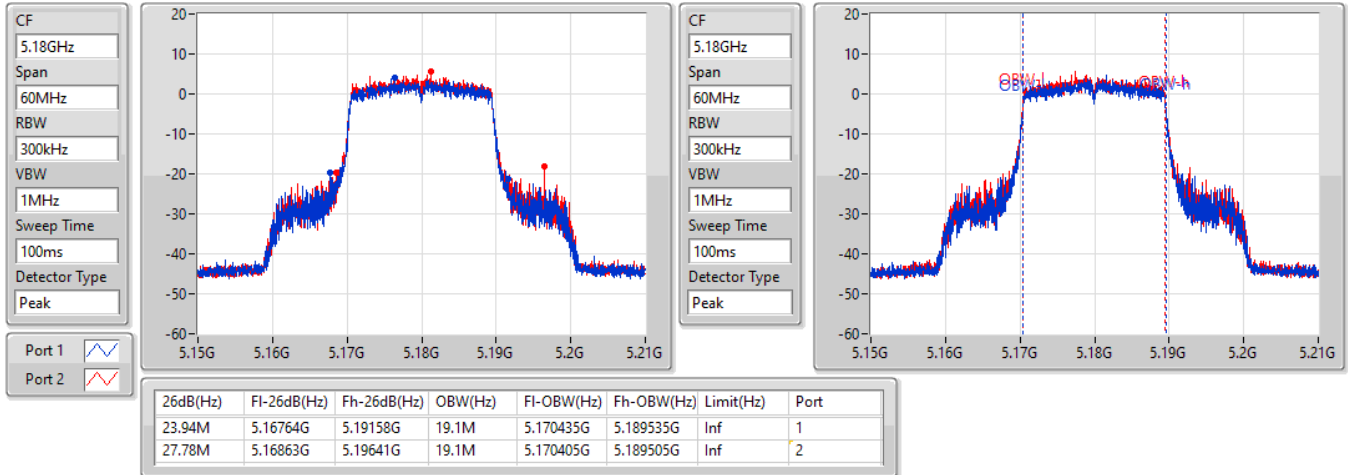


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5180MHz

03/11/2021

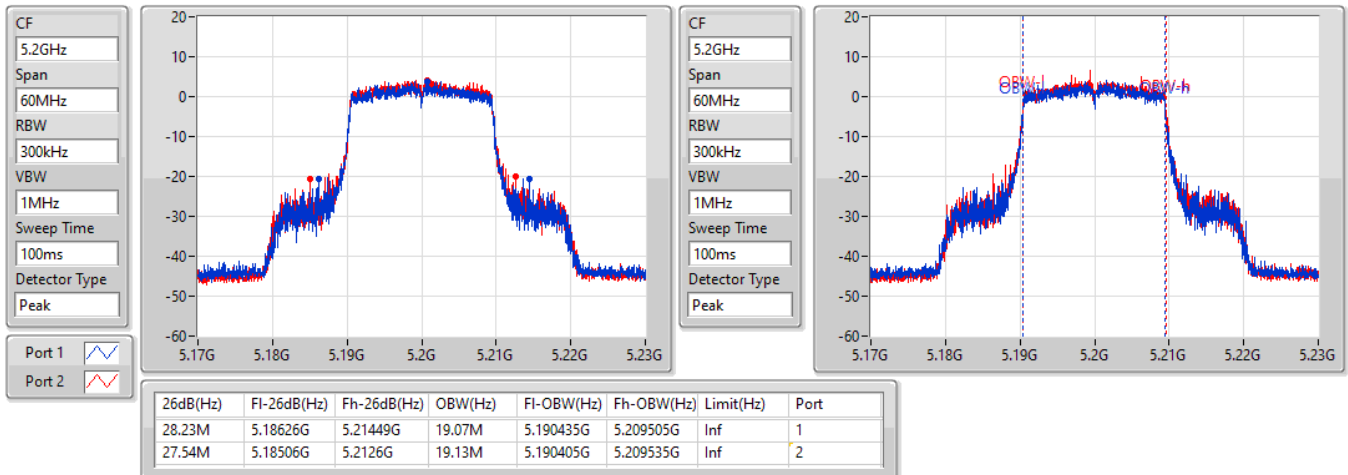


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5200MHz

03/11/2021

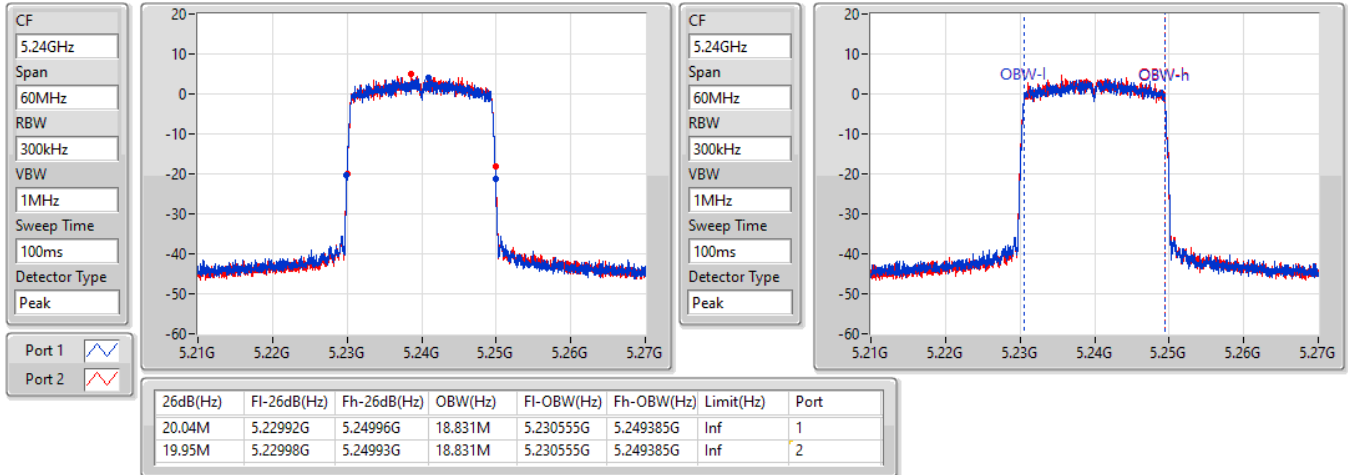


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5240MHz

03/11/2021

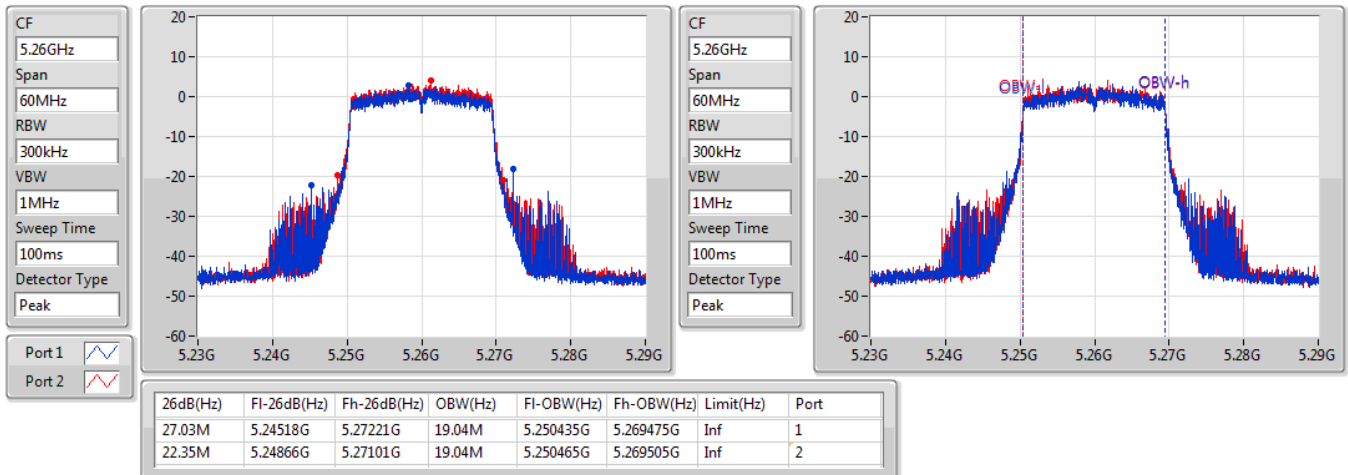


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5260MHz

19/10/2021

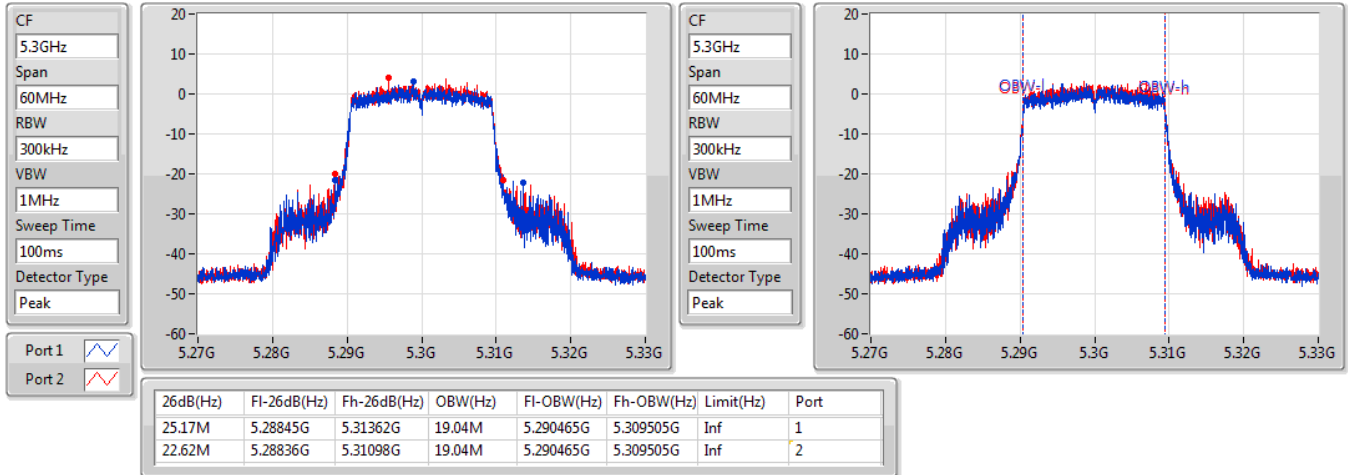


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5300MHz

19/10/2021

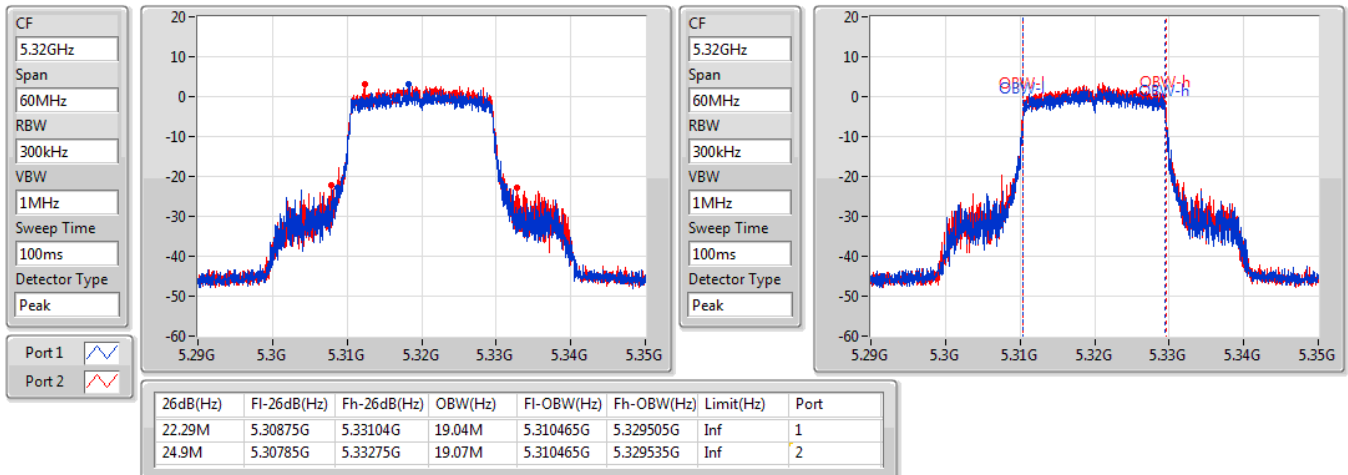


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5320MHz

19/10/2021

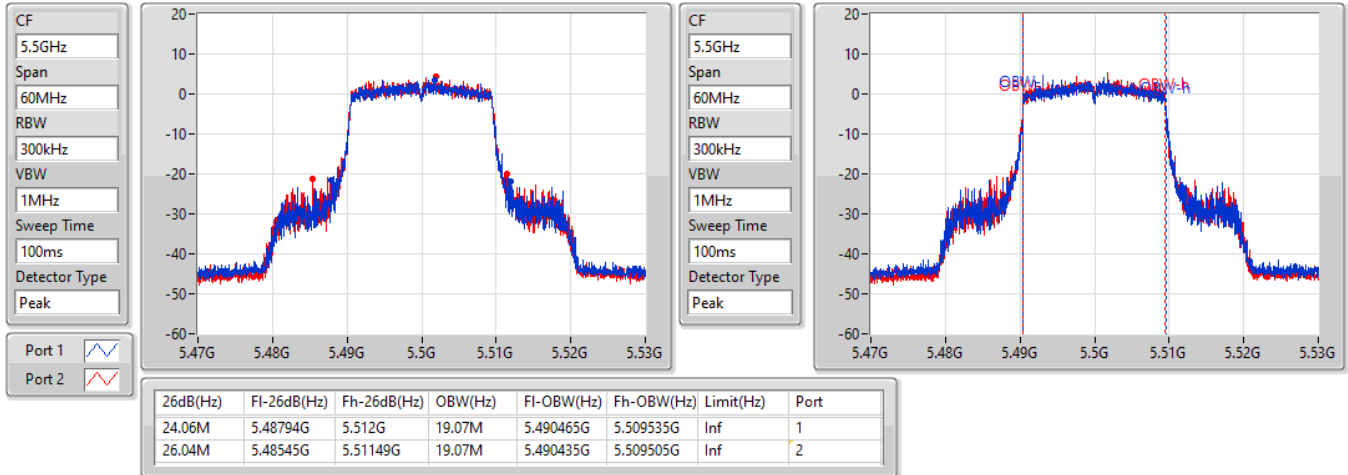


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5500MHz

03/11/2021

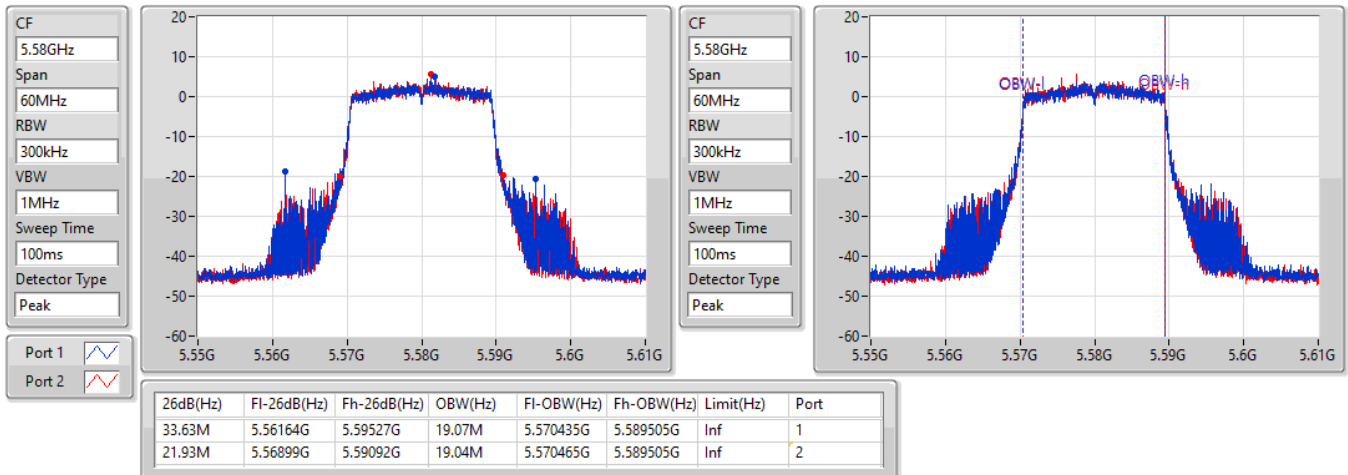


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5580MHz

03/11/2021

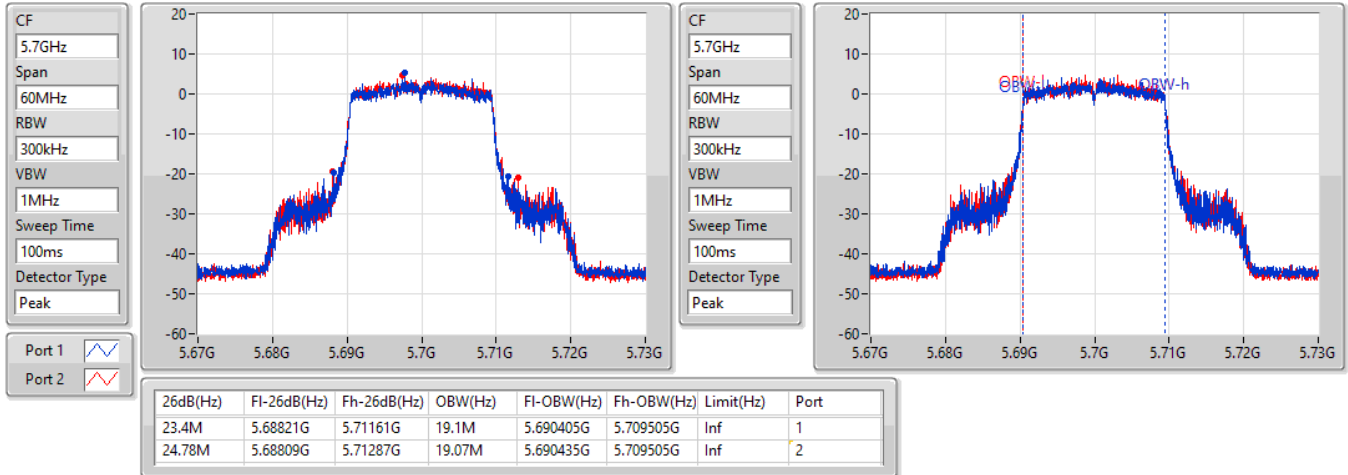


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5700MHz

03/11/2021

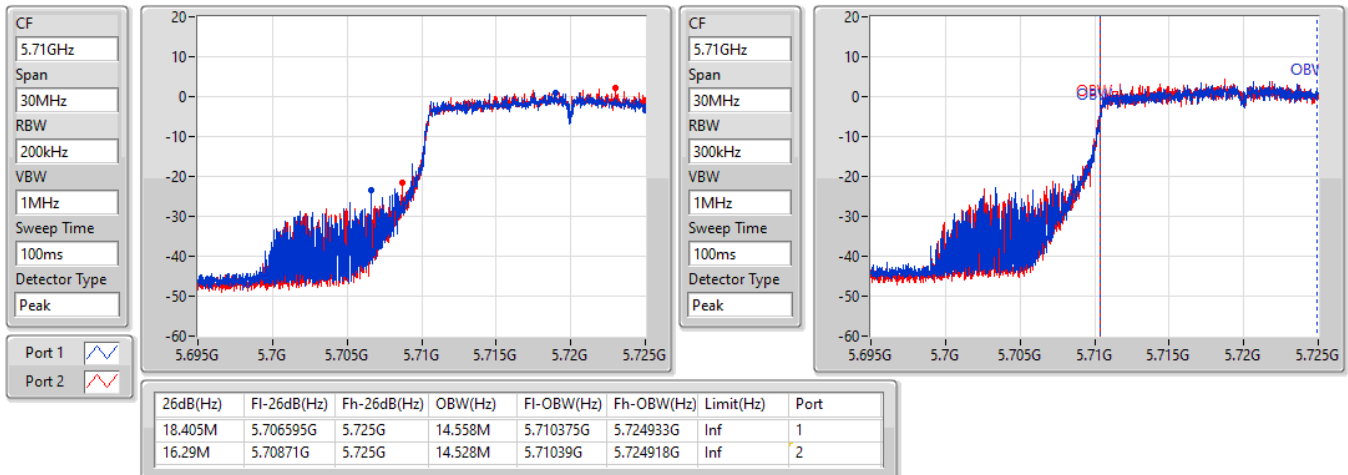


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/11/2021

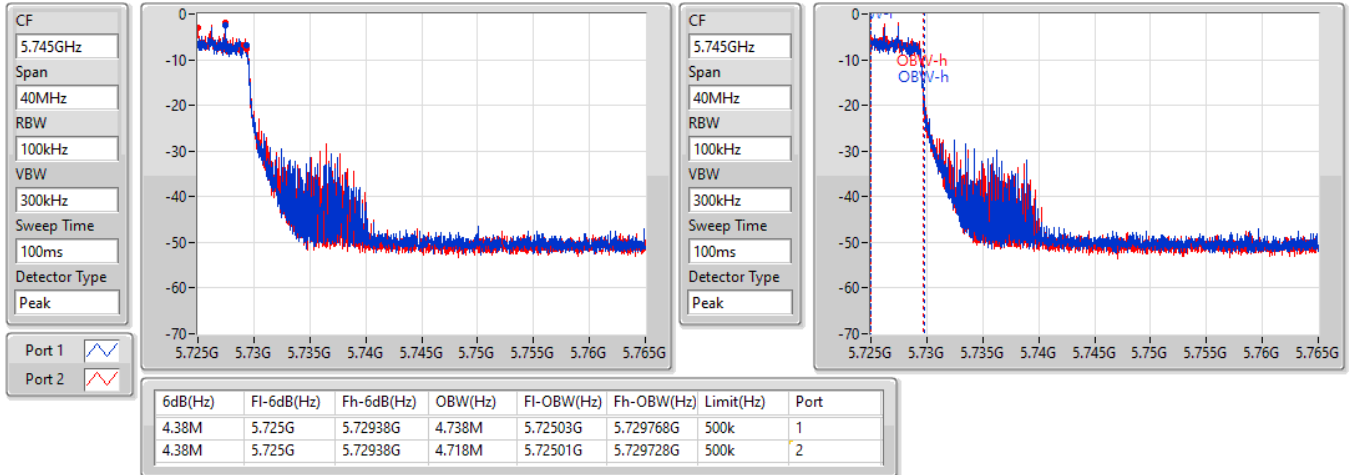


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

### 5720MHz Straddle 5.725-5.85GHz

03/11/2021

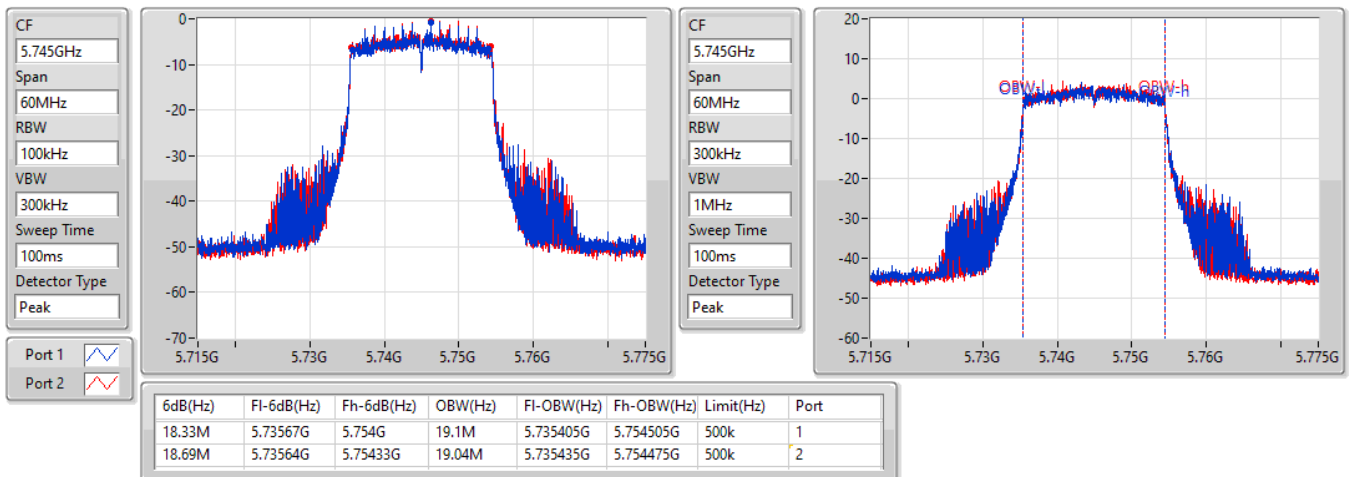


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

### 5745MHz

03/11/2021

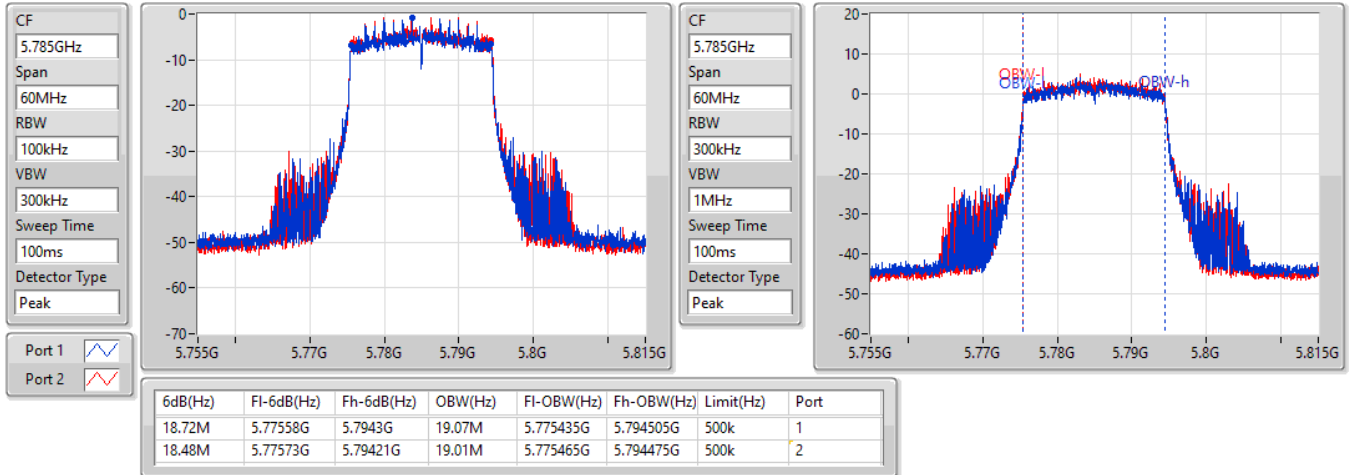


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5785MHz

03/11/2021

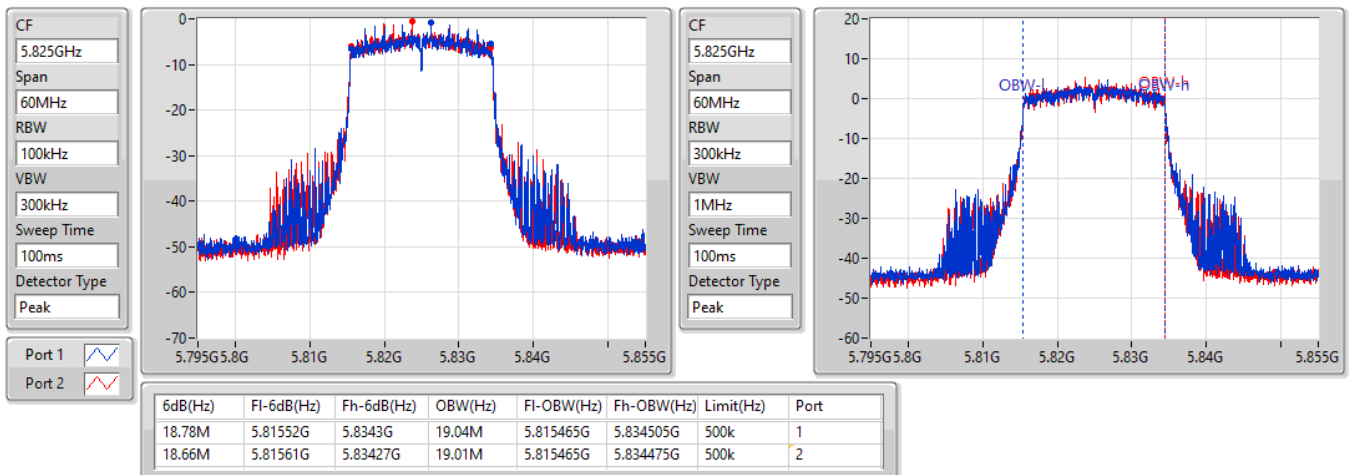


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

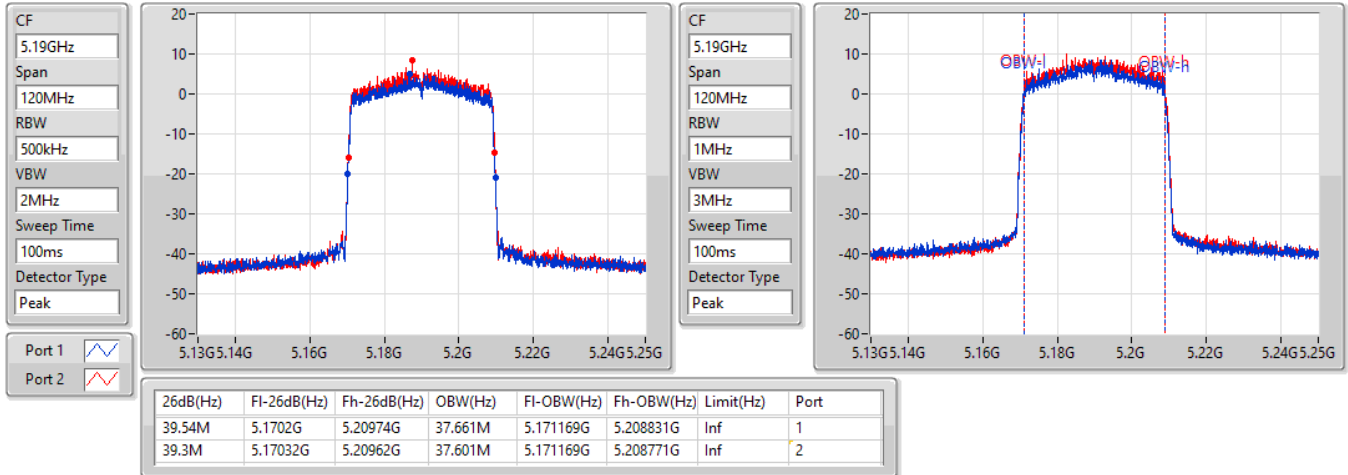
5825MHz

03/11/2021

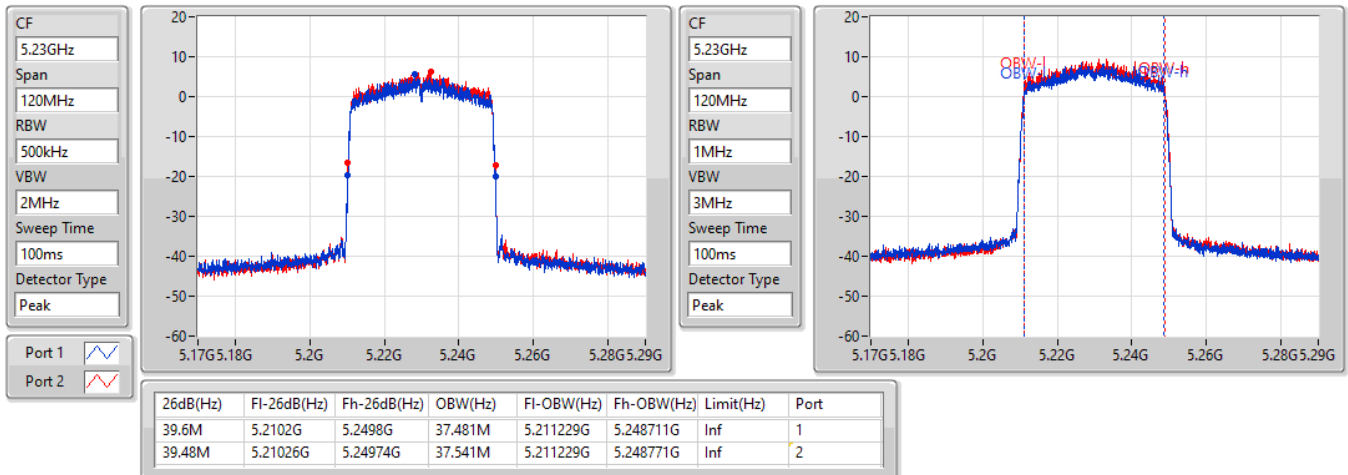


**802.11ax HEW40\_Nss1,(MCS0)\_2TX**
**EBW**
**5190MHz**

03/11/2021


**802.11ax HEW40\_Nss1,(MCS0)\_2TX**
**EBW**
**5230MHz**

03/11/2021

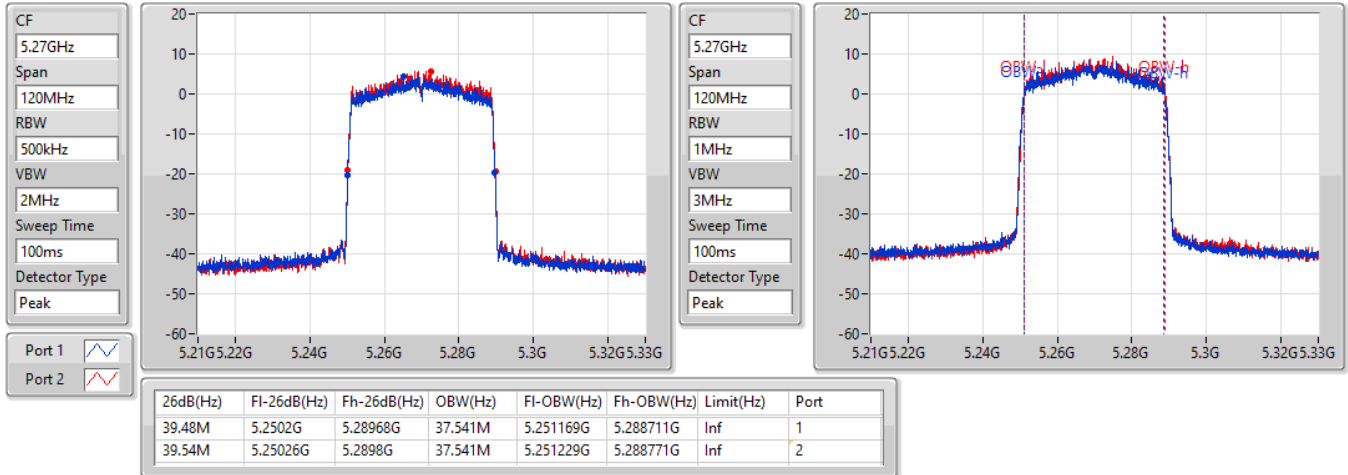


## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5270MHz

03/11/2021

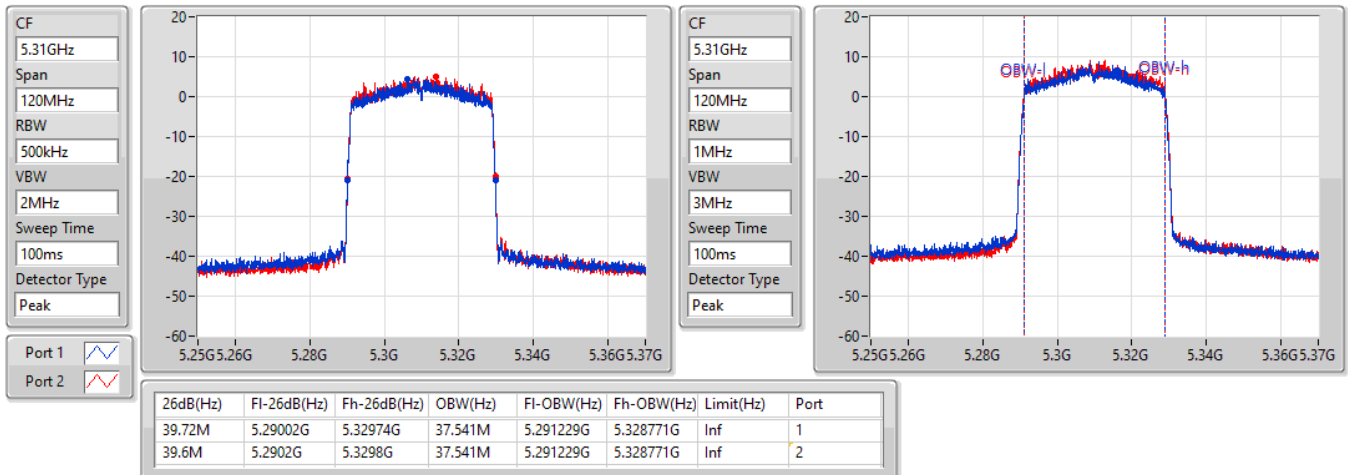


## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

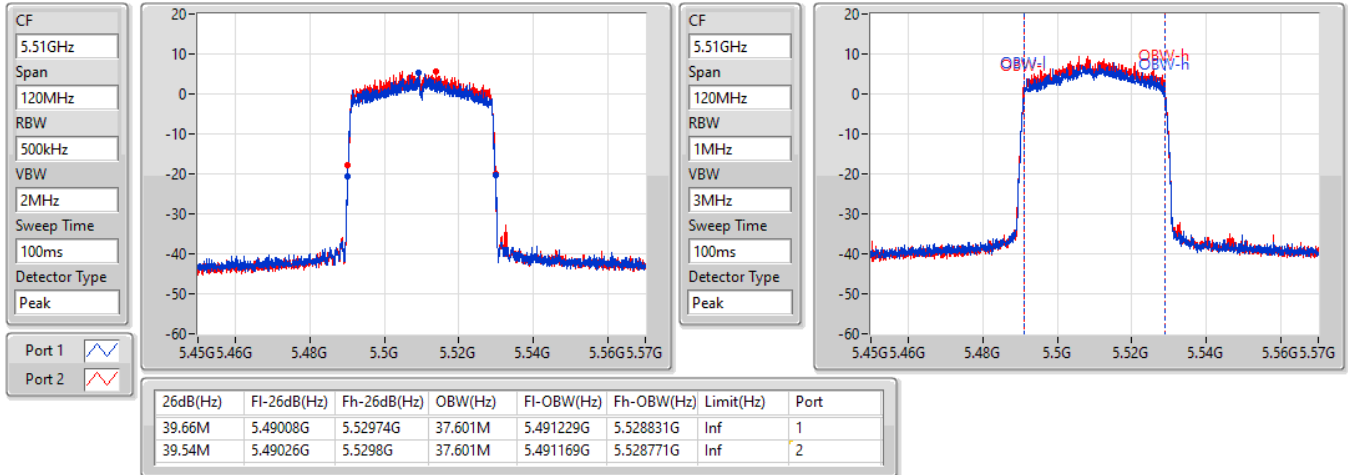
5310MHz

03/11/2021

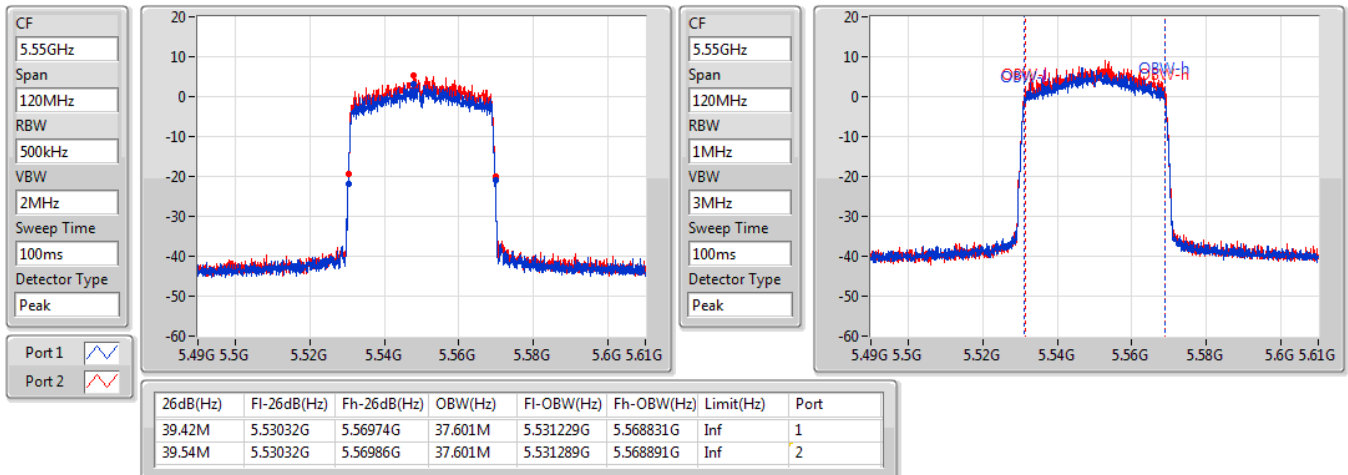


**802.11ax HEW40\_Nss1,(MCS0)\_2TX**
**EBW**
**5510MHz**

03/11/2021


**802.11ax HEW40\_Nss1,(MCS0)\_2TX**
**EBW**
**5550MHz**

19/10/2021

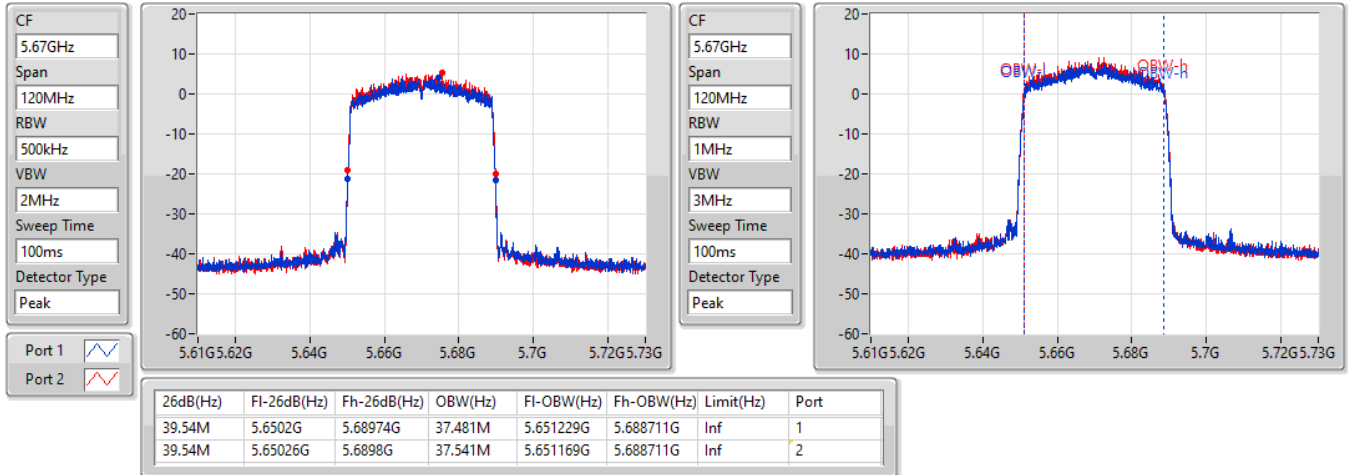


## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5670MHz

03/11/2021

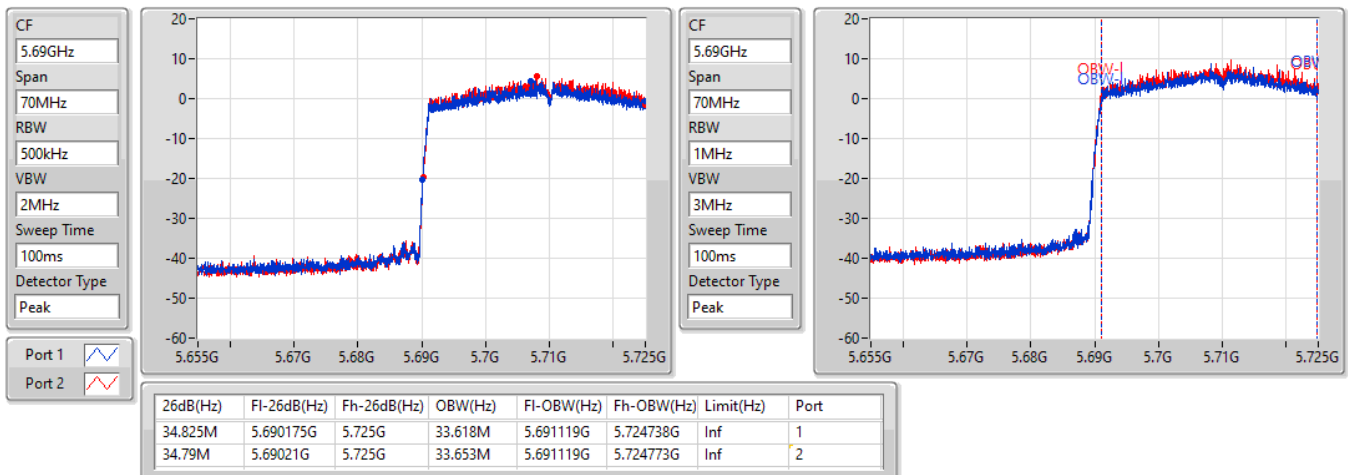


## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

03/11/2021

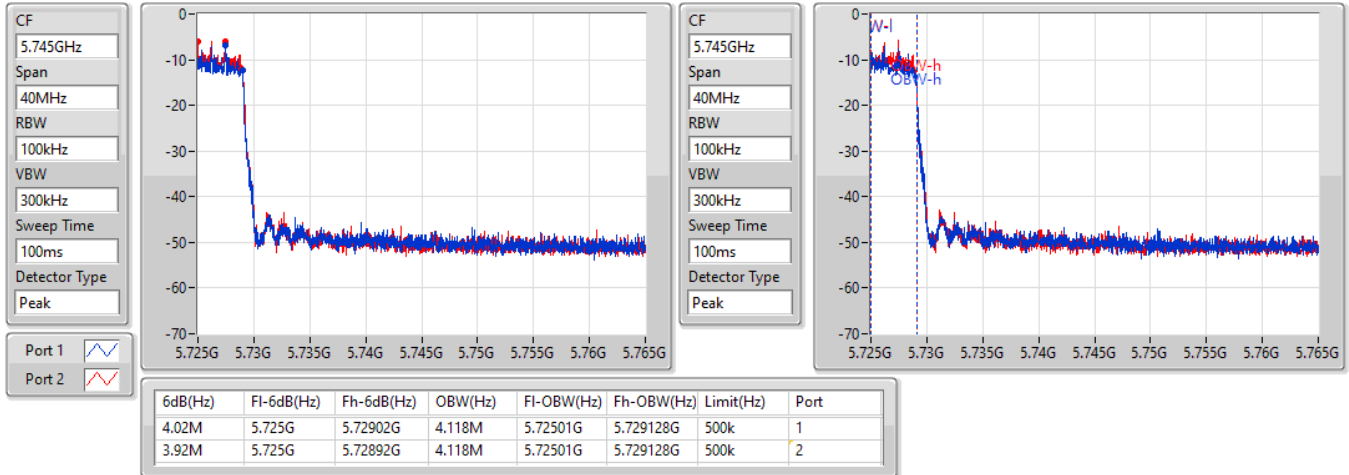


## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

### 5710MHz Straddle 5.725-5.85GHz

03/11/2021

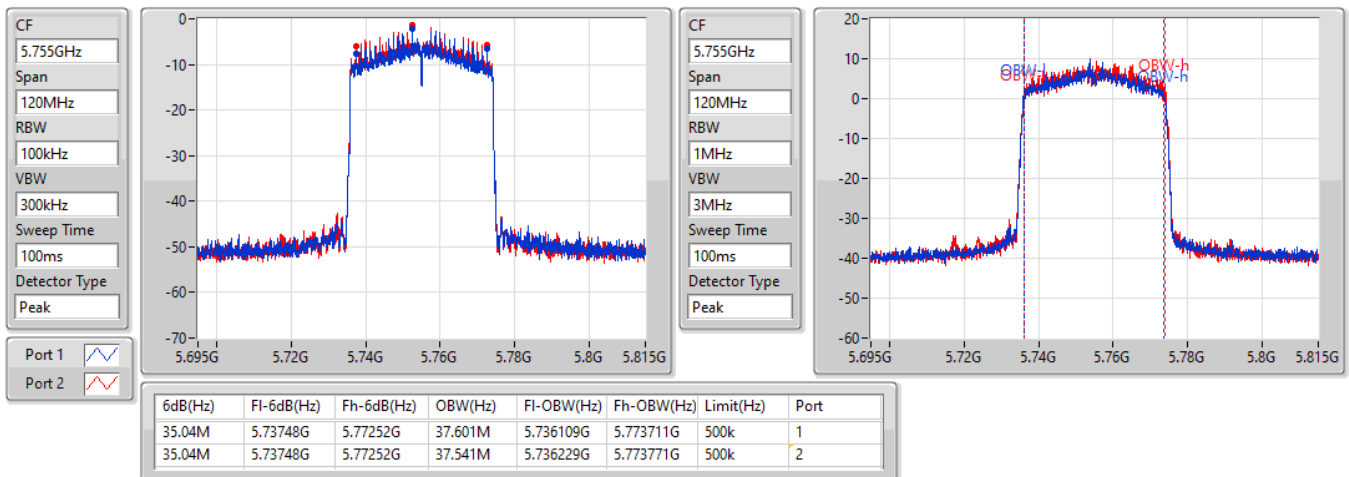


## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

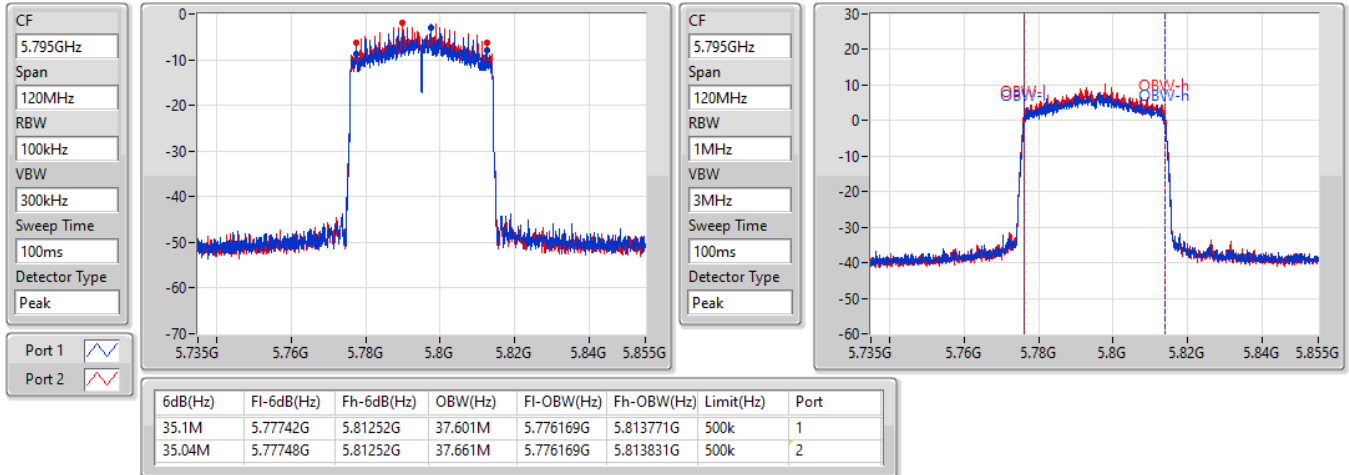
### 5755MHz

03/11/2021

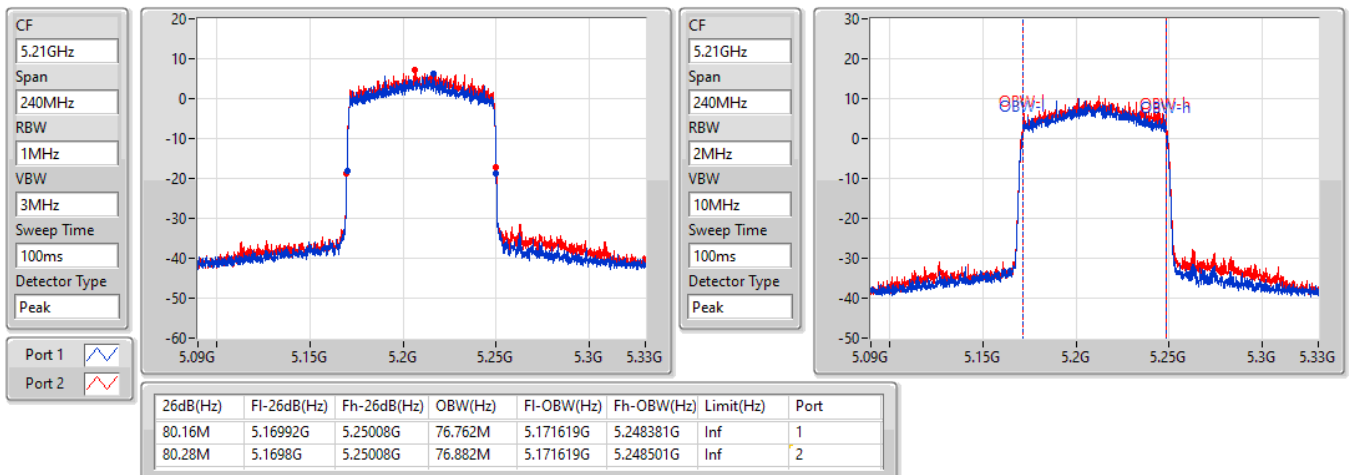


**802.11ax HEW40\_Nss1,(MCS0)\_2TX**
**EBW**
**5795MHz**

03/11/2021


**802.11ax HEW80\_Nss1,(MCS0)\_2TX**
**EBW**
**5210MHz**

03/11/2021

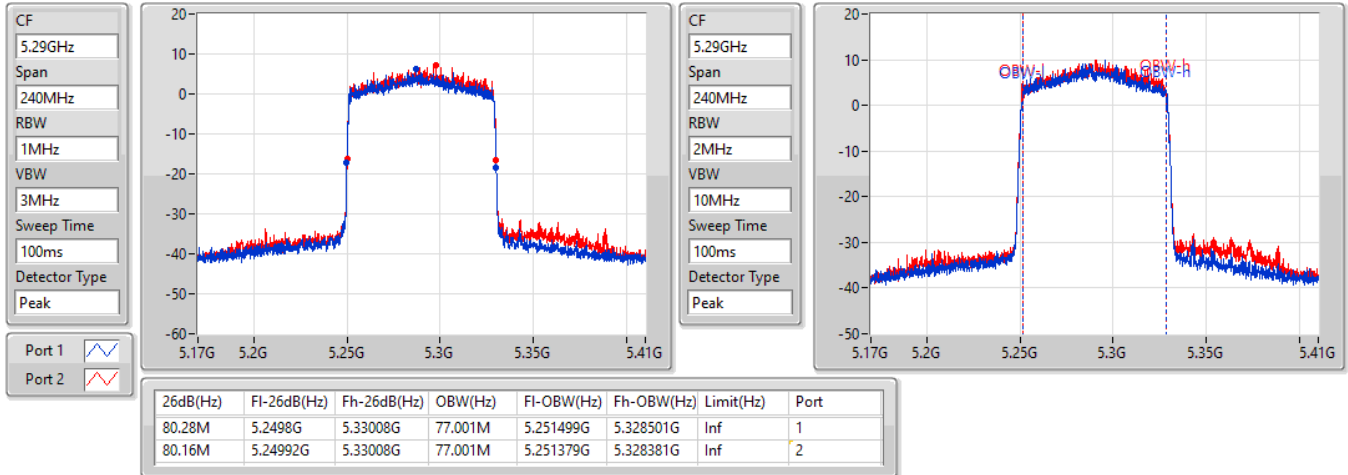


