



# RADIO TEST REPORT

**FCC ID** : RAXCR1000B  
**Equipment** : Verizon Router  
**Brand Name** : Verizon  
**Model Name** : CR1000B  
**Applicant** : Arcadyan Technology Corporation  
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan  
**Manufacturer** : Arcadyan Technology Corporation  
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan  
**Standard** : 47 CFR FCC Part 15.407

The product was received on Dec. 14, 2021, and testing was started from Dec. 14, 2021 and completed on Jun. 07, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Sam Chen

**Sporton International Inc. Hsinchu Laboratory**

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



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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               | -      |

**Declaration of Conformity:**

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

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Sam Chen****Report Producer: Penny Kao**

# 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             |                                        | 5500-5700           | 100-140 [11]   |
| 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             |                                        | 5510-5670           | 102-134 [5]    |
| 5725-5850             |                                        | 5755-5795           | 151-159 [2]    |
| 5150-5250             | ac (VHT80), ax (HEW80)                 | 5210                | 42 [1]         |
| 5250-5350             |                                        | 5290                | 58 [1]         |
| 5470-5725             |                                        | 5530-5610           | 106-122 [2]    |
| 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         | 4TX  |
| 5.15-5.25GHz | 802.11n HT20      | 20         | 4TX  |
| 5.15-5.25GHz | 802.11n HT20-BF   | 20         | 4TX  |
| 5.15-5.25GHz | 802.11ac VHT20    | 20         | 4TX  |
| 5.15-5.25GHz | 802.11ac VHT20-BF | 20         | 4TX  |
| 5.15-5.25GHz | 802.11ax HEW20    | 20         | 4TX  |
| 5.15-5.25GHz | 802.11ax HEW20-BF | 20         | 4TX  |
| 5.15-5.25GHz | 802.11n HT40      | 40         | 4TX  |
| 5.15-5.25GHz | 802.11n HT40-BF   | 40         | 4TX  |
| 5.15-5.25GHz | 802.11ac VHT40    | 40         | 4TX  |
| 5.15-5.25GHz | 802.11ac VHT40-BF | 40         | 4TX  |
| 5.15-5.25GHz | 802.11ax HEW40    | 40         | 4TX  |
| 5.15-5.25GHz | 802.11ax HEW40-BF | 40         | 4TX  |
| 5.15-5.25GHz | 802.11ac VHT80    | 80         | 4TX  |
| 5.15-5.25GHz | 802.11ac VHT80-BF | 80         | 4TX  |



| Band          | Mode               | BWch (MHz) | Nant |
|---------------|--------------------|------------|------|
| 5.15-5.25GHz  | 802.11ax HEW80     | 80         | 4TX  |
| 5.15-5.25GHz  | 802.11ax HEW80-BF  | 80         | 4TX  |
| 5.15-5.25GHz  | 802.11ac VHT160    | 160        | 4TX  |
| 5.15-5.25GHz  | 802.11ac VHT160-BF | 160        | 4TX  |
| 5.15-5.25GHz  | 802.11ax HEW160    | 160        | 4TX  |
| 5.15-5.25GHz  | 802.11ax HEW160-BF | 160        | 4TX  |
| 5.25-5.35GHz  | 802.11a            | 20         | 4TX  |
| 5.25-5.35GHz  | 802.11n HT20       | 20         | 4TX  |
| 5.25-5.35GHz  | 802.11n HT20-BF    | 20         | 4TX  |
| 5.25-5.35GHz  | 802.11ac VHT20     | 20         | 4TX  |
| 5.25-5.35GHz  | 802.11ac VHT20-BF  | 20         | 4TX  |
| 5.25-5.35GHz  | 802.11ax HEW20     | 20         | 4TX  |
| 5.25-5.35GHz  | 802.11ax HEW20-BF  | 20         | 4TX  |
| 5.25-5.35GHz  | 802.11n HT40       | 40         | 4TX  |
| 5.25-5.35GHz  | 802.11n HT40-BF    | 40         | 4TX  |
| 5.25-5.35GHz  | 802.11ac VHT40     | 40         | 4TX  |
| 5.25-5.35GHz  | 802.11ac VHT40-BF  | 40         | 4TX  |
| 5.25-5.35GHz  | 802.11ax HEW40     | 40         | 4TX  |
| 5.25-5.35GHz  | 802.11ax HEW40-BF  | 40         | 4TX  |
| 5.25-5.35GHz  | 802.11ac VHT80     | 80         | 4TX  |
| 5.25-5.35GHz  | 802.11ac VHT80-BF  | 80         | 4TX  |
| 5.25-5.35GHz  | 802.11ax HEW80     | 80         | 4TX  |
| 5.25-5.35GHz  | 802.11ax HEW80-BF  | 80         | 4TX  |
| 5.25-5.35GHz  | 802.11ac VHT160    | 160        | 4TX  |
| 5.25-5.35GHz  | 802.11ac VHT160-BF | 160        | 4TX  |
| 5.25-5.35GHz  | 802.11ax HEW160    | 160        | 4TX  |
| 5.25-5.35GHz  | 802.11ax HEW160-BF | 160        | 4TX  |
| 5.47-5.725GHz | 802.11a            | 20         | 4TX  |
| 5.47-5.725GHz | 802.11n HT20       | 20         | 4TX  |
| 5.47-5.725GHz | 802.11n HT20-BF    | 20         | 4TX  |
| 5.47-5.725GHz | 802.11ac VHT20     | 20         | 4TX  |
| 5.47-5.725GHz | 802.11ac VHT20-BF  | 20         | 4TX  |
| 5.47-5.725GHz | 802.11ax HEW20     | 20         | 4TX  |
| 5.47-5.725GHz | 802.11ax HEW20-BF  | 20         | 4TX  |
| 5.47-5.725GHz | 802.11n HT40       | 40         | 4TX  |
| 5.47-5.725GHz | 802.11n HT40-BF    | 40         | 4TX  |
| 5.47-5.725GHz | 802.11ac VHT40     | 40         | 4TX  |
| 5.47-5.725GHz | 802.11ac VHT40-BF  | 40         | 4TX  |
| 5.47-5.725GHz | 802.11ax HEW40     | 40         | 4TX  |
| 5.47-5.725GHz | 802.11ax HEW40-BF  | 40         | 4TX  |



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

**Note:**

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

### 1.1.2 Antenna Information

| Ant. | Port        |           |               |           | Brand    | P/N           | Antenna Type | Connector | Gain (dBi) |
|------|-------------|-----------|---------------|-----------|----------|---------------|--------------|-----------|------------|
|      | WLAN 2.4GHz | WLAN 5GHz |               | WLAN 6GHz |          |               |              |           |            |
|      |             | UNII1~3   | DFS UNII2A~2C |           |          |               |              |           |            |
| 1    | 1           | 4         | -             | -         | Arcadyan | 120800098100J | PCB Antenna  | I-PEX     | Note1      |
| 2    | 2           | 3         | -             | -         | Arcadyan | 120800098200J | PCB Antenna  | I-PEX     |            |
| 3    | 3           | 2         | -             | -         | Arcadyan | 120800098300J | PCB Antenna  | I-PEX     |            |
| 4    | 4           | 1         | -             | -         | Arcadyan | 120800098400J | PCB Antenna  | I-PEX     |            |
| 5    | -           | -         | -             | 1         | Arcadyan | 120800098700J | PCB Antenna  | I-PEX     |            |
| 6    | -           | -         | -             | 2         | Arcadyan | 120800098800J | PCB Antenna  | I-PEX     |            |
| 7    | -           | -         | -             | 3         | Arcadyan | 120800098500J | PCB Antenna  | I-PEX     |            |
| 8    | -           | -         | -             | 4         | Arcadyan | 120800098600J | PCB Antenna  | I-PEX     |            |
| 9    | -           | -         | 1             | -         | Arcadyan | 120800104000J | PCB Antenna  | I-PEX     |            |

Note1:

<Antenna Gain>

| Ant. | Port        |           |               |           | Gain (dBi)  |           |               |           |        |        |        |  |
|------|-------------|-----------|---------------|-----------|-------------|-----------|---------------|-----------|--------|--------|--------|--|
|      | WLAN 2.4GHz | WLAN 5GHz |               | WLAN 6GHz | WLAN 2.4GHz | WLAN 5GHz |               | WLAN 6GHz |        |        |        |  |
|      |             | UNII1~3   | DFS UNII2A~2C |           |             | UNII1~3   | DFS UNII2A~2C | UNII 5    | UNII 6 | UNII 7 | UNII 8 |  |
| 1    | 1           | 4         | -             | -         | 1.8         | 2.6       | -             | -         | -      | -      | -      |  |
| 2    | 2           | 3         | -             | -         | 3.2         | 2.3       | -             | -         | -      | -      | -      |  |
| 3    | 3           | 2         | -             | -         | 2.8         | 3.5       | -             | -         | -      | -      | -      |  |
| 4    | 4           | 1         | -             | -         | 3.8         | 2.5       | -             | -         | -      | -      | -      |  |
| 5    | -           | -         | -             | 1         | -           | -         | -             | 4.18      | 3.86   | 2.19   | 3.24   |  |
| 6    | -           | -         | -             | 2         | -           | -         | -             | 4.96      | 4.19   | 3.17   | 3.19   |  |
| 7    | -           | -         | -             | 3         | -           | -         | -             | 3.47      | 3.24   | 3.40   | 3.06   |  |
| 8    | -           | -         | -             | 4         | -           | -         | -             | 4.13      | 3.66   | 2.47   | 2.73   |  |
| 9    | -           | -         | 1             | -         | -           | -         | 3.8           | -         | -      | -      | -      |  |

<For WLAN 6GHz Directional Gain>

| Directional Gain (dBi) |                  |                  |                  |                  |
|------------------------|------------------|------------------|------------------|------------------|
| Item                   | WLAN 6GHz UNII 5 | WLAN 6GHz UNII 6 | WLAN 6GHz UNII 7 | WLAN 6GHz UNII 8 |
| 4T1S                   | 5.46             | 5.09             | 5.36             | 4.97             |

Note2: The above information (excepting WLAN 6GHz antenna gain) was declared by manufacturer.

Note3: WLAN 6GHz directional gain is measured which follows the procedure of KDB 662911 D03.

The antenna report is provided in the operational description for this application.

Note4: The antenna 9 which has the receiving function only is used for zero wait or interference detection.

Note5: The EUT has nine antennas.

<WLAN 2.4GHz function>

**For IEEE 802.11b/g/n/ax (4TX/4RX):**

Pot 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Pot 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

<WLAN 5GHz function>

**UNII1~3**

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

Pot 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Pot 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

**UNII 2A~2C DFS Band**

Only Port 1 can receive

**<WLAN 6GHz function>**
**For IEEE 802.11ax mode (4TX/4RX)**

Pot 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Pot 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

**Note6:**
**<For WLAN 2.4GHz and WLAN 5GHz Directional Gain>**

| 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 :

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

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where ;

G1 = Ant 1 Gain ; G2 = Ant 2 Gain ; G3 = Ant 3 Gain ; G4 = Ant 4 Gain ;

2.4GHz DG = 8.95 dBi

5 GHz U-NII-1 DG = 8.76 dBi

5 GHz U-NII-2A DG = 8.76 dBi

5 GHz U-NII-2C DG = 8.76 dBi

5 GHz U-NII-3 DG = 8.76 dBi



### 1.1.3 Mode Test Duty Cycle

#### Non-beamforming mode

| Mode            | DC | DCF(dB) | T(s)                 | VBW(Hz) $\geq 1/T$   |
|-----------------|----|---------|----------------------|----------------------|
| 802.11a         | 1  | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW20  | 1  | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW40  | 1  | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW80  | 1  | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW160 | 1  | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |

#### Beamforming mode

| Mode               | DC | DCF(dB) | T(s)                 | VBW(Hz) $\geq 1/T$   |
|--------------------|----|---------|----------------------|----------------------|
| 802.11ax HEW20-BF  | 1  | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW40-BF  | 1  | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW80-BF  | 1  | 0       | n/a (DC $\geq$ 0.98) | n/a (DC $\geq$ 0.98) |
| 802.11ax HEW160-BF | 1  | 0       | 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

|                       |                                                                                          |                     |                                     |                      |
|-----------------------|------------------------------------------------------------------------------------------|---------------------|-------------------------------------|----------------------|
| EUT Power Type        | From Power Adapter                                                                       |                     |                                     |                      |
| Beamforming Function  | <input checked="" type="checkbox"/>                                                      | With beamforming    | <input type="checkbox"/>            | Without beamforming  |
|                       | The product has beamforming function for ax in 2.4GHz, 11n/ac/ax in 5GHz and ax in 6GHz. |                     |                                     |                      |
| Weather Band          | <input checked="" type="checkbox"/>                                                      | With 5600~5650MHz   | <input type="checkbox"/>            | Without 5600~5650MHz |
| Function              | <input type="checkbox"/>                                                                 | Outdoor P2M         | <input checked="" 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       |
| TPC Function          | <input checked="" type="checkbox"/>                                                      | With TPC            | <input type="checkbox"/>            | Without TPC          |
| Test Software Version | DUT GUI V610.59 / DOS V10.0.19043.1320 / Intel GUI(version 610.59)                       |                     |                                     |                      |

Note: The above information was declared by manufacturer.

### 1.1.5 Table for EUT Information

| External Type of EUT | Color of tick | Position of tick            | Remark                                |
|----------------------|---------------|-----------------------------|---------------------------------------|
| 1                    | Gray          | In the middle of the case   | The internal of the EUT is identical. |
| 2                    | Red           | The lower right of the case |                                       |

Note: The above information was declared by manufacturer.



## 1.2 Applicable Standards

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

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

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

- ♦ FCC KDB 662911 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                                         | TH01-CB       | Owen Hsu      | 19.6~20.5 / 61~65            | Feb. 25, 2022~<br>May 21, 2022  |
| Radiated<br>(CTX Below 1GHz and<br>Co-location test) | 03CH03-CB     | Kevin Huang   | 23.5-24.6 / 55-59            | Dec. 14, 2021~<br>Mar. 14, 2022 |
| Radiated<br>(CTX Above 1GHz test)                    | 03CH06-CB     | Kevin Huang   | 24.5-25.6 / 56-59            | Dec. 14, 2021~<br>Mar. 14, 2022 |
|                                                      | 03CH03-CB     |               | 23.5-24.6 / 55-59            |                                 |
| AC Conduction                                        | CO01-CB       | Ryan Huang    | 20~22 / 56~58                | Jun. 07, 2022                   |



## 1.4 Measurement Uncertainty

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

| Test Items                           | Uncertainty | Remark                   |
|--------------------------------------|-------------|--------------------------|
| Conducted Emission (150kHz ~ 30MHz)  | 3.4 dB      | Confidence levels of 95% |
| Radiated Emission (9kHz ~ 30MHz)     | 4.2 dB      | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 5.5 dB      | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz)     | 4.7 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)    | 4.2 dB      | Confidence levels of 95% |
| Conducted Emission                   | 2.5 dB      | Confidence levels of 95% |
| Output Power Measurement             | 1.3 dB      | Confidence levels of 95% |
| Power Density Measurement            | 2.5 dB      | Confidence levels of 95% |
| Bandwidth Measurement                | 0.9%        | Confidence levels of 95% |



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

#### Non-beamforming mode

| Mode                           | Power Setting |
|--------------------------------|---------------|
| 802.11a_Nss1,(6Mbps)_4TX       | -             |
| 5180MHz                        | 21            |
| 5200MHz                        | 21.5          |
| 5240MHz                        | 21.5          |
| 5260MHz                        | 15            |
| 5300MHz                        | 15            |
| 5320MHz                        | 15            |
| 5500MHz                        | 15            |
| 5580MHz                        | 15.5          |
| 5700MHz                        | 12            |
| 5745MHz                        | 25            |
| 5785MHz                        | 25            |
| 5825MHz                        | 25            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -             |
| 5180MHz                        | 20            |
| 5200MHz                        | 21.5          |
| 5240MHz                        | 21.5          |
| 5260MHz                        | 15.5          |
| 5300MHz                        | 15.5          |
| 5320MHz                        | 15.5          |
| 5500MHz                        | 15            |
| 5580MHz                        | 15            |
| 5700MHz                        | 15.5          |
| 5745MHz                        | 24.5          |
| 5785MHz                        | 24.5          |
| 5825MHz                        | 24.5          |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -             |
| 5190MHz                        | 16            |
| 5230MHz                        | 22            |
| 5270MHz                        | 17.5          |
| 5310MHz                        | 17.5          |
| 5510MHz                        | 17            |
| 5550MHz                        | 17.5          |
| 5670MHz                        | 17.5          |
| 5755MHz                        | 24            |



| Mode                            | Power Setting |
|---------------------------------|---------------|
| 5795MHz                         | 24.5          |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | -             |
| 5210MHz                         | 15            |
| 5290MHz                         | 17.5          |
| 5530MHz                         | 17.5          |
| 5610MHz                         | 18            |
| 5775MHz                         | 20.5          |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | -             |
| 5250MHz Straddle 5.15-5.25GHz   | 15            |
| 5250MHz Straddle 5.25-5.35GHz   | 15            |
| 5570MHz                         | 17.5          |

**Beamforming mode**

| Mode                              | Power Setting |
|-----------------------------------|---------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -             |
| 5180MHz                           | 52            |
| 5200MHz                           | 52            |
| 5240MHz                           | 52            |
| 5260MHz                           | 40            |
| 5300MHz                           | 40            |
| 5320MHz                           | 40            |
| 5500MHz                           | 39            |
| 5580MHz                           | 40            |
| 5700MHz                           | 41            |
| 5720MHz Straddle 5.47-5.725GHz    |               |
| 5720MHz Straddle 5.725-5.85GHz    |               |
| 5745MHz                           | 52            |
| 5785MHz                           | 53            |
| 5825MHz                           | 52            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | -             |
| 5190MHz                           | 44            |
| 5230MHz                           | 52            |
| 5270MHz                           | 39            |
| 5310MHz                           | 40            |
| 5510MHz                           | 39            |
| 5550MHz                           | 39            |
| 5670MHz                           | 40            |
| 5710MHz Straddle 5.47-5.725GHz    |               |
| 5710MHz Straddle 5.725-5.85GHz    |               |
| 5755MHz                           | 51            |



| Mode                               | Power Setting |
|------------------------------------|---------------|
| 5795MHz                            | 51            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | -             |
| 5210MHz                            | 45            |
| 5290MHz                            | 40            |
| 5530MHz                            | 39            |
| 5610MHz                            | 40            |
| 5690MHz Straddle 5.47-5.725GHz     |               |
| 5690MHz Straddle 5.725-5.85GHz     |               |
| 5775MHz                            | 51            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | -             |
| 5250MHz Straddle 5.15-5.25GHz      | 45            |
| 5250MHz Straddle 5.25-5.35GHz      | 45            |
| 5570MHz                            | 39            |

**Note:**

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

## 2.2 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests                           |                                                                                         |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                                             | AC power-line conducted emissions                                                       |
| <b>Condition</b>                                                              | AC power-line conducted measurement for line and neutral<br>Test Voltage: 120Vac / 60Hz |
| <b>Operating Mode</b>                                                         | Normal Link                                                                             |
| 1                                                                             | EUT_WLAN 2.4GHz + Adapter                                                               |
| 2                                                                             | EUT_WLAN 5GHz + Adapter                                                                 |
| 3                                                                             | EUT_WLAN 6GHz + Adapter                                                                 |
| 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                                                   |

| 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                                                                                                                                                                                                                                                                        |
|                                                                               | The EUT was performed at X axis, Y axis and Z axis position for Radiated measurement above 1GHz test, and the worst case was found at X axis for WLAN 2.4GHz & WLAN 5GHz tests and Y axis for WLAN 6GHz test. So the measurement will follow this same test configuration. |
|                                                                               | 1 EUT in X axis_ WLAN 2.4GHz                                                                                                                                                                                                                                               |
|                                                                               | 2 EUT in X axis_ WLAN 5GHz                                                                                                                                                                                                                                                 |
|                                                                               | 3 EUT in Y axis_ WLAN 6GHz                                                                                                                                                                                                                                                 |
| For operating mode 3 is the worst case and it was record in this test report. |                                                                                                                                                                                                                                                                            |
| <b>Operating Mode &gt; 1GHz</b>                                               | CTX                                                                                                                                                                                                                                                                        |
|                                                                               | The EUT was performed at X axis, Y axis and Z axis position. The worst case as below:                                                                                                                                                                                      |
| 1                                                                             | EUT in X axis                                                                                                                                                                                                                                                              |



| <b>The Worst Case Mode for Following Conformance Tests</b> |                                                                                                                                                                                                                                                |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                          | Simultaneous Transmission Analysis - Radiated Emission Co-location                                                                                                                                                                             |
| <b>Test Condition</b>                                      | Radiated measurement                                                                                                                                                                                                                           |
|                                                            | The EUT was performed at X axis, Y axis and Z axis position for Radiated measurement above 1GHz test, and the worst case was found at X axis for WLAN 2.4GHz and WLAN 5GHz tests. So the measurement will follow this same test configuration. |
| <b>Operating Mode</b>                                      | Normal Link                                                                                                                                                                                                                                    |
| 1                                                          | EUT in X axis_WLAN 2.4GHz + WLAN 5GHz                                                                                                                                                                                                          |
| Refer to Appendix F for Radiated Emission Co-location.     |                                                                                                                                                                                                                                                |

| <b>The Worst Case Mode for Following Conformance Tests</b>                         |                                                                         |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Tests Item</b>                                                                  | Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation |
| <b>Operating Mode</b>                                                              |                                                                         |
| 1                                                                                  | WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz                                     |
| Refer to Sporton Test Report No.: FA1D1668 for Co-location RF Exposure Evaluation. |                                                                         |

## 2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS [ver 10.0.19043.1320].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN module and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.



## 2.4 Accessories

| Accessories                     |                |              |              |                                                             |
|---------------------------------|----------------|--------------|--------------|-------------------------------------------------------------|
| No.                             | Equipment Name | Brand Name   | Model Name   | Rating                                                      |
| 1                               | Adapter        | LUCENT TRANS | 1A98-1250-02 | INPUT: 100-120V~1.6A, 50-60Hz<br>OUTPUT: 12.0V, 5.0A, 60.0W |
| Others                          |                |              |              |                                                             |
| RJ-45 cable*1: Non-shielded, 2m |                |              |              |                                                             |

## 2.5 Support Equipment

For AC Conduction:

| Support Equipment |           |            |            |        |
|-------------------|-----------|------------|------------|--------|
| No.               | Equipment | Brand Name | Model Name | FCC ID |
| A                 | LAN NB    | DELL       | E6430      | N/A    |

For Radiated (below 1GHz):

| Support Equipment |           |            |            |        |
|-------------------|-----------|------------|------------|--------|
| No.               | Equipment | Brand Name | Model Name | FCC ID |
| A                 | Notebook  | DELL       | E4300      | N/A    |

Non-beamforming mode

For Radiated (above 1GHz) and RF Conducted:

| Support Equipment |           |            |            |        |
|-------------------|-----------|------------|------------|--------|
| No.               | Equipment | Brand Name | Model Name | FCC ID |
| A                 | Notebook  | DELL       | E4300      | N/A    |

Beamforming mode

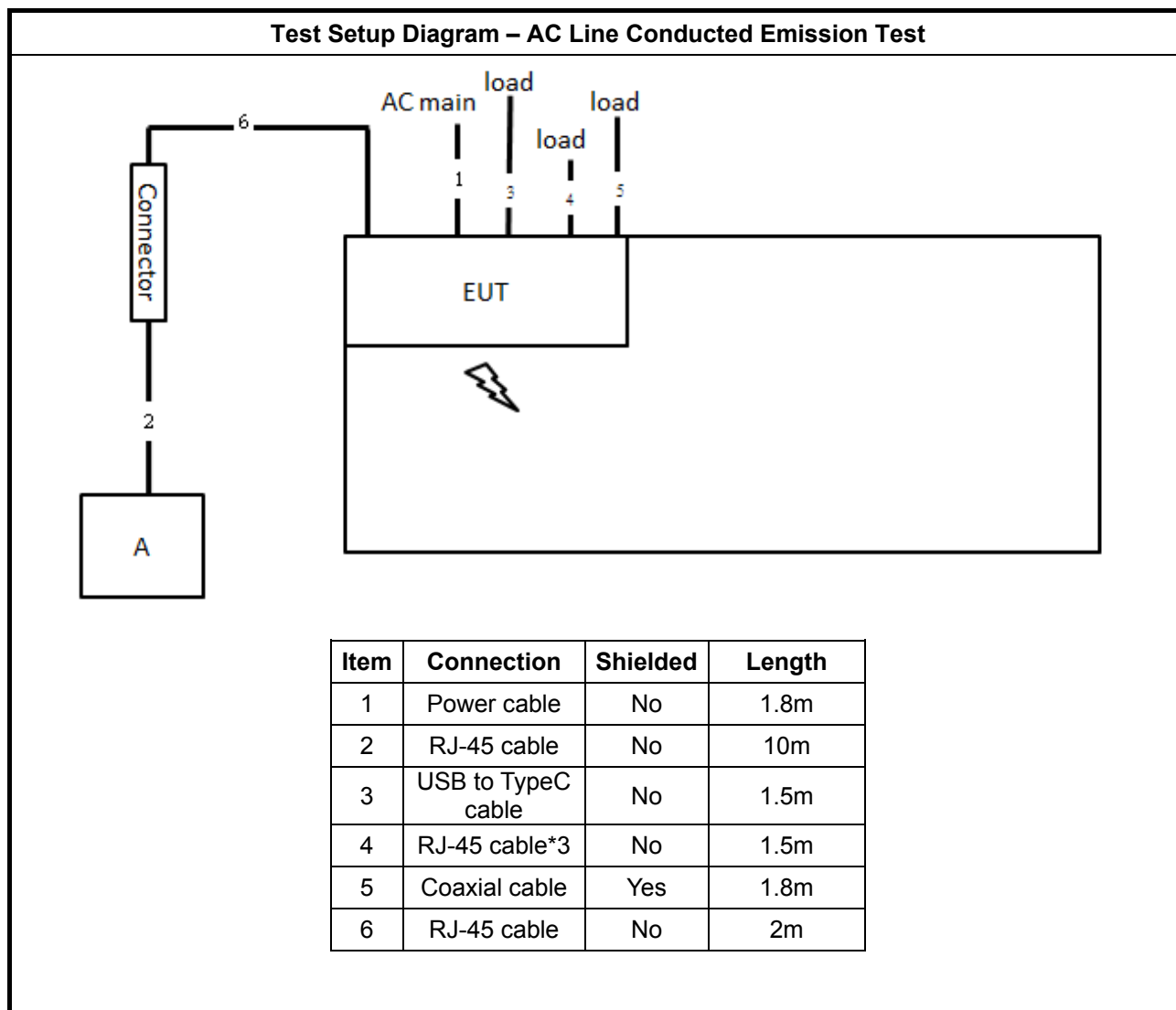
For Radiated (above 1GHz)

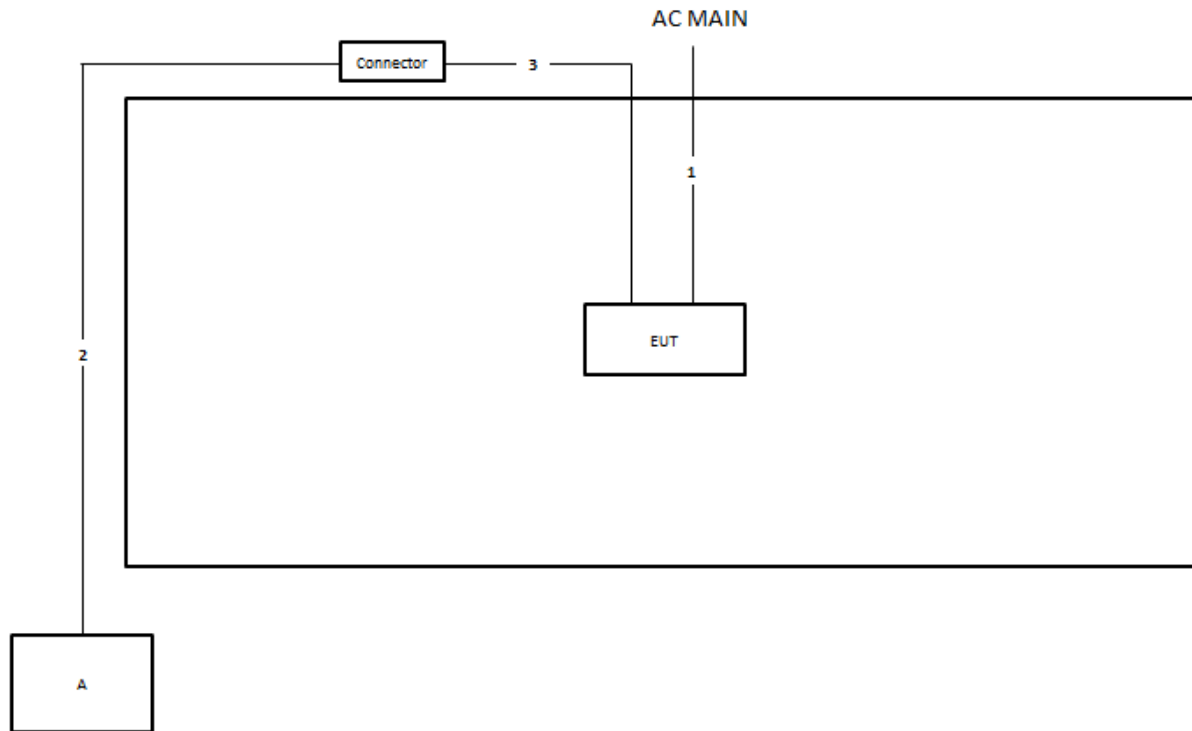
| Support Equipment |             |            |            |            |
|-------------------|-------------|------------|------------|------------|
| No.               | Equipment   | Brand Name | Model Name | FCC ID     |
| A                 | Notebook    | DELL       | E4300      | N/A        |
| B                 | WLAN module | Intel      | AX210NGW   | PD9AX210NG |
| C                 | Notebook    | DELL       | E4300      | N/A        |

For RF Conducted:

| Support Equipment |             |            |            |            |
|-------------------|-------------|------------|------------|------------|
| No.               | Equipment   | Brand Name | Model Name | FCC ID     |
| A                 | Notebook    | DELL       | E4300      | N/A        |
| B                 | Notebook    | Lenovo     | L440       | N/A        |
| C                 | WLAN module | Intel      | AX210NGW   | PD9AX210NG |

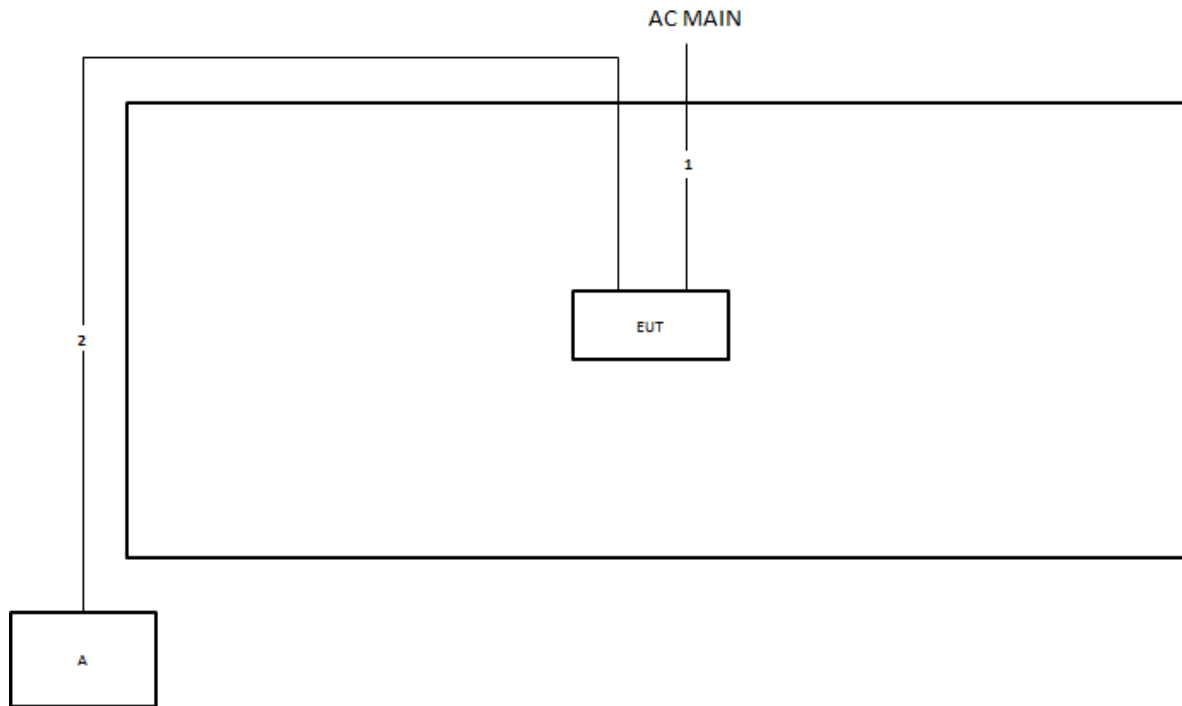
## 2.6 Test Setup Diagram



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


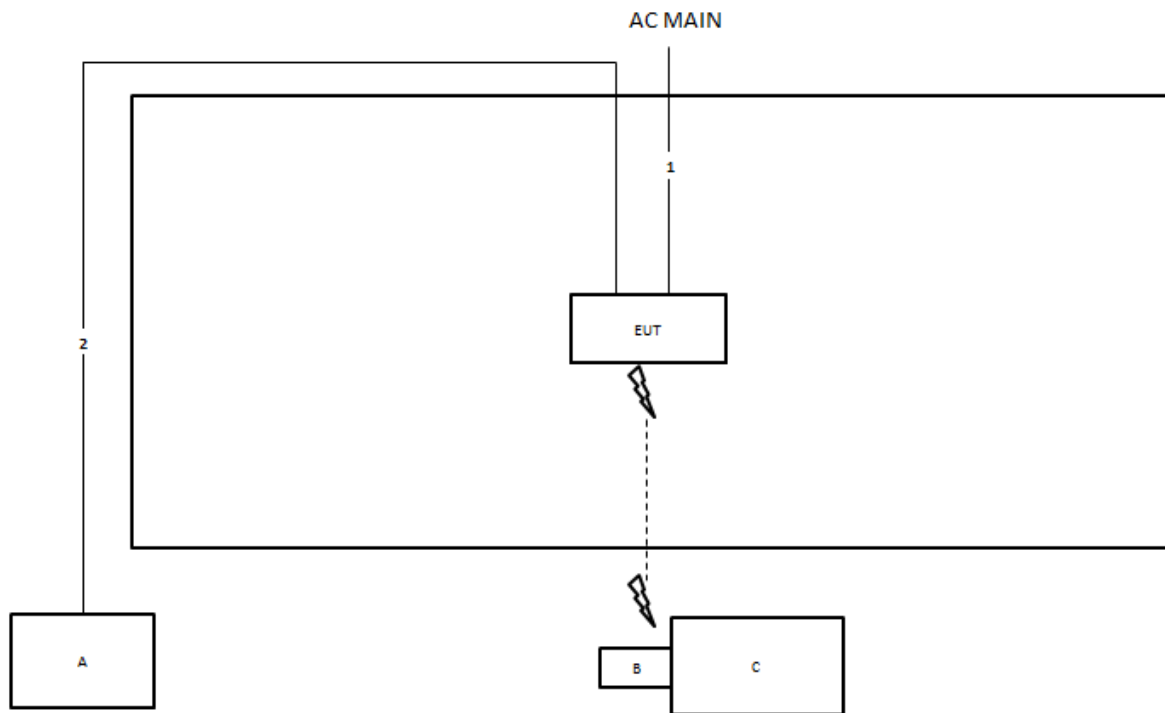
| Item | Connection  | Shielded | Length |
|------|-------------|----------|--------|
| 1    | Power cable | No       | 1.8m   |
| 2    | RJ-45 cable | No       | 10m    |
| 3    | RJ-45 cable | No       | 2m     |

**Test Setup Diagram - Radiated Test > 1GHz  
Non-beamforming mode**



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

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



| Item | Connection  | Shielded | Length |
|------|-------------|----------|--------|
| 1    | Power cable | No       | 1.8m   |
| 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.

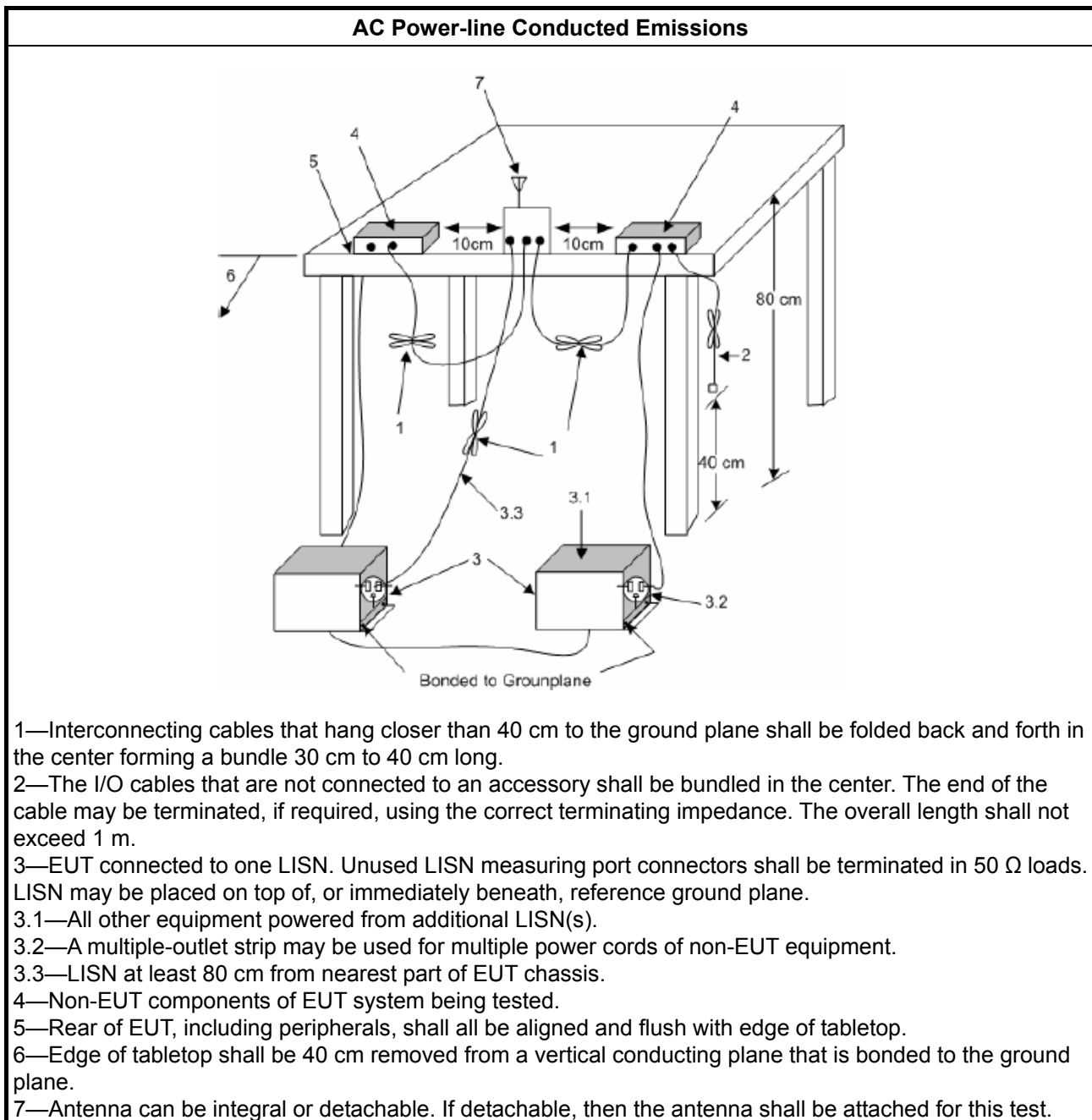
##### 3.1.2 Measuring Instruments

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:

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

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

Refer as Appendix A



## 3.2 Emission Bandwidth

### 3.2.1 Emission Bandwidth Limit

| Emission Bandwidth Limit            |                                                                                                                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 $\geq 500\text{kHz}$ .                                                                             |
| <input type="checkbox"/>            | For the 5.85-5.895 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 $\geq 500\text{kHz}$ .                                                                                                               |

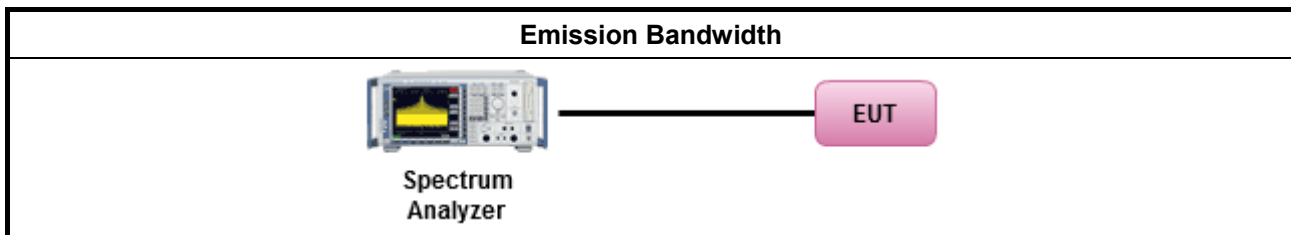
### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

| Test Method                                                                    |                                                                                 |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| ▪ For the emission bandwidth shall be measured using one of the options below: |                                                                                 |
| <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:                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                         | <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:                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                         | <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>Maximum EIRP Limit</b>                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/> For the 5.85-5.895 GHz band:                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"><li>Indoor AP &amp; subordinate device &lt; 36 dBm</li><li>Client device &lt; 30 dBm</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:                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                         | <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</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |



lesser of 1 W.

$P_{\text{Out}}$  = maximum conducted output power in dBm,

$G_{\text{TX}}$  = the maximum transmitting antenna directional gain in dBi.

### 3.3.2 Measuring Instruments

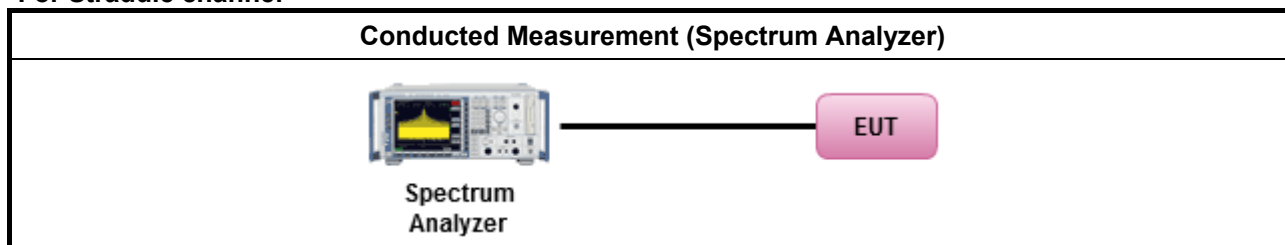
Refer a test equipment and calibration data table in this test report.

### 3.3.3 Test Procedures

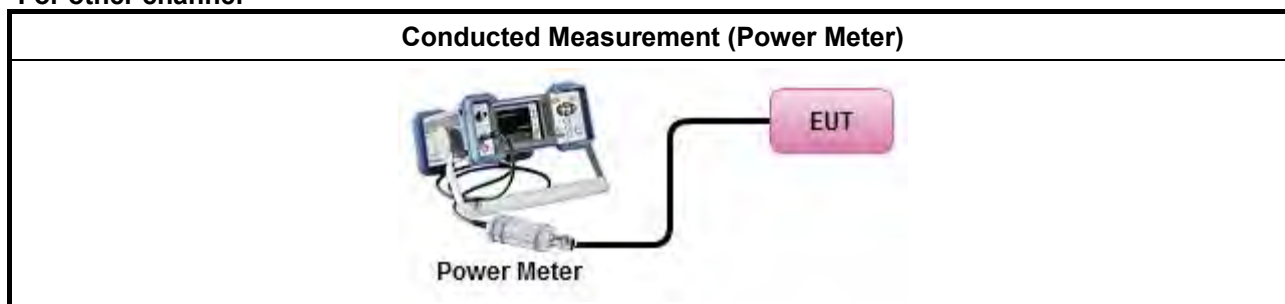
| Test Method                         |                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | 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.                                                                                                                                                                                                                                                                                                                                           |
|                                     | <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_{\text{total}} = P_1 + P_2 + \dots + P_n</math><br/>(calculated in linear unit [mW] and transfer to log unit [dBm])<br/><math>\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}</math></li></ul>                              |
| <input type="checkbox"/>            | For radiated measurement.                                                                                                                                                                                                                                                                                                                                            |
|                                     | <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 Straddle channel



For other channel



### 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:                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                   | <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:                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                   | <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>EIRP Power Spectral Density Limit</b>                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <input type="checkbox"/> For the 5.85-5.895 GHz band:                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                   | <ul style="list-style-type: none"><li>Indoor AP &amp; subordinate device <math>&lt; 20</math>dBm/MHz</li><li>Client device <math>&lt; 14</math>dBm/MHz</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.                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                   | <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:                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                   | <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  
 $G_{TX}$  = the maximum transmitting antenna directional gain in dBi.

### 3.4.2 Measuring Instruments

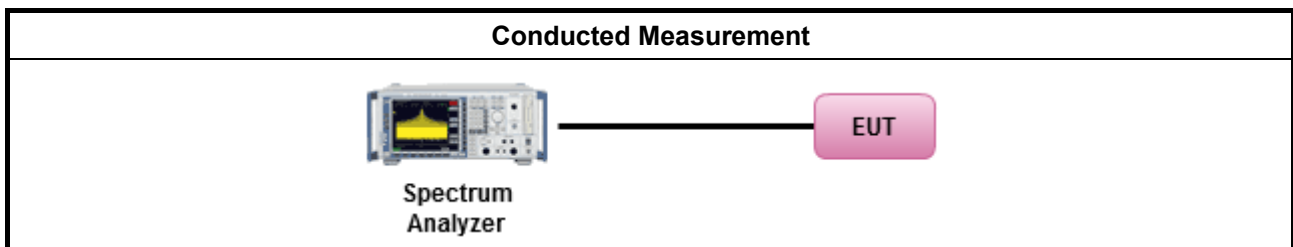
Refer a test equipment and calibration data table in this test report.

### 3.4.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| [duty cycle ≥ 98% or external video / power trigger]                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <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>PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n</math><br/>(calculated in linear unit [mW] and transfer to log unit [dBm])</li></ul>                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| Test Method              |                                                                                                                                                |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|                          | $EIRP_{total} = PPSD_{total} + DG$                                                                                                             |
| <input type="checkbox"/> | For radiated measurement.                                                                                                                      |
|                          | <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> </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>Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.</li> </ul>                                 |

### 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. |
| <input type="checkbox"/> 5.85 - 5.895 GHz            | (i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of - 7 dBm/MHz at or above 5.925 GHz.<br>(ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an                                                                                                                      |



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

### 3.5.2 Measuring Instruments

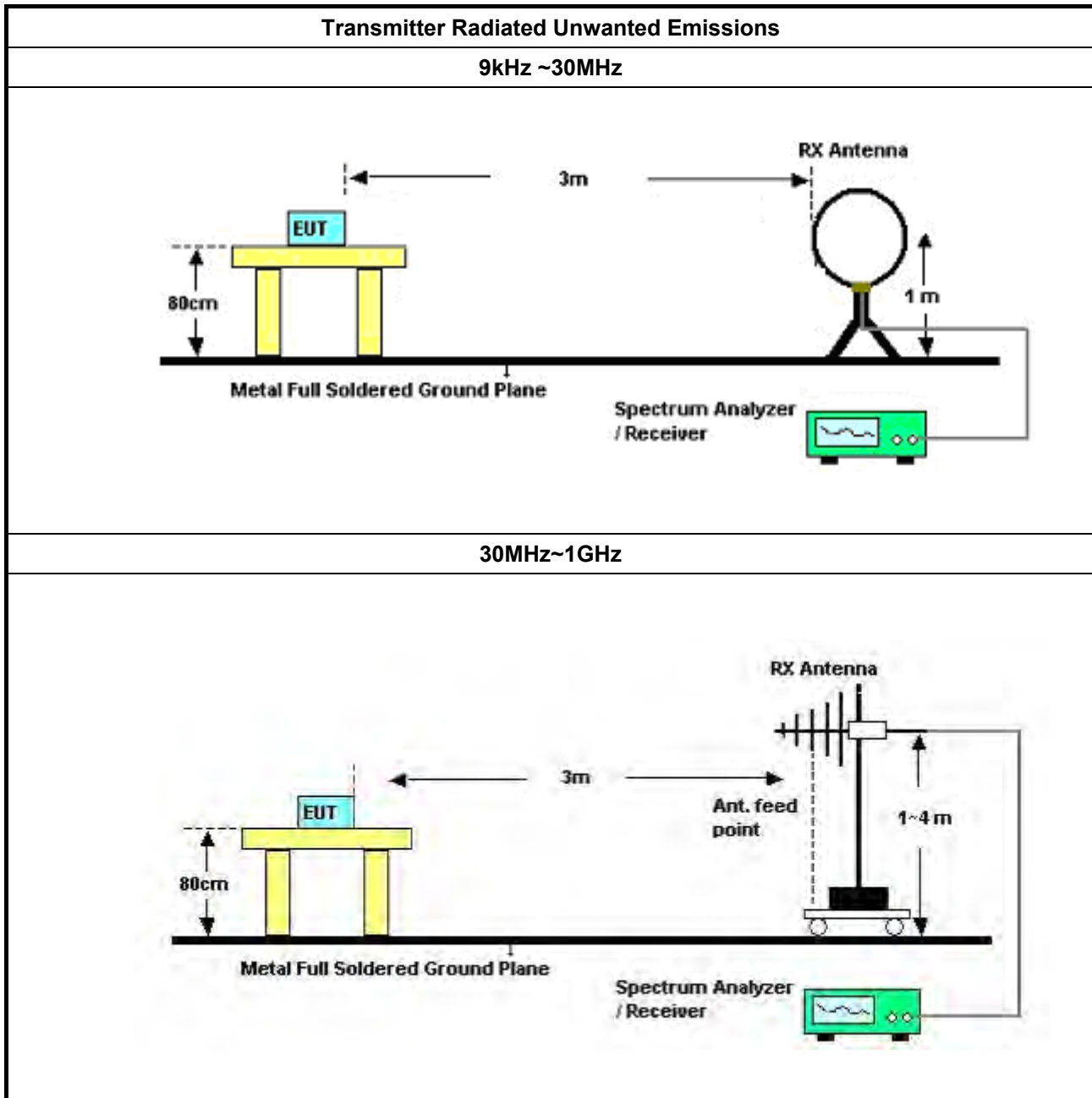
Refer a test equipment and calibration data table in this test report.

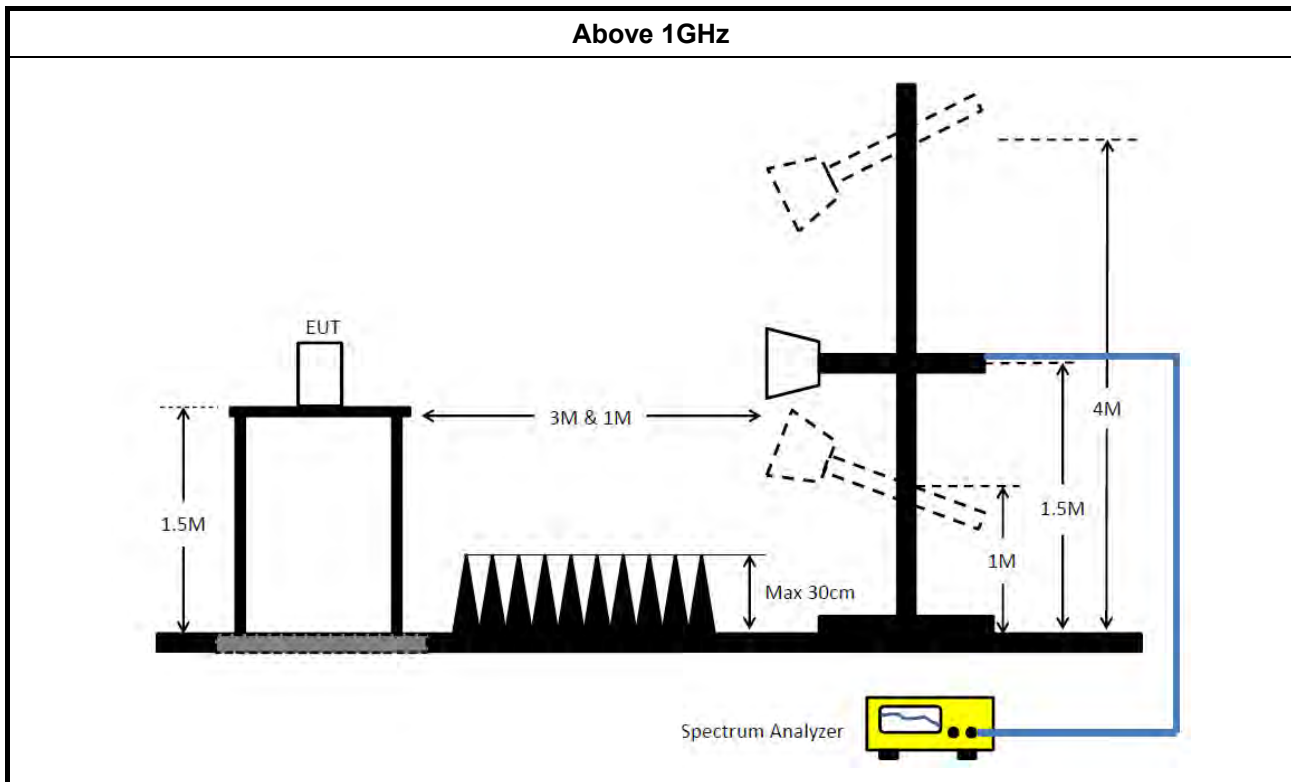


### 3.5.3 Test Procedures

| 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. 22, 2022    | Feb. 21, 2023        | Conduction (CO01-CB)  |
| LISN                               | F.C.C.           | FCC-LISN-50-16-2  | 04083           | 150kHz ~ 100MHz | Feb. 09, 2022    | Feb. 08, 2023        | Conduction (CO01-CB)  |
| LISN                               | Schwarzbeck      | NSLK 8127         | 8127647         | 9kHz ~ 30MHz    | Apr. 12, 2022    | Apr. 11, 2023        | Conduction (CO01-CB)  |
| Pulse Limiter                      | Rohde&Schwarz    | ESH3-Z2           | 100430          | 9kHz ~ 30MHz    | Feb. 10, 2022    | Feb. 09, 2023        | Conduction (CO01-CB)  |
| COND Cable                         | Woken            | Cable             | Low cable-CO01  | 9kHz ~ 30MHz    | May 18, 2022     | May 17, 2023         | Conduction (CO01-CB)  |
| Software                           | SPORTON          | SENSE             | V5.10           | -               | N.C.R.           | N.C.R.               | Conduction (CO01-CB)  |
| Loop Antenna                       | Teseq            | HLA 6120          | 24155           | 9kHz - 30 MHz   | Apr. 14, 2021    | Apr. 13, 2022        | Radiation (03CH03-CB) |
| 3m Semi Anechoic Chamber NSA       | TDK              | SAC-3M            | 03CH03-CB       | 30 MHz ~ 1 GHz  | Jan. 27, 2021    | Jan. 26, 2022        | Radiation (03CH03-CB) |
| 3m Semi Anechoic Chamber NSA       | TDK              | SAC-3M            | 03CH03-CB       | 30 MHz ~ 1 GHz  | Jan. 26, 2022    | Jan. 25, 2023        | Radiation (03CH03-CB) |
| 3m Semi Anechoic Chamber VSWR      | TDK              | SAC-3M            | 03CH03-CB       | 1GHz ~18GHz 3m  | May 06, 2021     | May 05, 2022         | Radiation (03CH03-CB) |
| Bilog Antenna with 6 dB attenuator | Schaffner & EMCI | CBL6112B & N-6-06 | 2928 & AT-N0608 | 20MHz ~ 2GHz    | Feb. 22, 2021    | Feb. 21, 2022        | Radiation (03CH03-CB) |
| Bilog Antenna with 6 dB attenuator | Schaffner & EMCI | CBL6112B & N-6-06 | 2928 & AT-N0608 | 20MHz ~ 2GHz    | Feb. 21, 2022    | Feb. 20, 2023        | Radiation (03CH03-CB) |
| Horn Antenna                       | ETS • Lindgren   | 3115              | 6821            | 750MHz~18GHz    | Jan. 26, 2021    | Jan. 25, 2022        | Radiation (03CH03-CB) |
| Horn Antenna                       | ETS • Lindgren   | 3115              | 6821            | 750MHz~18GHz    | Jan. 21, 2022    | Jan. 20, 2023        | Radiation (03CH03-CB) |
| Horn Antenna                       | Schwarzbeck      | BBHA 9170         | BBHA9170252     | 15GHz ~ 40GHz   | Aug. 05, 2021    | Aug. 04, 2022        | Radiation (03CH03-CB) |
| Pre-Amplifier                      | Agilent          | 8447D             | 2944A10259      | 9kHz ~ 1.3GHz   | Jan. 11, 2021    | Jan. 10, 2022        | Radiation (03CH03-CB) |
| Pre-Amplifier                      | Agilent          | 8447D             | 2944A10259      | 9kHz ~ 1.3GHz   | Jan. 10, 2022    | Jan. 09, 2023        | Radiation (03CH03-CB) |
| Pre-Amplifier                      | Agilent          | 8449B             | 3008A02097      | 1GHz ~ 26.5GHz  | Jul. 02, 2021    | Jul. 01, 2022        | Radiation (03CH03-CB) |
| Pre-Amplifier                      | MITEQ            | TTA1840-35-H G    | 1864479         | 18GHz ~ 40GHz   | Jul. 13, 2021    | Jul. 12, 2022        | Radiation (03CH03-CB) |
| Spectrum Analyzer                  | R&S              | FSP40             | 100019          | 9kHz ~ 40GHz    | Jun. 04, 2021    | Jun. 03, 2022        | Radiation (03CH03-CB) |



| Instrument                    | Brand       | Model No.      | Serial No.       | Characteristics  | Calibration Date | Calibration Due Date | Remark                |
|-------------------------------|-------------|----------------|------------------|------------------|------------------|----------------------|-----------------------|
| EMI Test Receiver             | R&S         | ESCS           | 826547/017       | 9kHz ~ 2.75GHz   | Jun. 21, 2021    | Jun. 20, 2022        | Radiation (03CH03-CB) |
| RF Cable-low                  | Woken       | RG402          | Low Cable-02+29  | 30MHz ~ 1GHz     | Oct. 04, 2021    | Oct. 03, 2022        | Radiation (03CH03-CB) |
| RF Cable-high                 | Woken       | RG402          | High Cable-20+29 | 1GHz ~ 18GHz     | Oct. 04, 2021    | Oct. 03, 2022        | Radiation (03CH03-CB) |
| RF Cable-high                 | Woken       | RG402          | High Cable-29    | 1GHz ~ 18GHz     | Oct. 04, 2021    | Oct. 03, 2022        | Radiation (03CH03-CB) |
| High Cable                    | Woken       | WCA0929M       | 40G#5+7          | 1GHz ~ 40 GHz    | Dec. 14, 2021    | Dec. 13, 2022        | Radiation (03CH03-CB) |
| High Cable                    | Woken       | WCA0929M       | 40G#5            | 1GHz ~ 40 GHz    | Dec. 08, 2021    | Dec. 07, 2022        | Radiation (03CH03-CB) |
| High Cable                    | Woken       | WCA0929M       | 40G#7            | 1GHz ~ 40 GHz    | Dec. 14, 2021    | Dec. 13, 2022        | Radiation (03CH03-CB) |
| Test Software                 | SPORTON     | SENSE          | V5.10            | -                | N.C.R.           | N.C.R.               | Radiation (03CH03-CB) |
| 3m Semi Anechoic Chamber VSWR | TDK         | SAC-3M         | 03CH06-CB        | 1GHz ~18GHz 3m   | Oct. 01, 2021    | Sep. 30, 2022        | Radiation (03CH06-CB) |
| Horn Antenna                  | SCHWARZBECK | BBHA9120D      | BBHA 9120D-1292  | 1GHz~18GHz       | Aug. 04, 2021    | Aug. 03, 2022        | Radiation (03CH06-CB) |
| Horn Antenna                  | Schwarzbeck | BBHA 9170      | BBHA9170252      | 15GHz ~ 40GHz    | Aug. 05, 2021    | Aug. 04, 2022        | Radiation (03CH06-CB) |
| Pre-Amplifier                 | Agilent     | 83017A         | MY53270064       | 0.5GHz ~ 26.5GHz | May 06, 2021     | May 05, 2022         | Radiation (03CH06-CB) |
| Pre-Amplifier                 | MITEQ       | TTA1840-35-H G | 1864479          | 18GHz ~ 40GHz    | Jul. 13, 2021    | Jul. 12, 2022        | Radiation (03CH06-CB) |
| Signal Analyzer               | R&S         | FSV40          | 101903           | 9kHz ~ 40GHz     | Mar. 22, 2021    | Mar. 21, 2022        | Radiation (03CH06-CB) |
| RF Cable-high                 | Woken       | RG402          | High Cable-05    | 1GHz~18GHz       | Oct. 04, 2021    | Oct. 03, 2022        | Radiation (03CH06-CB) |
| RF Cable-high                 | Woken       | RG402          | High Cable-05+24 | 1GHz~18GHz       | Oct. 04, 2021    | Oct. 03, 2022        | Radiation (03CH06-CB) |
| High Cable                    | Woken       | WCA0929M       | 40G#5+7          | 1GHz ~ 40 GHz    | Dec. 14, 2021    | Dec. 13, 2022        | Radiation (03CH06-CB) |
| High Cable                    | Woken       | WCA0929M       | 40G#5            | 1GHz ~ 40 GHz    | Dec. 08, 2021    | Dec. 07, 2022        | Radiation (03CH06-CB) |
| High Cable                    | Woken       | WCA0929M       | 40G#7            | 1GHz ~ 40 GHz    | Dec. 14, 2021    | Dec. 13, 2022        | Radiation (03CH06-CB) |
| Test Software                 | SPORTON     | SENSE          | V5.10            | -                | N.C.R.           | N.C.R.               | Radiation (03CH06-CB) |
| Spectrum analyzer             | R&S         | FSV40          | 100979           | 9kHz~40GHz       | May 21, 2021     | May 20, 2022         | Conducted (TH01-CB)   |
| Signal Analyzer               | R&S         | FSV40          | 101904           | 9kHz ~ 40GHz     | Apr. 26, 2022    | Apr. 25, 2023        | Conducted (TH01-CB)   |
| RF Cable-high                 | Woken       | RG402          | High Cable-06    | 1 GHz – 26.5 GHz | Oct. 04, 2021    | Oct. 03, 2022        | Conducted (TH01-CB)   |
| RF Cable-high                 | Woken       | RG402          | High Cable-07    | 1 GHz –26.5 GHz  | Oct. 04, 2021    | Oct. 03, 2022        | Conducted (TH01-CB)   |



| Instrument    | Brand   | Model No. | Serial No.    | Characteristics | Calibration Date | Calibration Due Date | Remark              |
|---------------|---------|-----------|---------------|-----------------|------------------|----------------------|---------------------|
| RF Cable-high | Woken   | RG402     | High Cable-08 | 1 GHz –26.5 GHz | Oct. 04, 2021    | Oct. 03, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | High Cable-09 | 1 GHz –26.5 GHz | Oct. 04, 2021    | Oct. 03, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | High Cable-10 | 1 GHz –26.5 GHz | Oct. 04, 2021    | Oct. 03, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | High Cable-30 | 1 GHz –26.5 GHz | Oct. 04, 2021    | Oct. 03, 2022        | Conducted (TH01-CB) |
| Switch        | SPTCB   | SP-SWI    | SWI-01        | 1 GHz –26.5 GHz | Dec. 13, 2021    | Dec. 12, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | SWI-01-P1     | 1 GHz –26.5 GHz | Dec. 13, 2021    | Dec. 12, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | SWI-01-P2     | 1 GHz –26.5 GHz | Dec. 13, 2021    | Dec. 12, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | SWI-01-P3     | 1 GHz –26.5 GHz | Dec. 13, 2021    | Dec. 12, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | SWI-01-P4     | 1 GHz –26.5 GHz | Dec. 13, 2021    | Dec. 12, 2022        | Conducted (TH01-CB) |
| RF Cable-high | Woken   | RG402     | SWI-01-P5     | 1 GHz –26.5 GHz | Dec. 13, 2021    | Dec. 12, 2022        | Conducted (TH01-CB) |
| Power Sensor  | Agilent | E9327A    | US40442088    | 50MHz~18GHz     | Feb. 21, 2022    | Feb. 20, 2023        | Conducted (TH01-CB) |
| Power Meter   | Agilent | E4416A    | GB41291199    | 50MHz~18GHz     | Feb. 21, 2022    | Feb. 20, 2023        | Conducted (TH01-CB) |
| Test Software | SPORTON | SENSE     | V5.10         | -               | N.C.R.           | N.C.R.               | Conducted (TH01-CB) |

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

NCR means Non-Calibration required.



## Conducted Emissions at Powerline

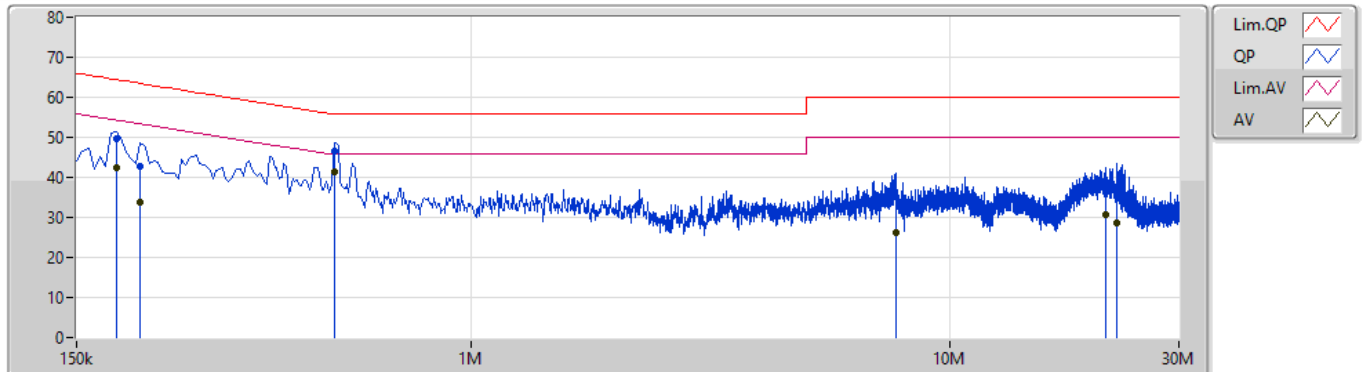
## Appendix A

### Summary

| Mode   | Result | Type | Freq<br>(Hz) | Level<br>(dBuV) | Limit<br>(dBuV) | Margin<br>(dB) | Condition |
|--------|--------|------|--------------|-----------------|-----------------|----------------|-----------|
| Mode 1 | Pass   | AV   | 568.5k       | 41.98           | 46.00           | -4.02          | Neutral   |

### Mode 1

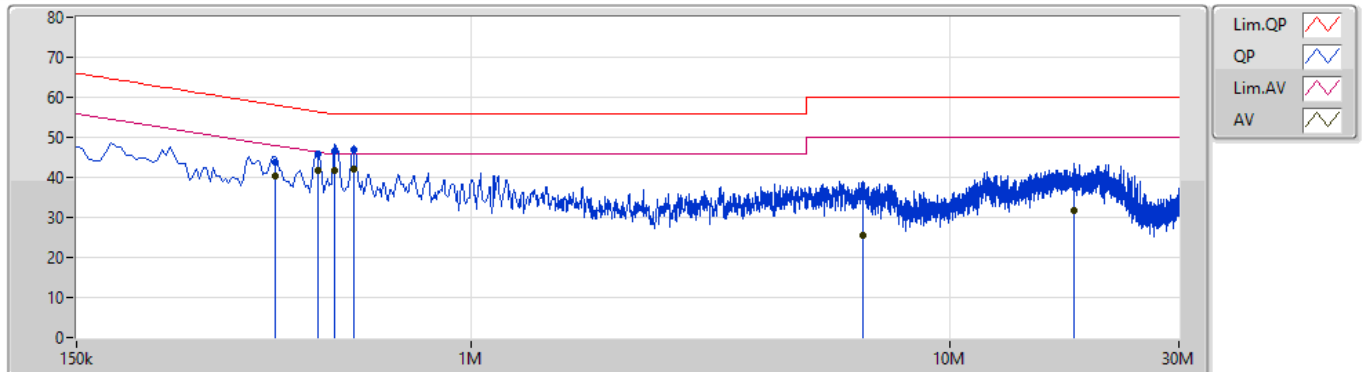
07/06/2022



| 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   | 181.5k       | 49.82           | 64.41           | -14.59         | 9.99           | Line      | -       | 39.83         | 0.06         | 0.04       | 9.89       |  |  |  |
| AV   | 181.5k       | 42.32           | 54.41           | -12.09         | 9.99           | Line      | -       | 32.33         | 0.06         | 0.04       | 9.89       |  |  |  |
| QP   | 204k         | 42.75           | 63.44           | -20.69         | 9.99           | Line      | -       | 32.76         | 0.06         | 0.04       | 9.89       |  |  |  |
| AV   | 204k         | 33.81           | 53.44           | -19.63         | 9.99           | Line      | -       | 23.82         | 0.06         | 0.04       | 9.89       |  |  |  |
| QP   | 519k         | 46.54           | 56.00           | -9.46          | 10.00          | Line      | -       | 36.54         | 0.06         | 0.05       | 9.89       |  |  |  |
| AV   | 519k         | 41.34           | 46.00           | -4.66          | 10.00          | Line      | "Worst" | 31.34         | 0.06         | 0.05       | 9.89       |  |  |  |
| QP   | 7.683M       | 35.26           | 60.00           | -24.74         | 10.23          | Line      | -       | 25.03         | 0.19         | 0.14       | 9.90       |  |  |  |
| AV   | 7.683M       | 26.20           | 50.00           | -23.80         | 10.23          | Line      | -       | 15.97         | 0.19         | 0.14       | 9.90       |  |  |  |
| QP   | 21.062M      | 37.65           | 60.00           | -22.35         | 10.50          | Line      | -       | 27.15         | 0.31         | 0.23       | 9.96       |  |  |  |
| AV   | 21.062M      | 30.53           | 50.00           | -19.47         | 10.50          | Line      | -       | 20.03         | 0.31         | 0.23       | 9.96       |  |  |  |
| QP   | 22.281M      | 36.19           | 60.00           | -23.81         | 10.54          | Line      | -       | 25.65         | 0.33         | 0.25       | 9.96       |  |  |  |
| AV   | 22.281M      | 28.75           | 50.00           | -21.25         | 10.54          | Line      | -       | 18.21         | 0.33         | 0.25       | 9.96       |  |  |  |

## Mode 1

07/06/2022



| 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   | 388.5k       | 43.88           | 58.10           | -14.22         | 10.02          | Neutral   | -       | 33.86         | 0.07         | 0.06       | 9.89       |  |  |  |
| AV   | 388.5k       | 40.42           | 48.10           | -7.68          | 10.02          | Neutral   | -       | 30.40         | 0.07         | 0.06       | 9.89       |  |  |  |
| QP   | 478.5k       | 45.84           | 56.36           | -10.52         | 10.02          | Neutral   | -       | 35.82         | 0.07         | 0.06       | 9.89       |  |  |  |
| AV   | 478.5k       | 41.66           | 46.36           | -4.70          | 10.02          | Neutral   | -       | 31.64         | 0.07         | 0.06       | 9.89       |  |  |  |
| QP   | 519k         | 46.66           | 56.00           | -9.34          | 10.01          | Neutral   | -       | 36.65         | 0.07         | 0.05       | 9.89       |  |  |  |
| AV   | 519k         | 41.63           | 46.00           | -4.37          | 10.01          | Neutral   | -       | 31.62         | 0.07         | 0.05       | 9.89       |  |  |  |
| QP   | 568.5k       | 46.76           | 56.00           | -9.24          | 10.01          | Neutral   | -       | 36.75         | 0.07         | 0.05       | 9.89       |  |  |  |
| AV   | 568.5k       | 41.98           | 46.00           | -4.02          | 10.01          | Neutral   | "Worst" | 31.97         | 0.07         | 0.05       | 9.89       |  |  |  |
| QP   | 6.554M       | 35.30           | 60.00           | -24.70         | 10.22          | Neutral   | -       | 25.08         | 0.19         | 0.13       | 9.90       |  |  |  |
| AV   | 6.554M       | 25.42           | 50.00           | -24.58         | 10.22          | Neutral   | -       | 15.20         | 0.19         | 0.13       | 9.90       |  |  |  |
| QP   | 18.078M      | 38.43           | 60.00           | -21.57         | 10.44          | Neutral   | -       | 27.99         | 0.29         | 0.20       | 9.95       |  |  |  |
| AV   | 18.078M      | 31.85           | 50.00           | -18.15         | 10.44          | Neutral   | -       | 21.41         | 0.29         | 0.20       | 9.95       |  |  |  |

**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)_4TX        | 27.72M           | 17.631M         | 17M6D1D  | 24.87M           | 17.121M         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 24.3M            | 19.37M          | 19M4D1D  | 21.54M           | 19.01M          |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 43.38M           | 38.741M         | 38M7D1D  | 40.02M           | 38.141M         |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 86.76M           | 78.561M         | 78M6D1D  | 85.68M           | 78.201M         |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 85.68M           | 79.48M          | 79M5D1D  | 84.88M           | 79M             |
| 5.25-5.35GHz                    | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_4TX        | 27.42M           | 17.751M         | 17M8D1D  | 24.45M           | 17.151M         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 23.76M           | 19.43M          | 19M4D1D  | 20.1M            | 18.891M         |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 43.68M           | 38.681M         | 38M7D1D  | 41.46M           | 38.141M         |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 85.44M           | 78.441M         | 78M4D1D  | 82.32M           | 77.601M         |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 84.16M           | 78.521M         | 78M5D1D  | 82.4M            | 78.201M         |
| 5.47-5.725GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_4TX        | 26.61M           | 17.661M         | 17M7D1D  | 25.02M           | 17.211M         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 25.02M           | 19.43M          | 19M4D1D  | 21.39M           | 19.01M          |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 44.16M           | 38.381M         | 38M4D1D  | 40.26M           | 38.021M         |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 84.72M           | 78.441M         | 78M4D1D  | 82.2M            | 77.601M         |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 167.76M          | 157.361M        | 157MD1D  | 166.32M          | 156.882M        |
| 5.725-5.85GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_4TX        | 16.59M           | 26.447M         | 26M4D1D  | 16.38M           | 17.751M         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 19.14M           | 23.388M         | 23M4D1D  | 18.96M           | 19.31M          |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 38.22M           | 45.457M         | 45M5D1D  | 37.86M           | 38.381M         |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 78.12M           | 78.321M         | 78M3D1D  | 77.76M           | 77.961M         |

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

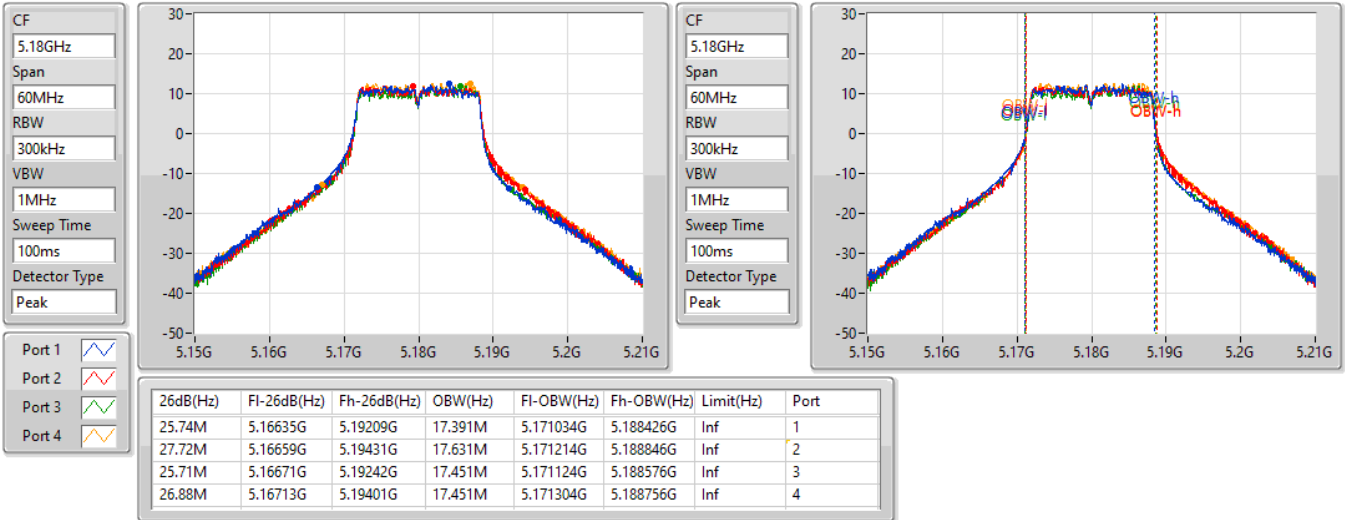
**Result**

| Mode                            | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|---------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| 802.11a_Nss1,(6Mbps)_4TX        | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 5180MHz                         | Pass   | Inf        | 25.74M           | 17.391M         | 27.72M           | 17.631M         | 25.71M           | 17.451M         | 26.88M           | 17.451M         |
| 5200MHz                         | Pass   | Inf        | 25.5M            | 17.421M         | 27.54M           | 17.631M         | 25.8M            | 17.451M         | 26.97M           | 17.451M         |
| 5240MHz                         | Pass   | Inf        | 25.83M           | 17.451M         | 25.95M           | 17.571M         | 25.8M            | 17.271M         | 24.87M           | 17.121M         |
| 5260MHz                         | Pass   | Inf        | 25.65M           | 17.391M         | 26.4M            | 17.301M         | 24.45M           | 17.151M         | 25.2M            | 17.151M         |
| 5300MHz                         | Pass   | Inf        | 26.1M            | 17.451M         | 26.22M           | 17.361M         | 27.3M            | 17.751M         | 26.01M           | 17.271M         |
| 5320MHz                         | Pass   | Inf        | 25.86M           | 17.511M         | 27.42M           | 17.601M         | 25.92M           | 17.361M         | 26.43M           | 17.391M         |
| 5500MHz                         | Pass   | Inf        | 26.28M           | 17.631M         | 26.34M           | 17.331M         | 25.68M           | 17.661M         | 26.04M           | 17.391M         |
| 5580MHz                         | Pass   | Inf        | 25.74M           | 17.661M         | 26.61M           | 17.331M         | 25.26M           | 17.391M         | 25.95M           | 17.451M         |
| 5700MHz                         | Pass   | Inf        | 25.02M           | 17.481M         | 26.49M           | 17.511M         | 26.28M           | 17.211M         | 26.19M           | 17.391M         |
| 5745MHz                         | Pass   | 500k       | 16.44M           | 19.61M          | 16.53M           | 18.261M         | 16.38M           | 19.85M          | 16.56M           | 17.751M         |
| 5785MHz                         | Pass   | 500k       | 16.5M            | 19.94M          | 16.59M           | 19.16M          | 16.53M           | 21.079M         | 16.59M           | 18.621M         |
| 5825MHz                         | Pass   | 500k       | 16.41M           | 26.447M         | 16.59M           | 26.417M         | 16.47M           | 24.078M         | 16.56M           | 23.088M         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 5180MHz                         | Pass   | Inf        | 23.85M           | 19.25M          | 24.3M            | 19.37M          | 23.79M           | 19.22M          | 23.04M           | 19.07M          |
| 5200MHz                         | Pass   | Inf        | 21.99M           | 19.01M          | 21.54M           | 19.01M          | 21.84M           | 19.04M          | 22.11M           | 19.07M          |
| 5240MHz                         | Pass   | Inf        | 22.95M           | 19.22M          | 23.25M           | 19.25M          | 23.4M            | 19.28M          | 22.92M           | 19.22M          |
| 5260MHz                         | Pass   | Inf        | 22.98M           | 19.01M          | 23.76M           | 19.1M           | 23.43M           | 19.1M           | 22.44M           | 19.01M          |
| 5300MHz                         | Pass   | Inf        | 20.46M           | 18.921M         | 20.1M            | 18.891M         | 20.67M           | 18.951M         | 21.45M           | 18.951M         |
| 5320MHz                         | Pass   | Inf        | 23.1M            | 19.43M          | 23.37M           | 19.43M          | 23.19M           | 19.43M          | 23.31M           | 19.43M          |
| 5500MHz                         | Pass   | Inf        | 24.24M           | 19.43M          | 24.21M           | 19.28M          | 23.76M           | 19.25M          | 22.59M           | 19.22M          |
| 5580MHz                         | Pass   | Inf        | 24.21M           | 19.16M          | 23.16M           | 19.1M           | 23.7M            | 19.16M          | 25.02M           | 19.31M          |
| 5700MHz                         | Pass   | Inf        | 21.39M           | 19.01M          | 21.42M           | 19.04M          | 22.92M           | 19.22M          | 23.31M           | 19.25M          |
| 5745MHz                         | Pass   | 500k       | 18.96M           | 22.339M         | 19.08M           | 19.31M          | 19.08M           | 23.388M         | 19.08M           | 19.31M          |
| 5785MHz                         | Pass   | 500k       | 19.14M           | 19.58M          | 19.14M           | 19.49M          | 19.14M           | 19.64M          | 19.14M           | 19.55M          |
| 5825MHz                         | Pass   | 500k       | 19.05M           | 21.829M         | 19.08M           | 23.118M         | 19.11M           | 20.15M          | 19.05M           | 19.88M          |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 5190MHz                         | Pass   | Inf        | 43.38M           | 38.741M         | 42.06M           | 38.441M         | 42.06M           | 38.381M         | 42.48M           | 38.621M         |
| 5230MHz                         | Pass   | Inf        | 41.1M            | 38.261M         | 40.92M           | 38.141M         | 40.02M           | 38.141M         | 41.22M           | 38.201M         |
| 5270MHz                         | Pass   | Inf        | 42.78M           | 38.201M         | 41.82M           | 38.141M         | 41.76M           | 38.141M         | 42.06M           | 38.201M         |
| 5310MHz                         | Pass   | Inf        | 42.84M           | 38.621M         | 43.68M           | 38.681M         | 42.36M           | 38.321M         | 41.46M           | 38.201M         |
| 5510MHz                         | Pass   | Inf        | 42M              | 38.261M         | 42.24M           | 38.261M         | 41.1M            | 38.081M         | 40.26M           | 38.021M         |
| 5550MHz                         | Pass   | Inf        | 42.6M            | 38.201M         | 42.54M           | 38.201M         | 42.18M           | 38.081M         | 41.22M           | 38.081M         |
| 5670MHz                         | Pass   | Inf        | 42.36M           | 38.261M         | 42.54M           | 38.201M         | 42.36M           | 38.141M         | 44.16M           | 38.381M         |
| 5755MHz                         | Pass   | 500k       | 38.22M           | 39.22M          | 37.98M           | 38.381M         | 37.98M           | 38.981M         | 38.22M           | 38.621M         |
| 5795MHz                         | Pass   | 500k       | 38.1M            | 41.739M         | 37.92M           | 42.039M         | 37.86M           | 45.457M         | 38.1M            | 39.58M          |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 5210MHz                         | Pass   | Inf        | 85.68M           | 78.201M         | 86.04M           | 78.441M         | 86.76M           | 78.561M         | 86.28M           | 78.441M         |
| 5290MHz                         | Pass   | Inf        | 82.32M           | 77.601M         | 82.8M            | 77.601M         | 83.64M           | 77.841M         | 85.44M           | 78.441M         |
| 5530MHz                         | Pass   | Inf        | 82.8M            | 77.601M         | 82.56M           | 77.841M         | 82.2M            | 77.601M         | 82.44M           | 77.601M         |
| 5610MHz                         | Pass   | Inf        | 83.76M           | 78.441M         | 84.72M           | 78.321M         | 83.52M           | 78.321M         | 83.16M           | 78.081M         |
| 5775MHz                         | Pass   | 500k       | 78M              | 78.321M         | 77.88M           | 77.961M         | 77.76M           | 78.081M         | 78.12M           | 78.081M         |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | Inf        | 85.68M           | 79.48M          | 85.44M           | 79.32M          | 85.36M           | 79.32M          | 84.88M           | 79M             |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | Inf        | 82.48M           | 78.201M         | 82.4M            | 78.201M         | 82.96M           | 78.201M         | 84.16M           | 78.521M         |
| 5570MHz                         | Pass   | Inf        | 166.32M          | 156.882M        | 166.32M          | 157.121M        | 166.56M          | 157.121M        | 167.76M          | 157.361M        |

