

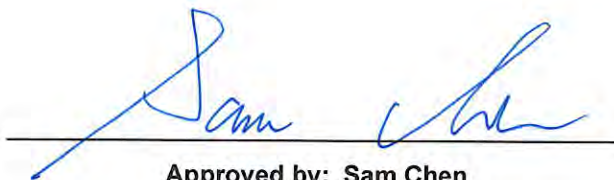


# RADIO TEST REPORT

**FCC ID** : HEDOAP101E  
**Equipment** : Outdoor Access Point  
**Brand Name** : Edgecore  
**Model Name** : OAP101-6EXYYYZ, OAP101e-6EXYYYZ  
(Please refer to section 1.1.5 for detail information.)  
**Applicant** : Accton Technology Corporation  
No. 1, Creation Rd. III, Science-based Industrial Park  
Hsin Chu 30077, Taiwan R.O.C.  
**Manufacturer** : Accton Technology Corporation  
No. 1, Creation Rd. III, Science-based Industrial Park  
Hsin Chu 30077, Taiwan R.O.C.  
**Standard** : 47 CFR FCC Part 15.407

The product was received on Jun. 26, 2023, and testing was started from Jul. 11, 2023 and completed on Oct. 13, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

**Sporton International Inc. Hsinchu Laboratory**

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TEL : 886-3-656-9065  
FAX : 886-3-656-9085  
Report Template No.: CB-A12\_1 Ver1.4



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

**Conformity Assessment Condition:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

**Disclaimer:**

1. The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.
2. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.

**Reviewed by: Sam Chen****Report Producer: Vicky Huang**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

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

| Band         | Mode              | BWch (MHz) | Nant |
|--------------|-------------------|------------|------|
| 5.15-5.25GHz | 802.11a           | 20         | 2TX  |
| 5.15-5.25GHz | 802.11n HT20      | 20         | 2TX  |
| 5.15-5.25GHz | 802.11n HT20-BF   | 20         | 2TX  |
| 5.15-5.25GHz | 802.11ac VHT20    | 20         | 2TX  |
| 5.15-5.25GHz | 802.11ac VHT20-BF | 20         | 2TX  |
| 5.15-5.25GHz | 802.11ax HEW20    | 20         | 2TX  |
| 5.15-5.25GHz | 802.11ax HEW20-BF | 20         | 2TX  |
| 5.15-5.25GHz | 802.11n HT40      | 40         | 2TX  |
| 5.15-5.25GHz | 802.11n HT40-BF   | 40         | 2TX  |
| 5.15-5.25GHz | 802.11ac VHT40    | 40         | 2TX  |
| 5.15-5.25GHz | 802.11ac VHT40-BF | 40         | 2TX  |
| 5.15-5.25GHz | 802.11ax HEW40    | 40         | 2TX  |
| 5.15-5.25GHz | 802.11ax HEW40-BF | 40         | 2TX  |
| 5.15-5.25GHz | 802.11ac VHT80    | 80         | 2TX  |
| 5.15-5.25GHz | 802.11ac VHT80-BF | 80         | 2TX  |
| 5.15-5.25GHz | 802.11ax HEW80    | 80         | 2TX  |



| Band          | Mode               | BWch (MHz) | Nant |
|---------------|--------------------|------------|------|
| 5.15-5.25GHz  | 802.11ax HEW80-BF  | 80         | 2TX  |
| 5.15-5.35GHz  | 802.11ac VHT160    | 160        | 2TX  |
| 5.15-5.35GHz  | 802.11ac VHT160-BF | 160        | 2TX  |
| 5.15-5.35GHz  | 802.11ax HEW160    | 160        | 2TX  |
| 5.15-5.35GHz  | 802.11ax HEW160-BF | 160        | 2TX  |
| 5.25-5.35GHz  | 802.11a            | 20         | 2TX  |
| 5.25-5.35GHz  | 802.11n HT20       | 20         | 2TX  |
| 5.25-5.35GHz  | 802.11n HT20-BF    | 20         | 2TX  |
| 5.25-5.35GHz  | 802.11ac VHT20     | 20         | 2TX  |
| 5.25-5.35GHz  | 802.11ac VHT20-BF  | 20         | 2TX  |
| 5.25-5.35GHz  | 802.11ax HEW20     | 20         | 2TX  |
| 5.25-5.35GHz  | 802.11ax HEW20-BF  | 20         | 2TX  |
| 5.25-5.35GHz  | 802.11n HT40       | 40         | 2TX  |
| 5.25-5.35GHz  | 802.11n HT40-BF    | 40         | 2TX  |
| 5.25-5.35GHz  | 802.11ac VHT40     | 40         | 2TX  |
| 5.25-5.35GHz  | 802.11ac VHT40-BF  | 40         | 2TX  |
| 5.25-5.35GHz  | 802.11ax HEW40     | 40         | 2TX  |
| 5.25-5.35GHz  | 802.11ax HEW40-BF  | 40         | 2TX  |
| 5.25-5.35GHz  | 802.11ac VHT80     | 80         | 2TX  |
| 5.25-5.35GHz  | 802.11ac VHT80-BF  | 80         | 2TX  |
| 5.25-5.35GHz  | 802.11ax HEW80     | 80         | 2TX  |
| 5.25-5.35GHz  | 802.11ax HEW80-BF  | 80         | 2TX  |
| 5.47-5.725GHz | 802.11a            | 20         | 2TX  |
| 5.47-5.725GHz | 802.11n HT20       | 20         | 2TX  |
| 5.47-5.725GHz | 802.11n HT20-BF    | 20         | 2TX  |
| 5.47-5.725GHz | 802.11ac VHT20     | 20         | 2TX  |
| 5.47-5.725GHz | 802.11ac VHT20-BF  | 20         | 2TX  |
| 5.47-5.725GHz | 802.11ax HEW20     | 20         | 2TX  |
| 5.47-5.725GHz | 802.11ax HEW20-BF  | 20         | 2TX  |
| 5.47-5.725GHz | 802.11n HT40       | 40         | 2TX  |
| 5.47-5.725GHz | 802.11n HT40-BF    | 40         | 2TX  |
| 5.47-5.725GHz | 802.11ac VHT40     | 40         | 2TX  |
| 5.47-5.725GHz | 802.11ac VHT40-BF  | 40         | 2TX  |
| 5.47-5.725GHz | 802.11ax HEW40     | 40         | 2TX  |
| 5.47-5.725GHz | 802.11ax HEW40-BF  | 40         | 2TX  |
| 5.47-5.725GHz | 802.11ac VHT80     | 80         | 2TX  |
| 5.47-5.725GHz | 802.11ac VHT80-BF  | 80         | 2TX  |
| 5.47-5.725GHz | 802.11ax HEW80     | 80         | 2TX  |
| 5.47-5.725GHz | 802.11ax HEW80-BF  | 80         | 2TX  |
| 5.47-5.725GHz | 802.11ac VHT160    | 160        | 2TX  |



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

**Note:**

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

### 1.1.2 Antenna Information

For EUT 1:

| Ant. | Port      |        |      |      |     | Brand       | Model Name      | Antenna Type | Connector | Remark        | Gain (dBi) |
|------|-----------|--------|------|------|-----|-------------|-----------------|--------------|-----------|---------------|------------|
|      | Bluetooth | 2.4GHz | 5GHz | 6GHz | GPS |             |                 |              |           |               |            |
| 1    | 1         | -      | -    | -    | -   | Accton      | KG458-160Y17U7X | PCB          | I-PEX     | Internal Ant. | Note1      |
| 2    | -         | 1      | -    | -    | -   | Accton      | KG458-150L17U7X | PCB          | I-PEX     | Internal Ant. |            |
| 3    | -         | 2      | -    | -    | -   | Accton      | KG458-250F17U7X | PCB          | I-PEX     | Internal Ant. |            |
| 4    | -         | -      | 1    | -    | -   | Accton      | KG459-200G17U7X | PCB          | I-PEX     | Internal Ant. |            |
| 5    | -         | -      | 2    | -    | -   | Accton      | KG459-405W17U7X | PCB          | I-PEX     | Internal Ant. |            |
| 6    | -         | -      | -    | 1    | -   | Accton      | KG460-335H17U7X | PCB          | I-PEX     | Internal Ant. |            |
| 7    | -         | -      | -    | 2    | -   | Accton      | KG461-235A17U7X | PCB          | I-PEX     | Internal Ant. |            |
| 8    | -         | -      | -    | -    | 1   | Master Wave | 907X01077X2     | Patch        | I-PEX     | Internal Ant. | 2.96       |

Note1:

| Ant. | Gain (dBi) |        |      |      |
|------|------------|--------|------|------|
|      | Bluetooth  | 2.4GHz | 5GHz | 6GHz |
| 1    | 5.91       | -      | -    | -    |
| 2    | -          | 5.67   | -    | -    |
| 3    | -          | 5.99   | -    | -    |
| 4    | -          | -      | 6.91 | -    |
| 5    | -          | -      | 6.29 | -    |
| 6    | -          | -      | -    | 6.96 |
| 7    | -          | -      | -    | 6.96 |

Note 2: Directional gain information

| Type   | Maximum Output Power                                                                                                                                | Power Spectral Density                                                                                                              |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Non-BF | Directional gain = Max.gain + array gain.<br>For power measurements on IEEE 802.11 devices<br>Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4 | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{ANT}} \left[ \sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$ |
| BF     | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{ANT}} \left[ \sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$                 | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{ANT}} \left[ \sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$ |

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{ANT}} \left[ \sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ;$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

Where ;

$$2.4G \ G1 = 5.67 \text{ dBi} ; G2 = 5.99 \text{ dBi} ; DG = 8.84 \text{ dBi}$$

$$5G \ G1 = 6.91 \text{ dBi} ; G2 = 6.29 \text{ dBi} ; DG = 9.62 \text{ dBi}$$

$$6G \ G1 = 6.96 \text{ dBi} ; G2 = 6.96 \text{ dBi} ; DG = 9.97 \text{ dBi}$$

**For EUT 2:**

| Ant. | Port      |        |      |      |     | Brand       | Model Name      | Antenna Type | Connector | Remark        | Gain (dBi) |
|------|-----------|--------|------|------|-----|-------------|-----------------|--------------|-----------|---------------|------------|
|      | Bluetooth | 2.4GHz | 5GHz | 6GHz | GPS |             |                 |              |           |               |            |
| 1    | 1         | -      | -    | -    | -   | Accton      | KG458-160Y17U7X | PCB          | I-PEX     | Internal Ant. | Note3      |
| 2    | -         | 1      | -    | -    | -   | Accton      | KG458-150L17U7X | PCB          | I-PEX     | Internal Ant. |            |
| 3    | -         | 2      | -    | -    | -   | Accton      | KG458-250F17U7X | PCB          | I-PEX     | Internal Ant. |            |
| 4    | -         | -      | 1    | -    | -   | Master Wave | 98110UNXX001    | Omni Dipole  | I-PEX     | External Ant. |            |
| 5    | -         | -      | 2    | -    | -   | Master Wave | 98110UNXX001    | Omni Dipole  | I-PEX     | External Ant. |            |
| 6    | -         | -      | -    | 1    | -   | Master Wave | 98110VNXX001    | Omni Dipole  | I-PEX     | External Ant. |            |
| 7    | -         | -      | -    | 2    | -   | Master Wave | 98110VNXX001    | Omni Dipole  | I-PEX     | External Ant. |            |
| 8    | -         | -      | -    | -    | 1   | Master Wave | 907X01077X2     | Patch        | I-PEX     | Internal Ant. | 2.96       |

**Note3:**

| Ant. | Gain (dBi) |        |      |      | Cable Loss (dB) |        |      |      | Net Gain (dBi) |        |      |      |
|------|------------|--------|------|------|-----------------|--------|------|------|----------------|--------|------|------|
|      | Bluetooth  | 2.4GHz | 5GHz | 6GHz | Bluetooth       | 2.4GHz | 5GHz | 6GHz | Bluetooth      | 2.4GHz | 5GHz | 6GHz |
| 1    | 5.91       | -      | -    | -    | -               | -      | -    | -    | -              | -      | -    | -    |
| 2    | -          | 5.67   | -    | -    | -               | -      | -    | -    | -              | -      | -    | -    |
| 3    | -          | 5.99   | -    | -    | -               | -      | -    | -    | -              | -      | -    | -    |
| 4    | -          | -      | 6.54 | -    | -               | -      | 1.1  | -    | -              | -      | 5.44 | -    |
| 5    | -          | -      | 6.54 | -    | -               | -      | 2.13 | -    | -              | -      | 4.41 | -    |
| 6    | -          | -      | -    | 6.48 | -               | -      | -    | 1.74 | -              | -      | -    | 4.81 |
| 7    | -          | -      | -    | 6.48 | -               | -      | -    | 1.5  | -              | -      | -    | 5.05 |

**Note4: Directional gain information**

| Type   | Maximum Output Power                                                                                                                                | Power Spectral Density                                                                                                              |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Non-BF | Directional gain = Max.gain + array gain.<br>For power measurements on IEEE 802.11 devices<br>Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4 | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{ANT}} \left( \sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$ |
| BF     | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{ANT}} \left( \sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$                 | $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{ANT}} \left( \sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$ |

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{ANT}} \left( \sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ;$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

Where ;

$$2.4G \ G1 = 5.67 \text{ dBi} ; G2 = 5.99 \text{ dBi} ; DG = 8.84 \text{ dBi}$$

$$5G \ G1 = 5.44 \text{ dBi} ; G2 = 4.41 \text{ dBi} ; DG = 7.95 \text{ dBi}$$

$$6G \ G1 = 4.81 \text{ dBi} ; G2 = 5.05 \text{ dBi} ; DG = 7.94 \text{ dBi}$$



Note5: The above information was declared by manufacturer.

Note6: The WLAN 6GHz function is not enabled for this application.

Note7: **For WLAN 2.4GHz function:**

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

Port 1 and Port 2 can be use as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

**For WLAN 5GHz function:**

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

Port 1 and Port 2 can be use as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously

**For 6GHz function:**

**For IEEE 802.11ax mode (2TX/2RX):**

Port 1 and Port 2 can be use as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously

**For Bluetooth function:**

**For Bluetooth mode (1TX/1RX):**

Only Port 1 can be used as transmitting/receiving antenna.

**For GPS function:**

**For GPS mode (1TX/1RX):**

Only Port 1 can be used as receiving antenna.

### 1.1.3 Mode Test Duty Cycle

**For EUT 1:**

| Mode            | DC    | DCF(dB) | T(s)                 | VBW(Hz) $\geq 1/T$   |
|-----------------|-------|---------|----------------------|----------------------|
| 802.11a         | 0.991 | 0.04    | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW20  | 0.997 | 0.01    | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW40  | 0.997 | 0.01    | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW80  | 0.997 | 0.01    | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW160 | 0.997 | 0.01    | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |

**For EUT 2:**

| Mode            | DC    | DCF(dB) | T(s)                 | VBW(Hz) $\geq 1/T$   |
|-----------------|-------|---------|----------------------|----------------------|
| 802.11a         | 0.987 | 0.06    | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW20  | 0.997 | 0.01    | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW40  | 0.998 | 0.01    | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW80  | 0.997 | 0.01    | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW160 | 0.997 | 0.01    | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

**1.1.4 EUT Operational Condition**

|                                    |                                                                                  |                     |                                     |                      |
|------------------------------------|----------------------------------------------------------------------------------|---------------------|-------------------------------------|----------------------|
| <b>EUT Power Type</b>              | From PoE or DC 48V                                                               |                     |                                     |                      |
| <b>Beamforming Function</b>        | <input checked="" type="checkbox"/>                                              | With beamforming    | <input type="checkbox"/>            | Without beamforming  |
|                                    | The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz. |                     |                                     |                      |
| <b>Weather Band</b>                | <input checked="" type="checkbox"/>                                              | With 5600~5650MHz   | <input type="checkbox"/>            | Without 5600~5650MHz |
| <b>Function</b>                    | <input checked="" type="checkbox"/>                                              | Outdoor P2M         | <input type="checkbox"/>            | Indoor P2M           |
|                                    | <input type="checkbox"/>                                                         | Fixed P2P           | <input type="checkbox"/>            | Client               |
|                                    | <input checked="" type="checkbox"/>                                              | Point-to-multipoint | <input type="checkbox"/>            | Point-to-point       |
| <b>TPC Function</b>                | <input checked="" type="checkbox"/>                                              | With TPC            | <input type="checkbox"/>            | Without TPC          |
| <b>Channel Puncturing Function</b> | <input type="checkbox"/>                                                         | Supported           | <input checked="" type="checkbox"/> | Unsupported          |
| <b>Support RU</b>                  | <input checked="" type="checkbox"/>                                              | Full RU             | <input type="checkbox"/>            | Partial RU           |
| <b>Test Software Version</b>       | QRCT Version 4.0.00192.0                                                         |                     |                                     |                      |

Note: The above information was declared by manufacturer.

**1.1.5 Table for Multiple Listing**

The model names which are identical to each other in all aspects except for the following table:

| <b>EUT</b> | <b>Model Name</b>           | <b>GPS</b> | <b>BT</b> | <b>2.4GHz</b> | <b>5GHz</b>             |
|------------|-----------------------------|------------|-----------|---------------|-------------------------|
| 1          | OAP101-6EXYYYZ<br>(Note 1)  | V          | V         | V             | V<br>(Internal Antenna) |
| 2          | OAP101e-6EXYYYZ<br>(Note 1) | V          | V         | V             | V<br>(External Antenna) |

Note 1: The difference of "XYYYZ" would be marketing strategy X can be symbol "(" or "blank" Y can be "A~Z, a~z, 1~9 or blank and -" Z can be symbol ")" or "blank"

Note 2: The above information was declared by manufacturer.

Note 3: From the above models, model: OAP101e-6E(EUT 2) was selected as representative model for the test and its data was recorded in this report for AC power-line conducted emissions test.

Note 4: From the above models, model: OAP101-6E(EUT 1) and OAP101e-6E(EUT 2) was selected as representative model for the test and its data was recorded in this report for other test items.



## 1.2 Applicable Standards

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

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

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

- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 412172 D01 v01r01
- ♦ FCC KDB 414788 D01 v01r01

## 1.3 Testing Location Information

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

| Test Condition                                                                        | Test Site No. | Test Engineer | Test Environment<br>(°C / %) | Test Date                       |
|---------------------------------------------------------------------------------------|---------------|---------------|------------------------------|---------------------------------|
| RF Conducted                                                                          | TH03-CB       | Kevin Huang   | 23.2-24.6 / 62-74            | Jul. 21, 2023~<br>Aug. 23, 2023 |
| Radiated<br>(Below 1GHz-Mode 1~4)                                                     | 03CH06-CB     | Ederson Huang | 21.2-22.3 / 56-59            | Jul. 11, 2023~<br>Sep. 06, 2023 |
| Radiated<br>(Below 1GHz-Mode 5)                                                       | 03CH06-CB     | Ederson Huang | 21.2-22.3 / 56-59            | Oct. 13, 2023                   |
| Radiated<br>(E.I.R.P. at any elevation angle<br>above 30 degrees) and<br>(Above 1GHz) | 03CH03-CB     | Ederson Huang | 22.4-23.5 / 55-58            | Jul. 11, 2023~<br>Sep. 06, 2023 |
|                                                                                       | 03CH04-CB     | Ederson Huang | 23-24 / 56-59                | Jul. 11, 2023~<br>Sep. 06, 2023 |
| AC Conduction                                                                         | CO01-CB       | Allen Chung   | 22~23 / 55~56                | Jul. 25, 2023                   |



## 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))

| Parameter                            | Uncertainty | Remark                   |
|--------------------------------------|-------------|--------------------------|
| Conducted Emission (150kHz ~ 30MHz)  | 3.4 dB      | Confidence levels of 95% |
| Radiated Emission (9kHz ~ 30MHz)     | 3.7 dB      | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 5.1 dB      | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz)     | 4.1 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)    | 4.2 dB      | Confidence levels of 95% |
| Conducted Emission                   | 3.1 dB      | Confidence levels of 95% |
| Output Power Measurement             | 0.8 dB      | Confidence levels of 95% |
| Power Density Measurement            | 3.1 dB      | Confidence levels of 95% |



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

For EUT 1:

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_Nss1,(6Mbps)_2TX       | -             |
| 5180MHz                        | 23            |
| 5200MHz                        | 22            |
| 5240MHz                        | 23            |
| 5260MHz                        | 17            |
| 5300MHz                        | 16.5          |
| 5320MHz                        | 16.5          |
| 5500MHz                        | 18            |
| 5580MHz                        | 17            |
| 5700MHz                        | 17.5          |
| 5720MHz Straddle 5.47-5.725GHz | 17.5          |
| 5720MHz Straddle 5.725-5.85GHz | 17.5          |
| 5745MHz                        | 26            |
| 5785MHz                        | 26            |
| 5825MHz                        | 26.5          |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -             |
| 5180MHz                        | 22            |
| 5200MHz                        | 22.5          |
| 5240MHz                        | 23.5          |
| 5260MHz                        | 17.5          |
| 5300MHz                        | 17.5          |
| 5320MHz                        | 17            |
| 5500MHz                        | 18.5          |
| 5580MHz                        | 18            |
| 5700MHz                        | 18            |
| 5720MHz Straddle 5.47-5.725GHz | 18.5          |
| 5720MHz Straddle 5.725-5.85GHz | 18.5          |
| 5745MHz                        | 26.5          |
| 5785MHz                        | 26.5          |
| 5825MHz                        | 26.5          |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | -             |
| 5190MHz                        | 20            |
| 5230MHz                        | 23            |
| 5270MHz                        | 19.5          |
| 5310MHz                        | 19.5          |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5510MHz                           | 20.5          |
| 5550MHz                           | 20            |
| 5670MHz                           | 20            |
| 5710MHz Straddle 5.47-5.725GHz    | 20.5          |
| 5710MHz Straddle 5.725-5.85GHz    | 20.5          |
| 5755MHz                           | 26            |
| 5795MHz                           | 25.5          |
| 802.11ax HEW80_Nss1,(MCS0)_2TX    | -             |
| 5210MHz                           | 20            |
| 5290MHz                           | 19.5          |
| 5530MHz                           | 20.5          |
| 5610MHz                           | 20            |
| 5690MHz Straddle 5.47-5.725GHz    | 20            |
| 5690MHz Straddle 5.725-5.85GHz    | 20            |
| 5775MHz                           | 24.5          |
| 802.11ax HEW160_Nss1,(MCS0)_2TX   | -             |
| 5250MHz Straddle 5.15-5.25GHz     | 19.5          |
| 5250MHz Straddle 5.25-5.35GHz     | 19.5          |
| 5570MHz                           | 19.5          |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | -             |
| 5180MHz                           | 20.5          |
| 5200MHz                           | 19.5          |
| 5240MHz                           | 20.5          |
| 5260MHz                           | 17.5          |
| 5300MHz                           | 17            |
| 5320MHz                           | 17            |
| 5500MHz                           | 18.5          |
| 5580MHz                           | 17.5          |
| 5700MHz                           | 18            |
| 5720MHz Straddle 5.47-5.725GHz    | 18.5          |
| 5720MHz Straddle 5.725-5.85GHz    | 18.5          |
| 5745MHz                           | 23.5          |
| 5785MHz                           | 24            |
| 5825MHz                           | 24            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | -             |
| 5190MHz                           | 20            |
| 5230MHz                           | 20            |
| 5270MHz                           | 17            |
| 5310MHz                           | 16.5          |
| 5510MHz                           | 17.5          |



| Mode                               | Power Setting |
|------------------------------------|---------------|
| 5550MHz                            | 17.5          |
| 5670MHz                            | 17.5          |
| 5710MHz Straddle 5.47-5.725GHz     | 18            |
| 5710MHz Straddle 5.725-5.85GHz     | 18            |
| 5755MHz                            | 23.5          |
| 5795MHz                            | 23.5          |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | -             |
| 5210MHz                            | 20            |
| 5290MHz                            | 17            |
| 5530MHz                            | 17.5          |
| 5610MHz                            | 17.5          |
| 5690MHz Straddle 5.47-5.725GHz     | 17.5          |
| 5690MHz Straddle 5.725-5.85GHz     | 17.5          |
| 5775MHz                            | 23.5          |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | -             |
| 5250MHz Straddle 5.15-5.25GHz      | 19            |
| 5250MHz Straddle 5.25-5.35GHz      | 19            |
| 5570MHz                            | 17            |

**For EUT 2:**

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_Nss1,(6Mbps)_2TX       | -             |
| 5180MHz                        | 18.5          |
| 5200MHz                        | 18.5          |
| 5240MHz                        | 18.5          |
| 5260MHz                        | 18.5          |
| 5300MHz                        | 18.5          |
| 5320MHz                        | 18.5          |
| 5500MHz                        | 20            |
| 5580MHz                        | 19            |
| 5700MHz                        | 19.5          |
| 5720MHz Straddle 5.47-5.725GHz | 19.5          |
| 5720MHz Straddle 5.725-5.85GHz | 19.5          |
| 5745MHz                        | 26.5          |
| 5785MHz                        | 27            |
| 5825MHz                        | 27            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -             |
| 5180MHz                        | 18.5          |
| 5200MHz                        | 19            |
| 5240MHz                        | 18.5          |



| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 5260MHz                           | 19.5          |
| 5300MHz                           | 19            |
| 5320MHz                           | 19            |
| 5500MHz                           | 20.5          |
| 5580MHz                           | 20            |
| 5700MHz                           | 20            |
| 5720MHz Straddle 5.47-5.725GHz    | 20.5          |
| 5720MHz Straddle 5.725-5.85GHz    | 20.5          |
| 5745MHz                           | 27            |
| 5785MHz                           | 27            |
| 5825MHz                           | 27            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX    | -             |
| 5190MHz                           | 18.5          |
| 5230MHz                           | 19            |
| 5270MHz                           | 20.5          |
| 5310MHz                           | 20            |
| 5510MHz                           | 20            |
| 5550MHz                           | 21.5          |
| 5670MHz                           | 21            |
| 5710MHz Straddle 5.47-5.725GHz    | 21.5          |
| 5710MHz Straddle 5.725-5.85GHz    | 21.5          |
| 5755MHz                           | 25.5          |
| 5795MHz                           | 26            |
| 802.11ax HEW80_Nss1,(MCS0)_2TX    | -             |
| 5210MHz                           | 17.5          |
| 5290MHz                           | 20            |
| 5530MHz                           | 20            |
| 5610MHz                           | 21            |
| 5690MHz Straddle 5.47-5.725GHz    | 21            |
| 5690MHz Straddle 5.725-5.85GHz    | 21            |
| 5775MHz                           | 24            |
| 802.11ax HEW160_Nss1,(MCS0)_2TX   | -             |
| 5250MHz Straddle 5.15-5.25GHz     | 17            |
| 5250MHz Straddle 5.25-5.35GHz     | 17            |
| 5570MHz                           | 18            |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | -             |
| 5180MHz                           | 15.5          |
| 5200MHz                           | 16            |
| 5240MHz                           | 15.5          |
| 5260MHz                           | 19.5          |



| Mode                               | Power Setting |
|------------------------------------|---------------|
| 5300MHz                            | 19            |
| 5320MHz                            | 19            |
| 5500MHz                            | 20.5          |
| 5580MHz                            | 20            |
| 5700MHz                            | 20            |
| 5720MHz Straddle 5.47-5.725GHz     | 20.5          |
| 5720MHz Straddle 5.725-5.85GHz     | 20.5          |
| 5745MHz                            | 25.5          |
| 5785MHz                            | 25.5          |
| 5825MHz                            | 25.5          |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | -             |
| 5190MHz                            | 15.5          |
| 5230MHz                            | 16            |
| 5270MHz                            | 18.5          |
| 5310MHz                            | 18.5          |
| 5510MHz                            | 20            |
| 5550MHz                            | 19.5          |
| 5670MHz                            | 19            |
| 5710MHz Straddle 5.47-5.725GHz     | 20            |
| 5710MHz Straddle 5.725-5.85GHz     | 20            |
| 5755MHz                            | 25            |
| 5795MHz                            | 25            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | -             |
| 5210MHz                            | 16.5          |
| 5290MHz                            | 18.5          |
| 5530MHz                            | 20            |
| 5610MHz                            | 19            |
| 5690MHz Straddle 5.47-5.725GHz     | 19            |
| 5690MHz Straddle 5.725-5.85GHz     | 19            |
| 5775MHz                            | 24            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | -             |
| 5250MHz Straddle 5.15-5.25GHz      | 16.5          |
| 5250MHz Straddle 5.25-5.35GHz      | 16.5          |
| 5570MHz                            | 18            |

Note1: Evaluated HEW20/HEW40/HEW80/HEW160 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160 mode are the same or lower than HEW20/HEW40/HEW80/HEW160.

Note2: The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

## 2.2 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests                           |                                                                                                      |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <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 (Vout=48VDC) |
| <b>Operating Mode</b>                                                         | Normal Link                                                                                          |
| 1                                                                             | EUT 2 + Power from PoE                                                                               |
| 2                                                                             | EUT 2 + Power from DC power supply (48V)                                                             |
| For operating mode 1 is the worst case and it was record in this test report. |                                                                                                      |

| The Worst Case Mode for Following Conformance Tests |                                                                                            |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | Emission Bandwidth<br>Maximum Output Power<br>Power Spectral Density<br>Unwanted Emissions |
| <b>Test Condition</b>                               | Conducted measurement at transmit chains                                                   |
| <b>Operating Mode</b>                               | 1 EUT 1                                                                                    |
|                                                     | 2 EUT 2                                                                                    |

| The Worst Case Mode for Following Conformance Tests                                                                                         |                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                                                                                                           | E.I.R.P. at any elevation angle above 30 degrees                                                                                                                                                                                                    |
| <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. |
| After evaluating, and the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report. |                                                                                                                                                                                                                                                     |
| <b>Operating Mode</b>                                                                                                                       | 1 EUT 1 in Y axis                                                                                                                                                                                                                                   |
|                                                                                                                                             | 2 EUT 2 in Y axis                                                                                                                                                                                                                                   |

| 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                                                                                                                                                                                                                                                 |
| After evaluating, and the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report. |                                                                                                                                                                                                                                                     |

|                                                                                                                                 |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 1                                                                                                                               | EUT 1 in Y axis + CTX-2.4GHz + Power from PoE                      |
| 2                                                                                                                               | EUT 1 in Y axis + CTX-2.4GHz + Power from DC power supply (48V)    |
| Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 ~ 4 will follow this same test mode. |                                                                    |
| 3                                                                                                                               | EUT 1 in Y axis + CTX-5GHz + Power from DC power supply (48V)      |
| 4                                                                                                                               | EUT 1 in Y axis + CTX-Bluetooth + Power from DC power supply (48V) |
| Mode 3 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 will follow this same test mode.     |                                                                    |
| 5                                                                                                                               | EUT 2 in Y axis + CTX-5GHz + Power from DC power supply (48V)      |
| For operating mode 3 is the worst case and it was record in this test report.                                                   |                                                                    |

|                                                                                                                                             |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Operating Mode &gt; 1GHz</b>                                                                                                             | CTX             |
| After evaluating, and the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report. |                 |
| 1                                                                                                                                           | EUT 1 in Y axis |
| 2                                                                                                                                           | EUT 2 in Y axis |

| The Worst Case Mode for Following Conformance Tests                                |                                                                         |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Tests Item</b>                                                                  | Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation |
| <b>Operating Mode</b>                                                              |                                                                         |
| 1                                                                                  | EUT 1-WLAN 2.4GHz+WLAN 5GHz+Bluetooth                                   |
| 2                                                                                  | EUT 2-WLAN 2.4GHz+WLAN 5GHz+Bluetooth                                   |
| Refer to Sporton Test Report No.: FA361450 for Co-location RF Exposure Evaluation. |                                                                         |

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

PoEs information as below:

| Power | Brand | Model    |
|-------|-------|----------|
| PoE   | CISCO | MA-INJ-4 |

## 2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.



## 2.4 Accessories

| Accessories      |
|------------------|
| DC Jack*1        |
| Sealing Collar*3 |

## 2.5 Support Equipment

For AC Conduction:

| Support Equipment |                   |             |            |            |
|-------------------|-------------------|-------------|------------|------------|
| No.               | Equipment         | Brand Name  | Model Name | FCC ID     |
| A                 | PoE               | CISCO       | MA-INJ-4   | N/A        |
| B                 | Uplink(PoE in) NB | DELL        | E6430      | N/A        |
| C                 | LAN NB            | DELL        | E6430      | N/A        |
| D                 | 2.4G NB           | DELL        | E6430      | N/A        |
| E                 | 5G NB             | DELL        | E6430      | N/A        |
| F                 | Smart phone       | Samsung     | Galaxy J7  | N/A        |
| G                 | GPS Simulator     | WELNAVIGATE | GS-100     | N/A        |
| H                 | 6E Client         | INTEL       | AX210NGW   | PD9AX210NG |
| I                 | 6E NB             | DELL        | E6430      | N/A        |

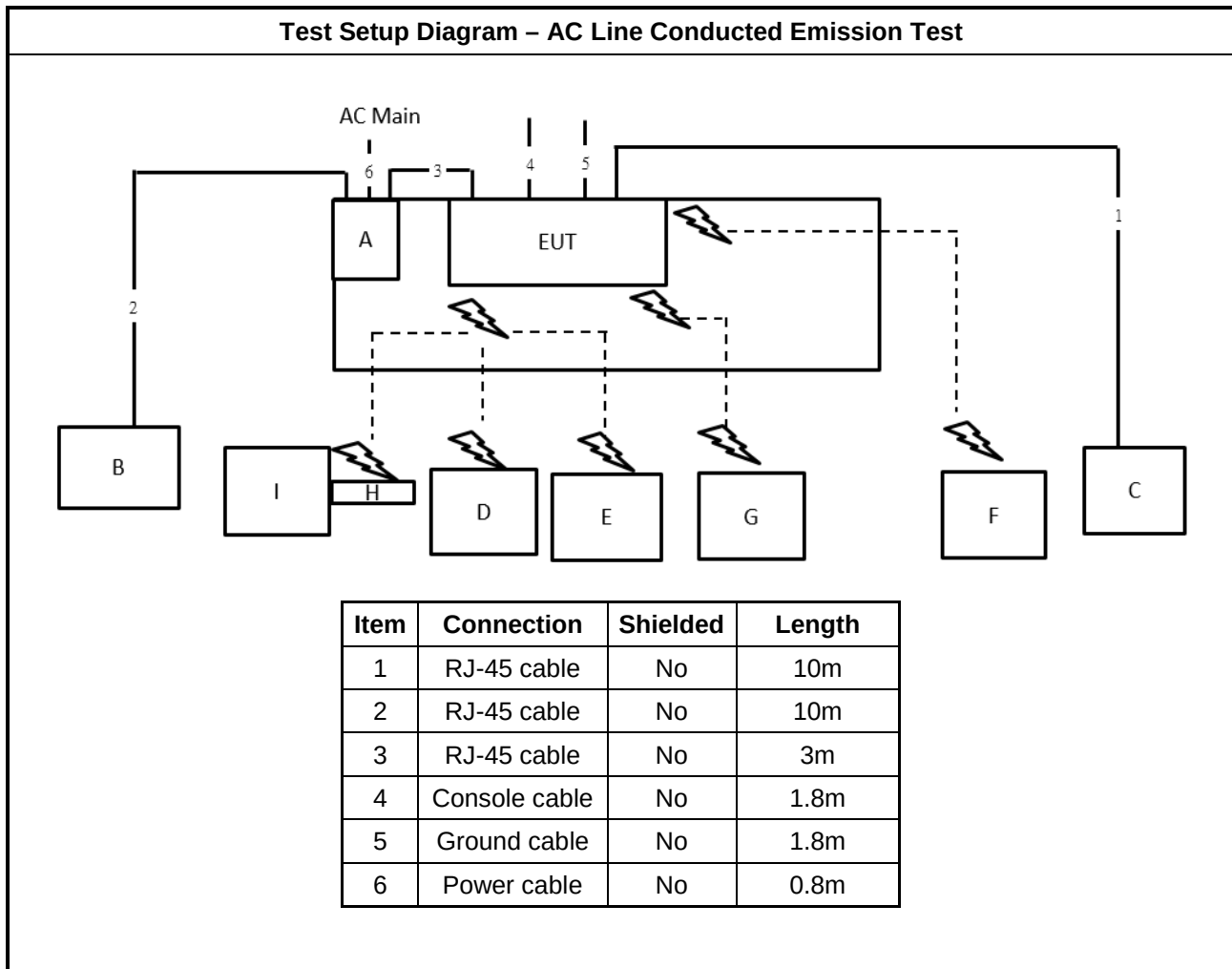
For Radiated (below 1GHz):

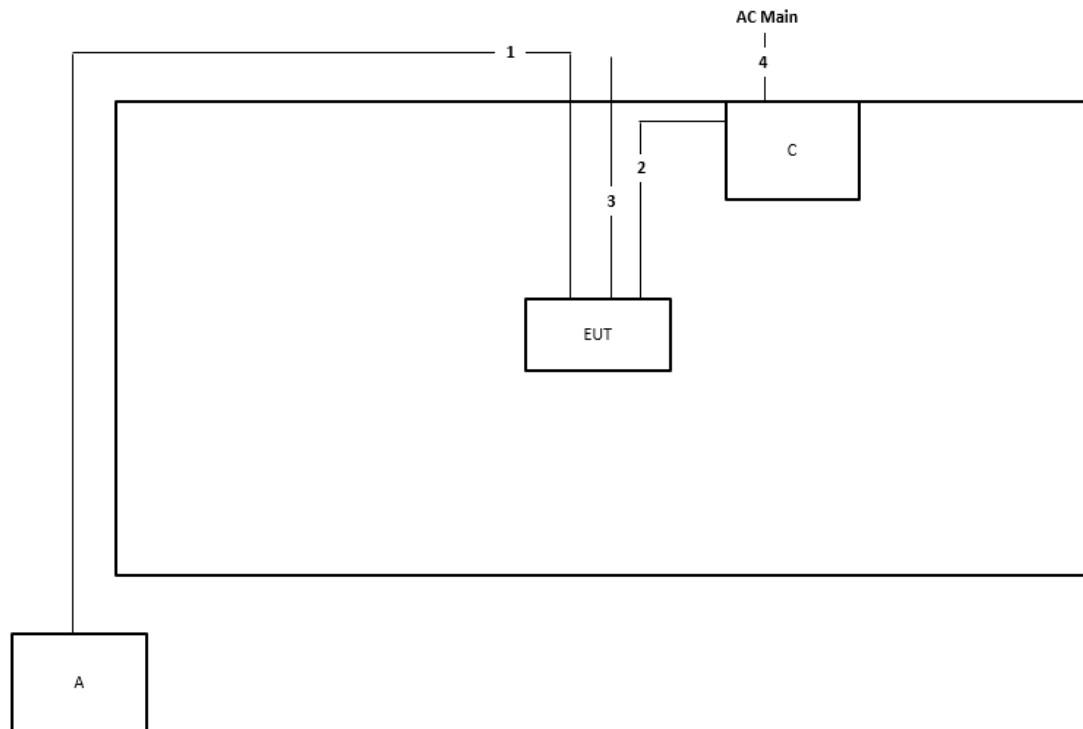
| Support Equipment |                 |            |            |        |
|-------------------|-----------------|------------|------------|--------|
| No.               | Equipment       | Brand Name | Model Name | FCC ID |
| A                 | NB              | DELL       | E4300      | N/A    |
| C                 | DC Power Supply | MOTECH     | LPS-305    | N/A    |

For Radiated (E.I.R.P. at any elevation angle above 30 degrees), (above 1GHz) and RF Conducted:

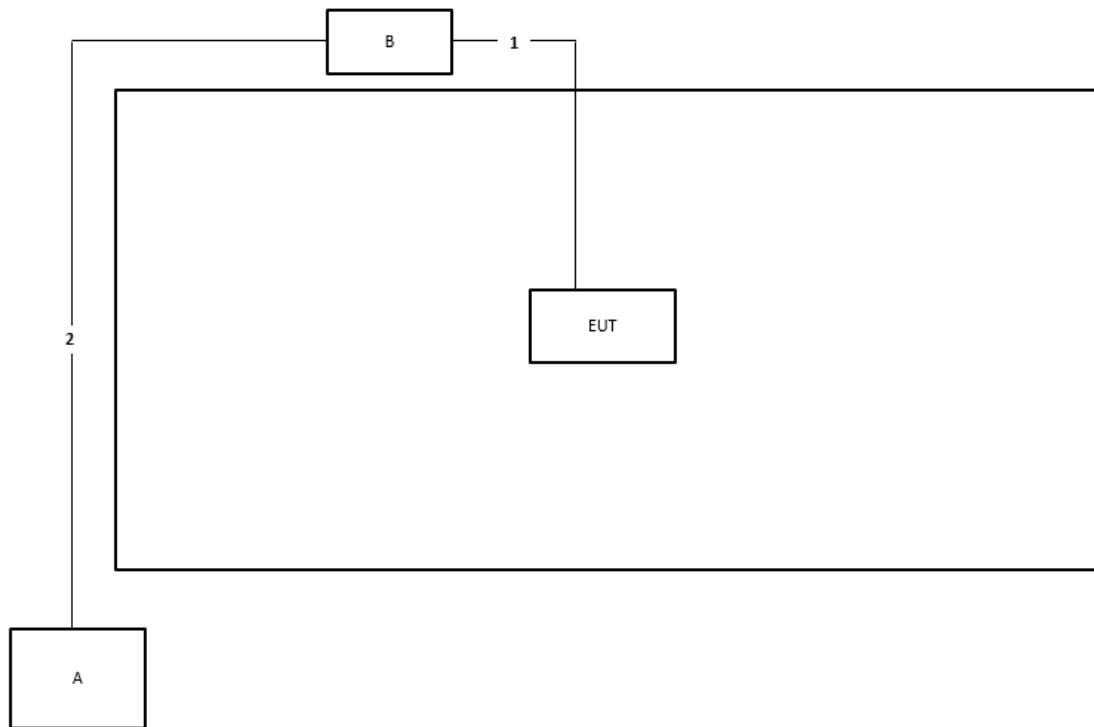
| Support Equipment |           |            |            |        |
|-------------------|-----------|------------|------------|--------|
| No.               | Equipment | Brand Name | Model Name | FCC ID |
| A                 | NB        | DELL       | E4300      | N/A    |
| B                 | PoE       | CISCO      | MA-INJ-4   | N/A    |

## 2.6 Test Setup Diagram



**Test Setup Diagram - Radiated Test < 1GHz**


| Item | Connection           | Shielded | Length |
|------|----------------------|----------|--------|
| 1    | RJ-45 cable          | No       | 10m    |
| 2    | Crocodile clip cable | No       | 1m     |
| 3    | Ground cable         | No       | 1m     |
| 4    | Power cable          | No       | 1.5m   |

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


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



### 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. |            |           |

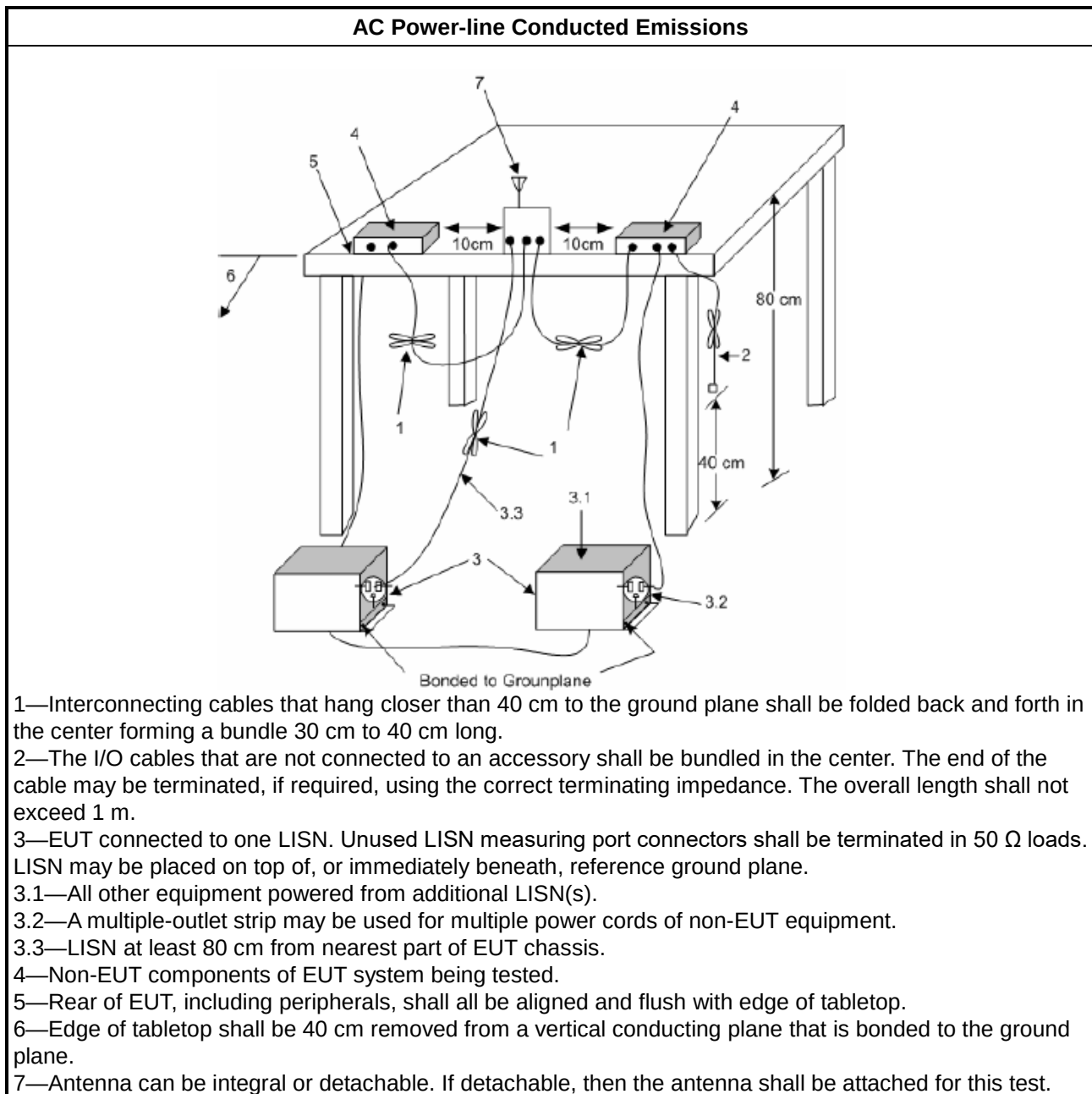
##### 3.1.2 Measuring Instruments

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 Test Setup



### 3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- Margin = -Limit + Level

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

Refer as Appendix A

## 3.2 Emission Bandwidth

### 3.2.1 Emission Bandwidth Limit

| Emission Bandwidth Limit            |                                                                                                                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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, the maximum conducted output power 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.    |
| <input checked="" type="checkbox"/> | For the 5.47-5.725 GHz band, the maximum conducted output power 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.   |
| <input checked="" type="checkbox"/> | For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A.<br>6 dB emission bandwidth $\geq 500\text{kHz}$ .                                                                             |
| <b>LE-LAN Devices</b>               |                                                                                                                                                                                           |
| <input type="checkbox"/>            | For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$ , dBm, whichever power is less. B is the 99% emission bandwidth in MHz.                      |
| <input type="checkbox"/>            | For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$ , dBm, whichever power is less. B is the 99% emission bandwidth in MHz                        |
| <input type="checkbox"/>            | For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$ , dBm, whichever power is less. B is the 99% emission bandwidth in MHz |
| <input type="checkbox"/>            | For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq 500\text{kHz}$ .                                                                                                               |

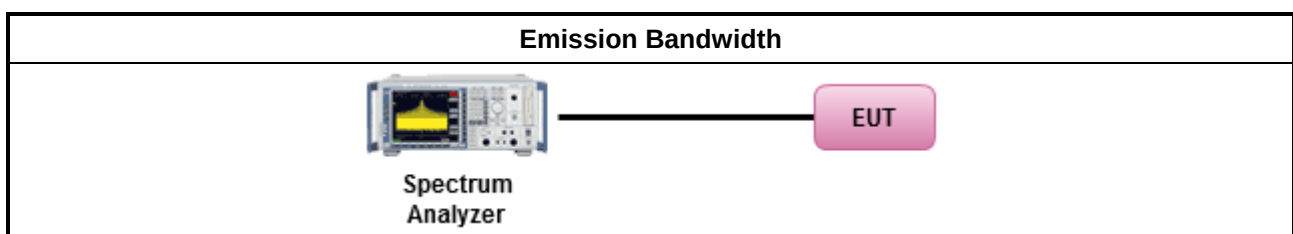
### 3.2.2 Measuring Instruments

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 FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement. |
| <input type="checkbox"/>                                                                                                       | Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.              |
| <input type="checkbox"/>                                                                                                       | Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.                          |

### 3.2.4 Test Setup



### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



### 3.3 Maximum Output Power

#### 3.3.1 Limit

| Maximum Output Power Limit                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UNII Devices</b>                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                | <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 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 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:                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                | <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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>LE-LAN Devices</b>                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/> For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/> For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/> For the 5.725-5.85 GHz band:                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                | <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.

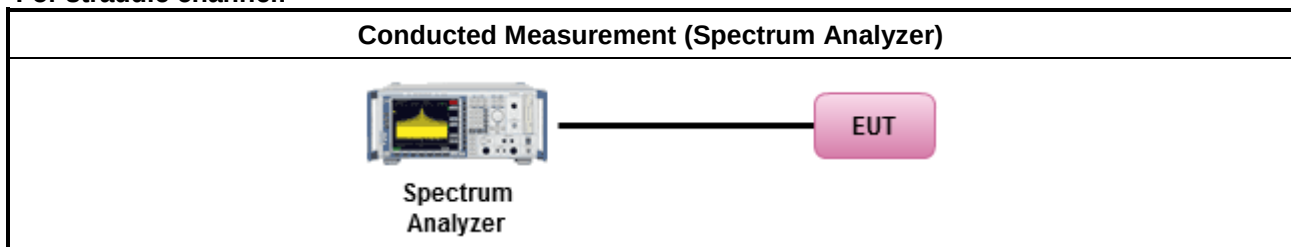
### 3.3.3 Test Procedures

| Test Method                         |                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | Average over on/off periods with duty factor                                                                                                                                                                                                                                                                                                                           |
| <input checked="" type="checkbox"/> | Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).                                                                                                                                                                                                                                                                                          |
| <input type="checkbox"/>            | Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)                                                                                                                                                                                                                                                                           |
|                                     | Wideband RF power meter and average over on/off periods with duty factor                                                                                                                                                                                                                                                                                               |
| <input checked="" type="checkbox"/> | Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).                                                                                                                                                                                                                                                                                   |
| <input checked="" type="checkbox"/> | For conducted measurement. for conducted output power                                                                                                                                                                                                                                                                                                                  |
|                                     | <ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below:<br/>Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.</li> </ul> |
|                                     | <ul style="list-style-type: none"> <li>If multiple transmit chains, EIRP calculation could be following as methods:<br/> <math>P_{total} = P_1 + P_2 + \dots + P_n</math><br/> (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math>EIRP_{total} = P_{total} + DG</math> </li> </ul>                                                             |
| <input checked="" type="checkbox"/> | For radiated measurement. for E.I.R.P. at any elevation angle above 30 degrees                                                                                                                                                                                                                                                                                         |
|                                     | <ul style="list-style-type: none"> <li>Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"</li> <li>Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> <li>Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.</li> </ul>                                                                      |

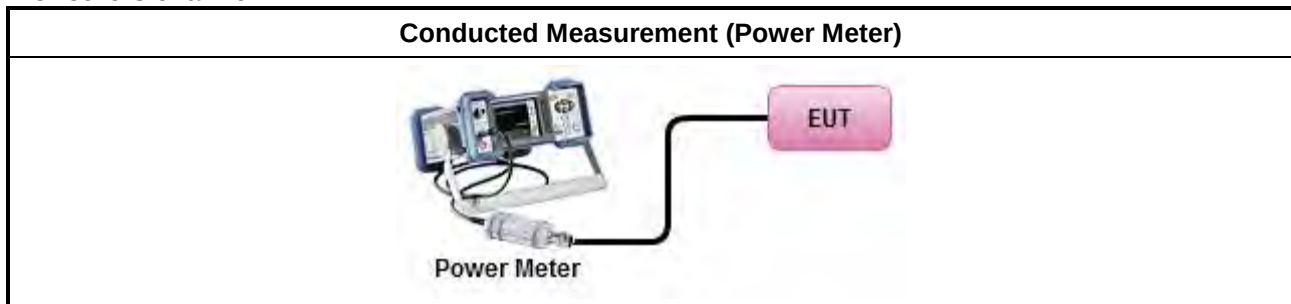
### 3.3.4 Test Setup

For conducted output power:

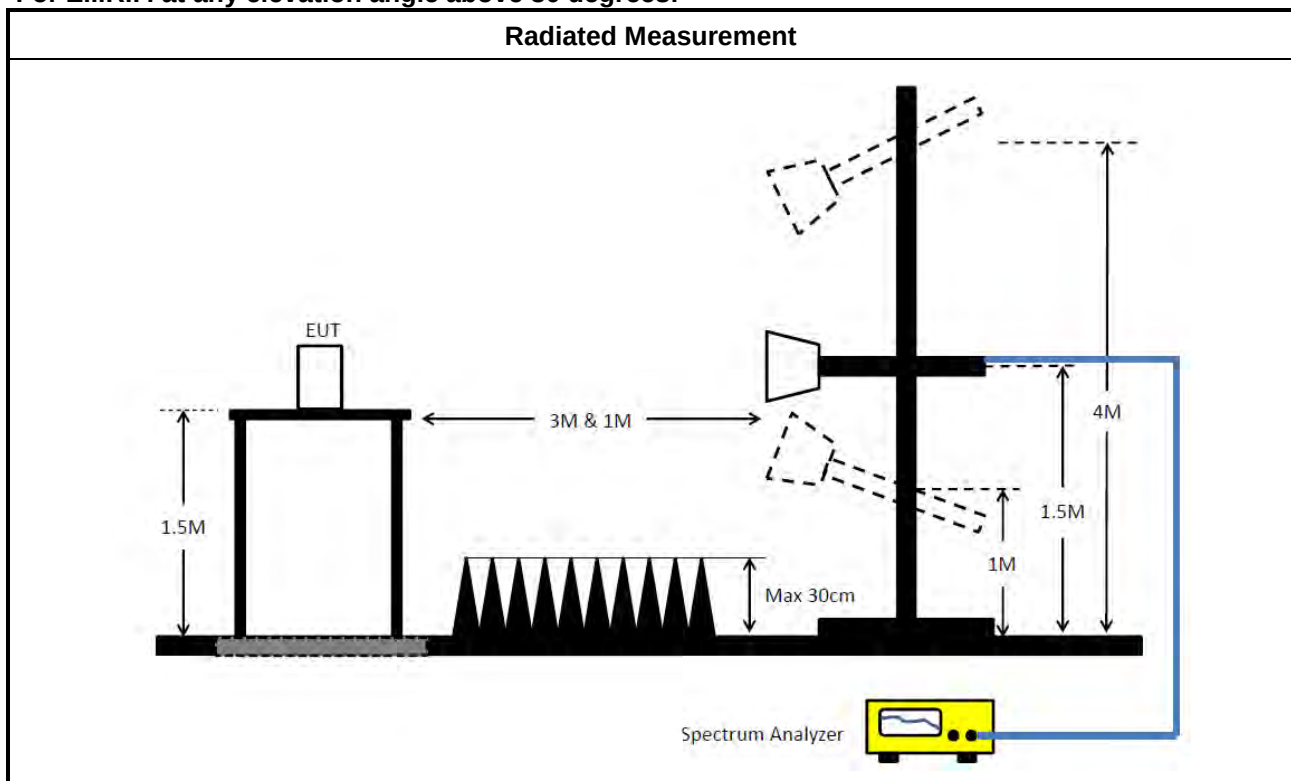
For straddle channel:



For others channel:



For E.I.R.P. at any elevation angle above 30 degrees:



### 3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



### 3.4 Power Spectral Density

#### 3.4.1 Limit

| Peak Power Spectral Density Limit                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UNII Devices</b>                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                        | <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><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><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><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:                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                        | <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><li>Point-to-point systems (P2P): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>LE-LAN Devices</b>                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <input type="checkbox"/> For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) $\leq 10$ dBm/MHz.                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz.                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"><li>e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where <math>\theta</math> is the angle above the local horizontal plane (of the Earth) as shown below:<br/>-13 dBW/MHz for <math>0^\circ \leq \theta &lt; 8^\circ</math> ; -13 - 0.716 (<math>\theta</math>-8) dBW/MHz for <math>8^\circ \leq \theta &lt; 40^\circ</math><br/>-35.9 - 1.22 (<math>\theta</math>-40) dBW/MHz for <math>40^\circ \leq \theta \leq 45^\circ</math> ; -42 dBW/MHz for <math>\theta &gt; 45^\circ</math></li></ul>                                                                                                                                                                                                                          |
| <input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz.                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <input type="checkbox"/> For the 5.725-5.85 GHz band:                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                        | <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><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 he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz<br><b>G<sub>TX</sub></b> = the maximum transmitting antenna directional gain in dBi. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



### 3.4.2 Measuring Instruments

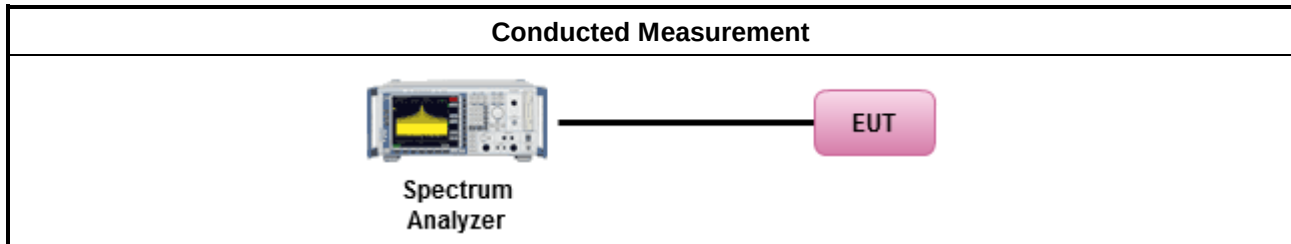
Refer a test equipment and calibration data table in this test report.

### 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 FCC KDB 789033 D02, F5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| [duty cycle ≥ 98% or external video / power trigger]                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                           | Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                      | Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| duty cycle < 98% and average over on/off periods with duty factor                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                           | Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                      | Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <input checked="" type="checkbox"/> For conducted measurement.                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"><li>If the EUT supports multiple transmit chains using options given below:</li></ul>                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                           | Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace. |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                      | Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,                                                                                                                                                                                                         |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                      | Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.                                                                                                                                                                                                                                                                                                                  |
| <ul style="list-style-type: none"><li>If multiple transmit chains, EIRP PPSD calculation could be following as methods:<br/><math display="block">PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n</math><br/>(calculated in linear unit [mW] and transfer to log unit [dBm])<br/><math display="block">EIRP_{total} = PPSD_{total} + DG</math></li></ul>                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|                          |                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | For radiated measurement.                                                                    |
| <input type="checkbox"/> | Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" |
| <input type="checkbox"/> | Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.                          |
| <input type="checkbox"/> | Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.                                 |

### 3.4.4 Test Setup



### 3.4.5 Test Result of Power Spectral Density

Refer as Appendix D



### 3.5 Unwanted Emissions

#### 3.5.1 Transmitter Unwanted Emissions Limit

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

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

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

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

| Un-restricted band emissions above 1GHz Limit        |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Band                                       | Limit                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <input checked="" type="checkbox"/> 5.15 - 5.25 GHz  | e.i.r.p. -27 dBm [68.2 dBuV/m@3m]                                                                                                                                                                                                                                                                                                                                                                                               |
| <input checked="" type="checkbox"/> 5.25 - 5.35 GHz  | e.i.r.p. -27 dBm [68.2 dBuV/m@3m]                                                                                                                                                                                                                                                                                                                                                                                               |
| <input checked="" type="checkbox"/> 5.47 - 5.725 GHz | e.i.r.p. -27 dBm [68.2 dBuV/m@3m]                                                                                                                                                                                                                                                                                                                                                                                               |
| <input checked="" type="checkbox"/> 5.725 - 5.85 GHz | all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. |

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).