## 802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5290MHz

03/11/2021

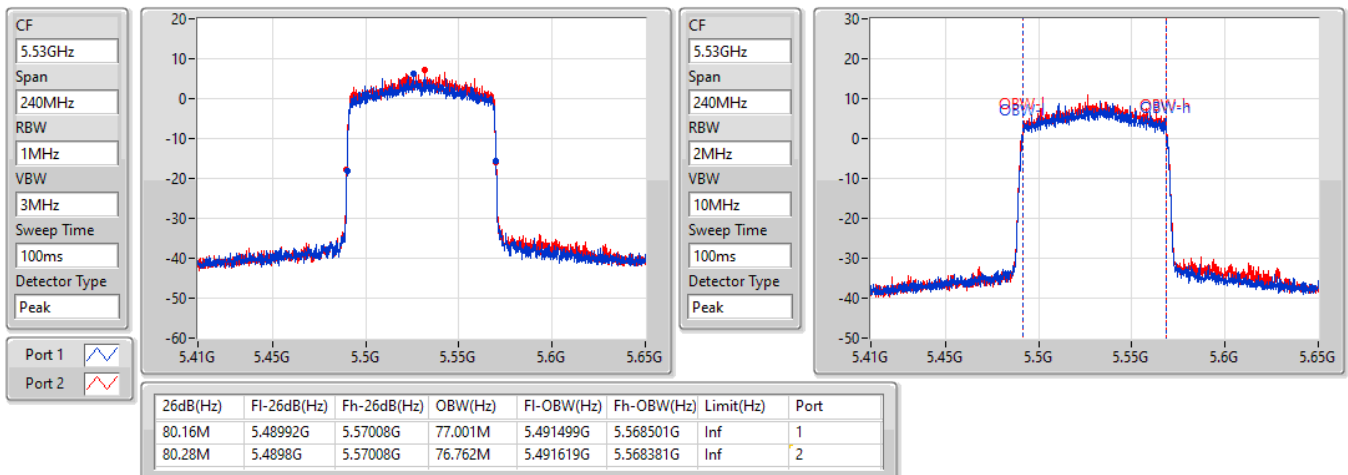


## 802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5530MHz

03/11/2021

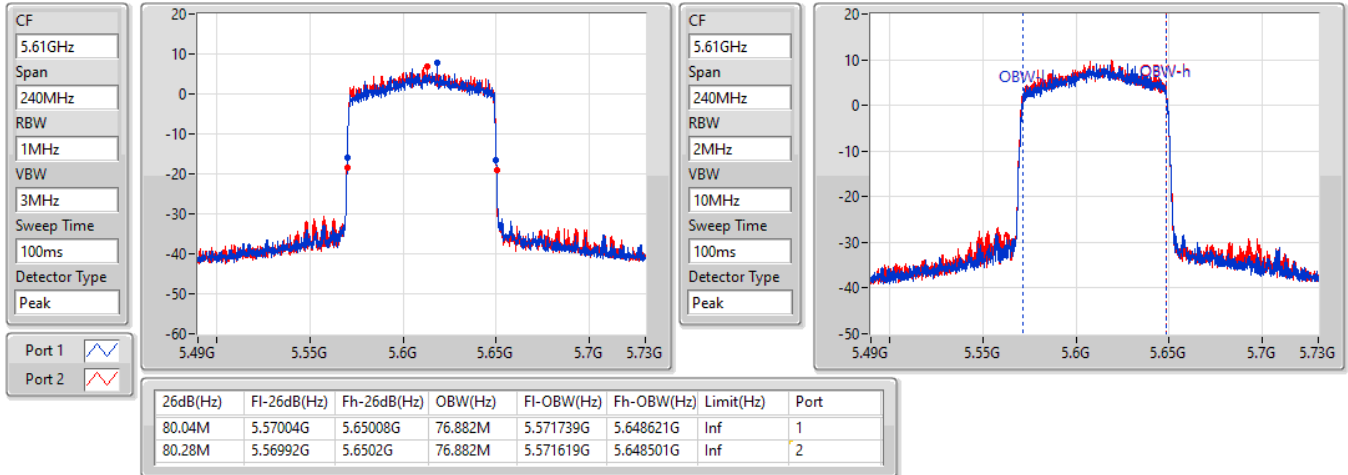


## 802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5610MHz

03/11/2021

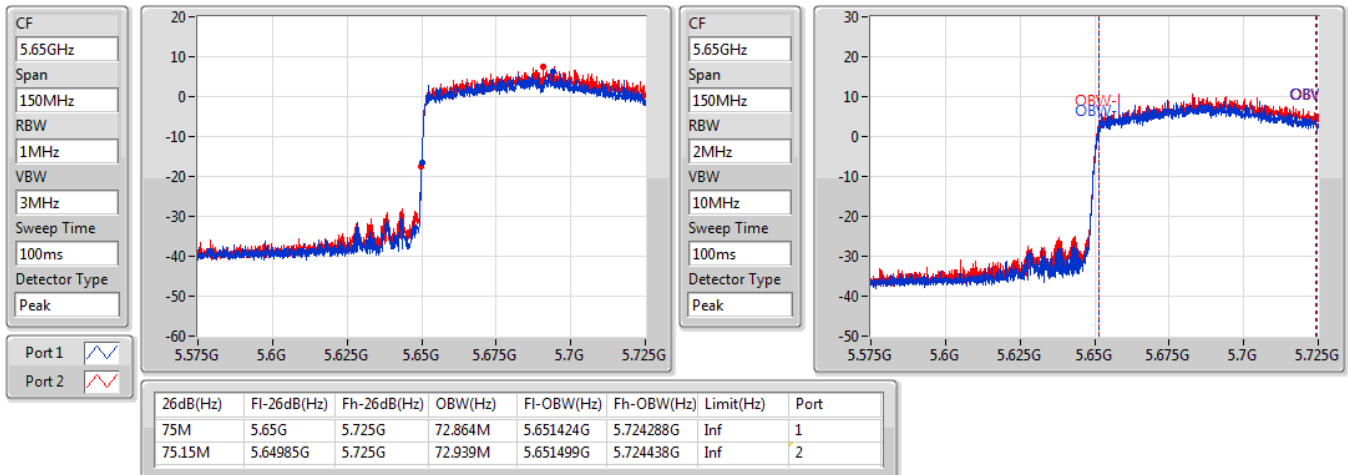


## 802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

19/10/2021

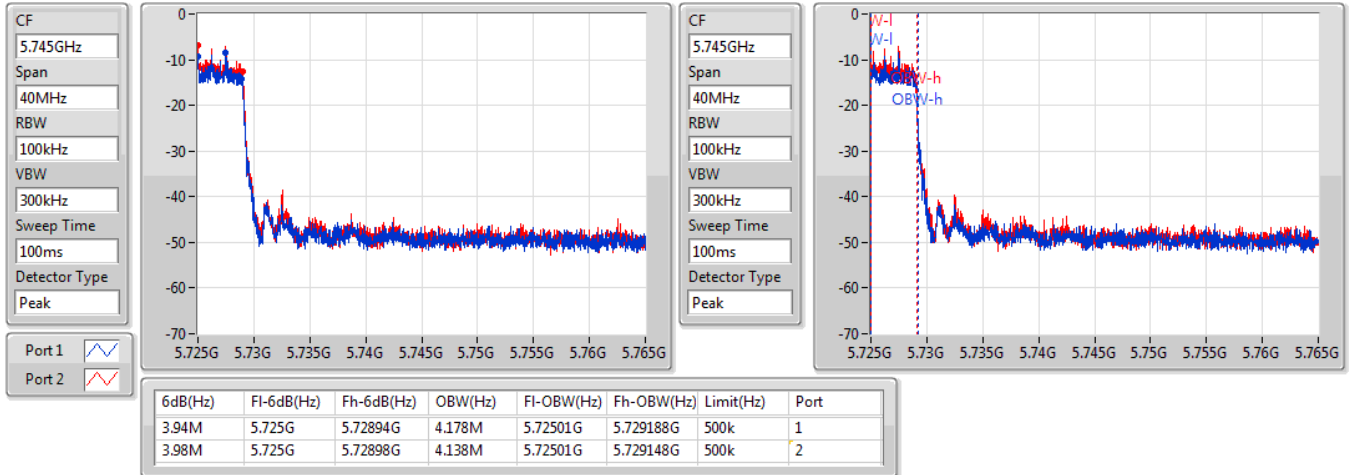


## 802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

### 5690MHz Straddle 5.725-5.85GHz

19/10/2021

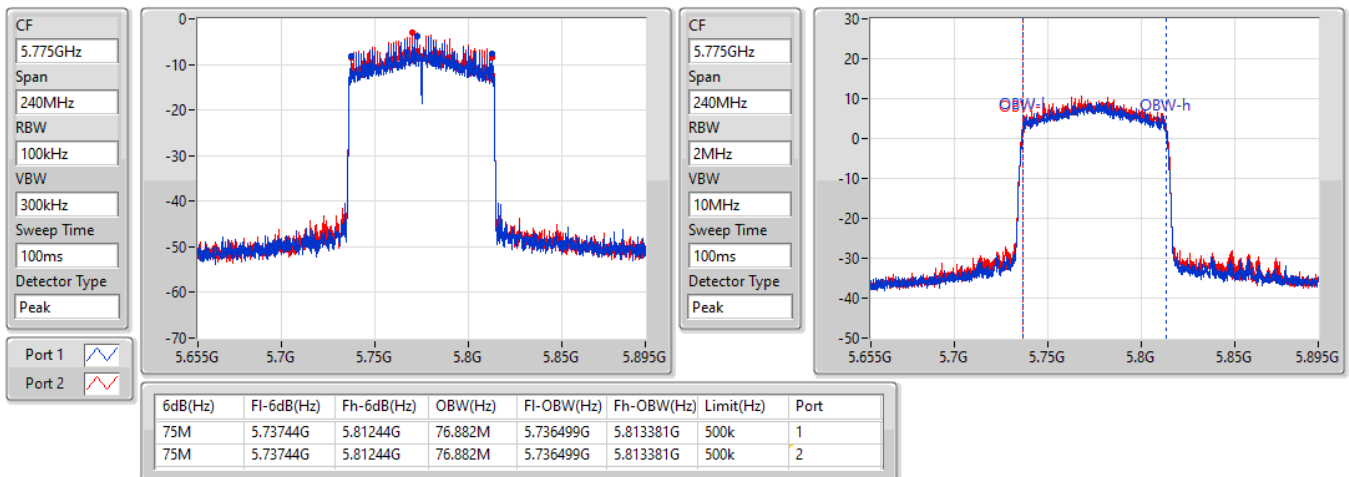


## 802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

### 5775MHz

03/11/2021



## Summary

| Mode                           | Total Power<br>(dBm) | Total Power<br>(W) | EIRP<br>(dBm) | EIRP<br>(W) |
|--------------------------------|----------------------|--------------------|---------------|-------------|
| 5.15-5.25GHz                   | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_2TX       | 14.86                | 0.03062            | 18.08         | 0.06427     |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 14.41                | 0.02761            | 17.63         | 0.05794     |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 14.89                | 0.03083            | 18.11         | 0.06471     |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 15.43                | 0.03491            | 18.65         | 0.07328     |
| 5.25-5.35GHz                   | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_2TX       | 14.76                | 0.02992            | 17.98         | 0.06281     |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 14.20                | 0.02630            | 17.42         | 0.05521     |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 14.75                | 0.02985            | 17.97         | 0.06266     |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 15.70                | 0.03715            | 18.92         | 0.07798     |
| 5.47-5.725GHz                  | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_2TX       | 14.95                | 0.03126            | 18.53         | 0.07129     |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 14.40                | 0.02754            | 17.98         | 0.06281     |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 14.77                | 0.02999            | 18.35         | 0.06839     |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 15.55                | 0.03589            | 19.13         | 0.08185     |
| 5.725-5.85GHz                  | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_2TX       | 14.98                | 0.03148            | 18.37         | 0.06871     |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 14.46                | 0.02793            | 17.85         | 0.06095     |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 14.62                | 0.02897            | 18.01         | 0.06324     |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 15.84                | 0.03837            | 19.23         | 0.08375     |