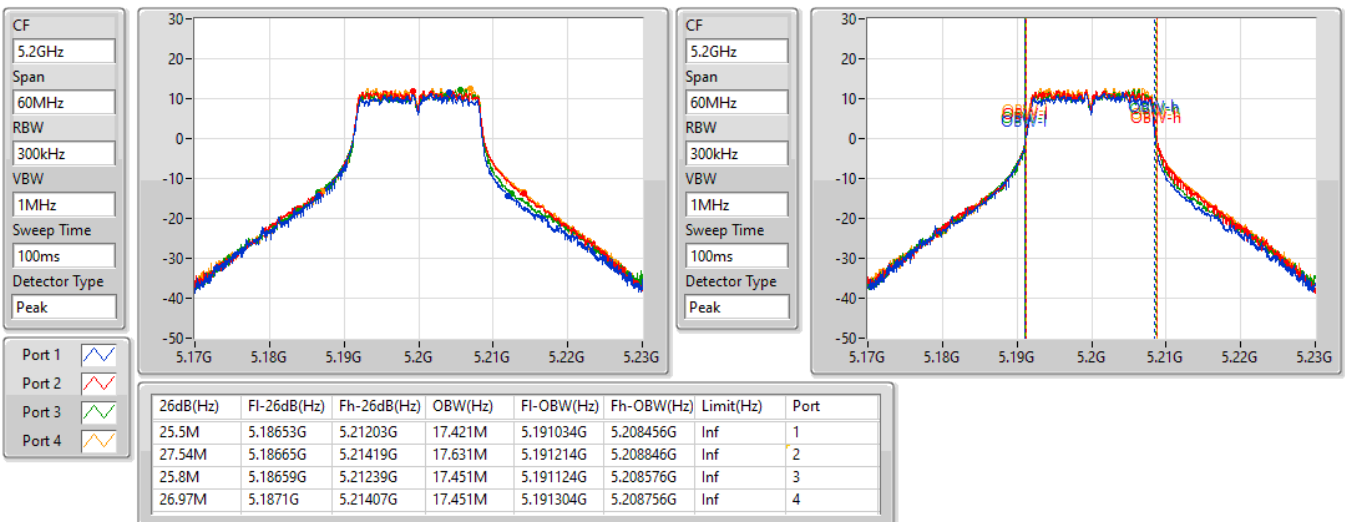
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5180MHz**