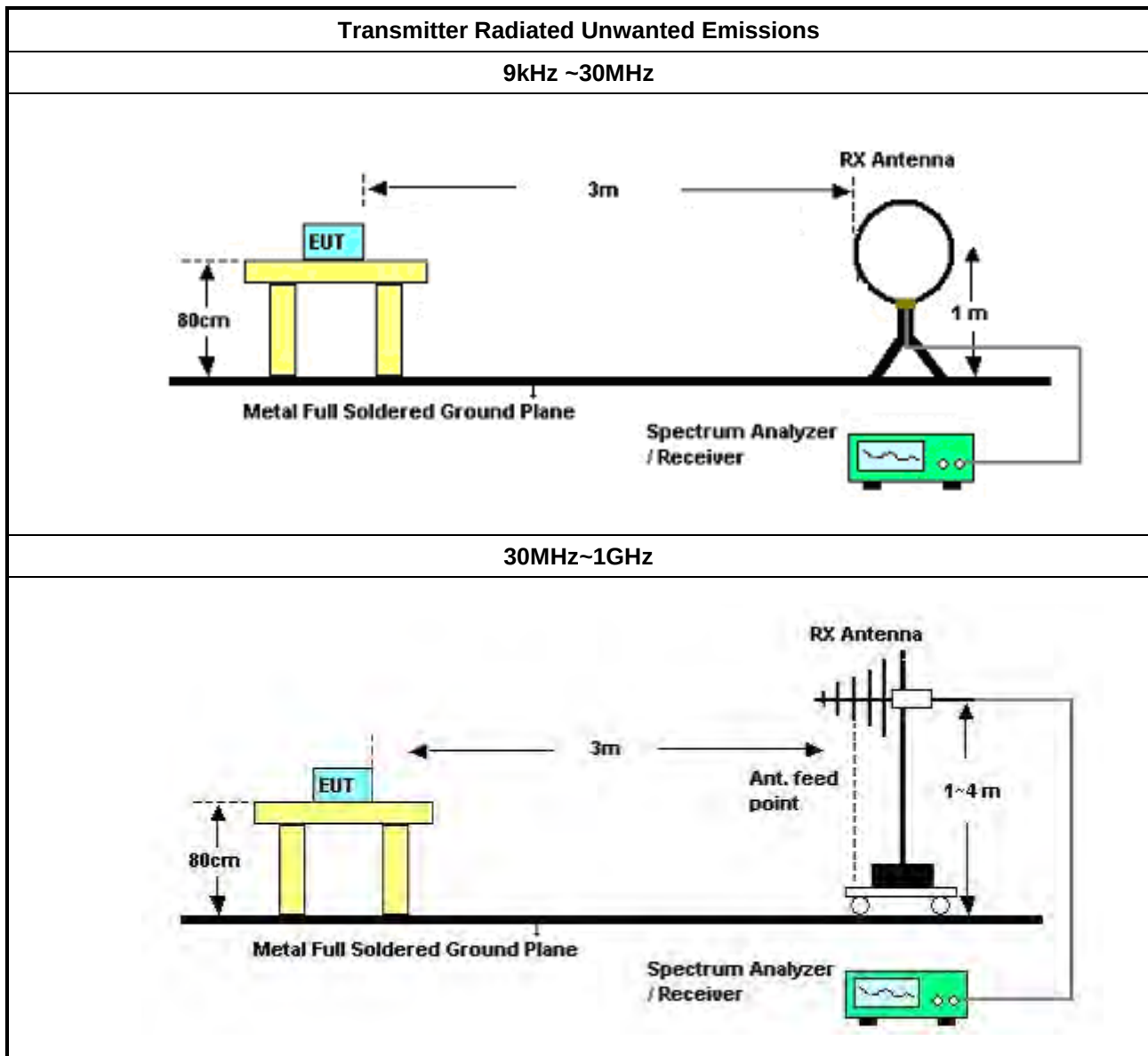
### 3.5.2 Measuring Instruments

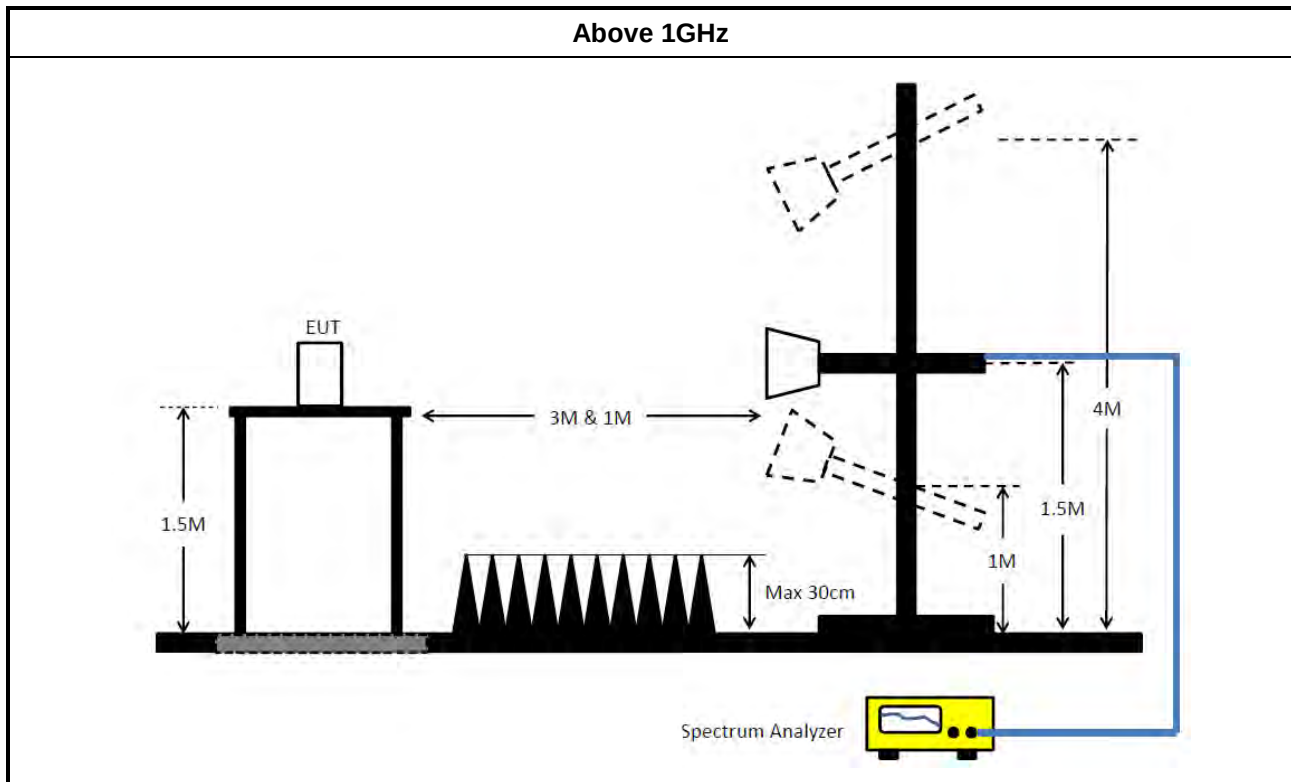
Refer a test equipment and calibration data table in this test report.

### 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 FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.</li></ul>       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.</li></ul>           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.                                                |
| <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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                  |

### 3.5.4 Test Setup





### 3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

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

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

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

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

### 3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



## 4 Test Equipment and Calibration Data

| Instrument                         | Brand           | Model No.         | Serial No.       | Characteristics | Calibration Date | Calibration Due Date | Remark                |
|------------------------------------|-----------------|-------------------|------------------|-----------------|------------------|----------------------|-----------------------|
| EMI Receiver                       | Agilent         | N9038A            | My52260123       | 9kHz ~ 8.4GHz   | Feb. 20, 2023    | Feb. 19, 2024        | Conduction (CO01-CB)  |
| LISN                               | F.C.C.          | FCC-LISN-50-16-2  | 04083            | 150kHz ~ 100MHz | Feb. 16, 2023    | Feb. 15, 2024        | Conduction (CO01-CB)  |
| LISN                               | Schwarzbeck     | NSLK 8127         | 8127647          | 9kHz ~ 30MHz    | Apr. 27, 2023    | Apr. 26, 2024        | Conduction (CO01-CB)  |
| Pulse Limiter                      | Rohde & Schwarz | ESH3-Z2           | 100430           | 9kHz ~ 30MHz    | Feb. 09, 2023    | Feb. 08, 2024        | Conduction (CO01-CB)  |
| COND Cable                         | Woken           | Cable             | Low cable-CO01   | 9kHz ~ 30MHz    | Oct. 18, 2022    | Oct. 17, 2023        | Conduction (CO01-CB)  |
| Software                           | SPORTON         | SENSE             | V5.10            | -               | N.C.R.           | N.C.R.               | Conduction (CO01-CB)  |
| Loop Antenna                       | Teseq           | HLA 6120          | 31244            | 9kHz - 30 MHz   | Mar. 23, 2023    | Mar. 22, 2024        | Radiation (03CH06-CB) |
| 3m Semi Anechoic Chamber NSA       | TDK             | SAC-3M            | 03CH06-CB        | 30 MHz ~ 1 GHz  | Aug. 04, 2022    | Aug. 03, 2023        | Radiation (03CH06-CB) |
| 3m Semi Anechoic Chamber NSA       | TDK             | SAC-3M            | 03CH06-CB        | 30 MHz ~ 1 GHz  | Aug. 03, 2023    | Aug. 02, 2024        | Radiation (03CH06-CB) |
| Bilog Antenna with 6 dB attenuator | TESEQ & EMCI    | CBL6112D & N-6-06 | 37878 & AT-N0606 | 20MHz ~ 2GHz    | Jul. 31, 2022    | Jul. 30, 2023        | Radiation (03CH06-CB) |
| Bilog Antenna with 6 dB attenuator | TESEQ & EMCI    | CBL6112D & N-6-06 | 37878 & AT-N0606 | 20MHz ~ 2GHz    | Jul. 30, 2023    | Jul. 29, 2024        | Radiation (03CH06-CB) |
| Pre-Amplifier                      | Agilent         | 310N              | 187290           | 0.1MHz ~ 1GHz   | Nov. 04, 2022    | Nov. 03, 2023        | Radiation (03CH06-CB) |
| Spectrum analyzer                  | R&S             | FSP40             | 100080           | 9kHz~40GHz      | Dec. 21, 2022    | Dec. 20, 2023        | Radiation (03CH06-CB) |
| EMI Test Receiver                  | R&S             | ESCS              | 826547/017       | 9kHz ~ 2.75GHz  | Jun. 13, 2023    | Jun. 12, 2024        | Radiation (03CH06-CB) |
| RF Cable-low                       | Woken           | RG402             | Low Cable-24+68  | 30MHz~1GHz      | Oct. 03, 2022    | Oct. 02, 2023        | Radiation (03CH06-CB) |
| RF Cable-low                       | Woken           | RG402             | Low Cable-24+68  | 30MHz~1GHz      | Oct. 02, 2023    | Oct. 01, 2024        | Radiation (03CH06-CB) |
| Test Software                      | SPORTON         | SENSE             | V5.10            | -               | N.C.R.           | N.C.R.               | Radiation (03CH06-CB) |
| 3m Semi Anechoic Chamber VSWR      | TDK             | SAC-3M            | 03CH03-CB        | 1GHz ~18GHz 3m  | May 04, 2023     | May 03, 2024         | Radiation (03CH03-CB) |
| Horn Antenna                       | ETS-Lindgren    | 3115              | 6821             | 750MHz~18GHz    | Feb. 03, 2023    | Feb. 02, 2024        | Radiation (03CH03-CB) |



| Instrument                    | Brand        | Model No. | Serial No.       | Characteristics  | Calibration Date | Calibration Due Date | Remark                |
|-------------------------------|--------------|-----------|------------------|------------------|------------------|----------------------|-----------------------|
| Horn Antenna                  | SCHWARZBECK  | BBHA 9170 | BBHA9170507      | 15GHz ~ 40GHz    | Jun. 28, 2023    | Jun. 27, 2024        | Radiation (03CH03-CB) |
| Pre-Amplifier                 | Agilent      | 8449B     | 3008A02097       | 1GHz ~ 26.5GHz   | Jun. 30, 2023    | Jun. 29, 2024        | Radiation (03CH03-CB) |
| Pre-Amplifier                 | SGH          | SGH184    | 20221107-3       | 18GHz ~ 40GHz    | Nov. 16, 2022    | Nov. 15, 2023        | Radiation (03CH03-CB) |
| Spectrum Analyzer             | R&S          | FSP40     | 100019           | 9kHz ~ 40GHz     | Jun. 12, 2023    | Jun. 11, 2024        | Radiation (03CH03-CB) |
| RF Cable-high                 | Woken        | RG402     | High Cable-20+29 | 1GHz ~ 18GHz     | Oct. 03, 2022    | Oct. 02, 2023        | Radiation (03CH03-CB) |
| RF Cable-high                 | Woken        | RG402     | High Cable-29    | 1GHz ~ 18GHz     | Oct. 03, 2022    | Oct. 02, 2023        | Radiation (03CH03-CB) |
| High Cable                    | Woken        | WCA0929M  | 40G#5+6          | 1GHz ~ 40 GHz    | Dec. 07, 2022    | Dec. 06, 2023        | Radiation (03CH03-CB) |
| High Cable                    | Woken        | WCA0929M  | 40G#5            | 1GHz ~ 40 GHz    | Dec. 07, 2022    | Dec. 06, 2023        | Radiation (03CH03-CB) |
| High Cable                    | Woken        | WCA0929M  | 40G#6            | 1GHz ~ 40 GHz    | Dec. 07, 2022    | Dec. 06, 2023        | Radiation (03CH03-CB) |
| Test Software                 | SPORTON      | SENSE     | V5.10            | -                | N.C.R.           | N.C.R.               | Radiation (03CH03-CB) |
| 3m Semi Anechoic Chamber VSWR | TDK          | SAC-3M    | 03CH04-CB        | 1GHz ~18GHz 3m   | Feb. 23, 2023    | Feb. 22, 2024        | Radiation (03CH04-CB) |
| Horn Antenna                  | ETS-Lindgren | 3115      | 00143147         | 750MHz~18GHz     | Oct. 12, 2022    | Oct. 11, 2023        | Radiation (03CH04-CB) |
| Horn Antenna                  | SCHWARZBECK  | BBHA 9170 | BBHA9170507      | 15GHz ~ 40GHz    | Jun. 28, 2023    | Jun. 27, 2024        | Radiation (03CH04-CB) |
| Pre-Amplifier                 | Agilent      | 83017A    | MY53270063       | 0.5GHz ~ 26.5GHz | Jun. 30, 2023    | Jun. 29, 2024        | Radiation (03CH04-CB) |
| Pre-Amplifier                 | SGH          | SGH184    | 20221107-3       | 18GHz ~ 40GHz    | Nov. 16, 2022    | Nov. 15, 2023        | Radiation (03CH04-CB) |
| Spectrum Analyzer             | R&S          | FSP40     | 100142           | 9kHz~40GHz       | Mar. 21, 2023    | Mar. 20, 2024        | Radiation (03CH04-CB) |
| RF Cable-high                 | Woken        | RG402     | High Cable-21    | 1GHz - 18GHz     | Oct. 03, 2022    | Oct. 02, 2023        | Radiation (03CH04-CB) |
| RF Cable-high                 | Woken        | RG402     | High Cable-21+67 | 1GHz - 18GHz     | Oct. 03, 2022    | Oct. 02, 2023        | Radiation (03CH04-CB) |
| High Cable                    | Woken        | WCA0929M  | 40G#5+6          | 1GHz ~ 40 GHz    | Dec. 07, 2022    | Dec. 06, 2023        | Radiation (03CH04-CB) |
| High Cable                    | Woken        | WCA0929M  | 40G#5            | 1GHz ~ 40 GHz    | Dec. 07, 2022    | Dec. 06, 2023        | Radiation (03CH04-CB) |
| High Cable                    | Woken        | WCA0929M  | 40G#6            | 1GHz ~ 40 GHz    | Dec. 07, 2022    | Dec. 06, 2023        | Radiation (03CH04-CB) |
| Test Software                 | SPORTON      | SENSE     | V5.10            | -                | N.C.R.           | N.C.R.               | Radiation (03CH04-CB) |



| Instrument        | Brand   | Model No. | Serial No.    | Characteristics | Calibration Date | Calibration Due Date | Remark              |
|-------------------|---------|-----------|---------------|-----------------|------------------|----------------------|---------------------|
| Spectrum analyzer | R&S     | FSV40     | 101028        | 9kHz~40GHz      | Dec. 30, 2022    | Dec. 29, 2023        | Conducted (TH03-CB) |
| Power Sensor      | Anritsu | MA2411B   | 1726195       | 300MHz~40GHz    | Sep. 04, 2022    | Sep. 03, 2023        | Conducted (TH03-CB) |
| Power Meter       | Anritsu | ML2495A   | 1035008       | 300MHz~40GHz    | Sep. 04, 2022    | Sep. 03, 2023        | Conducted (TH03-CB) |
| RF Cable          | Woken   | RG402     | High Cable-11 | 30MHz ~18 GHz   | Feb. 14, 2023    | Feb. 13, 2024        | Conducted (TH03-CB) |
| RF Cable          | Woken   | RG402     | High Cable-12 | 30MHz ~18 GHz   | Feb. 14, 2023    | Feb. 13, 2024        | Conducted (TH03-CB) |
| RF Cable          | Woken   | RG402     | High Cable-13 | 30MHz ~18 GHz   | Feb. 14, 2023    | Feb. 13, 2024        | Conducted (TH03-CB) |
| RF Cable-high     | Woken   | RG402     | High Cable-14 | 1 GHz ~18 GHz   | Oct. 03, 2022    | Oct. 02, 2023        | Conducted (TH03-CB) |
| RF Cable-high     | Woken   | RG402     | High Cable-15 | 1 GHz ~18 GHz   | Oct. 03, 2022    | Oct. 02, 2023        | Conducted (TH03-CB) |
| Switch            | SPTCB   | SP-SWI    | SWI-03        | 1 GHz ~26.5 GHz | Oct. 04, 2022    | Oct. 03, 2023        | Conducted (TH03-CB) |
| Test Software     | SPORTON | SENSE     | V5.10         | -               | N.C.R.           | N.C.R.               | Conducted (TH03-CB) |

Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.



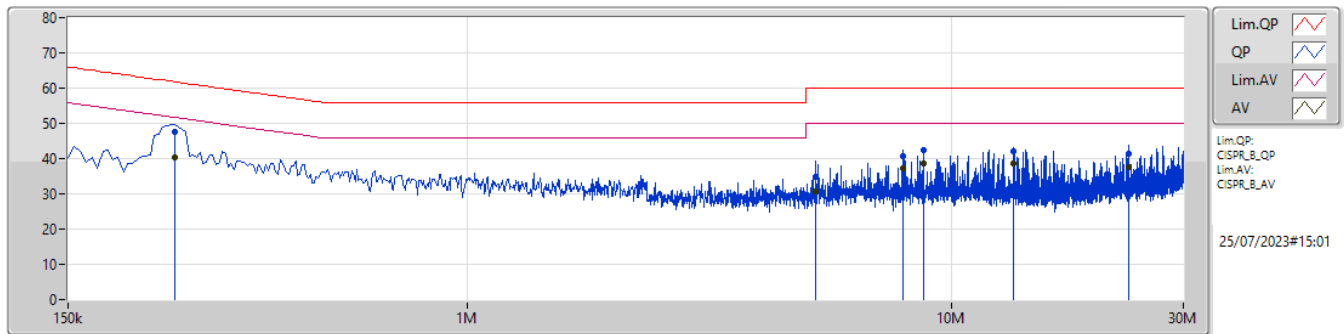
## Conducted Emissions at Powerline

## Appendix A

### Summary

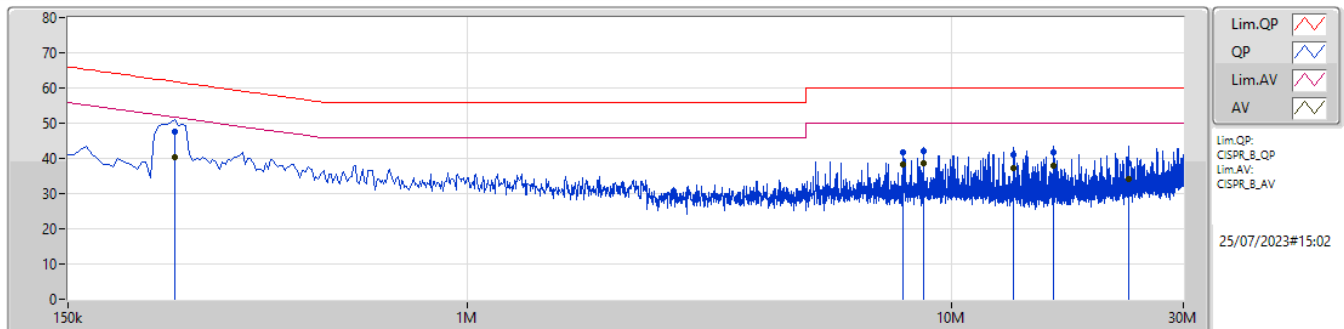
| Mode   | Result | Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Condition |
|--------|--------|------|--------------|-----------------|-----------------|----------------|-----------|
| Mode 1 | Pass   | AV   | 249k         | 40.50           | 51.79           | -11.29         | Line      |

### 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   | 249k         | 47.56           | 61.79           | -14.23         | 10.00          | Line      | -       | 37.56         | 0.08         | 0.05       | 9.87       |  |  |  |  |  |  |
| AV   | 249k         | 40.50           | 51.79           | -11.29         | 10.00          | Line      | "Worst" | 30.50         | 0.08         | 0.05       | 9.87       |  |  |  |  |  |  |
| QP   | 5.24M        | 34.79           | 60.00           | -25.21         | 10.23          | Line      | -       | 24.56         | 0.19         | 0.12       | 9.92       |  |  |  |  |  |  |
| AV   | 5.24M        | 30.58           | 50.00           | -19.42         | 10.23          | Line      | -       | 20.35         | 0.19         | 0.12       | 9.92       |  |  |  |  |  |  |
| QP   | 7.926M       | 40.77           | 60.00           | -19.23         | 10.30          | Line      | -       | 30.47         | 0.23         | 0.14       | 9.93       |  |  |  |  |  |  |
| AV   | 7.926M       | 37.15           | 50.00           | -12.85         | 10.30          | Line      | -       | 26.85         | 0.23         | 0.14       | 9.93       |  |  |  |  |  |  |
| QP   | 8.718M       | 42.30           | 60.00           | -17.70         | 10.33          | Line      | -       | 31.97         | 0.24         | 0.15       | 9.94       |  |  |  |  |  |  |
| AV   | 8.718M       | 38.45           | 50.00           | -11.55         | 10.33          | Line      | -       | 28.12         | 0.24         | 0.15       | 9.94       |  |  |  |  |  |  |
| QP   | 13.421M      | 41.98           | 60.00           | -18.02         | 10.41          | Line      | -       | 31.57         | 0.27         | 0.17       | 9.97       |  |  |  |  |  |  |
| AV   | 13.421M      | 38.56           | 50.00           | -11.44         | 10.41          | Line      | -       | 28.15         | 0.27         | 0.17       | 9.97       |  |  |  |  |  |  |
| QP   | 23.132M      | 41.52           | 60.00           | -18.48         | 10.61          | Line      | -       | 30.91         | 0.31         | 0.26       | 10.04      |  |  |  |  |  |  |
| AV   | 23.132M      | 37.52           | 50.00           | -12.48         | 10.61          | Line      | -       | 26.91         | 0.31         | 0.26       | 10.04      |  |  |  |  |  |  |

### 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   | 249k         | 47.49           | 61.79           | -14.30         | 9.99           | Neutral   | -       | 37.50         | 0.07         | 0.05       | 9.87       |  |  |  |  |  |  |
| AV   | 249k         | 40.45           | 51.79           | -11.34         | 9.99           | Neutral   | "Worst" | 30.46         | 0.07         | 0.05       | 9.87       |  |  |  |  |  |  |
| QP   | 7.922M       | 41.69           | 60.00           | -18.31         | 10.27          | Neutral   | -       | 31.42         | 0.20         | 0.14       | 9.93       |  |  |  |  |  |  |
| AV   | 7.922M       | 38.44           | 50.00           | -11.56         | 10.27          | Neutral   | -       | 28.17         | 0.20         | 0.14       | 9.93       |  |  |  |  |  |  |
| QP   | 8.718M       | 41.95           | 60.00           | -18.05         | 10.30          | Neutral   | -       | 31.65         | 0.21         | 0.15       | 9.94       |  |  |  |  |  |  |
| AV   | 8.718M       | 38.48           | 50.00           | -11.52         | 10.30          | Neutral   | -       | 28.18         | 0.21         | 0.15       | 9.94       |  |  |  |  |  |  |
| QP   | 13.421M      | 41.00           | 60.00           | -19.00         | 10.39          | Neutral   | -       | 30.61         | 0.25         | 0.17       | 9.97       |  |  |  |  |  |  |
| AV   | 13.421M      | 37.20           | 50.00           | -12.80         | 10.39          | Neutral   | -       | 26.81         | 0.25         | 0.17       | 9.97       |  |  |  |  |  |  |
| QP   | 16.229M      | 41.78           | 60.00           | -18.22         | 10.43          | Neutral   | -       | 31.35         | 0.26         | 0.18       | 9.99       |  |  |  |  |  |  |
| AV   | 16.229M      | 37.97           | 50.00           | -12.03         | 10.43          | Neutral   | -       | 27.54         | 0.26         | 0.18       | 9.99       |  |  |  |  |  |  |
| QP   | 23.132M      | 38.45           | 60.00           | -21.55         | 10.63          | Neutral   | -       | 27.82         | 0.33         | 0.26       | 10.04      |  |  |  |  |  |  |
| AV   | 23.132M      | 34.14           | 50.00           | -15.86         | 10.63          | Neutral   | -       | 23.51         | 0.33         | 0.26       | 10.04      |  |  |  |  |  |  |

**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        | 20.405M          | 16.406M         | 16M4D1D  | 18.645M          | 16.313M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 21.01M           | 18.926M         | 18M9D1D  | 20.295M          | 18.784M         |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 39.71M           | 37.7M           | 37M7D1D  | 39.38M           | 37.499M         |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 81.18M           | 77.6M           | 77M6D1D  | 80.52M           | 76.796M         |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | 81.76M           | 77.407M         | 77M4D1D  | 80.16M           | 77.057M         |
| 5.25-5.35GHz                    | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 19.855M          | 16.416M         | 16M4D1D  | 18.645M          | 16.324M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 21.285M          | 18.936M         | 18M9D1D  | 20.13M           | 18.783M         |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 39.6M            | 37.886M         | 37M9D1D  | 39.16M           | 37.47M          |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 80.3M            | 77.32M          | 77M3D1D  | 80.08M           | 76.489M         |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | 80M              | 77.516M         | 77M5D1D  | 80M              | 77.182M         |
| 5.47-5.725GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 19.415M          | 16.397M         | 16M4D1D  | 14.895M          | 13.132M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 21.23M           | 18.905M         | 18M9D1D  | 15.195M          | 14.363M         |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 39.71M           | 37.69M          | 37M7D1D  | 34.44M           | 33.604M         |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 80.96M           | 77.083M         | 77M1D1D  | 75.15M           | 72.953M         |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | 162.36M          | 156.06M         | 156MD1D  | 161.92M          | 155.345M        |
| 5.725-5.85GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 16.39M           | 29.821M         | 29M8D1D  | 3.18M            | 3.486M          |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 19.085M          | 32.286M         | 32M3D1D  | 4.52M            | 4.536M          |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 38.06M           | 42.482M         | 42M5D1D  | 3.38M            | 4.088M          |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 78.32M           | 77.113M         | 77M1D1D  | 4.06M            | 4.1M            |

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

**Result**

| Mode                            | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) |
|---------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -          | -                | -               | -                | -               |
| 5180MHz                         | Pass   | Inf        | 19.745M          | 16.331M         | 19.25M           | 16.406M         |
| 5200MHz                         | Pass   | Inf        | 18.645M          | 16.313M         | 20.185M          | 16.398M         |
| 5240MHz                         | Pass   | Inf        | 18.81M           | 16.338M         | 20.405M          | 16.377M         |
| 5260MHz                         | Pass   | Inf        | 19.36M           | 16.324M         | 19.855M          | 16.386M         |
| 5300MHz                         | Pass   | Inf        | 18.755M          | 16.357M         | 19.03M           | 16.416M         |
| 5320MHz                         | Pass   | Inf        | 18.645M          | 16.359M         | 19.47M           | 16.358M         |
| 5500MHz                         | Pass   | Inf        | 18.315M          | 16.317M         | 19.415M          | 16.397M         |
| 5580MHz                         | Pass   | Inf        | 19.25M           | 16.347M         | 18.755M          | 16.347M         |
| 5700MHz                         | Pass   | Inf        | 19.415M          | 16.387M         | 19.03M           | 16.379M         |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf        | 15.225M          | 13.152M         | 14.895M          | 13.132M         |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k       | 3.18M            | 3.532M          | 3.18M            | 3.486M          |
| 5745MHz                         | Pass   | 500k       | 15.015M          | 16.479M         | 16.39M           | 17.232M         |
| 5785MHz                         | Pass   | 500k       | 15.29M           | 16.52M          | 16.39M           | 19.936M         |
| 5825MHz                         | Pass   | 500k       | 16.335M          | 17.491M         | 15.675M          | 29.821M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | -      | -          | -                | -               | -                | -               |
| 5180MHz                         | Pass   | Inf        | 20.35M           | 18.915M         | 20.405M          | 18.818M         |
| 5200MHz                         | Pass   | Inf        | 20.295M          | 18.784M         | 20.735M          | 18.926M         |
| 5240MHz                         | Pass   | Inf        | 21.01M           | 18.845M         | 20.515M          | 18.867M         |
| 5260MHz                         | Pass   | Inf        | 21.285M          | 18.911M         | 20.955M          | 18.859M         |
| 5300MHz                         | Pass   | Inf        | 20.13M           | 18.86M          | 20.46M           | 18.783M         |
| 5320MHz                         | Pass   | Inf        | 21.23M           | 18.936M         | 20.13M           | 18.849M         |
| 5500MHz                         | Pass   | Inf        | 20.68M           | 18.867M         | 21.23M           | 18.892M         |
| 5580MHz                         | Pass   | Inf        | 20.075M          | 18.856M         | 19.91M           | 18.905M         |
| 5700MHz                         | Pass   | Inf        | 20.735M          | 18.866M         | 20.515M          | 18.88M          |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf        | 15.195M          | 14.425M         | 15.42M           | 14.363M         |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k       | 4.52M            | 4.536M          | 4.52M            | 4.538M          |
| 5745MHz                         | Pass   | 500k       | 18.975M          | 19.053M         | 18.975M          | 19.911M         |
| 5785MHz                         | Pass   | 500k       | 19.085M          | 19.03M          | 18.975M          | 23.881M         |
| 5825MHz                         | Pass   | 500k       | 19.03M           | 19.062M         | 18.975M          | 32.286M         |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | -      | -          | -                | -               | -                | -               |
| 5190MHz                         | Pass   | Inf        | 39.71M           | 37.658M         | 39.6M            | 37.633M         |
| 5230MHz                         | Pass   | Inf        | 39.38M           | 37.7M           | 39.49M           | 37.499M         |
| 5270MHz                         | Pass   | Inf        | 39.6M            | 37.585M         | 39.38M           | 37.581M         |
| 5310MHz                         | Pass   | Inf        | 39.16M           | 37.886M         | 39.49M           | 37.47M          |
| 5510MHz                         | Pass   | Inf        | 39.71M           | 37.653M         | 39.38M           | 37.67M          |
| 5550MHz                         | Pass   | Inf        | 39.71M           | 37.566M         | 39.27M           | 37.615M         |
| 5670MHz                         | Pass   | Inf        | 39.27M           | 37.542M         | 39.71M           | 37.69M          |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | Inf        | 34.44M           | 33.64M          | 34.895M          | 33.604M         |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 500k       | 4.06M            | 4.088M          | 3.38M            | 4.089M          |
| 5755MHz                         | Pass   | 500k       | 36.3M            | 37.949M         | 38.06M           | 38.497M         |
| 5795MHz                         | Pass   | 500k       | 38.06M           | 37.82M          | 38.06M           | 42.482M         |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | -      | -          | -                | -               | -                | -               |
| 5210MHz                         | Pass   | Inf        | 81.18M           | 76.796M         | 80.52M           | 77.6M           |
| 5290MHz                         | Pass   | Inf        | 80.08M           | 76.489M         | 80.3M            | 77.32M          |
| 5530MHz                         | Pass   | Inf        | 80.08M           | 77.008M         | 80.96M           | 77.029M         |
| 5610MHz                         | Pass   | Inf        | 80.08M           | 76.79M          | 80.08M           | 77.083M         |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | Inf        | 75.15M           | 72.953M         | 75.15M           | 73.103M         |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 500k       | 4.08M            | 4.146M          | 4.06M            | 4.1M            |
| 5775MHz                         | Pass   | 500k       | 78.32M           | 77.113M         | 53.9M            | 77.029M         |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | Inf        | 81.76M           | 77.057M         | 80.16M           | 77.407M         |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | Inf        | 80M              | 77.516M         | 80M              | 77.182M         |
| 5570MHz                         | Pass   | Inf        | 162.36M          | 156.06M         | 161.92M          | 155.345M        |

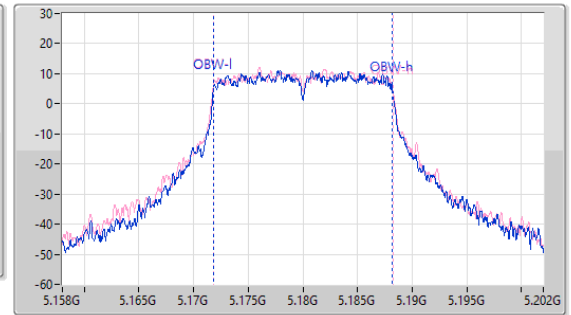
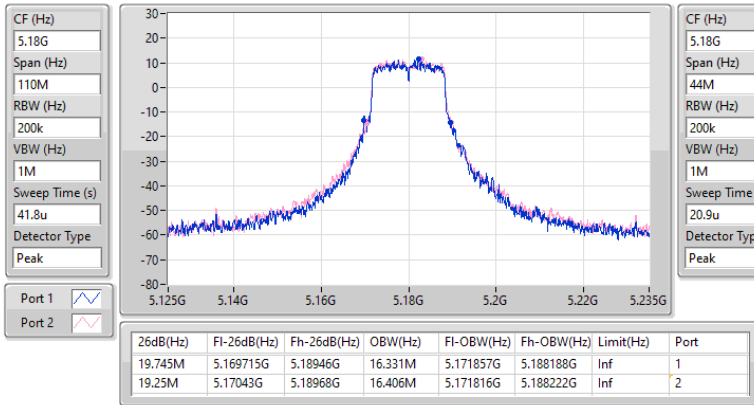
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5180MHz

15/08/2023

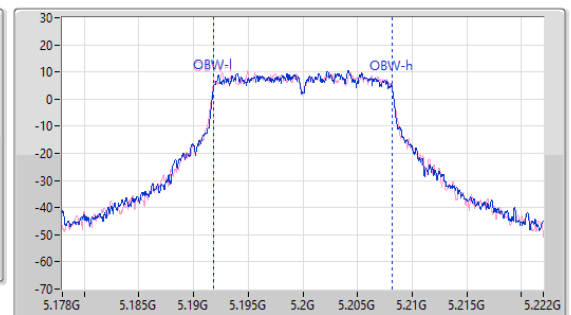
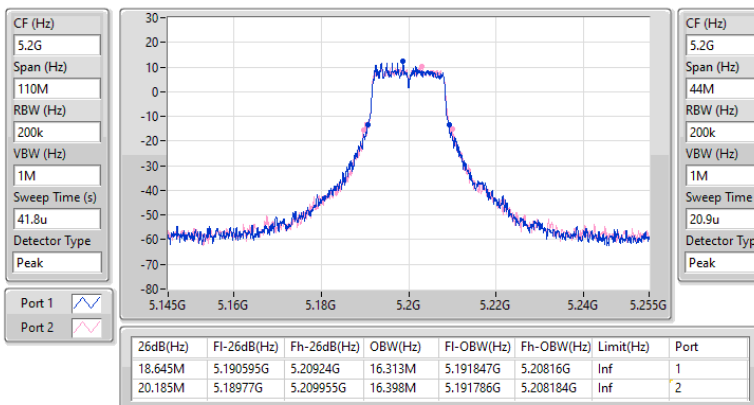


5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

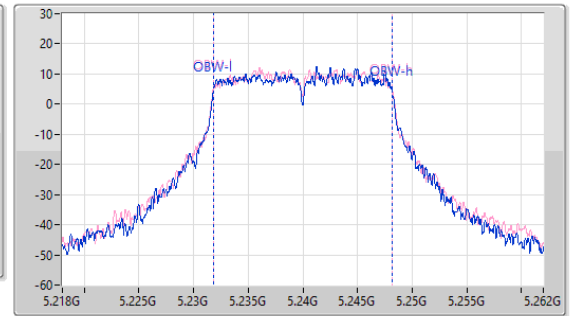
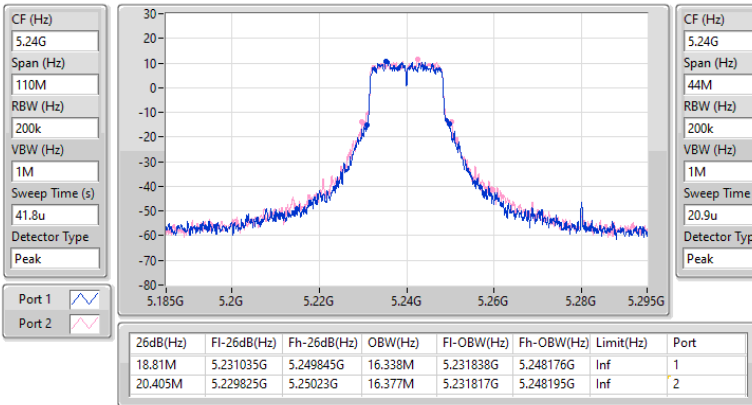
5200MHz

15/08/2023

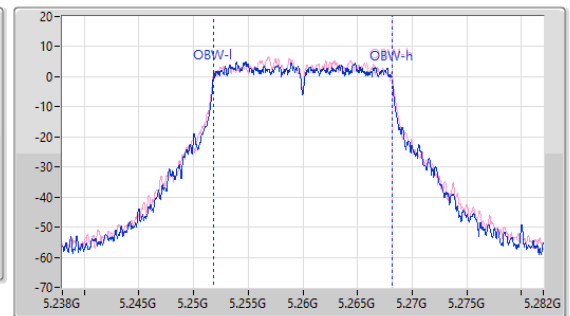
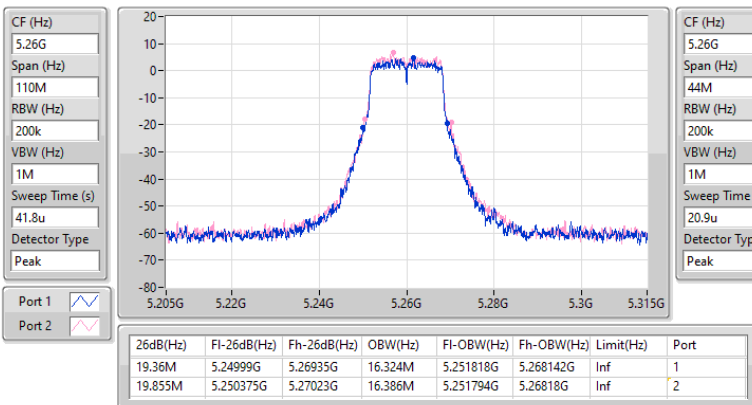


**5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX**
**EBW**
**5240MHz**

15/08/2023

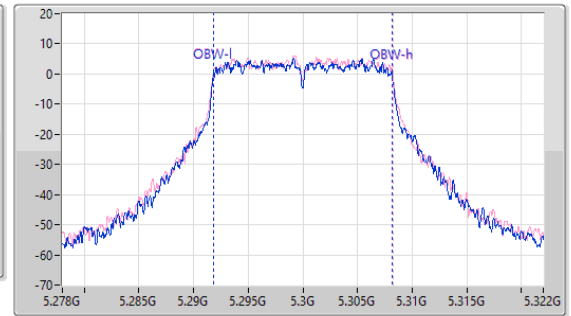
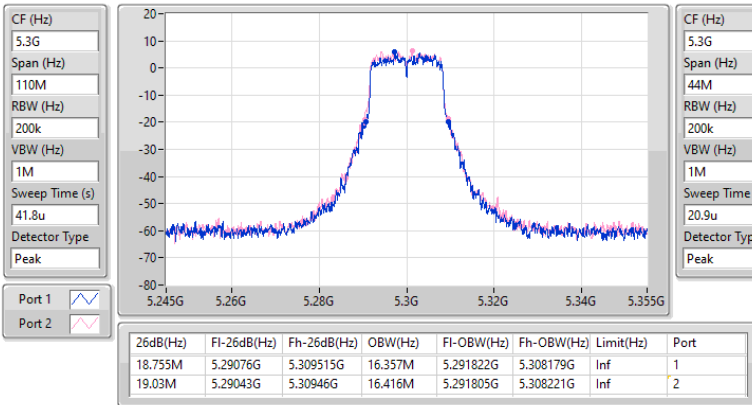

**5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX**
**EBW**
**5260MHz**

15/08/2023

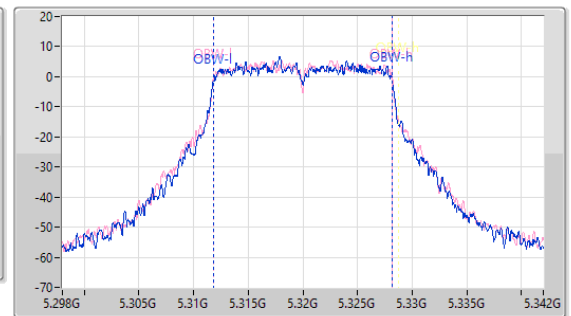
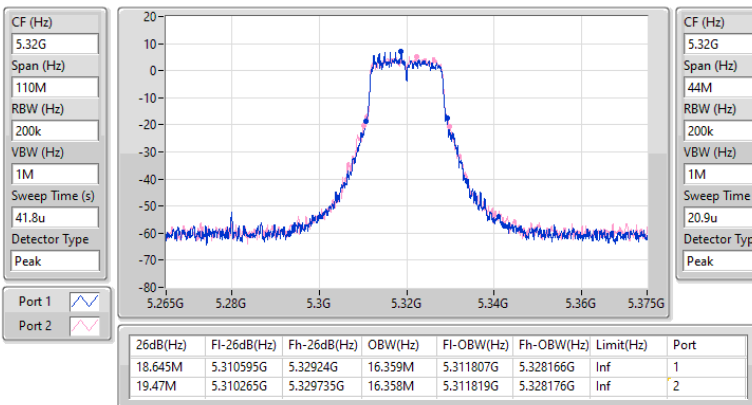


**5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX**
**EBW**
**5300MHz**

15/08/2023


**5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX**
**EBW**
**5320MHz**

15/08/2023

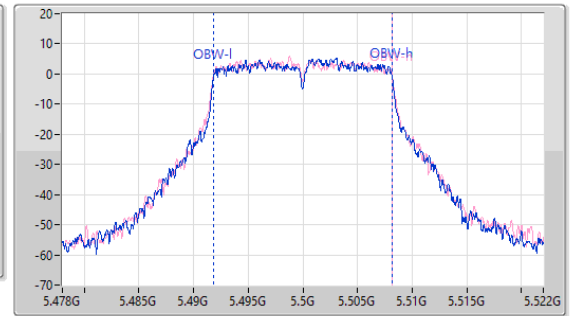
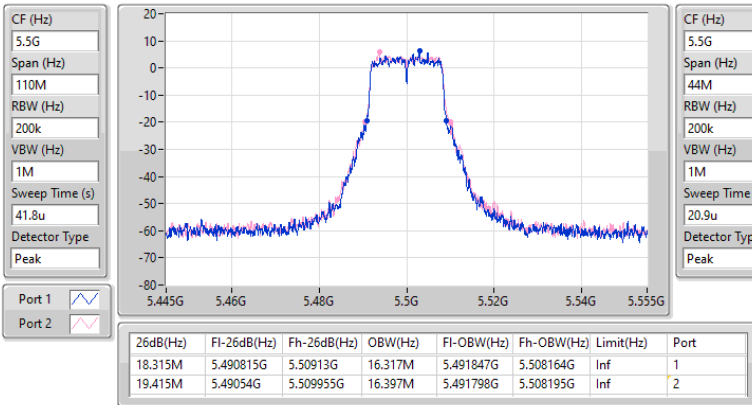


5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5500MHz

15/08/2023

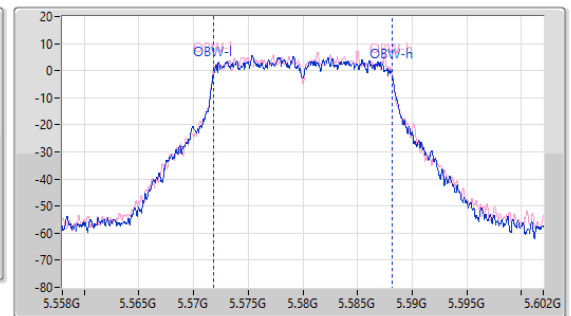
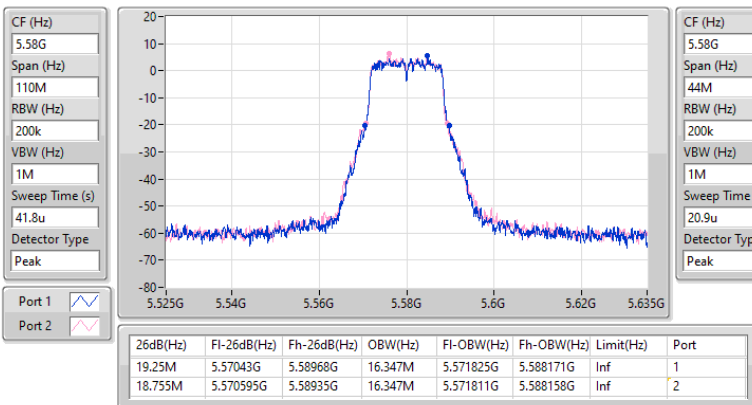


5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5580MHz

15/08/2023

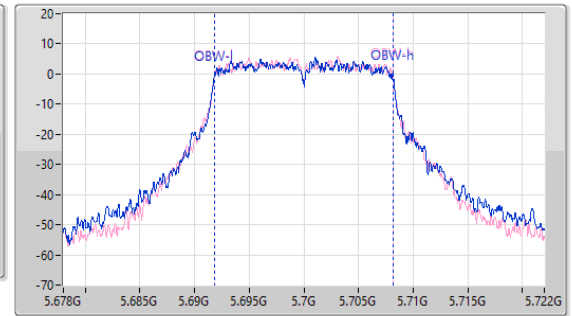
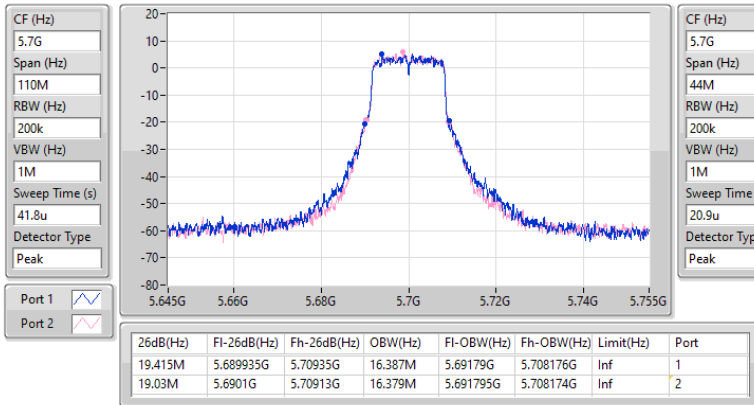


5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5700MHz

15/08/2023

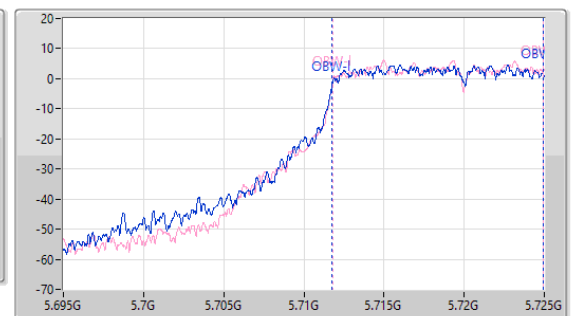
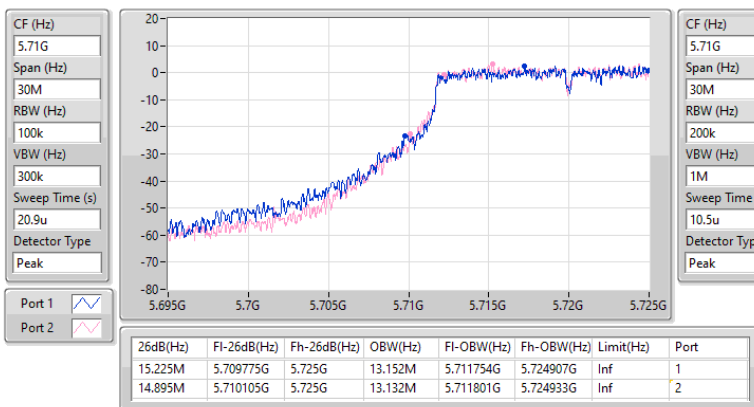


5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

15/08/2023

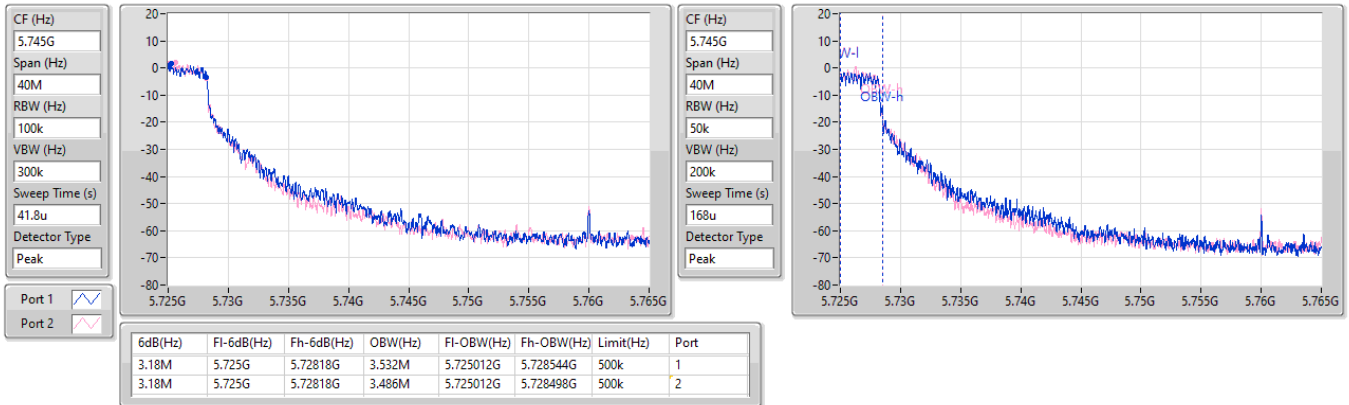


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

15/08/2023

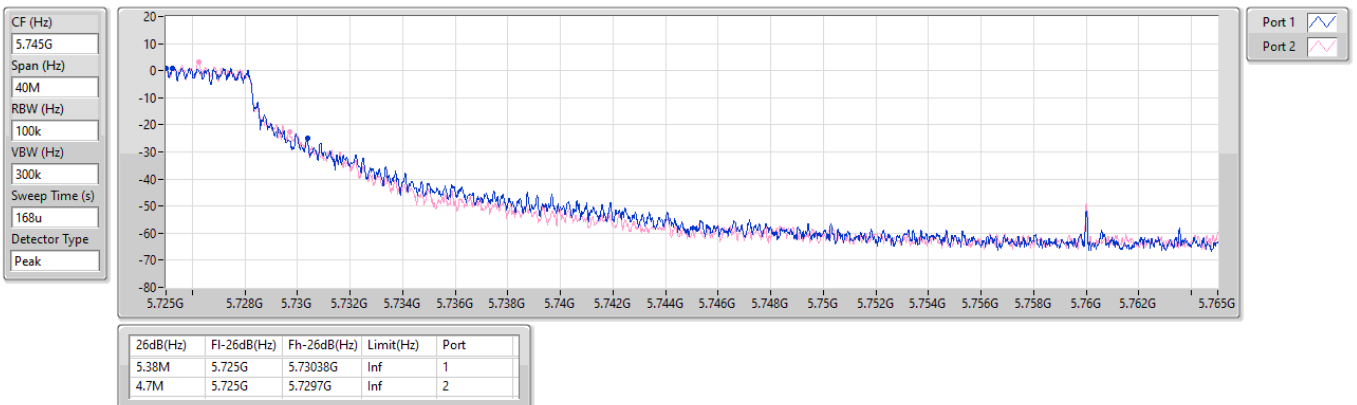


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

15/08/2023

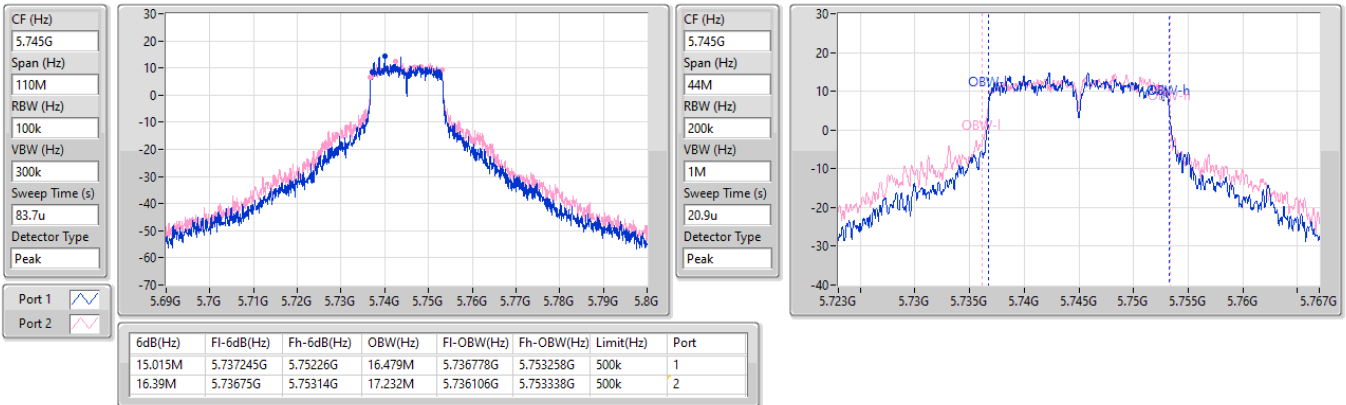


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5745MHz

15/08/2023

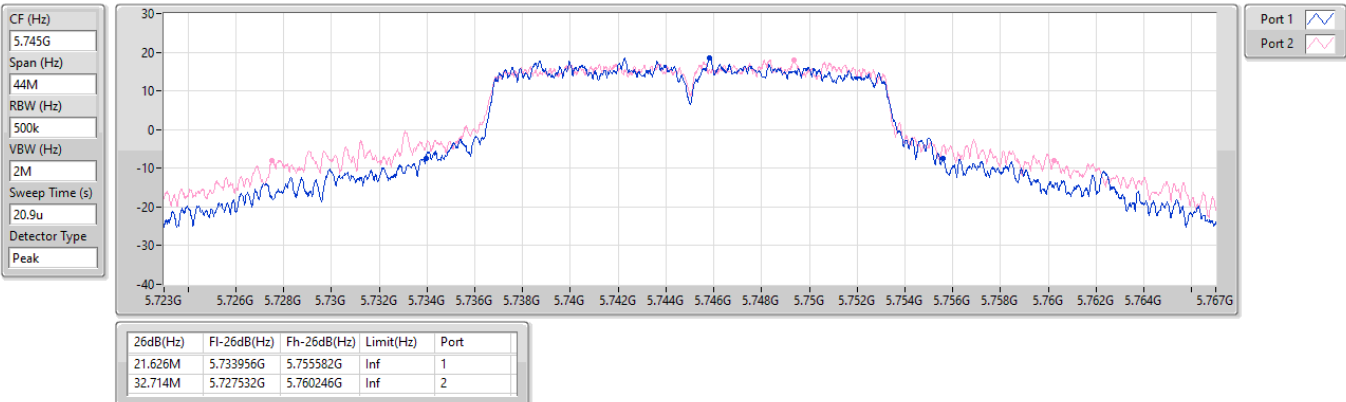


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5745MHz

15/08/2023

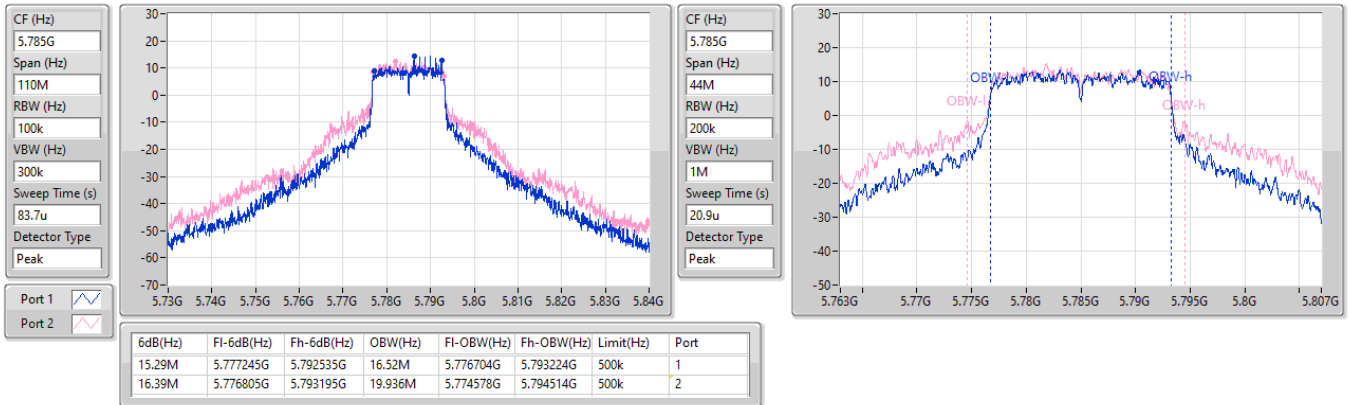


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5785MHz

15/08/2023

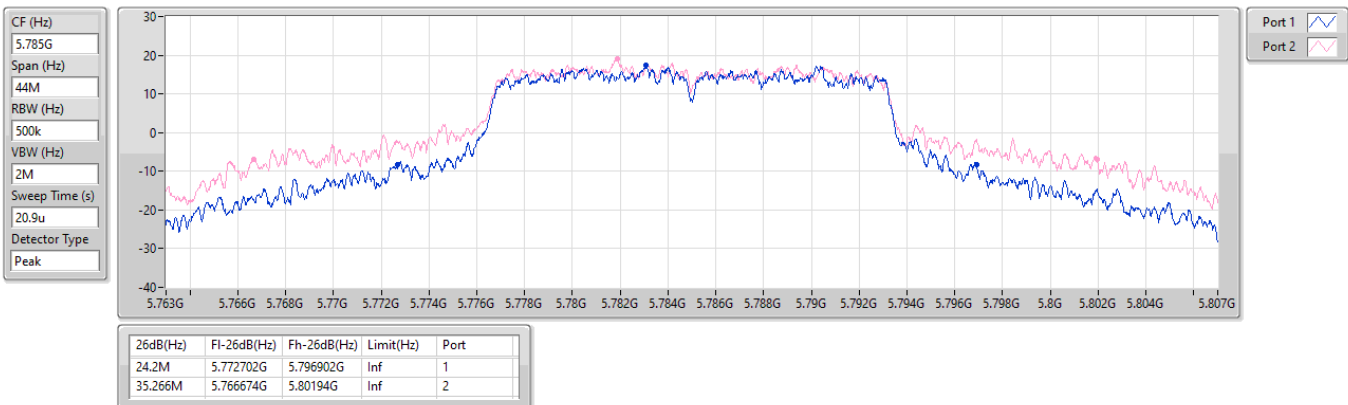


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5785MHz

15/08/2023

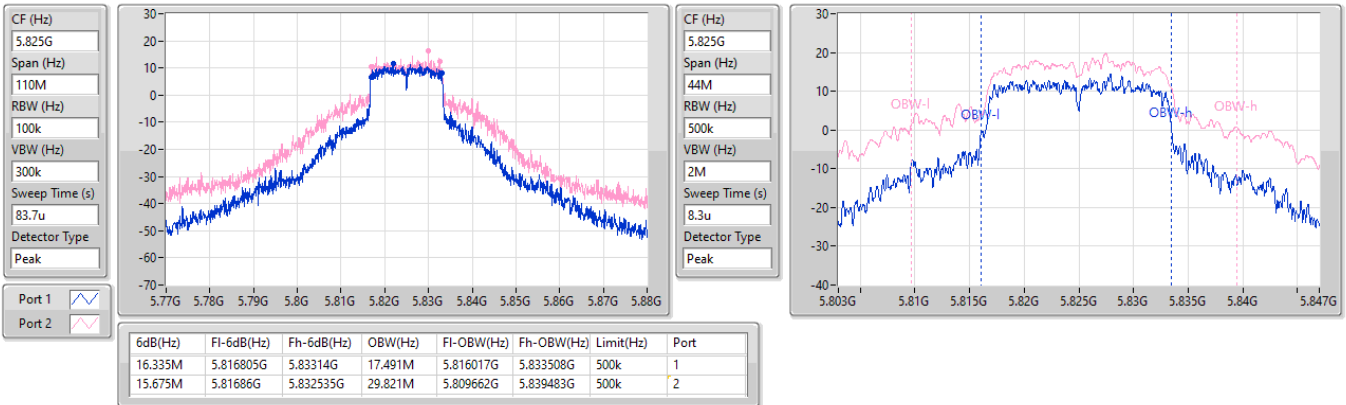


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5825MHz

15/08/2023

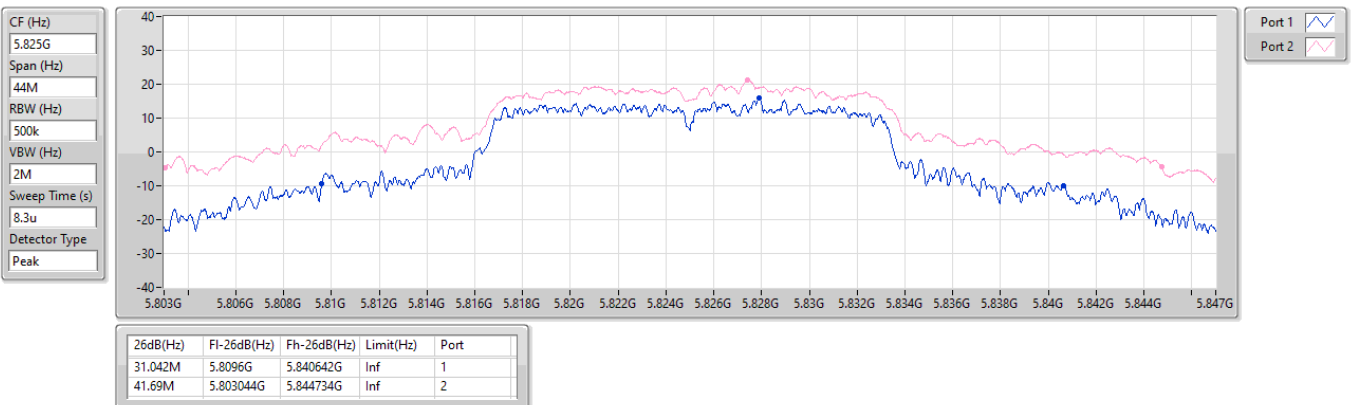


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5825MHz

15/08/2023

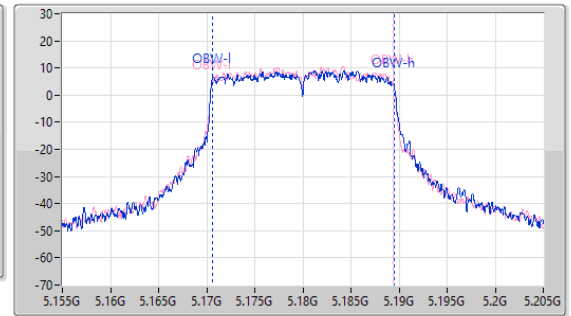
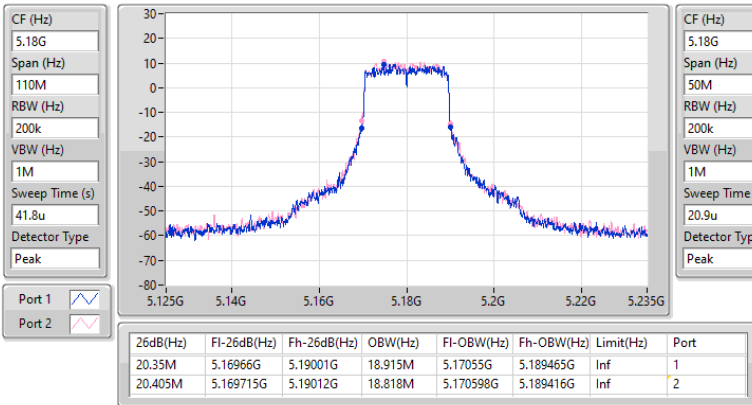