## Result

| Mode                           | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Total Power (dBm) | Power Limit (dBm) | EIRP (dBm) | EIRP Limit (dBm) |
|--------------------------------|--------|----------|--------------|--------------|-------------------|-------------------|------------|------------------|
| 802.11a_Nss1,(6Mbps)_2TX       | -      | -        | -            | -            | -                 | -                 | -          | -                |
| 5180MHz                        | Pass   | 3.22     | 11.26        | 12.10        | 14.71             | 23.98             | 17.93      | 30.00            |
| 5200MHz                        | Pass   | 3.22     | 11.39        | 12.18        | 14.81             | 23.98             | 18.03      | 30.00            |
| 5240MHz                        | Pass   | 3.22     | 11.46        | 12.21        | 14.86             | 23.98             | 18.08      | 30.00            |
| 5260MHz                        | Pass   | 3.22     | 11.11        | 12.05        | 14.62             | 23.98             | 17.84      | 30.00            |
| 5300MHz                        | Pass   | 3.22     | 11.35        | 12.12        | 14.76             | 23.98             | 17.98      | 30.00            |
| 5320MHz                        | Pass   | 3.22     | 11.19        | 12.20        | 14.73             | 23.98             | 17.95      | 30.00            |
| 5500MHz                        | Pass   | 3.58     | 11.49        | 12.28        | 14.91             | 23.98             | 18.49      | 30.00            |
| 5580MHz                        | Pass   | 3.58     | 11.53        | 12.29        | 14.94             | 23.98             | 18.52      | 30.00            |
| 5700MHz                        | Pass   | 3.58     | 11.43        | 12.08        | 14.78             | 23.98             | 18.36      | 30.00            |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | 3.58     | 11.55        | 12.29        | 14.95             | 23.36             | 18.53      | 29.36            |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 3.39     | 4.67         | 5.42         | 8.07              | 30.00             | 11.46      | 36.00            |
| 5745MHz                        | Pass   | 3.39     | 11.13        | 12.20        | 14.71             | 30.00             | 18.10      | 36.00            |
| 5785MHz                        | Pass   | 3.39     | 11.10        | 11.91        | 14.53             | 30.00             | 17.92      | 36.00            |
| 5825MHz                        | Pass   | 3.39     | 11.54        | 12.36        | 14.98             | 30.00             | 18.37      | 36.00            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -        | -            | -            | -                 | -                 | -          | -                |
| 5180MHz                        | Pass   | 3.22     | 11.00        | 11.77        | 14.41             | 23.98             | 17.63      | 30.00            |
| 5200MHz                        | Pass   | 3.22     | 11.03        | 11.69        | 14.38             | 23.98             | 17.60      | 30.00            |
| 5240MHz                        | Pass   | 3.22     | 11.18        | 11.54        | 14.37             | 23.98             | 17.59      | 30.00            |
| 5260MHz                        | Pass   | 3.22     | 10.77        | 11.58        | 14.20             | 23.98             | 17.42      | 30.00            |
| 5300MHz                        | Pass   | 3.22     | 10.37        | 11.13        | 13.78             | 23.98             | 17.00      | 30.00            |
| 5320MHz                        | Pass   | 3.22     | 10.40        | 11.23        | 13.85             | 23.98             | 17.07      | 30.00            |
| 5500MHz                        | Pass   | 3.58     | 10.83        | 11.26        | 14.06             | 23.98             | 17.64      | 30.00            |
| 5580MHz                        | Pass   | 3.58     | 11.28        | 11.37        | 14.34             | 23.98             | 17.92      | 30.00            |
| 5700MHz                        | Pass   | 3.58     | 11.13        | 11.40        | 14.28             | 23.98             | 17.86      | 30.00            |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | 3.58     | 11.22        | 11.56        | 14.40             | 23.12             | 17.98      | 29.12            |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 3.39     | 5.28         | 5.76         | 8.54              | 30.00             | 11.93      | 36.00            |
| 5745MHz                        | Pass   | 3.39     | 11.08        | 11.50        | 14.31             | 30.00             | 17.70      | 36.00            |
| 5785MHz                        | Pass   | 3.39     | 10.93        | 11.41        | 14.19             | 30.00             | 17.58      | 36.00            |
| 5825MHz                        | Pass   | 3.39     | 11.15        | 11.73        | 14.46             | 30.00             | 17.85      | 36.00            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -        | -            | -            | -                 | -                 | -          | -                |
| 5190MHz                        | Pass   | 3.22     | 11.17        | 12.49        | 14.89             | 23.98             | 18.11      | 30.00            |
| 5230MHz                        | Pass   | 3.22     | 11.34        | 12.22        | 14.81             | 23.98             | 18.03      | 30.00            |
| 5270MHz                        | Pass   | 3.22     | 11.05        | 11.92        | 14.52             | 23.98             | 17.74      | 30.00            |
| 5310MHz                        | Pass   | 3.22     | 11.32        | 12.12        | 14.75             | 23.98             | 17.97      | 30.00            |
| 5510MHz                        | Pass   | 3.58     | 11.03        | 12.11        | 14.61             | 23.98             | 18.19      | 30.00            |
| 5550MHz                        | Pass   | 3.58     | 10.98        | 11.88        | 14.46             | 23.98             | 18.04      | 30.00            |
| 5670MHz                        | Pass   | 3.58     | 11.11        | 11.80        | 14.48             | 23.98             | 18.06      | 30.00            |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | 3.58     | 11.32        | 12.15        | 14.77             | 23.98             | 18.35      | 30.00            |
| 5710MHz Straddle 5.725-5.85GHz | Pass   | 3.39     | -0.35        | 0.74         | 3.24              | 30.00             | 6.63       | 36.00            |
| 5755MHz                        | Pass   | 3.39     | 11.20        | 11.99        | 14.62             | 30.00             | 18.01      | 36.00            |
| 5795MHz                        | Pass   | 3.39     | 11.12        | 11.97        | 14.58             | 30.00             | 17.97      | 36.00            |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | -      | -        | -            | -            | -                 | -                 | -          | -                |
| 5210MHz                        | Pass   | 3.22     | 11.98        | 12.82        | 15.43             | 23.98             | 18.65      | 30.00            |
| 5290MHz                        | Pass   | 3.22     | 12.37        | 12.99        | 15.70             | 23.98             | 18.92      | 30.00            |
| 5530MHz                        | Pass   | 3.58     | 12.06        | 12.88        | 15.50             | 23.98             | 19.08      | 30.00            |
| 5610MHz                        | Pass   | 3.58     | 12.36        | 12.72        | 15.55             | 23.98             | 19.13      | 30.00            |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | 3.58     | 11.99        | 13.03        | 15.55             | 23.98             | 19.13      | 30.00            |
| 5690MHz Straddle 5.725-5.85GHz | Pass   | 3.39     | -3.27        | -1.87        | 0.50              | 30.00             | 3.89       | 36.00            |
| 5775MHz                        | Pass   | 3.39     | 12.50        | 13.14        | 15.84             | 30.00             | 19.23      | 36.00            |

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

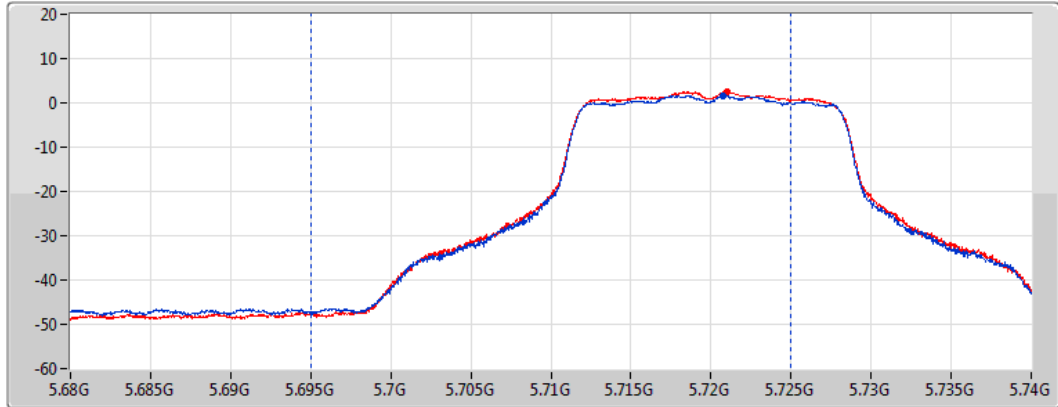
## 802.11a\_Nss1,(6Mbps)\_2TX

## AV Power

### 5720MHz Straddle 5.47-5.725GHz\_TnomVnom

03/11/2021

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



Port1   
Port2 

Sum= Total Power  
PX=Port X

| Sum(dBm) | P1(dBm) | P2(dBm) |
|----------|---------|---------|
| 14.95    | 11.55   | 12.29   |

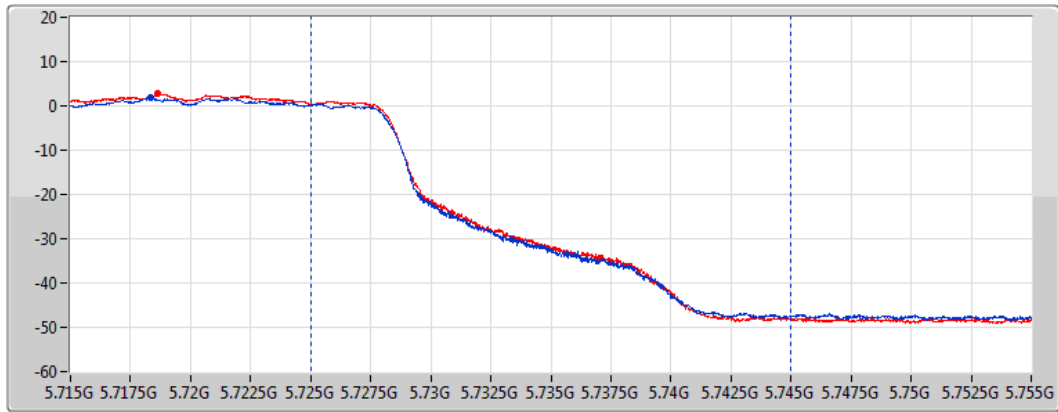
## 802.11a\_Nss1,(6Mbps)\_2TX

## AV Power

### 5720MHz Straddle 5.725-5.85GHz\_TnomVnom

03/11/2021

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



Port1   
Port2 

Sum= Total Power  
PX=Port X

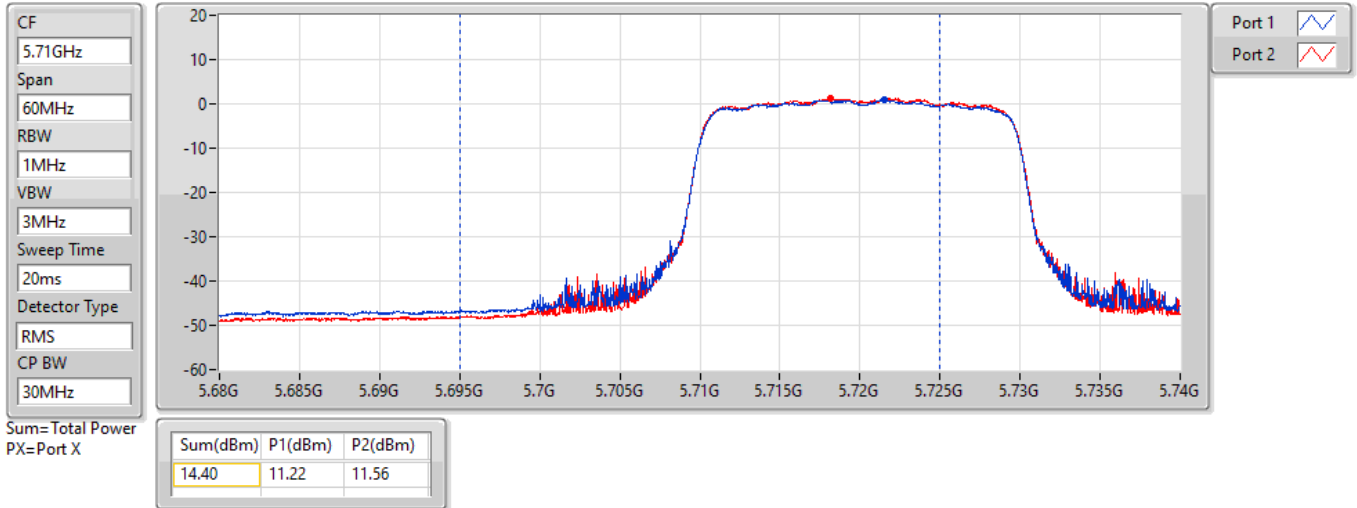
| Sum(dBm) | P1(dBm) | P2(dBm) |
|----------|---------|---------|
| 8.07     | 4.67    | 5.42    |

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

## AV Power

### 5720MHz Straddle 5.47-5.725GHz\_TnomVnom

03/11/2021

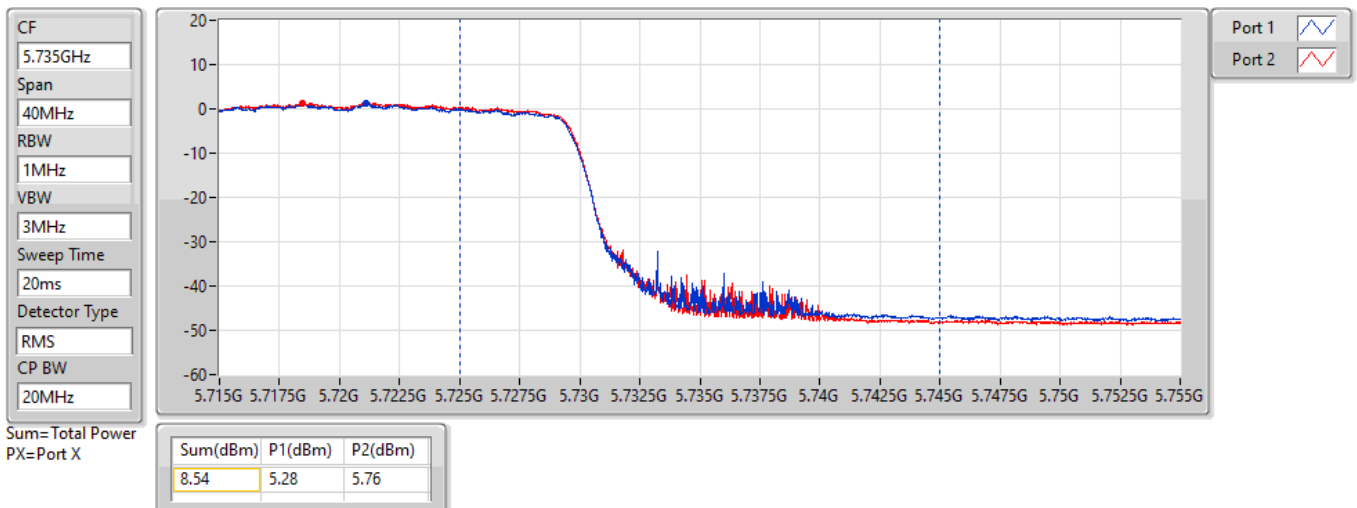


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

## AV Power

### 5720MHz Straddle 5.725-5.85GHz\_TnomVnom

03/11/2021

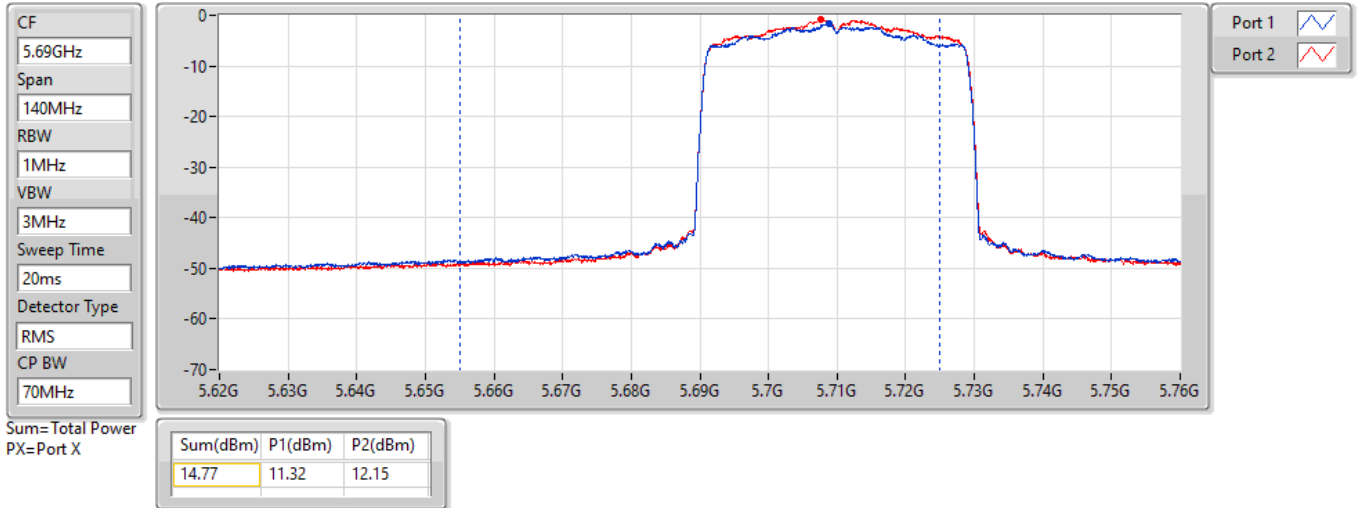


## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

## AV Power

### 5710MHz Straddle 5.47-5.725GHz\_TnomVnom

03/11/2021

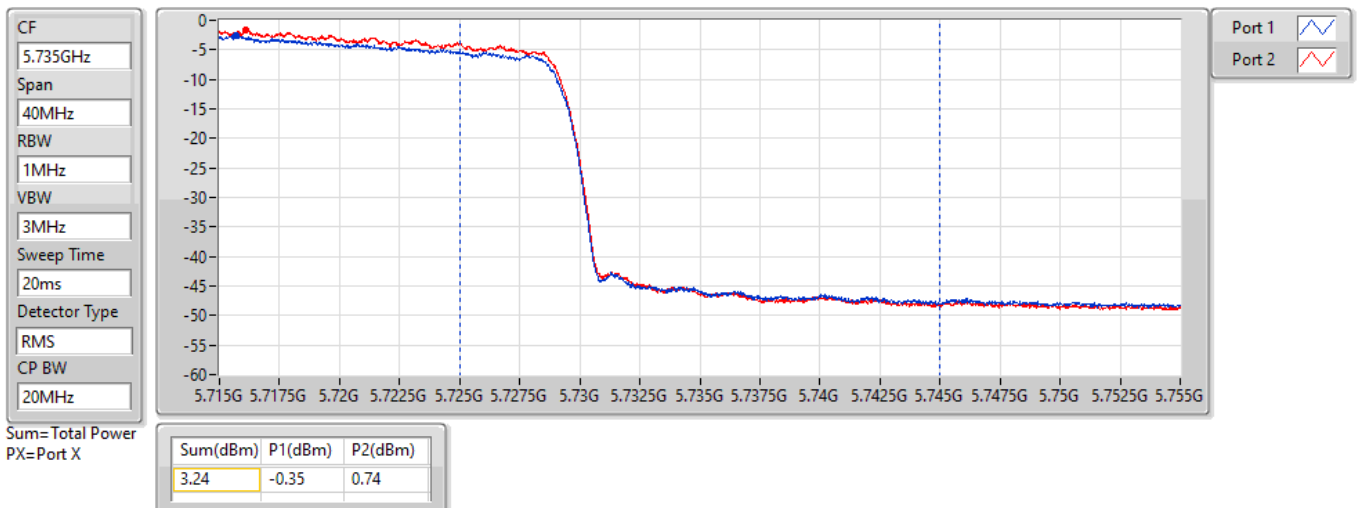


## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

## AV Power

### 5710MHz Straddle 5.725-5.85GHz\_TnomVnom

03/11/2021

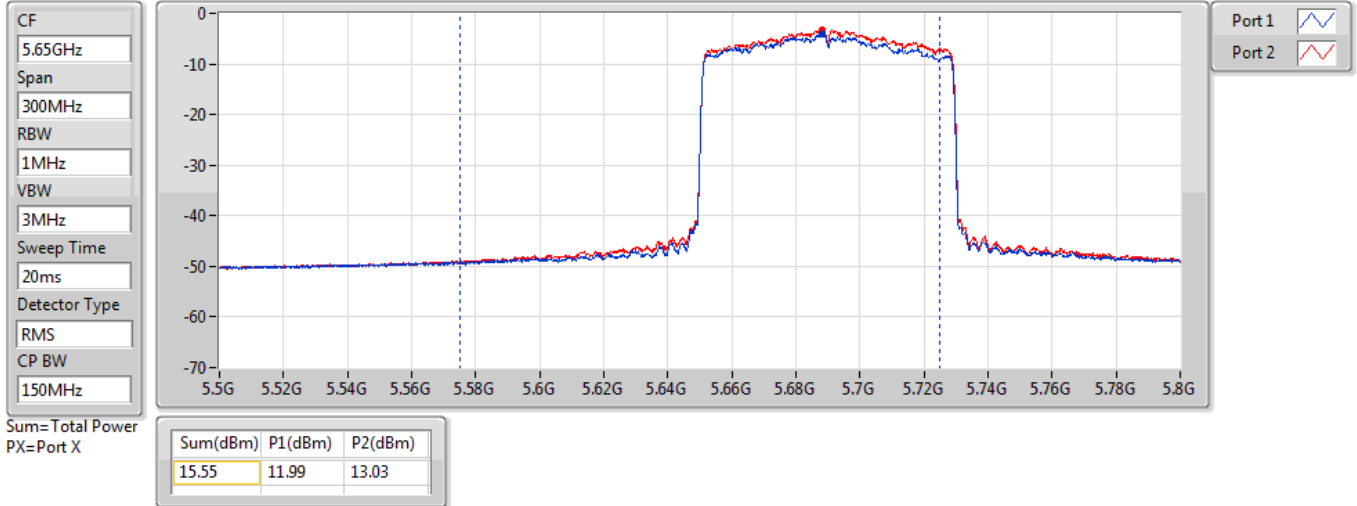


## 802.11ax HEW80\_Nss1,(MCS0)\_2TX

## AV Power

### 5690MHz Straddle 5.47-5.725GHz\_TnomVnom

19/10/2021

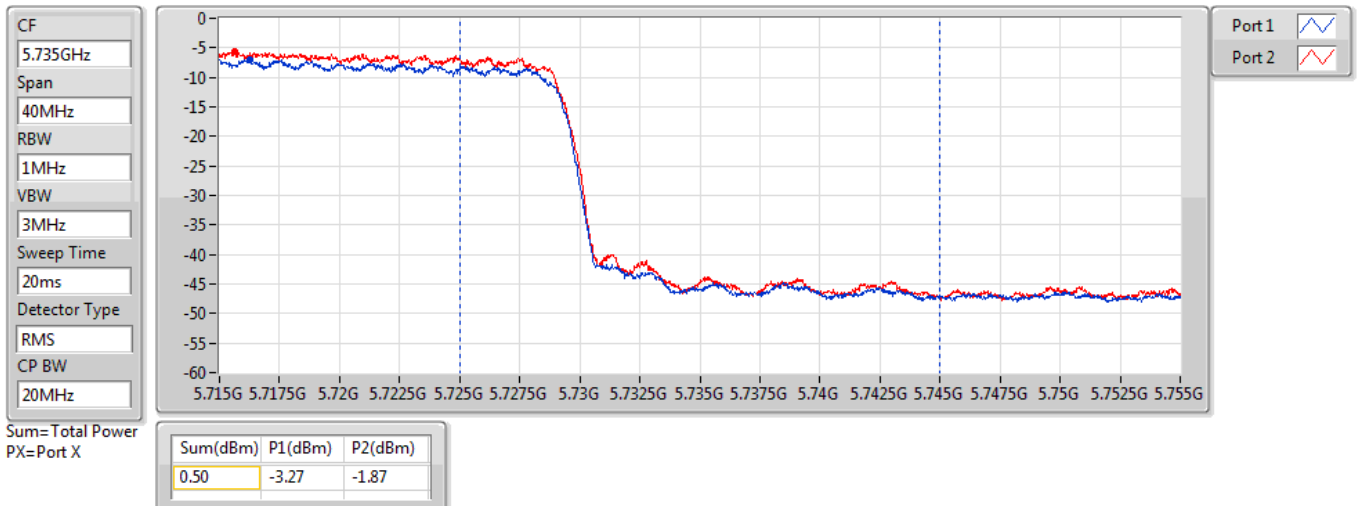


## 802.11ax HEW80\_Nss1,(MCS0)\_2TX

## AV Power

### 5690MHz Straddle 5.725-5.85GHz\_TnomVnom

19/10/2021



**Summary**

| Mode                           | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) |
|--------------------------------|-----------------|----------------------|
| 5.15-5.25GHz                   | -               | -                    |
| 802.11a_Nss1,(6Mbps)_2TX       | 3.44            | 9.67                 |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 3.66            | 9.89                 |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 1.78            | 8.01                 |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | -1.33           | 4.90                 |
| 5.25-5.35GHz                   | -               | -                    |
| 802.11a_Nss1,(6Mbps)_2TX       | 3.67            | 9.90                 |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 2.46            | 8.69                 |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 1.84            | 8.07                 |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | -1.24           | 4.99                 |
| 5.47-5.725GHz                  | -               | -                    |
| 802.11a_Nss1,(6Mbps)_2TX       | 3.69            | 10.28                |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 3.73            | 10.32                |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 0.95            | 7.54                 |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | -2.25           | 4.34                 |
| 5.725-5.85GHz                  | -               | -                    |
| 802.11a_Nss1,(6Mbps)_2TX       | 2.23            | 8.63                 |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 2.35            | 8.75                 |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -0.68           | 5.72                 |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | -3.58           | 2.82                 |

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

**Result**

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) | EIRP PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 802.11a_Nss1,(6Mbps)_2TX       | -      | -           | -                   | -                   | -               | -                     | -                    | -                          |
| 5180MHz                        | Pass   | 6.23        | -0.46               | 0.52                | 3.02            | 10.77                 | 9.25                 | 17.00                      |
| 5200MHz                        | Pass   | 6.23        | -0.01               | 0.74                | 3.34            | 10.77                 | 9.57                 | 17.00                      |
| 5240MHz                        | Pass   | 6.23        | 0.36                | 0.96                | 3.44            | 10.77                 | 9.67                 | 17.00                      |
| 5260MHz                        | Pass   | 6.23        | 0.24                | 1.21                | 3.67            | 10.77                 | 9.90                 | 17.00                      |
| 5300MHz                        | Pass   | 6.23        | 0.43                | 0.75                | 3.54            | 10.77                 | 9.77                 | 17.00                      |
| 5320MHz                        | Pass   | 6.23        | 0.23                | 1.01                | 3.50            | 10.77                 | 9.73                 | 17.00                      |
| 5500MHz                        | Pass   | 6.59        | 0.65                | 0.83                | 3.66            | 10.41                 | 10.25                | 17.00                      |
| 5580MHz                        | Pass   | 6.59        | 0.67                | 1.41                | 3.69            | 10.41                 | 10.28                | 17.00                      |
| 5700MHz                        | Pass   | 6.59        | 0.13                | 1.33                | 3.37            | 10.41                 | 9.96                 | 17.00                      |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | 6.59        | 0.31                | 1.45                | 3.55            | 10.41                 | 10.14                | 17.00                      |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 6.40        | -2.41               | -1.46               | 0.90            | 29.60                 | 7.30                 | 36.00                      |
| 5745MHz                        | Pass   | 6.40        | -2.41               | -1.39               | 1.05            | 29.60                 | 7.45                 | 36.00                      |
| 5785MHz                        | Pass   | 6.40        | -2.36               | -1.61               | 0.97            | 29.60                 | 7.37                 | 36.00                      |
| 5825MHz                        | Pass   | 6.40        | -1.08               | -0.27               | 2.23            | 29.60                 | 8.63                 | 36.00                      |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     | -                    | -                          |
| 5180MHz                        | Pass   | 6.23        | 0.56                | 1.08                | 3.41            | 10.77                 | 9.64                 | 17.00                      |
| 5200MHz                        | Pass   | 6.23        | 0.23                | 0.91                | 3.51            | 10.77                 | 9.74                 | 17.00                      |
| 5240MHz                        | Pass   | 6.23        | 0.72                | 1.12                | 3.66            | 10.77                 | 9.89                 | 17.00                      |
| 5260MHz                        | Pass   | 6.23        | -0.87               | -0.26               | 2.46            | 10.77                 | 8.69                 | 17.00                      |
| 5300MHz                        | Pass   | 6.23        | -1.46               | -0.67               | 1.89            | 10.77                 | 8.12                 | 17.00                      |
| 5320MHz                        | Pass   | 6.23        | -1.35               | -0.48               | 2.10            | 10.77                 | 8.33                 | 17.00                      |
| 5500MHz                        | Pass   | 6.59        | 0.14                | 0.51                | 3.27            | 10.41                 | 9.86                 | 17.00                      |
| 5580MHz                        | Pass   | 6.59        | 0.86                | 0.89                | 3.73            | 10.41                 | 10.32                | 17.00                      |
| 5700MHz                        | Pass   | 6.59        | 0.58                | 0.94                | 3.47            | 10.41                 | 10.06                | 17.00                      |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | 6.59        | 0.57                | 0.97                | 3.49            | 10.41                 | 10.08                | 17.00                      |
| 5720MHz Straddle 5.725-5.85GHz | Pass   | 6.40        | -2.04               | -1.48               | 1.26            | 29.60                 | 7.66                 | 36.00                      |
| 5745MHz                        | Pass   | 6.40        | -1.11               | -0.55               | 2.02            | 29.60                 | 8.42                 | 36.00                      |
| 5785MHz                        | Pass   | 6.40        | -0.87               | -0.67               | 2.03            | 29.60                 | 8.43                 | 36.00                      |
| 5825MHz                        | Pass   | 6.40        | -0.91               | -0.34               | 2.35            | 29.60                 | 8.75                 | 36.00                      |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     | -                    | -                          |
| 5190MHz                        | Pass   | 6.23        | -2.18               | -1.14               | 1.06            | 10.77                 | 7.29                 | 17.00                      |
| 5230MHz                        | Pass   | 6.23        | -1.57               | -0.38               | 1.78            | 10.77                 | 8.01                 | 17.00                      |
| 5270MHz                        | Pass   | 6.23        | -2.14               | -1.11               | 1.27            | 10.77                 | 7.50                 | 17.00                      |
| 5310MHz                        | Pass   | 6.23        | -1.05               | -1.05               | 1.84            | 10.77                 | 8.07                 | 17.00                      |
| 5510MHz                        | Pass   | 6.59        | -2.51               | -1.51               | 0.76            | 10.41                 | 7.35                 | 17.00                      |
| 5550MHz                        | Pass   | 6.59        | -4.48               | -1.81               | -0.10           | 10.41                 | 6.49                 | 17.00                      |
| 5670MHz                        | Pass   | 6.59        | -1.85               | -1.37               | 0.95            | 10.41                 | 7.54                 | 17.00                      |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | 6.59        | -2.96               | -1.41               | 0.65            | 10.41                 | 7.24                 | 17.00                      |
| 5710MHz Straddle 5.725-5.85GHz | Pass   | 6.40        | -8.11               | -6.74               | -4.63           | 29.60                 | 1.77                 | 36.00                      |
| 5755MHz                        | Pass   | 6.40        | -3.79               | -3.04               | -0.68           | 29.60                 | 5.72                 | 36.00                      |
| 5795MHz                        | Pass   | 6.40        | -3.63               | -2.95               | -0.68           | 29.60                 | 5.72                 | 36.00                      |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     | -                    | -                          |
| 5210MHz                        | Pass   | 6.23        | -4.70               | -2.57               | -1.33           | 10.77                 | 4.90                 | 17.00                      |
| 5290MHz                        | Pass   | 6.23        | -3.86               | -3.98               | -1.24           | 10.77                 | 4.99                 | 17.00                      |
| 5530MHz                        | Pass   | 6.59        | -5.33               | -4.95               | -2.30           | 10.41                 | 4.29                 | 17.00                      |
| 5610MHz                        | Pass   | 6.59        | -5.03               | -4.45               | -2.26           | 10.41                 | 4.33                 | 17.00                      |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | 6.59        | -5.90               | -4.49               | -2.25           | 10.41                 | 4.34                 | 17.00                      |
| 5690MHz Straddle 5.725-5.85GHz | Pass   | 6.40        | -11.37              | -10.00              | -7.67           | 29.60                 | -1.27                | 36.00                      |
| 5775MHz                        | Pass   | 6.40        | -6.78               | -6.07               | -3.58           | 29.60                 | 2.82                 | 36.00                      |

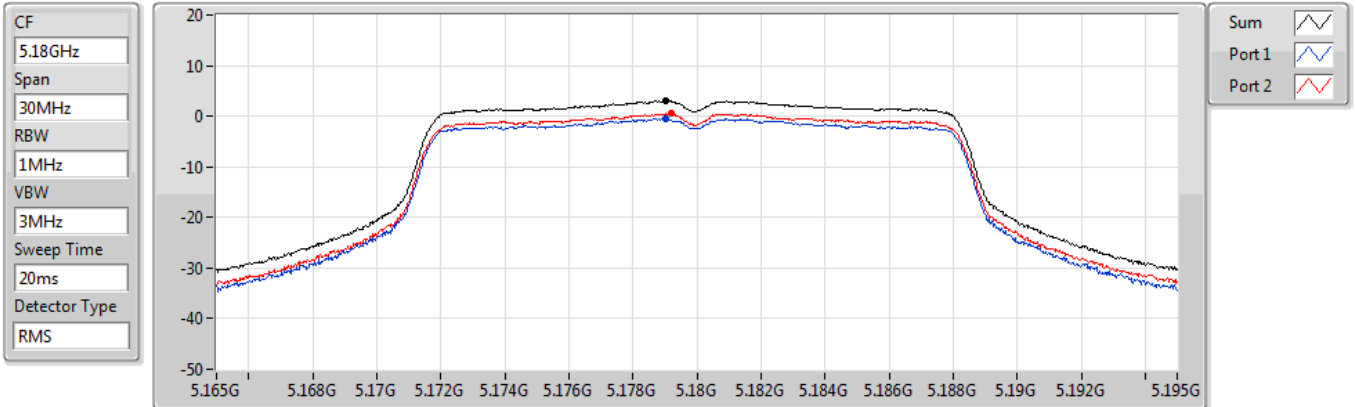
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

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

## PSD

5180MHz

03/11/2021



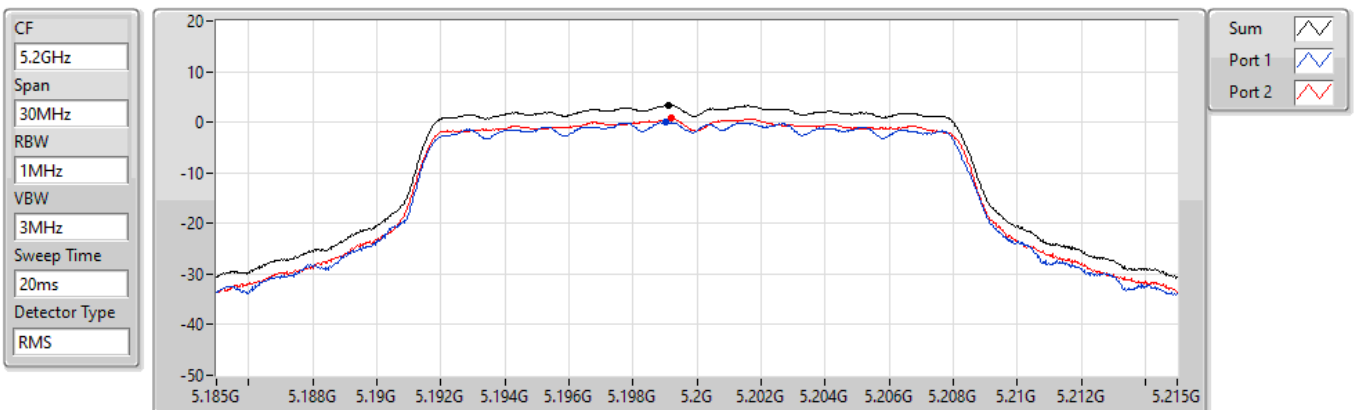
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.02      | 3.02      | -0.46     | 0.52      |

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

## PSD

5200MHz

03/11/2021



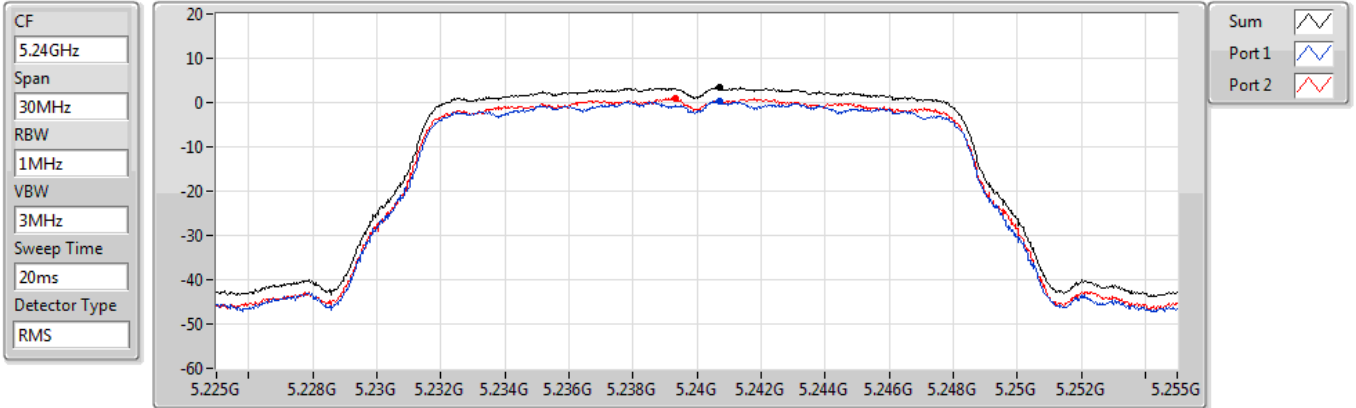
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.34      | 3.34      | -0.01     | 0.74      |

