



# FCC RADIO TEST REPORT

**FCC ID** : VW3FAST3896  
**Equipment** : CABLE GATEWAY  
**Brand Name** : SAGEMCOM  
**Model Name** : F@ST3896UM  
**Applicant** : SAGEMCOM BROADBAND SAS  
250 Route de l'Empereur - 92848 RUEIL  
MALMAISON CEDEX- FRANCE  
**Manufacturer** : SAGEMCOM BROADBAND SAS  
250 Route de l'Empereur - 92848 RUEIL  
MALMAISON CEDEX- FRANCE  
**Standard** : 47 CFR FCC Part 15.407

The product was received on Dec. 19, 2019, and testing was started from Dec. 24, 2019 and completed on Jan. 07, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

  
Approved by: Cliff Chang

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**

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



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TEL : 886-3-656-9065  
FAX : 886-3-656-9085  
Report Template No.: CB-A12\_1 Ver1.0



## 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           | 15.407(a)       | Emission Bandwidth          | PASS               | -      |
| 3.3           | 15.407(a)       | Peak Power Spectral Density | PASS               | -      |
| 3.4           | 15.407(b)       | Unwanted Emissions          | PASS               | -      |

**Declaration of Conformity:**

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

**Comments and Explanations:**

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: Wendy Pan**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11                       | Ch. Frequency (MHz) | Channel Number |
|-----------------------|----------------------------------------|---------------------|----------------|
| 5250-5350             | a, n (HT20), ac (VHT20),<br>ax (HEW20) | 5260-5320           | 52-64 [4]      |
| 5470-5725             |                                        | 5500-5720           | 100-144 [12]   |
| 5250-5350             | n (HT40), ac (VHT40),<br>ax (HEW40)    | 5270-5310           | 54-62 [2]      |
| 5470-5725             |                                        | 5510-5710           | 102-142 [6]    |
| 5250-5350             | ac (VHT80),<br>ax (HEW80)              | 5290                | 58 [1]         |
| 5470-5725             |                                        | 5530-5690           | 106-138 [3]    |
| 5150-5350             | ac (VHT160),<br>ax (HEW160)            | 5250                | 50 [1]         |
| 5470-5725             |                                        | 5570                | 114 [1]        |

| Band         | Mode               | BWch (MHz) | Nant |
|--------------|--------------------|------------|------|
| 5.15-5.25GHz | 802.11ac 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 |
| 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 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Nss-Min is the minimum number of spatial streams.
- ♦ Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

**1.1.2 Antenna Information****<Antenna gain>**

| Ant. | Port | Brand  | Model Name  | Antenna Type   | Connector | Gain (dBi) |      |
|------|------|--------|-------------|----------------|-----------|------------|------|
|      |      |        |             |                |           | 2.4GHz     | 5GHz |
| 1    | 1    | WANSIH | UC6WFI0107A | Dipole Antenna | I-PEX     | 3.32       | 4.98 |
| 2    | 2    | WANSIH | UC6WFI0108A | Dipole Antenna | I-PEX     |            |      |
| 3    | 3    | WANSIH | UC6WFI0109A | Dipole Antenna | I-PEX     |            |      |
| 4    | 4    | WANSIH | UC6WFI0110A | Dipole Antenna | I-PEX     |            |      |

**<Correlated gain>**

| Correlated TX / Streams | Gain (dBi) |             |             |             |             |
|-------------------------|------------|-------------|-------------|-------------|-------------|
|                         | 2.4GHz     | 5GHz Band 1 | 5GHz Band 2 | 5GHz Band 3 | 5GHz Band 4 |
| 4T1S (Ant. 1/2/3/4)     | 6.21       | 7.36        | 6.94        | 7.39        | 7.39        |

Note: The above information was declared by manufacturer.

**For 2.4GHz function:****For IEEE 802.11b/g/n/VHT/ax (4TX/4RX):**

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

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

**For 5GHz function:****For IEEE 802.11a/n/ac/ax (4TX/4RX):**

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

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

**1.1.3 Mode Test Duty Cycle**

| Mode               | DC    | DCF(dB) | T(s)           | VBW(Hz) ≥ 1/T  |
|--------------------|-------|---------|----------------|----------------|
| 802.11a            | 0.948 | 0.23    | 2.068m         | 1k             |
| 802.11ac VHT20     | 0.981 | 0.08    | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11ac VHT20-BF  | 0.947 | 0.24    | 2.928m         | 1k             |
| 802.11ac VHT40     | 0.964 | 0.16    | 775u           | 3k             |
| 802.11ac VHT40-BF  | 0.981 | 0.08    | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11ac VHT80     | 0.932 | 0.31    | 405u           | 3k             |
| 802.11ac VHT80-BF  | 0.956 | 0.2     | 4.147m         | 300            |
| 802.11ac VHT160    | 0.888 | 0.52    | 233.75u        | 10k            |
| 802.11ac VHT160-BF | 0.965 | 0.15    | 5.359m         | 300            |
| 802.11ax HEW20     | 0.981 | 0.08    | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11ax HEW20-BF  | 0.947 | 0.24    | 2.928m         | 1k             |
| 802.11ax HEW40     | 0.964 | 0.16    | 775u           | 3k             |
| 802.11ax HEW40-BF  | 0.981 | 0.08    | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11ax HEW80     | 0.932 | 0.31    | 405u           | 3k             |
| 802.11ax HEW80-BF  | 0.956 | 0.2     | 4.147m         | 300            |
| 802.11ax HEW160    | 0.888 | 0.52    | 233.75u        | 10k            |
| 802.11ax HEW160-BF | 0.965 | 0.15    | 5.359m         | 300            |

Note:

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

**1.1.4 EUT Operational Condition**

|                              |                                                                                  |                  |                                     |                     |
|------------------------------|----------------------------------------------------------------------------------|------------------|-------------------------------------|---------------------|
| <b>EUT Power Type</b>        | From Power Adapter                                                               |                  |                                     |                     |
| <b>Beamforming Function</b>  | <input checked="" type="checkbox"/>                                              | With beamforming | <input type="checkbox"/>            | Without beamforming |
|                              | The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz. |                  |                                     |                     |
| <b>Function</b>              | <input type="checkbox"/>                                                         | Outdoor P2M      | <input checked="" type="checkbox"/> | Indoor P2M          |
|                              | <input type="checkbox"/>                                                         | Fixed P2P        | <input type="checkbox"/>            | Client              |
| <b>Test Software Version</b> | MTool 3.1.0.1                                                                    |                  |                                     |                     |

Note: The above information was declared by manufacturer.



### 1.1.5 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR9N2622AB

Below is the table for the change of the product with respect to the original one.

| Modifications                                                                    | Performance Checking               |
|----------------------------------------------------------------------------------|------------------------------------|
| 1. Adding 5GHz band 2 and band 3 (5250~5350 MHz, 5470~5725 MHz) for this device. | 1. Emission Bandwidth.             |
| 2. Adding 802.11ac 160MHz and 802.11ax 160MHz Mode.                              | 2. Maximum Conducted Output Power. |
|                                                                                  | 3. Peak Power Spectral Density.    |
|                                                                                  | 4. Unwanted Emissions above 1GHz.  |



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

## 1.3 Testing Location Information

| Testing Location                    |        |                                                                                  |                      |                      |
|-------------------------------------|--------|----------------------------------------------------------------------------------|----------------------|----------------------|
| <input type="checkbox"/>            | HWA YA | ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)        | TEL : 886-3-327-3456 | FAX : 886-3-327-0973 |
| <input checked="" type="checkbox"/> | JHUBEI | ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. | TEL : 886-3-656-9065 | FAX : 886-3-656-9085 |

| Test Condition | Test Site No. | Test Engineer | Test Environment     | Test Date                     |
|----------------|---------------|---------------|----------------------|-------------------------------|
| RF Conducted   | TH02-CB       | Brian Sun     | 17.7-18.7°C / 56-60% | Jan. 04, 2020 ~ Jan. 07, 2020 |
| Radiated       | 03CH04-CB     | Zero Chen     | 17.9-18.7°C / 66-70% | Dec. 24, 2019 ~ Dec. 25, 2019 |

Test site Designation No. TW0006 with FCC.

Test site registered number IC 4086D with Industry Canada.

## 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                   |
|-----------------------------------|-------------|--------------------------|
| Radiated Emission (1GHz ~ 18GHz)  | 4.3 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz) | 5.1 dB      | Confidence levels of 95% |
| Conducted Emission                | 2.4 dB      | Confidence levels of 95% |
| Output Power Measurement          | 1.5 dB      | Confidence levels of 95% |
| Power Density Measurement         | 2.4 dB      | Confidence levels of 95% |
| Bandwidth Measurement             | 2%          | Confidence levels of 95% |



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

| Mode                            |
|---------------------------------|
| 802.11a_Nss1,(6Mbps)_4TX        |
| 5260MHz                         |
| 5300MHz                         |
| 5320MHz                         |
| 5500MHz                         |
| 5580MHz                         |
| 5700MHz                         |
| 5720MHz Straddle 5.47-5.725GHz  |
| 5720MHz Straddle 5.725-5.85GHz  |
| 802.11ac VHT20_Nss1,(MCS0)_4TX  |
| 5260MHz                         |
| 5300MHz                         |
| 5320MHz                         |
| 5500MHz                         |
| 5580MHz                         |
| 5700MHz                         |
| 5720MHz Straddle 5.47-5.725GHz  |
| 5720MHz Straddle 5.725-5.85GHz  |
| 802.11ac VHT40_Nss1,(MCS0)_4TX  |
| 5270MHz                         |
| 5310MHz                         |
| 5510MHz                         |
| 5550MHz                         |
| 5670MHz                         |
| 5710MHz Straddle 5.47-5.725GHz  |
| 5710MHz Straddle 5.725-5.85GHz  |
| 802.11ac VHT80_Nss1,(MCS0)_4TX  |
| 5290MHz                         |
| 5530MHz                         |
| 5610MHz                         |
| 5690MHz Straddle 5.47-5.725GHz  |
| 5690MHz Straddle 5.725-5.85GHz  |
| 802.11ac VHT160_Nss1,(MCS0)_4TX |
| 5250MHz Straddle 5.15-5.25GHz   |
| 5250MHz Straddle 5.25-5.35GHz   |
| 5570MHz                         |



| Mode                               |
|------------------------------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX  |
| 5260MHz                            |
| 5300MHz                            |
| 5320MHz                            |
| 5500MHz                            |
| 5580MHz                            |
| 5700MHz                            |
| 5720MHz Straddle 5.47-5.725GHz     |
| 5720MHz Straddle 5.725-5.85GHz     |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX  |
| 5270MHz                            |
| 5310MHz                            |
| 5510MHz                            |
| 5550MHz                            |
| 5670MHz                            |
| 5710MHz Straddle 5.47-5.725GHz     |
| 5710MHz Straddle 5.725-5.85GHz     |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX  |
| 5290MHz                            |
| 5530MHz                            |
| 5610MHz                            |
| 5690MHz Straddle 5.47-5.725GHz     |
| 5690MHz Straddle 5.725-5.85GHz     |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX |
| 5250MHz Straddle 5.15-5.25GHz      |
| 5250MHz Straddle 5.25-5.35GHz      |
| 5570MHz                            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX     |
| 5260MHz                            |
| 5300MHz                            |
| 5320MHz                            |
| 5500MHz                            |
| 5580MHz                            |
| 5700MHz                            |
| 5720MHz Straddle 5.47-5.725GHz     |
| 5720MHz Straddle 5.725-5.85GHz     |
| 802.11ax HEW40_Nss1,(MCS0)_4TX     |
| 5270MHz                            |
| 5310MHz                            |
| 5510MHz                            |



| Mode                               |
|------------------------------------|
| 5550MHz                            |
| 5670MHz                            |
| 5710MHz Straddle 5.47-5.725GHz     |
| 5710MHz Straddle 5.725-5.85GHz     |
| 802.11ax HEW80_Nss1,(MCS0)_4TX     |
| 5290MHz                            |
| 5530MHz                            |
| 5610MHz                            |
| 5690MHz Straddle 5.47-5.725GHz     |
| 5690MHz Straddle 5.725-5.85GHz     |
| 802.11ax HEW160_Nss1,(MCS0)_4TX    |
| 5250MHz Straddle 5.15-5.25GHz      |
| 5250MHz Straddle 5.25-5.35GHz      |
| 5570MHz                            |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  |
| 5260MHz                            |
| 5300MHz                            |
| 5320MHz                            |
| 5500MHz                            |
| 5580MHz                            |
| 5700MHz                            |
| 5720MHz Straddle 5.47-5.725GHz     |
| 5720MHz Straddle 5.725-5.85GHz     |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  |
| 5270MHz                            |
| 5310MHz                            |
| 5510MHz                            |
| 5550MHz                            |
| 5670MHz                            |
| 5710MHz Straddle 5.47-5.725GHz     |
| 5710MHz Straddle 5.725-5.85GHz     |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  |
| 5290MHz                            |
| 5530MHz                            |
| 5610MHz                            |
| 5690MHz Straddle 5.47-5.725GHz     |
| 5690MHz Straddle 5.725-5.85GHz     |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX |
| 5250MHz Straddle 5.15-5.25GHz      |
| 5250MHz Straddle 5.25-5.35GHz      |



| Mode    |
|---------|
| 5570MHz |

Note:

- ♦ There are two modes of EUT, one is beamforming mode, and the other is Non-beamforming mode for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz. Beamforming mode and Non-beamforming mode has been test and record in this test report.



## 2.2 The Worst Case Measurement Configuration

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

| The Worst Case Mode for Following Conformance Tests |                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | Unwanted Emissions                                                                                                                                                                                                                                  |
| <b>Test Condition</b>                               | Radiated measurement<br>If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type. |
| <b>Operating Mode &gt; 1GHz</b>                     | CTX                                                                                                                                                                                                                                                 |

| The Worst Case Mode for Following Conformance Tests                                   |                                                                         |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Tests Item</b>                                                                     | Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation |
| <b>Operating Mode</b>                                                                 |                                                                         |
| 1                                                                                     | WLAN 2.4GHz+WLAN 5GHz                                                   |
| Refer to Sporton Test Report No.: FA9N2622-01 for Co-location RF Exposure Evaluation. |                                                                         |

Note: The EUT can only be used at Y axis.



## 2.3 EUT Operation during Test

<non-beamforming mode>

The EUT was programmed to be in continuously transmitting mode.

<beamforming mode>

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN XP 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.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

## 2.4 Accessories

| Power     | Brand  | Model                   | Rating                                                   |
|-----------|--------|-------------------------|----------------------------------------------------------|
| Adapter 1 | NetBit | NBS42E120350VU          | Input: 100-120V~50/60Hz 1.0A<br>Output: 12V, 3.5A        |
| Adapter 2 | MOSO   | MSG-V3500AR120-042A0-US | Input: 100-120V~50/60Hz 1.2A Max.<br>Output: 12.0V, 3.5A |



## 2.5 Support Equipment

**For Radiated:**

&lt;non-beamforming mode&gt;

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

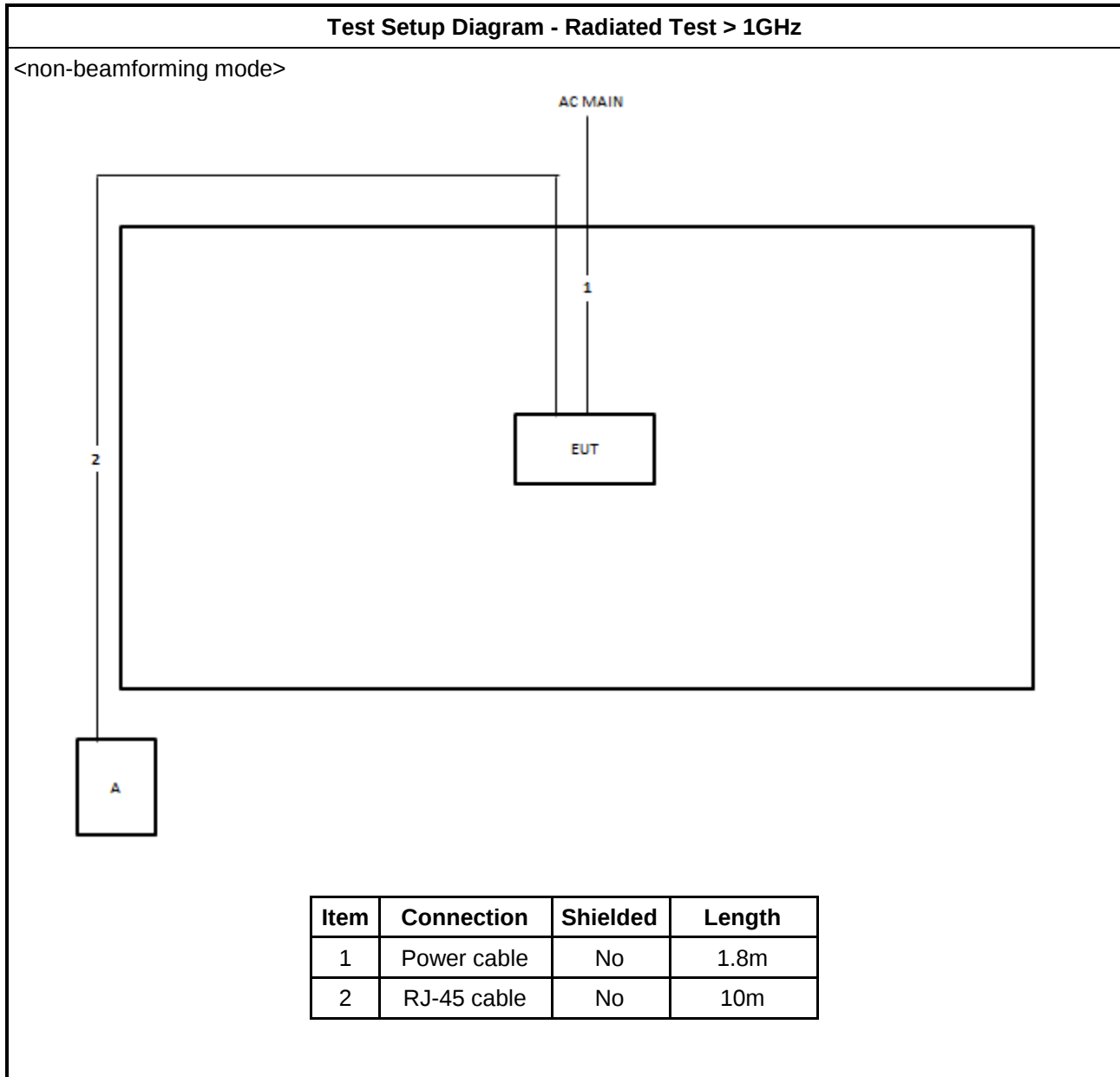
&lt;beamforming mode&gt;

| Support Equipment |           |            |            |              |
|-------------------|-----------|------------|------------|--------------|
| No.               | Equipment | Brand Name | Model Name | FCC ID       |
| A                 | Notebook  | DELL       | E4300      | N/A          |
| B                 | RX Device | ASUS       | RT-AX88U   | MSQ-RTAXHP00 |
| C                 | Notebook  | DELL       | E4300      | N/A          |

**For RF Conducted:**

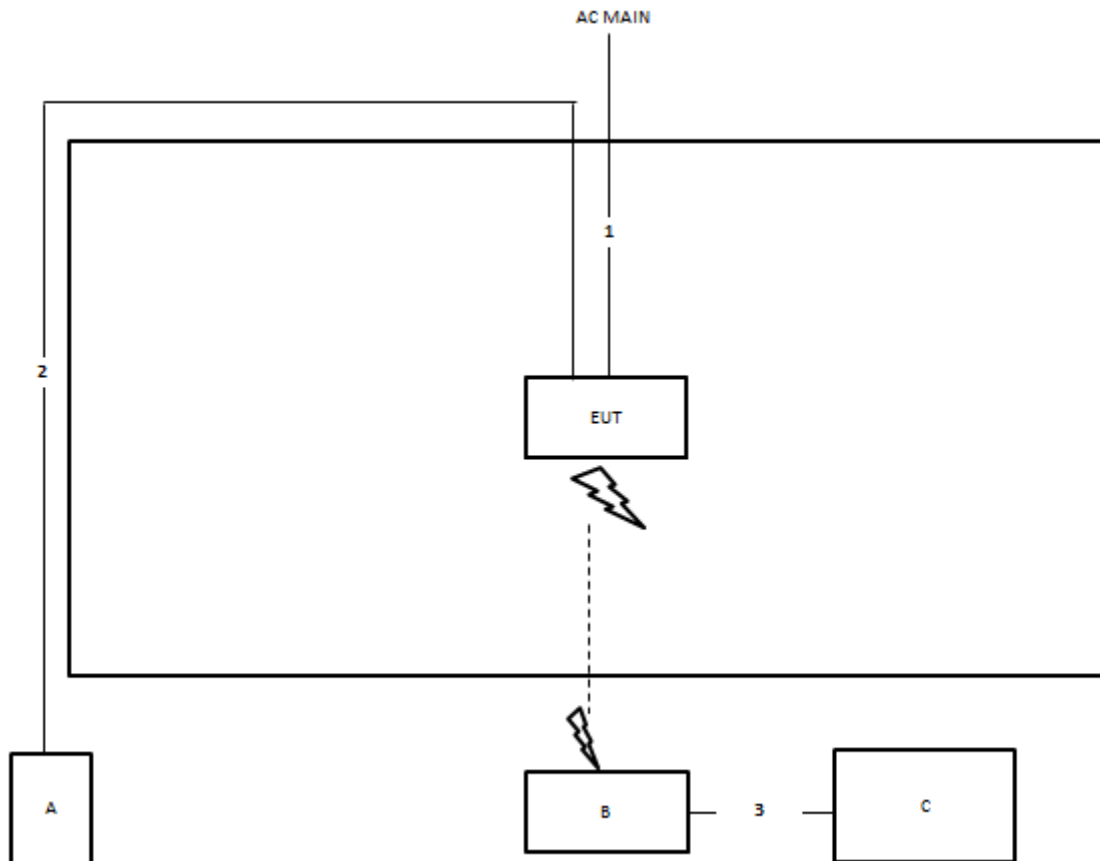
| Support Equipment |           |            |            |        |
|-------------------|-----------|------------|------------|--------|
| No.               | Equipment | Brand Name | Model Name | FCC ID |
| A                 | Notebook  | DELL       | E4300      | N/A    |

## 2.6 Test Setup Diagram



**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    | RJ-45 cable | No       | 1.5m   |

### 3 Transmitter Test Result

#### 3.1 Emission Bandwidth

##### 3.1.1 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 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 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, 6 dB emission bandwidth $\geq$ 500kHz.                                                                                                                   |
| <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 $\geq$ 500kHz.                                                                                                                   |

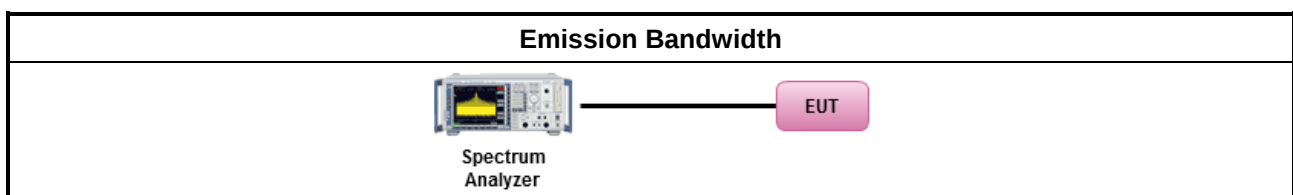
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

| Test Method                                                                                                                    |                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>For the emission bandwidth shall be measured using one of the options below:</li> </ul> |                                                                             |
| <input checked="" type="checkbox"/>                                                                                            | Refer as FCC KDB 789033, 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.                      |

##### 3.1.4 Test Setup



##### 3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A



## 3.2 Maximum Conducted Output Power

### 3.2.1 Maximum Conducted Output Power Limit

| Maximum Conducted Output Power Limit                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UNII Devices</b>                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"><li>Outdoor AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>. e.i.r.p. at any elevation angle above 30 degrees <math>\leq 125</math>mW [21dBm]</li><li>Indoor AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math></li><li>Point-to-point AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 23</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 23)</math>.</li><li>Mobile or Portable Client: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 250 mW. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 24 - (G_{TX} - 6)</math>.</li></ul> |
| <input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ .  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ . |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"><li>Point-to-multipoint systems (P2M): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>.</li><li>Point-to-point systems (P2P): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>LE-LAN Devices</b>                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/> For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/> For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/> For the 5.725-5.85 GHz band:                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"><li>Point-to-multipoint systems (P2M): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>.</li><li>Point-to-point systems (P2P): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| $P_{Out}$ = maximum conducted output power in dBm,<br>$G_{TX}$ = the maximum transmitting antenna directional gain in dBi.                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### 3.2.2 Measuring Instruments

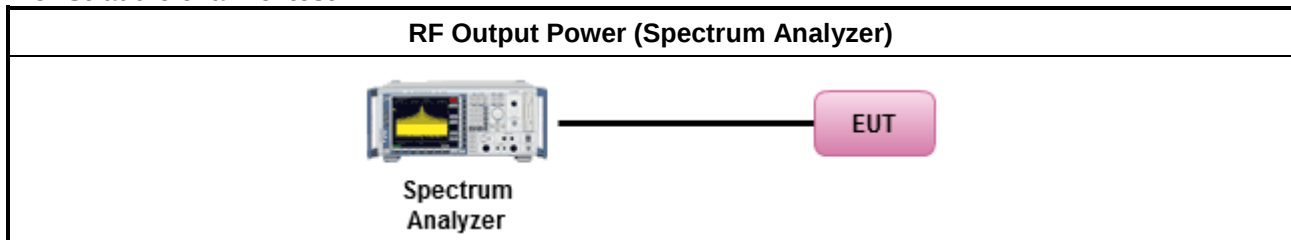
Refer a test equipment and calibration data table in this test report.