5.15-5.25GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5180MHz

15/08/2023

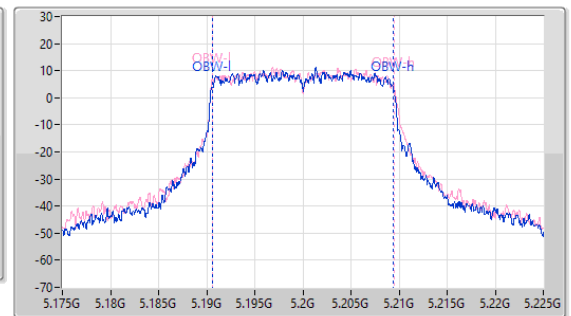
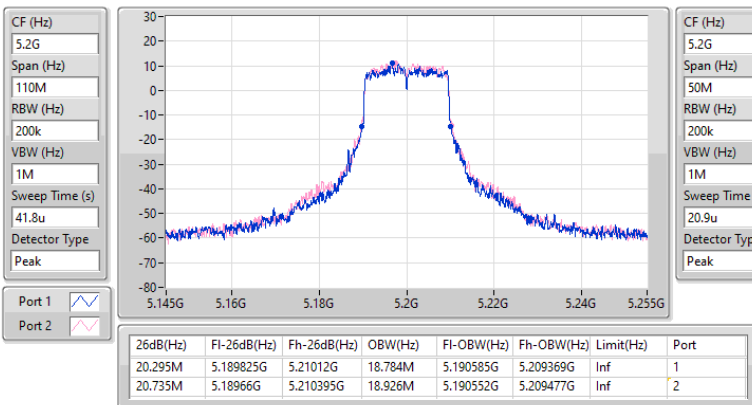


5.15-5.25GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

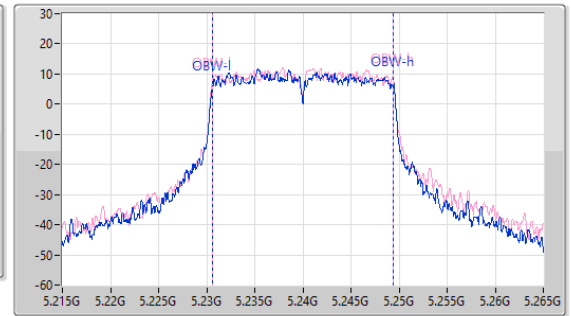
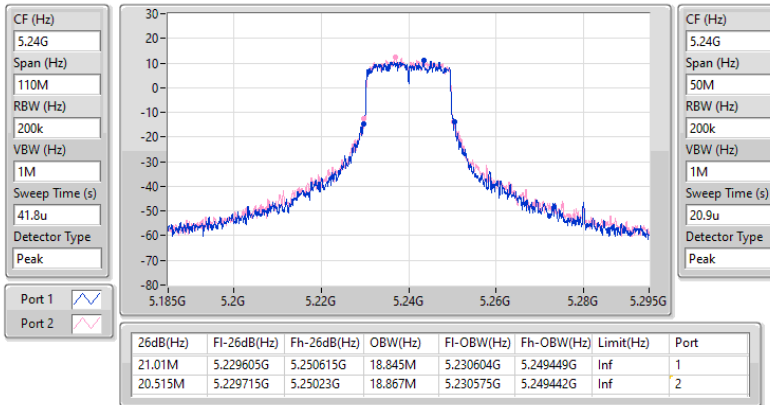
5200MHz

15/08/2023

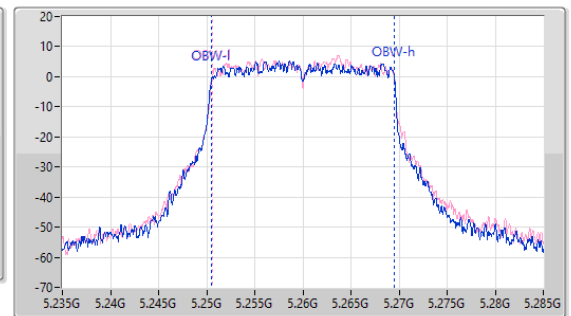
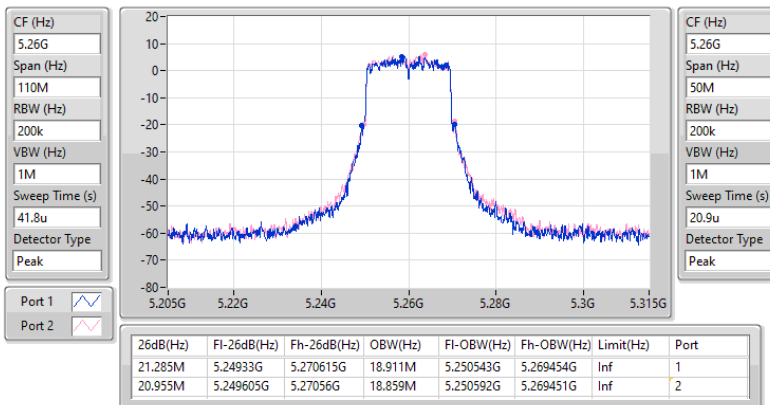


**5.15-5.25GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX**
**EBW**
**5240MHz**

15/08/2023


**5.25-5.35GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX**
**EBW**
**5260MHz**

15/08/2023

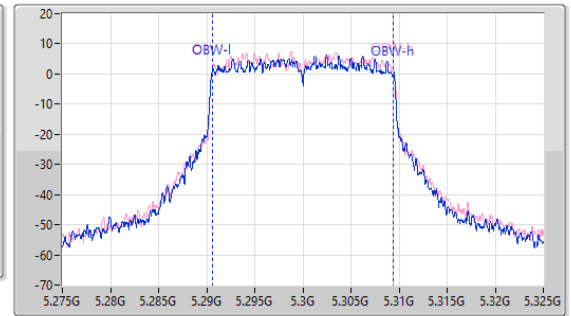
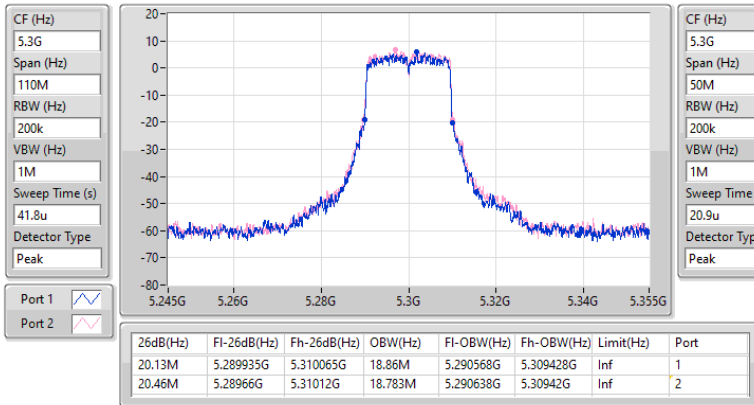


5.25-5.35GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

EBW

5300MHz

15/08/2023

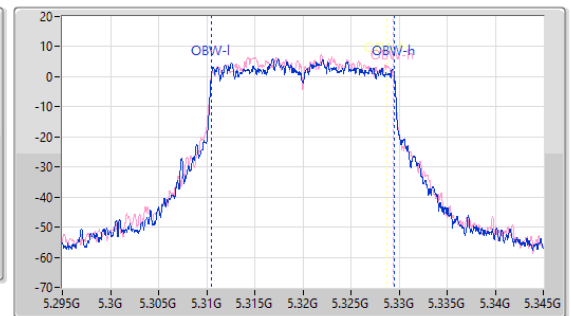
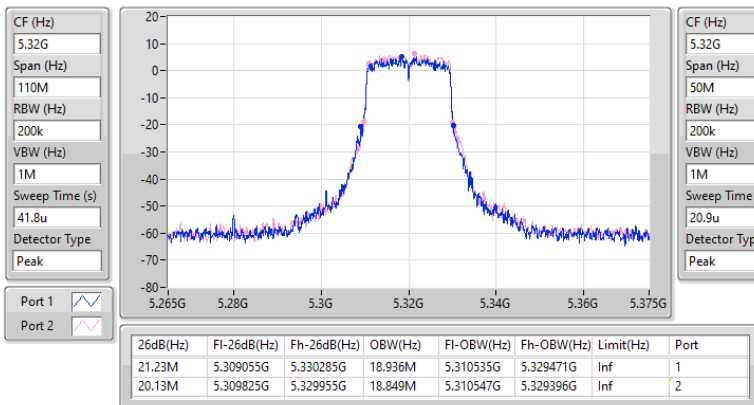


5.25-5.35GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

EBW

5320MHz

15/08/2023

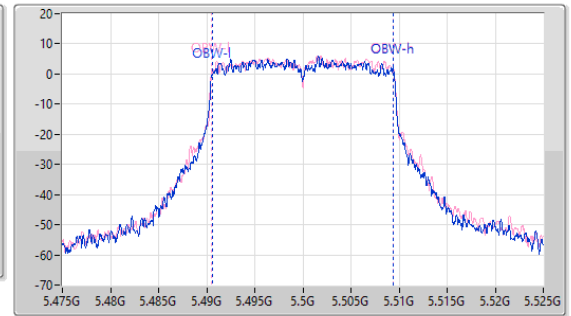
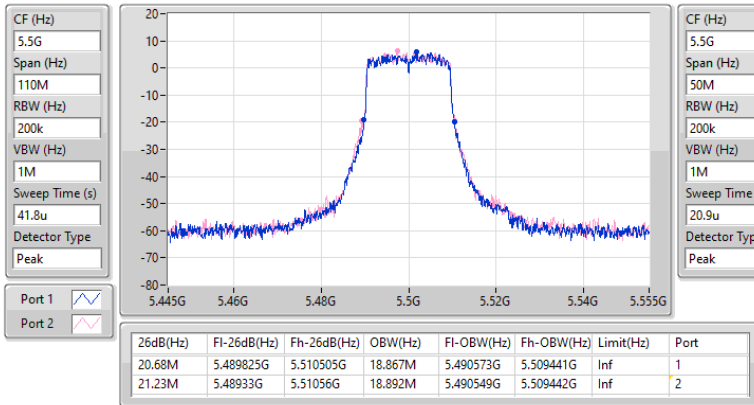


5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5500MHz

15/08/2023

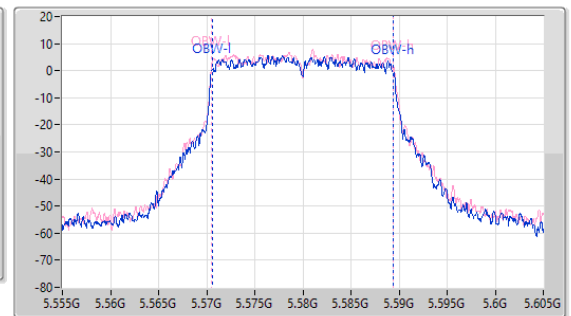
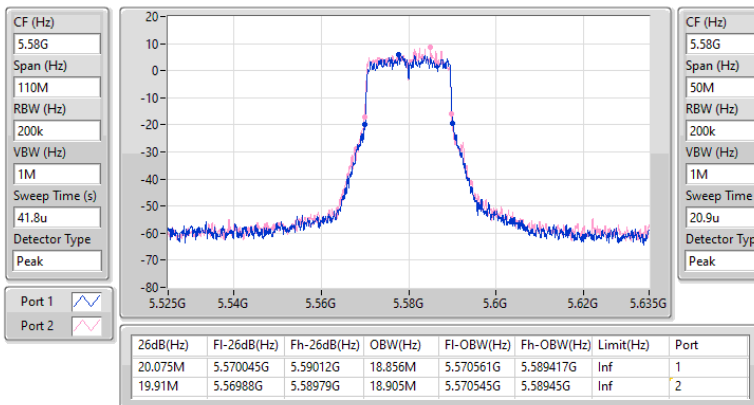


5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5580MHz

15/08/2023

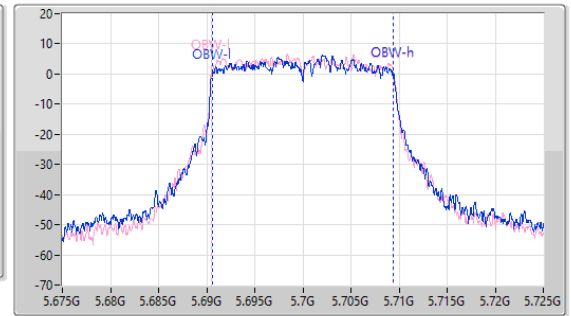
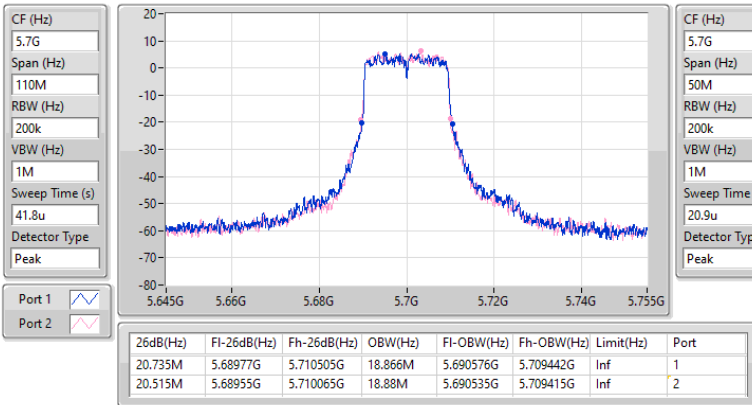


5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5700MHz

15/08/2023

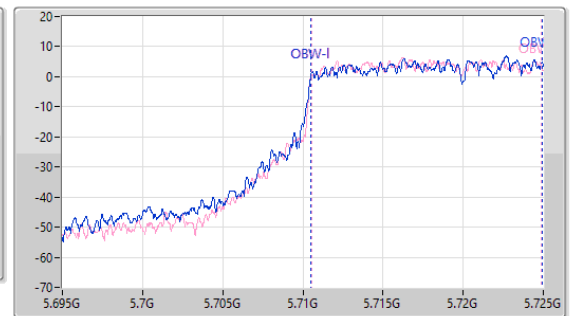
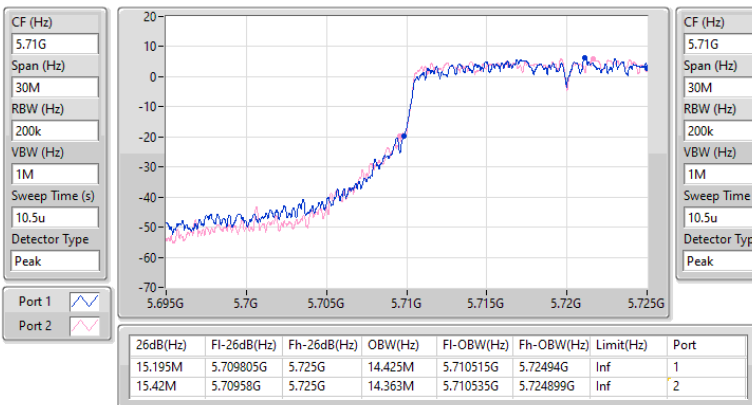


5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

15/08/2023

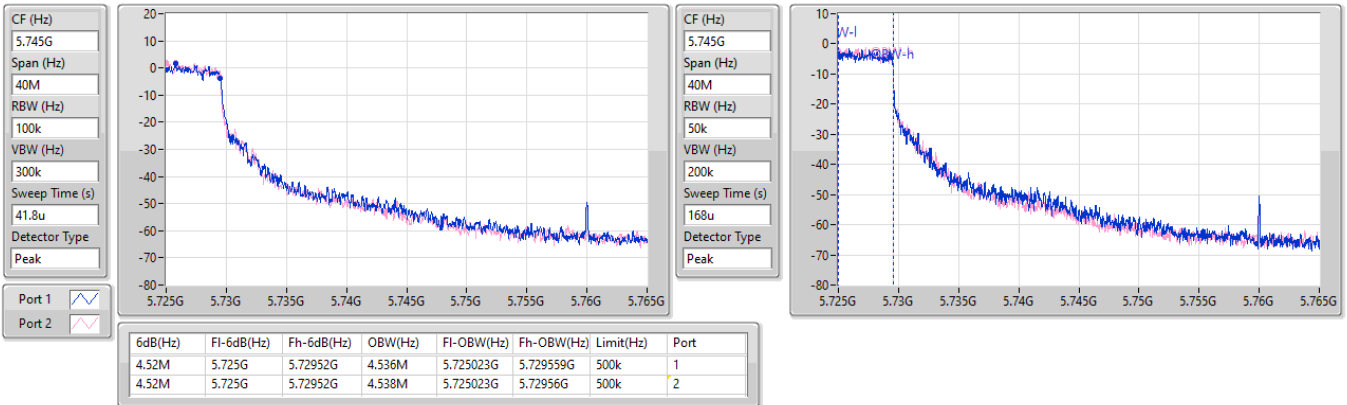


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

15/08/2023

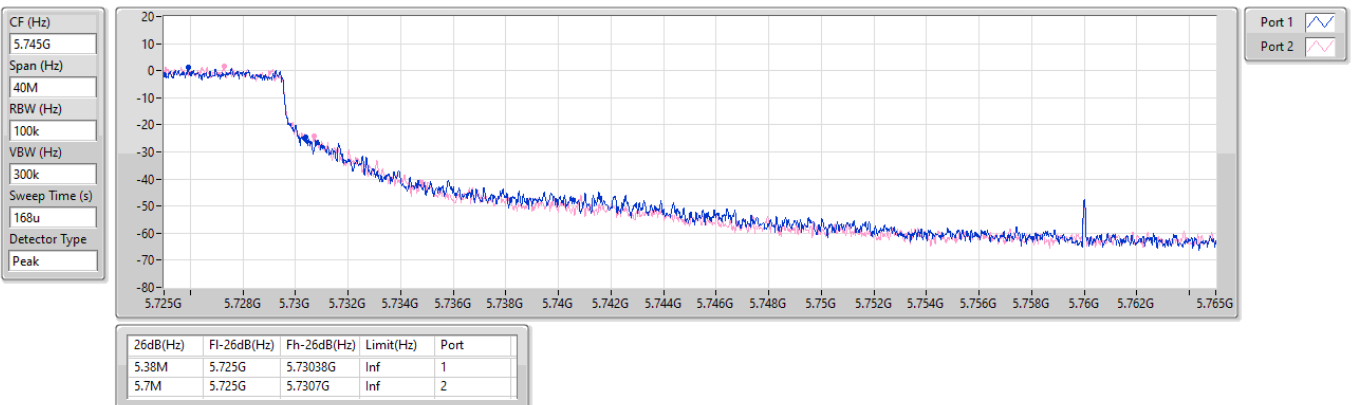


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

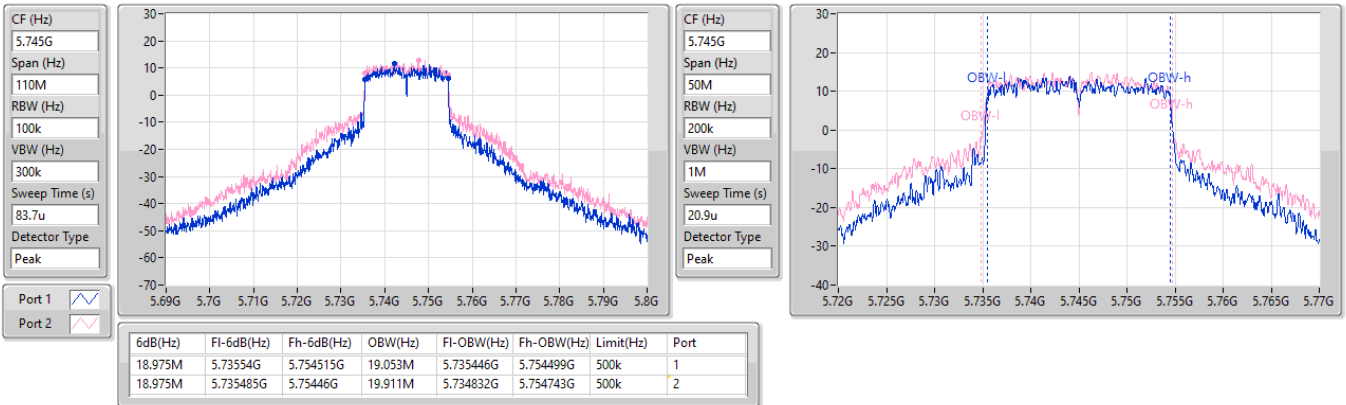
5720MHz Straddle 5.725-5.85GHz

15/08/2023

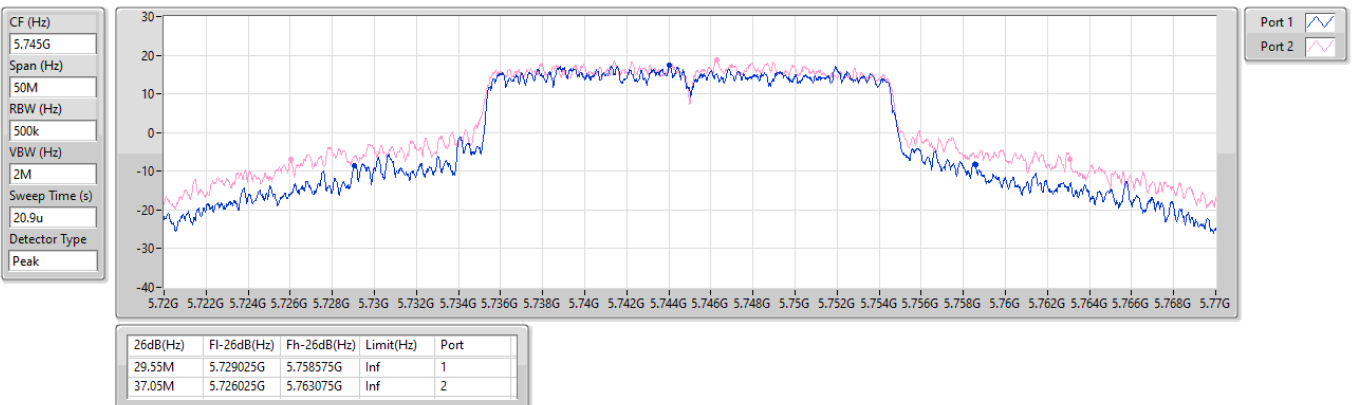


**5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX**
**EBW**
**5745MHz**

15/08/2023


**5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX**
**EBW**
**5745MHz**

15/08/2023

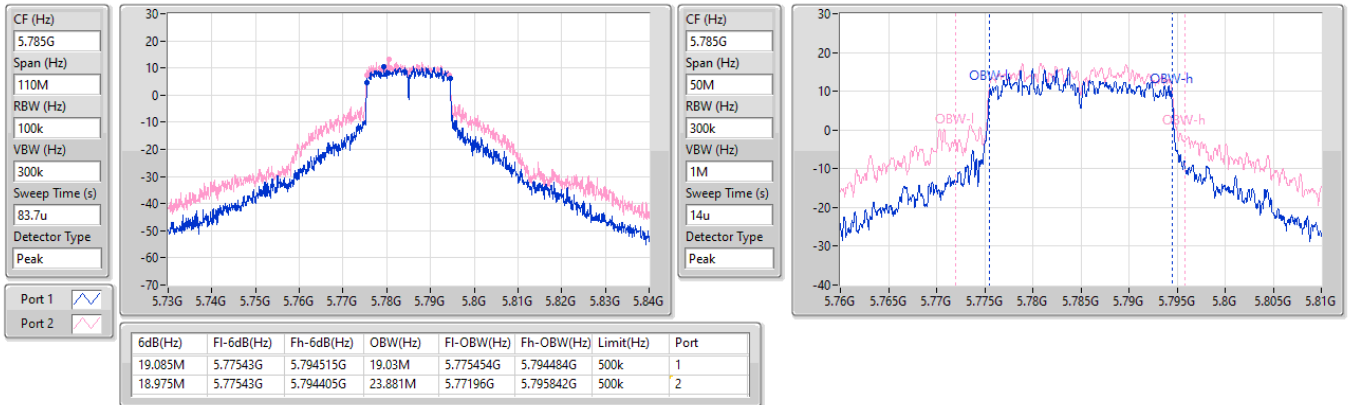


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5785MHz

15/08/2023

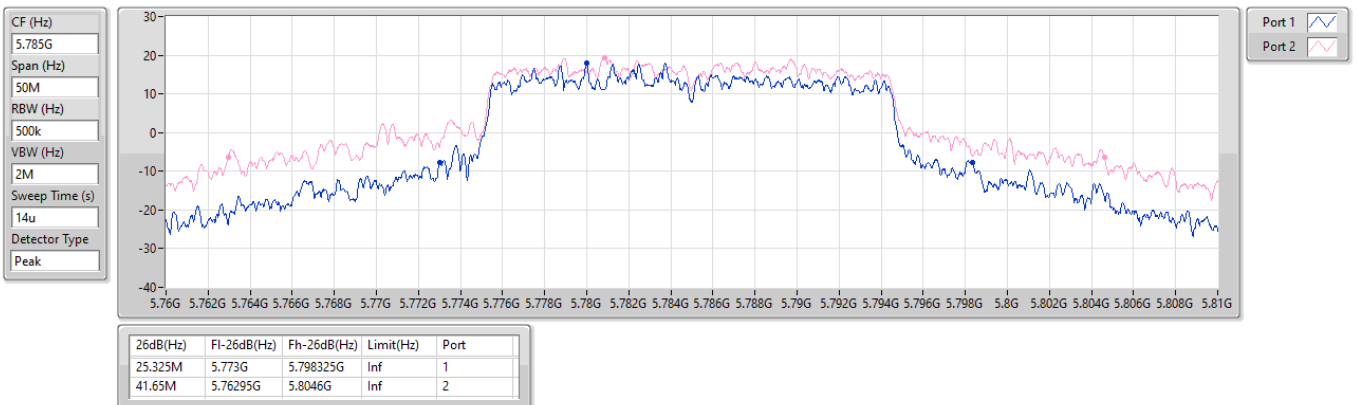


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5785MHz

15/08/2023

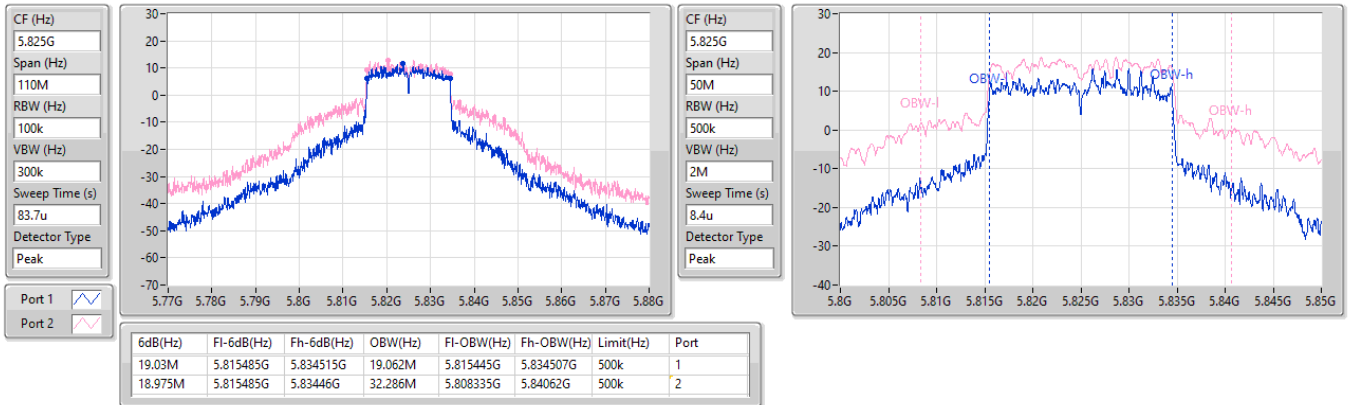


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5825MHz

15/08/2023

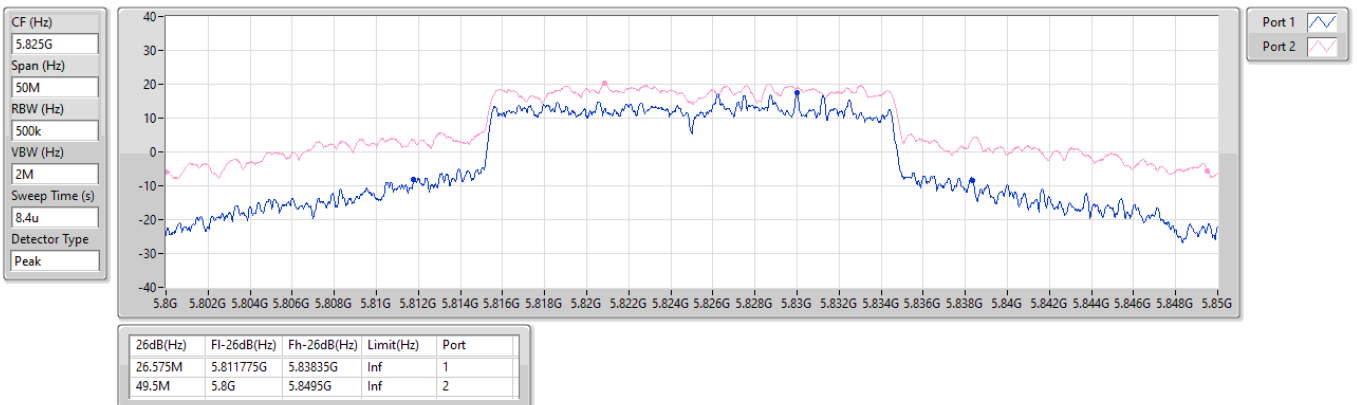


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5825MHz

15/08/2023

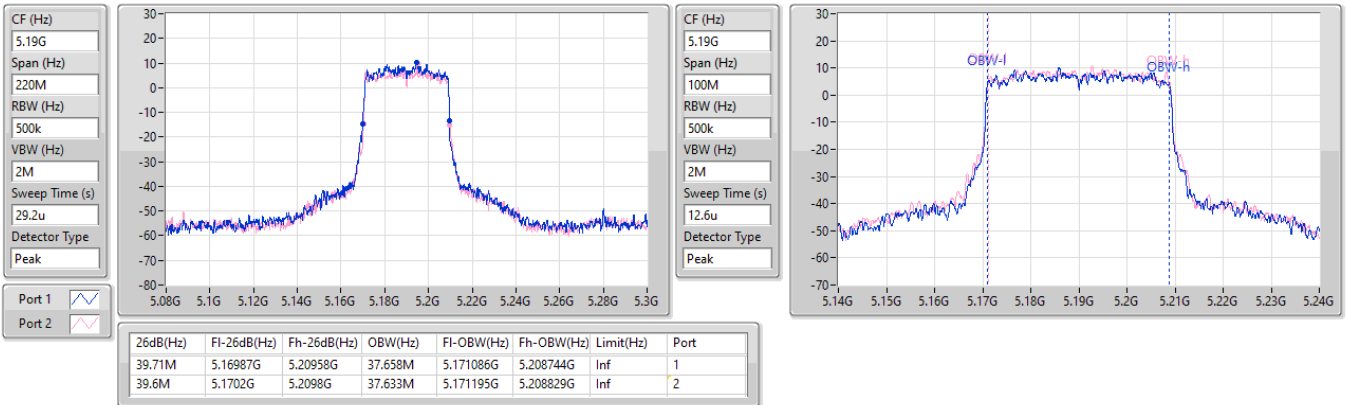


5.15-5.25GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5190MHz

15/08/2023

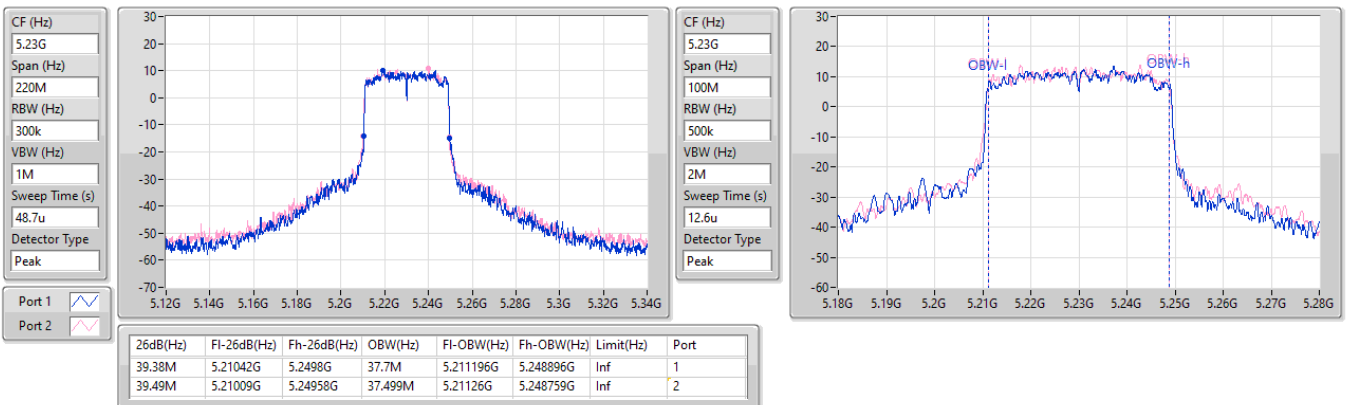


5.15-5.25GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5230MHz

15/08/2023

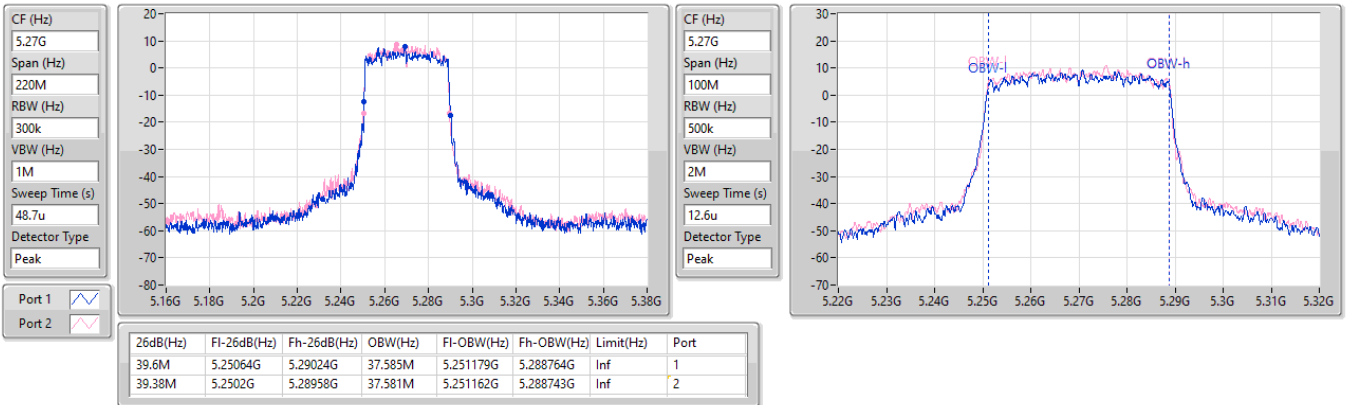


5.25-5.35GHz\_802.11ax\_HEW40\_Nss1,(MCS0)\_2TX

EBW

5270MHz

15/08/2023

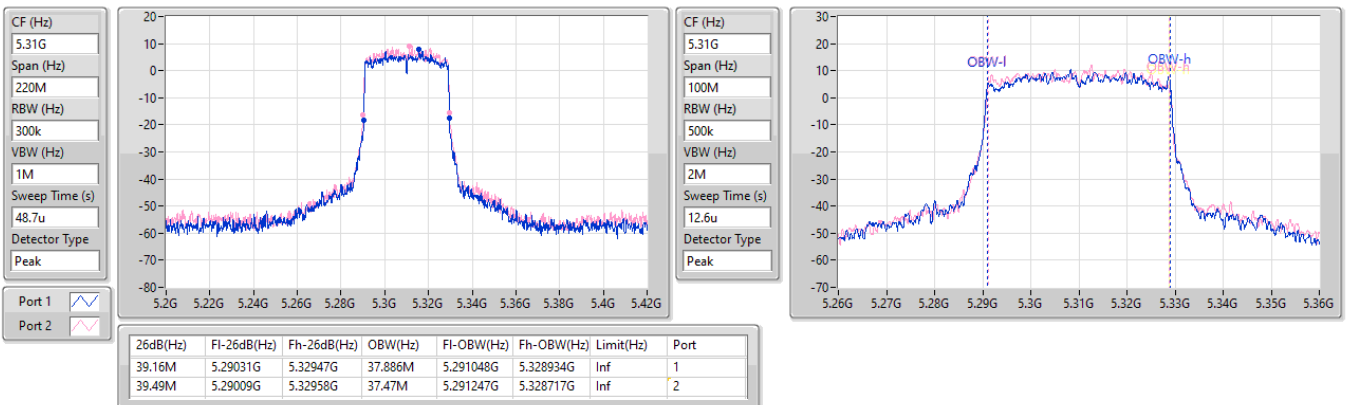


5.25-5.35GHz\_802.11ax\_HEW40\_Nss1,(MCS0)\_2TX

EBW

5310MHz

15/08/2023

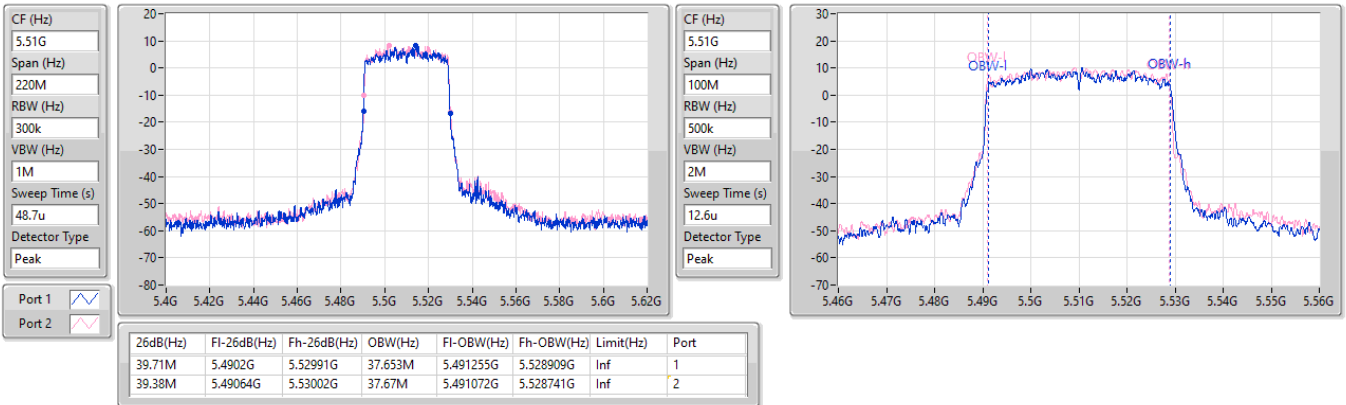


5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5510MHz

15/08/2023

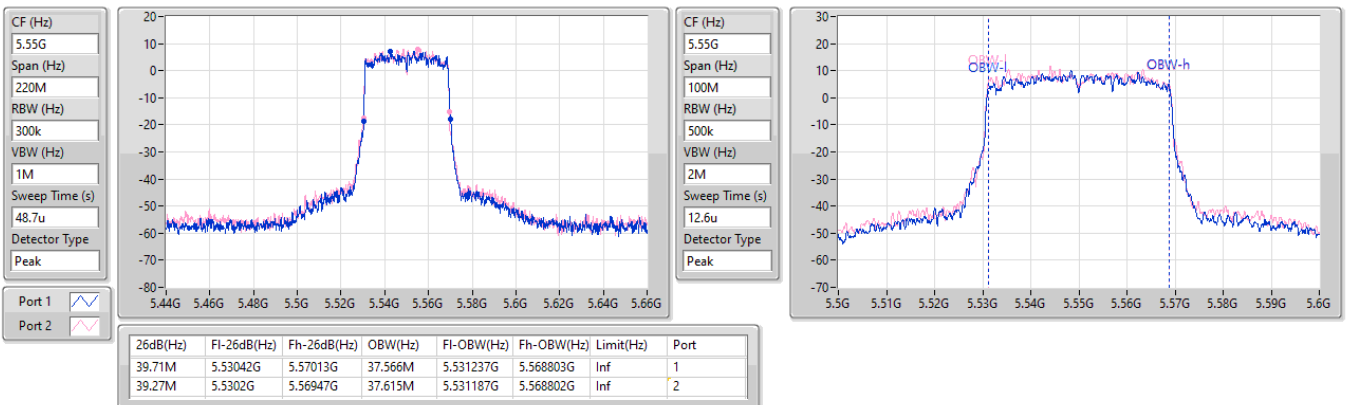


5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5550MHz

15/08/2023

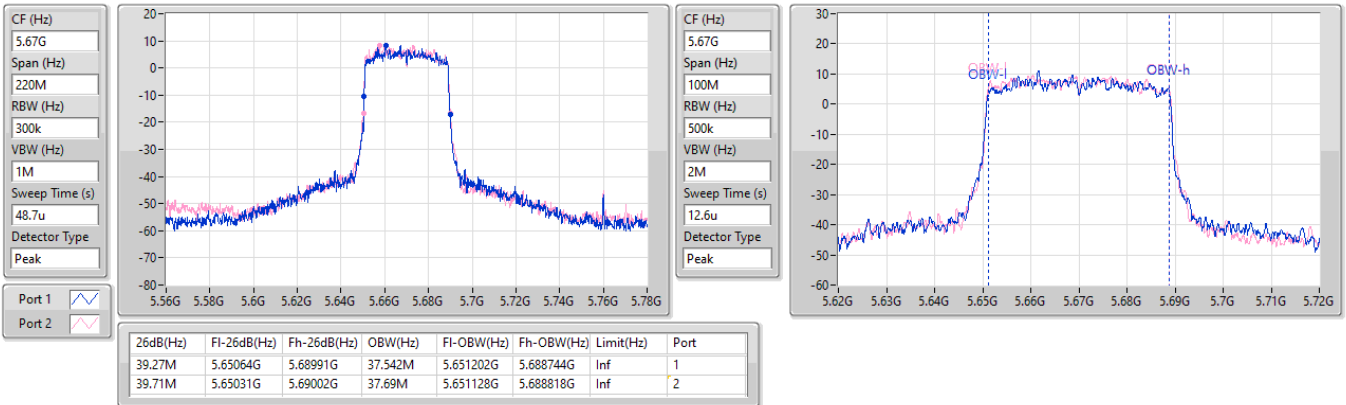


5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5670MHz

15/08/2023

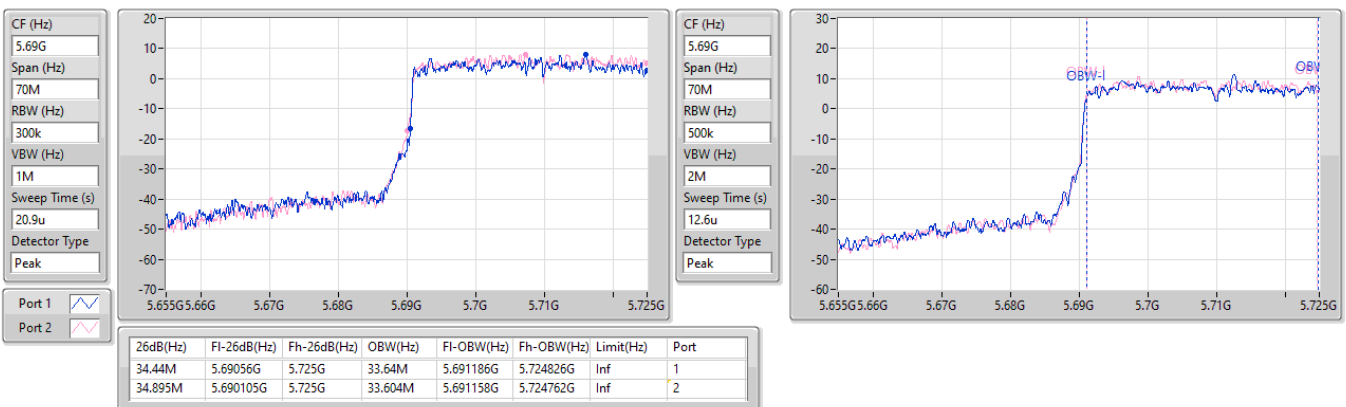


5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

15/08/2023

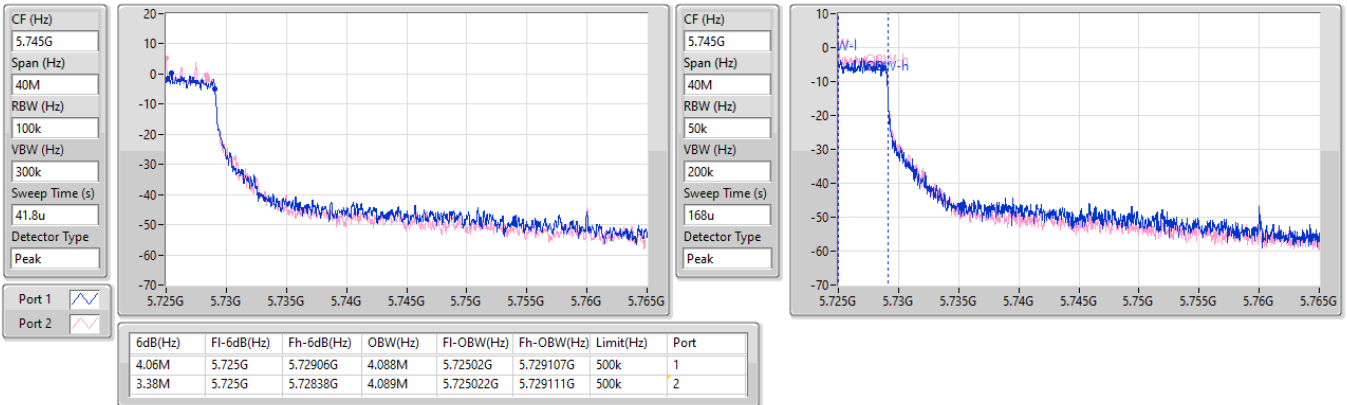


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

15/08/2023

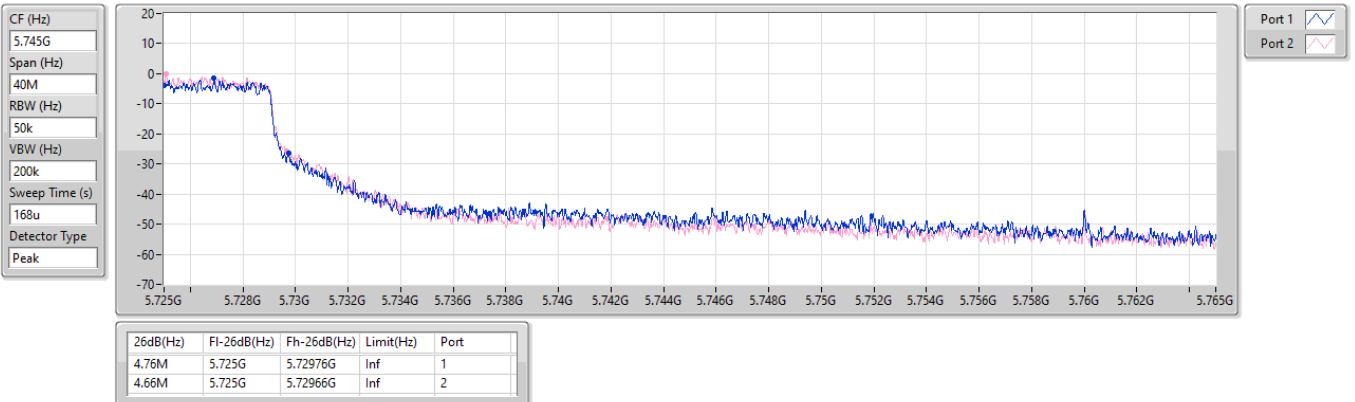


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

15/08/2023

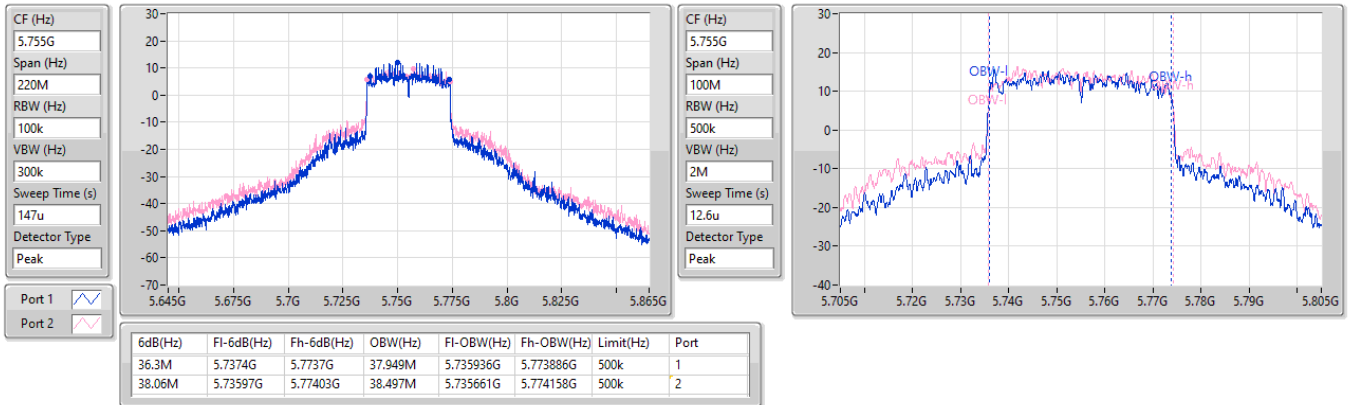


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5755MHz

15/08/2023

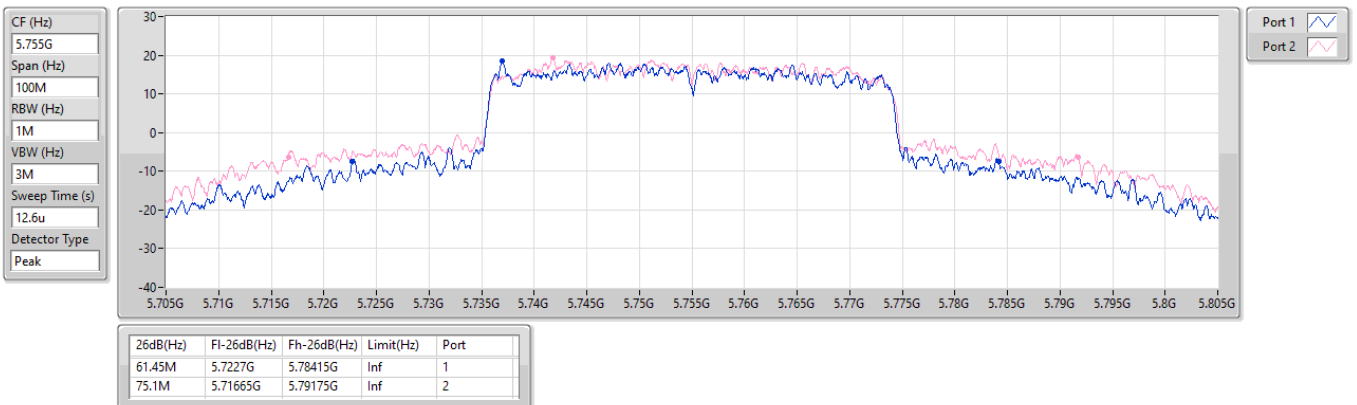


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5755MHz

15/08/2023

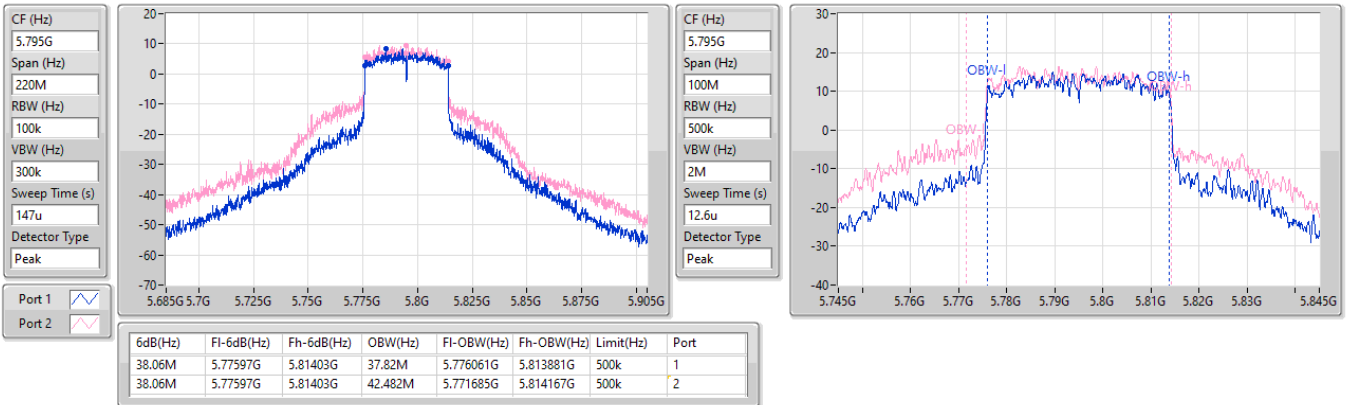


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5795MHz

15/08/2023

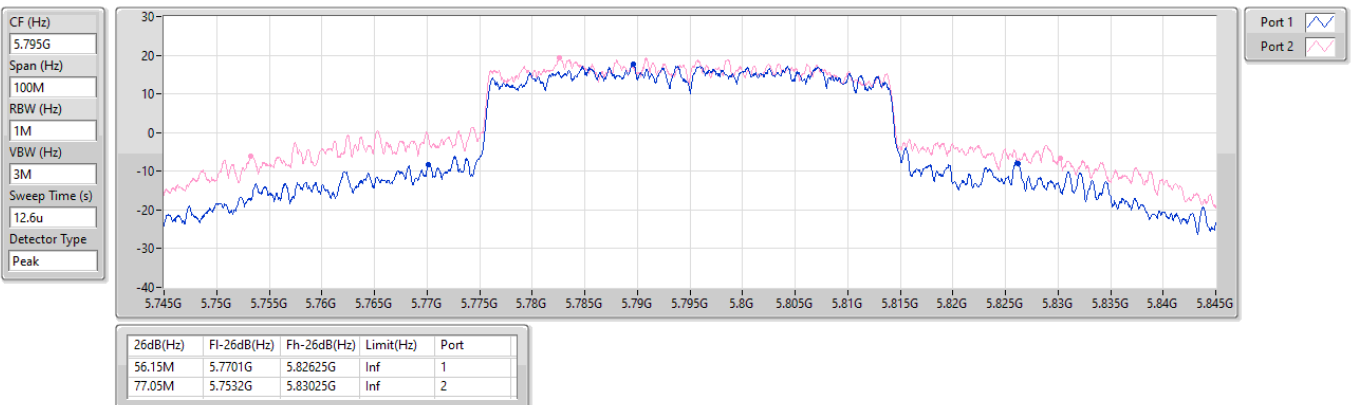


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5795MHz

15/08/2023

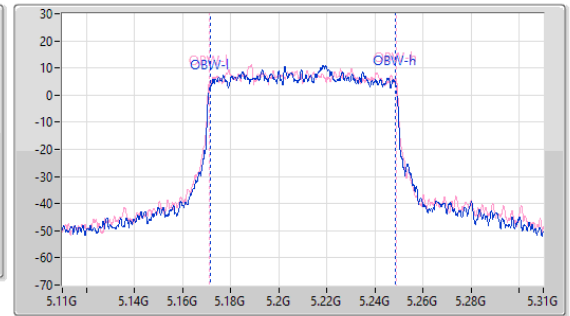
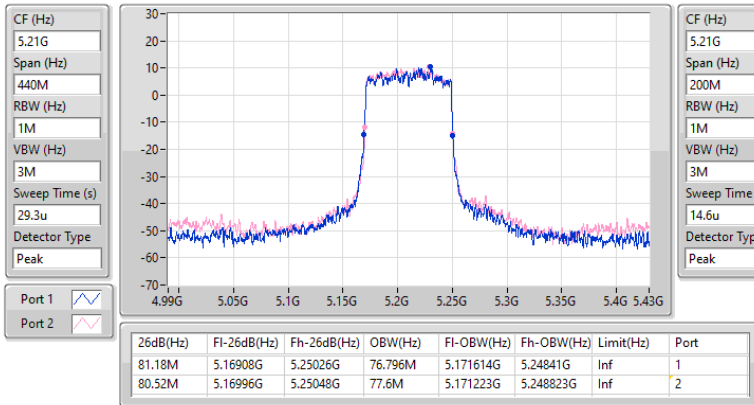


## 5.15-5.25GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5210MHz

15/08/2023

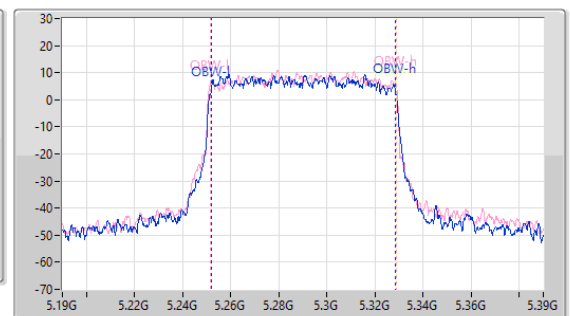
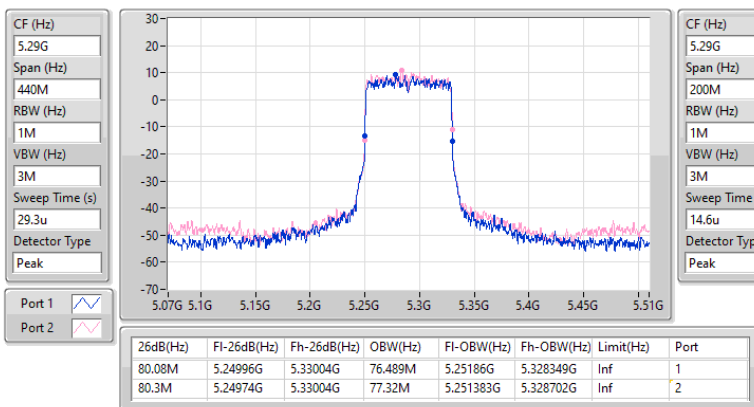


## 5.25-5.35GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5290MHz

15/08/2023

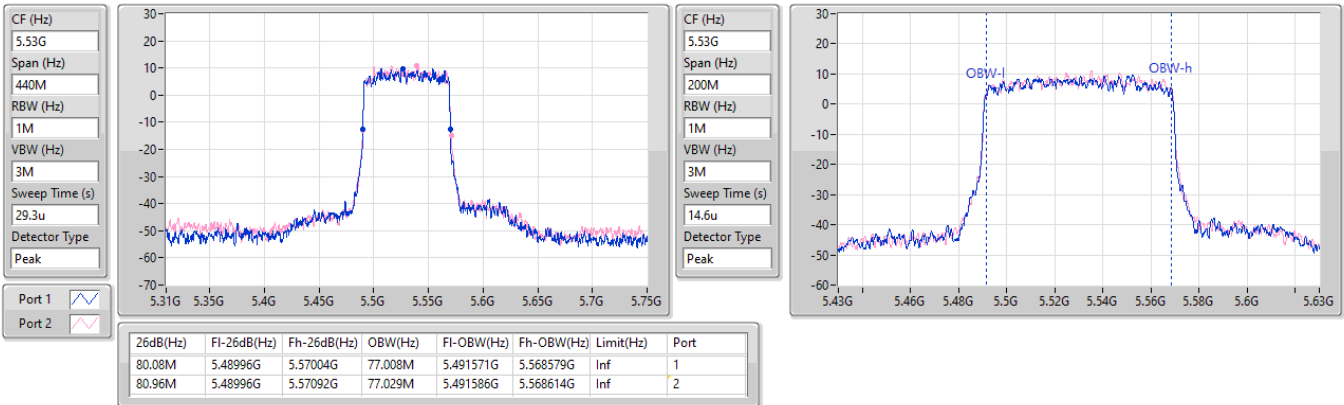


5.47-5.725GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5530MHz

15/08/2023

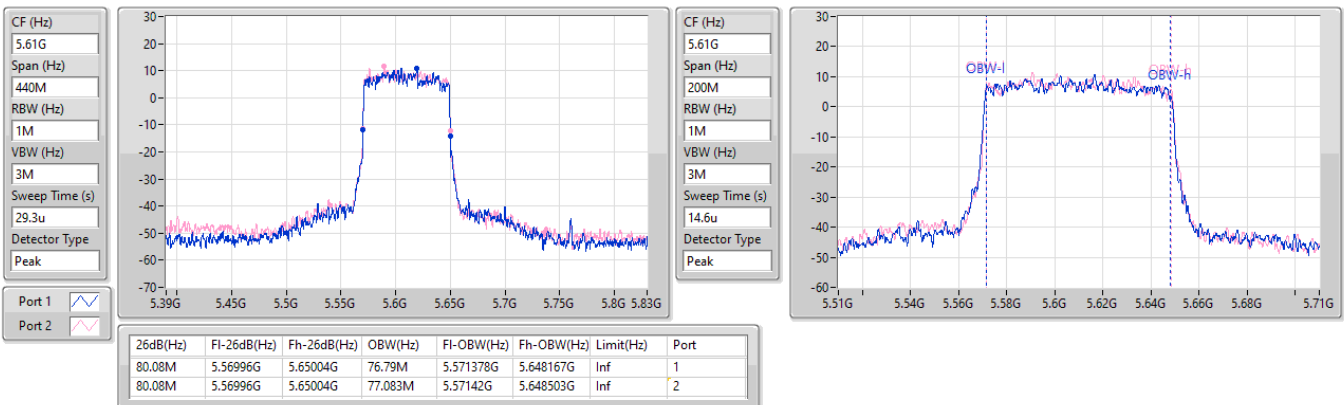


5.47-5.725GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5610MHz

15/08/2023

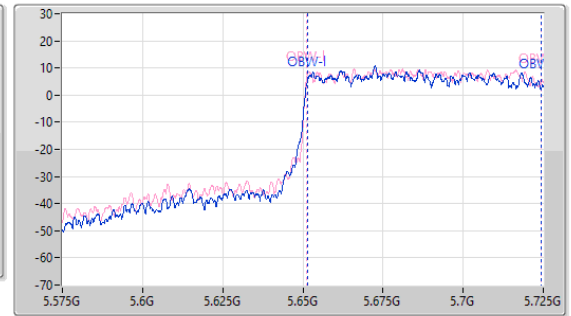
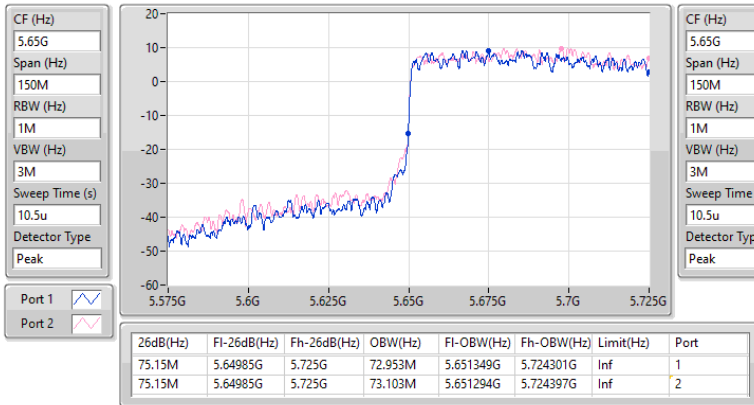