16/03/2022

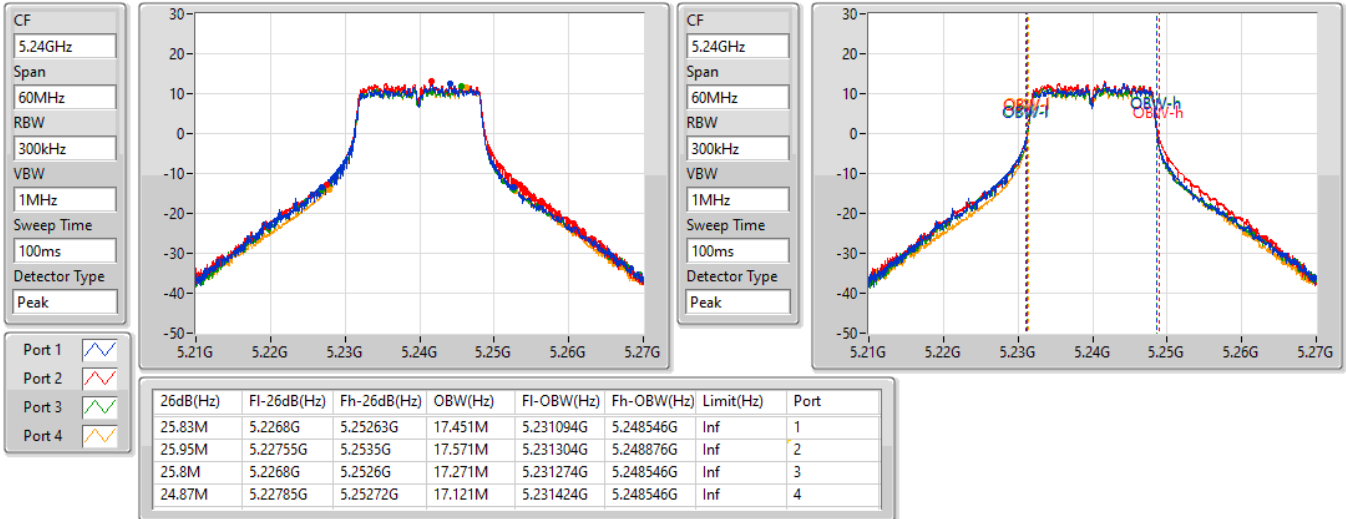

**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5200MHz**

16/03/2022

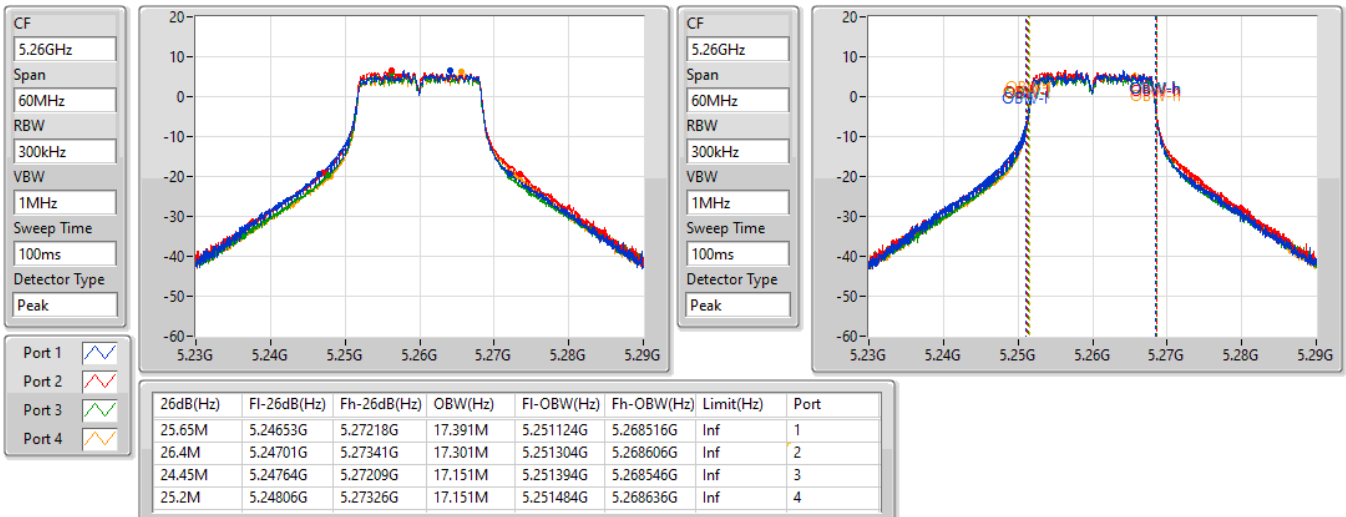


**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5240MHz**

16/03/2022

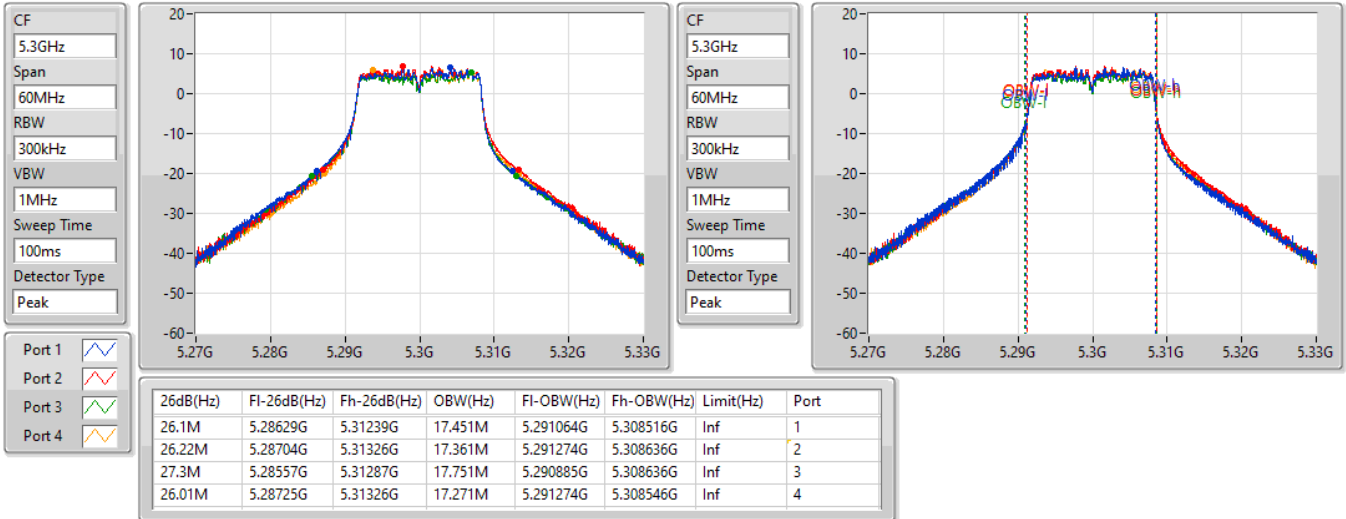

**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5260MHz**

25/02/2022

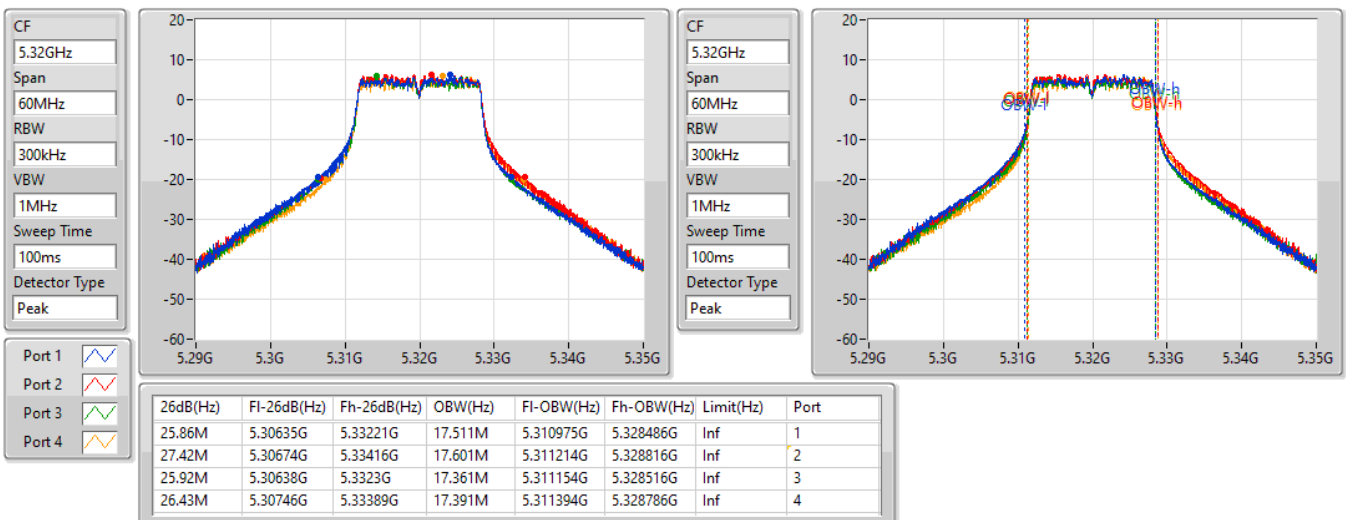


**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5300MHz**

25/02/2022

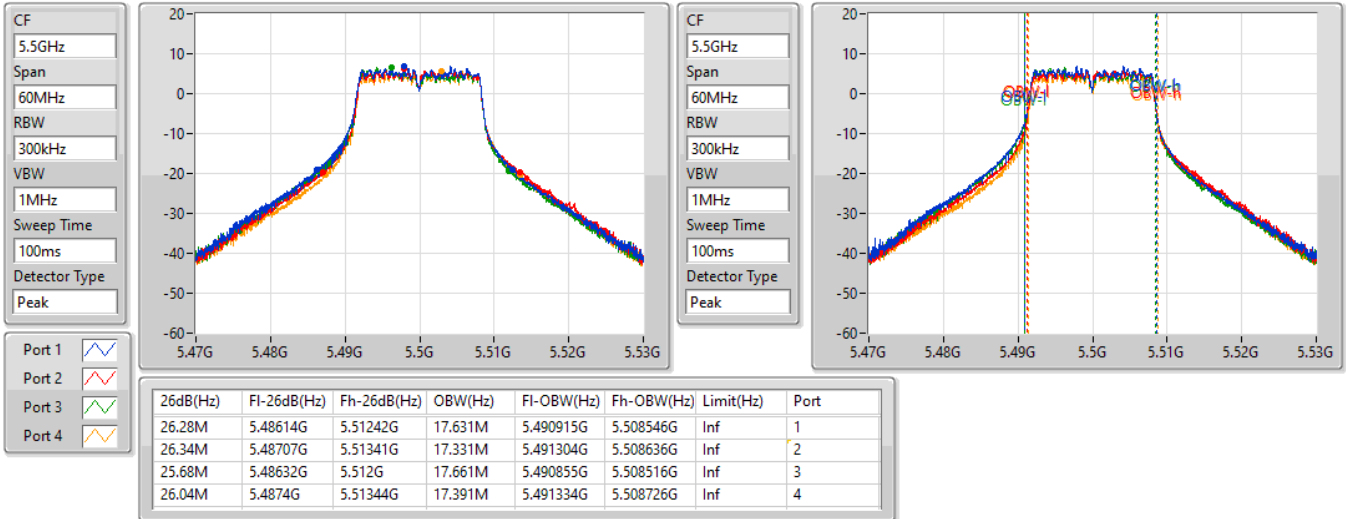

**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5320MHz**

25/02/2022

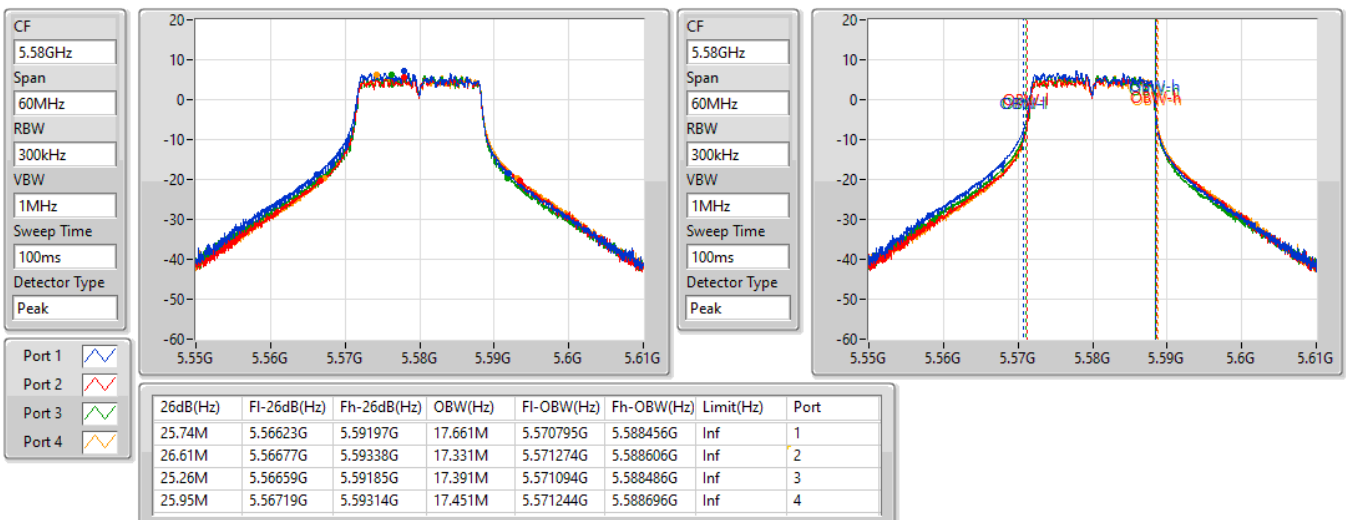


**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5500MHz**

25/02/2022

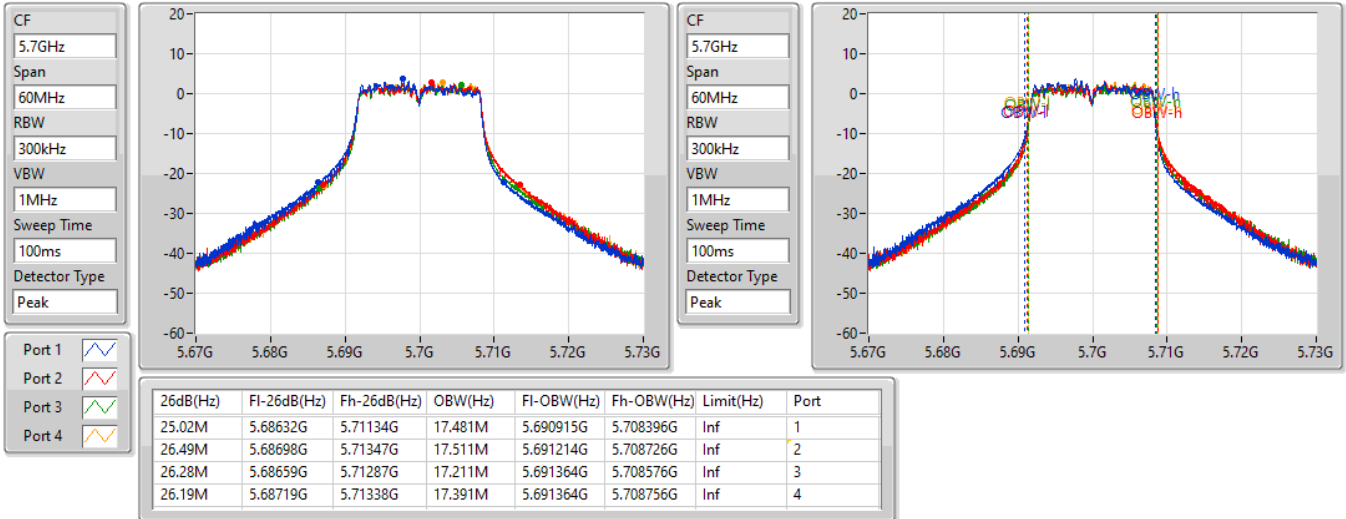

**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5580MHz**

25/02/2022

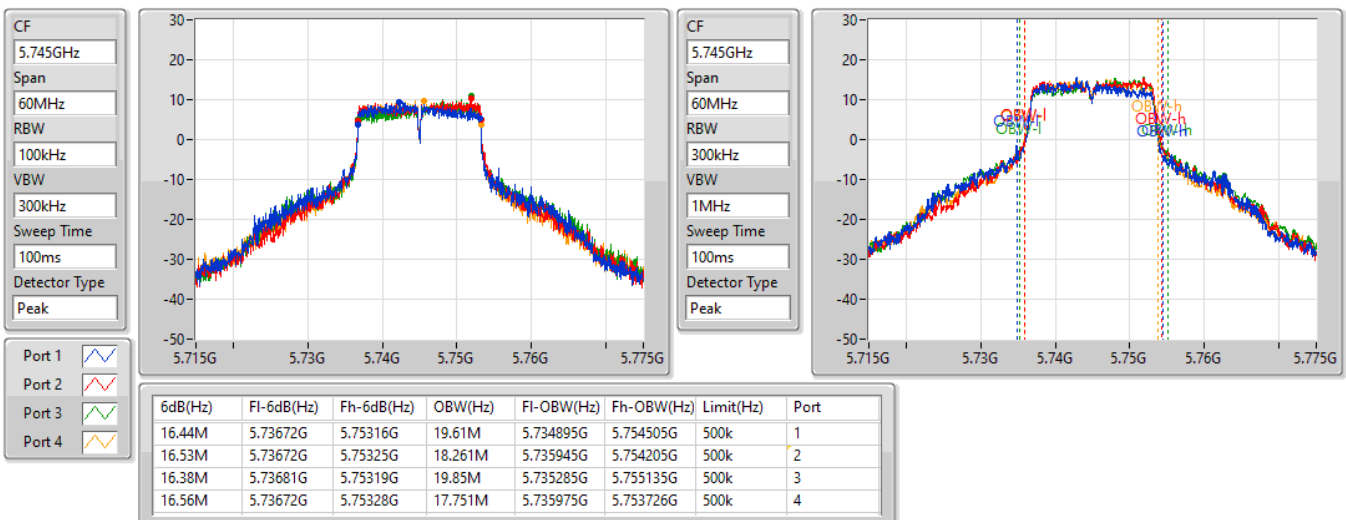


**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5700MHz**

25/02/2022

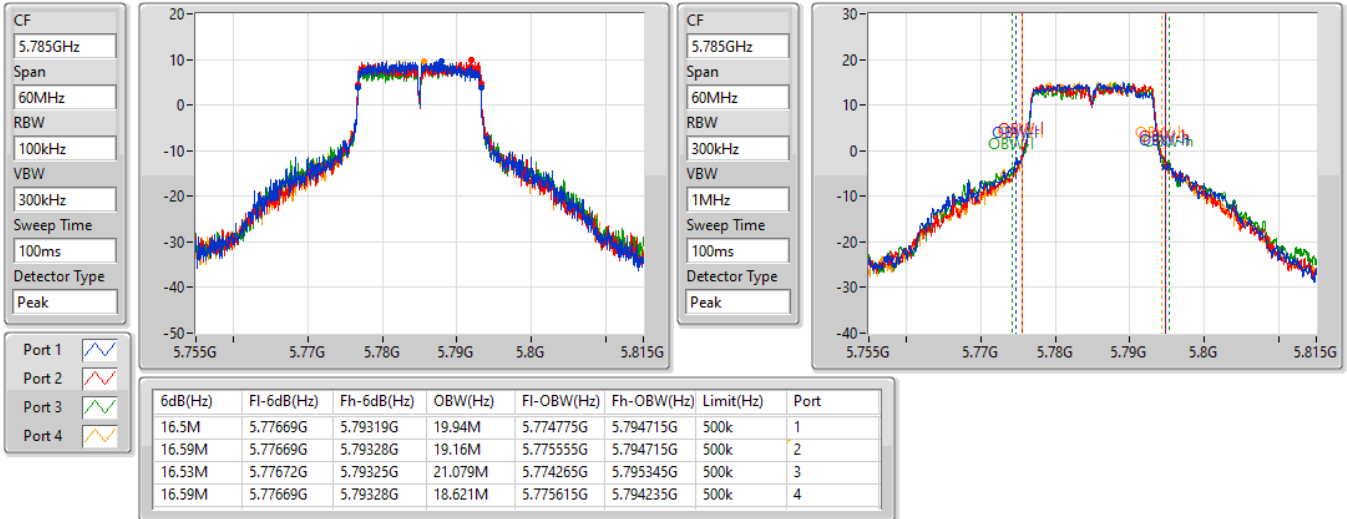

**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5745MHz**

25/02/2022

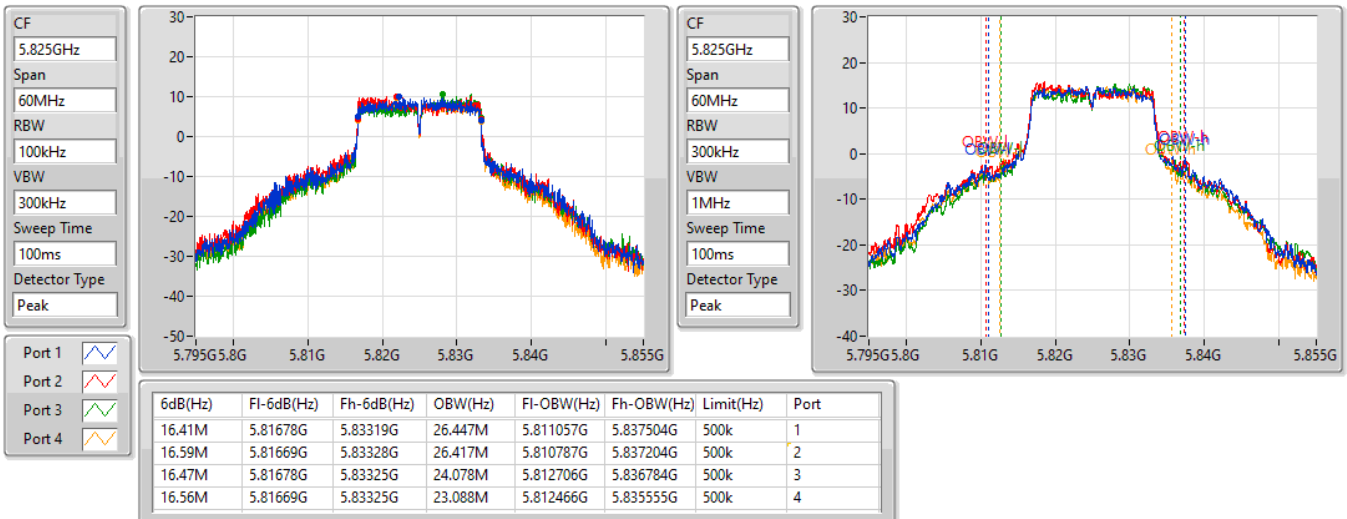


**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5785MHz**

25/02/2022

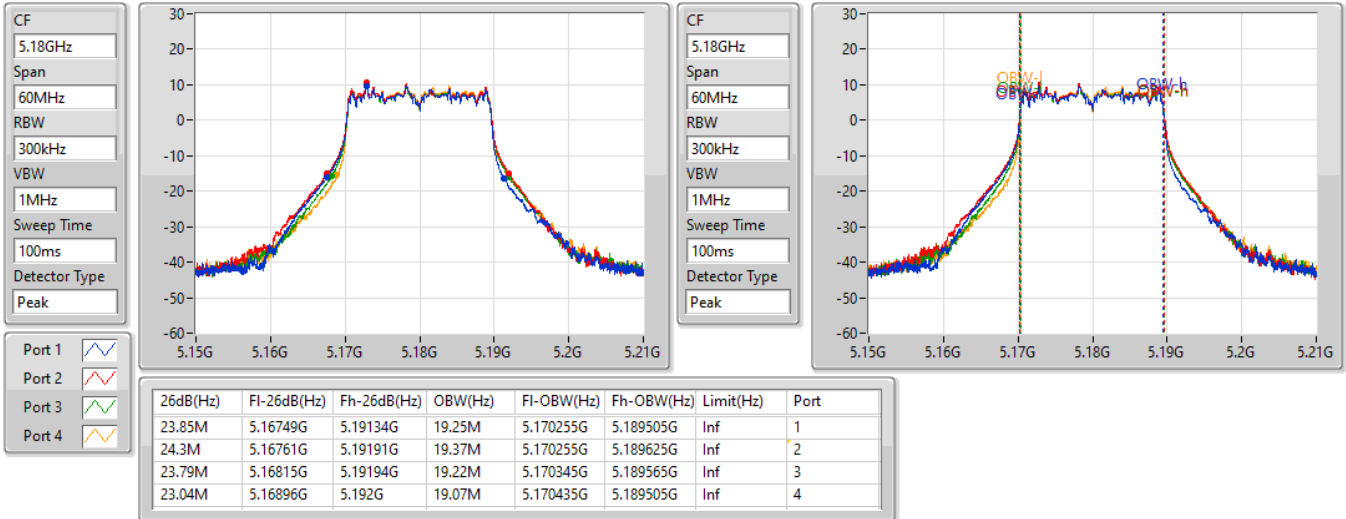

**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5825MHz**

25/02/2022

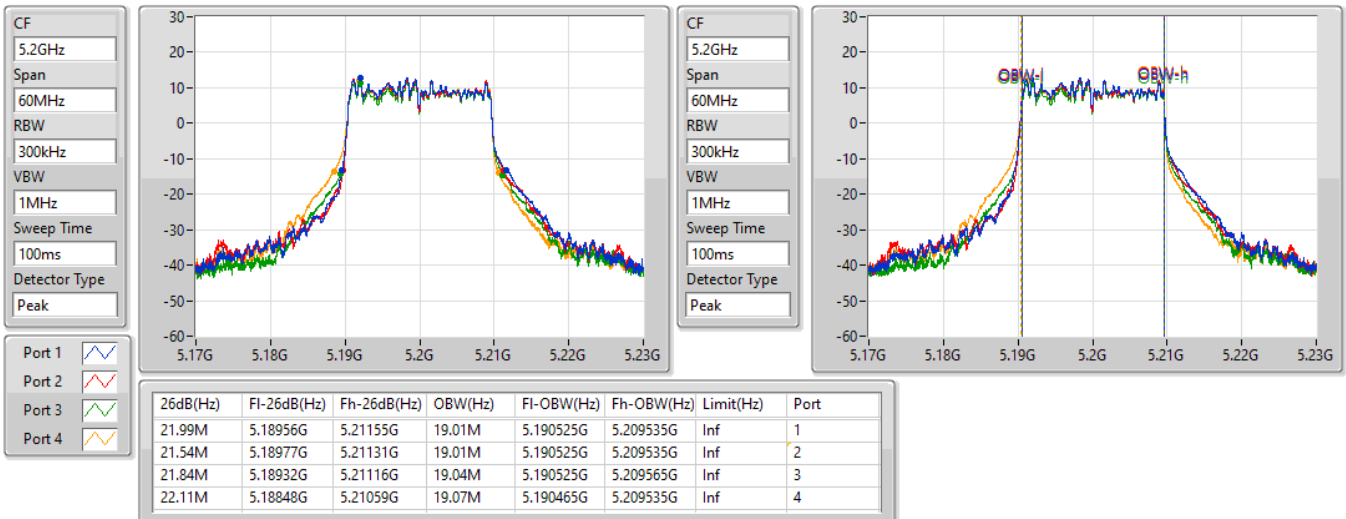


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5180MHz**

25/02/2022

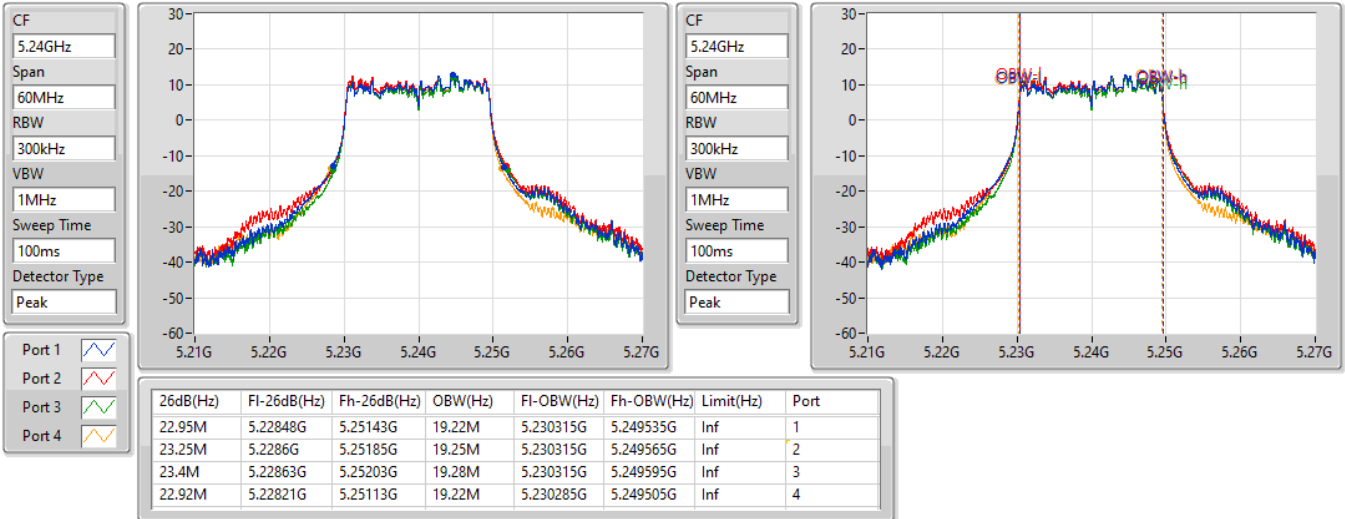

**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5200MHz**

25/02/2022

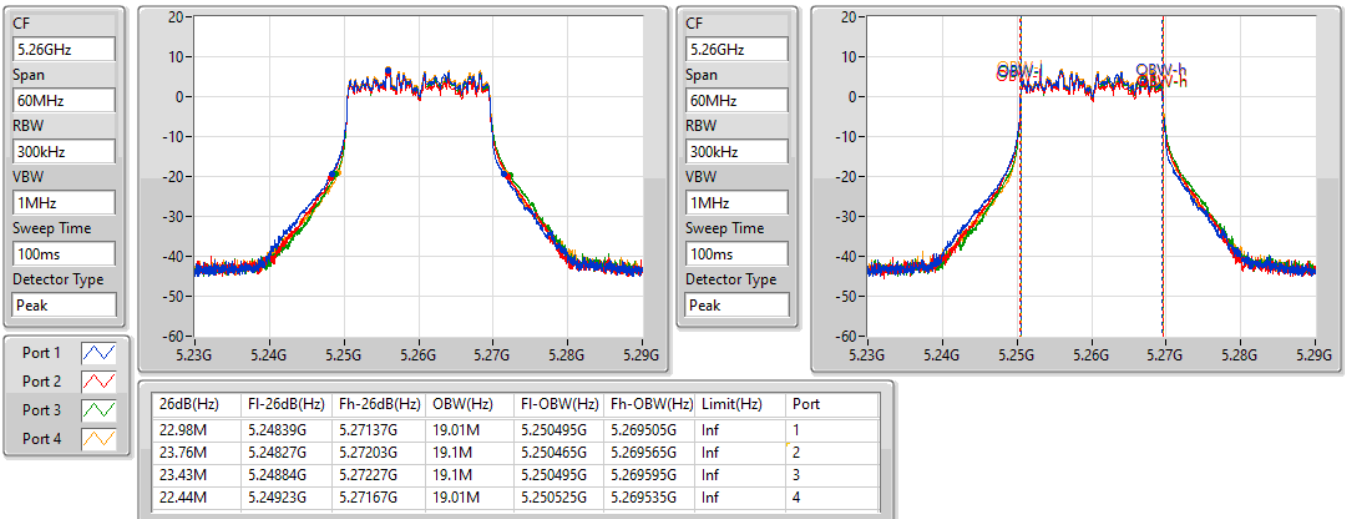


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5240MHz**

25/02/2022

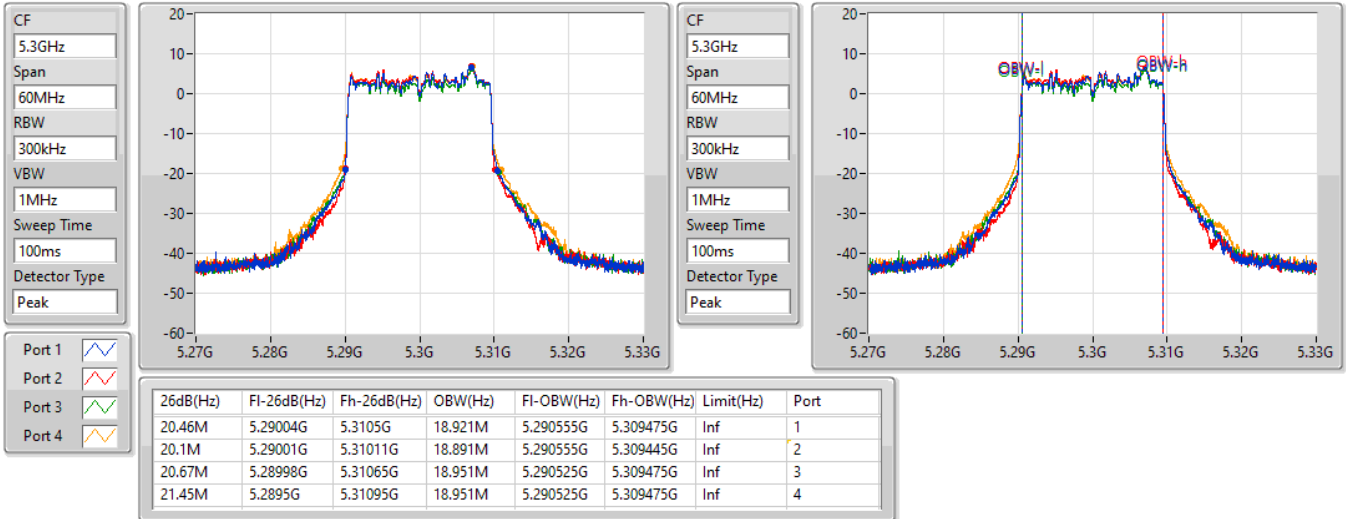

**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5260MHz**

25/02/2022

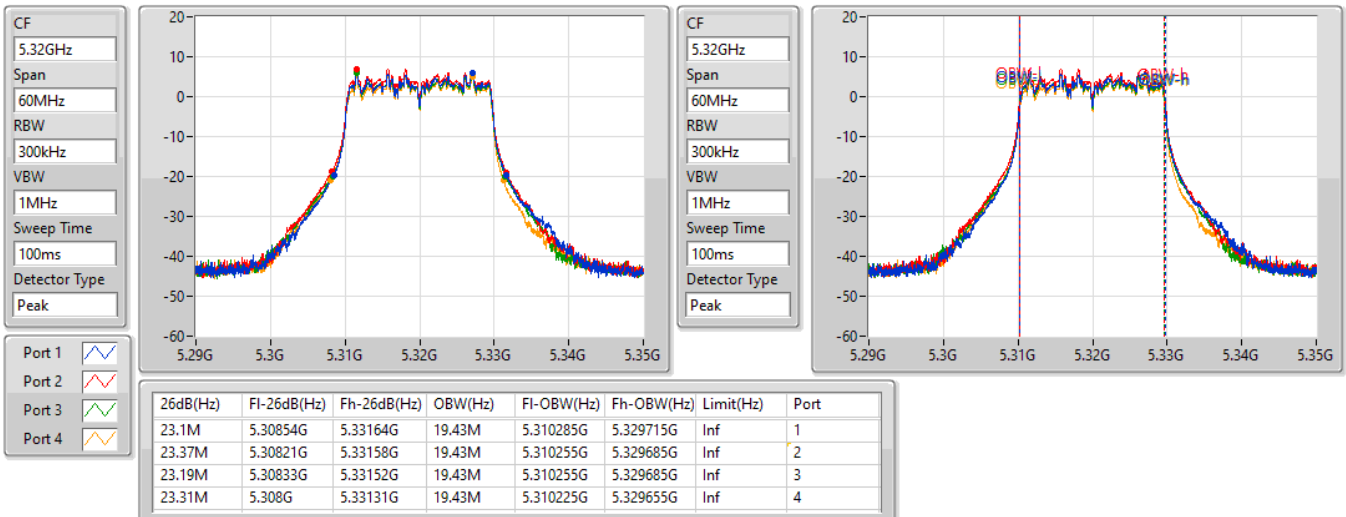


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5300MHz**

25/02/2022

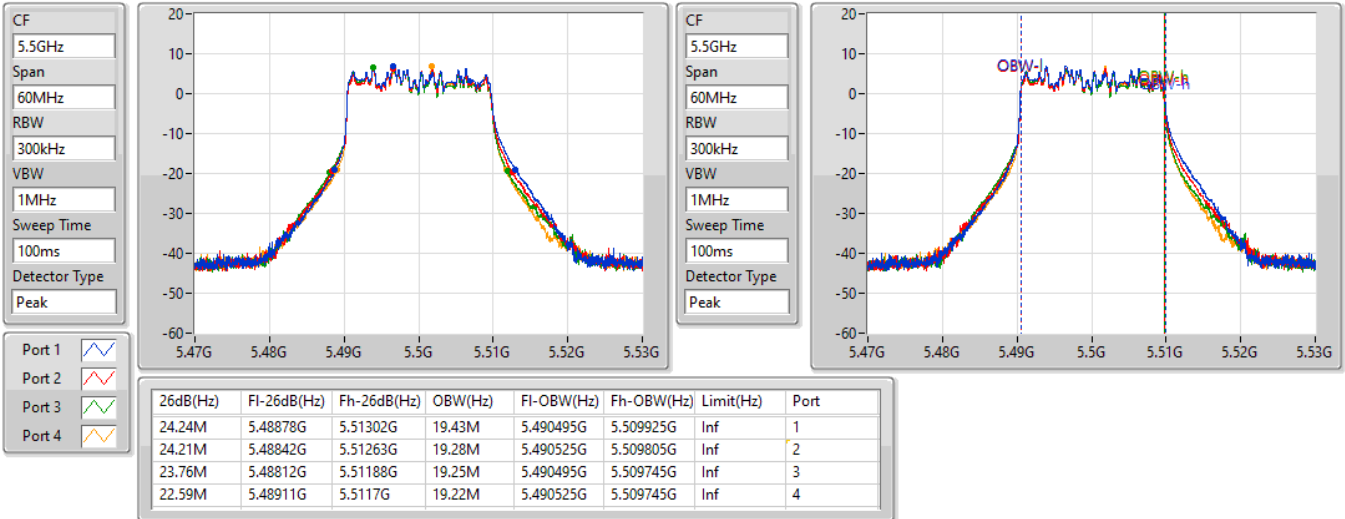

**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5320MHz**

25/02/2022

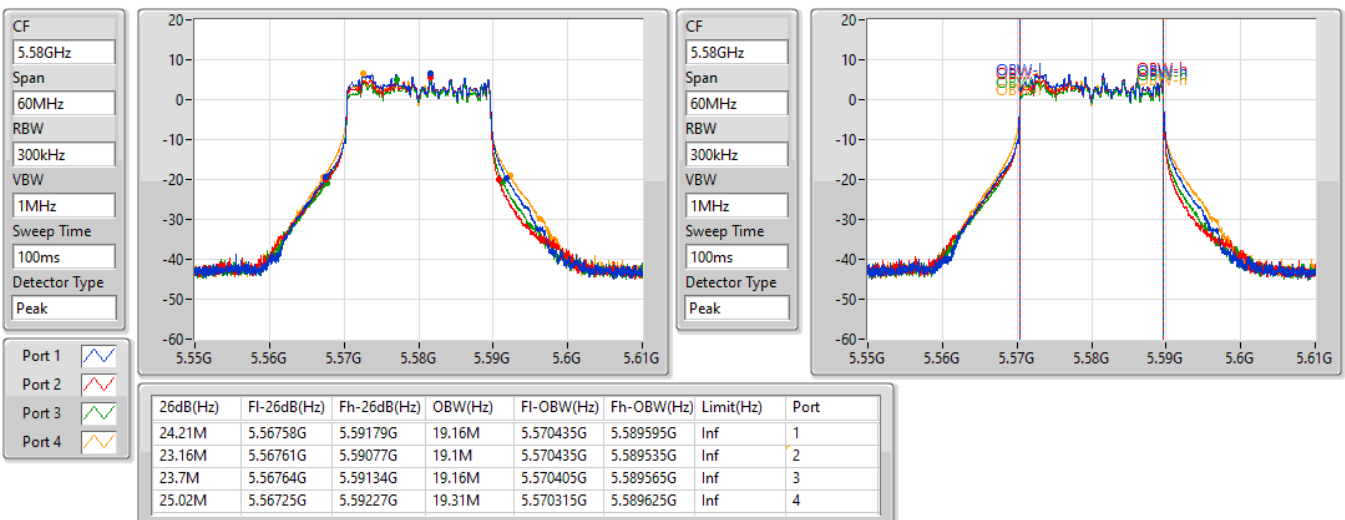


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5500MHz**

25/02/2022

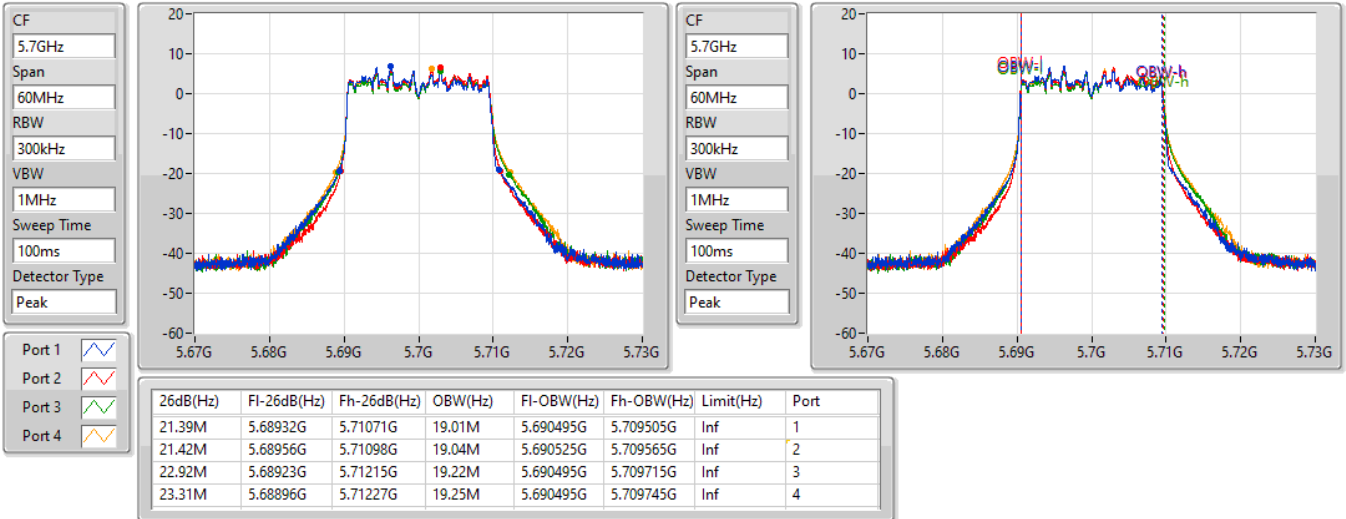

**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5580MHz**

25/02/2022

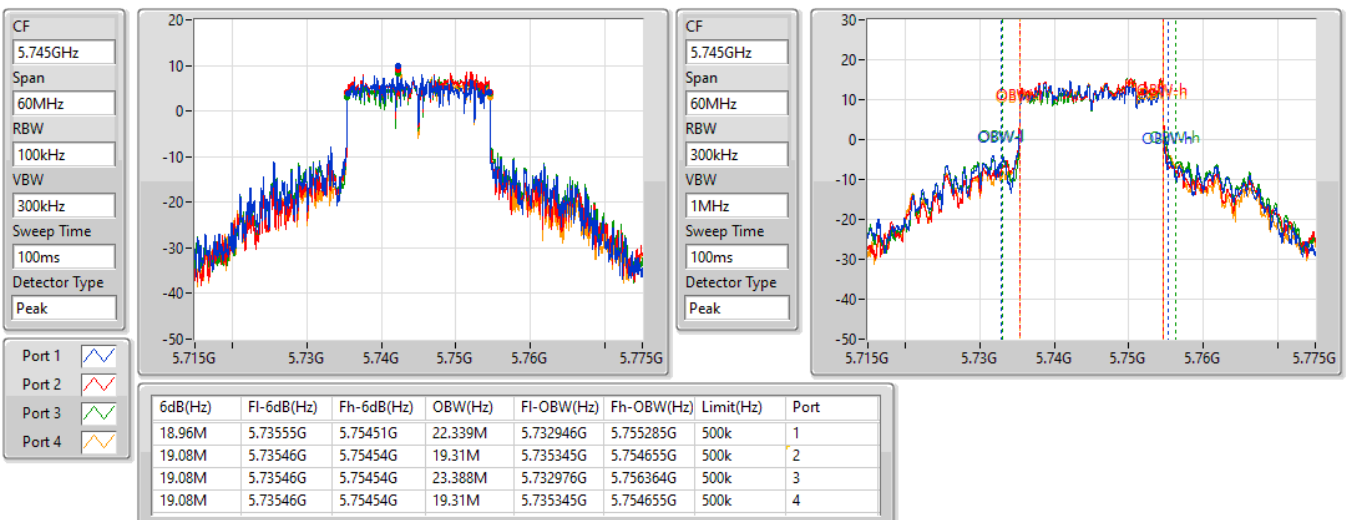


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5700MHz**

25/02/2022

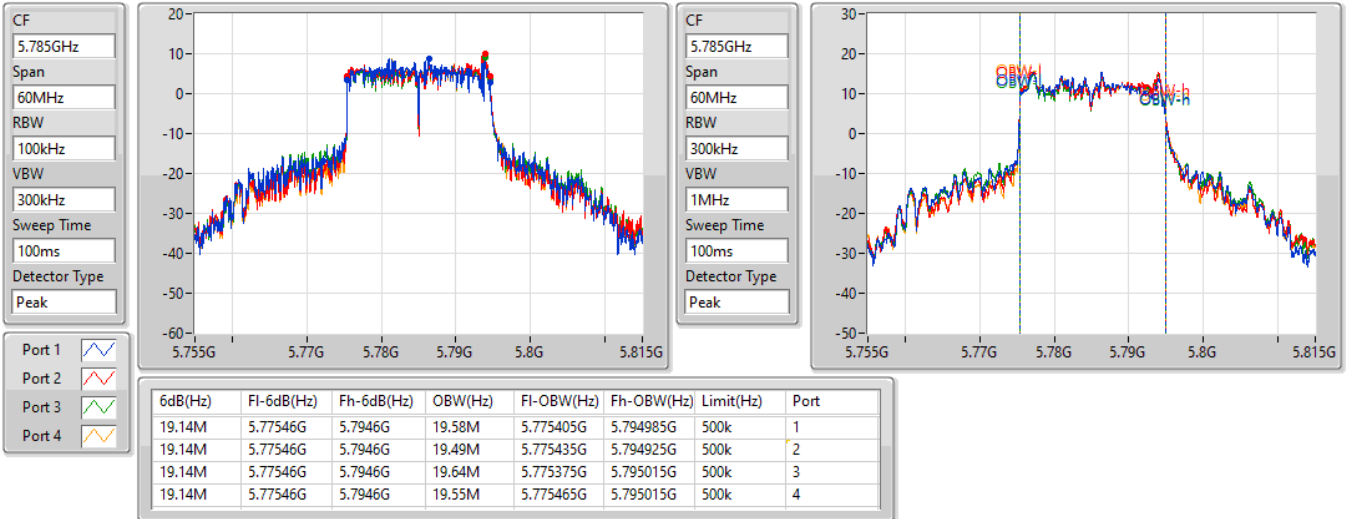

**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5745MHz**

25/02/2022

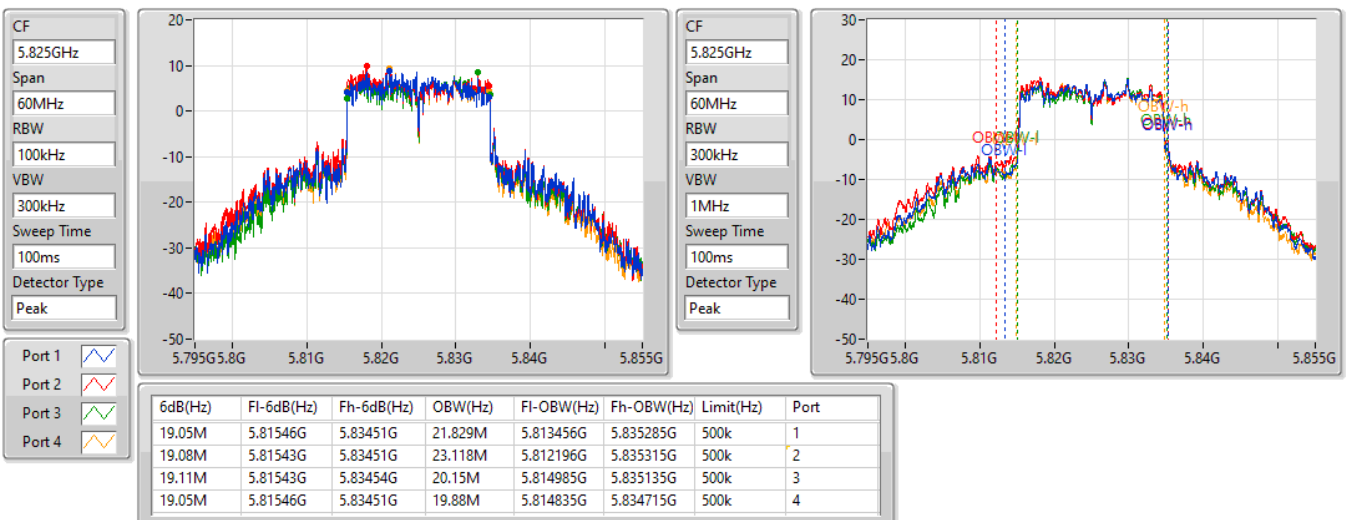


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5785MHz**

25/02/2022

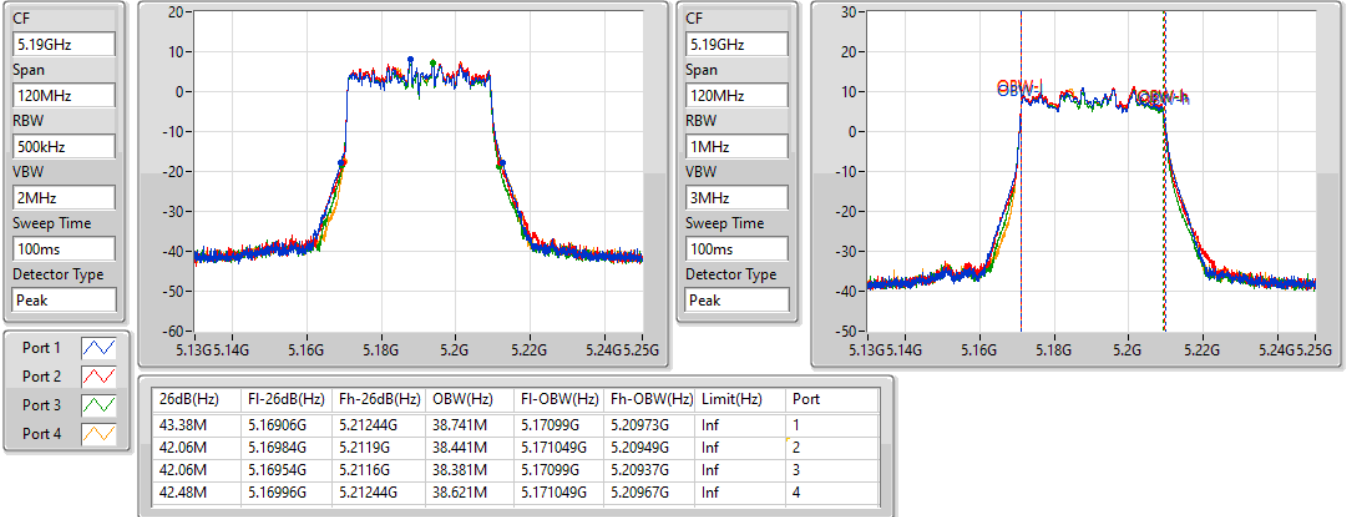

**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5825MHz**

25/02/2022

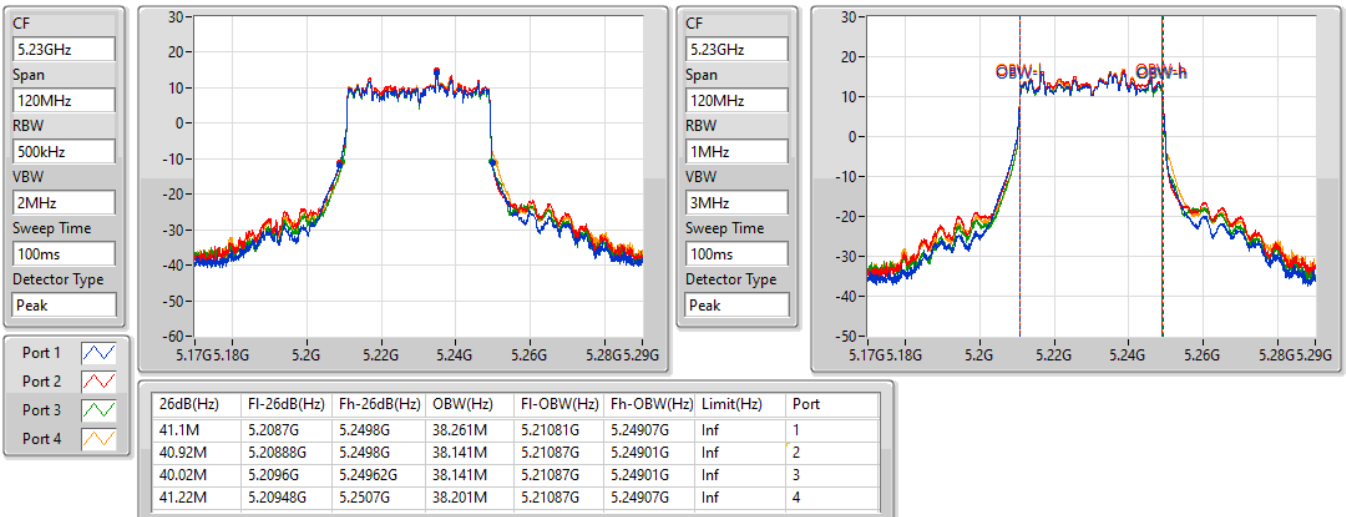


**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**5190MHz**

25/02/2022

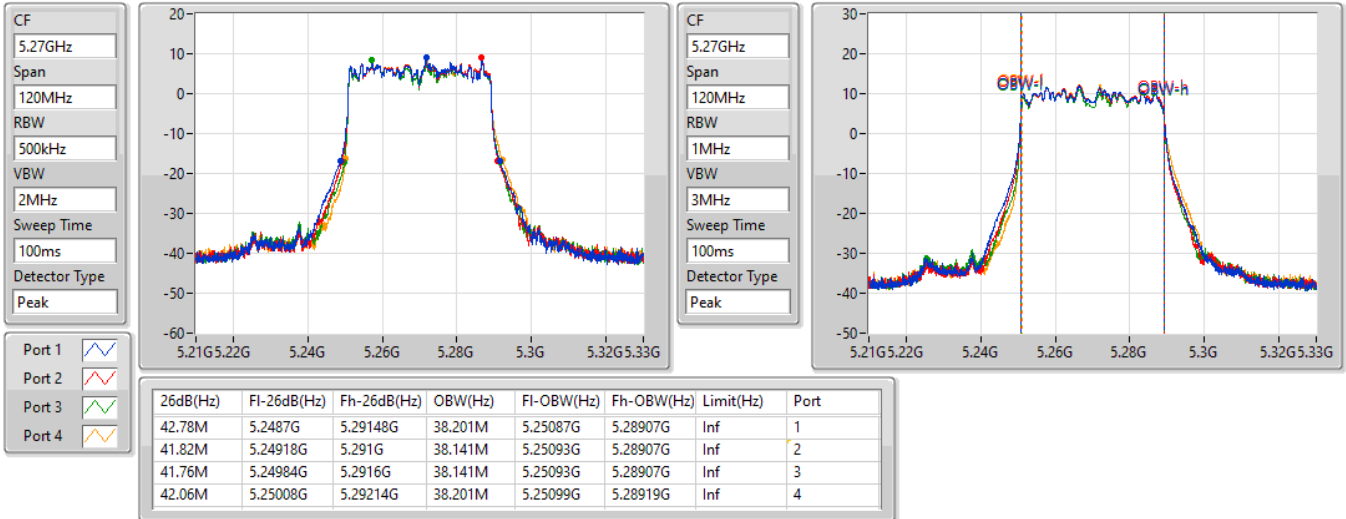

**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**5230MHz**

25/02/2022

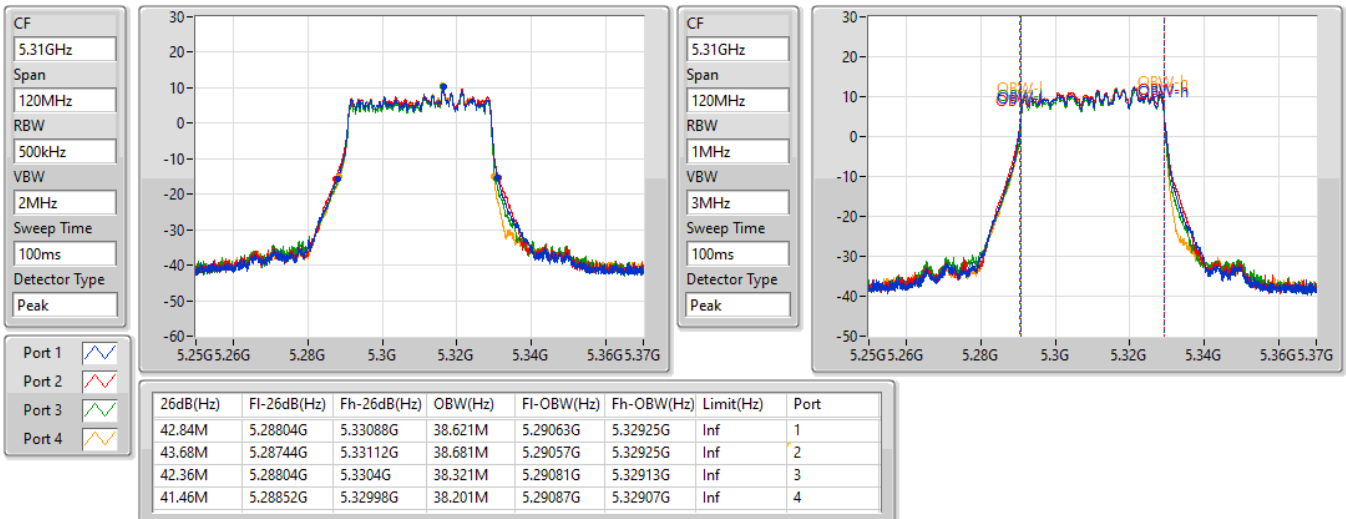


**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**5270MHz**

25/02/2022


**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**5310MHz**

25/02/2022

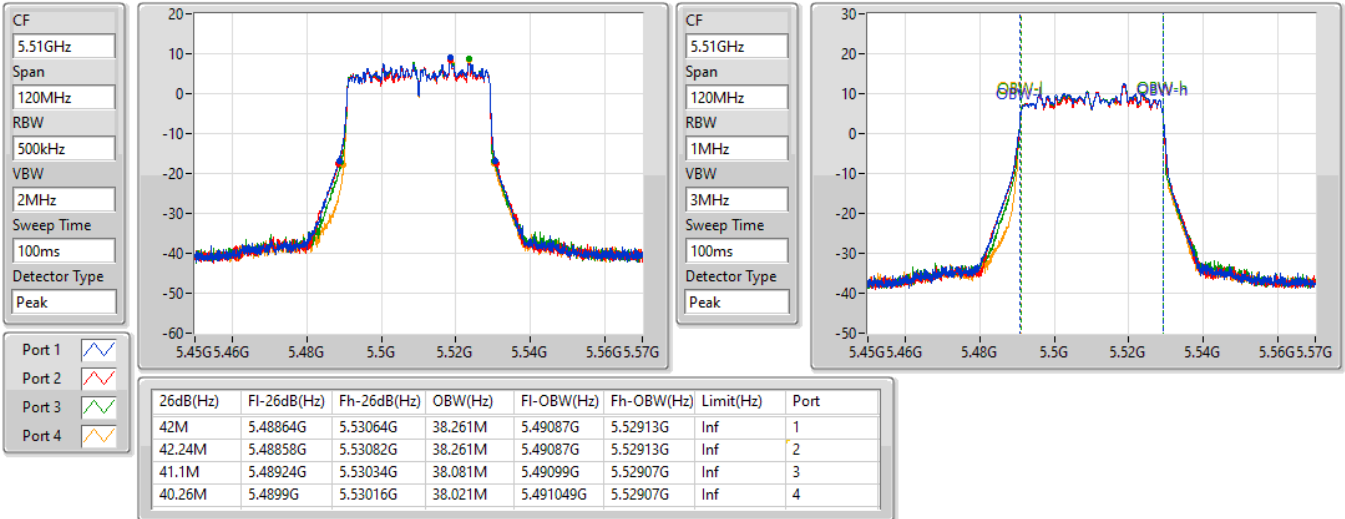


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

5510MHz

25/02/2022

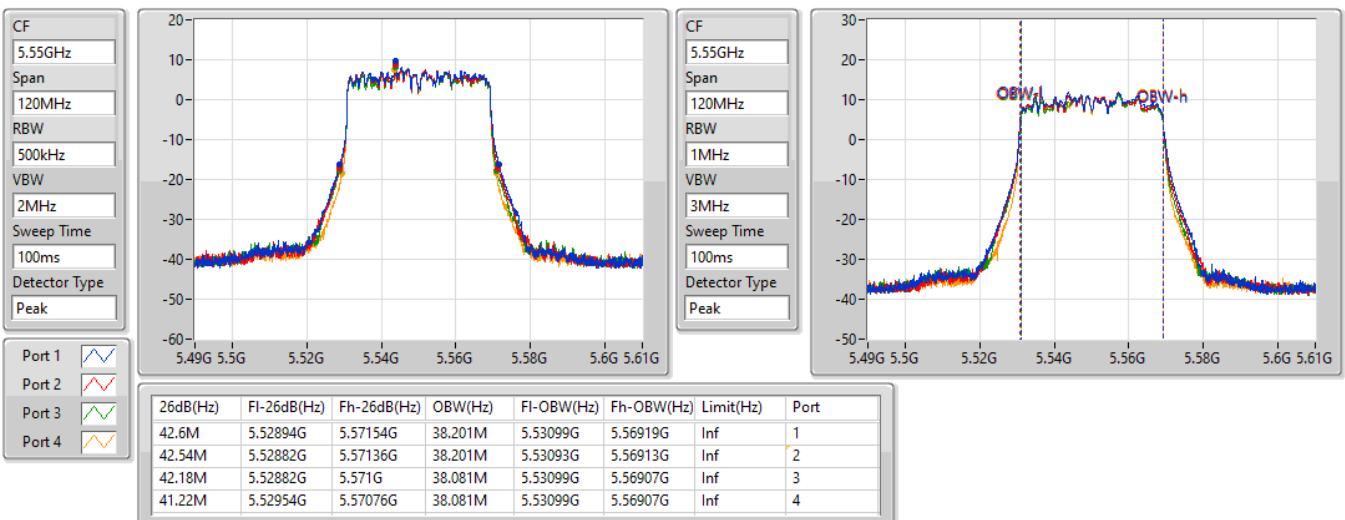


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

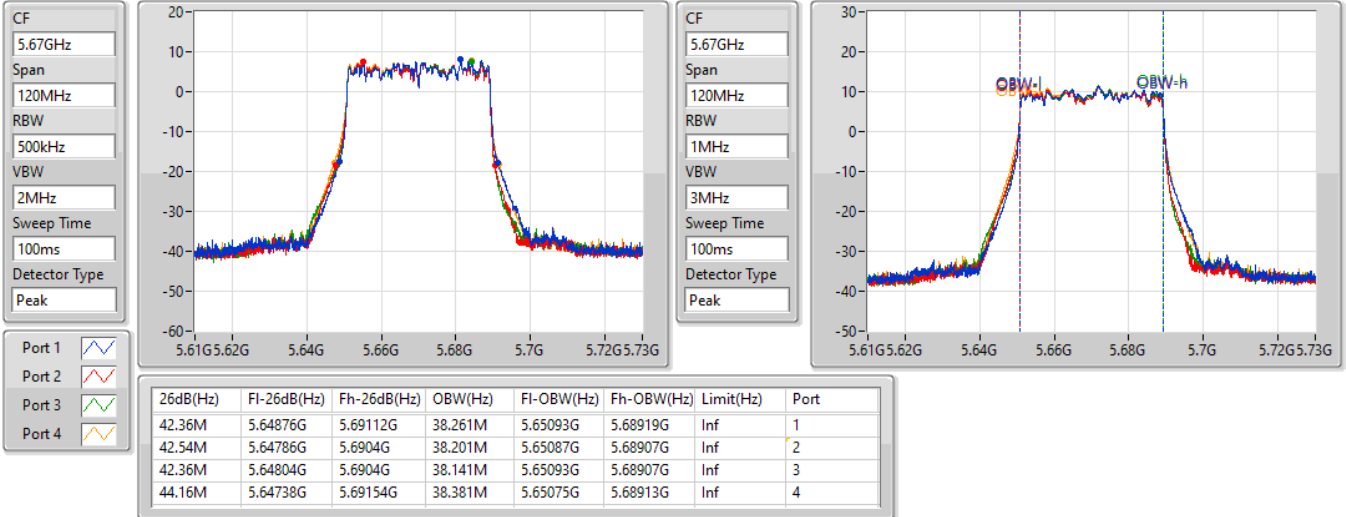
5550MHz

25/02/2022

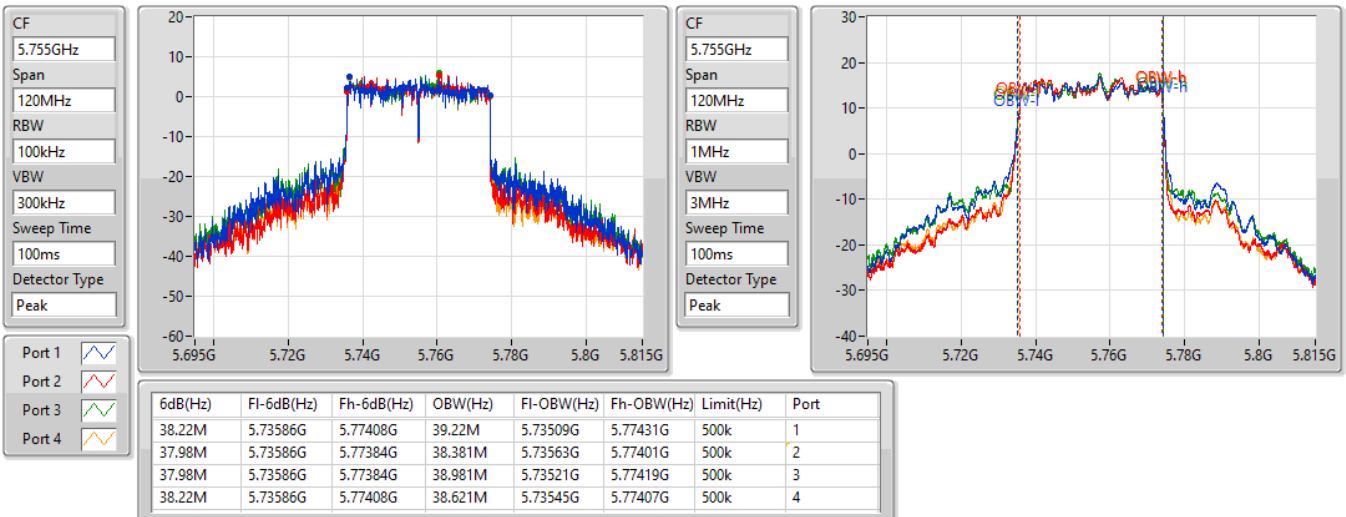


**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**5670MHz**

25/02/2022

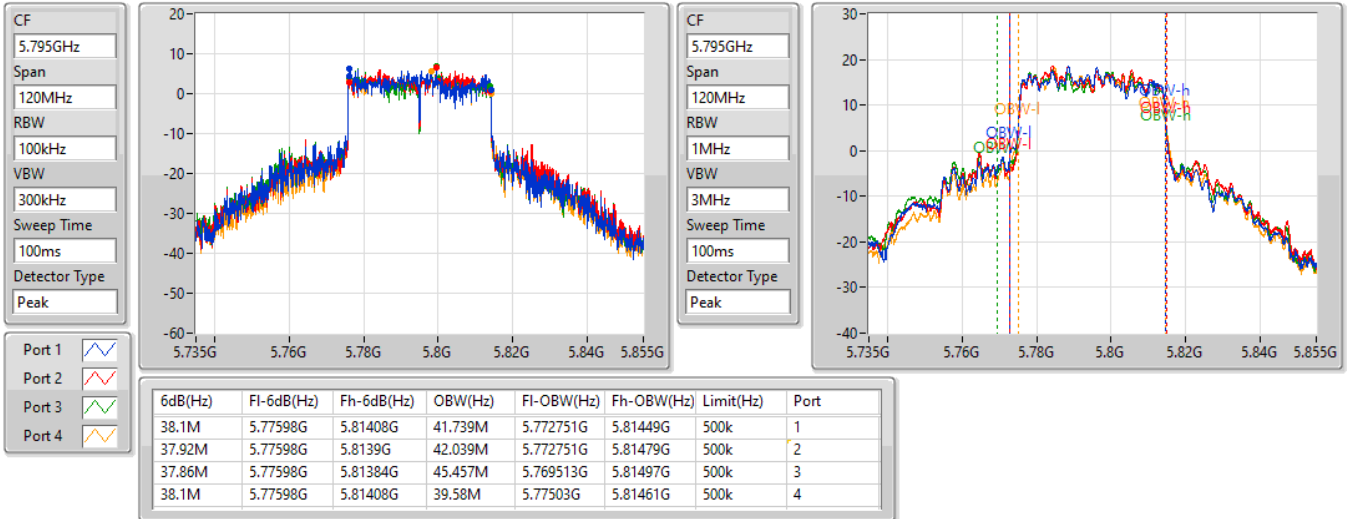

**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**5755MHz**

25/02/2022

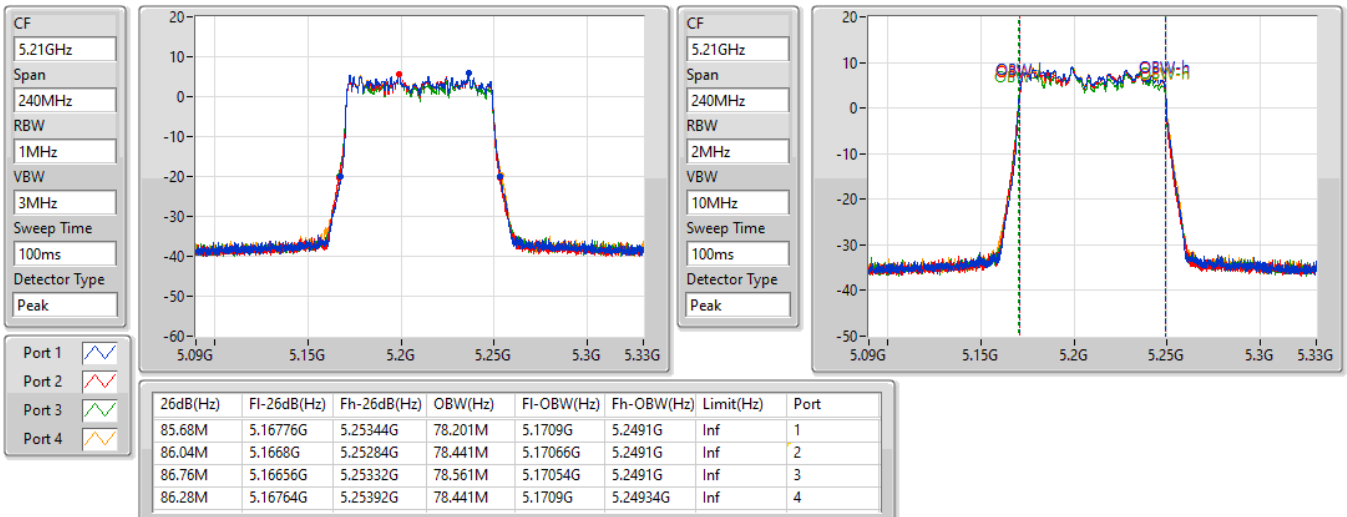


**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**5795MHz**

25/02/2022

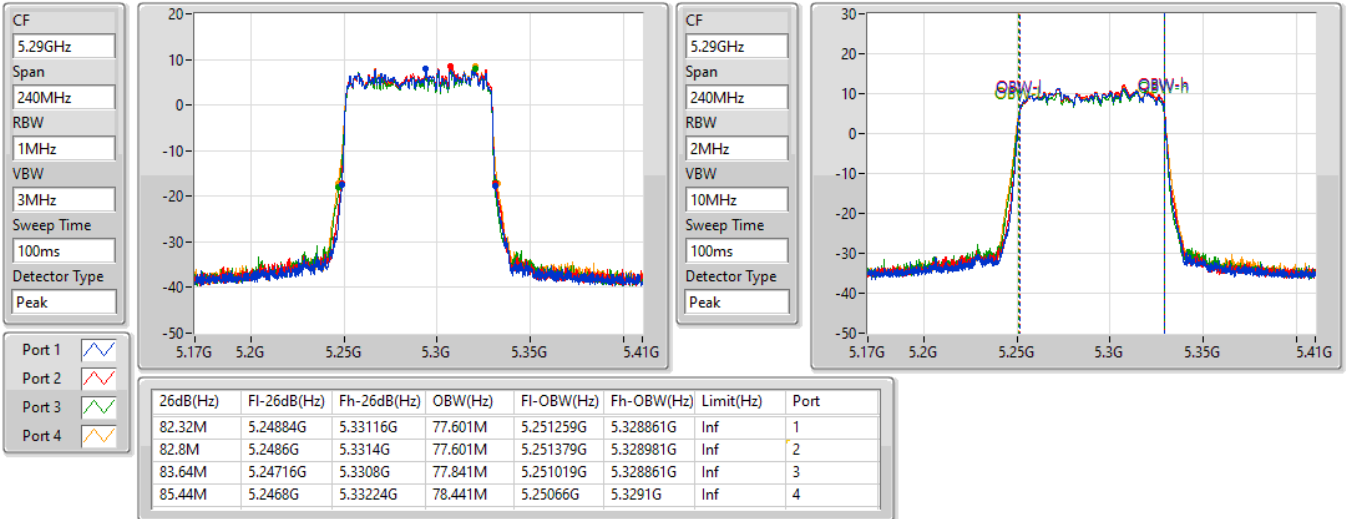

**802.11ax HEW80\_Nss1,(MCS0)\_4TX**
**EBW**
**5210MHz**

25/02/2022

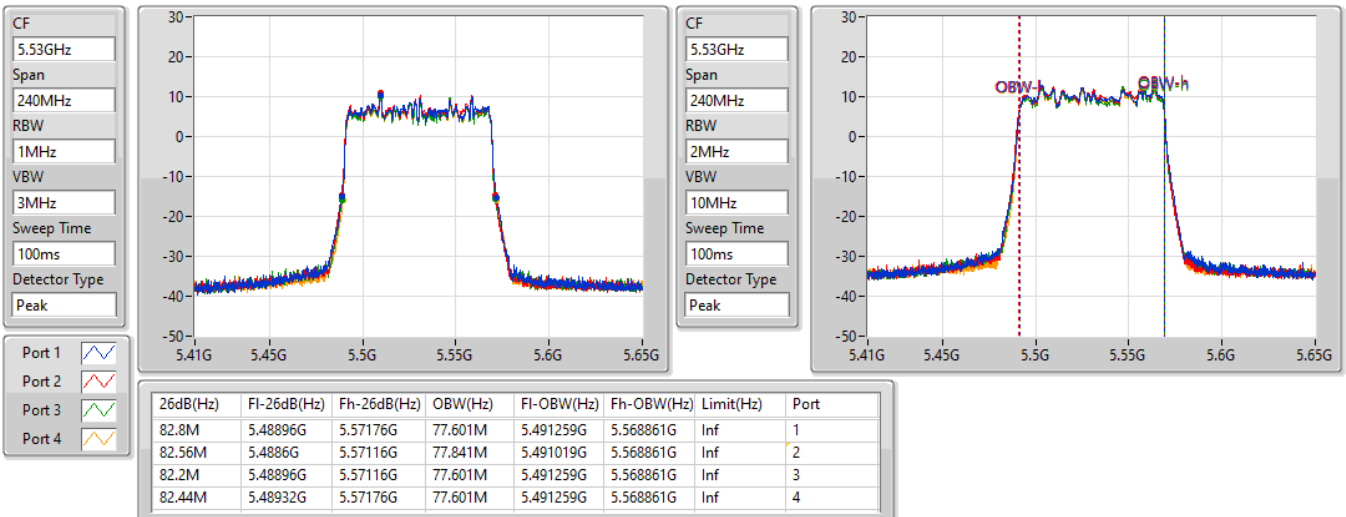


**802.11ax HEW80\_Nss1,(MCS0)\_4TX**
**EBW**
**5290MHz**

25/02/2022

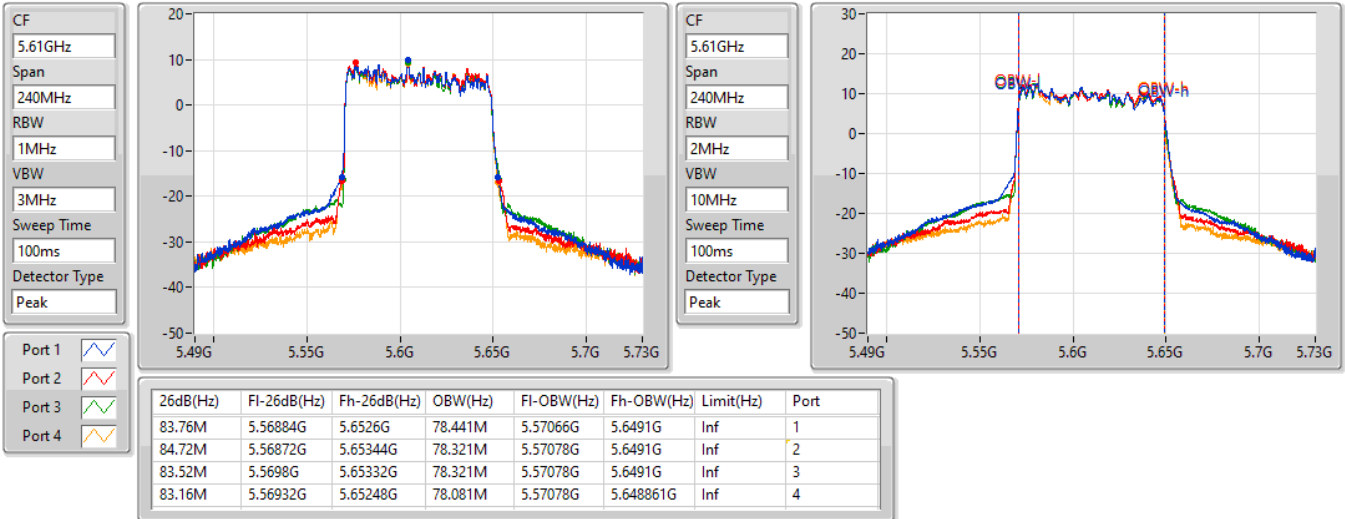

**802.11ax HEW80\_Nss1,(MCS0)\_4TX**
**EBW**
**5530MHz**

25/02/2022

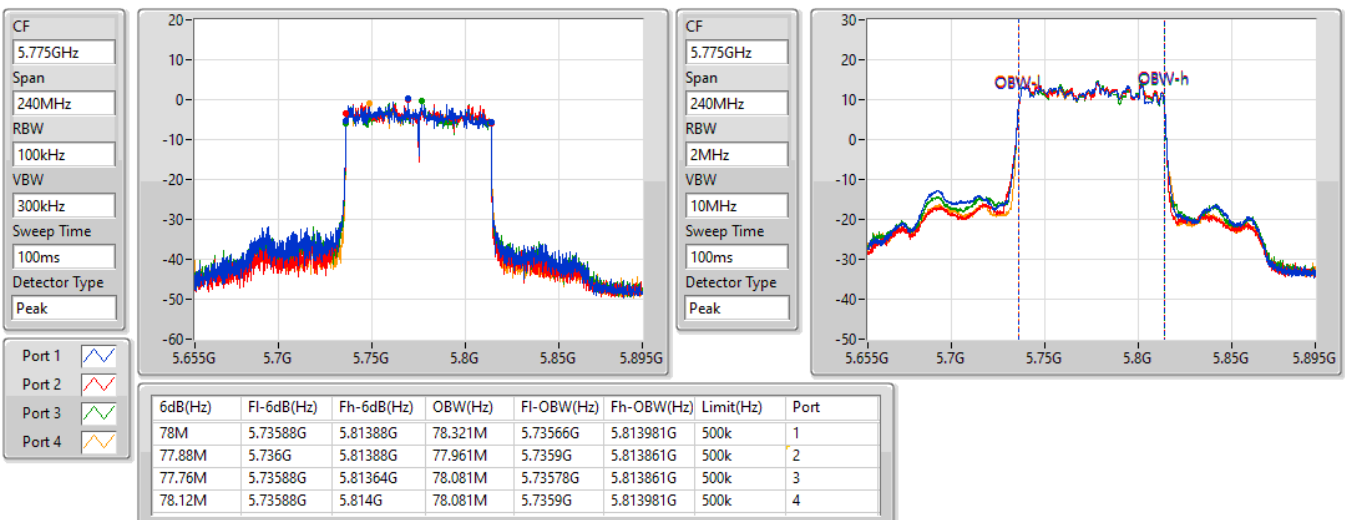


**802.11ax HEW80\_Nss1,(MCS0)\_4TX**
**EBW**
**5610MHz**

26/02/2022

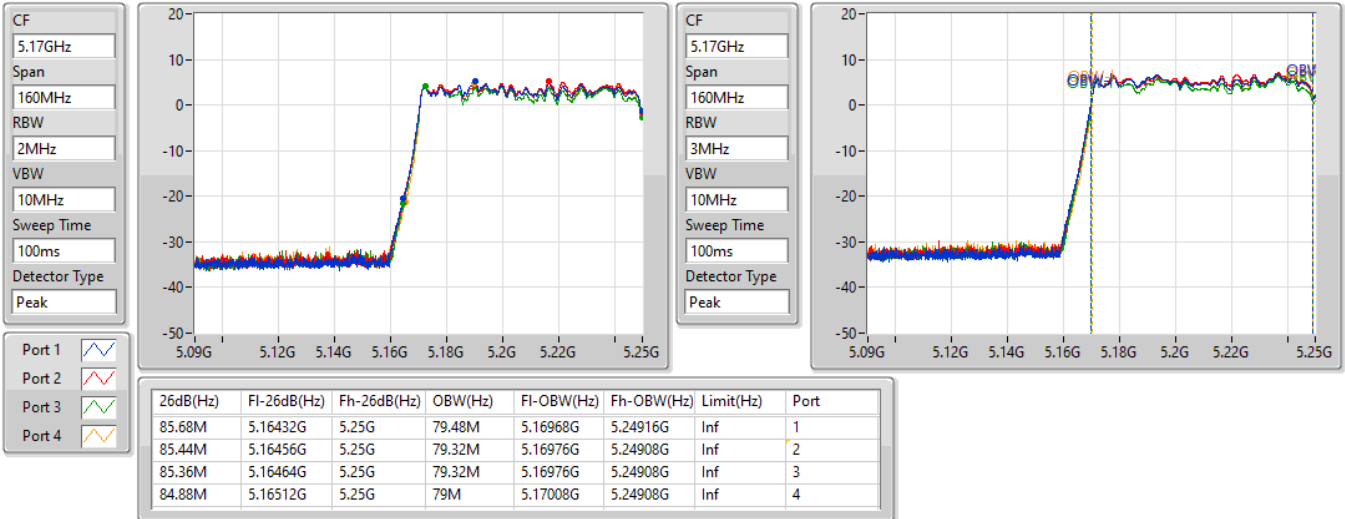

**802.11ax HEW80\_Nss1,(MCS0)\_4TX**
**EBW**
**5775MHz**

26/02/2022

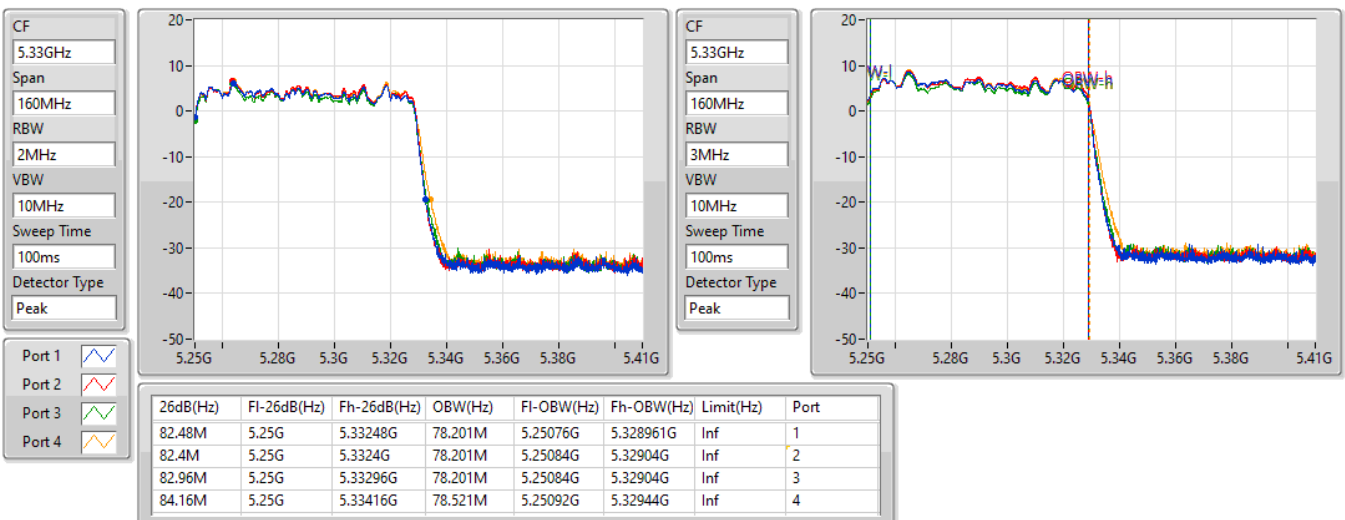


**802.11ax HEW160\_Nss1,(MCS0)\_4TX**
**EBW**
**5250MHz Straddle 5.15-5.25GHz**

26/02/2022


**802.11ax HEW160\_Nss1,(MCS0)\_4TX**
**EBW**
**5250MHz Straddle 5.25-5.35GHz**

26/02/2022

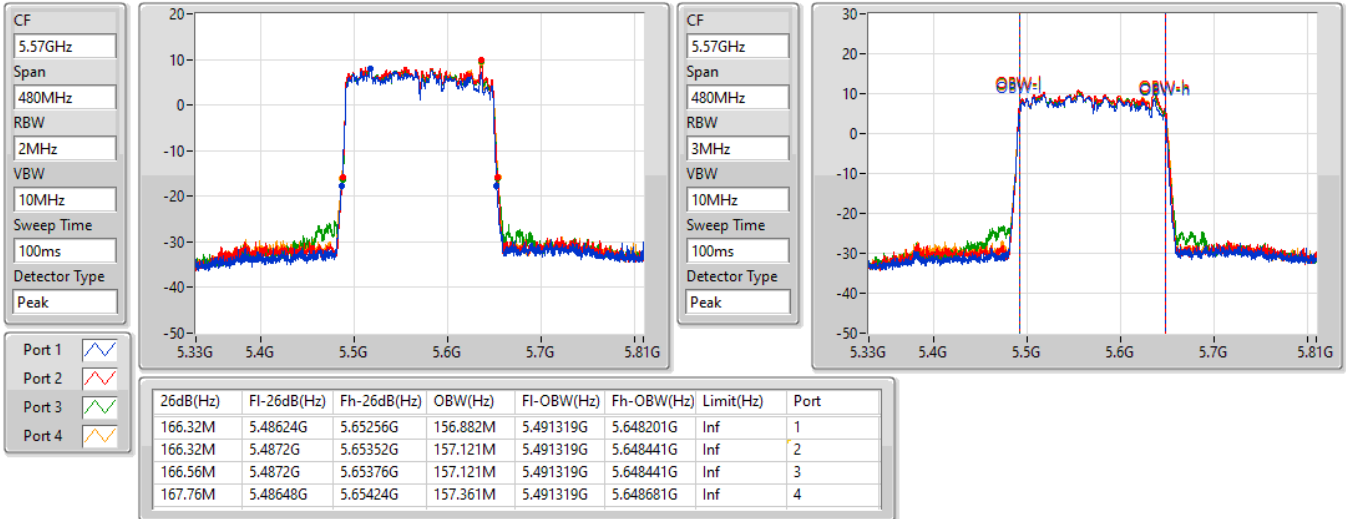


## 802.11ax HEW160\_Nss1,(MCS0)\_4TX

EBW

5570MHz

26/02/2022



**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                       | -                | -               | -        | -                | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 40.53M           | 19.37M          | 19M4D1D  | 25.44M           | 19.22M          |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 48.54M           | 39.04M          | 39M0D1D  | 43.5M            | 38.561M         |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 85.32M           | 78.921M         | 78M9D1D  | 83.76M           | 78.441M         |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 87.36M           | 79.48M          | 79M5D1D  | 81.92M           | 78.361M         |
| 5.25-5.35GHz                       | -                | -               | -        | -                | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 26.91M           | 19.28M          | 19M3D1D  | 23.22M           | 19.13M          |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 46.56M           | 38.621M         | 38M6D1D  | 42.78M           | 38.441M         |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 90.24M           | 78.321M         | 78M3D1D  | 83.16M           | 78.081M         |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 86.08M           | 78.841M         | 78M8D1D  | 84.56M           | 78.761M         |
| 5.47-5.725GHz                      | -                | -               | -        | -                | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 27.9M            | 19.25M          | 19M2D1D  | 23.76M           | 19.16M          |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 48.3M            | 38.681M         | 38M7D1D  | 43.08M           | 38.381M         |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 87.48M           | 78.681M         | 78M7D1D  | 81.72M           | 77.961M         |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 174M             | 157.361M        | 157MD1D  | 161.76M          | 156.162M        |
| 5.725-5.85GHz                      | -                | -               | -        | -                | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 17.1M            | 28.036M         | 28M0D1D  | 13.5M            | 19.46M          |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 35.46M           | 40.48M          | 40M5D1D  | 32.58M           | 39.4M           |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 75.84M           | 83.958M         | 84M0D1D  | 31.68M           | 77.961M         |

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

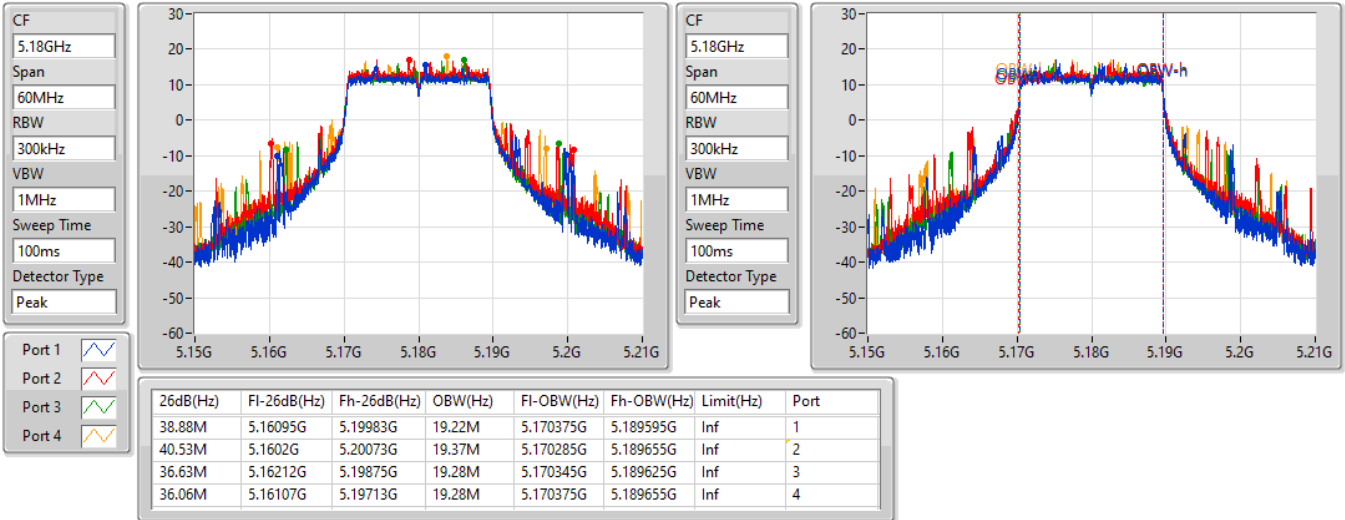
**Result**

| Mode                               | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|------------------------------------|--------|------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 5180MHz                            | Pass   | Inf        | 38.88M           | 19.22M          | 40.53M           | 19.37M          | 36.63M           | 19.28M          | 36.06M           | 19.28M          |
| 5200MHz                            | Pass   | Inf        | 26.13M           | 19.28M          | 27.24M           | 19.25M          | 26.91M           | 19.34M          | 25.44M           | 19.31M          |
| 5240MHz                            | Pass   | Inf        | 37.23M           | 19.34M          | 34.62M           | 19.28M          | 37.59M           | 19.34M          | 30.39M           | 19.28M          |
| 5260MHz                            | Pass   | Inf        | 26.91M           | 19.28M          | 24.6M            | 19.25M          | 25.71M           | 19.25M          | 23.22M           | 19.25M          |
| 5300MHz                            | Pass   | Inf        | 26.46M           | 19.25M          | 25.77M           | 19.19M          | 23.49M           | 19.25M          | 23.4M            | 19.13M          |
| 5320MHz                            | Pass   | Inf        | 26.31M           | 19.22M          | 23.88M           | 19.25M          | 24.9M            | 19.19M          | 24.36M           | 19.25M          |
| 5500MHz                            | Pass   | Inf        | 27.9M            | 19.16M          | 27.33M           | 19.16M          | 25.74M           | 19.22M          | 25.74M           | 19.19M          |
| 5580MHz                            | Pass   | Inf        | 24.72M           | 19.25M          | 24.48M           | 19.22M          | 26.34M           | 19.22M          | 23.97M           | 19.22M          |
| 5700MHz                            | Pass   | Inf        | 23.76M           | 19.22M          | 24.66M           | 19.16M          | 24.24M           | 19.22M          | 25.41M           | 19.25M          |
| 5745MHz                            | Pass   | 500k       | 14.94M           | 21.349M         | 15.27M           | 19.46M          | 16.98M           | 21.859M         | 16.65M           | 19.58M          |
| 5785MHz                            | Pass   | 500k       | 16.59M           | 20.15M          | 17.1M            | 19.82M          | 13.5M            | 21.529M         | 13.71M           | 19.73M          |
| 5825MHz                            | Pass   | 500k       | 15.57M           | 28.036M         | 14.73M           | 26.057M         | 15.48M           | 26.237M         | 15.03M           | 26.507M         |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 5190MHz                            | Pass   | Inf        | 45.9M            | 38.681M         | 47.7M            | 38.561M         | 45.24M           | 38.681M         | 45.84M           | 38.621M         |
| 5230MHz                            | Pass   | Inf        | 45.72M           | 39.04M          | 47.64M           | 38.921M         | 48.54M           | 38.801M         | 43.5M            | 38.981M         |
| 5270MHz                            | Pass   | Inf        | 42.78M           | 38.501M         | 44.4M            | 38.441M         | 46.56M           | 38.501M         | 44.1M            | 38.561M         |
| 5310MHz                            | Pass   | Inf        | 45.72M           | 38.621M         | 45.48M           | 38.501M         | 44.04M           | 38.561M         | 44.94M           | 38.561M         |
| 5510MHz                            | Pass   | Inf        | 47.94M           | 38.501M         | 46.68M           | 38.621M         | 46.44M           | 38.621M         | 44.52M           | 38.681M         |
| 5550MHz                            | Pass   | Inf        | 43.62M           | 38.501M         | 46.32M           | 38.381M         | 48.3M            | 38.561M         | 45.9M            | 38.501M         |
| 5670MHz                            | Pass   | Inf        | 45.96M           | 38.621M         | 43.98M           | 38.681M         | 47.82M           | 38.621M         | 43.08M           | 38.681M         |
| 5755MHz                            | Pass   | 500k       | 35.46M           | 40.18M          | 34.5M            | 39.58M          | 35.4M            | 40.48M          | 35.04M           | 39.46M          |
| 5795MHz                            | Pass   | 500k       | 33.36M           | 39.76M          | 34.2M            | 39.58M          | 34.32M           | 40.36M          | 32.58M           | 39.4M           |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 5210MHz                            | Pass   | Inf        | 83.76M           | 78.801M         | 84.96M           | 78.441M         | 84.12M           | 78.921M         | 85.32M           | 78.681M         |
| 5290MHz                            | Pass   | Inf        | 90.24M           | 78.201M         | 87.12M           | 78.201M         | 84.6M            | 78.081M         | 83.16M           | 78.321M         |
| 5530MHz                            | Pass   | Inf        | 82.32M           | 77.961M         | 87.48M           | 78.441M         | 81.72M           | 78.201M         | 85.08M           | 78.081M         |
| 5610MHz                            | Pass   | Inf        | 83.64M           | 78.681M         | 84.48M           | 77.961M         | 81.96M           | 78.321M         | 87.36M           | 78.441M         |
| 5775MHz                            | Pass   | 500k       | 62.04M           | 83.958M         | 68.76M           | 77.961M         | 31.68M           | 82.759M         | 75.84M           | 78.681M         |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | -      | -          | -                | -               | -                | -               | -                | -               | -                | -               |
| 5250MHz Straddle 5.15-5.25GHz      | Pass   | Inf        | 81.92M           | 78.841M         | 83.92M           | 78.441M         | 87.36M           | 79.48M          | 83.44M           | 78.361M         |
| 5250MHz Straddle 5.25-5.35GHz      | Pass   | Inf        | 85.04M           | 78.841M         | 85.28M           | 78.841M         | 86.08M           | 78.761M         | 84.56M           | 78.761M         |
| 5570MHz                            | Pass   | Inf        | 174M             | 156.642M        | 161.76M          | 156.162M        | 165.84M          | 156.642M        | 168.72M          | 157.361M        |

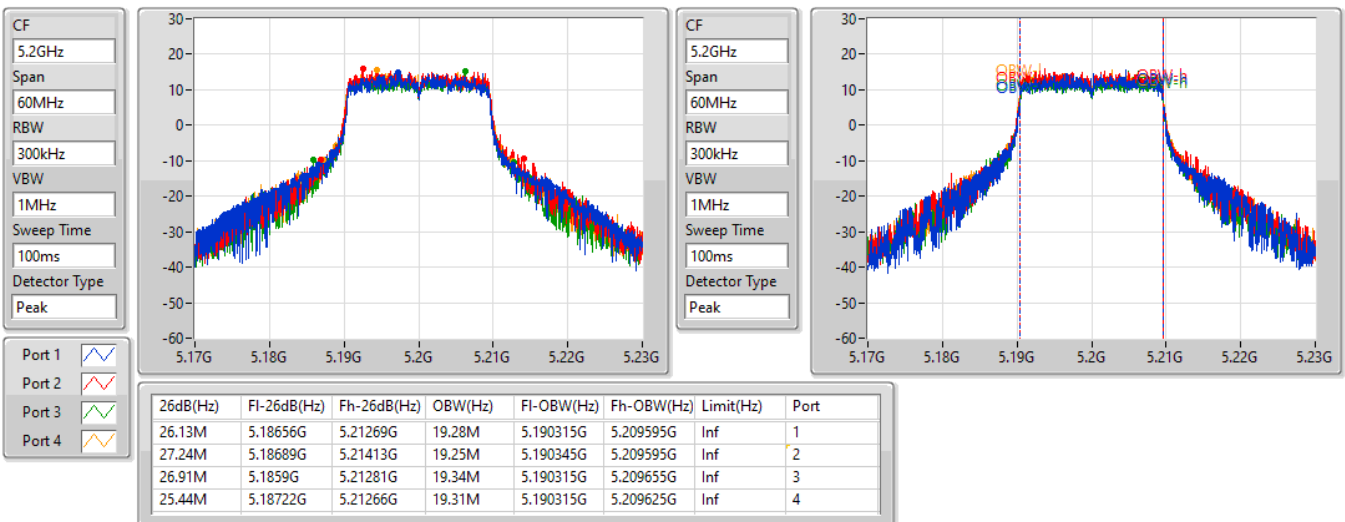
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5180MHz**

27/02/2022

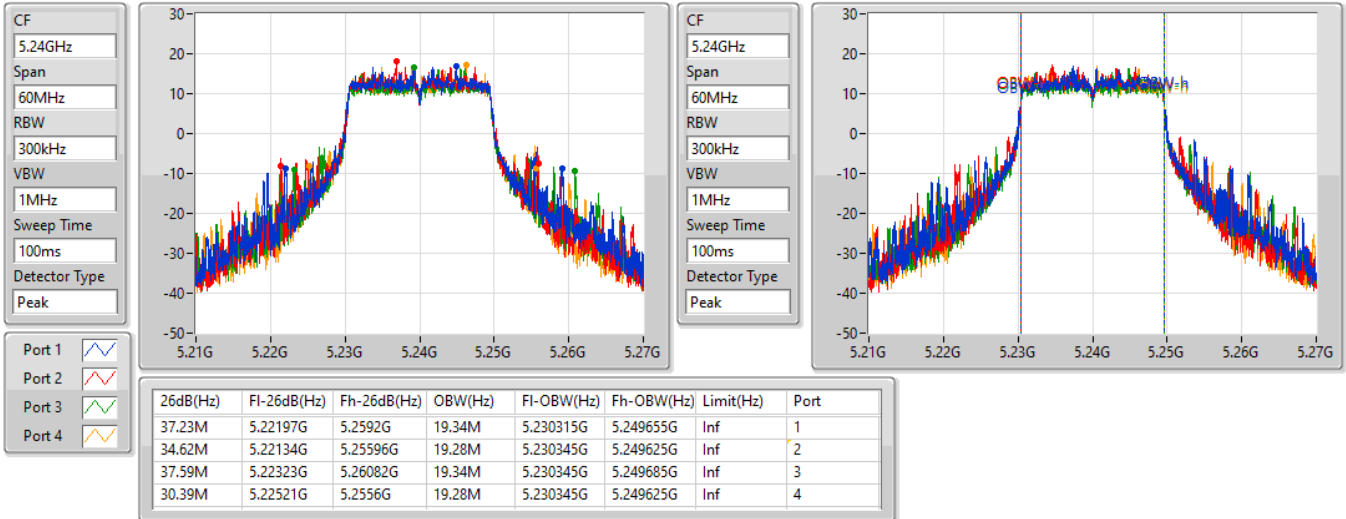

**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5200MHz**

27/02/2022

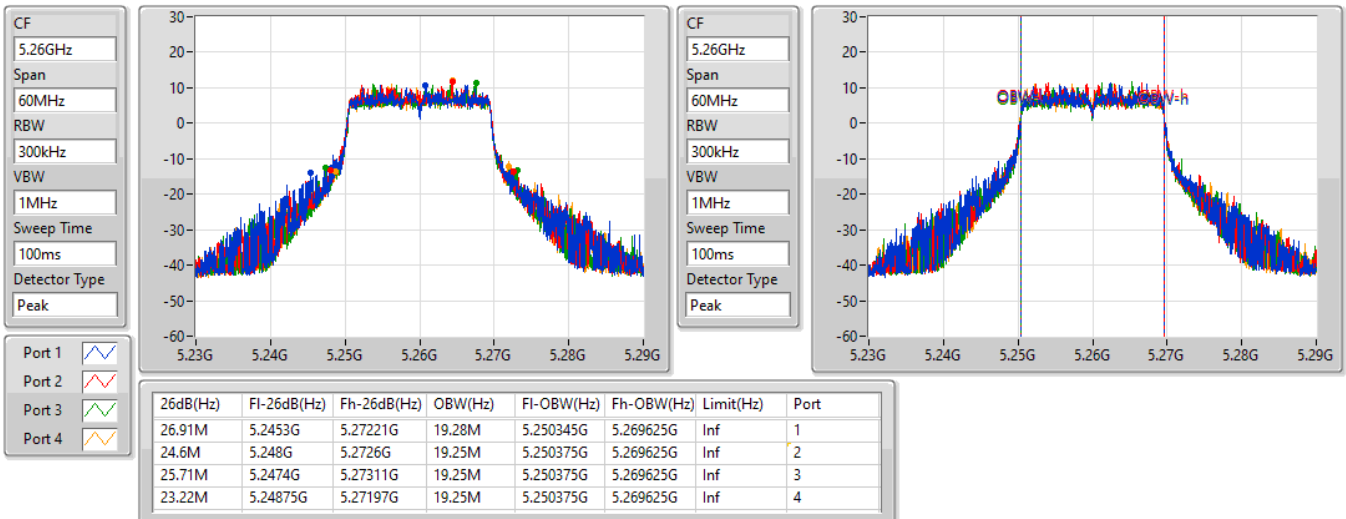


**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5240MHz**

27/02/2022

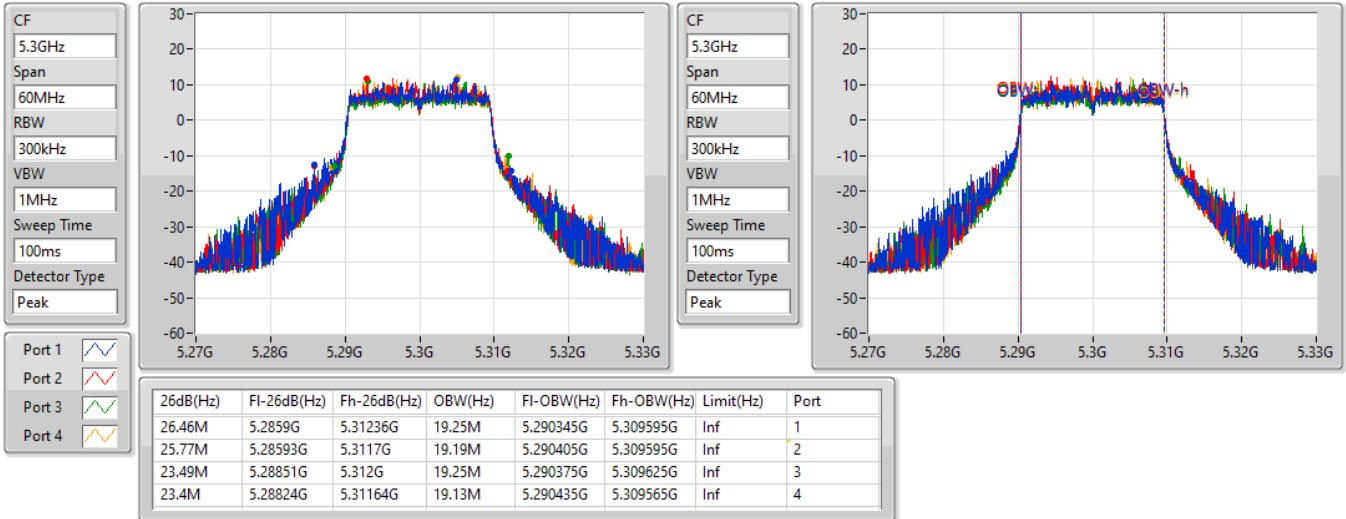

**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5260MHz**

27/02/2022

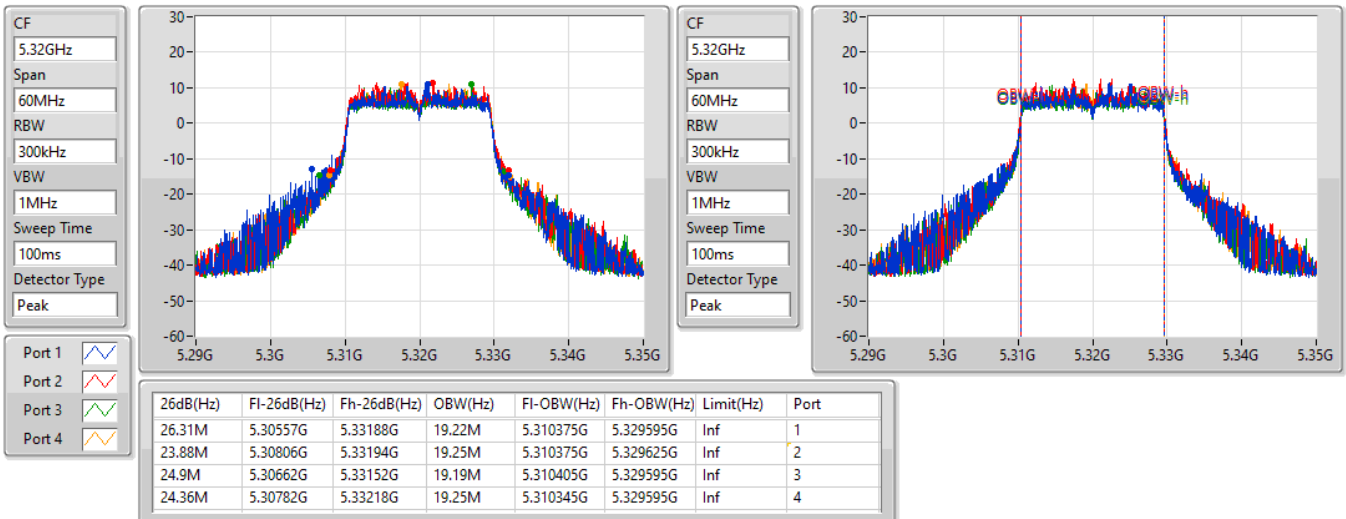


**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5300MHz**

27/02/2022

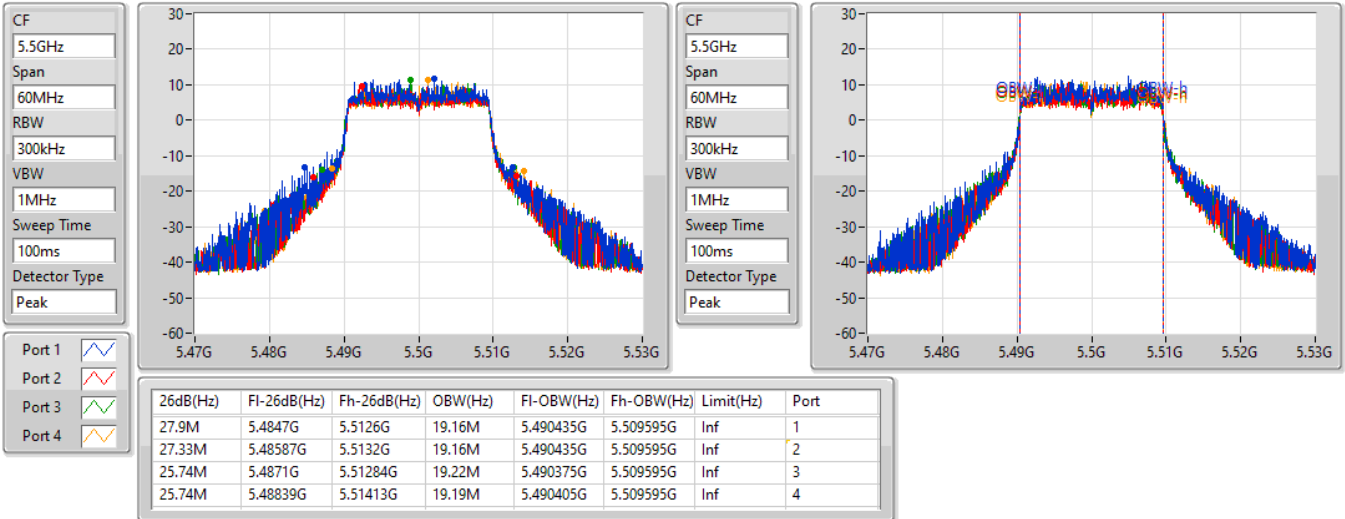

**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5320MHz**

27/02/2022

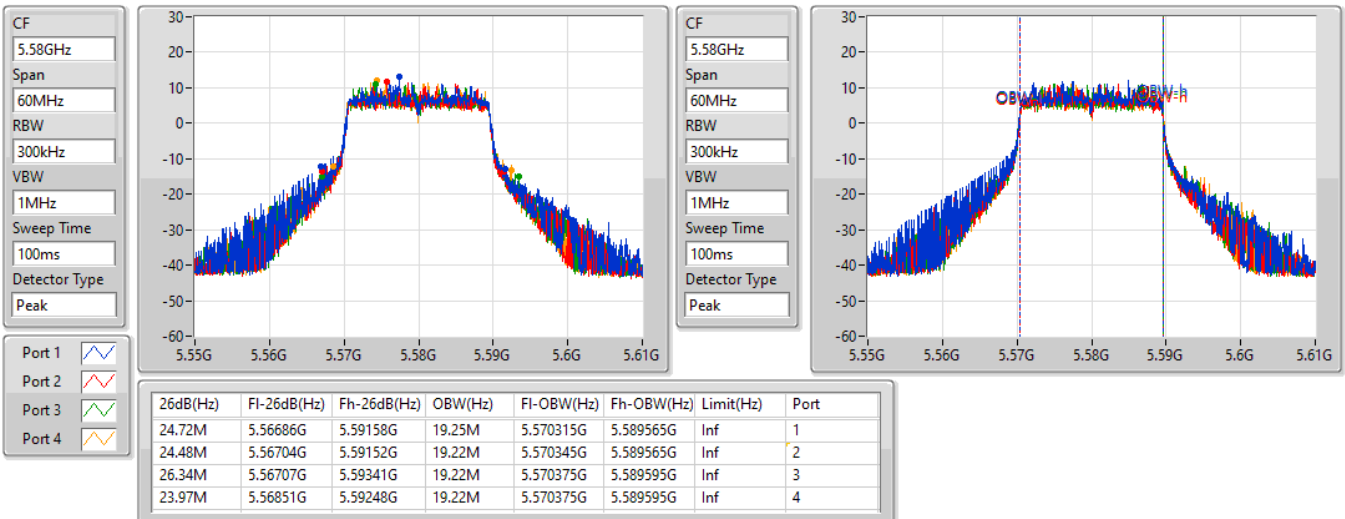


**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5500MHz**

27/02/2022

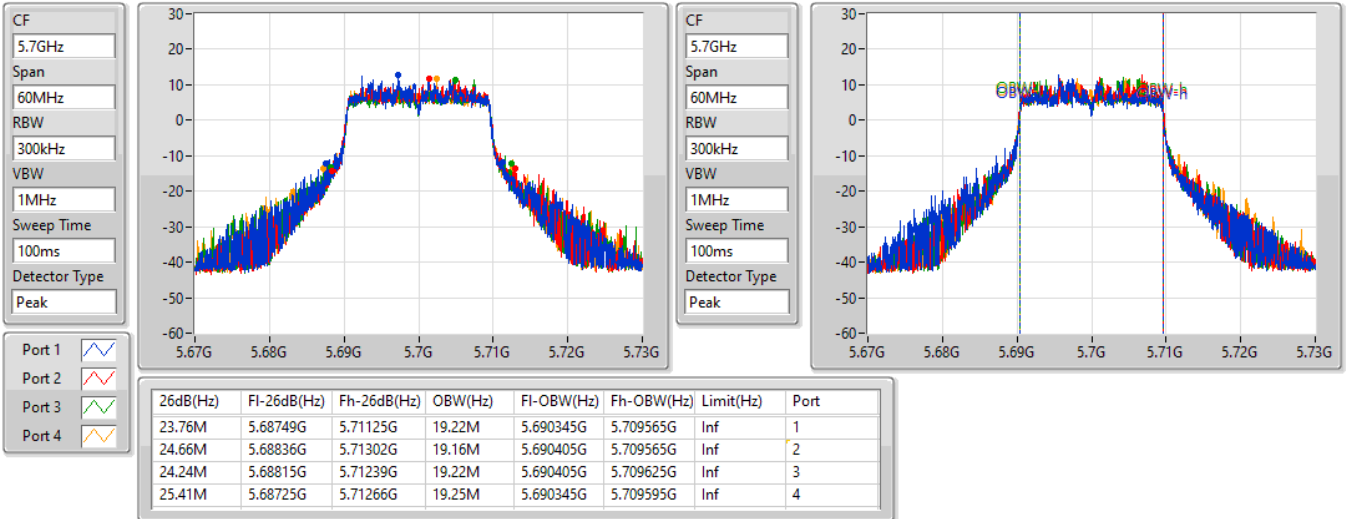

**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5580MHz**

27/02/2022

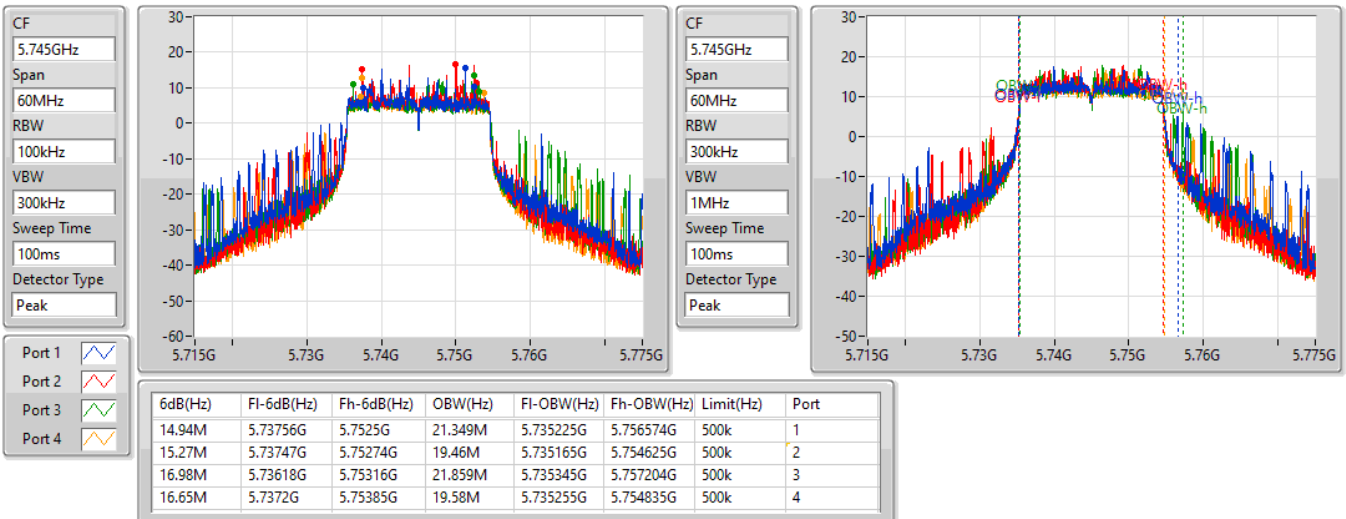


**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5700MHz**

27/02/2022

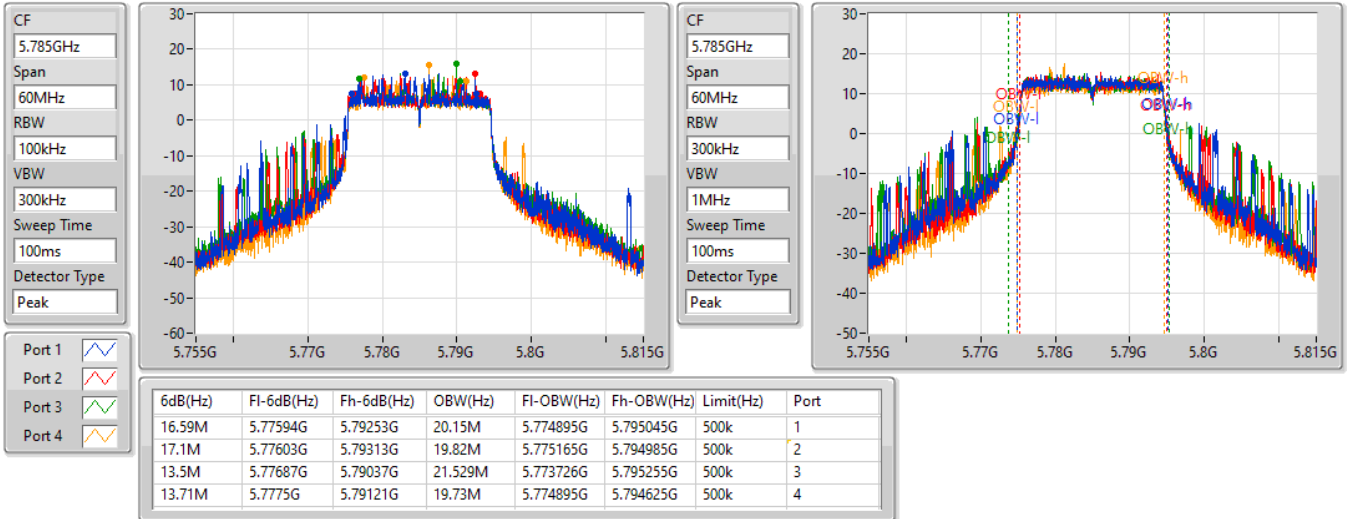

**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5745MHz**

27/02/2022

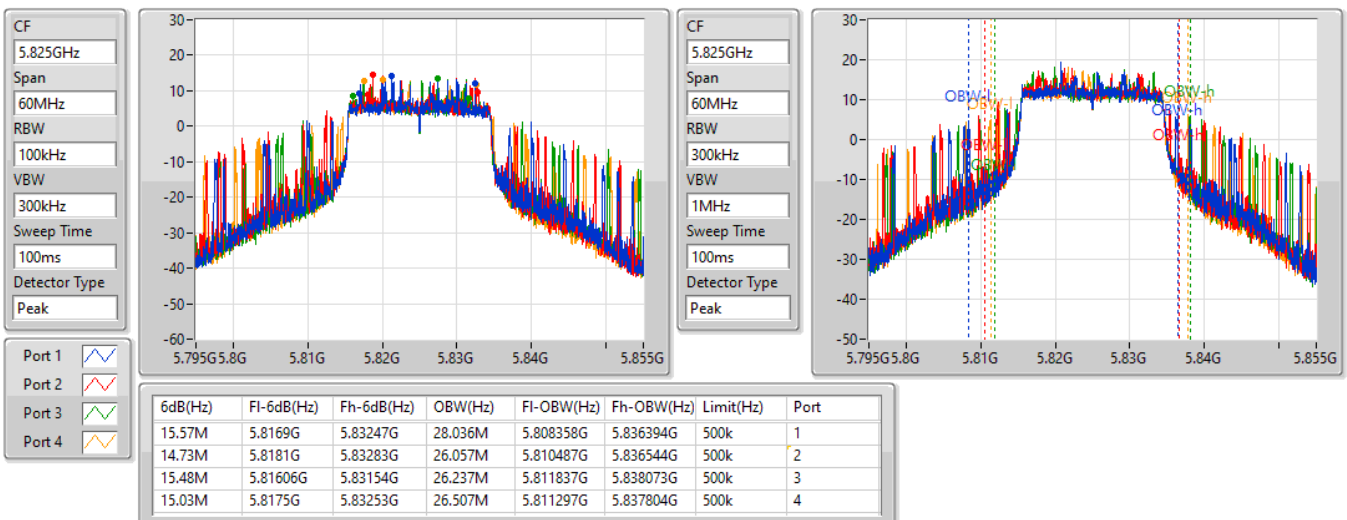


**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5785MHz**

27/02/2022

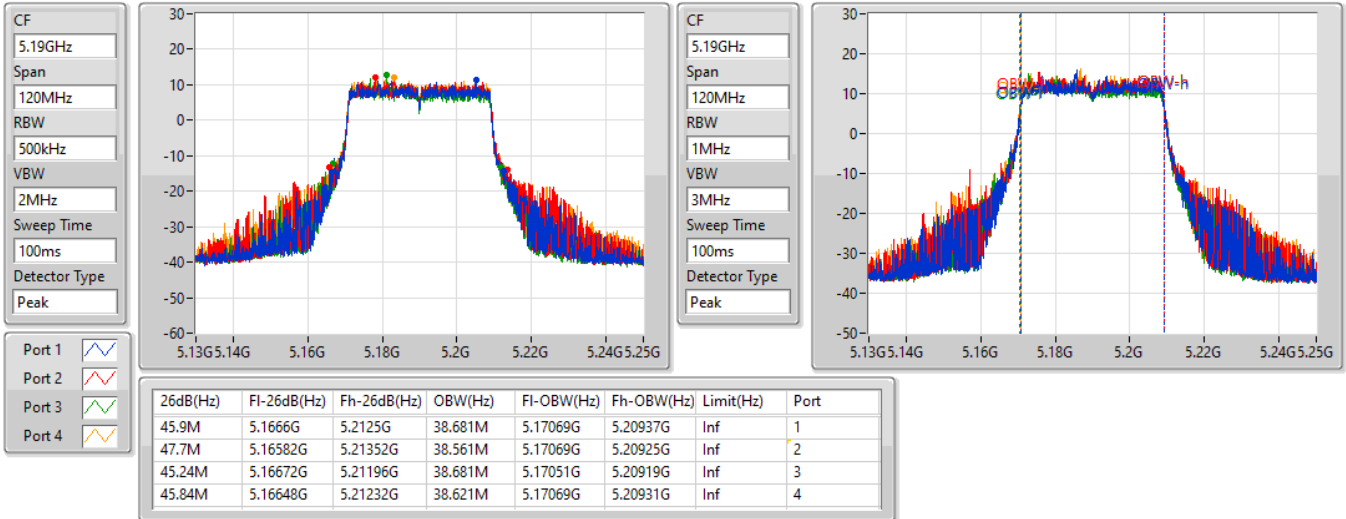

**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5825MHz**

27/02/2022

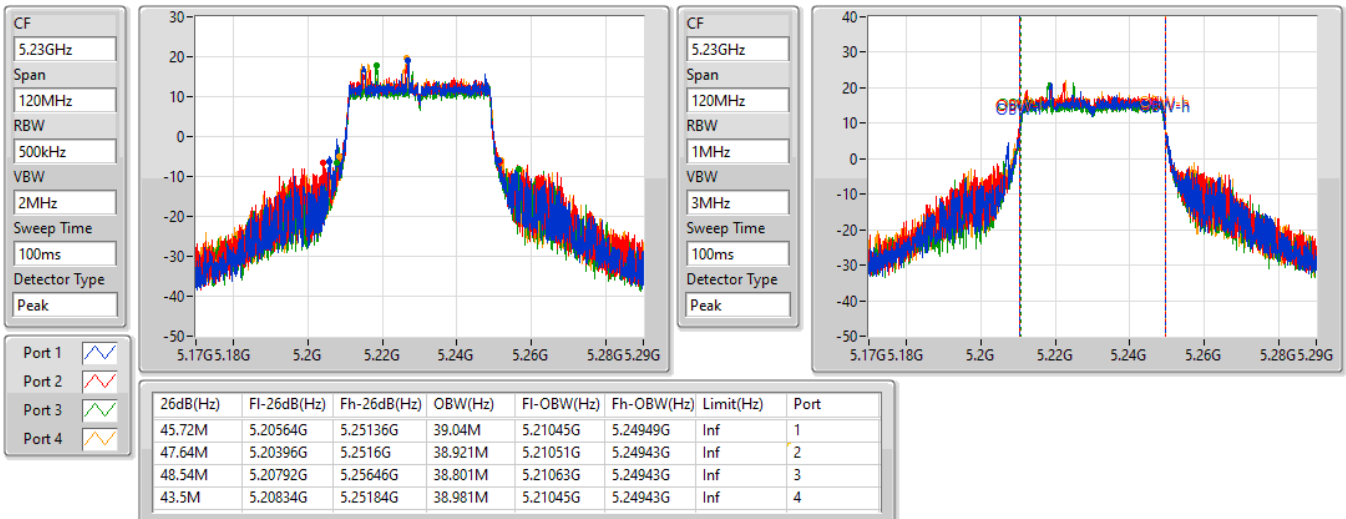


**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5190MHz**

27/02/2022

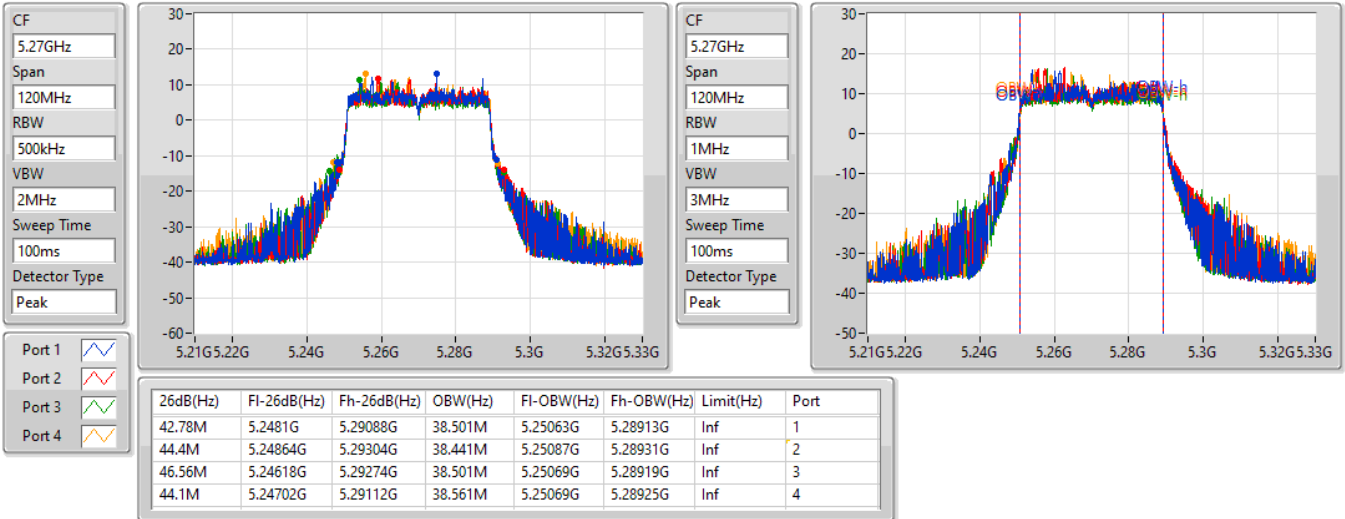

**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5230MHz**

27/02/2022

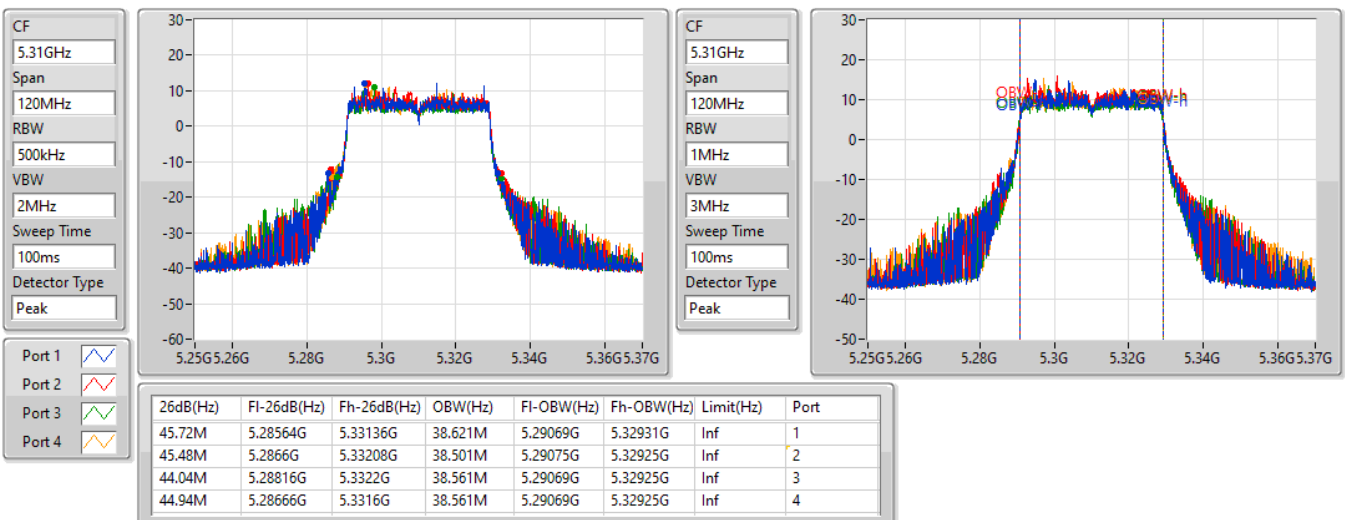


**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5270MHz**

27/02/2022

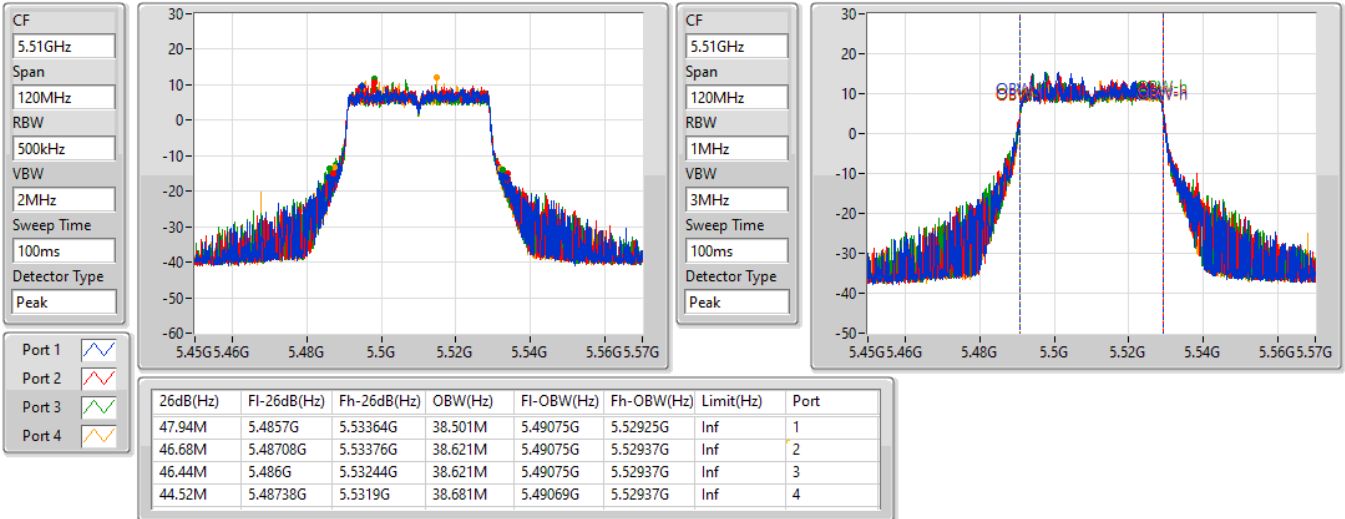

**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5310MHz**

27/02/2022

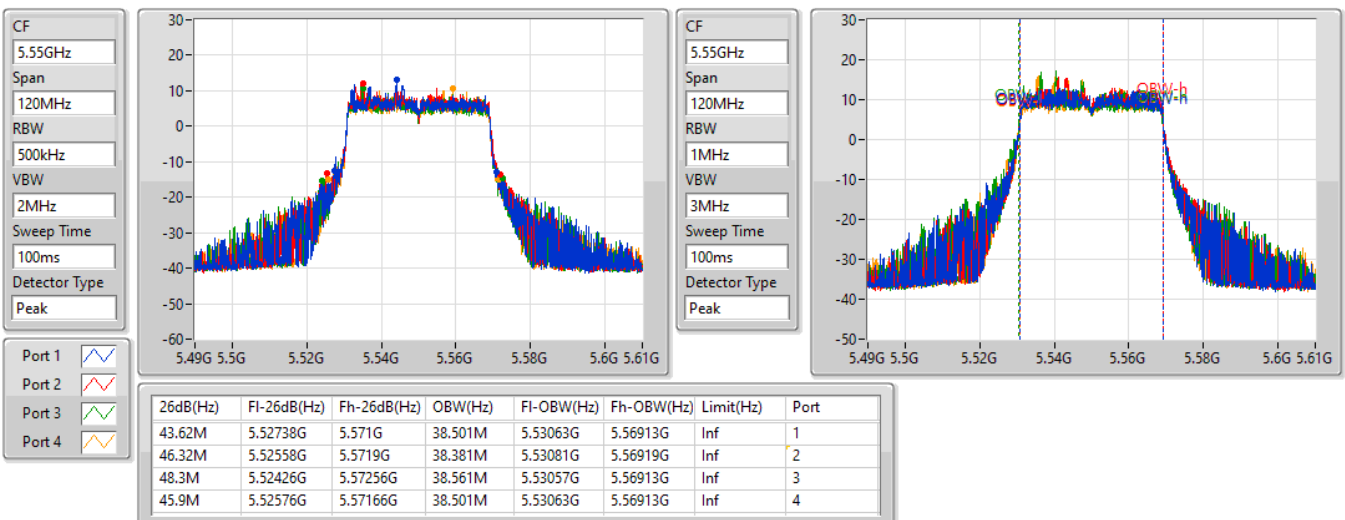


**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5510MHz**

27/02/2022

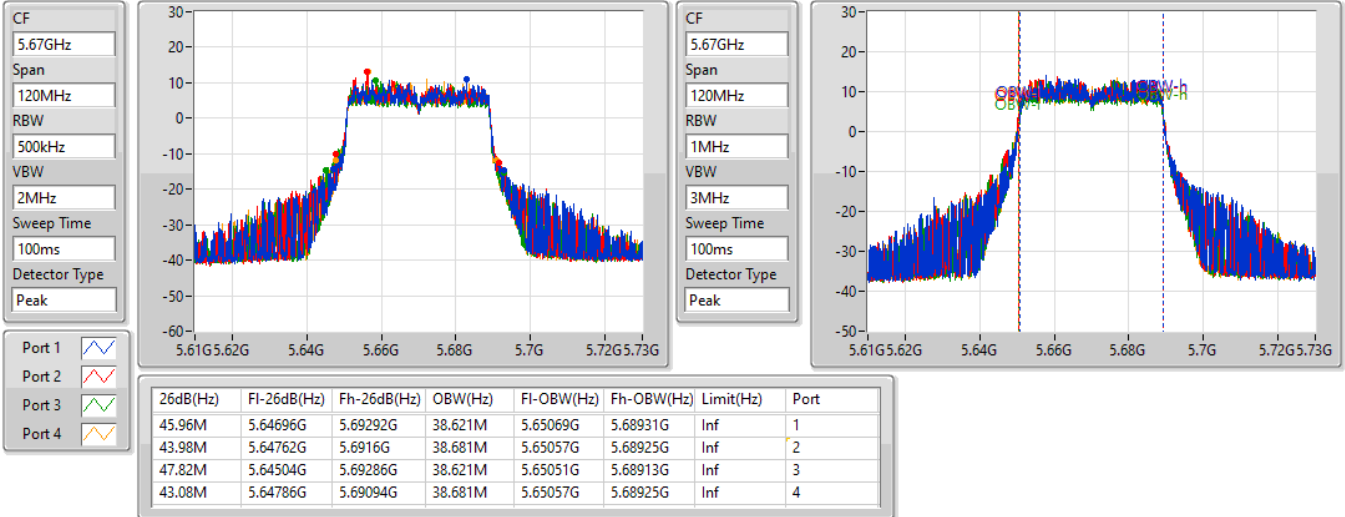

**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5550MHz**

27/02/2022

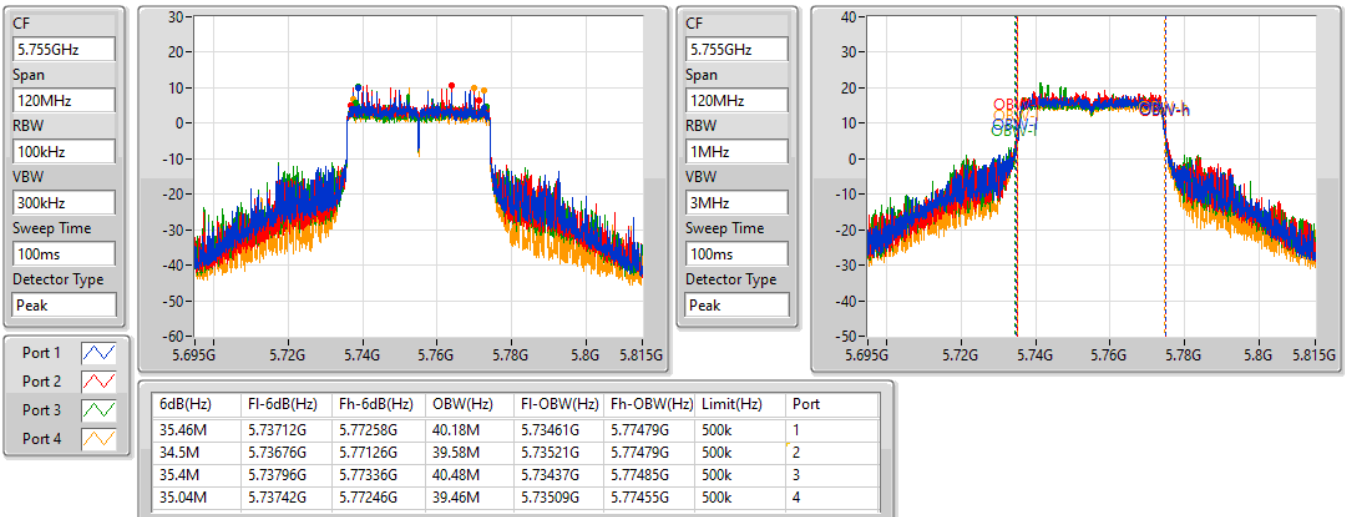


**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5670MHz**

27/02/2022

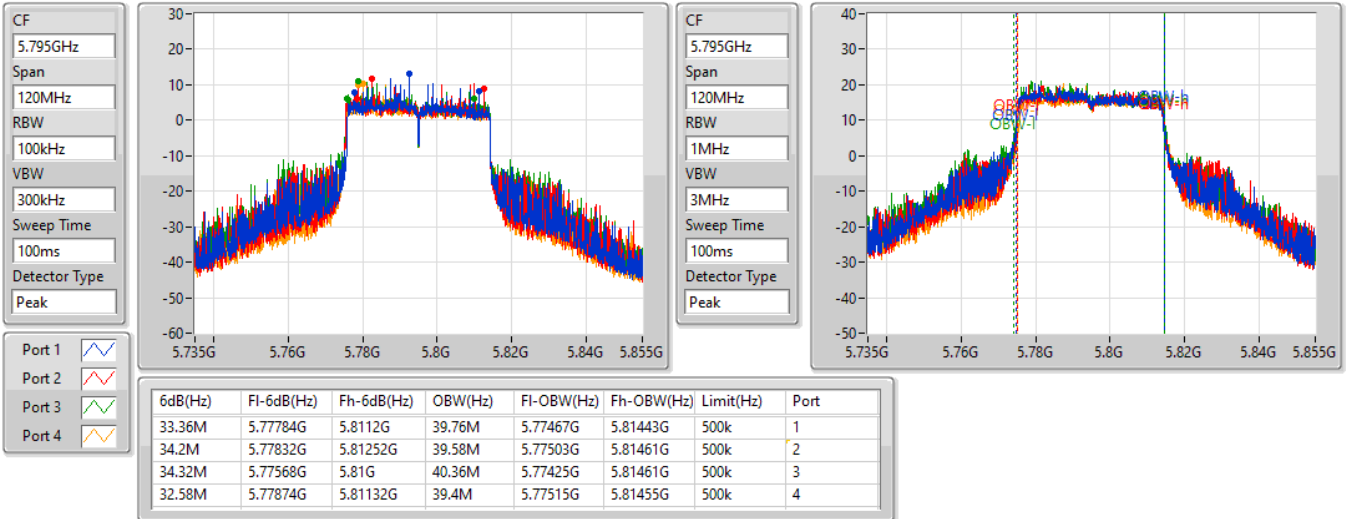

**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5755MHz**

27/02/2022

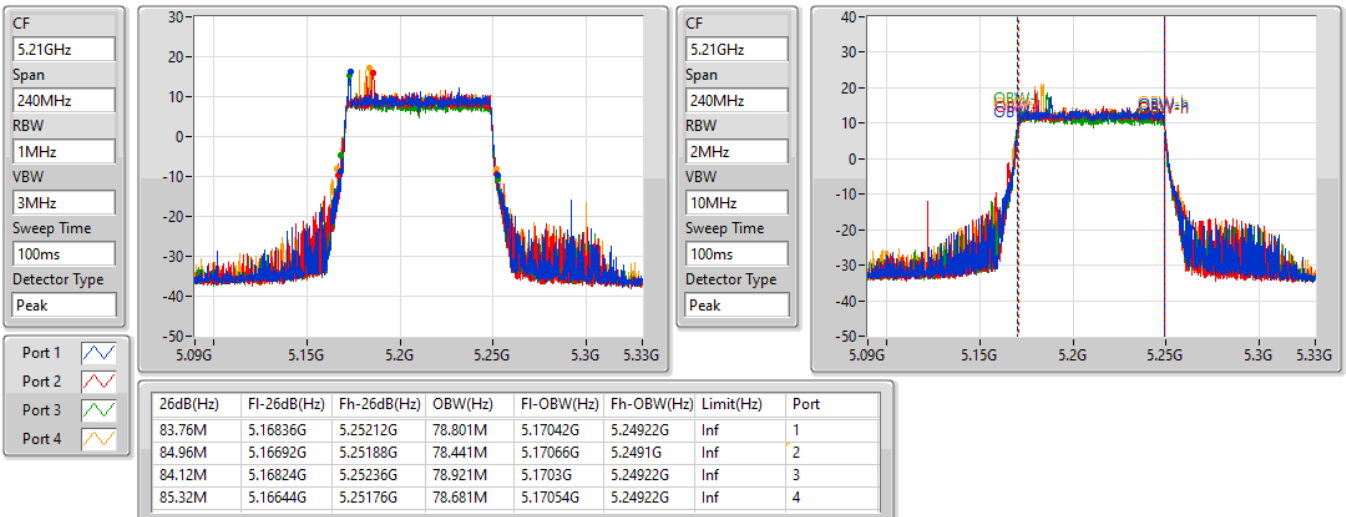


**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5795MHz**

27/02/2022

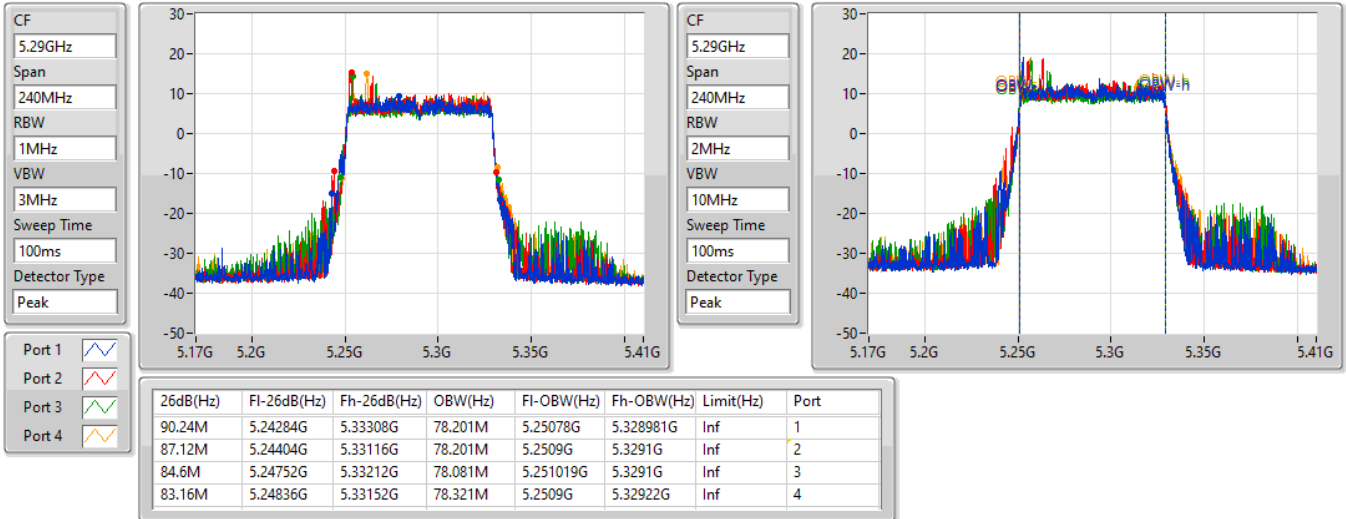

**802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5210MHz**

27/02/2022

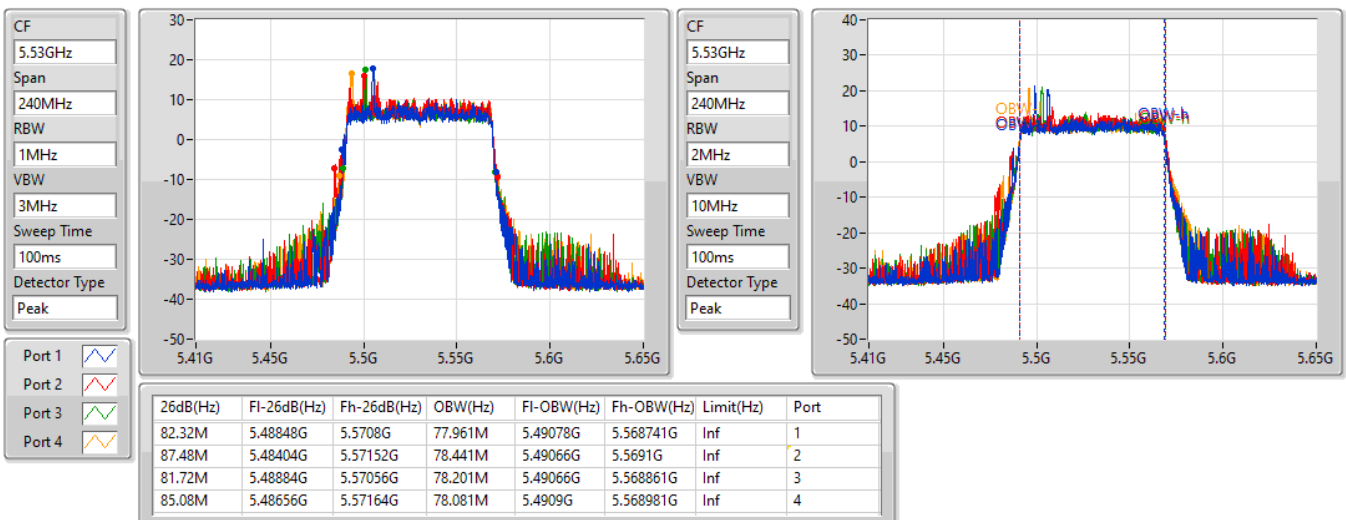


**802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5290MHz**

27/02/2022

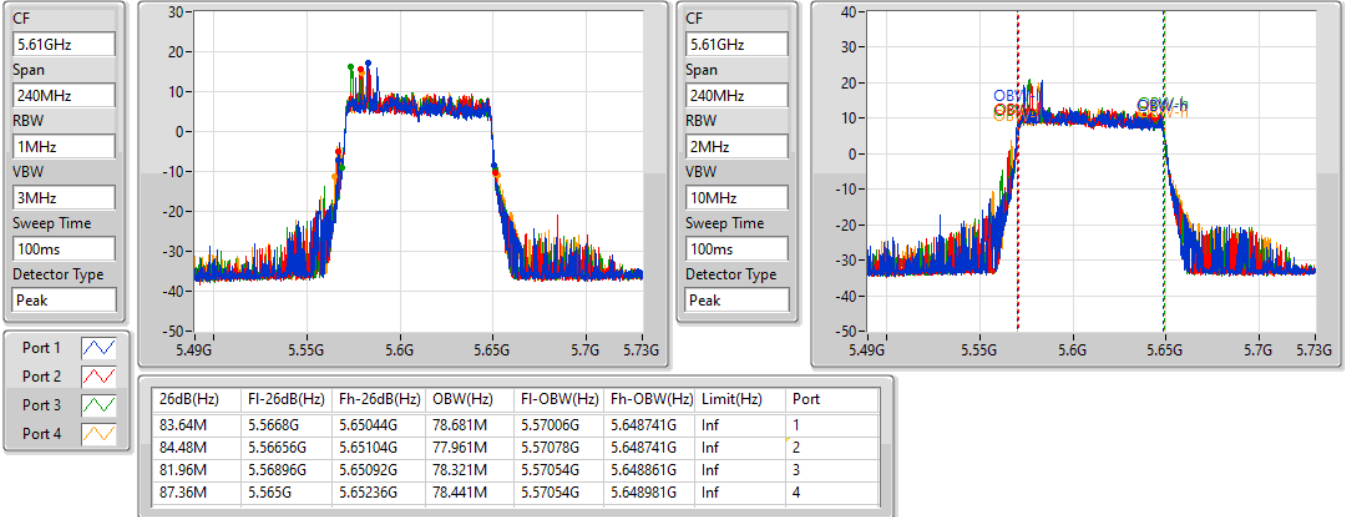

**802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5530MHz**

27/02/2022

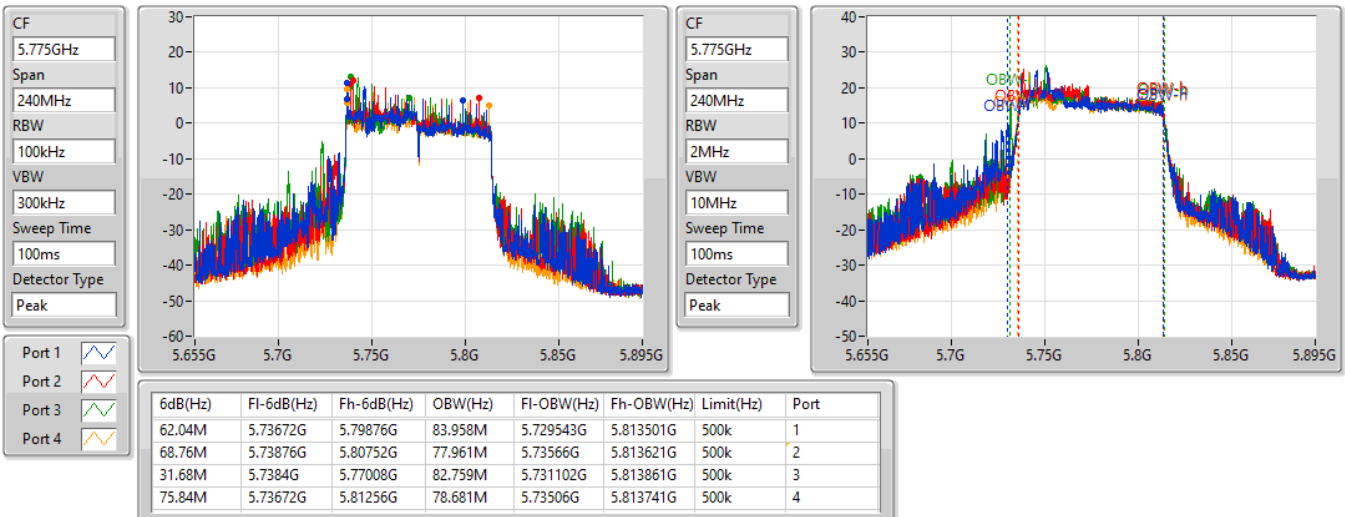


**802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5610MHz**

27/02/2022

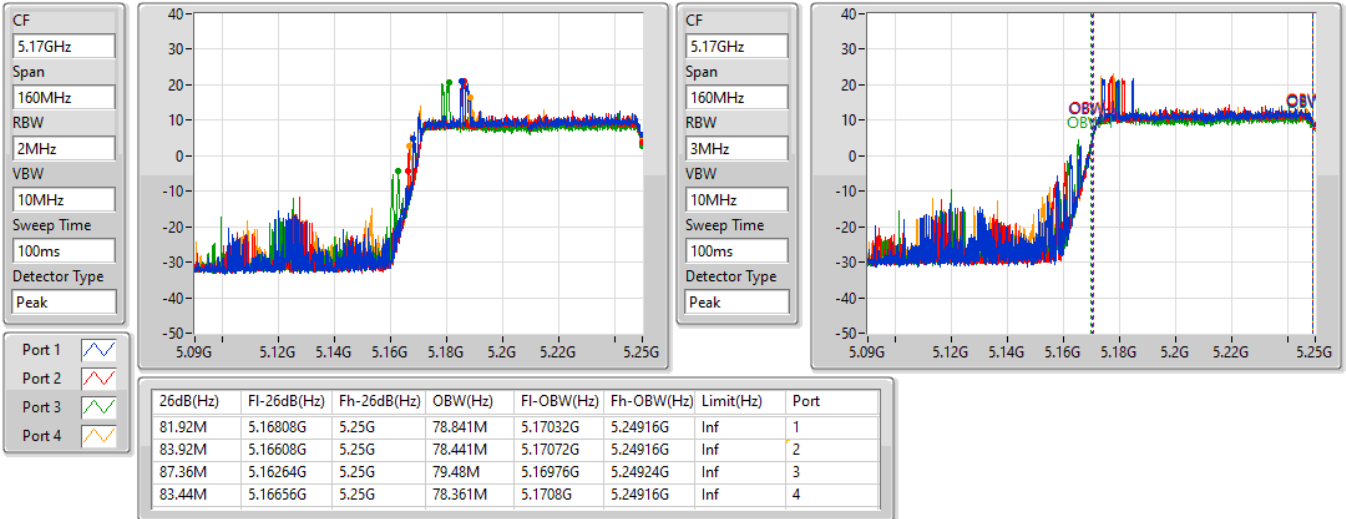

**802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5775MHz**

27/02/2022

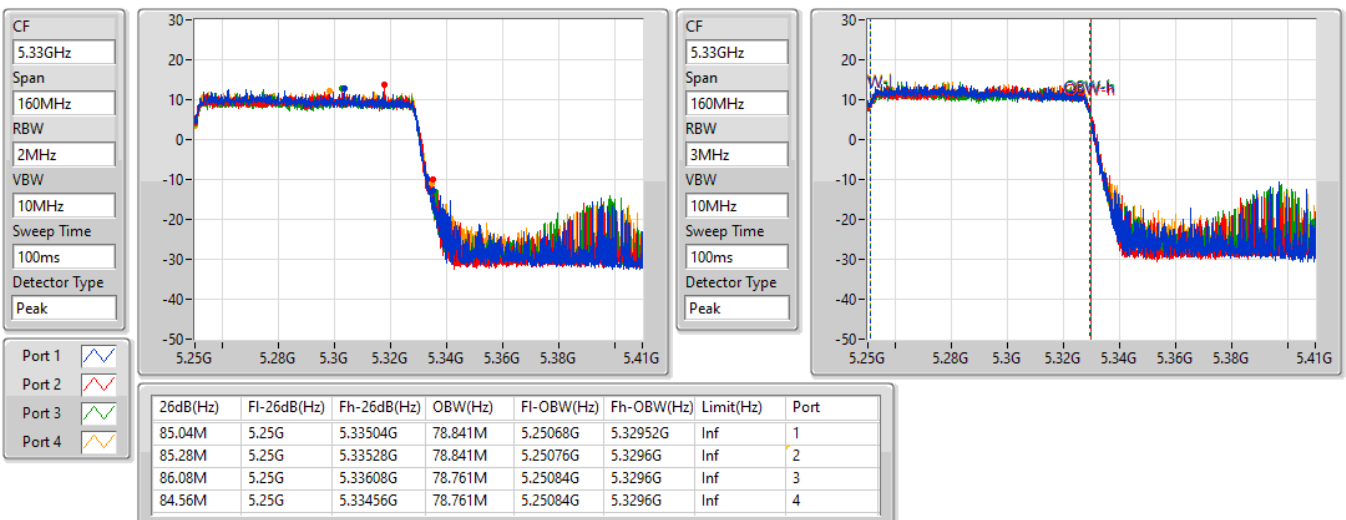


**802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5250MHz Straddle 5.15-5.25GHz**

27/02/2022


**802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5250MHz Straddle 5.25-5.35GHz**

27/02/2022

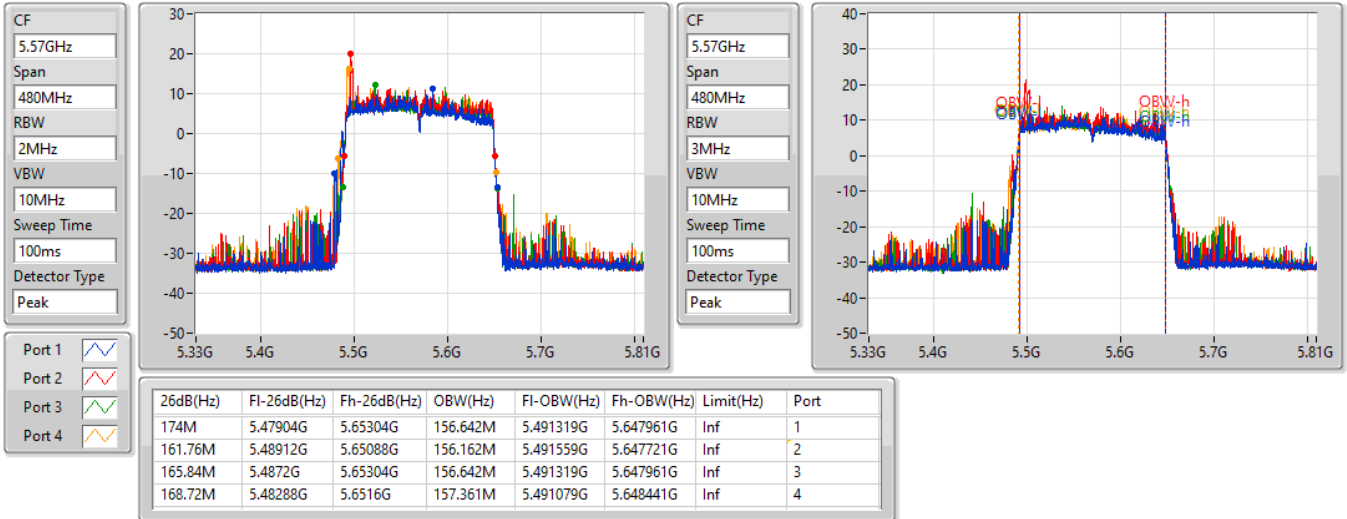


## 802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX

EBW

5570MHz

27/02/2022



## Summary

| Mode                            | Total Power<br>(dBm) | Total Power<br>(W) |
|---------------------------------|----------------------|--------------------|
| 5.15-5.25GHz                    | -                    | -                  |
| 802.11a_Nss1,(6Mbps)_4TX        | 27.02                | 0.50350            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 27.33                | 0.54075            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 27.68                | 0.58614            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 20.76                | 0.11912            |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 17.79                | 0.06012            |
| 5.25-5.35GHz                    | -                    | -                  |
| 802.11a_Nss1,(6Mbps)_4TX        | 20.90                | 0.12303            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 21.49                | 0.14093            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 23.96                | 0.24889            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 23.46                | 0.22182            |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 18.31                | 0.06776            |
| 5.47-5.725GHz                   | -                    | -                  |
| 802.11a_Nss1,(6Mbps)_4TX        | 21.13                | 0.12972            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 21.37                | 0.13709            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 23.95                | 0.24831            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 23.96                | 0.24889            |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 23.45                | 0.22131            |
| 5.725-5.85GHz                   | -                    | -                  |
| 802.11a_Nss1,(6Mbps)_4TX        | 29.92                | 0.98175            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 29.78                | 0.95060            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 29.89                | 0.97499            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 26.21                | 0.41783            |