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

5240MHz

PSD

03/11/2021

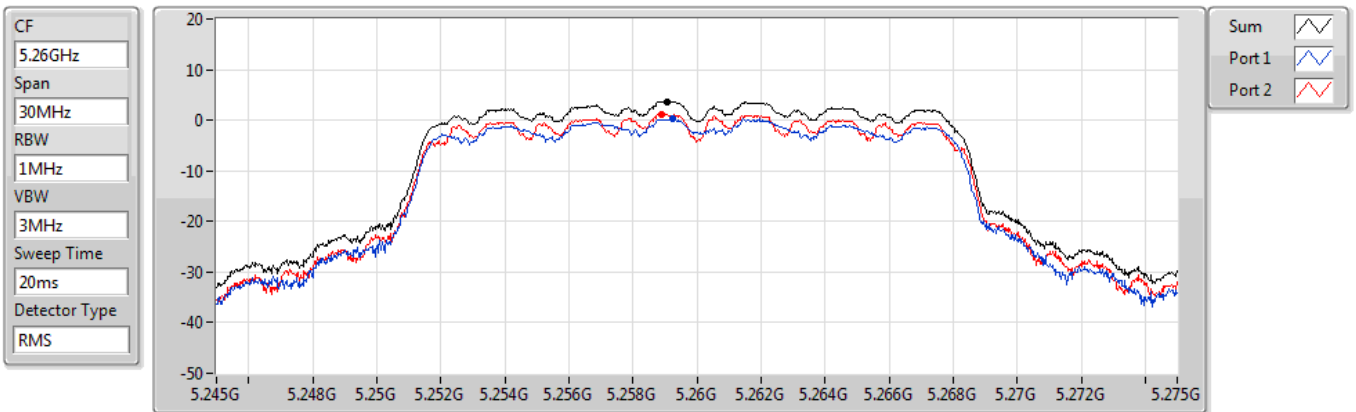


## 802.11a\_Nss1,(6Mbps)\_2TX

5260MHz

PSD

03/11/2021

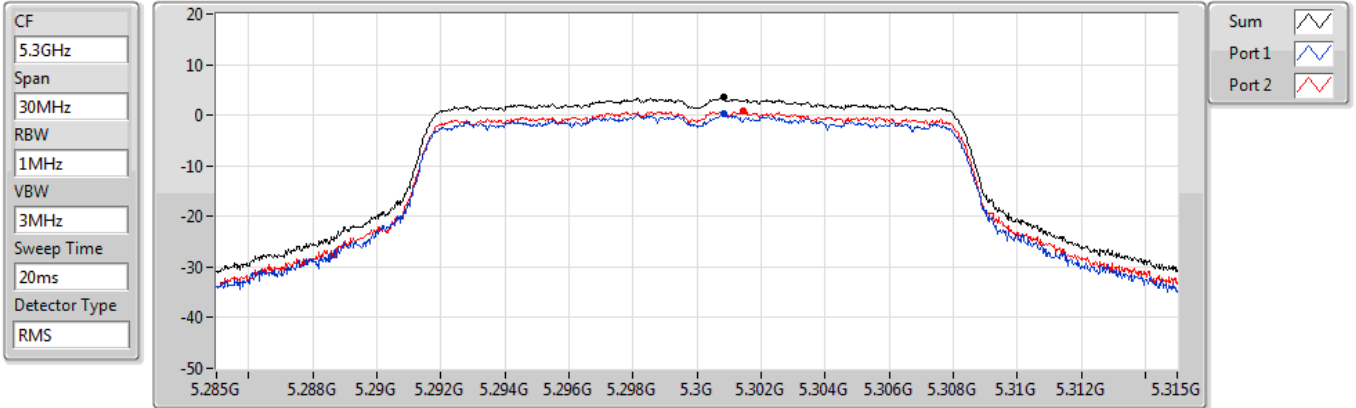


## 802.11a\_Nss1,(6Mbps)\_2TX

## PSD

5300MHz

03/11/2021

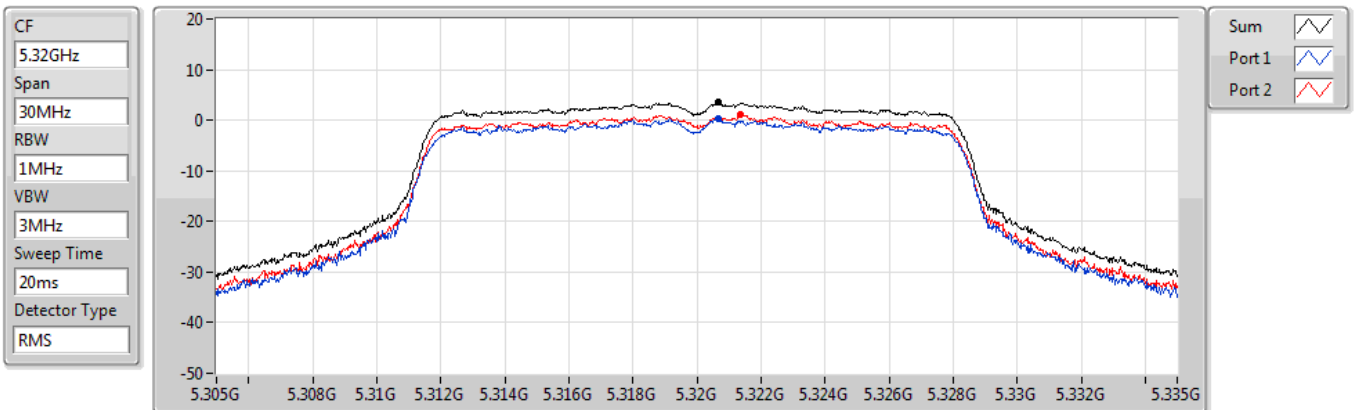


## 802.11a\_Nss1,(6Mbps)\_2TX

## PSD

5320MHz

03/11/2021

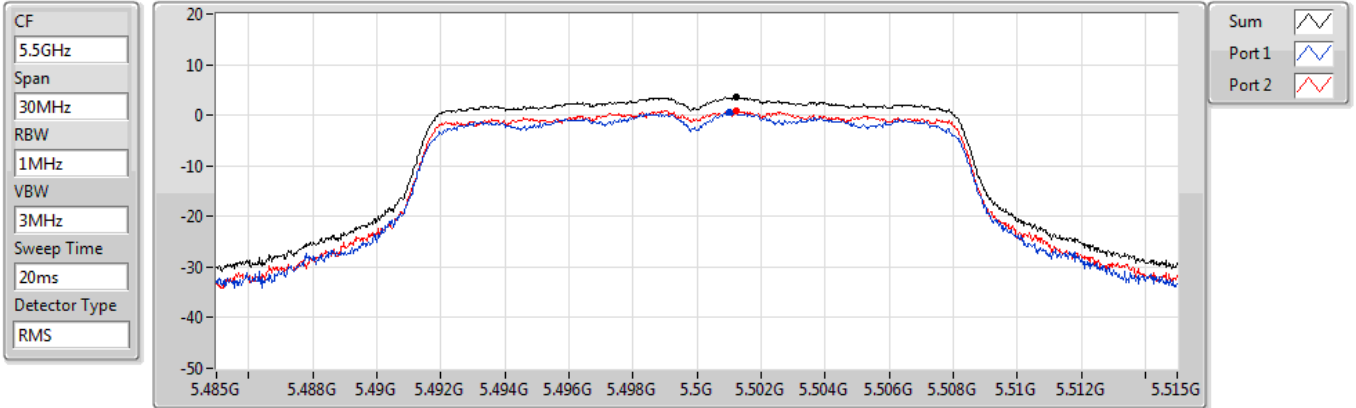


## 802.11a\_Nss1,(6Mbps)\_2TX

## PSD

5500MHz

03/11/2021

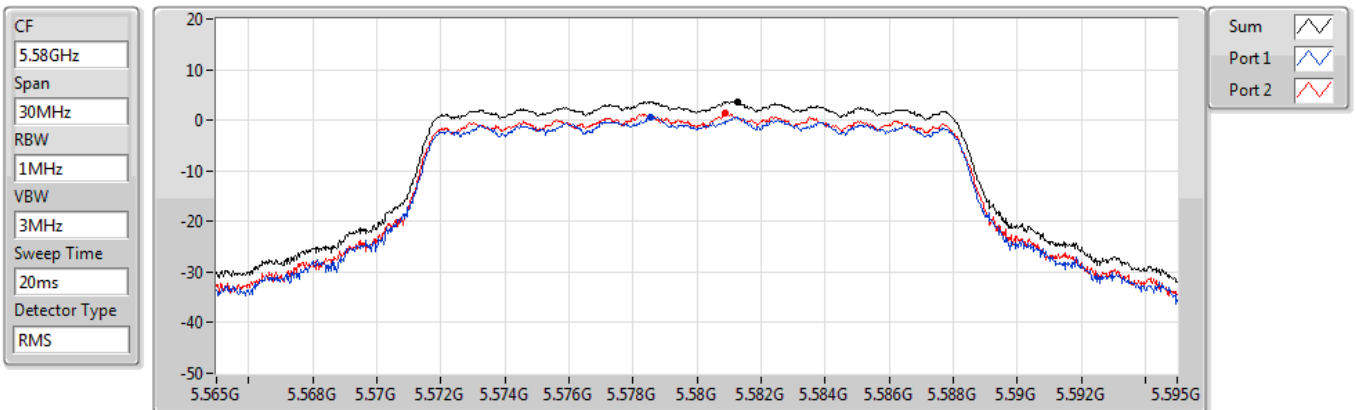


## 802.11a\_Nss1,(6Mbps)\_2TX

## PSD

5580MHz

03/11/2021

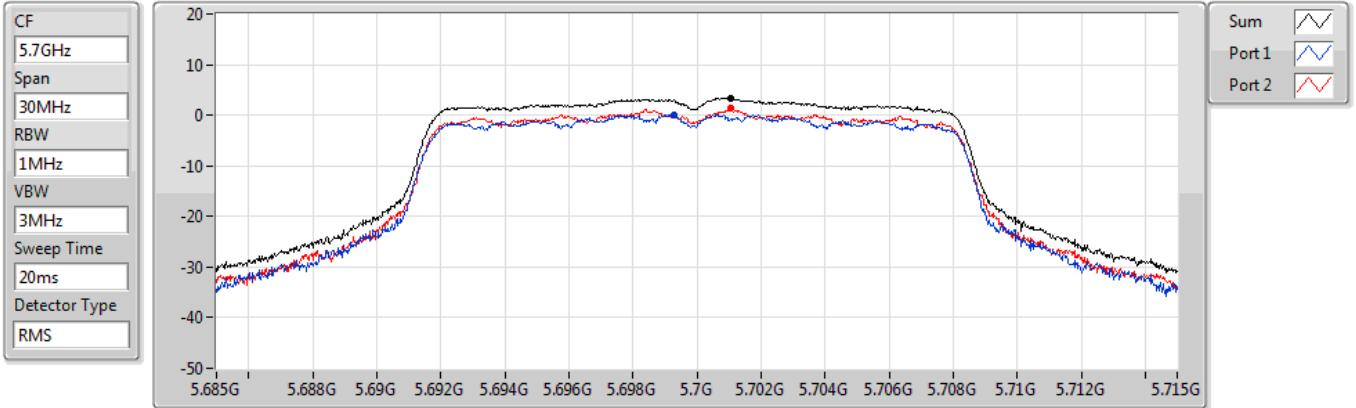


## 802.11a\_Nss1,(6Mbps)\_2TX

## PSD

5700MHz

03/11/2021

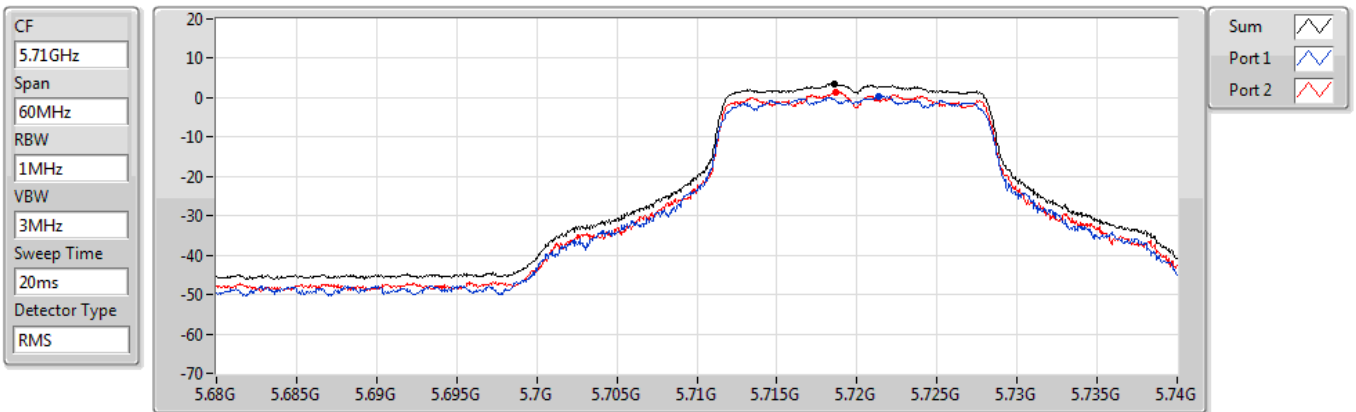


## 802.11a\_Nss1,(6Mbps)\_2TX

## PSD

5720MHz Straddle 5.47-5.725GHz

03/11/2021

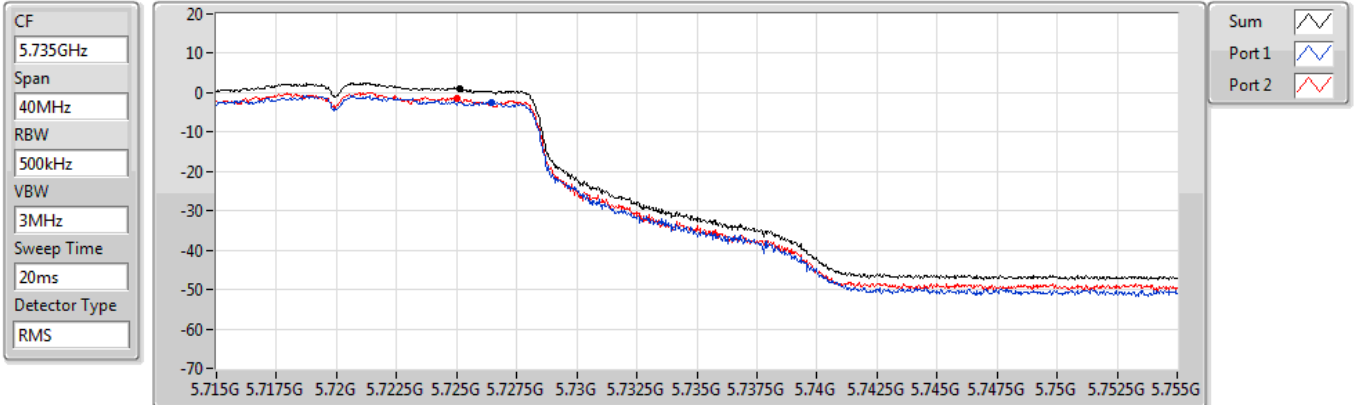


## 802.11a\_Nss1,(6Mbps)\_2TX

## PSD

### 5720MHz Straddle 5.725-5.85GHz

03/11/2021

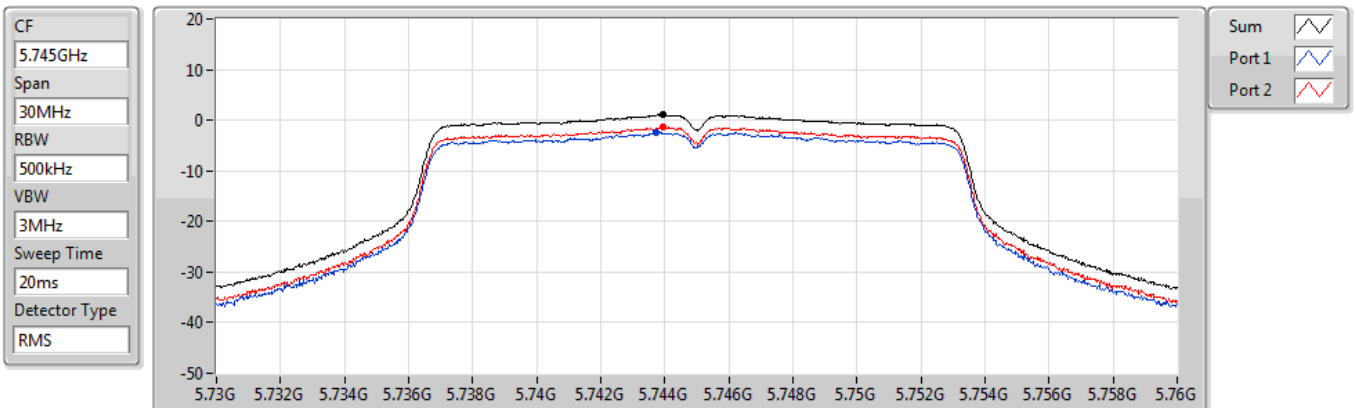


## 802.11a\_Nss1,(6Mbps)\_2TX

## PSD

### 5745MHz

19/10/2021

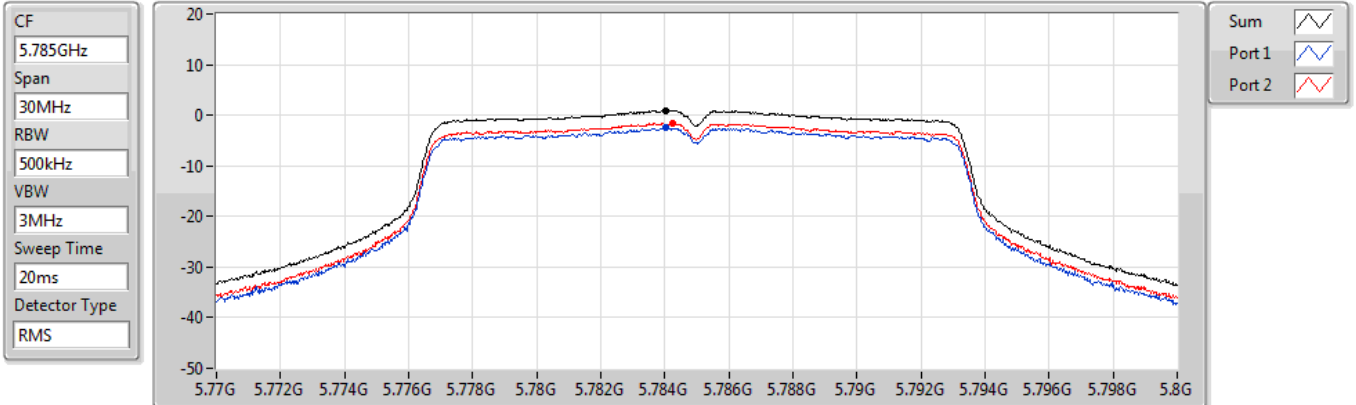


## 802.11a\_Nss1,(6Mbps)\_2TX

## PSD

5785MHz

19/10/2021

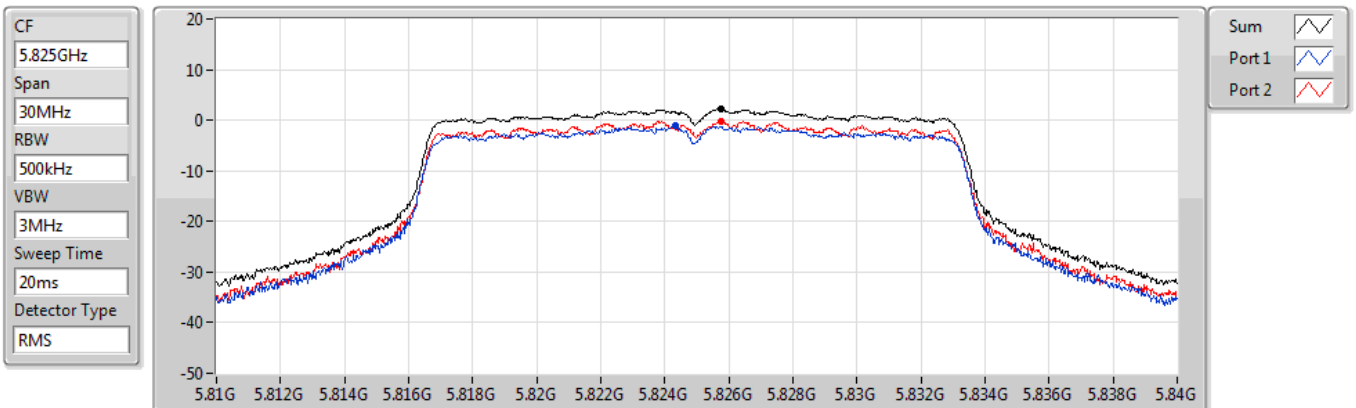


## 802.11a\_Nss1,(6Mbps)\_2TX

## PSD

5825MHz

03/11/2021

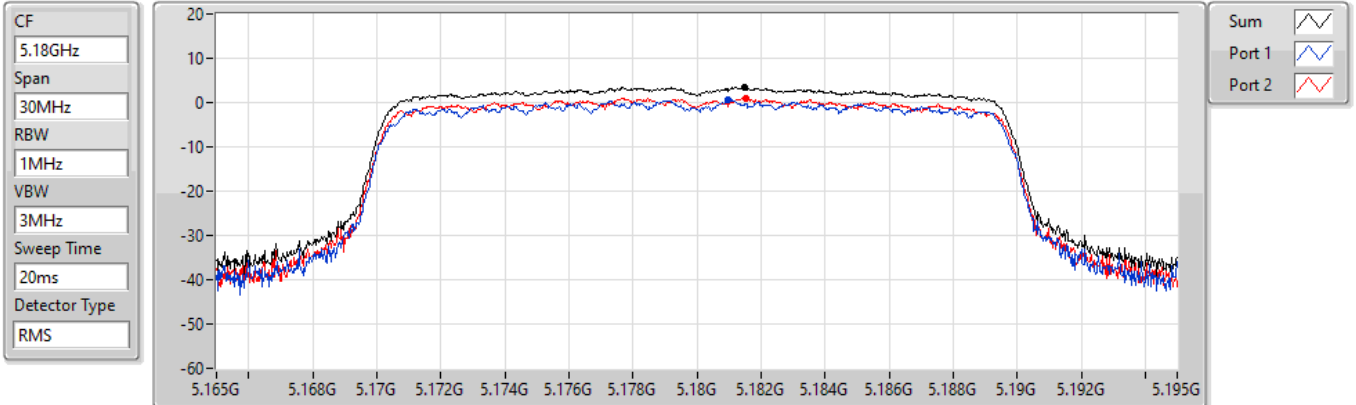


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

## PSD

5180MHz

03/11/2021



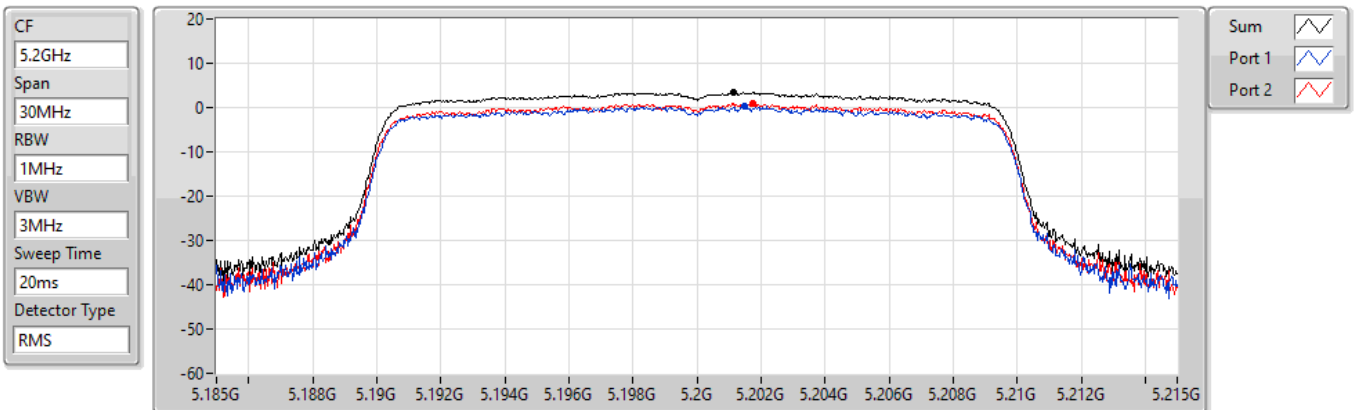
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 3.41     | 3.41     | 0.56     | 1.08     |

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

## PSD

5200MHz

03/11/2021



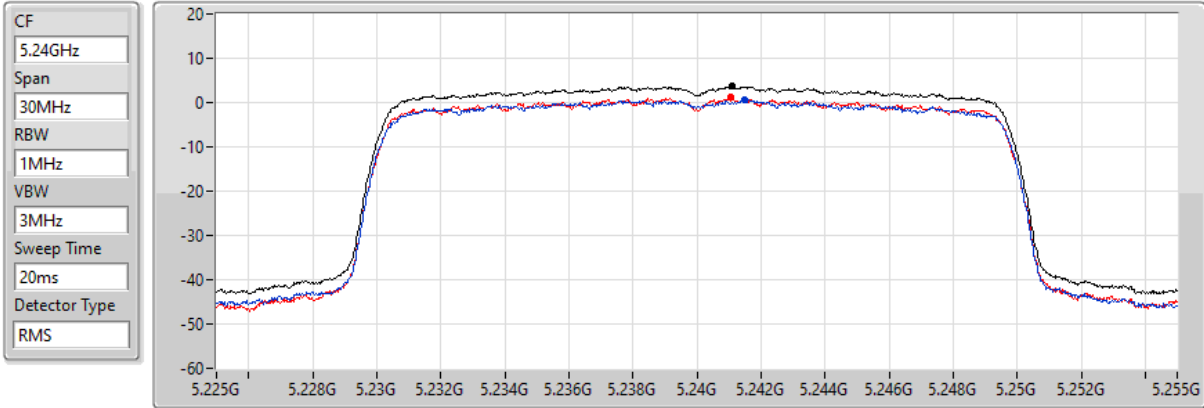
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 3.51     | 3.51     | 0.23     | 0.91     |

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

## PSD

5240MHz

03/11/2021



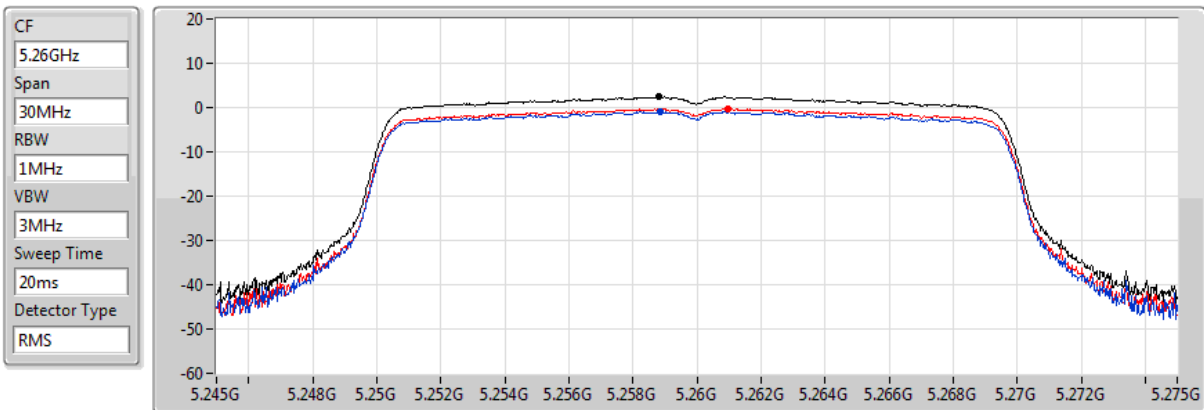
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 3.66     | 3.66     | 0.72     | 1.12     |

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

## PSD

5260MHz

19/10/2021



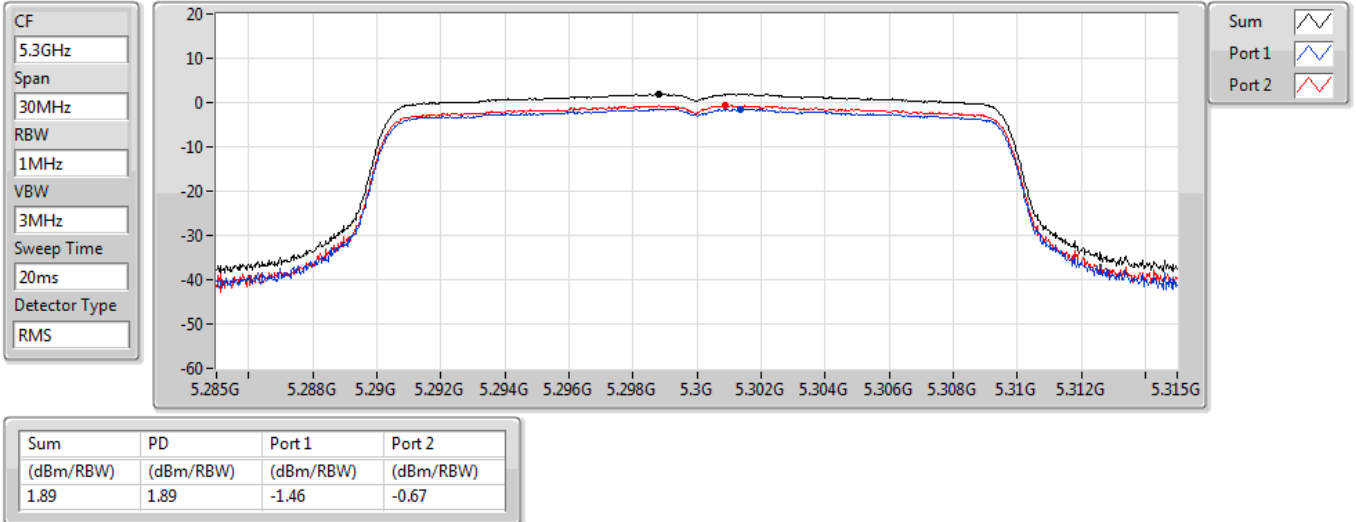
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 2.46     | 2.46     | -0.87    | -0.26    |