5.47-5.725GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

15/08/2023

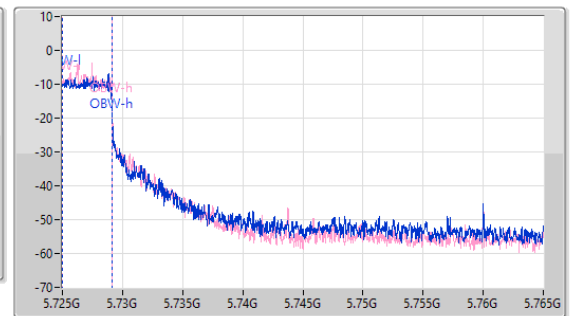
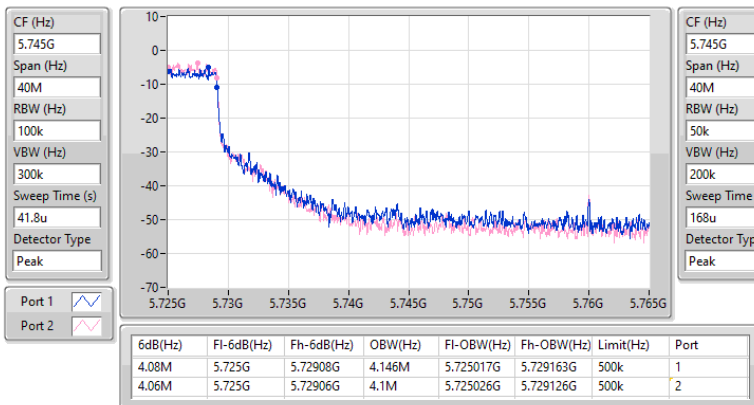


5.725-5.85GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

15/08/2023

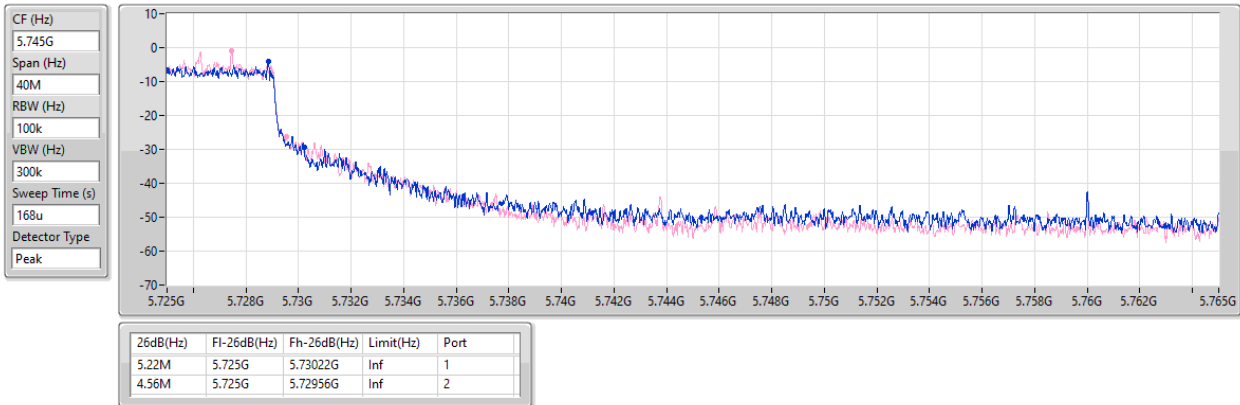


5.725-5.85GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

15/08/2023

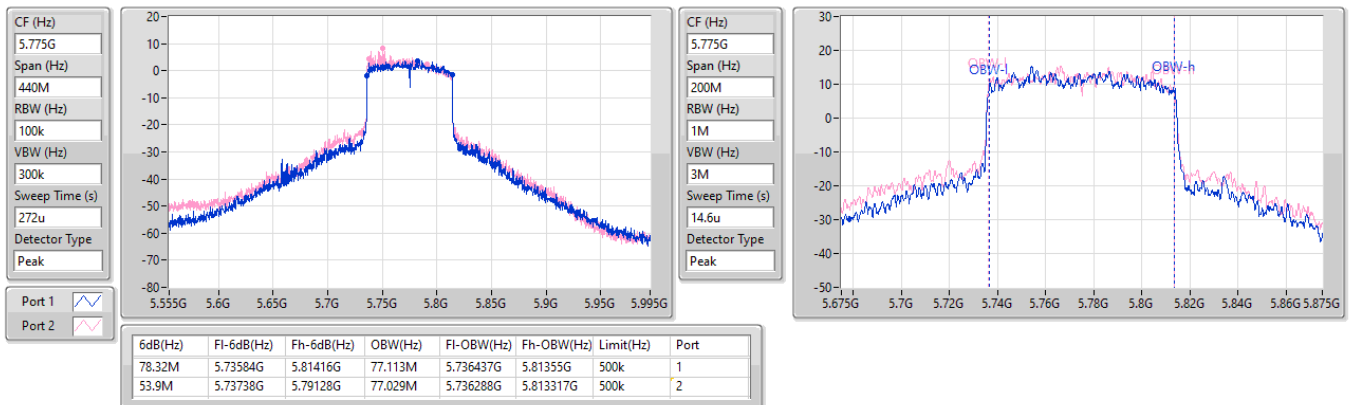


5.725-5.85GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5775MHz

15/08/2023

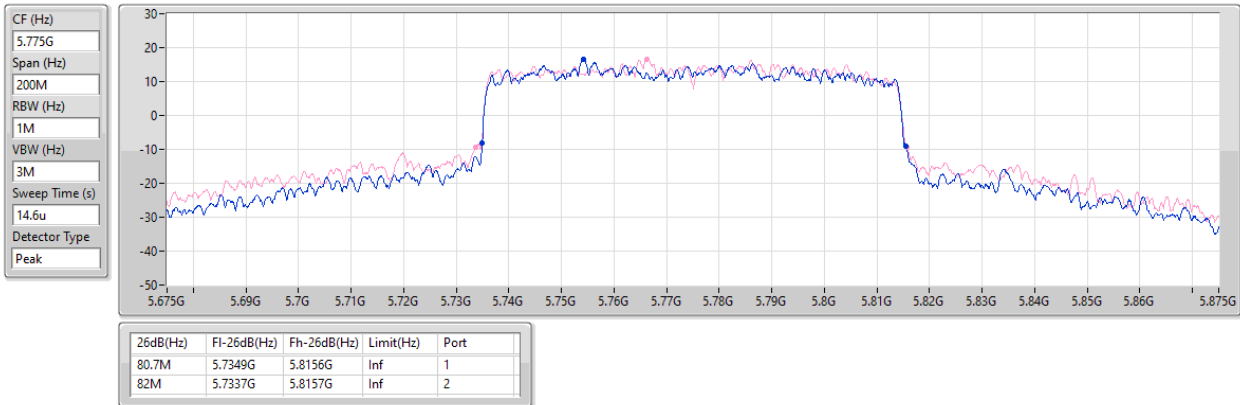


5.725-5.85GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5775MHz

15/08/2023

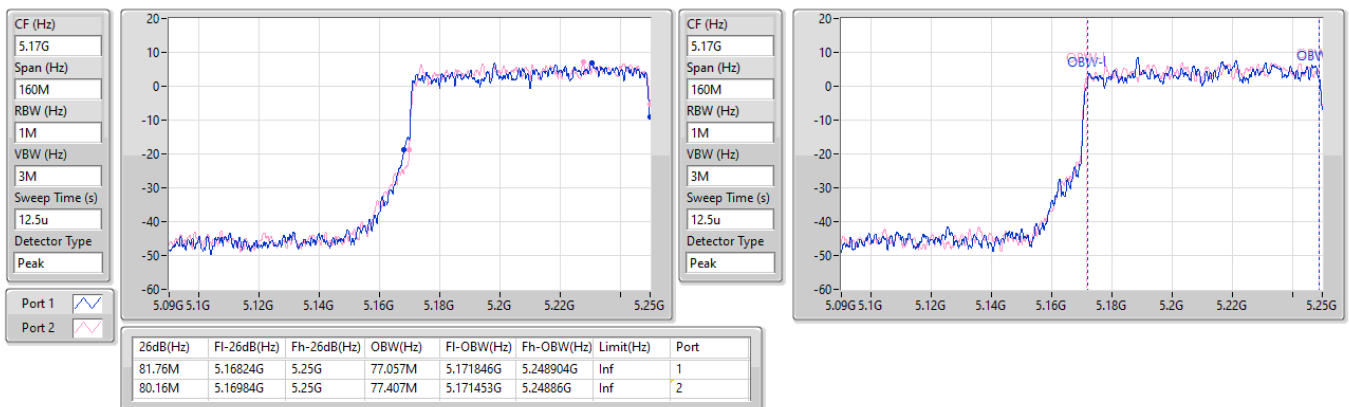


5.15-5.25GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

EBW

5250MHz Straddle 5.15-5.25GHz

15/08/2023

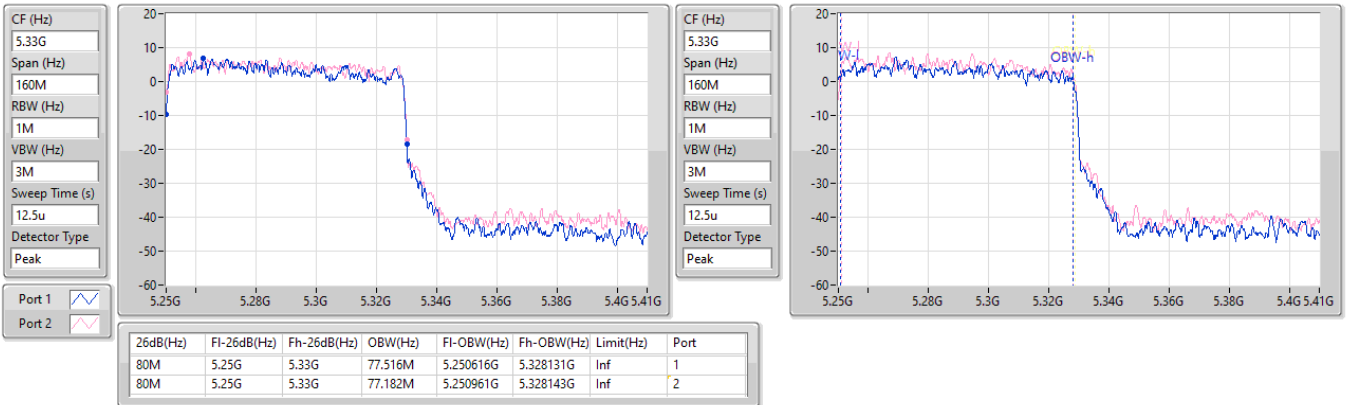


5.25-5.35GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

15/08/2023

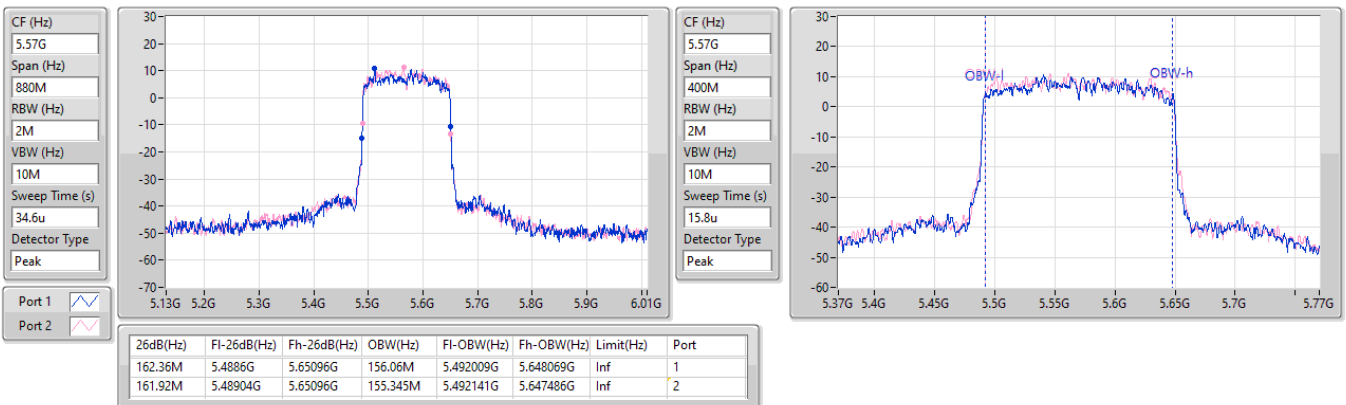


5.47-5.725GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

EBW

5570MHz

15/08/2023



**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        | 19.635M          | 16.413M         | 16M4D1D  | 18.975M          | 16.34M          |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 20.79M           | 18.899M         | 18M9D1D  | 20.24M           | 18.845M         |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 39.6M            | 37.738M         | 37M7D1D  | 39.27M           | 37.524M         |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 80.74M           | 77.104M         | 77M1D1D  | 80.3M            | 77.043M         |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | 80.72M           | 77.247M         | 77M2D1D  | 80.48M           | 77.077M         |
| 5.25-5.35GHz                    | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 19.25M           | 16.409M         | 16M4D1D  | 18.26M           | 16.325M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 21.67M           | 18.926M         | 18M9D1D  | 19.91M           | 18.811M         |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 39.49M           | 37.766M         | 37M8D1D  | 39.05M           | 37.575M         |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 80.08M           | 76.987M         | 77M0D1D  | 80.08M           | 76.904M         |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | 80M              | 77.316M         | 77M3D1D  | 79.92M           | 77.244M         |
| 5.47-5.725GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 20.02M           | 16.456M         | 16M5D1D  | 14.91M           | 13.163M         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 20.57M           | 18.893M         | 18M9D1D  | 15.045M          | 14.384M         |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 39.82M           | 37.713M         | 37M7D1D  | 34.58M           | 33.566M         |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 82.06M           | 77.578M         | 77M6D1D  | 75.15M           | 73.017M         |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | 161.92M          | 155.012M        | 155MD1D  | 161.92M          | 154.836M        |
| 5.725-5.85GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 16.39M           | 29.63M          | 29M6D1D  | 3.18M            | 3.484M          |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 19.085M          | 28.781M         | 28M8D1D  | 4.5M             | 4.535M          |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 38.06M           | 38.542M         | 38M5D1D  | 4.06M            | 4.072M          |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 78.1M            | 77.197M         | 77M2D1D  | 4.06M            | 4.1M            |

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

**Result**

| Mode                            | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) |
|---------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -          | -                | -               | -                | -               |
| 5180MHz                         | Pass   | Inf        | 19.14M           | 16.413M         | 19.03M           | 16.409M         |
| 5200MHz                         | Pass   | Inf        | 18.975M          | 16.34M          | 19.635M          | 16.342M         |
| 5240MHz                         | Pass   | Inf        | 19.635M          | 16.379M         | 19.36M           | 16.387M         |
| 5260MHz                         | Pass   | Inf        | 19.25M           | 16.325M         | 18.92M           | 16.331M         |
| 5300MHz                         | Pass   | Inf        | 19.03M           | 16.328M         | 18.7M            | 16.409M         |
| 5320MHz                         | Pass   | Inf        | 19.195M          | 16.396M         | 18.26M           | 16.361M         |
| 5500MHz                         | Pass   | Inf        | 19.305M          | 16.36M          | 19.36M           | 16.318M         |
| 5580MHz                         | Pass   | Inf        | 19.69M           | 16.349M         | 19.965M          | 16.393M         |
| 5700MHz                         | Pass   | Inf        | 18.92M           | 16.456M         | 20.02M           | 16.396M         |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf        | 15.015M          | 13.163M         | 14.91M           | 13.169M         |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k       | 3.24M            | 3.487M          | 3.18M            | 3.484M          |
| 5745MHz                         | Pass   | 500k       | 16.39M           | 27.383M         | 16.39M           | 17.344M         |
| 5785MHz                         | Pass   | 500k       | 16.39M           | 27.013M         | 16.39M           | 21.74M          |
| 5825MHz                         | Pass   | 500k       | 16.39M           | 29.037M         | 15.125M          | 29.63M          |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | -      | -          | -                | -               | -                | -               |
| 5180MHz                         | Pass   | Inf        | 20.35M           | 18.874M         | 20.68M           | 18.896M         |
| 5200MHz                         | Pass   | Inf        | 20.24M           | 18.845M         | 20.79M           | 18.877M         |
| 5240MHz                         | Pass   | Inf        | 20.24M           | 18.899M         | 20.295M          | 18.889M         |
| 5260MHz                         | Pass   | Inf        | 20.02M           | 18.925M         | 20.295M          | 18.811M         |
| 5300MHz                         | Pass   | Inf        | 20.625M          | 18.866M         | 19.91M           | 18.89M          |
| 5320MHz                         | Pass   | Inf        | 21.67M           | 18.862M         | 21.175M          | 18.926M         |
| 5500MHz                         | Pass   | Inf        | 20.02M           | 18.798M         | 20.46M           | 18.893M         |
| 5580MHz                         | Pass   | Inf        | 20.515M          | 18.855M         | 20.24M           | 18.856M         |
| 5700MHz                         | Pass   | Inf        | 20.24M           | 18.799M         | 20.57M           | 18.88M          |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | Inf        | 15.075M          | 14.384M         | 15.045M          | 14.418M         |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 500k       | 4.5M             | 4.566M          | 4.52M            | 4.535M          |
| 5745MHz                         | Pass   | 500k       | 19.03M           | 26.308M         | 19.03M           | 19.68M          |
| 5785MHz                         | Pass   | 500k       | 18.975M          | 26.186M         | 19.085M          | 20.87M          |
| 5825MHz                         | Pass   | 500k       | 19.085M          | 27.691M         | 19.085M          | 28.781M         |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | -      | -          | -                | -               | -                | -               |
| 5190MHz                         | Pass   | Inf        | 39.6M            | 37.593M         | 39.38M           | 37.524M         |
| 5230MHz                         | Pass   | Inf        | 39.27M           | 37.738M         | 39.38M           | 37.539M         |
| 5270MHz                         | Pass   | Inf        | 39.16M           | 37.576M         | 39.05M           | 37.766M         |
| 5310MHz                         | Pass   | Inf        | 39.27M           | 37.582M         | 39.49M           | 37.575M         |
| 5510MHz                         | Pass   | Inf        | 39.71M           | 37.558M         | 39.38M           | 37.713M         |
| 5550MHz                         | Pass   | Inf        | 39.05M           | 37.596M         | 39.27M           | 37.635M         |
| 5670MHz                         | Pass   | Inf        | 39.05M           | 37.614M         | 39.82M           | 37.524M         |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | Inf        | 34.58M           | 33.819M         | 34.755M          | 33.566M         |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 500k       | 4.14M            | 4.072M          | 4.06M            | 4.09M           |
| 5755MHz                         | Pass   | 500k       | 38.06M           | 37.706M         | 38.06M           | 38.016M         |
| 5795MHz                         | Pass   | 500k       | 38.06M           | 38.111M         | 38.06M           | 38.542M         |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | -      | -          | -                | -               | -                | -               |
| 5210MHz                         | Pass   | Inf        | 80.74M           | 77.104M         | 80.3M            | 77.043M         |
| 5290MHz                         | Pass   | Inf        | 80.08M           | 76.904M         | 80.08M           | 76.987M         |
| 5530MHz                         | Pass   | Inf        | 80.52M           | 77.578M         | 80.08M           | 76.857M         |
| 5610MHz                         | Pass   | Inf        | 82.06M           | 77.142M         | 81.4M            | 77.132M         |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | Inf        | 75.225M          | 73.017M         | 75.15M           | 73.101M         |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 500k       | 4.06M            | 4.1M            | 4.16M            | 4.11M           |
| 5775MHz                         | Pass   | 500k       | 78.1M            | 77.197M         | 77.88M           | 76.682M         |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | -      | -          | -                | -               | -                | -               |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | Inf        | 80.72M           | 77.247M         | 80.48M           | 77.077M         |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | Inf        | 80M              | 77.244M         | 79.92M           | 77.316M         |
| 5570MHz                         | Pass   | Inf        | 161.92M          | 155.012M        | 161.92M          | 154.836M        |

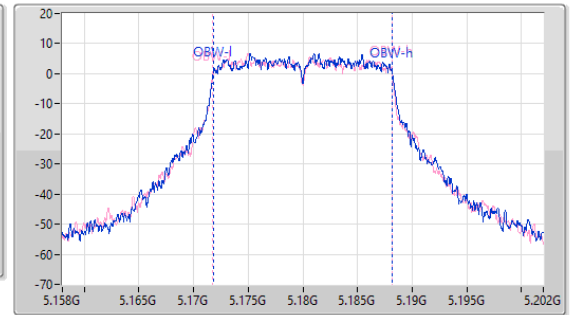
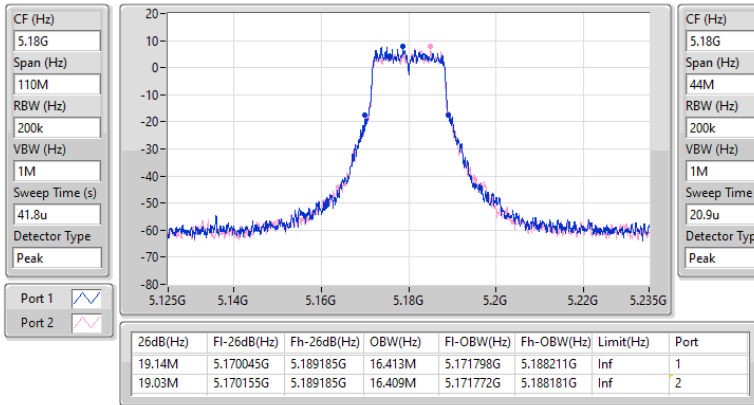
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5180MHz

16/08/2023

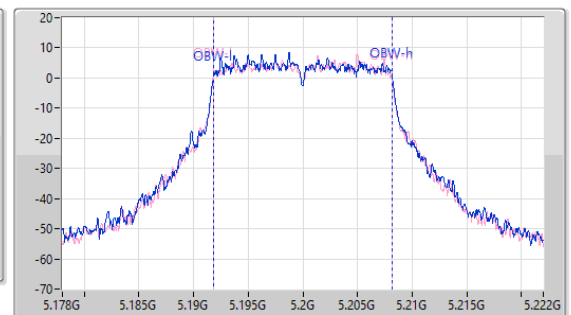
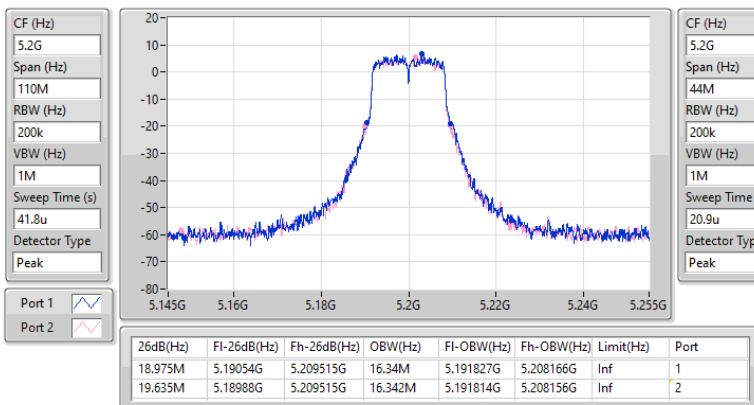


5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5200MHz

16/08/2023

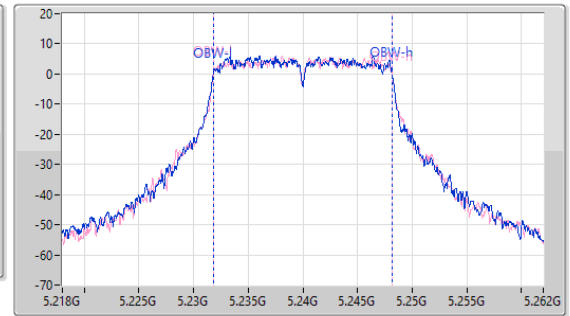
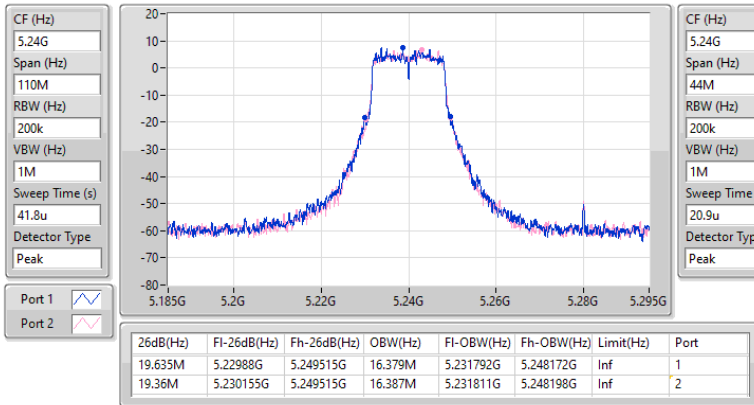


## 5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5240MHz

16/08/2023

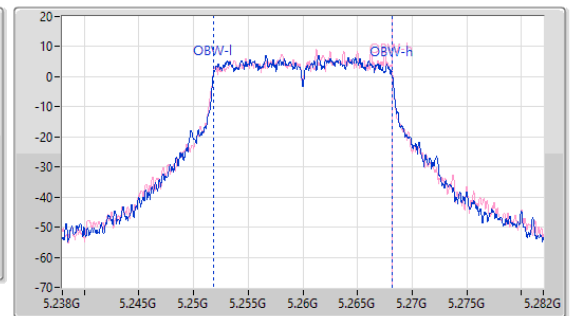
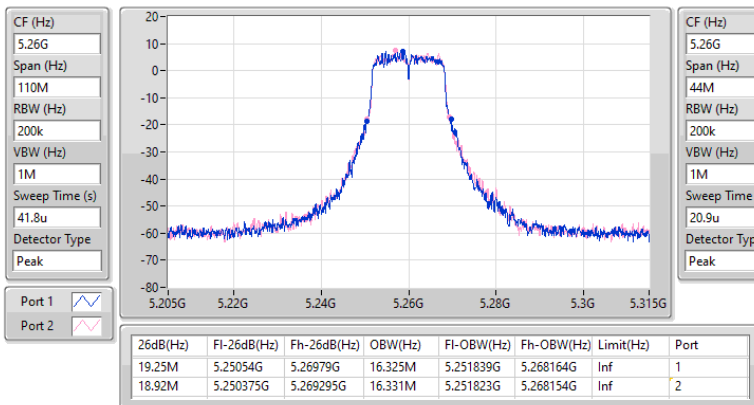


## 5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5260MHz

16/08/2023

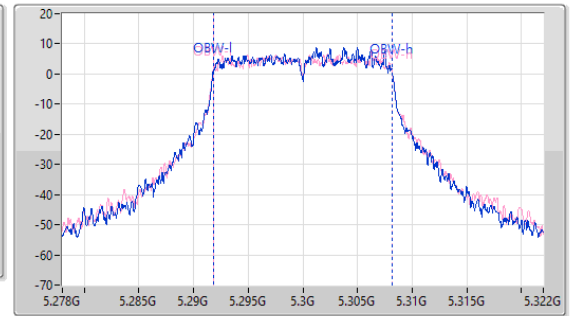
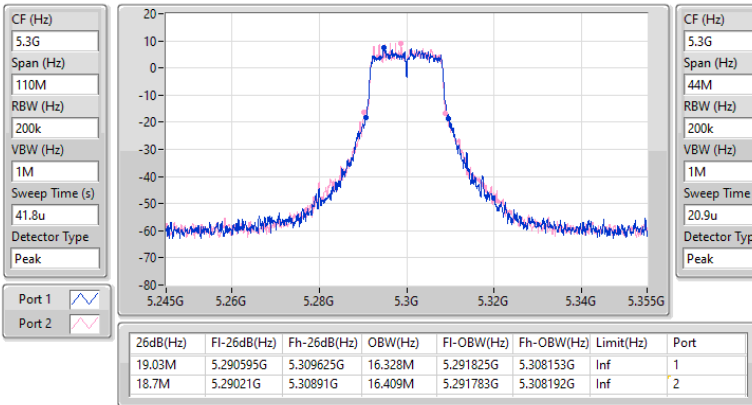


5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5300MHz

16/08/2023

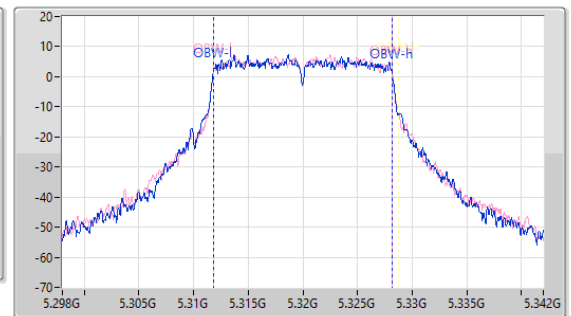
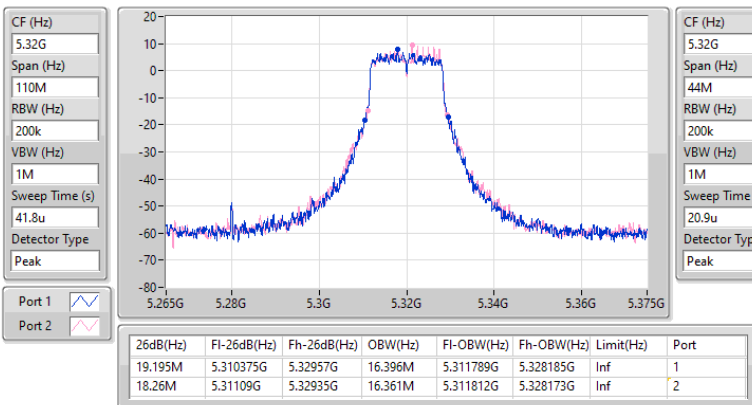


5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5320MHz

16/08/2023

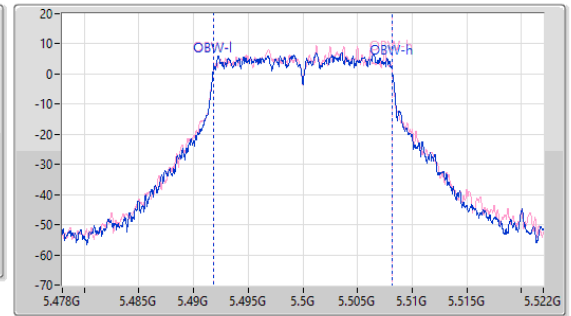
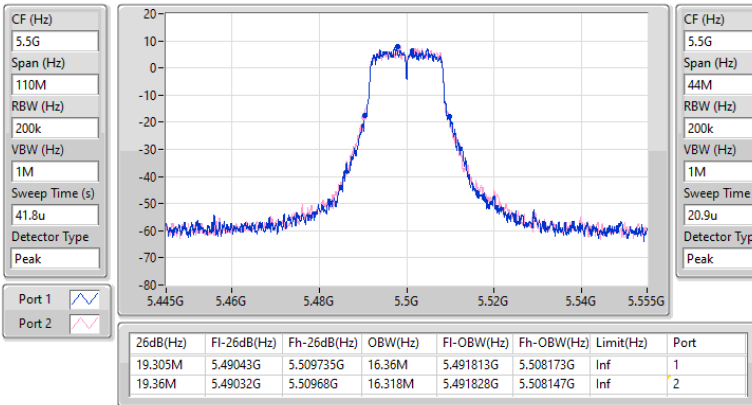


5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5500MHz

16/08/2023

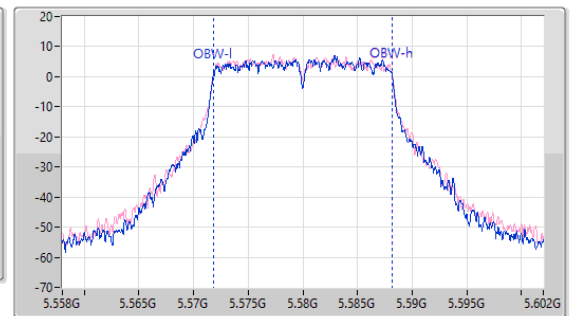
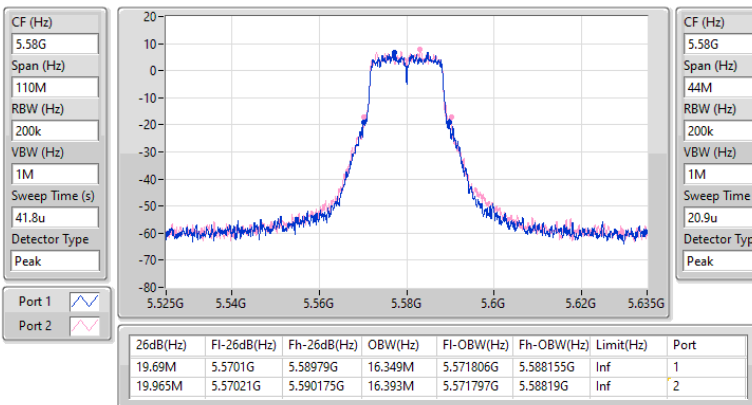


5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5580MHz

16/08/2023

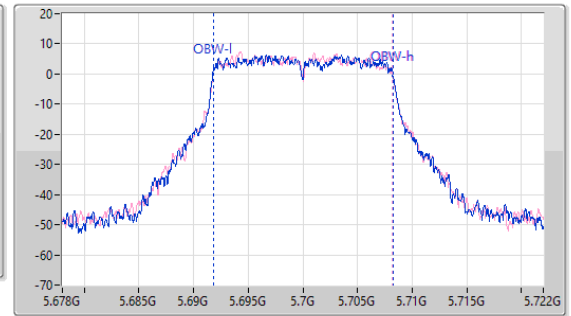
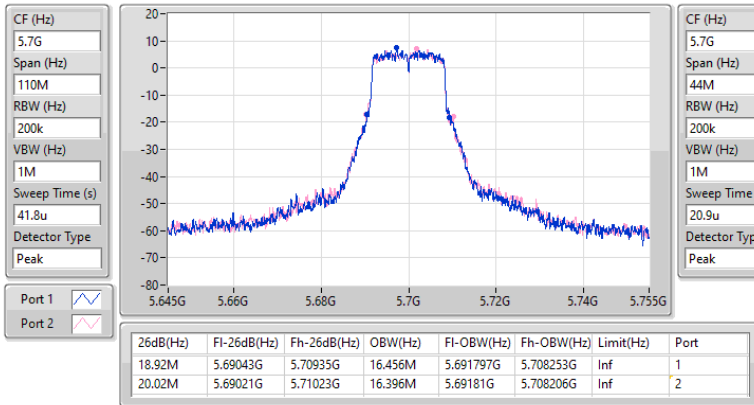


5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5700MHz

16/08/2023

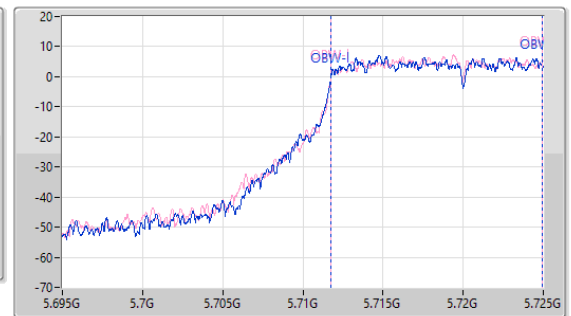
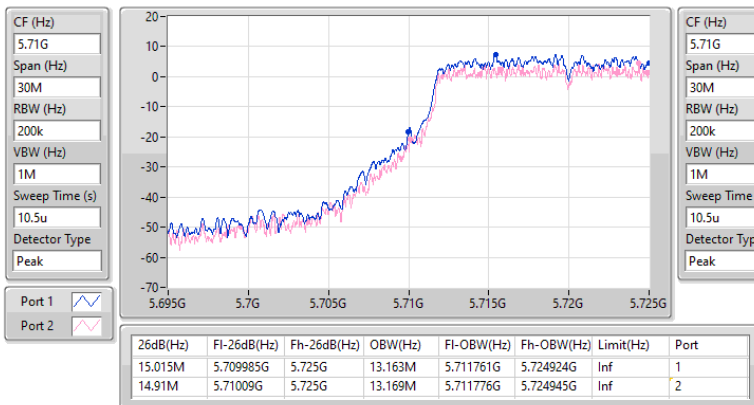


5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

16/08/2023

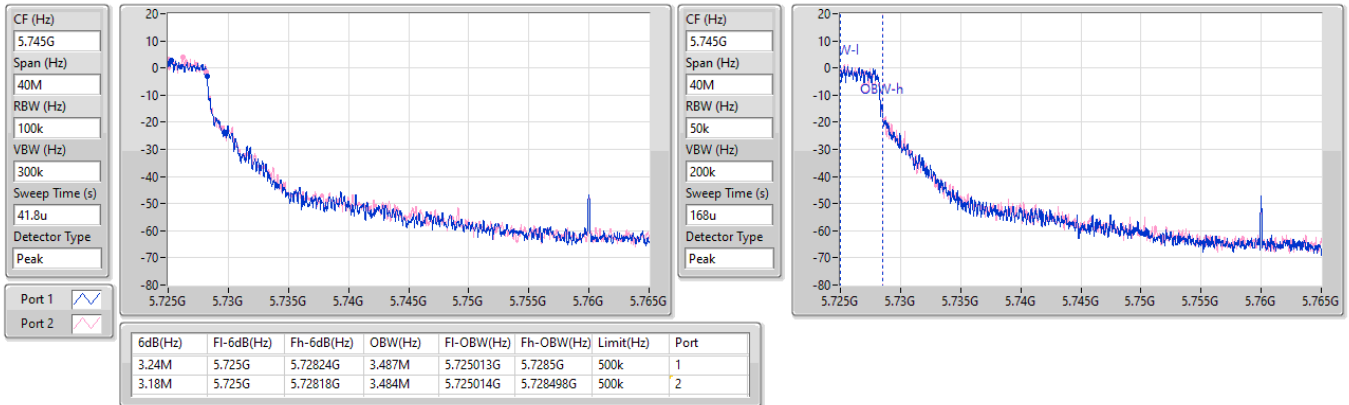


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

16/08/2023

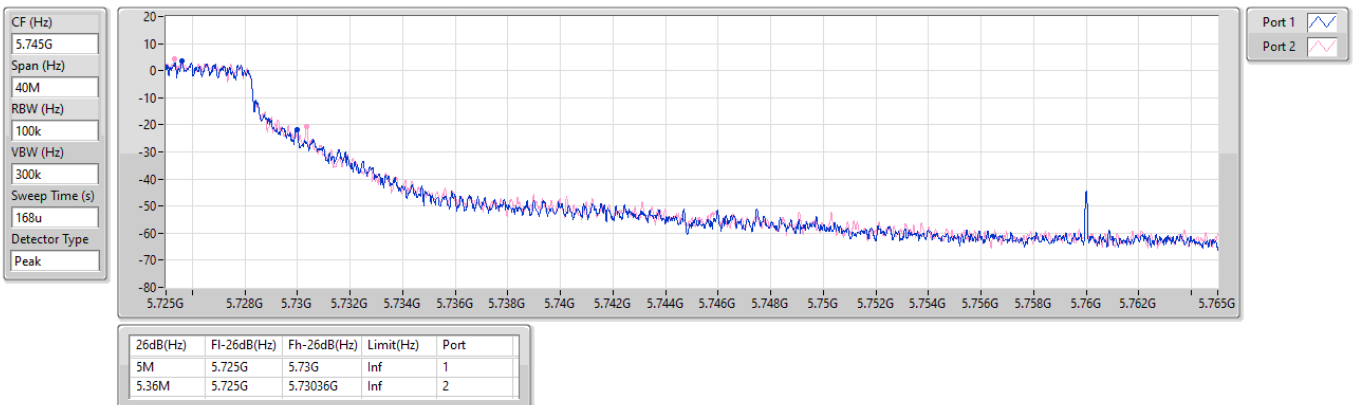


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

16/08/2023

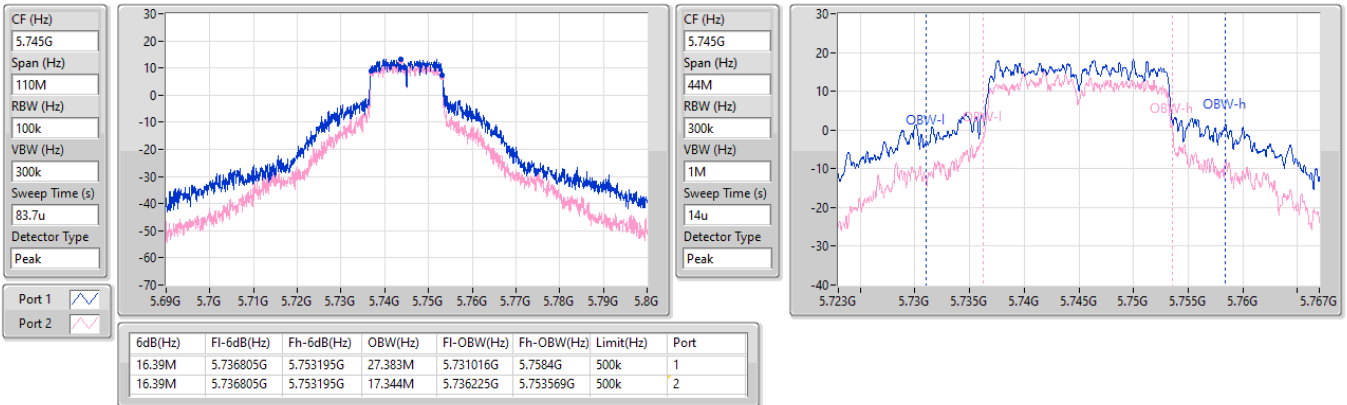


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5745MHz

16/08/2023

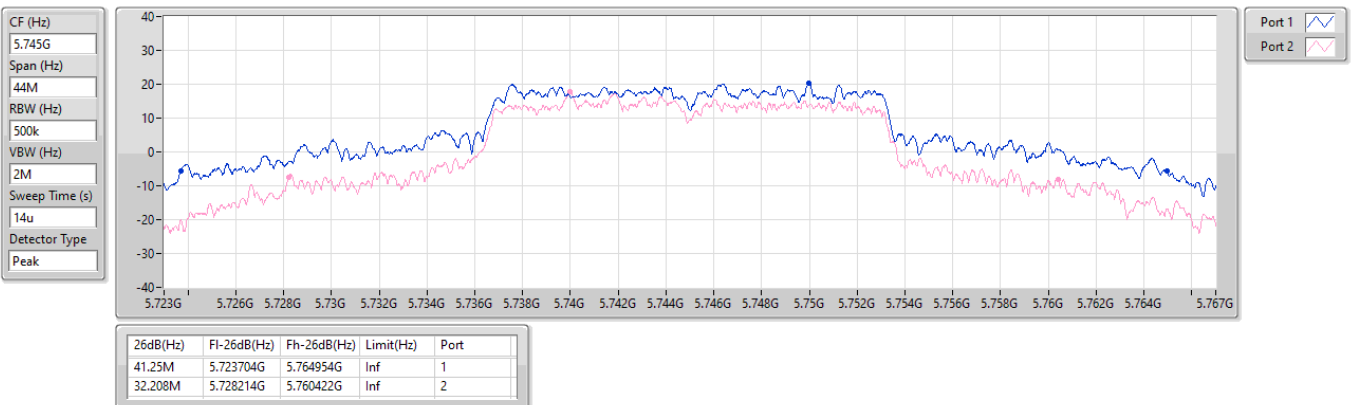


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5745MHz

16/08/2023

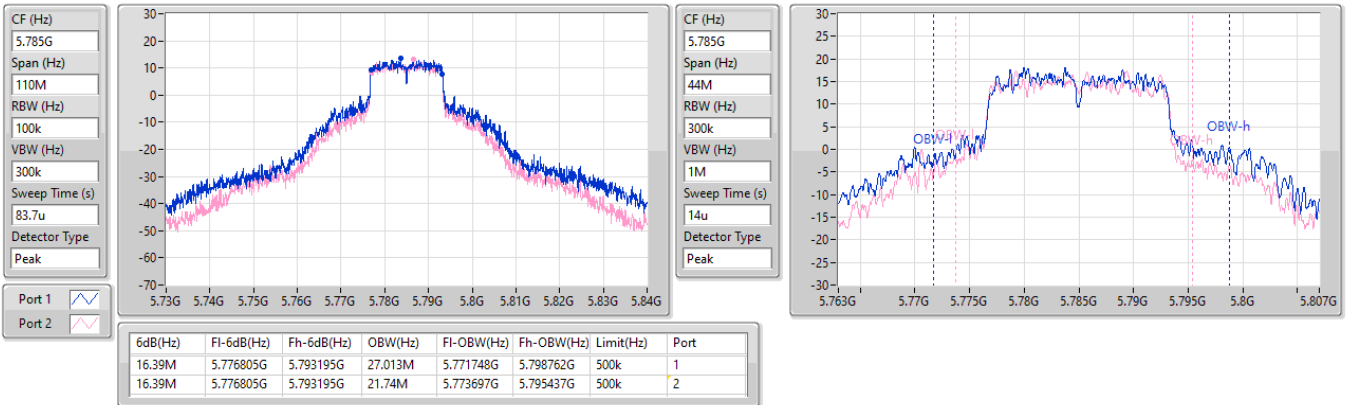


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5785MHz

16/08/2023

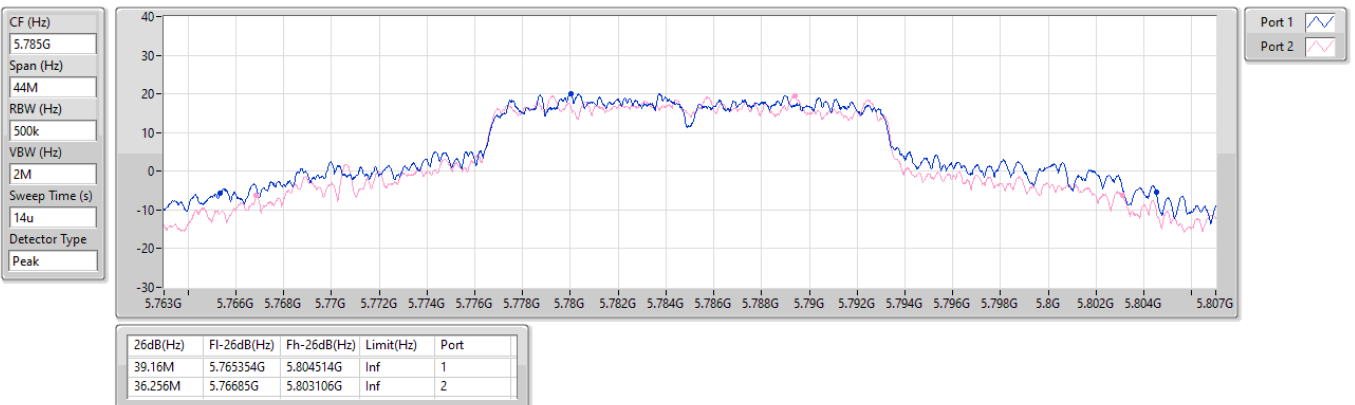


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5785MHz

16/08/2023

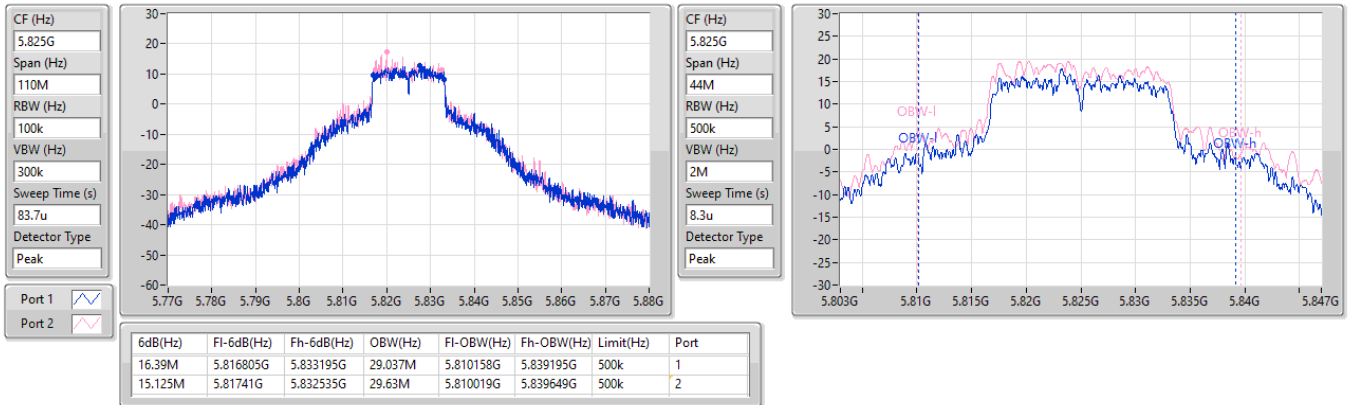


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5825MHz

16/08/2023

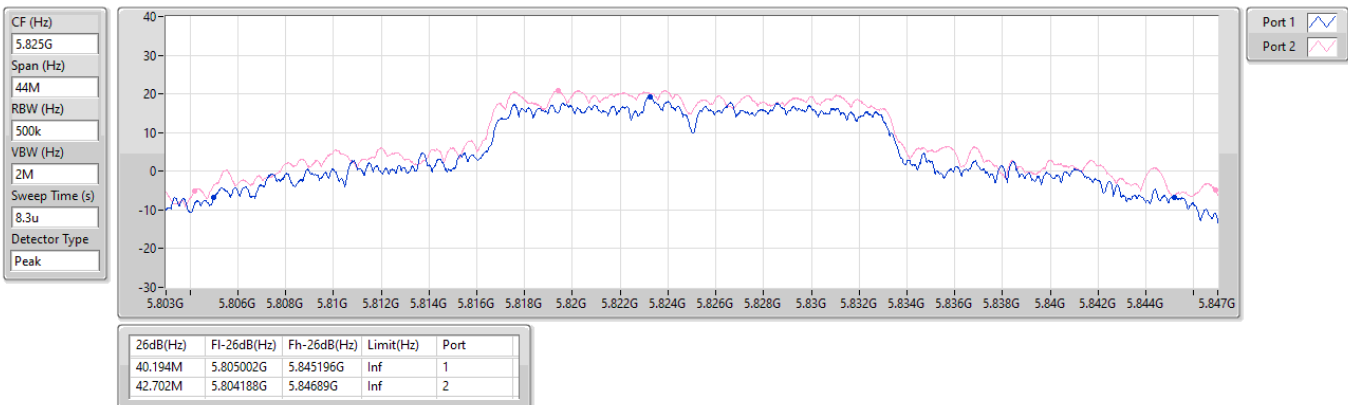


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

EBW

5825MHz

16/08/2023

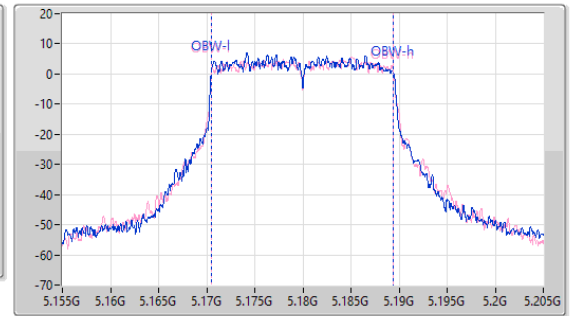
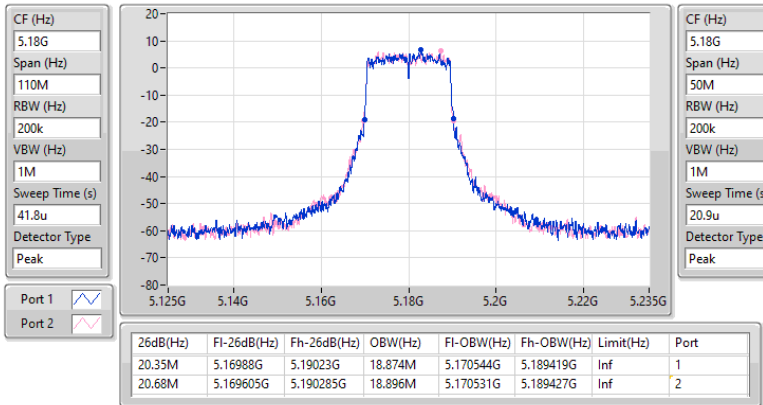


5.15-5.25GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

EBW

5180MHz

16/08/2023

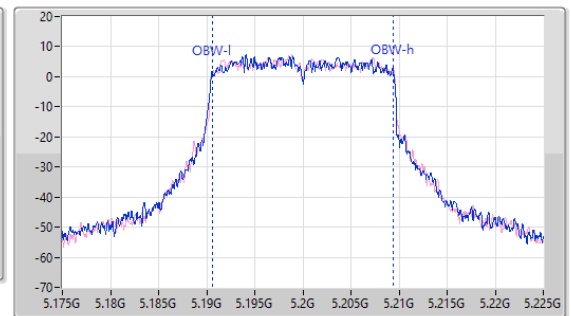
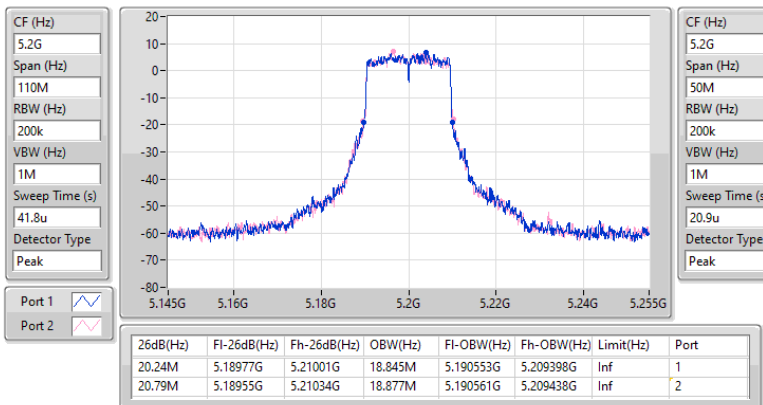


5.15-5.25GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

EBW

5200MHz

16/08/2023

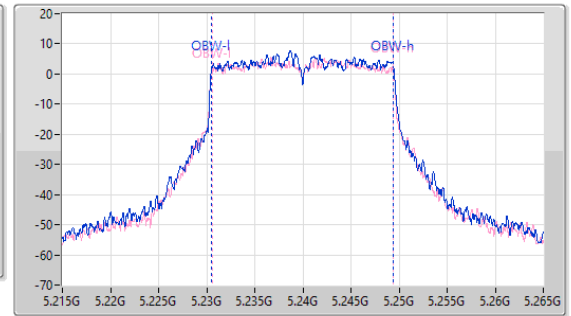
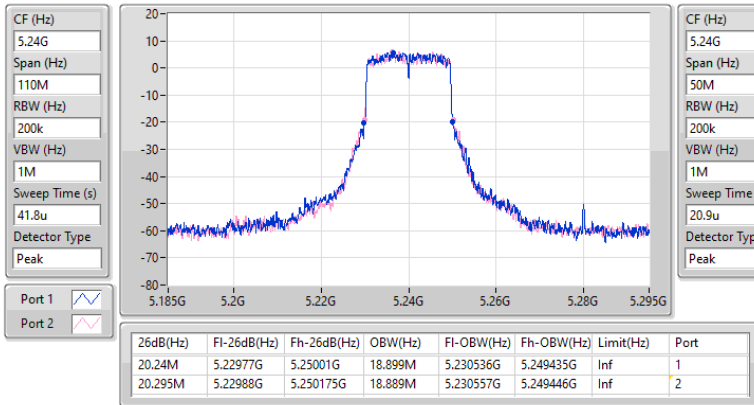


## 5.15-5.25GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5240MHz

16/08/2023

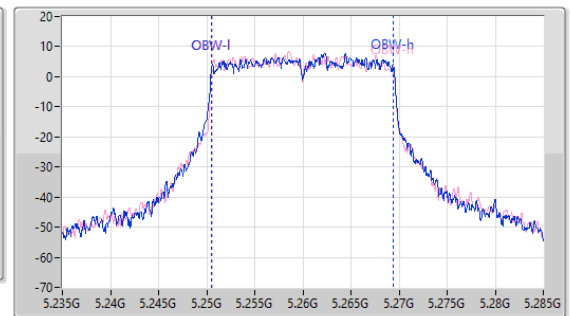
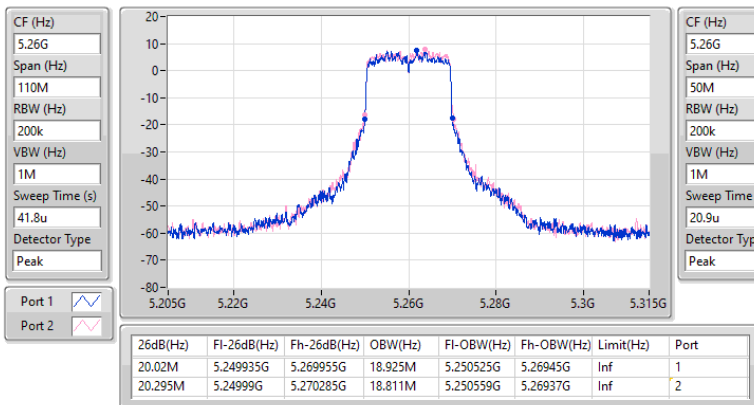


## 5.25-5.35GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5260MHz

16/08/2023

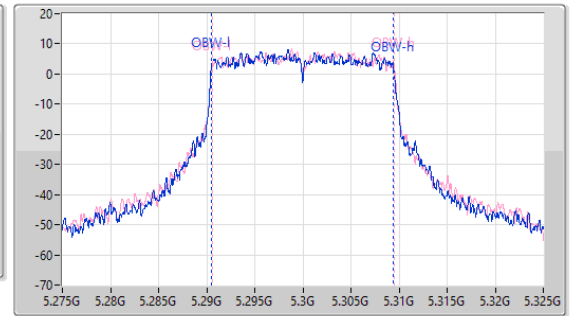
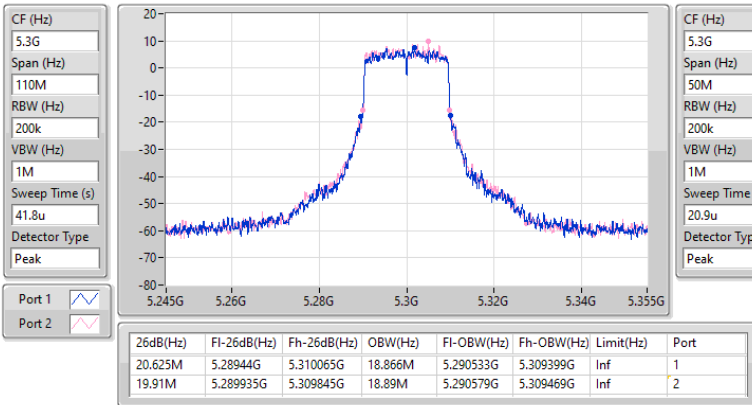


5.25-5.35GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

EBW

5300MHz

16/08/2023

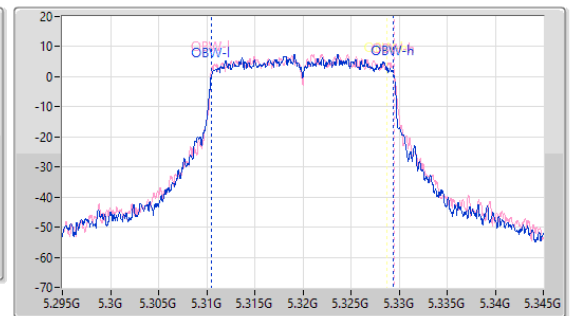
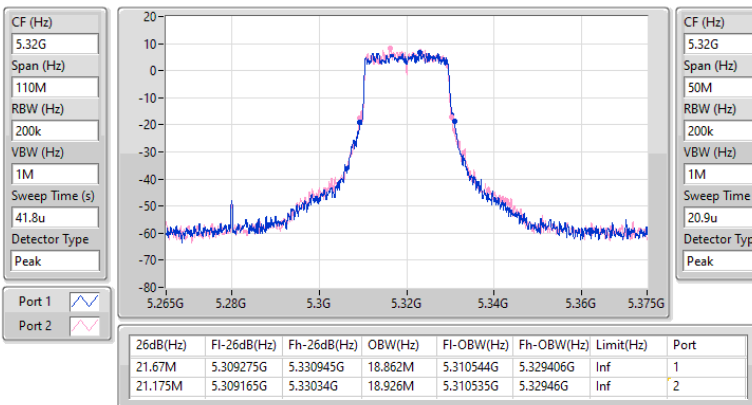


5.25-5.35GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

EBW

5320MHz

16/08/2023

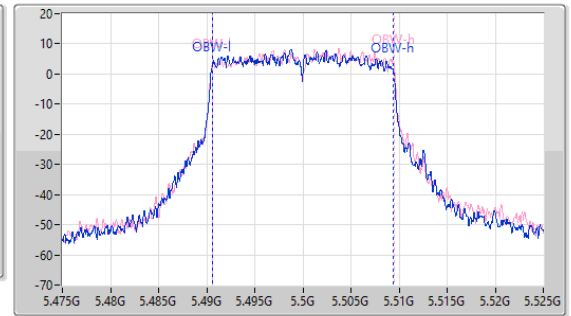
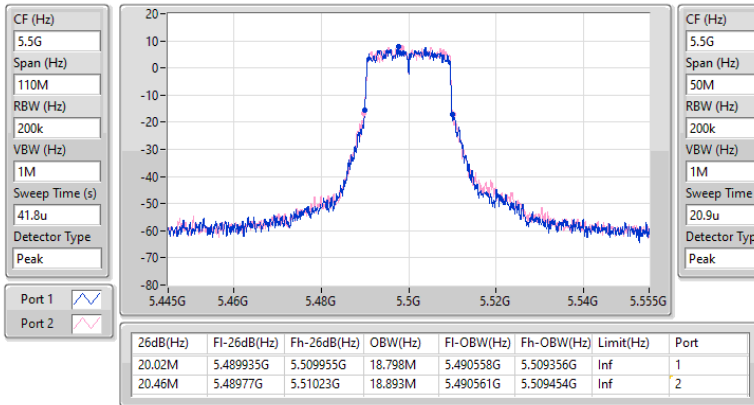


5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5500MHz

16/08/2023

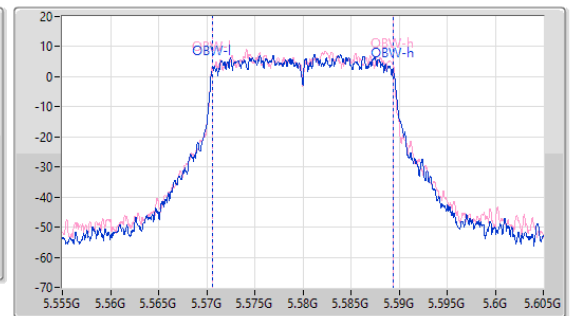
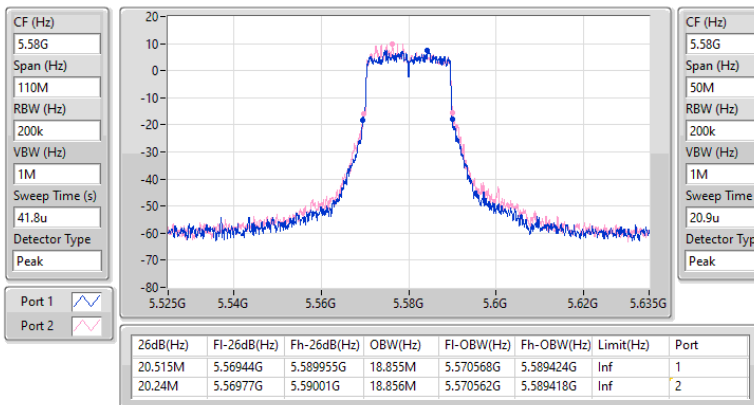