## Result

| Mode                            | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) |
|---------------------------------|--------|----------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| 802.11a_Nss1,(6Mbps)_4TX        | -      | -        | -            | -            | -            | -            | -                 | -                 |
| 5180MHz                         | Pass   | 3.50     | 21.06        | 21.05        | 20.54        | 21.30        | 27.02             | 30.00             |
| 5200MHz                         | Pass   | 3.50     | 20.11        | 20.98        | 20.70        | 21.29        | 26.81             | 30.00             |
| 5240MHz                         | Pass   | 3.50     | 20.79        | 21.50        | 20.44        | 20.45        | 26.84             | 30.00             |
| 5260MHz                         | Pass   | 3.50     | 15.01        | 15.41        | 14.49        | 14.56        | 20.90             | 23.98             |
| 5300MHz                         | Pass   | 3.50     | 14.90        | 15.30        | 14.11        | 14.67        | 20.79             | 23.98             |
| 5320MHz                         | Pass   | 3.50     | 14.89        | 15.34        | 14.61        | 14.58        | 20.89             | 23.98             |
| 5500MHz                         | Pass   | 3.50     | 15.59        | 15.28        | 14.98        | 14.52        | 21.13             | 23.98             |
| 5580MHz                         | Pass   | 3.50     | 15.56        | 14.65        | 14.83        | 14.85        | 21.01             | 23.98             |
| 5700MHz                         | Pass   | 3.50     | 11.74        | 11.54        | 11.25        | 11.60        | 17.56             | 23.98             |
| 5745MHz                         | Pass   | 3.50     | 23.24        | 23.96        | 23.44        | 23.87        | 29.66             | 30.00             |
| 5785MHz                         | Pass   | 3.50     | 24.06        | 23.96        | 23.48        | 24.08        | 29.92             | 30.00             |
| 5825MHz                         | Pass   | 3.50     | 23.74        | 24.03        | 23.53        | 23.57        | 29.74             | 30.00             |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | -      | -        | -            | -            | -            | -            | -                 | -                 |
| 5180MHz                         | Pass   | 3.50     | 19.18        | 19.64        | 19.35        | 19.95        | 25.56             | 30.00             |
| 5200MHz                         | Pass   | 3.50     | 21.32        | 21.21        | 20.36        | 21.04        | 27.02             | 30.00             |
| 5240MHz                         | Pass   | 3.50     | 21.32        | 21.87        | 20.85        | 21.12        | 27.33             | 30.00             |
| 5260MHz                         | Pass   | 3.50     | 15.49        | 14.52        | 15.01        | 15.96        | 21.30             | 23.98             |
| 5300MHz                         | Pass   | 3.50     | 15.42        | 15.89        | 14.76        | 15.73        | 21.49             | 23.98             |
| 5320MHz                         | Pass   | 3.50     | 15.38        | 16.14        | 15.11        | 14.78        | 21.40             | 23.98             |
| 5500MHz                         | Pass   | 3.50     | 15.73        | 15.38        | 15.13        | 15.15        | 21.37             | 23.98             |
| 5580MHz                         | Pass   | 3.50     | 15.53        | 15.12        | 14.36        | 15.25        | 21.11             | 23.98             |
| 5700MHz                         | Pass   | 3.50     | 15.37        | 15.61        | 14.86        | 15.19        | 21.29             | 23.98             |
| 5745MHz                         | Pass   | 3.50     | 23.38        | 24.07        | 23.65        | 23.76        | 29.74             | 30.00             |
| 5785MHz                         | Pass   | 3.50     | 23.84        | 23.86        | 23.39        | 23.93        | 29.78             | 30.00             |
| 5825MHz                         | Pass   | 3.50     | 23.60        | 23.97        | 23.51        | 23.45        | 29.66             | 30.00             |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | -      | -        | -            | -            | -            | -            | -                 | -                 |
| 5190MHz                         | Pass   | 3.50     | 15.65        | 16.28        | 15.43        | 16.07        | 21.89             | 30.00             |
| 5230MHz                         | Pass   | 3.50     | 21.34        | 22.03        | 21.28        | 21.94        | 27.68             | 30.00             |
| 5270MHz                         | Pass   | 3.50     | 17.91        | 17.95        | 17.40        | 17.93        | 23.82             | 23.98             |
| 5310MHz                         | Pass   | 3.50     | 17.82        | 18.22        | 17.39        | 18.28        | 23.96             | 23.98             |
| 5510MHz                         | Pass   | 3.50     | 17.75        | 17.35        | 17.67        | 17.46        | 23.58             | 23.98             |
| 5550MHz                         | Pass   | 3.50     | 18.04        | 17.81        | 17.38        | 17.49        | 23.71             | 23.98             |
| 5670MHz                         | Pass   | 3.50     | 17.95        | 17.76        | 17.88        | 18.13        | 23.95             | 23.98             |
| 5755MHz                         | Pass   | 3.50     | 23.16        | 23.32        | 23.29        | 23.14        | 29.25             | 30.00             |
| 5795MHz                         | Pass   | 3.50     | 23.84        | 24.17        | 23.78        | 23.66        | 29.89             | 30.00             |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | -      | -        | -            | -            | -            | -            | -                 | -                 |
| 5210MHz                         | Pass   | 3.50     | 15.03        | 14.78        | 14.22        | 14.89        | 20.76             | 30.00             |
| 5290MHz                         | Pass   | 3.50     | 17.42        | 17.66        | 17.01        | 17.62        | 23.46             | 23.98             |
| 5530MHz                         | Pass   | 3.50     | 18.13        | 18.27        | 17.65        | 17.68        | 23.96             | 23.98             |
| 5610MHz                         | Pass   | 3.50     | 17.83        | 18.05        | 17.67        | 17.47        | 23.78             | 23.98             |
| 5775MHz                         | Pass   | 3.50     | 20.15        | 20.29        | 20.11        | 20.22        | 26.21             | 30.00             |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | -      | -        | -            | -            | -            | -            | -                 | -                 |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | 3.50     | 11.89        | 12.21        | 11.07        | 11.81        | 17.79             | 30.00             |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | 3.50     | 12.28        | 12.53        | 11.81        | 12.50        | 18.31             | 23.98             |
| 5570MHz                         | Pass   | 3.50     | 16.97        | 17.73        | 17.42        | 17.55        | 23.45             | 23.98             |

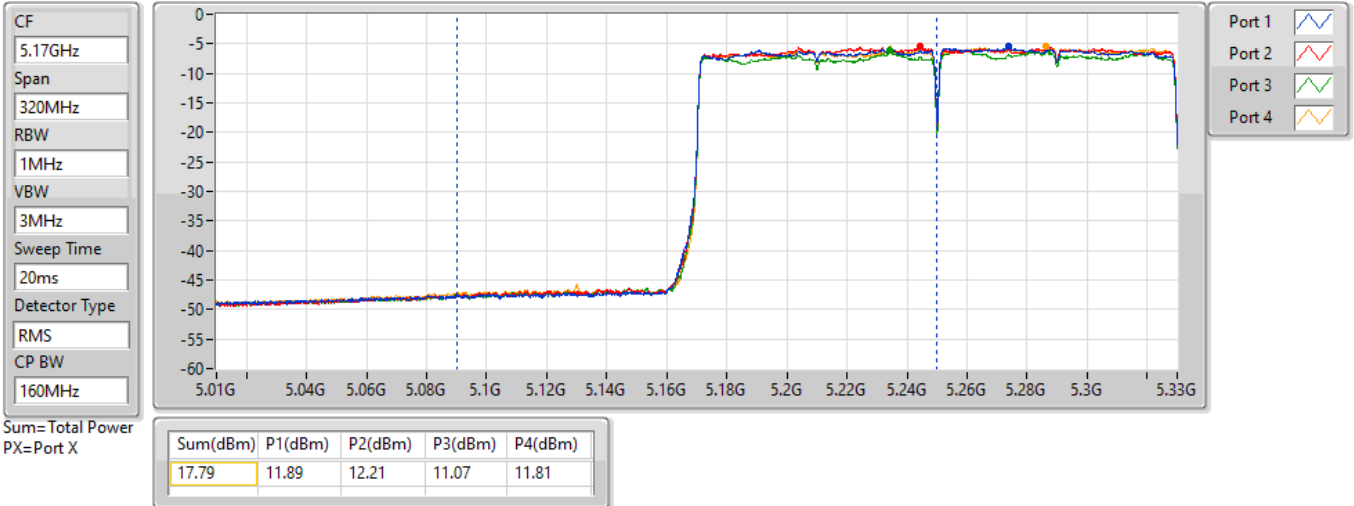
DG = Directional Gain; Port X = Port X output power

## 802.11ax HEW160\_Nss1,(MCS0)\_4TX

## AV Power

### 5250MHz Straddle 5.15-5.25GHz\_TnomVnom

26/02/2022

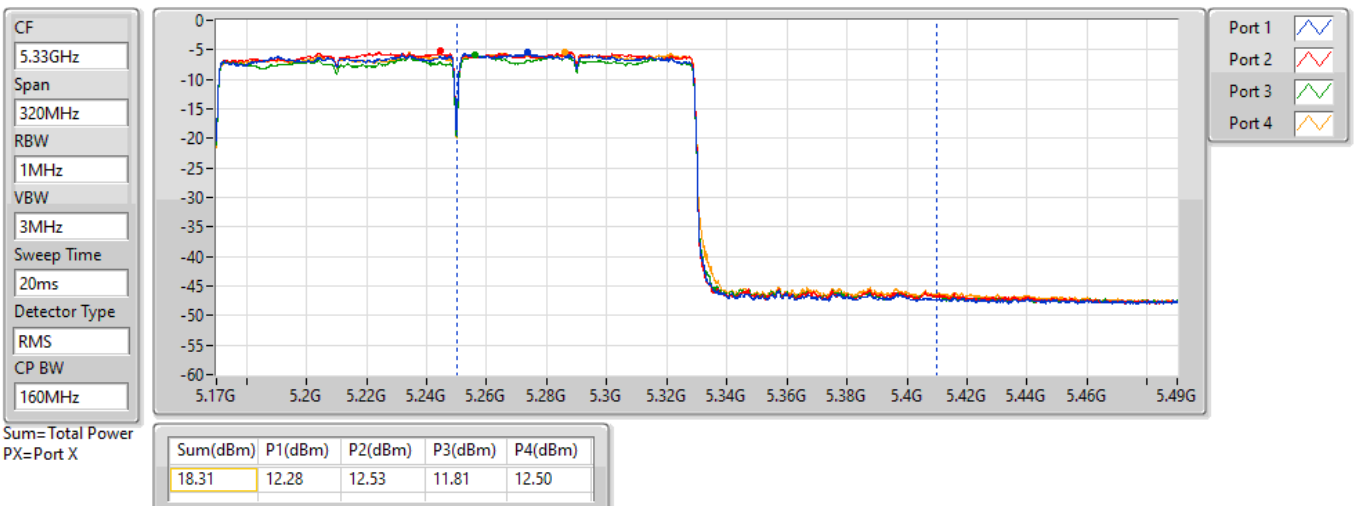


## 802.11ax HEW160\_Nss1,(MCS0)\_4TX

## AV Power

### 5250MHz Straddle 5.25-5.35GHz\_TnomVnom

26/02/2022



## Summary

| Mode                               | Total Power<br>(dBm) | Total Power<br>(W) |
|------------------------------------|----------------------|--------------------|
| 5.15-5.25GHz                       | -                    | -                  |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 27.05                | 0.50699            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 27.06                | 0.50816            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 23.41                | 0.21928            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 20.56                | 0.11376            |
| 5.25-5.35GHz                       | -                    | -                  |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 21.08                | 0.12823            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 21.14                | 0.13002            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 21.19                | 0.13152            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 21.10                | 0.12882            |
| 5.47-5.725GHz                      | -                    | -                  |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 21.17                | 0.13092            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 21.18                | 0.13122            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 20.95                | 0.12445            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 20.92                | 0.12359            |
| 5.725-5.85GHz                      | -                    | -                  |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 27.18                | 0.52240            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 26.98                | 0.49888            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 26.91                | 0.49091            |

## Result

| Mode                               | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Port 3<br>(dBm) | Port 4<br>(dBm) | Total Power<br>(dBm) | Power Limit<br>(dBm) |
|------------------------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|----------------------|----------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5180MHz                            | Pass   | 8.76        | 20.93           | 20.76           | 20.39           | 21.07           | 26.82                | 27.24                |
| 5200MHz                            | Pass   | 8.76        | 20.84           | 21.18           | 20.72           | 20.96           | 26.95                | 27.24                |
| 5240MHz                            | Pass   | 8.76        | 21.05           | 21.49           | 20.63           | 20.91           | 27.05                | 27.24                |
| 5260MHz                            | Pass   | 8.76        | 15.06           | 15.32           | 14.81           | 14.89           | 21.05                | 21.22                |
| 5300MHz                            | Pass   | 8.76        | 15.17           | 15.46           | 14.63           | 14.92           | 21.08                | 21.22                |
| 5320MHz                            | Pass   | 8.76        | 14.59           | 15.52           | 14.58           | 15.05           | 20.97                | 21.22                |
| 5500MHz                            | Pass   | 8.76        | 15.12           | 14.59           | 14.81           | 14.73           | 20.84                | 21.22                |
| 5580MHz                            | Pass   | 8.76        | 15.25           | 14.87           | 14.98           | 14.85           | 21.01                | 21.22                |
| 5700MHz                            | Pass   | 8.76        | 14.87           | 15.38           | 15.03           | 15.29           | 21.17                | 21.22                |
| 5745MHz                            | Pass   | 8.76        | 21.02           | 21.34           | 20.67           | 20.76           | 26.98                | 27.24                |
| 5785MHz                            | Pass   | 8.76        | 21.41           | 21.37           | 21.25           | 20.57           | 27.18                | 27.24                |
| 5825MHz                            | Pass   | 8.76        | 20.52           | 20.99           | 20.86           | 20.82           | 26.82                | 27.24                |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5190MHz                            | Pass   | 8.76        | 16.94           | 17.19           | 16.57           | 17.32           | 23.03                | 27.24                |
| 5230MHz                            | Pass   | 8.76        | 20.98           | 21.45           | 20.37           | 21.27           | 27.06                | 27.24                |
| 5270MHz                            | Pass   | 8.76        | 15.25           | 15.33           | 14.64           | 15.02           | 21.09                | 21.22                |
| 5310MHz                            | Pass   | 8.76        | 15.12           | 15.43           | 14.74           | 15.16           | 21.14                | 21.22                |
| 5510MHz                            | Pass   | 8.76        | 14.93           | 15.16           | 14.85           | 14.79           | 20.96                | 21.22                |
| 5550MHz                            | Pass   | 8.76        | 14.98           | 15.25           | 14.71           | 14.53           | 20.90                | 21.22                |
| 5670MHz                            | Pass   | 8.76        | 15.24           | 15.47           | 14.77           | 15.11           | 21.18                | 21.22                |
| 5755MHz                            | Pass   | 8.76        | 20.97           | 21.28           | 20.82           | 20.35           | 26.89                | 27.24                |
| 5795MHz                            | Pass   | 8.76        | 21.19           | 20.82           | 21.29           | 20.50           | 26.98                | 27.24                |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5210MHz                            | Pass   | 8.76        | 17.61           | 17.56           | 16.68           | 17.65           | 23.41                | 27.24                |
| 5290MHz                            | Pass   | 8.76        | 15.23           | 15.42           | 14.84           | 15.17           | 21.19                | 21.22                |
| 5530MHz                            | Pass   | 8.76        | 14.21           | 15.34           | 14.87           | 14.79           | 20.84                | 21.22                |
| 5610MHz                            | Pass   | 8.76        | 14.66           | 14.86           | 15.06           | 15.14           | 20.95                | 21.22                |
| 5775MHz                            | Pass   | 8.76        | 20.79           | 21.15           | 20.94           | 20.65           | 26.91                | 27.24                |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5250MHz Straddle 5.15-5.25GHz      | Pass   | 8.76        | 14.82           | 14.69           | 13.97           | 14.62           | 20.56                | 27.24                |
| 5250MHz Straddle 5.25-5.35GHz      | Pass   | 8.76        | 15.20           | 15.11           | 14.81           | 15.18           | 21.10                | 21.22                |
| 5570MHz                            | Pass   | 8.76        | 14.43           | 15.26           | 14.96           | 14.91           | 20.92                | 21.22                |

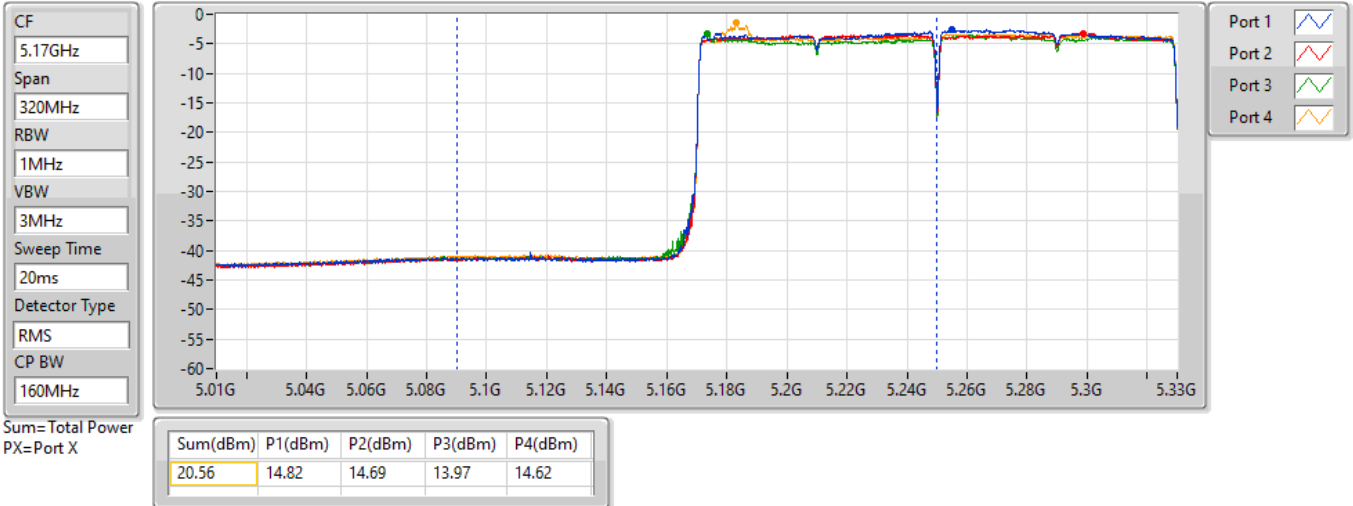
DG = Directional Gain; Port X = Port X output power

## 802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5250MHz Straddle 5.15-5.25GHz\_TnomVnom

27/02/2022

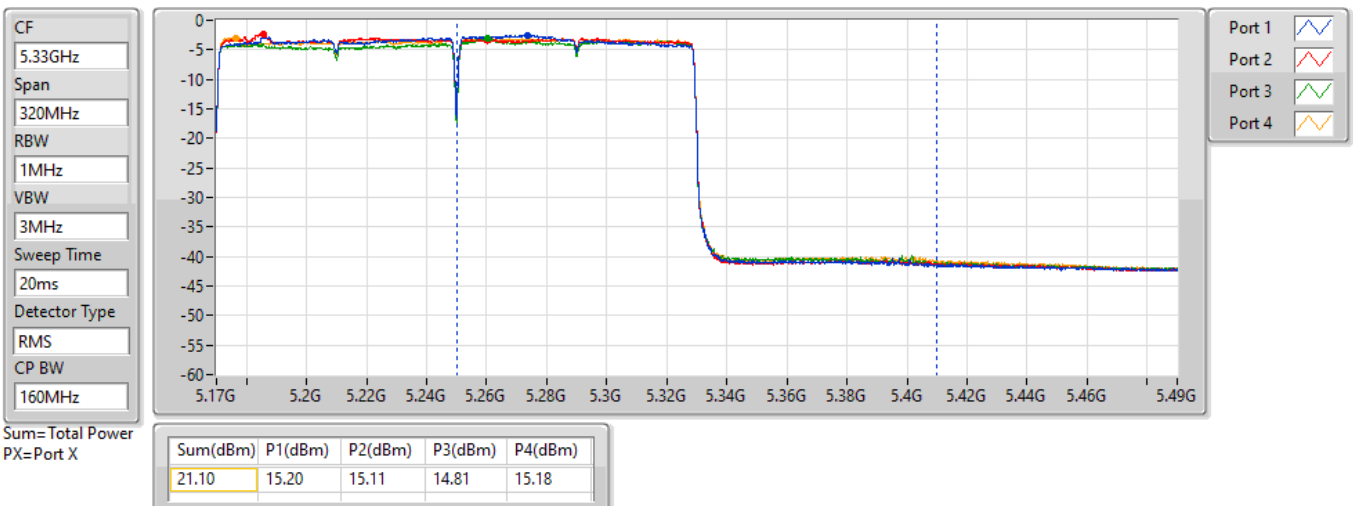


## 802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5250MHz Straddle 5.25-5.35GHz\_TnomVnom

27/02/2022



**Summary**

| Mode                            | PD<br>(dBm/RBW) |
|---------------------------------|-----------------|
| 5.15-5.25GHz                    | -               |
| 802.11a_Nss1,(6Mbps)_4TX        | 13.93           |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 13.96           |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 12.12           |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 1.52            |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | -1.13           |
| 5.25-5.35GHz                    | -               |
| 802.11a_Nss1,(6Mbps)_4TX        | 7.97            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 8.08            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 8.19            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 4.46            |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | -1.11           |
| 5.47-5.725GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_4TX        | 8.01            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 7.95            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 7.64            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 5.09            |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | 1.98            |
| 5.725-5.85GHz                   | -               |
| 802.11a_Nss1,(6Mbps)_4TX        | 15.34           |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | 15.05           |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | 12.78           |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | 5.79            |

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) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|---------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_4TX        | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                         | Pass   | 8.76        | 8.23                | 8.01                | 7.75                | 8.34                | 13.93           | 14.24                 |
| 5200MHz                         | Pass   | 8.76        | 7.40                | 8.08                | 8.06                | 8.39                | 13.83           | 14.24                 |
| 5240MHz                         | Pass   | 8.76        | 8.24                | 8.56                | 7.67                | 7.45                | 13.88           | 14.24                 |
| 5260MHz                         | Pass   | 8.76        | 2.12                | 2.42                | 1.51                | 1.65                | 7.83            | 8.24                  |
| 5300MHz                         | Pass   | 8.76        | 2.04                | 2.41                | 1.51                | 1.87                | 7.82            | 8.24                  |
| 5320MHz                         | Pass   | 8.76        | 1.71                | 2.68                | 2.08                | 1.94                | 7.97            | 8.24                  |
| 5500MHz                         | Pass   | 8.76        | 2.60                | 2.15                | 2.25                | 1.28                | 7.98            | 8.24                  |
| 5580MHz                         | Pass   | 8.76        | 3.02                | 1.67                | 1.91                | 2.02                | 8.01            | 8.24                  |
| 5700MHz                         | Pass   | 8.76        | -1.09               | -1.51               | -1.80               | -1.56               | 4.34            | 8.24                  |
| 5745MHz                         | Pass   | 8.76        | 9.13                | 9.80                | 9.74                | 9.41                | 15.13           | 27.24                 |
| 5785MHz                         | Pass   | 8.76        | 9.80                | 9.65                | 9.21                | 9.42                | 15.34           | 27.24                 |
| 5825MHz                         | Pass   | 8.76        | 9.36                | 10.20               | 9.63                | 9.16                | 15.25           | 27.24                 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                         | Pass   | 8.76        | 5.88                | 6.20                | 5.87                | 6.54                | 11.98           | 14.24                 |
| 5200MHz                         | Pass   | 8.76        | 8.07                | 8.33                | 7.36                | 7.98                | 13.89           | 14.24                 |
| 5240MHz                         | Pass   | 8.76        | 8.14                | 8.80                | 7.97                | 7.69                | 13.96           | 14.24                 |
| 5260MHz                         | Pass   | 8.76        | 2.43                | 0.92                | 1.58                | 2.71                | 7.87            | 8.24                  |
| 5300MHz                         | Pass   | 8.76        | 2.26                | 2.64                | 1.69                | 2.54                | 8.08            | 8.24                  |
| 5320MHz                         | Pass   | 8.76        | 2.02                | 2.93                | 1.57                | 1.23                | 7.98            | 8.24                  |
| 5500MHz                         | Pass   | 8.76        | 2.35                | 2.07                | 1.78                | 1.94                | 7.85            | 8.24                  |
| 5580MHz                         | Pass   | 8.76        | 2.67                | 1.66                | 1.01                | 2.78                | 7.95            | 8.24                  |
| 5700MHz                         | Pass   | 8.76        | 2.08                | 2.13                | 1.57                | 1.98                | 7.81            | 8.24                  |
| 5745MHz                         | Pass   | 8.76        | 9.40                | 9.81                | 9.49                | 8.99                | 14.94           | 27.24                 |
| 5785MHz                         | Pass   | 8.76        | 9.60                | 9.08                | 8.88                | 8.84                | 14.89           | 27.24                 |
| 5825MHz                         | Pass   | 8.76        | 9.39                | 10.15               | 8.91                | 8.89                | 15.05           | 27.24                 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX  | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                         | Pass   | 8.76        | -0.27               | 0.00                | -0.56               | 0.00                | 5.76            | 14.24                 |
| 5230MHz                         | Pass   | 8.76        | 5.69                | 6.06                | 6.31                | 6.56                | 12.12           | 14.24                 |
| 5270MHz                         | Pass   | 8.76        | 1.83                | 1.59                | 1.34                | 1.69                | 7.41            | 8.24                  |
| 5310MHz                         | Pass   | 8.76        | 1.90                | 2.40                | 1.90                | 2.55                | 8.19            | 8.24                  |
| 5510MHz                         | Pass   | 8.76        | 1.37                | 0.91                | 1.45                | 1.49                | 7.17            | 8.24                  |
| 5550MHz                         | Pass   | 8.76        | 2.44                | 1.78                | 1.50                | 1.24                | 7.64            | 8.24                  |
| 5670MHz                         | Pass   | 8.76        | 1.66                | 1.52                | 1.41                | 1.81                | 7.37            | 8.24                  |
| 5755MHz                         | Pass   | 8.76        | 6.88                | 7.57                | 7.40                | 6.21                | 12.78           | 27.24                 |
| 5795MHz                         | Pass   | 8.76        | 7.02                | 6.99                | 7.26                | 6.32                | 12.75           | 27.24                 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX  | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                         | Pass   | 8.76        | -4.33               | -4.36               | -4.62               | -3.98               | 1.52            | 14.24                 |
| 5290MHz                         | Pass   | 8.76        | -1.36               | -1.33               | -2.13               | -1.25               | 4.46            | 8.24                  |
| 5530MHz                         | Pass   | 8.76        | -0.91               | -0.74               | -0.80               | -1.01               | 5.09            | 8.24                  |
| 5610MHz                         | Pass   | 8.76        | -0.86               | -0.70               | -0.87               | -1.60               | 4.96            | 8.24                  |
| 5775MHz                         | Pass   | 8.76        | -0.22               | 0.06                | 0.16                | -0.02               | 5.79            | 27.24                 |
| 802.11ax HEW160_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | 8.76        | -7.23               | -6.75               | -7.34               | -6.75               | -1.13           | 14.24                 |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | 8.76        | -6.86               | -6.84               | -7.25               | -6.69               | -1.11           | 8.24                  |
| 5570MHz                         | Pass   | 8.76        | -4.65               | -3.54               | -3.79               | -3.92               | 1.98            | 8.24                  |

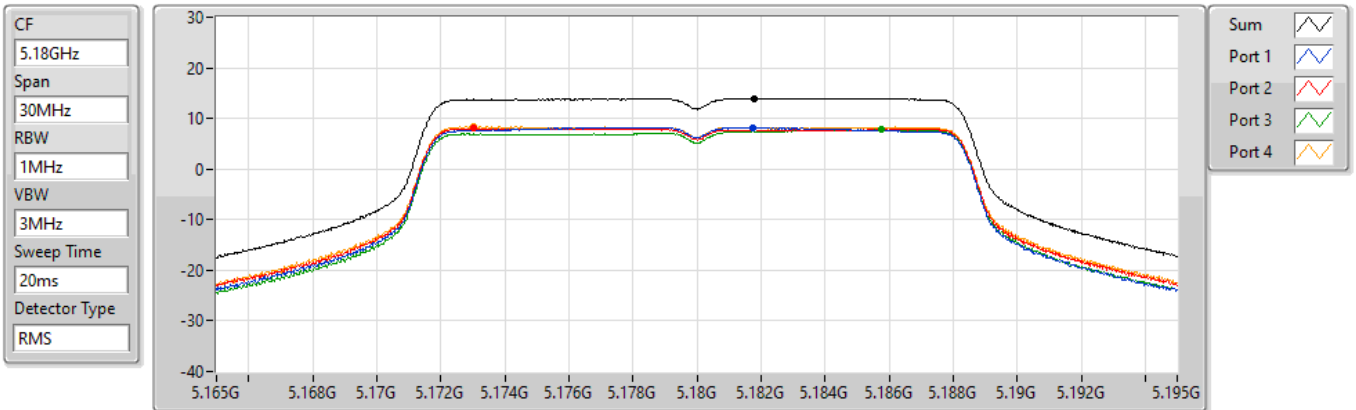
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5180MHz

16/03/2022



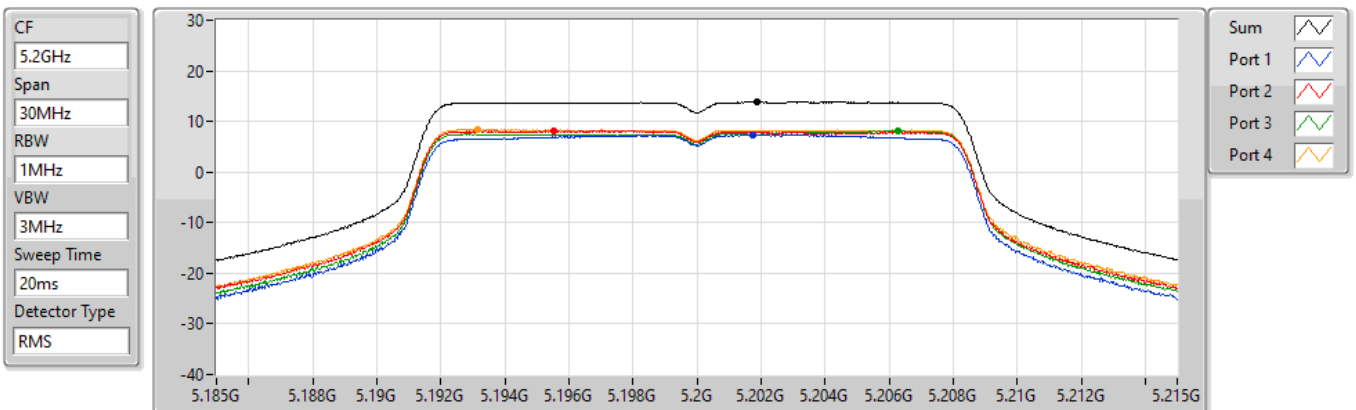
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.93     | 13.93     | 8.23      | 8.01      | 7.75      | 8.34      |

## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5200MHz

16/03/2022



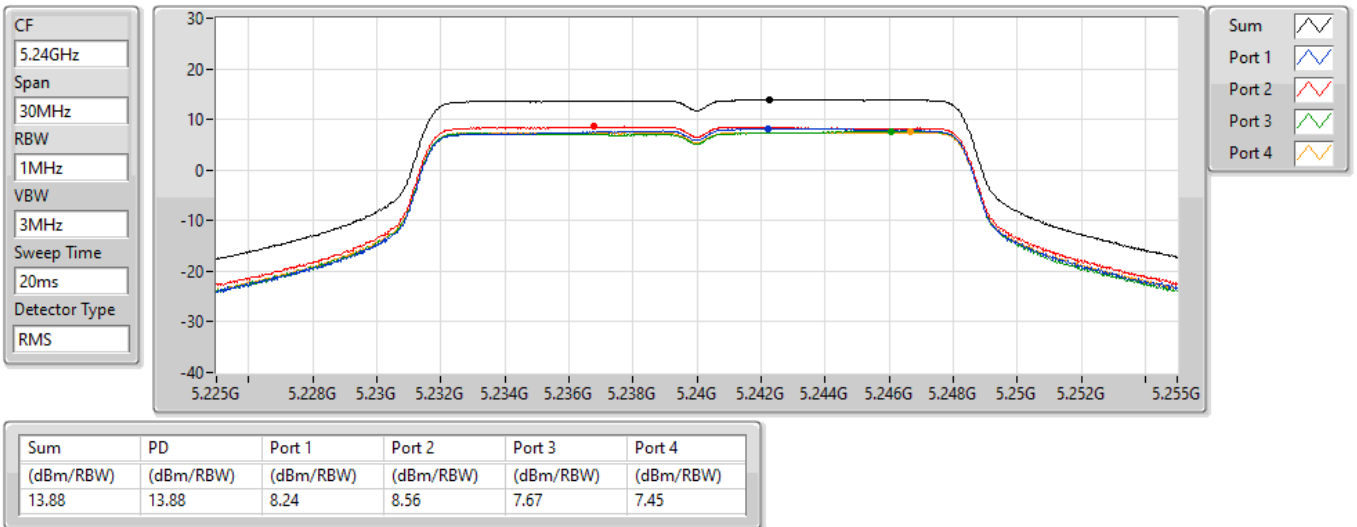
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.83     | 13.83     | 7.40      | 8.08      | 8.06      | 8.39      |

## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5240MHz

16/03/2022

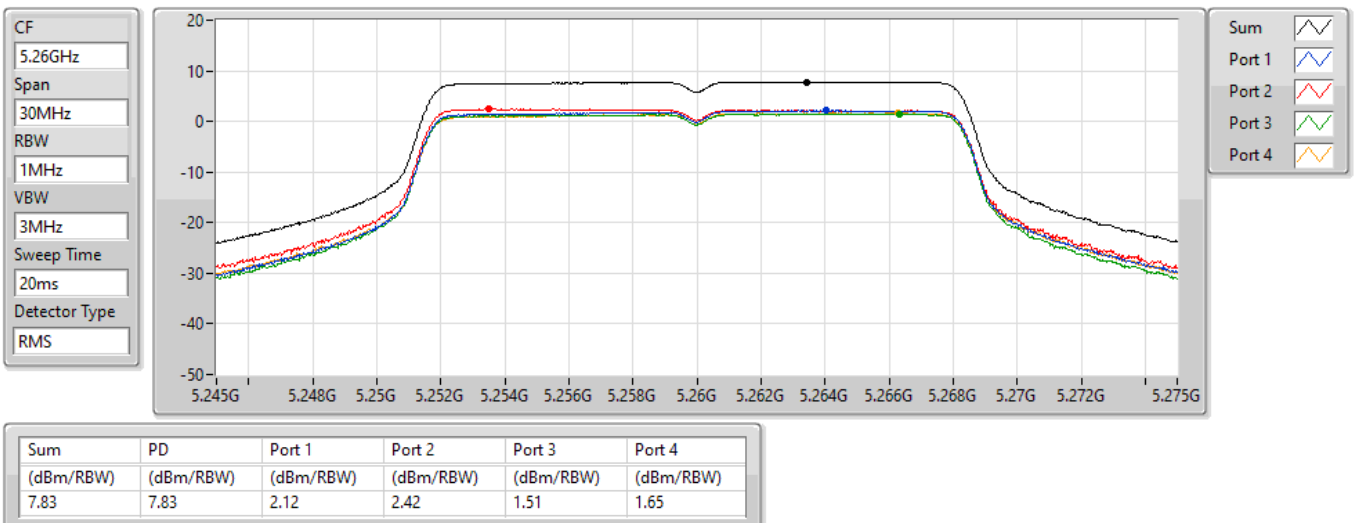


## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5260MHz

25/02/2022

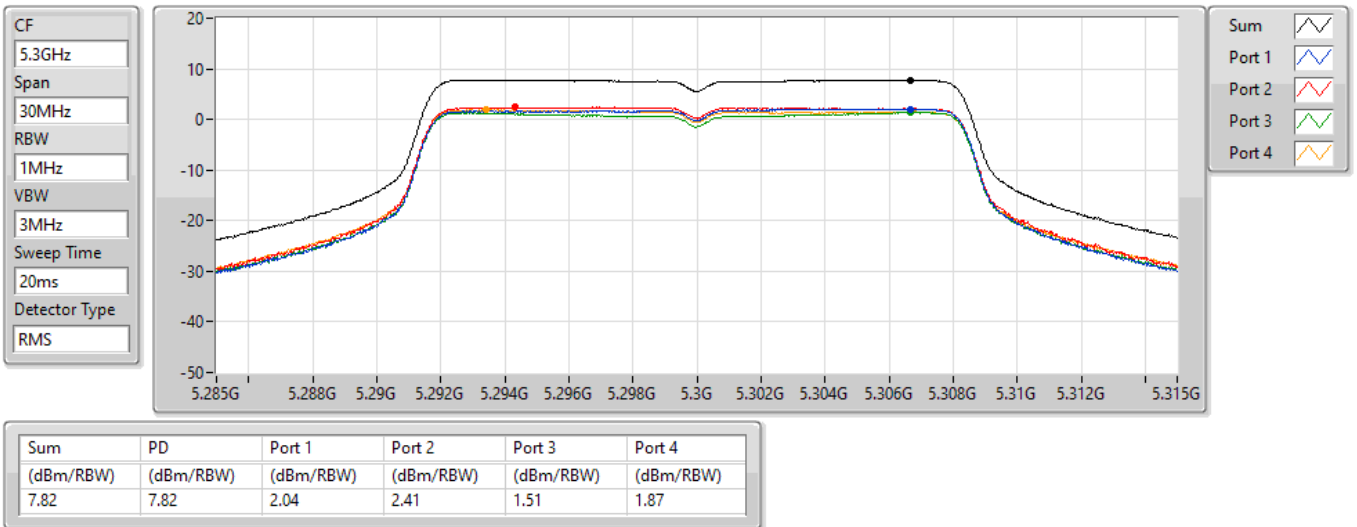


## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5300MHz

25/02/2022

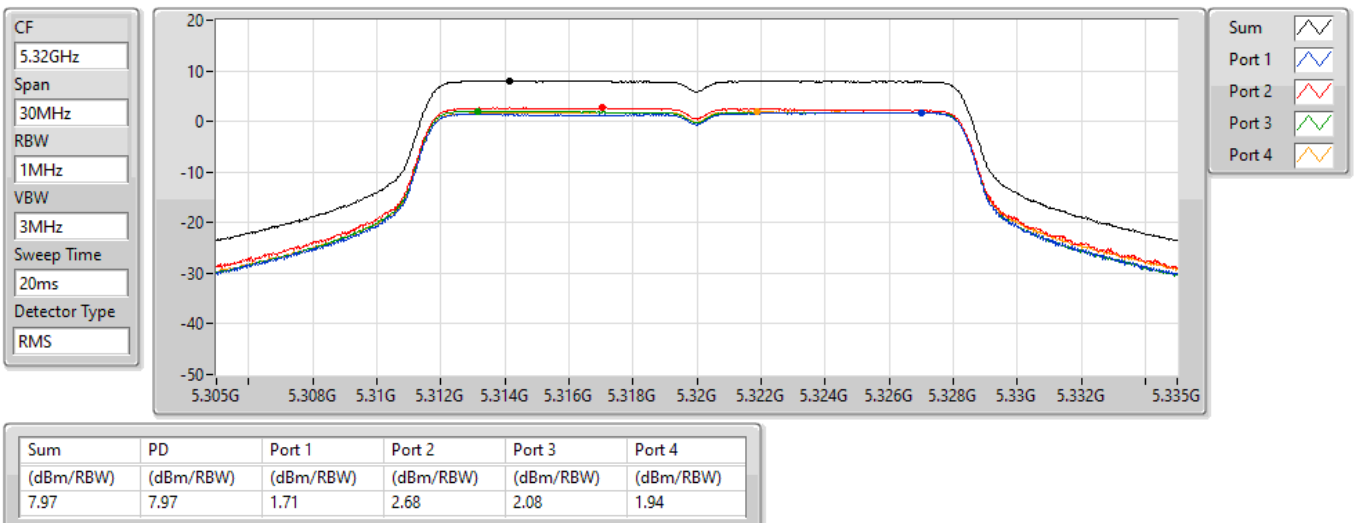


## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5320MHz

25/02/2022

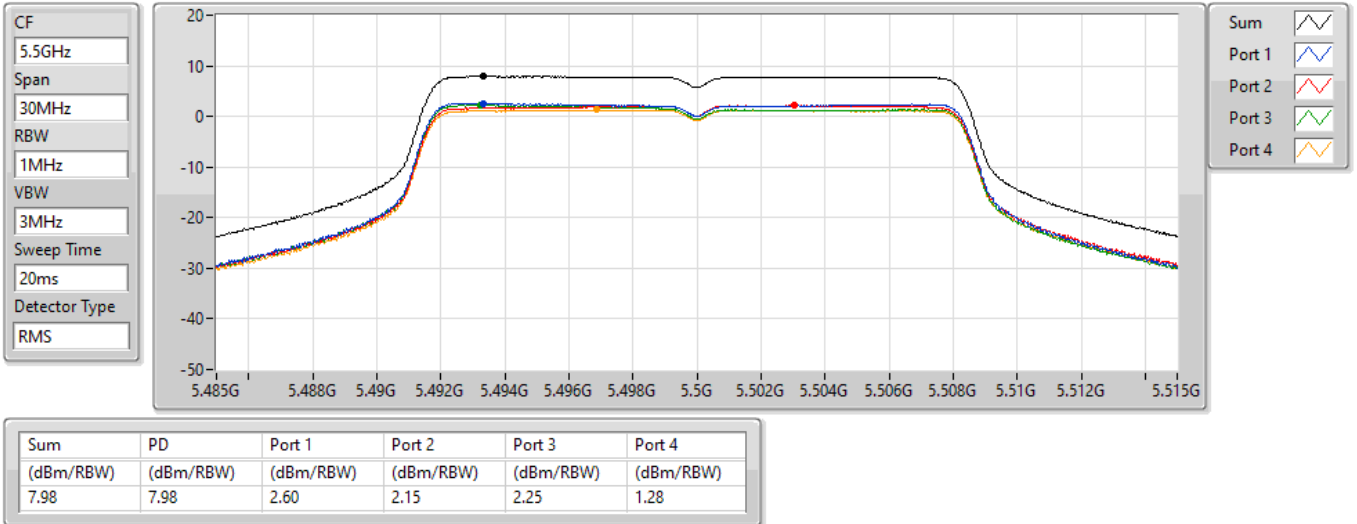


## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5500MHz

25/02/2022

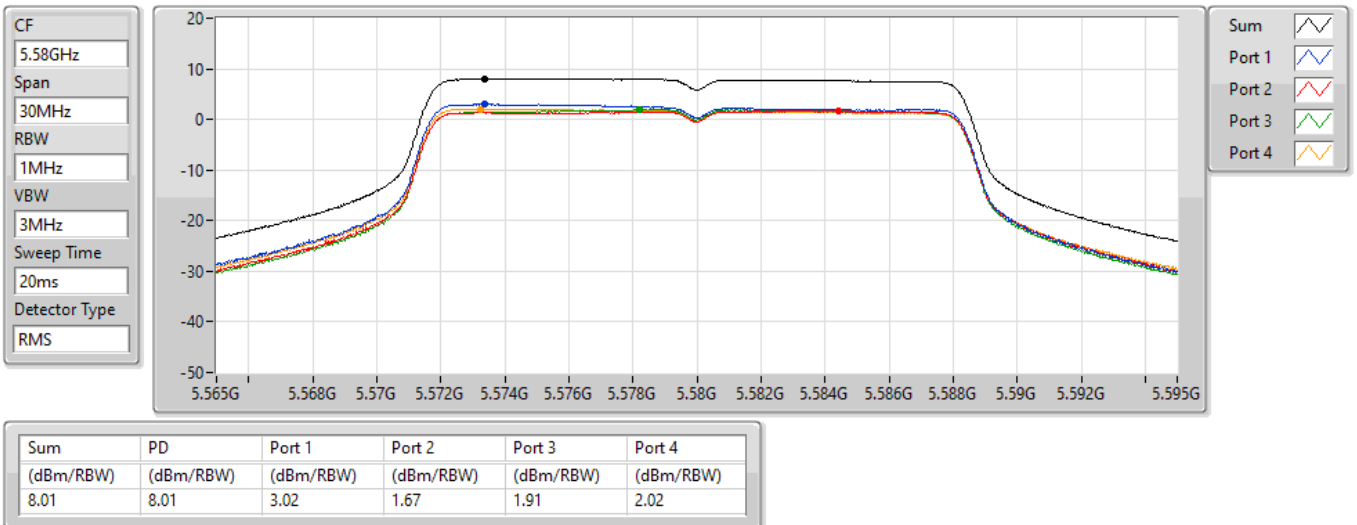


## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5580MHz

25/02/2022

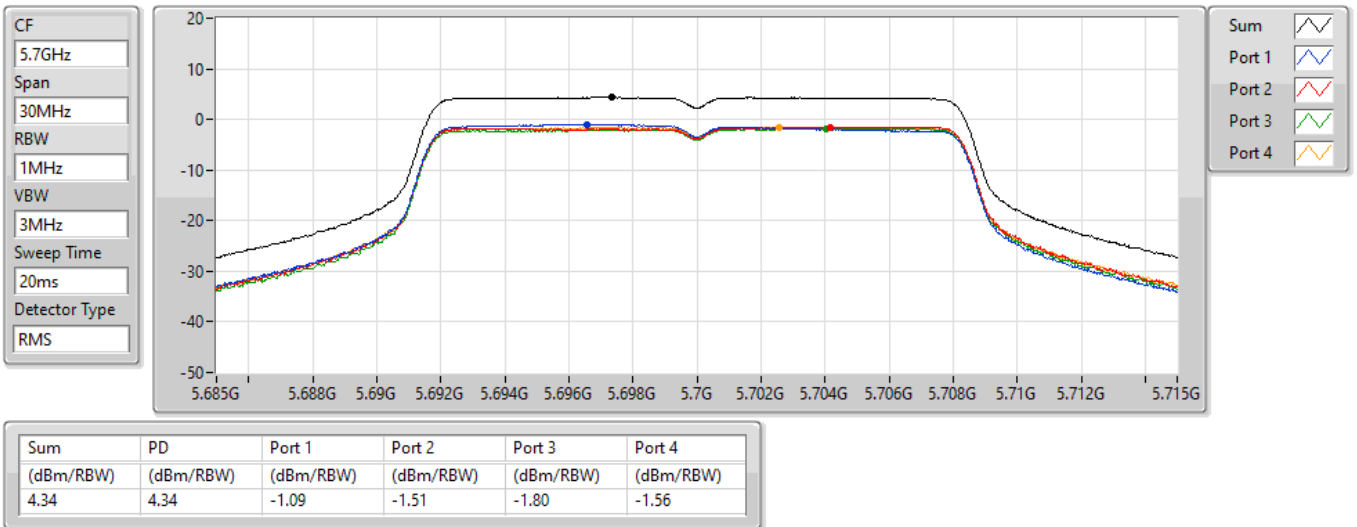


## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5700MHz

25/02/2022

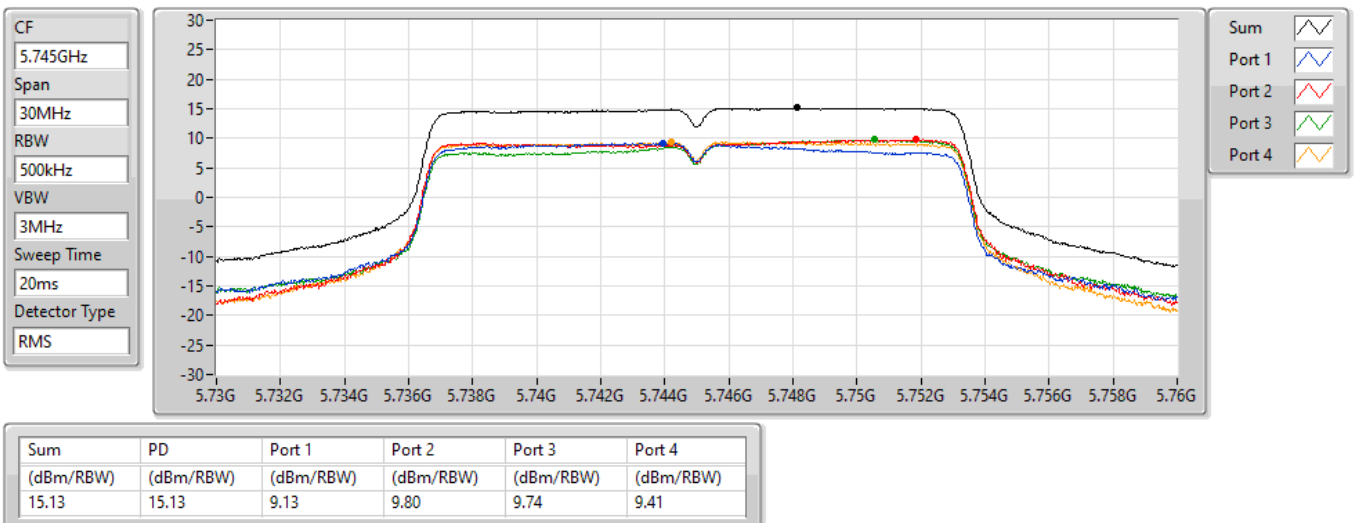


## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5745MHz

25/02/2022

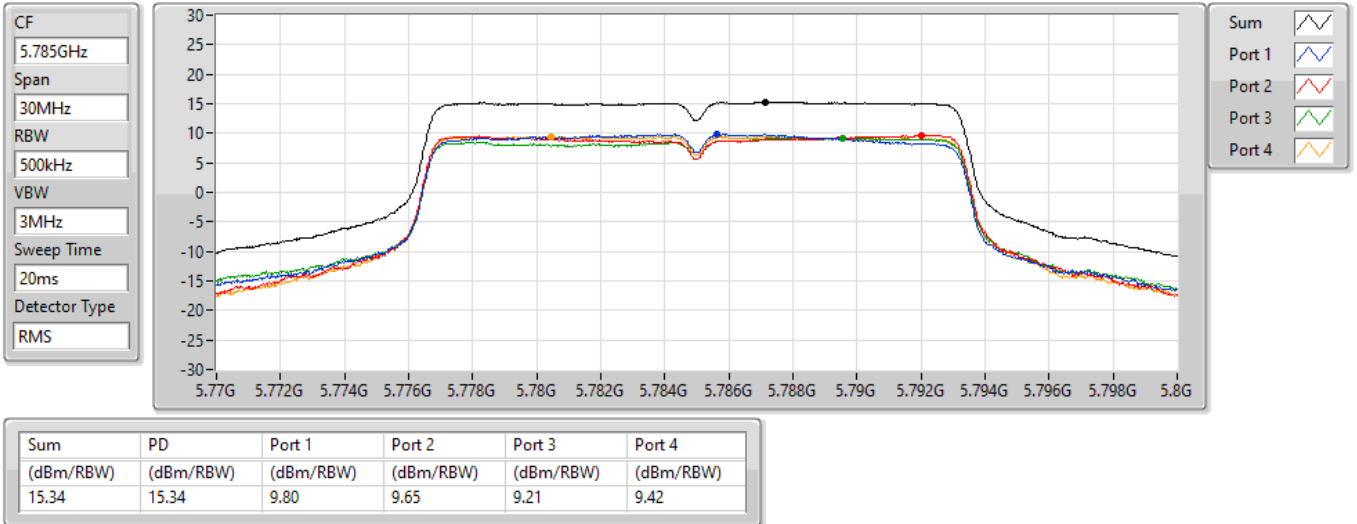


## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5785MHz

25/02/2022

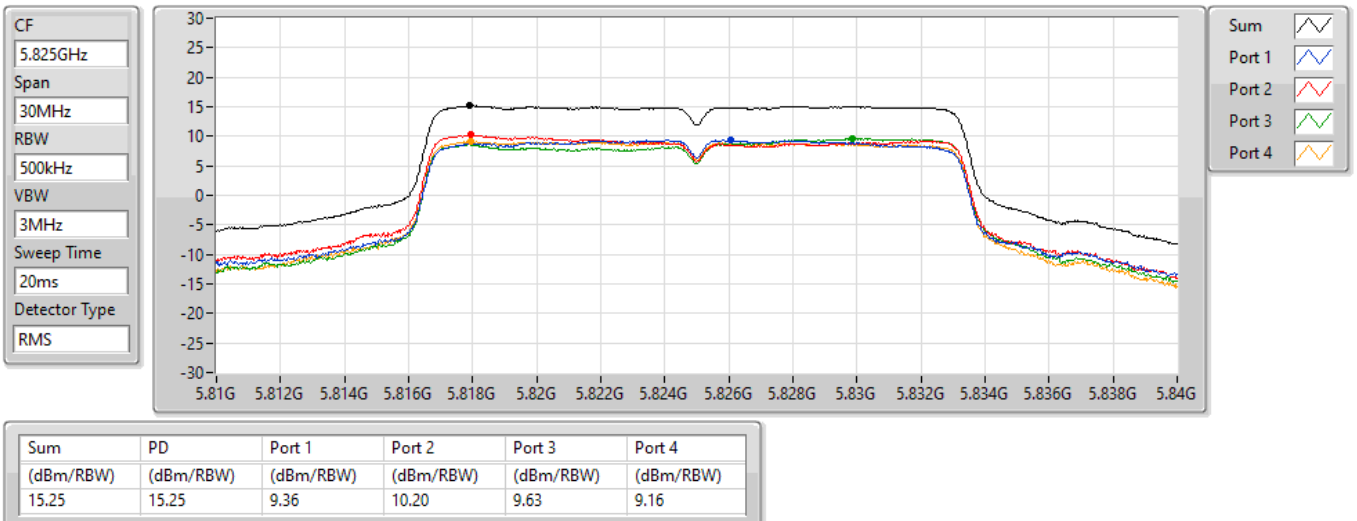


## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5825MHz

25/02/2022

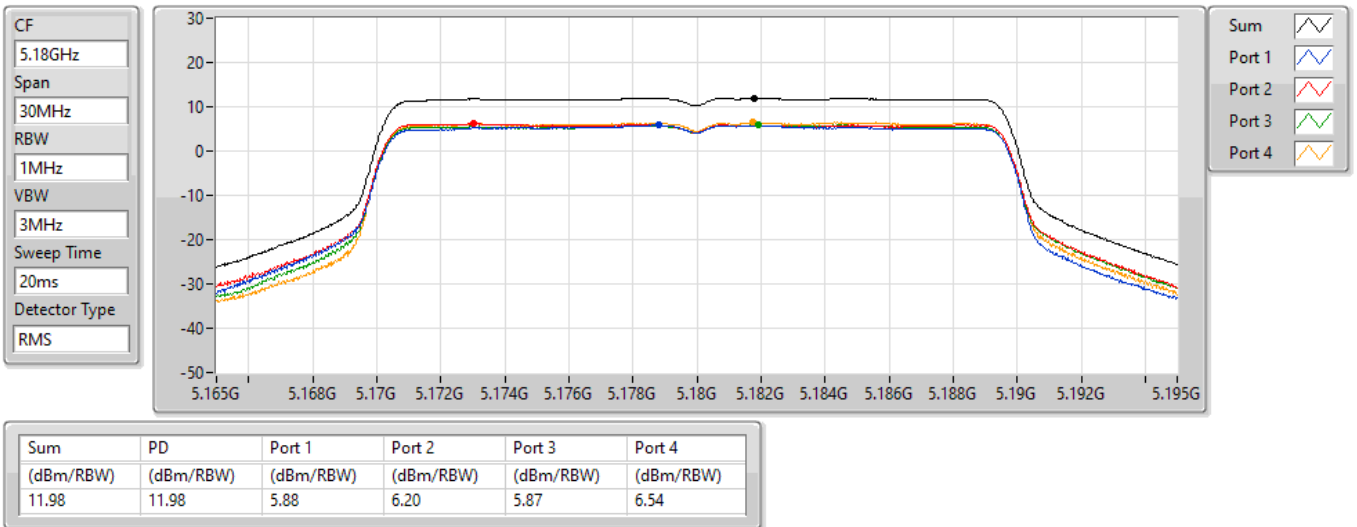


# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

5180MHz

25/02/2022

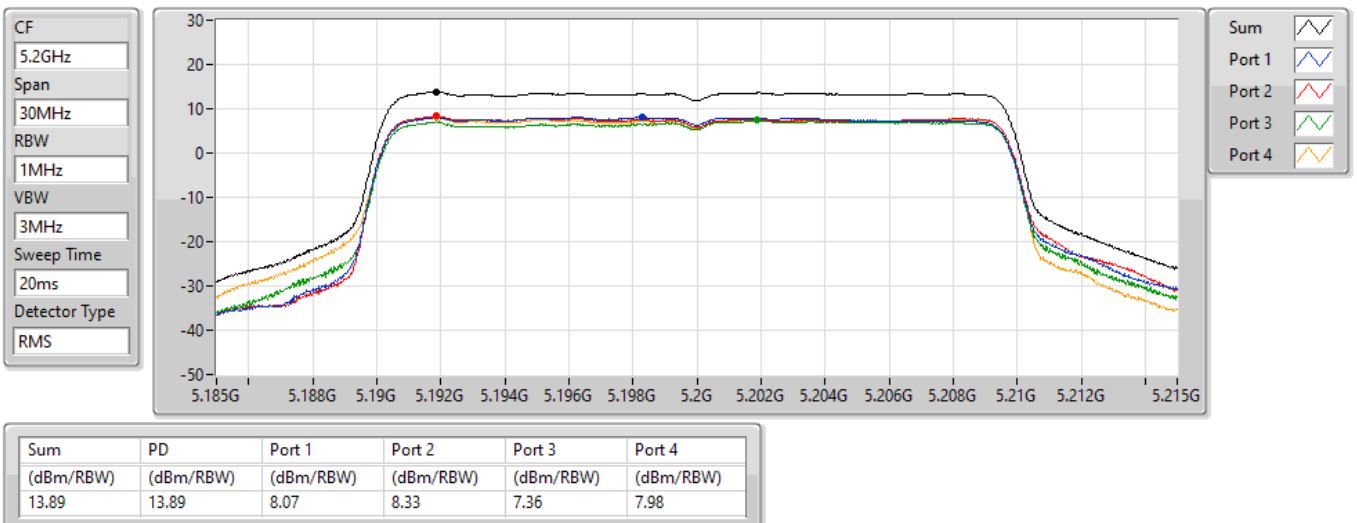


# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

5200MHz

25/02/2022

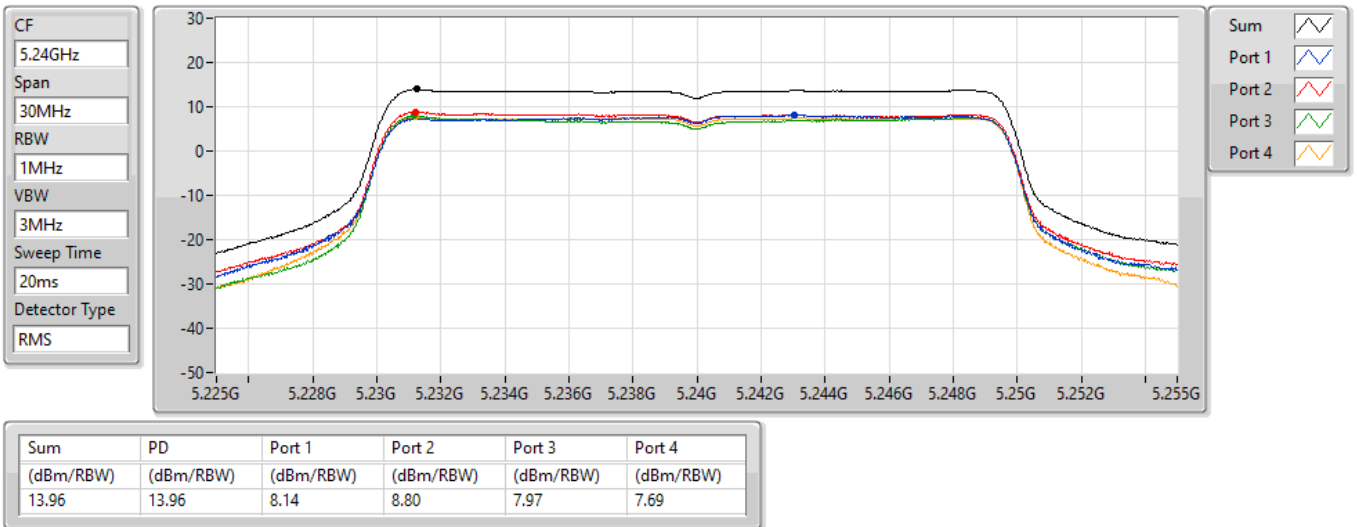


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

PSD

5240MHz

25/02/2022

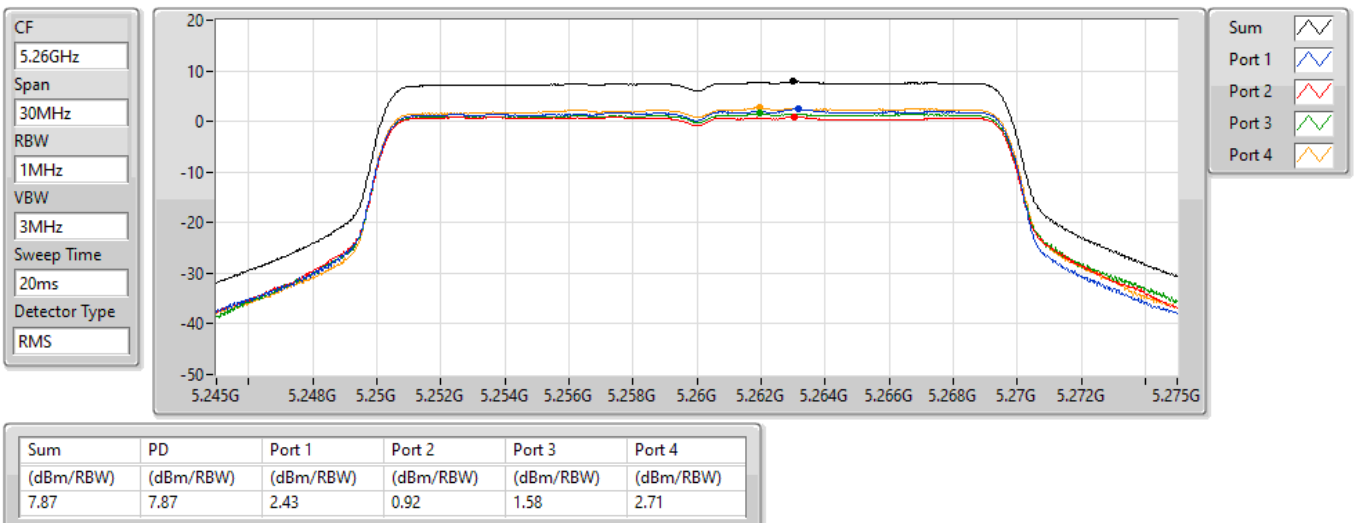


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

PSD

5260MHz

25/02/2022

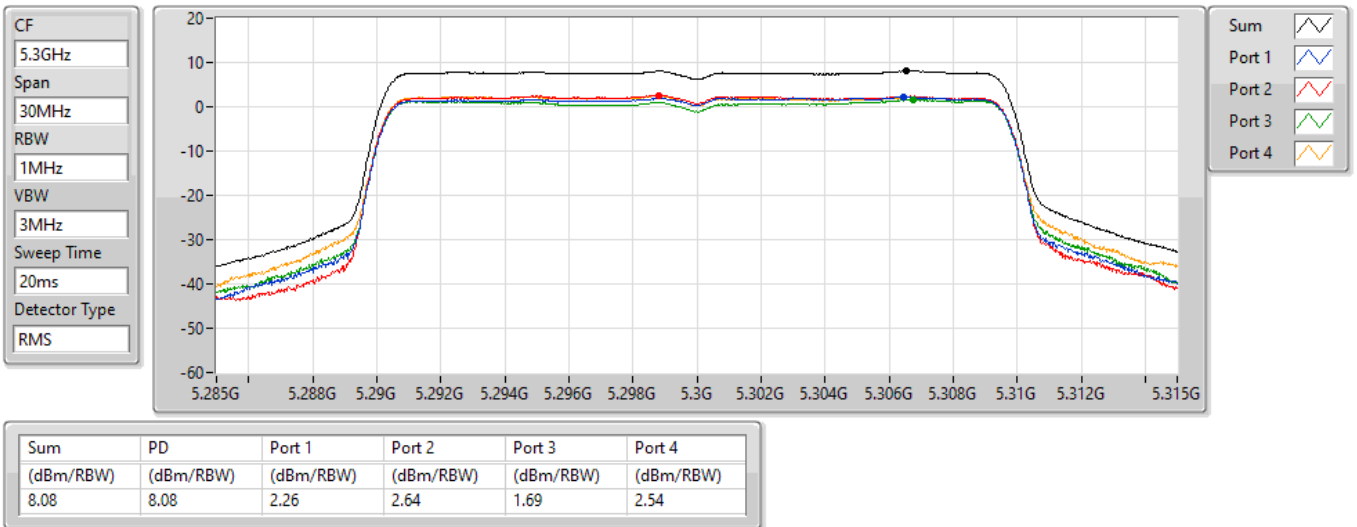


# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

5300MHz

25/02/2022

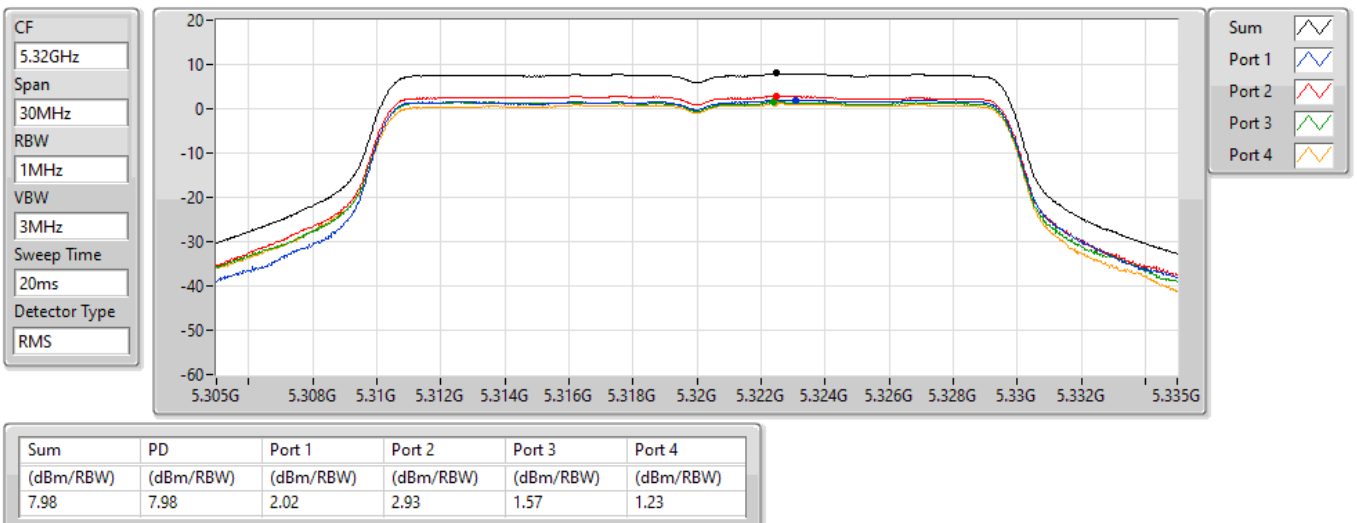


# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

5320MHz

25/02/2022

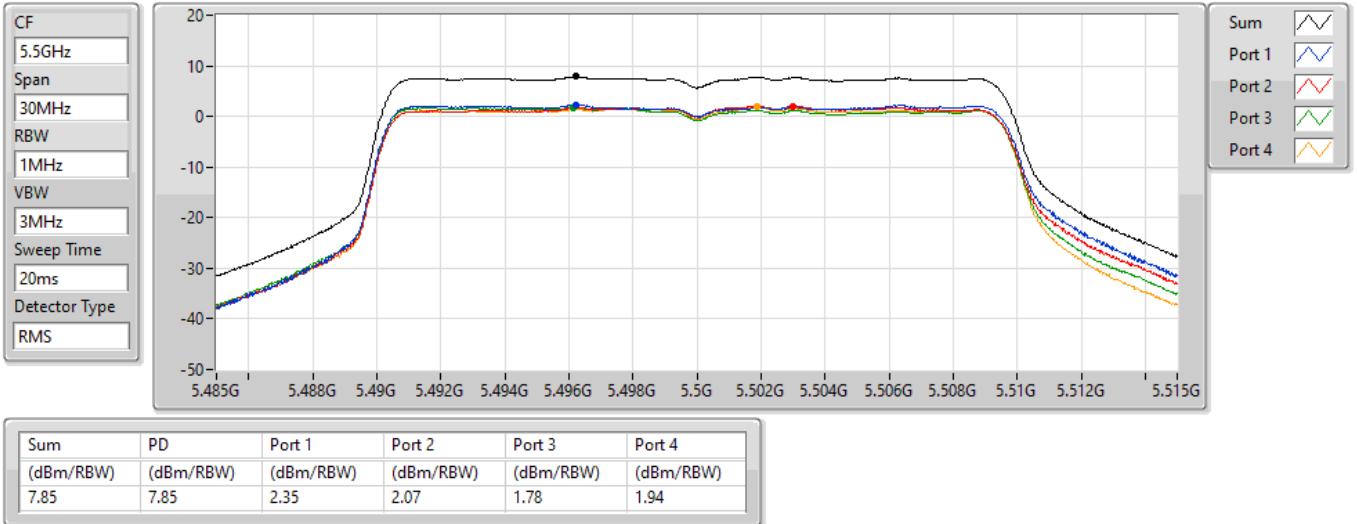


# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

5500MHz

25/02/2022

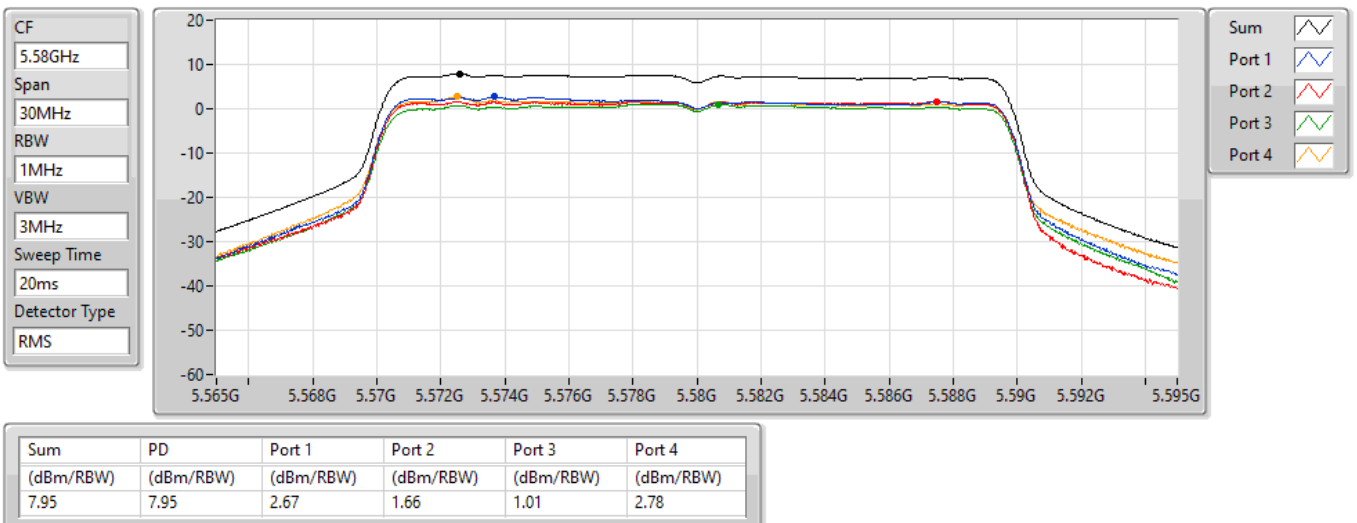


# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

5580MHz

25/02/2022

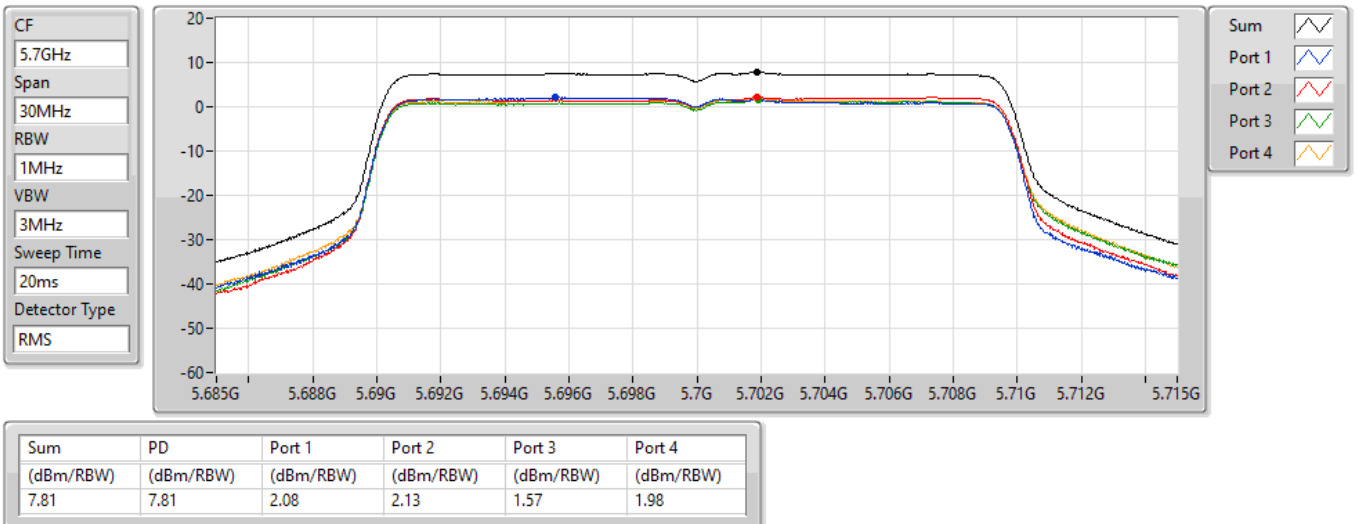


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

5700MHz

25/02/2022

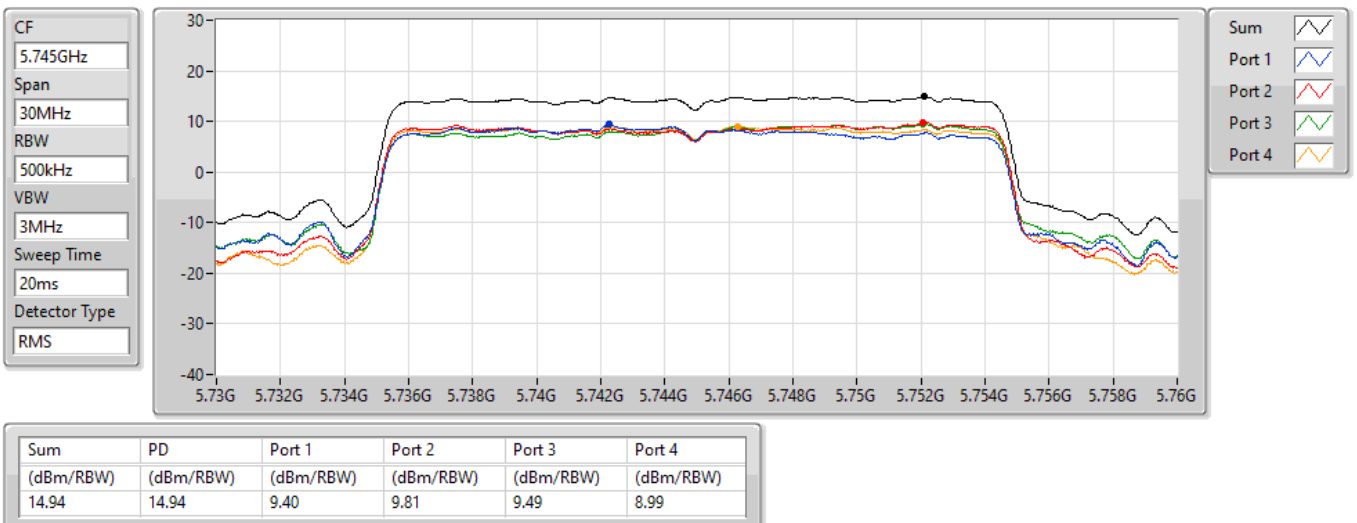


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

5745MHz

25/02/2022

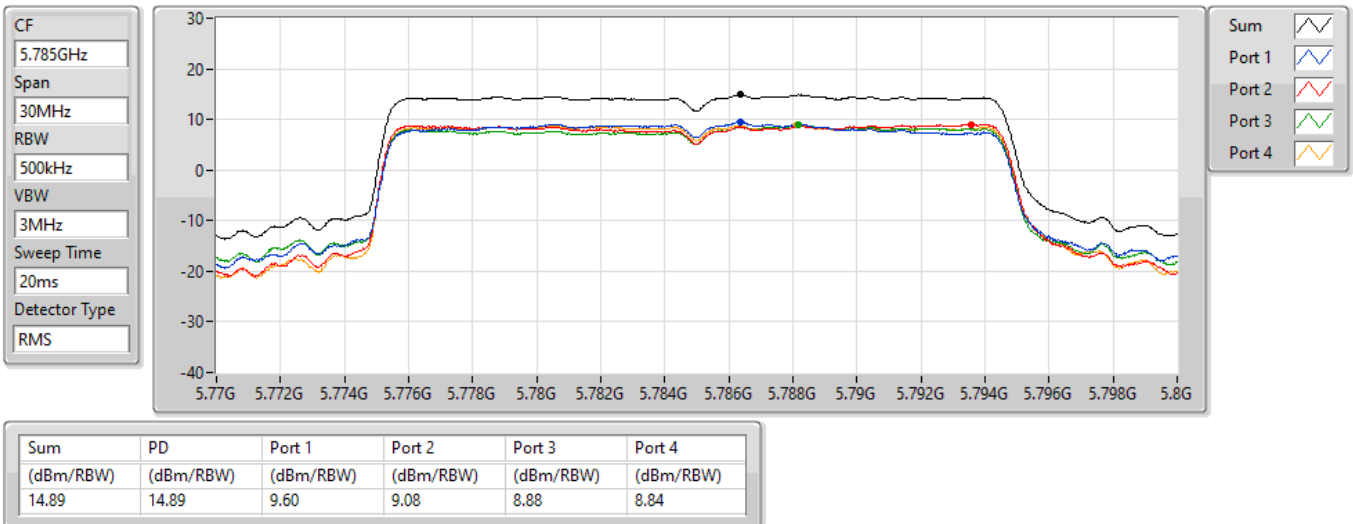


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

5785MHz

25/02/2022

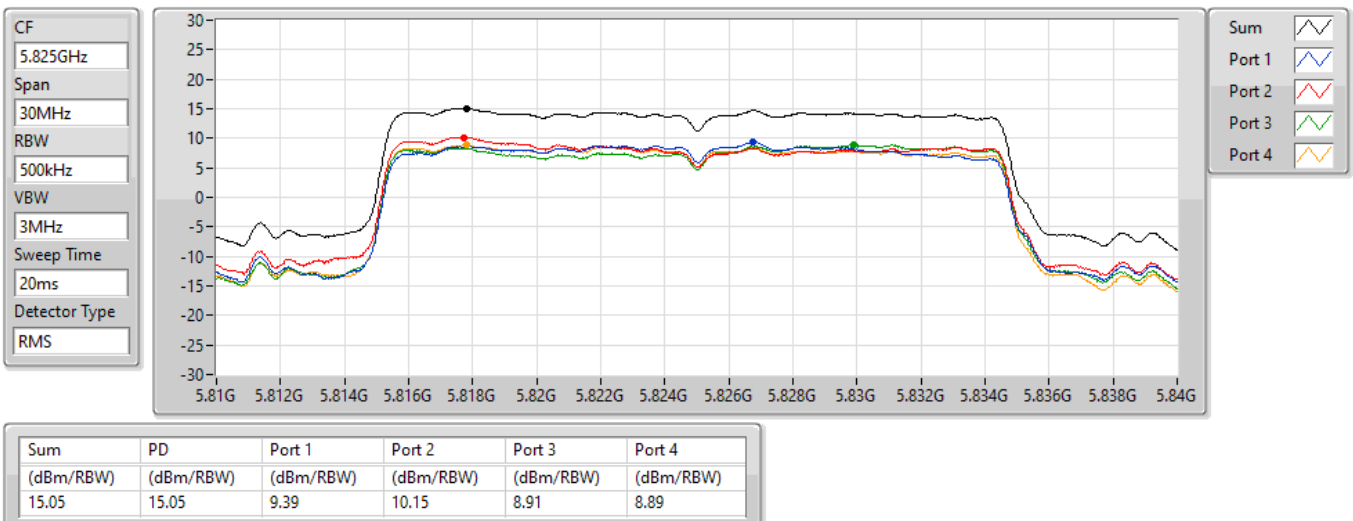


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

5825MHz

25/02/2022

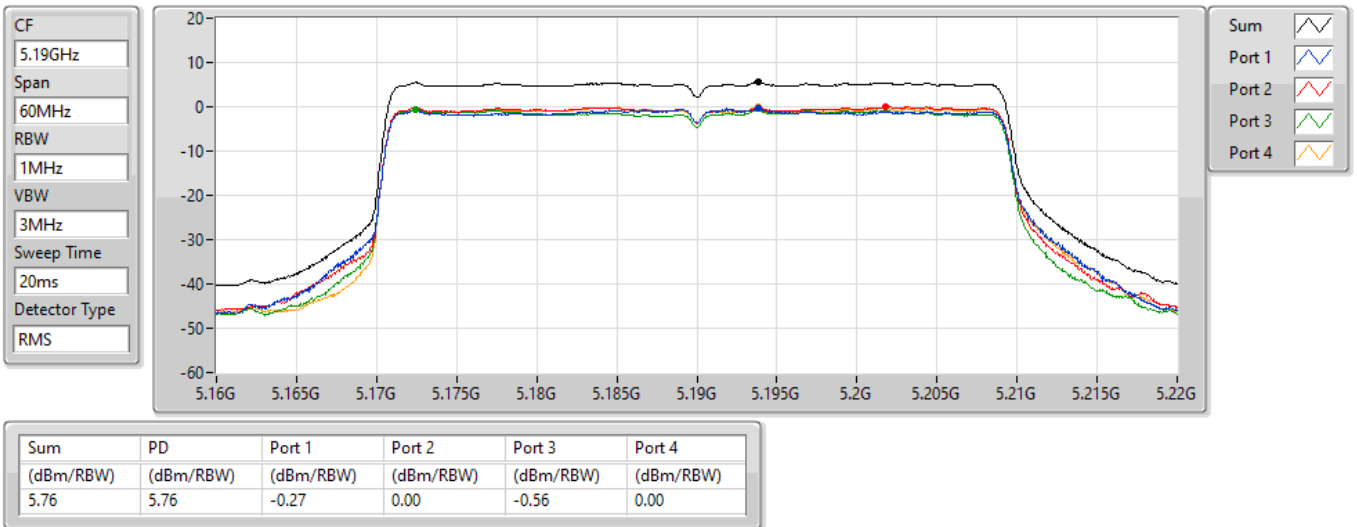


# 802.11ax HEW40\_Nss1,(MCS0)\_4TX

PSD

5190MHz

25/02/2022

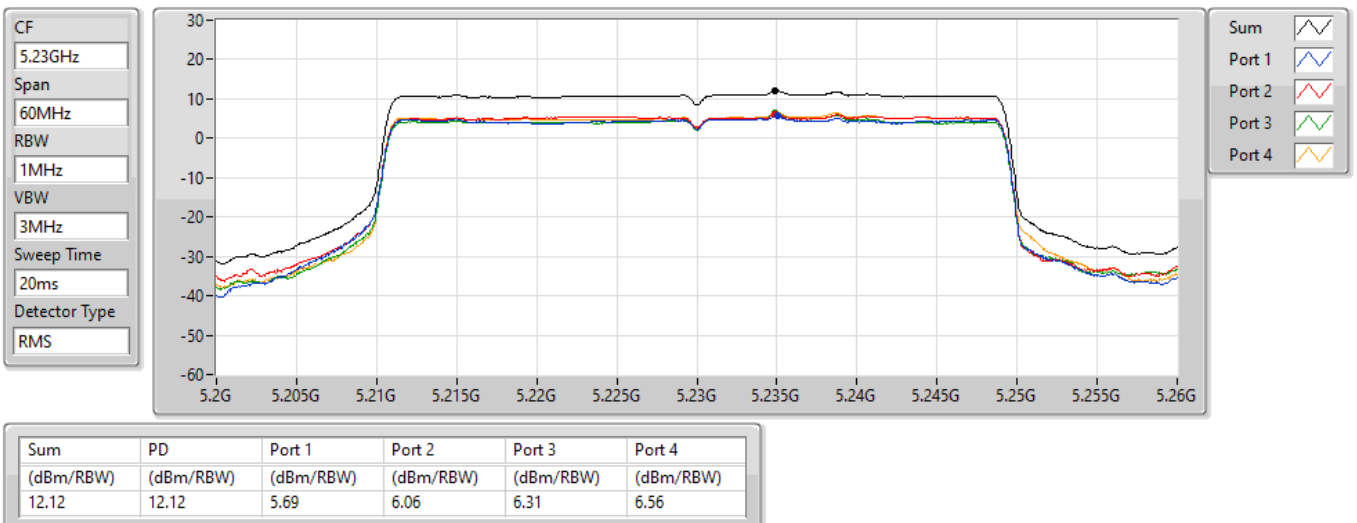


# 802.11ax HEW40\_Nss1,(MCS0)\_4TX

PSD

5230MHz

25/02/2022

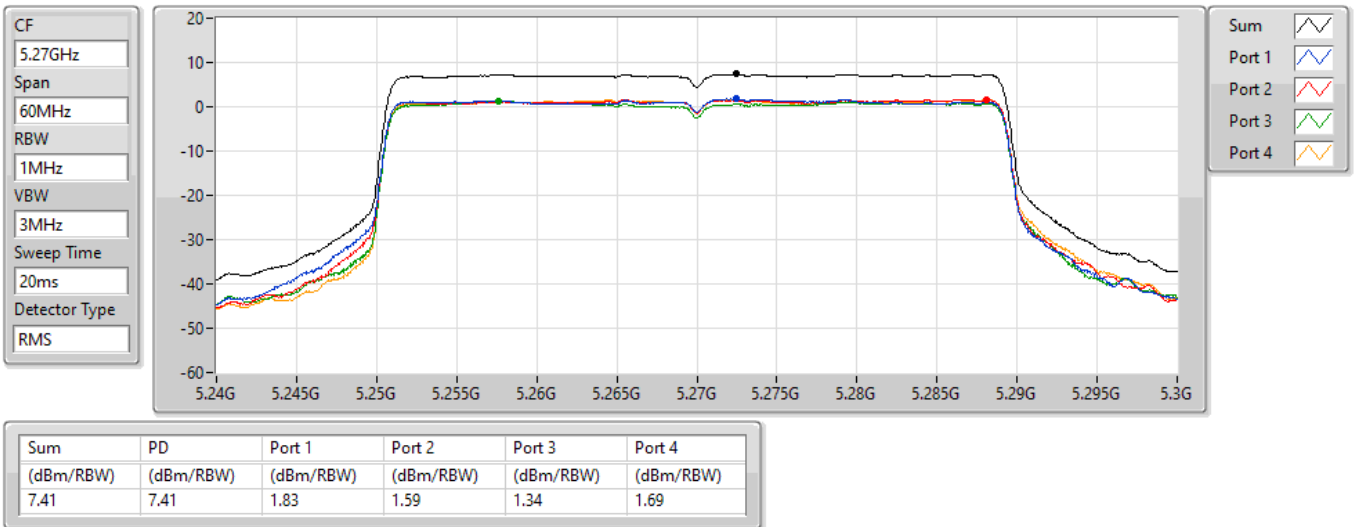


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

## PSD

5270MHz

25/02/2022

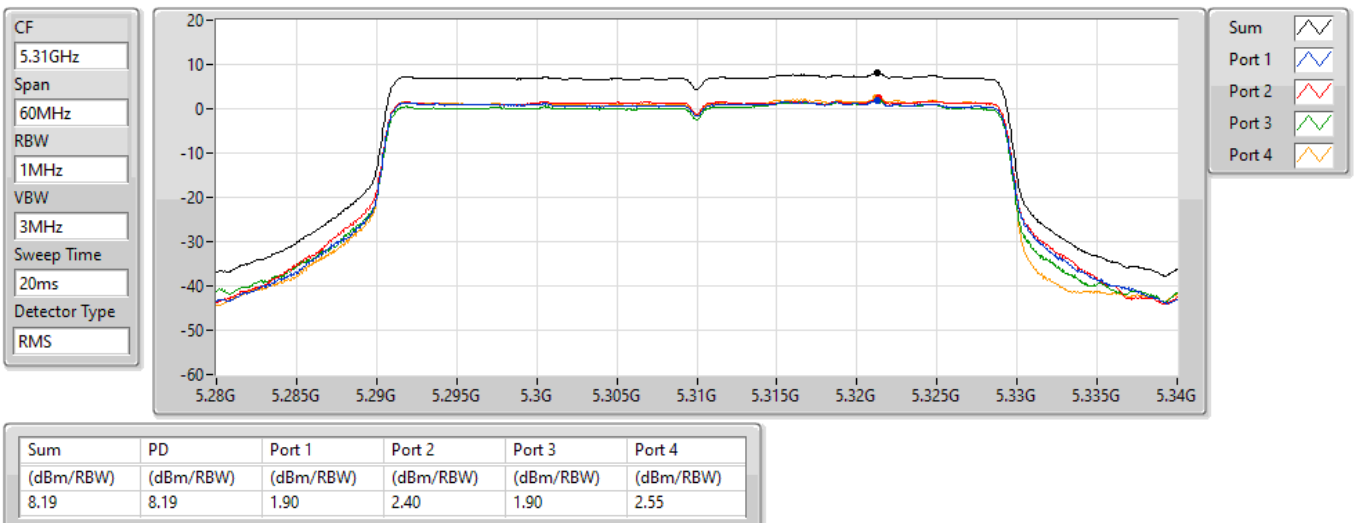


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

## PSD

5310MHz

25/02/2022

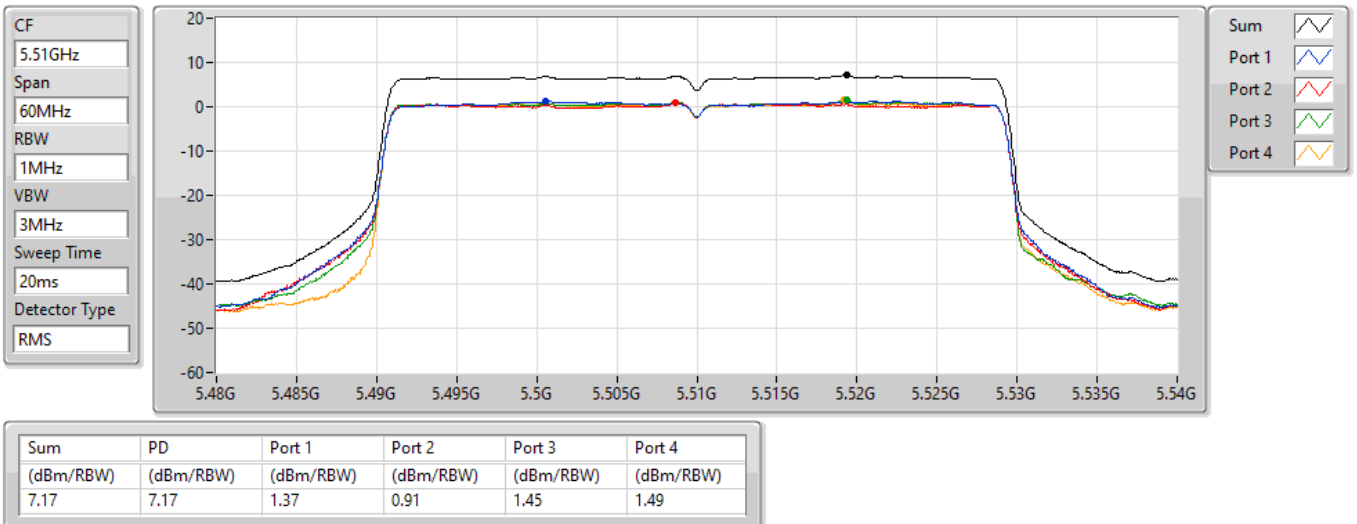


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

## PSD

5510MHz

25/02/2022

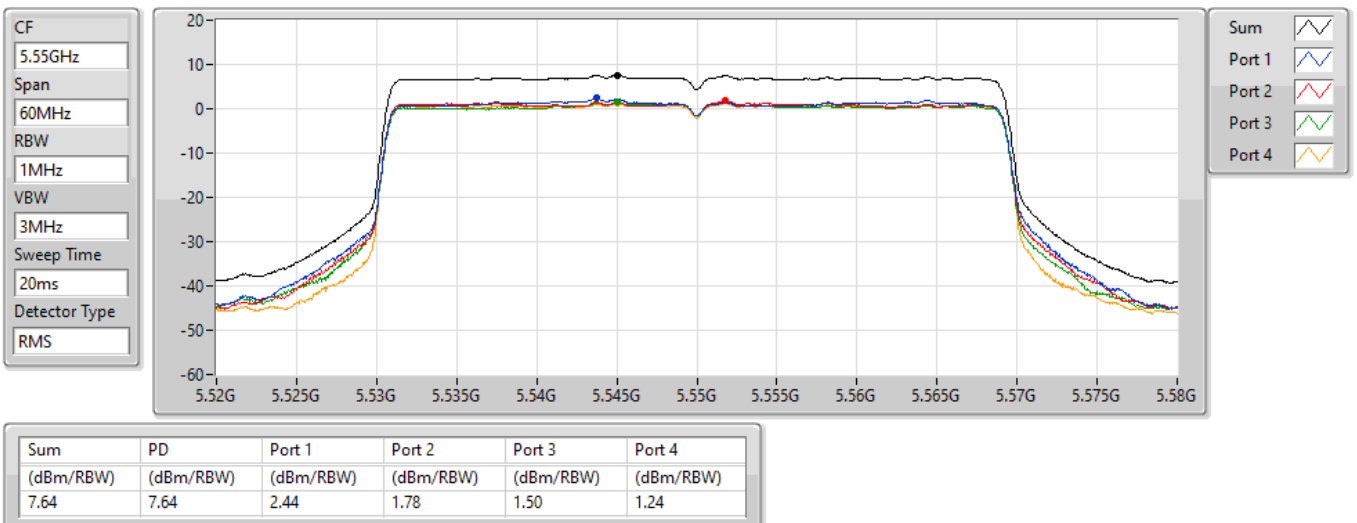


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

## PSD

5550MHz

25/02/2022

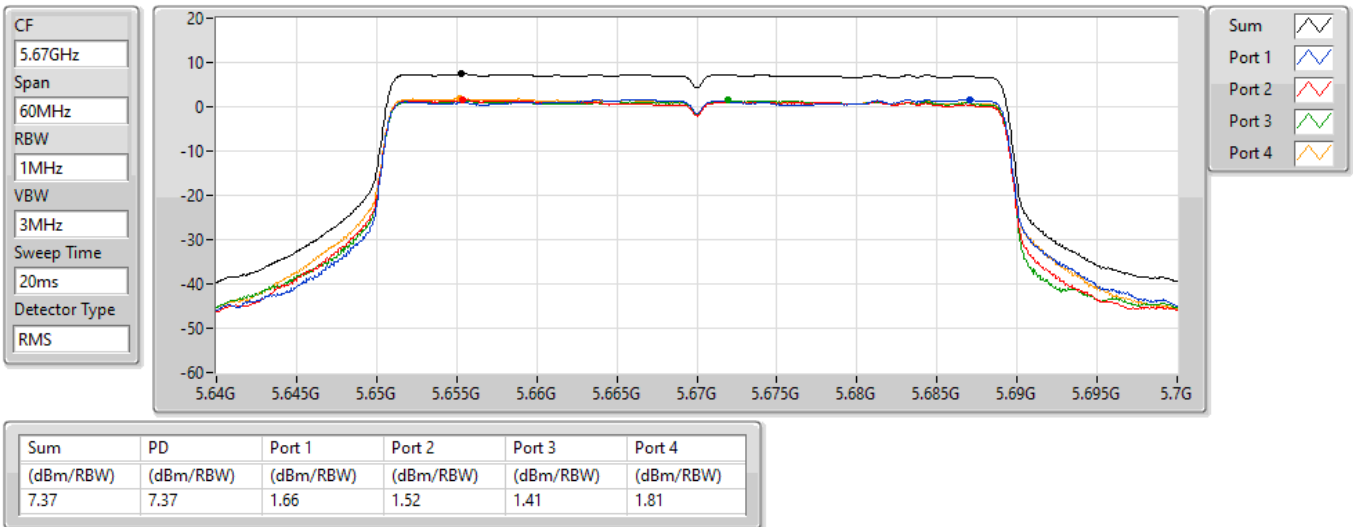


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

## PSD

5670MHz

25/02/2022

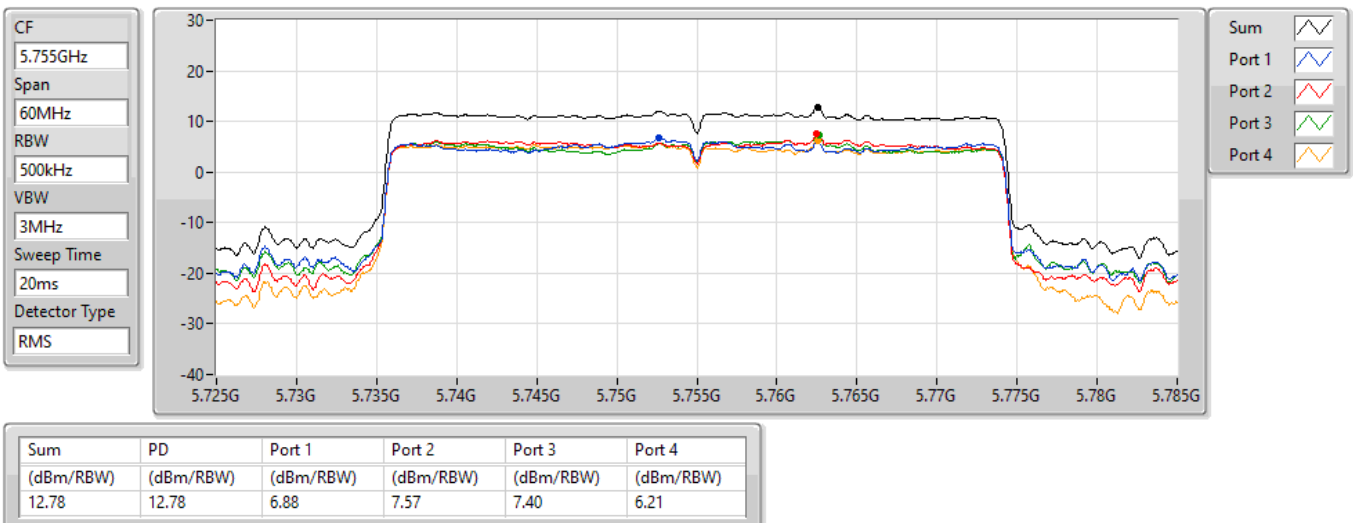


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

## PSD

5755MHz

25/02/2022

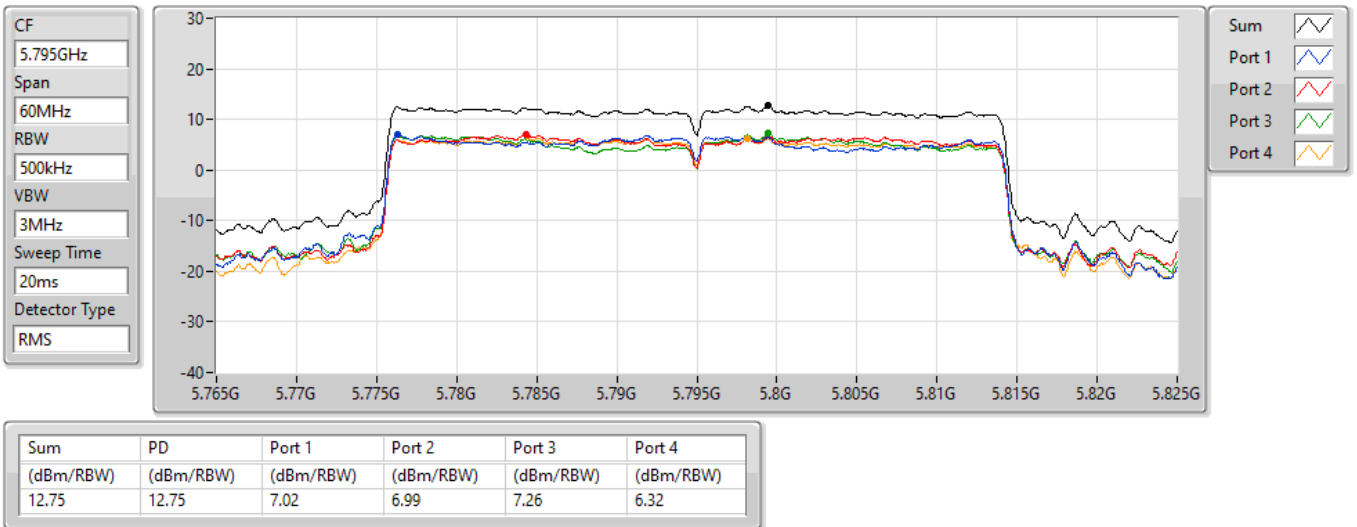


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

PSD

5795MHz

25/02/2022

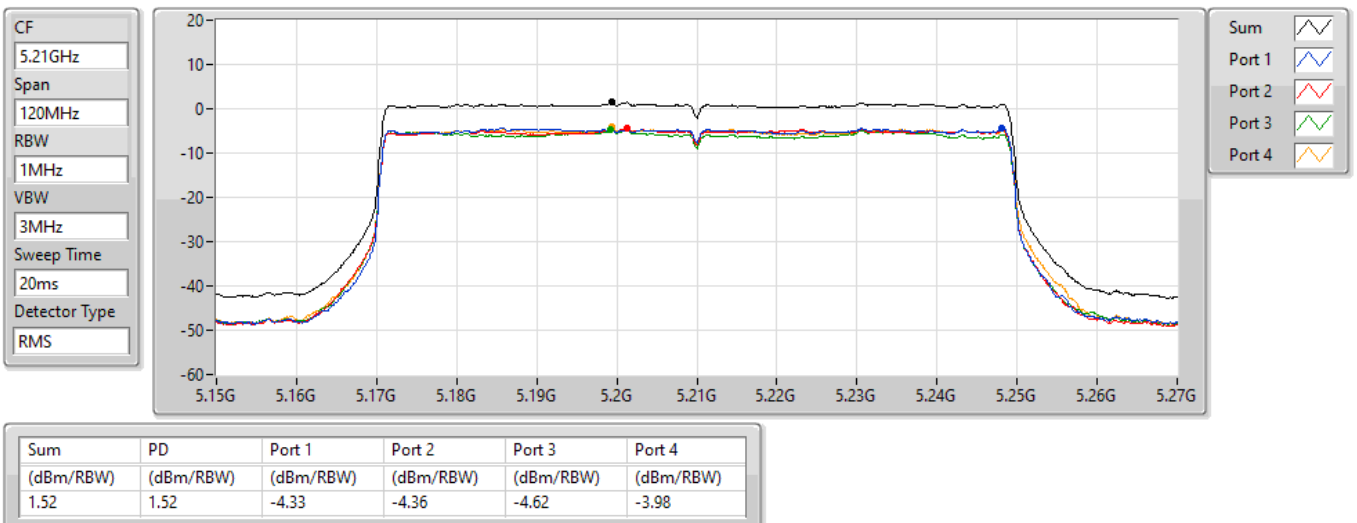


## 802.11ax HEW80\_Nss1,(MCS0)\_4TX

PSD

5210MHz

25/02/2022

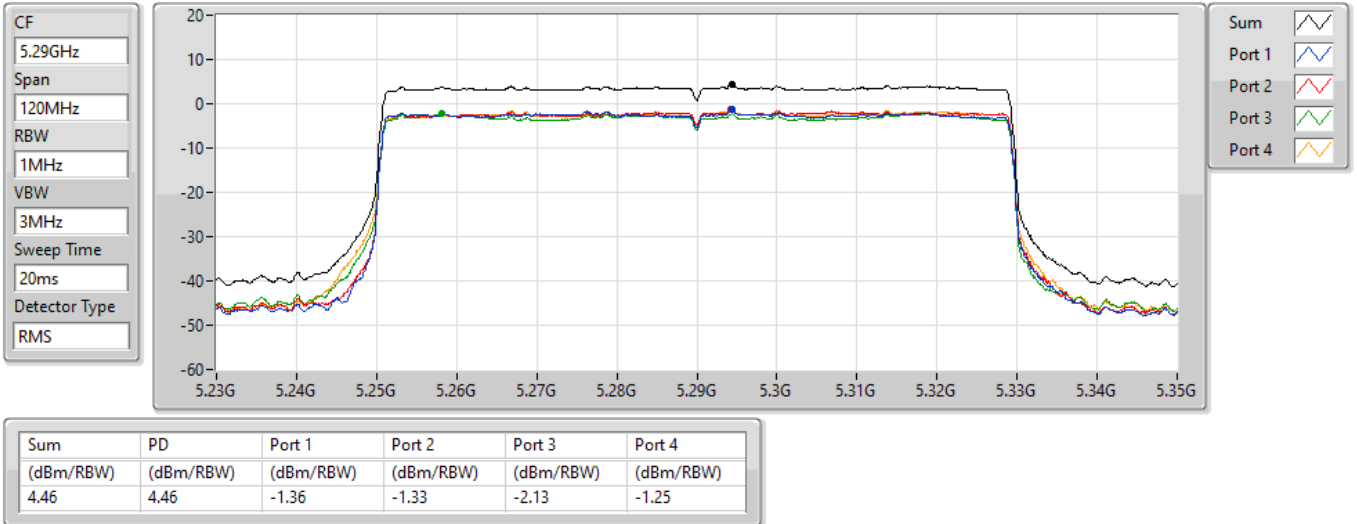


## 802.11ax HEW80\_Nss1,(MCS0)\_4TX

## PSD

5290MHz

25/02/2022

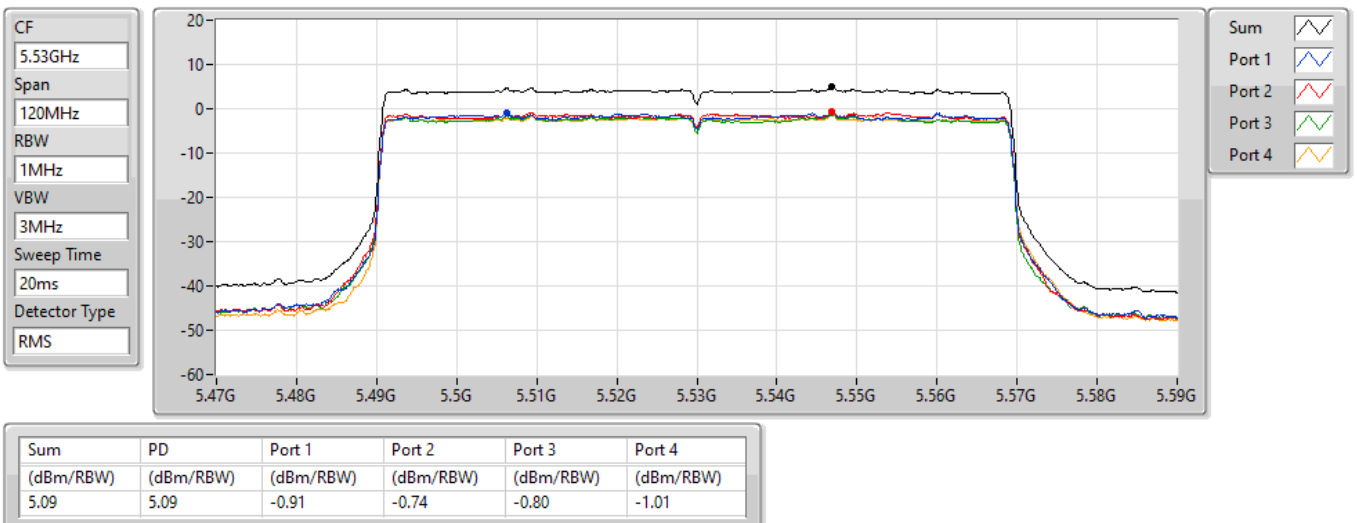


## 802.11ax HEW80\_Nss1,(MCS0)\_4TX

## PSD

5530MHz

25/02/2022

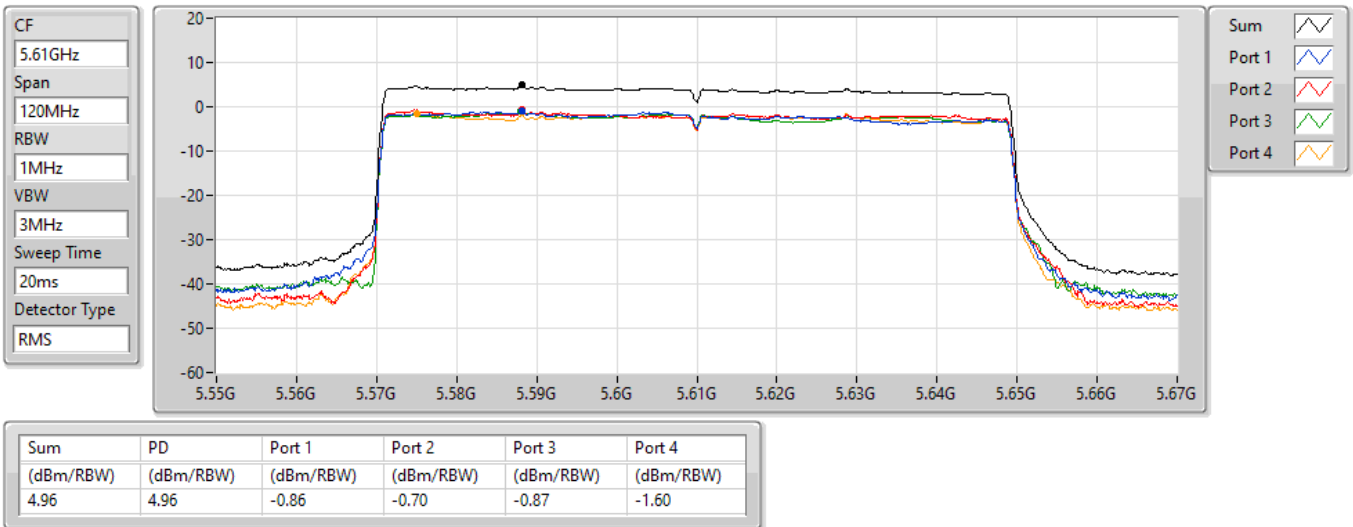


## 802.11ax HEW80\_Nss1,(MCS0)\_4TX

## PSD

5610MHz

26/02/2022

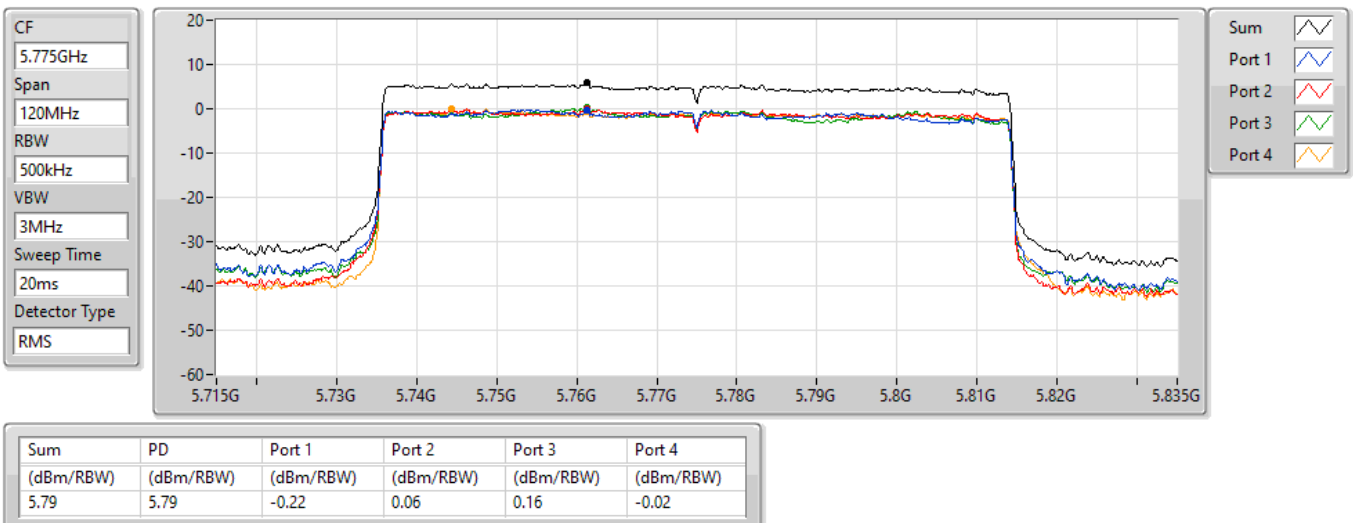


## 802.11ax HEW80\_Nss1,(MCS0)\_4TX

## PSD

5775MHz

26/02/2022

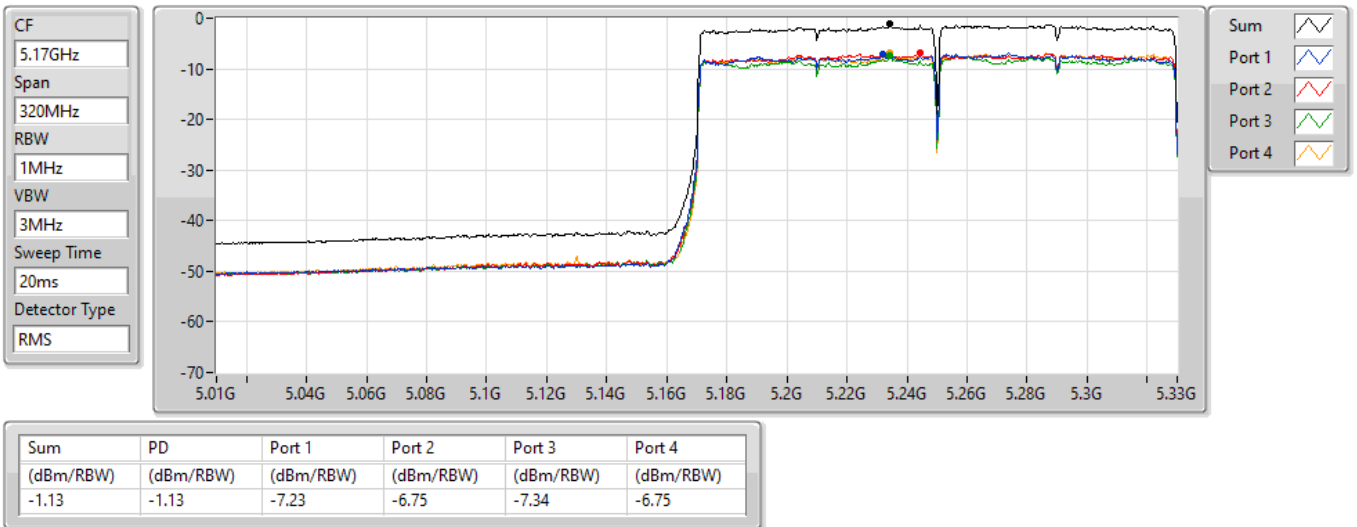


## 802.11ax HEW160\_Nss1,(MCS0)\_4TX

## PSD

### 5250MHz Straddle 5.15-5.25GHz

26/02/2022

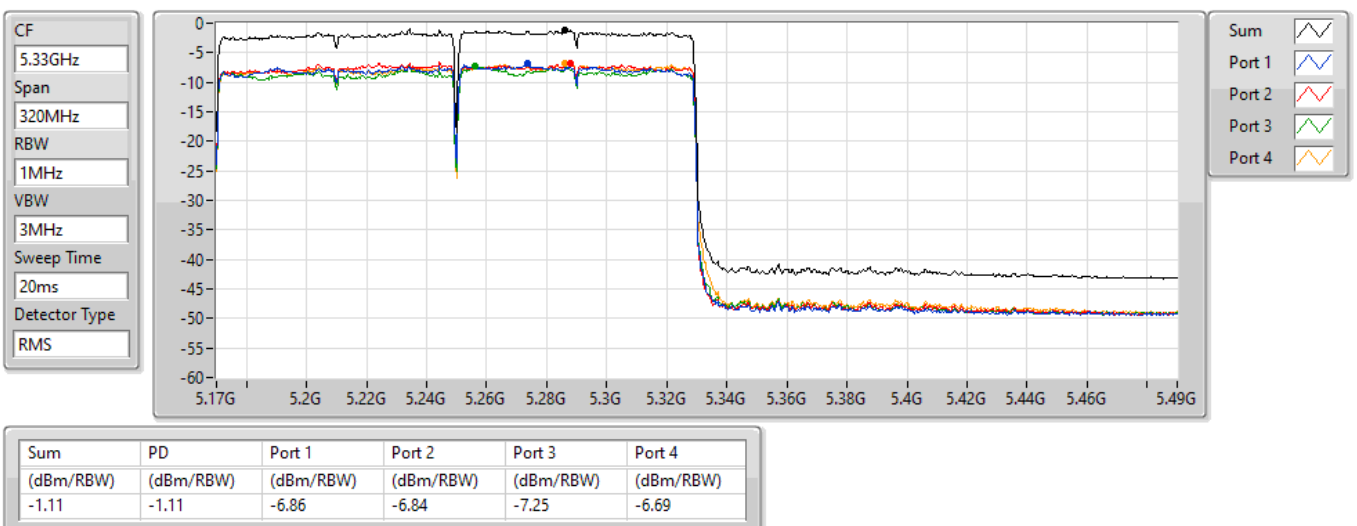


## 802.11ax HEW160\_Nss1,(MCS0)\_4TX

## PSD

### 5250MHz Straddle 5.25-5.35GHz

26/02/2022

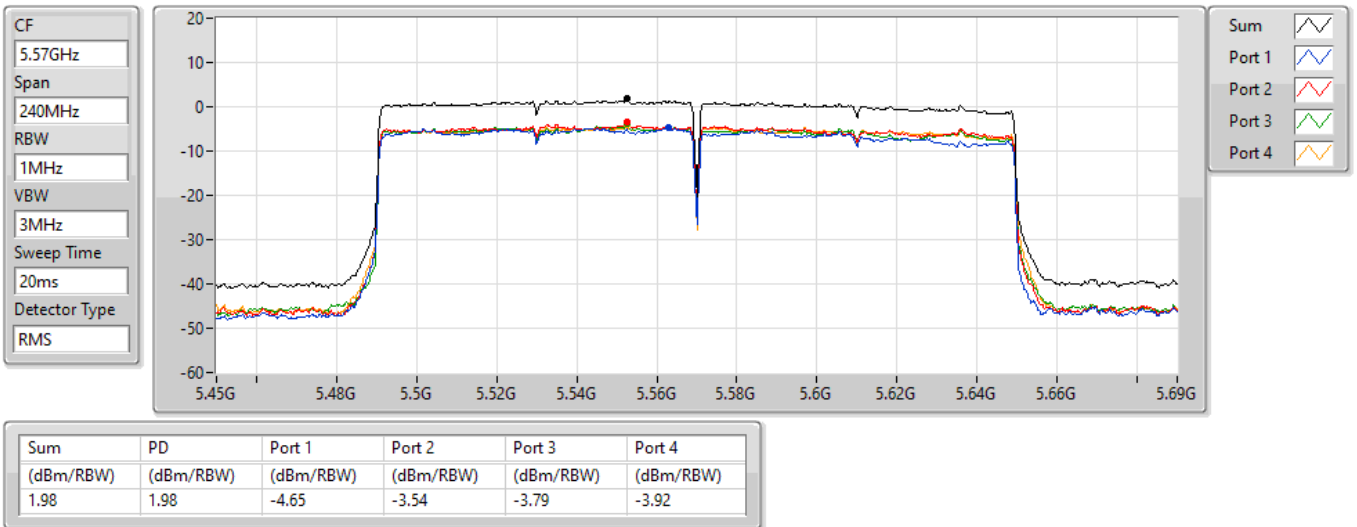


## 802.11ax HEW160\_Nss1,(MCS0)\_4TX

## PSD

5570MHz

26/02/2022



**Summary**

| Mode                               | PD<br>(dBm/RBW) |
|------------------------------------|-----------------|
| 5.15-5.25GHz                       | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 13.65           |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 10.74           |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 4.05            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 0.94            |
| 5.25-5.35GHz                       | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 7.80            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 4.68            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 1.57            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 1.34            |
| 5.47-5.725GHz                      | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 7.55            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 4.82            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 2.03            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | -1.18           |
| 5.725-5.85GHz                      | -               |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 12.13           |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 9.42            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 7.04            |

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) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|------------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5180MHz                            | Pass   | 8.76        | 7.34                | 8.40                | 7.62                | 7.99                | 13.65           | 14.24                 |
| 5200MHz                            | Pass   | 8.76        | 7.10                | 8.13                | 6.73                | 7.92                | 13.33           | 14.24                 |
| 5240MHz                            | Pass   | 8.76        | 7.90                | 8.16                | 7.22                | 7.73                | 13.50           | 14.24                 |
| 5260MHz                            | Pass   | 8.76        | 2.01                | 2.47                | 1.93                | 1.79                | 7.80            | 8.24                  |
| 5300MHz                            | Pass   | 8.76        | 1.99                | 2.57                | 1.63                | 1.68                | 7.68            | 8.24                  |
| 5320MHz                            | Pass   | 8.76        | 1.40                | 2.43                | 1.33                | 1.83                | 7.55            | 8.24                  |
| 5500MHz                            | Pass   | 8.76        | 2.21                | 1.40                | 1.69                | 1.64                | 7.38            | 8.24                  |
| 5580MHz                            | Pass   | 8.76        | 2.21                | 1.84                | 1.44                | 1.55                | 7.55            | 8.24                  |
| 5700MHz                            | Pass   | 8.76        | 0.55                | 1.70                | 2.08                | 2.16                | 7.29            | 8.24                  |
| 5745MHz                            | Pass   | 8.76        | 5.95                | 6.96                | 5.97                | 5.78                | 11.99           | 27.24                 |
| 5785MHz                            | Pass   | 8.76        | 6.72                | 6.81                | 6.57                | 5.71                | 12.13           | 27.24                 |
| 5825MHz                            | Pass   | 8.76        | 5.90                | 6.71                | 6.63                | 6.04                | 12.08           | 27.24                 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5190MHz                            | Pass   | 8.76        | 0.63                | 0.96                | 0.52                | 1.18                | 6.63            | 14.24                 |
| 5230MHz                            | Pass   | 8.76        | 4.85                | 5.61                | 4.41                | 5.22                | 10.74           | 14.24                 |
| 5270MHz                            | Pass   | 8.76        | -0.96               | -1.30               | -2.39               | -1.11               | 4.16            | 8.24                  |
| 5310MHz                            | Pass   | 8.76        | -1.19               | -0.22               | -1.46               | -1.20               | 4.68            | 8.24                  |
| 5510MHz                            | Pass   | 8.76        | -0.87               | -0.93               | -0.99               | -1.28               | 4.49            | 8.24                  |
| 5550MHz                            | Pass   | 8.76        | -0.74               | -0.82               | -1.18               | -1.33               | 4.69            | 8.24                  |
| 5670MHz                            | Pass   | 8.76        | -0.76               | -0.24               | -1.45               | -0.95               | 4.82            | 8.24                  |
| 5755MHz                            | Pass   | 8.76        | 3.19                | 3.74                | 3.46                | 2.60                | 8.87            | 27.24                 |
| 5795MHz                            | Pass   | 8.76        | 3.83                | 3.33                | 4.38                | 2.85                | 9.42            | 27.24                 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5210MHz                            | Pass   | 8.76        | -1.45               | -1.35               | -1.84               | -1.35               | 4.05            | 14.24                 |
| 5290MHz                            | Pass   | 8.76        | -4.16               | -3.81               | -3.72               | -4.03               | 1.57            | 8.24                  |
| 5530MHz                            | Pass   | 8.76        | -3.86               | -3.80               | -4.13               | -4.65               | 1.47            | 8.24                  |
| 5610MHz                            | Pass   | 8.76        | -4.23               | -3.71               | -2.55               | -3.63               | 2.03            | 8.24                  |
| 5775MHz                            | Pass   | 8.76        | 2.29                | 2.08                | 1.05                | 0.50                | 7.04            | 27.24                 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5250MHz Straddle 5.15-5.25GHz      | Pass   | 8.76        | -4.48               | -4.62               | -4.43               | -4.63               | 0.94            | 14.24                 |
| 5250MHz Straddle 5.25-5.35GHz      | Pass   | 8.76        | -4.07               | -4.57               | -5.01               | -4.53               | 1.34            | 8.24                  |
| 5570MHz                            | Pass   | 8.76        | -6.63               | -6.33               | -7.12               | -7.22               | -1.18           | 8.24                  |

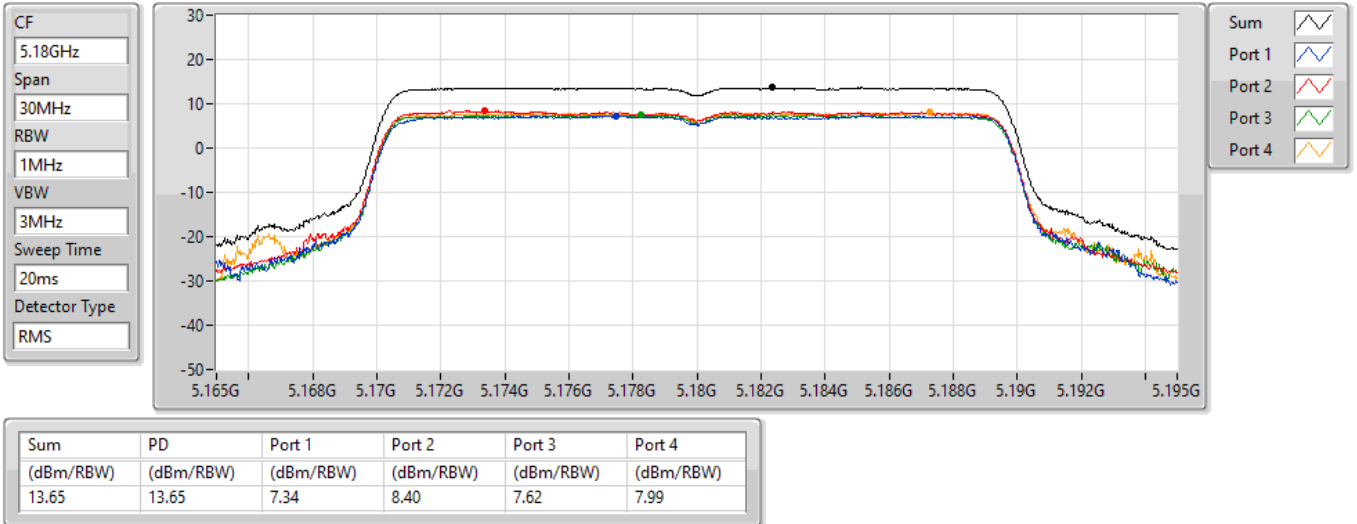
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5180MHz