### 3.2.3 Test Procedures

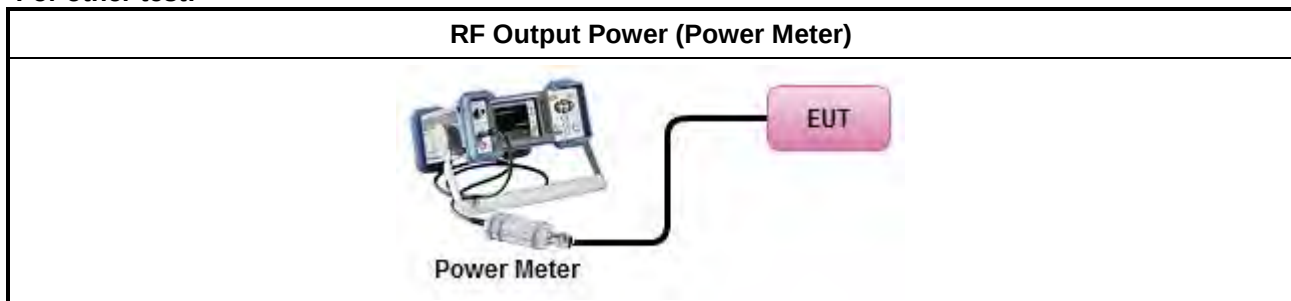
| Test Method                                                                                                                                                                                                                                                                                                                                                            |                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Maximum Conducted Output Power</li> </ul>                                                                                                                                                                                                                                                                                       |                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                        | Average over on/off periods with duty factor                                             |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                    | Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).                |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                               | Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed) |
|                                                                                                                                                                                                                                                                                                                                                                        | Wideband RF power meter and average over on/off periods with duty factor                 |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                    | Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter).         |
| <ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>                                                                                                                                                                                                                                                                                           |                                                                                          |
| <ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below:<br/>Refer as 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 display="block">P_{total} = P_1 + P_2 + \dots + P_n</math> (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math display="block">EIRP_{total} = P_{total} + DG</math> </li> </ul>                                  |                                                                                          |

### 3.2.4 Test Setup

For Straddle channel test:



For other test:



### 3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B



### 3.3 Peak Power Spectral Density

#### 3.3.1 Peak Power Spectral Density Limit

| Peak Power Spectral Density Limit                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UNII Devices</b>                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"><li>Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 6)</math>.</li><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>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>; <math>-13 - 0.716(\theta - 8)</math> dBW/MHz for <math>8^\circ \leq \theta &lt; 40^\circ</math><br/><math>-35.9 - 1.22(\theta - 40)</math> 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 the same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz<br><b><math>G_{TX}</math></b> = the maximum transmitting antenna directional gain in dBi. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



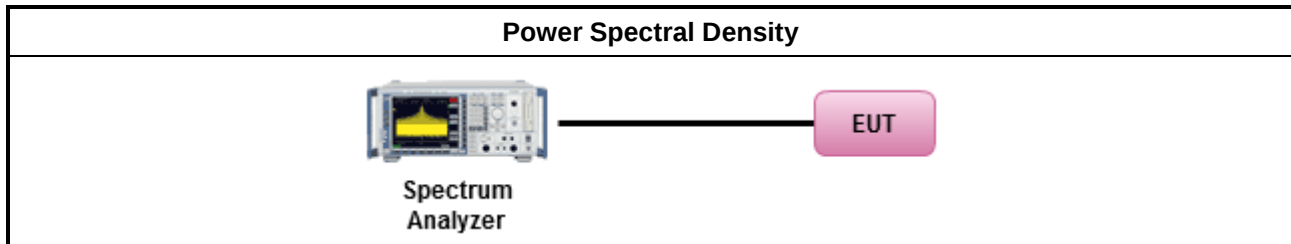
### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

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

### 3.3.4 Test Setup



### 3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C



### 3.4 Unwanted Emissions

#### 3.4.1 Transmitter Unwanted Emissions Limit

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

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

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

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

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

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



linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

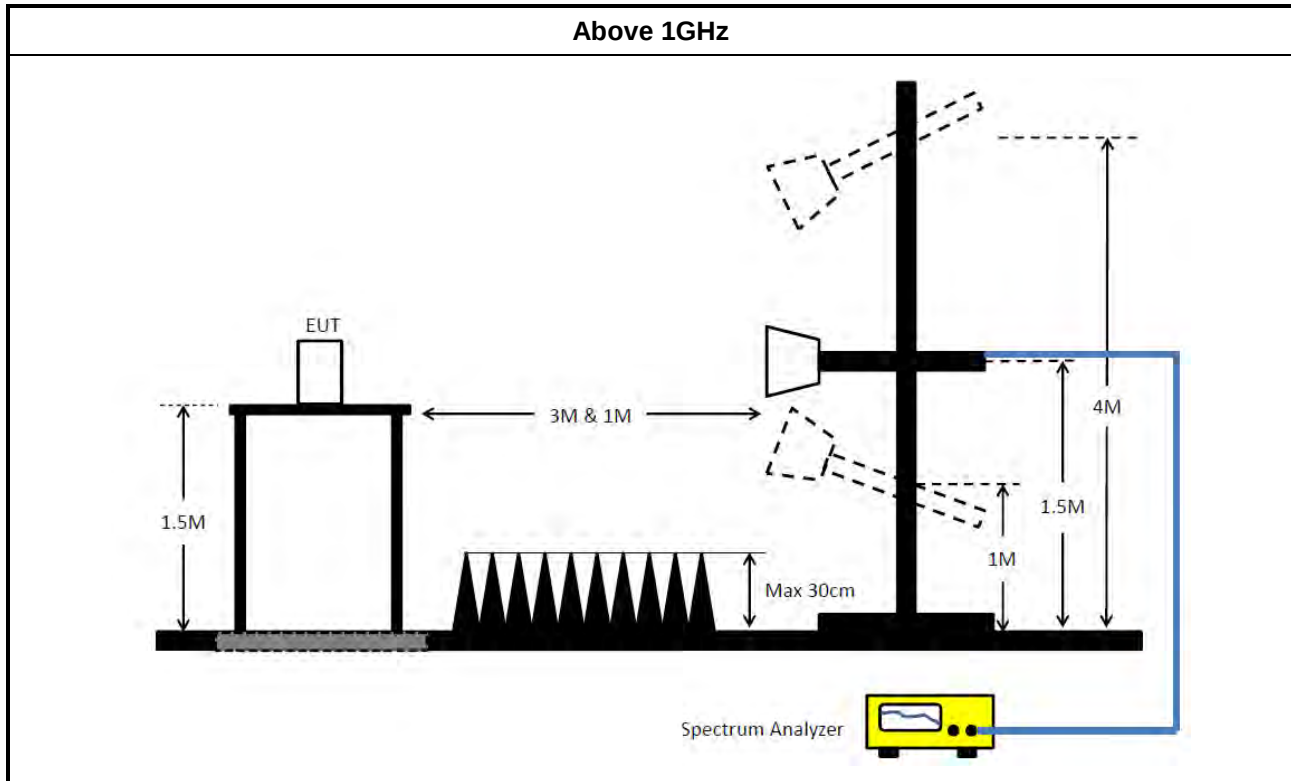
### 3.4.2 Measuring Instruments

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>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>For radiated measurement.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <ul style="list-style-type: none"><li>Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.</li></ul>           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.</li></ul>               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> Refer as FCC KDB 789033, 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, clause G)5) measurement procedure peak limit.                                       |
| <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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <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>The any unwanted emissions level shall not exceed the fundamental emission level.</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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                  |

### 3.4.4 Test Setup



### 3.4.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

### 3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



## 4 Test Equipment and Calibration Data

| Instrument        | Manufacturer   | Model No.     | Serial No.       | Characteristics  | Calibration Date | Calibration Due Date | Remark                |
|-------------------|----------------|---------------|------------------|------------------|------------------|----------------------|-----------------------|
| Horn Antenna      | ETS • Lindgren | 3115          | 6821             | 750MHz~18GHz     | Jan. 24, 2019    | Jan. 23, 2020        | Radiation (03CH03-CB) |
| Spectrum Analyzer | R&S            | FSP40         | 100019           | 9kHz ~ 40GHz     | Jun. 19, 2019    | Jun. 18, 2020        | Radiation (03CH03-CB) |
| EMI Test Receiver | R&S            | ESCS          | 826547/017       | 9kHz ~ 2.75GHz   | May 15, 2019     | May 14, 2020         | Radiation (03CH03-CB) |
| Horn Antenna      | ETS • Lindgren | 3115          | 00143147         | 750MHz~18GHz     | Oct. 22, 2019    | Oct. 21, 2020        | Radiation (03CH04-CB) |
| Horn Antenna      | SCHWARZBECK    | BBHA 9170     | BBHA9170507      | 15GHz ~ 40GHz    | Jun. 12, 2019    | Jun. 11, 2020        | Radiation (03CH04-CB) |
| Pre-Amplifier     | Agilent        | 83017A        | MY53270063       | 0.5GHz ~ 26.5GHz | Mar. 19, 2019    | Mar. 18, 2020        | Radiation (03CH04-CB) |
| Pre-Amplifier     | MITEQ          | TTA1840-35-HG | 1864479          | 18GHz ~ 40GHz    | Jul. 03, 2019    | Jul. 02, 2020        | Radiation (03CH04-CB) |
| Spectrum Analyzer | R&S            | FSP40         | 100142           | 9kHz~40GHz       | Dec. 18, 2019    | Dec. 17, 2020        | Radiation (03CH04-CB) |
| RF Cable-high     | Woken          | RG402         | High Cable-21    | 1GHz - 18GHz     | Oct. 07, 2019    | Oct. 06, 2020        | Radiation (03CH04-CB) |
| RF Cable-high     | Woken          | RG402         | High Cable-21+22 | 1GHz - 18GHz     | Oct. 07, 2019    | Oct. 06, 2020        | Radiation (03CH04-CB) |
| RF Cable-high     | Woken          | RG402         | High Cable-40G#1 | 18GHz ~ 40 GHz   | Jul. 24, 2019    | Jul. 23, 2020        | Radiation (03CH04-CB) |
| RF Cable-high     | Woken          | RG402         | High Cable-40G#2 | 18GHz ~ 40 GHz   | Jul. 24, 2019    | Jul. 23, 2020        | Radiation (03CH04-CB) |
| Spectrum analyzer | R&S            | FSV40         | 101027           | 9kHz~40GHz       | Jul. 02, 2019    | Jul. 01, 2020        | Conducted (TH02-CB)   |
| Power Sensor      | Anritsu        | MA2411B       | 1126203          | 300MHz~40GHz     | Sep. 11, 2019    | Sep. 10, 2020        | Conducted (TH02-CB)   |
| Power Meter       | Anritsu        | ML2495A       | 1210004          | 300MHz~40GHz     | Sep. 11, 2019    | Sep. 10, 2020        | Conducted (TH02-CB)   |
| RF Cable-high     | Woken          | RG402         | High Cable-01    | 1 GHz – 26.5 GHz | Oct. 07, 2019    | Oct. 06, 2020        | Conducted (TH02-CB)   |
| RF Cable-high     | Woken          | RG402         | High Cable-02    | 1 GHz – 26.5 GHz | Oct. 07, 2019    | Oct. 06, 2020        | Conducted (TH02-CB)   |
| RF Cable-high     | Woken          | RG402         | High Cable-3     | 1 GHz – 26.5 GHz | Oct. 07, 2019    | Oct. 06, 2020        | Conducted (TH02-CB)   |
| RF Cable-high     | Woken          | RG402         | High Cable-04    | 1 GHz – 26.5 GHz | Oct. 07, 2019    | Oct. 06, 2020        | Conducted (TH02-CB)   |
| RF Cable-high     | Woken          | RG402         | High Cable-05    | 1 GHz – 26.5 GHz | Oct. 07, 2019    | Oct. 06, 2020        | Conducted (TH02-CB)   |

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

**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 HEW160_Nss1,(MCS0)_4TX    | 82.2M            | 77.841M         | 77M8D1D  | 81.48M           | 77.481M         |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 82.32M           | 77.961M         | 78M0D1D  | 81.36M           | 77.361M         |
| 5.25-5.35GHz                       | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_4TX           | 21.33M           | 16.822M         | 16M8D1D  | 21.12M           | 16.642M         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX     | 21.63M           | 19.1M           | 19M1D1D  | 21.24M           | 19.01M          |
| 802.11ax HEW40_Nss1,(MCS0)_4TX     | 40.14M           | 37.601M         | 37M6D1D  | 39.9M            | 37.481M         |
| 802.11ax HEW80_Nss1,(MCS0)_4TX     | 81.96M           | 77.121M         | 77M1D1D  | 81.72M           | 76.882M         |
| 802.11ax HEW160_Nss1,(MCS0)_4TX    | 82.8M            | 77.961M         | 78M0D1D  | 82.32M           | 77.601M         |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 21.63M           | 19.13M          | 19M1D1D  | 21.3M            | 18.981M         |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 40.26M           | 37.601M         | 37M6D1D  | 39.78M           | 37.481M         |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 82.32M           | 77.121M         | 77M1D1D  | 81.96M           | 77.001M         |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 82.8M            | 77.961M         | 78M0D1D  | 82.32M           | 77.601M         |
| 5.47-5.725GHz                      | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_4TX           | 21.36M           | 16.822M         | 16M8D1D  | 15.523M          | 13.346M         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX     | 21.57M           | 19.13M          | 19M1D1D  | 15.698M          | 13.923M         |
| 802.11ax HEW40_Nss1,(MCS0)_4TX     | 40.14M           | 37.601M         | 37M6D1D  | 34.913M          | 33.508M         |
| 802.11ax HEW80_Nss1,(MCS0)_4TX     | 82.2M            | 77.121M         | 77M1D1D  | 75.795M          | 73.046M         |
| 802.11ax HEW160_Nss1,(MCS0)_4TX    | 165.36M          | 155.202M        | 155MD1D  | 164.4M           | 154.963M        |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 21.63M           | 19.1M           | 19M1D1D  | 15.645M          | 14.483M         |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 40.14M           | 37.601M         | 37M6D1D  | 34.913M          | 33.583M         |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 82.32M           | 77.121M         | 77M1D1D  | 75.718M          | 73.046M         |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 165.6M           | 155.442M        | 155MD1D  | 164.16M          | 154.963M        |
| 5.725-5.85GHz                      | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_4TX           | 3.225M           | 4.273M          | 4M27D1D  | 3.135M           | 4.138M          |
| 802.11ax HEW20_Nss1,(MCS0)_4TX     | 4.515M           | 4.783M          | 4M78D1D  | 4.455M           | 4.663M          |
| 802.11ax HEW40_Nss1,(MCS0)_4TX     | 3.78M            | 4.078M          | 4M08D1D  | 3.675M           | 4.048M          |
| 802.11ax HEW80_Nss1,(MCS0)_4TX     | 3.795M           | 4.153M          | 4M15D1D  | 3.3M             | 4.093M          |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 4.515M           | 4.753M          | 4M75D1D  | 4.425M           | 4.648M          |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 3.75M            | 4.078M          | 4M08D1D  | 3.495M           | 4.063M          |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 3.795M           | 4.153M          | 4M15D1D  | 3.285M           | 4.093M          |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

**Max-OBW** = Maximum 99% occupied bandwidth;

**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

**Min-OBW** = Minimum 99% occupied bandwidth;

**Result**

| Mode                              | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) | Port 3-N dB<br>(Hz) | Port 3-OBW<br>(Hz) | Port 4-N dB<br>(Hz) | Port 4-OBW<br>(Hz) |
|-----------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| 802.11a_Nss1,(6Mbps)_4TX          | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5260MHz                           | Pass   | Inf           | 21.12M              | 16.672M            | 21.24M              | 16.672M            | 21.24M              | 16.792M            | 21.21M              | 16.762M            |
| 5300MHz                           | Pass   | Inf           | 21.18M              | 16.642M            | 21.21M              | 16.672M            | 21.3M               | 16.822M            | 21.21M              | 16.762M            |
| 5320MHz                           | Pass   | Inf           | 21.18M              | 16.672M            | 21.12M              | 16.702M            | 21.33M              | 16.792M            | 21.18M              | 16.762M            |
| 5500MHz                           | Pass   | Inf           | 21.3M               | 16.642M            | 21.36M              | 16.732M            | 21.27M              | 16.822M            | 21.12M              | 16.702M            |
| 5580MHz                           | Pass   | Inf           | 21.18M              | 16.642M            | 21.33M              | 16.792M            | 21.33M              | 16.792M            | 21.18M              | 16.702M            |
| 5700MHz                           | Pass   | Inf           | 21.12M              | 16.642M            | 21.36M              | 16.762M            | 21.3M               | 16.792M            | 21.12M              | 16.702M            |
| 5720MHz Straddle 5.47-5.725GHz    | Pass   | Inf           | 15.558M             | 13.346M            | 15.733M             | 13.433M            | 15.645M             | 13.398M            | 15.523M             | 13.346M            |
| 5720MHz Straddle 5.725-5.85GHz    | Pass   | 500k          | 3.15M               | 4.138M             | 3.225M              | 4.198M             | 3.135M              | 4.273M             | 3.15M               | 4.228M             |
| 802.11ax HEW20_Nss1,(MCS0)_4TX    | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5260MHz                           | Pass   | Inf           | 21.6M               | 19.1M              | 21.48M              | 19.04M             | 21.45M              | 19.04M             | 21.24M              | 19.01M             |
| 5300MHz                           | Pass   | Inf           | 21.63M              | 19.1M              | 21.54M              | 19.04M             | 21.39M              | 19.07M             | 21.3M               | 19.01M             |
| 5320MHz                           | Pass   | Inf           | 21.6M               | 19.1M              | 21.45M              | 19.04M             | 21.3M               | 19.04M             | 21.48M              | 19.01M             |
| 5500MHz                           | Pass   | Inf           | 21.57M              | 19.13M             | 21.57M              | 19.04M             | 21.36M              | 19.07M             | 21.33M              | 19.01M             |
| 5580MHz                           | Pass   | Inf           | 21.54M              | 19.07M             | 21.54M              | 19.04M             | 21.21M              | 19.07M             | 21.36M              | 19.04M             |
| 5700MHz                           | Pass   | Inf           | 21.57M              | 19.1M              | 21.45M              | 19.04M             | 21.36M              | 19.07M             | 21.42M              | 19.01M             |
| 5720MHz Straddle 5.47-5.725GHz    | Pass   | Inf           | 15.733M             | 13.941M            | 15.75M              | 13.923M            | 15.733M             | 13.941M            | 15.698M             | 13.923M            |
| 5720MHz Straddle 5.725-5.85GHz    | Pass   | 500k          | 4.5M                | 4.783M             | 4.455M              | 4.708M             | 4.515M              | 4.738M             | 4.485M              | 4.663M             |
| 802.11ax HEW40_Nss1,(MCS0)_4TX    | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5270MHz                           | Pass   | Inf           | 40.02M              | 37.601M            | 40.02M              | 37.481M            | 39.9M               | 37.481M            | 40.08M              | 37.541M            |
| 5310MHz                           | Pass   | Inf           | 40.08M              | 37.601M            | 39.96M              | 37.541M            | 39.9M               | 37.481M            | 40.14M              | 37.541M            |
| 5510MHz                           | Pass   | Inf           | 40.08M              | 37.541M            | 40.08M              | 37.541M            | 39.9M               | 37.601M            | 40.08M              | 37.541M            |
| 5550MHz                           | Pass   | Inf           | 40.14M              | 37.481M            | 40.02M              | 37.601M            | 40.02M              | 37.541M            | 40.08M              | 37.481M            |
| 5670MHz                           | Pass   | Inf           | 40.08M              | 37.481M            | 40.02M              | 37.541M            | 39.84M              | 37.541M            | 39.9M               | 37.481M            |
| 5710MHz Straddle 5.47-5.725GHz    | Pass   | Inf           | 35.025M             | 33.508M            | 35.063M             | 33.583M            | 34.913M             | 33.583M            | 35.138M             | 33.546M            |
| 5710MHz Straddle 5.725-5.85GHz    | Pass   | 500k          | 3.78M               | 4.078M             | 3.765M              | 4.063M             | 3.675M              | 4.078M             | 3.75M               | 4.048M             |
| 802.11ax HEW80_Nss1,(MCS0)_4TX    | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5290MHz                           | Pass   | Inf           | 81.72M              | 76.882M            | 81.72M              | 77.001M            | 81.96M              | 77.121M            | 81.96M              | 77.121M            |
| 5530MHz                           | Pass   | Inf           | 81.84M              | 77.121M            | 81.96M              | 77.001M            | 82.2M               | 77.001M            | 81.96M              | 77.121M            |
| 5610MHz                           | Pass   | Inf           | 81.6M               | 77.001M            | 82.08M              | 77.001M            | 81.96M              | 77.121M            | 82.08M              | 77.121M            |
| 5690MHz Straddle 5.47-5.725GHz    | Pass   | Inf           | 75.795M             | 73.123M            | 76.028M             | 73.123M            | 75.873M             | 73.046M            | 75.873M             | 73.046M            |
| 5690MHz Straddle 5.725-5.85GHz    | Pass   | 500k          | 3.75M               | 4.093M             | 3.3M                | 4.093M             | 3.78M               | 4.123M             | 3.795M              | 4.153M             |
| 802.11ax HEW160_Nss1,(MCS0)_4TX   | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5250MHz Straddle 5.15-5.25GHz     | Pass   | Inf           | 81.96M              | 77.841M            | 82.2M               | 77.481M            | 81.6M               | 77.721M            | 81.48M              | 77.601M            |
| 5250MHz Straddle 5.25-5.35GHz     | Pass   | Inf           | 82.8M               | 77.961M            | 82.32M              | 77.601M            | 82.56M              | 77.841M            | 82.68M              | 77.721M            |
| 5570MHz                           | Pass   | Inf           | 164.88M             | 155.202M           | 165.36M             | 155.202M           | 164.4M              | 154.963M           | 164.64M             | 154.963M           |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5260MHz                           | Pass   | Inf           | 21.63M              | 19.13M             | 21.42M              | 19.07M             | 21.45M              | 19.04M             | 21.3M               | 18.981M            |
| 5300MHz                           | Pass   | Inf           | 21.6M               | 19.1M              | 21.57M              | 19.07M             | 21.33M              | 19.07M             | 21.36M              | 18.981M            |
| 5320MHz                           | Pass   | Inf           | 21.54M              | 19.1M              | 21.42M              | 19.04M             | 21.45M              | 19.04M             | 21.33M              | 19.01M             |
| 5500MHz                           | Pass   | Inf           | 21.51M              | 19.1M              | 21.57M              | 19.07M             | 21.39M              | 19.04M             | 21.45M              | 18.981M            |
| 5580MHz                           | Pass   | Inf           | 21.6M               | 19.1M              | 21.63M              | 19.04M             | 21.27M              | 19.04M             | 21.36M              | 19.01M             |
| 5700MHz                           | Pass   | Inf           | 21.63M              | 19.07M             | 21.48M              | 19.04M             | 21.42M              | 19.04M             | 21.48M              | 19.01M             |
| 5720MHz Straddle 5.47-5.725GHz    | Pass   | Inf           | 15.75M              | 14.5M              | 15.715M             | 14.535M            | 15.645M             | 14.483M            | 15.768M             | 14.5M              |

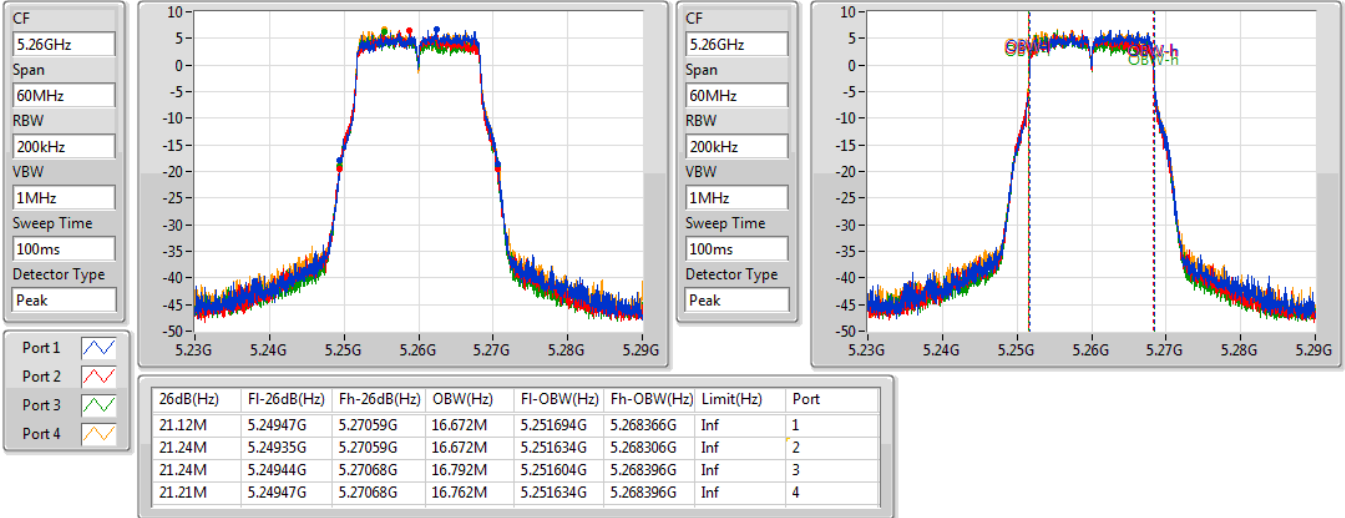
| Mode                               | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) | Port 2-N dB<br>(Hz) | Port 2-OBW<br>(Hz) | Port 3-N dB<br>(Hz) | Port 3-OBW<br>(Hz) | Port 4-N dB<br>(Hz) | Port 4-OBW<br>(Hz) |
|------------------------------------|--------|---------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| 5720MHz Straddle 5.725-5.85GHz     | Pass   | 500k          | 4.515M              | 4.753M             | 4.455M              | 4.678M             | 4.515M              | 4.693M             | 4.425M              | 4.648M             |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5270MHz                            | Pass   | Inf           | 39.96M              | 37.541M            | 40.08M              | 37.541M            | 39.9M               | 37.481M            | 40.26M              | 37.541M            |
| 5310MHz                            | Pass   | Inf           | 39.78M              | 37.541M            | 39.96M              | 37.481M            | 39.9M               | 37.541M            | 39.96M              | 37.601M            |
| 5510MHz                            | Pass   | Inf           | 40.08M              | 37.541M            | 40.02M              | 37.601M            | 39.84M              | 37.541M            | 40.08M              | 37.541M            |
| 5550MHz                            | Pass   | Inf           | 40.08M              | 37.481M            | 40.02M              | 37.601M            | 39.84M              | 37.541M            | 40.14M              | 37.481M            |
| 5670MHz                            | Pass   | Inf           | 40.14M              | 37.481M            | 40.02M              | 37.541M            | 39.9M               | 37.541M            | 40.08M              | 37.541M            |
| 5710MHz Straddle 5.47-5.725GHz     | Pass   | Inf           | 35.063M             | 33.583M            | 35.063M             | 33.658M            | 34.913M             | 33.583M            | 35.138M             | 33.621M            |
| 5710MHz Straddle 5.725-5.85GHz     | Pass   | 500k          | 3.69M               | 4.078M             | 3.69M               | 4.063M             | 3.495M              | 4.078M             | 3.75M               | 4.063M             |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5290MHz                            | Pass   | Inf           | 81.96M              | 77.001M            | 81.96M              | 77.001M            | 82.2M               | 77.001M            | 82.32M              | 77.121M            |
| 5530MHz                            | Pass   | Inf           | 81.96M              | 77.121M            | 81.84M              | 77.001M            | 82.08M              | 77.001M            | 82.08M              | 77.121M            |
| 5610MHz                            | Pass   | Inf           | 81.96M              | 77.121M            | 81.96M              | 77.001M            | 82.32M              | 77.121M            | 81.84M              | 77.121M            |
| 5690MHz Straddle 5.47-5.725GHz     | Pass   | Inf           | 75.718M             | 73.123M            | 76.105M             | 73.046M            | 75.873M             | 73.123M            | 75.873M             | 73.046M            |
| 5690MHz Straddle 5.725-5.85GHz     | Pass   | 500k          | 3.75M               | 4.093M             | 3.285M              | 4.093M             | 3.795M              | 4.138M             | 3.75M               | 4.153M             |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | -      | -             | -                   | -                  | -                   | -                  | -                   | -                  | -                   | -                  |
| 5250MHz Straddle 5.15-5.25GHz      | Pass   | Inf           | 81.96M              | 77.961M            | 82.32M              | 77.361M            | 81.72M              | 77.721M            | 81.36M              | 77.481M            |
| 5250MHz Straddle 5.25-5.35GHz      | Pass   | Inf           | 82.8M               | 77.961M            | 82.32M              | 77.601M            | 82.44M              | 77.841M            | 82.56M              | 77.721M            |
| 5570MHz                            | Pass   | Inf           | 164.88M             | 155.202M           | 165.6M              | 155.442M           | 164.64M             | 154.963M           | 164.16M             | 155.442M           |