5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5580MHz

16/08/2023

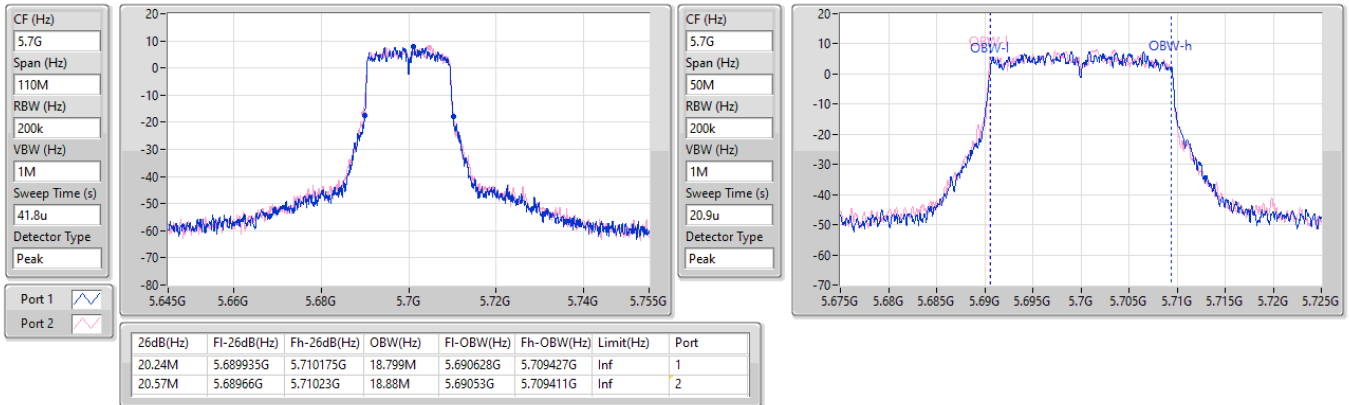


5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5700MHz

16/08/2023

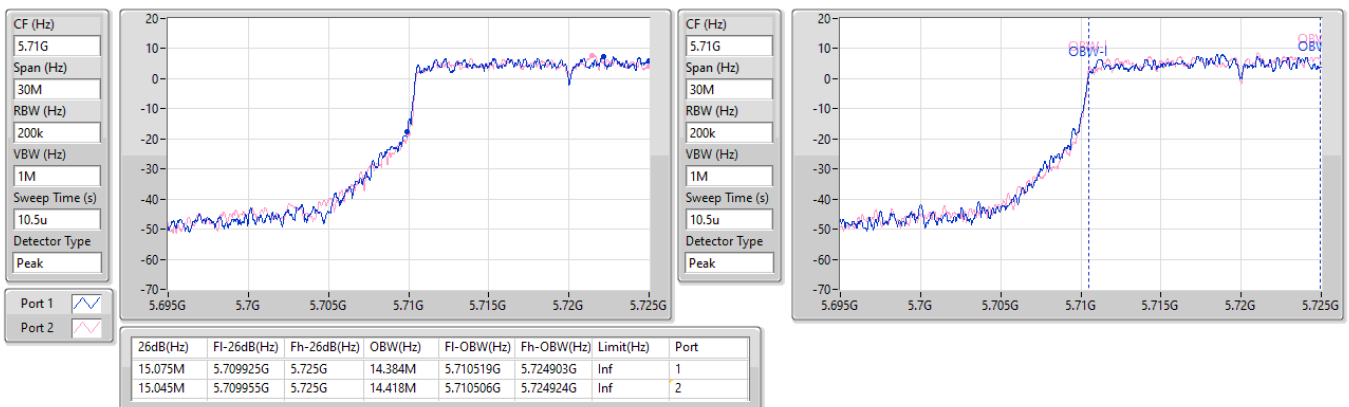


5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

16/08/2023

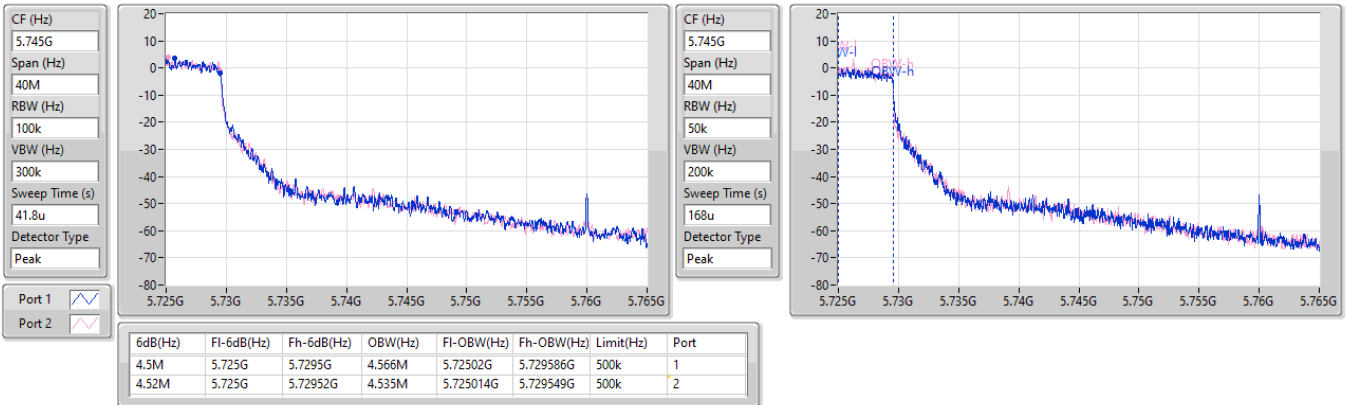


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

16/08/2023

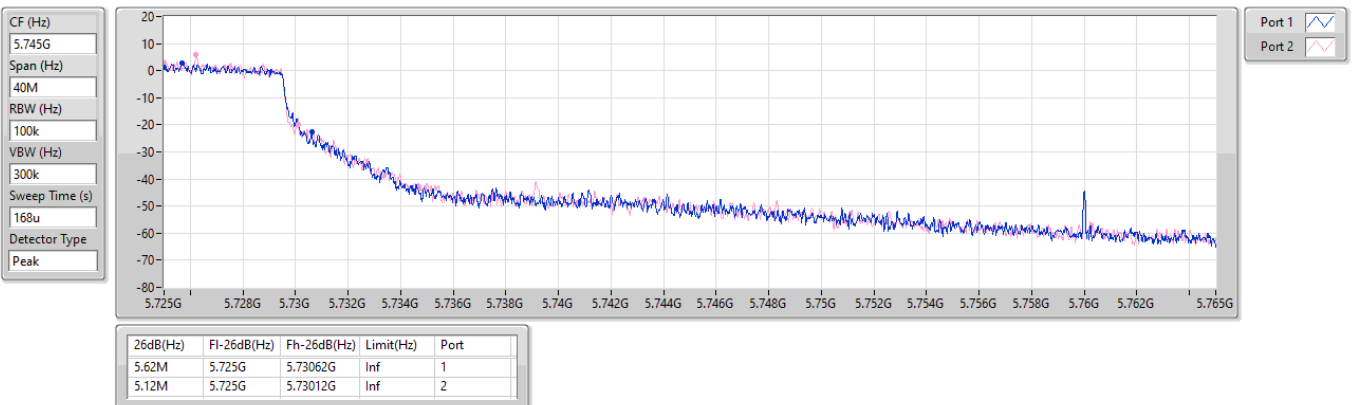


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

16/08/2023

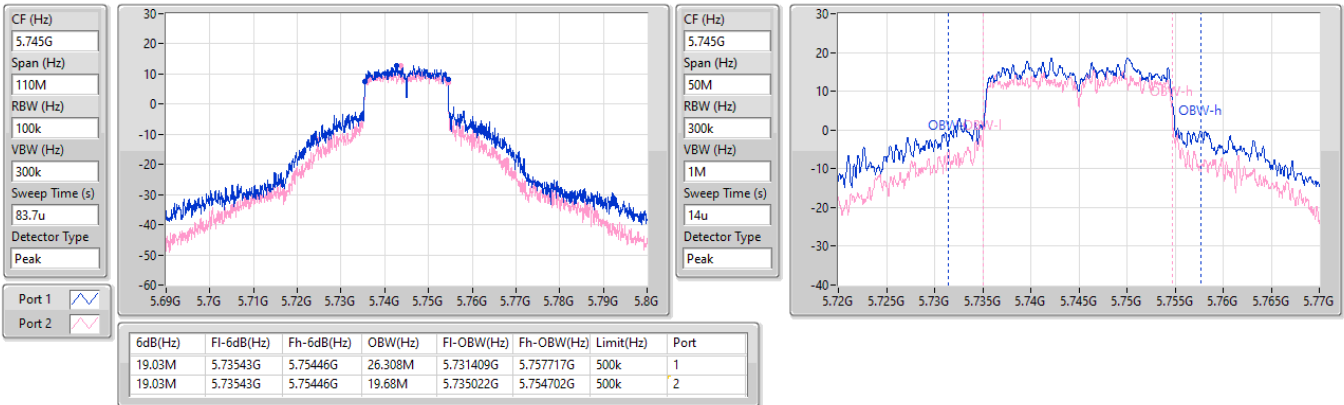


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5745MHz

16/08/2023

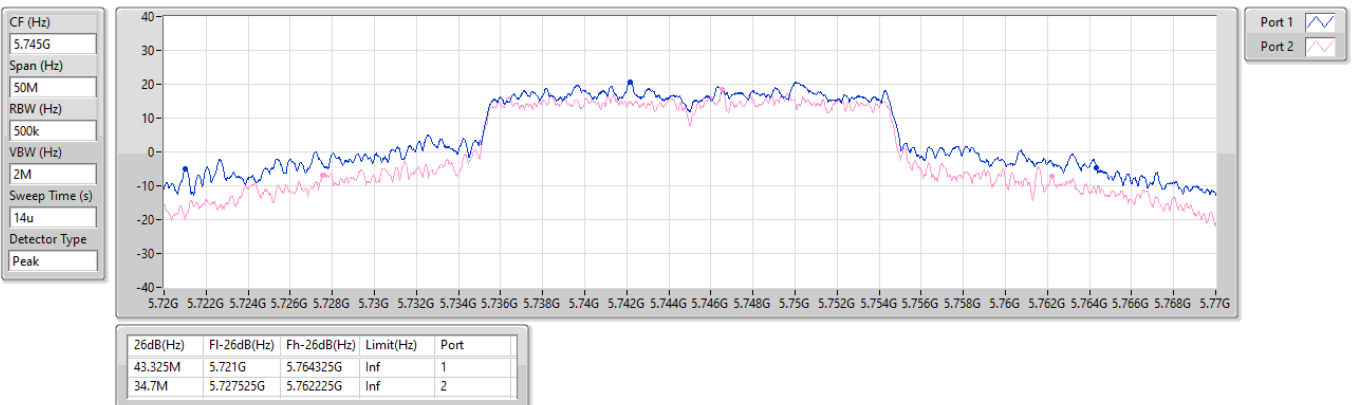


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5745MHz

16/08/2023

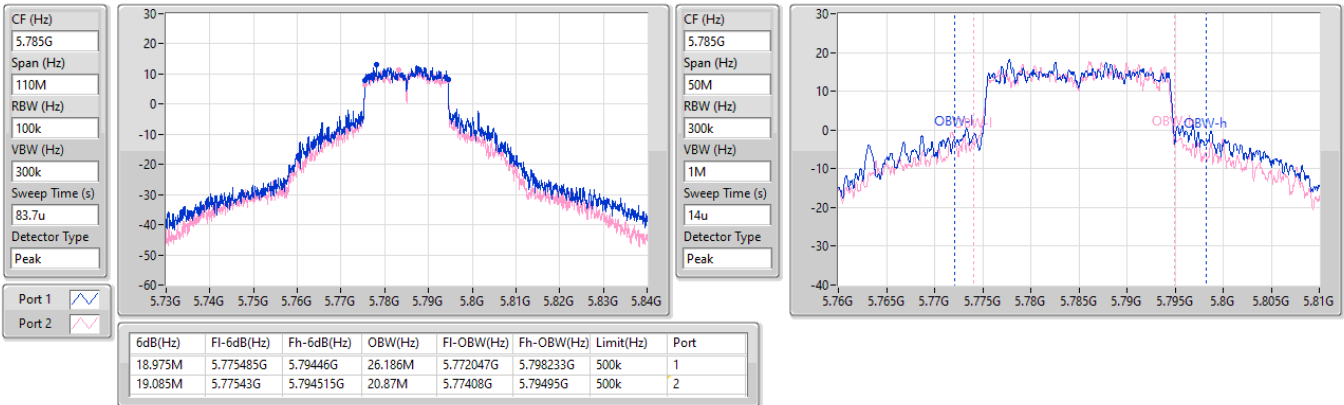


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5785MHz

16/08/2023

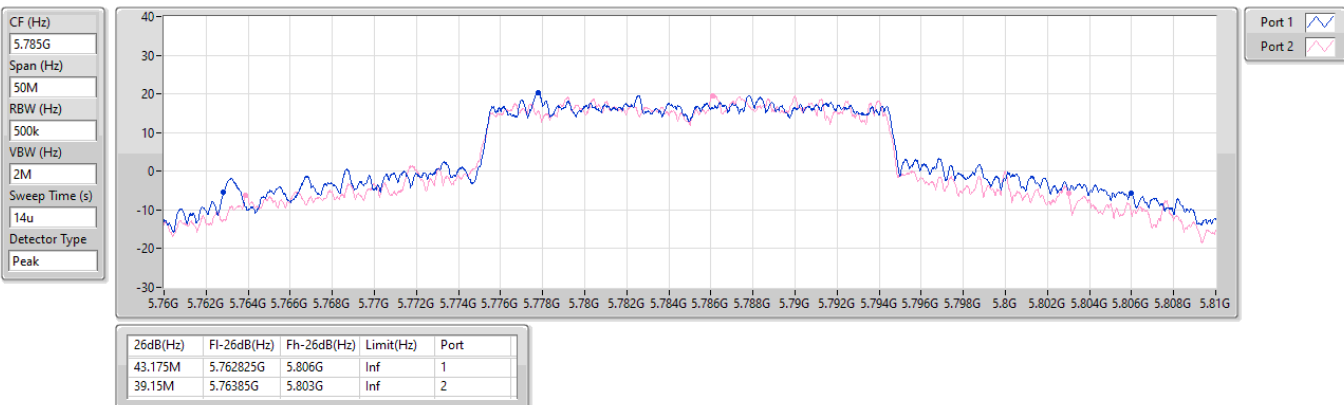


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5785MHz

16/08/2023

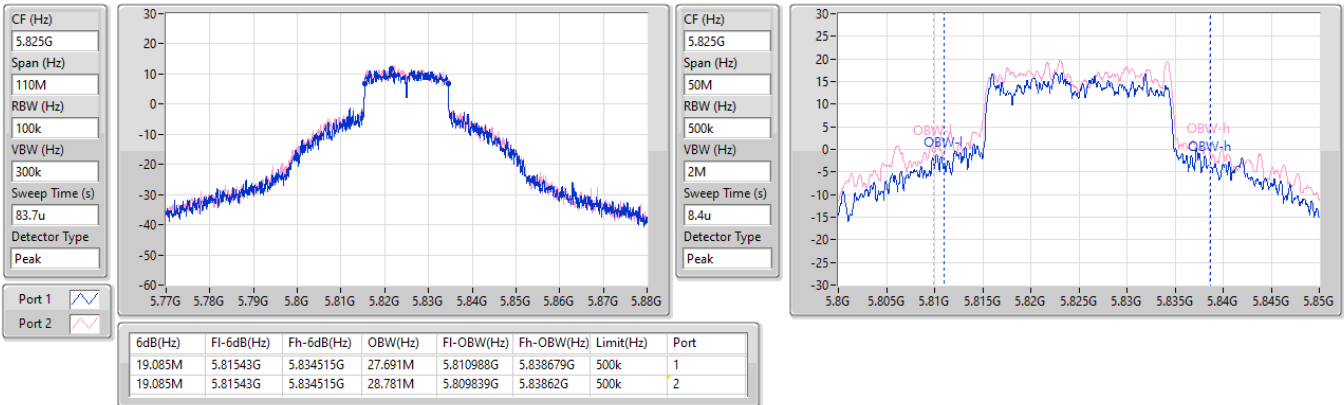


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5825MHz

16/08/2023



5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5825MHz

16/08/2023

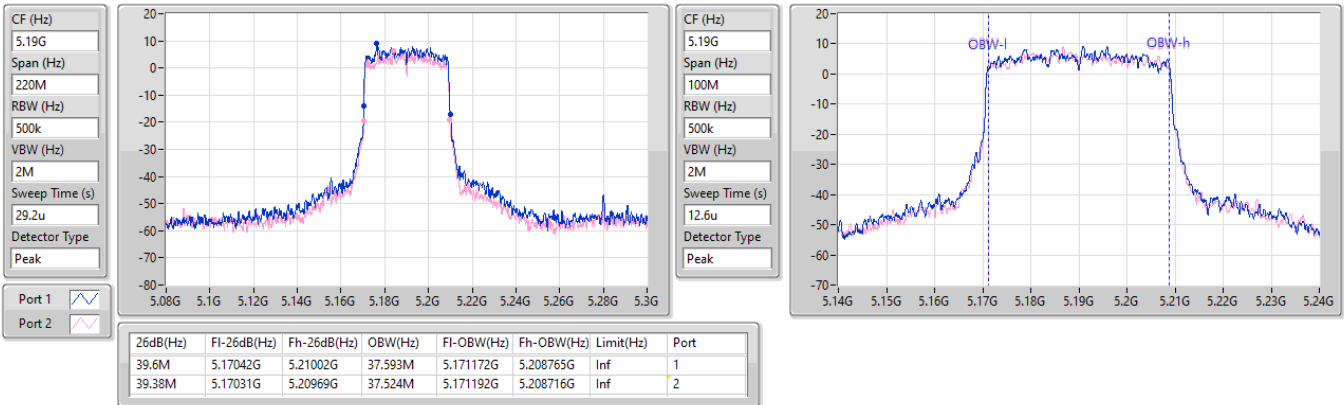


5.15-5.25GHz\_802.11ax\_HEW40\_Nss1,(MCS0)\_2TX

EBW

5190MHz

16/08/2023

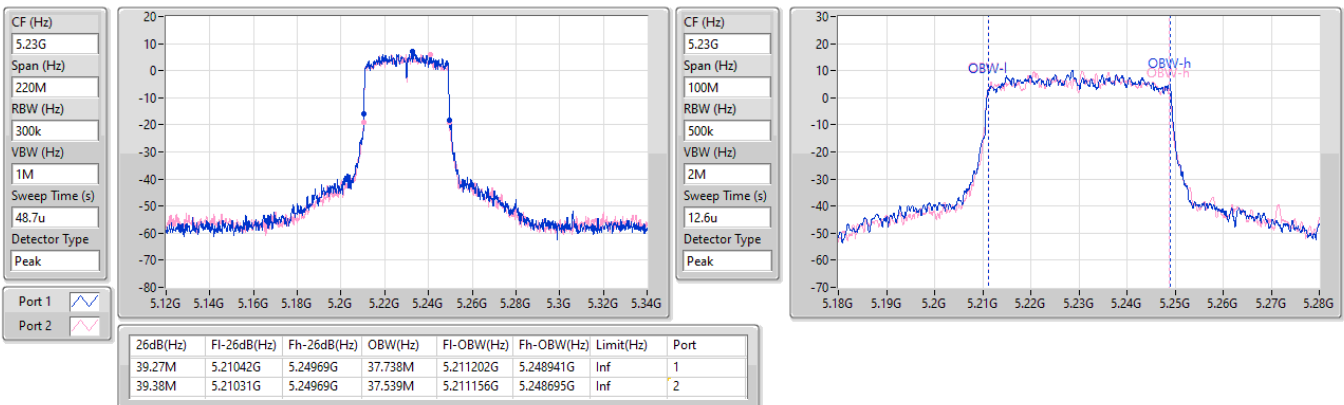


5.15-5.25GHz\_802.11ax\_HEW40\_Nss1,(MCS0)\_2TX

EBW

5230MHz

16/08/2023

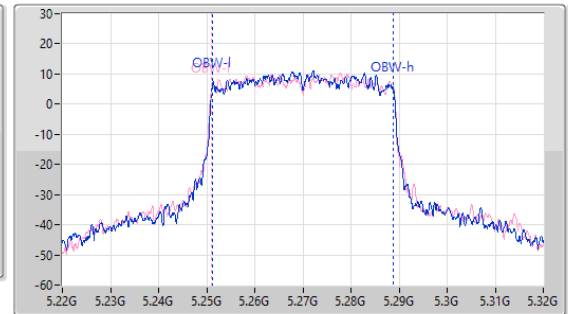
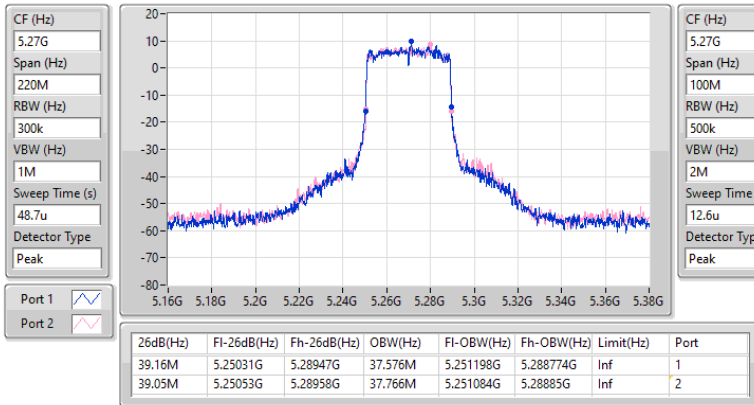


5.25-5.35GHz\_802.11ax\_HEW40\_Nss1,(MCS0)\_2TX

EBW

5270MHz

16/08/2023

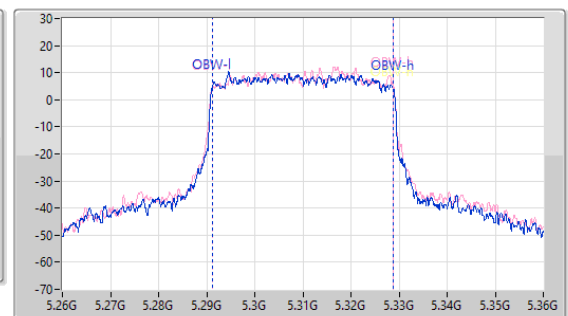
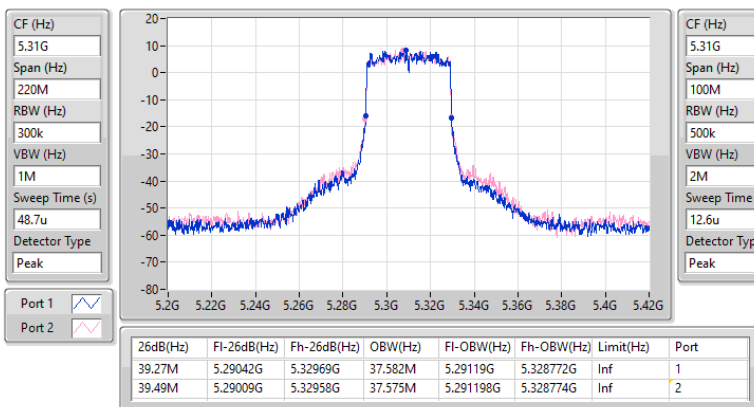


5.25-5.35GHz\_802.11ax\_HEW40\_Nss1,(MCS0)\_2TX

EBW

5310MHz

16/08/2023

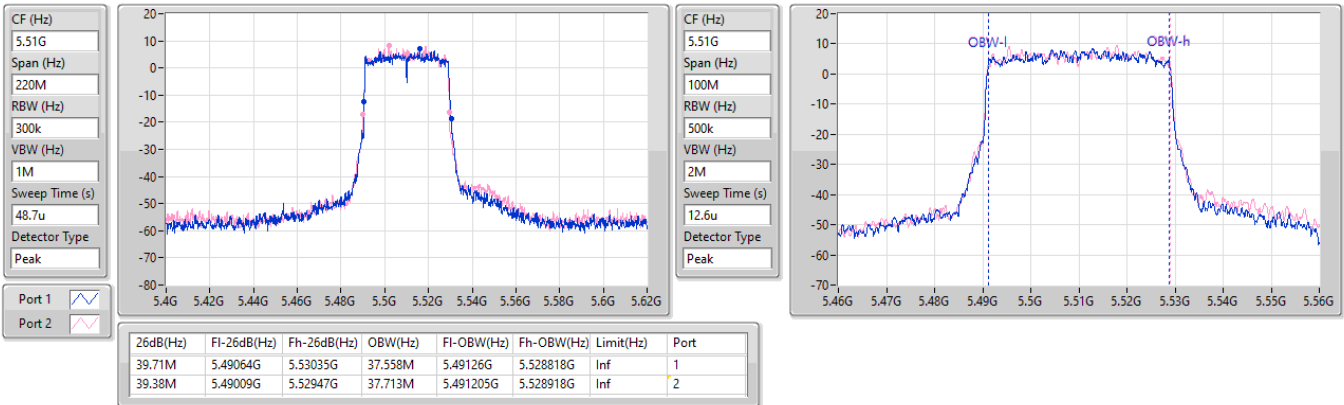


5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5510MHz

16/08/2023

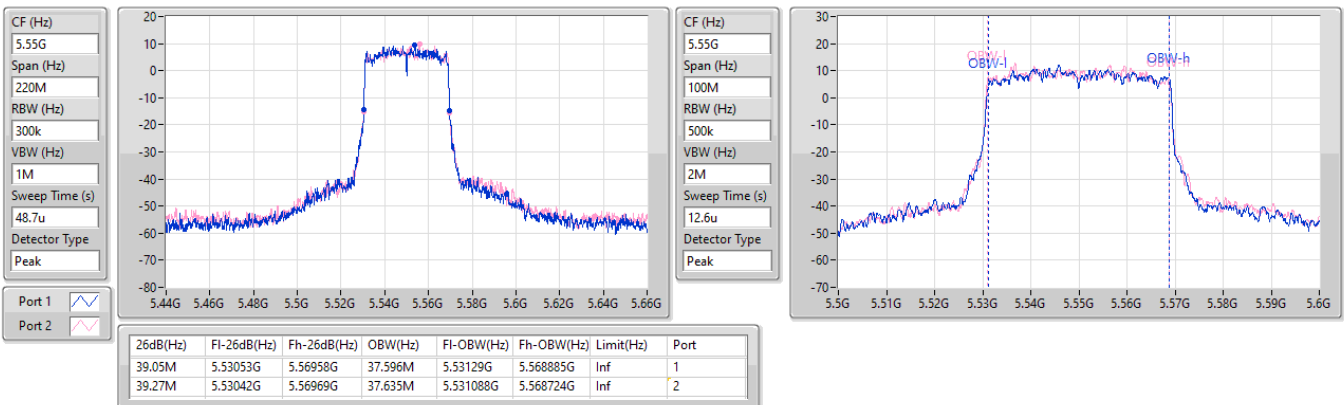


5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5550MHz

16/08/2023

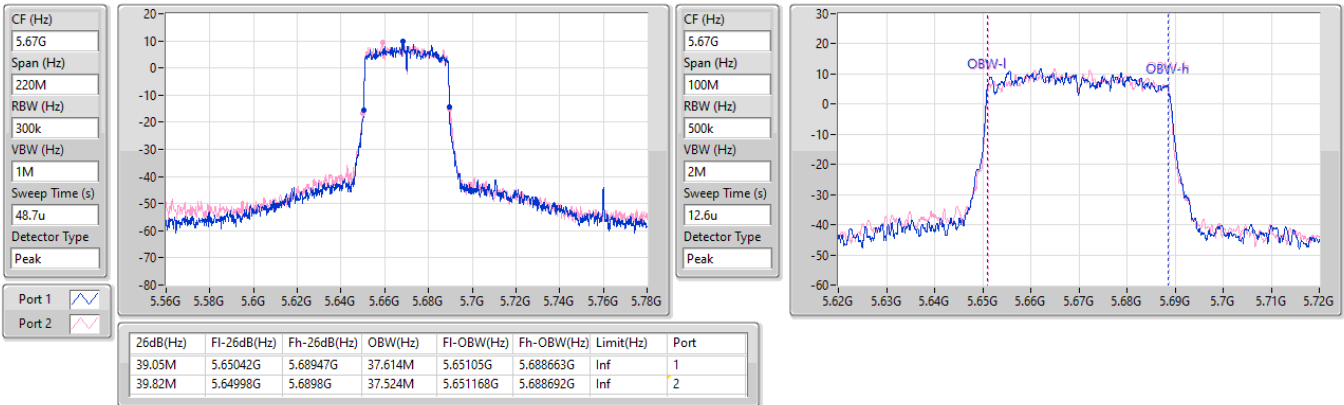


5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5670MHz

16/08/2023

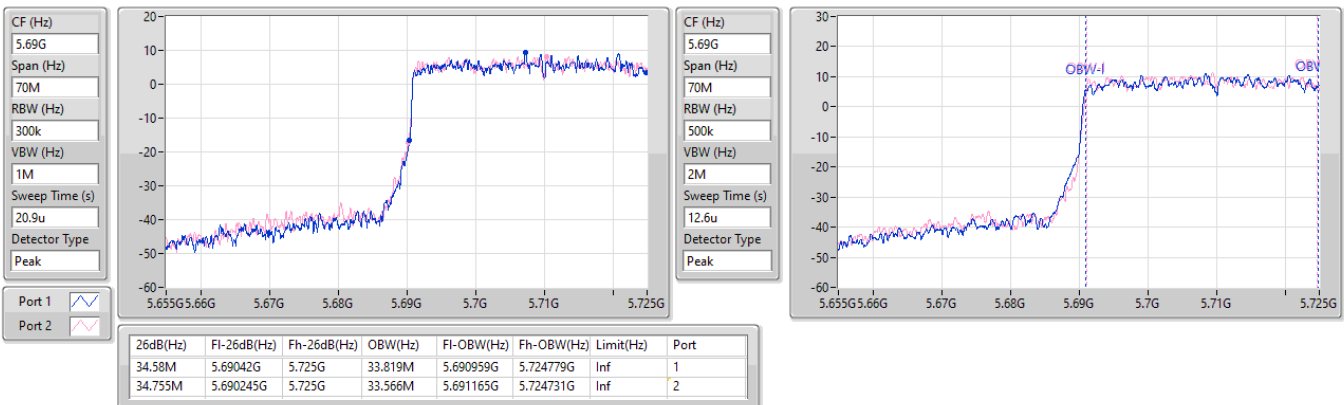


5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

16/08/2023

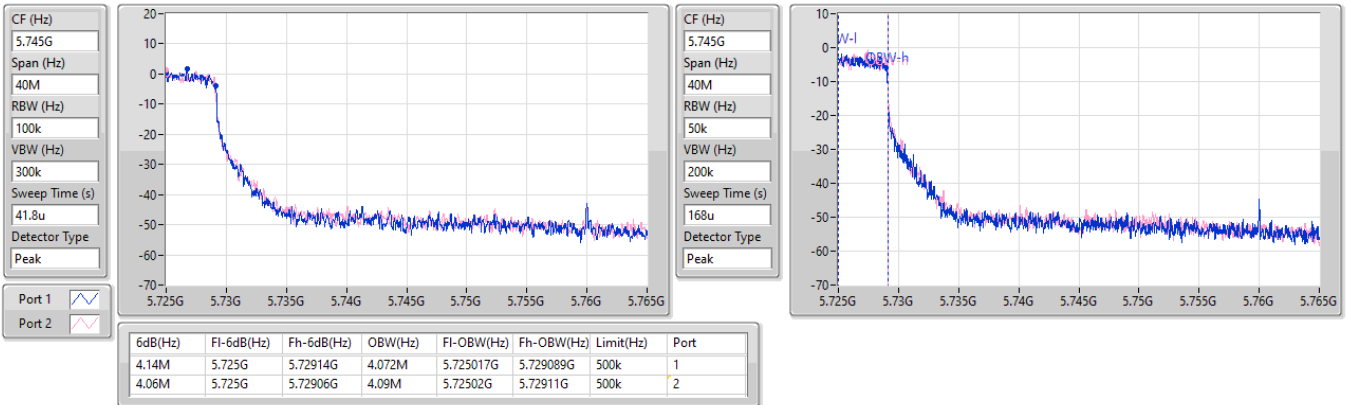


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

16/08/2023

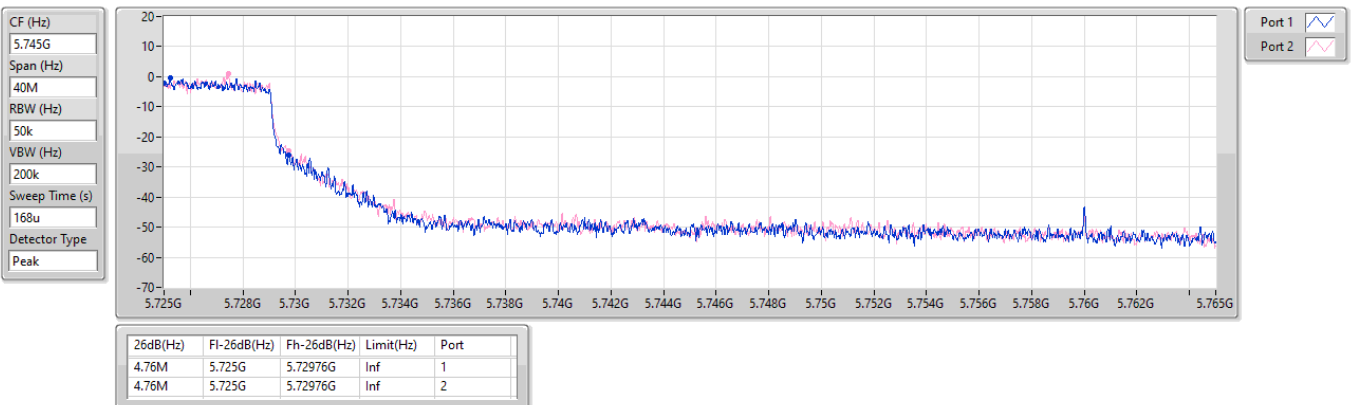


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

16/08/2023

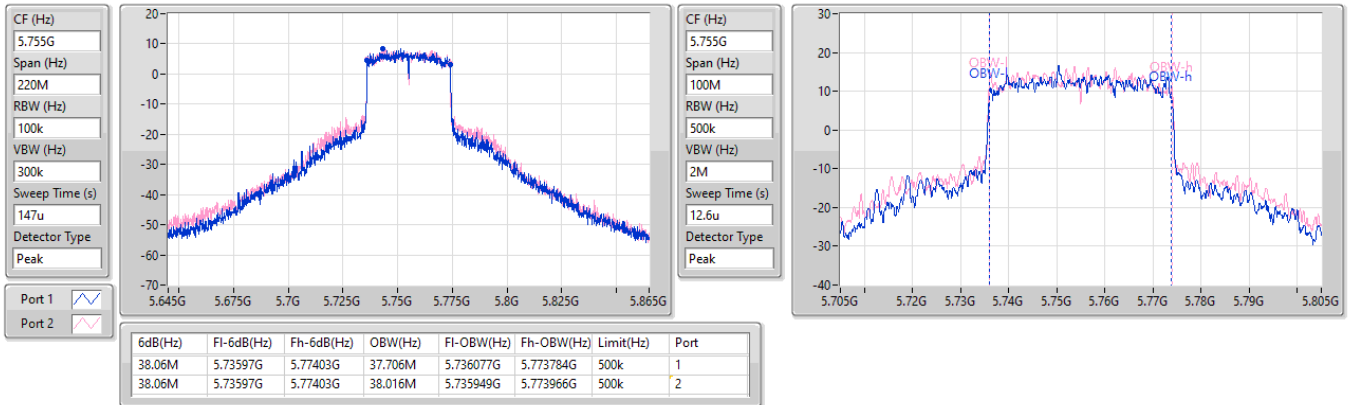


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5755MHz

16/08/2023

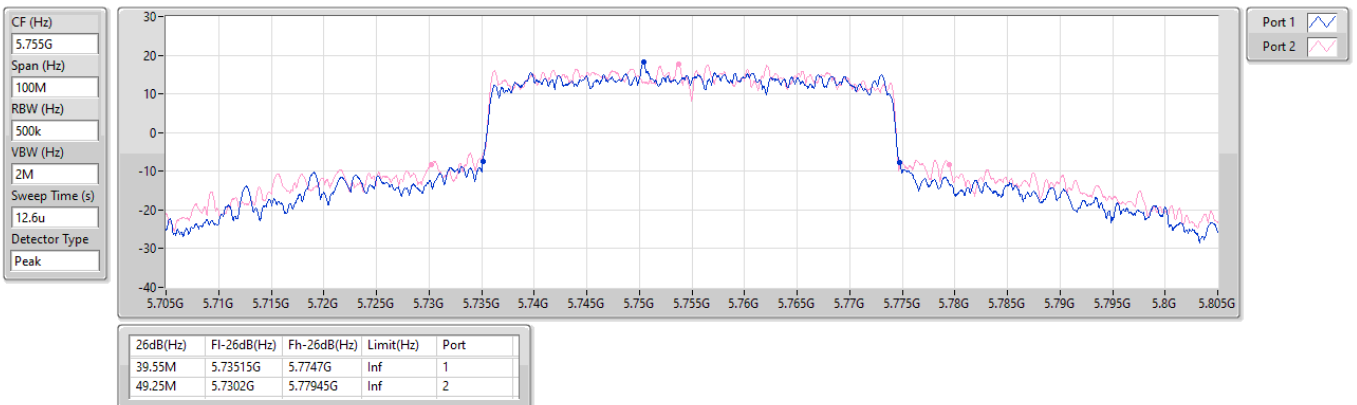


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5755MHz

16/08/2023

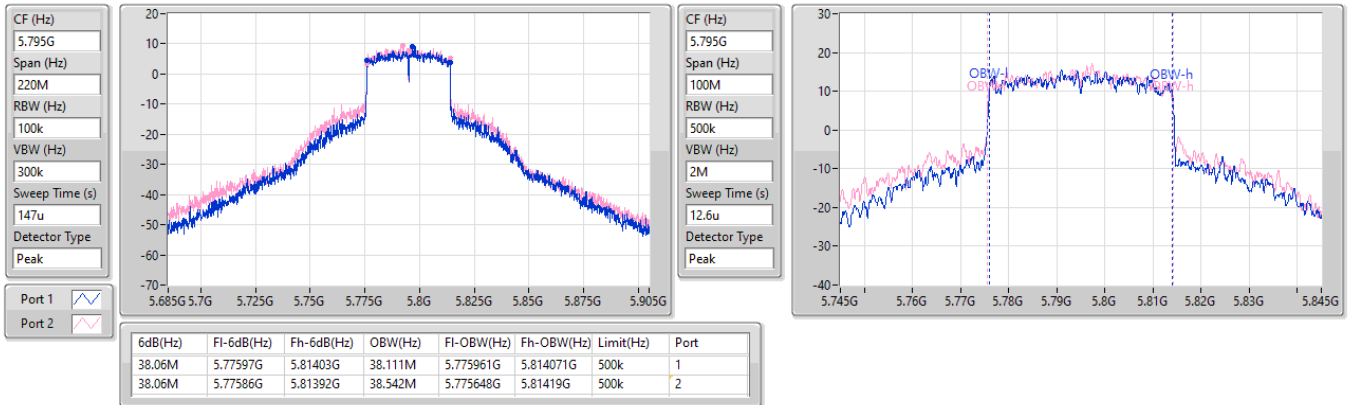


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5795MHz

16/08/2023

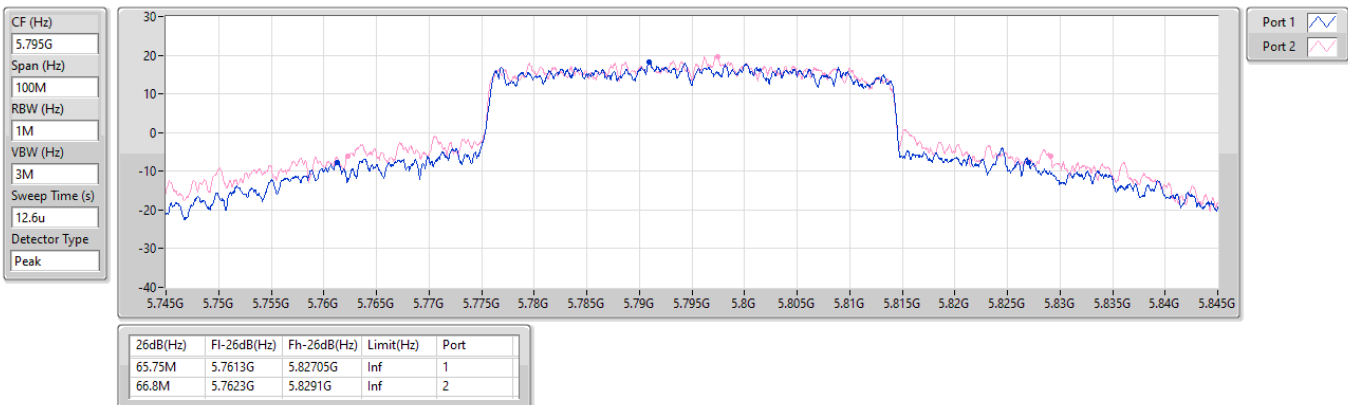


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

5795MHz

16/08/2023

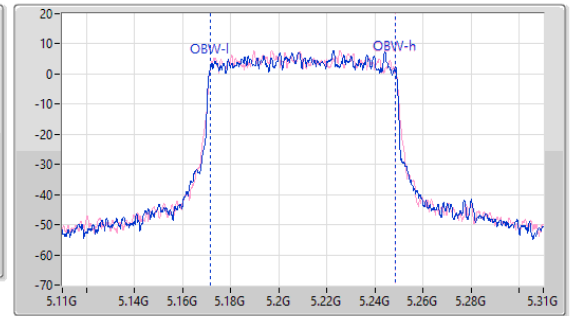
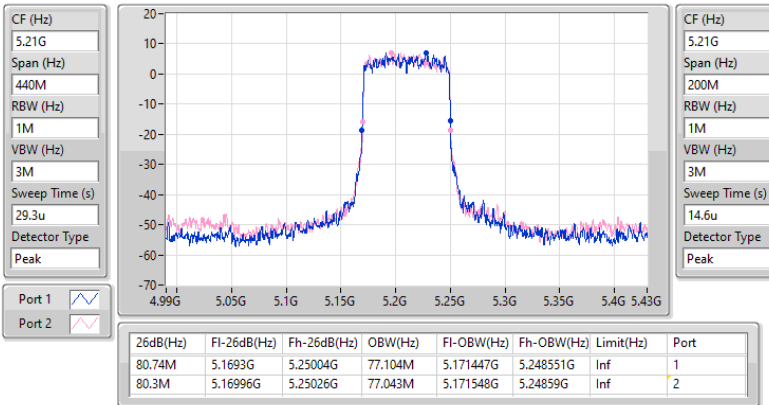


## 5.15-5.25GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5210MHz

16/08/2023

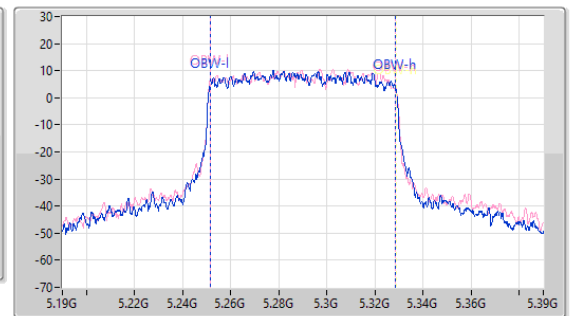
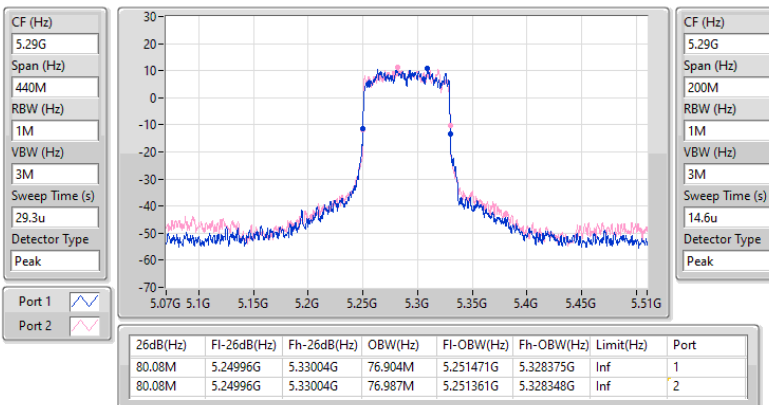


## 5.25-5.35GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

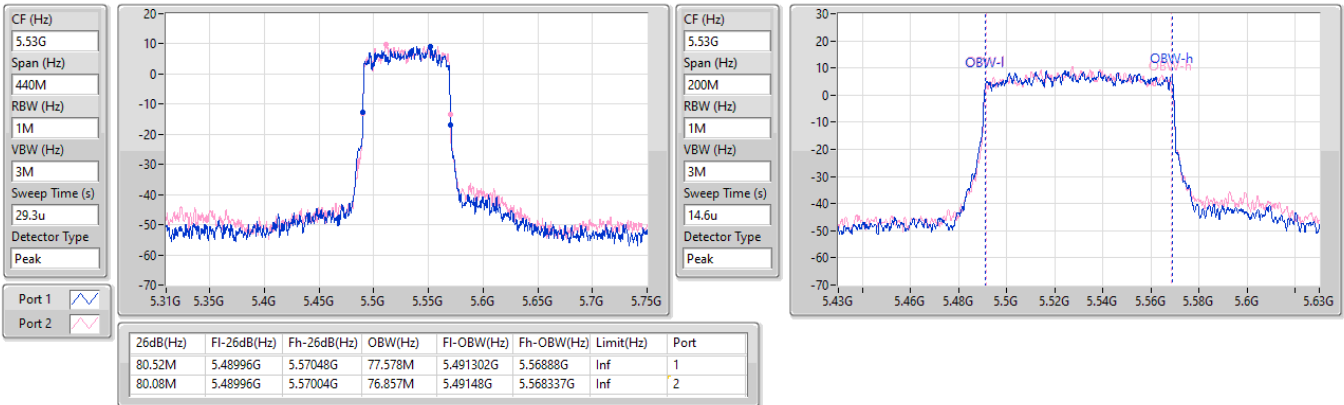
5290MHz

16/08/2023

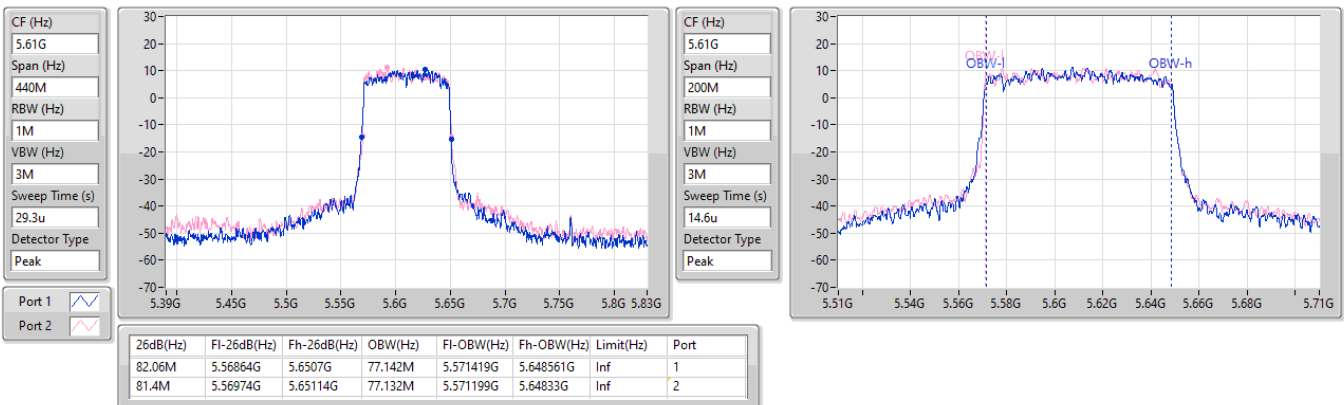


**5.47-5.725GHz\_802.11ax\_HEW80\_Nss1,(MCS0)\_2TX**
**EBW**
**5530MHz**

16/08/2023


**5.47-5.725GHz\_802.11ax\_HEW80\_Nss1,(MCS0)\_2TX**
**EBW**
**5610MHz**

16/08/2023

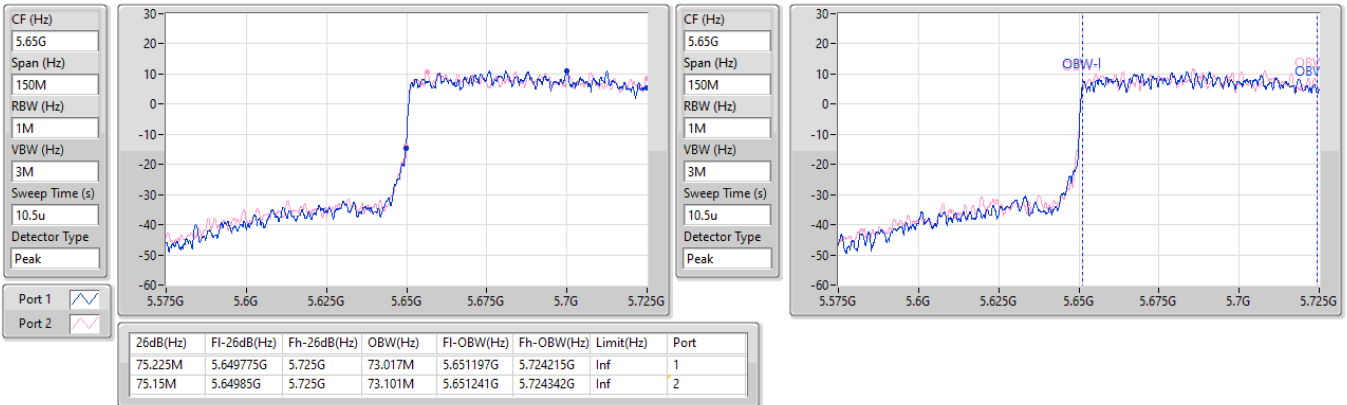


5.47-5.725GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

16/08/2023

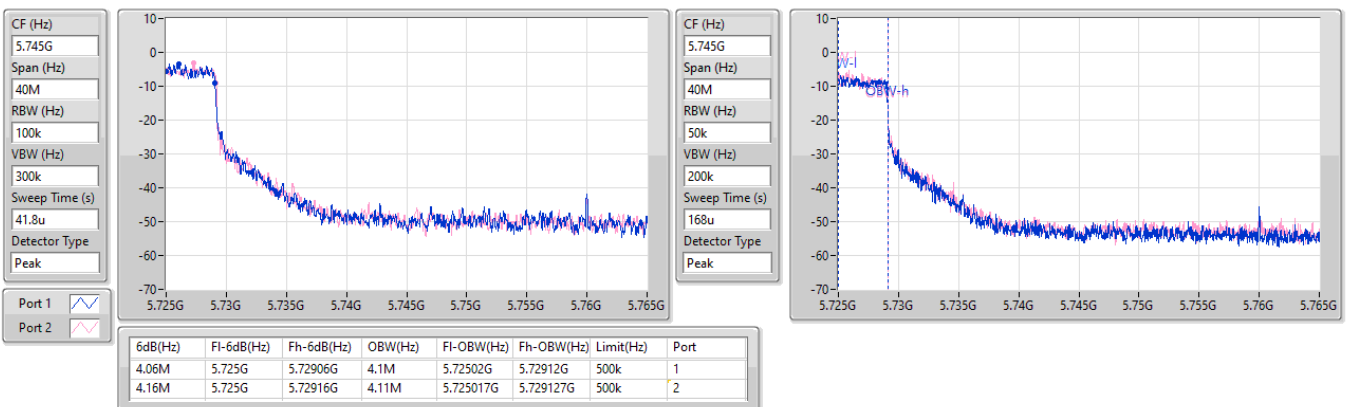


5.725-5.85GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

16/08/2023

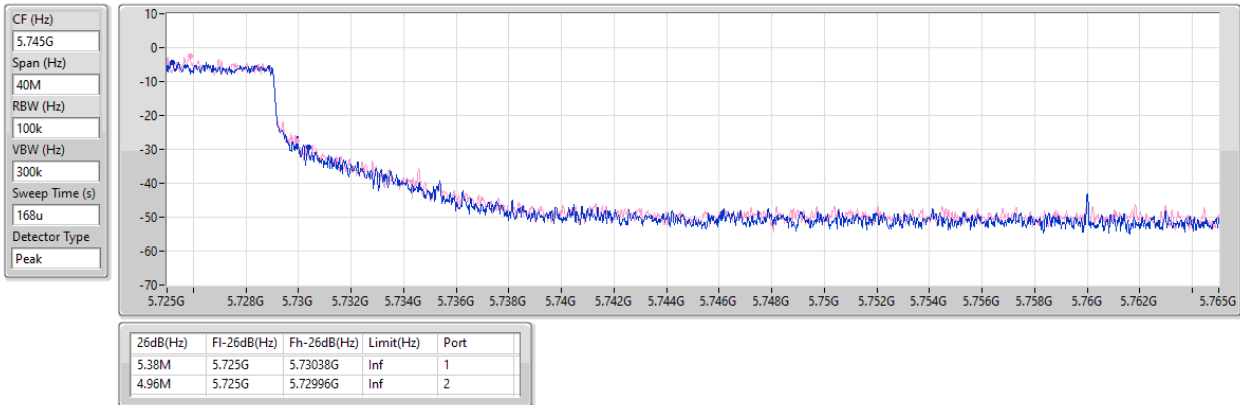


5.725-5.85GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

16/08/2023

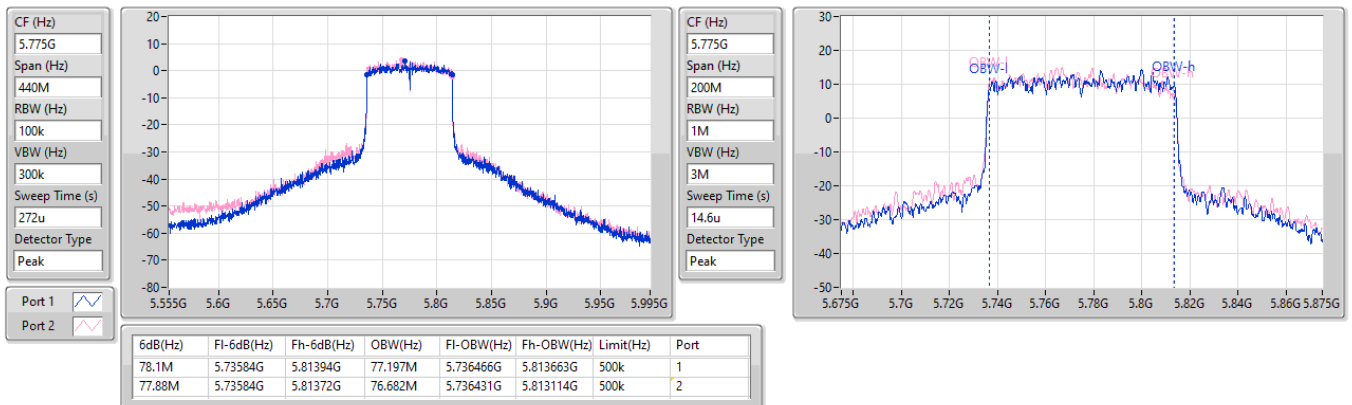


5.725-5.85GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5775MHz

16/08/2023

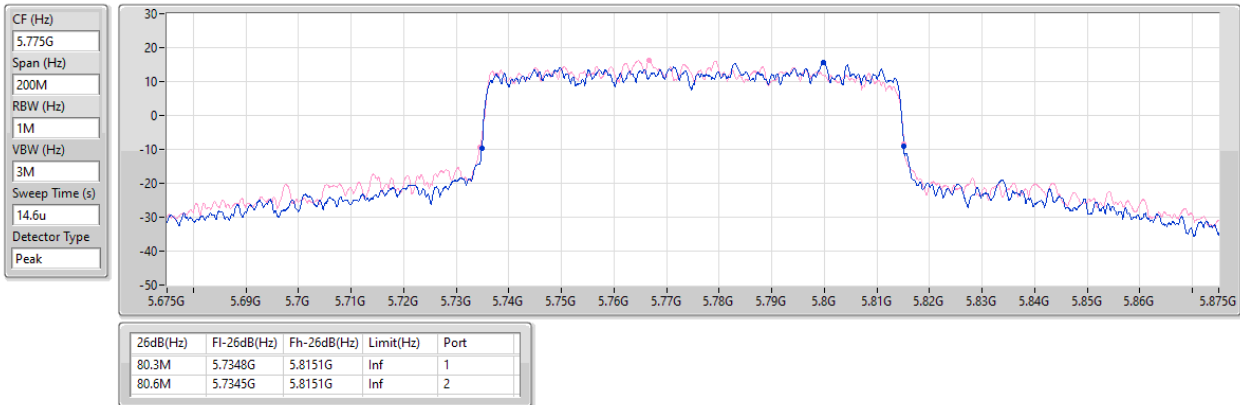


5.725-5.85GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5775MHz

16/08/2023

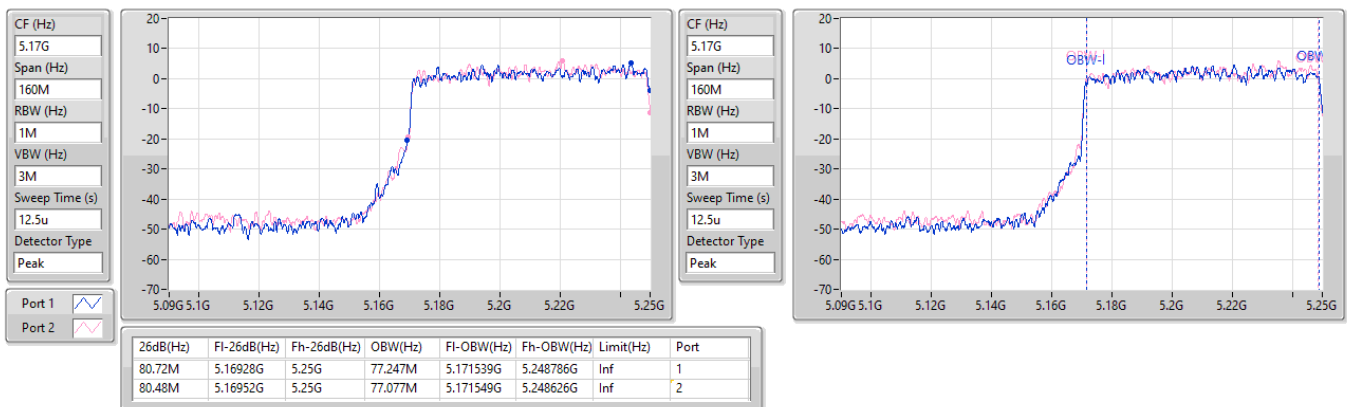


5.15-5.25GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

EBW

5250MHz Straddle 5.15-5.25GHz

16/08/2023

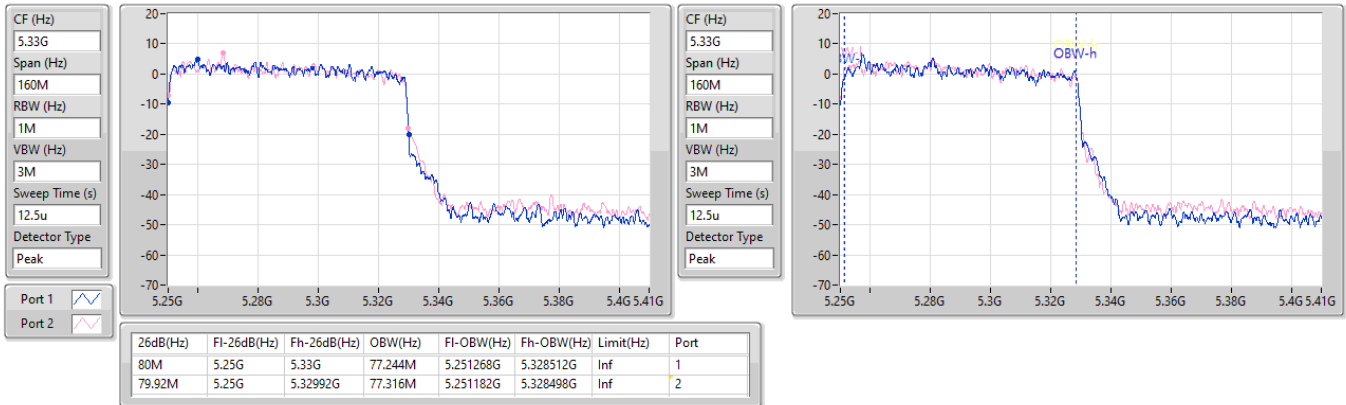


5.25-5.35GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

16/08/2023

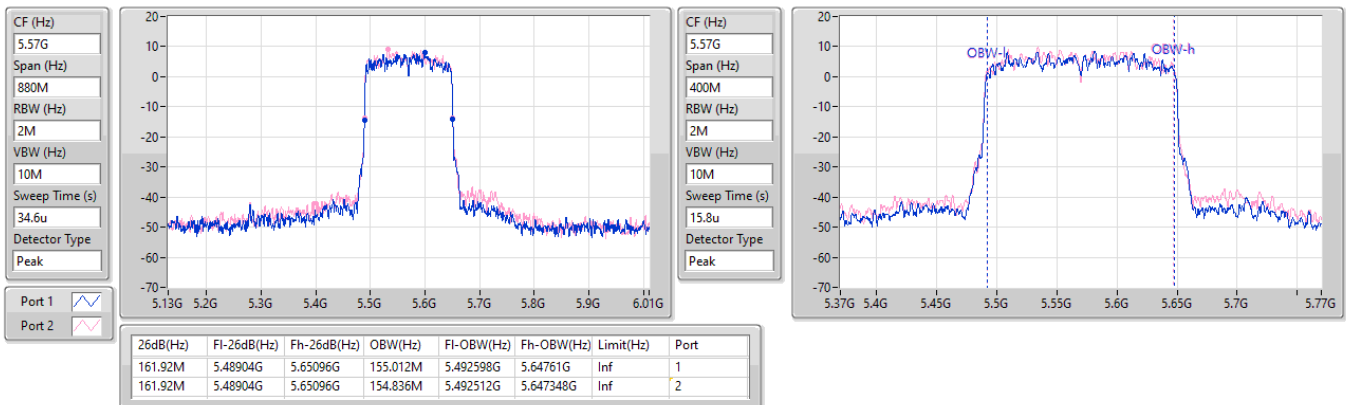


5.47-5.725GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

EBW

5570MHz

16/08/2023



## Summary

| Mode                               | Total Power<br>(dBm) | Total Power<br>(W) | Radiated EIRP [Phi 30°]<br>(dBm) | Radiated EIRP [Phi 30°]<br>(W) |
|------------------------------------|----------------------|--------------------|----------------------------------|--------------------------------|
| 5.15-5.25GHz                       | -                    | -                  | -                                | -                              |
| 802.11a_Nss1,(6Mbps)_2TX           | 25.82                | 0.38194            | 20.81                            | 0.12050                        |
| 802.11ax HEW20_Nss1,(MCS0)_2TX     | 25.97                | 0.39537            | 20.94                            | 0.12417                        |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | 22.84                | 0.19231            | 20.95                            | 0.12445                        |
| 802.11ax HEW40_Nss1,(MCS0)_2TX     | 25.87                | 0.38637            | 20.95                            | 0.12445                        |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | 22.79                | 0.19011            | 20.88                            | 0.12246                        |
| 802.11ax HEW80_Nss1,(MCS0)_2TX     | 22.58                | 0.18113            | 18.09                            | 0.06442                        |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | 22.58                | 0.18113            | 20.61                            | 0.11508                        |
| 802.11ax HEW160_Nss1,(MCS0)_2TX    | 20.19                | 0.10447            | 19.02                            | 0.07980                        |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | 19.53                | 0.08974            | 20.88                            | 0.12246                        |
| 5.25-5.35GHz                       | -                    | -                  | -                                | -                              |
| 802.11a_Nss1,(6Mbps)_2TX           | 19.94                | 0.09863            | Inf                              | Inf                            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX     | 20.52                | 0.11272            | Inf                              | Inf                            |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | 20.22                | 0.10520            | Inf                              | Inf                            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX     | 23.05                | 0.20184            | Inf                              | Inf                            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | 20.28                | 0.10666            | Inf                              | Inf                            |
| 802.11ax HEW80_Nss1,(MCS0)_2TX     | 22.81                | 0.19099            | Inf                              | Inf                            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | 20.30                | 0.10715            | Inf                              | Inf                            |
| 802.11ax HEW160_Nss1,(MCS0)_2TX    | 19.93                | 0.09840            | Inf                              | Inf                            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | 19.28                | 0.08472            | Inf                              | Inf                            |
| 5.47-5.725GHz                      | -                    | -                  | -                                | -                              |
| 802.11a_Nss1,(6Mbps)_2TX           | 20.04                | 0.10093            | Inf                              | Inf                            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX     | 20.41                | 0.10990            | Inf                              | Inf                            |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | 20.29                | 0.10691            | Inf                              | Inf                            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX     | 22.99                | 0.19907            | Inf                              | Inf                            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | 20.22                | 0.10520            | Inf                              | Inf                            |
| 802.11ax HEW80_Nss1,(MCS0)_2TX     | 22.99                | 0.19907            | Inf                              | Inf                            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | 20.24                | 0.10568            | Inf                              | Inf                            |
| 802.11ax HEW160_Nss1,(MCS0)_2TX    | 22.81                | 0.19099            | Inf                              | Inf                            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | 20.23                | 0.10544            | Inf                              | Inf                            |
| 5.725-5.85GHz                      | -                    | -                  | -                                | -                              |
| 802.11a_Nss1,(6Mbps)_2TX           | 29.04                | 0.80168            | Inf                              | Inf                            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX     | 29.04                | 0.80168            | Inf                              | Inf                            |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | 26.34                | 0.43053            | Inf                              | Inf                            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX     | 28.98                | 0.79068            | Inf                              | Inf                            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | 26.36                | 0.43251            | Inf                              | Inf                            |
| 802.11ax HEW80_Nss1,(MCS0)_2TX     | 27.10                | 0.51286            | Inf                              | Inf                            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | 26.09                | 0.40644            | Inf                              | Inf                            |