27/02/2022

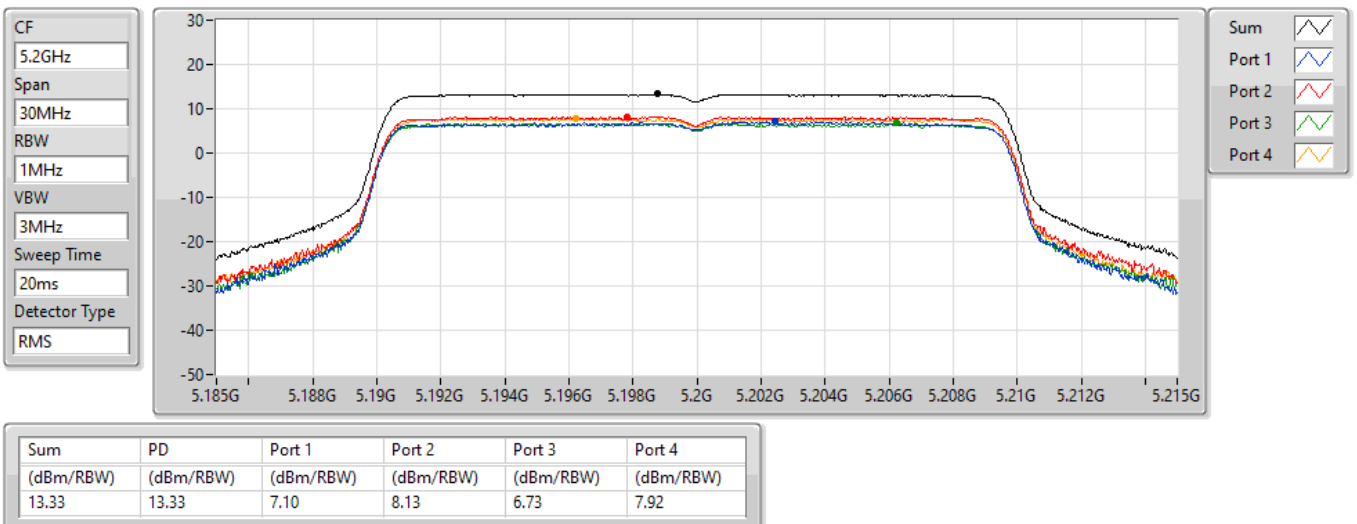


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5200MHz

27/02/2022

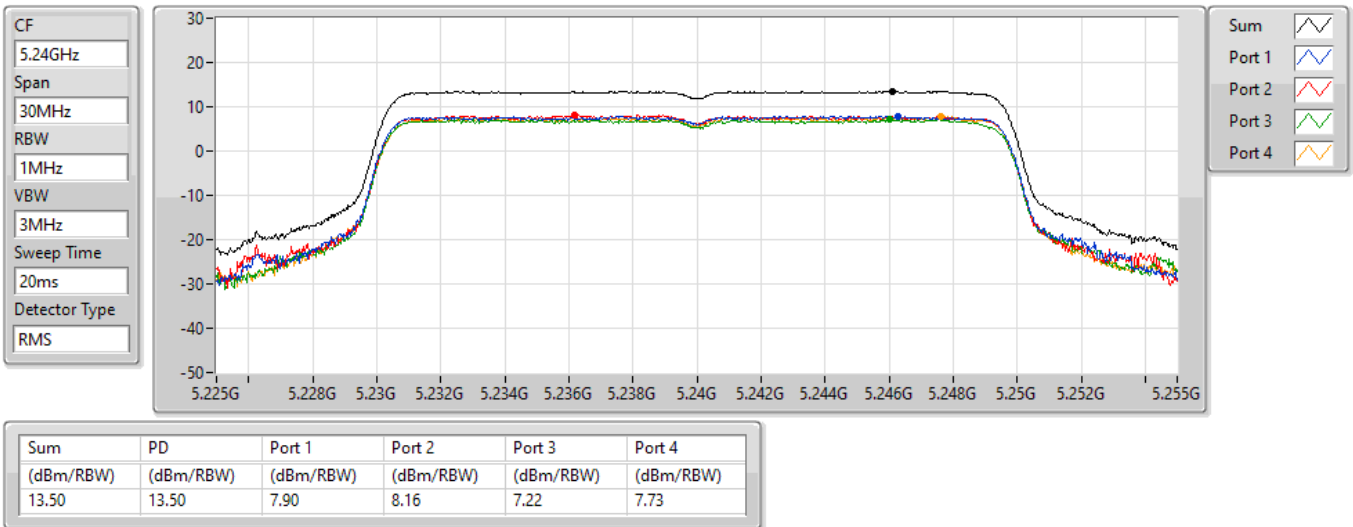


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5240MHz

27/02/2022

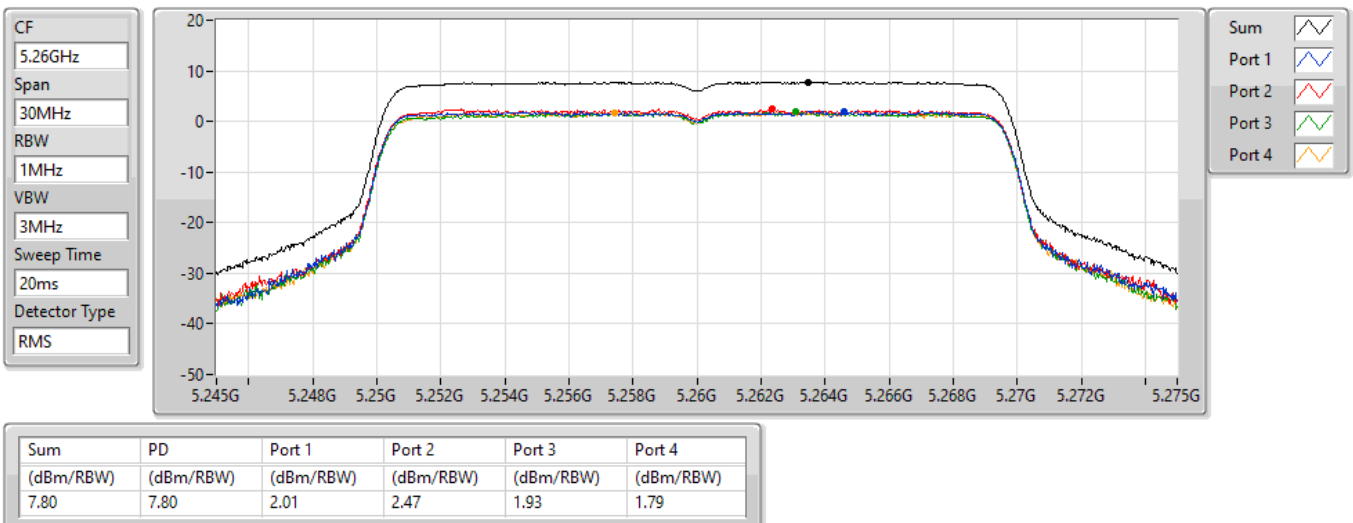


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5260MHz

27/02/2022

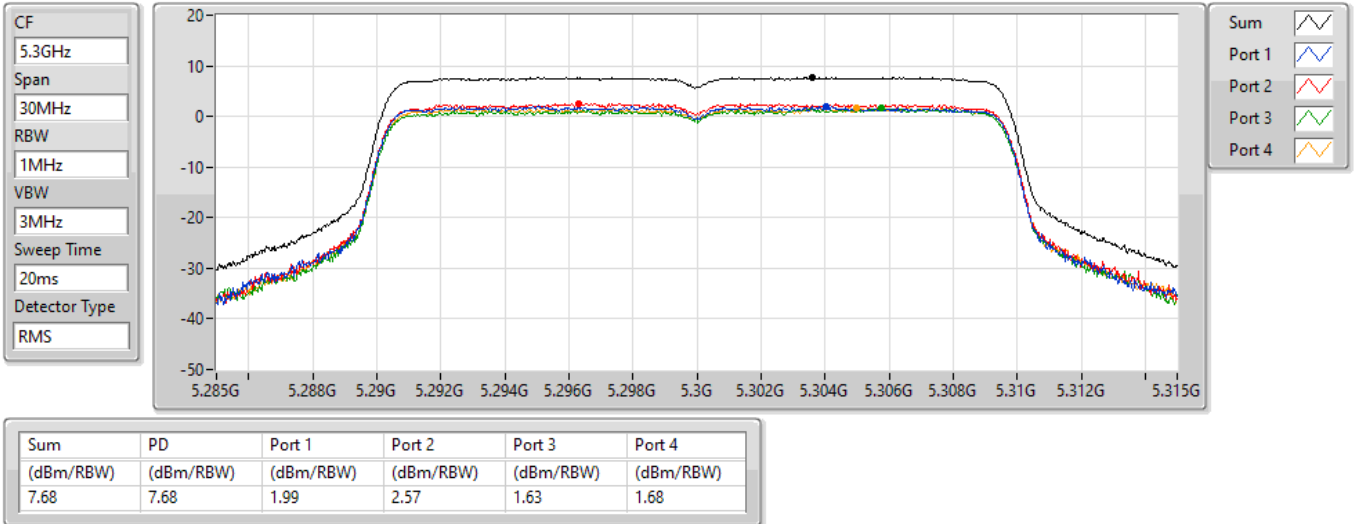


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5300MHz

27/02/2022

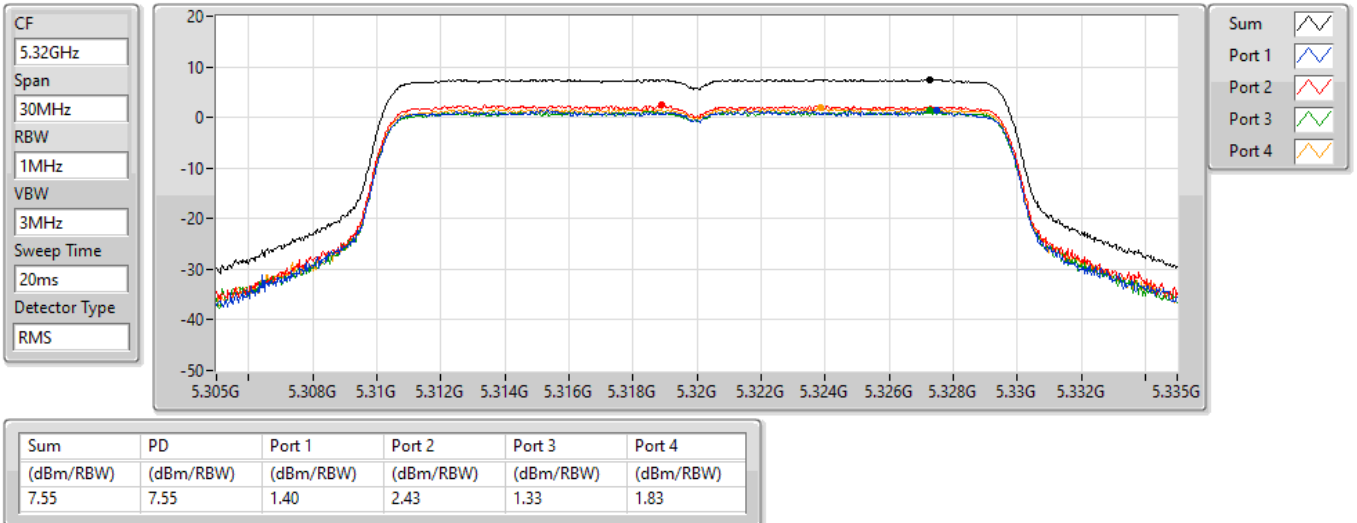


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5320MHz

27/02/2022

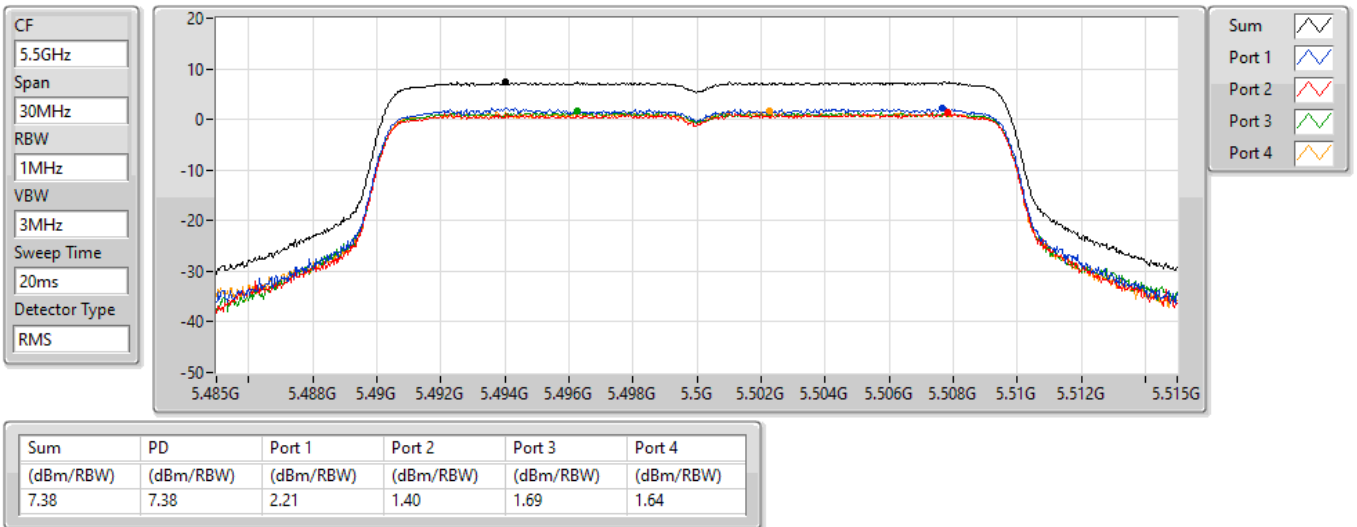


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5500MHz

27/02/2022

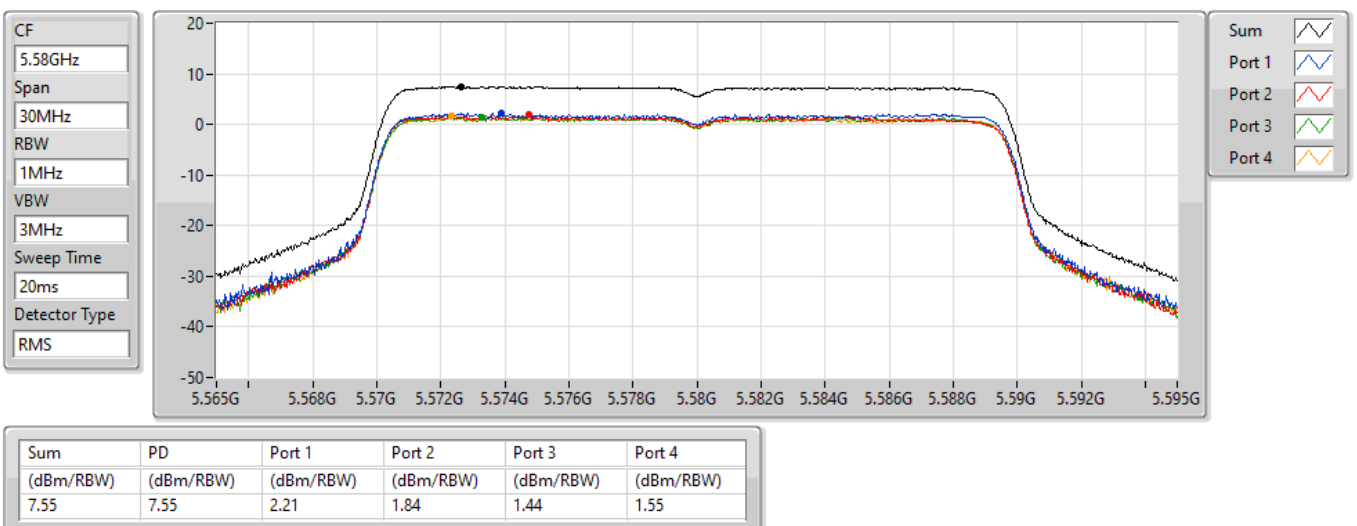


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5580MHz

27/02/2022

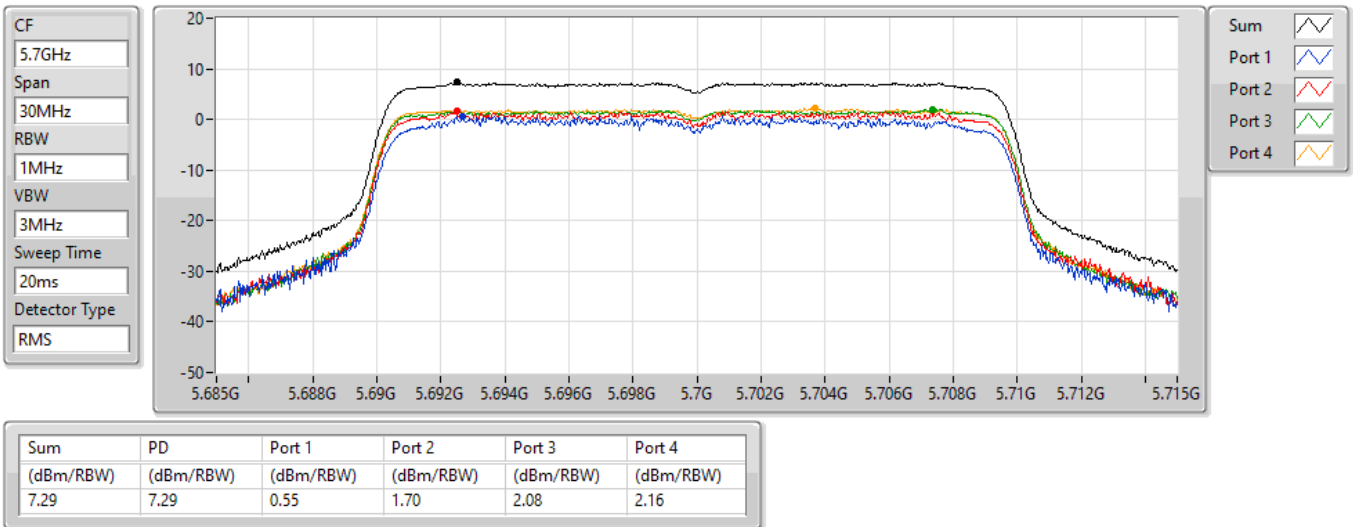


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5700MHz

27/02/2022

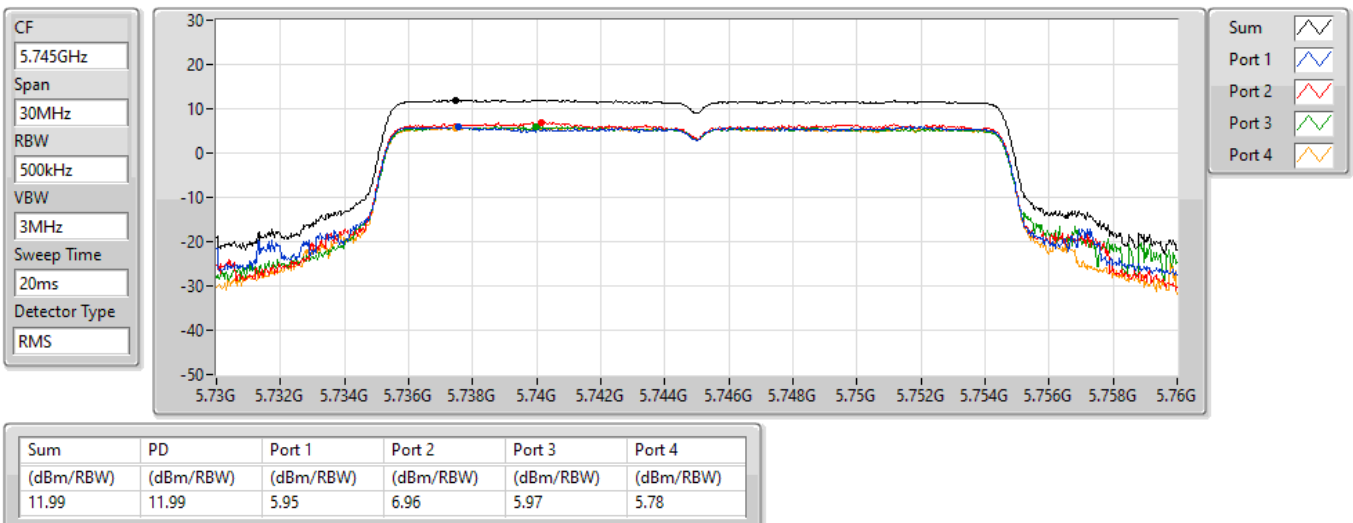


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5745MHz

27/02/2022

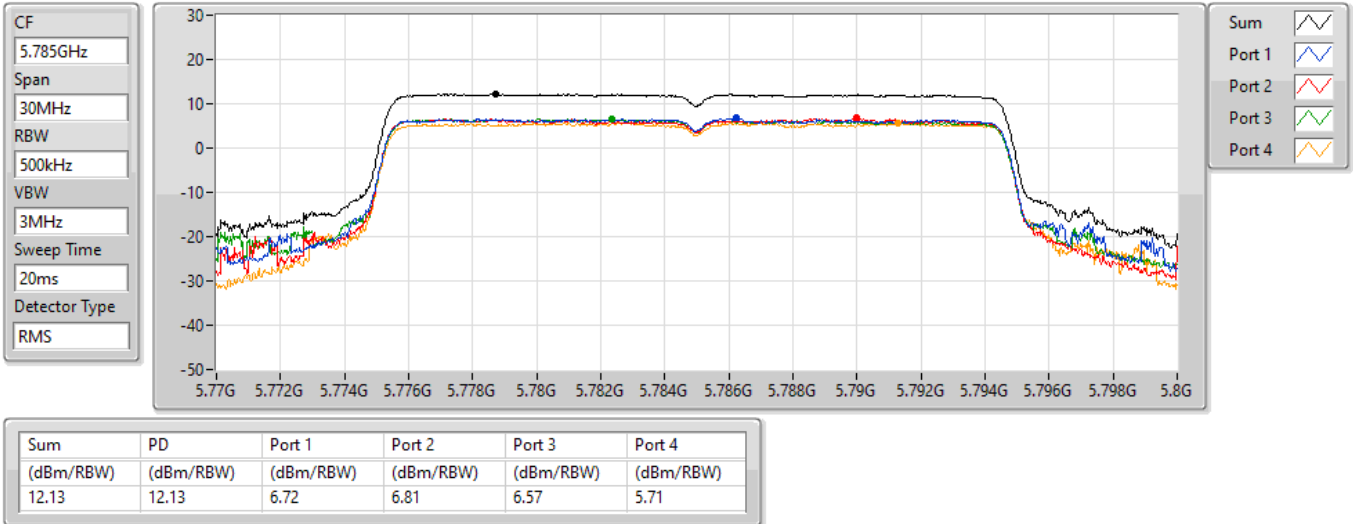


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5785MHz

27/02/2022

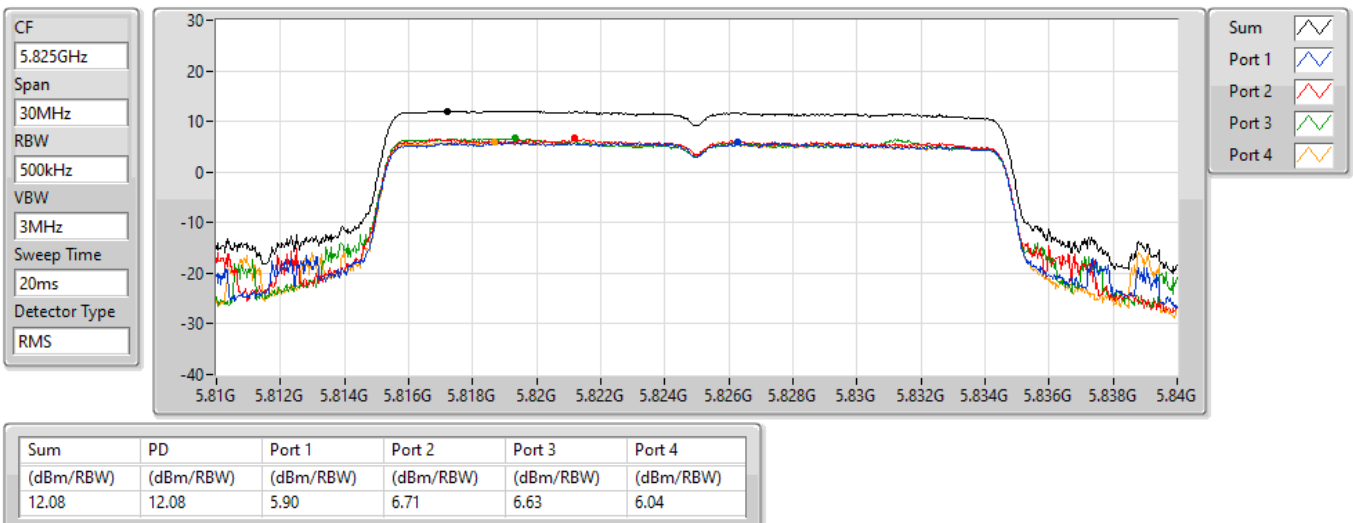


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5825MHz

27/02/2022

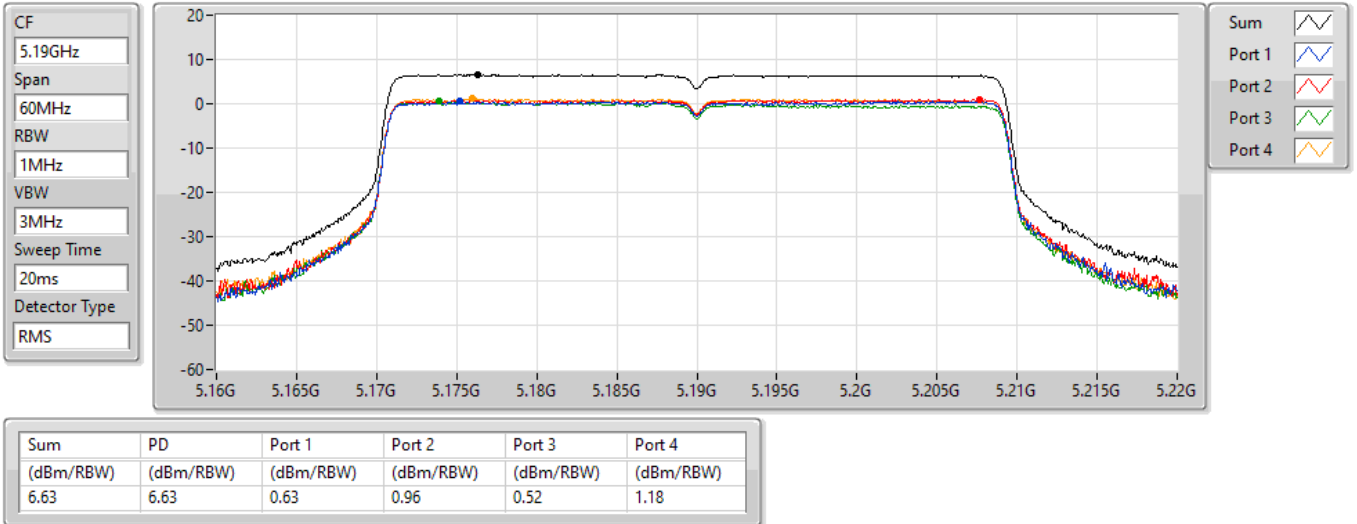


# 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## PSD

5190MHz

27/02/2022

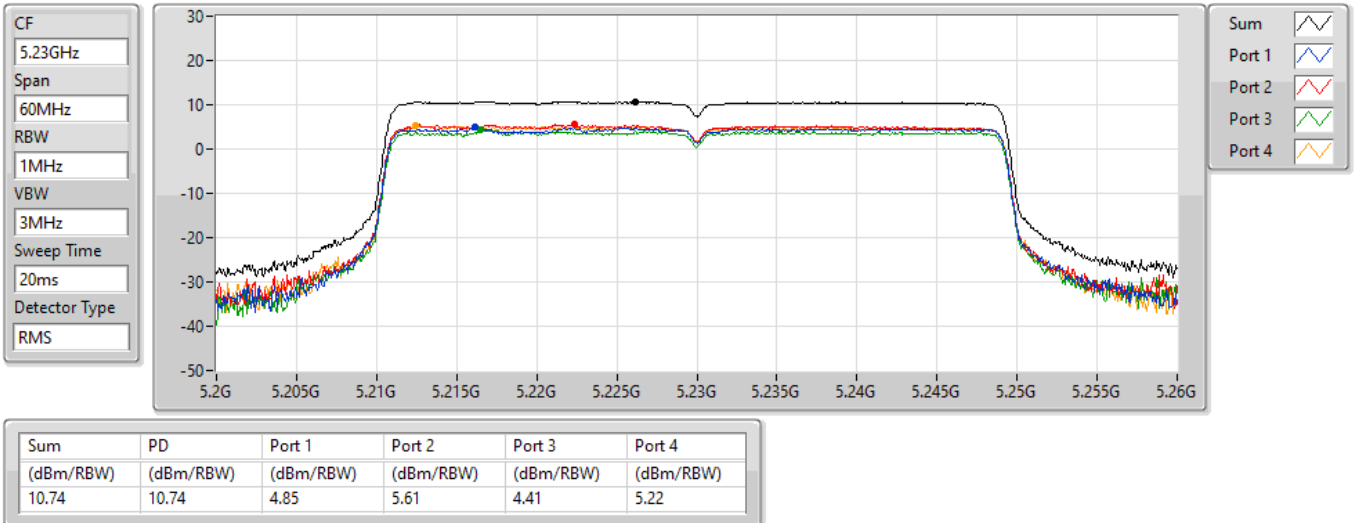


# 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## PSD

5230MHz

27/02/2022

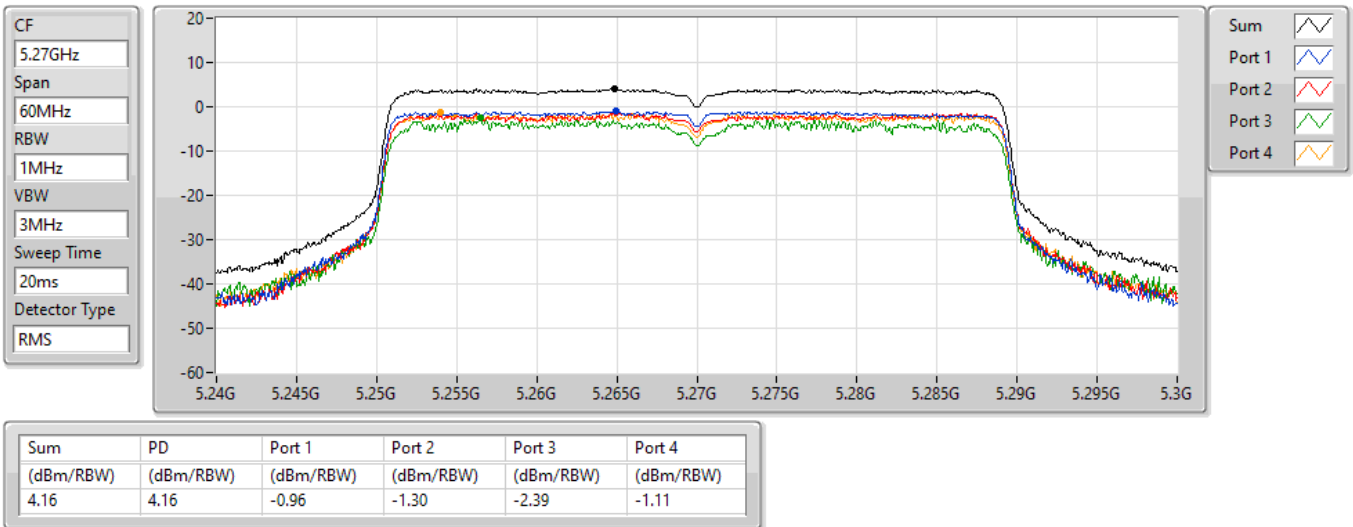


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## PSD

5270MHz

27/02/2022

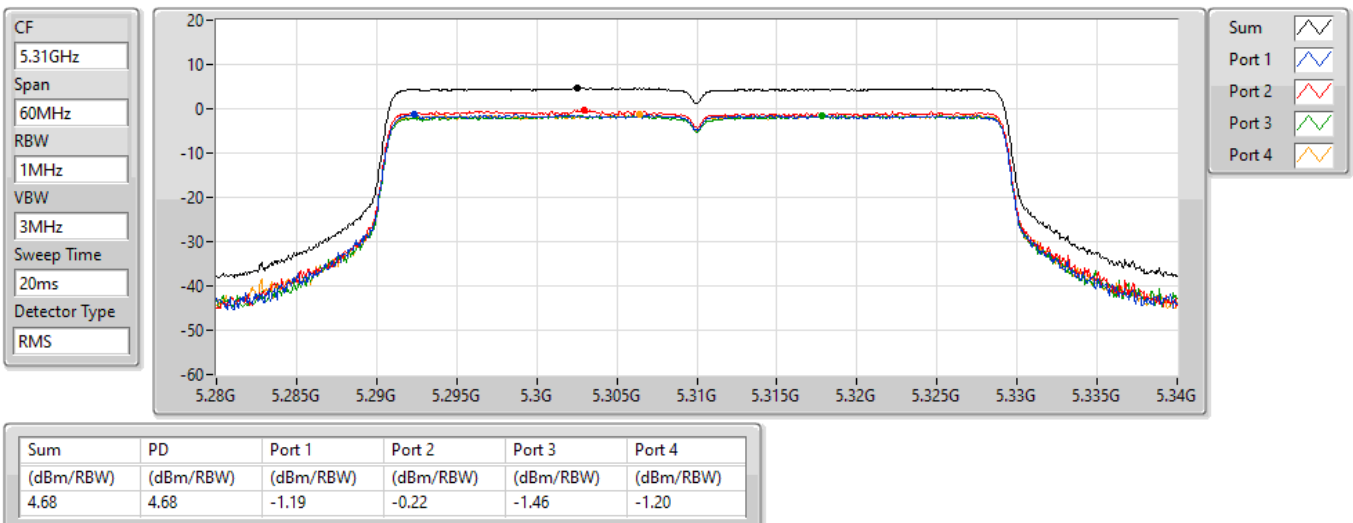


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## PSD

5310MHz

27/02/2022

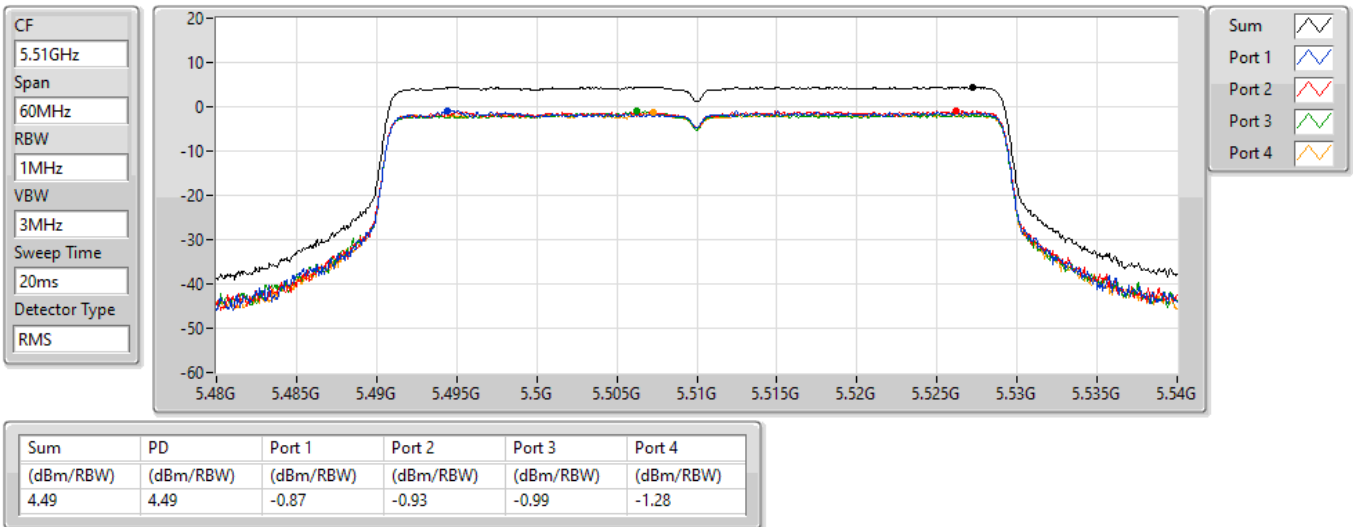


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## PSD

5510MHz

27/02/2022

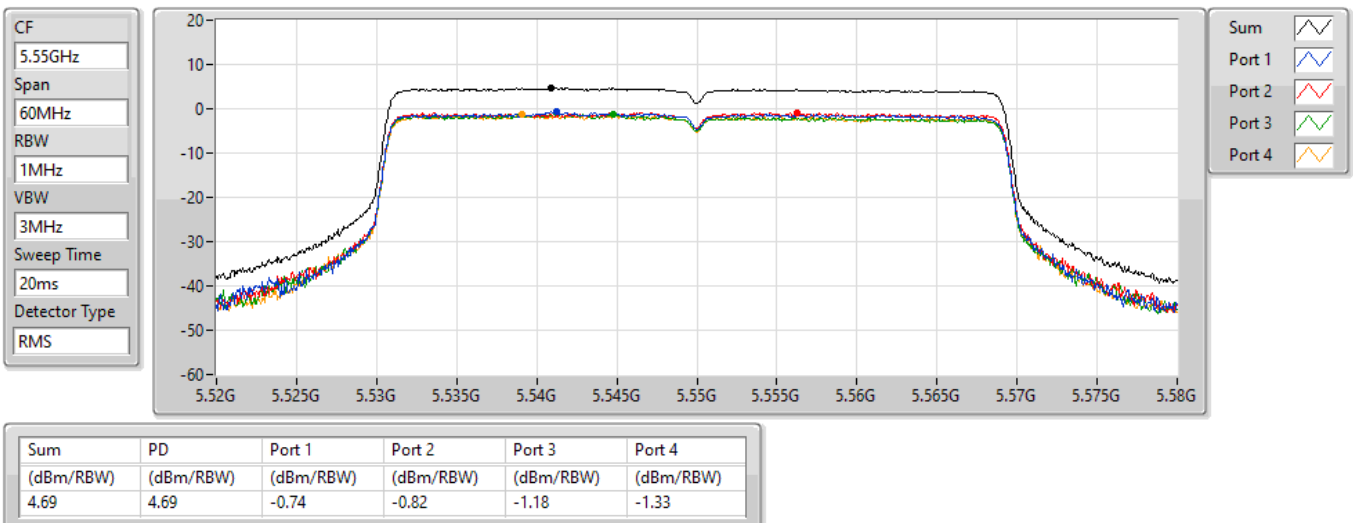


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## PSD

5550MHz

27/02/2022

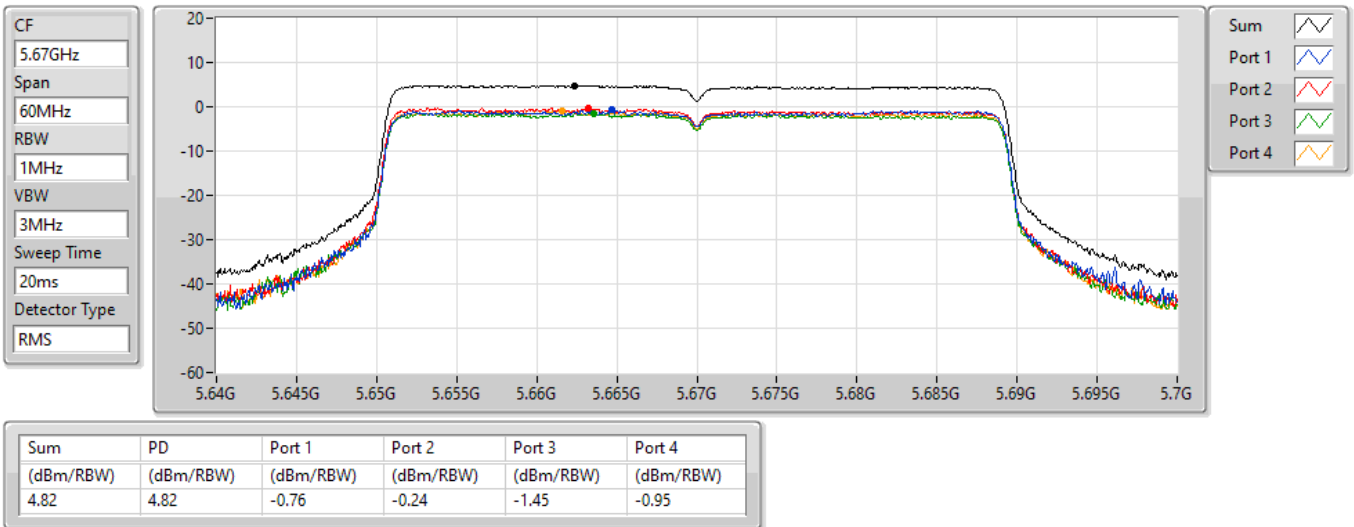


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## PSD

5670MHz

27/02/2022

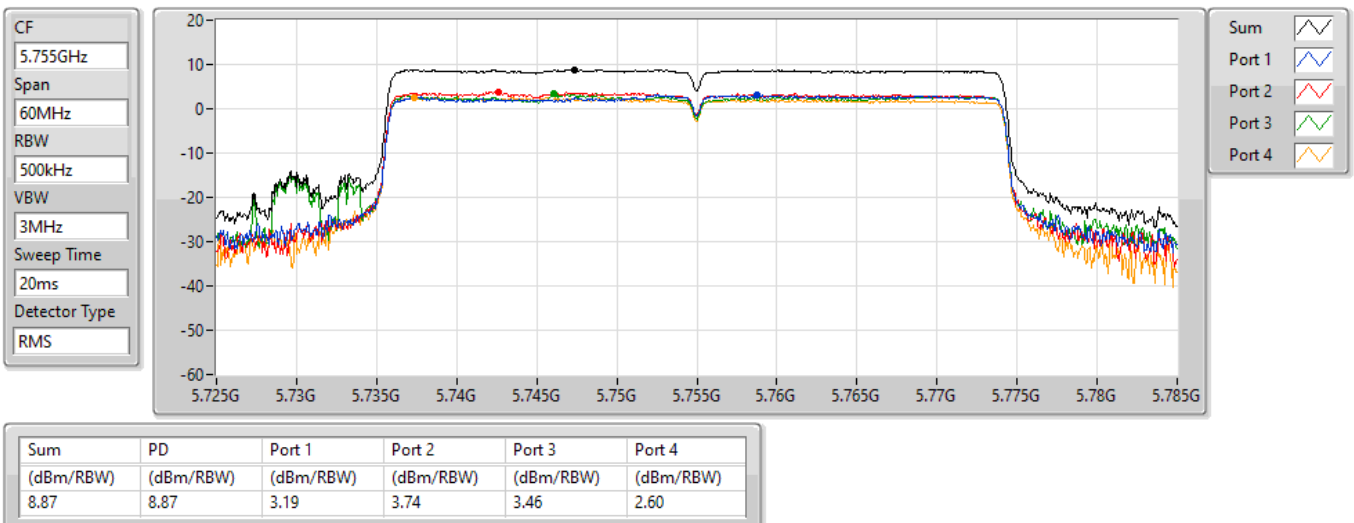


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## PSD

5755MHz

27/02/2022

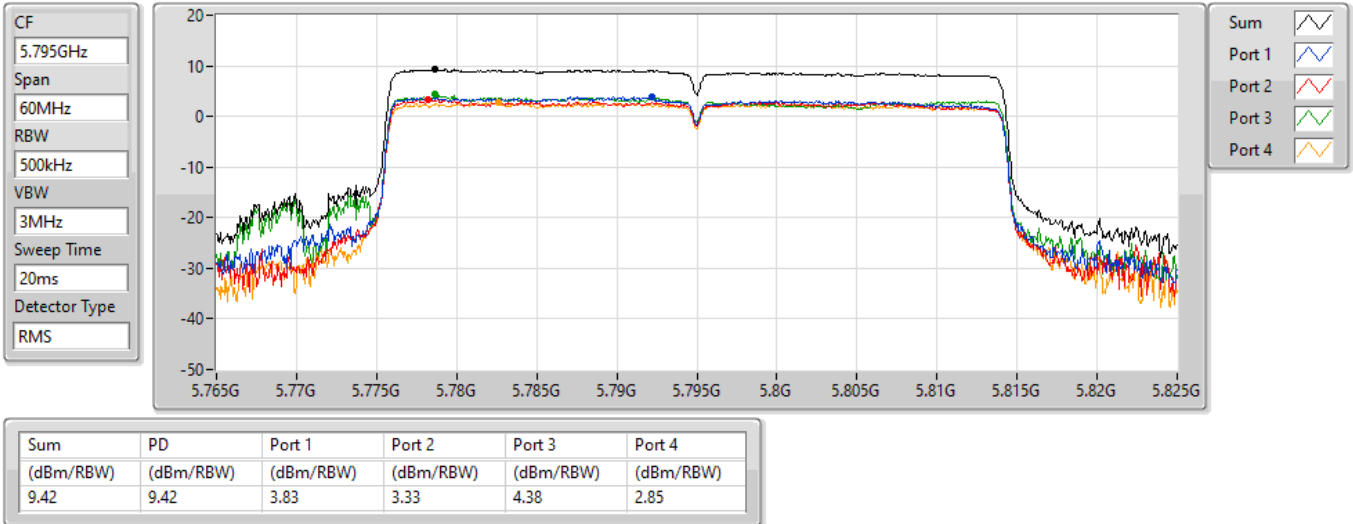


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## PSD

5795MHz

27/02/2022

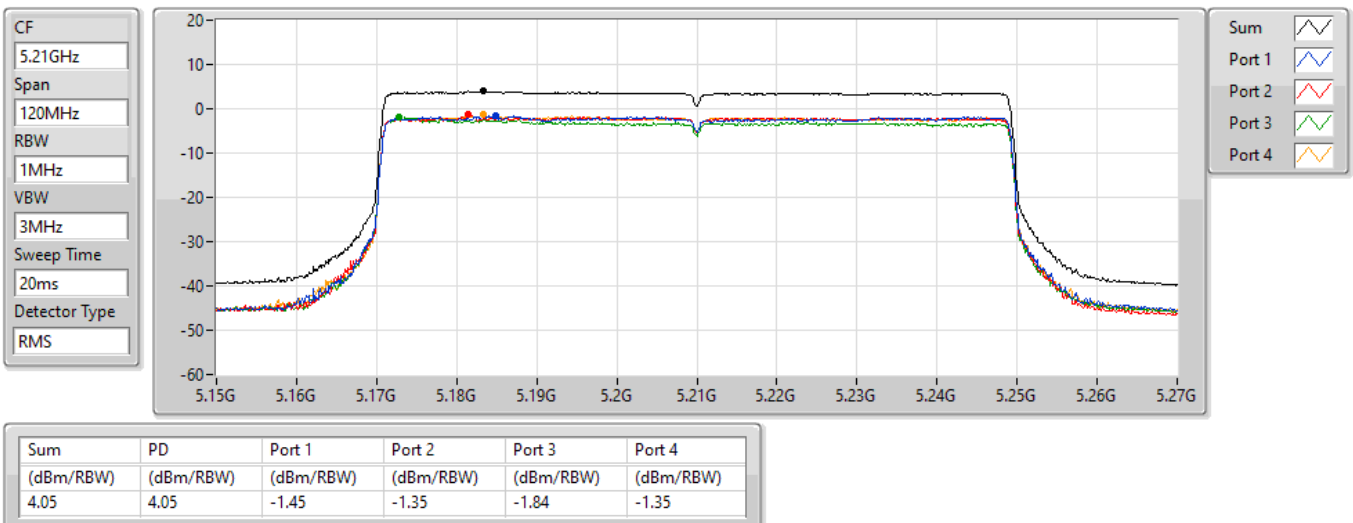


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

## PSD

5210MHz

27/02/2022

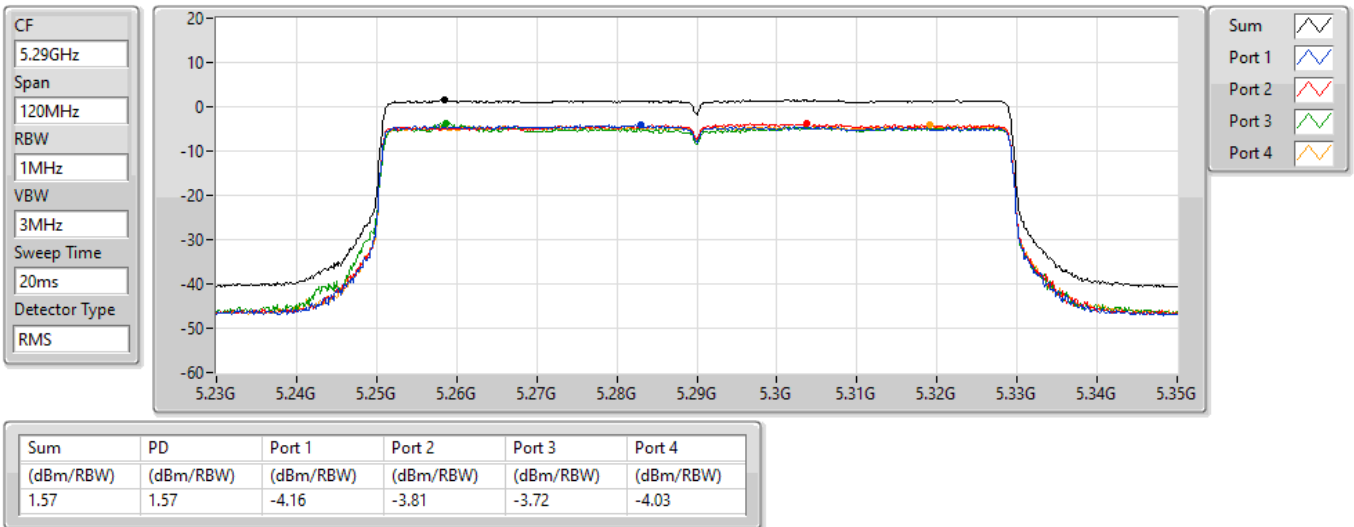


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

## PSD

5290MHz

27/02/2022

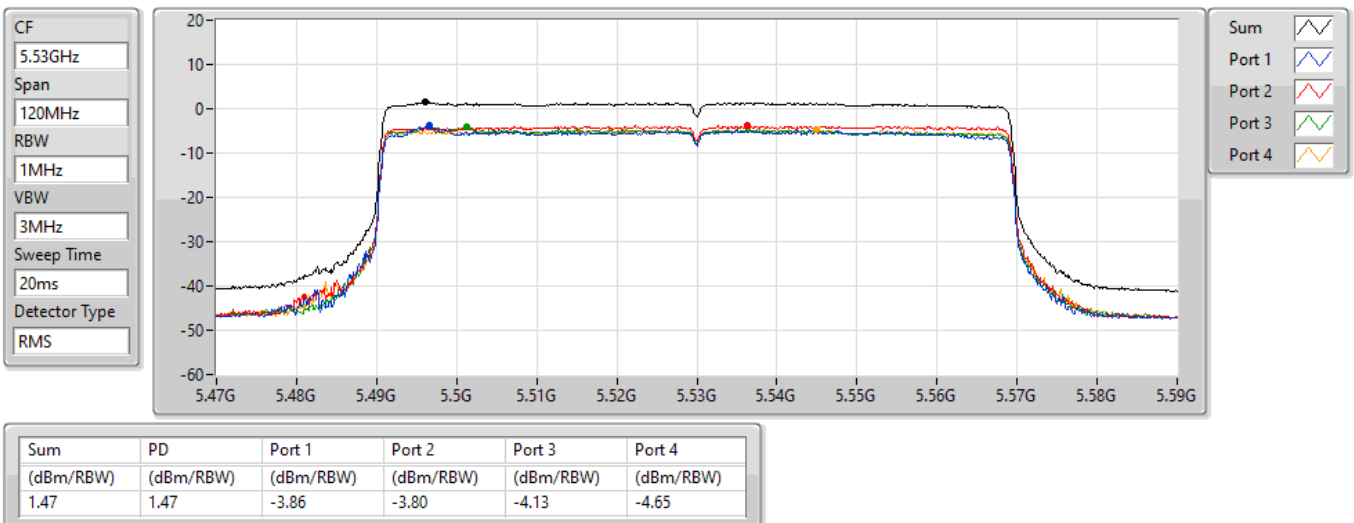


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

## PSD

5530MHz

27/02/2022

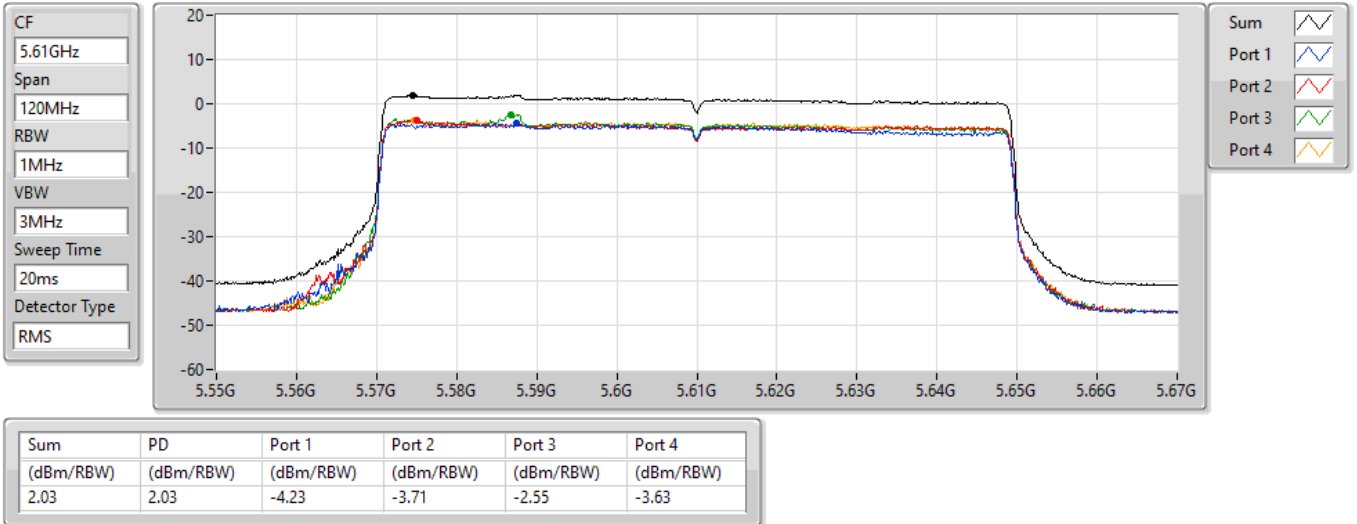


# 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

PSD

5610MHz

27/02/2022

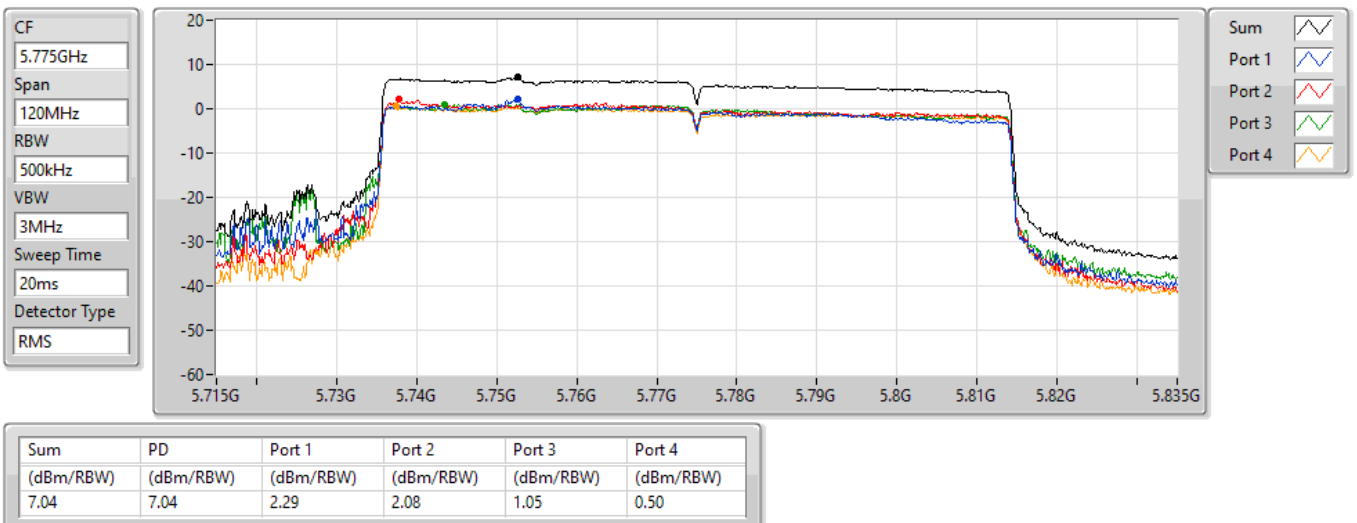


# 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

PSD

5775MHz

27/02/2022

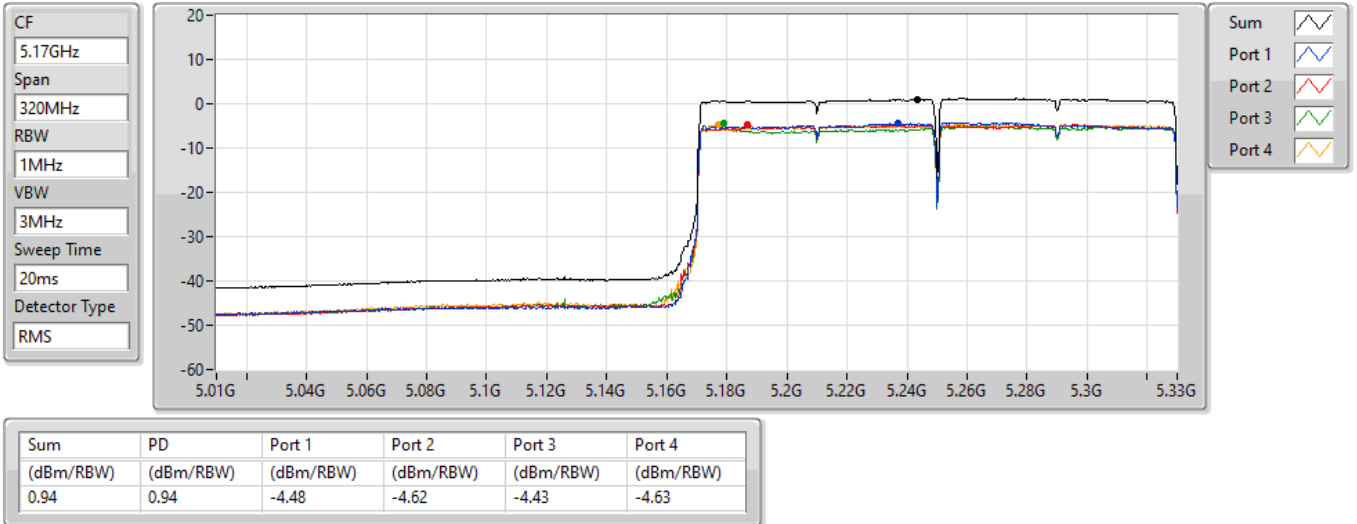


# 802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX

PSD

## 5250MHz Straddle 5.15-5.25GHz

27/02/2022

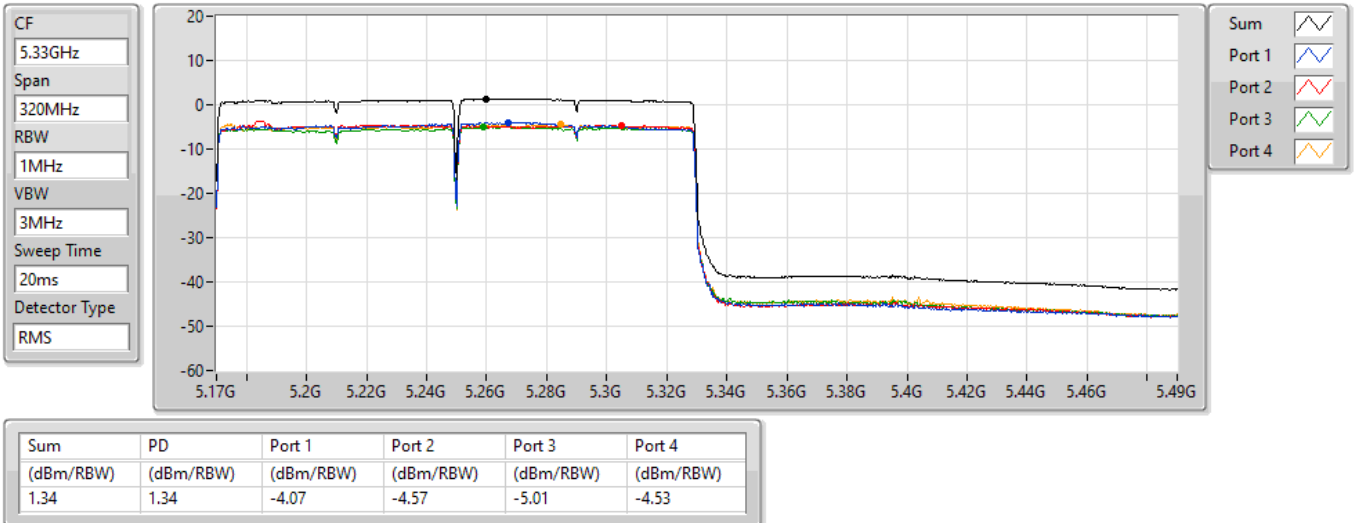


# 802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX

PSD

## 5250MHz Straddle 5.25-5.35GHz

27/02/2022

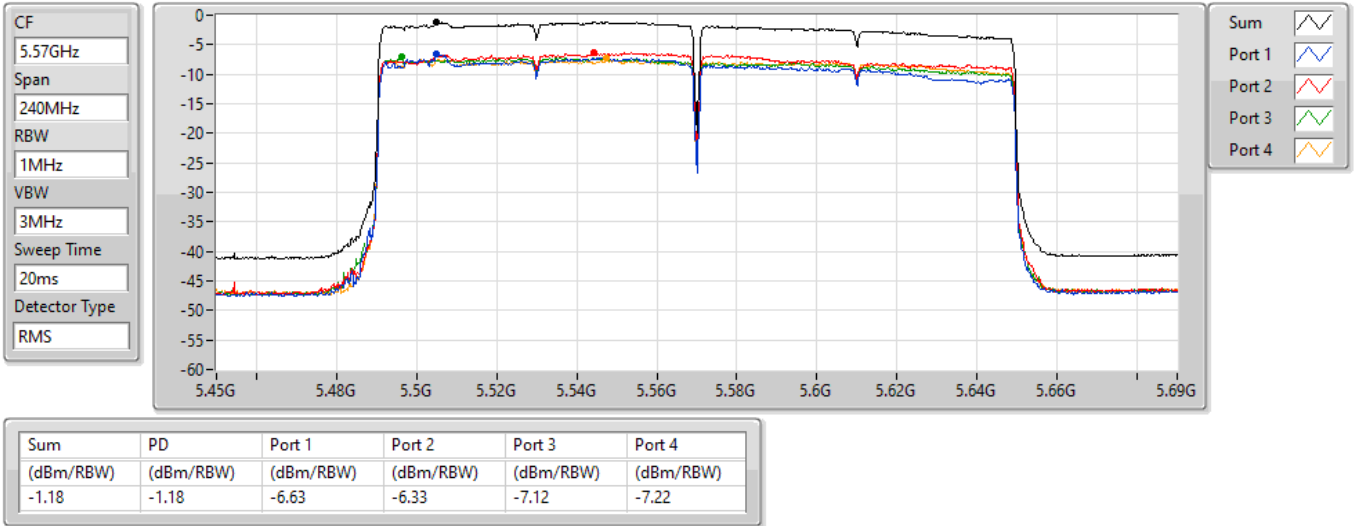


# 802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX

## PSD

5570MHz

27/02/2022





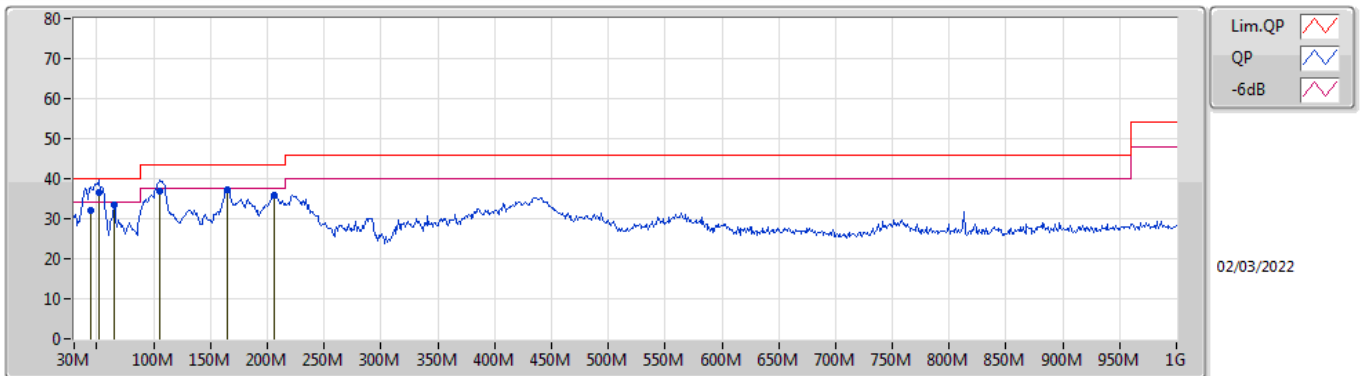
## ***Radiated Emissions below 1GHz***

## ***Appendix E.1***

### **Summary**

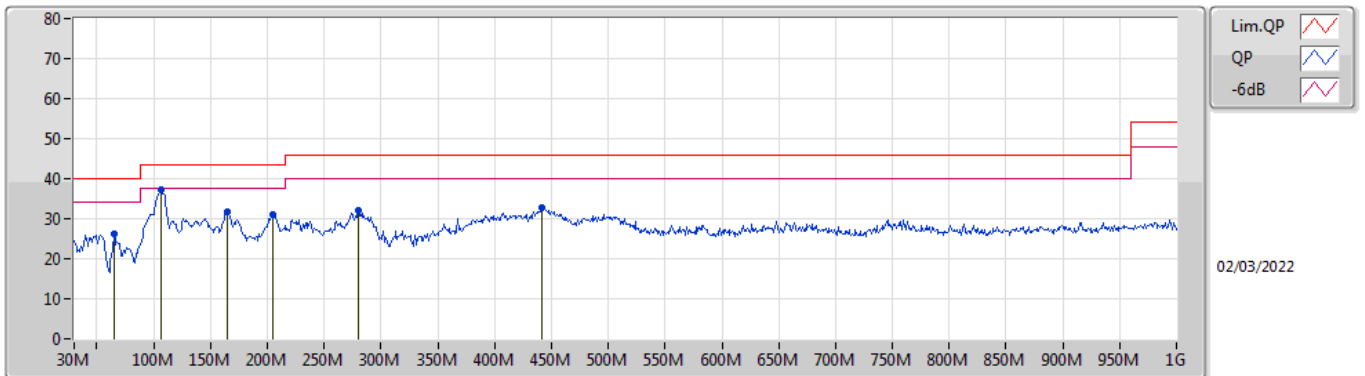
| Mode   | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Condition |
|--------|--------|------|--------------|-------------------|-------------------|----------------|-----------|
| Mode 3 | Pass   | QP   | 51.34M       | 36.41             | 40.00             | -3.59          | Vertical  |

### Mode 3



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB/m) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV/m) | AF<br>(dB/m) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|------------------|-------------|-----------|----------------|---------------|---------|-----------------|--------------|------------|------------|
| QP   | 44.55M       | 32.24             | 40.00             | -7.76          | -15.49           | 3           | Vertical  | 0              | 1.25          | -       | 47.73           | 15.70        | 0.60       | 31.79      |
| QP   | 51.34M       | 36.41             | 40.00             | -3.59          | -18.34           | 3           | Vertical  | 359            | 1.00          | "Worst" | 54.75           | 12.87        | 0.63       | 31.84      |
| PK   | 64.92M       | 33.44             | 40.00             | -6.56          | -19.78           | 3           | Vertical  | 359            | 2.00          | -       | 53.22           | 11.41        | 0.70       | 31.89      |
| QP   | 105.66M      | 36.83             | 43.50             | -6.67          | -14.62           | 3           | Vertical  | 36             | 1.00          | -       | 51.45           | 16.45        | 0.83       | 31.90      |
| PK   | 164.83M      | 37.34             | 43.50             | -6.16          | -16.06           | 3           | Vertical  | 147            | 1.00          | -       | 53.40           | 14.82        | 1.02       | 31.90      |
| PK   | 206.54M      | 35.99             | 43.50             | -7.51          | -16.21           | 3           | Vertical  | 360            | 1.25          | -       | 52.20           | 14.48        | 1.21       | 31.90      |

### Mode 3



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB/m) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV/m) | AF<br>(dB/m) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|------------------|-------------|------------|----------------|---------------|---------|-----------------|--------------|------------|------------|
| PK   | 64.92M       | 26.37             | 40.00             | -13.63         | -19.78           | 3           | Horizontal | 79             | 2.00          | -       | 46.15           | 11.41        | 0.70       | 31.89      |
| PK   | 106.63M      | 37.13             | 43.50             | -6.37          | -14.54           | 3           | Horizontal | 93             | 2.00          | "Worst" | 51.67           | 16.53        | 0.83       | 31.90      |
| PK   | 164.83M      | 31.64             | 43.50             | -11.86         | -16.06           | 3           | Horizontal | 260            | 1.50          | -       | 47.70           | 14.82        | 1.02       | 31.90      |
| PK   | 204.6M       | 30.92             | 43.50             | -12.58         | -16.17           | 3           | Horizontal | 242            | 1.25          | -       | 47.09           | 14.51        | 1.21       | 31.89      |
| PK   | 280.26M      | 32.20             | 46.00             | -13.80         | -12.60           | 3           | Horizontal | 147            | 1.00          | -       | 44.80           | 18.00        | 1.36       | 31.96      |
| PK   | 441.28M      | 32.93             | 46.00             | -13.07         | -8.72            | 3           | Horizontal | 306            | 1.00          | -       | 41.65           | 21.71        | 1.68       | 32.11      |

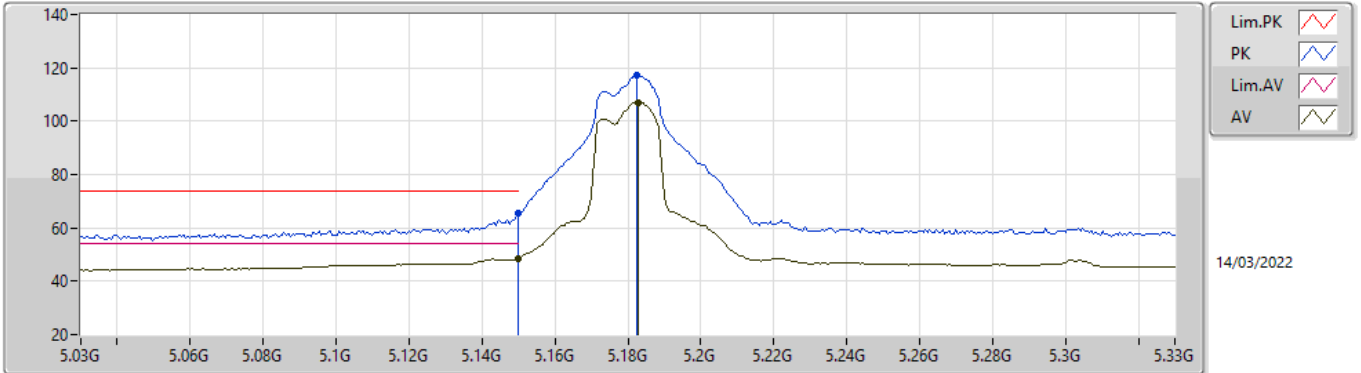


**Summary**

| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 5.15-5.25GHz                   | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | Pass   | AV   | 5.12G        | 52.99             | 54.00             | -1.01          | 3           | Horizontal | 119            | 1.28          | -        |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5180MHz\_TnomVnom

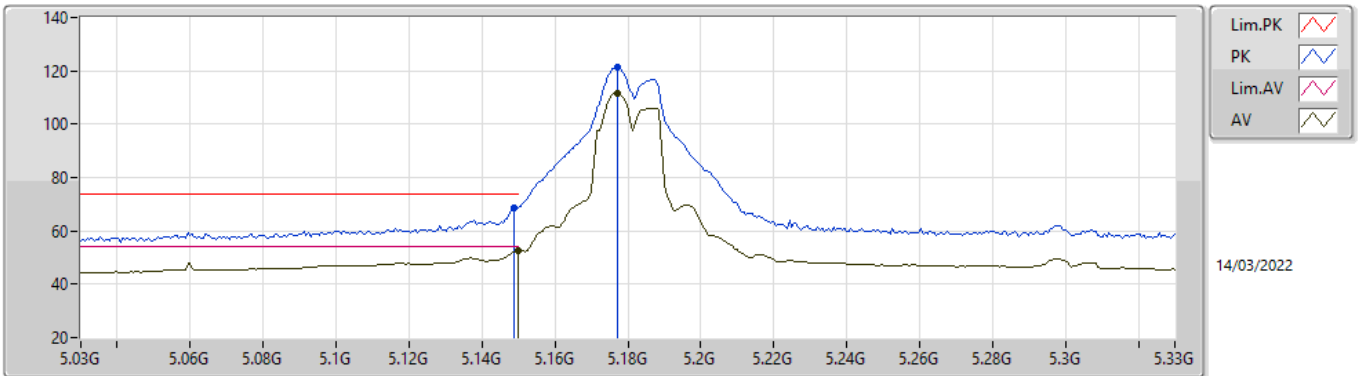


EUT X\_4TX  
Setting 21  
04-D-K-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.15G        | 65.69             | 74.00             | -8.31          | 60.91         | 3           | Vertical  | 350            | 2.73          | -       | 32.90      | 5.05       | 33.17      |  |
| AV   | 5.15G        | 48.34             | 54.00             | -5.66          | 43.56         | 3           | Vertical  | 350            | 2.73          | -       | 32.90      | 5.05       | 33.17      |  |
| PK   | 5.1824G      | 117.30            | Inf               | -Inf           | 112.43        | 3           | Vertical  | 350            | 2.73          | -       | 32.96      | 5.08       | 33.17      |  |
| AV   | 5.183G       | 107.04            | Inf               | -Inf           | 102.16        | 3           | Vertical  | 350            | 2.73          | -       | 32.97      | 5.08       | 33.17      |  |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5180MHz\_TnomVnom

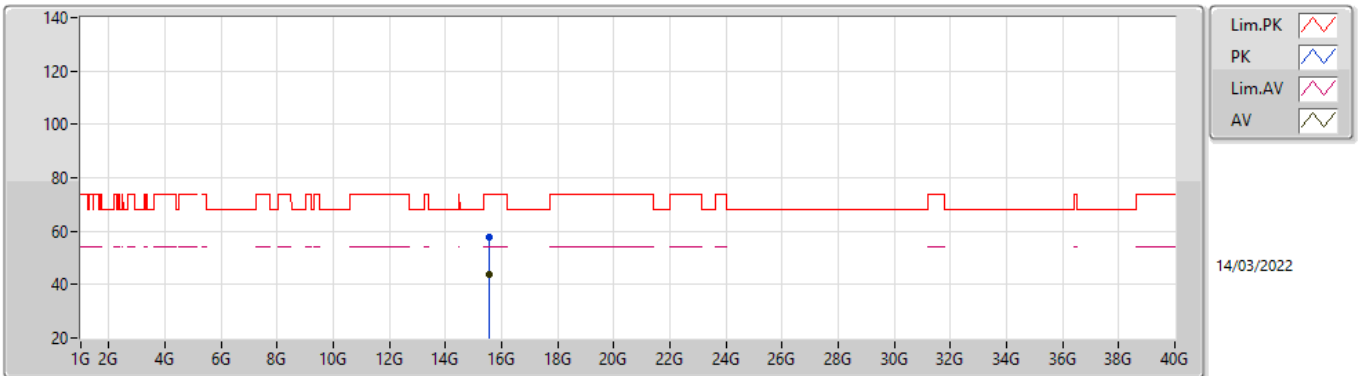


EUT X\_4TX  
Setting 21  
04-D-K-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.1488G      | 68.71             | 74.00             | -5.29          | 63.93         | 3           | Horizontal | 94             | 1.14          | -       | 32.90      | 5.05       | 33.17      |
| AV   | 5.15G        | 52.69             | 54.00             | -1.31          | 47.91         | 3           | Horizontal | 94             | 1.14          | -       | 32.90      | 5.05       | 33.17      |
| PK   | 5.177G       | 121.39            | Inf               | -Inf           | 116.53        | 3           | Horizontal | 94             | 1.14          | -       | 32.95      | 5.08       | 33.17      |
| AV   | 5.177G       | 111.44            | Inf               | -Inf           | 106.58        | 3           | Horizontal | 94             | 1.14          | -       | 32.95      | 5.08       | 33.17      |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5180MHz\_TnomVnom

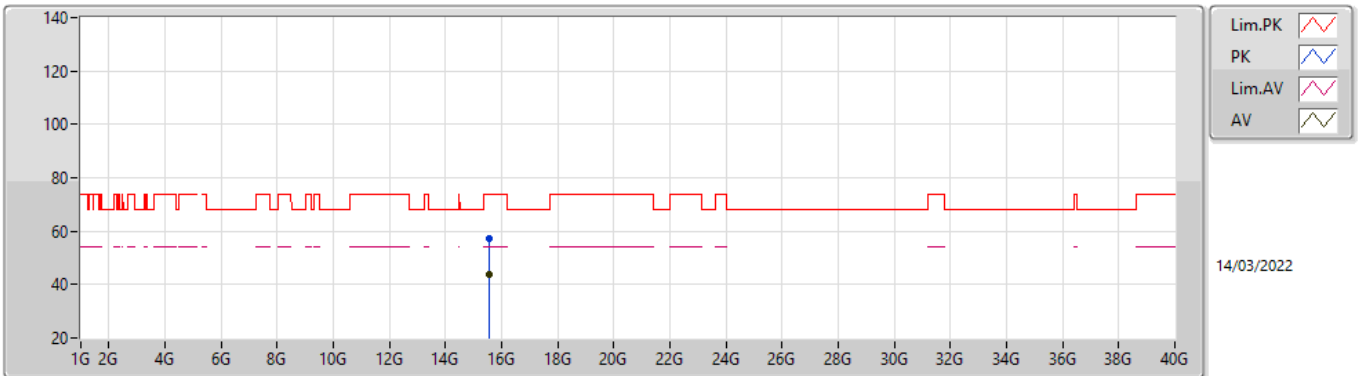


EUT\_X\_4TX  
Setting 21  
04-D-K-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 15.53548G    | 57.87             | 74.00             | -16.13         | 45.16         | 3           | Vertical  | 14             | 2.21          | -       | 38.86      | 8.98       | 35.13      |
| AV   | 15.54G       | 43.54             | 54.00             | -10.46         | 30.84         | 3           | Vertical  | 14             | 2.21          | -       | 38.84      | 8.99       | 35.13      |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5180MHz\_TnomVnom

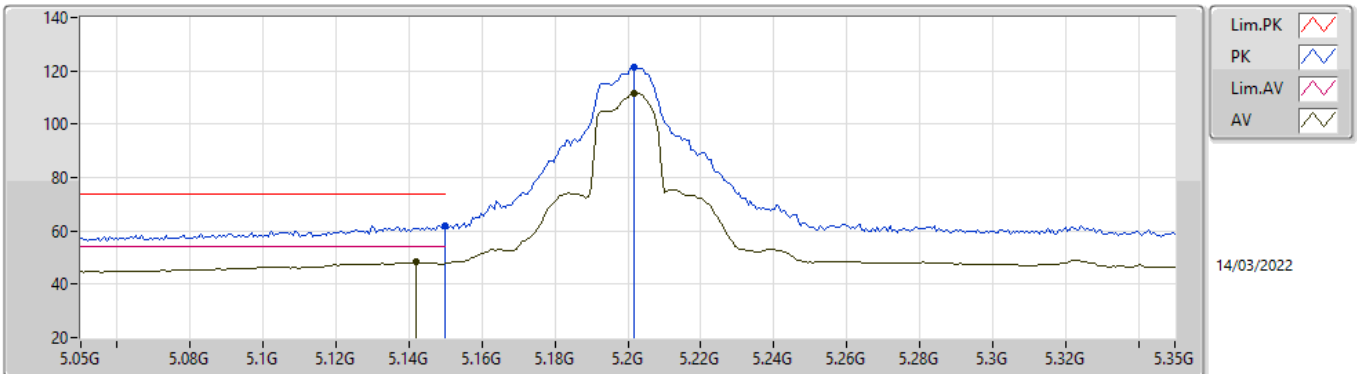


EUT\_X\_4TX  
Setting 21  
04-D-K-5

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition  | Azimuth | Height | Comment | AF    | CL   | PA    |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|---------|-------|------|-------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |            | (°)     | (m)    |         | (dB)  | (dB) | (dB)  |
| PK   | 15.53712G | 57.10    | 74.00    | -16.90 | 44.40  | 3    | Horizontal | 116     | 2.04   | -       | 38.85 | 8.98 | 35.13 |
| AV   | 15.5399G  | 43.56    | 54.00    | -10.44 | 30.87  | 3    | Horizontal | 116     | 2.04   | -       | 38.84 | 8.98 | 35.13 |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5200MHz\_TnomVnom

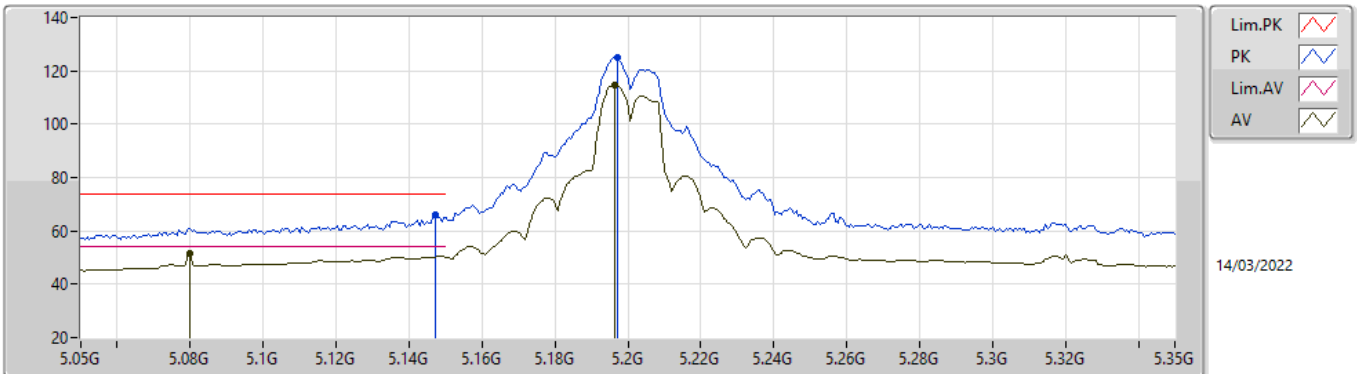


EUT X\_4TX  
Setting 24.5  
04-D-K-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.15G        | 62.04             | 74.00             | -11.96         | 57.26         | 3           | Vertical  | 350            | 2.55          | -       | 32.90      | 5.05       | 33.17      |  |
| AV   | 5.1418G      | 48.22             | 54.00             | -5.78          | 43.42         | 3           | Vertical  | 350            | 2.55          | -       | 32.93      | 5.04       | 33.17      |  |
| PK   | 5.2018G      | 121.15            | Inf               | -Inf           | 116.22        | 3           | Vertical  | 350            | 2.55          | -       | 33.00      | 5.10       | 33.17      |  |
| AV   | 5.2018G      | 111.48            | Inf               | -Inf           | 106.55        | 3           | Vertical  | 350            | 2.55          | -       | 33.00      | 5.10       | 33.17      |  |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5200MHz\_TnomVnom

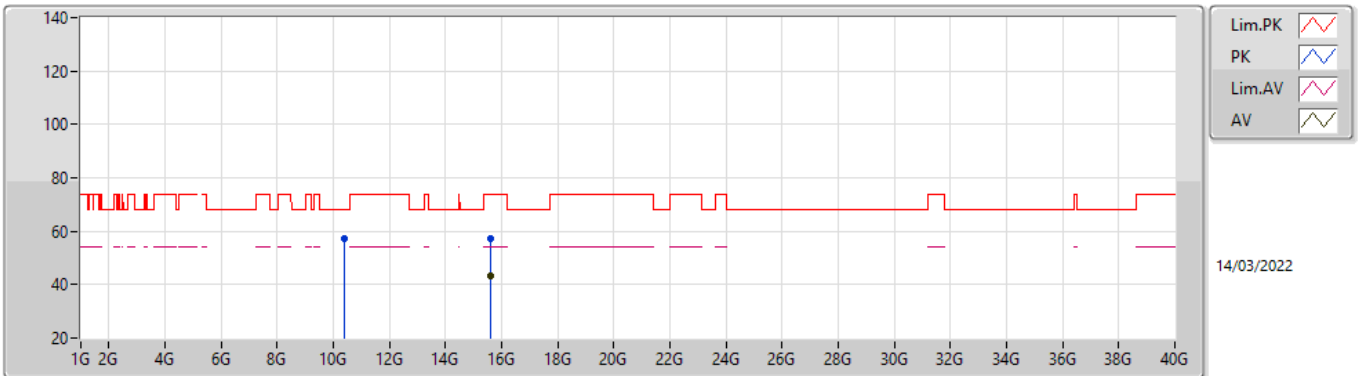


EUT X\_4TX  
Setting 24.5  
04-D-K-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.1472G      | 66.15             | 74.00             | -7.85          | 61.36         | 3           | Horizontal | 95             | 1.00          | -       | 32.91      | 5.05       | 33.17      |  |
| AV   | 5.08G        | 51.72             | 54.00             | -2.28          | 46.84         | 3           | Horizontal | 95             | 1.00          | -       | 33.06      | 4.98       | 33.16      |  |
| PK   | 5.197G       | 125.09            | Inf               | -Inf           | 120.17        | 3           | Horizontal | 95             | 1.00          | -       | 32.99      | 5.10       | 33.17      |  |
| AV   | 5.1964G      | 114.90            | Inf               | -Inf           | 109.98        | 3           | Horizontal | 95             | 1.00          | -       | 32.99      | 5.10       | 33.17      |  |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5200MHz\_TnomVnom

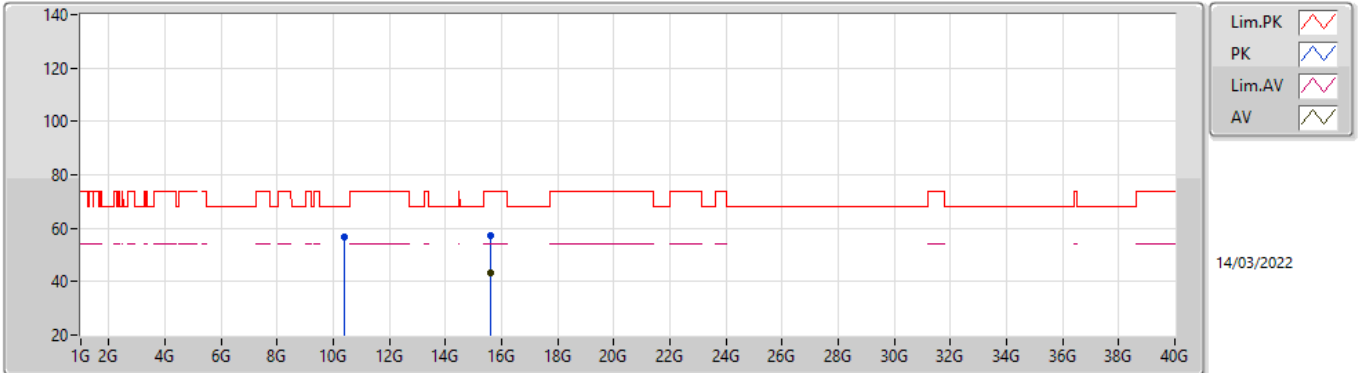


EUT\_X\_4TX  
Setting 24.5  
04-D-K-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.4G        | 57.39             | 68.20             | -10.81         | 44.53         | 3           | Vertical  | 349            | 2.17          | -       | 39.00      | 7.88       | 34.02      |
| PK   | 15.6035G     | 57.25             | 74.00             | -16.75         | 44.80         | 3           | Vertical  | 332            | 2.37          | -       | 38.59      | 9.00       | 35.14      |
| AV   | 15.59908G    | 43.39             | 54.00             | -10.61         | 30.93         | 3           | Vertical  | 332            | 2.37          | -       | 38.60      | 9.00       | 35.14      |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5200MHz\_TnomVnom

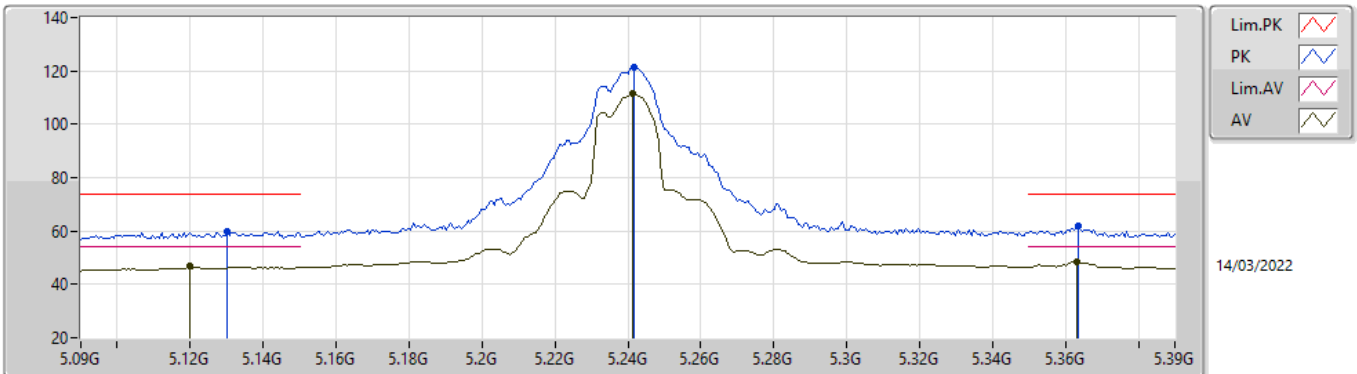


EUT\_X\_4TX  
Setting 24.5  
04-D-K-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.39986G    | 56.89             | 68.20             | -11.31         | 44.03         | 3           | Horizontal | 331            | 1.66          | -       | 39.00      | 7.88       | 34.02      |
| PK   | 15.60388G    | 57.31             | 74.00             | -16.69         | 44.86         | 3           | Horizontal | 360            | 2.31          | -       | 38.59      | 9.00       | 35.14      |
| AV   | 15.60224G    | 43.37             | 54.00             | -10.63         | 30.92         | 3           | Horizontal | 360            | 2.31          | -       | 38.59      | 9.00       | 35.14      |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5240MHz\_TnomVnom

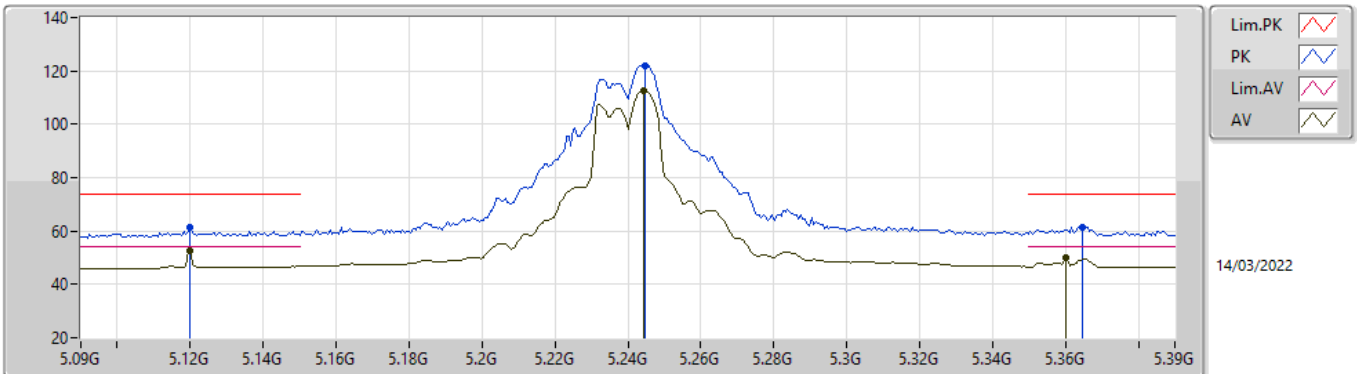


EUT\_X\_4TX  
Setting 24  
04-D-K-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.1302G      | 59.82             | 74.00             | -14.18         | 54.98         | 3           | Vertical  | 349            | 2.53          | -       | 32.98      | 5.03       | 33.17      |
| AV   | 5.12G        | 46.93             | 54.00             | -7.07          | 42.05         | 3           | Vertical  | 349            | 2.53          | -       | 33.02      | 5.02       | 33.16      |
| PK   | 5.2418G      | 121.41            | Inf               | -Inf           | 116.48        | 3           | Vertical  | 349            | 2.53          | -       | 33.00      | 5.10       | 33.17      |
| AV   | 5.2412G      | 111.36            | Inf               | -Inf           | 106.43        | 3           | Vertical  | 349            | 2.53          | -       | 33.00      | 5.10       | 33.17      |
| PK   | 5.3636G      | 61.92             | 74.00             | -12.08         | 56.81         | 3           | Vertical  | 349            | 2.53          | -       | 33.18      | 5.10       | 33.17      |
| AV   | 5.363G       | 48.41             | 54.00             | -5.59          | 43.30         | 3           | Vertical  | 349            | 2.53          | -       | 33.18      | 5.10       | 33.17      |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5240MHz\_TnomVnom

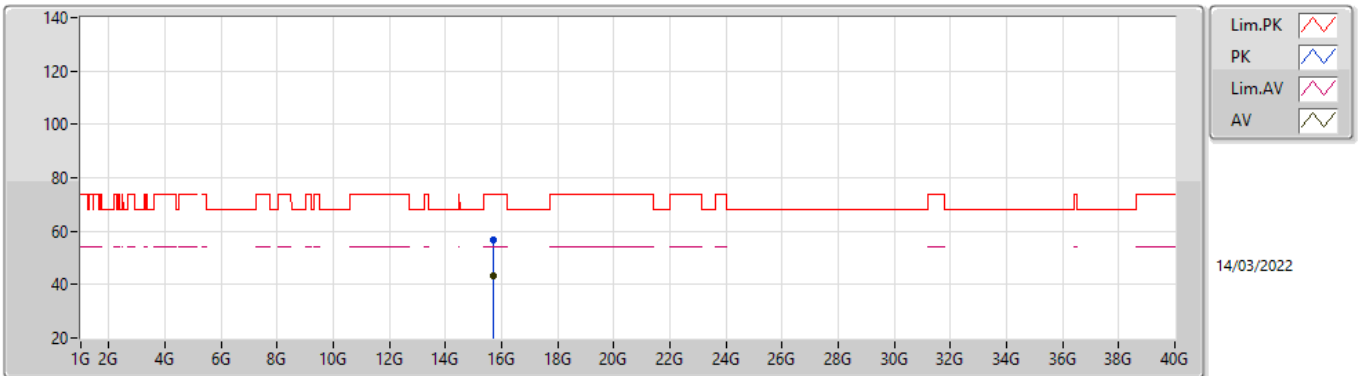


EUT\_X\_4TX  
Setting 24  
04-D-K-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.12G        | 61.40             | 74.00             | -12.60         | 56.52         | 3           | Horizontal | 121            | 1.29          | -       | 33.02      | 5.02       | 33.16      |
| AV   | 5.12G        | 52.78             | 54.00             | -1.22          | 47.90         | 3           | Horizontal | 121            | 1.29          | -       | 33.02      | 5.02       | 33.16      |
| PK   | 5.2448G      | 122.09            | Inf               | -Inf           | 117.16        | 3           | Horizontal | 121            | 1.29          | -       | 33.00      | 5.10       | 33.17      |
| AV   | 5.2442G      | 112.45            | Inf               | -Inf           | 107.52        | 3           | Horizontal | 121            | 1.29          | -       | 33.00      | 5.10       | 33.17      |
| PK   | 5.3648G      | 61.47             | 74.00             | -12.53         | 56.35         | 3           | Horizontal | 121            | 1.29          | -       | 33.19      | 5.10       | 33.17      |
| AV   | 5.36G        | 49.77             | 54.00             | -4.23          | 44.68         | 3           | Horizontal | 121            | 1.29          | -       | 33.16      | 5.10       | 33.17      |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5240MHz\_TnomVnom

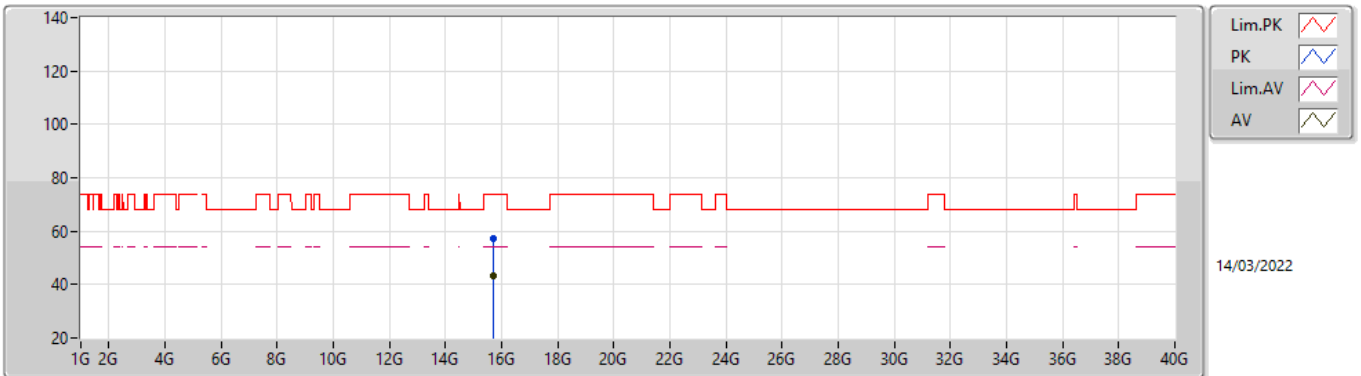


EUT\_X\_4TX  
Setting 24  
04-D-K-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 15.72314G    | 56.77             | 74.00             | -17.23         | 44.49         | 3           | Vertical  | 159            | 2.94          | -       | 38.39      | 9.03       | 35.14      |
| AV   | 15.72068G    | 43.12             | 54.00             | -10.88         | 30.85         | 3           | Vertical  | 159            | 2.94          | -       | 38.38      | 9.03       | 35.14      |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5240MHz\_TnomVnom

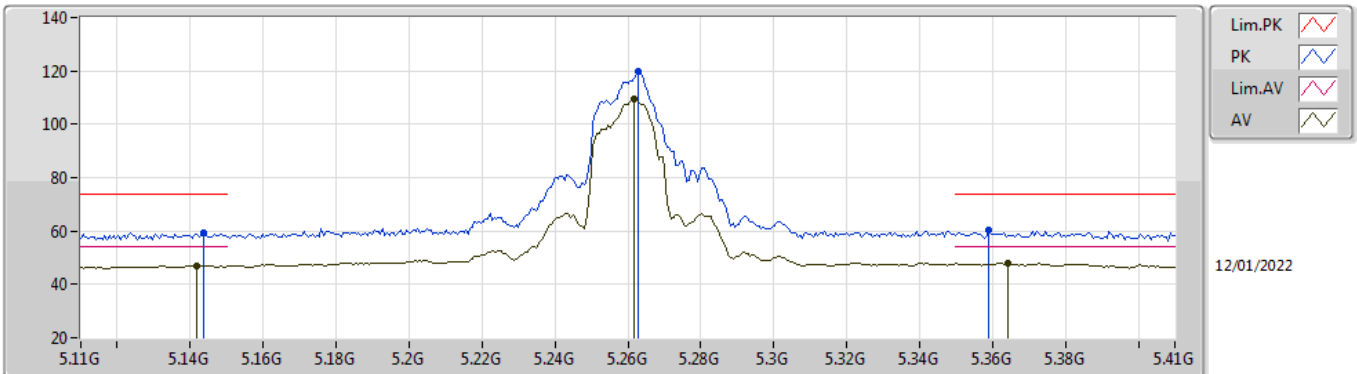


EUT\_X\_4TX  
Setting 24  
04-D-K-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 15.71576G    | 57.03             | 74.00             | -16.97         | 44.78         | 3           | Horizontal | 88             | 1.33          | -       | 38.36      | 9.03       | 35.14      |
| AV   | 15.71892G    | 43.12             | 54.00             | -10.88         | 30.85         | 3           | Horizontal | 88             | 1.33          | -       | 38.38      | 9.03       | 35.14      |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5260MHz\_TnomVnom

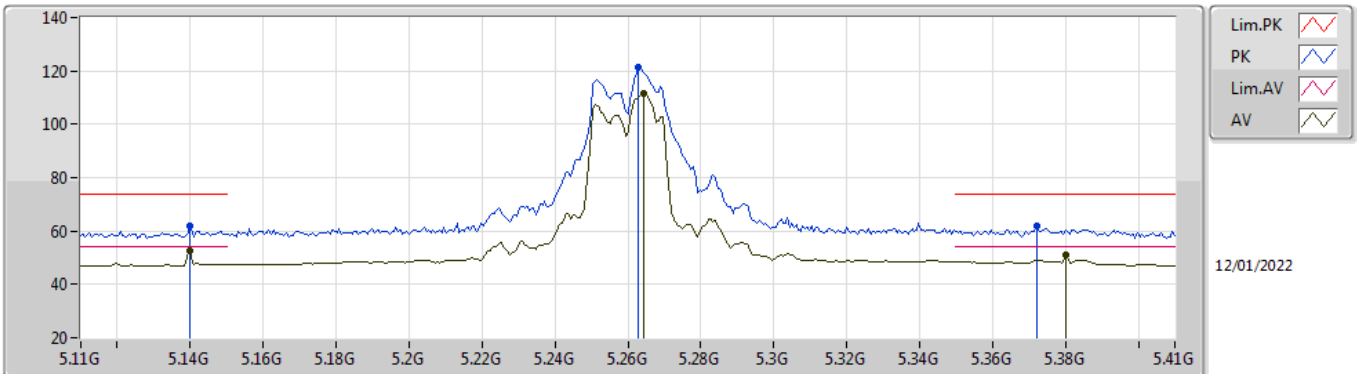


EUT\_X\_4TX  
Setting 21.5  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.1436G      | 59.47             | 74.00             | -14.53         | 53.96         | 3           | Vertical  | 347            | 2.64          | -       | 31.74      | 5.74       | 31.97      |
| AV   | 5.1418G      | 47.09             | 54.00             | -6.91          | 41.57         | 3           | Vertical  | 347            | 2.64          | -       | 31.75      | 5.74       | 31.97      |
| PK   | 5.263G       | 119.97            | Inf               | -Inf           | 115.10        | 3           | Vertical  | 347            | 2.64          | -       | 31.10      | 5.80       | 32.03      |
| AV   | 5.2618G      | 109.49            | Inf               | -Inf           | 104.62        | 3           | Vertical  | 347            | 2.64          | -       | 31.10      | 5.80       | 32.03      |
| PK   | 5.359G       | 60.32             | 74.00             | -13.68         | 55.44         | 3           | Vertical  | 347            | 2.64          | -       | 31.15      | 5.80       | 32.07      |
| AV   | 5.3644G      | 47.84             | 54.00             | -6.16          | 42.92         | 3           | Vertical  | 347            | 2.64          | -       | 31.19      | 5.80       | 32.07      |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5260MHz\_TnomVnom

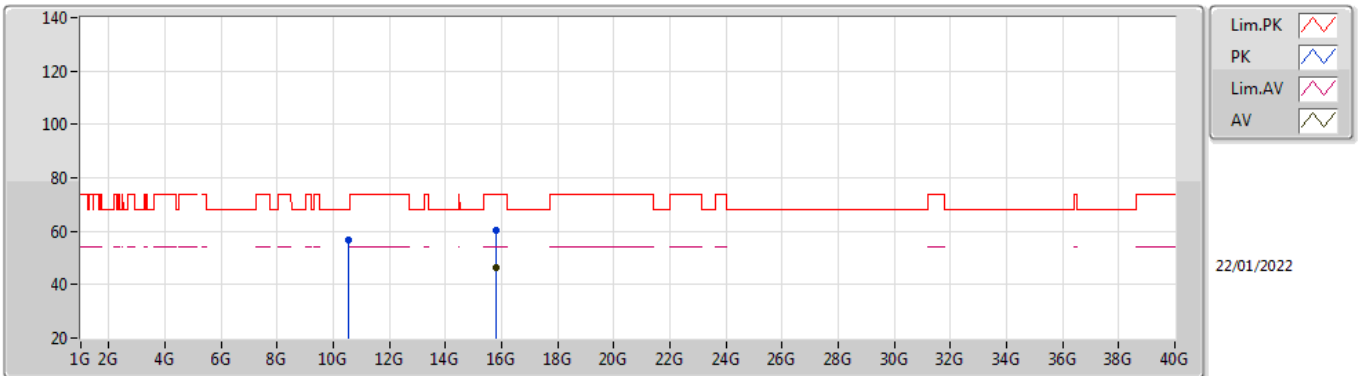


EUT\_X\_4TX  
Setting 21.5  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.14G        | 61.84             | 74.00             | -12.16         | 56.31         | 3           | Horizontal | 118            | 1.20          | -       | 31.76      | 5.74       | 31.97      |
| AV   | 5.14G        | 52.51             | 54.00             | -1.49          | 46.98         | 3           | Horizontal | 118            | 1.20          | -       | 31.76      | 5.74       | 31.97      |
| PK   | 5.263G       | 121.59            | Inf               | -Inf           | 116.72        | 3           | Horizontal | 118            | 1.20          | -       | 31.10      | 5.80       | 32.03      |
| AV   | 5.2642G      | 111.32            | Inf               | -Inf           | 106.45        | 3           | Horizontal | 118            | 1.20          | -       | 31.10      | 5.80       | 32.03      |
| PK   | 5.3722G      | 61.69             | 74.00             | -12.31         | 56.73         | 3           | Horizontal | 118            | 1.20          | -       | 31.23      | 5.80       | 32.07      |
| AV   | 5.38G        | 50.99             | 54.00             | -3.01          | 45.99         | 3           | Horizontal | 118            | 1.20          | -       | 31.28      | 5.80       | 32.08      |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5260MHz\_TnomVnom

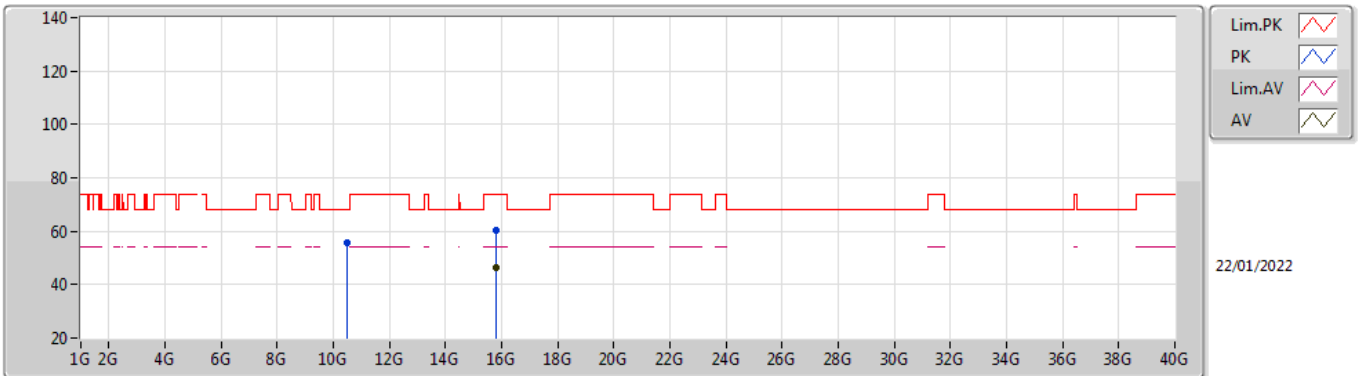


EUT\_X\_4TX  
Setting 21.5  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.52004G    | 56.93             | 68.20             | -11.27         | 42.54         | 3           | Vertical  | 338            | 1.80          | -       | 39.62      | 8.91       | 34.14      |
| PK   | 15.78172G    | 60.21             | 74.00             | -13.79         | 44.28         | 3           | Vertical  | 52             | 2.33          | -       | 37.80      | 12.46      | 34.33      |
| AV   | 15.78G       | 46.40             | 54.00             | -7.60          | 30.47         | 3           | Vertical  | 52             | 2.33          | -       | 37.80      | 12.46      | 34.33      |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5260MHz\_TnomVnom

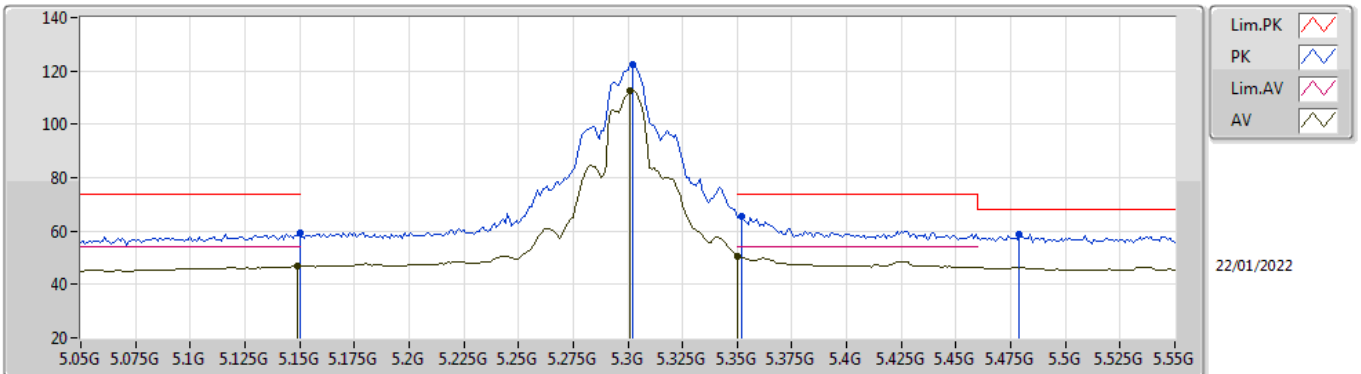


EUT X\_4TX  
Setting 21.5  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.5156G     | 55.73             | 68.20             | -12.47         | 41.34         | 3           | Horizontal | 163            | 2.83          | -       | 39.62      | 8.91       | 34.14      |
| PK   | 15.78024G    | 60.11             | 74.00             | -13.89         | 44.18         | 3           | Horizontal | 85             | 2.64          | -       | 37.80      | 12.46      | 34.33      |
| AV   | 15.78076G    | 46.47             | 54.00             | -7.53          | 30.54         | 3           | Horizontal | 85             | 2.64          | -       | 37.80      | 12.46      | 34.33      |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5300MHz\_TnomVnom