**Port X-N dB** = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

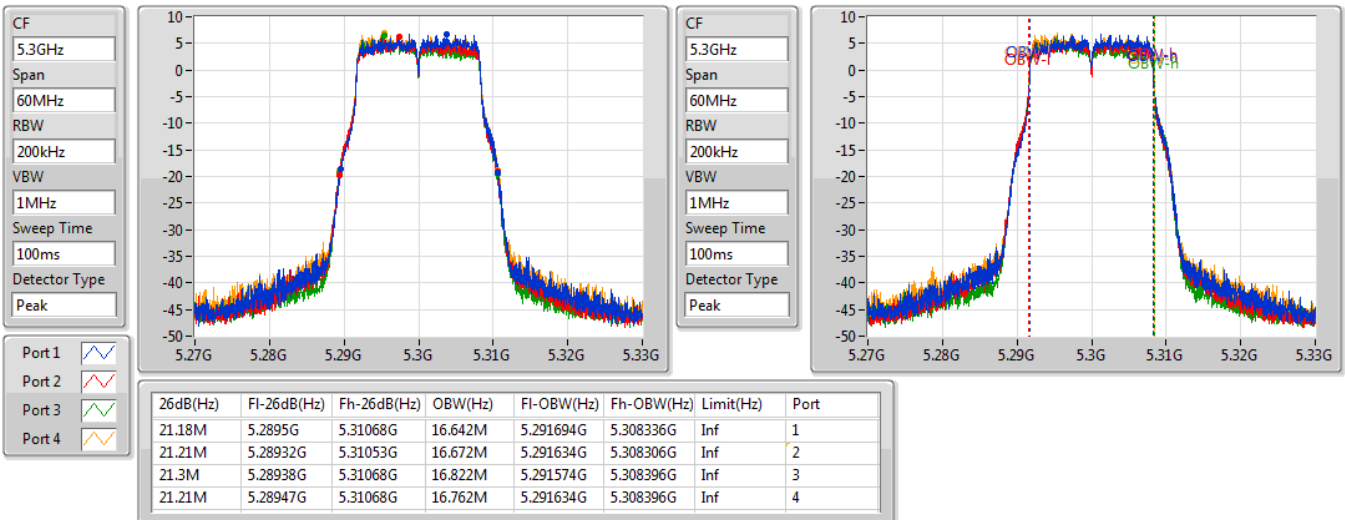
**Port X-OBW** = Port X 99% occupied bandwidth;