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

## PSD

5300MHz

19/10/2021

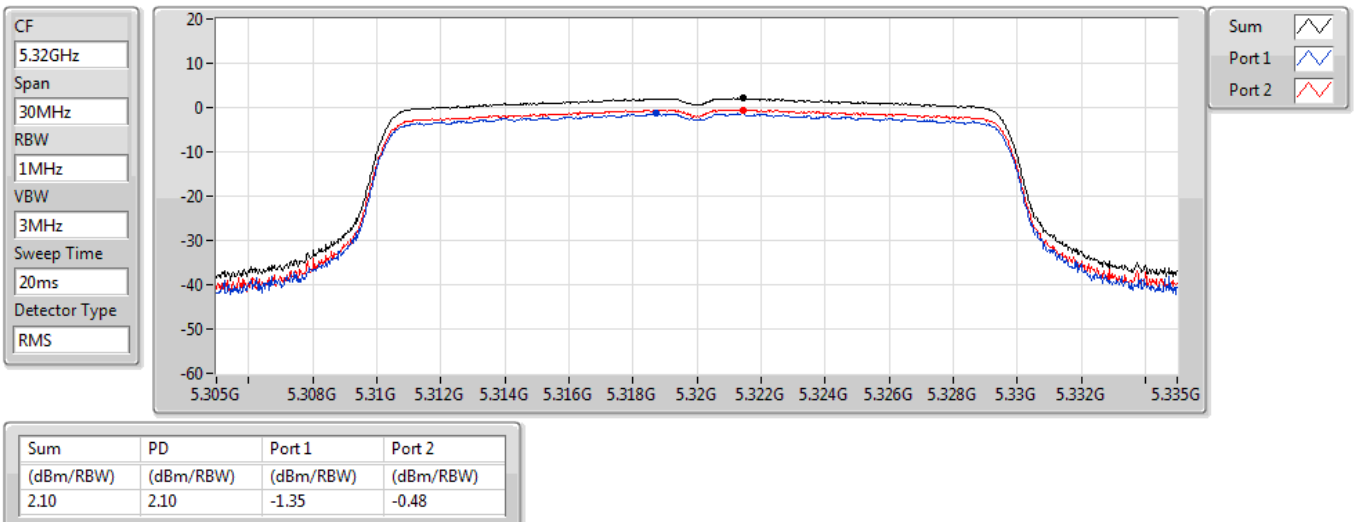


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

## PSD

5320MHz

19/10/2021

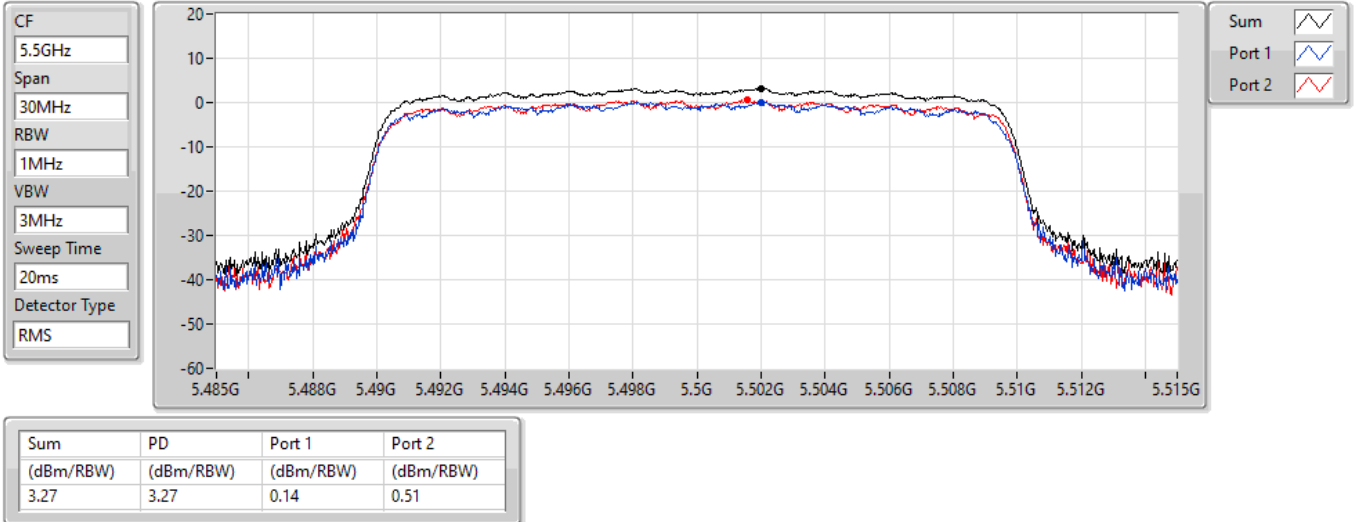


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

## PSD

5500MHz

03/11/2021

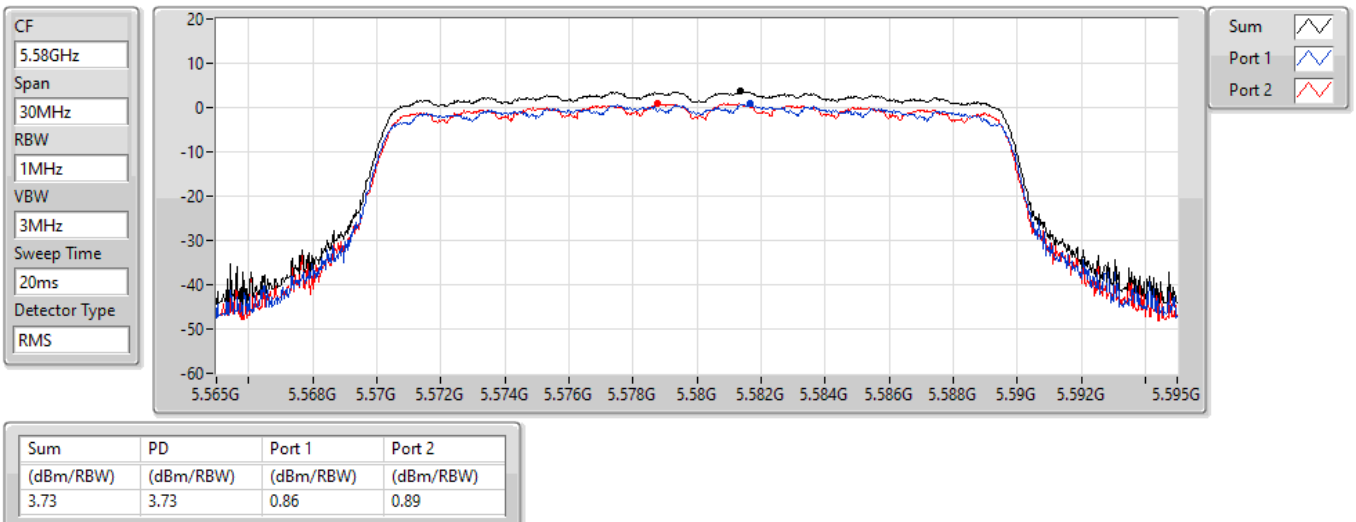


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

## PSD

5580MHz

03/11/2021

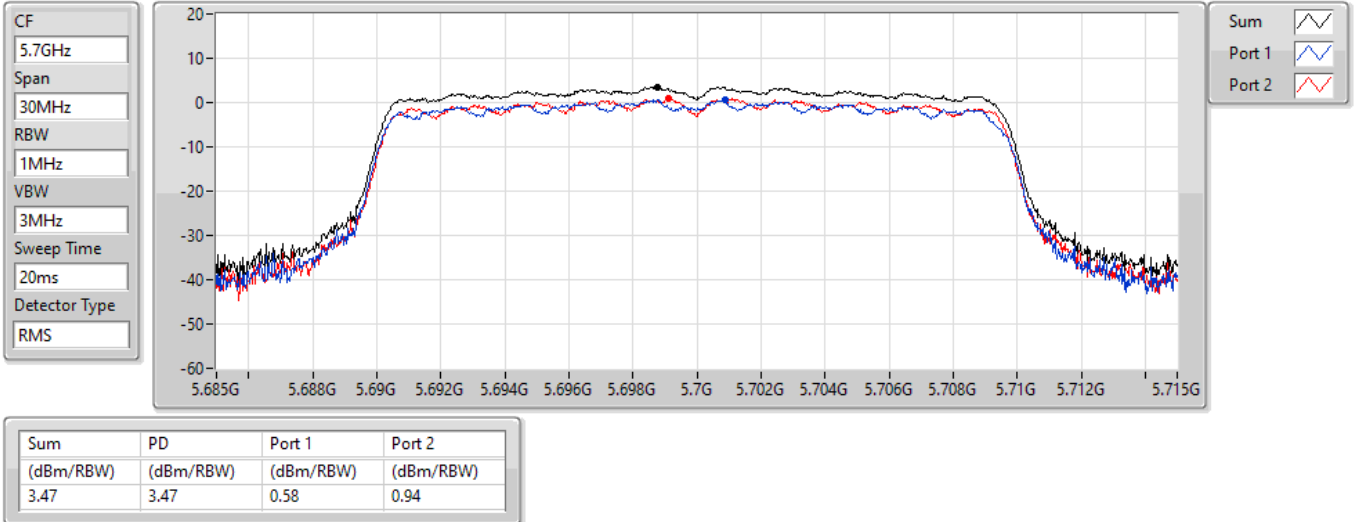


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

## PSD

5700MHz

03/11/2021

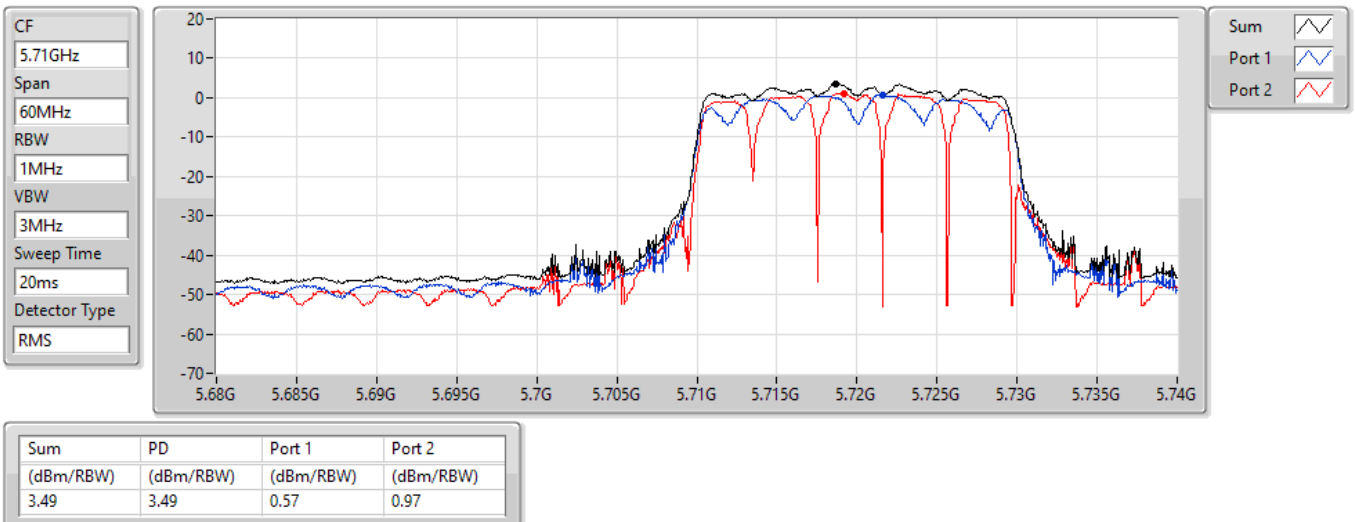


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

## PSD

5720MHz Straddle 5.47-5.725GHz

03/11/2021

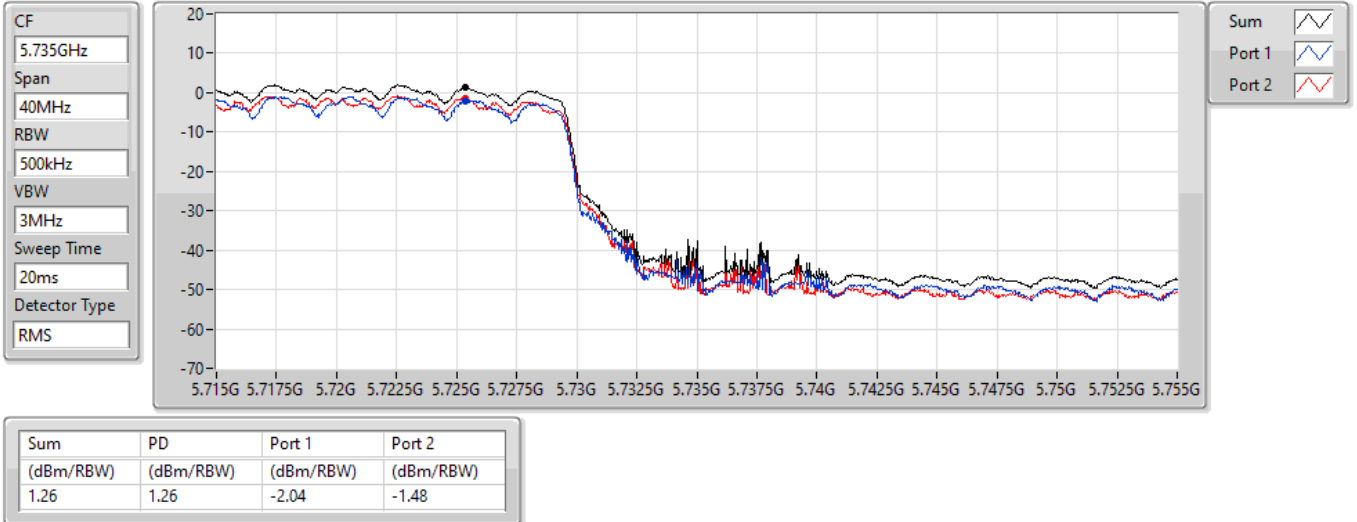


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

### 5720MHz Straddle 5.725-5.85GHz

PSD

03/11/2021

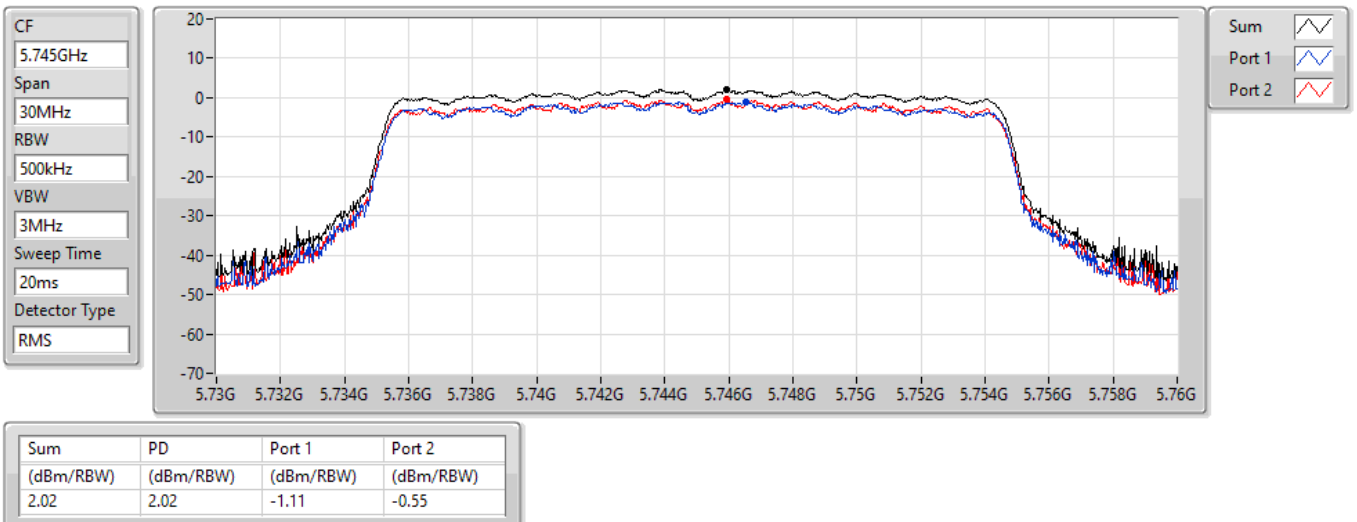


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

### 5745MHz

PSD

03/11/2021

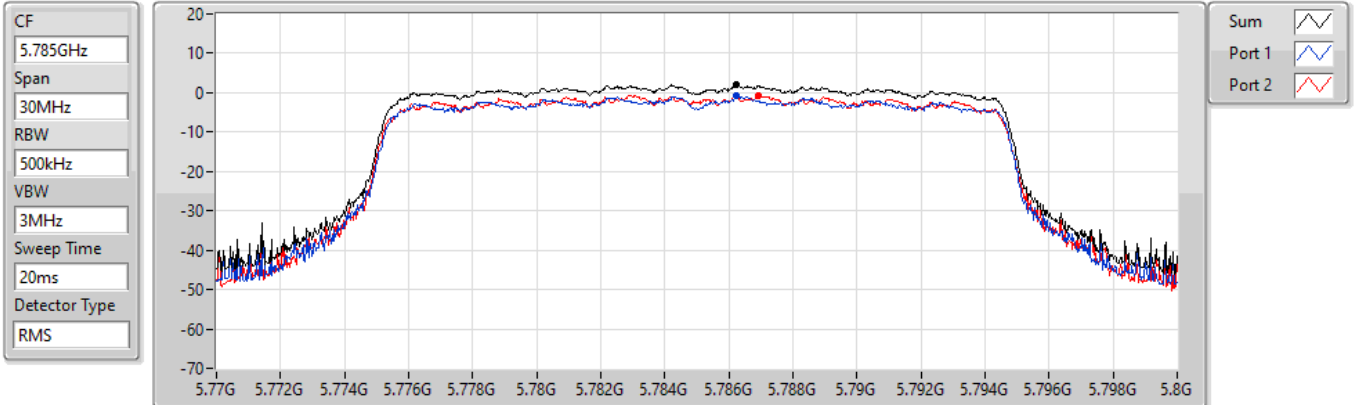


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

## PSD

5785MHz

03/11/2021

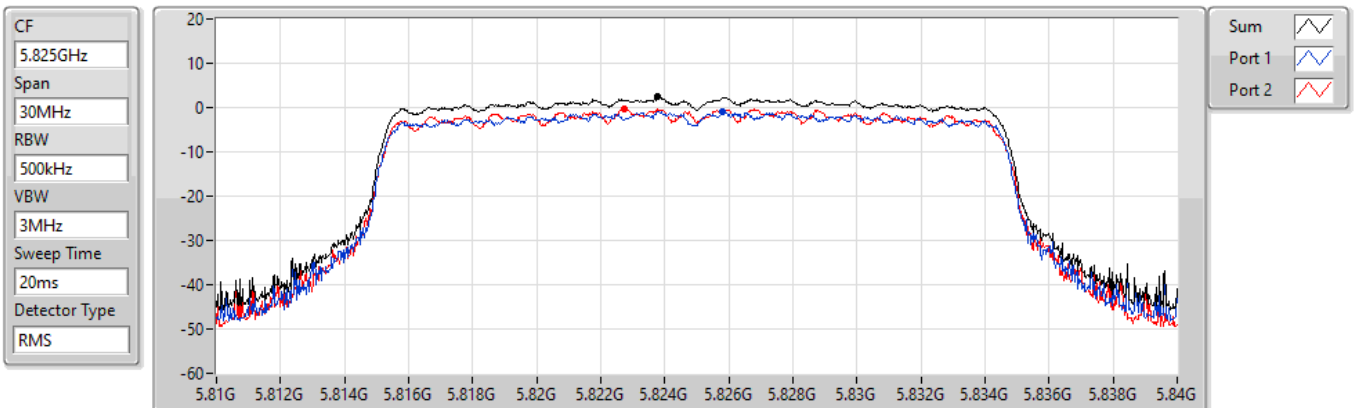


## 802.11ax HEW20\_Nss1,(MCS0)\_2TX

## PSD

5825MHz

03/11/2021

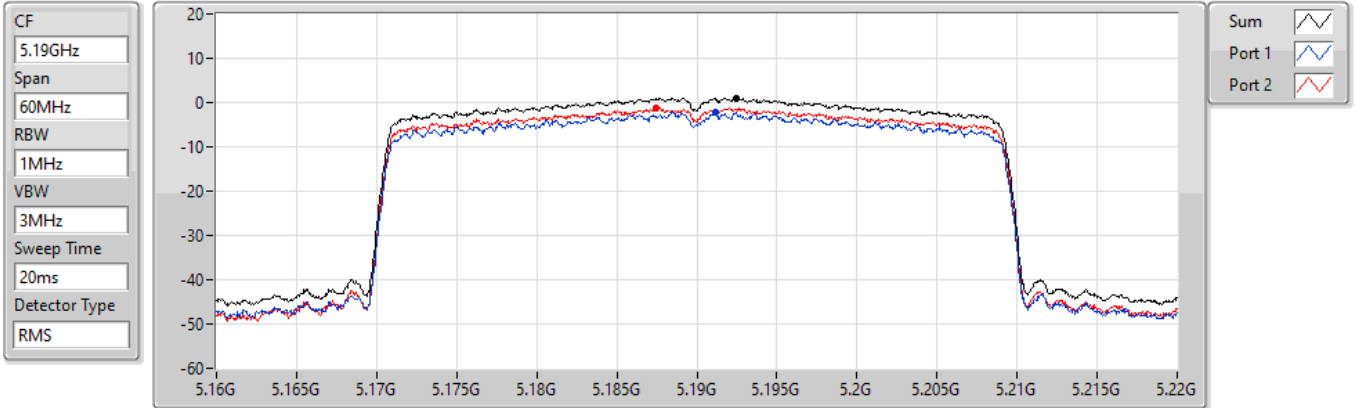


## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

## PSD

5190MHz

03/11/2021



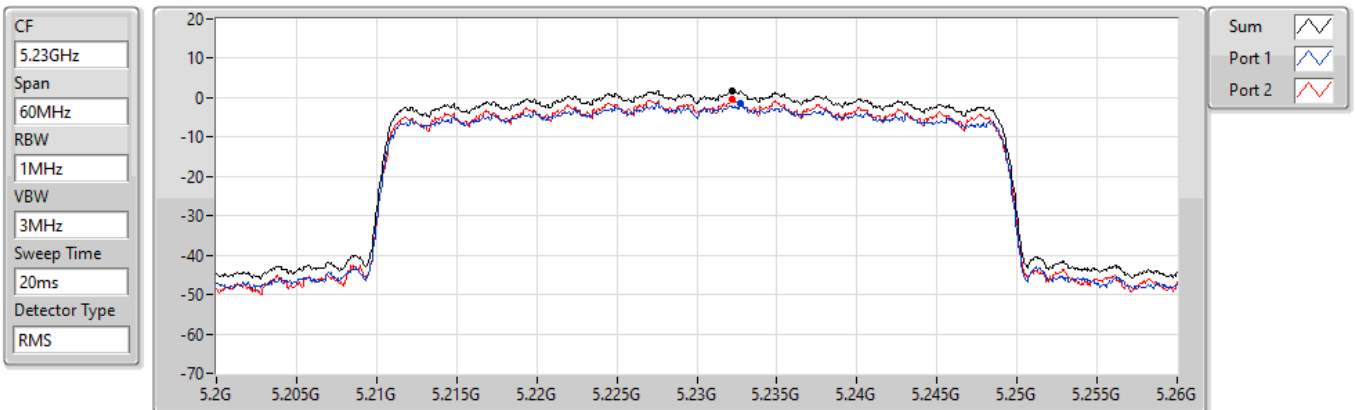
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 1.06     | 1.06     | -2.18    | -1.14    |

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

## PSD

5230MHz

03/11/2021



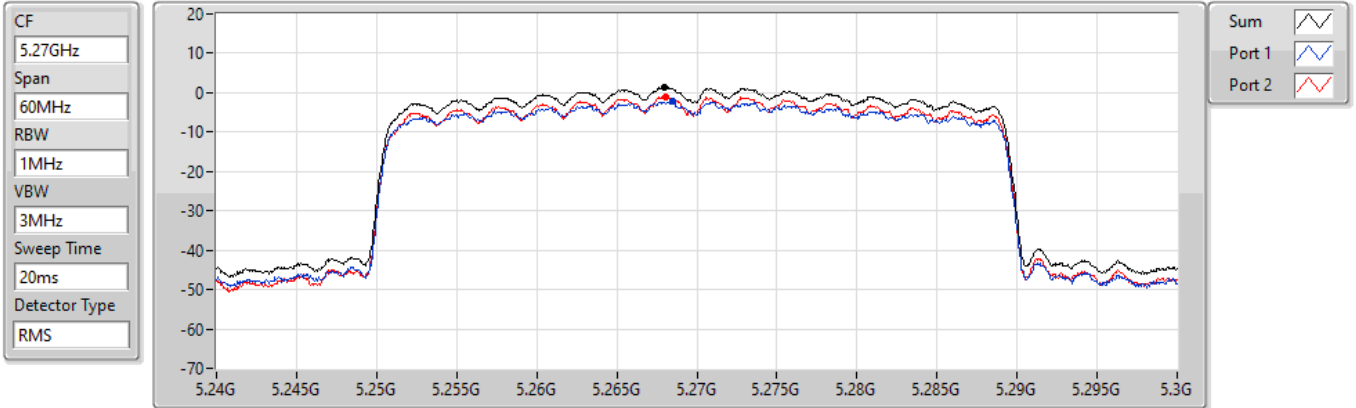
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 1.78     | 1.78     | -1.57    | -0.38    |

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

## PSD

5270MHz

03/11/2021



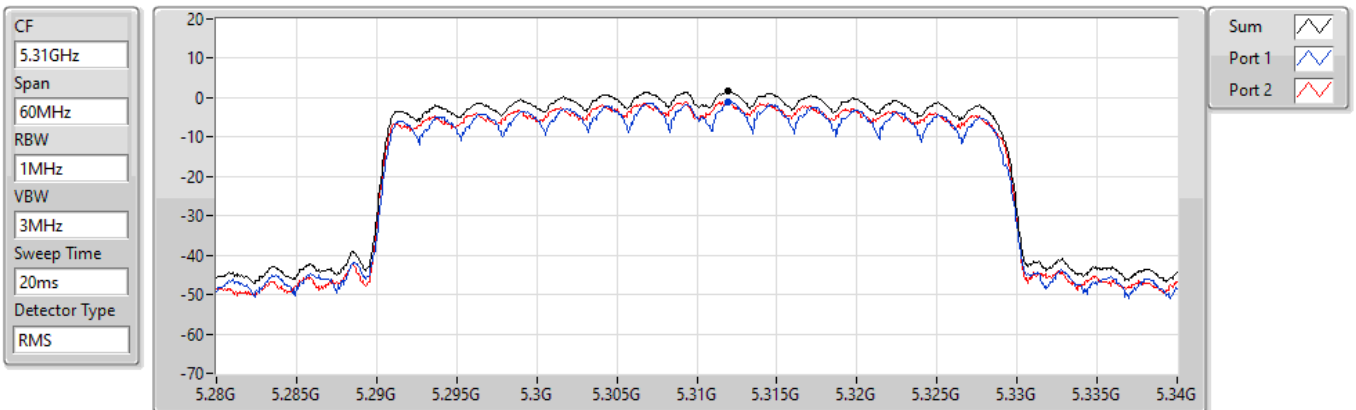
| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 1.27         | 1.27         | -2.14        | -1.11        |

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

## PSD

5310MHz

03/11/2021



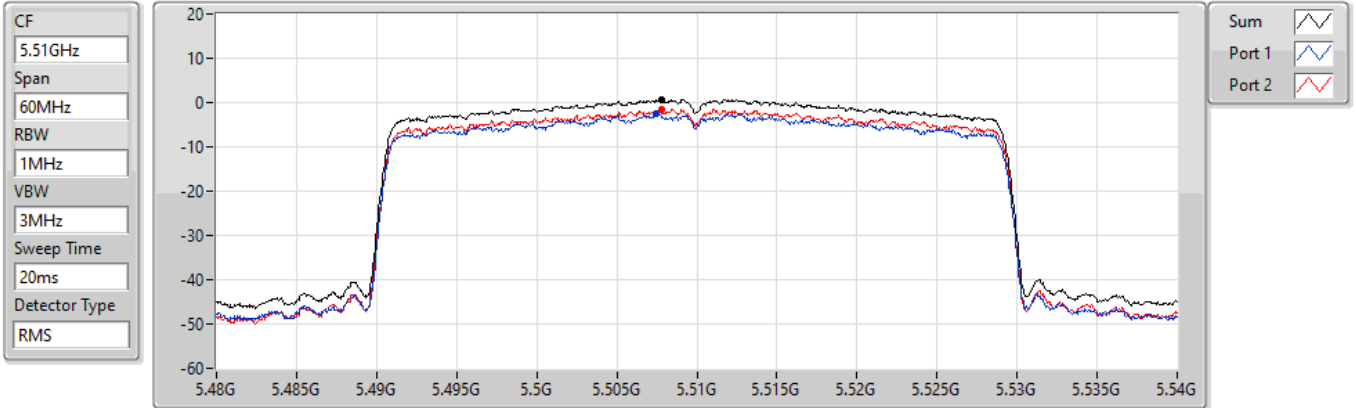
| Sum          | PD           | Port 1       | Port 2       |
|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 1.84         | 1.84         | -1.05        | -1.05        |

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

## PSD

5510MHz

03/11/2021

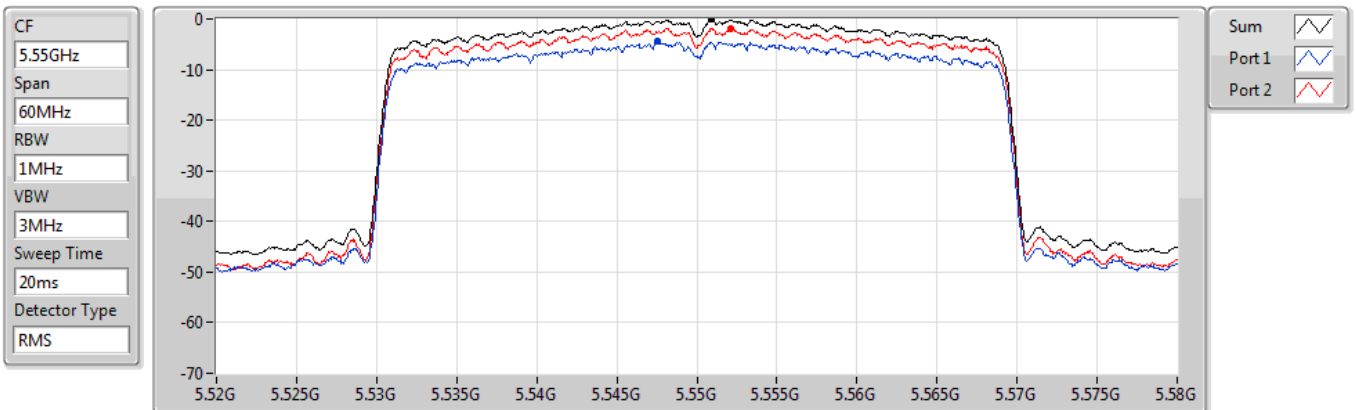


## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

## PSD

5550MHz

19/10/2021

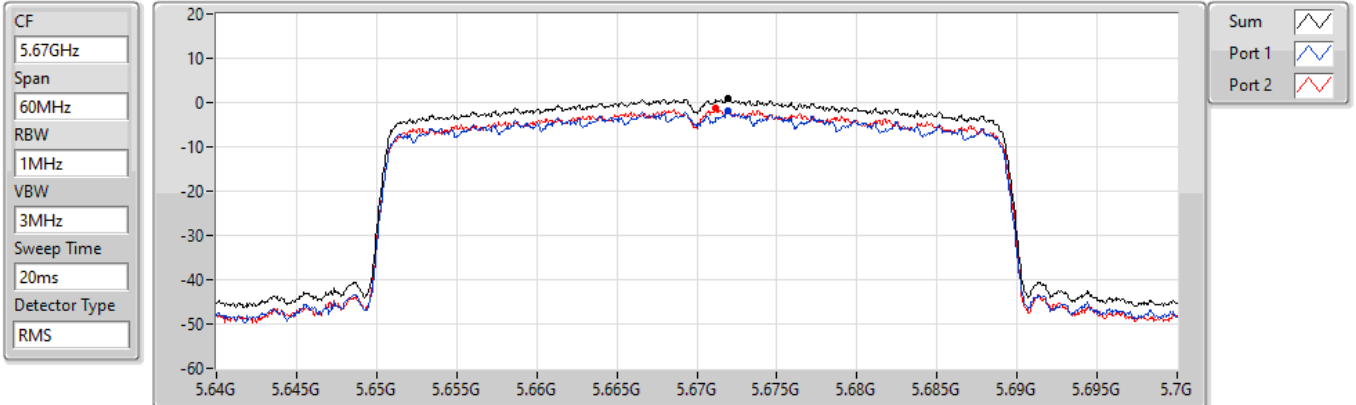


## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

## PSD

5670MHz

03/11/2021



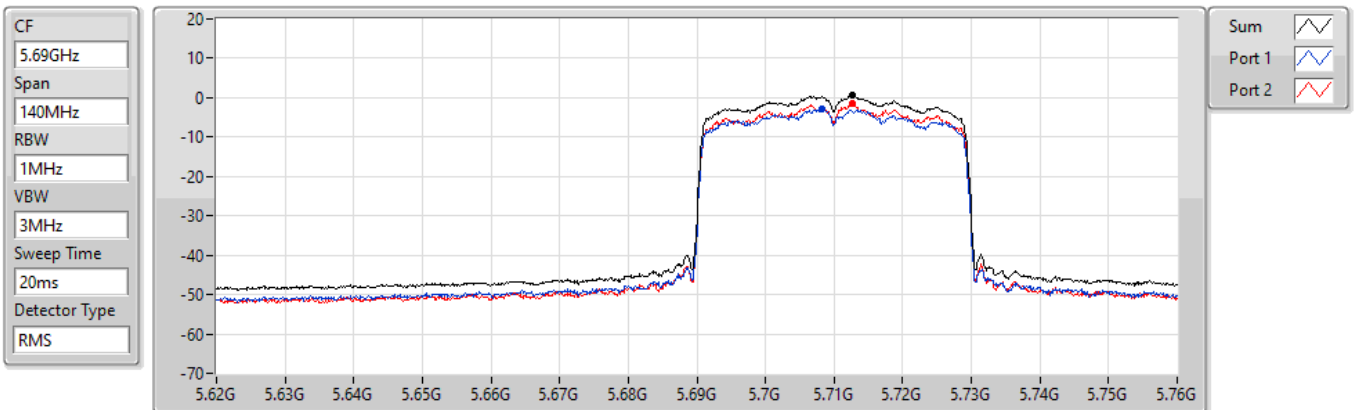
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 0.95     | 0.95     | -1.85    | -1.37    |

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

## PSD

5710MHz Straddle 5.47-5.725GHz

03/11/2021



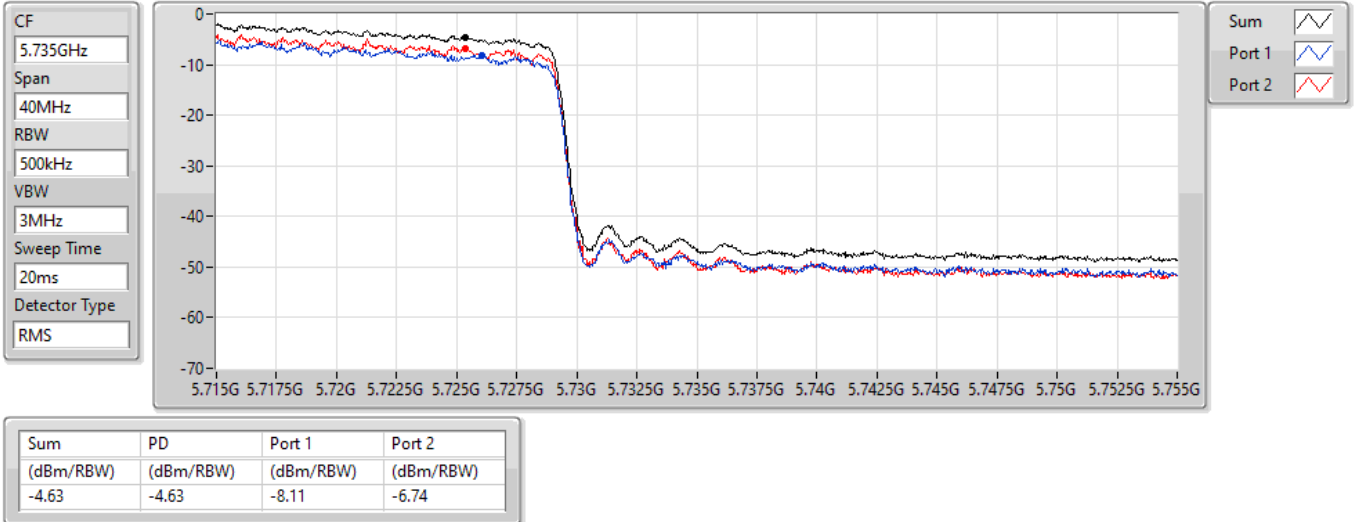
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 0.65     | 0.65     | -2.96    | -1.41    |