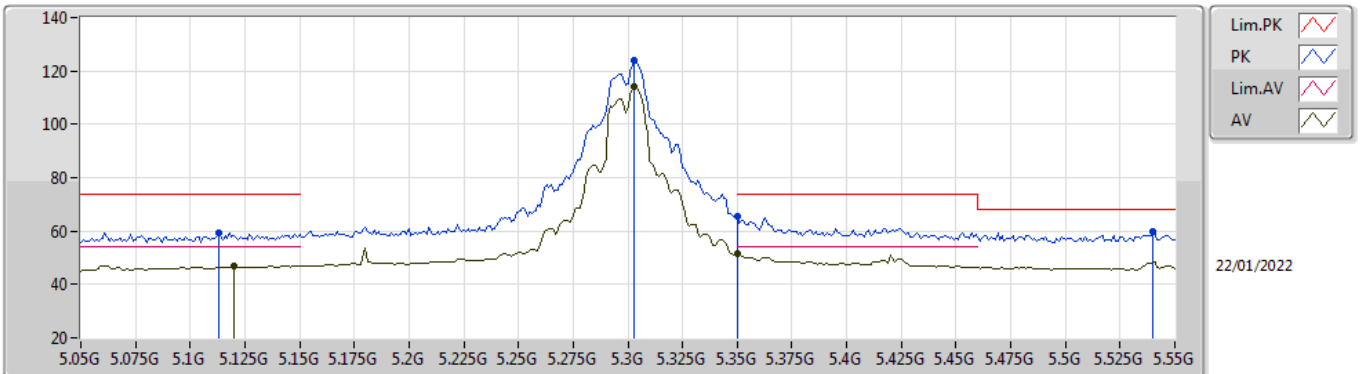


EUT X\_4TX  
Setting 25  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.15G        | 59.32             | 74.00             | -14.68         | 53.85         | 3           | Vertical  | 349            | 2.61          | -       | 31.70      | 5.75       | 31.98      |
| AV   | 5.149G       | 46.76             | 54.00             | -7.24          | 41.28         | 3           | Vertical  | 349            | 2.61          | -       | 31.71      | 5.75       | 31.98      |
| PK   | 5.302G       | 122.48            | Inf               | -Inf           | 117.62        | 3           | Vertical  | 349            | 2.61          | -       | 31.10      | 5.80       | 32.04      |
| AV   | 5.301G       | 112.63            | Inf               | -Inf           | 107.77        | 3           | Vertical  | 349            | 2.61          | -       | 31.10      | 5.80       | 32.04      |
| PK   | 5.352G       | 65.46             | 74.00             | -8.54          | 60.61         | 3           | Vertical  | 349            | 2.61          | -       | 31.11      | 5.80       | 32.06      |
| AV   | 5.35G        | 50.67             | 54.00             | -3.33          | 45.83         | 3           | Vertical  | 349            | 2.61          | -       | 31.10      | 5.80       | 32.06      |
| PK   | 5.479G       | 58.57             | 68.20             | -9.63          | 53.31         | 3           | Vertical  | 349            | 2.61          | -       | 31.50      | 5.88       | 32.12      |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5300MHz\_TnomVnom

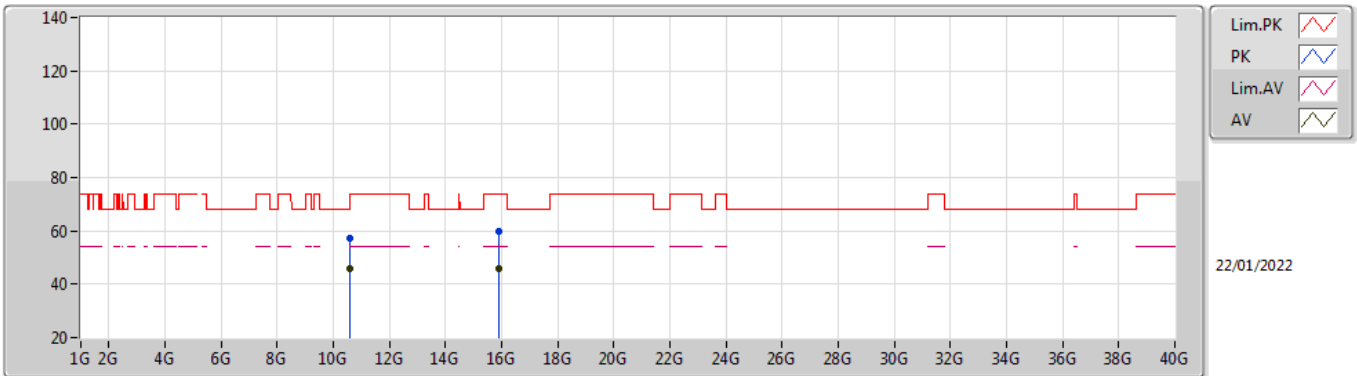


EUT\_X\_4TX  
Setting 25  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.113G       | 59.43             | 74.00             | -14.57         | 53.76         | 3           | Horizontal | 116            | 1.08          | -       | 31.92      | 5.71       | 31.96      |
| AV   | 5.12G        | 47.00             | 54.00             | -7.00          | 41.36         | 3           | Horizontal | 116            | 1.08          | -       | 31.88      | 5.72       | 31.96      |
| PK   | 5.303G       | 123.91            | Inf               | -Inf           | 119.05        | 3           | Horizontal | 116            | 1.08          | -       | 31.10      | 5.80       | 32.04      |
| AV   | 5.303G       | 114.11            | Inf               | -Inf           | 109.25        | 3           | Horizontal | 116            | 1.08          | -       | 31.10      | 5.80       | 32.04      |
| PK   | 5.35G        | 65.63             | 74.00             | -8.37          | 60.79         | 3           | Horizontal | 116            | 1.08          | -       | 31.10      | 5.80       | 32.06      |
| AV   | 5.35G        | 51.36             | 54.00             | -2.64          | 46.52         | 3           | Horizontal | 116            | 1.08          | -       | 31.10      | 5.80       | 32.06      |
| PK   | 5.54G        | 59.60             | 68.20             | -8.60          | 54.31         | 3           | Horizontal | 116            | 1.08          | -       | 31.50      | 5.94       | 32.15      |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5300MHz\_TnomVnom

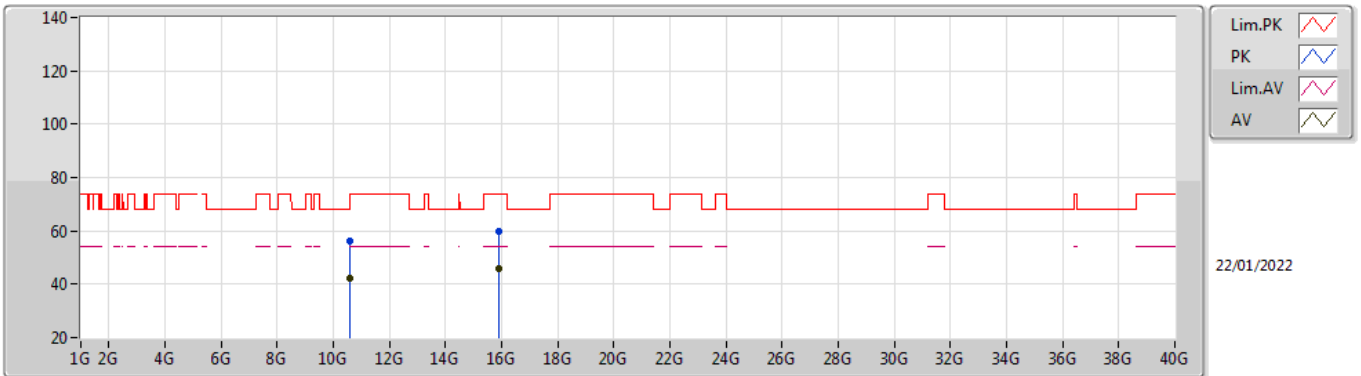


EUT\_X\_4TX  
Setting 25  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.60008G    | 57.19             | 74.00             | -16.81         | 42.69         | 3           | Vertical  | 342            | 2.19          | -       | 39.70      | 8.96       | 34.16      |
| AV   | 10.6G        | 46.06             | 54.00             | -7.94          | 31.56         | 3           | Vertical  | 342            | 2.19          | -       | 39.70      | 8.96       | 34.16      |
| PK   | 15.8922G     | 59.79             | 74.00             | -14.21         | 44.02         | 3           | Vertical  | 14             | 2.91          | -       | 37.62      | 12.53      | 34.38      |
| AV   | 15.90508G    | 45.83             | 54.00             | -8.17          | 30.08         | 3           | Vertical  | 14             | 2.91          | -       | 37.59      | 12.54      | 34.38      |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5300MHz\_TnomVnom

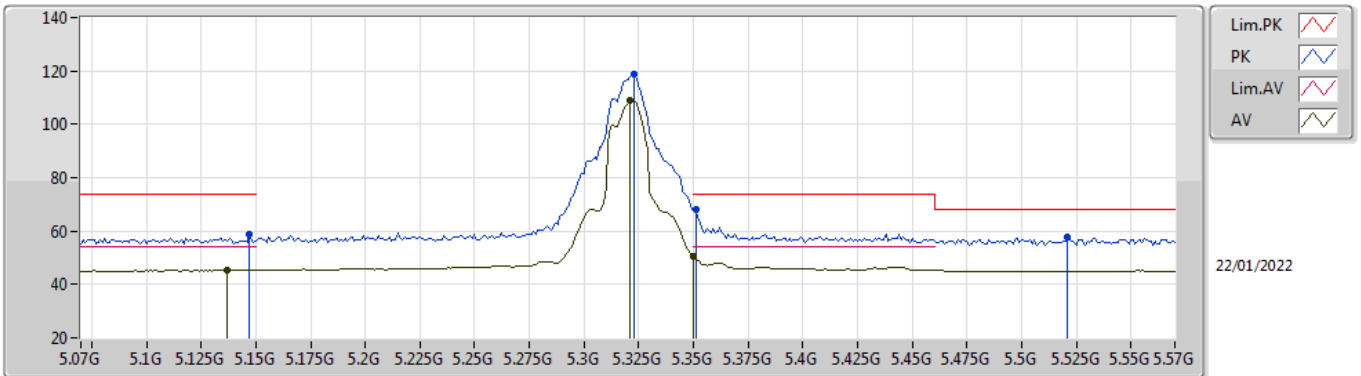


EUT\_X\_4TX  
Setting 25  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.60508G    | 56.00             | 74.00             | -18.00         | 41.51         | 3           | Horizontal | 303            | 1.00          | -       | 39.69      | 8.96       | 34.16      |
| AV   | 10.60008G    | 42.33             | 54.00             | -11.67         | 27.83         | 3           | Horizontal | 303            | 1.00          | -       | 39.70      | 8.96       | 34.16      |
| PK   | 15.90268G    | 59.86             | 74.00             | -14.14         | 44.11         | 3           | Horizontal | 195            | 1.67          | -       | 37.59      | 12.54      | 34.38      |
| AV   | 15.90844G    | 45.93             | 54.00             | -8.07          | 30.19         | 3           | Horizontal | 195            | 1.67          | -       | 37.58      | 12.54      | 34.38      |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5320MHz\_TnomVnom

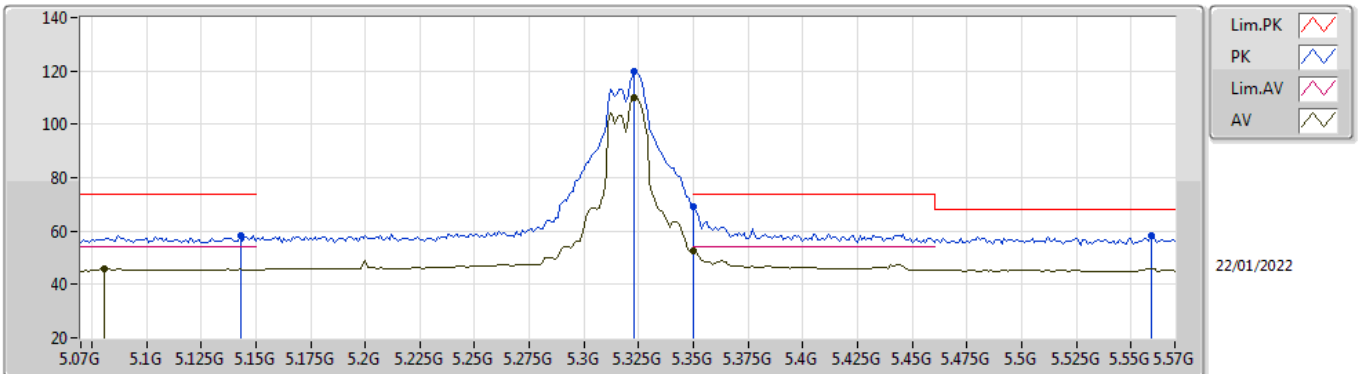


EUT\_X\_4TX  
Setting 21.5  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.147G       | 58.74             | 74.00             | -15.26         | 53.24         | 3           | Vertical  | 348            | 2.48          | -       | 31.72      | 5.75       | 31.97      |
| AV   | 5.137G       | 45.42             | 54.00             | -8.58          | 39.87         | 3           | Vertical  | 348            | 2.48          | -       | 31.78      | 5.74       | 31.97      |
| PK   | 5.323G       | 118.85            | Inf               | -Inf           | 114.00        | 3           | Vertical  | 348            | 2.48          | -       | 31.10      | 5.80       | 32.05      |
| AV   | 5.321G       | 108.95            | Inf               | -Inf           | 104.10        | 3           | Vertical  | 348            | 2.48          | -       | 31.10      | 5.80       | 32.05      |
| PK   | 5.351G       | 68.24             | 74.00             | -5.76          | 63.39         | 3           | Vertical  | 348            | 2.48          | -       | 31.11      | 5.80       | 32.06      |
| AV   | 5.35G        | 50.52             | 54.00             | -3.48          | 45.68         | 3           | Vertical  | 348            | 2.48          | -       | 31.10      | 5.80       | 32.06      |
| PK   | 5.521G       | 57.55             | 68.20             | -10.65         | 52.27         | 3           | Vertical  | 348            | 2.48          | -       | 31.50      | 5.92       | 32.14      |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5320MHz\_TnomVnom

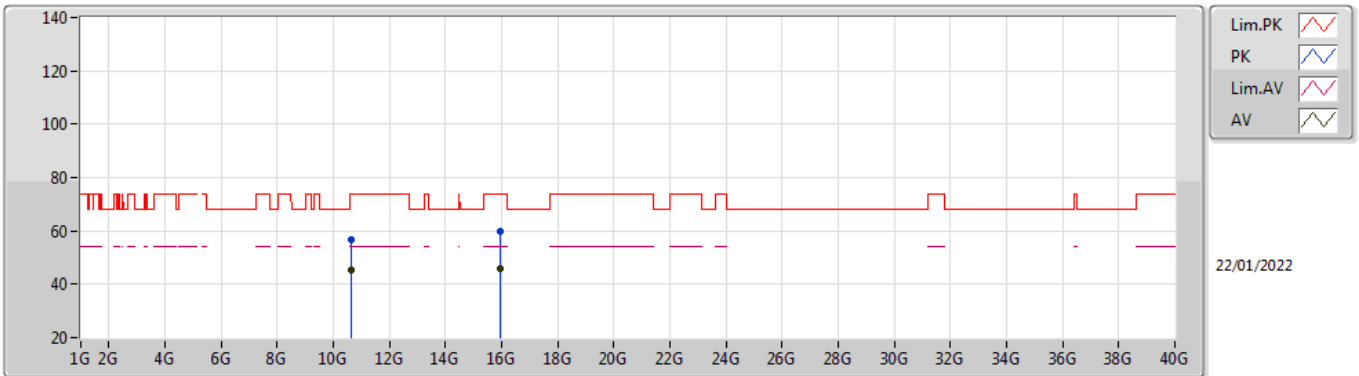


EUT\_X\_4TX  
Setting 21.5  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.143G       | 58.41             | 74.00             | -15.59         | 52.90         | 3           | Horizontal | 121            | 1.04          | -       | 31.74      | 5.74       | 31.97      |
| AV   | 5.081G       | 46.06             | 54.00             | -7.94          | 40.52         | 3           | Horizontal | 121            | 1.04          | -       | 31.81      | 5.68       | 31.95      |
| PK   | 5.323G       | 119.91            | Inf               | -Inf           | 115.06        | 3           | Horizontal | 121            | 1.04          | -       | 31.10      | 5.80       | 32.05      |
| AV   | 5.323G       | 110.13            | Inf               | -Inf           | 105.28        | 3           | Horizontal | 121            | 1.04          | -       | 31.10      | 5.80       | 32.05      |
| PK   | 5.35G        | 68.90             | 74.00             | -5.10          | 64.06         | 3           | Horizontal | 121            | 1.04          | -       | 31.10      | 5.80       | 32.06      |
| AV   | 5.35G        | 52.55             | 54.00             | -1.45          | 47.71         | 3           | Horizontal | 121            | 1.04          | -       | 31.10      | 5.80       | 32.06      |
| PK   | 5.559G       | 58.14             | 68.20             | -10.06         | 52.83         | 3           | Horizontal | 121            | 1.04          | -       | 31.52      | 5.96       | 32.17      |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5320MHz\_TnomVnom

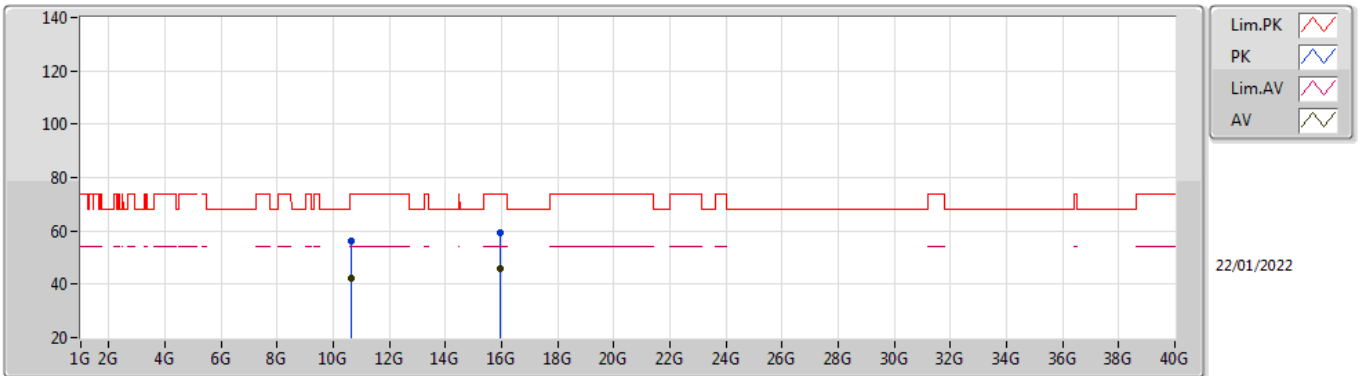


EUT\_X\_4TX  
Setting 21.5  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 10.64016G    | 56.85             | 74.00             | -17.15         | 42.38         | 3           | Vertical  | 338            | 1.80          | -       | 39.66      | 8.98       | 34.17      |  |
| AV   | 10.63996G    | 45.19             | 54.00             | -8.81          | 30.72         | 3           | Vertical  | 338            | 1.80          | -       | 39.66      | 8.98       | 34.17      |  |
| PK   | 15.96272G    | 59.79             | 74.00             | -14.21         | 44.15         | 3           | Vertical  | 95             | 2.72          | -       | 37.47      | 12.58      | 34.41      |  |
| AV   | 15.9644G     | 45.61             | 54.00             | -8.39          | 29.97         | 3           | Vertical  | 95             | 2.72          | -       | 37.47      | 12.58      | 34.41      |  |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5320MHz\_TnomVnom

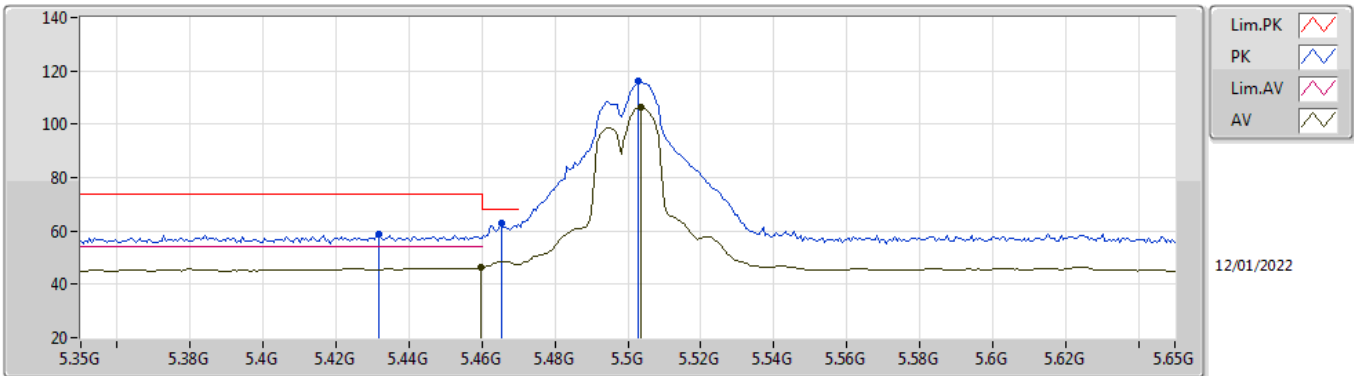


EUT\_X\_4TX  
Setting 21.5  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.64032G    | 55.98             | 74.00             | -18.02         | 41.51         | 3           | Horizontal | 131            | 1.02          | -       | 39.66      | 8.98       | 34.17      |
| AV   | 10.64028G    | 42.41             | 54.00             | -11.59         | 27.94         | 3           | Horizontal | 131            | 1.02          | -       | 39.66      | 8.98       | 34.17      |
| PK   | 15.96772G    | 59.35             | 74.00             | -14.65         | 43.72         | 3           | Horizontal | 211            | 2.72          | -       | 37.46      | 12.58      | 34.41      |
| AV   | 15.96752G    | 45.66             | 54.00             | -8.34          | 30.03         | 3           | Horizontal | 211            | 2.72          | -       | 37.46      | 12.58      | 34.41      |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5500MHz\_TnomVnom

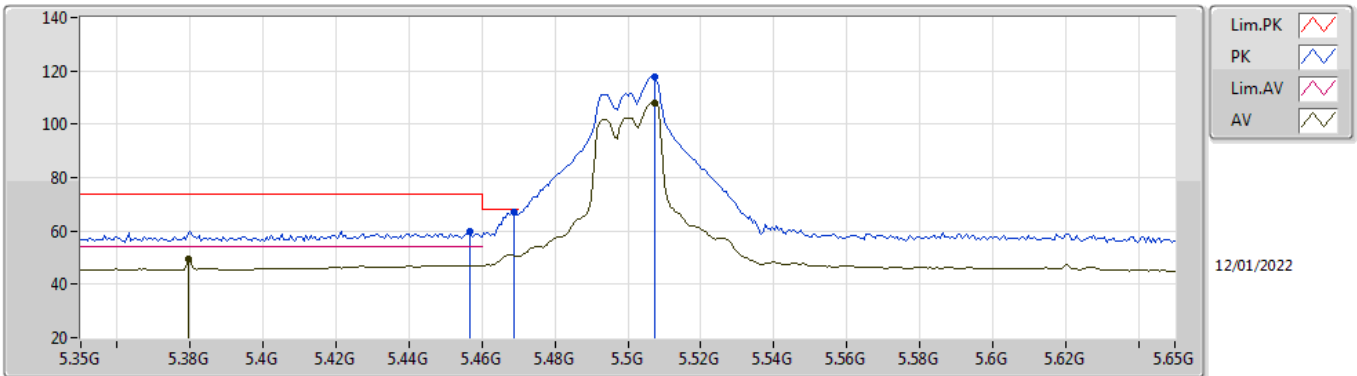


EUT\_X\_4TX  
Setting 20.5  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.4316G      | 58.76             | 74.00             | -15.24         | 53.57         | 3           | Vertical  | 2              | 2.95          | -       | 31.46      | 5.83       | 32.10      |
| PK   | 5.4652G      | 62.79             | 68.20             | -5.41          | 57.53         | 3           | Vertical  | 2              | 2.95          | -       | 31.50      | 5.87       | 32.11      |
| AV   | 5.4598G      | 46.14             | 54.00             | -7.86          | 40.89         | 3           | Vertical  | 2              | 2.95          | -       | 31.50      | 5.86       | 32.11      |
| PK   | 5.503G       | 115.98            | Inf               | -Inf           | 110.71        | 3           | Vertical  | 2              | 2.95          | -       | 31.50      | 5.90       | 32.13      |
| AV   | 5.5036G      | 106.22            | Inf               | -Inf           | 100.95        | 3           | Vertical  | 2              | 2.95          | -       | 31.50      | 5.90       | 32.13      |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5500MHz\_TnomVnom

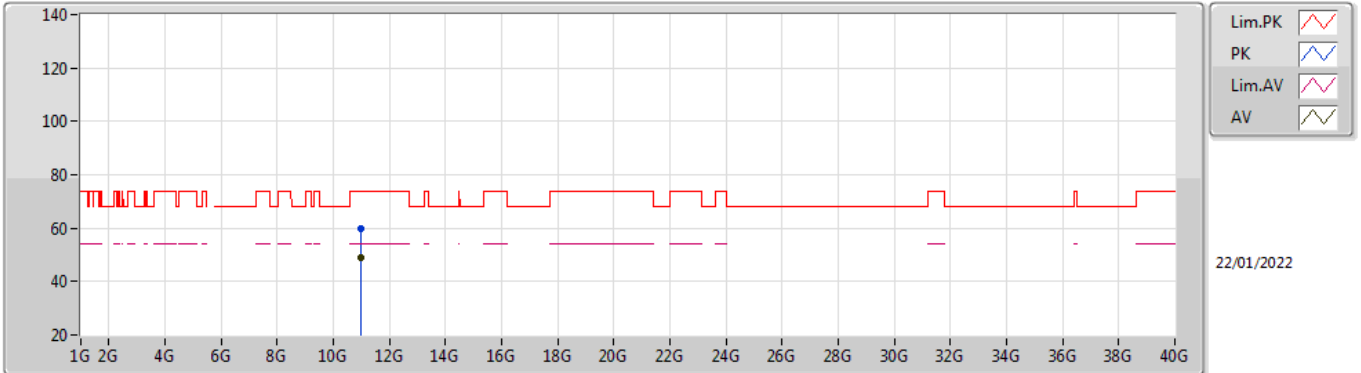


EUT\_X\_4TX  
Setting 20.5  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| AV   | 5.3794G      | 49.70             | 54.00             | -4.30          | 44.70         | 3           | Horizontal | 125            | 1.99          | -       | 31.28      | 5.80       | 32.08      |  |
| PK   | 5.4568G      | 59.71             | 74.00             | -14.29         | 54.46         | 3           | Horizontal | 125            | 1.99          | -       | 31.50      | 5.86       | 32.11      |  |
| PK   | 5.4688G      | 67.16             | 68.20             | -1.04          | 61.91         | 3           | Horizontal | 125            | 1.99          | -       | 31.50      | 5.87       | 32.12      |  |
| PK   | 5.5072G      | 117.96            | Inf               | -Inf           | 112.68        | 3           | Horizontal | 125            | 1.99          | -       | 31.50      | 5.91       | 32.13      |  |
| AV   | 5.5072G      | 108.15            | Inf               | -Inf           | 102.87        | 3           | Horizontal | 125            | 1.99          | -       | 31.50      | 5.91       | 32.13      |  |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5500MHz\_TnomVnom

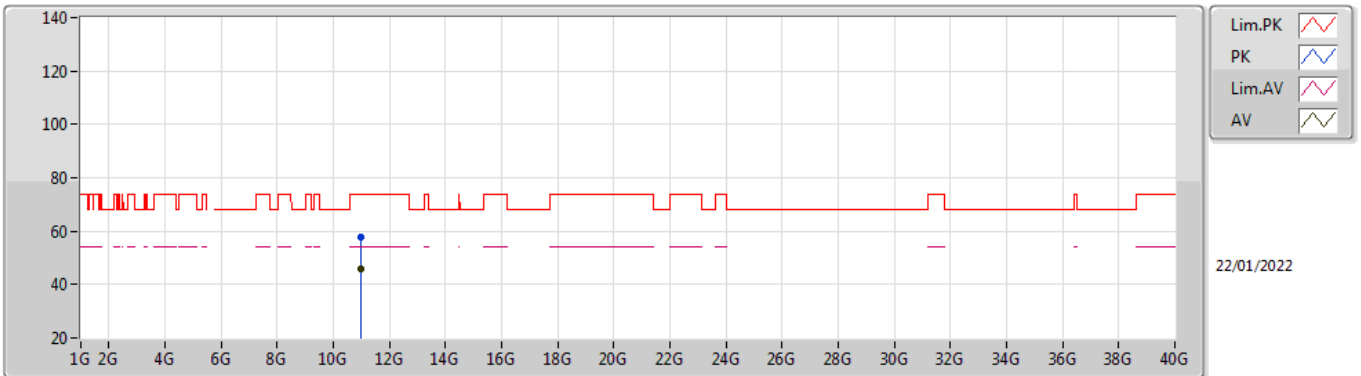


EUT\_X\_4TX  
Setting 20.5  
06-F-B-4

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition | Azimuth | Height | Comment | AF    | CL   | PA    |  |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|---------|-------|------|-------|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |           | (°)     | (m)    |         | (dB)  | (dB) | (dB)  |  |
| PK   | 11.00008G | 59.89    | 74.00    | -14.11 | 44.72  | 3    | Vertical  | 328     | 1.87   | -       | 40.20 | 9.20 | 34.23 |  |
| AV   | 10.99996G | 49.03    | 54.00    | -4.97  | 33.86  | 3    | Vertical  | 328     | 1.87   | -       | 40.20 | 9.20 | 34.23 |  |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5500MHz\_TnomVnom

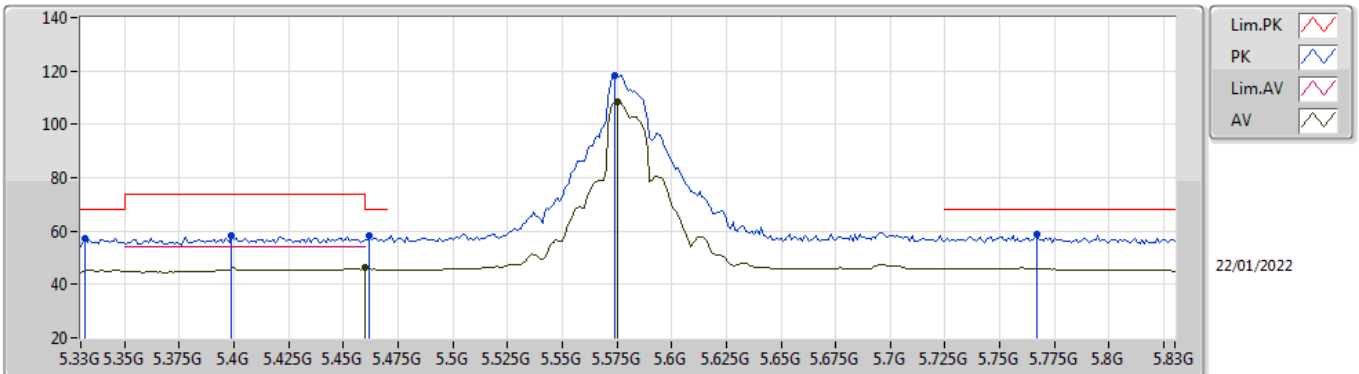


EUT X\_4TX  
Setting 20.5  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 10.99508G    | 57.54             | 74.00             | -16.46         | 42.37         | 3           | Horizontal | 320            | 1.64          | -       | 40.20      | 9.20       | 34.23      |  |
| AV   | 11.00004G    | 45.74             | 54.00             | -8.26          | 30.57         | 3           | Horizontal | 320            | 1.64          | -       | 40.20      | 9.20       | 34.23      |  |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5580MHz\_TnomVnom

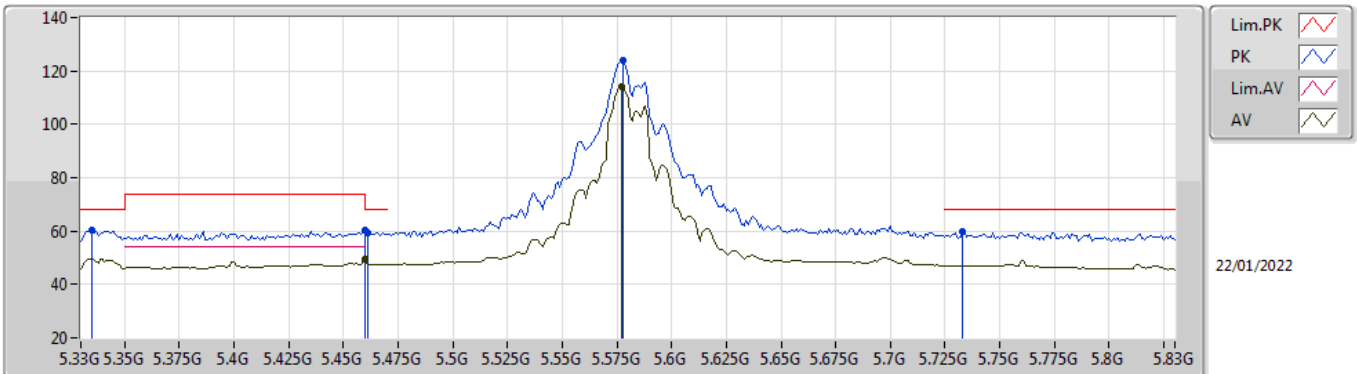


EUT\_X\_4TX  
Setting 25  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.332G       | 57.40             | 68.20             | -10.80         | 52.56         | 3           | Vertical  | 98             | 1.79          | -       | 31.10      | 5.80       | 32.06      |  |
| PK   | 5.399G       | 58.37             | 74.00             | -15.63         | 53.27         | 3           | Vertical  | 98             | 1.79          | -       | 31.39      | 5.80       | 32.09      |  |
| PK   | 5.462G       | 58.22             | 68.20             | -9.98          | 52.97         | 3           | Vertical  | 98             | 1.79          | -       | 31.50      | 5.86       | 32.11      |  |
| AV   | 5.46G        | 46.48             | 54.00             | -7.52          | 41.23         | 3           | Vertical  | 98             | 1.79          | -       | 31.50      | 5.86       | 32.11      |  |
| PK   | 5.574G       | 118.32            | Inf               | -Inf           | 112.97        | 3           | Vertical  | 98             | 1.79          | -       | 31.55      | 5.97       | 32.17      |  |
| AV   | 5.575G       | 108.59            | Inf               | -Inf           | 103.25        | 3           | Vertical  | 98             | 1.79          | -       | 31.55      | 5.97       | 32.18      |  |
| PK   | 5.767G       | 58.56             | 68.20             | -9.64          | 52.85         | 3           | Vertical  | 98             | 1.79          | -       | 32.00      | 6.00       | 32.29      |  |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5580MHz\_TnomVnom

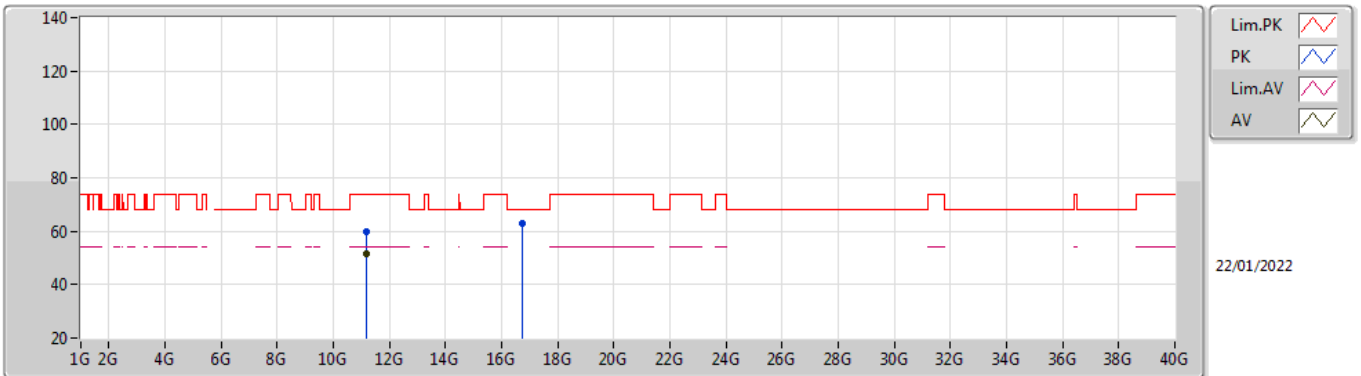


EUT X\_4TX  
Setting 25  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.335G       | 60.39             | 68.20             | -7.81          | 55.55         | 3           | Horizontal | 95             | 1.00          | -       | 31.10      | 5.80       | 32.06      |  |
| PK   | 5.46G        | 60.34             | 74.00             | -13.66         | 55.09         | 3           | Horizontal | 95             | 1.00          | -       | 31.50      | 5.86       | 32.11      |  |
| AV   | 5.46G        | 49.50             | 54.00             | -4.50          | 44.25         | 3           | Horizontal | 95             | 1.00          | -       | 31.50      | 5.86       | 32.11      |  |
| PK   | 5.461G       | 59.51             | 68.20             | -8.69          | 54.26         | 3           | Horizontal | 95             | 1.00          | -       | 31.50      | 5.86       | 32.11      |  |
| PK   | 5.578G       | 123.92            | Inf               | -Inf           | 118.56        | 3           | Horizontal | 95             | 1.00          | -       | 31.56      | 5.98       | 32.18      |  |
| AV   | 5.577G       | 114.00            | Inf               | -Inf           | 108.65        | 3           | Horizontal | 95             | 1.00          | -       | 31.55      | 5.98       | 32.18      |  |
| PK   | 5.733G       | 59.62             | 68.20             | -8.58          | 53.96         | 3           | Horizontal | 95             | 1.00          | -       | 31.93      | 6.00       | 32.27      |  |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5580MHz\_TnomVnom

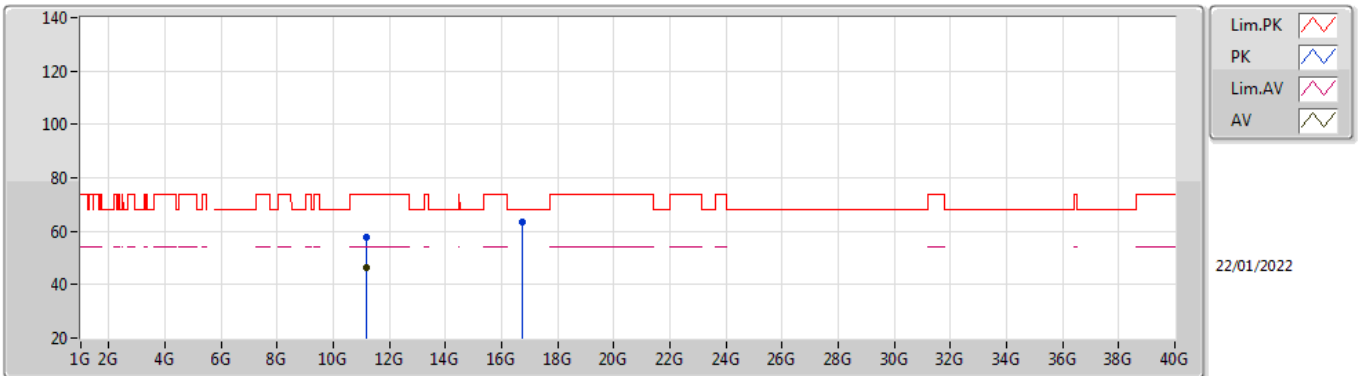


EUT\_X\_4TX  
Setting 25  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 11.15994G    | 59.63             | 74.00             | -14.37         | 44.91         | 3           | Vertical  | 45             | 2.28          | -       | 39.68      | 9.30       | 34.26      |
| AV   | 11.16G       | 51.80             | 54.00             | -2.20          | 37.08         | 3           | Vertical  | 45             | 2.28          | -       | 39.68      | 9.30       | 34.26      |
| PK   | 16.72698G    | 62.72             | 68.20             | -5.48          | 43.71         | 3           | Vertical  | 359            | 2.34          | -       | 40.06      | 13.44      | 34.49      |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5580MHz\_TnomVnom

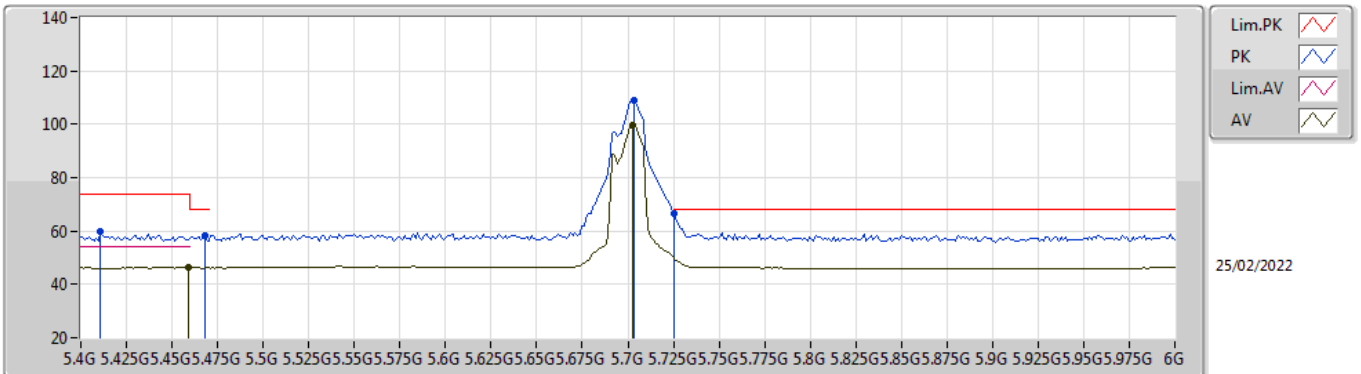


EUT\_X\_4TX  
Setting 25  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 11.15988G    | 57.80             | 74.00             | -16.20         | 43.08         | 3           | Horizontal | 43             | 1.64          | -       | 39.68      | 9.30       | 34.26      |
| AV   | 11.16G       | 46.49             | 54.00             | -7.51          | 31.77         | 3           | Horizontal | 43             | 1.64          | -       | 39.68      | 9.30       | 34.26      |
| PK   | 16.74822G    | 63.54             | 68.20             | -4.66          | 44.38         | 3           | Horizontal | 224            | 1.40          | -       | 40.19      | 13.46      | 34.49      |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5700MHz\_TnomVnom

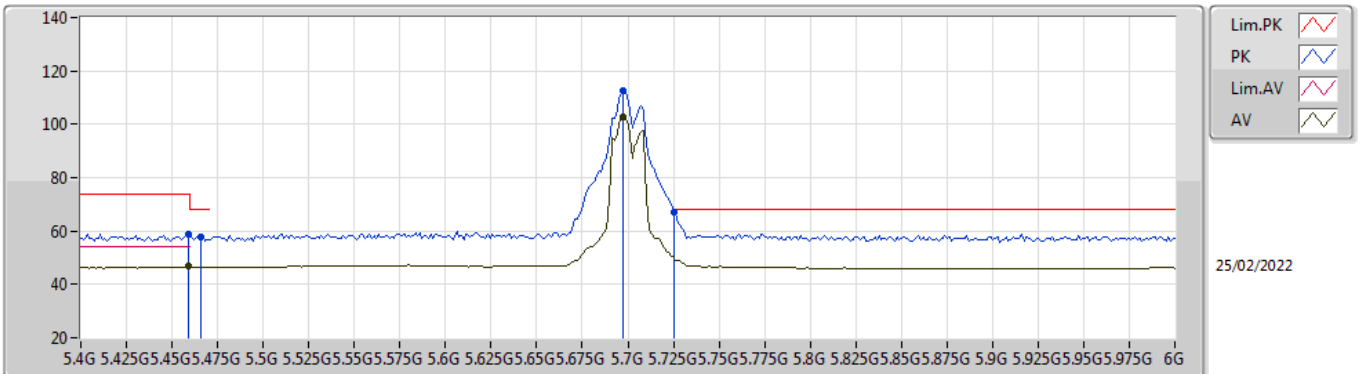


EUT\_X\_4TX  
Setting 12  
03-F-K-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.4108G      | 59.77             | 74.00             | -14.23         | 53.32         | 3           | Vertical  | 10             | 2.59          | -       | 34.58      | 7.22       | 35.35      |
| PK   | 5.4684G      | 58.27             | 68.20             | -9.93          | 51.74         | 3           | Vertical  | 10             | 2.59          | -       | 34.54      | 7.34       | 35.35      |
| AV   | 5.4588G      | 46.44             | 54.00             | -7.56          | 39.95         | 3           | Vertical  | 10             | 2.59          | -       | 34.52      | 7.32       | 35.35      |
| PK   | 5.7036G      | 109.21            | Inf               | -Inf           | 102.87        | 3           | Vertical  | 10             | 2.59          | -       | 34.29      | 7.50       | 35.45      |
| AV   | 5.7024G      | 99.74             | Inf               | -Inf           | 93.39         | 3           | Vertical  | 10             | 2.59          | -       | 34.30      | 7.50       | 35.45      |
| PK   | 5.7252G      | 66.80             | 68.20             | -1.40          | 60.54         | 3           | Vertical  | 10             | 2.59          | -       | 34.25      | 7.47       | 35.46      |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5700MHz\_TnomVnom

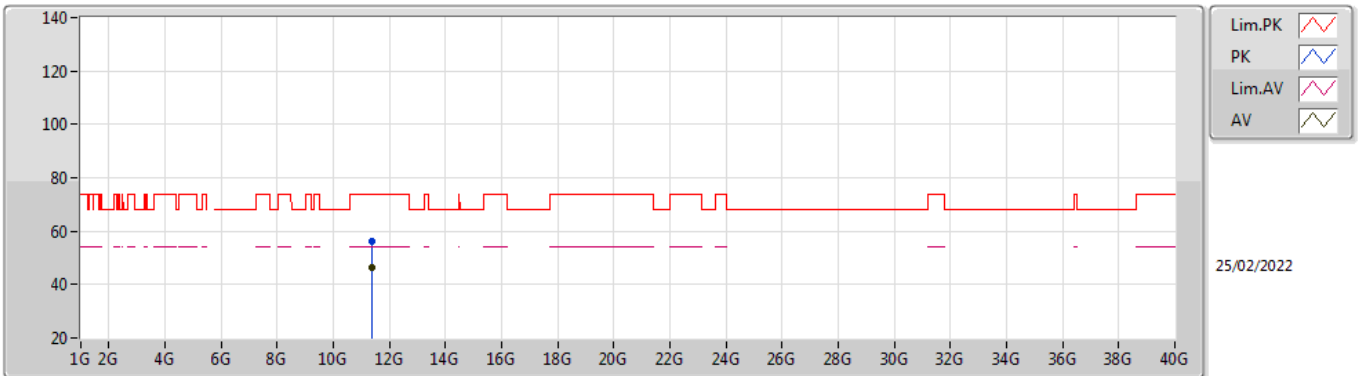


EUT\_X\_4TX  
Setting 12  
03-F-K-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.4588G      | 59.04             | 74.00             | -14.96         | 52.55         | 3           | Horizontal | 94             | 1.00          | -       | 34.52      | 7.32       | 35.35      |  |
| AV   | 5.4588G      | 46.68             | 54.00             | -7.32          | 40.19         | 3           | Horizontal | 94             | 1.00          | -       | 34.52      | 7.32       | 35.35      |  |
| PK   | 5.466G       | 57.72             | 68.20             | -10.48         | 51.21         | 3           | Horizontal | 94             | 1.00          | -       | 34.53      | 7.33       | 35.35      |  |
| PK   | 5.6976G      | 112.48            | Inf               | -Inf           | 106.12        | 3           | Horizontal | 94             | 1.00          | -       | 34.31      | 7.50       | 35.45      |  |
| AV   | 5.6976G      | 102.87            | Inf               | -Inf           | 96.51         | 3           | Horizontal | 94             | 1.00          | -       | 34.31      | 7.50       | 35.45      |  |
| PK   | 5.7252G      | 66.98             | 68.20             | -1.22          | 60.72         | 3           | Horizontal | 94             | 1.00          | -       | 34.25      | 7.47       | 35.46      |  |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5700MHz\_TnomVnom

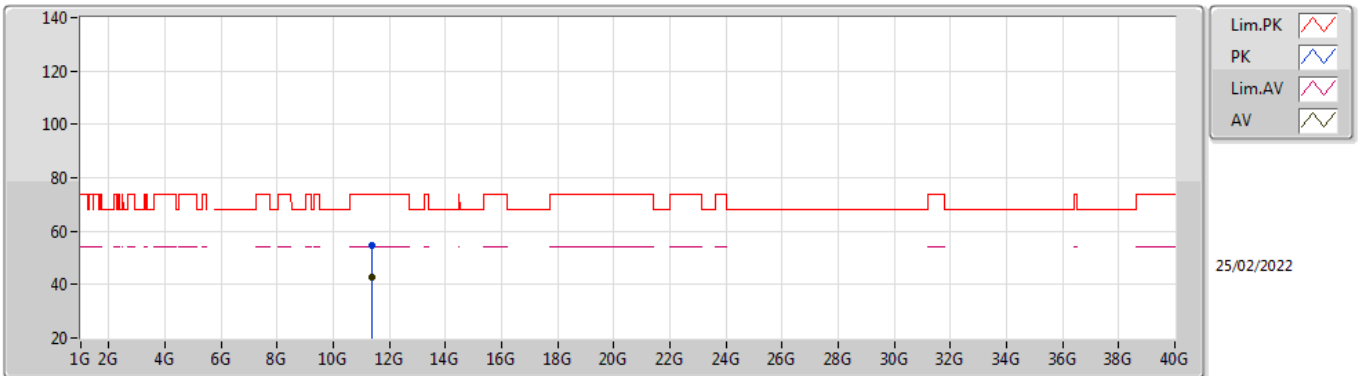


EUT X\_4TX  
Setting 12  
03-F-K-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 11.4G        | 56.17             | 74.00             | -17.83         | 42.24         | 3           | Vertical  | 324            | 1.65          | -       | 38.80      | 10.62      | 35.49      |
| AV   | 11.39998G    | 46.49             | 54.00             | -7.51          | 32.56         | 3           | Vertical  | 324            | 1.65          | -       | 38.80      | 10.62      | 35.49      |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5700MHz\_TnomVnom

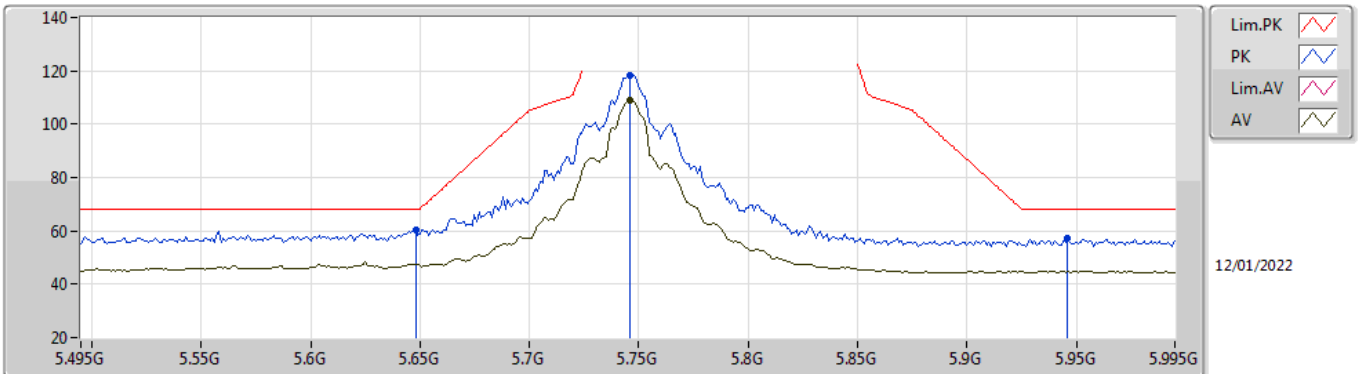


EUT\_X\_4TX  
Setting 12  
03-F-K-4

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition  | Azimuth | Height | Comment | AF    | CL    | PA    |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|---------|-------|-------|-------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |            | (°)     | (m)    |         | (dB)  | (dB)  | (dB)  |
| PK   | 11.39948G | 54.73    | 74.00    | -19.27 | 40.80  | 3    | Horizontal | 319     | 1.62   | -       | 38.80 | 10.62 | 35.49 |
| AV   | 11.4G     | 42.64    | 54.00    | -11.36 | 28.71  | 3    | Horizontal | 319     | 1.62   | -       | 38.80 | 10.62 | 35.49 |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5745MHz\_TnomVnom

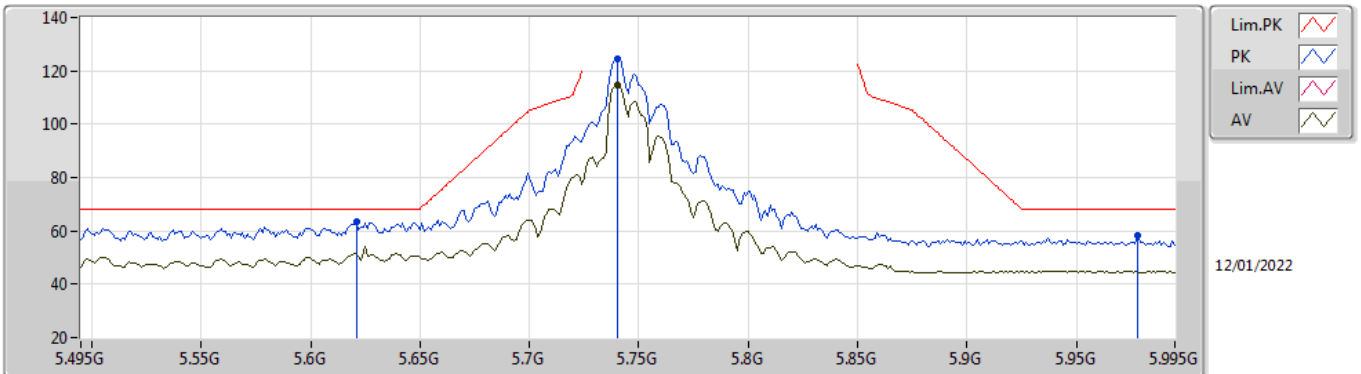


EUT X\_4TX  
Setting 25  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.648G       | 60.40             | 68.20             | -7.80          | 55.02         | 3           | Vertical  | 74             | 1.80          | -       | 31.60      | 6.00       | 32.22      |  |
| PK   | 5.746G       | 118.47            | Inf               | -Inf           | 112.77        | 3           | Vertical  | 74             | 1.80          | -       | 31.98      | 6.00       | 32.28      |  |
| AV   | 5.746G       | 109.03            | Inf               | -Inf           | 103.33        | 3           | Vertical  | 74             | 1.80          | -       | 31.98      | 6.00       | 32.28      |  |
| PK   | 5.946G       | 57.33             | 68.20             | -10.87         | 51.47         | 3           | Vertical  | 74             | 1.80          | -       | 32.19      | 6.07       | 32.40      |  |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5745MHz\_TnomVnom

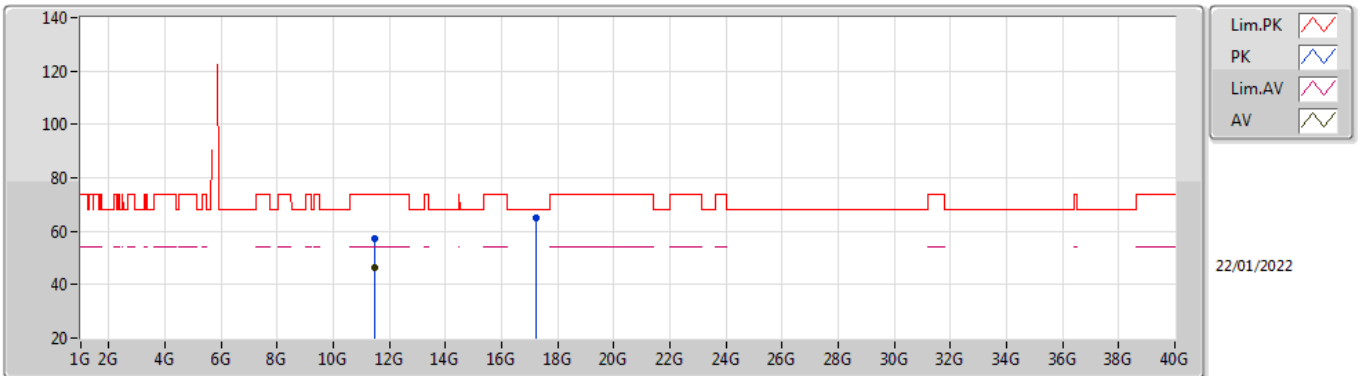


EUT\_X\_4TX  
Setting 25  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.621G       | 63.48             | 68.20             | -4.72          | 58.08         | 3           | Horizontal | 92             | 2.22          | -       | 31.60      | 6.00       | 32.20      |  |
| PK   | 5.74G        | 124.53            | Inf               | -Inf           | 118.84        | 3           | Horizontal | 92             | 2.22          | -       | 31.96      | 6.00       | 32.27      |  |
| AV   | 5.74G        | 114.73            | Inf               | -Inf           | 109.04        | 3           | Horizontal | 92             | 2.22          | -       | 31.96      | 6.00       | 32.27      |  |
| PK   | 5.978G       | 58.19             | 68.20             | -10.01         | 52.32         | 3           | Horizontal | 92             | 2.22          | -       | 32.20      | 6.09       | 32.42      |  |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5745MHz\_TnomVnom

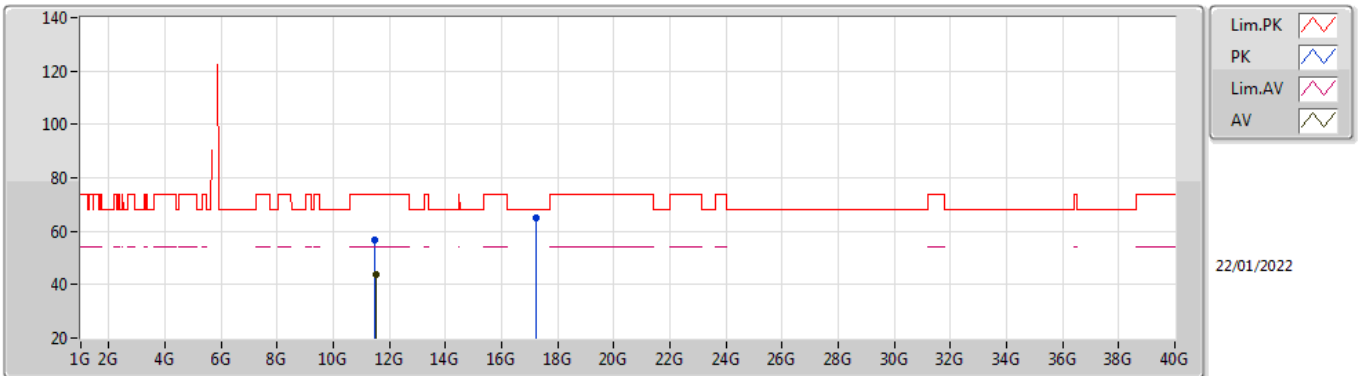


EUT\_X\_4TX  
Setting 25  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 11.48982G    | 57.41             | 74.00             | -16.59         | 42.61         | 3           | Vertical  | 326            | 1.79          | -       | 39.62      | 9.49       | 34.31      |  |
| AV   | 11.49G       | 46.47             | 54.00             | -7.53          | 31.67         | 3           | Vertical  | 326            | 1.79          | -       | 39.62      | 9.49       | 34.31      |  |
| PK   | 17.24184G    | 65.04             | 68.20             | -3.16          | 44.54         | 3           | Vertical  | 1              | 1.80          | -       | 41.07      | 14.03      | 34.60      |  |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5745MHz\_TnomVnom

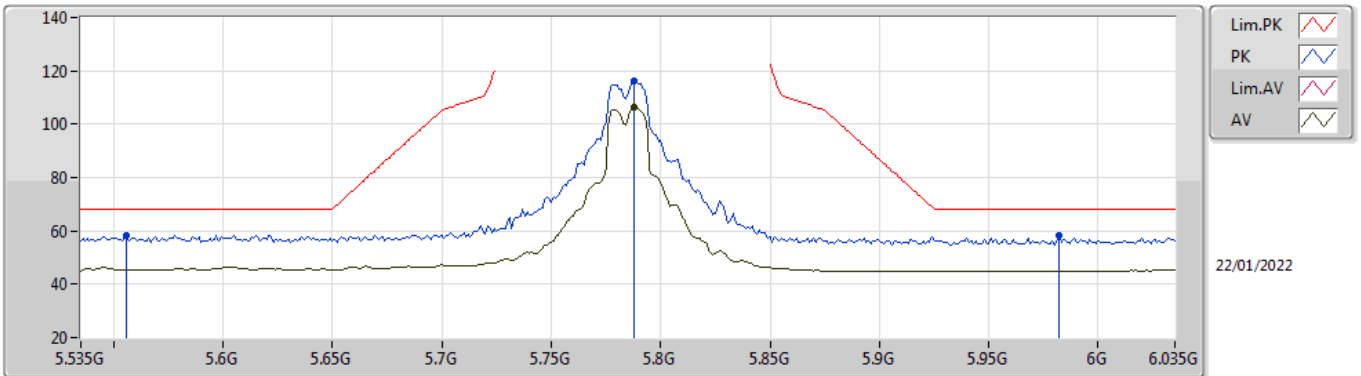


EUT X\_4TX  
Setting 25  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 11.48772G    | 56.77             | 74.00             | -17.23         | 41.97         | 3           | Horizontal | 135            | 2.87          | -       | 39.62      | 9.49       | 34.31      |
| AV   | 11.5005G     | 43.60             | 54.00             | -10.40         | 28.81         | 3           | Horizontal | 135            | 2.87          | -       | 39.60      | 9.50       | 34.31      |
| PK   | 17.23758G    | 64.86             | 68.20             | -3.34          | 44.39         | 3           | Horizontal | 350            | 2.81          | -       | 41.05      | 14.02      | 34.60      |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5785MHz\_TnomVnom

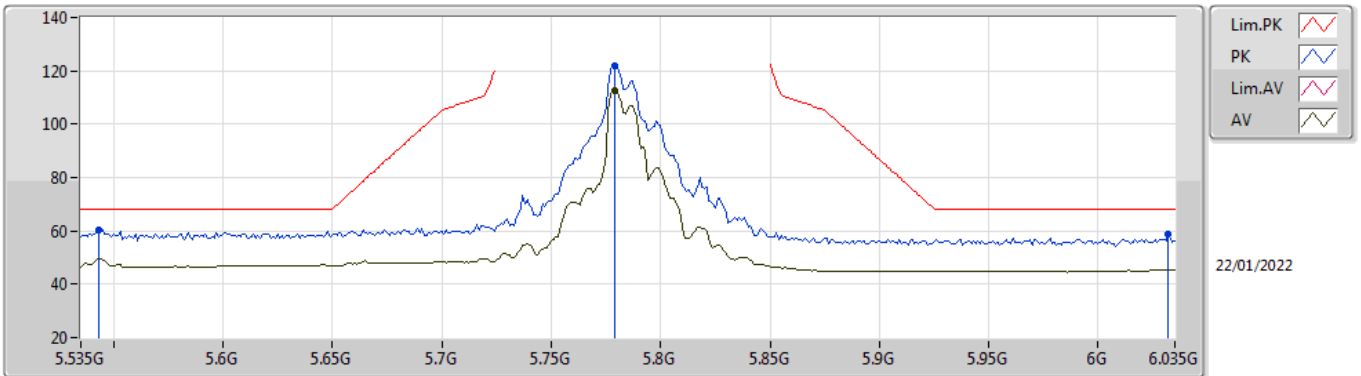


EUT\_X\_4TX  
Setting 25  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.556G       | 58.47             | 68.20             | -9.73          | 53.16         | 3           | Vertical  | 100            | 1.23          | -       | 31.51      | 5.96       | 32.16      |  |
| PK   | 5.788G       | 116.02            | Inf               | -Inf           | 110.32        | 3           | Vertical  | 100            | 1.23          | -       | 32.00      | 6.00       | 32.30      |  |
| AV   | 5.788G       | 106.36            | Inf               | -Inf           | 100.66        | 3           | Vertical  | 100            | 1.23          | -       | 32.00      | 6.00       | 32.30      |  |
| PK   | 5.982G       | 58.18             | 68.20             | -10.02         | 52.31         | 3           | Vertical  | 100            | 1.23          | -       | 32.20      | 6.09       | 32.42      |  |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5785MHz\_TnomVnom

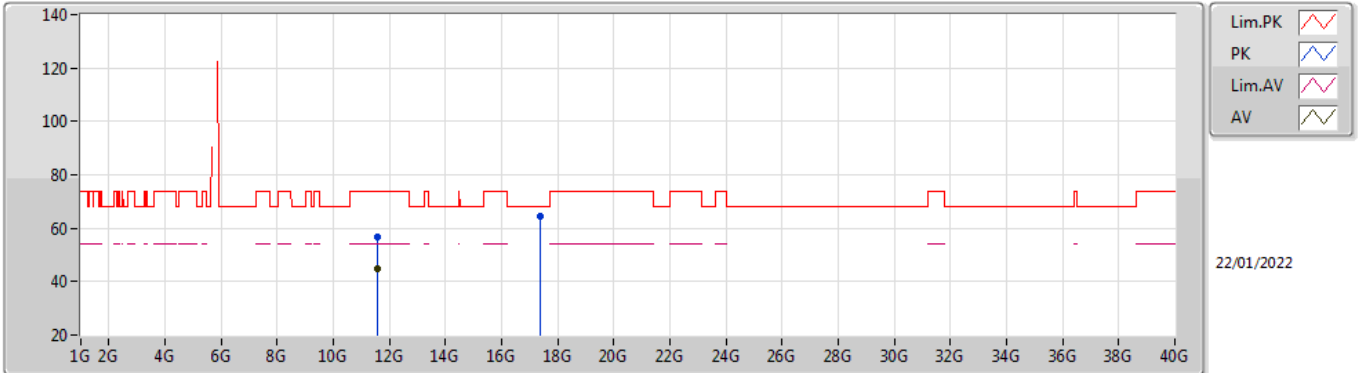


EUT\_X\_4TX  
Setting 25  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.543G       | 60.26             | 68.20             | -7.94          | 54.98         | 3           | Horizontal | 97             | 1.80          | -       | 31.50      | 5.94       | 32.16      |  |
| PK   | 5.779G       | 121.81            | Inf               | -Inf           | 116.11        | 3           | Horizontal | 97             | 1.80          | -       | 32.00      | 6.00       | 32.30      |  |
| AV   | 5.779G       | 112.39            | Inf               | -Inf           | 106.69        | 3           | Horizontal | 97             | 1.80          | -       | 32.00      | 6.00       | 32.30      |  |
| PK   | 6.032G       | 58.95             | 68.20             | -9.25          | 52.88         | 3           | Horizontal | 97             | 1.80          | -       | 32.39      | 6.12       | 32.44      |  |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5785MHz\_TnomVnom

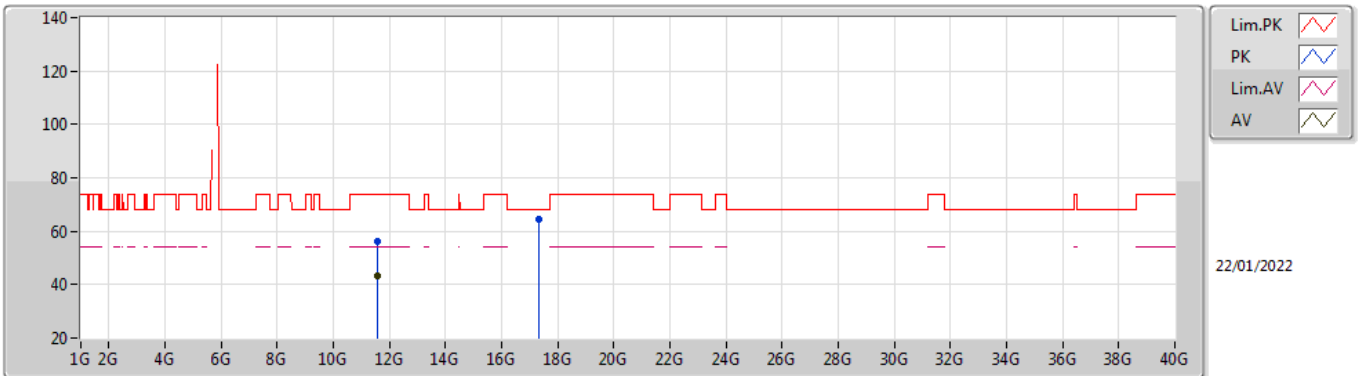


EUT\_X\_4TX  
Setting 25  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 11.56976G    | 56.76             | 74.00             | -17.24         | 41.99         | 3           | Vertical  | 327            | 1.77          | -       | 39.53      | 9.54       | 34.30      |
| AV   | 11.56994G    | 44.71             | 54.00             | -9.29          | 29.94         | 3           | Vertical  | 327            | 1.77          | -       | 39.53      | 9.54       | 34.30      |
| PK   | 17.35938G    | 64.52             | 68.20             | -3.68          | 43.12         | 3           | Vertical  | 204            | 1.60          | -       | 41.89      | 14.16      | 34.65      |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5785MHz\_TnomVnom

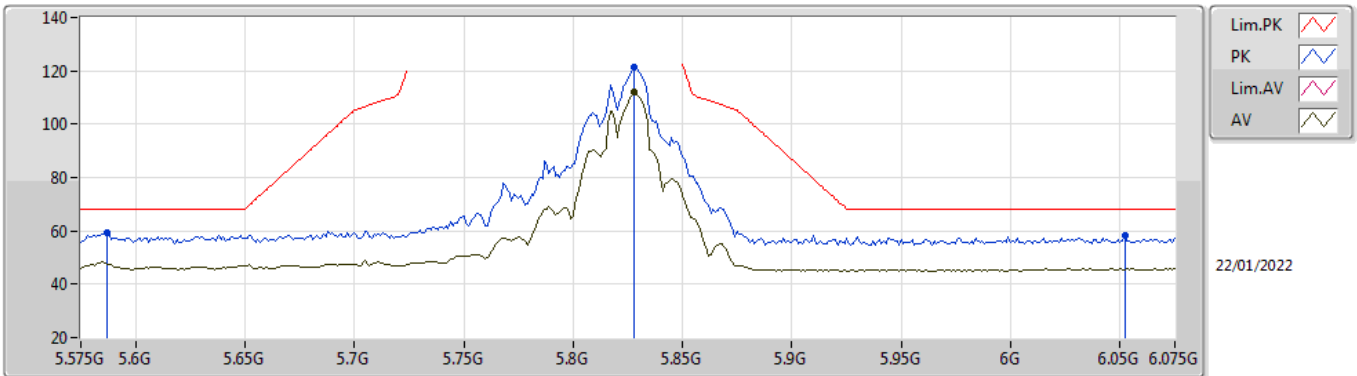


EUT X\_4TX  
Setting 25  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 11.57036G    | 56.05             | 74.00             | -17.95         | 41.28         | 3           | Horizontal | 272            | 2.47          | -       | 39.53      | 9.54       | 34.30      |
| AV   | 11.56994G    | 43.06             | 54.00             | -10.94         | 28.29         | 3           | Horizontal | 272            | 2.47          | -       | 39.53      | 9.54       | 34.30      |
| PK   | 17.35038G    | 64.73             | 68.20             | -3.47          | 43.43         | 3           | Horizontal | 130            | 1.92          | -       | 41.80      | 14.15      | 34.65      |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5825MHz\_TnomVnom

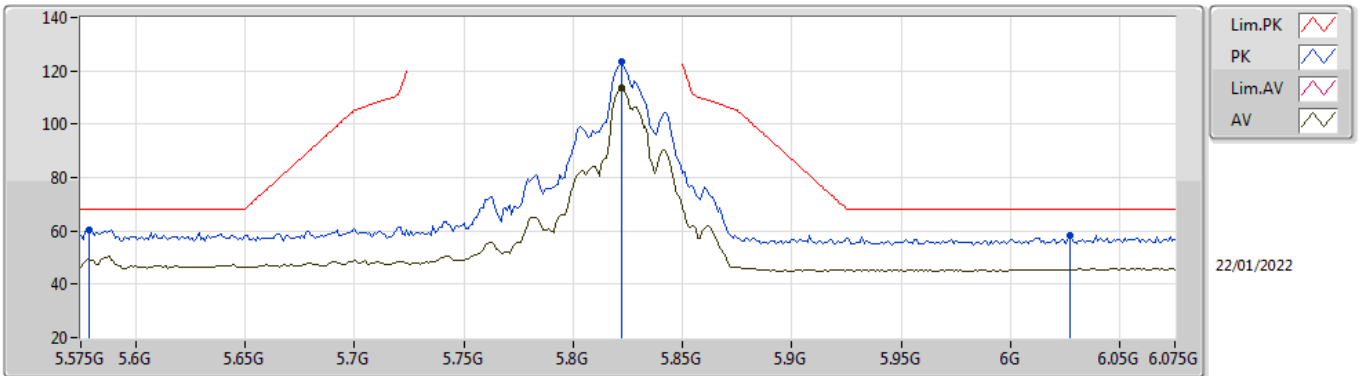


EUT\_X\_4TX  
Setting 25  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.587G       | 59.07             | 68.20             | -9.13          | 53.69         | 3           | Vertical  | 3              | 2.69          | -       | 31.57      | 5.99       | 32.18      |  |
| PK   | 5.828G       | 121.63            | Inf               | -Inf           | 115.95        | 3           | Vertical  | 3              | 2.69          | -       | 32.00      | 6.01       | 32.33      |  |
| AV   | 5.828G       | 111.88            | Inf               | -Inf           | 106.20        | 3           | Vertical  | 3              | 2.69          | -       | 32.00      | 6.01       | 32.33      |  |
| PK   | 6.052G       | 58.31             | 68.20             | -9.89          | 52.13         | 3           | Vertical  | 3              | 2.69          | -       | 32.50      | 6.13       | 32.45      |  |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5825MHz\_TnomVnom

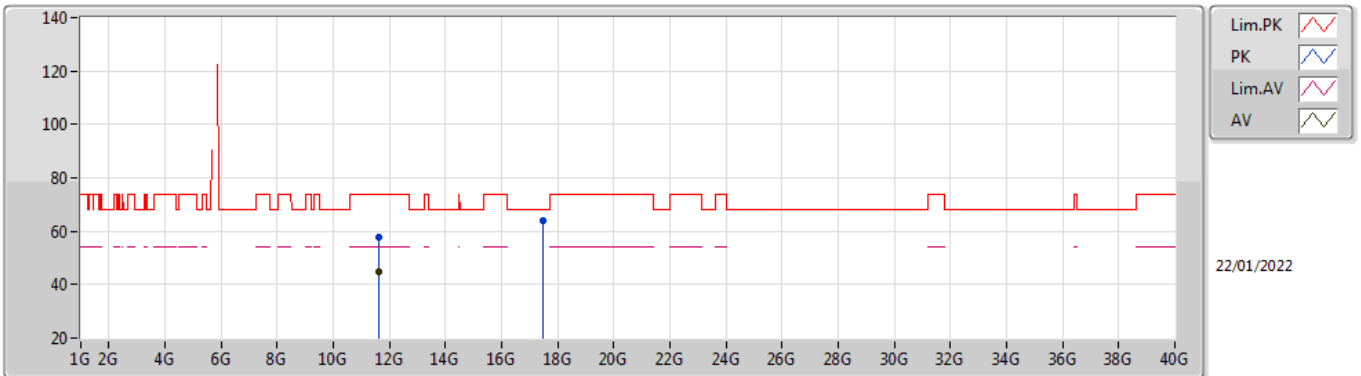


EUT X\_4TX  
Setting 25  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.579G       | 60.23             | 68.20             | -7.97          | 54.87         | 3           | Horizontal | 102            | 2.53          | -       | 31.56      | 5.98       | 32.18      |  |
| PK   | 5.822G       | 123.70            | Inf               | -Inf           | 118.01        | 3           | Horizontal | 102            | 2.53          | -       | 32.00      | 6.01       | 32.32      |  |
| AV   | 5.822G       | 113.40            | Inf               | -Inf           | 107.71        | 3           | Horizontal | 102            | 2.53          | -       | 32.00      | 6.01       | 32.32      |  |
| PK   | 6.027G       | 58.31             | 68.20             | -9.89          | 52.28         | 3           | Horizontal | 102            | 2.53          | -       | 32.36      | 6.11       | 32.44      |  |

# 802.11a\_Nss1,(6Mbps)\_4TX

## 5825MHz\_TnomVnom

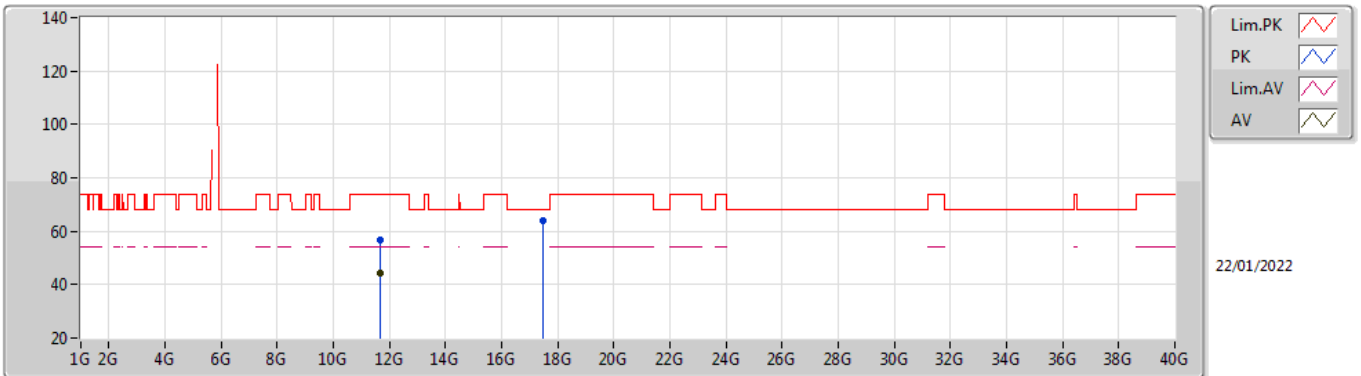


EUT\_X\_4TX  
Setting 25  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 11.64436G    | 57.90             | 74.00             | -16.10         | 43.22         | 3           | Vertical  | 36             | 1.80          | -       | 39.37      | 9.59       | 34.28      |
| AV   | 11.6437G     | 44.74             | 54.00             | -9.26          | 30.06         | 3           | Vertical  | 36             | 1.80          | -       | 39.37      | 9.59       | 34.28      |
| PK   | 17.47092G    | 64.11             | 68.20             | -4.09          | 41.65         | 3           | Vertical  | 354            | 1.90          | -       | 42.87      | 14.29      | 34.70      |

## 802.11a\_Nss1,(6Mbps)\_4TX

### 5825MHz\_TnomVnom

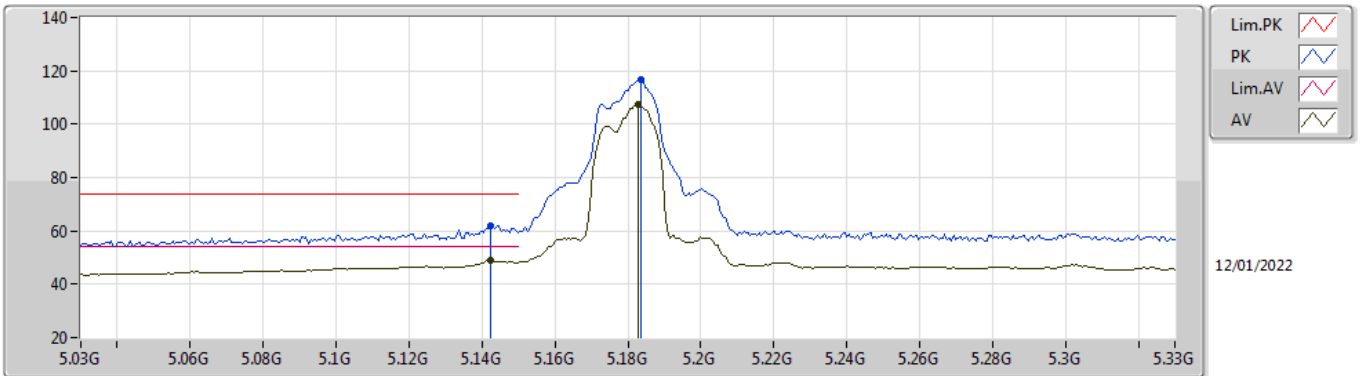


EUT X\_4TX  
Setting 25  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 11.65488G    | 56.82             | 74.00             | -17.18         | 42.17         | 3           | Horizontal | 356            | 1.80          | -       | 39.34      | 9.59       | 34.28      |
| AV   | 11.65404G    | 44.13             | 54.00             | -9.87          | 29.48         | 3           | Horizontal | 356            | 1.80          | -       | 39.34      | 9.59       | 34.28      |
| PK   | 17.48946G    | 64.04             | 68.20             | -4.16          | 41.42         | 3           | Horizontal | 212            | 2.13          | -       | 43.02      | 14.31      | 34.71      |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5180MHz\_TnomVnom

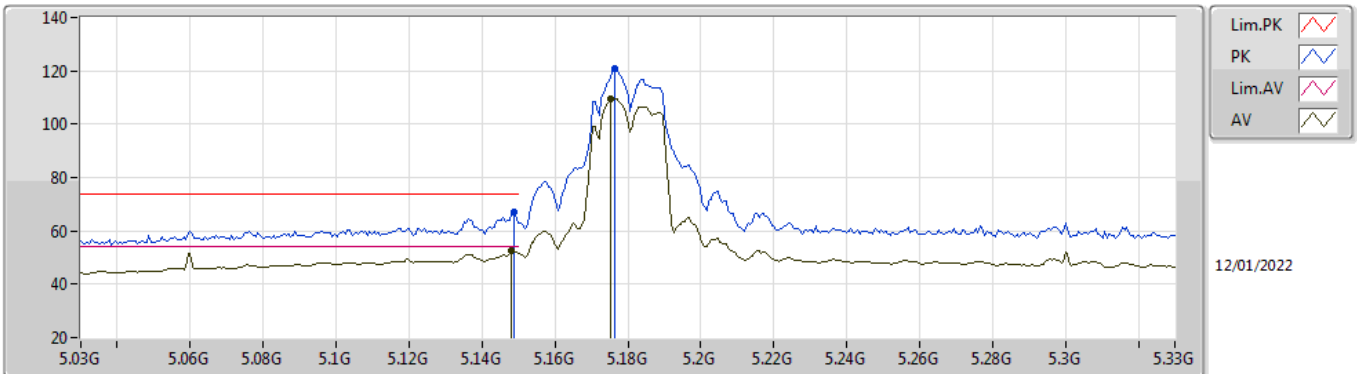


EUT\_X\_4TX  
Setting 20  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.1422G      | 61.87             | 74.00             | -12.13         | 56.35         | 3           | Vertical  | 347            | 2.70          | -       | 31.75      | 5.74       | 31.97      |  |
| AV   | 5.1422G      | 48.83             | 54.00             | -5.17          | 43.31         | 3           | Vertical  | 347            | 2.70          | -       | 31.75      | 5.74       | 31.97      |  |
| PK   | 5.1836G      | 116.48            | Inf               | -Inf           | 111.19        | 3           | Vertical  | 347            | 2.70          | -       | 31.50      | 5.78       | 31.99      |  |
| AV   | 5.183G       | 107.20            | Inf               | -Inf           | 101.91        | 3           | Vertical  | 347            | 2.70          | -       | 31.50      | 5.78       | 31.99      |  |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5180MHz\_TnomVnom