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

04/01/2020

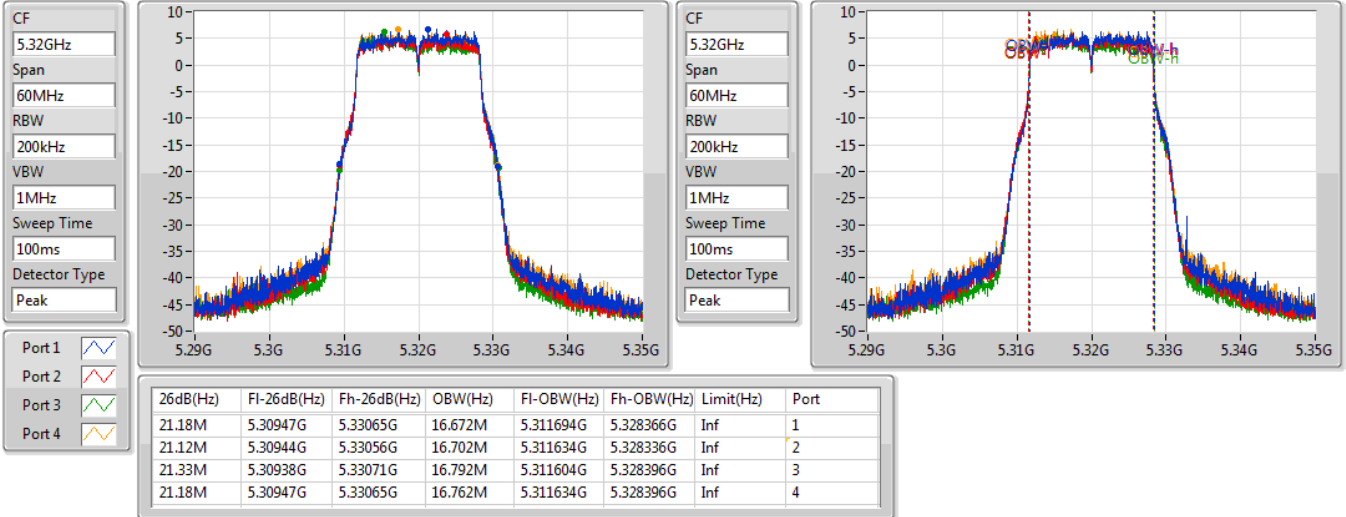

**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5300MHz**

04/01/2020

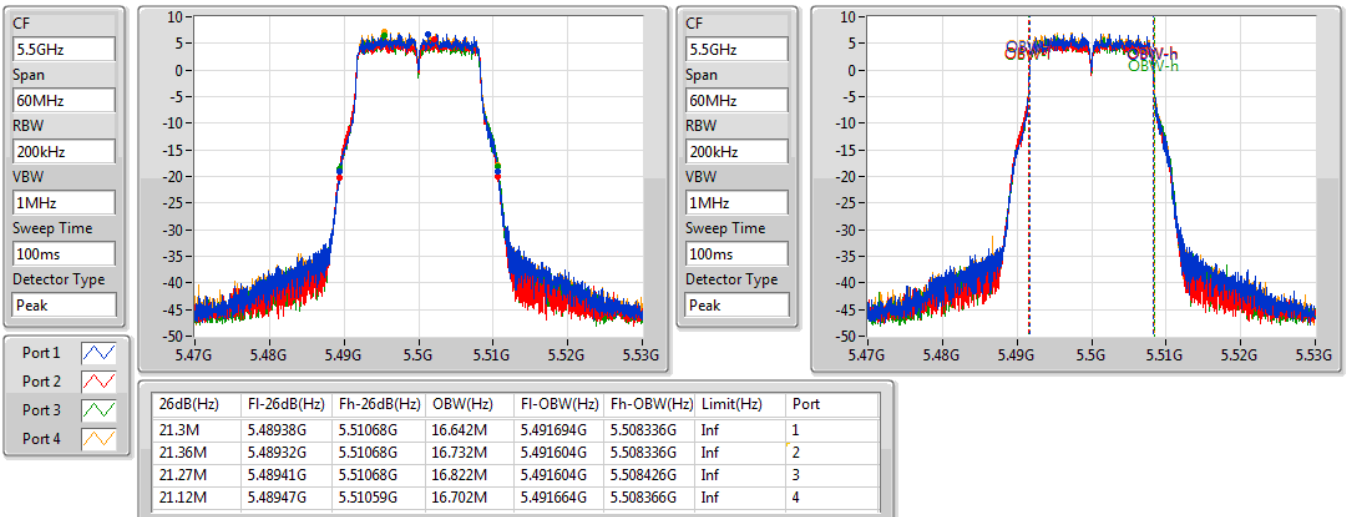


**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5320MHz**

04/01/2020

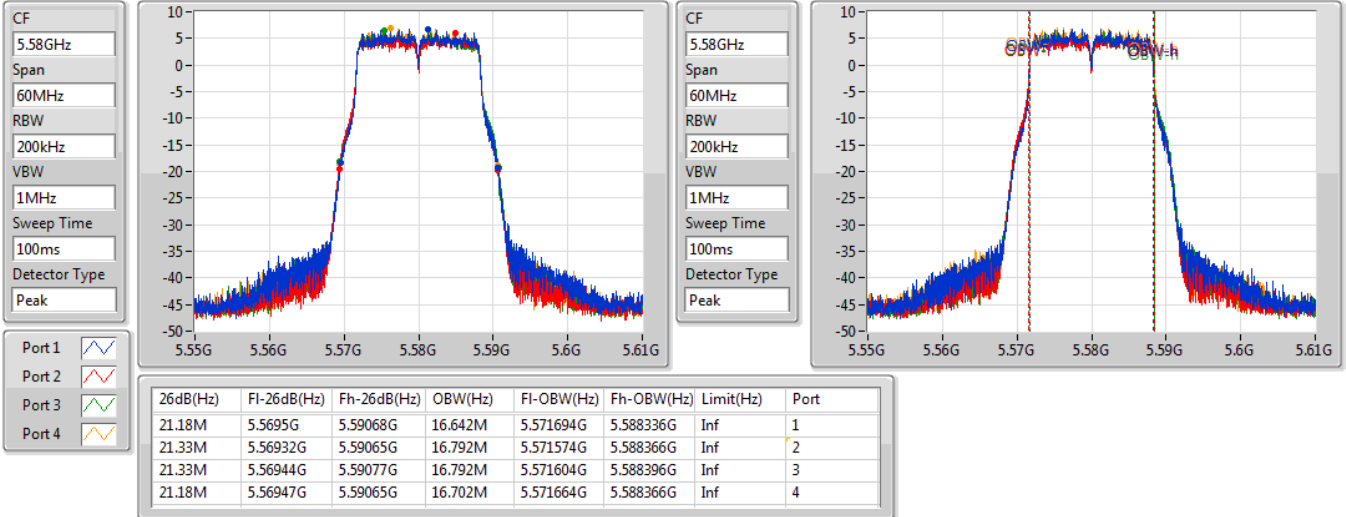

**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5500MHz**

04/01/2020

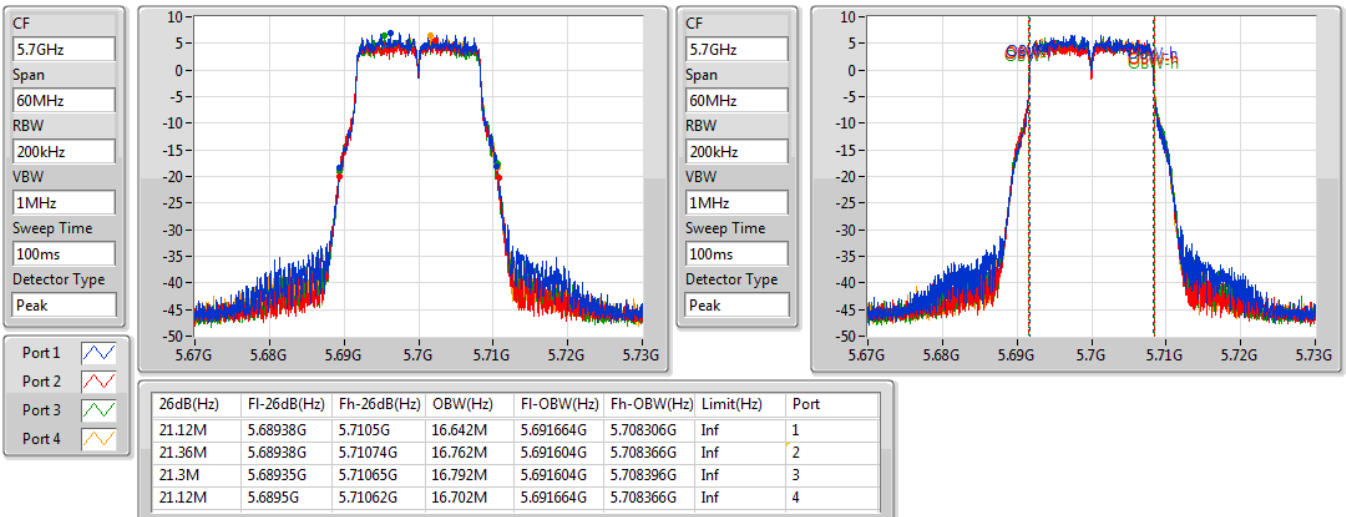


**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5580MHz**

04/01/2020

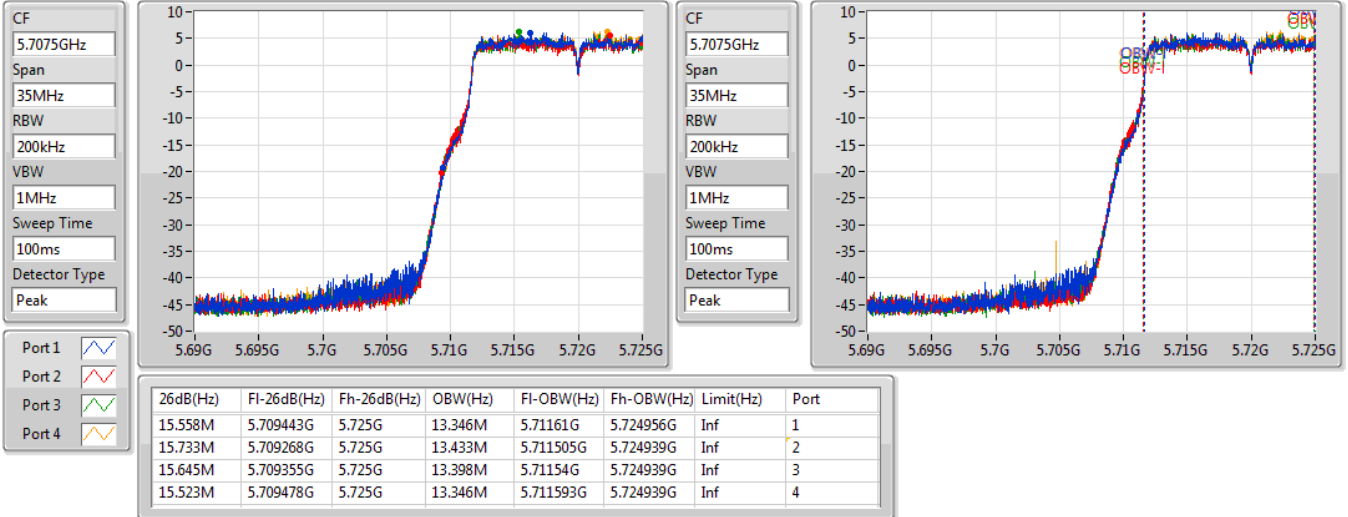

**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5700MHz**

04/01/2020

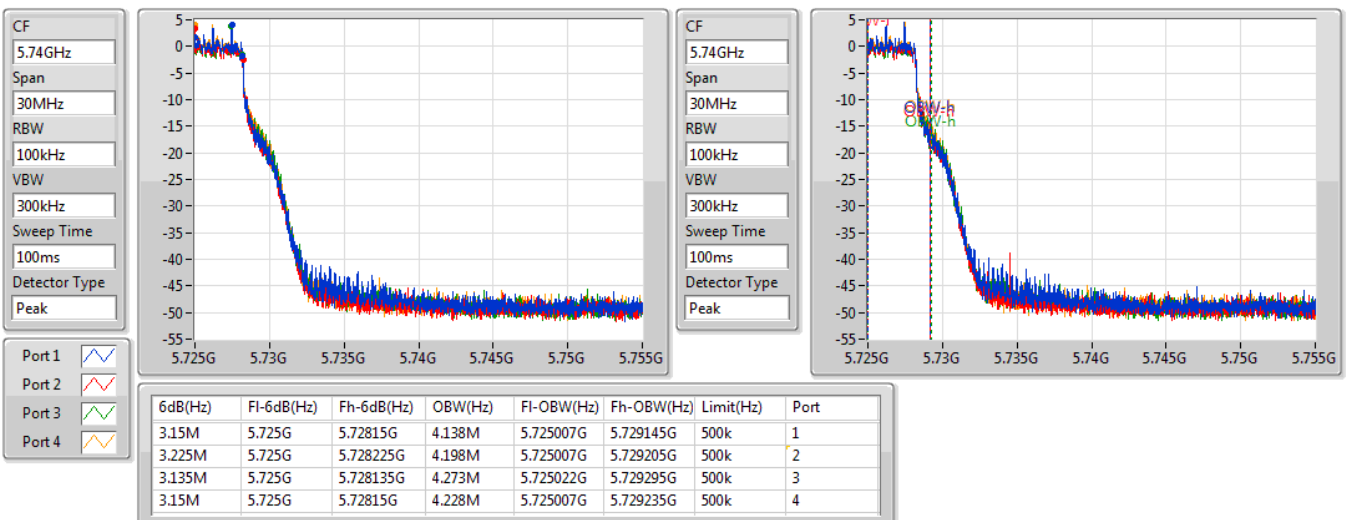


**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5720MHz Straddle 5.47-5.725GHz**

07/01/2020

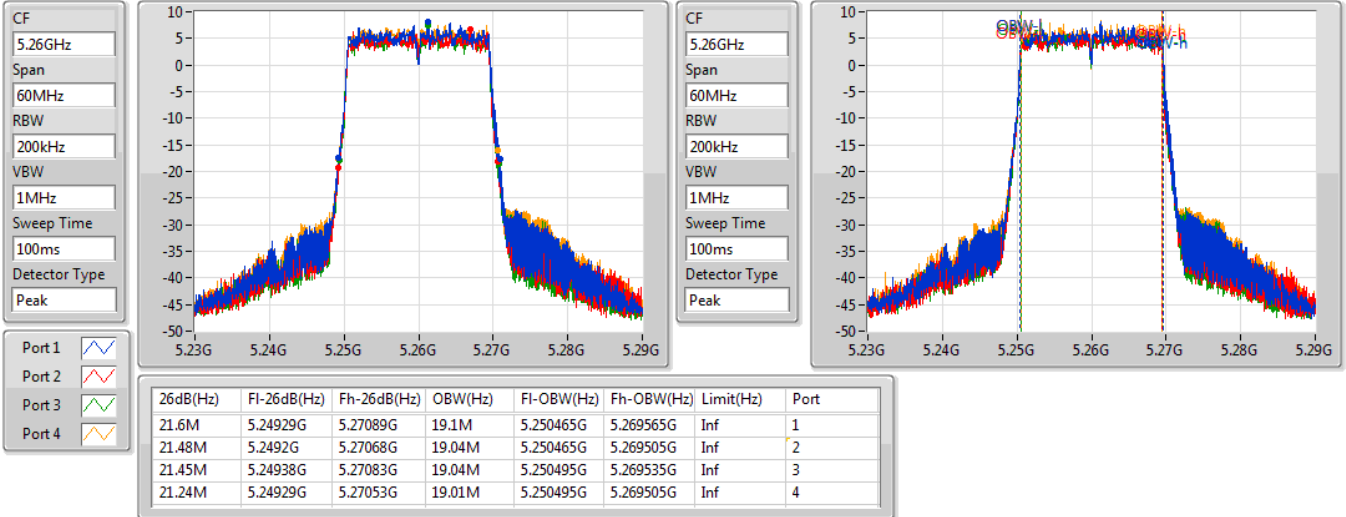

**802.11a\_Nss1,(6Mbps)\_4TX**
**EBW**
**5720MHz Straddle 5.725-5.85GHz**

07/01/2020

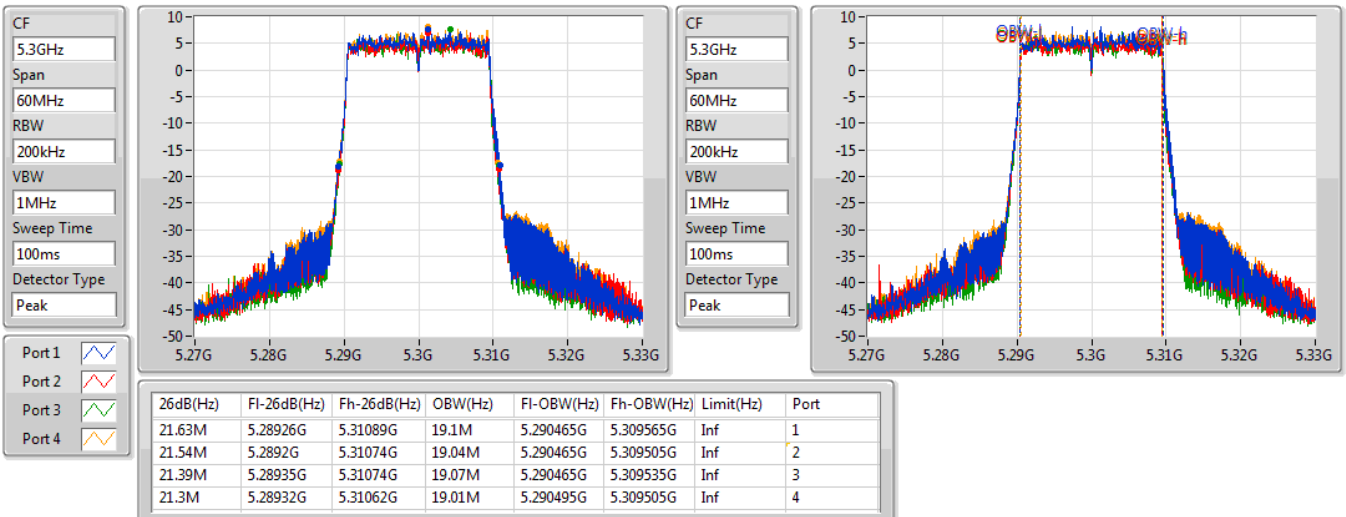


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5260MHz**

04/01/2020

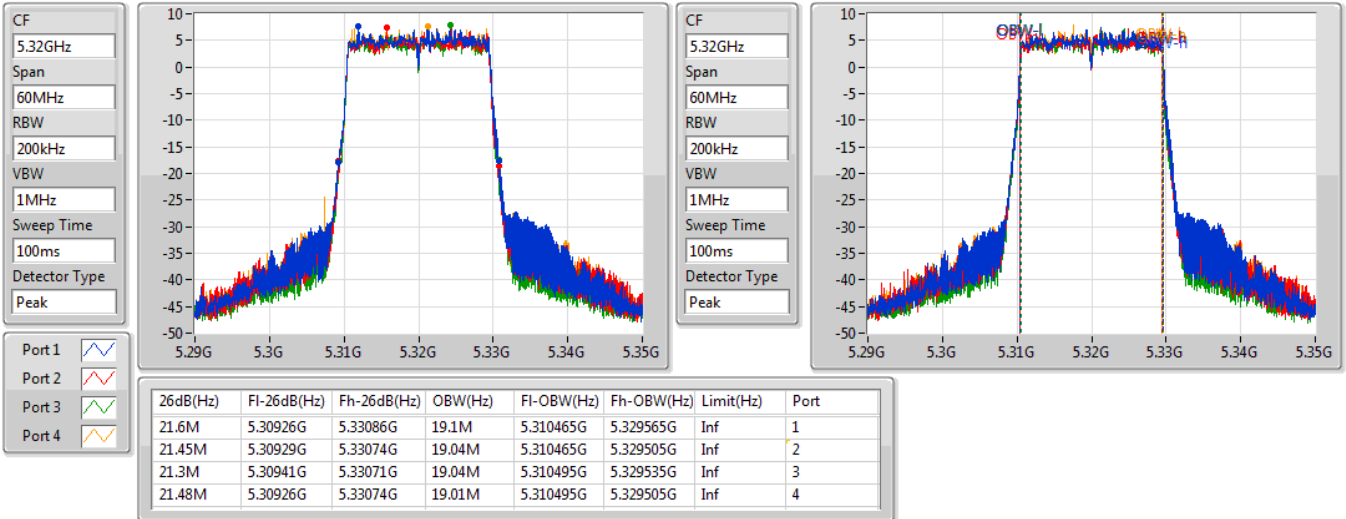

**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5300MHz**

04/01/2020

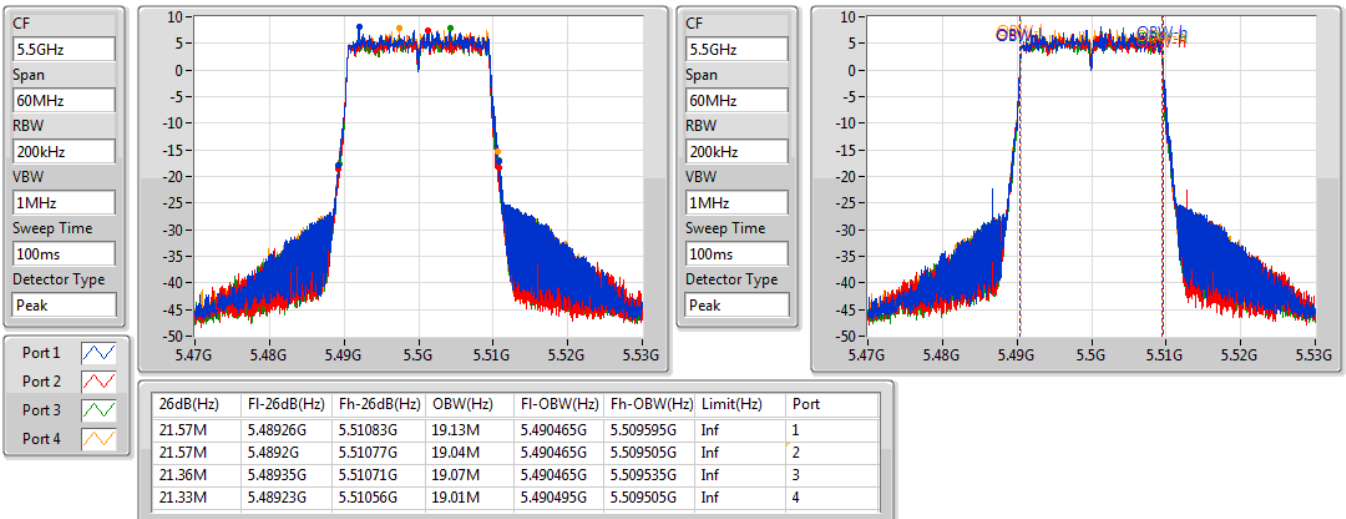


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5320MHz**

04/01/2020

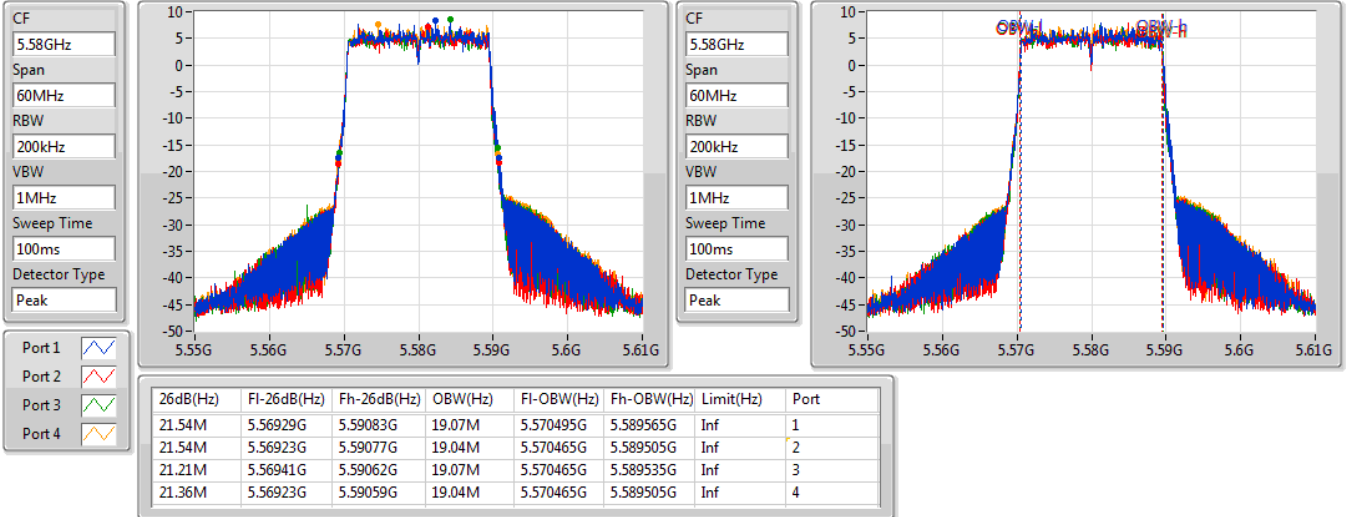

**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5500MHz**

04/01/2020

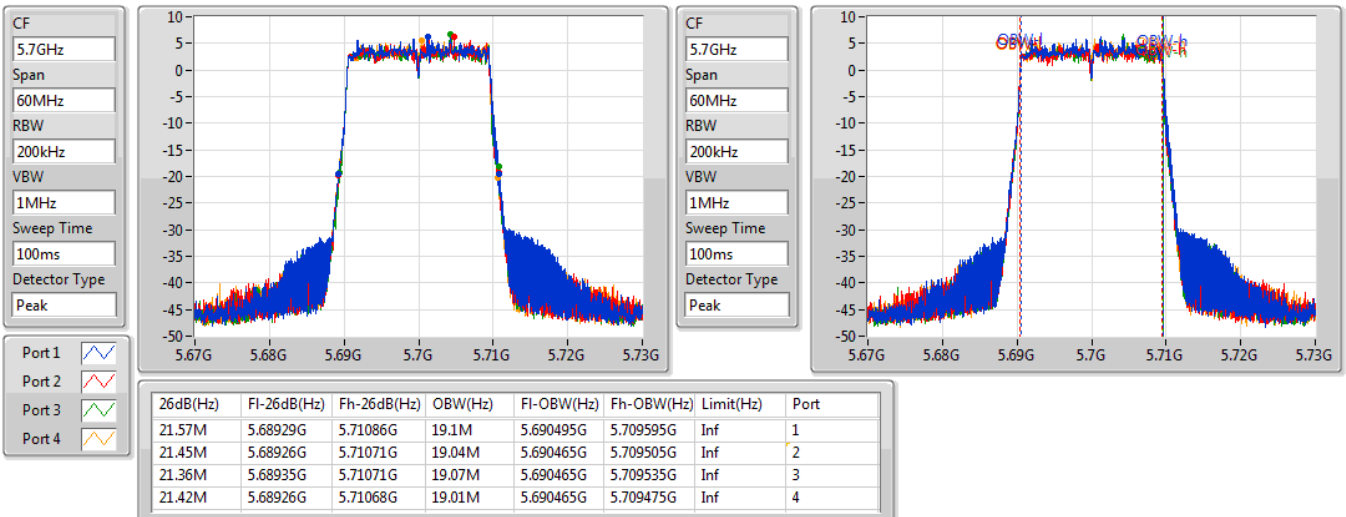


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5580MHz**

04/01/2020

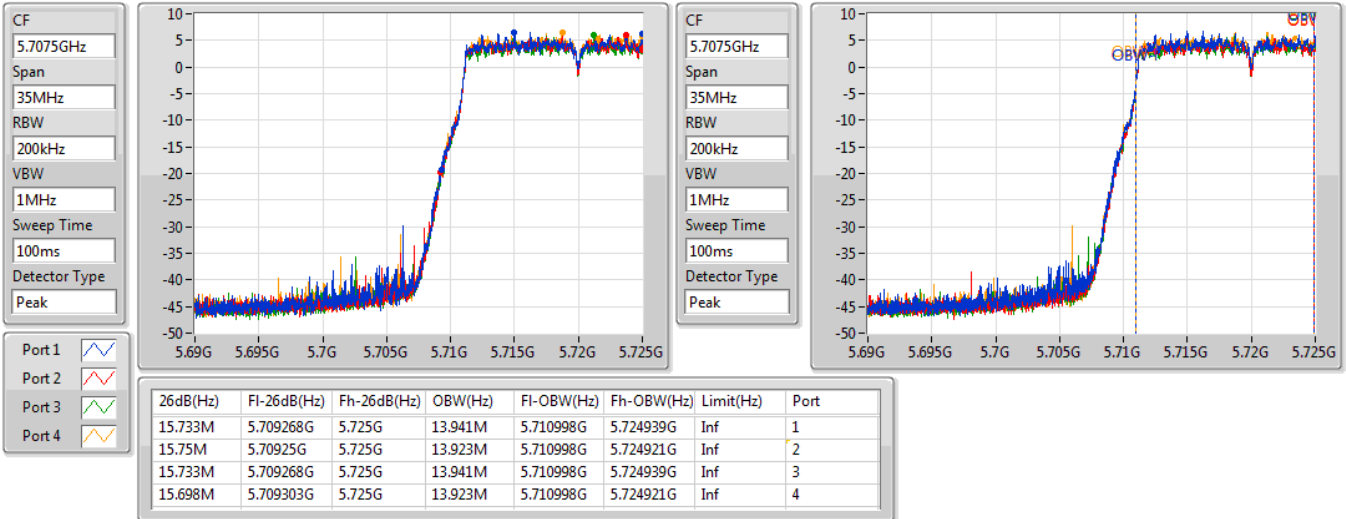

**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5700MHz**

04/01/2020

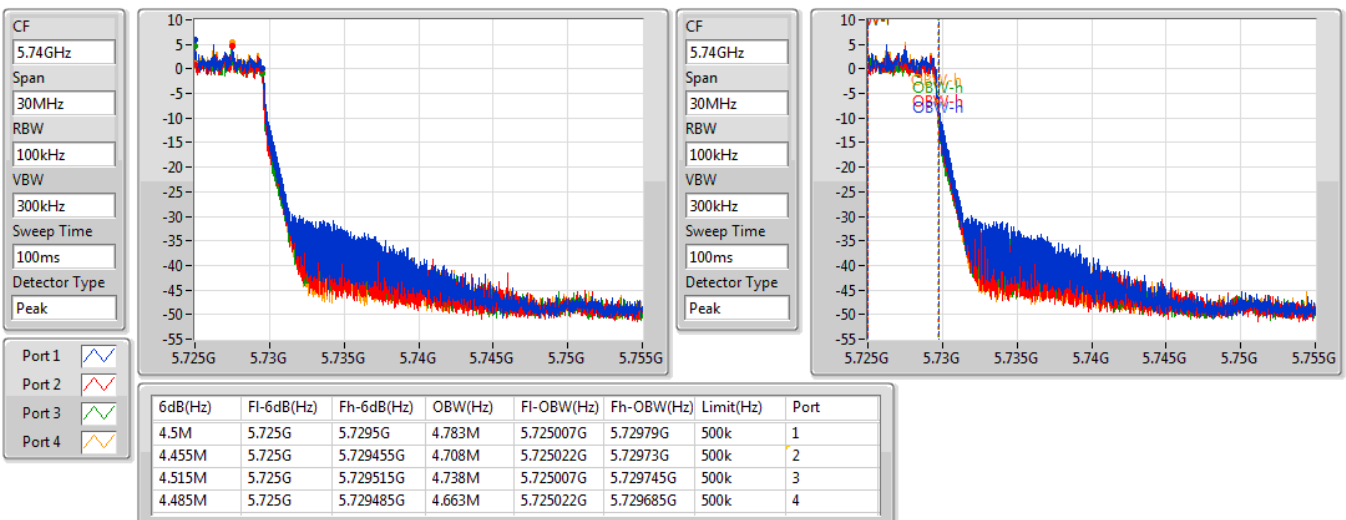


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5720MHz Straddle 5.47-5.725GHz**