## Result

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) | Radiated EIRP<br>[Phi 30°]<br>(dBm) | Radiated EIRP<br>Limit [Phi 30°]<br>(dBm) |
|---------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|-------------------------------------|-------------------------------------------|
| 802.11a_Nss1.(6Mbps)_2TX        | -      | -           | -               | -               | -                    | -                    | -                                   | -                                         |
| 5180MHz                         | Pass   | 6.91        | 22.68           | 22.94           | 25.82                | 29.09                | 20.65                               | 21.00                                     |
| 5200MHz                         | Pass   | 6.91        | 21.5            | 21.62           | 24.57                | 29.09                | 20.62                               | 21.00                                     |
| 5240MHz                         | Pass   | 6.91        | 22.46           | 23.01           | 25.75                | 29.09                | 20.81                               | 21.00                                     |
| 5260MHz                         | Pass   | 6.91        | 16.31           | 17.41           | 19.91                | 22.96                | Inf                                 | Inf                                       |
| 5300MHz                         | Pass   | 6.91        | 16.4            | 17.31           | 19.89                | 22.82                | Inf                                 | Inf                                       |
| 5320MHz                         | Pass   | 6.91        | 16.51           | 17.32           | 19.94                | 22.80                | Inf                                 | Inf                                       |
| 5500MHz                         | Pass   | 6.91        | 16.66           | 17.37           | 20.04                | 22.72                | Inf                                 | Inf                                       |
| 5580MHz                         | Pass   | 6.91        | 16.25           | 17.17           | 19.74                | 22.82                | Inf                                 | Inf                                       |
| 5700MHz                         | Pass   | 6.91        | 16.66           | 17.13           | 19.91                | 22.88                | Inf                                 | Inf                                       |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | 6.91        | 15.84           | 16.22           | 19.04                | 21.82                | Inf                                 | Inf                                       |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 6.91        | 9.06            | 9.49            | 12.29                | 29.09                | Inf                                 | Inf                                       |
| 5745MHz                         | Pass   | 6.91        | 25.29           | 26.18           | 28.77                | 29.09                | Inf                                 | Inf                                       |
| 5785MHz                         | Pass   | 6.91        | 25.13           | 26.16           | 28.69                | 29.09                | Inf                                 | Inf                                       |
| 5825MHz                         | Pass   | 6.91        | 25.31           | 26.65           | 29.04                | 29.09                | Inf                                 | Inf                                       |
| 802.11ax HEW20_Nss1.(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -                                   | -                                         |
| 5180MHz                         | Pass   | 6.91        | 21.04           | 21.82           | 24.46                | 29.09                | 19.47                               | 21.00                                     |
| 5200MHz                         | Pass   | 6.91        | 21.71           | 21.83           | 24.78                | 29.09                | 20.92                               | 21.00                                     |
| 5240MHz                         | Pass   | 6.91        | 22.62           | 23.27           | 25.97                | 29.09                | 20.94                               | 21.00                                     |
| 5260MHz                         | Pass   | 6.91        | 16.62           | 17.66           | 20.18                | 23.07                | Inf                                 | Inf                                       |
| 5300MHz                         | Pass   | 6.91        | 17.07           | 17.91           | 20.52                | 23.07                | Inf                                 | Inf                                       |
| 5320MHz                         | Pass   | 6.91        | 16.75           | 17.63           | 20.22                | 23.07                | Inf                                 | Inf                                       |
| 5500MHz                         | Pass   | 6.91        | 16.95           | 17.59           | 20.29                | 23.07                | Inf                                 | Inf                                       |
| 5580MHz                         | Pass   | 6.91        | 16.92           | 17.83           | 20.41                | 23.07                | Inf                                 | Inf                                       |
| 5700MHz                         | Pass   | 6.91        | 16.88           | 17.4            | 20.16                | 23.07                | Inf                                 | Inf                                       |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | 6.91        | 16.25           | 16.66           | 19.47                | 21.91                | Inf                                 | Inf                                       |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 6.91        | 10.37           | 10.79           | 13.60                | 29.09                | Inf                                 | Inf                                       |
| 5745MHz                         | Pass   | 6.91        | 25.36           | 26.61           | 29.04                | 29.09                | Inf                                 | Inf                                       |
| 5785MHz                         | Pass   | 6.91        | 25.29           | 26.49           | 28.94                | 29.09                | Inf                                 | Inf                                       |
| 5825MHz                         | Pass   | 6.91        | 25.07           | 26.59           | 28.91                | 29.09                | Inf                                 | Inf                                       |
| 802.11ax HEW40_Nss1.(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -                                   | -                                         |
| 5190MHz                         | Pass   | 6.91        | 19.56           | 19.98           | 22.79                | 29.09                | 18.21                               | 21.00                                     |
| 5230MHz                         | Pass   | 6.91        | 22.61           | 23.1            | 25.87                | 29.09                | 20.95                               | 21.00                                     |
| 5270MHz                         | Pass   | 6.91        | 19.19           | 20.14           | 22.70                | 23.07                | Inf                                 | Inf                                       |
| 5310MHz                         | Pass   | 6.91        | 19.66           | 20.38           | 23.05                | 23.07                | Inf                                 | Inf                                       |
| 5510MHz                         | Pass   | 6.91        | 19.51           | 20.41           | 22.99                | 23.07                | Inf                                 | Inf                                       |
| 5550MHz                         | Pass   | 6.91        | 19.36           | 20.03           | 22.72                | 23.07                | Inf                                 | Inf                                       |
| 5670MHz                         | Pass   | 6.91        | 19.37           | 20.06           | 22.74                | 23.07                | Inf                                 | Inf                                       |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | 6.91        | 19.33           | 20.16           | 22.78                | 23.07                | Inf                                 | Inf                                       |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 6.91        | 8.45            | 9.3             | 11.91                | 29.09                | Inf                                 | Inf                                       |
| 5755MHz                         | Pass   | 6.91        | 25.46           | 26.43           | 28.98                | 29.09                | Inf                                 | Inf                                       |
| 5795MHz                         | Pass   | 6.91        | 24.98           | 26.19           | 28.64                | 29.09                | Inf                                 | Inf                                       |
| 802.11ax HEW80_Nss1.(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -                                   | -                                         |
| 5210MHz                         | Pass   | 6.91        | 19.42           | 19.71           | 22.58                | 29.09                | 18.09                               | 21.00                                     |
| 5290MHz                         | Pass   | 6.91        | 19.26           | 20.28           | 22.81                | 23.07                | Inf                                 | Inf                                       |
| 5530MHz                         | Pass   | 6.91        | 19.71           | 20.24           | 22.99                | 23.07                | Inf                                 | Inf                                       |
| 5610MHz                         | Pass   | 6.91        | 19.36           | 20.16           | 22.79                | 23.07                | Inf                                 | Inf                                       |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | 6.91        | 19.23           | 20.14           | 22.72                | 23.07                | Inf                                 | Inf                                       |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 6.91        | 4.07            | 5.01            | 7.58                 | 29.09                | Inf                                 | Inf                                       |
| 5775MHz                         | Pass   | 6.91        | 23.75           | 24.4            | 27.10                | 29.09                | Inf                                 | Inf                                       |
| 802.11ax HEW160_Nss1.(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    | -                                   | -                                         |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | 6.91        | 16.73           | 17.59           | 20.19                | 29.09                | 19.02                               | 21.00                                     |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | 6.91        | 16.31           | 17.46           | 19.93                | 23.07                | Inf                                 | Inf                                       |
| 5570MHz                         | Pass   | 6.91        | 19.37           | 20.19           | 22.81                | 23.07                | Inf                                 | Inf                                       |



## Average Power-For Mode 1

## Appendix C.1

| Mode                               | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) | Radiated EIRP<br>[Phi 30°]<br>(dBm) | Radiated EIRP<br>Limit [Phi 30°]<br>(dBm) |
|------------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|-------------------------------------|-------------------------------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -                                   | -                                         |
| 5180MHz                            | Pass   | 9.62        | 19.57           | 19.96           | 22.78                | 26.38                | 20.71                               | 21.00                                     |
| 5200MHz                            | Pass   | 9.62        | 18.57           | 18.87           | 21.73                | 26.38                | 20.73                               | 21.00                                     |
| 5240MHz                            | Pass   | 9.62        | 19.63           | 20.02           | 22.84                | 26.38                | 20.95                               | 21.00                                     |
| 5260MHz                            | Pass   | 9.62        | 16.62           | 17.66           | 20.18                | 20.36                | Inf                                 | Inf                                       |
| 5300MHz                            | Pass   | 9.62        | 16.55           | 17.53           | 20.08                | 20.36                | Inf                                 | Inf                                       |
| 5320MHz                            | Pass   | 9.62        | 16.75           | 17.63           | 20.22                | 20.36                | Inf                                 | Inf                                       |
| 5500MHz                            | Pass   | 9.62        | 16.95           | 17.59           | 20.29                | 20.36                | Inf                                 | Inf                                       |
| 5580MHz                            | Pass   | 9.62        | 16.54           | 17.26           | 19.93                | 20.36                | Inf                                 | Inf                                       |
| 5700MHz                            | Pass   | 9.62        | 16.88           | 17.4            | 20.16                | 20.36                | Inf                                 | Inf                                       |
| 5720MHz Straddle 5.47-5.725GHz     | Pass   | 9.62        | 16.25           | 16.66           | 19.47                | 20.36                | Inf                                 | Inf                                       |
| 5720MHz Straddle 5.725-5.85GHz     | Pass   | 9.62        | 10.37           | 10.79           | 13.60                | 26.38                | Inf                                 | Inf                                       |
| 5745MHz                            | Pass   | 9.62        | 22.70           | 23.37           | 26.06                | 26.38                | Inf                                 | Inf                                       |
| 5785MHz                            | Pass   | 9.62        | 22.91           | 23.71           | 26.34                | 26.38                | Inf                                 | Inf                                       |
| 5825MHz                            | Pass   | 9.62        | 22.81           | 23.28           | 26.06                | 26.38                | Inf                                 | Inf                                       |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -                                   | -                                         |
| 5190MHz                            | Pass   | 9.62        | 19.56           | 19.98           | 22.79                | 26.38                | 20.85                               | 21.00                                     |
| 5230MHz                            | Pass   | 9.62        | 19.44           | 19.95           | 22.71                | 26.38                | 20.88                               | 21.00                                     |
| 5270MHz                            | Pass   | 9.62        | 16.71           | 17.76           | 20.28                | 20.36                | Inf                                 | Inf                                       |
| 5310MHz                            | Pass   | 9.62        | 16.73           | 17.69           | 20.25                | 20.36                | Inf                                 | Inf                                       |
| 5510MHz                            | Pass   | 9.62        | 16.52           | 17.47           | 20.03                | 20.36                | Inf                                 | Inf                                       |
| 5550MHz                            | Pass   | 9.62        | 16.58           | 17.51           | 20.08                | 20.36                | Inf                                 | Inf                                       |
| 5670MHz                            | Pass   | 9.62        | 16.75           | 17.36           | 20.08                | 20.36                | Inf                                 | Inf                                       |
| 5710MHz Straddle 5.47-5.725GHz     | Pass   | 9.62        | 16.94           | 17.47           | 20.22                | 20.36                | Inf                                 | Inf                                       |
| 5710MHz Straddle 5.725-5.85GHz     | Pass   | 9.62        | 6.05            | 6.59            | 9.34                 | 26.38                | Inf                                 | Inf                                       |
| 5755MHz                            | Pass   | 9.62        | 22.98           | 23.65           | 26.34                | 26.38                | Inf                                 | Inf                                       |
| 5795MHz                            | Pass   | 9.62        | 22.82           | 23.82           | 26.36                | 26.38                | Inf                                 | Inf                                       |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -                                   | -                                         |
| 5210MHz                            | Pass   | 9.62        | 19.42           | 19.71           | 22.58                | 26.38                | 20.61                               | 21.00                                     |
| 5290MHz                            | Pass   | 9.62        | 16.77           | 17.76           | 20.30                | 20.36                | Inf                                 | Inf                                       |
| 5530MHz                            | Pass   | 9.62        | 16.76           | 17.11           | 19.95                | 20.36                | Inf                                 | Inf                                       |
| 5610MHz                            | Pass   | 9.62        | 16.90           | 17.54           | 20.24                | 20.36                | Inf                                 | Inf                                       |
| 5690MHz Straddle 5.47-5.725GHz     | Pass   | 9.62        | 16.54           | 17.37           | 19.99                | 20.36                | Inf                                 | Inf                                       |
| 5690MHz Straddle 5.725-5.85GHz     | Pass   | 9.62        | 1.41            | 2.30            | 4.89                 | 26.38                | Inf                                 | Inf                                       |
| 5775MHz                            | Pass   | 9.62        | 22.66           | 23.46           | 26.09                | 26.38                | Inf                                 | Inf                                       |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    | -                                   | -                                         |
| 5250MHz Straddle 5.15-5.25GHz      | Pass   | 9.62        | 16.32           | 16.71           | 19.53                | 26.38                | 20.88                               | 21.00                                     |
| 5250MHz Straddle 5.25-5.35GHz      | Pass   | 9.62        | 16.05           | 16.48           | 19.28                | 20.36                | Inf                                 | Inf                                       |
| 5570MHz                            | Pass   | 9.62        | 16.70           | 17.69           | 20.23                | 20.36                | Inf                                 | Inf                                       |

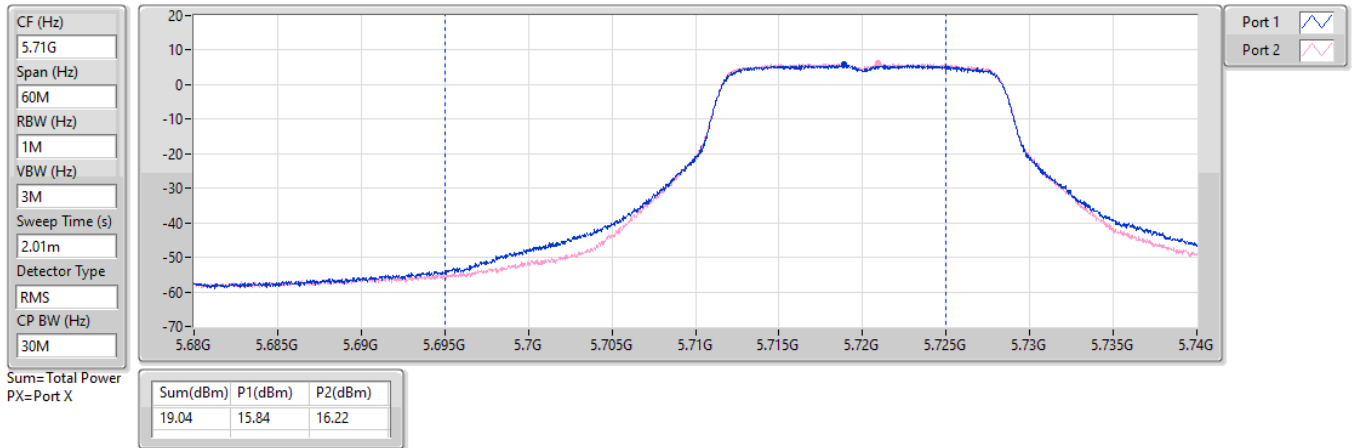
DG = Directional Gain; Port X = Port X output power

5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz\_TX

15/08/2023

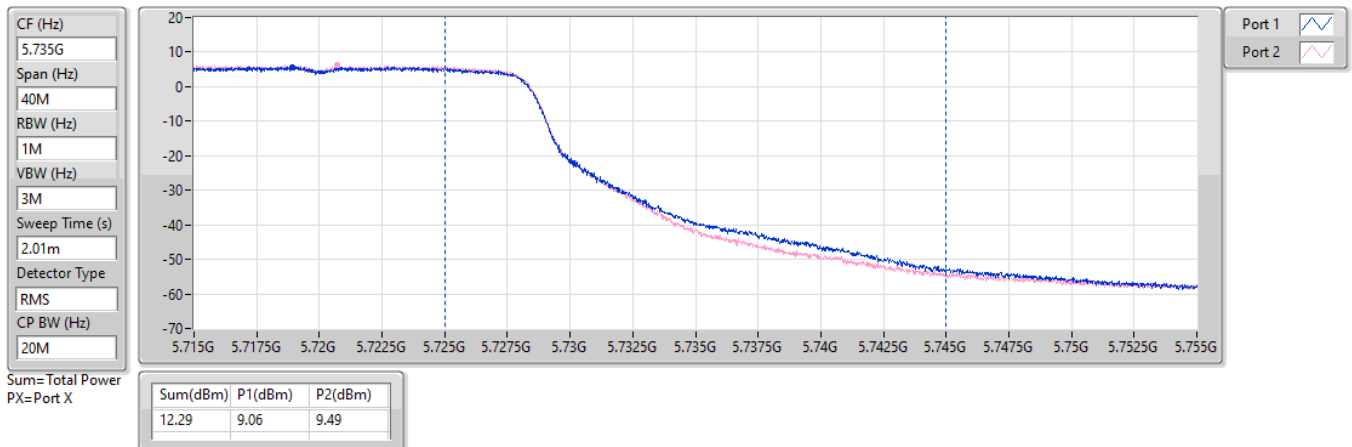


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz\_TX

15/08/2023

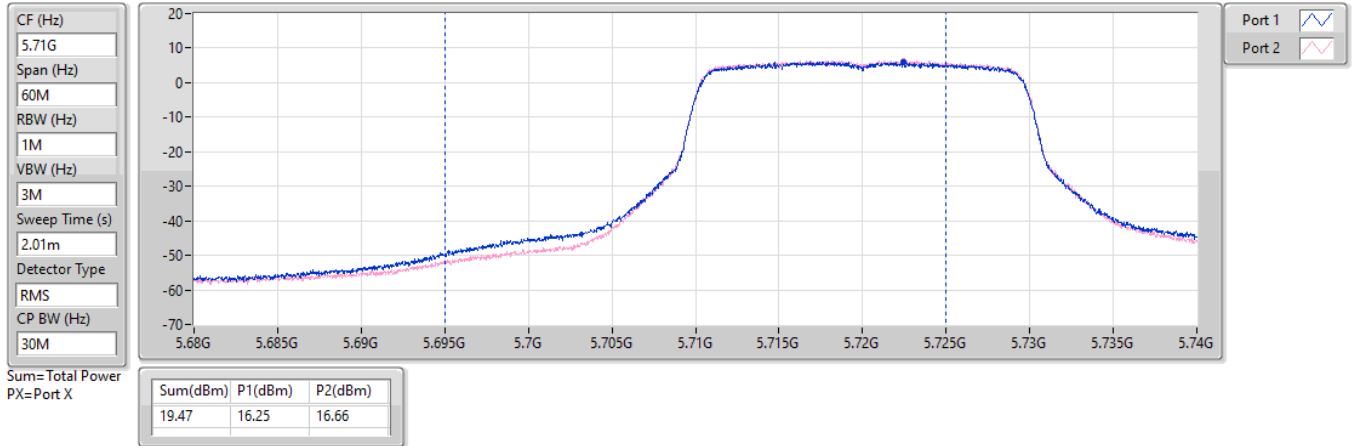


5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz\_TX

15/08/2023

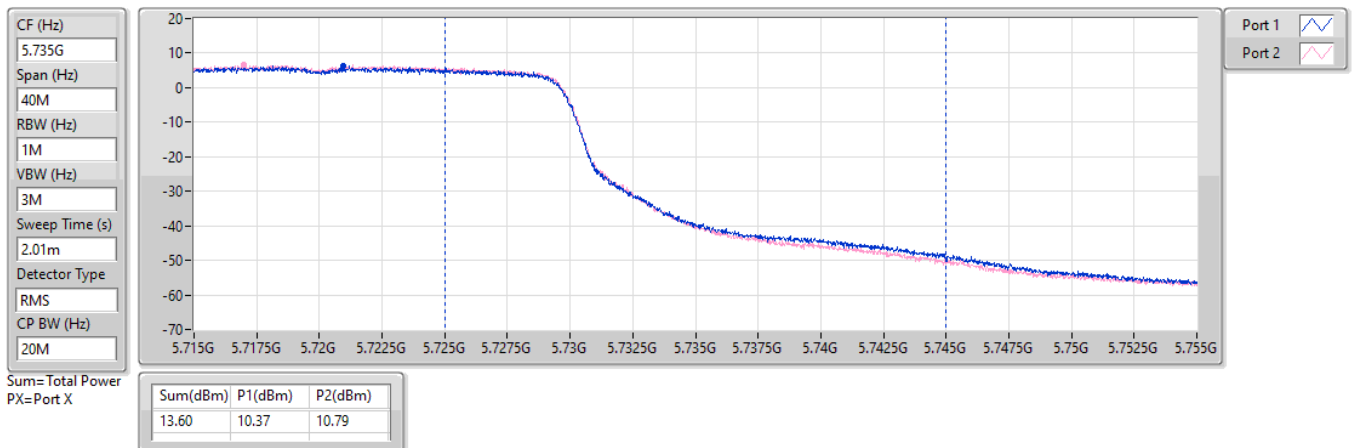


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz\_TX

15/08/2023

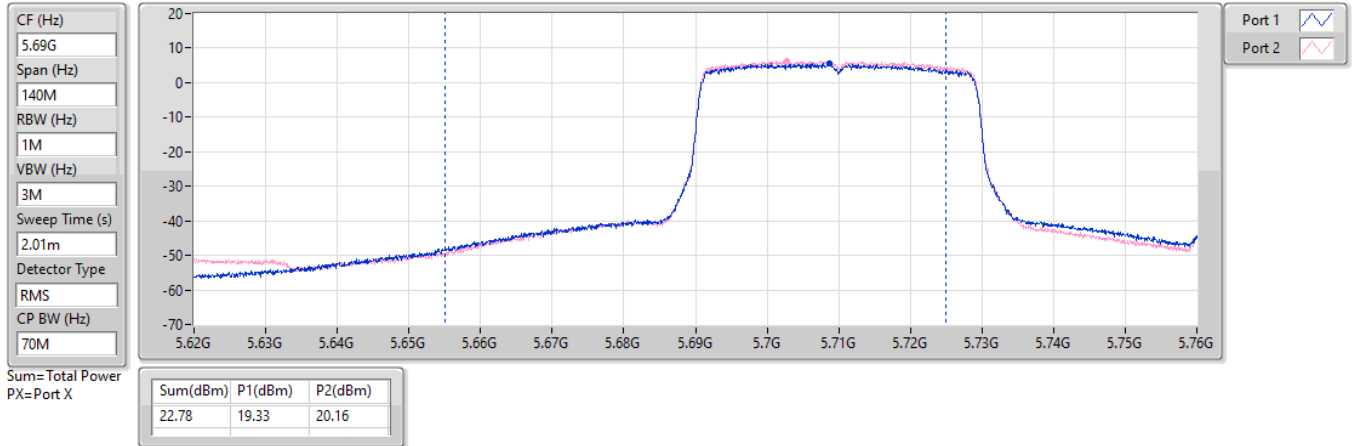


5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz\_TX

15/08/2023

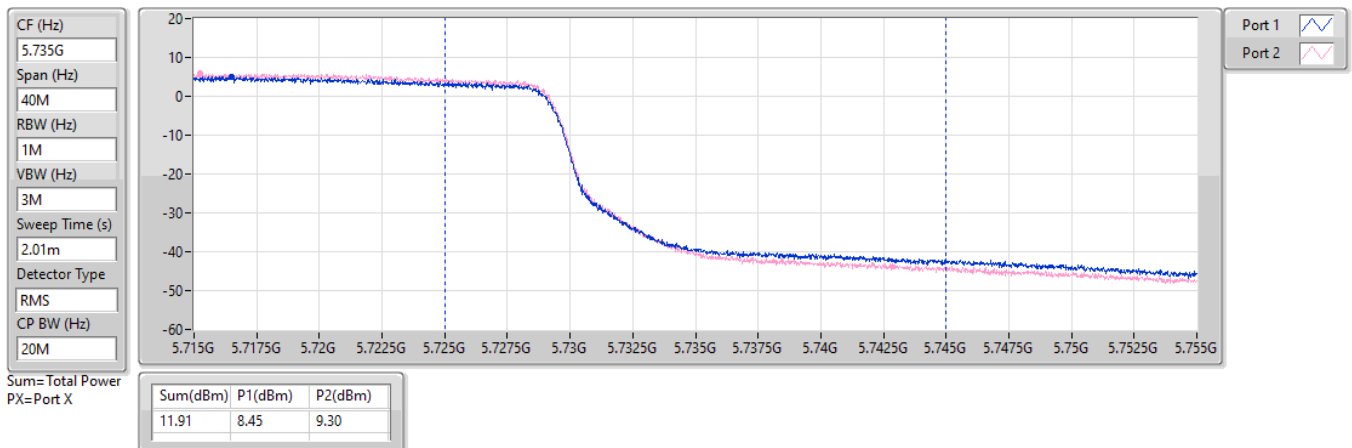


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz\_TX

15/08/2023

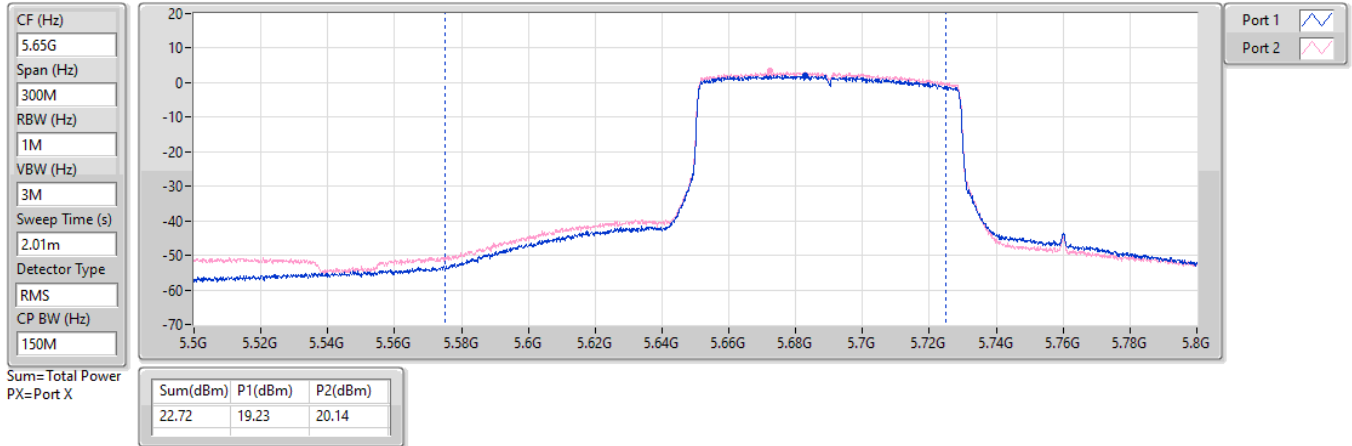


5.47-5.725GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz\_TX

15/08/2023

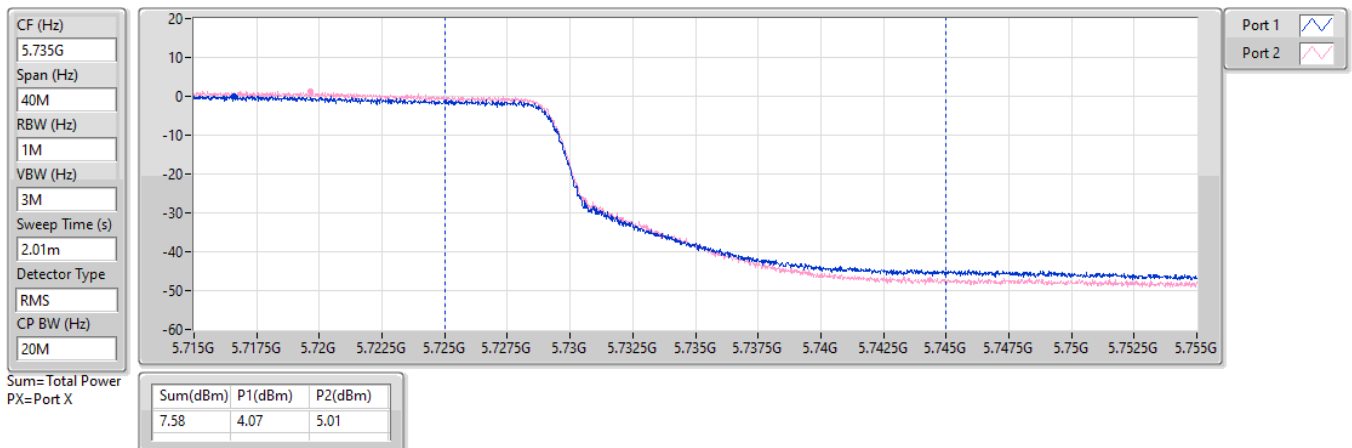


5.725-5.85GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz\_TX

15/08/2023

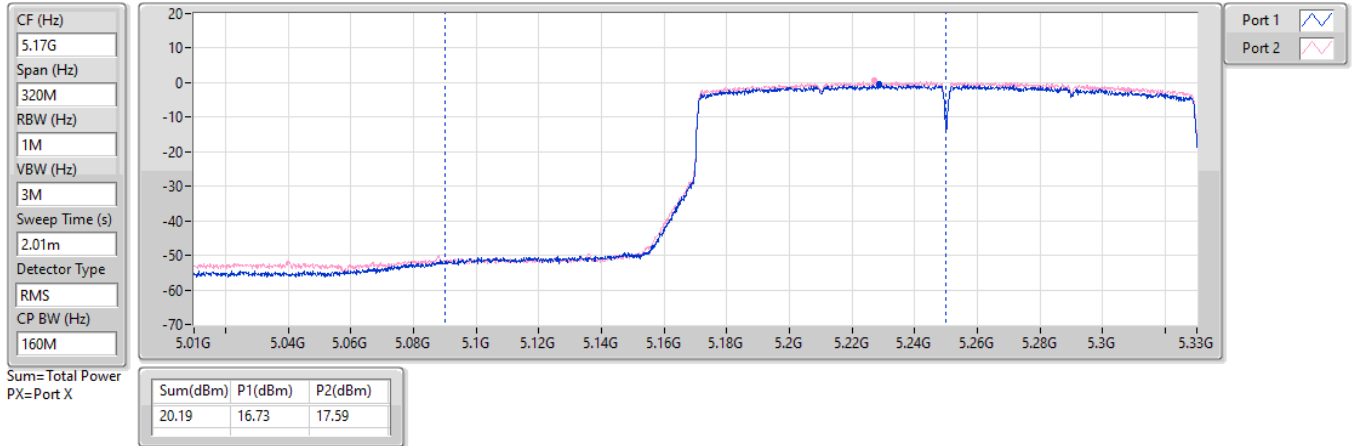


5.15-5.25GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz\_TX

15/08/2023

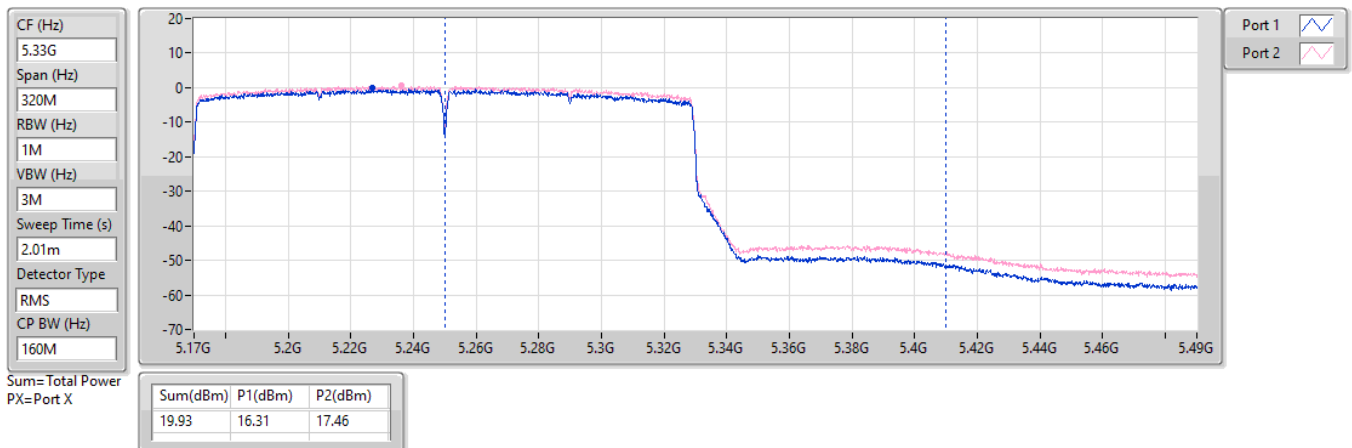


5.25-5.35GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz\_TX

15/08/2023

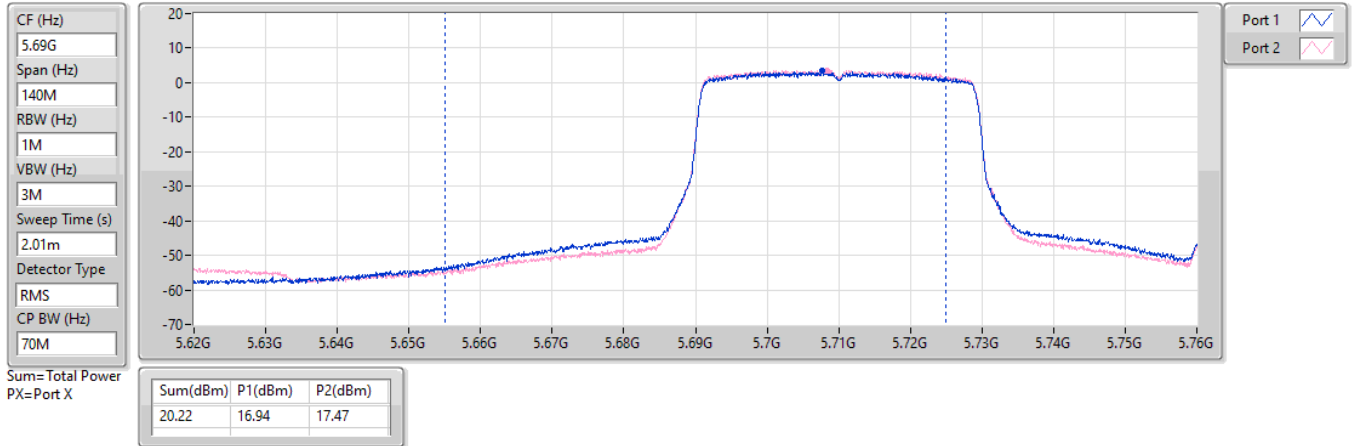


5.47-5.725GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz\_TX

15/08/2023

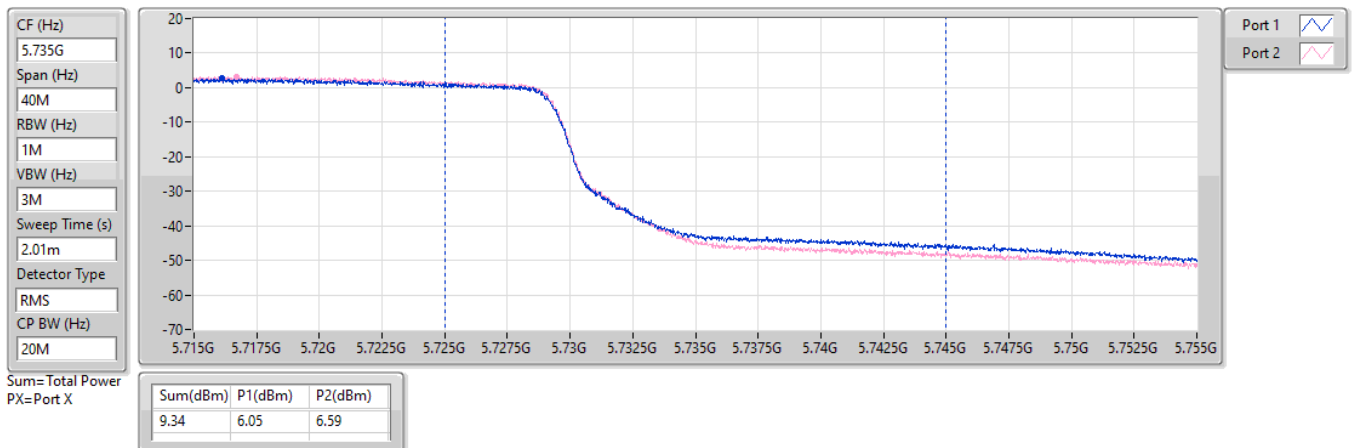


5.725-5.85GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz\_TX

15/08/2023

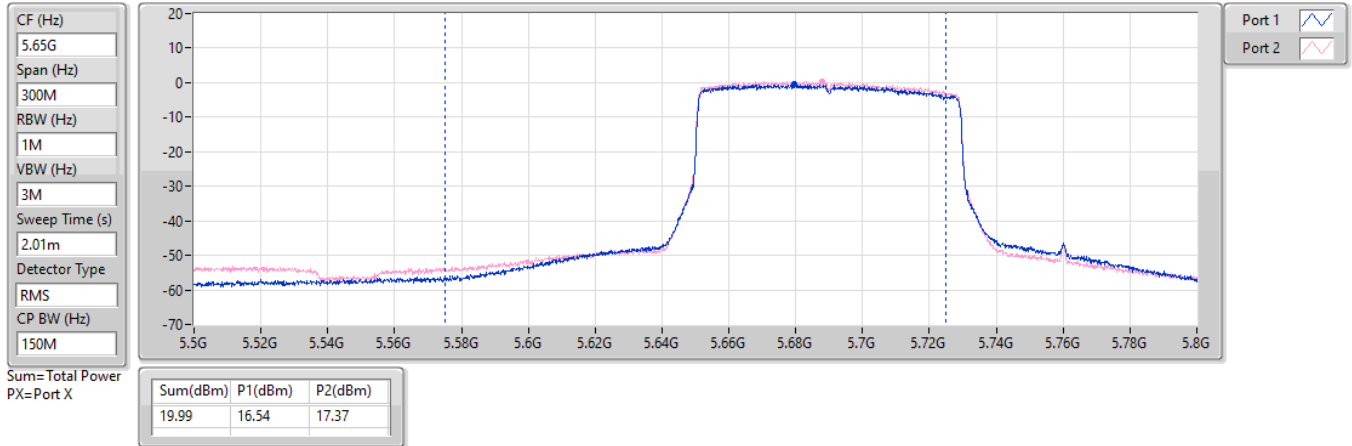


5.47-5.725GHz\_802.11ax HEW80-BF\_Nss1,(MCS0)\_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz\_TX

15/08/2023

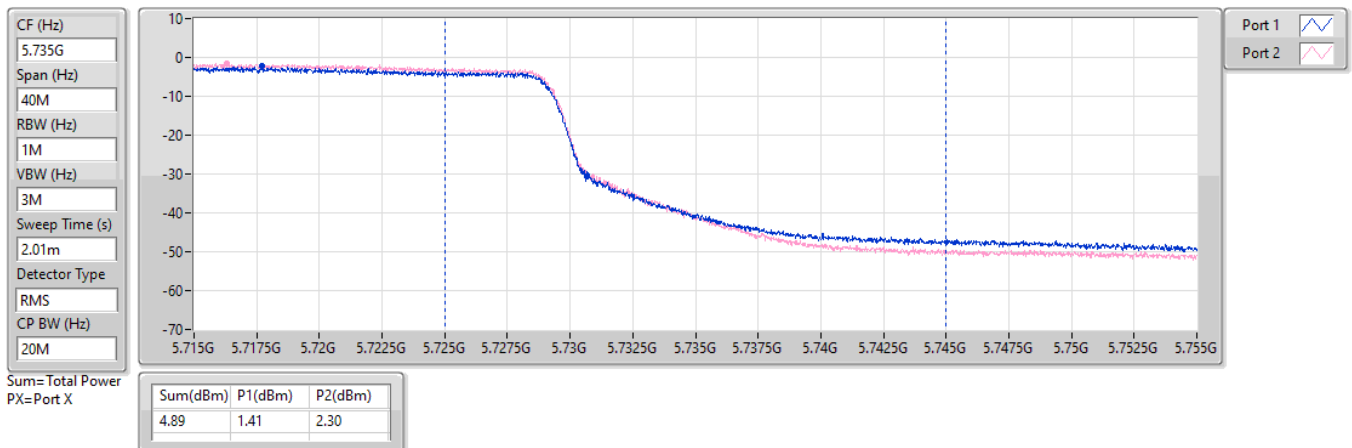


5.725-5.85GHz\_802.11ax HEW80-BF\_Nss1,(MCS0)\_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz\_TX

15/08/2023

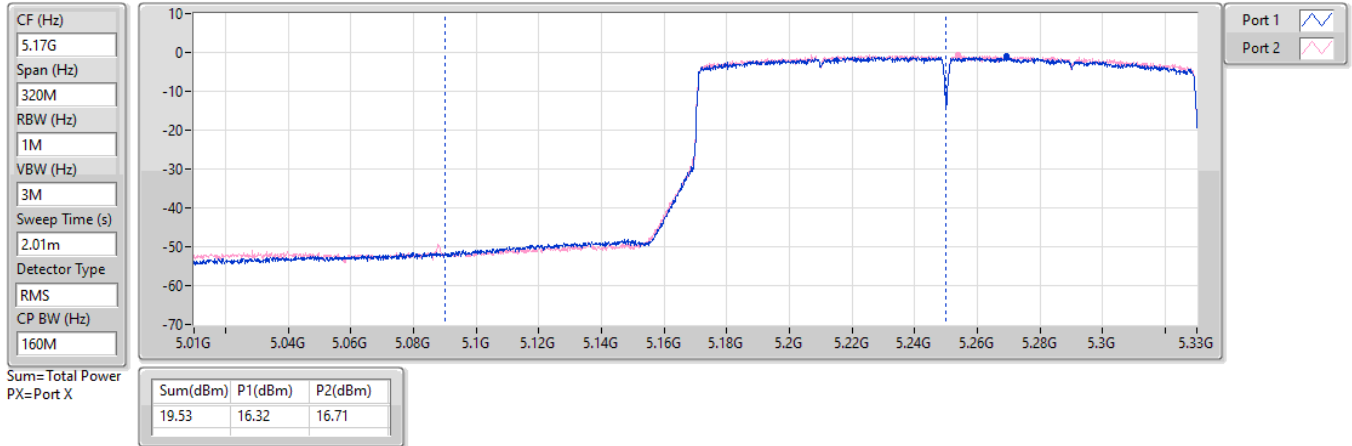


5.15-5.25GHz\_802.11ax HEW160-BF\_Nss1,(MCS0)\_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz\_TX

21/07/2023

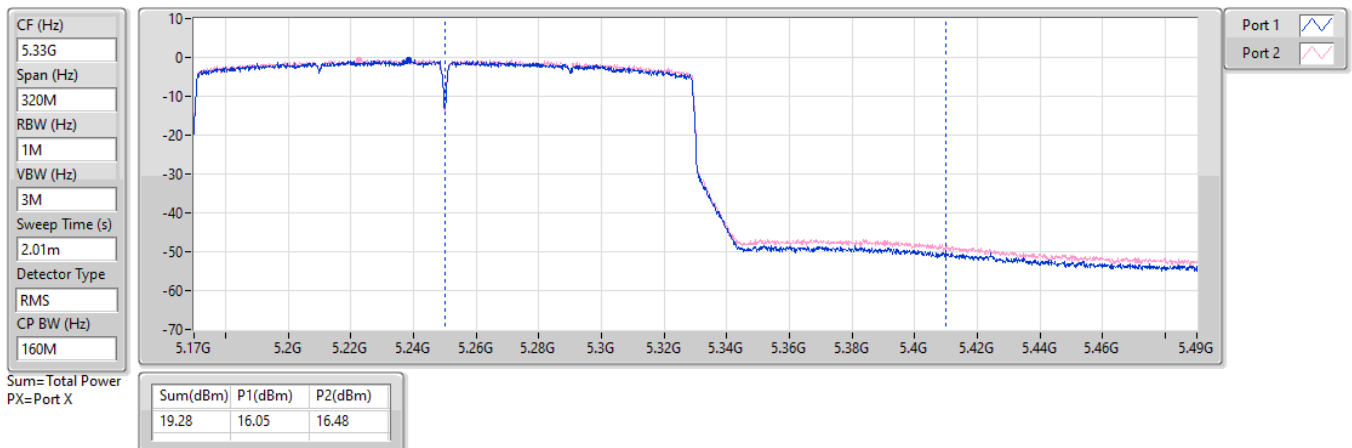


5.25-5.35GHz\_802.11ax HEW160-BF\_Nss1,(MCS0)\_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz\_TX

24/07/2023



## Summary

| Mode                               | Total Power<br>(dBm) | Total Power<br>(W) | Radiated EIRP<br>[Phi 30°]<br>(dBm) | Radiated EIRP<br>[Phi 30°]<br>(W) |
|------------------------------------|----------------------|--------------------|-------------------------------------|-----------------------------------|
| 5.15-5.25GHz                       | -                    | -                  | -                                   | -                                 |
| 802.11a_Nss1,(6Mbps)_2TX           | 21.07                | 0.12794            | 20.76                               | 0.11912                           |
| 802.11ax HEW20_Nss1,(MCS0)_2TX     | 21.19                | 0.13152            | 20.77                               | 0.11940                           |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | 18.26                | 0.06699            | 20.99                               | 0.12560                           |
| 802.11ax HEW40_Nss1,(MCS0)_2TX     | 21.67                | 0.14689            | 20.84                               | 0.12134                           |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | 18.81                | 0.07603            | 20.82                               | 0.12078                           |
| 802.11ax HEW80_Nss1,(MCS0)_2TX     | 19.94                | 0.09863            | 18.81                               | 0.07603                           |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | 19.10                | 0.08128            | 20.86                               | 0.12190                           |
| 802.11ax HEW160_Nss1,(MCS0)_2TX    | 17.77                | 0.05984            | 18.56                               | 0.07178                           |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | 17.46                | 0.05572            | 20.82                               | 0.12078                           |
| 5.25-5.35GHz                       | -                    | -                  | -                                   | -                                 |
| 802.11a_Nss1,(6Mbps)_2TX           | 21.79                | 0.15101            | Inf                                 | Inf                               |
| 802.11ax HEW20_Nss1,(MCS0)_2TX     | 22.01                | 0.15885            | Inf                                 | Inf                               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | 22.01                | 0.15885            | Inf                                 | Inf                               |
| 802.11ax HEW40_Nss1,(MCS0)_2TX     | 23.79                | 0.23933            | Inf                                 | Inf                               |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | 21.98                | 0.15776            | Inf                                 | Inf                               |
| 802.11ax HEW80_Nss1,(MCS0)_2TX     | 23.27                | 0.21232            | Inf                                 | Inf                               |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | 21.67                | 0.14689            | Inf                                 | Inf                               |
| 802.11ax HEW160_Nss1,(MCS0)_2TX    | 17.33                | 0.05408            | Inf                                 | Inf                               |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | 17.00                | 0.05012            | Inf                                 | Inf                               |
| 5.47-5.725GHz                      | -                    | -                  | -                                   | -                                 |
| 802.11a_Nss1,(6Mbps)_2TX           | 21.87                | 0.15382            | Inf                                 | Inf                               |
| 802.11ax HEW20_Nss1,(MCS0)_2TX     | 22.00                | 0.15849            | Inf                                 | Inf                               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | 22.00                | 0.15849            | Inf                                 | Inf                               |
| 802.11ax HEW40_Nss1,(MCS0)_2TX     | 23.96                | 0.24889            | Inf                                 | Inf                               |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | 22.02                | 0.15922            | Inf                                 | Inf                               |
| 802.11ax HEW80_Nss1,(MCS0)_2TX     | 23.74                | 0.23659            | Inf                                 | Inf                               |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | 22.02                | 0.15922            | Inf                                 | Inf                               |
| 802.11ax HEW160_Nss1,(MCS0)_2TX    | 21.05                | 0.12735            | Inf                                 | Inf                               |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | 21.05                | 0.12735            | Inf                                 | Inf                               |
| 5.725-5.85GHz                      | -                    | -                  | -                                   | -                                 |
| 802.11a_Nss1,(6Mbps)_2TX           | 29.96                | 0.99083            | Inf                                 | Inf                               |
| 802.11ax HEW20_Nss1,(MCS0)_2TX     | 29.86                | 0.96828            | Inf                                 | Inf                               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | 27.79                | 0.60117            | Inf                                 | Inf                               |
| 802.11ax HEW40_Nss1,(MCS0)_2TX     | 28.92                | 0.77983            | Inf                                 | Inf                               |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | 27.77                | 0.59841            | Inf                                 | Inf                               |
| 802.11ax HEW80_Nss1,(MCS0)_2TX     | 26.43                | 0.43954            | Inf                                 | Inf                               |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | 26.43                | 0.43954            | Inf                                 | Inf                               |



## Average Power-For Mode 2

## Appendix C.2

### Result

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) | Radiated EIRP<br>[Phi 30°]<br>(dBm) | Radiated EIRP<br>Limit<br>[Phi 30°]<br>(dBm) |
|---------------------------------|--------|-------------|-----------------|-----------------|----------------------|----------------------|-------------------------------------|----------------------------------------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -           | -               | -               | -                    | -                    | -                                   | -                                            |
| 5180MHz                         | Pass   | 5.44        | 18              | 17.72           | 20.87                | 30.00                | 20.62                               | 21.00                                        |
| 5200MHz                         | Pass   | 5.44        | 17.89           | 17.87           | 20.89                | 30.00                | 20.63                               | 21.00                                        |
| 5240MHz                         | Pass   | 5.44        | 18.21           | 17.91           | 21.07                | 30.00                | 20.76                               | 21.00                                        |
| 5260MHz                         | Pass   | 5.44        | 18.29           | 18.36           | 21.34                | 23.77                | Inf                                 | Inf                                          |
| 5300MHz                         | Pass   | 5.44        | 18.66           | 18.78           | 21.73                | 23.72                | Inf                                 | Inf                                          |
| 5320MHz                         | Pass   | 5.44        | 18.66           | 18.89           | 21.79                | 23.62                | Inf                                 | Inf                                          |
| 5500MHz                         | Pass   | 5.44        | 18.7            | 19.02           | 21.87                | 23.86                | Inf                                 | Inf                                          |
| 5580MHz                         | Pass   | 5.44        | 18.16           | 18.69           | 21.44                | 23.94                | Inf                                 | Inf                                          |
| 5700MHz                         | Pass   | 5.44        | 18.53           | 18.63           | 21.59                | 23.77                | Inf                                 | Inf                                          |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | 5.44        | 17.44           | 17.69           | 20.58                | 22.73                | Inf                                 | Inf                                          |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 5.44        | 10.7            | 11.04           | 13.88                | 30.00                | Inf                                 | Inf                                          |
| 5745MHz                         | Pass   | 5.44        | 27.41           | 26.11           | 29.82                | 30.00                | Inf                                 | Inf                                          |
| 5785MHz                         | Pass   | 5.44        | 27.21           | 26.68           | 29.96                | 30.00                | Inf                                 | Inf                                          |
| 5825MHz                         | Pass   | 5.44        | 26.67           | 27.04           | 29.87                | 30.00                | Inf                                 | Inf                                          |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -                                   | -                                            |
| 5180MHz                         | Pass   | 5.44        | 17.83           | 17.49           | 20.67                | 30.00                | 20.58                               | 21.00                                        |
| 5200MHz                         | Pass   | 5.44        | 18.22           | 18.13           | 21.19                | 30.00                | 20.77                               | 21.00                                        |
| 5240MHz                         | Pass   | 5.44        | 17.82           | 17.62           | 20.73                | 30.00                | 20.46                               | 21.00                                        |
| 5260MHz                         | Pass   | 5.44        | 18.98           | 19.01           | 22.01                | 23.98                | Inf                                 | Inf                                          |
| 5300MHz                         | Pass   | 5.44        | 18.75           | 19.12           | 21.95                | 23.98                | Inf                                 | Inf                                          |
| 5320MHz                         | Pass   | 5.44        | 18.79           | 19.08           | 21.95                | 23.98                | Inf                                 | Inf                                          |
| 5500MHz                         | Pass   | 5.44        | 18.83           | 19.15           | 22.00                | 23.98                | Inf                                 | Inf                                          |
| 5580MHz                         | Pass   | 5.44        | 18.66           | 19.29           | 22.00                | 23.98                | Inf                                 | Inf                                          |
| 5700MHz                         | Pass   | 5.44        | 18.74           | 18.98           | 21.87                | 23.98                | Inf                                 | Inf                                          |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | 5.44        | 18.09           | 18.22           | 21.17                | 22.77                | Inf                                 | Inf                                          |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 5.44        | 12.3            | 12.34           | 15.33                | 30.00                | Inf                                 | Inf                                          |
| 5745MHz                         | Pass   | 5.44        | 27.24           | 26.41           | 29.86                | 30.00                | Inf                                 | Inf                                          |
| 5785MHz                         | Pass   | 5.44        | 26.93           | 26.56           | 29.76                | 30.00                | Inf                                 | Inf                                          |
| 5825MHz                         | Pass   | 5.44        | 26.33           | 26.67           | 29.51                | 30.00                | Inf                                 | Inf                                          |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -                                   | -                                            |
| 5190MHz                         | Pass   | 5.44        | 18.29           | 17.88           | 21.10                | 30.00                | 20.84                               | 21.00                                        |
| 5230MHz                         | Pass   | 5.44        | 18.76           | 18.56           | 21.67                | 30.00                | 20.53                               | 21.00                                        |
| 5270MHz                         | Pass   | 5.44        | 20.75           | 20.81           | 23.79                | 23.98                | Inf                                 | Inf                                          |
| 5310MHz                         | Pass   | 5.44        | 20.48           | 20.82           | 23.66                | 23.98                | Inf                                 | Inf                                          |
| 5510MHz                         | Pass   | 5.44        | 18.81           | 19.17           | 22.00                | 23.98                | Inf                                 | Inf                                          |
| 5550MHz                         | Pass   | 5.44        | 20.92           | 20.97           | 23.96                | 23.98                | Inf                                 | Inf                                          |
| 5670MHz                         | Pass   | 5.44        | 20.64           | 20.69           | 23.68                | 23.98                | Inf                                 | Inf                                          |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | 5.44        | 20.48           | 20.73           | 23.62                | 23.98                | Inf                                 | Inf                                          |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 5.44        | 9.6             | 9.85            | 12.74                | 30.00                | Inf                                 | Inf                                          |
| 5755MHz                         | Pass   | 5.44        | 25.02           | 25.49           | 28.27                | 30.00                | Inf                                 | Inf                                          |
| 5795MHz                         | Pass   | 5.44        | 25.55           | 26.25           | 28.92                | 30.00                | Inf                                 | Inf                                          |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | -      | -           | -               | -               | -                    | -                    | -                                   | -                                            |
| 5210MHz                         | Pass   | 5.44        | 16.81           | 17.04           | 19.94                | 30.00                | 18.81                               | 21.00                                        |
| 5290MHz                         | Pass   | 5.44        | 20.14           | 20.38           | 23.27                | 23.98                | Inf                                 | Inf                                          |
| 5530MHz                         | Pass   | 5.44        | 18.74           | 19.26           | 22.02                | 23.98                | Inf                                 | Inf                                          |
| 5610MHz                         | Pass   | 5.44        | 20.54           | 20.92           | 23.74                | 23.98                | Inf                                 | Inf                                          |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | 5.44        | 20.51           | 20.66           | 23.60                | 23.98                | Inf                                 | Inf                                          |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 5.44        | 5.43            | 5.53            | 8.49                 | 30.00                | Inf                                 | Inf                                          |
| 5775MHz                         | Pass   | 5.44        | 23.16           | 23.67           | 26.43                | 30.00                | Inf                                 | Inf                                          |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | -      | -           | -               | -               | -                    | -                    | -                                   | -                                            |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | 5.44        | 14.71           | 14.81           | 17.77                | 30.00                | 18.56                               | 21.00                                        |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | 5.44        | 14.27           | 14.37           | 17.33                | 23.98                | Inf                                 | Inf                                          |



## Average Power-For Mode 2

## Appendix C.2

| Mode                               | Result | DG<br><br>(dBi) | Port 1<br><br>(dBm) | Port 2<br><br>(dBm) | Total Power<br><br>(dBm) | Power Limit<br><br>(dBm) | Radiated EIRP<br>[Phi 30°]<br><br>(dBm) | Radiated EIRP<br>Limit<br>[Phi 30°]<br><br>(dBm) |
|------------------------------------|--------|-----------------|---------------------|---------------------|--------------------------|--------------------------|-----------------------------------------|--------------------------------------------------|
| 5570MHz                            | Pass   | 5.44            | 17.8                | 18.27               | 21.05                    | 23.98                    | Inf                                     | Inf                                              |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX  | -      | -               | -                   | -                   | -                        | -                        | -                                       | -                                                |
| 5180MHz                            | Pass   | 7.95            | 14.64               | 14.31               | 17.49                    | 28.05                    | 20.99                                   | 21.00                                            |
| 5200MHz                            | Pass   | 7.95            | 15.33               | 15.16               | 18.26                    | 28.05                    | 20.74                                   | 21.00                                            |
| 5240MHz                            | Pass   | 7.95            | 14.88               | 14.87               | 17.89                    | 28.05                    | 20.47                                   | 21.00                                            |
| 5260MHz                            | Pass   | 7.95            | 18.98               | 19.01               | 22.01                    | 22.03                    | Inf                                     | Inf                                              |
| 5300MHz                            | Pass   | 7.95            | 18.75               | 19.12               | 21.95                    | 22.03                    | Inf                                     | Inf                                              |
| 5320MHz                            | Pass   | 7.95            | 18.79               | 19.08               | 21.95                    | 22.03                    | Inf                                     | Inf                                              |
| 5500MHz                            | Pass   | 7.95            | 18.83               | 19.15               | 22.00                    | 22.03                    | Inf                                     | Inf                                              |
| 5580MHz                            | Pass   | 7.95            | 18.66               | 19.29               | 22.00                    | 22.03                    | Inf                                     | Inf                                              |
| 5700MHz                            | Pass   | 7.95            | 18.74               | 18.98               | 21.87                    | 22.03                    | Inf                                     | Inf                                              |
| 5720MHz Straddle 5.47-5.725GHz     | Pass   | 7.95            | 18.09               | 18.22               | 21.17                    | 22.03                    | Inf                                     | Inf                                              |
| 5720MHz Straddle 5.725-5.85GHz     | Pass   | 7.95            | 12.3                | 12.34               | 15.33                    | 28.05                    | Inf                                     | Inf                                              |
| 5745MHz                            | Pass   | 7.95            | 24.60               | 24.95               | 27.79                    | 28.05                    | Inf                                     | Inf                                              |
| 5785MHz                            | Pass   | 7.95            | 24.34               | 24.86               | 27.62                    | 28.05                    | Inf                                     | Inf                                              |
| 5825MHz                            | Pass   | 7.95            | 24.28               | 24.87               | 27.60                    | 28.05                    | Inf                                     | Inf                                              |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX  | -      | -               | -                   | -                   | -                        | -                        | -                                       | -                                                |
| 5190MHz                            | Pass   | 7.95            | 15.24               | 14.85               | 18.06                    | 28.05                    | 20.82                                   | 21.00                                            |
| 5230MHz                            | Pass   | 7.95            | 15.67               | 15.93               | 18.81                    | 28.05                    | 20.73                                   | 21.00                                            |
| 5270MHz                            | Pass   | 7.95            | 18.64               | 18.68               | 21.67                    | 22.03                    | Inf                                     | Inf                                              |
| 5310MHz                            | Pass   | 7.95            | 18.84               | 19.10               | 21.98                    | 22.03                    | Inf                                     | Inf                                              |
| 5510MHz                            | Pass   | 7.95            | 18.81               | 19.17               | 22.00                    | 22.03                    | Inf                                     | Inf                                              |
| 5550MHz                            | Pass   | 7.95            | 18.74               | 19.21               | 21.99                    | 22.03                    | Inf                                     | Inf                                              |
| 5670MHz                            | Pass   | 7.95            | 18.56               | 18.75               | 21.67                    | 22.03                    | Inf                                     | Inf                                              |
| 5710MHz Straddle 5.47-5.725GHz     | Pass   | 7.95            | 18.92               | 19.10               | 22.02                    | 22.03                    | Inf                                     | Inf                                              |
| 5710MHz Straddle 5.725-5.85GHz     | Pass   | 7.95            | 8.07                | 8.17                | 11.13                    | 28.05                    | Inf                                     | Inf                                              |
| 5755MHz                            | Pass   | 7.95            | 24.53               | 24.83               | 27.69                    | 28.05                    | Inf                                     | Inf                                              |
| 5795MHz                            | Pass   | 7.95            | 24.43               | 25.06               | 27.77                    | 28.05                    | Inf                                     | Inf                                              |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX  | -      | -               | -                   | -                   | -                        | -                        | -                                       | -                                                |
| 5210MHz                            | Pass   | 7.95            | 16.18               | 16                  | 19.10                    | 28.05                    | 20.86                                   | 21.00                                            |
| 5290MHz                            | Pass   | 7.95            | 18.48               | 18.83               | 21.67                    | 22.03                    | Inf                                     | Inf                                              |
| 5530MHz                            | Pass   | 7.95            | 18.74               | 19.26               | 22.02                    | 22.03                    | Inf                                     | Inf                                              |
| 5610MHz                            | Pass   | 7.95            | 18.29               | 19.01               | 21.68                    | 22.03                    | Inf                                     | Inf                                              |
| 5690MHz Straddle 5.47-5.725GHz     | Pass   | 7.95            | 18.53               | 18.65               | 21.60                    | 22.03                    | Inf                                     | Inf                                              |
| 5690MHz Straddle 5.725-5.85GHz     | Pass   | 7.95            | 3.40                | 3.48                | 6.45                     | 28.05                    | Inf                                     | Inf                                              |
| 5775MHz                            | Pass   | 7.95            | 23.16               | 23.67               | 26.43                    | 28.05                    | Inf                                     | Inf                                              |
| 802.11ax HEW160-BF_Nss1,(MCS0)_2TX | -      | -               | -                   | -                   | -                        | -                        | -                                       | -                                                |
| 5250MHz Straddle 5.15-5.25GHz      | Pass   | 7.95            | 14.46               | 14.43               | 17.46                    | 28.05                    | 20.82                                   | 21.00                                            |
| 5250MHz Straddle 5.25-5.35GHz      | Pass   | 7.95            | 14.03               | 13.94               | 17.00                    | 22.03                    | Inf                                     | Inf                                              |
| 5570MHz                            | Pass   | 7.95            | 17.8                | 18.27               | 21.05                    | 22.03                    | Inf                                     | Inf                                              |