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

## PSD

### 5710MHz Straddle 5.725-5.85GHz

03/11/2021

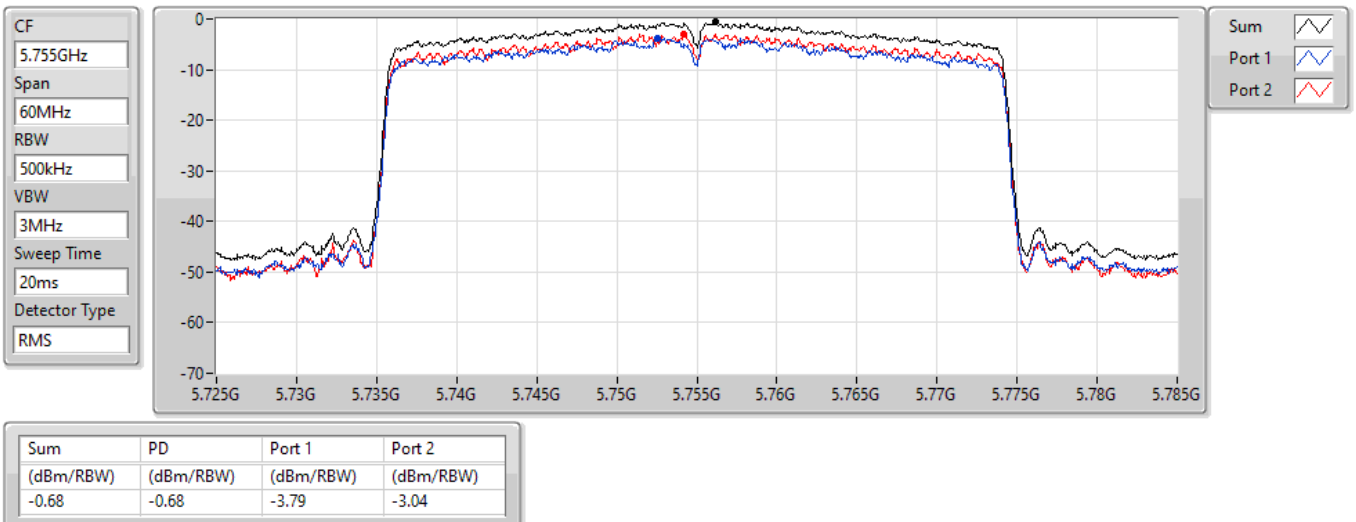


## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

## PSD

### 5755MHz

03/11/2021

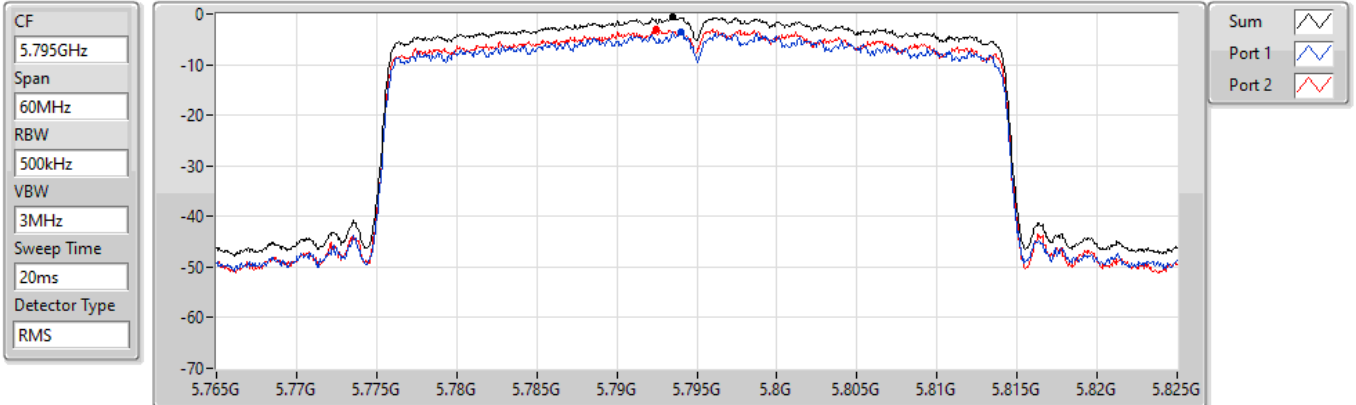


## 802.11ax HEW40\_Nss1,(MCS0)\_2TX

## PSD

5795MHz

03/11/2021

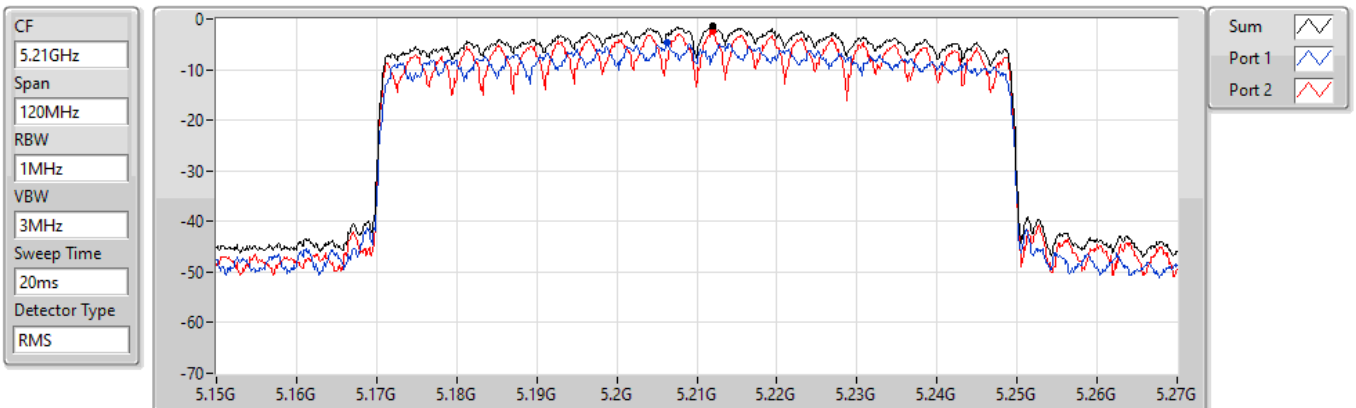


## 802.11ax HEW80\_Nss1,(MCS0)\_2TX

## PSD

5210MHz

03/11/2021

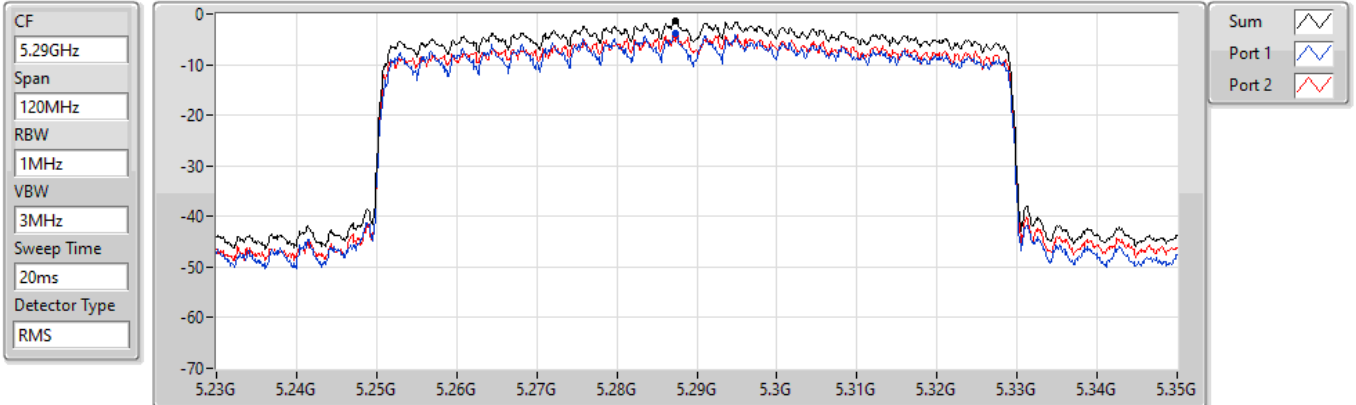


## 802.11ax HEW80\_Nss1,(MCS0)\_2TX

## PSD

5290MHz

03/11/2021



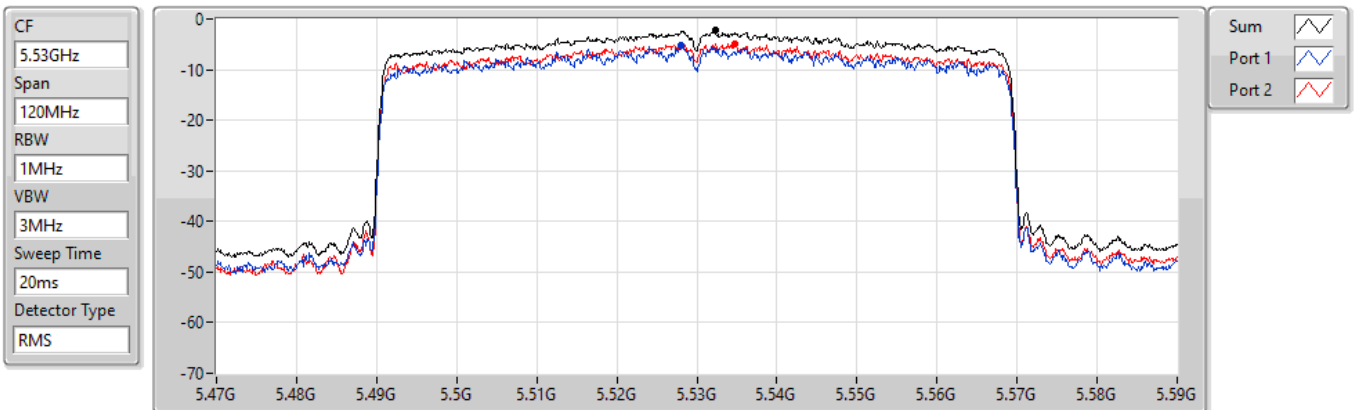
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -1.24    | -1.24    | -3.86    | -3.98    |

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

## PSD

5530MHz

03/11/2021



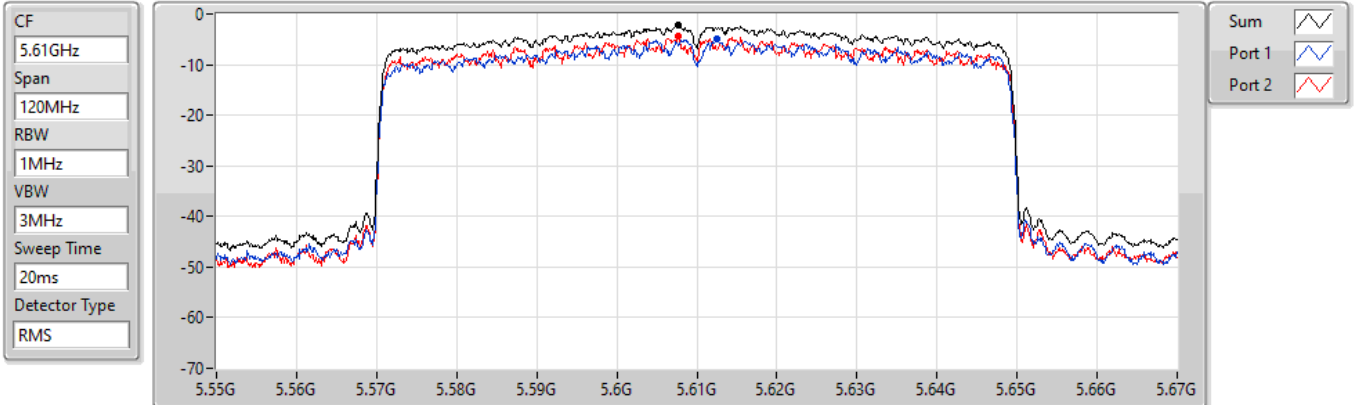
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -2.30    | -2.30    | -5.33    | -4.95    |

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

## PSD

5610MHz

03/11/2021

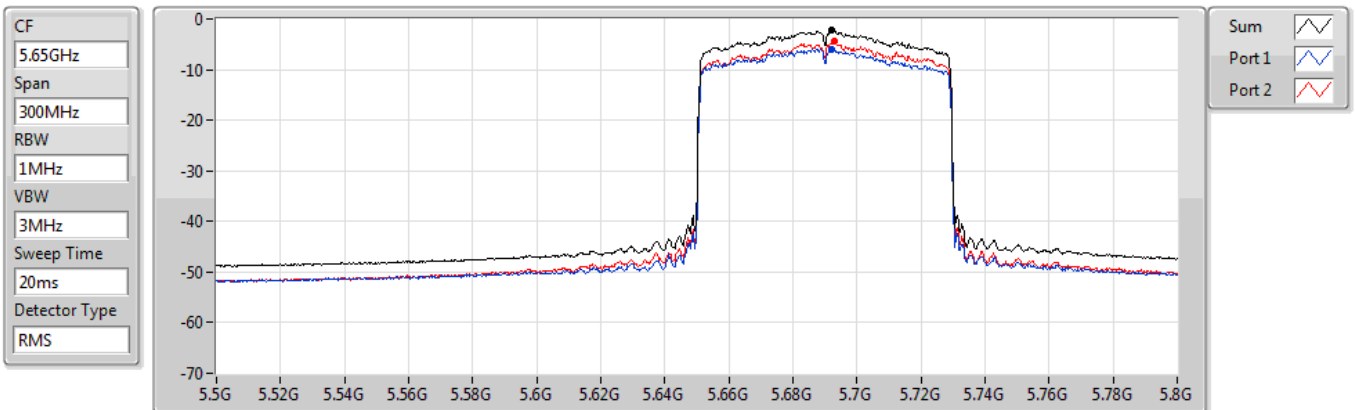


## 802.11ax HEW80\_Nss1,(MCS0)\_2TX

## PSD

5690MHz Straddle 5.47-5.725GHz

19/10/2021

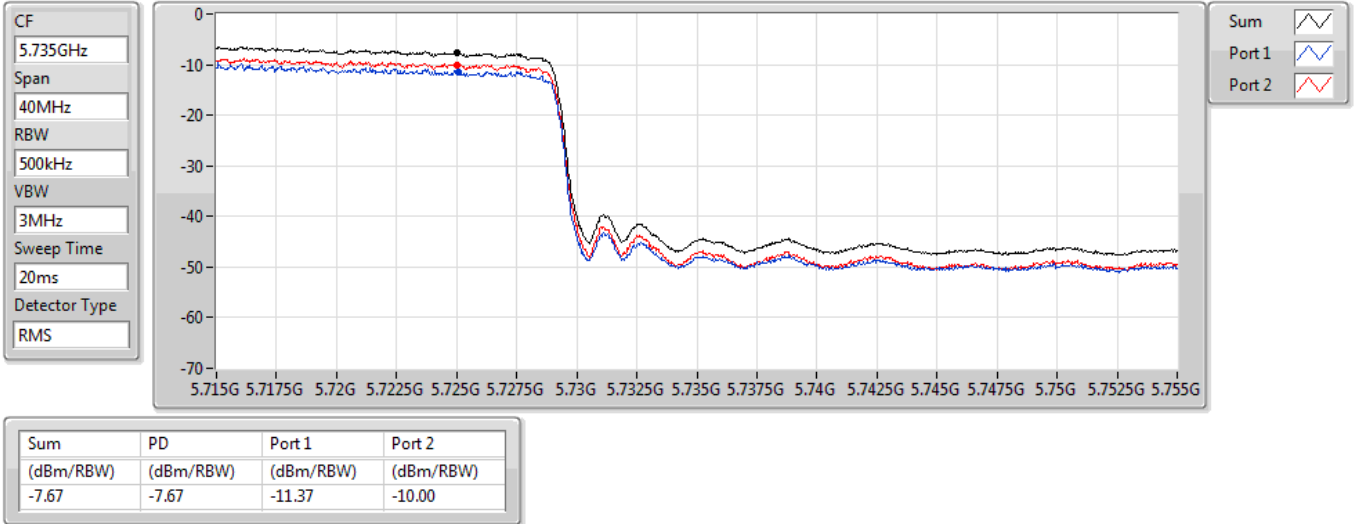


## 802.11ax HEW80\_Nss1,(MCS0)\_2TX

## PSD

### 5690MHz Straddle 5.725-5.85GHz

19/10/2021

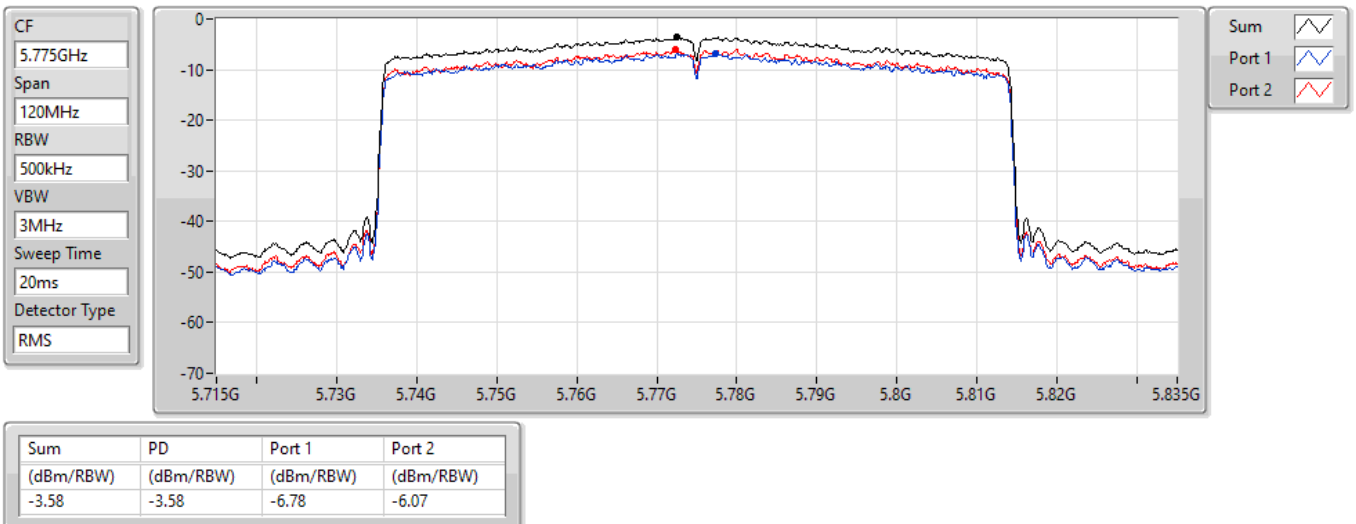


## 802.11ax HEW80\_Nss1,(MCS0)\_2TX

## PSD

### 5775MHz

03/11/2021





**Summary**

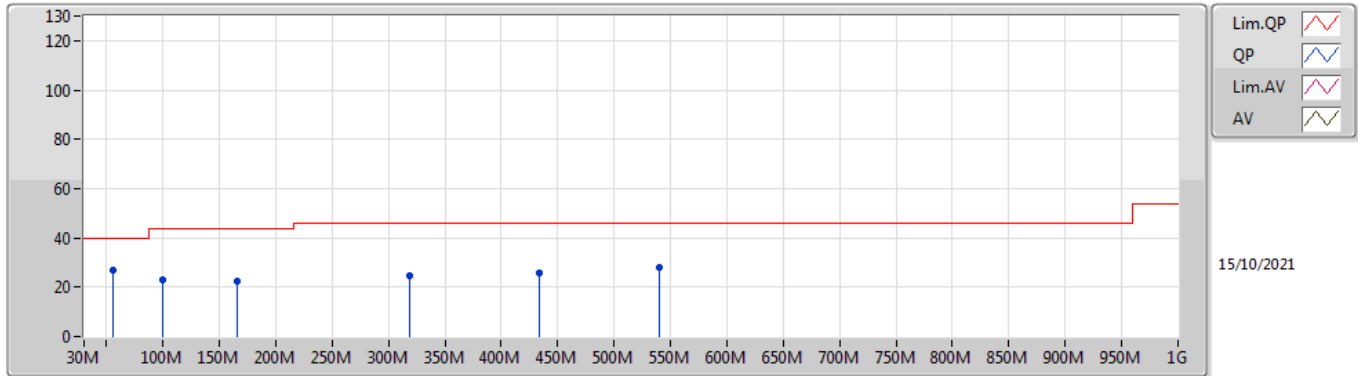
| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|-----------|----------------|---------------|----------|
| 5.725-5.85GHz                  | -      | -    | -            | -                 | -                 | -              | -           | -         | -              | -             | -        |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | Pass   | PK   | 55.22M       | 26.66             | 40.00             | -13.34         | 3           | Vertical  | 360            | 1.00          | -        |

**Result**

| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 802.11ax HEW80_Nss1,(MCS0)_2TX | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 5775MHz                        | Pass   | PK   | 55.22M       | 26.66             | 40.00             | -13.34         | 3           | Vertical   | 360            | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 99.84M       | 22.79             | 43.50             | -20.71         | 3           | Vertical   | 360            | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 165.8M       | 22.21             | 43.50             | -21.29         | 3           | Vertical   | 360            | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 319.06M      | 24.48             | 46.00             | -21.52         | 3           | Vertical   | 360            | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 433.52M      | 26.03             | 46.00             | -19.97         | 3           | Vertical   | 360            | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 540.22M      | 28.21             | 46.00             | -17.79         | 3           | Vertical   | 360            | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 30M          | 23.75             | 40.00             | -16.25         | 3           | Horizontal | 0              | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 99.84M       | 23.06             | 43.50             | -20.44         | 3           | Horizontal | 0              | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 249.22M      | 23.58             | 46.00             | -22.42         | 3           | Horizontal | 0              | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 429.64M      | 26.13             | 46.00             | -19.87         | 3           | Horizontal | 0              | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 534.4M       | 28.42             | 46.00             | -17.58         | 3           | Horizontal | 0              | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 602.3M       | 29.38             | 46.00             | -16.62         | 3           | Horizontal | 0              | 1.00          | -        |

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

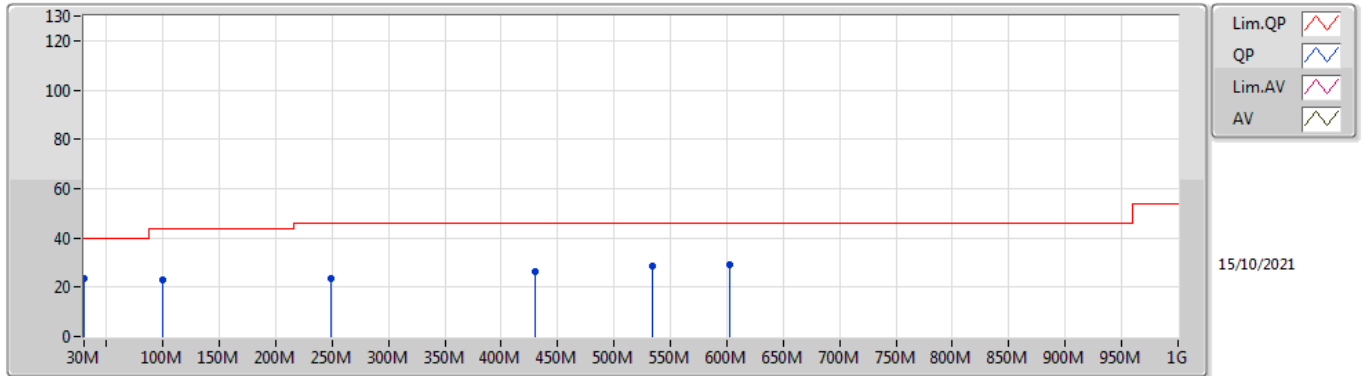
### 5775MHz\_DC Power Supply



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| PK   | 55.22M       | 26.66             | 40.00             | -13.34         | -14.23         | 3           | Vertical  | 360            | 1.00          | -       | 40.89         | 12.17      | 1.21       | 27.61      |
| PK   | 99.84M       | 22.79             | 43.50             | -20.71         | -9.49          | 3           | Vertical  | 360            | 1.00          | -       | 32.28         | 16.20      | 1.70       | 27.39      |
| PK   | 165.8M       | 22.21             | 43.50             | -21.29         | -10.16         | 3           | Vertical  | 360            | 1.00          | -       | 32.37         | 14.86      | 2.16       | 27.18      |
| PK   | 319.06M      | 24.48             | 46.00             | -21.52         | -5.06          | 3           | Vertical  | 360            | 1.00          | -       | 29.54         | 18.75      | 3.05       | 26.86      |
| PK   | 433.52M      | 26.03             | 46.00             | -19.97         | -2.07          | 3           | Vertical  | 360            | 1.00          | -       | 28.10         | 21.91      | 3.60       | 27.58      |
| PK   | 540.22M      | 28.21             | 46.00             | -17.79         | 0.38           | 3           | Vertical  | 360            | 1.00          | -       | 27.83         | 24.39      | 4.04       | 28.05      |

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

### 5775MHz\_DC Power Supply



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| PK   | 30M          | 23.75             | 40.00             | -16.25         | -3.23          | 3           | Horizontal | 0              | 1.00          | -       | 26.98         | 23.51      | 0.90       | 27.64      |
| PK   | 99.84M       | 23.06             | 43.50             | -20.44         | -9.49          | 3           | Horizontal | 0              | 1.00          | -       | 32.55         | 16.20      | 1.70       | 27.39      |
| PK   | 249.22M      | 23.58             | 46.00             | -22.42         | -6.41          | 3           | Horizontal | 0              | 1.00          | -       | 29.99         | 17.65      | 2.67       | 26.73      |
| PK   | 429.64M      | 26.13             | 46.00             | -19.87         | -2.04          | 3           | Horizontal | 0              | 1.00          | -       | 28.17         | 21.91      | 3.59       | 27.54      |
| PK   | 534.4M       | 28.42             | 46.00             | -17.58         | -0.23          | 3           | Horizontal | 0              | 1.00          | -       | 28.65         | 23.76      | 4.01       | 28.00      |
| PK   | 602.3M       | 29.38             | 46.00             | -16.62         | 0.21           | 3           | Horizontal | 0              | 1.00          | -       | 29.17         | 23.87      | 4.39       | 28.05      |

**Summary**

| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 5.15-5.25GHz                   | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 802.11a_Nss1,(6Mbps)_2TX       | Pass   | PK   | 10.36104G    | 66.10             | 68.20             | -2.10          | 3           | Horizontal | 297            | 1.01          | -        |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | Pass   | AV   | 5.148G       | 49.14             | 54.00             | -4.86          | 3           | Horizontal | 15             | 1.26          | -        |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | Pass   | AV   | 5.1484G      | 50.93             | 54.00             | -3.07          | 3           | Horizontal | 22             | 1.25          | -        |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | Pass   | AV   | 5.149G       | 51.21             | 54.00             | -2.79          | 3           | Horizontal | 22             | 1.06          | -        |
| 5.25-5.35GHz                   | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 802.11a_Nss1,(6Mbps)_2TX       | Pass   | AV   | 10.64198G    | 53.78             | 54.00             | -0.22          | 3           | Horizontal | 305            | 1.18          | -        |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | Pass   | AV   | 10.60144G    | 53.06             | 54.00             | -0.94          | 3           | Horizontal | 307            | 1.18          | -        |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | Pass   | AV   | 10.6211G     | 53.84             | 54.00             | -0.16          | 3           | Horizontal | 318            | 1.19          | -        |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | Pass   | AV   | 5.35G        | 53.29             | 54.00             | -0.71          | 3           | Horizontal | 23             | 1.00          | -        |
| 5.47-5.725GHz                  | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 802.11a_Nss1,(6Mbps)_2TX       | Pass   | AV   | 10.99808G    | 50.67             | 54.00             | -3.33          | 3           | Horizontal | 327            | 1.13          | -        |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | Pass   | AV   | 11.00018G    | 50.69             | 54.00             | -3.31          | 3           | Horizontal | 316            | 1.27          | -        |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | Pass   | AV   | 11.0275G     | 50.35             | 54.00             | -3.65          | 3           | Horizontal | 304            | 1.14          | -        |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | Pass   | PK   | 5.468G       | 63.55             | 68.20             | -4.65          | 3           | Horizontal | 17             | 1.00          | -        |
| 5.725-5.85GHz                  | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 802.11a_Nss1,(6Mbps)_2TX       | Pass   | AV   | 11.48886G    | 44.19             | 54.00             | -9.81          | 3           | Vertical   | 140            | 1.88          | -        |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | Pass   | AV   | 11.4918G     | 46.67             | 54.00             | -7.33          | 3           | Vertical   | 173            | 1.36          | -        |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | Pass   | AV   | 11.4989G     | 46.42             | 54.00             | -7.58          | 3           | Vertical   | 179            | 1.90          | -        |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | Pass   | AV   | 11.55728G    | 45.86             | 54.00             | -8.14          | 3           | Horizontal | 328            | 1.19          | -        |

**Result**

| Mode                     | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|--------------------------|--------|------|-----------|----------------|----------------|-------------|----------|------------|-------------|------------|----------|
| 802.11a_Nss1,(6Mbps)_2TX | -      | -    | -         | -              | -              | -           | -        | -          | -           | -          | -        |
| 5180MHz                  | Pass   | AV   | 5.148G    | 43.32          | 54.00          | -10.68      | 3        | Vertical   | 279         | 1.00       | -        |
| 5180MHz                  | Pass   | AV   | 5.1784G   | 96.96          | Inf            | -Inf        | 3        | Vertical   | 279         | 1.00       | -        |
| 5180MHz                  | Pass   | PK   | 5.1484G   | 55.55          | 74.00          | -18.45      | 3        | Vertical   | 279         | 1.00       | -        |
| 5180MHz                  | Pass   | PK   | 5.1786G   | 105.77         | Inf            | -Inf        | 3        | Vertical   | 279         | 1.00       | -        |
| 5180MHz                  | Pass   | AV   | 5.1488G   | 47.11          | 54.00          | -6.89       | 3        | Horizontal | 16          | 1.17       | -        |
| 5180MHz                  | Pass   | AV   | 5.179G    | 102.97         | Inf            | -Inf        | 3        | Horizontal | 16          | 1.17       | -        |
| 5180MHz                  | Pass   | PK   | 5.1488G   | 58.69          | 74.00          | -15.31      | 3        | Horizontal | 16          | 1.17       | -        |
| 5180MHz                  | Pass   | PK   | 5.1788G   | 111.08         | Inf            | -Inf        | 3        | Horizontal | 16          | 1.17       | -        |
| 5180MHz                  | Pass   | PK   | 10.35948G | 60.26          | 68.20          | -7.94       | 3        | Vertical   | 195         | 1.30       | -        |
| 5180MHz                  | Pass   | PK   | 10.36104G | 66.10          | 68.20          | -2.10       | 3        | Horizontal | 297         | 1.01       | -        |
| 5200MHz                  | Pass   | AV   | 5.1488G   | 42.47          | 54.00          | -11.53      | 3        | Vertical   | 162         | 1.46       | -        |
| 5200MHz                  | Pass   | AV   | 5.1988G   | 96.78          | Inf            | -Inf        | 3        | Vertical   | 162         | 1.46       | -        |
| 5200MHz                  | Pass   | PK   | 5.1428G   | 53.27          | 74.00          | -20.73      | 3        | Vertical   | 162         | 1.46       | -        |
| 5200MHz                  | Pass   | PK   | 5.1984G   | 105.78         | Inf            | -Inf        | 3        | Vertical   | 162         | 1.46       | -        |
| 5200MHz                  | Pass   | AV   | 5.1496G   | 45.49          | 54.00          | -8.51       | 3        | Horizontal | 16          | 1.01       | -        |
| 5200MHz                  | Pass   | AV   | 5.1988G   | 102.97         | Inf            | -Inf        | 3        | Horizontal | 16          | 1.01       | -        |
| 5200MHz                  | Pass   | PK   | 5.1268G   | 56.55          | 74.00          | -17.45      | 3        | Horizontal | 16          | 1.01       | -        |
| 5200MHz                  | Pass   | PK   | 5.1992G   | 111.56         | Inf            | -Inf        | 3        | Horizontal | 16          | 1.01       | -        |
| 5200MHz                  | Pass   | PK   | 10.40224G | 61.97          | 68.20          | -6.23       | 3        | Vertical   | 173         | 1.50       | -        |
| 5200MHz                  | Pass   | PK   | 10.4008G  | 65.87          | 68.20          | -2.33       | 3        | Horizontal | 299         | 1.29       | -        |
| 5240MHz                  | Pass   | AV   | 5.15G     | 41.86          | 54.00          | -12.14      | 3        | Vertical   | 217         | 1.50       | -        |
| 5240MHz                  | Pass   | AV   | 5.2412G   | 96.28          | Inf            | -Inf        | 3        | Vertical   | 217         | 1.50       | -        |
| 5240MHz                  | Pass   | AV   | 5.3558G   | 40.93          | 54.00          | -13.07      | 3        | Vertical   | 217         | 1.50       | -        |
| 5240MHz                  | Pass   | PK   | 5.1392G   | 53.63          | 74.00          | -20.37      | 3        | Vertical   | 217         | 1.50       | -        |
| 5240MHz                  | Pass   | PK   | 5.2406G   | 104.26         | Inf            | -Inf        | 3        | Vertical   | 217         | 1.50       | -        |
| 5240MHz                  | Pass   | PK   | 5.3546G   | 52.70          | 74.00          | -21.30      | 3        | Vertical   | 217         | 1.50       | -        |
| 5240MHz                  | Pass   | AV   | 5.1476G   | 44.22          | 54.00          | -9.78       | 3        | Horizontal | 13          | 1.44       | -        |
| 5240MHz                  | Pass   | AV   | 5.2406G   | 101.99         | Inf            | -Inf        | 3        | Horizontal | 13          | 1.44       | -        |
| 5240MHz                  | Pass   | AV   | 5.3708G   | 41.83          | 54.00          | -12.17      | 3        | Horizontal | 13          | 1.44       | -        |
| 5240MHz                  | Pass   | PK   | 5.1398G   | 55.44          | 74.00          | -18.56      | 3        | Horizontal | 13          | 1.44       | -        |
| 5240MHz                  | Pass   | PK   | 5.2412G   | 109.85         | Inf            | -Inf        | 3        | Horizontal | 13          | 1.44       | -        |
| 5240MHz                  | Pass   | PK   | 5.3588G   | 53.24          | 74.00          | -20.76      | 3        | Horizontal | 13          | 1.44       | -        |
| 5240MHz                  | Pass   | PK   | 10.47808G | 60.67          | 68.20          | -7.53       | 3        | Vertical   | 173         | 1.50       | -        |
| 5240MHz                  | Pass   | PK   | 10.47624G | 64.87          | 68.20          | -3.33       | 3        | Horizontal | 299         | 1.19       | -        |
| 5260MHz                  | Pass   | AV   | 5.1496G   | 41.61          | 54.00          | -12.39      | 3        | Vertical   | 0           | 1.50       | -        |
| 5260MHz                  | Pass   | AV   | 5.2606G   | 97.34          | Inf            | -Inf        | 3        | Vertical   | 0           | 1.50       | -        |
| 5260MHz                  | Pass   | AV   | 5.41G     | 41.15          | 54.00          | -12.85      | 3        | Vertical   | 0           | 1.50       | -        |
| 5260MHz                  | Pass   | PK   | 5.1454G   | 53.46          | 74.00          | -20.54      | 3        | Vertical   | 0           | 1.50       | -        |
| 5260MHz                  | Pass   | PK   | 5.2612G   | 105.49         | Inf            | -Inf        | 3        | Vertical   | 0           | 1.50       | -        |
| 5260MHz                  | Pass   | PK   | 5.362G    | 52.88          | 74.00          | -21.12      | 3        | Vertical   | 0           | 1.50       | -        |
| 5260MHz                  | Pass   | AV   | 5.1478G   | 43.12          | 54.00          | -10.88      | 3        | Horizontal | 17          | 1.19       | -        |
| 5260MHz                  | Pass   | AV   | 5.2594G   | 103.55         | Inf            | -Inf        | 3        | Horizontal | 17          | 1.19       | -        |
| 5260MHz                  | Pass   | AV   | 5.3584G   | 42.31          | 54.00          | -11.69      | 3        | Horizontal | 17          | 1.19       | -        |
| 5260MHz                  | Pass   | PK   | 5.1496G   | 54.67          | 74.00          | -19.33      | 3        | Horizontal | 17          | 1.19       | -        |
| 5260MHz                  | Pass   | PK   | 5.2594G   | 111.64         | Inf            | -Inf        | 3        | Horizontal | 17          | 1.19       | -        |
| 5260MHz                  | Pass   | PK   | 5.3722G   | 54.31          | 74.00          | -19.69      | 3        | Horizontal | 17          | 1.19       | -        |
| 5260MHz                  | Pass   | PK   | 10.52268G | 63.60          | 68.20          | -4.60       | 3        | Vertical   | 175         | 1.32       | -        |
| 5260MHz                  | Pass   | PK   | 10.52G    | 67.30          | 68.20          | -0.90       | 3        | Horizontal | 298         | 1.16       | -        |
| 5300MHz                  | Pass   | AV   | 5.2992G   | 95.86          | Inf            | -Inf        | 3        | Vertical   | 6           | 1.66       | -        |
| 5300MHz                  | Pass   | AV   | 5.3592G   | 41.63          | 54.00          | -12.37      | 3        | Vertical   | 6           | 1.66       | -        |
| 5300MHz                  | Pass   | PK   | 5.2988G   | 104.70         | Inf            | -Inf        | 3        | Vertical   | 6           | 1.66       | -        |
| 5300MHz                  | Pass   | PK   | 5.3652G   | 53.10          | 74.00          | -20.90      | 3        | Vertical   | 6           | 1.66       | -        |
| 5300MHz                  | Pass   | AV   | 5.2984G   | 101.03         | Inf            | -Inf        | 3        | Horizontal | 28          | 1.20       | -        |
| 5300MHz                  | Pass   | AV   | 5.3556G   | 45.42          | 54.00          | -8.58       | 3        | Horizontal | 28          | 1.20       | -        |
| 5300MHz                  | Pass   | PK   | 5.2984G   | 109.57         | Inf            | -Inf        | 3        | Horizontal | 28          | 1.20       | -        |
| 5300MHz                  | Pass   | PK   | 5.3504G   | 56.74          | 74.00          | -17.26      | 3        | Horizontal | 28          | 1.20       | -        |
| 5300MHz                  | Pass   | AV   | 10.60066G | 53.24          | 54.00          | -0.76       | 3        | Vertical   | 193         | 1.40       | -        |
| 5300MHz                  | Pass   | PK   | 10.60072G | 65.58          | 74.00          | -8.42       | 3        | Vertical   | 193         | 1.40       | -        |
| 5300MHz                  | Pass   | AV   | 10.60012G | 53.11          | 54.00          | -0.89       | 3        | Horizontal | 314         | 1.00       | -        |
| 5300MHz                  | Pass   | PK   | 10.60414G | 69.17          | 74.00          | -4.83       | 3        | Horizontal | 314         | 1.00       | -        |