07/01/2020

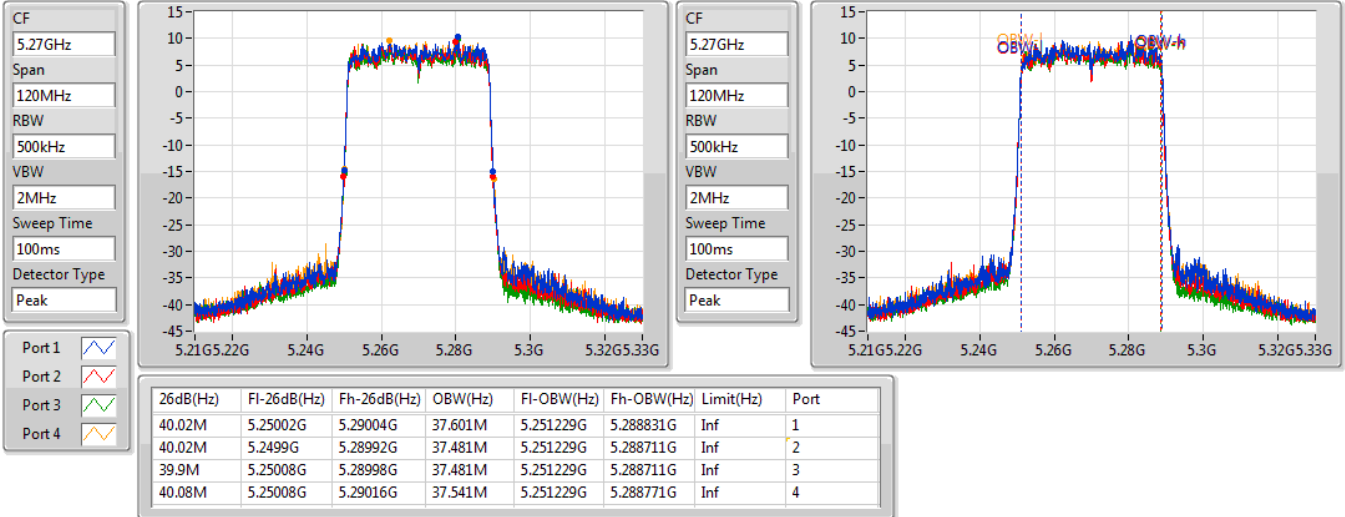

**802.11ax HEW20\_Nss1,(MCS0)\_4TX**
**EBW**
**5720MHz Straddle 5.725-5.85GHz**

07/01/2020

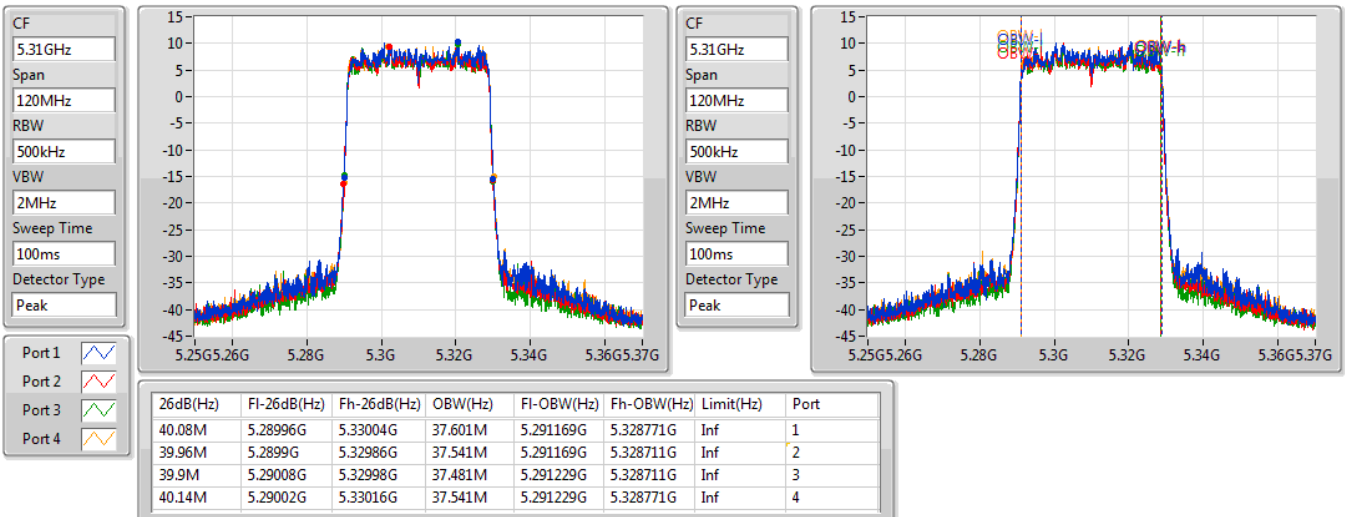


**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**5270MHz**

04/01/2020

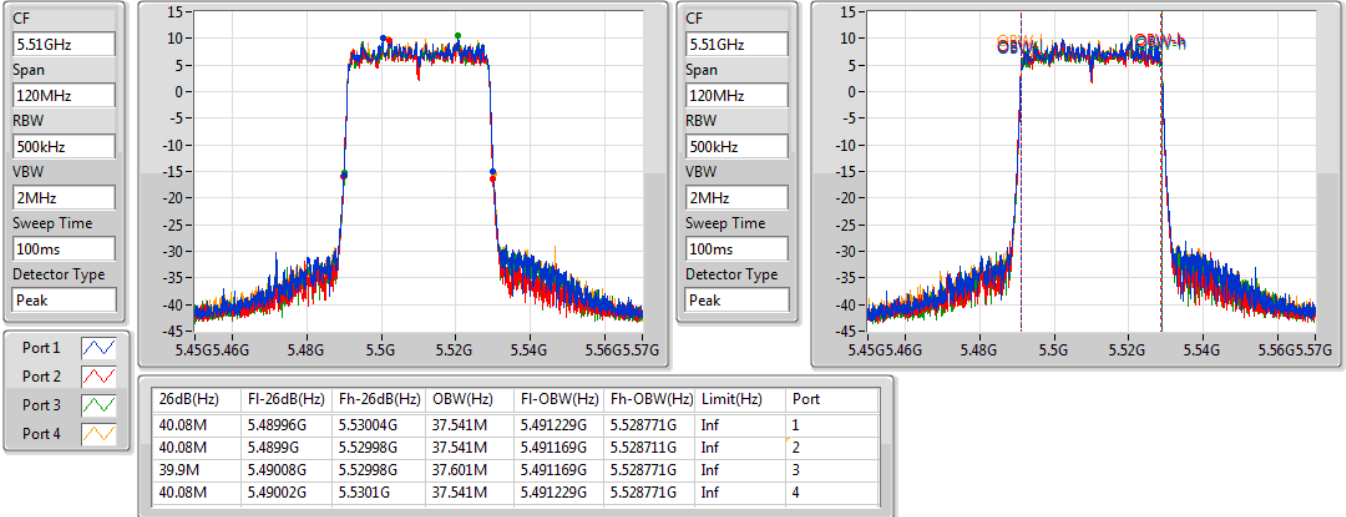

**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**5310MHz**

04/01/2020

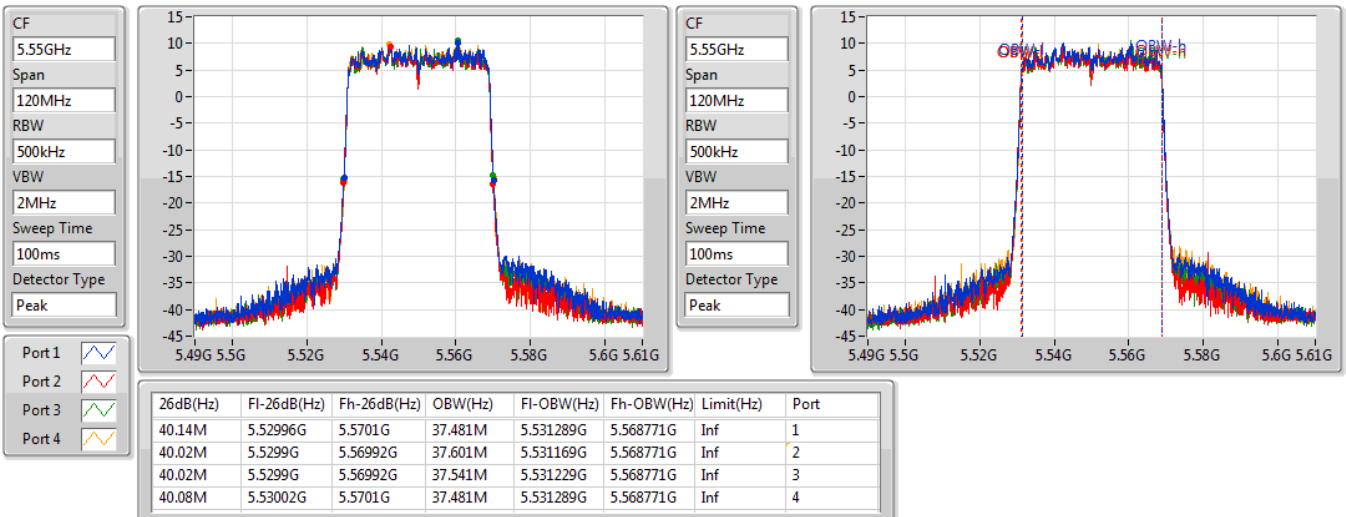


**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**5510MHz**

04/01/2020

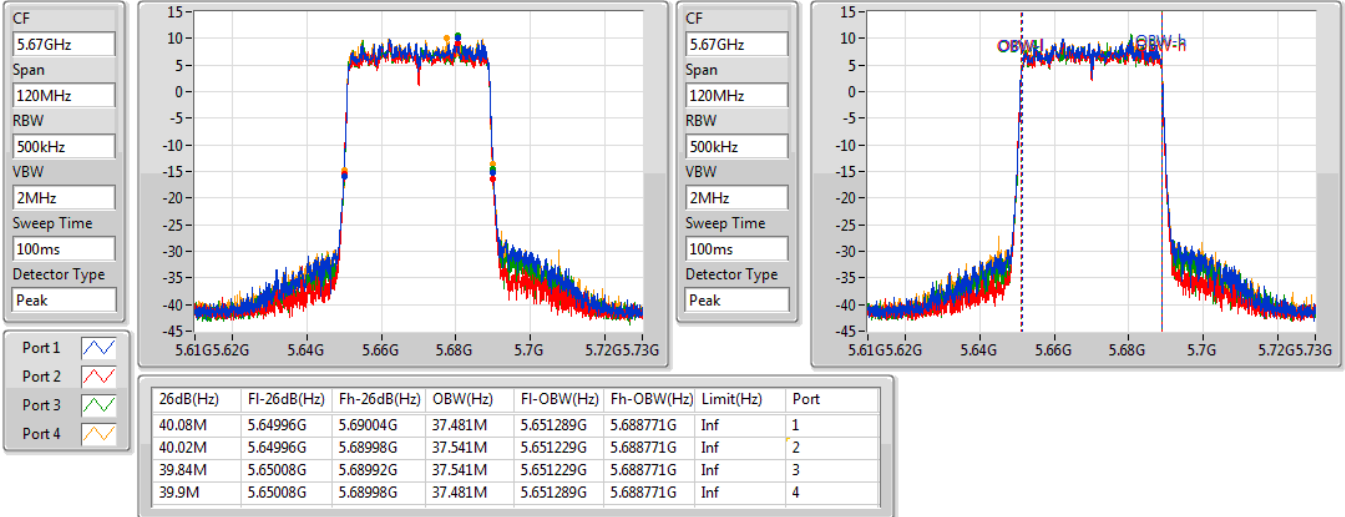

**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**5550MHz**

04/01/2020

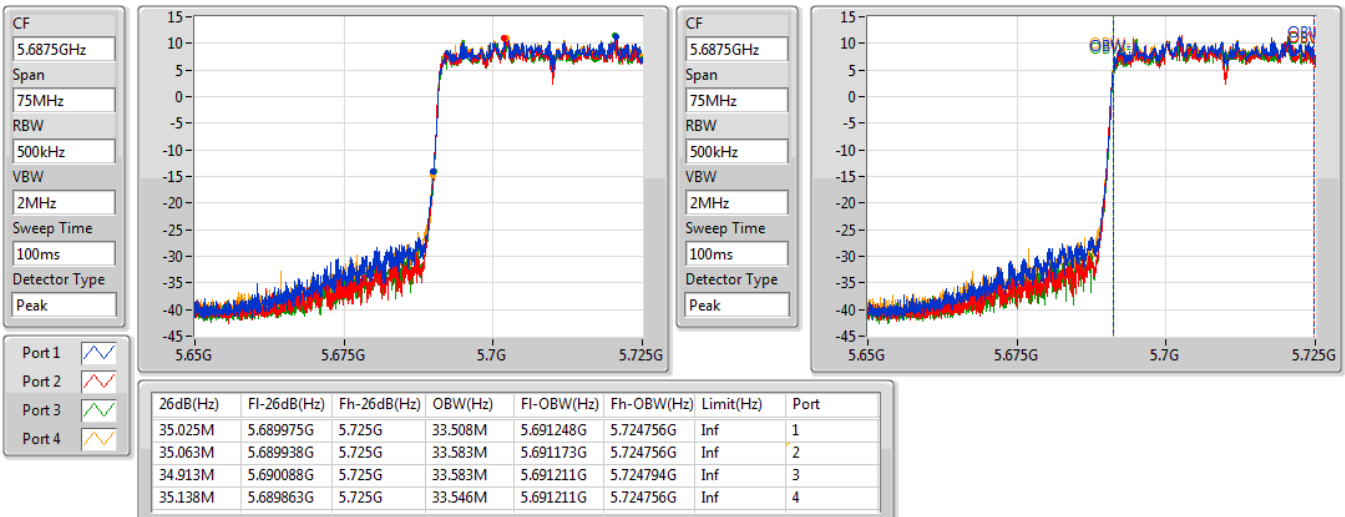


**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**5670MHz**

04/01/2020

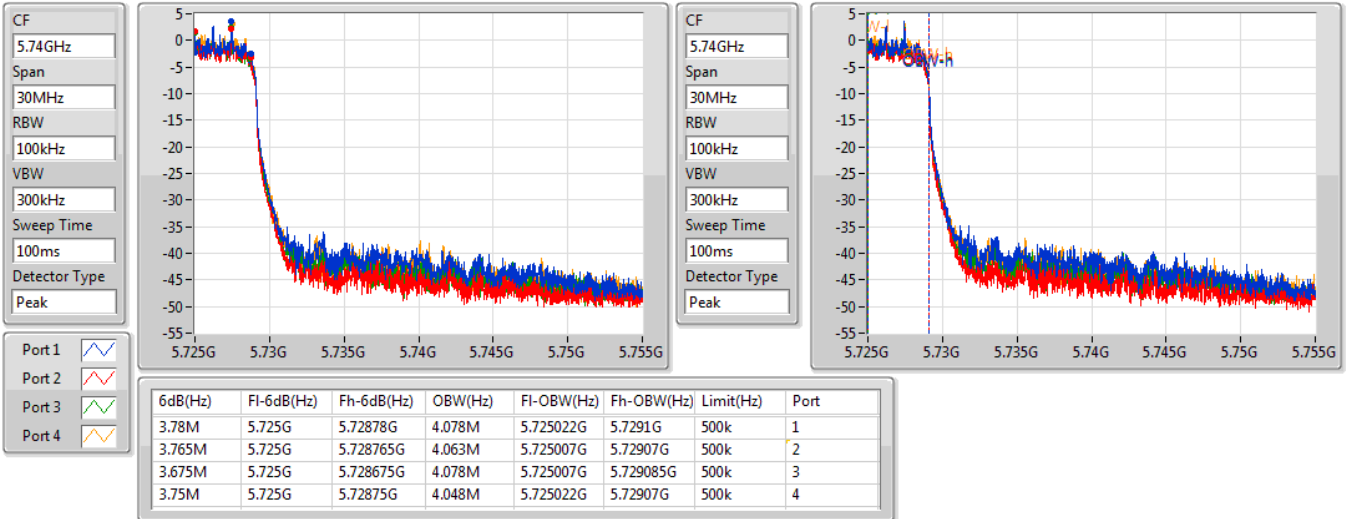

**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**5710MHz Straddle 5.47-5.725GHz**

07/01/2020

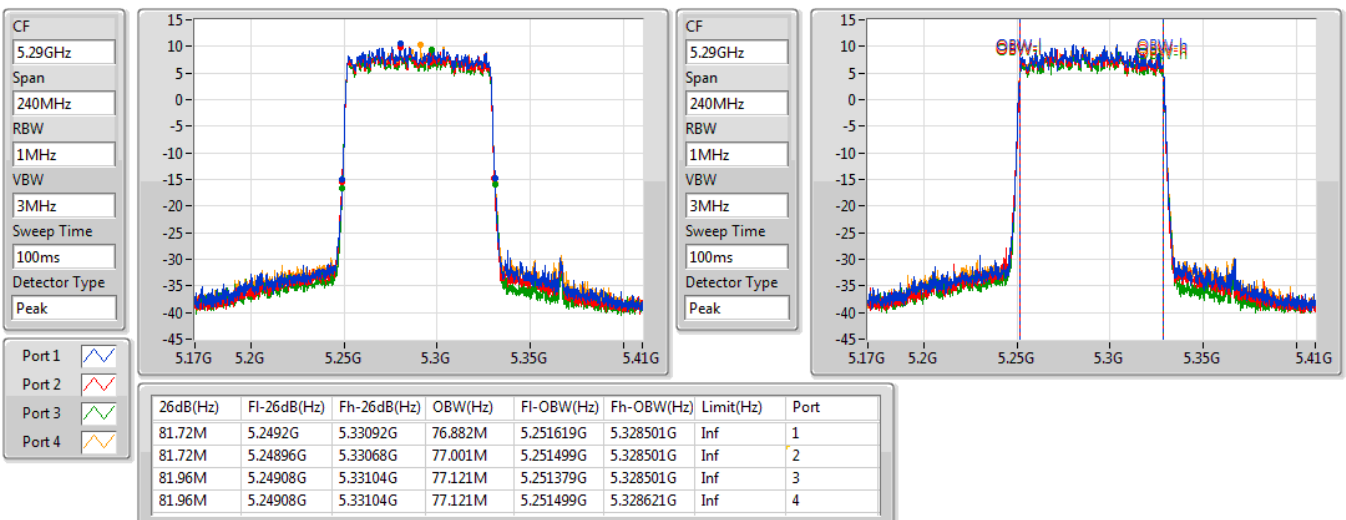


**802.11ax HEW40\_Nss1,(MCS0)\_4TX**
**EBW**
**5710MHz Straddle 5.725-5.85GHz**

07/01/2020

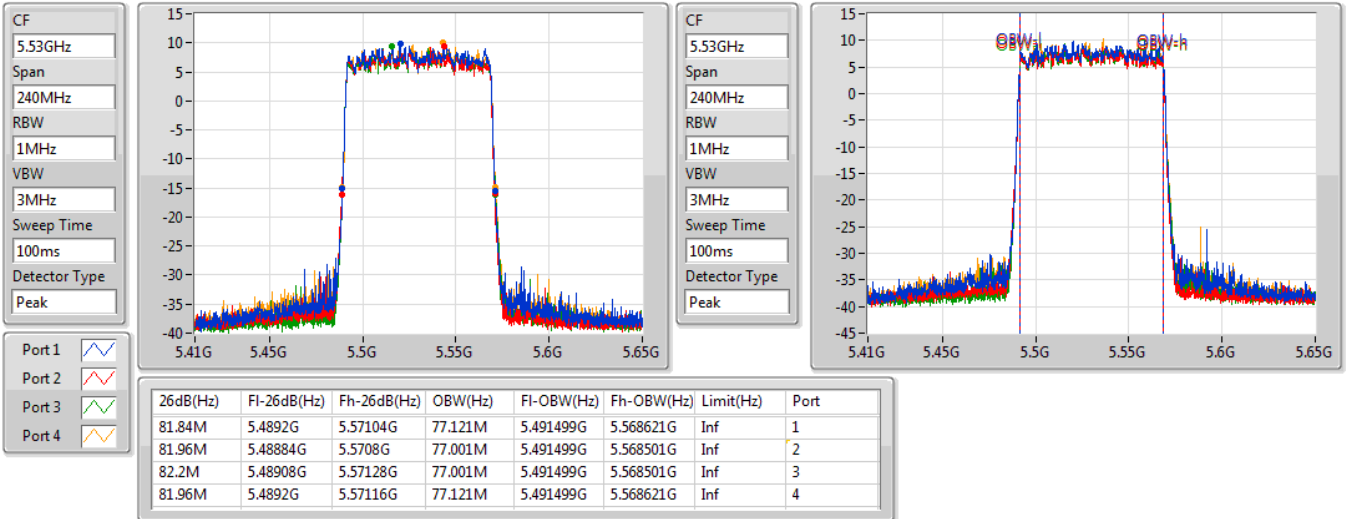

**802.11ax HEW80\_Nss1,(MCS0)\_4TX**
**EBW**
**5290MHz**

04/01/2020

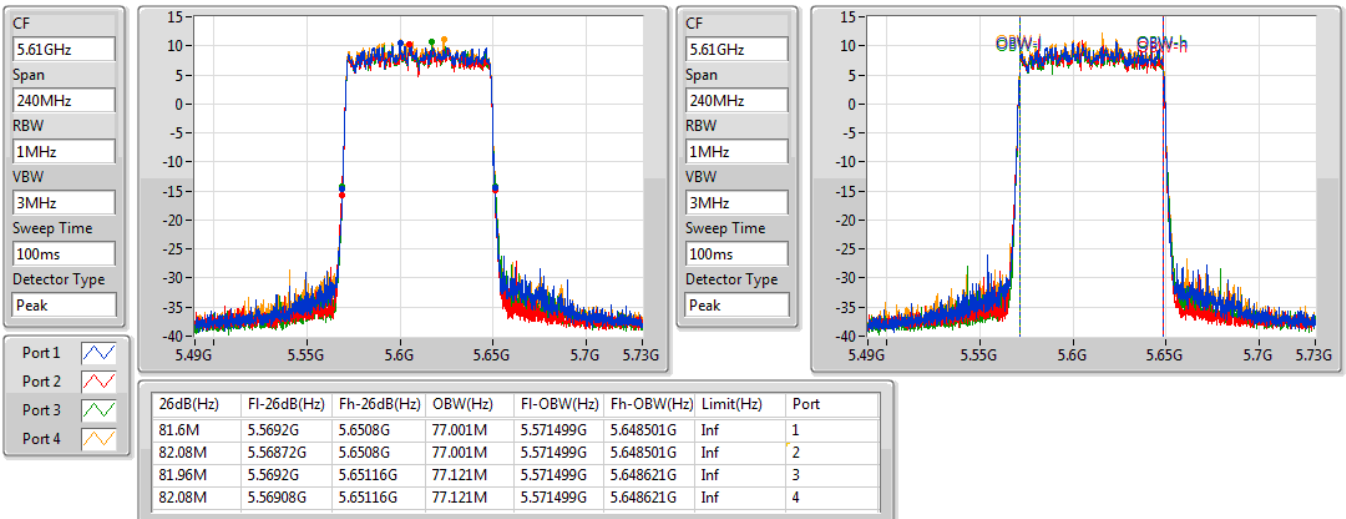


**802.11ax HEW80\_Nss1,(MCS0)\_4TX**
**EBW**
**5530MHz**

04/01/2020

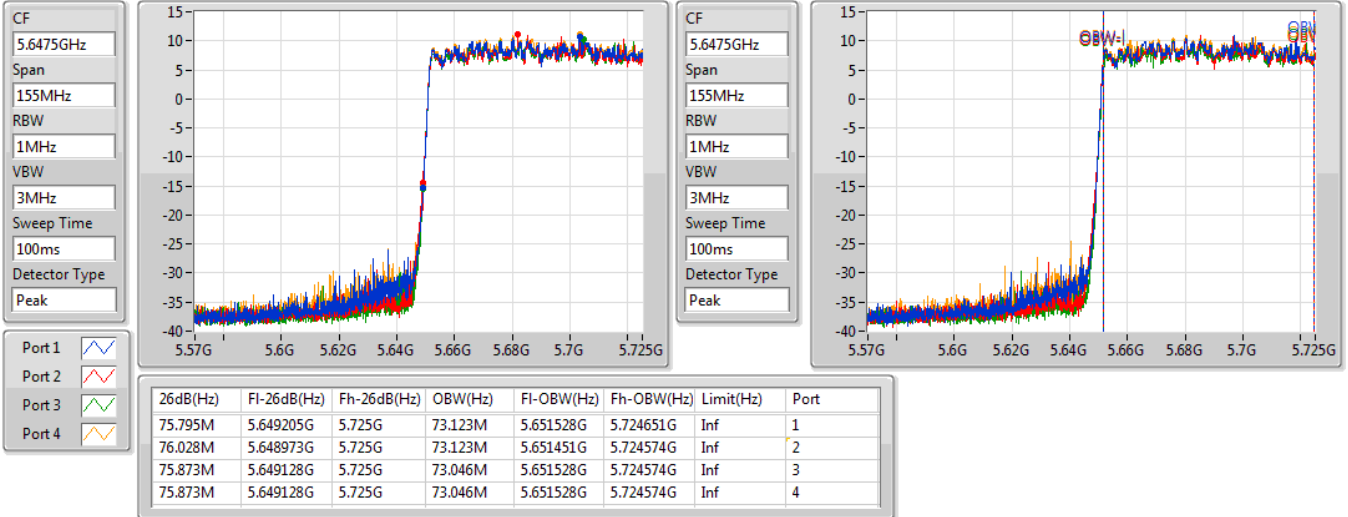

**802.11ax HEW80\_Nss1,(MCS0)\_4TX**
**EBW**
**5610MHz**

07/01/2020

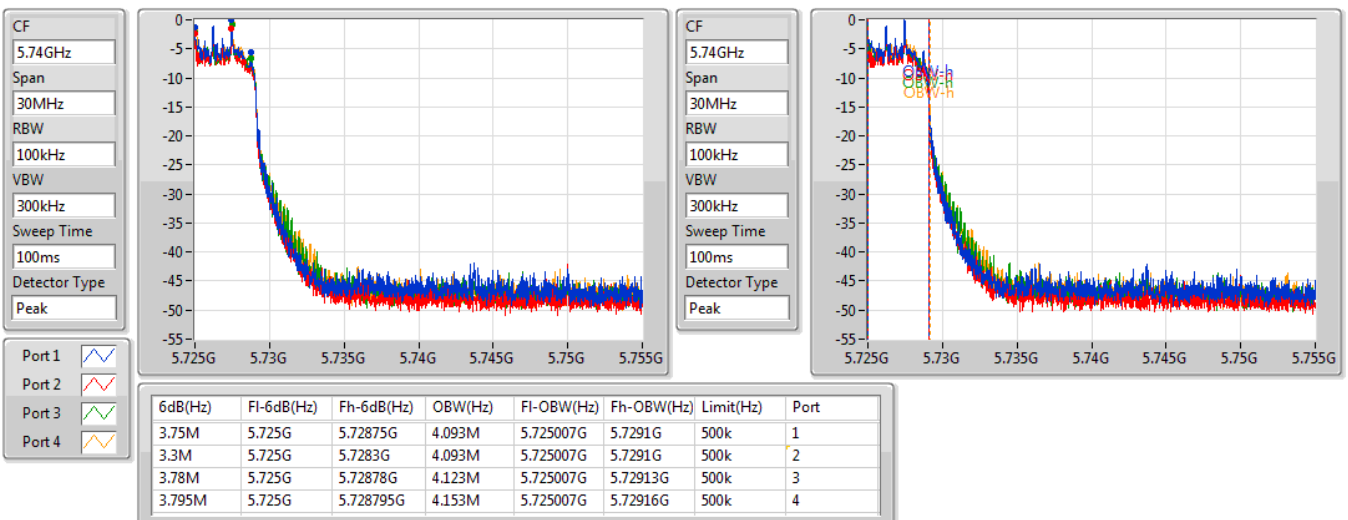


**802.11ax HEW80\_Nss1,(MCS0)\_4TX**
**EBW**
**5690MHz Straddle 5.47-5.725GHz**

07/01/2020

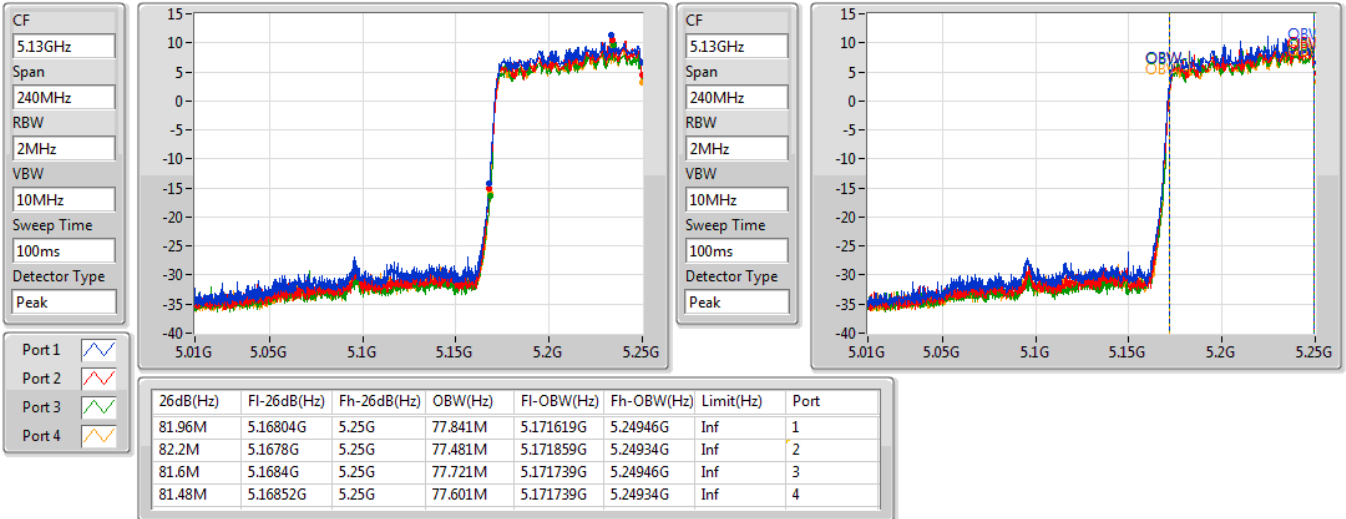

**802.11ax HEW80\_Nss1,(MCS0)\_4TX**
**EBW**
**5690MHz Straddle 5.725-5.85GHz**

07/01/2020

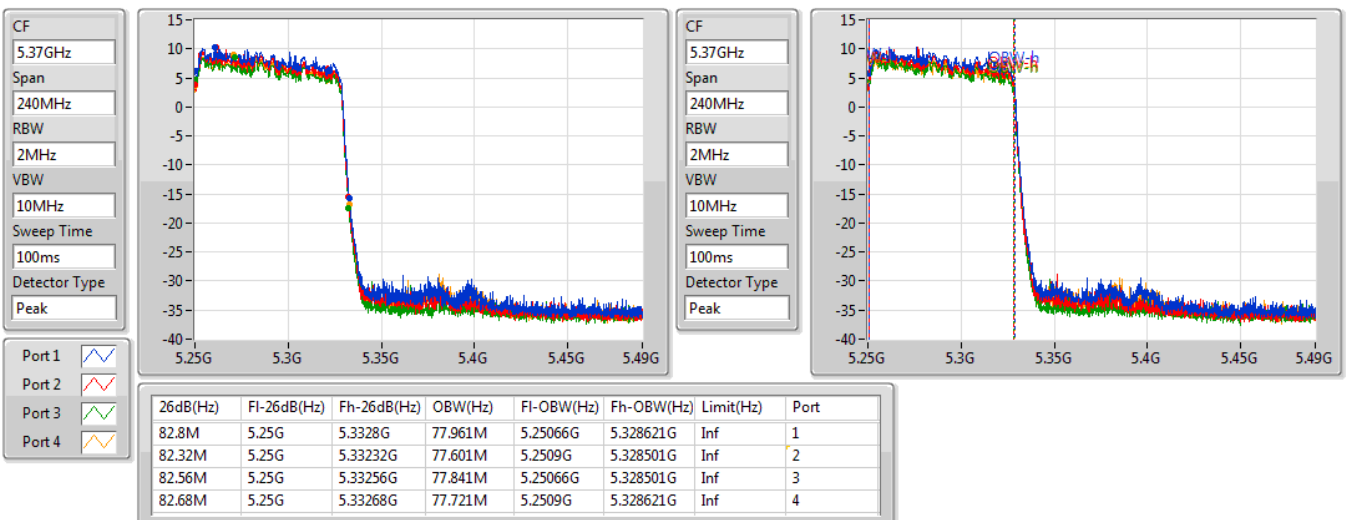


**802.11ax HEW160\_Nss1,(MCS0)\_4TX**
**EBW**
**5250MHz Straddle 5.15-5.25GHz**

07/01/2020

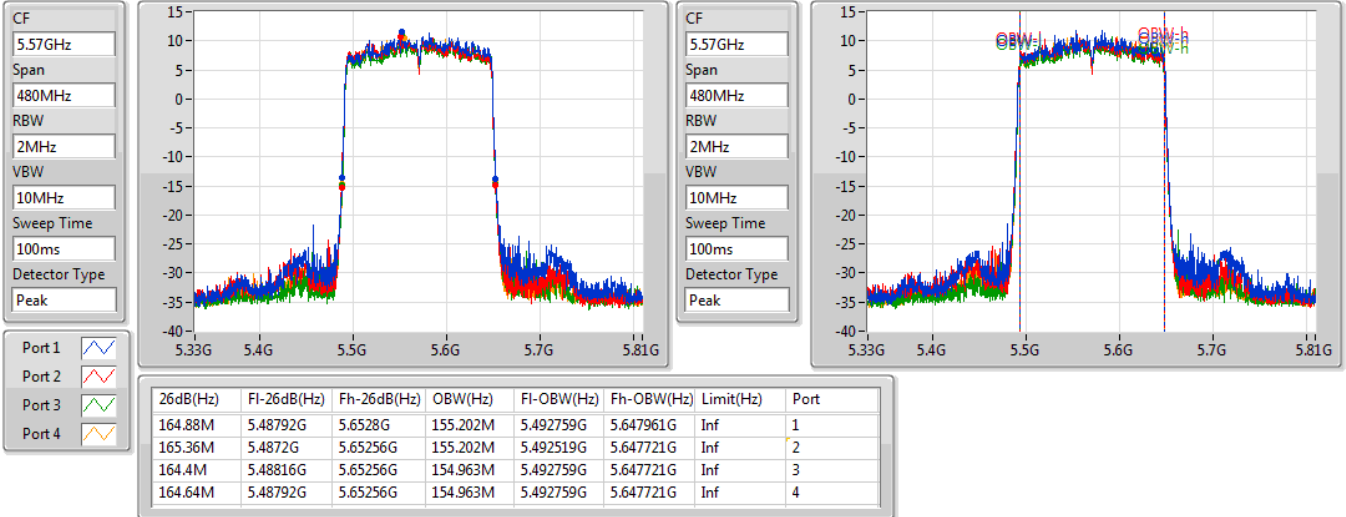

**802.11ax HEW160\_Nss1,(MCS0)\_4TX**
**EBW**
**5250MHz Straddle 5.25-5.35GHz**

07/01/2020

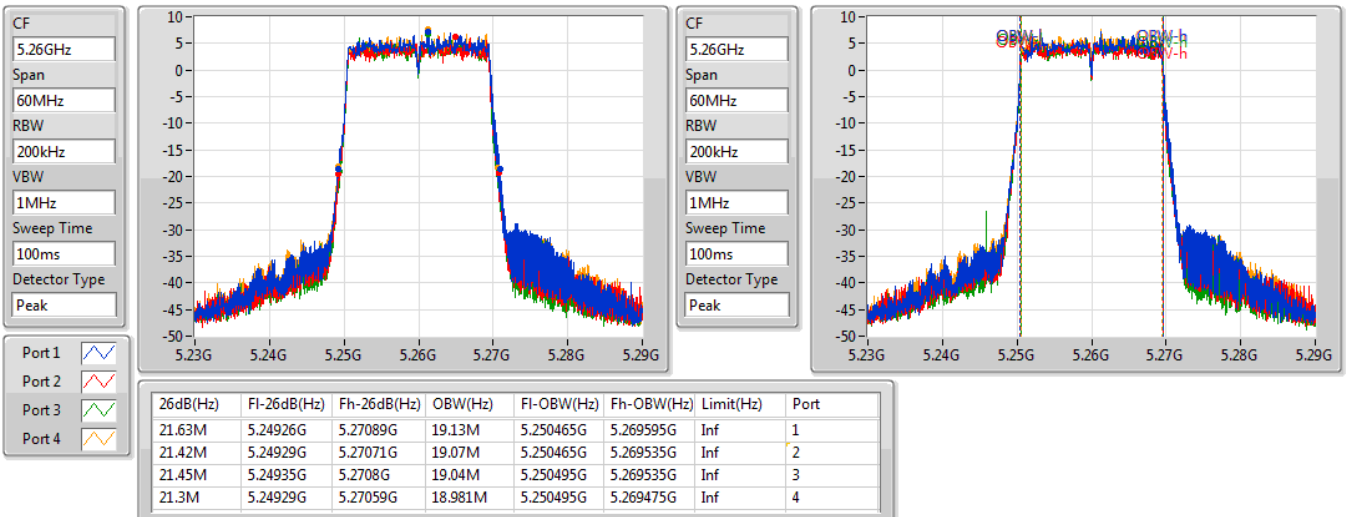


**802.11ax HEW160\_Nss1,(MCS0)\_4TX**
**EBW**
**5570MHz**

07/01/2020

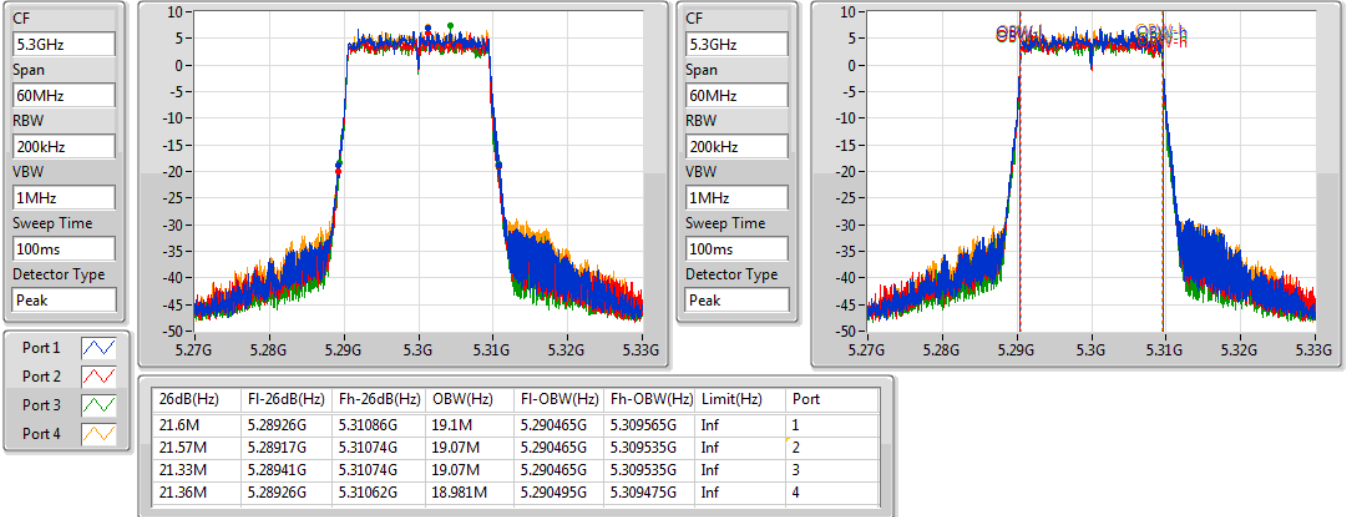

**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5260MHz**

04/01/2020

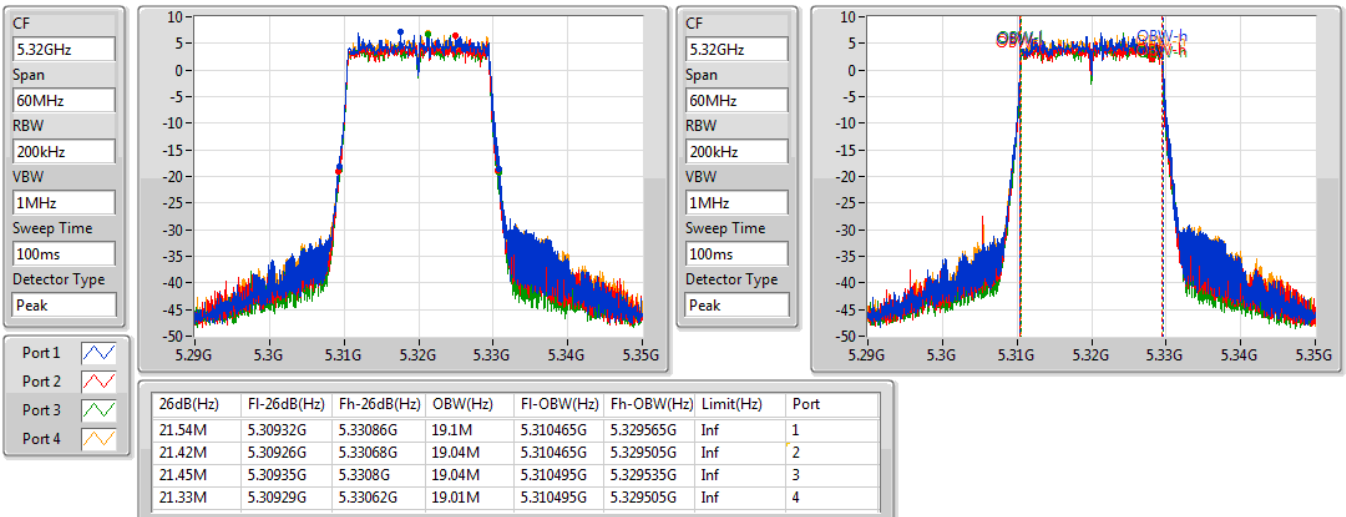


**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5300MHz**

04/01/2020

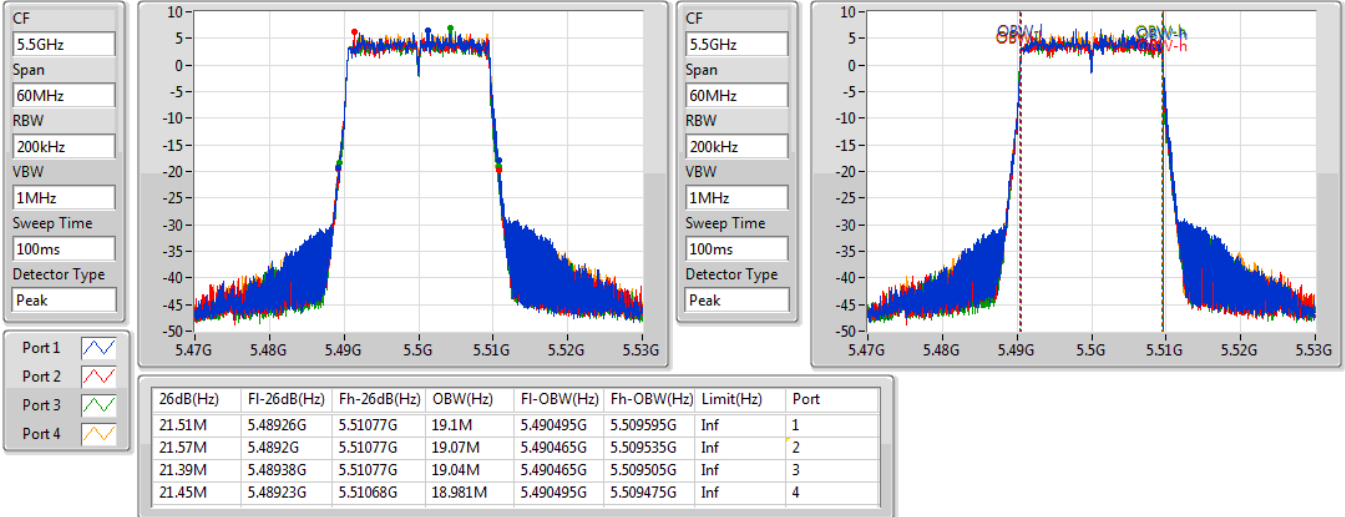

**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5320MHz**

04/01/2020

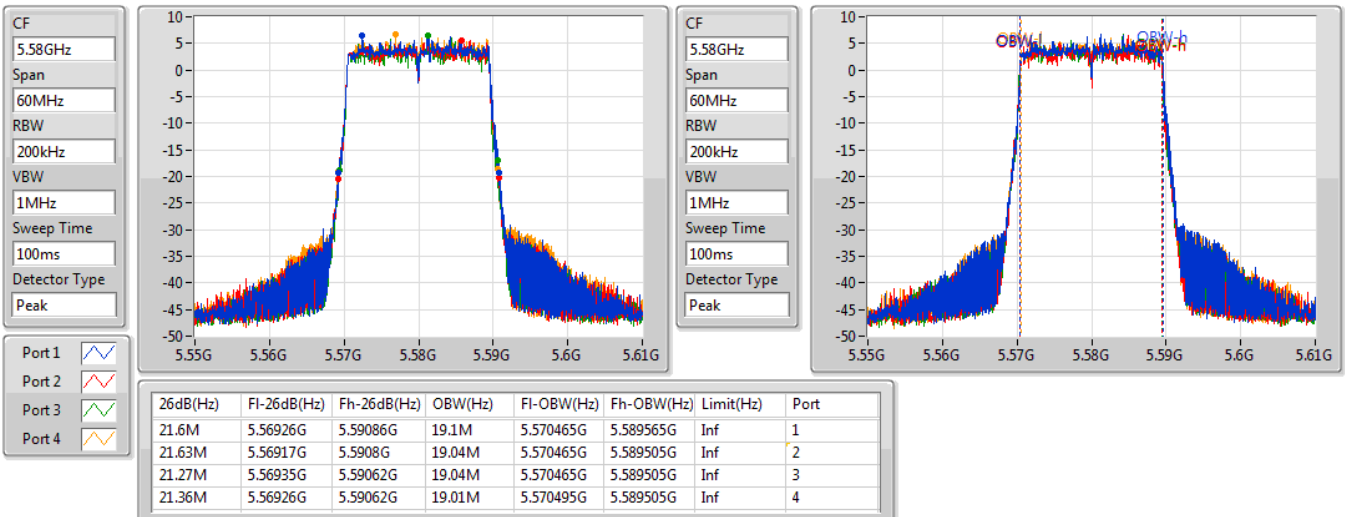


**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5500MHz**

04/01/2020

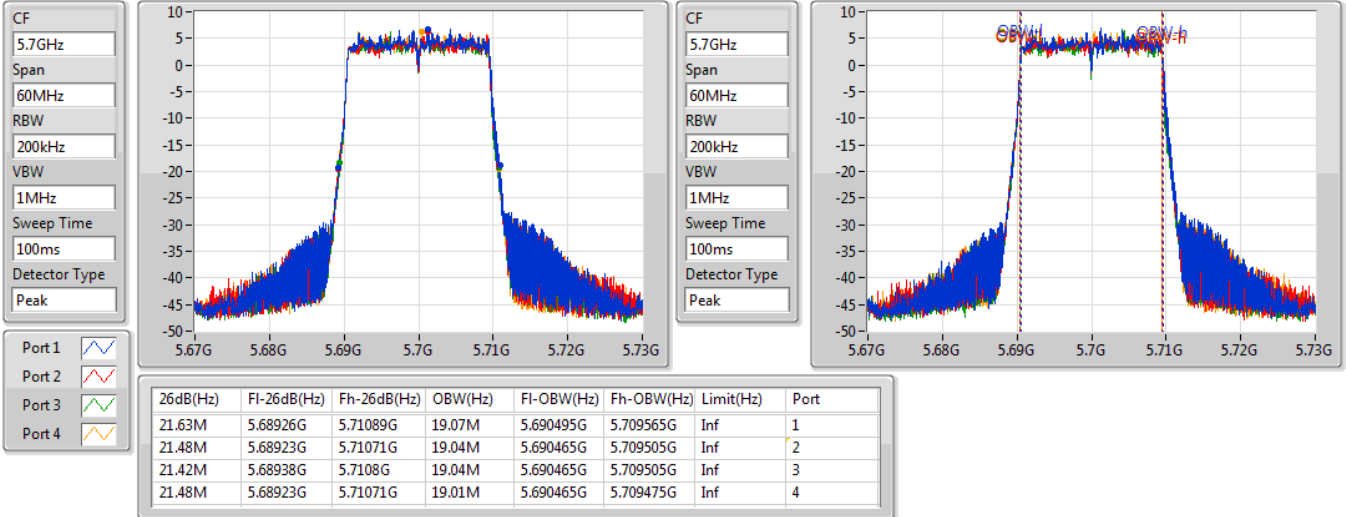

**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5580MHz**

04/01/2020

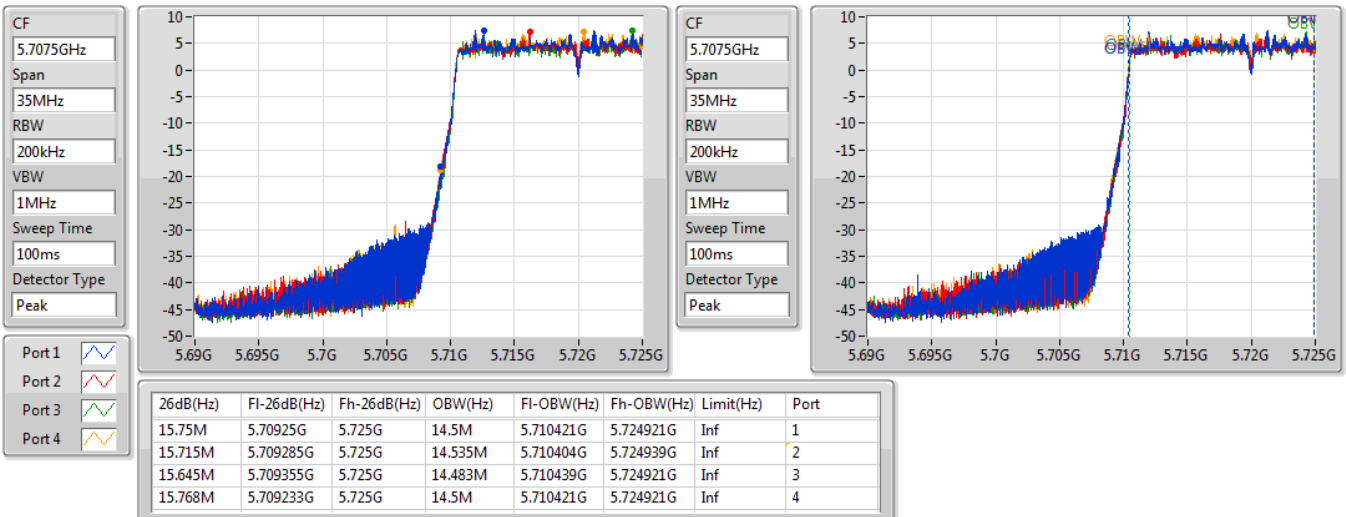


**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5700MHz**

04/01/2020

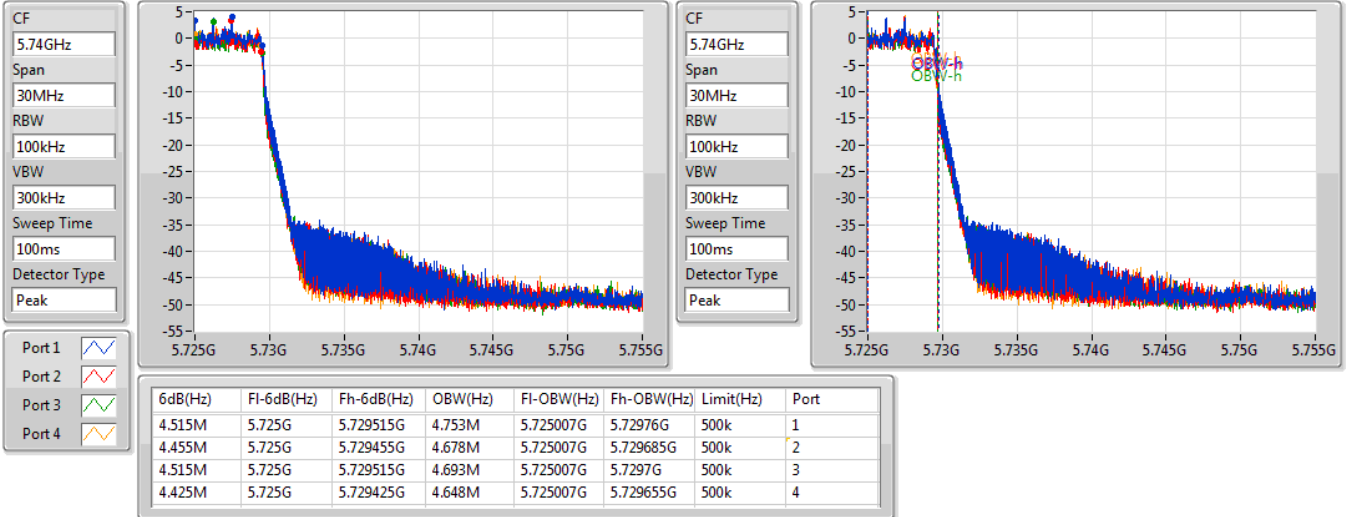

**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5720MHz Straddle 5.47-5.725GHz**

07/01/2020

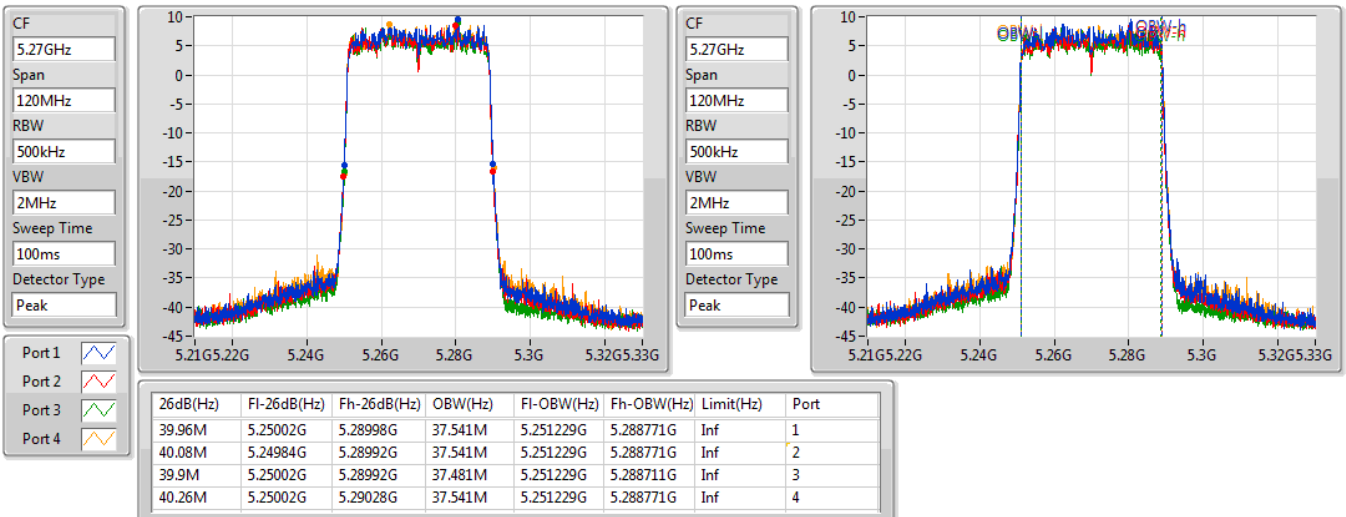


**802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5720MHz Straddle 5.725-5.85GHz**

07/01/2020

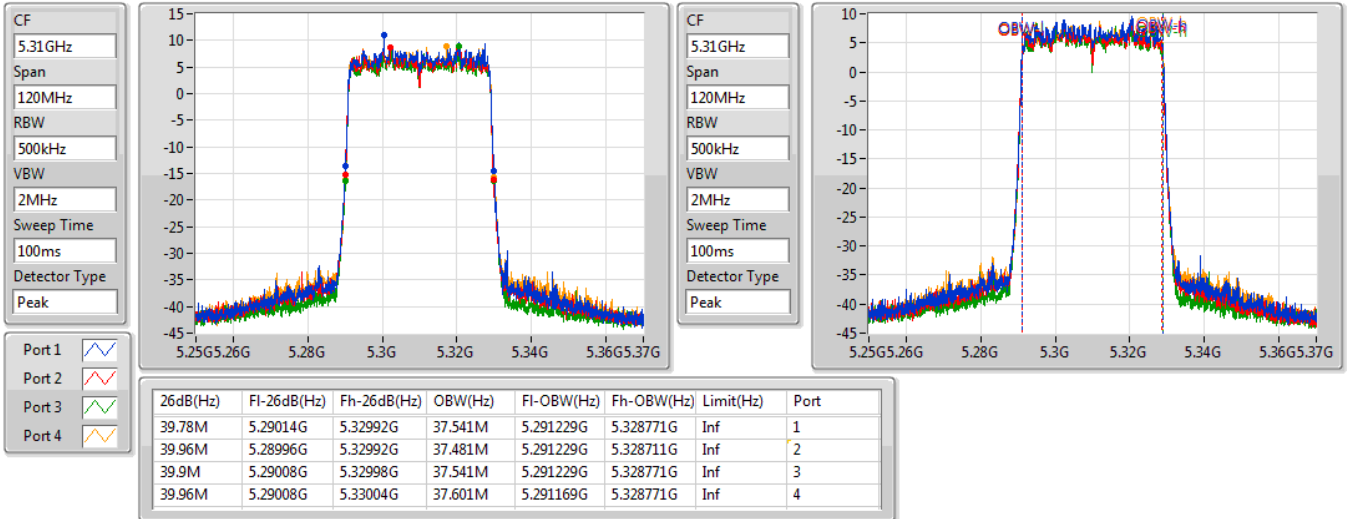

**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5270MHz**

04/01/2020

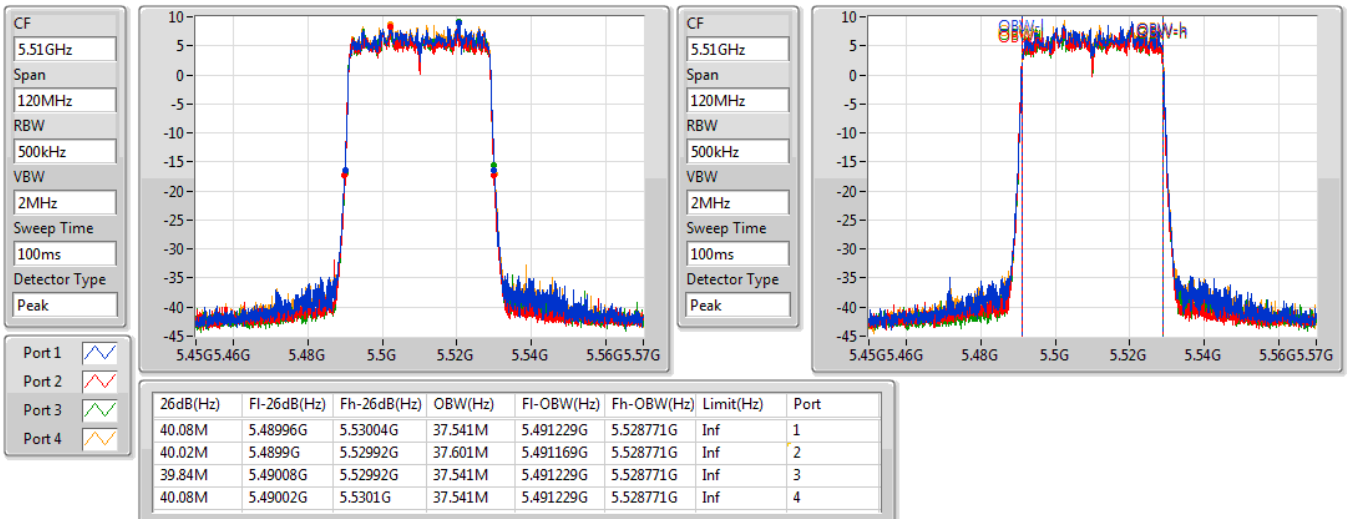


**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5310MHz**

04/01/2020


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

04/01/2020

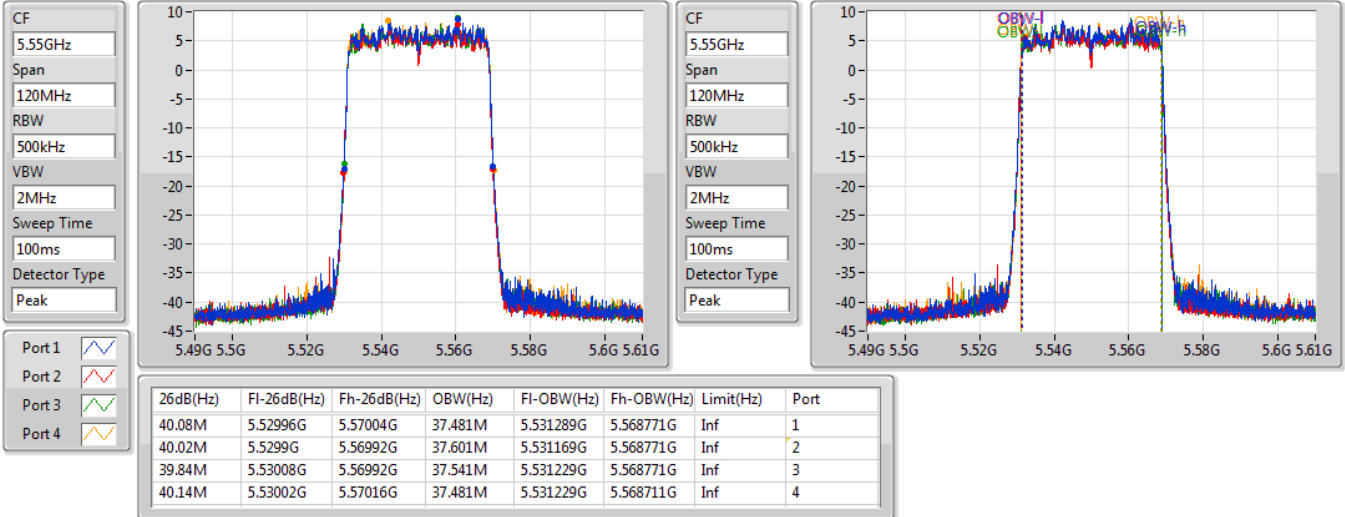


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

EBW

5550MHz

04/01/2020