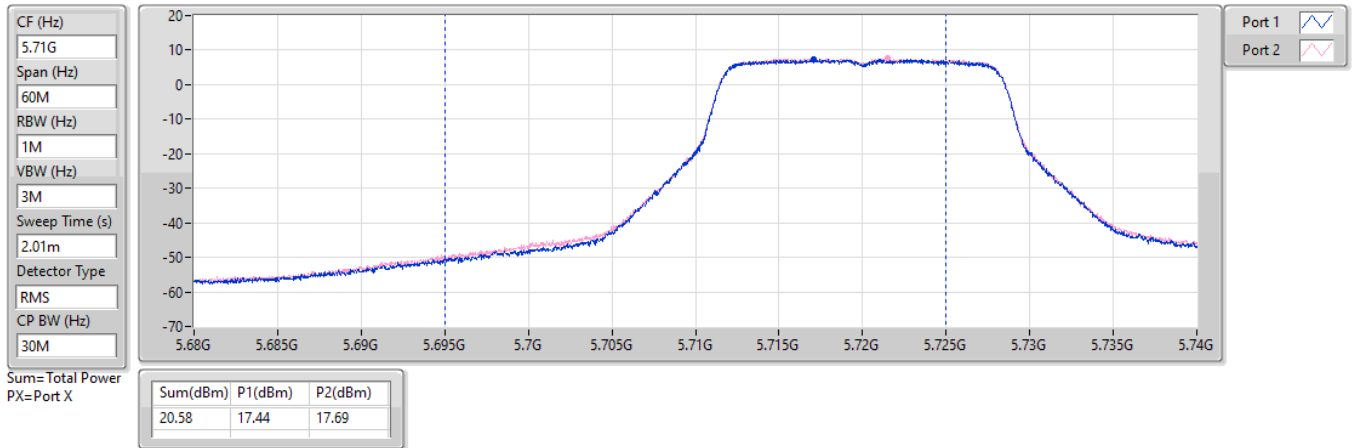
DG = Directional Gain; Port X = Port X output power

5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz\_TX

16/08/2023

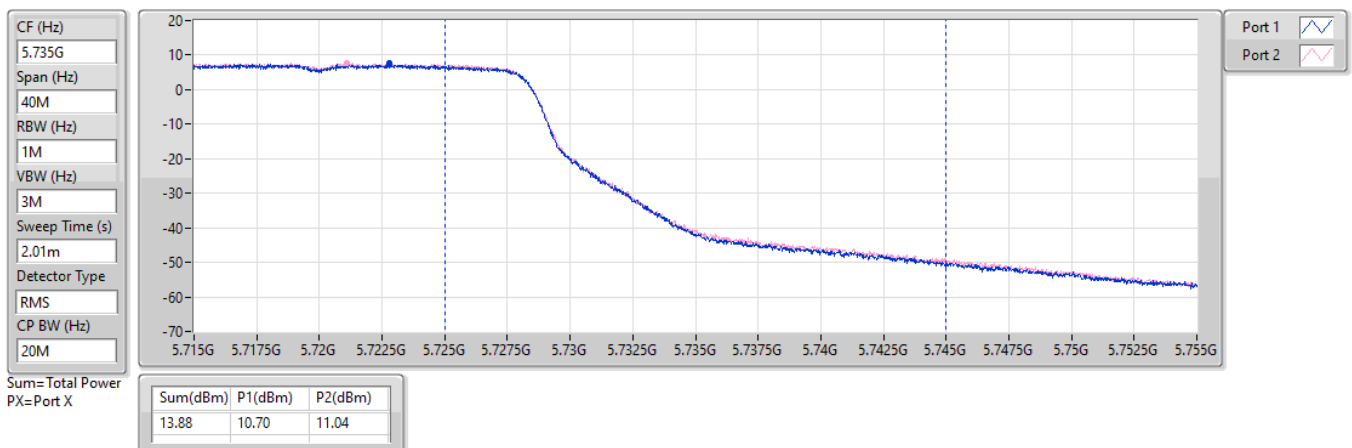


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz\_TX

16/08/2023

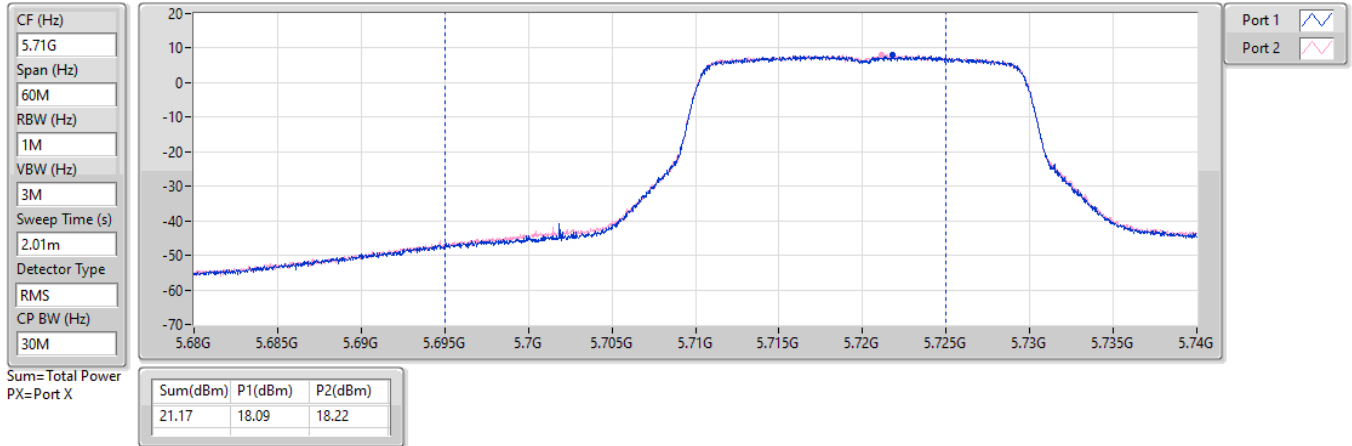


5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz\_TX

16/08/2023

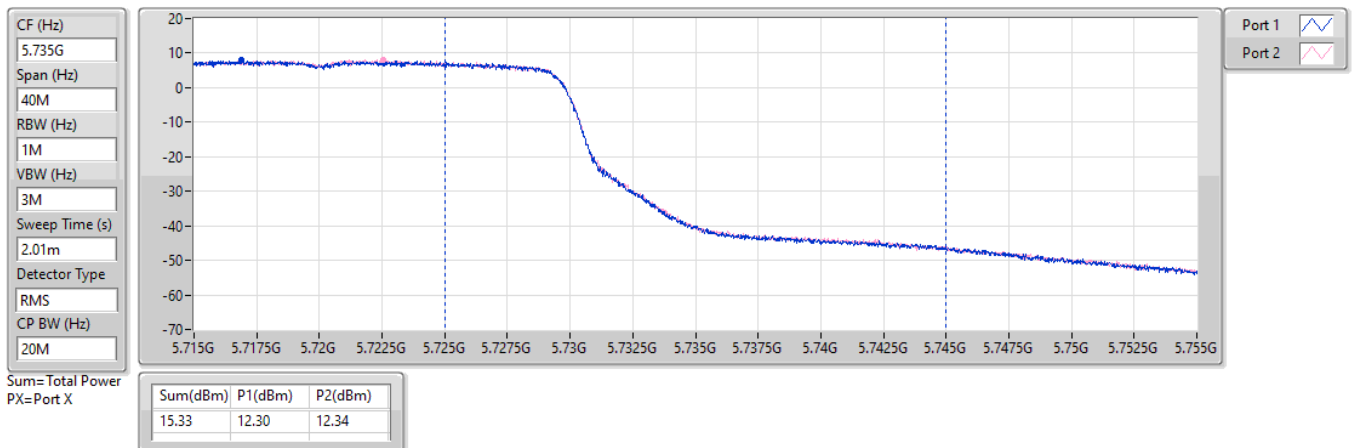


5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz\_TX

16/08/2023

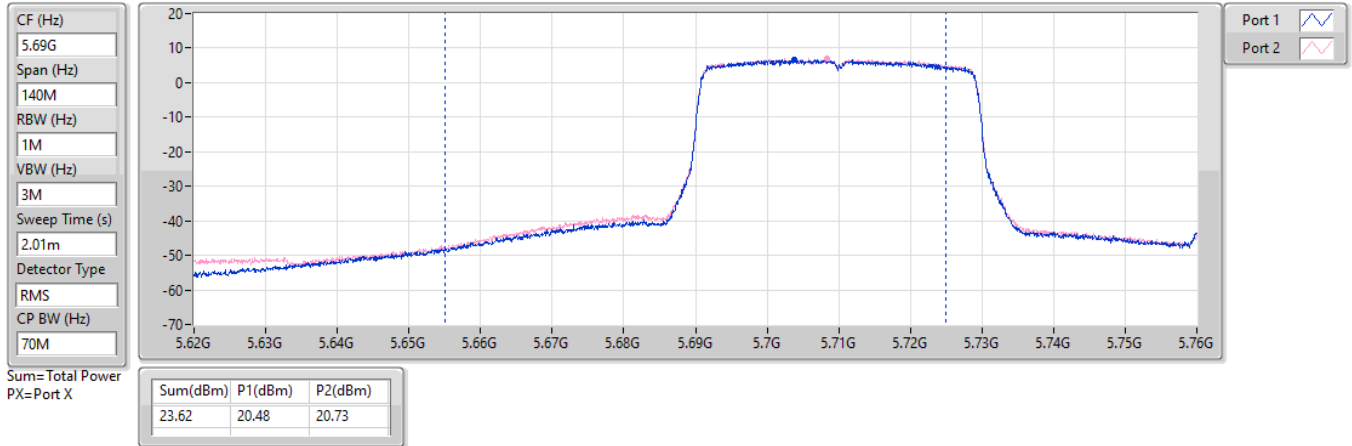


5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz\_TX

16/08/2023

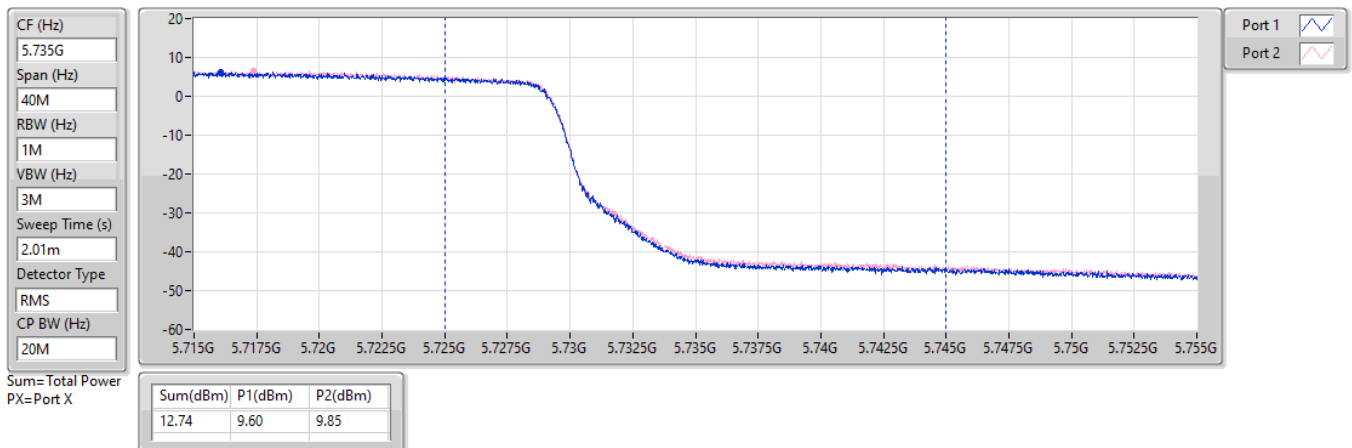


5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz\_TX

16/08/2023

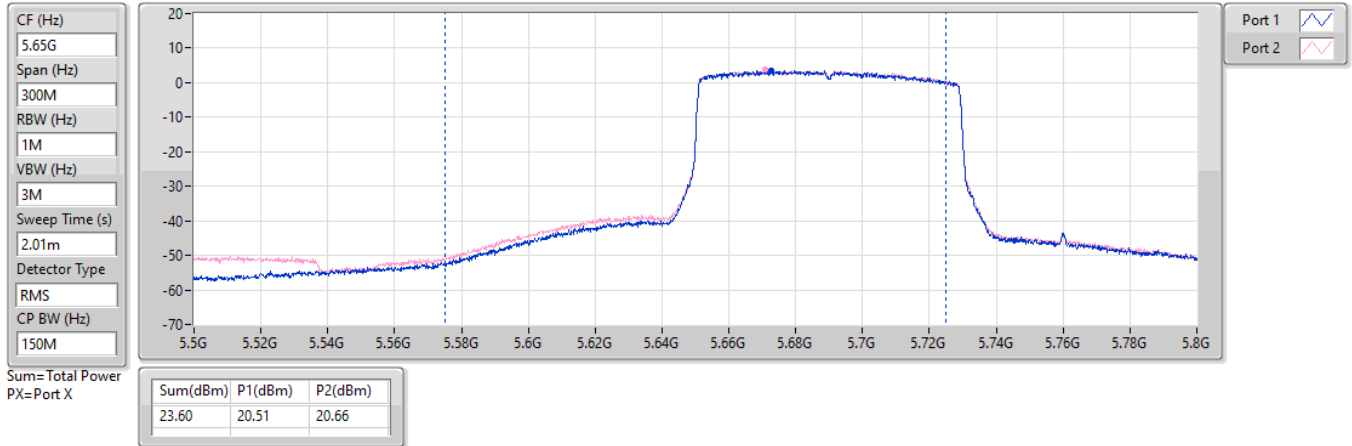


5.47-5.725GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz\_TX

16/08/2023

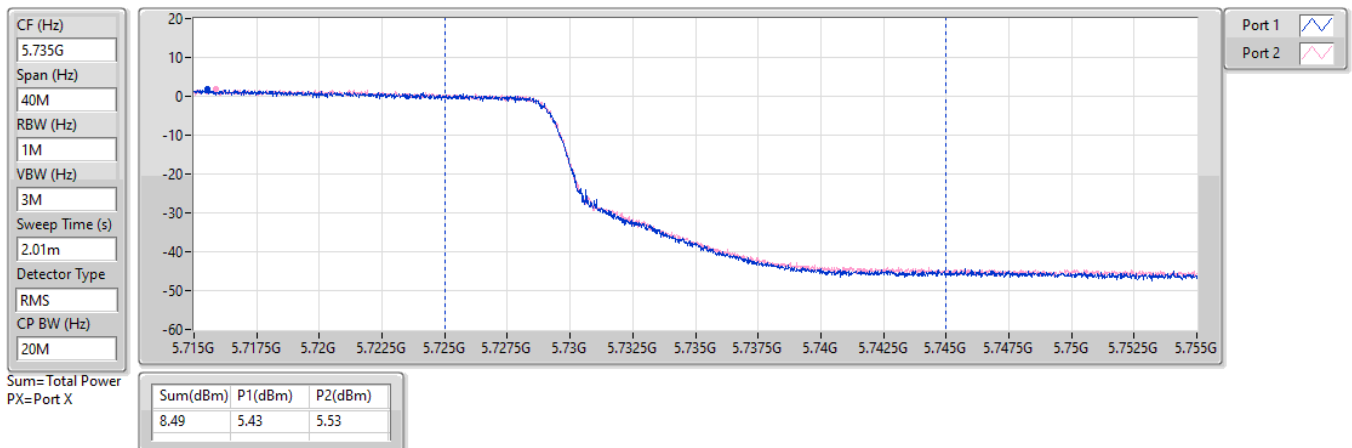


5.725-5.85GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz\_TX

16/08/2023

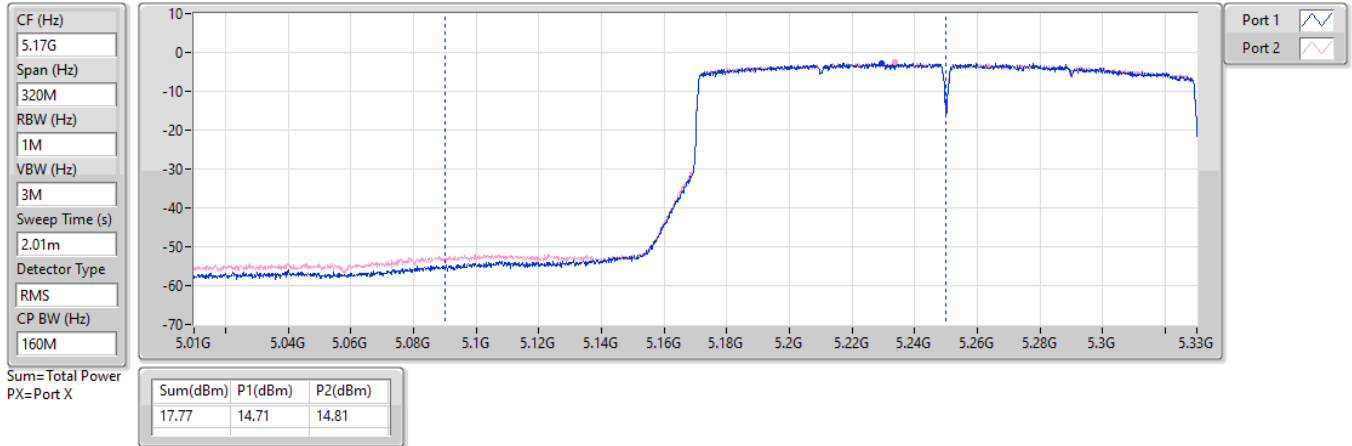


5.15-5.25GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz\_TX

16/08/2023

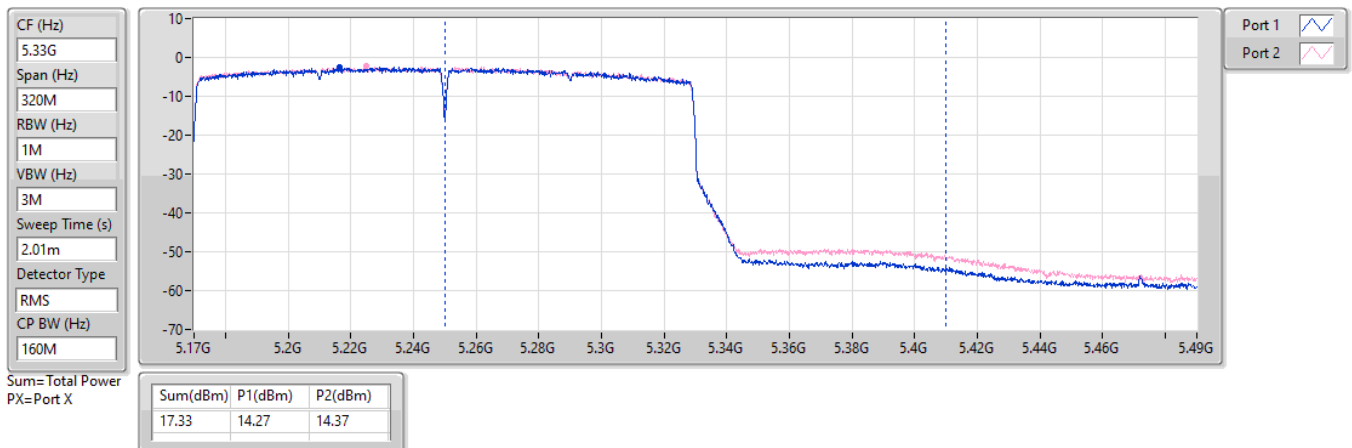


5.25-5.35GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz\_TX

16/08/2023

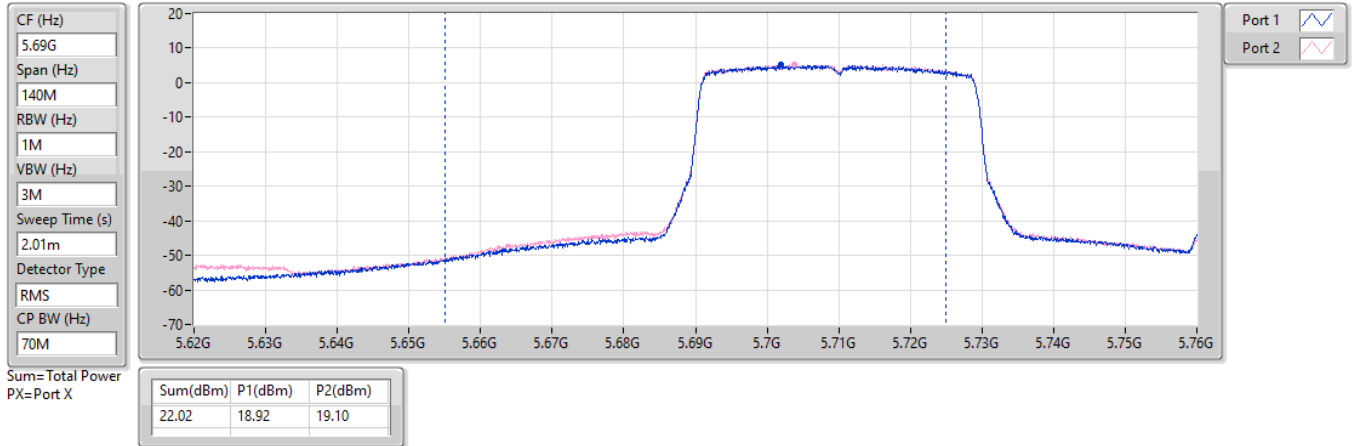


5.47-5.725GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz\_TX

16/08/2023

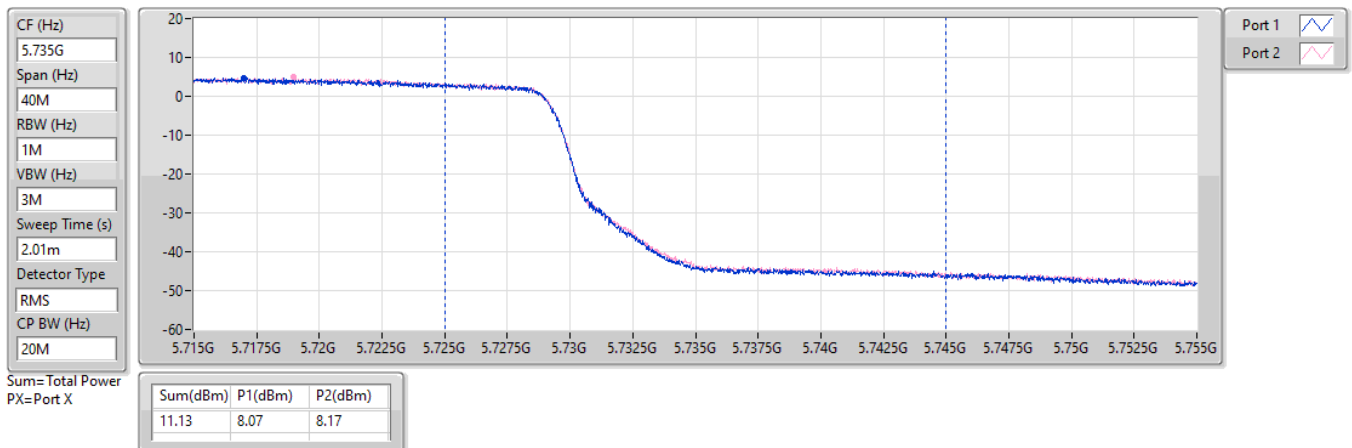


5.725-5.85GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz\_TX

16/08/2023

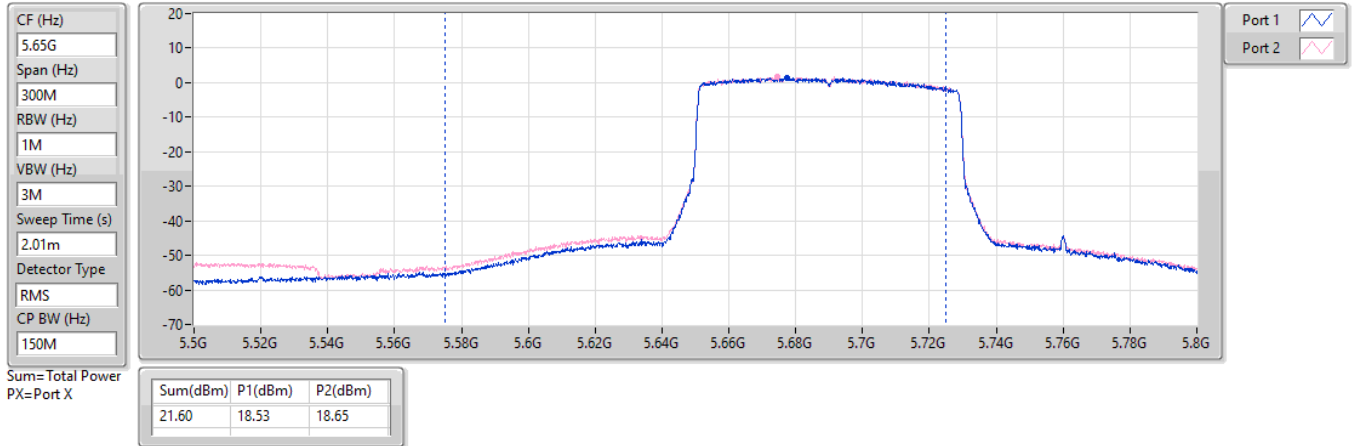


5.47-5.725GHz\_802.11ax HEW80-BF\_Nss1,(MCS0)\_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz\_TX

16/08/2023

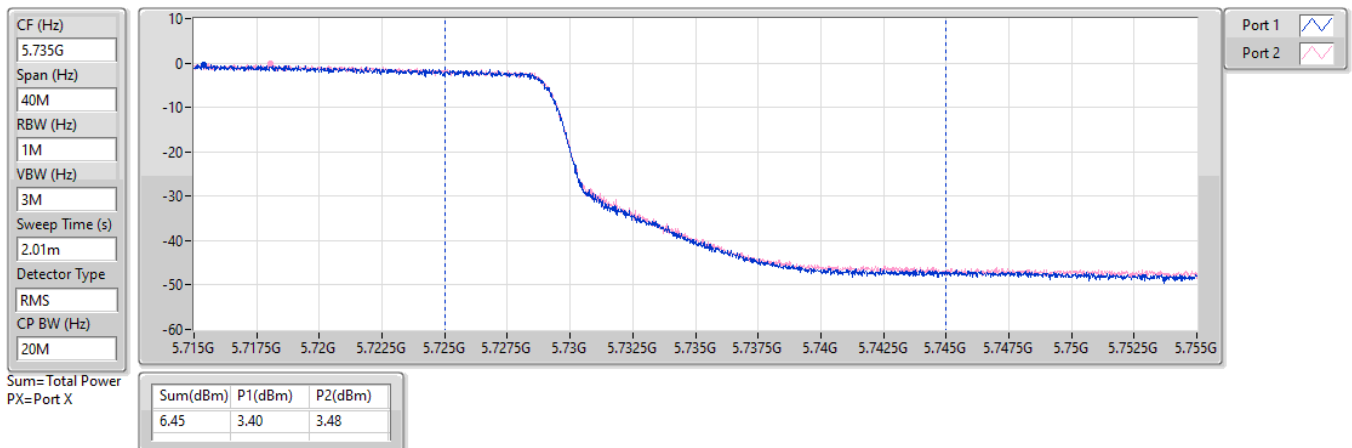


5.725-5.85GHz\_802.11ax HEW80-BF\_Nss1,(MCS0)\_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz\_TX

16/08/2023

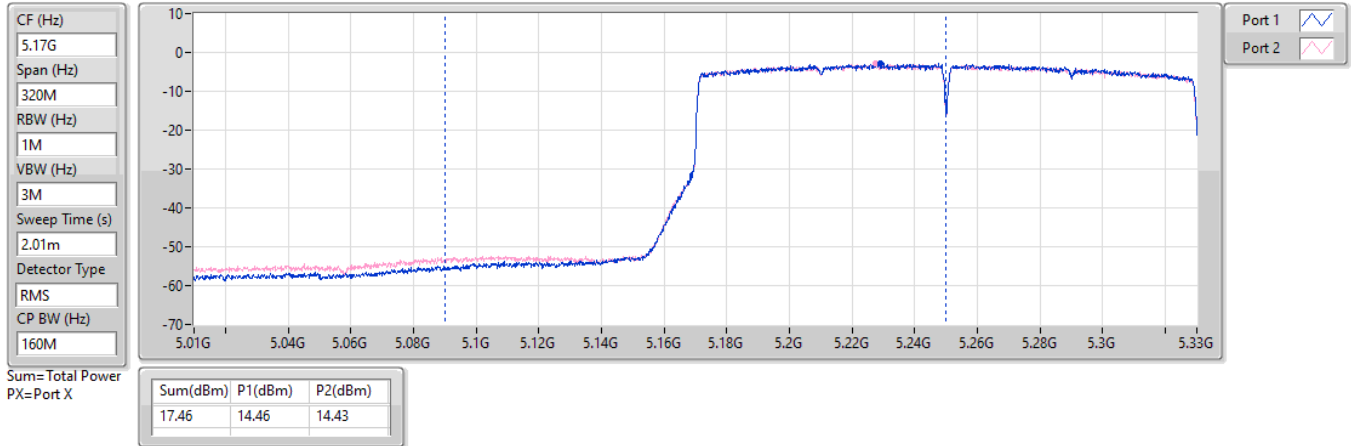


5.15-5.25GHz\_802.11ax HEW160-BF\_Nss1,(MCS0)\_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz\_TX

21/07/2023

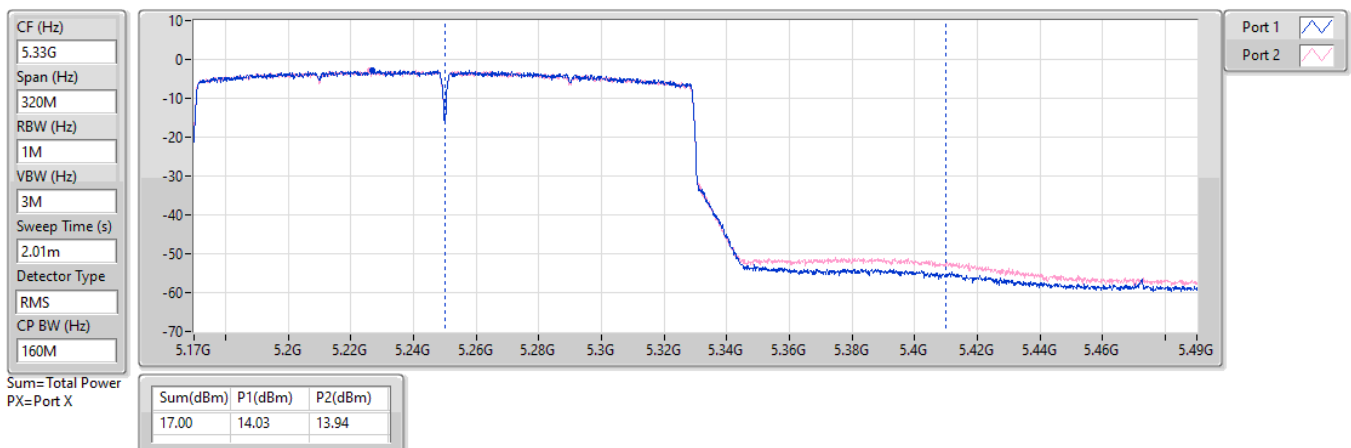


5.25-5.35GHz\_802.11ax HEW160-BF\_Nss1,(MCS0)\_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz\_TX

21/07/2023



**Summary**

| Mode                            | PD<br>(dBm/RBW) |
|---------------------------------|-----------------|
| 5.15-5.25GHz                    | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 13.20           |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 12.81           |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 9.89            |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 3.52            |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | 0.73            |
| 5.25-5.35GHz                    | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 7.35            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 7.34            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 6.97            |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 3.71            |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | 0.79            |
| 5.47-5.725GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 7.33            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 7.34            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 6.90            |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 3.90            |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | 1.12            |
| 5.725-5.85GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 14.65           |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 13.99           |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 11.16           |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 6.49            |

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) |
|---------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -           | -                   | -                   | -               | -                     |
| 5180MHz                         | Pass   | 9.62        | 9.86                | 10.56               | 13.20           | 13.38                 |
| 5200MHz                         | Pass   | 9.62        | 8.82                | 9.32                | 12.01           | 13.38                 |
| 5240MHz                         | Pass   | 9.62        | 9.81                | 10.61               | 13.05           | 13.38                 |
| 5260MHz                         | Pass   | 9.62        | 3.76                | 4.88                | 7.28            | 7.38                  |
| 5300MHz                         | Pass   | 9.62        | 3.87                | 4.57                | 7.15            | 7.38                  |
| 5320MHz                         | Pass   | 9.62        | 3.96                | 4.88                | 7.35            | 7.38                  |
| 5500MHz                         | Pass   | 9.62        | 3.94                | 4.84                | 7.33            | 7.38                  |
| 5580MHz                         | Pass   | 9.62        | 3.60                | 4.47                | 7.05            | 7.38                  |
| 5700MHz                         | Pass   | 9.62        | 4.09                | 4.53                | 7.32            | 7.38                  |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | 9.62        | 3.95                | 4.38                | 7.15            | 7.38                  |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 9.62        | 1.90                | 2.42                | 5.17            | 26.38                 |
| 5745MHz                         | Pass   | 9.62        | 11.08               | 11.77               | 14.38           | 26.38                 |
| 5785MHz                         | Pass   | 9.62        | 10.97               | 11.81               | 14.37           | 26.38                 |
| 5825MHz                         | Pass   | 9.62        | 11.09               | 12.21               | 14.65           | 26.38                 |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | -      | -           | -                   | -                   | -               | -                     |
| 5180MHz                         | Pass   | 9.62        | 7.97                | 8.70                | 11.30           | 13.38                 |
| 5200MHz                         | Pass   | 9.62        | 8.50                | 9.11                | 11.75           | 13.38                 |
| 5240MHz                         | Pass   | 9.62        | 9.51                | 10.11               | 12.81           | 13.38                 |
| 5260MHz                         | Pass   | 9.62        | 3.53                | 4.51                | 7.02            | 7.38                  |
| 5300MHz                         | Pass   | 9.62        | 4.01                | 4.84                | 7.34            | 7.38                  |
| 5320MHz                         | Pass   | 9.62        | 3.62                | 4.55                | 7.03            | 7.38                  |
| 5500MHz                         | Pass   | 9.62        | 3.71                | 4.43                | 7.05            | 7.38                  |
| 5580MHz                         | Pass   | 9.62        | 3.89                | 4.78                | 7.34            | 7.38                  |
| 5700MHz                         | Pass   | 9.62        | 3.81                | 4.31                | 7.06            | 7.38                  |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | 9.62        | 4.07                | 4.46                | 7.20            | 7.38                  |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 9.62        | 1.73                | 2.11                | 4.91            | 26.38                 |
| 5745MHz                         | Pass   | 9.62        | 10.54               | 11.50               | 13.99           | 26.38                 |
| 5785MHz                         | Pass   | 9.62        | 10.42               | 11.51               | 13.97           | 26.38                 |
| 5825MHz                         | Pass   | 9.62        | 10.34               | 11.65               | 13.96           | 26.38                 |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | -      | -           | -                   | -                   | -               | -                     |
| 5190MHz                         | Pass   | 9.62        | 3.37                | 4.21                | 6.77            | 13.38                 |
| 5230MHz                         | Pass   | 9.62        | 6.67                | 7.20                | 9.89            | 13.38                 |
| 5270MHz                         | Pass   | 9.62        | 3.31                | 4.16                | 6.62            | 7.38                  |
| 5310MHz                         | Pass   | 9.62        | 3.78                | 4.44                | 6.97            | 7.38                  |
| 5510MHz                         | Pass   | 9.62        | 3.37                | 4.24                | 6.79            | 7.38                  |
| 5550MHz                         | Pass   | 9.62        | 3.28                | 3.98                | 6.55            | 7.38                  |
| 5670MHz                         | Pass   | 9.62        | 3.47                | 4.15                | 6.72            | 7.38                  |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | 9.62        | 3.53                | 4.26                | 6.90            | 7.38                  |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 9.62        | 0.11                | 0.93                | 3.50            | 26.38                 |
| 5755MHz                         | Pass   | 9.62        | 7.84                | 8.61                | 11.16           | 26.38                 |
| 5795MHz                         | Pass   | 9.62        | 7.44                | 8.42                | 10.90           | 26.38                 |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | -      | -           | -                   | -                   | -               | -                     |
| 5210MHz                         | Pass   | 9.62        | 0.26                | 0.92                | 3.52            | 13.38                 |
| 5290MHz                         | Pass   | 9.62        | 0.33                | 1.19                | 3.71            | 7.38                  |
| 5530MHz                         | Pass   | 9.62        | 0.68                | 1.17                | 3.90            | 7.38                  |
| 5610MHz                         | Pass   | 9.62        | 0.32                | 1.23                | 3.76            | 7.38                  |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | 9.62        | 0.15                | 1.16                | 3.65            | 7.38                  |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 9.62        | -4.47               | -3.44               | -0.97           | 26.38                 |
| 5775MHz                         | Pass   | 9.62        | 3.12                | 3.97                | 6.49            | 26.38                 |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | 9.62        | -2.59               | -1.80               | 0.73            | 13.38                 |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | 9.62        | -2.65               | -1.60               | 0.79            | 7.38                  |
| 5570MHz                         | Pass   | 9.62        | -2.26               | -1.37               | 1.12            | 7.38                  |

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;

5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5180MHz

15/08/2023

CF (Hz)  
5.18G

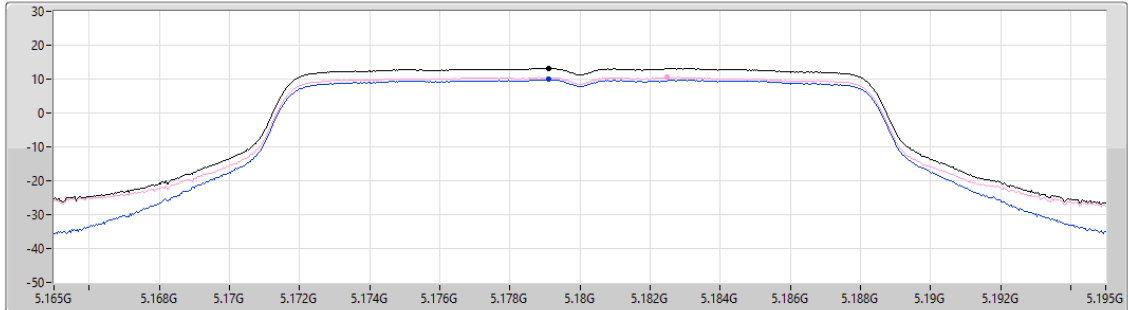
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.958

Detector Type  
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 13.20    | 13.20    | 9.86     | 10.56    |

5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5200MHz

15/08/2023

CF (Hz)  
5.2G

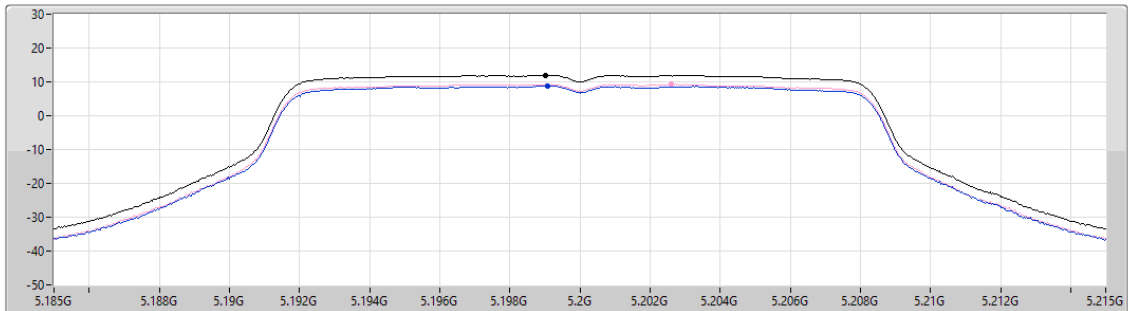
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.958

Detector Type  
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 12.01    | 12.01    | 8.82     | 9.32     |

5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5240MHz

15/08/2023

CF (Hz)  
5.24G

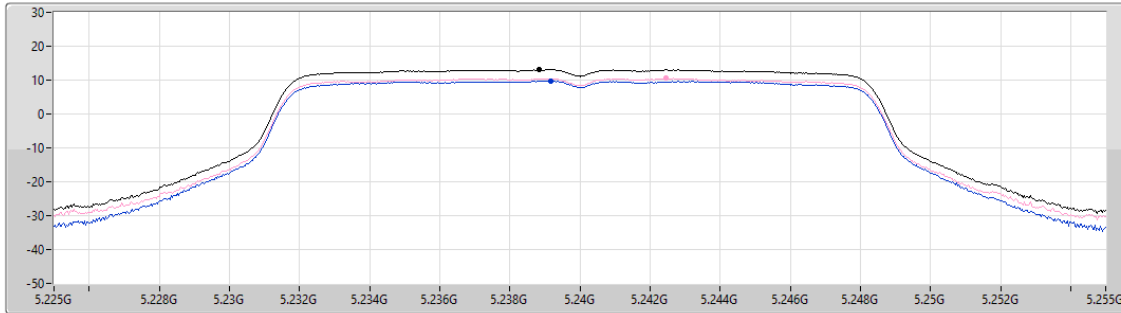
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.958

Detector Type  
RMS



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 13.05    | 13.05    | 9.81     | 10.61    |

Sum ☒

Port 1 ☒

Port 2 ☒

5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5260MHz

15/08/2023

CF (Hz)  
5.26G

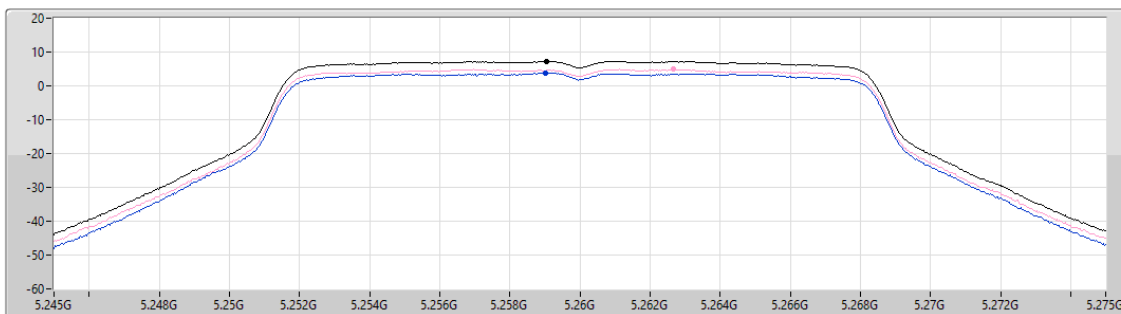
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.958

Detector Type  
RMS



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.28     | 7.28     | 3.76     | 4.88     |

Sum ☒

Port 1 ☒

Port 2 ☒

5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5300MHz

15/08/2023

CF (Hz)  
5.3G

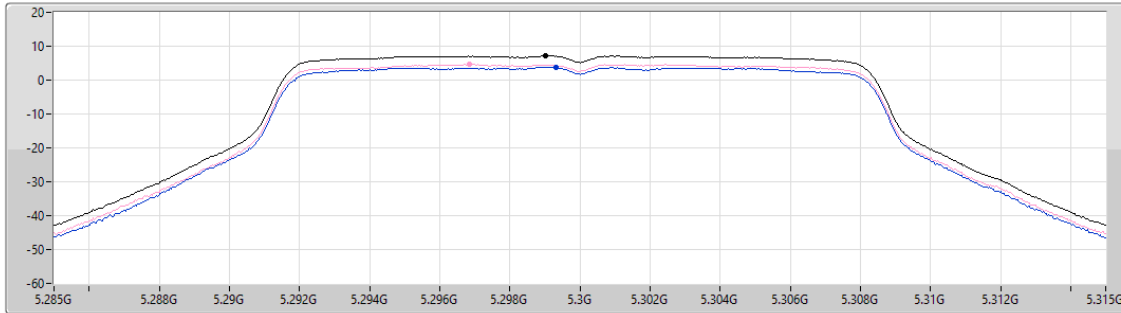
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.958

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.15     | 7.15     | 3.87     | 4.57     |

5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5320MHz

15/08/2023

CF (Hz)  
5.32G

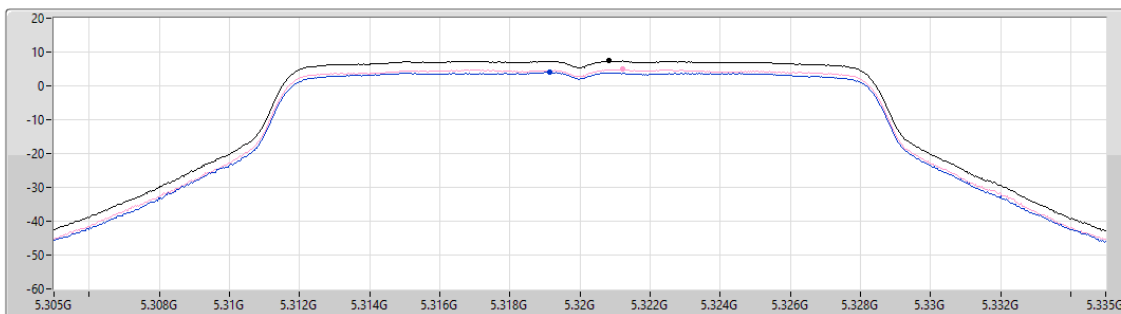
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.958

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.35     | 7.35     | 3.96     | 4.88     |

5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5500MHz

15/08/2023

CF (Hz)  
5.5G

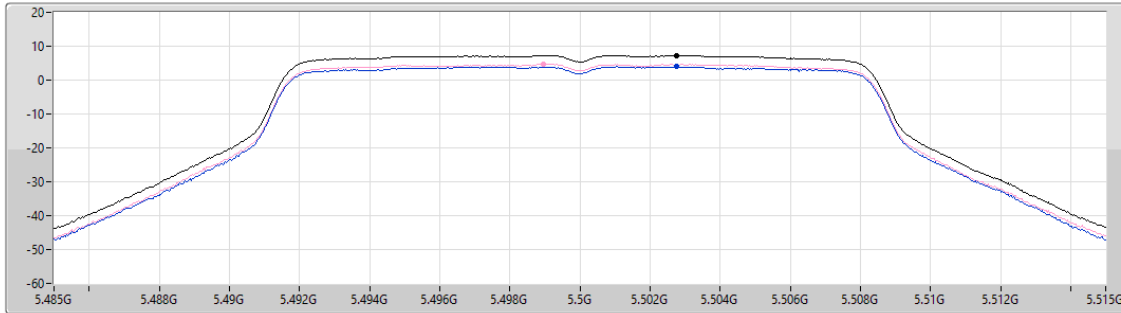
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.958

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.33      | 7.33      | 3.94      | 4.84      |

5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5580MHz

15/08/2023

CF (Hz)  
5.58G

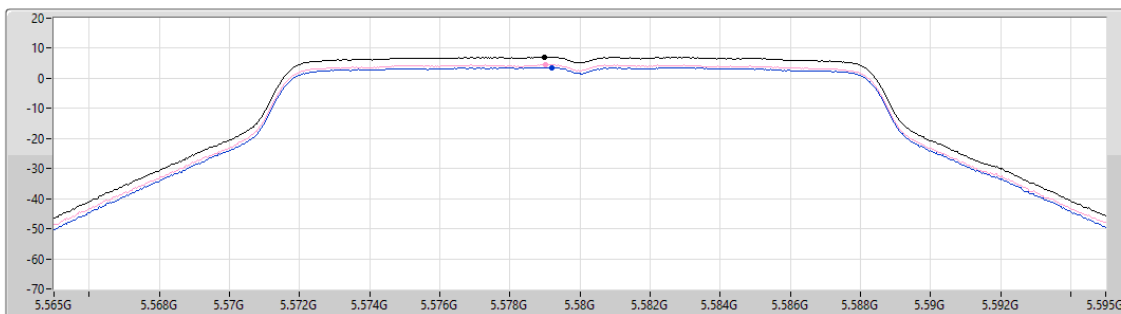
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.958

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.05      | 7.05      | 3.60      | 4.47      |

5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5700MHz

15/08/2023

CF (Hz)  
5.7G

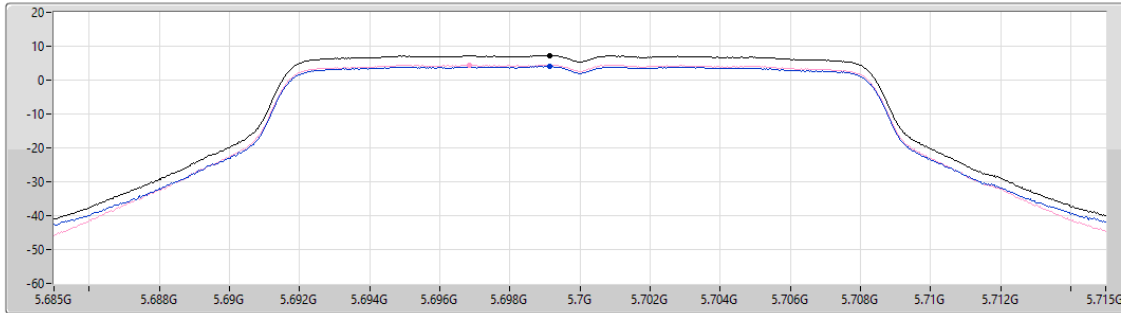
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.958

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.32     | 7.32     | 4.09     | 4.53     |

5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

15/08/2023

CF (Hz)  
5.71G

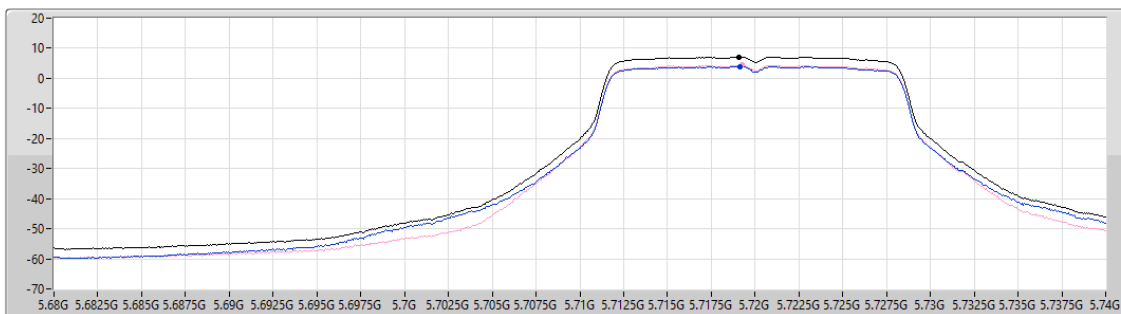
Span (Hz)  
60M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.958

Detector Type  
RMS



Sum 

Port 1 

Port 2 

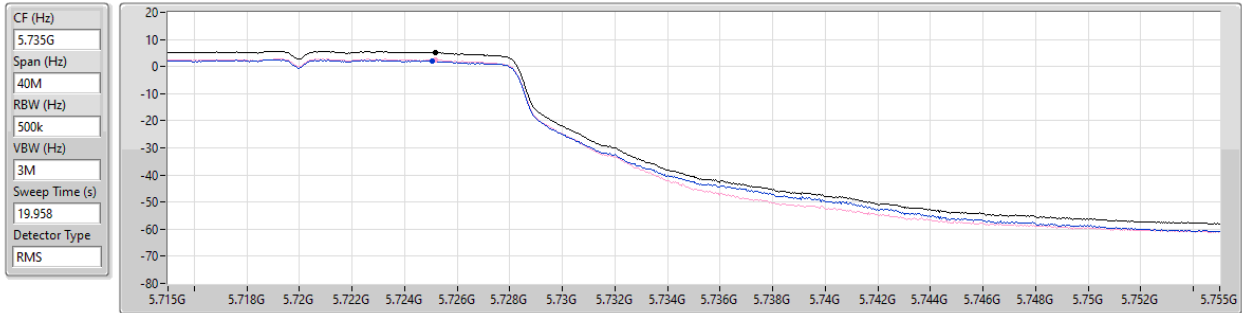
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.15     | 7.15     | 3.95     | 4.38     |

5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

15/08/2023



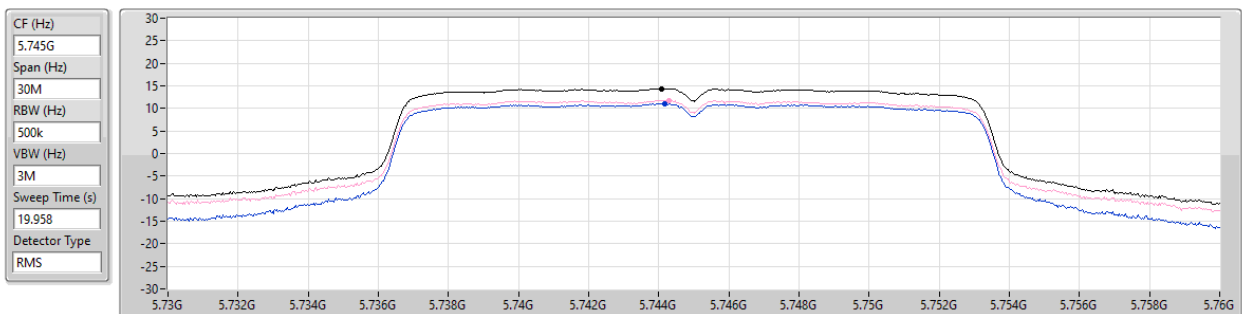
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 5.17     | 5.17     | 1.90     | 2.42     |

5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5745MHz

15/08/2023



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 14.38    | 14.38    | 11.08    | 11.77    |

5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5785MHz

15/08/2023

CF (Hz)  
5.785G

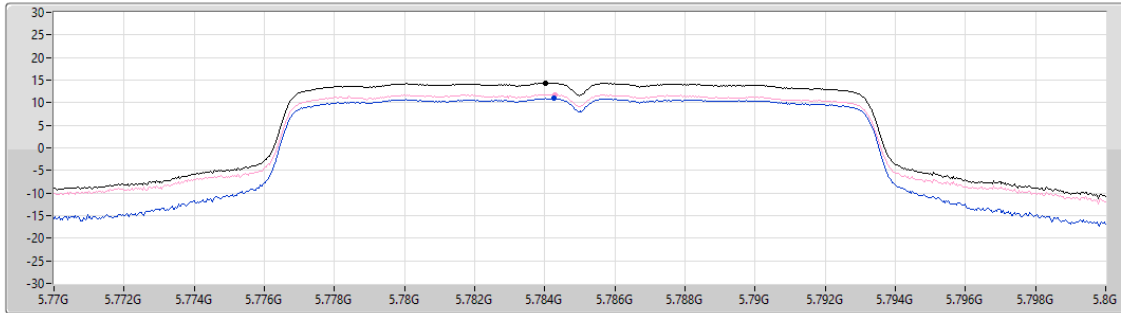
Span (Hz)  
30M

RBW (Hz)  
500k

VBW (Hz)  
3M

Sweep Time (s)  
19.958

Detector Type  
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 14.37     | 14.37     | 10.97     | 11.81     |

5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5825MHz

15/08/2023

CF (Hz)  
5.825G

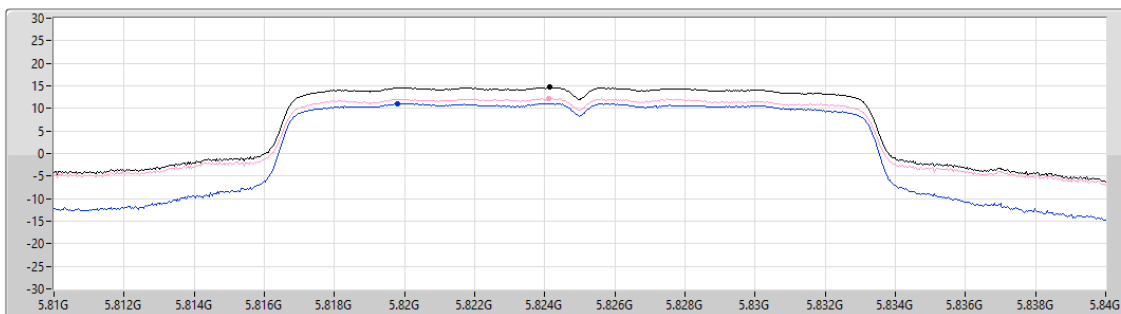
Span (Hz)  
30M

RBW (Hz)  
500k

VBW (Hz)  
3M

Sweep Time (s)  
19.958

Detector Type  
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 14.65     | 14.65     | 11.09     | 12.21     |

5.15-5.25GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

PSD

5180MHz

15/08/2023

CF (Hz)  
5.18G

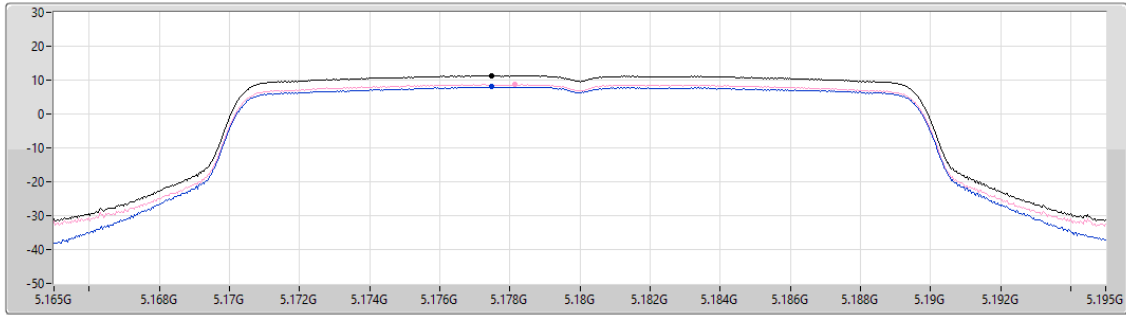
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.673

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.30     | 11.30     | 7.97      | 8.70      |

5.15-5.25GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

PSD

5200MHz

15/08/2023

CF (Hz)  
5.2G

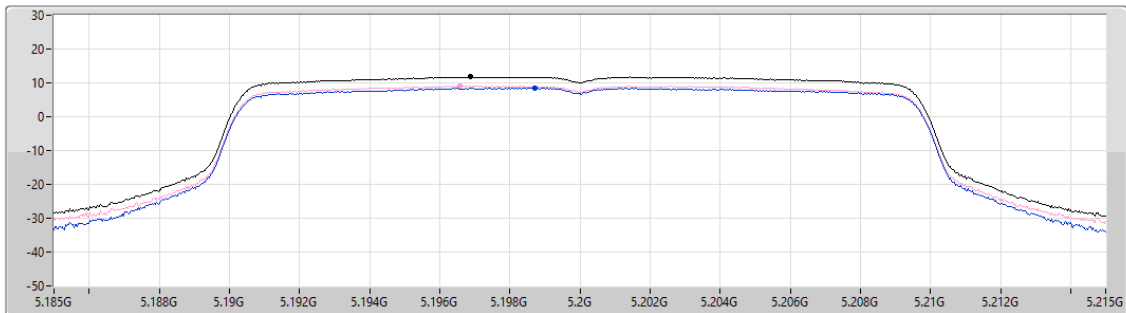
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.673

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.75     | 11.75     | 8.50      | 9.11      |

5.15-5.25GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

5240MHz

15/08/2023

CF (Hz)  
5.24G

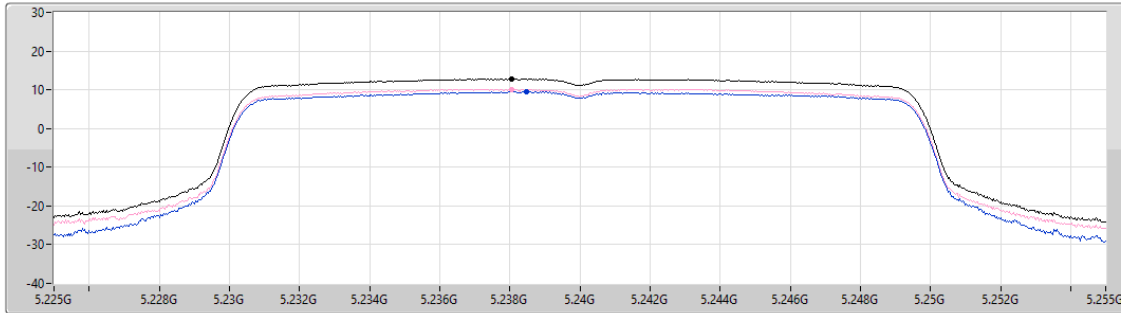
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.673