| Mode                           | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|--------------------------------|--------|------|-----------|----------------|----------------|-------------|----------|------------|-------------|------------|----------|
| 5320MHz                        | Pass   | AV   | 5.3184G   | 96.30          | Inf            | -Inf        | 3        | Vertical   | 152         | 1.35       | -        |
| 5320MHz                        | Pass   | AV   | 5.3532G   | 43.18          | 54.00          | -10.82      | 3        | Vertical   | 152         | 1.35       | -        |
| 5320MHz                        | Pass   | PK   | 5.3182G   | 104.93         | Inf            | -Inf        | 3        | Vertical   | 152         | 1.35       | -        |
| 5320MHz                        | Pass   | PK   | 5.3548G   | 55.36          | 74.00          | -18.64      | 3        | Vertical   | 152         | 1.35       | -        |
| 5320MHz                        | Pass   | AV   | 5.3184G   | 100.78         | Inf            | -Inf        | 3        | Horizontal | 27          | 1.00       | -        |
| 5320MHz                        | Pass   | AV   | 5.353G    | 46.64          | 54.00          | -7.36       | 3        | Horizontal | 27          | 1.00       | -        |
| 5320MHz                        | Pass   | PK   | 5.3186G   | 109.42         | Inf            | -Inf        | 3        | Horizontal | 27          | 1.00       | -        |
| 5320MHz                        | Pass   | PK   | 5.3534G   | 57.74          | 74.00          | -16.26      | 3        | Horizontal | 27          | 1.00       | -        |
| 5320MHz                        | Pass   | AV   | 10.64078G | 53.51          | 54.00          | -0.49       | 3        | Vertical   | 193         | 1.28       | -        |
| 5320MHz                        | Pass   | PK   | 10.6403G  | 66.44          | 74.00          | -7.56       | 3        | Vertical   | 193         | 1.28       | -        |
| 5320MHz                        | Pass   | AV   | 10.64198G | 53.78          | 54.00          | -0.22       | 3        | Horizontal | 305         | 1.18       | -        |
| 5320MHz                        | Pass   | PK   | 10.63682G | 66.33          | 74.00          | -7.67       | 3        | Horizontal | 305         | 1.18       | -        |
| 5500MHz                        | Pass   | AV   | 5.4552G   | 43.41          | 54.00          | -10.59      | 3        | Vertical   | 201         | 1.00       | -        |
| 5500MHz                        | Pass   | AV   | 5.4984G   | 97.68          | Inf            | -Inf        | 3        | Vertical   | 201         | 1.00       | -        |
| 5500MHz                        | Pass   | PK   | 5.469G    | 56.55          | 68.20          | -11.65      | 3        | Vertical   | 201         | 1.00       | -        |
| 5500MHz                        | Pass   | PK   | 5.4988G   | 106.20         | Inf            | -Inf        | 3        | Vertical   | 201         | 1.00       | -        |
| 5500MHz                        | Pass   | AV   | 5.4558G   | 45.02          | 54.00          | -8.98       | 3        | Horizontal | 18          | 1.07       | -        |
| 5500MHz                        | Pass   | AV   | 5.5016G   | 100.48         | Inf            | -Inf        | 3        | Horizontal | 18          | 1.07       | -        |
| 5500MHz                        | Pass   | PK   | 5.47G     | 57.79          | 68.20          | -10.41      | 3        | Horizontal | 18          | 1.07       | -        |
| 5500MHz                        | Pass   | PK   | 5.5022G   | 109.61         | Inf            | -Inf        | 3        | Horizontal | 18          | 1.07       | -        |
| 5500MHz                        | Pass   | AV   | 10.99916G | 48.71          | 54.00          | -5.29       | 3        | Vertical   | 151         | 1.70       | -        |
| 5500MHz                        | Pass   | PK   | 10.99844G | 61.07          | 74.00          | -12.93      | 3        | Vertical   | 151         | 1.70       | -        |
| 5500MHz                        | Pass   | AV   | 10.99808G | 50.67          | 54.00          | -3.33       | 3        | Horizontal | 327         | 1.13       | -        |
| 5500MHz                        | Pass   | PK   | 10.9988G  | 63.15          | 74.00          | -10.85      | 3        | Horizontal | 327         | 1.13       | -        |
| 5580MHz                        | Pass   | AV   | 5.46G     | 41.40          | 54.00          | -12.60      | 3        | Vertical   | 283         | 1.29       | -        |
| 5580MHz                        | Pass   | AV   | 5.5806G   | 97.68          | Inf            | -Inf        | 3        | Vertical   | 283         | 1.29       | -        |
| 5580MHz                        | Pass   | PK   | 5.4648G   | 52.70          | 68.20          | -15.50      | 3        | Vertical   | 283         | 1.29       | -        |
| 5580MHz                        | Pass   | PK   | 5.5806G   | 105.76         | Inf            | -Inf        | 3        | Vertical   | 283         | 1.29       | -        |
| 5580MHz                        | Pass   | PK   | 5.7252G   | 52.83          | 68.20          | -15.37      | 3        | Vertical   | 283         | 1.29       | -        |
| 5580MHz                        | Pass   | AV   | 5.4558G   | 42.22          | 54.00          | -11.78      | 3        | Horizontal | 29          | 1.00       | -        |
| 5580MHz                        | Pass   | AV   | 5.5794G   | 100.95         | Inf            | -Inf        | 3        | Horizontal | 29          | 1.00       | -        |
| 5580MHz                        | Pass   | PK   | 5.4624G   | 54.44          | 68.20          | -13.76      | 3        | Horizontal | 29          | 1.00       | -        |
| 5580MHz                        | Pass   | PK   | 5.5788G   | 109.30         | Inf            | -Inf        | 3        | Horizontal | 29          | 1.00       | -        |
| 5580MHz                        | Pass   | PK   | 5.727G    | 53.37          | 68.20          | -14.83      | 3        | Horizontal | 29          | 1.00       | -        |
| 5580MHz                        | Pass   | AV   | 11.15736G | 46.28          | 54.00          | -7.72       | 3        | Vertical   | 190         | 1.52       | -        |
| 5580MHz                        | Pass   | PK   | 11.1621G  | 58.15          | 74.00          | -15.85      | 3        | Vertical   | 190         | 1.52       | -        |
| 5580MHz                        | Pass   | AV   | 11.16042G | 47.35          | 54.00          | -6.65       | 3        | Horizontal | 320         | 1.16       | -        |
| 5580MHz                        | Pass   | PK   | 11.16018G | 59.07          | 74.00          | -14.93      | 3        | Horizontal | 320         | 1.16       | -        |
| 5700MHz                        | Pass   | AV   | 5.7024G   | 96.70          | Inf            | -Inf        | 3        | Vertical   | 285         | 1.57       | -        |
| 5700MHz                        | Pass   | PK   | 5.7024G   | 105.32         | Inf            | -Inf        | 3        | Vertical   | 285         | 1.57       | -        |
| 5700MHz                        | Pass   | PK   | 5.7252G   | 55.64          | 68.20          | -12.56      | 3        | Vertical   | 285         | 1.57       | -        |
| 5700MHz                        | Pass   | AV   | 5.7012G   | 100.72         | Inf            | -Inf        | 3        | Horizontal | 29          | 1.00       | -        |
| 5700MHz                        | Pass   | PK   | 5.7016G   | 109.24         | Inf            | -Inf        | 3        | Horizontal | 29          | 1.00       | -        |
| 5700MHz                        | Pass   | PK   | 5.7264G   | 58.62          | 68.20          | -9.58       | 3        | Horizontal | 29          | 1.00       | -        |
| 5700MHz                        | Pass   | AV   | 11.40048G | 46.71          | 54.00          | -7.29       | 3        | Vertical   | 194         | 1.35       | -        |
| 5700MHz                        | Pass   | PK   | 11.40072G | 58.44          | 74.00          | -15.56      | 3        | Vertical   | 194         | 1.35       | -        |
| 5700MHz                        | Pass   | AV   | 11.39958G | 46.48          | 54.00          | -7.52       | 3        | Horizontal | 319         | 1.33       | -        |
| 5700MHz                        | Pass   | PK   | 11.40546G | 58.40          | 74.00          | -15.60      | 3        | Horizontal | 319         | 1.33       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | AV   | 5.721G    | 96.92          | Inf            | -Inf        | 3        | Vertical   | 157         | 1.04       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.72G     | 104.95         | Inf            | -Inf        | 3        | Vertical   | 157         | 1.04       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.89G     | 53.64          | 68.20          | -14.56      | 3        | Vertical   | 157         | 1.04       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | AV   | 5.721G    | 100.95         | Inf            | -Inf        | 3        | Horizontal | 28          | 1.13       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.721G    | 109.48         | Inf            | -Inf        | 3        | Horizontal | 28          | 1.13       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.864G    | 54.45          | 68.20          | -13.75      | 3        | Horizontal | 28          | 1.13       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | AV   | 11.44186G | 46.86          | 54.00          | -7.14       | 3        | Vertical   | 193         | 1.31       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | PK   | 11.44162G | 59.06          | 74.00          | -14.94      | 3        | Vertical   | 193         | 1.31       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | AV   | 11.43958G | 45.14          | 54.00          | -8.86       | 3        | Horizontal | 28          | 1.50       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | PK   | 11.43958G | 56.87          | 74.00          | -17.13      | 3        | Horizontal | 28          | 1.50       | -        |
| 5745MHz                        | Pass   | AV   | 5.7438G   | 95.79          | Inf            | -Inf        | 3        | Vertical   | 156         | 1.38       | -        |
| 5745MHz                        | Pass   | PK   | 5.5998G   | 54.22          | 68.20          | -13.98      | 3        | Vertical   | 156         | 1.38       | -        |
| 5745MHz                        | Pass   | PK   | 5.7438G   | 104.55         | Inf            | -Inf        | 3        | Vertical   | 156         | 1.38       | -        |
| 5745MHz                        | Pass   | PK   | 6.0342G   | 54.09          | 68.20          | -14.11      | 3        | Vertical   | 156         | 1.38       | -        |

| Mode                           | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|--------------------------------|--------|------|-----------|----------------|----------------|-------------|----------|------------|-------------|------------|----------|
| 5745MHz                        | Pass   | AV   | 5.7438G   | 99.06          | Inf            | -Inf        | 3        | Horizontal | 25          | 1.00       | -        |
| 5745MHz                        | Pass   | PK   | 5.6226G   | 53.60          | 68.20          | -14.60      | 3        | Horizontal | 25          | 1.00       | -        |
| 5745MHz                        | Pass   | PK   | 5.7438G   | 107.70         | Inf            | -Inf        | 3        | Horizontal | 25          | 1.00       | -        |
| 5745MHz                        | Pass   | PK   | 6.0342G   | 54.49          | 68.20          | -13.71      | 3        | Horizontal | 25          | 1.00       | -        |
| 5745MHz                        | Pass   | AV   | 11.48886G | 44.19          | 54.00          | -9.81       | 3        | Vertical   | 140         | 1.88       | -        |
| 5745MHz                        | Pass   | PK   | 11.48892G | 56.37          | 74.00          | -17.63      | 3        | Vertical   | 140         | 1.88       | -        |
| 5745MHz                        | Pass   | AV   | 11.48448G | 42.97          | 54.00          | -11.03      | 3        | Horizontal | 356         | 1.50       | -        |
| 5745MHz                        | Pass   | PK   | 11.49888G | 54.89          | 74.00          | -19.11      | 3        | Horizontal | 356         | 1.50       | -        |
| 5785MHz                        | Pass   | AV   | 5.7862G   | 94.71          | Inf            | -Inf        | 3        | Vertical   | 25          | 3.00       | -        |
| 5785MHz                        | Pass   | PK   | 5.5582G   | 53.49          | 68.20          | -14.71      | 3        | Vertical   | 25          | 3.00       | -        |
| 5785MHz                        | Pass   | PK   | 5.7862G   | 102.88         | Inf            | -Inf        | 3        | Vertical   | 25          | 3.00       | -        |
| 5785MHz                        | Pass   | PK   | 6.0538G   | 54.36          | 68.20          | -13.84      | 3        | Vertical   | 25          | 3.00       | -        |
| 5785MHz                        | Pass   | AV   | 5.7862G   | 98.73          | Inf            | -Inf        | 3        | Horizontal | 24          | 1.00       | -        |
| 5785MHz                        | Pass   | PK   | 5.6446G   | 53.44          | 68.20          | -14.76      | 3        | Horizontal | 24          | 1.00       | -        |
| 5785MHz                        | Pass   | PK   | 5.7862G   | 107.72         | Inf            | -Inf        | 3        | Horizontal | 24          | 1.00       | -        |
| 5785MHz                        | Pass   | PK   | 5.9326G   | 54.97          | 68.20          | -13.23      | 3        | Horizontal | 24          | 1.00       | -        |
| 5785MHz                        | Pass   | AV   | 11.5685G  | 43.22          | 54.00          | -10.78      | 3        | Vertical   | 296         | 1.76       | -        |
| 5785MHz                        | Pass   | PK   | 11.5829G  | 55.46          | 74.00          | -18.54      | 3        | Vertical   | 296         | 1.76       | -        |
| 5785MHz                        | Pass   | AV   | 11.57444G | 42.82          | 54.00          | -11.18      | 3        | Horizontal | 4           | 1.50       | -        |
| 5785MHz                        | Pass   | PK   | 11.5559G  | 55.02          | 74.00          | -18.98      | 3        | Horizontal | 4           | 1.50       | -        |
| 5825MHz                        | Pass   | AV   | 5.8262G   | 97.26          | Inf            | -Inf        | 3        | Vertical   | 155         | 1.09       | -        |
| 5825MHz                        | Pass   | PK   | 5.6234G   | 53.32          | 68.20          | -14.88      | 3        | Vertical   | 155         | 1.09       | -        |
| 5825MHz                        | Pass   | PK   | 5.8262G   | 105.49         | Inf            | -Inf        | 3        | Vertical   | 155         | 1.09       | -        |
| 5825MHz                        | Pass   | PK   | 5.9558G   | 54.64          | 68.20          | -13.56      | 3        | Vertical   | 155         | 1.09       | -        |
| 5825MHz                        | Pass   | AV   | 5.8262G   | 100.57         | Inf            | -Inf        | 3        | Horizontal | 25          | 1.01       | -        |
| 5825MHz                        | Pass   | PK   | 5.597G    | 52.99          | 68.20          | -15.21      | 3        | Horizontal | 25          | 1.01       | -        |
| 5825MHz                        | Pass   | PK   | 5.8262G   | 109.23         | Inf            | -Inf        | 3        | Horizontal | 25          | 1.01       | -        |
| 5825MHz                        | Pass   | PK   | 5.9426G   | 55.14          | 68.20          | -13.06      | 3        | Horizontal | 25          | 1.01       | -        |
| 5825MHz                        | Pass   | AV   | 11.64838G | 44.16          | 54.00          | -9.84       | 3        | Vertical   | 319         | 1.36       | -        |
| 5825MHz                        | Pass   | PK   | 11.64976G | 55.93          | 74.00          | -18.07      | 3        | Vertical   | 319         | 1.36       | -        |
| 5825MHz                        | Pass   | AV   | 11.64988G | 44.04          | 54.00          | -9.96       | 3        | Horizontal | 319         | 1.21       | -        |
| 5825MHz                        | Pass   | PK   | 11.65522G | 56.01          | 74.00          | -17.99      | 3        | Horizontal | 319         | 1.21       | -        |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -    | -         | -              | -              | -           | -        | -          | -           | -          | -        |
| 5180MHz                        | Pass   | AV   | 5.1464G   | 45.86          | 54.00          | -8.14       | 3        | Vertical   | 207         | 1.28       | -        |
| 5180MHz                        | Pass   | AV   | 5.1812G   | 97.27          | Inf            | -Inf        | 3        | Vertical   | 207         | 1.28       | -        |
| 5180MHz                        | Pass   | PK   | 5.1484G   | 55.00          | 74.00          | -19.00      | 3        | Vertical   | 207         | 1.28       | -        |
| 5180MHz                        | Pass   | PK   | 5.1812G   | 107.01         | Inf            | -Inf        | 3        | Vertical   | 207         | 1.28       | -        |
| 5180MHz                        | Pass   | AV   | 5.148G    | 49.14          | 54.00          | -4.86       | 3        | Horizontal | 15          | 1.26       | -        |
| 5180MHz                        | Pass   | AV   | 5.1808G   | 101.97         | Inf            | -Inf        | 3        | Horizontal | 15          | 1.26       | -        |
| 5180MHz                        | Pass   | PK   | 5.1398G   | 59.04          | 74.00          | -14.96      | 3        | Horizontal | 15          | 1.26       | -        |
| 5180MHz                        | Pass   | PK   | 5.1786G   | 111.72         | Inf            | -Inf        | 3        | Horizontal | 15          | 1.26       | -        |
| 5180MHz                        | Pass   | PK   | 10.36444G | 62.55          | 68.20          | -5.65       | 3        | Vertical   | 195         | 1.00       | -        |
| 5180MHz                        | Pass   | PK   | 10.3591G  | 61.65          | 68.20          | -6.55       | 3        | Horizontal | 0           | 1.49       | -        |
| 5200MHz                        | Pass   | AV   | 5.1496G   | 45.22          | 54.00          | -8.78       | 3        | Vertical   | 349         | 2.03       | -        |
| 5200MHz                        | Pass   | AV   | 5.2008G   | 97.50          | Inf            | -Inf        | 3        | Vertical   | 349         | 2.03       | -        |
| 5200MHz                        | Pass   | PK   | 5.1424G   | 54.53          | 74.00          | -19.47      | 3        | Vertical   | 349         | 2.03       | -        |
| 5200MHz                        | Pass   | PK   | 5.2004G   | 106.96         | Inf            | -Inf        | 3        | Vertical   | 349         | 2.03       | -        |
| 5200MHz                        | Pass   | AV   | 5.15G     | 47.63          | 54.00          | -6.37       | 3        | Horizontal | 17          | 1.12       | -        |
| 5200MHz                        | Pass   | AV   | 5.1984G   | 102.17         | Inf            | -Inf        | 3        | Horizontal | 17          | 1.12       | -        |
| 5200MHz                        | Pass   | PK   | 5.142G    | 57.46          | 74.00          | -16.54      | 3        | Horizontal | 17          | 1.12       | -        |
| 5200MHz                        | Pass   | PK   | 5.1984G   | 111.96         | Inf            | -Inf        | 3        | Horizontal | 17          | 1.12       | -        |
| 5200MHz                        | Pass   | PK   | 10.39946G | 62.95          | 68.20          | -5.25       | 3        | Vertical   | 194         | 1.00       | -        |
| 5200MHz                        | Pass   | PK   | 10.39952G | 61.97          | 68.20          | -6.23       | 3        | Horizontal | 0           | 1.50       | -        |
| 5240MHz                        | Pass   | AV   | 5.15G     | 44.68          | 54.00          | -9.32       | 3        | Vertical   | 338         | 2.91       | -        |
| 5240MHz                        | Pass   | AV   | 5.2412G   | 96.90          | Inf            | -Inf        | 3        | Vertical   | 338         | 2.91       | -        |
| 5240MHz                        | Pass   | AV   | 5.363G    | 43.97          | 54.00          | -10.03      | 3        | Vertical   | 338         | 2.91       | -        |
| 5240MHz                        | Pass   | PK   | 5.15G     | 53.88          | 74.00          | -20.12      | 3        | Vertical   | 338         | 2.91       | -        |
| 5240MHz                        | Pass   | PK   | 5.2388G   | 106.04         | Inf            | -Inf        | 3        | Vertical   | 338         | 2.91       | -        |
| 5240MHz                        | Pass   | PK   | 5.3594G   | 52.95          | 74.00          | -21.05      | 3        | Vertical   | 338         | 2.91       | -        |
| 5240MHz                        | Pass   | AV   | 5.147G    | 47.30          | 54.00          | -6.70       | 3        | Horizontal | 9           | 1.12       | -        |
| 5240MHz                        | Pass   | AV   | 5.2388G   | 101.69         | Inf            | -Inf        | 3        | Horizontal | 9           | 1.12       | -        |
| 5240MHz                        | Pass   | AV   | 5.3546G   | 45.47          | 54.00          | -8.53       | 3        | Horizontal | 9           | 1.12       | -        |

| Mode    | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|---------|--------|------|-----------|----------------|----------------|-------------|----------|------------|-------------|------------|----------|
| 5240MHz | Pass   | PK   | 5.15G     | 57.48          | 74.00          | -16.52      | 3        | Horizontal | 9           | 1.12       | -        |
| 5240MHz | Pass   | PK   | 5.2364G   | 111.15         | Inf            | -Inf        | 3        | Horizontal | 9           | 1.12       | -        |
| 5240MHz | Pass   | PK   | 5.3684G   | 54.92          | 74.00          | -19.08      | 3        | Horizontal | 9           | 1.12       | -        |
| 5240MHz | Pass   | PK   | 10.486G   | 60.75          | 68.20          | -7.45       | 3        | Vertical   | 188         | 1.31       | -        |
| 5240MHz | Pass   | PK   | 10.48702G | 61.19          | 68.20          | -7.01       | 3        | Horizontal | 291         | 1.15       | -        |
| 5260MHz | Pass   | AV   | 5.15G     | 43.98          | 54.00          | -10.02      | 3        | Vertical   | 338         | 2.87       | -        |
| 5260MHz | Pass   | AV   | 5.2612G   | 94.92          | Inf            | -Inf        | 3        | Vertical   | 338         | 2.87       | -        |
| 5260MHz | Pass   | AV   | 5.3734G   | 43.95          | 54.00          | -10.05      | 3        | Vertical   | 338         | 2.87       | -        |
| 5260MHz | Pass   | PK   | 5.1262G   | 54.19          | 74.00          | -19.81      | 3        | Vertical   | 338         | 2.87       | -        |
| 5260MHz | Pass   | PK   | 5.2636G   | 104.27         | Inf            | -Inf        | 3        | Vertical   | 338         | 2.87       | -        |
| 5260MHz | Pass   | PK   | 5.3818G   | 53.17          | 74.00          | -20.83      | 3        | Vertical   | 338         | 2.87       | -        |
| 5260MHz | Pass   | AV   | 5.1496G   | 45.45          | 54.00          | -8.55       | 3        | Horizontal | 10          | 1.00       | -        |
| 5260MHz | Pass   | AV   | 5.2618G   | 100.05         | Inf            | -Inf        | 3        | Horizontal | 10          | 1.00       | -        |
| 5260MHz | Pass   | AV   | 5.3674G   | 44.87          | 54.00          | -9.13       | 3        | Horizontal | 10          | 1.00       | -        |
| 5260MHz | Pass   | PK   | 5.1484G   | 54.68          | 74.00          | -19.32      | 3        | Horizontal | 10          | 1.00       | -        |
| 5260MHz | Pass   | PK   | 5.2618G   | 109.44         | Inf            | -Inf        | 3        | Horizontal | 10          | 1.00       | -        |
| 5260MHz | Pass   | PK   | 5.3692G   | 54.43          | 74.00          | -19.57      | 3        | Horizontal | 10          | 1.00       | -        |
| 5260MHz | Pass   | PK   | 10.51562G | 62.78          | 68.20          | -5.42       | 3        | Vertical   | 190         | 1.43       | -        |
| 5260MHz | Pass   | PK   | 10.52258G | 61.72          | 68.20          | -6.48       | 3        | Horizontal | 294         | 1.22       | -        |
| 5300MHz | Pass   | AV   | 5.298G    | 94.36          | Inf            | -Inf        | 3        | Vertical   | 333         | 3.00       | -        |
| 5300MHz | Pass   | AV   | 5.3556G   | 44.56          | 54.00          | -9.44       | 3        | Vertical   | 333         | 3.00       | -        |
| 5300MHz | Pass   | PK   | 5.2952G   | 104.46         | Inf            | -Inf        | 3        | Vertical   | 333         | 3.00       | -        |
| 5300MHz | Pass   | PK   | 5.3596G   | 54.06          | 74.00          | -19.94      | 3        | Vertical   | 333         | 3.00       | -        |
| 5300MHz | Pass   | AV   | 5.2992G   | 98.77          | Inf            | -Inf        | 3        | Horizontal | 11          | 1.34       | -        |
| 5300MHz | Pass   | AV   | 5.3924G   | 46.60          | 54.00          | -7.40       | 3        | Horizontal | 11          | 1.34       | -        |
| 5300MHz | Pass   | PK   | 5.2992G   | 107.73         | Inf            | -Inf        | 3        | Horizontal | 11          | 1.34       | -        |
| 5300MHz | Pass   | PK   | 5.3532G   | 56.23          | 74.00          | -17.77      | 3        | Horizontal | 11          | 1.34       | -        |
| 5300MHz | Pass   | AV   | 10.6021G  | 52.25          | 54.00          | -1.75       | 3        | Vertical   | 195         | 1.00       | -        |
| 5300MHz | Pass   | PK   | 10.60402G | 61.07          | 74.00          | -12.93      | 3        | Vertical   | 195         | 1.00       | -        |
| 5300MHz | Pass   | AV   | 10.60144G | 53.06          | 54.00          | -0.94       | 3        | Horizontal | 307         | 1.18       | -        |
| 5300MHz | Pass   | PK   | 10.60612G | 62.70          | 74.00          | -11.30      | 3        | Horizontal | 307         | 1.18       | -        |
| 5320MHz | Pass   | AV   | 5.3182G   | 93.39          | Inf            | -Inf        | 3        | Vertical   | 148         | 1.02       | -        |
| 5320MHz | Pass   | AV   | 5.3526G   | 44.71          | 54.00          | -9.29       | 3        | Vertical   | 148         | 1.02       | -        |
| 5320MHz | Pass   | PK   | 5.323G    | 103.72         | Inf            | -Inf        | 3        | Vertical   | 148         | 1.02       | -        |
| 5320MHz | Pass   | PK   | 5.355G    | 54.53          | 74.00          | -19.47      | 3        | Vertical   | 148         | 1.02       | -        |
| 5320MHz | Pass   | AV   | 5.3194G   | 98.53          | Inf            | -Inf        | 3        | Horizontal | 13          | 1.09       | -        |
| 5320MHz | Pass   | AV   | 5.356G    | 47.24          | 54.00          | -6.76       | 3        | Horizontal | 13          | 1.09       | -        |
| 5320MHz | Pass   | PK   | 5.3192G   | 108.40         | Inf            | -Inf        | 3        | Horizontal | 13          | 1.09       | -        |
| 5320MHz | Pass   | PK   | 5.352G    | 56.88          | 74.00          | -17.12      | 3        | Horizontal | 13          | 1.09       | -        |
| 5320MHz | Pass   | AV   | 10.63766G | 50.48          | 54.00          | -3.52       | 3        | Vertical   | 194         | 1.50       | -        |
| 5320MHz | Pass   | PK   | 10.63994G | 58.87          | 74.00          | -15.13      | 3        | Vertical   | 194         | 1.50       | -        |
| 5320MHz | Pass   | AV   | 10.63922G | 52.10          | 54.00          | -1.90       | 3        | Horizontal | 323         | 1.20       | -        |
| 5320MHz | Pass   | PK   | 10.63916G | 61.21          | 74.00          | -12.79      | 3        | Horizontal | 323         | 1.20       | -        |
| 5500MHz | Pass   | AV   | 5.4544G   | 45.38          | 54.00          | -8.62       | 3        | Vertical   | 326         | 1.36       | -        |
| 5500MHz | Pass   | AV   | 5.5006G   | 97.16          | Inf            | -Inf        | 3        | Vertical   | 326         | 1.36       | -        |
| 5500MHz | Pass   | PK   | 5.4694G   | 55.20          | 68.20          | -13.00      | 3        | Vertical   | 326         | 1.36       | -        |
| 5500MHz | Pass   | PK   | 5.5004G   | 107.00         | Inf            | -Inf        | 3        | Vertical   | 326         | 1.36       | -        |
| 5500MHz | Pass   | AV   | 5.459G    | 48.19          | 54.00          | -5.81       | 3        | Horizontal | 16          | 1.03       | -        |
| 5500MHz | Pass   | AV   | 5.501G    | 100.81         | Inf            | -Inf        | 3        | Horizontal | 16          | 1.03       | -        |
| 5500MHz | Pass   | PK   | 5.4682G   | 58.52          | 68.20          | -9.68       | 3        | Horizontal | 16          | 1.03       | -        |
| 5500MHz | Pass   | PK   | 5.4986G   | 110.63         | Inf            | -Inf        | 3        | Horizontal | 16          | 1.03       | -        |
| 5500MHz | Pass   | AV   | 10.99964G | 50.22          | 54.00          | -3.78       | 3        | Vertical   | 155         | 1.12       | -        |
| 5500MHz | Pass   | PK   | 11.00018G | 60.98          | 74.00          | -13.02      | 3        | Vertical   | 155         | 1.12       | -        |
| 5500MHz | Pass   | AV   | 11.00018G | 50.69          | 54.00          | -3.31       | 3        | Horizontal | 316         | 1.27       | -        |
| 5500MHz | Pass   | PK   | 11.00042G | 61.69          | 74.00          | -12.31      | 3        | Horizontal | 316         | 1.27       | -        |
| 5580MHz | Pass   | AV   | 5.4534G   | 44.14          | 54.00          | -9.86       | 3        | Vertical   | 277         | 1.31       | -        |
| 5580MHz | Pass   | AV   | 5.5776G   | 98.30          | Inf            | -Inf        | 3        | Vertical   | 277         | 1.31       | -        |
| 5580MHz | Pass   | PK   | 5.4672G   | 53.25          | 68.20          | -14.95      | 3        | Vertical   | 277         | 1.31       | -        |
| 5580MHz | Pass   | PK   | 5.5848G   | 108.07         | Inf            | -Inf        | 3        | Vertical   | 277         | 1.31       | -        |
| 5580MHz | Pass   | PK   | 5.7264G   | 52.85          | 68.20          | -15.35      | 3        | Vertical   | 277         | 1.31       | -        |
| 5580MHz | Pass   | AV   | 5.46G     | 44.07          | 54.00          | -9.93       | 3        | Horizontal | 40          | 1.38       | -        |
| 5580MHz | Pass   | AV   | 5.5806G   | 99.81          | Inf            | -Inf        | 3        | Horizontal | 40          | 1.38       | -        |

| Mode                           | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|--------------------------------|--------|------|-----------|----------------|----------------|-------------|----------|------------|-------------|------------|----------|
| 5580MHz                        | Pass   | PK   | 5.4678G   | 54.14          | 68.20          | -14.06      | 3        | Horizontal | 40          | 1.38       | -        |
| 5580MHz                        | Pass   | PK   | 5.5782G   | 109.66         | Inf            | -Inf        | 3        | Horizontal | 40          | 1.38       | -        |
| 5580MHz                        | Pass   | PK   | 5.7294G   | 53.93          | 68.20          | -14.27      | 3        | Horizontal | 40          | 1.38       | -        |
| 5580MHz                        | Pass   | AV   | 11.16114G | 47.85          | 54.00          | -6.15       | 3        | Vertical   | 187         | 1.69       | -        |
| 5580MHz                        | Pass   | PK   | 11.15412G | 57.32          | 74.00          | -16.68      | 3        | Vertical   | 187         | 1.69       | -        |
| 5580MHz                        | Pass   | AV   | 11.16186G | 48.95          | 54.00          | -5.05       | 3        | Horizontal | 304         | 1.08       | -        |
| 5580MHz                        | Pass   | PK   | 11.16834G | 57.59          | 74.00          | -16.41      | 3        | Horizontal | 304         | 1.08       | -        |
| 5700MHz                        | Pass   | AV   | 5.6988G   | 97.73          | Inf            | -Inf        | 3        | Vertical   | 322         | 1.20       | -        |
| 5700MHz                        | Pass   | PK   | 5.7012G   | 107.45         | Inf            | -Inf        | 3        | Vertical   | 322         | 1.20       | -        |
| 5700MHz                        | Pass   | PK   | 5.7388G   | 55.72          | 68.20          | -12.48      | 3        | Vertical   | 322         | 1.20       | -        |
| 5700MHz                        | Pass   | AV   | 5.7008G   | 100.39         | Inf            | -Inf        | 3        | Horizontal | 24          | 1.01       | -        |
| 5700MHz                        | Pass   | PK   | 5.7008G   | 111.29         | Inf            | -Inf        | 3        | Horizontal | 24          | 1.01       | -        |
| 5700MHz                        | Pass   | PK   | 5.7256G   | 59.32          | 68.20          | -8.88       | 3        | Horizontal | 24          | 1.01       | -        |
| 5700MHz                        | Pass   | AV   | 11.39634G | 49.09          | 54.00          | -4.91       | 3        | Vertical   | 174         | 1.53       | -        |
| 5700MHz                        | Pass   | PK   | 11.40372G | 58.25          | 74.00          | -15.75      | 3        | Vertical   | 174         | 1.53       | -        |
| 5700MHz                        | Pass   | AV   | 11.39892G | 47.21          | 54.00          | -6.79       | 3        | Horizontal | 286         | 2.03       | -        |
| 5700MHz                        | Pass   | PK   | 11.4012G  | 57.62          | 74.00          | -16.38      | 3        | Horizontal | 286         | 2.03       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | AV   | 5.719G    | 97.81          | Inf            | -Inf        | 3        | Vertical   | 0           | 2.51       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.722G    | 108.30         | Inf            | -Inf        | 3        | Vertical   | 0           | 2.51       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.865G    | 54.01          | 68.20          | -14.19      | 3        | Vertical   | 0           | 2.51       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | AV   | 5.719G    | 101.03         | Inf            | -Inf        | 3        | Horizontal | 20          | 1.09       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.716G    | 109.84         | Inf            | -Inf        | 3        | Horizontal | 20          | 1.09       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.885G    | 54.09          | 68.20          | -14.11      | 3        | Horizontal | 20          | 1.09       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | AV   | 11.43688G | 47.86          | 54.00          | -6.14       | 3        | Vertical   | 172         | 1.46       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | PK   | 11.44432G | 58.11          | 74.00          | -15.89      | 3        | Vertical   | 172         | 1.46       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | AV   | 11.43964G | 47.43          | 54.00          | -6.57       | 3        | Horizontal | 326         | 1.38       | -        |
| 5720MHz Straddle 5.47-5.725GHz | Pass   | PK   | 11.43946G | 57.32          | 74.00          | -16.68      | 3        | Horizontal | 326         | 1.38       | -        |
| 5745MHz                        | Pass   | AV   | 5.7426G   | 95.43          | Inf            | -Inf        | 3        | Vertical   | 325         | 1.29       | -        |
| 5745MHz                        | Pass   | PK   | 5.5158G   | 53.97          | 68.20          | -14.23      | 3        | Vertical   | 325         | 1.29       | -        |
| 5745MHz                        | Pass   | PK   | 5.7426G   | 104.84         | Inf            | -Inf        | 3        | Vertical   | 325         | 1.29       | -        |
| 5745MHz                        | Pass   | PK   | 5.9646G   | 54.60          | 68.20          | -13.60      | 3        | Vertical   | 325         | 1.29       | -        |
| 5745MHz                        | Pass   | AV   | 5.7462G   | 99.39          | Inf            | -Inf        | 3        | Horizontal | 15          | 1.08       | -        |
| 5745MHz                        | Pass   | PK   | 5.5974G   | 54.01          | 68.20          | -14.19      | 3        | Horizontal | 15          | 1.08       | -        |
| 5745MHz                        | Pass   | PK   | 5.7462G   | 108.14         | Inf            | -Inf        | 3        | Horizontal | 15          | 1.08       | -        |
| 5745MHz                        | Pass   | PK   | 5.9406G   | 54.55          | 68.20          | -13.65      | 3        | Horizontal | 15          | 1.08       | -        |
| 5745MHz                        | Pass   | AV   | 11.4918G  | 46.67          | 54.00          | -7.33       | 3        | Vertical   | 173         | 1.36       | -        |
| 5745MHz                        | Pass   | PK   | 11.48922G | 56.33          | 74.00          | -17.67      | 3        | Vertical   | 173         | 1.36       | -        |
| 5745MHz                        | Pass   | AV   | 11.4948G  | 45.76          | 54.00          | -8.24       | 3        | Horizontal | 328         | 1.50       | -        |
| 5745MHz                        | Pass   | PK   | 11.49264G | 55.21          | 74.00          | -18.79      | 3        | Horizontal | 328         | 1.50       | -        |
| 5785MHz                        | Pass   | AV   | 5.7826G   | 94.97          | Inf            | -Inf        | 3        | Vertical   | 324         | 1.43       | -        |
| 5785MHz                        | Pass   | PK   | 5.635G    | 53.41          | 68.20          | -14.79      | 3        | Vertical   | 324         | 1.43       | -        |
| 5785MHz                        | Pass   | PK   | 5.7874G   | 104.43         | Inf            | -Inf        | 3        | Vertical   | 324         | 1.43       | -        |
| 5785MHz                        | Pass   | PK   | 6.0526G   | 54.66          | 68.20          | -13.54      | 3        | Vertical   | 324         | 1.43       | -        |
| 5785MHz                        | Pass   | AV   | 5.7838G   | 99.06          | Inf            | -Inf        | 3        | Horizontal | 16          | 1.01       | -        |
| 5785MHz                        | Pass   | PK   | 5.5294G   | 53.59          | 68.20          | -14.61      | 3        | Horizontal | 16          | 1.01       | -        |
| 5785MHz                        | Pass   | PK   | 5.7838G   | 107.78         | Inf            | -Inf        | 3        | Horizontal | 16          | 1.01       | -        |
| 5785MHz                        | Pass   | PK   | 6.0466G   | 54.30          | 68.20          | -13.90      | 3        | Horizontal | 16          | 1.01       | -        |
| 5785MHz                        | Pass   | AV   | 11.5694G  | 46.31          | 54.00          | -7.69       | 3        | Vertical   | 160         | 1.76       | -        |
| 5785MHz                        | Pass   | PK   | 11.56952G | 55.78          | 74.00          | -18.22      | 3        | Vertical   | 160         | 1.76       | -        |
| 5785MHz                        | Pass   | AV   | 11.558G   | 45.67          | 54.00          | -8.33       | 3        | Horizontal | 329         | 1.04       | -        |
| 5785MHz                        | Pass   | PK   | 11.5826G  | 55.82          | 74.00          | -18.18      | 3        | Horizontal | 329         | 1.04       | -        |
| 5825MHz                        | Pass   | AV   | 5.8238G   | 98.12          | Inf            | -Inf        | 3        | Vertical   | 276         | 1.02       | -        |
| 5825MHz                        | Pass   | PK   | 5.5646G   | 54.24          | 68.20          | -13.96      | 3        | Vertical   | 276         | 1.02       | -        |
| 5825MHz                        | Pass   | PK   | 5.8214G   | 107.13         | Inf            | -Inf        | 3        | Vertical   | 276         | 1.02       | -        |
| 5825MHz                        | Pass   | PK   | 5.9474G   | 54.45          | 68.20          | -13.75      | 3        | Vertical   | 276         | 1.02       | -        |
| 5825MHz                        | Pass   | AV   | 5.8226G   | 100.49         | Inf            | -Inf        | 3        | Horizontal | 18          | 1.03       | -        |
| 5825MHz                        | Pass   | PK   | 5.633G    | 53.50          | 68.20          | -14.70      | 3        | Horizontal | 18          | 1.03       | -        |
| 5825MHz                        | Pass   | PK   | 5.8226G   | 109.92         | Inf            | -Inf        | 3        | Horizontal | 18          | 1.03       | -        |
| 5825MHz                        | Pass   | PK   | 5.9522G   | 54.95          | 68.20          | -13.25      | 3        | Horizontal | 18          | 1.03       | -        |
| 5825MHz                        | Pass   | AV   | 11.64898G | 46.51          | 54.00          | -7.49       | 3        | Vertical   | 161         | 1.49       | -        |
| 5825MHz                        | Pass   | PK   | 11.6404G  | 55.98          | 74.00          | -18.02      | 3        | Vertical   | 161         | 1.49       | -        |
| 5825MHz                        | Pass   | AV   | 11.65654G | 45.55          | 54.00          | -8.45       | 3        | Horizontal | 338         | 2.79       | -        |