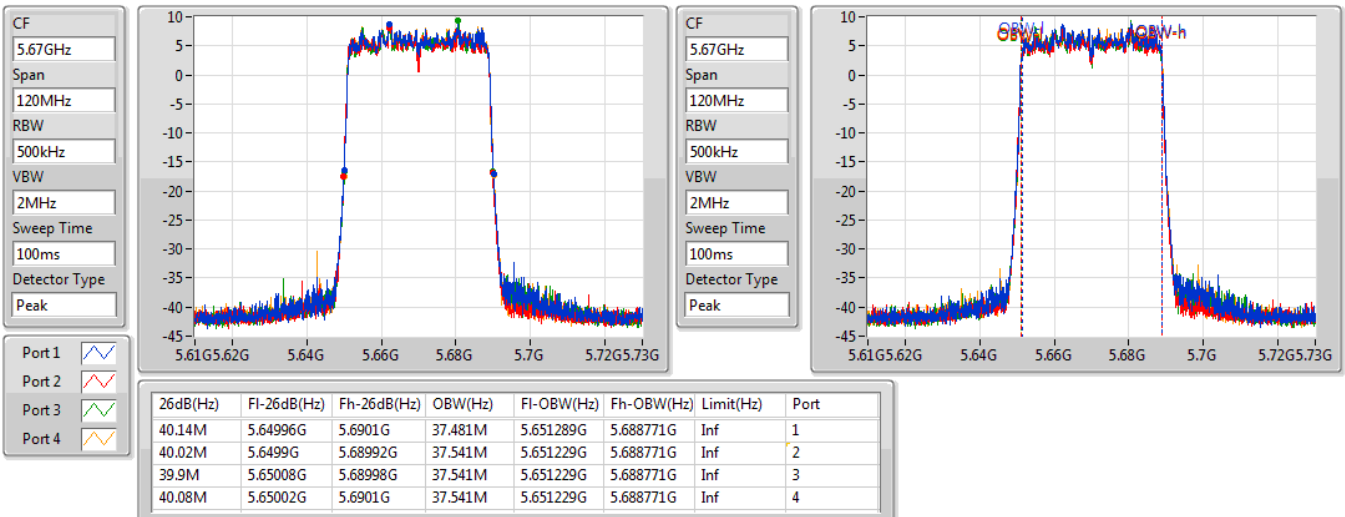


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

EBW

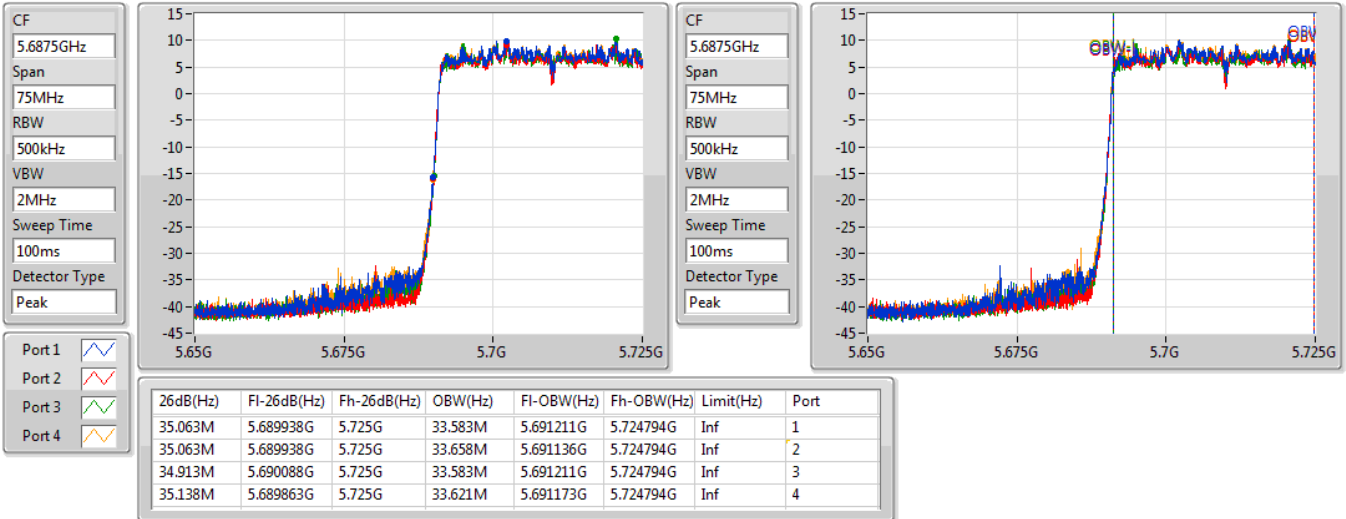
5670MHz

04/01/2020

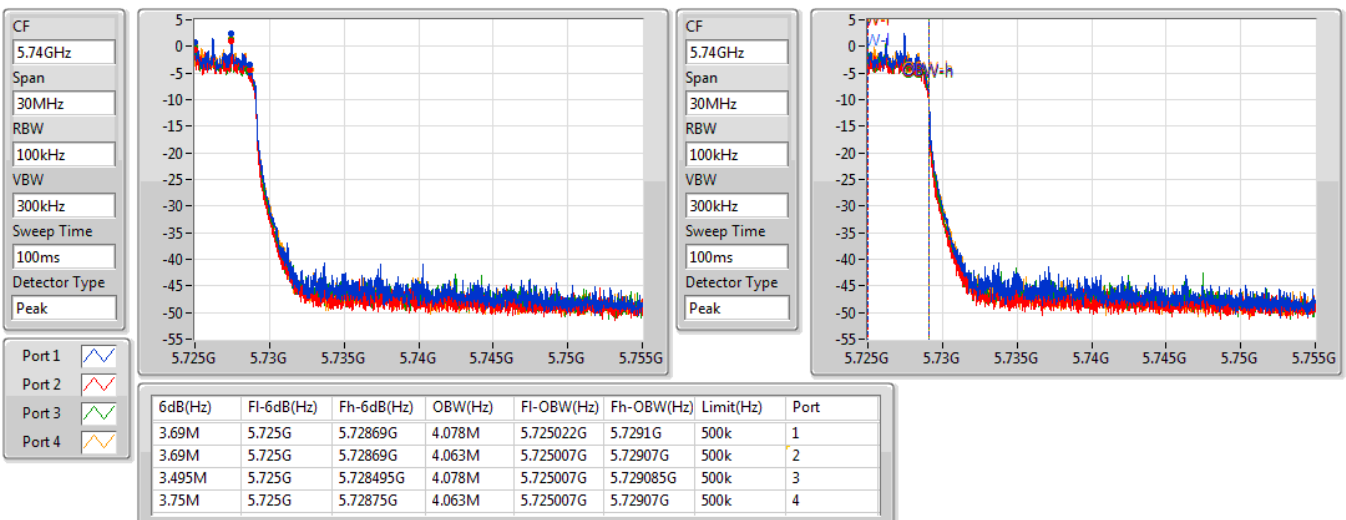


**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5710MHz Straddle 5.67-5.725GHz**

07/01/2020

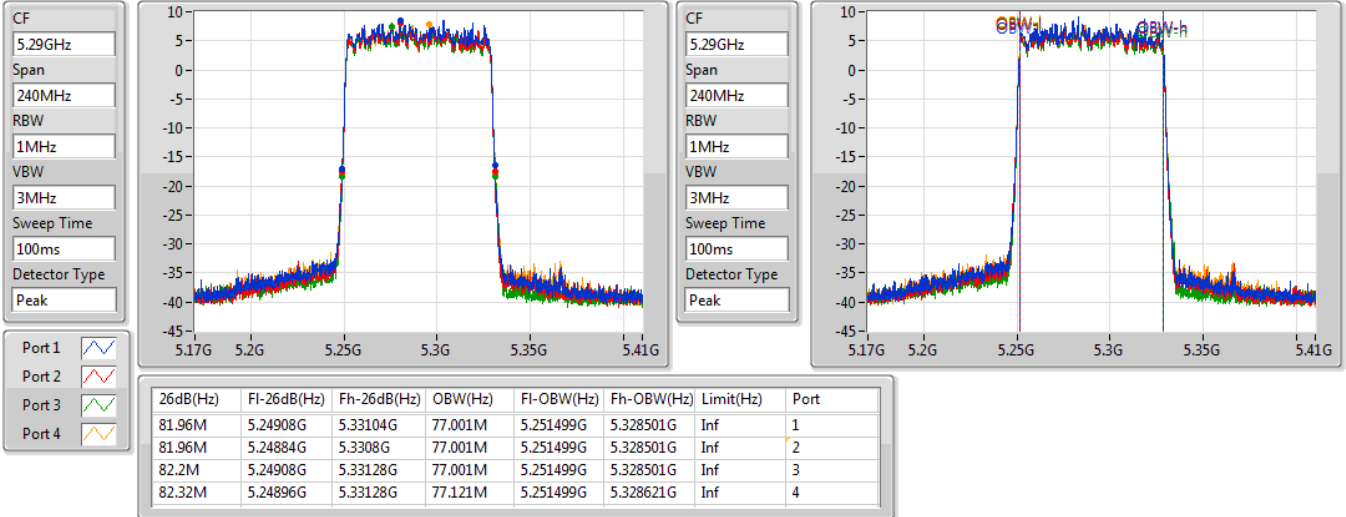

**802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5710MHz Straddle 5.725-5.85GHz**

07/01/2020

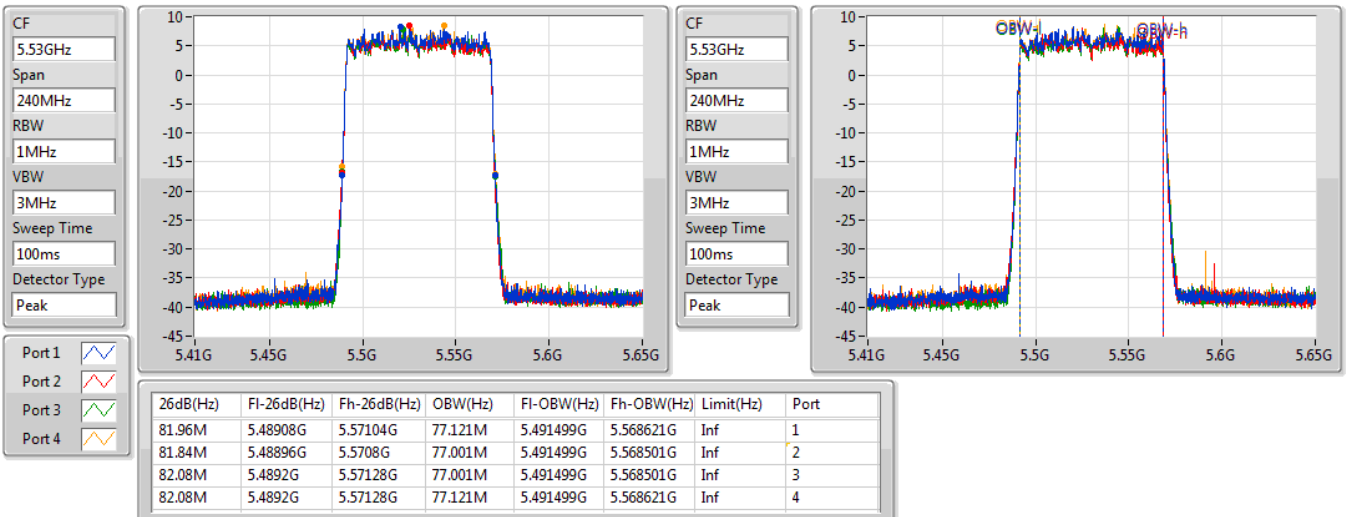


**802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5290MHz**

04/01/2020

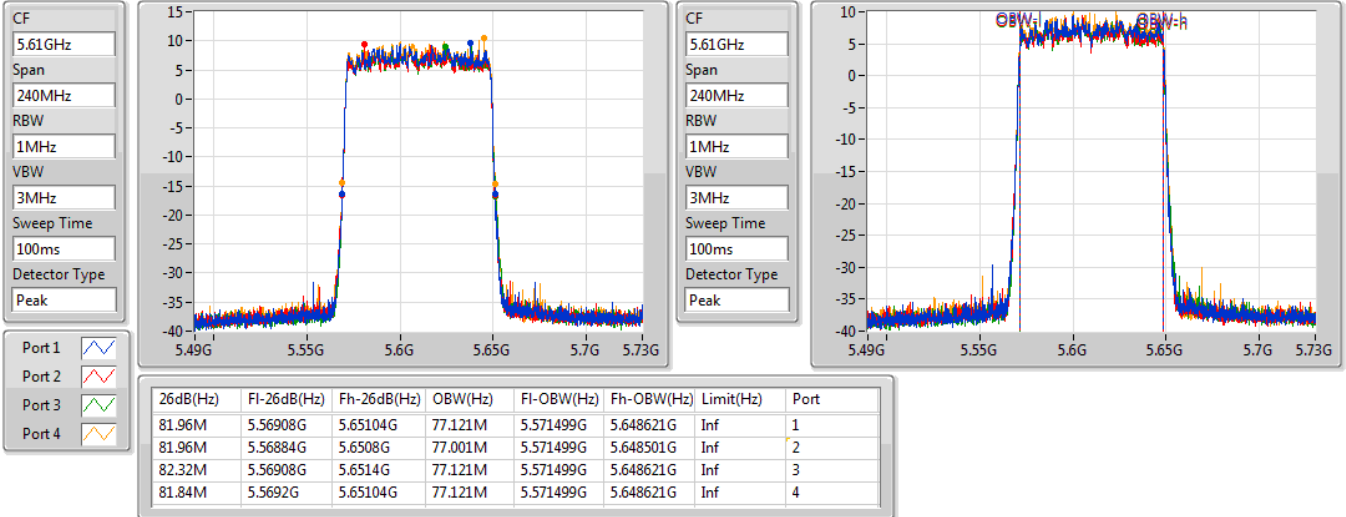

**802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5530MHz**

04/01/2020

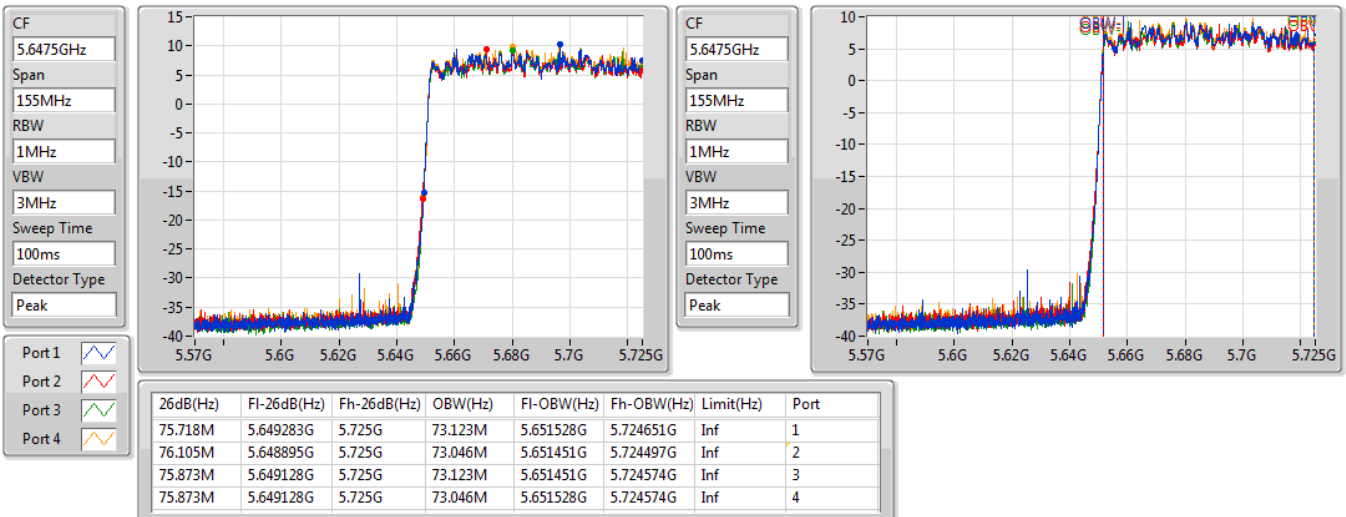


**802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5610MHz**

07/01/2020

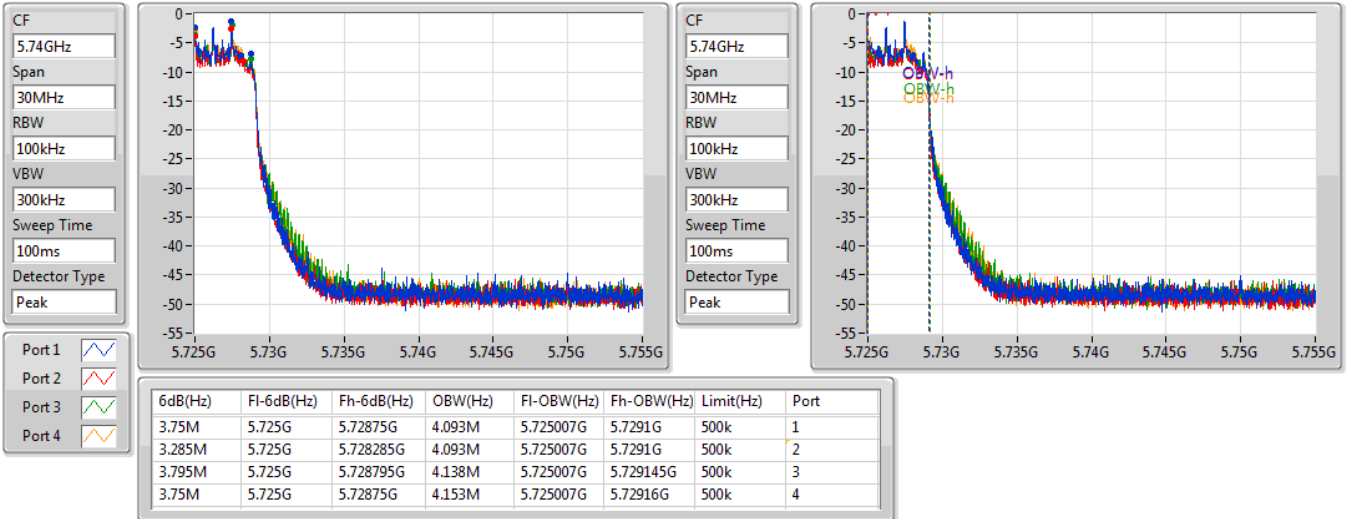

**802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5690MHz Straddle 5.47-5.725GHz**

07/01/2020

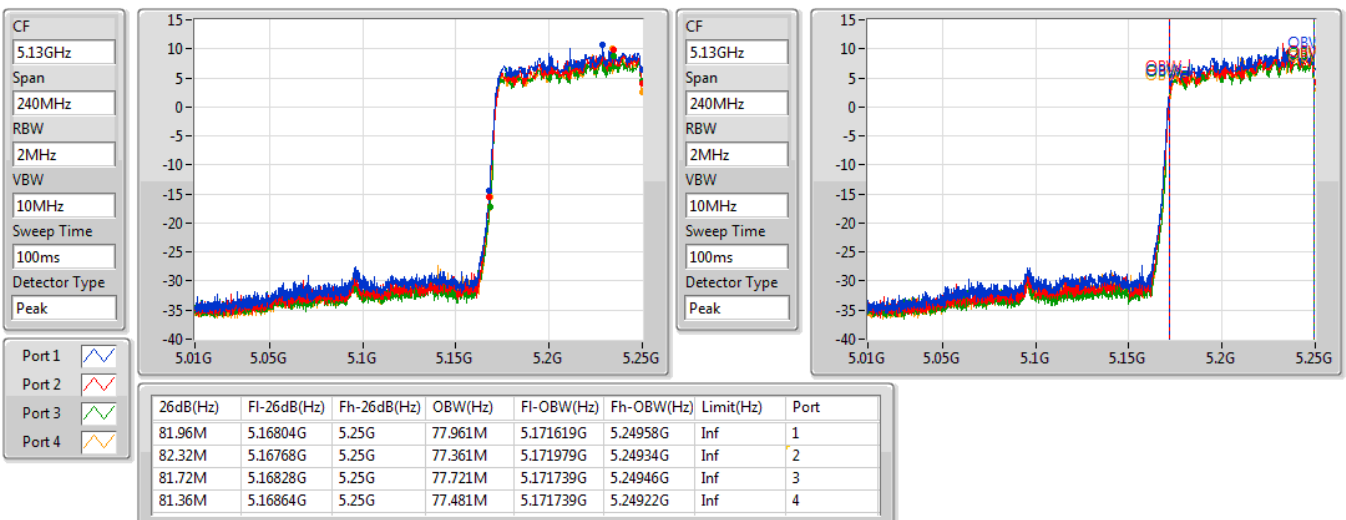


**802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5690MHz Straddle 5.725-5.85GHz**

07/01/2020

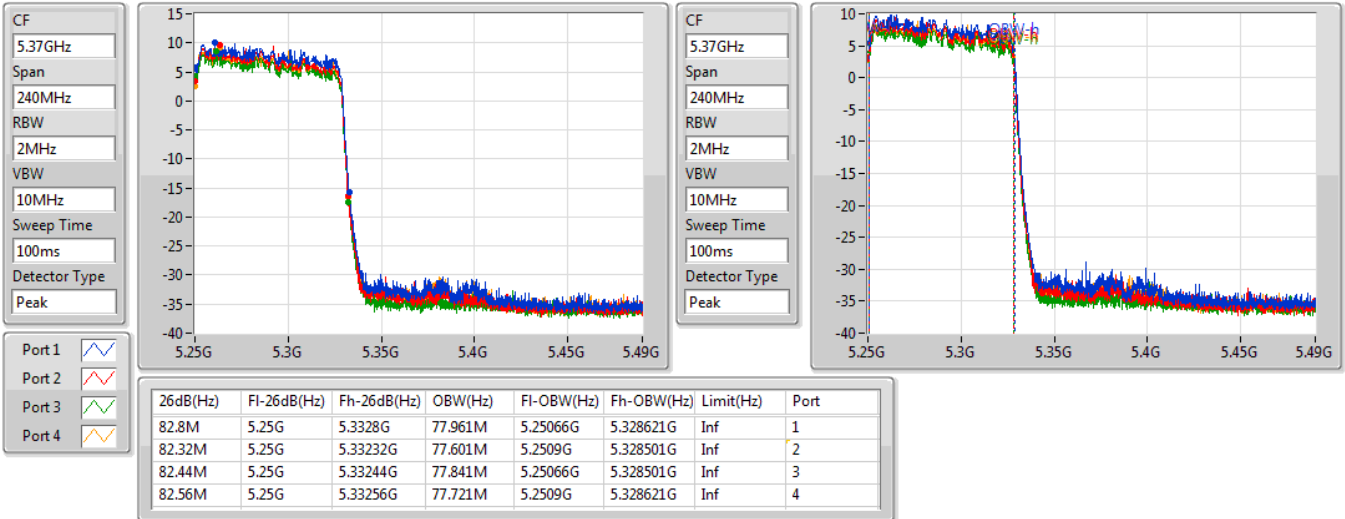

**802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5250MHz Straddle 5.15-5.25GHz**

07/01/2020

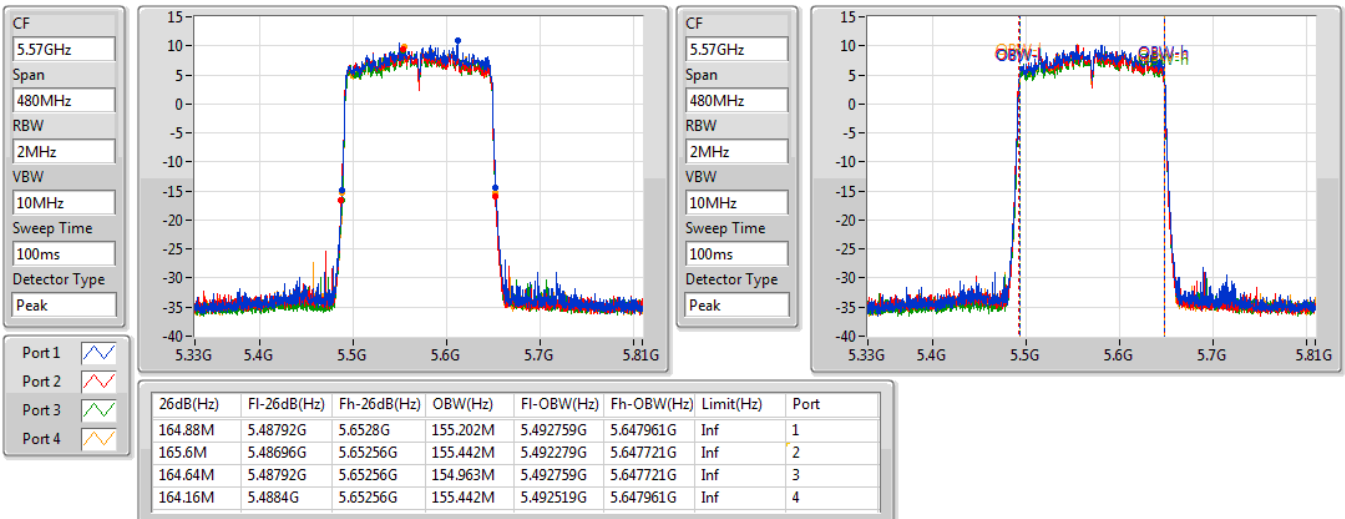


**802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5250MHz Straddle 5.25-5.35GHz**

07/01/2020


**802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX**
**EBW**
**5570MHz**

07/01/2020



**Summary**

| Mode                               | Total Power<br>(dBm) | Total Power<br>(W) |
|------------------------------------|----------------------|--------------------|
| 5.15-5.25GHz                       | -                    | -                  |
| 802.11ac VHT160_Nss1,(MCS0)_4TX    | 19.62                | 0.09162            |
| 802.11ax HEW160_Nss1,(MCS0)_4TX    | 19.85                | 0.09661            |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | 18.90                | 0.07762            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 19.20                | 0.08318            |
| 5.25-5.35GHz                       | -                    | -                  |
| 802.11a_Nss1,(6Mbps)_4TX           | 23.44                | 0.22080            |
| 802.11ac VHT20_Nss1,(MCS0)_4TX     | 23.70                | 0.23442            |
| 802.11ac VHT40_Nss1,(MCS0)_4TX     | 23.70                | 0.23442            |
| 802.11ac VHT80_Nss1,(MCS0)_4TX     | 23.72                | 0.23550            |
| 802.11ac VHT160_Nss1,(MCS0)_4TX    | 19.81                | 0.09572            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX     | 23.75                | 0.23714            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX     | 23.82                | 0.24099            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX     | 23.82                | 0.24099            |
| 802.11ax HEW160_Nss1,(MCS0)_4TX    | 19.95                | 0.09886            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX  | 22.77                | 0.18923            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX  | 22.89                | 0.19454            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX  | 21.90                | 0.15488            |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | 19.15                | 0.08222            |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 22.88                | 0.19409            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 23.02                | 0.20045            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 22.06                | 0.16069            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 19.27                | 0.08453            |