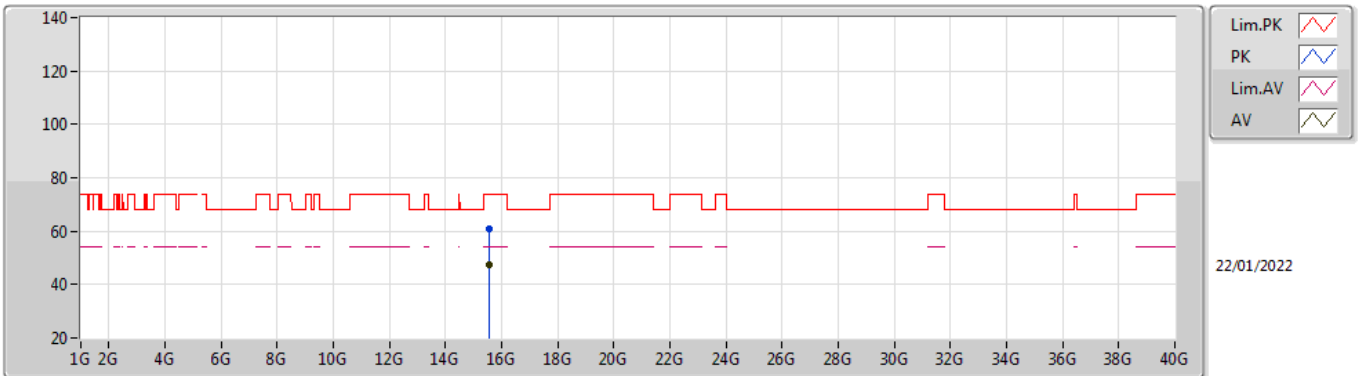


EUT X\_4TX  
Setting 20  
06-D-S-5-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.1488G      | 66.96             | 74.00             | -7.04          | 61.48         | 3           | Horizontal | 95             | 1.09          | -       | 31.71      | 5.75       | 31.98      |  |
| AV   | 5.1482G      | 52.53             | 54.00             | -1.47          | 47.05         | 3           | Horizontal | 95             | 1.09          | -       | 31.71      | 5.75       | 31.98      |  |
| PK   | 5.1764G      | 120.80            | Inf               | -Inf           | 115.47        | 3           | Horizontal | 95             | 1.09          | -       | 31.54      | 5.78       | 31.99      |  |
| AV   | 5.1752G      | 109.74            | Inf               | -Inf           | 104.40        | 3           | Horizontal | 95             | 1.09          | -       | 31.55      | 5.78       | 31.99      |  |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 5180MHz\_TnomVnom

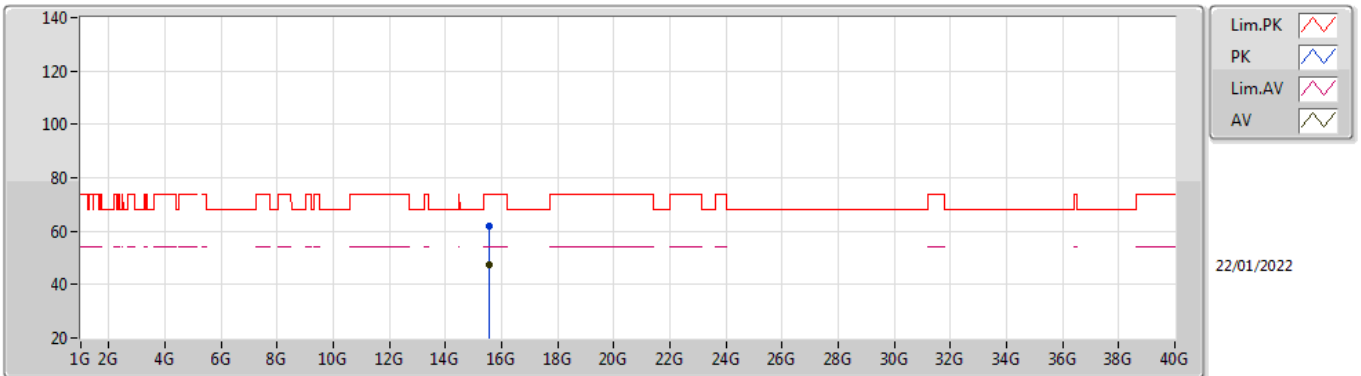


EUT X\_4TX  
Setting 20  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 15.54048G    | 60.76             | 74.00             | -13.24         | 44.20         | 3           | Vertical  | 301            | 1.08          | -       | 38.50      | 12.30      | 34.24      |  |
| AV   | 15.54004G    | 47.26             | 54.00             | -6.74          | 30.70         | 3           | Vertical  | 301            | 1.08          | -       | 38.50      | 12.30      | 34.24      |  |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 5180MHz\_TnomVnom

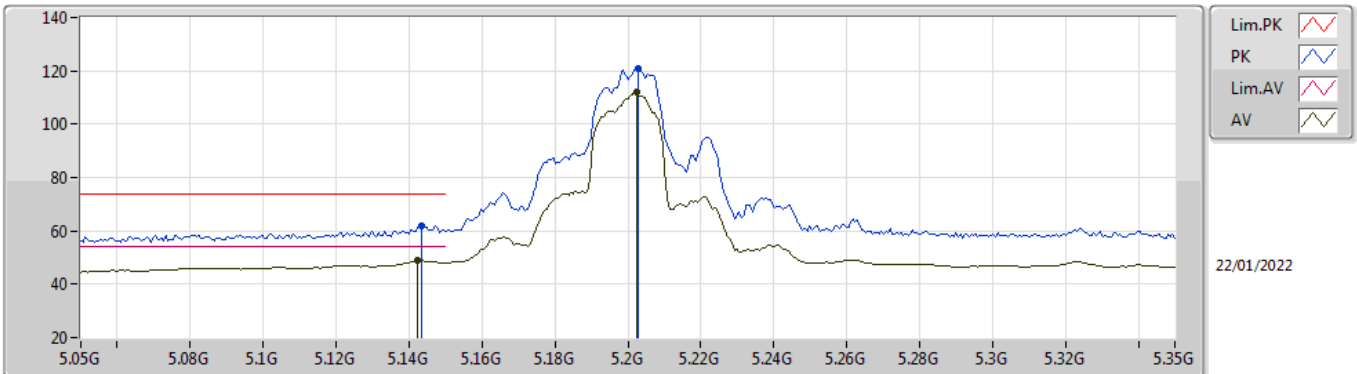


EUT X\_4TX  
Setting 20  
06-D-S-5

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 15.54148G    | 62.13             | 74.00             | -11.87         | 45.58         | 3           | Horizontal | 244            | 2.94          | -       | 38.49      | 12.30      | 34.24      |  |
| AV   | 15.54148G    | 47.24             | 54.00             | -6.76          | 30.69         | 3           | Horizontal | 244            | 2.94          | -       | 38.49      | 12.30      | 34.24      |  |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5200MHz\_TnomVnom

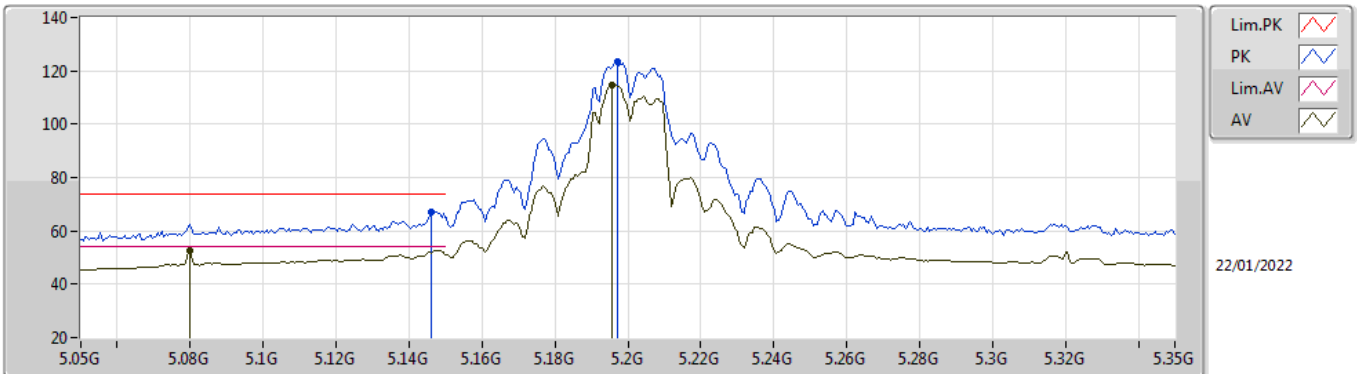


EUT\_X\_4TX  
Setting 24.5  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.1436G      | 61.80             | 74.00             | -12.20         | 56.29         | 3           | Vertical  | 349            | 2.68          | -       | 31.74      | 5.74       | 31.97      |  |
| AV   | 5.1424G      | 49.07             | 54.00             | -4.93          | 43.55         | 3           | Vertical  | 349            | 2.68          | -       | 31.75      | 5.74       | 31.97      |  |
| PK   | 5.203G       | 121.05            | Inf               | -Inf           | 115.87        | 3           | Vertical  | 349            | 2.68          | -       | 31.38      | 5.80       | 32.00      |  |
| AV   | 5.2024G      | 112.05            | Inf               | -Inf           | 106.86        | 3           | Vertical  | 349            | 2.68          | -       | 31.39      | 5.80       | 32.00      |  |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5200MHz\_TnomVnom

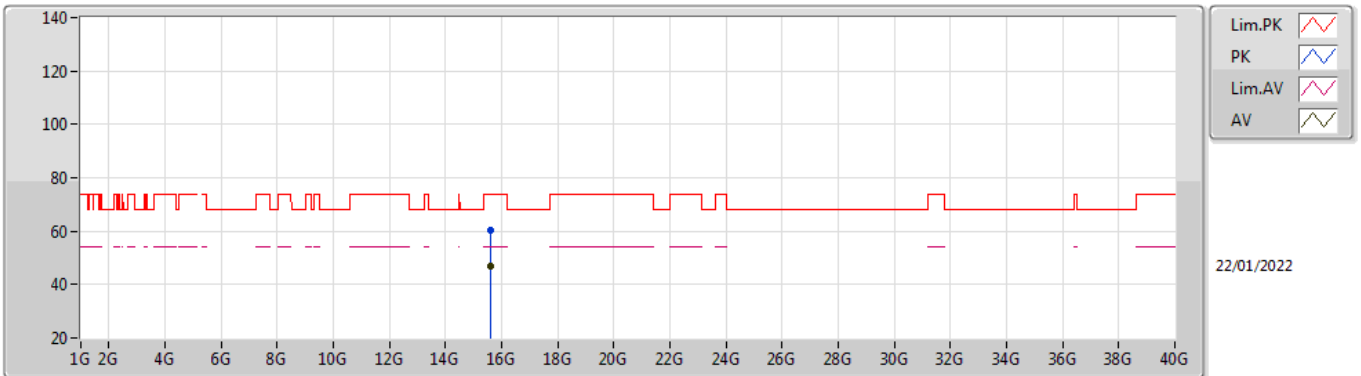


EUT X\_4TX  
Setting 24.5  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.146G       | 67.06             | 74.00             | -6.94          | 61.56         | 3           | Horizontal | 94             | 1.01          | -       | 31.72      | 5.75       | 31.97      |  |
| AV   | 5.08G        | 52.65             | 54.00             | -1.35          | 47.12         | 3           | Horizontal | 94             | 1.01          | -       | 31.80      | 5.68       | 31.95      |  |
| PK   | 5.197G       | 123.30            | Inf               | -Inf           | 118.08        | 3           | Horizontal | 94             | 1.01          | -       | 31.42      | 5.80       | 32.00      |  |
| AV   | 5.1958G      | 114.76            | Inf               | -Inf           | 109.53        | 3           | Horizontal | 94             | 1.01          | -       | 31.43      | 5.80       | 32.00      |  |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 5200MHz\_TnomVnom

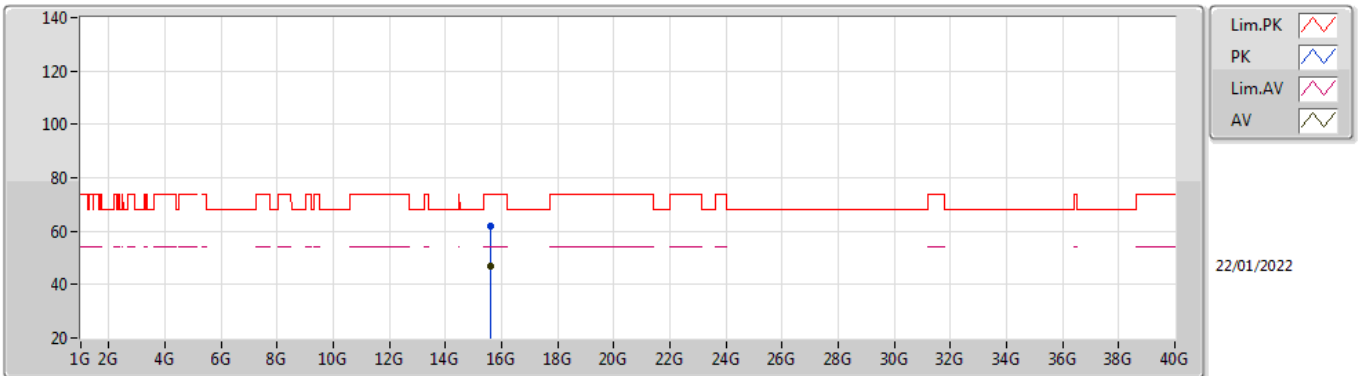


EUT\_X\_4TX  
Setting 24.5  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 15.59936G    | 60.35             | 74.00             | -13.65         | 44.07         | 3           | Vertical  | 127            | 1.65          | -       | 38.20      | 12.34      | 34.26      |
| AV   | 15.60056G    | 47.05             | 54.00             | -6.95          | 30.77         | 3           | Vertical  | 127            | 1.65          | -       | 38.20      | 12.34      | 34.26      |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 5200MHz\_TnomVnom

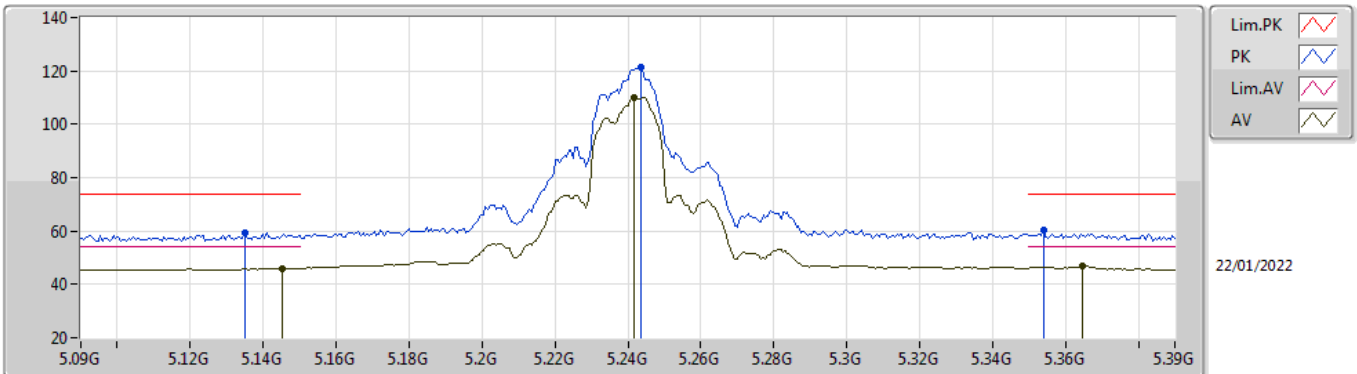


EUT\_X\_4TX  
Setting 24.5  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 15.60296G    | 61.76             | 74.00             | -12.24         | 45.49         | 3           | Horizontal | 123            | 1.33          | -       | 38.19      | 12.34      | 34.26      |
| AV   | 15.60204G    | 47.10             | 54.00             | -6.90          | 30.83         | 3           | Horizontal | 123            | 1.33          | -       | 38.19      | 12.34      | 34.26      |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5240MHz\_TnomVnom

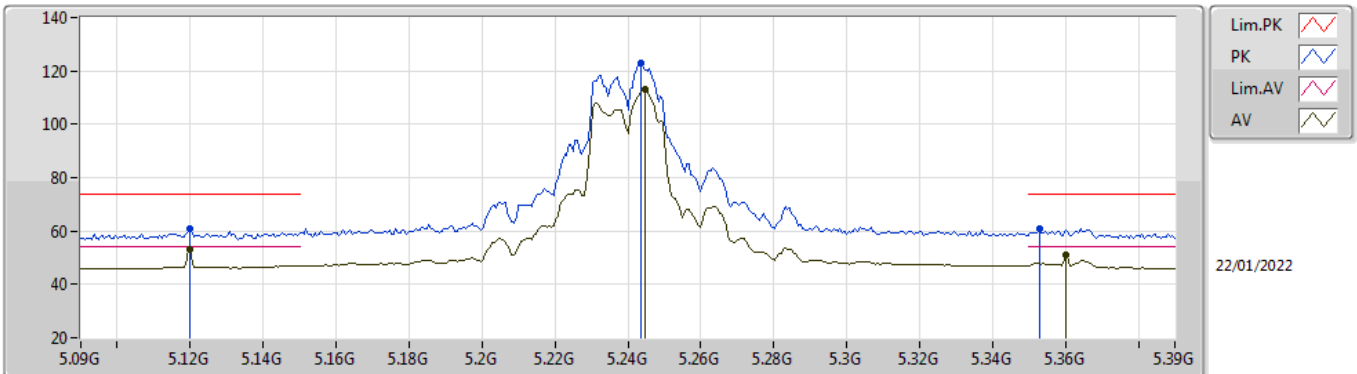


EUT X\_4TX  
Setting 23.5  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.135G       | 59.26             | 74.00             | -14.74         | 53.70         | 3           | Vertical  | 349            | 2.80          | -       | 31.79      | 5.74       | 31.97      |
| AV   | 5.1452G      | 46.05             | 54.00             | -7.95          | 40.54         | 3           | Vertical  | 349            | 2.80          | -       | 31.73      | 5.75       | 31.97      |
| PK   | 5.2436G      | 121.49            | Inf               | -Inf           | 116.57        | 3           | Vertical  | 349            | 2.80          | -       | 31.14      | 5.80       | 32.02      |
| AV   | 5.2418G      | 110.21            | Inf               | -Inf           | 105.28        | 3           | Vertical  | 349            | 2.80          | -       | 31.15      | 5.80       | 32.02      |
| PK   | 5.354G       | 60.17             | 74.00             | -13.83         | 55.32         | 3           | Vertical  | 349            | 2.80          | -       | 31.12      | 5.80       | 32.07      |
| AV   | 5.3648G      | 46.94             | 54.00             | -7.06          | 42.02         | 3           | Vertical  | 349            | 2.80          | -       | 31.19      | 5.80       | 32.07      |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5240MHz\_TnomVnom

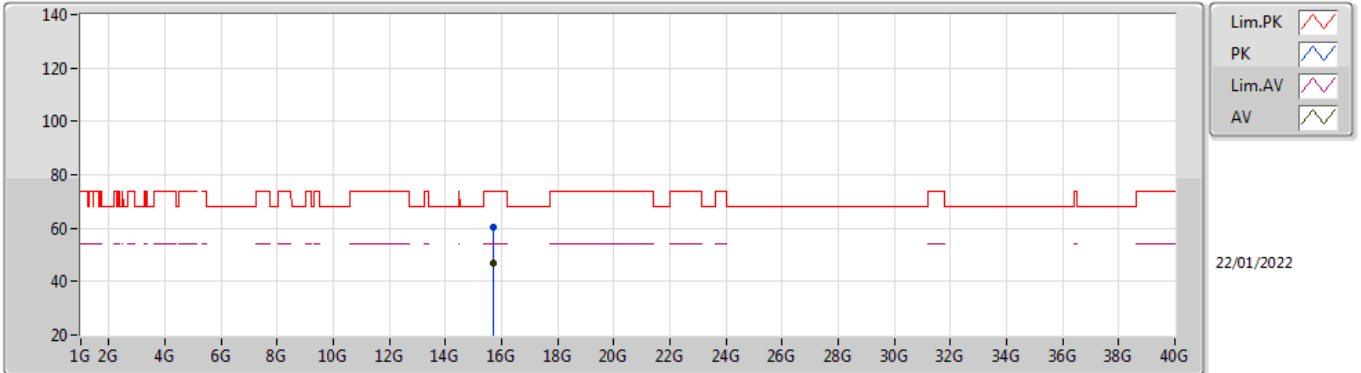


EUT X\_4TX  
Setting 23.5  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.12G        | 60.88             | 74.00             | -13.12         | 55.24         | 3           | Horizontal | 119            | 1.28          | -       | 31.88      | 5.72       | 31.96      |
| AV   | 5.12G        | 52.99             | 54.00             | -1.01          | 47.35         | 3           | Horizontal | 119            | 1.28          | -       | 31.88      | 5.72       | 31.96      |
| PK   | 5.2436G      | 123.03            | Inf               | -Inf           | 118.11        | 3           | Horizontal | 119            | 1.28          | -       | 31.14      | 5.80       | 32.02      |
| AV   | 5.2448G      | 112.91            | Inf               | -Inf           | 108.00        | 3           | Horizontal | 119            | 1.28          | -       | 31.13      | 5.80       | 32.02      |
| PK   | 5.3528G      | 60.65             | 74.00             | -13.35         | 55.80         | 3           | Horizontal | 119            | 1.28          | -       | 31.12      | 5.80       | 32.07      |
| AV   | 5.36G        | 51.28             | 54.00             | -2.72          | 46.39         | 3           | Horizontal | 119            | 1.28          | -       | 31.16      | 5.80       | 32.07      |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 5240MHz\_TnomVnom

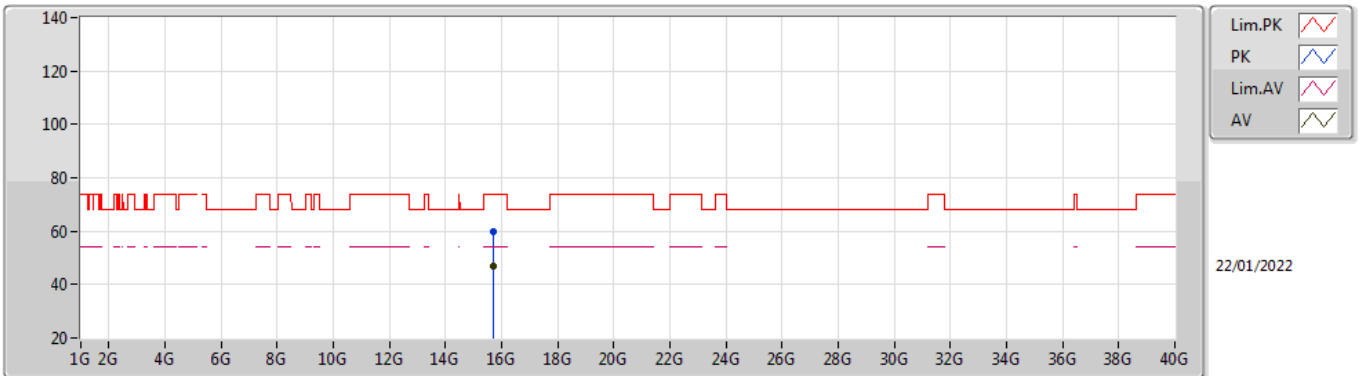


EUT X\_4TX  
Setting 23.5  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 15.72624G    | 60.15             | 74.00             | -13.85         | 44.24         | 3           | Vertical  | 43             | 1.29          | -       | 37.80      | 12.42      | 34.31      |  |
| AV   | 15.72704G    | 46.75             | 54.00             | -7.25          | 30.84         | 3           | Vertical  | 43             | 1.29          | -       | 37.80      | 12.42      | 34.31      |  |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 5240MHz\_TnomVnom

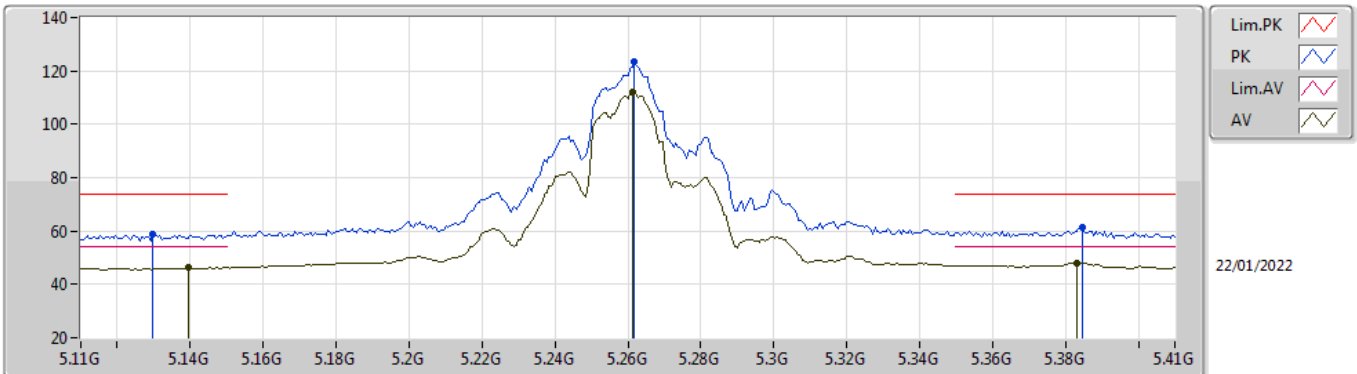


EUT X\_4TX  
Setting 23.5  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 15.72016G    | 59.97             | 74.00             | -14.03         | 44.06         | 3           | Horizontal | 289            | 1.51          | -       | 37.80      | 12.42      | 34.31      |  |
| AV   | 15.72016G    | 46.71             | 54.00             | -7.29          | 30.80         | 3           | Horizontal | 289            | 1.51          | -       | 37.80      | 12.42      | 34.31      |  |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5260MHz\_TnomVnom

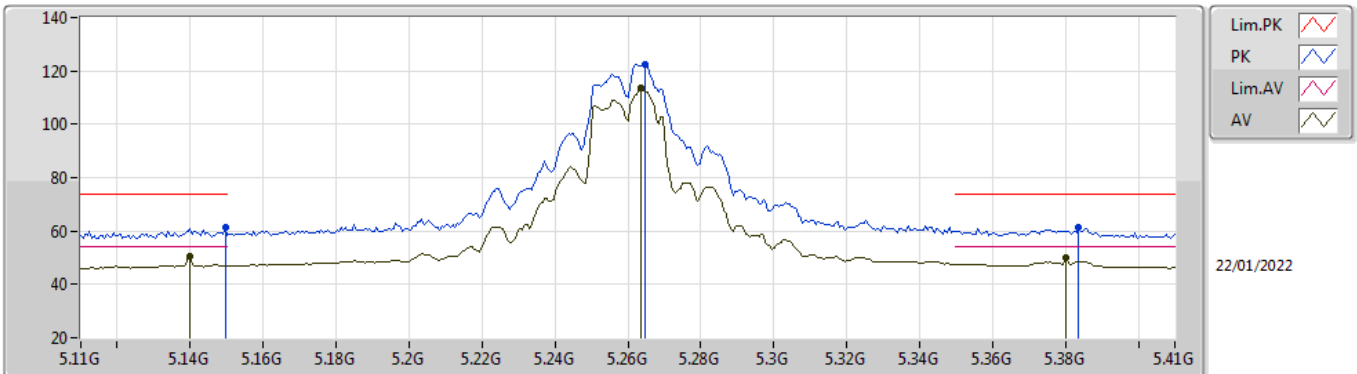


EUT X\_4TX  
Setting 25  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.1298G      | 58.85             | 74.00             | -15.15         | 53.27         | 3           | Vertical  | 347            | 2.52          | -       | 31.82      | 5.73       | 31.97      |
| AV   | 5.1394G      | 46.42             | 54.00             | -7.58          | 40.89         | 3           | Vertical  | 347            | 2.52          | -       | 31.76      | 5.74       | 31.97      |
| PK   | 5.2618G      | 123.29            | Inf               | -Inf           | 118.42        | 3           | Vertical  | 347            | 2.52          | -       | 31.10      | 5.80       | 32.03      |
| AV   | 5.2612G      | 112.31            | Inf               | -Inf           | 107.43        | 3           | Vertical  | 347            | 2.52          | -       | 31.10      | 5.80       | 32.02      |
| PK   | 5.3848G      | 61.57             | 74.00             | -12.43         | 56.54         | 3           | Vertical  | 347            | 2.52          | -       | 31.31      | 5.80       | 32.08      |
| AV   | 5.383G       | 47.88             | 54.00             | -6.12          | 42.86         | 3           | Vertical  | 347            | 2.52          | -       | 31.30      | 5.80       | 32.08      |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5260MHz\_TnomVnom

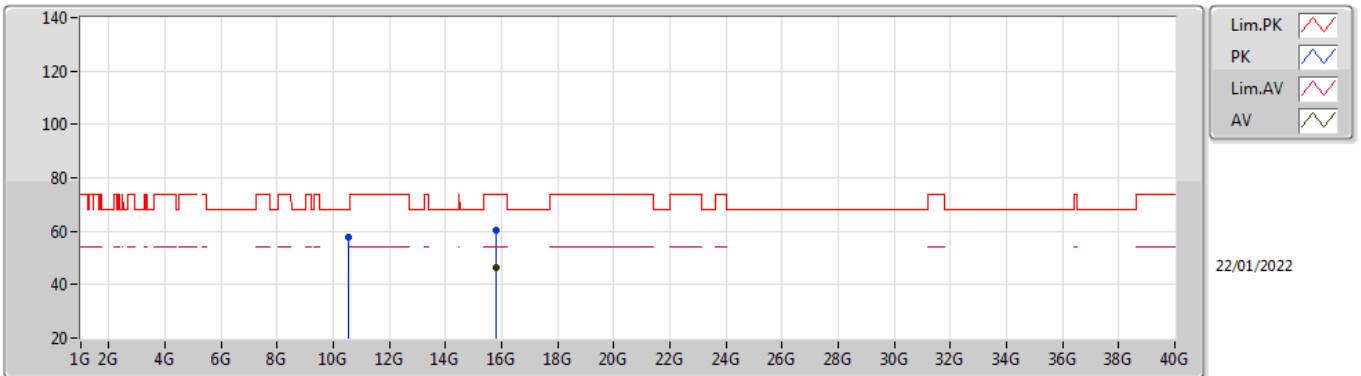


EUT X\_4TX  
Setting 25  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.1496G      | 61.26             | 74.00             | -12.74         | 55.79         | 3           | Horizontal | 115            | 1.17          | -       | 31.70      | 5.75       | 31.98      |
| AV   | 5.14G        | 50.73             | 54.00             | -3.27          | 45.20         | 3           | Horizontal | 115            | 1.17          | -       | 31.76      | 5.74       | 31.97      |
| PK   | 5.2648G      | 122.47            | Inf               | -Inf           | 117.60        | 3           | Horizontal | 115            | 1.17          | -       | 31.10      | 5.80       | 32.03      |
| AV   | 5.2636G      | 113.61            | Inf               | -Inf           | 108.74        | 3           | Horizontal | 115            | 1.17          | -       | 31.10      | 5.80       | 32.03      |
| PK   | 5.3836G      | 61.35             | 74.00             | -12.65         | 56.33         | 3           | Horizontal | 115            | 1.17          | -       | 31.30      | 5.80       | 32.08      |
| AV   | 5.38G        | 49.94             | 54.00             | -4.06          | 44.94         | 3           | Horizontal | 115            | 1.17          | -       | 31.28      | 5.80       | 32.08      |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5260MHz\_TnomVnom

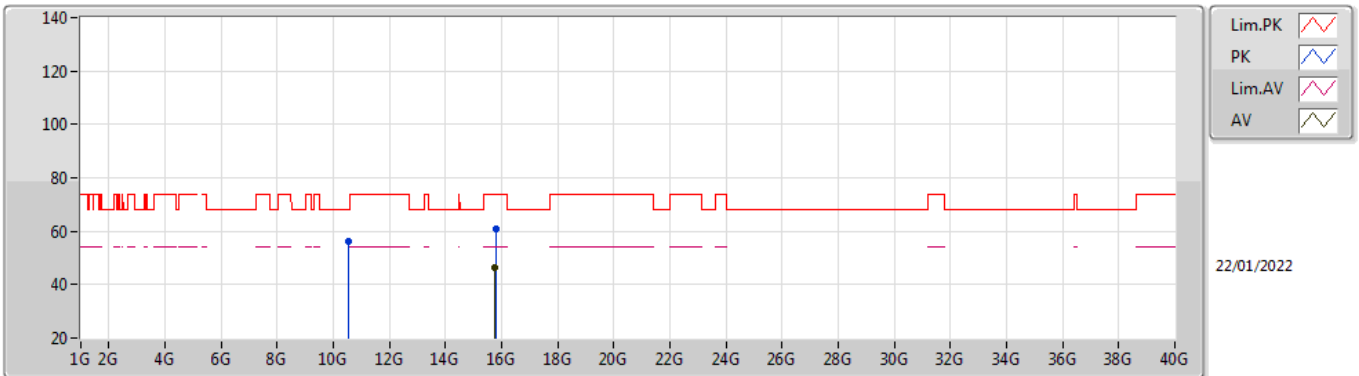


EUT X\_4TX  
Setting 25  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.52008G    | 57.76             | 68.20             | -10.44         | 43.37         | 3           | Vertical  | 339            | 1.80          | -       | 39.62      | 8.91       | 34.14      |
| PK   | 15.7866G     | 60.50             | 74.00             | -13.50         | 44.57         | 3           | Vertical  | 318            | 2.51          | -       | 37.80      | 12.46      | 34.33      |
| AV   | 15.78204G    | 46.52             | 54.00             | -7.48          | 30.59         | 3           | Vertical  | 318            | 2.51          | -       | 37.80      | 12.46      | 34.33      |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5260MHz\_TnomVnom

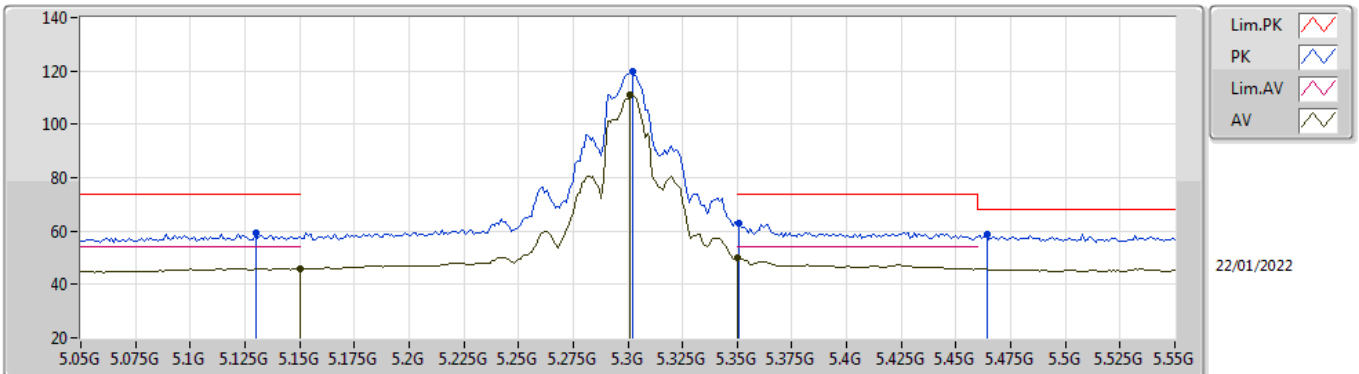


EUT X\_4TX  
Setting 25  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.52788G    | 56.02             | 68.20             | -12.18         | 41.62         | 3           | Horizontal | 182            | 1.13          | -       | 39.63      | 8.92       | 34.15      |
| PK   | 15.77948G    | 60.68             | 74.00             | -13.32         | 44.75         | 3           | Horizontal | 192            | 2.36          | -       | 37.80      | 12.46      | 34.33      |
| AV   | 15.77216G    | 46.47             | 54.00             | -7.53          | 30.55         | 3           | Horizontal | 192            | 2.36          | -       | 37.80      | 12.45      | 34.33      |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5300MHz\_TnomVnom

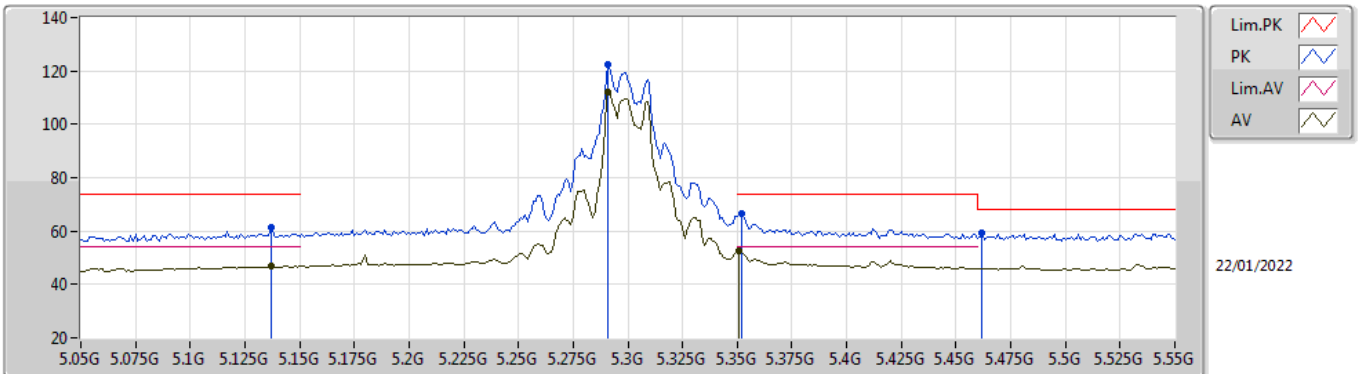


EUT X\_4TX  
Setting 24  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.13G        | 59.44             | 74.00             | -14.56         | 53.86         | 3           | Vertical  | 348            | 2.50          | -       | 31.82      | 5.73       | 31.97      |
| AV   | 5.15G        | 45.89             | 54.00             | -8.11          | 40.42         | 3           | Vertical  | 348            | 2.50          | -       | 31.70      | 5.75       | 31.98      |
| PK   | 5.302G       | 119.69            | Inf               | -Inf           | 114.83        | 3           | Vertical  | 348            | 2.50          | -       | 31.10      | 5.80       | 32.04      |
| AV   | 5.301G       | 110.88            | Inf               | -Inf           | 106.02        | 3           | Vertical  | 348            | 2.50          | -       | 31.10      | 5.80       | 32.04      |
| PK   | 5.351G       | 62.82             | 74.00             | -11.18         | 57.97         | 3           | Vertical  | 348            | 2.50          | -       | 31.11      | 5.80       | 32.06      |
| AV   | 5.35G        | 49.94             | 54.00             | -4.06          | 45.10         | 3           | Vertical  | 348            | 2.50          | -       | 31.10      | 5.80       | 32.06      |
| PK   | 5.464G       | 58.92             | 68.20             | -9.28          | 53.67         | 3           | Vertical  | 348            | 2.50          | -       | 31.50      | 5.86       | 32.11      |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5300MHz\_TnomVnom

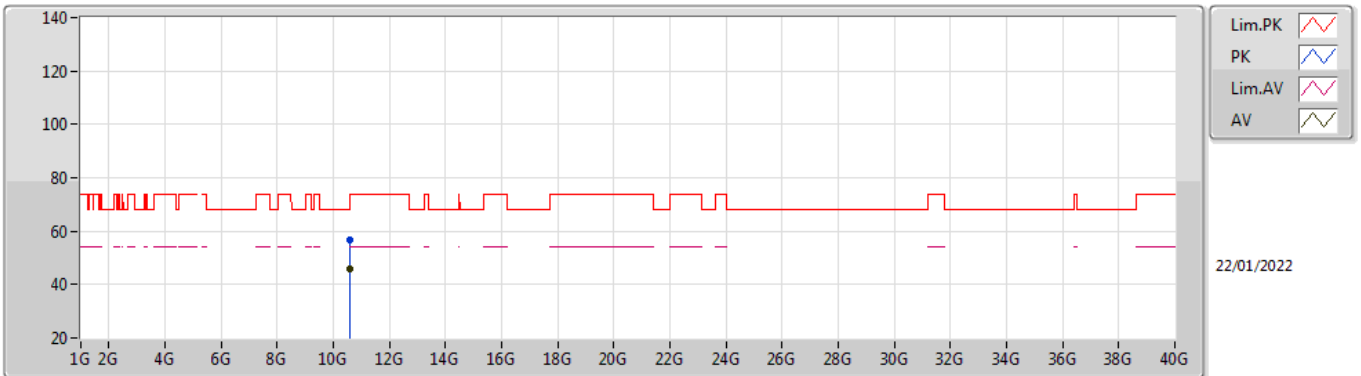


EUT X\_4TX  
Setting 24  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.137G       | 61.31             | 74.00             | -12.69         | 55.76         | 3           | Horizontal | 83             | 1.47          | -       | 31.78      | 5.74       | 31.97      |
| AV   | 5.137G       | 46.83             | 54.00             | -7.17          | 41.28         | 3           | Horizontal | 83             | 1.47          | -       | 31.78      | 5.74       | 31.97      |
| PK   | 5.291G       | 122.46            | Inf               | -Inf           | 117.60        | 3           | Horizontal | 83             | 1.47          | -       | 31.10      | 5.80       | 32.04      |
| AV   | 5.291G       | 112.29            | Inf               | -Inf           | 107.43        | 3           | Horizontal | 83             | 1.47          | -       | 31.10      | 5.80       | 32.04      |
| PK   | 5.352G       | 66.30             | 74.00             | -7.70          | 61.45         | 3           | Horizontal | 83             | 1.47          | -       | 31.11      | 5.80       | 32.06      |
| AV   | 5.351G       | 52.80             | 54.00             | -1.20          | 47.95         | 3           | Horizontal | 83             | 1.47          | -       | 31.11      | 5.80       | 32.06      |
| PK   | 5.462G       | 59.36             | 68.20             | -8.84          | 54.11         | 3           | Horizontal | 83             | 1.47          | -       | 31.50      | 5.86       | 32.11      |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 5300MHz\_TnomVnom

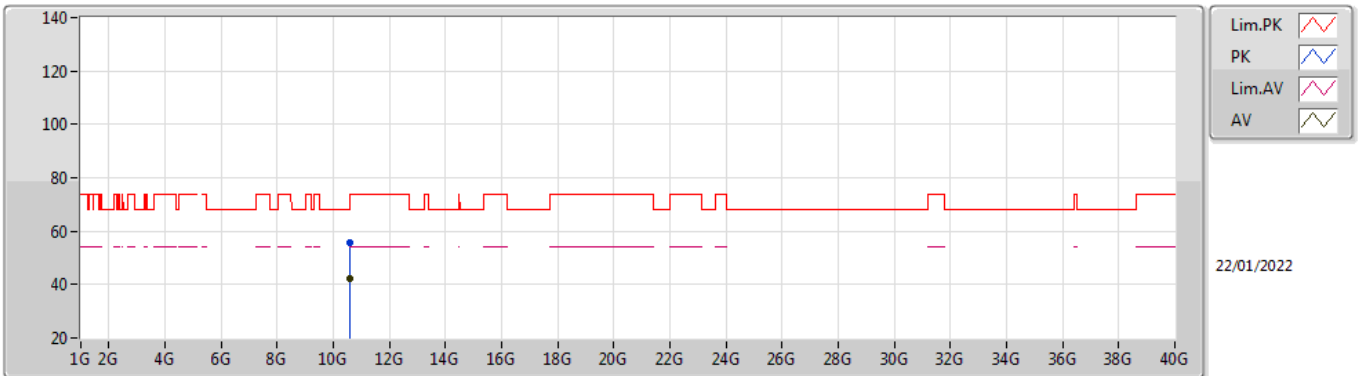


EUT X\_4TX  
Setting 24  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.60008G    | 56.80             | 74.00             | -17.20         | 42.30         | 3           | Vertical  | 332            | 2.20          | -       | 39.70      | 8.96       | 34.16      |
| AV   | 10.6G        | 45.85             | 54.00             | -8.15          | 31.35         | 3           | Vertical  | 332            | 2.20          | -       | 39.70      | 8.96       | 34.16      |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5300MHz\_TnomVnom

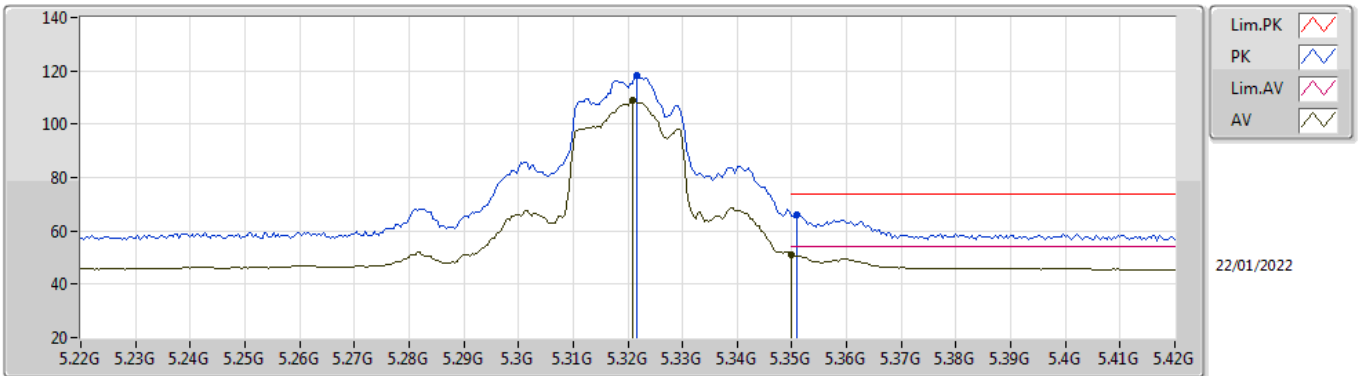


EUT X\_4TX  
Setting 24  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.60124G    | 55.94             | 74.00             | -18.06         | 41.44         | 3           | Horizontal | 298            | 2.37          | -       | 39.70      | 8.96       | 34.16      |
| AV   | 10.60004G    | 42.12             | 54.00             | -11.88         | 27.62         | 3           | Horizontal | 298            | 2.37          | -       | 39.70      | 8.96       | 34.16      |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5320MHz\_TnomVnom

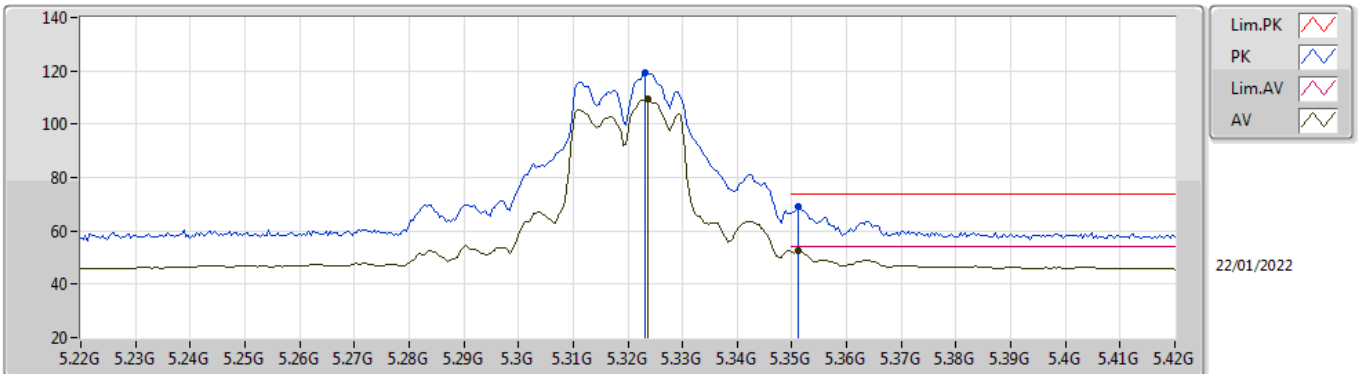


EUT X\_4TX  
Setting 21.5  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.3216G      | 118.06            | Inf               | -Inf           | 113.21        | 3           | Vertical  | 350            | 2.37          | -       | 31.10      | 5.80       | 32.05      |  |
| AV   | 5.3208G      | 109.05            | Inf               | -Inf           | 104.20        | 3           | Vertical  | 350            | 2.37          | -       | 31.10      | 5.80       | 32.05      |  |
| PK   | 5.3508G      | 65.84             | 74.00             | -8.16          | 61.00         | 3           | Vertical  | 350            | 2.37          | -       | 31.10      | 5.80       | 32.06      |  |
| AV   | 5.35G        | 50.78             | 54.00             | -3.22          | 45.94         | 3           | Vertical  | 350            | 2.37          | -       | 31.10      | 5.80       | 32.06      |  |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5320MHz\_TnomVnom

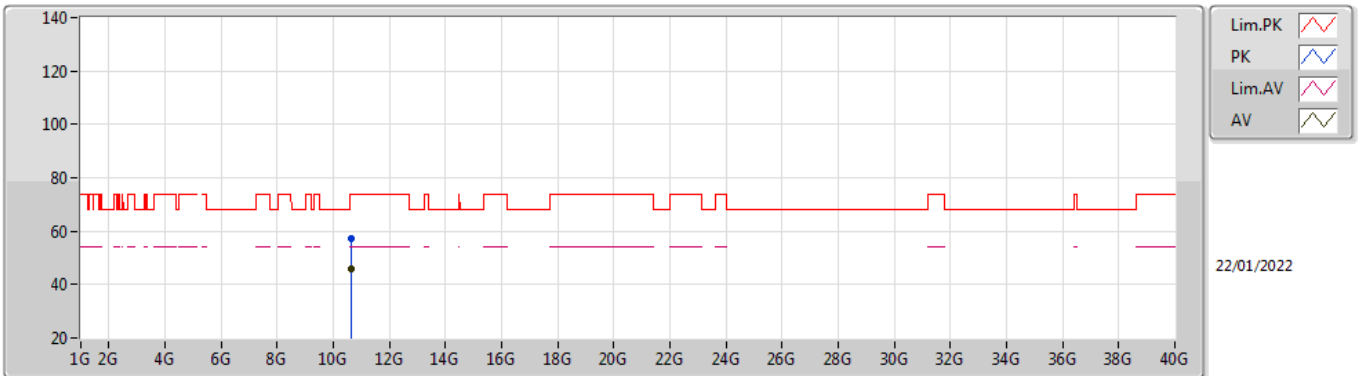


EUT X\_4TX  
Setting 21.5  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.3232G      | 119.53            | Inf               | -Inf           | 114.68        | 3           | Horizontal | 121            | 1.07          | -       | 31.10      | 5.80       | 32.05      |  |
| AV   | 5.3236G      | 109.31            | Inf               | -Inf           | 104.46        | 3           | Horizontal | 121            | 1.07          | -       | 31.10      | 5.80       | 32.05      |  |
| PK   | 5.3512G      | 68.93             | 74.00             | -5.07          | 64.08         | 3           | Horizontal | 121            | 1.07          | -       | 31.11      | 5.80       | 32.06      |  |
| AV   | 5.3512G      | 52.36             | 54.00             | -1.64          | 47.51         | 3           | Horizontal | 121            | 1.07          | -       | 31.11      | 5.80       | 32.06      |  |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 5320MHz\_TnomVnom

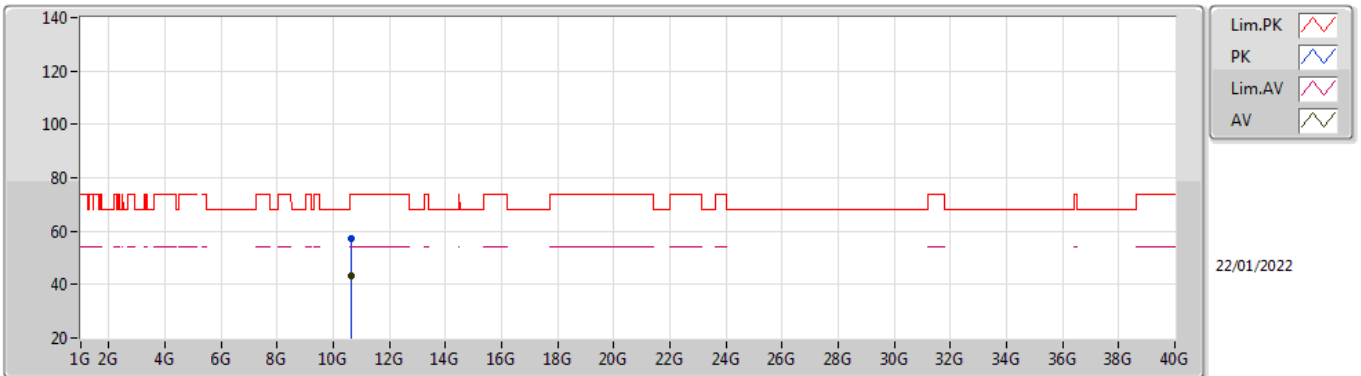


EUT X\_4TX  
Setting 21.5  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.64G       | 57.02             | 74.00             | -16.98         | 42.55         | 3           | Vertical  | 333            | 1.86          | -       | 39.66      | 8.98       | 34.17      |
| AV   | 10.64G       | 46.11             | 54.00             | -7.89          | 31.64         | 3           | Vertical  | 333            | 1.86          | -       | 39.66      | 8.98       | 34.17      |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 5320MHz\_TnomVnom

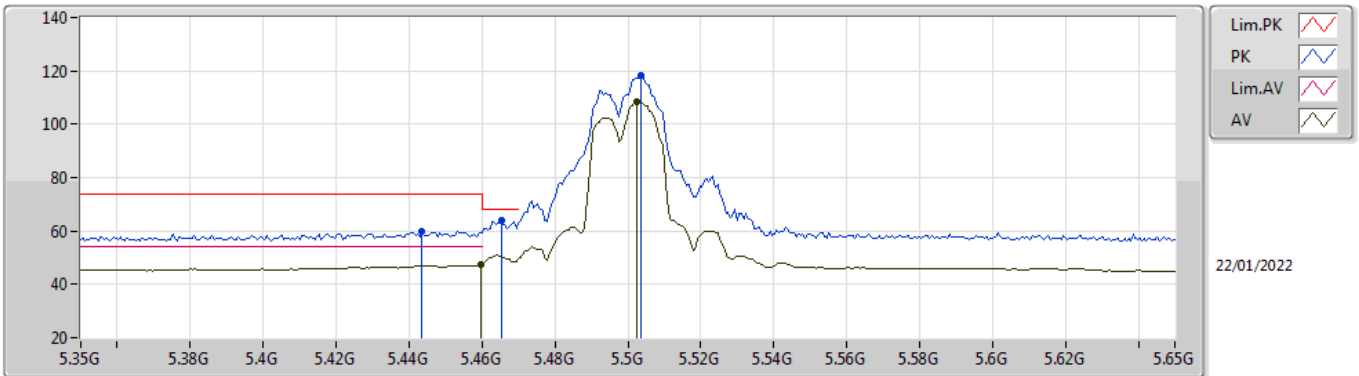


EUT X\_4TX  
Setting 21.5  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 10.64084G    | 57.19             | 74.00             | -16.81         | 42.72         | 3           | Horizontal | 183            | 2.46          | -       | 39.66      | 8.98       | 34.17      |
| AV   | 10.64012G    | 43.11             | 54.00             | -10.89         | 28.64         | 3           | Horizontal | 183            | 2.46          | -       | 39.66      | 8.98       | 34.17      |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5500MHz\_TnomVnom

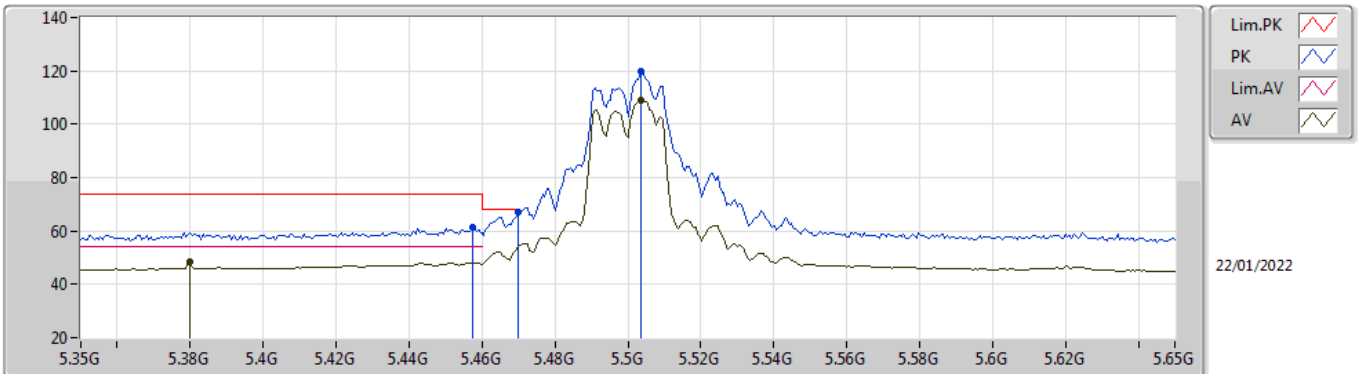


EUT\_X\_4TX  
Setting 21  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.4436G      | 59.87             | 74.00             | -14.13         | 54.65         | 3           | Vertical  | 350            | 2.84          | -       | 31.49      | 5.84       | 32.11      |  |
| PK   | 5.4652G      | 63.98             | 68.20             | -4.22          | 58.72         | 3           | Vertical  | 350            | 2.84          | -       | 31.50      | 5.87       | 32.11      |  |
| AV   | 5.4598G      | 47.40             | 54.00             | -6.60          | 42.15         | 3           | Vertical  | 350            | 2.84          | -       | 31.50      | 5.86       | 32.11      |  |
| PK   | 5.5036G      | 118.42            | Inf               | -Inf           | 113.15        | 3           | Vertical  | 350            | 2.84          | -       | 31.50      | 5.90       | 32.13      |  |
| AV   | 5.5024G      | 108.28            | Inf               | -Inf           | 103.01        | 3           | Vertical  | 350            | 2.84          | -       | 31.50      | 5.90       | 32.13      |  |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5500MHz\_TnomVnom

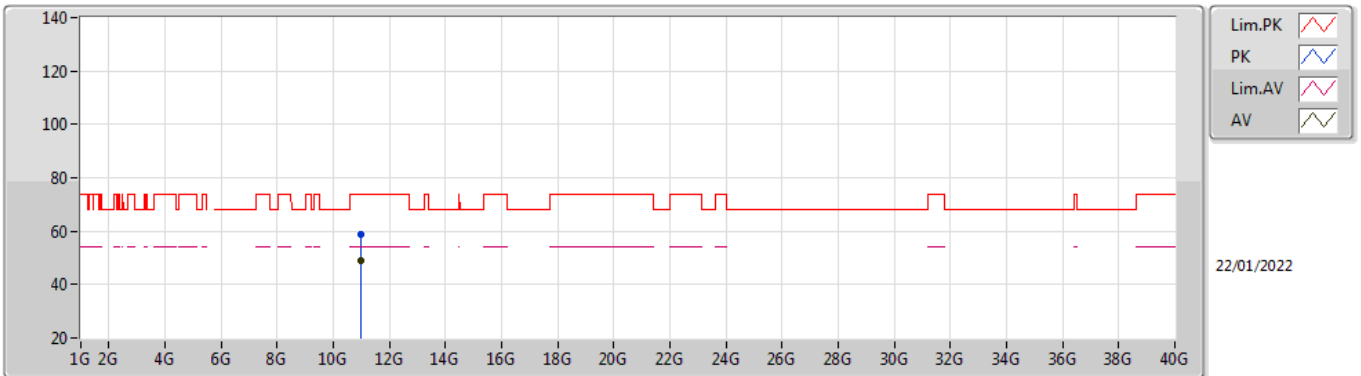


EUT X\_4TX  
Setting 21  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| AV   | 5.38G        | 48.45             | 54.00             | -5.55          | 43.45         | 3           | Horizontal | 125            | 1.00          | -       | 31.28      | 5.80       | 32.08      |  |
| PK   | 5.4574G      | 61.60             | 74.00             | -12.40         | 56.35         | 3           | Horizontal | 125            | 1.00          | -       | 31.50      | 5.86       | 32.11      |  |
| PK   | 5.47G        | 66.93             | 68.20             | -1.27          | 61.68         | 3           | Horizontal | 125            | 1.00          | -       | 31.50      | 5.87       | 32.12      |  |
| PK   | 5.5036G      | 119.59            | Inf               | -Inf           | 114.32        | 3           | Horizontal | 125            | 1.00          | -       | 31.50      | 5.90       | 32.13      |  |
| AV   | 5.5036G      | 108.89            | Inf               | -Inf           | 103.62        | 3           | Horizontal | 125            | 1.00          | -       | 31.50      | 5.90       | 32.13      |  |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 5500MHz\_TnomVnom

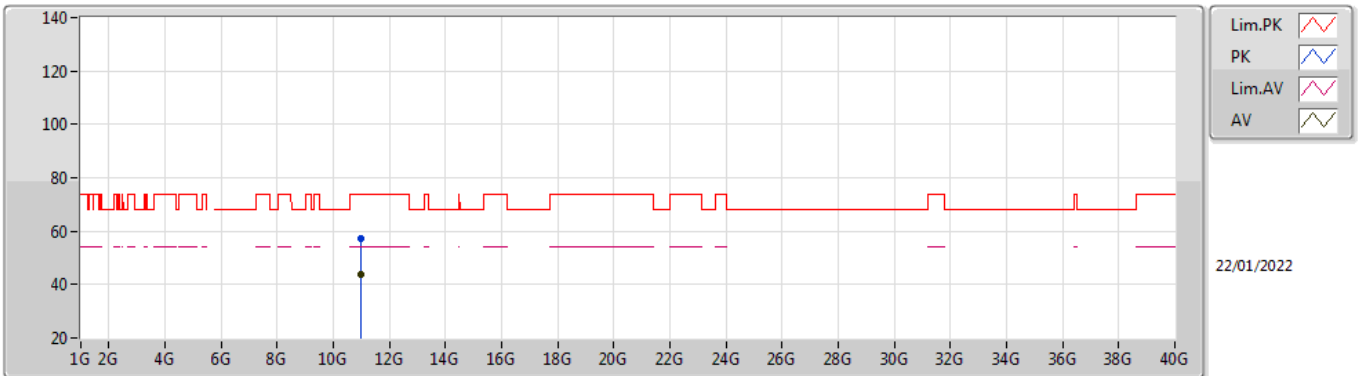


EUT\_X\_4TX  
Setting 21  
06-F-B-4

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition | Azimuth | Height | Comment | AF    | CL   | PA    |  |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|---------|-------|------|-------|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |           | (°)     | (m)    |         | (dB)  | (dB) | (dB)  |  |
| PK   | 10.99984G | 58.83    | 74.00    | -15.17 | 43.66  | 3    | Vertical  | 327     | 1.77   | -       | 40.20 | 9.20 | 34.23 |  |
| AV   | 11G       | 48.95    | 54.00    | -5.05  | 33.78  | 3    | Vertical  | 327     | 1.77   | -       | 40.20 | 9.20 | 34.23 |  |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 5500MHz\_TnomVnom

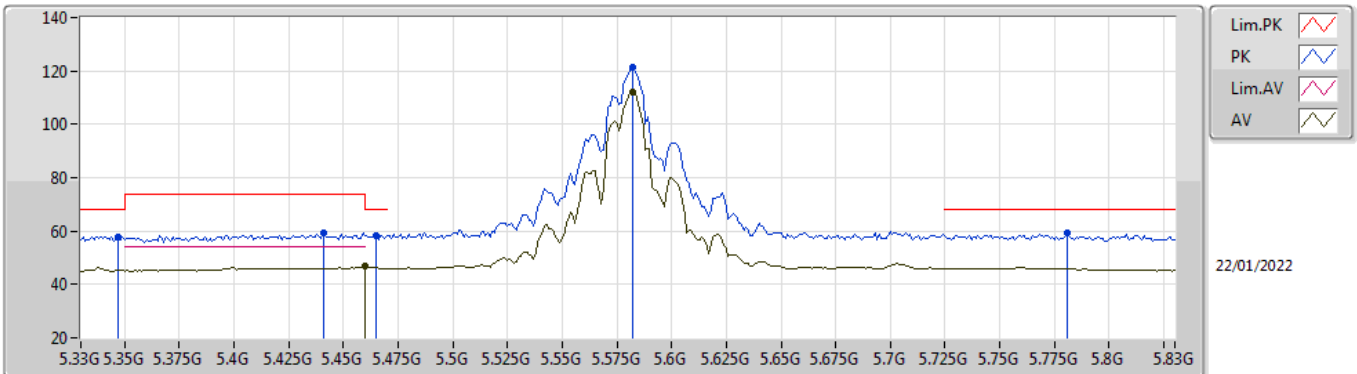


EUT X\_4TX  
Setting 21  
06-F-B-4

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition  | Azimuth | Height | Comment | AF    | CL   | PA    |  |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|---------|-------|------|-------|--|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |            | (°)     | (m)    |         | (dB)  | (dB) | (dB)  |  |
| PK   | 10.99588G | 57.20    | 74.00    | -16.80 | 42.03  | 3    | Horizontal | 19      | 1.69   | -       | 40.20 | 9.20 | 34.23 |  |
| AV   | 11G       | 43.74    | 54.00    | -10.26 | 28.57  | 3    | Horizontal | 19      | 1.69   | -       | 40.20 | 9.20 | 34.23 |  |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5580MHz\_TnomVnom

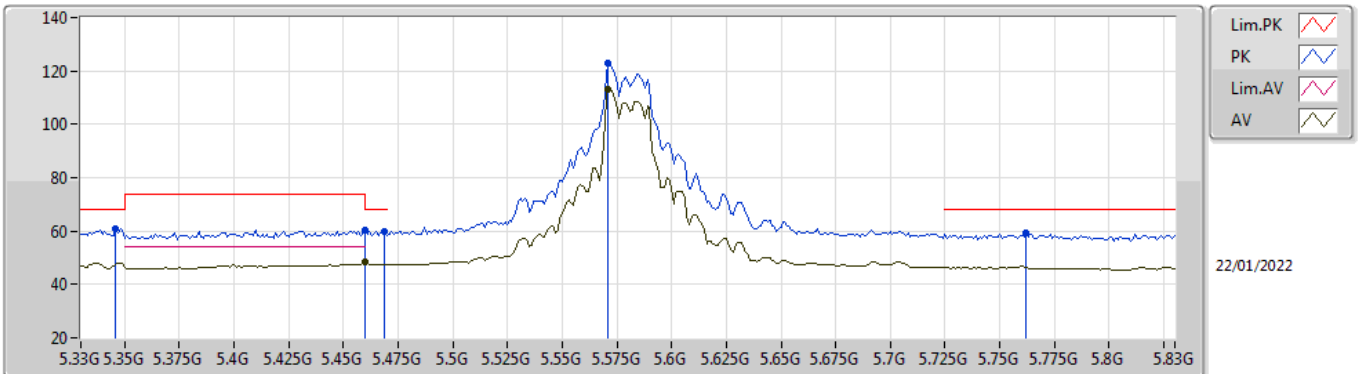


EUT X\_4TX  
Setting 25  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.347G       | 57.98             | 68.20             | -10.22         | 53.14         | 3           | Vertical  | 16             | 2.47          | -       | 31.10      | 5.80       | 32.06      |  |
| PK   | 5.441G       | 59.47             | 74.00             | -14.53         | 54.25         | 3           | Vertical  | 16             | 2.47          | -       | 31.48      | 5.84       | 32.10      |  |
| PK   | 5.465G       | 58.47             | 68.20             | -9.73          | 53.22         | 3           | Vertical  | 16             | 2.47          | -       | 31.50      | 5.86       | 32.11      |  |
| AV   | 5.46G        | 46.65             | 54.00             | -7.35          | 41.40         | 3           | Vertical  | 16             | 2.47          | -       | 31.50      | 5.86       | 32.11      |  |
| PK   | 5.582G       | 121.61            | Inf               | -Inf           | 116.25        | 3           | Vertical  | 16             | 2.47          | -       | 31.56      | 5.98       | 32.18      |  |
| AV   | 5.582G       | 111.89            | Inf               | -Inf           | 106.53        | 3           | Vertical  | 16             | 2.47          | -       | 31.56      | 5.98       | 32.18      |  |
| PK   | 5.781G       | 59.40             | 68.20             | -8.80          | 53.70         | 3           | Vertical  | 16             | 2.47          | -       | 32.00      | 6.00       | 32.30      |  |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5580MHz\_TnomVnom

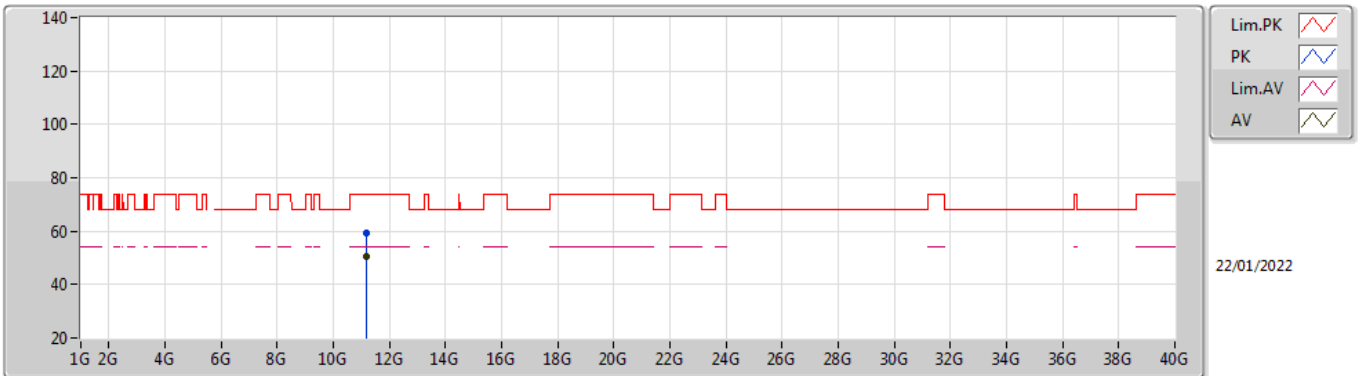


EUT X\_4TX  
Setting 25  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.346G       | 60.94             | 68.20             | -7.26          | 56.10         | 3           | Horizontal | 80             | 1.35          | -       | 31.10      | 5.80       | 32.06      |  |
| PK   | 5.46G        | 60.37             | 74.00             | -13.63         | 55.12         | 3           | Horizontal | 80             | 1.35          | -       | 31.50      | 5.86       | 32.11      |  |
| AV   | 5.46G        | 48.60             | 54.00             | -5.40          | 43.35         | 3           | Horizontal | 80             | 1.35          | -       | 31.50      | 5.86       | 32.11      |  |
| PK   | 5.469G       | 59.80             | 68.20             | -8.40          | 54.55         | 3           | Horizontal | 80             | 1.35          | -       | 31.50      | 5.87       | 32.12      |  |
| PK   | 5.571G       | 122.84            | Inf               | -Inf           | 117.50        | 3           | Horizontal | 80             | 1.35          | -       | 31.54      | 5.97       | 32.17      |  |
| AV   | 5.571G       | 113.27            | Inf               | -Inf           | 107.93        | 3           | Horizontal | 80             | 1.35          | -       | 31.54      | 5.97       | 32.17      |  |
| PK   | 5.762G       | 59.06             | 68.20             | -9.14          | 53.35         | 3           | Horizontal | 80             | 1.35          | -       | 32.00      | 6.00       | 32.29      |  |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 5580MHz\_TnomVnom

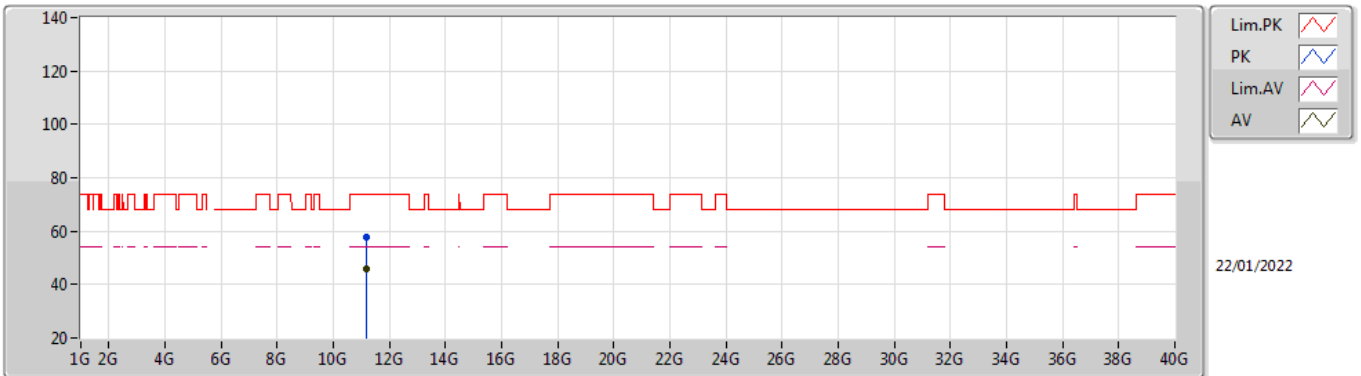


EUT X\_4TX  
Setting 25  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 11.15984G    | 59.17             | 74.00             | -14.83         | 44.45         | 3           | Vertical  | 41             | 2.17          | -       | 39.68      | 9.30       | 34.26      |
| AV   | 11.16G       | 50.65             | 54.00             | -3.35          | 35.93         | 3           | Vertical  | 41             | 2.17          | -       | 39.68      | 9.30       | 34.26      |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 5580MHz\_TnomVnom

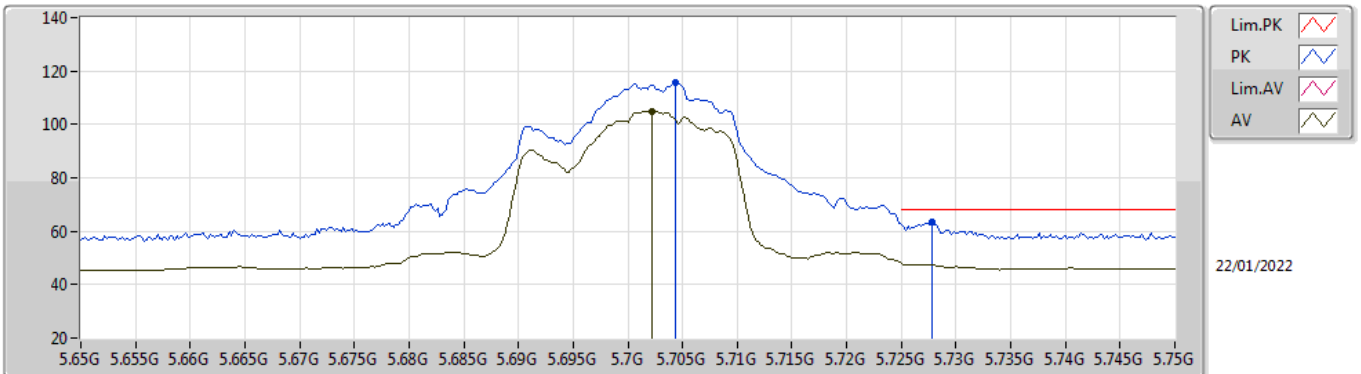


EUT X\_4TX  
Setting 25  
06-F-B-4

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|
| PK   | 11.1599G     | 57.62             | 74.00             | -16.38         | 42.90         | 3           | Horizontal | 40             | 1.61          | -       | 39.68      | 9.30       | 34.26      |
| AV   | 11.16002G    | 46.12             | 54.00             | -7.88          | 31.40         | 3           | Horizontal | 40             | 1.61          | -       | 39.68      | 9.30       | 34.26      |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5700MHz\_TnomVnom

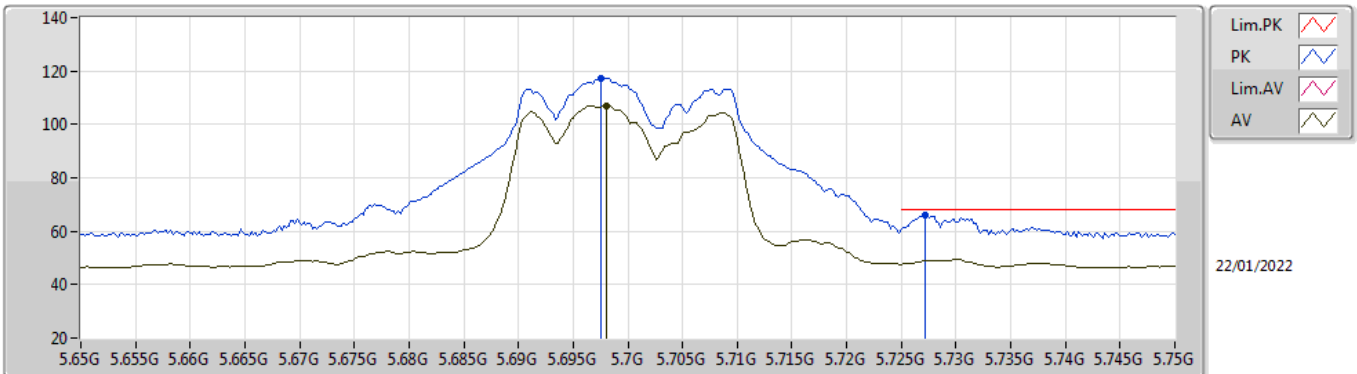


EUT\_X\_4TX  
Setting 18.5  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|-----------|----------------|---------------|---------|------------|------------|------------|
| PK   | 5.7044G      | 115.50            | Inf               | -Inf           | 109.93        | 3           | Vertical  | 351            | 2.44          | -       | 31.82      | 6.00       | 32.25      |
| AV   | 5.7022G      | 105.03            | Inf               | -Inf           | 99.47         | 3           | Vertical  | 351            | 2.44          | -       | 31.81      | 6.00       | 32.25      |
| PK   | 5.7278G      | 63.20             | 68.20             | -5.00          | 57.56         | 3           | Vertical  | 351            | 2.44          | -       | 31.91      | 6.00       | 32.27      |

# 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## 5700MHz\_TnomVnom

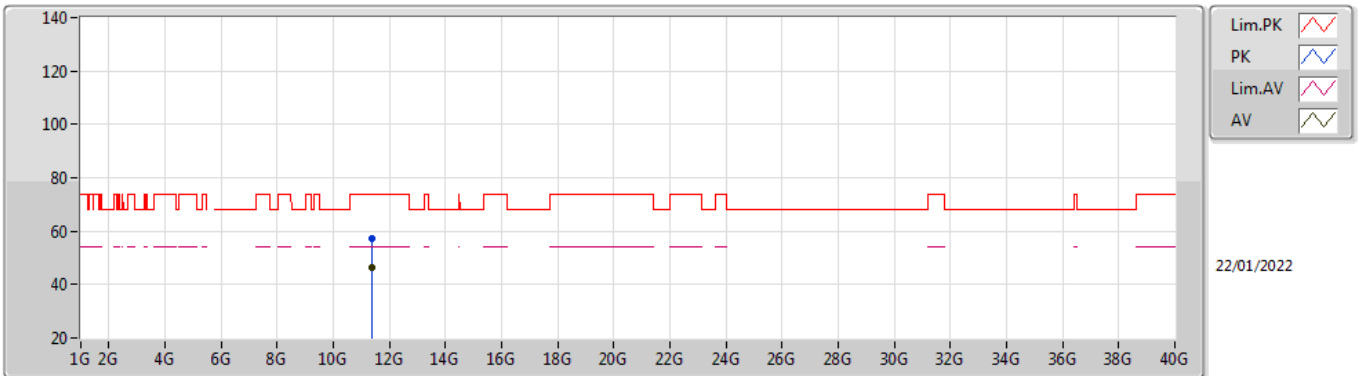


EUT\_X\_4TX  
Setting 18.5  
06-F-B-4-10

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Raw<br>(dBuV) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |  |
|------|--------------|-------------------|-------------------|----------------|---------------|-------------|------------|----------------|---------------|---------|------------|------------|------------|--|
| PK   | 5.6976G      | 117.12            | Inf               | -Inf           | 111.58        | 3           | Horizontal | 96             | 1.00          | -       | 31.79      | 6.00       | 32.25      |  |
| AV   | 5.698G       | 106.94            | Inf               | -Inf           | 101.40        | 3           | Horizontal | 96             | 1.00          | -       | 31.79      | 6.00       | 32.25      |  |
| PK   | 5.7272G      | 65.81             | 68.20             | -2.39          | 60.17         | 3           | Horizontal | 96             | 1.00          | -       | 31.91      | 6.00       | 32.27      |  |

## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### 5700MHz\_TnomVnom



EUT X\_4TX  
Setting 18.5  
06-F-B-4

| Type | Freq      | Level    | Limit    | Margin | Raw    | Dist | Condition | Azimuth | Height | Comment | AF    | CL   | PA    |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|---------|-------|------|-------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dBuV) | (m)  |           | (°)     | (m)    |         | (dB)  | (dB) | (dB)  |
| PK   | 11.40016G | 57.21    | 74.00    | -16.79 | 42.26  | 3    | Vertical  | 324     | 1.62   | -       | 39.80 | 9.44 | 34.29 |
| AV   | 11.4G     | 46.29    | 54.00    | -7.71  | 31.34  | 3    | Vertical  | 324     | 1.62   | -       | 39.80 | 9.44 | 34.29 |