| Mode                           | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|--------------------------------|--------|------|-----------|----------------|----------------|-------------|----------|------------|-------------|------------|----------|
| 5825MHz                        | Pass   | PK   | 11.64916G | 55.75          | 74.00          | -18.25      | 3        | Horizontal | 338         | 2.79       | -        |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -      | -    | -         | -              | -              | -           | -        | -          | -           | -          | -        |
| 5190MHz                        | Pass   | AV   | 5.1476G   | 46.93          | 54.00          | -7.07       | 3        | Vertical   | 207         | 1.06       | -        |
| 5190MHz                        | Pass   | AV   | 5.1884G   | 95.81          | Inf            | -Inf        | 3        | Vertical   | 207         | 1.06       | -        |
| 5190MHz                        | Pass   | PK   | 5.146G    | 56.36          | 74.00          | -17.64      | 3        | Vertical   | 207         | 1.06       | -        |
| 5190MHz                        | Pass   | PK   | 5.1912G   | 105.90         | Inf            | -Inf        | 3        | Vertical   | 207         | 1.06       | -        |
| 5190MHz                        | Pass   | AV   | 5.1484G   | 50.93          | 54.00          | -3.07       | 3        | Horizontal | 22          | 1.25       | -        |
| 5190MHz                        | Pass   | AV   | 5.1916G   | 100.68         | Inf            | -Inf        | 3        | Horizontal | 22          | 1.25       | -        |
| 5190MHz                        | Pass   | PK   | 5.1476G   | 59.09          | 74.00          | -14.91      | 3        | Horizontal | 22          | 1.25       | -        |
| 5190MHz                        | Pass   | PK   | 5.1892G   | 111.24         | Inf            | -Inf        | 3        | Horizontal | 22          | 1.25       | -        |
| 5190MHz                        | Pass   | PK   | 10.3876G  | 58.07          | 68.20          | -10.13      | 3        | Vertical   | 320         | 1.97       | -        |
| 5190MHz                        | Pass   | PK   | 10.38474G | 59.61          | 68.20          | -8.59       | 3        | Horizontal | 4           | 1.49       | -        |
| 5230MHz                        | Pass   | AV   | 5.1488G   | 44.80          | 54.00          | -9.20       | 3        | Vertical   | 149         | 1.26       | -        |
| 5230MHz                        | Pass   | AV   | 5.2308G   | 95.07          | Inf            | -Inf        | 3        | Vertical   | 149         | 1.26       | -        |
| 5230MHz                        | Pass   | PK   | 5.1444G   | 53.68          | 74.00          | -20.32      | 3        | Vertical   | 149         | 1.26       | -        |
| 5230MHz                        | Pass   | PK   | 5.2304G   | 105.39         | Inf            | -Inf        | 3        | Vertical   | 149         | 1.26       | -        |
| 5230MHz                        | Pass   | AV   | 5.1468G   | 47.20          | 54.00          | -6.80       | 3        | Horizontal | 9           | 1.38       | -        |
| 5230MHz                        | Pass   | AV   | 5.2316G   | 99.73          | Inf            | -Inf        | 3        | Horizontal | 9           | 1.38       | -        |
| 5230MHz                        | Pass   | PK   | 5.1492G   | 57.06          | 74.00          | -16.94      | 3        | Horizontal | 9           | 1.38       | -        |
| 5230MHz                        | Pass   | PK   | 5.2364G   | 109.30         | Inf            | -Inf        | 3        | Horizontal | 9           | 1.38       | -        |
| 5230MHz                        | Pass   | PK   | 10.4586G  | 60.01          | 68.20          | -8.19       | 3        | Vertical   | 190         | 1.50       | -        |
| 5230MHz                        | Pass   | PK   | 10.4649G  | 62.66          | 68.20          | -5.54       | 3        | Horizontal | 296         | 1.21       | -        |
| 5270MHz                        | Pass   | AV   | 5.2672G   | 95.52          | Inf            | -Inf        | 3        | Vertical   | 338         | 2.89       | -        |
| 5270MHz                        | Pass   | AV   | 5.3544G   | 44.44          | 54.00          | -9.56       | 3        | Vertical   | 338         | 2.89       | -        |
| 5270MHz                        | Pass   | PK   | 5.2724G   | 104.63         | Inf            | -Inf        | 3        | Vertical   | 338         | 2.89       | -        |
| 5270MHz                        | Pass   | PK   | 5.3524G   | 55.04          | 74.00          | -18.96      | 3        | Vertical   | 338         | 2.89       | -        |
| 5270MHz                        | Pass   | AV   | 5.2684G   | 101.01         | Inf            | -Inf        | 3        | Horizontal | 18          | 1.17       | -        |
| 5270MHz                        | Pass   | AV   | 5.3508G   | 46.71          | 54.00          | -7.29       | 3        | Horizontal | 18          | 1.17       | -        |
| 5270MHz                        | Pass   | PK   | 5.2708G   | 109.78         | Inf            | -Inf        | 3        | Horizontal | 18          | 1.17       | -        |
| 5270MHz                        | Pass   | PK   | 5.3524G   | 55.72          | 74.00          | -18.28      | 3        | Horizontal | 18          | 1.17       | -        |
| 5270MHz                        | Pass   | PK   | 10.5337G  | 60.49          | 68.20          | -7.71       | 3        | Vertical   | 173         | 1.50       | -        |
| 5270MHz                        | Pass   | PK   | 10.549G   | 63.65          | 68.20          | -4.55       | 3        | Horizontal | 306         | 1.12       | -        |
| 5310MHz                        | Pass   | AV   | 5.3092G   | 93.78          | Inf            | -Inf        | 3        | Vertical   | 151         | 1.50       | -        |
| 5310MHz                        | Pass   | AV   | 5.352G    | 45.95          | 54.00          | -8.05       | 3        | Vertical   | 151         | 1.50       | -        |
| 5310MHz                        | Pass   | PK   | 5.3072G   | 103.99         | Inf            | -Inf        | 3        | Vertical   | 151         | 1.50       | -        |
| 5310MHz                        | Pass   | PK   | 5.3604G   | 54.98          | 74.00          | -19.02      | 3        | Vertical   | 151         | 1.50       | -        |
| 5310MHz                        | Pass   | AV   | 5.3088G   | 99.14          | Inf            | -Inf        | 3        | Horizontal | 19          | 1.13       | -        |
| 5310MHz                        | Pass   | AV   | 5.3524G   | 49.57          | 54.00          | -4.43       | 3        | Horizontal | 19          | 1.13       | -        |
| 5310MHz                        | Pass   | PK   | 5.3088G   | 108.64         | Inf            | -Inf        | 3        | Horizontal | 19          | 1.13       | -        |
| 5310MHz                        | Pass   | PK   | 5.3524G   | 59.44          | 74.00          | -14.56      | 3        | Horizontal | 19          | 1.13       | -        |
| 5310MHz                        | Pass   | AV   | 10.6211G  | 51.91          | 54.00          | -2.09       | 3        | Vertical   | 193         | 1.49       | -        |
| 5310MHz                        | Pass   | PK   | 10.6275G  | 62.26          | 74.00          | -11.74      | 3        | Vertical   | 193         | 1.49       | -        |
| 5310MHz                        | Pass   | AV   | 10.6211G  | 53.84          | 54.00          | -0.16       | 3        | Horizontal | 318         | 1.19       | -        |
| 5310MHz                        | Pass   | PK   | 10.6259G  | 62.31          | 74.00          | -11.69      | 3        | Horizontal | 318         | 1.19       | -        |
| 5510MHz                        | Pass   | AV   | 5.4584G   | 45.07          | 54.00          | -8.93       | 3        | Vertical   | 326         | 1.32       | -        |
| 5510MHz                        | Pass   | AV   | 5.5092G   | 94.50          | Inf            | -Inf        | 3        | Vertical   | 326         | 1.32       | -        |
| 5510MHz                        | Pass   | PK   | 5.4684G   | 55.33          | 68.20          | -12.87      | 3        | Vertical   | 326         | 1.32       | -        |
| 5510MHz                        | Pass   | PK   | 5.5096G   | 104.30         | Inf            | -Inf        | 3        | Vertical   | 326         | 1.32       | -        |
| 5510MHz                        | Pass   | AV   | 5.4536G   | 47.53          | 54.00          | -6.47       | 3        | Horizontal | 36          | 1.04       | -        |
| 5510MHz                        | Pass   | AV   | 5.5116G   | 97.35          | Inf            | -Inf        | 3        | Horizontal | 36          | 1.04       | -        |
| 5510MHz                        | Pass   | PK   | 5.468G    | 58.32          | 68.20          | -9.88       | 3        | Horizontal | 36          | 1.04       | -        |
| 5510MHz                        | Pass   | PK   | 5.5088G   | 107.36         | Inf            | -Inf        | 3        | Horizontal | 36          | 1.04       | -        |
| 5510MHz                        | Pass   | AV   | 11.0211G  | 49.40          | 54.00          | -4.60       | 3        | Vertical   | 352         | 2.44       | -        |
| 5510MHz                        | Pass   | PK   | 11.0306G  | 58.87          | 74.00          | -15.13      | 3        | Vertical   | 352         | 2.44       | -        |
| 5510MHz                        | Pass   | AV   | 11.0275G  | 50.35          | 54.00          | -3.65       | 3        | Horizontal | 304         | 1.14       | -        |
| 5510MHz                        | Pass   | PK   | 11.0206G  | 59.51          | 74.00          | -14.49      | 3        | Horizontal | 304         | 1.14       | -        |
| 5550MHz                        | Pass   | AV   | 5.4588G   | 44.61          | 54.00          | -9.39       | 3        | Vertical   | 149         | 1.01       | -        |
| 5550MHz                        | Pass   | AV   | 5.5516G   | 93.81          | Inf            | -Inf        | 3        | Vertical   | 149         | 1.01       | -        |
| 5550MHz                        | Pass   | PK   | 5.4664G   | 53.58          | 68.20          | -14.62      | 3        | Vertical   | 149         | 1.01       | -        |
| 5550MHz                        | Pass   | PK   | 5.5468G   | 103.47         | Inf            | -Inf        | 3        | Vertical   | 149         | 1.01       | -        |
| 5550MHz                        | Pass   | AV   | 5.452G    | 44.97          | 54.00          | -9.03       | 3        | Horizontal | 18          | 1.00       | -        |
| 5550MHz                        | Pass   | AV   | 5.5512G   | 98.42          | Inf            | -Inf        | 3        | Horizontal | 18          | 1.00       | -        |

| Mode                           | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|--------------------------------|--------|------|-----------|----------------|----------------|-------------|----------|------------|-------------|------------|----------|
| 5550MHz                        | Pass   | PK   | 5.466G    | 54.87          | 68.20          | -13.33      | 3        | Horizontal | 18          | 1.00       | -        |
| 5550MHz                        | Pass   | PK   | 5.5488G   | 107.34         | Inf            | -Inf        | 3        | Horizontal | 18          | 1.00       | -        |
| 5550MHz                        | Pass   | AV   | 11.1014G  | 46.94          | 54.00          | -7.06       | 3        | Vertical   | 188         | 1.71       | -        |
| 5550MHz                        | Pass   | PK   | 11.1039G  | 56.55          | 74.00          | -17.45      | 3        | Vertical   | 188         | 1.71       | -        |
| 5550MHz                        | Pass   | AV   | 11.094G   | 47.29          | 54.00          | -6.71       | 3        | Horizontal | 327         | 1.01       | -        |
| 5550MHz                        | Pass   | PK   | 11.094G   | 56.74          | 74.00          | -17.26      | 3        | Horizontal | 327         | 1.01       | -        |
| 5670MHz                        | Pass   | AV   | 5.6718G   | 95.03          | Inf            | -Inf        | 3        | Vertical   | 325         | 1.31       | -        |
| 5670MHz                        | Pass   | PK   | 5.667G    | 104.52         | Inf            | -Inf        | 3        | Vertical   | 325         | 1.31       | -        |
| 5670MHz                        | Pass   | PK   | 5.7258G   | 55.44          | 68.20          | -12.76      | 3        | Vertical   | 325         | 1.31       | -        |
| 5670MHz                        | Pass   | AV   | 5.6724G   | 98.48          | Inf            | -Inf        | 3        | Horizontal | 20          | 1.15       | -        |
| 5670MHz                        | Pass   | PK   | 5.673G    | 107.56         | Inf            | -Inf        | 3        | Horizontal | 20          | 1.15       | -        |
| 5670MHz                        | Pass   | PK   | 5.7252G   | 58.57          | 68.20          | -9.63       | 3        | Horizontal | 20          | 1.15       | -        |
| 5670MHz                        | Pass   | AV   | 11.3414G  | 47.34          | 54.00          | -6.66       | 3        | Vertical   | 173         | 1.48       | -        |
| 5670MHz                        | Pass   | PK   | 11.3481G  | 57.05          | 74.00          | -16.95      | 3        | Vertical   | 173         | 1.48       | -        |
| 5670MHz                        | Pass   | AV   | 11.3398G  | 46.33          | 54.00          | -7.67       | 3        | Horizontal | 14          | 1.42       | -        |
| 5670MHz                        | Pass   | PK   | 11.3385G  | 56.33          | 74.00          | -17.67      | 3        | Horizontal | 14          | 1.42       | -        |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | AV   | 5.708G    | 95.57          | Inf            | -Inf        | 3        | Vertical   | 324         | 1.22       | -        |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.469G    | 52.55          | 68.20          | -15.65      | 3        | Vertical   | 324         | 1.22       | -        |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.708G    | 103.75         | Inf            | -Inf        | 3        | Vertical   | 324         | 1.22       | -        |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.957G    | 53.89          | 68.20          | -14.31      | 3        | Vertical   | 324         | 1.22       | -        |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | AV   | 5.711G    | 97.48          | Inf            | -Inf        | 3        | Horizontal | 360         | 1.41       | -        |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.464G    | 52.60          | 68.20          | -15.60      | 3        | Horizontal | 360         | 1.41       | -        |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.709G    | 107.18         | Inf            | -Inf        | 3        | Horizontal | 360         | 1.41       | -        |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.951G    | 54.28          | 68.20          | -13.92      | 3        | Horizontal | 360         | 1.41       | -        |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | AV   | 11.4188G  | 48.02          | 54.00          | -5.98       | 3        | Vertical   | 172         | 1.50       | -        |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | PK   | 11.4271G  | 56.79          | 74.00          | -17.21      | 3        | Vertical   | 172         | 1.50       | -        |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | AV   | 11.4162G  | 46.04          | 54.00          | -7.96       | 3        | Horizontal | 0           | 1.50       | -        |
| 5710MHz Straddle 5.47-5.725GHz | Pass   | PK   | 11.4182G  | 55.19          | 74.00          | -18.81      | 3        | Horizontal | 0           | 1.50       | -        |
| 5755MHz                        | Pass   | AV   | 5.7562G   | 96.19          | Inf            | -Inf        | 3        | Vertical   | 325         | 1.24       | -        |
| 5755MHz                        | Pass   | PK   | 5.6002G   | 53.50          | 68.20          | -14.70      | 3        | Vertical   | 325         | 1.24       | -        |
| 5755MHz                        | Pass   | PK   | 5.7538G   | 105.36         | Inf            | -Inf        | 3        | Vertical   | 325         | 1.24       | -        |
| 5755MHz                        | Pass   | PK   | 6.037G    | 54.85          | 68.20          | -13.35      | 3        | Vertical   | 325         | 1.24       | -        |
| 5755MHz                        | Pass   | AV   | 5.7598G   | 98.09          | Inf            | -Inf        | 3        | Horizontal | 15          | 1.36       | -        |
| 5755MHz                        | Pass   | PK   | 5.6422G   | 54.37          | 68.20          | -13.83      | 3        | Horizontal | 15          | 1.36       | -        |
| 5755MHz                        | Pass   | PK   | 5.7514G   | 106.84         | Inf            | -Inf        | 3        | Horizontal | 15          | 1.36       | -        |
| 5755MHz                        | Pass   | PK   | 5.959G    | 54.29          | 68.20          | -13.91      | 3        | Horizontal | 15          | 1.36       | -        |
| 5755MHz                        | Pass   | AV   | 11.4989G  | 46.42          | 54.00          | -7.58       | 3        | Vertical   | 179         | 1.90       | -        |
| 5755MHz                        | Pass   | PK   | 11.5013G  | 55.63          | 74.00          | -18.37      | 3        | Vertical   | 179         | 1.90       | -        |
| 5755MHz                        | Pass   | AV   | 11.5114G  | 46.21          | 54.00          | -7.79       | 3        | Horizontal | 304         | 1.94       | -        |
| 5755MHz                        | Pass   | PK   | 11.4905G  | 54.87          | 74.00          | -19.13      | 3        | Horizontal | 304         | 1.94       | -        |
| 5795MHz                        | Pass   | AV   | 5.7962G   | 94.94          | Inf            | -Inf        | 3        | Vertical   | 204         | 1.43       | -        |
| 5795MHz                        | Pass   | PK   | 5.5706G   | 53.42          | 68.20          | -14.78      | 3        | Vertical   | 204         | 1.43       | -        |
| 5795MHz                        | Pass   | PK   | 5.7986G   | 102.98         | Inf            | -Inf        | 3        | Vertical   | 204         | 1.43       | -        |
| 5795MHz                        | Pass   | PK   | 6.029G    | 54.11          | 68.20          | -14.09      | 3        | Vertical   | 204         | 1.43       | -        |
| 5795MHz                        | Pass   | AV   | 5.7938G   | 99.72          | Inf            | -Inf        | 3        | Horizontal | 17          | 1.00       | -        |
| 5795MHz                        | Pass   | PK   | 5.645G    | 54.11          | 68.20          | -14.09      | 3        | Horizontal | 17          | 1.00       | -        |
| 5795MHz                        | Pass   | PK   | 5.7986G   | 108.21         | Inf            | -Inf        | 3        | Horizontal | 17          | 1.00       | -        |
| 5795MHz                        | Pass   | PK   | 5.9498G   | 54.58          | 68.20          | -13.62      | 3        | Horizontal | 17          | 1.00       | -        |
| 5795MHz                        | Pass   | AV   | 11.5658G  | 45.62          | 54.00          | -8.38       | 3        | Vertical   | 163         | 1.50       | -        |
| 5795MHz                        | Pass   | PK   | 11.5942G  | 54.85          | 74.00          | -19.15      | 3        | Vertical   | 163         | 1.50       | -        |
| 5795MHz                        | Pass   | AV   | 11.5935G  | 45.51          | 54.00          | -8.49       | 3        | Horizontal | 118         | 1.74       | -        |
| 5795MHz                        | Pass   | PK   | 11.5717G  | 55.03          | 74.00          | -18.97      | 3        | Horizontal | 118         | 1.74       | -        |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | -      | -    | -         | -              | -              | -           | -        | -          | -           | -          | -        |
| 5210MHz                        | Pass   | AV   | 5.15G     | 45.78          | 54.00          | -8.22       | 3        | Vertical   | 349         | 2.32       | -        |
| 5210MHz                        | Pass   | AV   | 5.206G    | 92.19          | Inf            | -Inf        | 3        | Vertical   | 349         | 2.32       | -        |
| 5210MHz                        | Pass   | AV   | 5.44G     | 43.68          | 54.00          | -10.32      | 3        | Vertical   | 349         | 2.32       | -        |
| 5210MHz                        | Pass   | PK   | 5.15G     | 54.65          | 74.00          | -19.35      | 3        | Vertical   | 349         | 2.32       | -        |
| 5210MHz                        | Pass   | PK   | 5.209G    | 101.03         | Inf            | -Inf        | 3        | Vertical   | 349         | 2.32       | -        |
| 5210MHz                        | Pass   | PK   | 5.424G    | 52.71          | 74.00          | -21.29      | 3        | Vertical   | 349         | 2.32       | -        |
| 5210MHz                        | Pass   | AV   | 5.149G    | 51.21          | 54.00          | -2.79       | 3        | Horizontal | 22          | 1.06       | -        |
| 5210MHz                        | Pass   | AV   | 5.209G    | 98.06          | Inf            | -Inf        | 3        | Horizontal | 22          | 1.06       | -        |
| 5210MHz                        | Pass   | AV   | 5.36G     | 44.19          | 54.00          | -9.81       | 3        | Horizontal | 22          | 1.06       | -        |

| Mode                           | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|--------------------------------|--------|------|-----------|----------------|----------------|-------------|----------|------------|-------------|------------|----------|
| 5210MHz                        | Pass   | PK   | 5.149G    | 59.74          | 74.00          | -14.26      | 3        | Horizontal | 22          | 1.06       | -        |
| 5210MHz                        | Pass   | PK   | 5.209G    | 108.21         | Inf            | -Inf        | 3        | Horizontal | 22          | 1.06       | -        |
| 5210MHz                        | Pass   | PK   | 5.41G     | 53.31          | 74.00          | -20.69      | 3        | Horizontal | 22          | 1.06       | -        |
| 5210MHz                        | Pass   | PK   | 10.4332G  | 59.26          | 68.20          | -8.94       | 3        | Vertical   | 190         | 1.50       | -        |
| 5210MHz                        | Pass   | PK   | 10.4347G  | 58.21          | 68.20          | -9.99       | 3        | Horizontal | 4           | 1.46       | -        |
| 5290MHz                        | Pass   | AV   | 5.131G    | 44.03          | 54.00          | -9.97       | 3        | Vertical   | 7           | 1.50       | -        |
| 5290MHz                        | Pass   | AV   | 5.289G    | 91.42          | Inf            | -Inf        | 3        | Vertical   | 7           | 1.50       | -        |
| 5290MHz                        | Pass   | AV   | 5.363G    | 48.77          | 54.00          | -5.23       | 3        | Vertical   | 7           | 1.50       | -        |
| 5290MHz                        | Pass   | PK   | 5.085G    | 53.54          | 74.00          | -20.46      | 3        | Vertical   | 7           | 1.50       | -        |
| 5290MHz                        | Pass   | PK   | 5.289G    | 99.21          | Inf            | -Inf        | 3        | Vertical   | 7           | 1.50       | -        |
| 5290MHz                        | Pass   | PK   | 5.521G    | 53.24          | 68.20          | -14.96      | 3        | Vertical   | 7           | 1.50       | -        |
| 5290MHz                        | Pass   | AV   | 5.15G     | 46.41          | 54.00          | -7.59       | 3        | Horizontal | 23          | 1.00       | -        |
| 5290MHz                        | Pass   | AV   | 5.288G    | 97.66          | Inf            | -Inf        | 3        | Horizontal | 23          | 1.00       | -        |
| 5290MHz                        | Pass   | AV   | 5.35G     | 53.29          | 54.00          | -0.71       | 3        | Horizontal | 23          | 1.00       | -        |
| 5290MHz                        | Pass   | PK   | 5.15G     | 56.00          | 74.00          | -18.00      | 3        | Horizontal | 23          | 1.00       | -        |
| 5290MHz                        | Pass   | PK   | 5.303G    | 106.51         | Inf            | -Inf        | 3        | Horizontal | 23          | 1.00       | -        |
| 5290MHz                        | Pass   | PK   | 5.351G    | 62.30          | 74.00          | -11.70      | 3        | Horizontal | 23          | 1.00       | -        |
| 5290MHz                        | Pass   | PK   | 10.56698G | 60.00          | 68.20          | -8.20       | 3        | Vertical   | 196         | 1.00       | -        |
| 5290MHz                        | Pass   | PK   | 10.59148G | 60.35          | 68.20          | -7.85       | 3        | Horizontal | 308         | 1.15       | -        |
| 5530MHz                        | Pass   | AV   | 5.456G    | 46.36          | 54.00          | -7.64       | 3        | Vertical   | 325         | 1.50       | -        |
| 5530MHz                        | Pass   | AV   | 5.535G    | 91.30          | Inf            | -Inf        | 3        | Vertical   | 325         | 1.50       | -        |
| 5530MHz                        | Pass   | PK   | 5.468G    | 61.59          | 68.20          | -6.61       | 3        | Vertical   | 325         | 1.50       | -        |
| 5530MHz                        | Pass   | PK   | 5.529G    | 100.50         | Inf            | -Inf        | 3        | Vertical   | 325         | 1.50       | -        |
| 5530MHz                        | Pass   | PK   | 5.772G    | 52.90          | 68.20          | -15.30      | 3        | Vertical   | 325         | 1.50       | -        |
| 5530MHz                        | Pass   | AV   | 5.459G    | 49.20          | 54.00          | -4.80       | 3        | Horizontal | 17          | 1.00       | -        |
| 5530MHz                        | Pass   | AV   | 5.535G    | 96.25          | Inf            | -Inf        | 3        | Horizontal | 17          | 1.00       | -        |
| 5530MHz                        | Pass   | PK   | 5.468G    | 63.55          | 68.20          | -4.65       | 3        | Horizontal | 17          | 1.00       | -        |
| 5530MHz                        | Pass   | PK   | 5.535G    | 105.92         | Inf            | -Inf        | 3        | Horizontal | 17          | 1.00       | -        |
| 5530MHz                        | Pass   | PK   | 5.726G    | 55.02          | 68.20          | -13.18      | 3        | Horizontal | 17          | 1.00       | -        |
| 5530MHz                        | Pass   | AV   | 11.06238G | 47.90          | 54.00          | -6.10       | 3        | Vertical   | 157         | 1.17       | -        |
| 5530MHz                        | Pass   | PK   | 11.04558G | 57.02          | 74.00          | -16.98      | 3        | Vertical   | 157         | 1.17       | -        |
| 5530MHz                        | Pass   | AV   | 11.07876G | 46.08          | 54.00          | -7.92       | 3        | Horizontal | 313         | 1.50       | -        |
| 5530MHz                        | Pass   | PK   | 11.03396G | 56.85          | 74.00          | -17.15      | 3        | Horizontal | 313         | 1.50       | -        |
| 5610MHz                        | Pass   | AV   | 5.411G    | 43.51          | 54.00          | -10.49      | 3        | Vertical   | 276         | 1.26       | -        |
| 5610MHz                        | Pass   | AV   | 5.615G    | 92.31          | Inf            | -Inf        | 3        | Vertical   | 276         | 1.26       | -        |
| 5610MHz                        | Pass   | PK   | 5.47G     | 53.30          | 68.20          | -14.90      | 3        | Vertical   | 276         | 1.26       | -        |
| 5610MHz                        | Pass   | PK   | 5.617G    | 102.05         | Inf            | -Inf        | 3        | Vertical   | 276         | 1.26       | -        |
| 5610MHz                        | Pass   | PK   | 5.759G    | 55.43          | 68.20          | -12.77      | 3        | Vertical   | 276         | 1.26       | -        |
| 5610MHz                        | Pass   | AV   | 5.456G    | 43.83          | 54.00          | -10.17      | 3        | Horizontal | 18          | 1.00       | -        |
| 5610MHz                        | Pass   | AV   | 5.611G    | 95.68          | Inf            | -Inf        | 3        | Horizontal | 18          | 1.00       | -        |
| 5610MHz                        | Pass   | PK   | 5.462G    | 53.24          | 68.20          | -14.96      | 3        | Horizontal | 18          | 1.00       | -        |
| 5610MHz                        | Pass   | PK   | 5.599G    | 104.85         | Inf            | -Inf        | 3        | Horizontal | 18          | 1.00       | -        |
| 5610MHz                        | Pass   | PK   | 5.754G    | 55.75          | 68.20          | -12.45      | 3        | Horizontal | 18          | 1.00       | -        |
| 5610MHz                        | Pass   | AV   | 11.19186G | 45.71          | 54.00          | -8.29       | 3        | Vertical   | 263         | 1.50       | -        |
| 5610MHz                        | Pass   | PK   | 11.25472G | 55.29          | 74.00          | -18.71      | 3        | Vertical   | 263         | 1.50       | -        |
| 5610MHz                        | Pass   | AV   | 11.1913G  | 45.62          | 54.00          | -8.38       | 3        | Horizontal | 133         | 1.50       | -        |
| 5610MHz                        | Pass   | PK   | 11.24856G | 55.50          | 74.00          | -18.50      | 3        | Horizontal | 133         | 1.50       | -        |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | AV   | 5.455G    | 43.15          | 54.00          | -10.85      | 3        | Vertical   | 148         | 1.14       | -        |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | AV   | 5.68G     | 91.66          | Inf            | -Inf        | 3        | Vertical   | 148         | 1.14       | -        |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.467G    | 52.40          | 68.20          | -15.80      | 3        | Vertical   | 148         | 1.14       | -        |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.687G    | 101.73         | Inf            | -Inf        | 3        | Vertical   | 148         | 1.14       | -        |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.872G    | 53.43          | 68.20          | -14.77      | 3        | Vertical   | 148         | 1.14       | -        |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | AV   | 5.459G    | 43.25          | 54.00          | -10.75      | 3        | Horizontal | 20          | 1.00       | -        |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | AV   | 5.689G    | 96.12          | Inf            | -Inf        | 3        | Horizontal | 20          | 1.00       | -        |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.465G    | 52.17          | 68.20          | -16.03      | 3        | Horizontal | 20          | 1.00       | -        |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.699G    | 104.96         | Inf            | -Inf        | 3        | Horizontal | 20          | 1.00       | -        |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | PK   | 5.875G    | 53.69          | 68.20          | -14.51      | 3        | Horizontal | 20          | 1.00       | -        |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | AV   | 11.40758G | 46.32          | 54.00          | -7.68       | 3        | Vertical   | 173         | 1.24       | -        |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | PK   | 11.39568G | 55.70          | 74.00          | -18.30      | 3        | Vertical   | 173         | 1.24       | -        |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | AV   | 11.38854G | 47.03          | 54.00          | -6.97       | 3        | Horizontal | 326         | 1.17       | -        |
| 5690MHz Straddle 5.47-5.725GHz | Pass   | PK   | 11.40156G | 56.11          | 74.00          | -17.89      | 3        | Horizontal | 326         | 1.17       | -        |
| 5775MHz                        | Pass   | AV   | 5.7762G   | 91.94          | Inf            | -Inf        | 3        | Vertical   | 324         | 1.35       | -        |

| Mode    | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|---------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 5775MHz | Pass   | PK   | 5.5506G      | 53.91             | 68.20             | -14.29         | 3           | Vertical   | 324            | 1.35          | -        |
| 5775MHz | Pass   | PK   | 5.7738G      | 101.14            | Inf               | -Inf           | 3           | Vertical   | 324            | 1.35          | -        |
| 5775MHz | Pass   | PK   | 6.0354G      | 54.47             | 68.20             | -13.73         | 3           | Vertical   | 324            | 1.35          | -        |
| 5775MHz | Pass   | AV   | 5.7726G      | 95.45             | Inf               | -Inf           | 3           | Horizontal | 15             | 1.04          | -        |
| 5775MHz | Pass   | PK   | 5.5722G      | 54.03             | 68.20             | -14.17         | 3           | Horizontal | 15             | 1.04          | -        |
| 5775MHz | Pass   | PK   | 5.7702G      | 105.05            | Inf               | -Inf           | 3           | Horizontal | 15             | 1.04          | -        |
| 5775MHz | Pass   | PK   | 6.051G       | 54.36             | 68.20             | -13.84         | 3           | Horizontal | 15             | 1.04          | -        |
| 5775MHz | Pass   | AV   | 11.53054G    | 45.58             | 54.00             | -8.42          | 3           | Vertical   | 169            | 1.50          | -        |
| 5775MHz | Pass   | PK   | 11.52606G    | 55.13             | 74.00             | -18.87         | 3           | Vertical   | 169            | 1.50          | -        |
| 5775MHz | Pass   | AV   | 11.55728G    | 45.86             | 54.00             | -8.14          | 3           | Horizontal | 328            | 1.19          | -        |
| 5775MHz | Pass   | PK   | 11.51836G    | 54.98             | 74.00             | -19.02         | 3           | Horizontal | 328            | 1.19          | -        |