| 5.47-5.725GHz                      | -                    | -                  |
| 802.11a_Nss1,(6Mbps)_4TX           | 23.37                | 0.21727            |
| 802.11ac VHT20_Nss1,(MCS0)_4TX     | 23.76                | 0.23768            |
| 802.11ac VHT40_Nss1,(MCS0)_4TX     | 23.96                | 0.24889            |
| 802.11ac VHT80_Nss1,(MCS0)_4TX     | 23.69                | 0.23388            |
| 802.11ac VHT160_Nss1,(MCS0)_4TX    | 23.91                | 0.24604            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX     | 23.86                | 0.24322            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX     | 23.96                | 0.24889            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX     | 23.86                | 0.24322            |
| 802.11ax HEW160_Nss1,(MCS0)_4TX    | 23.92                | 0.24660            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX  | 22.43                | 0.17498            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX  | 22.55                | 0.17989            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX  | 22.39                | 0.17338            |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | 22.43                | 0.17498            |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 22.52                | 0.17865            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 22.54                | 0.17947            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 22.53                | 0.17906            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 22.58                | 0.18113            |
| 5.725-5.85GHz                      | -                    | -                  |
| 802.11a_Nss1,(6Mbps)_4TX           | 15.07                | 0.03214            |
| 802.11ac VHT20_Nss1,(MCS0)_4TX     | 15.80                | 0.03802            |



## Average Power

## Appendix B

| Mode                              | Total Power<br>(dBm) | Total Power<br>(W) |
|-----------------------------------|----------------------|--------------------|
| 802.11ac VHT40_Nss1,(MCS0)_4TX    | 13.35                | 0.02163            |
| 802.11ac VHT80_Nss1,(MCS0)_4TX    | 9.37                 | 0.00865            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX    | 16.97                | 0.04977            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX    | 14.05                | 0.02541            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX    | 10.18                | 0.01042            |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 15.59                | 0.03622            |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 11.97                | 0.01574            |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 7.90                 | 0.00617            |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 16.02                | 0.03999            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 12.55                | 0.01799            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 8.65                 | 0.00733            |