Detector Type  
RMS



| Sum<br>(dBm/Hz) | PD<br>(dBm/Hz) | Port 1<br>(dBm/Hz) | Port 2<br>(dBm/Hz) |
|-----------------|----------------|--------------------|--------------------|
| 12.81           | 12.81          | 9.51               | 10.11              |

5.25-5.35GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

5260MHz

15/08/2023

CF (Hz)  
5.26G

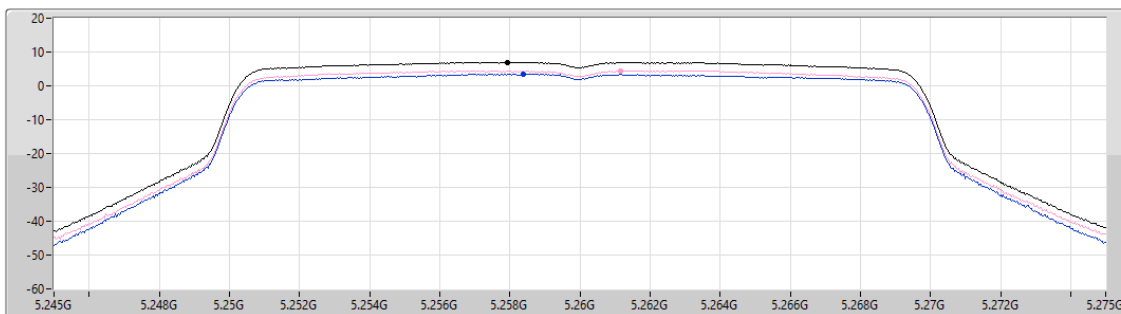
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.673

Detector Type  
RMS



| Sum<br>(dBm/Hz) | PD<br>(dBm/Hz) | Port 1<br>(dBm/Hz) | Port 2<br>(dBm/Hz) |
|-----------------|----------------|--------------------|--------------------|
| 7.02            | 7.02           | 3.53               | 4.51               |

5.25-5.35GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

PSD

5300MHz

15/08/2023

CF (Hz)  
5.3G

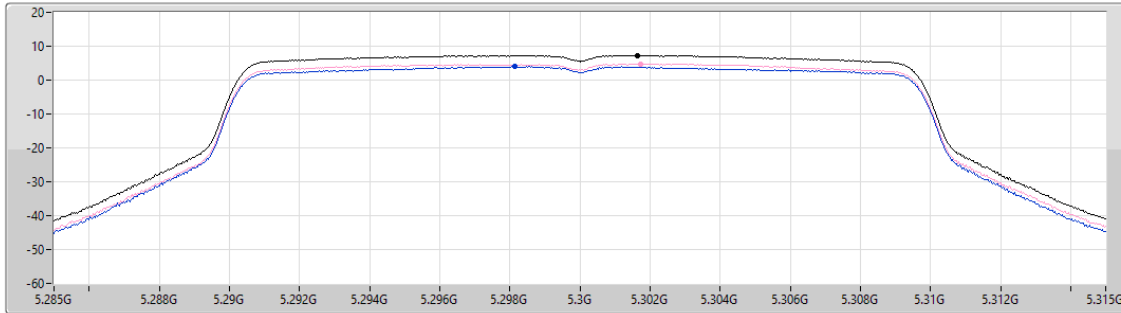
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.673

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.34      | 7.34      | 4.01      | 4.84      |

5.25-5.35GHz\_802.11ax\_HEW20\_Nss1,(MCS0)\_2TX

PSD

5320MHz

15/08/2023

CF (Hz)  
5.32G

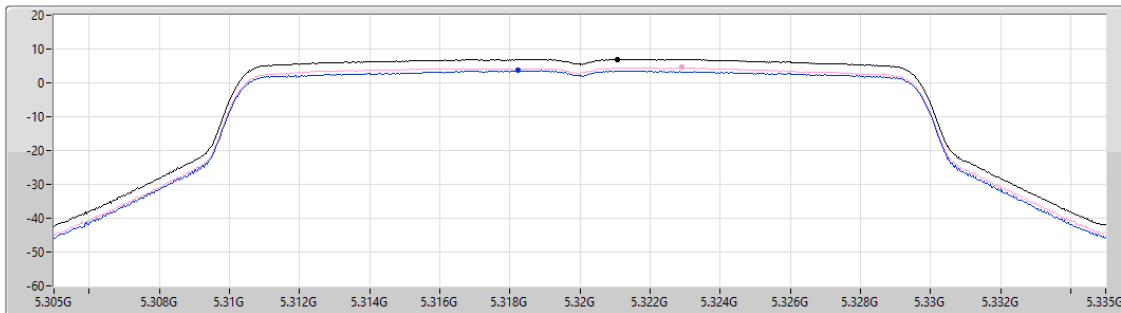
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.673

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.03      | 7.03      | 3.62      | 4.55      |

5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

5500MHz

15/08/2023

CF (Hz)  
5.5G

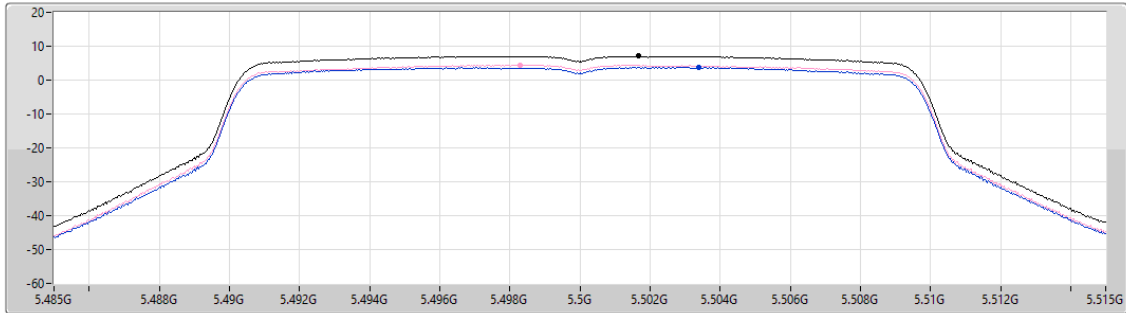
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.673

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.05     | 7.05     | 3.71     | 4.43     |

5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

5580MHz

15/08/2023

CF (Hz)  
5.58G

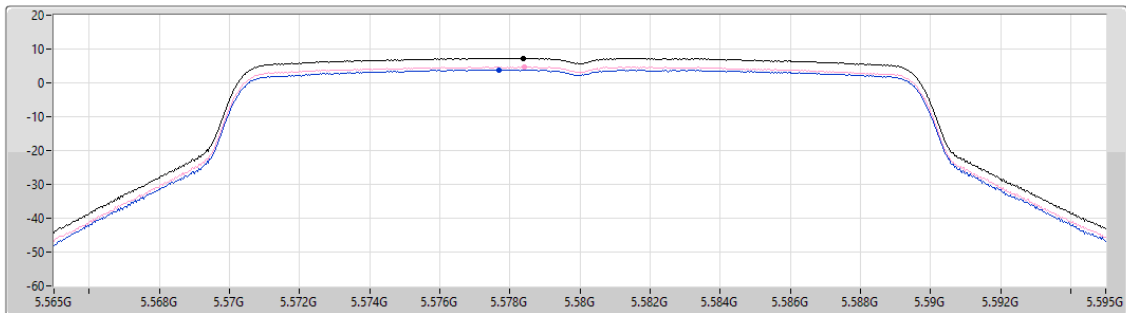
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.673

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.34     | 7.34     | 3.89     | 4.78     |

5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

5700MHz

15/08/2023

CF (Hz)  
5.7G

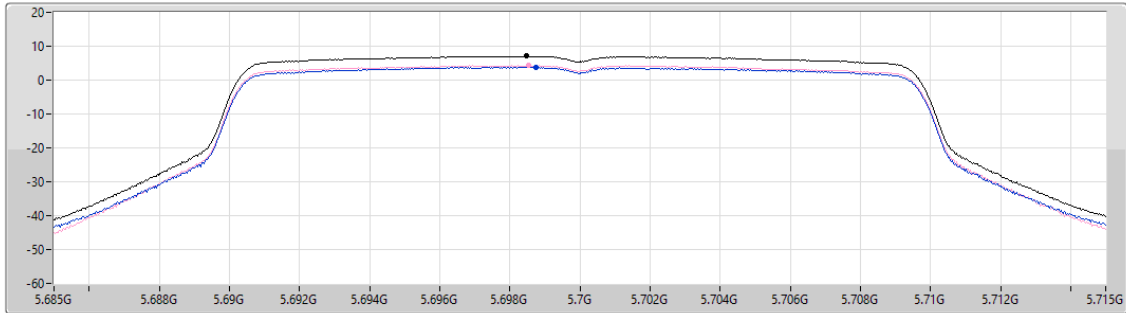
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.673

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.06      | 7.06      | 3.81      | 4.31      |

5.47-5.725GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

15/08/2023

CF (Hz)  
5.71G

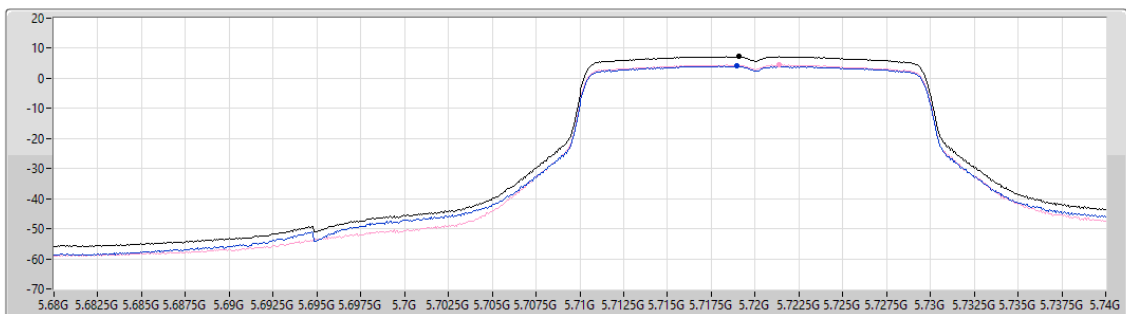
Span (Hz)  
60M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.673

Detector Type  
RMS



Sum 

Port 1 

Port 2 

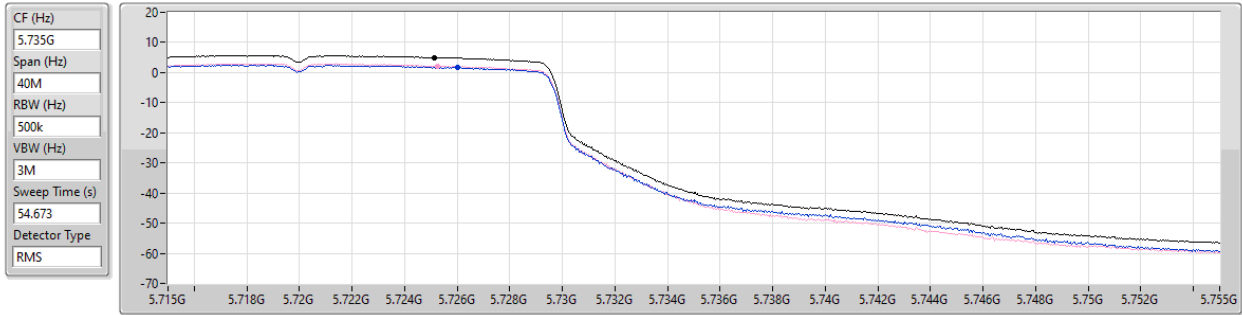
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.20      | 7.20      | 4.07      | 4.46      |

5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

15/08/2023



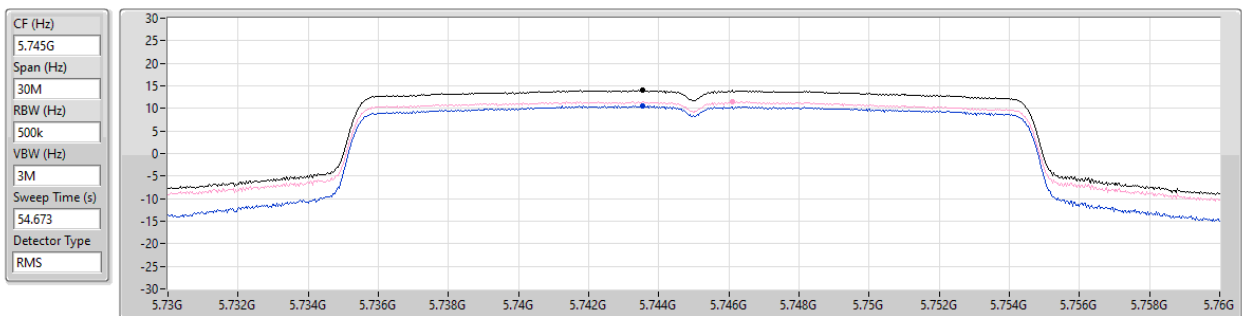
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 4.91     | 4.91     | 1.73     | 2.11     |

5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

5745MHz

15/08/2023



| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 13.99    | 13.99    | 10.54    | 11.50    |

5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

5785MHz

15/08/2023

CF (Hz)  
5.785G

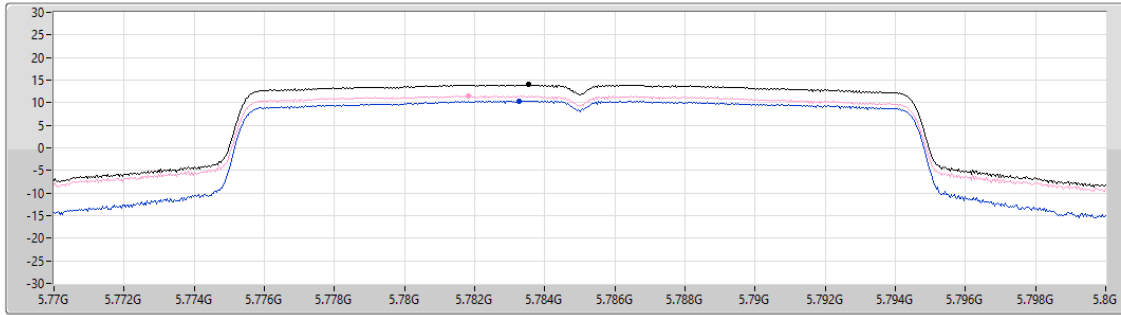
Span (Hz)  
30M

RBW (Hz)  
500k

VBW (Hz)  
3M

Sweep Time (s)  
54.673

Detector Type  
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.97     | 13.97     | 10.42     | 11.51     |

5.725-5.85GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

5825MHz

15/08/2023

CF (Hz)  
5.825G

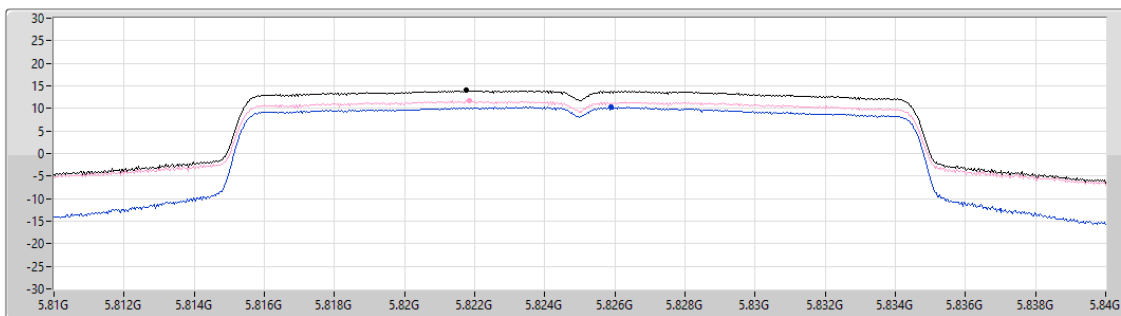
Span (Hz)  
30M

RBW (Hz)  
500k

VBW (Hz)  
3M

Sweep Time (s)  
54.673

Detector Type  
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

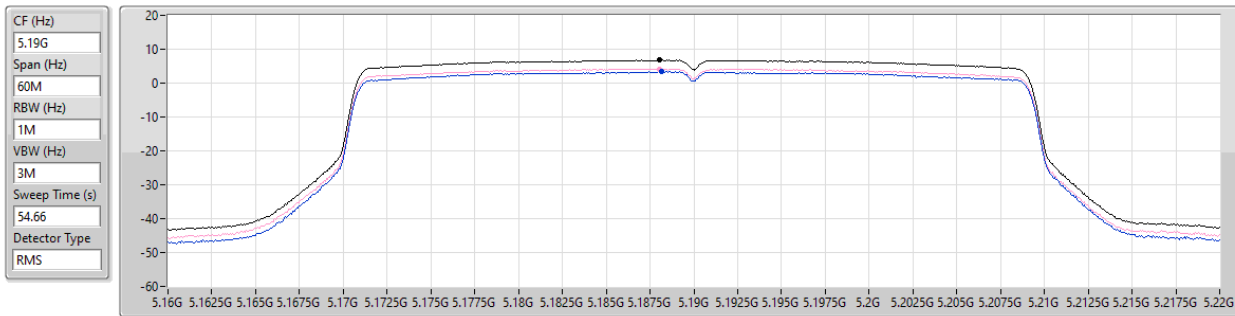
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.96     | 13.96     | 10.34     | 11.65     |

5.15-5.25GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

5190MHz

15/08/2023



Sum  
Port 1  
Port 2

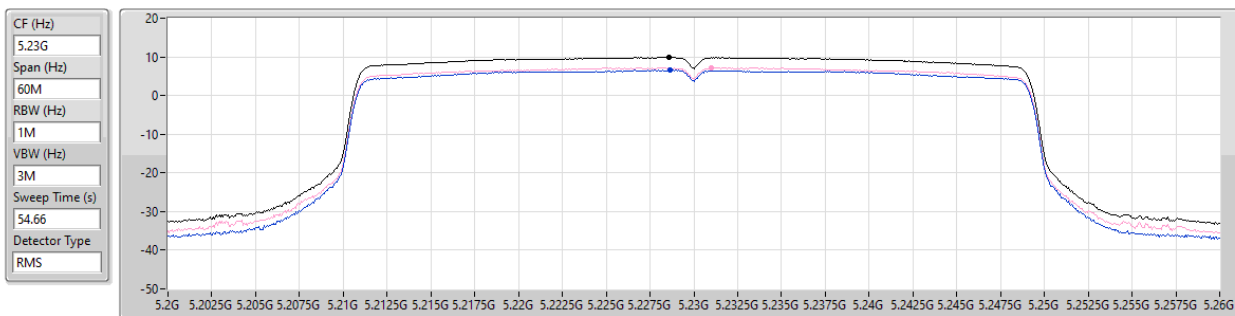
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 6.77     | 6.77     | 3.37     | 4.21     |

5.15-5.25GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

5230MHz

15/08/2023



Sum  
Port 1  
Port 2

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 9.89     | 9.89     | 6.67     | 7.20     |

5.25-5.35GHz\_802.11ax\_HEW40\_Nss1,(MCS0)\_2TX

PSD

5270MHz

15/08/2023

CF (Hz)  
5.27G

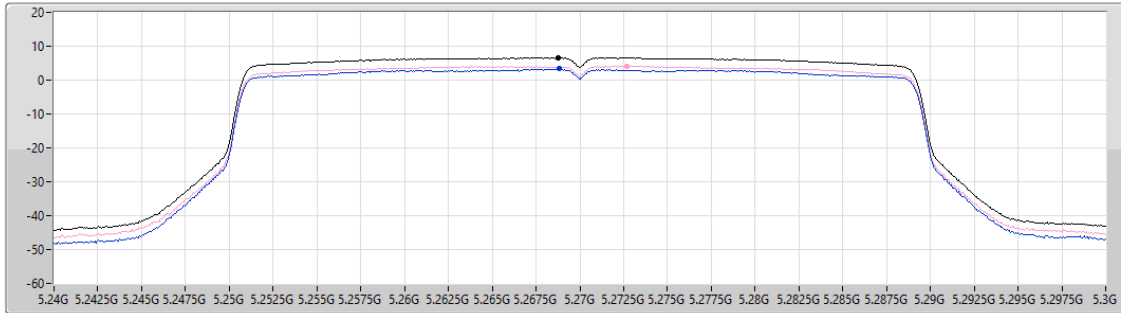
Span (Hz)  
60M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.66

Detector Type  
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.62      | 6.62      | 3.31      | 4.16      |

5.25-5.35GHz\_802.11ax\_HEW40\_Nss1,(MCS0)\_2TX

PSD

5310MHz

15/08/2023

CF (Hz)  
5.31G

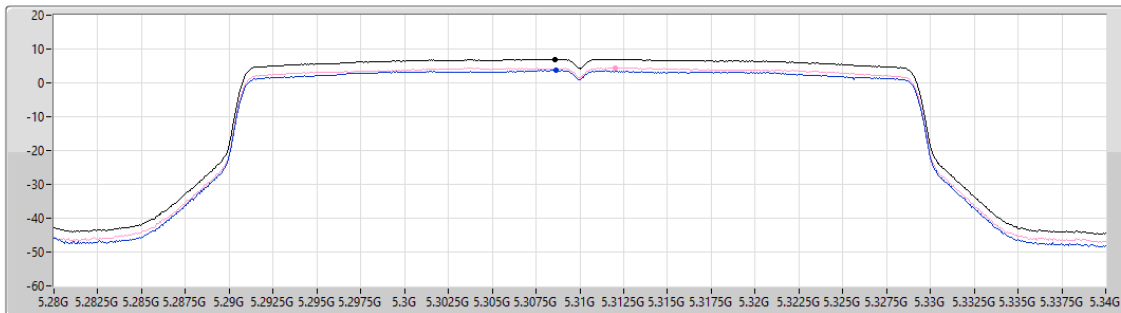
Span (Hz)  
60M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.66

Detector Type  
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.97      | 6.97      | 3.78      | 4.44      |

5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

5510MHz

15/08/2023

CF (Hz)  
5.51G

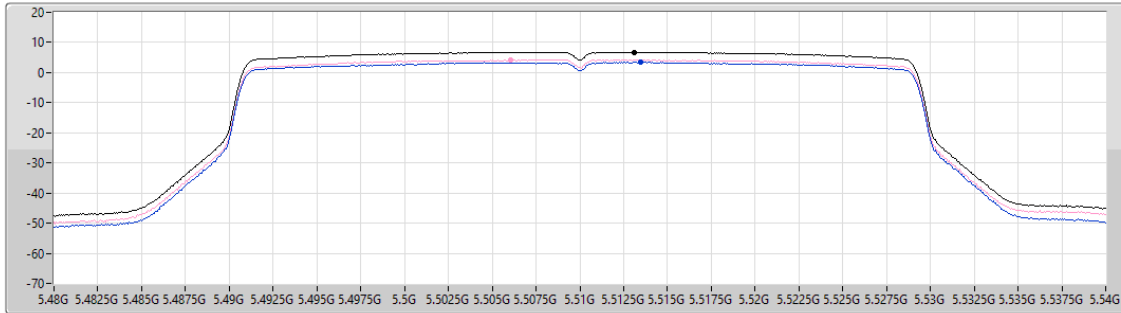
Span (Hz)  
60M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.66

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 6.79     | 6.79     | 3.37     | 4.24     |

5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

5550MHz

15/08/2023

CF (Hz)  
5.55G

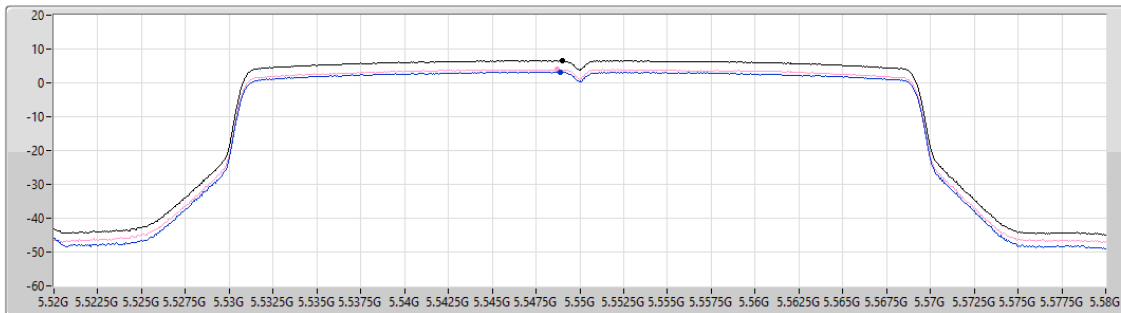
Span (Hz)  
60M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.66

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 6.55     | 6.55     | 3.28     | 3.98     |

5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

5670MHz

15/08/2023

CF (Hz)  
5.67G

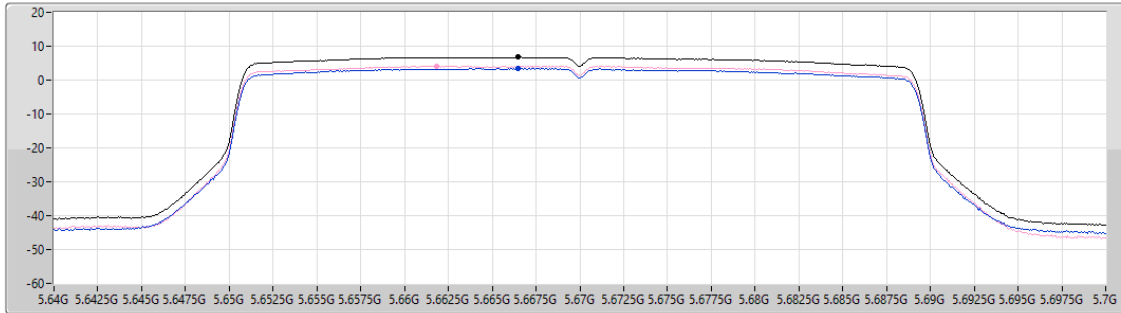
Span (Hz)  
60M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.66

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.72      | 6.72      | 3.47      | 4.15      |

5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

15/08/2023

CF (Hz)  
5.69G

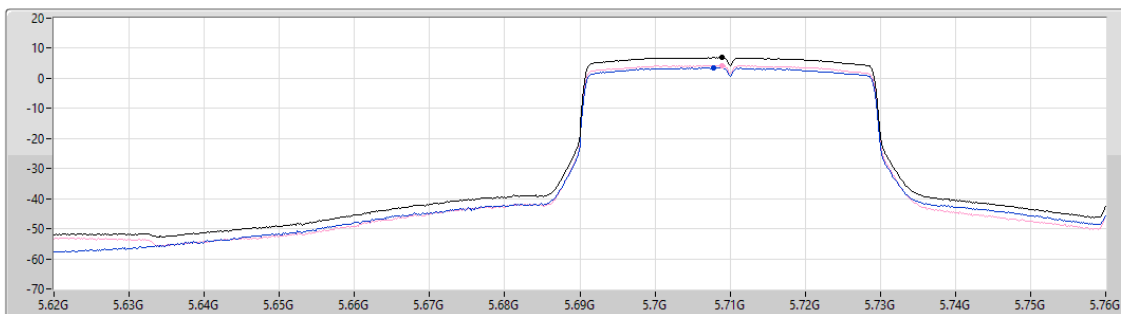
Span (Hz)  
140M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.66

Detector Type  
RMS



Sum 

Port 1 

Port 2 

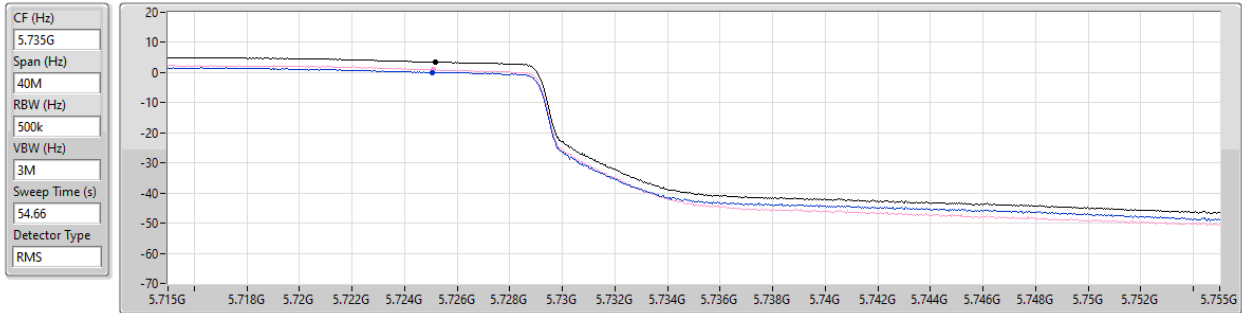
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.90      | 6.90      | 3.53      | 4.26      |

5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

5710MHz Straddle 5.725-5.85GHz

15/08/2023



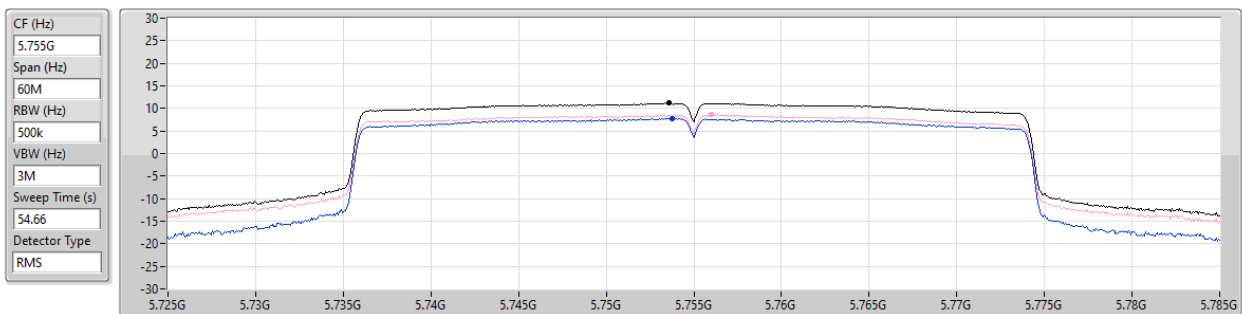
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.50      | 3.50      | 0.11      | 0.93      |

5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

5755MHz

15/08/2023



| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.16     | 11.16     | 7.84      | 8.61      |

5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

5795MHz

15/08/2023

CF (Hz)  
5.795G

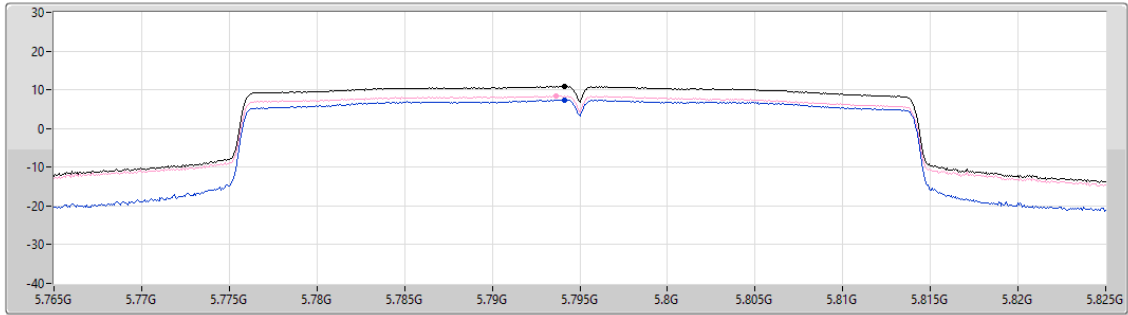
Span (Hz)  
60M

RBW (Hz)  
500k

VBW (Hz)  
3M

Sweep Time (s)  
54.66

Detector Type  
RMS



| Sum<br>(dBm/RBW) | PD<br>(dBm/RBW) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) |
|------------------|-----------------|---------------------|---------------------|
| 10.90            | 10.90           | 7.44                | 8.42                |

Sum ☐

Port 1 ☐

Port 2 ☐

5.15-5.25GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

PSD

5210MHz

15/08/2023

CF (Hz)  
5.21G

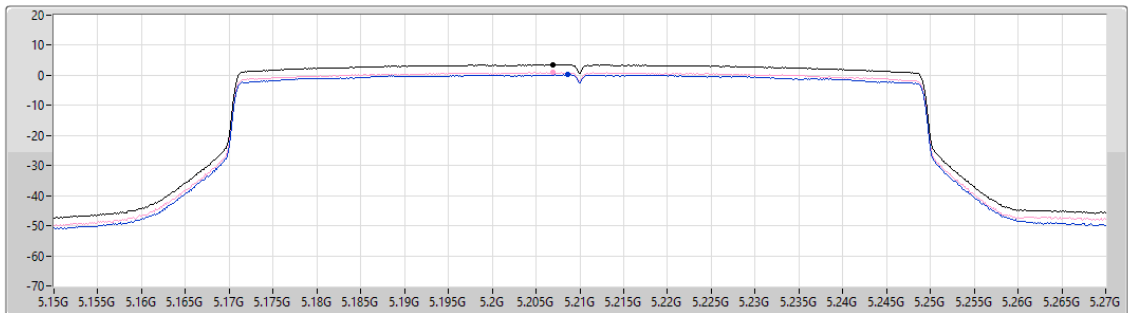
Span (Hz)  
120M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.66

Detector Type  
RMS



| Sum<br>(dBm/RBW) | PD<br>(dBm/RBW) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) |
|------------------|-----------------|---------------------|---------------------|
| 3.52             | 3.52            | 0.26                | 0.92                |

Sum ☐

Port 1 ☐

Port 2 ☐

5.25-5.35GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

PSD

5290MHz

15/08/2023

CF (Hz)  
5.29G

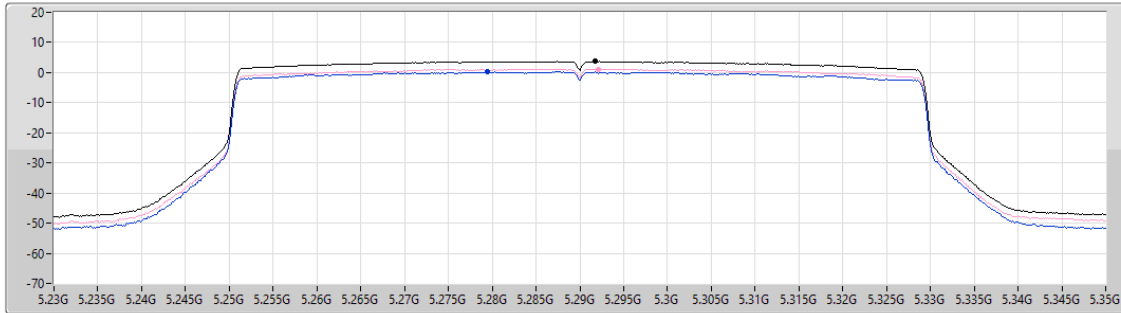
Span (Hz)  
120M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.66

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 3.71     | 3.71     | 0.33     | 1.19     |

5.47-5.725GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

PSD

5530MHz

15/08/2023

CF (Hz)  
5.53G

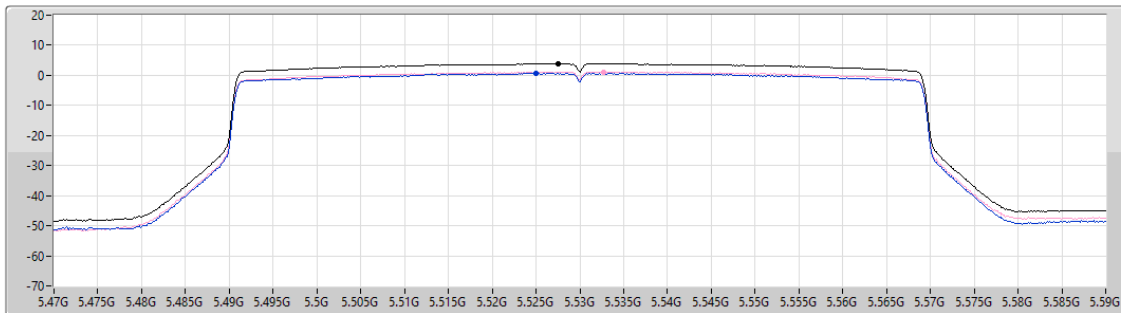
Span (Hz)  
120M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.66

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 3.90     | 3.90     | 0.68     | 1.17     |

5.47-5.725GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

PSD

5610MHz

15/08/2023

CF (Hz)  
5.61G

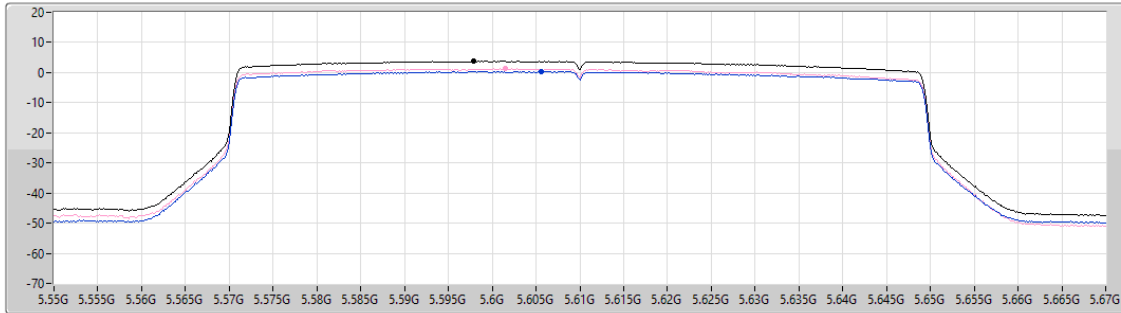
Span (Hz)  
120M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.66

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.76      | 3.76      | 0.32      | 1.23      |

5.47-5.725GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

15/08/2023

CF (Hz)  
5.65G

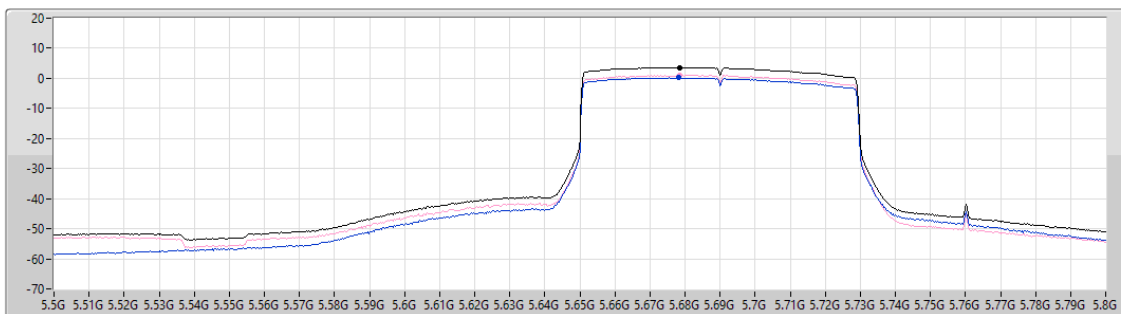
Span (Hz)  
300M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.66

Detector Type  
RMS



Sum 

Port 1 

Port 2 

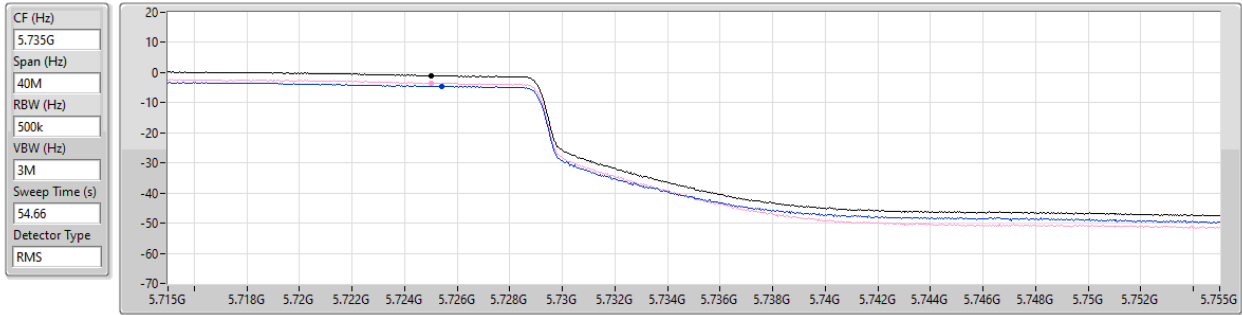
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.65      | 3.65      | 0.15      | 1.16      |

5.725-5.85GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

15/08/2023



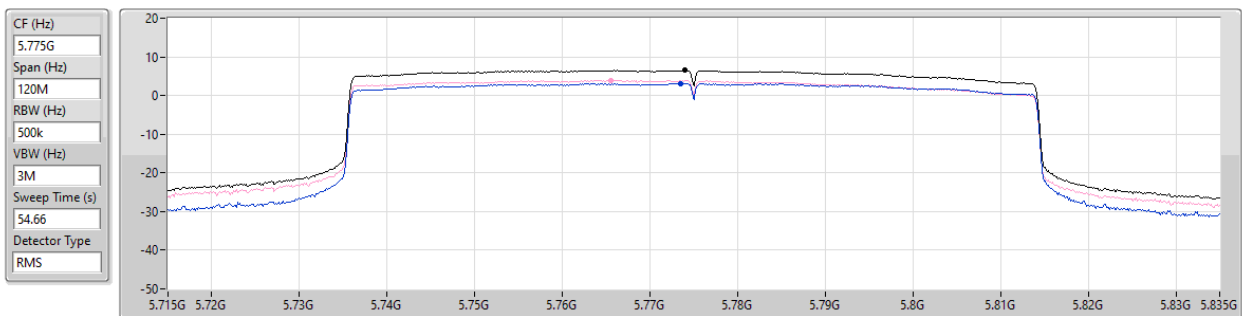
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| -0.97    | -0.97    | -4.47    | -3.44    |

5.725-5.85GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

PSD

5775MHz

15/08/2023



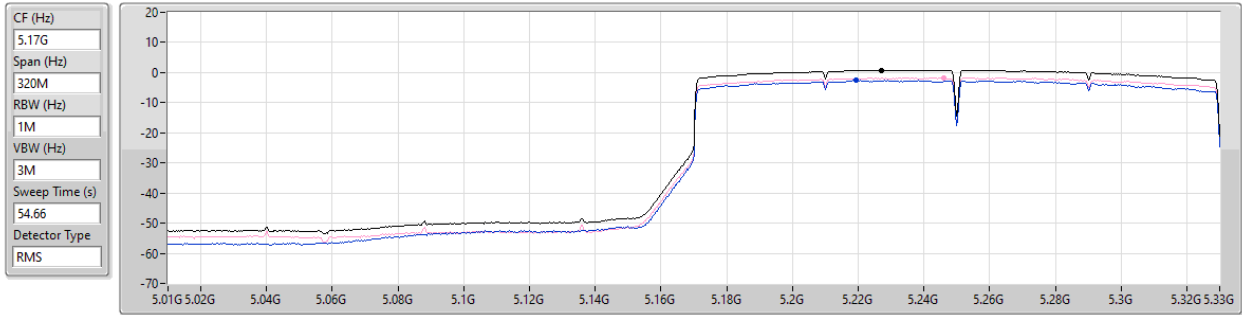
| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 6.49     | 6.49     | 3.12     | 3.97     |

5.15-5.25GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

PSD

5250MHz Straddle 5.15-5.25GHz

15/08/2023



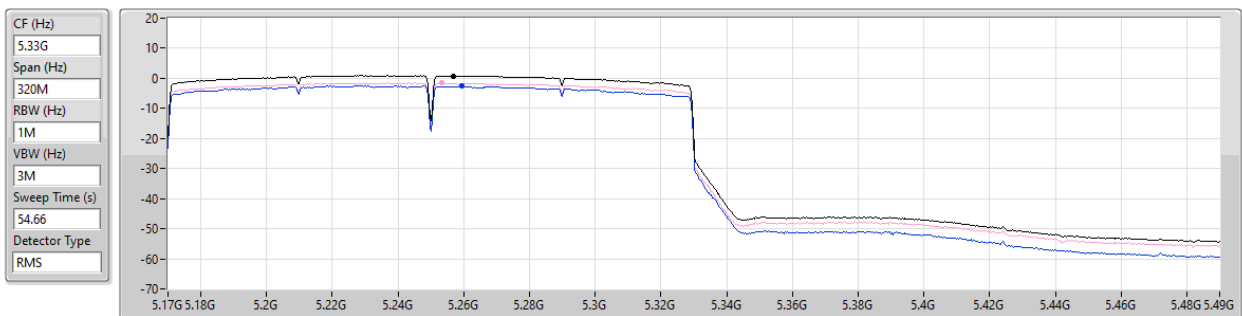
| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.73      | 0.73      | -2.59     | -1.80     |

5.25-5.35GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

PSD

5250MHz Straddle 5.25-5.35GHz

15/08/2023



| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 0.79      | 0.79      | -2.65     | -1.60     |

5.47-5.725GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

PSD

5570MHz

15/08/2023

CF (Hz)  
5.57G

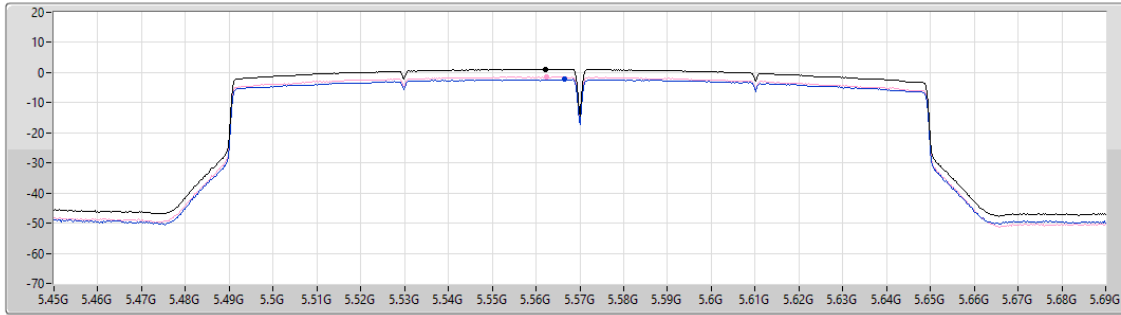
Span (Hz)  
240M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
54.66

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 1.12      | 1.12      | -2.26     | -1.37     |

**Summary**

| Mode                            | PD<br>(dBm/RBW) |
|---------------------------------|-----------------|
| 5.15-5.25GHz                    | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 8.35            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 7.80            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 5.42            |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 0.73            |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | -1.68           |
| 5.25-5.35GHz                    | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 9.03            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 8.79            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 7.63            |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 4.10            |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | -1.73           |
| 5.47-5.725GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 9.00            |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 8.82            |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 7.86            |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 4.57            |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | -0.97           |
| 5.725-5.85GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_2TX        | 15.38           |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | 14.53           |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | 11.14           |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | 5.72            |

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) |
|---------------------------------|--------|-------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_2TX        | -      | -           | -                   | -                   | -               | -                     |
| 5180MHz                         | Pass   | 7.95        | 5.18                | 4.99                | 8.09            | 15.05                 |
| 5200MHz                         | Pass   | 7.95        | 5.12                | 5.13                | 8.07            | 15.05                 |
| 5240MHz                         | Pass   | 7.95        | 5.45                | 5.25                | 8.35            | 15.05                 |
| 5260MHz                         | Pass   | 7.95        | 5.63                | 5.65                | 8.61            | 9.05                  |
| 5300MHz                         | Pass   | 7.95        | 6.02                | 6.11                | 9.03            | 9.05                  |
| 5320MHz                         | Pass   | 7.95        | 6.04                | 6.13                | 9.01            | 9.05                  |
| 5500MHz                         | Pass   | 7.95        | 5.90                | 6.25                | 9.00            | 9.05                  |
| 5580MHz                         | Pass   | 7.95        | 5.42                | 6.02                | 8.74            | 9.05                  |
| 5700MHz                         | Pass   | 7.95        | 5.87                | 6.05                | 8.86            | 9.05                  |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | 7.95        | 5.44                | 5.76                | 8.58            | 9.05                  |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 7.95        | 3.48                | 3.94                | 6.71            | 28.05                 |
| 5745MHz                         | Pass   | 7.95        | 12.70               | 11.76               | 15.19           | 28.05                 |
| 5785MHz                         | Pass   | 7.95        | 12.60               | 12.30               | 15.38           | 28.05                 |
| 5825MHz                         | Pass   | 7.95        | 12.26               | 12.48               | 15.34           | 28.05                 |
| 802.11ax HEW20_Nss1,(MCS0)_2TX  | -      | -           | -                   | -                   | -               | -                     |
| 5180MHz                         | Pass   | 7.95        | 4.35                | 4.13                | 7.19            | 15.05                 |
| 5200MHz                         | Pass   | 7.95        | 4.81                | 4.82                | 7.80            | 15.05                 |
| 5240MHz                         | Pass   | 7.95        | 4.60                | 4.30                | 7.41            | 15.05                 |
| 5260MHz                         | Pass   | 7.95        | 5.86                | 5.74                | 8.79            | 9.05                  |
| 5300MHz                         | Pass   | 7.95        | 5.66                | 5.78                | 8.68            | 9.05                  |
| 5320MHz                         | Pass   | 7.95        | 5.61                | 5.75                | 8.61            | 9.05                  |
| 5500MHz                         | Pass   | 7.95        | 5.64                | 6.02                | 8.74            | 9.05                  |
| 5580MHz                         | Pass   | 7.95        | 5.51                | 6.11                | 8.79            | 9.05                  |
| 5700MHz                         | Pass   | 7.95        | 5.63                | 5.79                | 8.63            | 9.05                  |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | 7.95        | 5.84                | 5.98                | 8.82            | 9.05                  |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 7.95        | 3.69                | 3.73                | 6.67            | 28.05                 |
| 5745MHz                         | Pass   | 7.95        | 11.87               | 11.50               | 14.51           | 28.05                 |
| 5785MHz                         | Pass   | 7.95        | 11.71               | 11.47               | 14.53           | 28.05                 |
| 5825MHz                         | Pass   | 7.95        | 11.24               | 11.59               | 14.35           | 28.05                 |
| 802.11ax HEW40_Nss1,(MCS0)_2TX  | -      | -           | -                   | -                   | -               | -                     |
| 5190MHz                         | Pass   | 7.95        | 2.07                | 1.74                | 4.85            | 15.05                 |
| 5230MHz                         | Pass   | 7.95        | 2.58                | 2.37                | 5.42            | 15.05                 |
| 5270MHz                         | Pass   | 7.95        | 4.70                | 4.63                | 7.63            | 9.05                  |
| 5310MHz                         | Pass   | 7.95        | 4.49                | 4.61                | 7.46            | 9.05                  |
| 5510MHz                         | Pass   | 7.95        | 2.74                | 3.14                | 5.81            | 9.05                  |
| 5550MHz                         | Pass   | 7.95        | 4.86                | 5.06                | 7.86            | 9.05                  |
| 5670MHz                         | Pass   | 7.95        | 4.58                | 4.71                | 7.61            | 9.05                  |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | 7.95        | 4.57                | 4.85                | 7.69            | 9.05                  |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 7.95        | 1.27                | 1.60                | 4.42            | 28.05                 |
| 5755MHz                         | Pass   | 7.95        | 7.39                | 7.75                | 10.43           | 28.05                 |
| 5795MHz                         | Pass   | 7.95        | 7.84                | 8.58                | 11.14           | 28.05                 |
| 802.11ax HEW80_Nss1,(MCS0)_2TX  | -      | -           | -                   | -                   | -               | -                     |
| 5210MHz                         | Pass   | 7.95        | -2.27               | -2.18               | 0.73            | 15.05                 |
| 5290MHz                         | Pass   | 7.95        | 1.18                | 1.16                | 4.10            | 9.05                  |
| 5530MHz                         | Pass   | 7.95        | -0.26               | 0.14                | 2.88            | 9.05                  |
| 5610MHz                         | Pass   | 7.95        | 1.43                | 1.81                | 4.57            | 9.05                  |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | 7.95        | 1.43                | 1.64                | 4.46            | 9.05                  |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 7.95        | -3.20               | -3.03               | -0.13           | 28.05                 |
| 5775MHz                         | Pass   | 7.95        | 2.50                | 3.13                | 5.72            | 28.05                 |
| 802.11ax HEW160_Nss1,(MCS0)_2TX | -      | -           | -                   | -                   | -               | -                     |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | 7.95        | -4.69               | -4.65               | -1.68           | 15.05                 |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | 7.95        | -4.62               | -4.60               | -1.73           | 9.05                  |
| 5570MHz                         | Pass   | 7.95        | -4.28               | -3.64               | -0.97           | 9.05                  |

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;

5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5180MHz

16/08/2023

CF (Hz)  
5.18G

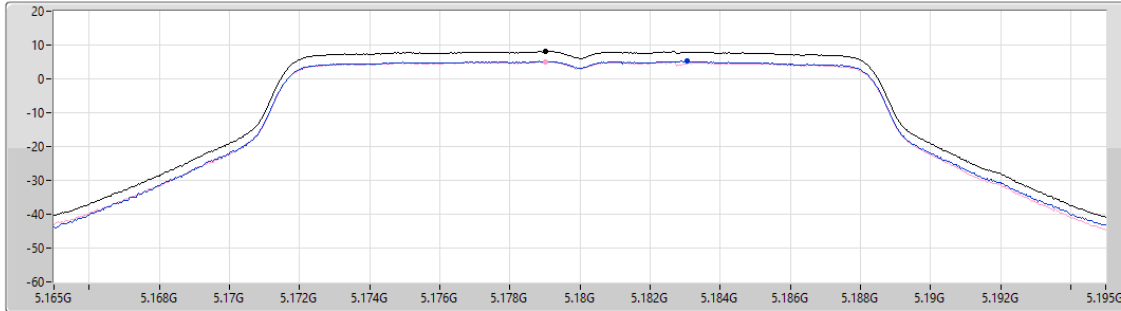
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.949

Detector Type  
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 8.09     | 8.09     | 5.18     | 4.99     |

5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5200MHz

16/08/2023

CF (Hz)  
5.2G

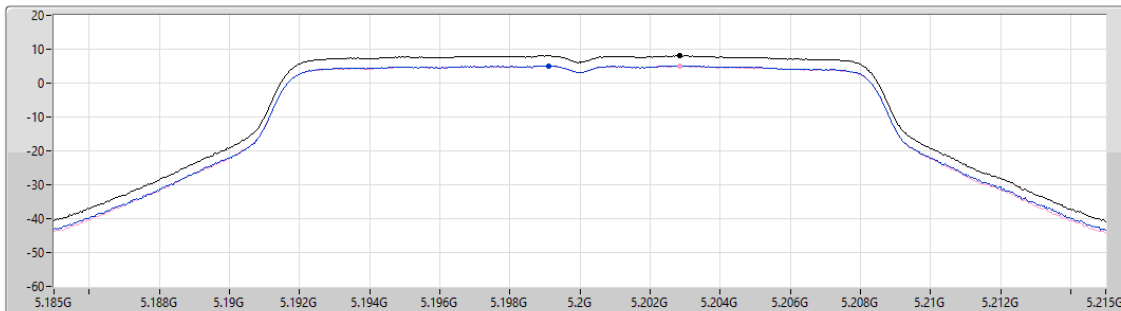
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.949

Detector Type  
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 8.07     | 8.07     | 5.12     | 5.13     |

5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5240MHz

16/08/2023

CF (Hz)  
5.24G

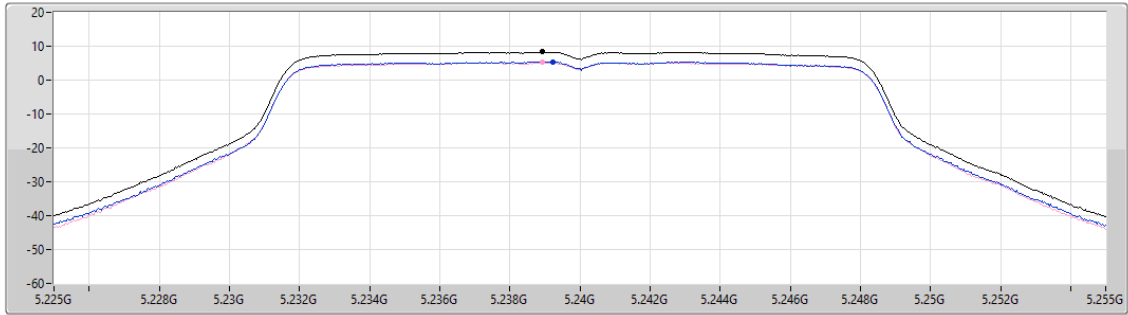
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.949

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 8.35     | 8.35     | 5.45     | 5.25     |

5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5260MHz

16/08/2023

CF (Hz)  
5.26G

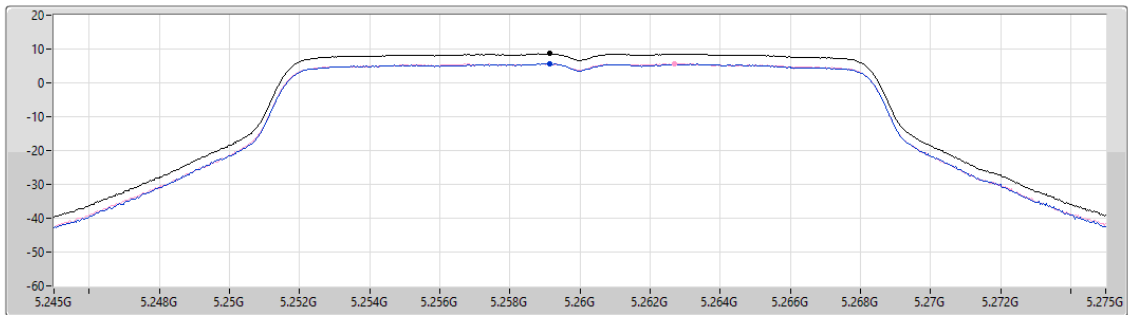
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.949

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum      | PD       | Port 1   | Port 2   |
|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 8.61     | 8.61     | 5.63     | 5.65     |

5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5300MHz

16/08/2023

CF (Hz)  
5.3G

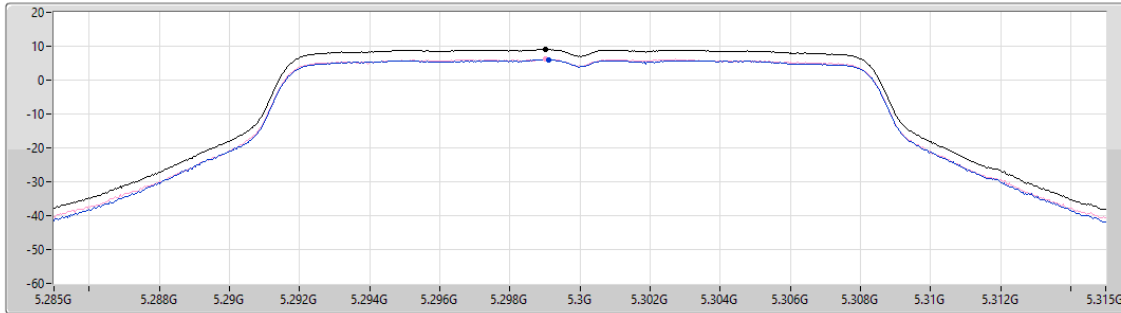
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.949

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.03      | 9.03      | 6.02      | 6.11      |

5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5320MHz

16/08/2023

CF (Hz)  
5.32G

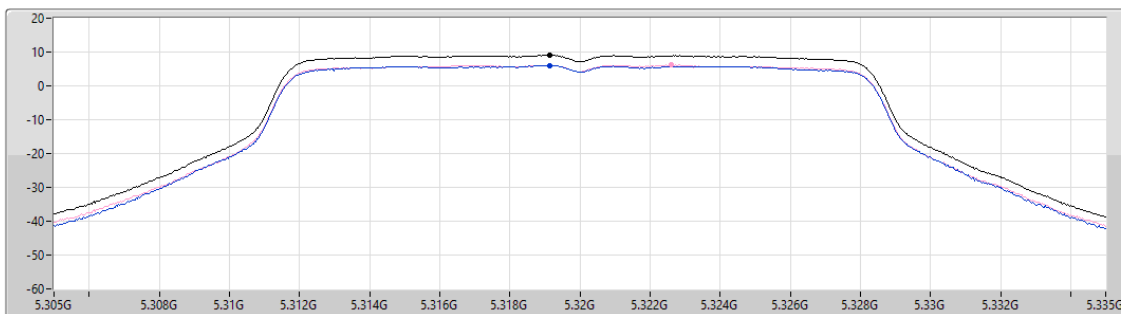
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.949

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.01      | 9.01      | 6.04      | 6.13      |

5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5500MHz

16/08/2023

CF (Hz)  
5.5G

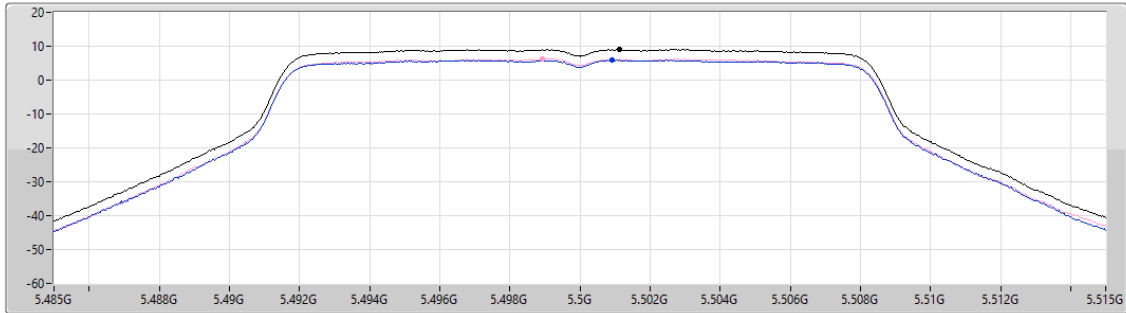
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.949

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.00      | 9.00      | 5.90      | 6.25      |

5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_2TX

PSD

5580MHz

16/08/2023

CF (Hz)  
5.58G

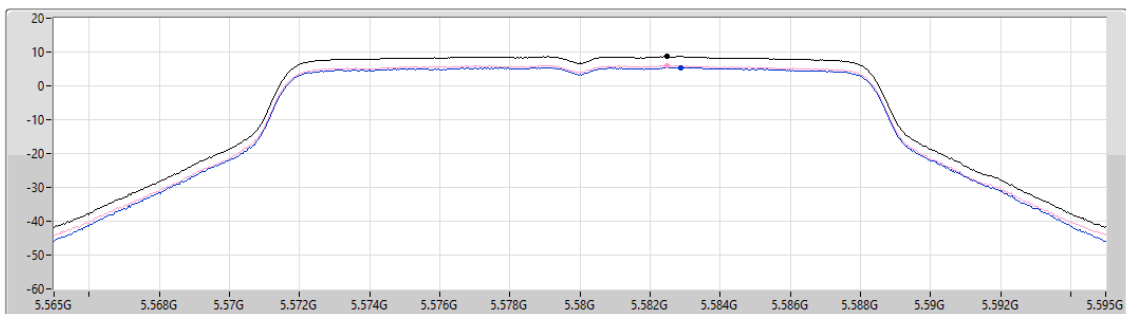
Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
19.949

Detector Type  
RMS



Sum 

Port 1 

Port 2 

| Sum       | PD        | Port 1    | Port 2    |
|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.74      | 8.74      | 5.42      | 6.02      |