**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) |
|---------------------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|----------------------|----------------------|
| 802.11a_Nss1,(6Mbps)_4TX        | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5260MHz                         | Pass   | 4.98        | 17.76           | 17.27           | 16.85           | 17.73           | 23.44                | 23.98                |
| 5300MHz                         | Pass   | 4.98        | 17.70           | 17.01           | 16.84           | 17.80           | 23.38                | 23.98                |
| 5320MHz                         | Pass   | 4.98        | 17.71           | 17.10           | 16.78           | 17.39           | 23.28                | 23.98                |
| 5500MHz                         | Pass   | 4.98        | 17.51           | 17.21           | 17.04           | 17.60           | 23.37                | 23.98                |
| 5580MHz                         | Pass   | 4.98        | 17.58           | 16.91           | 17.14           | 17.53           | 23.32                | 23.98                |
| 5700MHz                         | Pass   | 4.98        | 17.55           | 16.96           | 16.95           | 17.43           | 23.25                | 23.98                |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | 4.98        | 15.69           | 15.31           | 15.32           | 15.69           | 21.53                | 22.91                |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 4.98        | 9.26            | 8.69            | 8.71            | 9.48            | 15.07                | 30.00                |
| 802.11ac VHT20_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5260MHz                         | Pass   | 4.98        | 17.76           | 17.02           | 17.17           | 17.90           | 23.50                | 23.98                |
| 5300MHz                         | Pass   | 4.98        | 17.89           | 17.13           | 17.09           | 18.01           | 23.57                | 23.98                |
| 5320MHz                         | Pass   | 4.98        | 18.05           | 17.31           | 17.32           | 17.97           | 23.70                | 23.98                |
| 5500MHz                         | Pass   | 4.98        | 17.86           | 17.39           | 17.37           | 17.48           | 23.55                | 23.98                |
| 5580MHz                         | Pass   | 4.98        | 17.71           | 17.62           | 17.61           | 18.02           | 23.76                | 23.98                |
| 5700MHz                         | Pass   | 4.98        | 16.28           | 15.91           | 15.89           | 16.14           | 22.08                | 23.98                |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | 4.98        | 15.83           | 15.44           | 15.46           | 16.02           | 21.72                | 22.93                |
| 5720MHz Straddle 5.725-5.85GHz  | Pass   | 4.98        | 10.06           | 9.45            | 9.53            | 10.05           | 15.80                | 30.00                |
| 802.11ac VHT40_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5270MHz                         | Pass   | 4.98        | 18.05           | 17.47           | 16.99           | 17.96           | 23.66                | 23.98                |
| 5310MHz                         | Pass   | 4.98        | 18.02           | 17.58           | 17.10           | 17.95           | 23.70                | 23.98                |
| 5510MHz                         | Pass   | 4.98        | 18.01           | 17.58           | 17.39           | 18.27           | 23.85                | 23.98                |
| 5550MHz                         | Pass   | 4.98        | 17.93           | 17.49           | 17.52           | 18.19           | 23.81                | 23.98                |
| 5670MHz                         | Pass   | 4.98        | 18.00           | 17.46           | 17.35           | 18.06           | 23.75                | 23.98                |
| 5710MHz Straddle 5.47-5.725GHz  | Pass   | 4.98        | 18.09           | 17.56           | 17.60           | 18.44           | 23.96                | 23.98                |
| 5710MHz Straddle 5.725-5.85GHz  | Pass   | 4.98        | 7.76            | 6.87            | 6.93            | 7.69            | 13.35                | 30.00                |
| 802.11ac VHT80_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5290MHz                         | Pass   | 4.98        | 18.09           | 17.62           | 17.18           | 17.84           | 23.72                | 23.98                |
| 5530MHz                         | Pass   | 4.98        | 17.89           | 17.33           | 17.31           | 18.11           | 23.69                | 23.98                |
| 5610MHz                         | Pass   | 4.98        | 17.75           | 17.20           | 17.11           | 18.18           | 23.60                | 23.98                |
| 5690MHz Straddle 5.47-5.725GHz  | Pass   | 4.98        | 17.53           | 17.14           | 17.32           | 17.87           | 23.49                | 23.98                |
| 5690MHz Straddle 5.725-5.85GHz  | Pass   | 4.98        | 3.67            | 2.89            | 3.11            | 3.67            | 9.37                 | 30.00                |
| 802.11ac VHT160_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5250MHz Straddle 5.15-5.25GHz   | Pass   | 4.98        | 14.36           | 13.65           | 13.11           | 13.14           | 19.62                | 30.00                |
| 5250MHz Straddle 5.25-5.35GHz   | Pass   | 4.98        | 14.57           | 14.05           | 13.10           | 13.26           | 19.81                | 23.98                |
| 5570MHz                         | Pass   | 4.98        | 18.25           | 18.01           | 17.36           | 17.89           | 23.91                | 23.98                |
| 802.11ax HEW20_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5260MHz                         | Pass   | 4.98        | 18.19           | 17.14           | 17.37           | 18.08           | 23.74                | 23.98                |
| 5300MHz                         | Pass   | 4.98        | 18.04           | 17.30           | 17.11           | 18.19           | 23.71                | 23.98                |
| 5320MHz                         | Pass   | 4.98        | 18.12           | 17.34           | 17.37           | 18.04           | 23.75                | 23.98                |
| 5500MHz                         | Pass   | 4.98        | 17.89           | 17.58           | 17.44           | 17.62           | 23.66                | 23.98                |
| 5580MHz                         | Pass   | 4.98        | 17.80           | 17.72           | 17.68           | 18.13           | 23.86                | 23.98                |
| 5700MHz                         | Pass   | 4.98        | 16.40           | 15.98           | 15.96           | 16.28           | 22.18                | 23.98                |
| 5720MHz Straddle 5.47-5.725GHz  | Pass   | 4.98        | 15.99           | 15.64           | 15.41           | 15.93           | 21.77                | 22.96                |



## Average Power

## Appendix B

| 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) |
|------------------------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|----------------------|----------------------|
| 5720MHz Straddle 5.725-5.85GHz     | Pass   | 4.98        | 11.35           | 10.57           | 10.57           | 11.24           | 16.97                | 30.00                |
| 802.11ax HEW40_Nss1,(MCS0)_4TX     | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5270MHz                            | Pass   | 4.98        | 18.19           | 17.58           | 17.24           | 17.99           | 23.79                | 23.98                |
| 5310MHz                            | Pass   | 4.98        | 18.16           | 17.72           | 17.25           | 18.03           | 23.82                | 23.98                |
| 5510MHz                            | Pass   | 4.98        | 18.16           | 17.67           | 17.58           | 18.29           | 23.96                | 23.98                |
| 5550MHz                            | Pass   | 4.98        | 18.01           | 17.59           | 17.58           | 18.23           | 23.88                | 23.98                |
| 5670MHz                            | Pass   | 4.98        | 18.17           | 17.52           | 17.46           | 18.17           | 23.86                | 23.98                |
| 5710MHz Straddle 5.47-5.725GHz     | Pass   | 4.98        | 18.18           | 17.56           | 17.50           | 18.20           | 23.89                | 23.98                |
| 5710MHz Straddle 5.725-5.85GHz     | Pass   | 4.98        | 8.44            | 7.53            | 7.72            | 8.35            | 14.05                | 30.00                |
| 802.11ax HEW80_Nss1,(MCS0)_4TX     | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5290MHz                            | Pass   | 4.98        | 18.20           | 17.63           | 17.22           | 18.07           | 23.82                | 23.98                |
| 5530MHz                            | Pass   | 4.98        | 17.95           | 17.52           | 17.47           | 18.18           | 23.81                | 23.98                |
| 5610MHz                            | Pass   | 4.98        | 17.85           | 17.53           | 17.40           | 18.35           | 23.82                | 23.98                |
| 5690MHz Straddle 5.47-5.725GHz     | Pass   | 4.98        | 17.94           | 17.58           | 17.46           | 18.31           | 23.86                | 23.98                |
| 5690MHz Straddle 5.725-5.85GHz     | Pass   | 4.98        | 4.57            | 3.64            | 3.89            | 4.46            | 10.18                | 30.00                |
| 802.11ax HEW160_Nss1,(MCS0)_4TX    | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5250MHz Straddle 5.15-5.25GHz      | Pass   | 4.98        | 14.56           | 13.90           | 13.39           | 13.37           | 19.85                | 30.00                |
| 5250MHz Straddle 5.25-5.35GHz      | Pass   | 4.98        | 14.79           | 14.04           | 13.11           | 13.60           | 19.95                | 23.98                |
| 5570MHz                            | Pass   | 4.98        | 18.08           | 18.32           | 17.30           | 17.83           | 23.92                | 23.98                |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5260MHz                            | Pass   | 6.94        | 17.10           | 16.28           | 16.32           | 17.23           | 22.77                | 23.04                |
| 5300MHz                            | Pass   | 6.94        | 16.91           | 16.40           | 16.32           | 17.11           | 22.72                | 23.04                |
| 5320MHz                            | Pass   | 6.94        | 16.86           | 16.33           | 16.22           | 16.82           | 22.59                | 23.04                |
| 5500MHz                            | Pass   | 7.39        | 16.48           | 16.21           | 16.28           | 16.60           | 22.42                | 22.59                |
| 5580MHz                            | Pass   | 7.39        | 16.40           | 16.03           | 16.00           | 16.66           | 22.30                | 22.59                |
| 5700MHz                            | Pass   | 7.39        | 16.51           | 16.25           | 16.41           | 16.47           | 22.43                | 22.59                |
| 5720MHz Straddle 5.47-5.725GHz     | Pass   | 7.39        | 15.68           | 15.34           | 15.29           | 15.59           | 21.50                | 21.58                |
| 5720MHz Straddle 5.725-5.85GHz     | Pass   | 7.39        | 9.85            | 9.32            | 9.34            | 9.74            | 15.59                | 28.61                |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5270MHz                            | Pass   | 6.94        | 17.15           | 16.68           | 16.25           | 17.14           | 22.84                | 23.04                |
| 5310MHz                            | Pass   | 6.94        | 17.15           | 16.80           | 16.19           | 17.25           | 22.89                | 23.04                |
| 5510MHz                            | Pass   | 7.39        | 16.49           | 16.22           | 16.12           | 16.64           | 22.39                | 22.59                |
| 5550MHz                            | Pass   | 7.39        | 16.56           | 16.16           | 16.05           | 16.54           | 22.35                | 22.59                |
| 5670MHz                            | Pass   | 7.39        | 16.27           | 15.82           | 16.07           | 16.48           | 22.19                | 22.59                |
| 5710MHz Straddle 5.47-5.725GHz     | Pass   | 7.39        | 16.74           | 16.25           | 16.26           | 16.84           | 22.55                | 22.59                |
| 5710MHz Straddle 5.725-5.85GHz     | Pass   | 7.39        | 6.44            | 5.49            | 5.66            | 6.16            | 11.97                | 28.61                |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5290MHz                            | Pass   | 6.94        | 16.29           | 15.68           | 15.34           | 16.16           | 21.90                | 23.04                |
| 5530MHz                            | Pass   | 7.39        | 16.26           | 15.89           | 15.74           | 16.40           | 22.10                | 22.59                |
| 5610MHz                            | Pass   | 7.39        | 16.47           | 15.99           | 16.12           | 16.83           | 22.39                | 22.59                |
| 5690MHz Straddle 5.47-5.725GHz     | Pass   | 7.39        | 16.23           | 15.91           | 15.94           | 16.68           | 22.22                | 22.59                |
| 5690MHz Straddle 5.725-5.85GHz     | Pass   | 7.39        | 2.19            | 1.48            | 1.58            | 2.20            | 7.90                 | 28.61                |
| 802.11ac VHT160-BF_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5250MHz Straddle 5.15-5.25GHz      | Pass   | 7.36        | 13.58           | 13.01           | 12.40           | 12.40           | 18.90                | 28.64                |
| 5250MHz Straddle 5.25-5.35GHz      | Pass   | 6.94        | 13.96           | 13.35           | 12.36           | 12.66           | 19.15                | 23.04                |



## Average Power

## Appendix B

| 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) |
|------------------------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|----------------------|----------------------|
| 5570MHz                            | Pass   | 7.39        | 16.80           | 16.45           | 16.06           | 16.30           | 22.43                | 22.59                |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5260MHz                            | Pass   | 6.94        | 17.15           | 16.31           | 16.33           | 17.35           | 22.83                | 23.04                |
| 5300MHz                            | Pass   | 6.94        | 17.06           | 16.59           | 16.43           | 17.29           | 22.88                | 23.04                |
| 5320MHz                            | Pass   | 6.94        | 17.05           | 16.39           | 16.42           | 17.22           | 22.81                | 23.04                |
| 5500MHz                            | Pass   | 7.39        | 16.50           | 16.27           | 16.41           | 16.78           | 22.51                | 22.59                |
| 5580MHz                            | Pass   | 7.39        | 16.47           | 16.15           | 16.19           | 16.72           | 22.41                | 22.59                |
| 5700MHz                            | Pass   | 7.39        | 16.67           | 16.32           | 16.43           | 16.55           | 22.52                | 22.59                |
| 5720MHz Straddle 5.47-5.725GHz     | Pass   | 7.39        | 15.57           | 15.26           | 15.26           | 15.65           | 21.46                | 21.55                |
| 5720MHz Straddle 5.725-5.85GHz     | Pass   | 7.39        | 10.35           | 9.70            | 9.82            | 10.09           | 16.02                | 28.61                |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5270MHz                            | Pass   | 6.94        | 17.30           | 16.81           | 16.38           | 17.34           | 23.00                | 23.04                |
| 5310MHz                            | Pass   | 6.94        | 17.40           | 16.83           | 16.30           | 17.36           | 23.02                | 23.04                |
| 5510MHz                            | Pass   | 7.39        | 16.70           | 16.26           | 16.15           | 16.72           | 22.49                | 22.59                |
| 5550MHz                            | Pass   | 7.39        | 16.66           | 16.30           | 16.20           | 16.70           | 22.49                | 22.59                |
| 5670MHz                            | Pass   | 7.39        | 16.60           | 16.13           | 16.27           | 16.75           | 22.47                | 22.59                |
| 5710MHz Straddle 5.47-5.725GHz     | Pass   | 7.39        | 16.73           | 16.26           | 16.23           | 16.84           | 22.54                | 22.59                |
| 5710MHz Straddle 5.725-5.85GHz     | Pass   | 7.39        | 6.94            | 6.11            | 6.25            | 6.77            | 12.55                | 28.61                |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5290MHz                            | Pass   | 6.94        | 16.43           | 15.95           | 15.46           | 16.27           | 22.06                | 23.04                |
| 5530MHz                            | Pass   | 7.39        | 16.58           | 16.19           | 15.92           | 16.63           | 22.36                | 22.59                |
| 5610MHz                            | Pass   | 7.39        | 16.63           | 16.08           | 16.20           | 17.07           | 22.53                | 22.59                |
| 5690MHz Straddle 5.47-5.725GHz     | Pass   | 7.39        | 16.47           | 16.15           | 16.21           | 16.86           | 22.45                | 22.59                |
| 5690MHz Straddle 5.725-5.85GHz     | Pass   | 7.39        | 2.91            | 2.15            | 2.47            | 2.95            | 8.65                 | 28.61                |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                    | -                    |
| 5250MHz Straddle 5.15-5.25GHz      | Pass   | 7.36        | 13.88           | 13.20           | 12.75           | 12.77           | 19.20                | 28.64                |
| 5250MHz Straddle 5.25-5.35GHz      | Pass   | 6.94        | 14.09           | 13.35           | 12.42           | 12.95           | 19.27                | 23.04                |
| 5570MHz                            | Pass   | 7.39        | 17.02           | 16.47           | 16.18           | 16.53           | 22.58                | 22.59                |

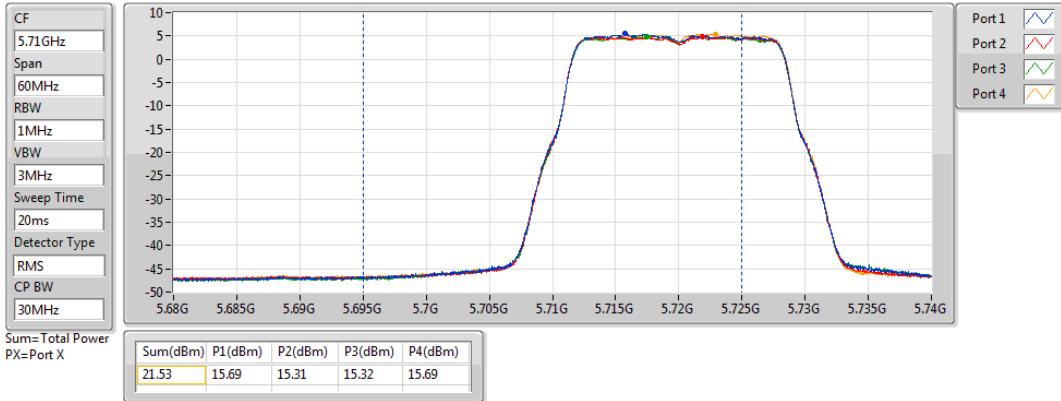
**DG** = Directional Gain; **Port X** = Port X output power

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

## AV Power

### 5720MHz Straddle 5.47-5.725GHz

07/01/2020

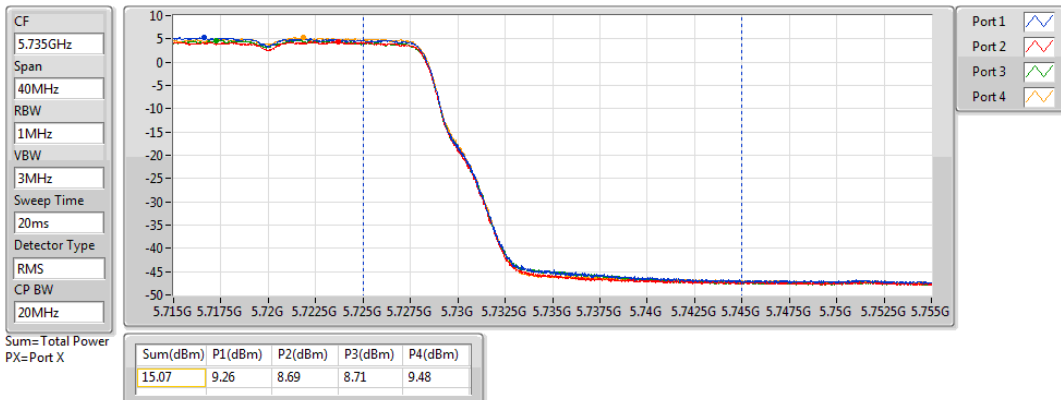


## 802.11a\_Nss1,(6Mbps)\_4TX

## AV Power

### 5720MHz Straddle 5.725-5.85GHz

07/01/2020

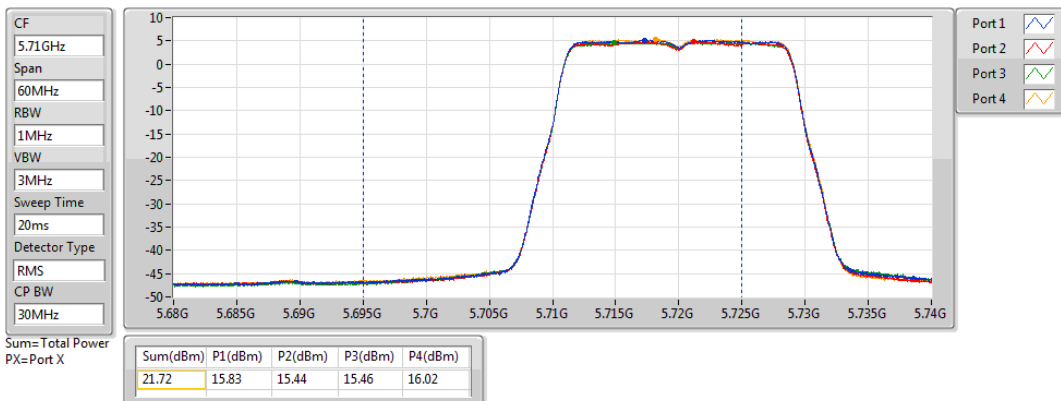


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

## AV Power

### 5720MHz Straddle 5.47-5.725GHz

07/01/2020

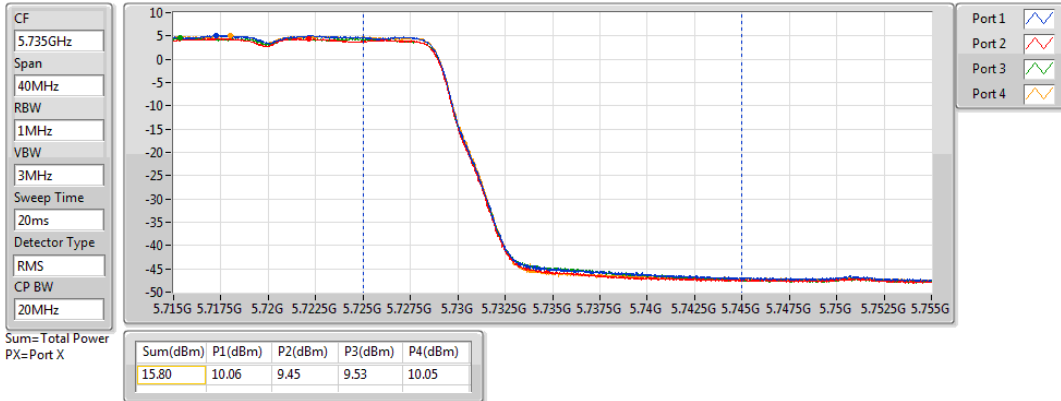


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

## AV Power

### 5720MHz Straddle 5.725-5.85GHz

07/01/2020

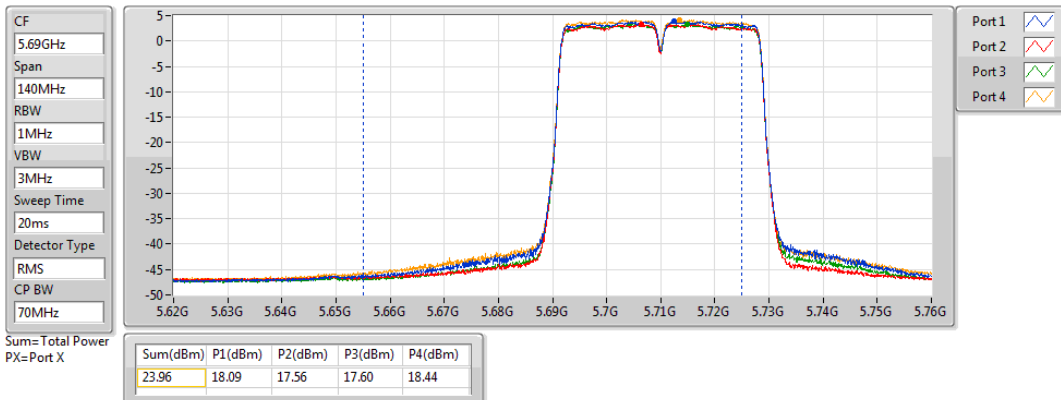


## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

## AV Power

### 5710MHz Straddle 5.47-5.725GHz

07/01/2020

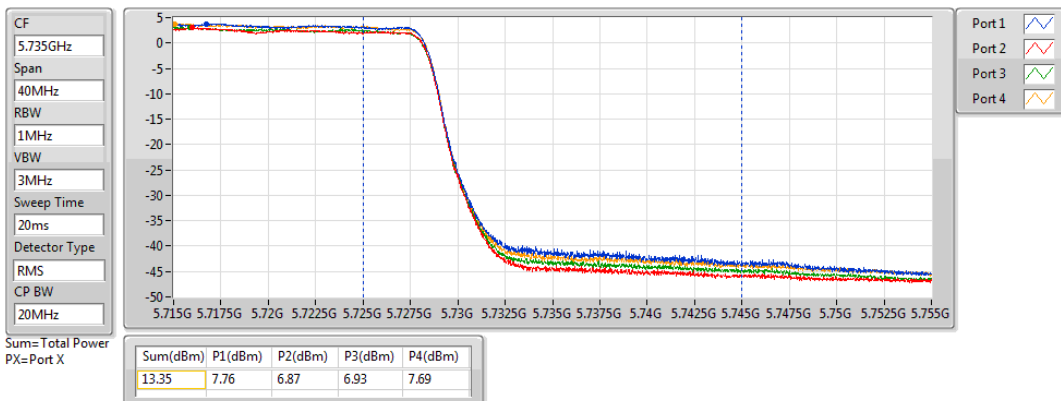


## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

## AV Power

### 5710MHz Straddle 5.725-5.85GHz

07/01/2020

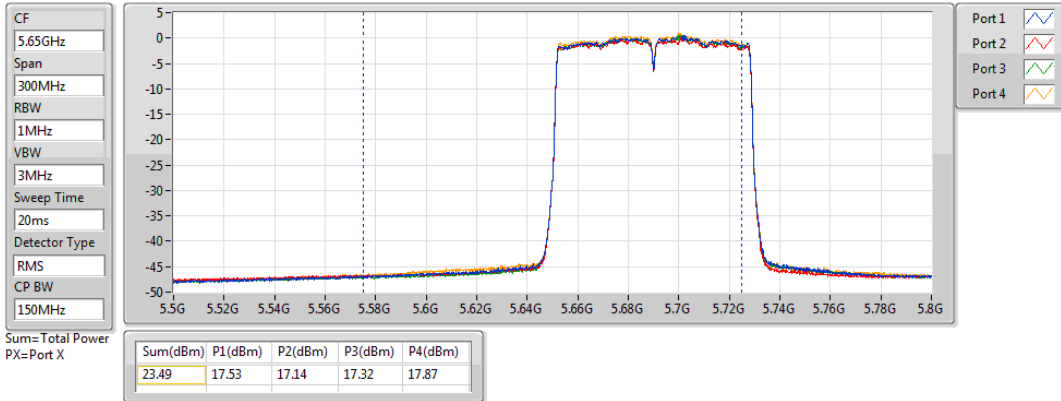


## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

## AV Power

### 5690MHz Straddle 5.47-5.725GHz

07/01/2020

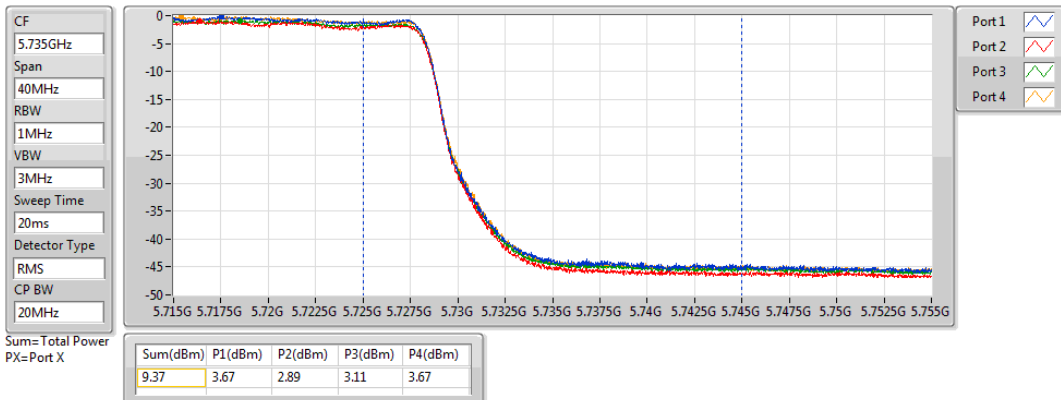


## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

## AV Power

### 5690MHz Straddle 5.725-5.85GHz

07/01/2020

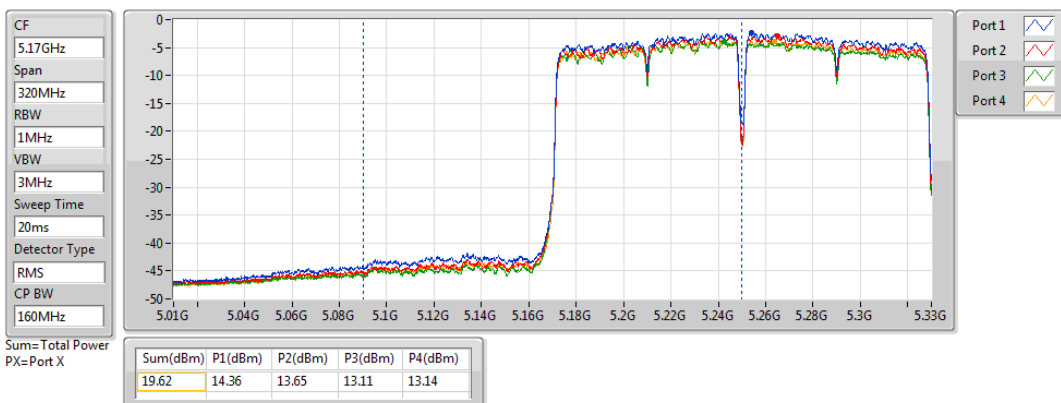


## 802.11ac VHT160\_Nss1,(MCS0)\_4TX

## AV Power

### 5250MHz Straddle 5.15-5.25GHz

07/01/2020

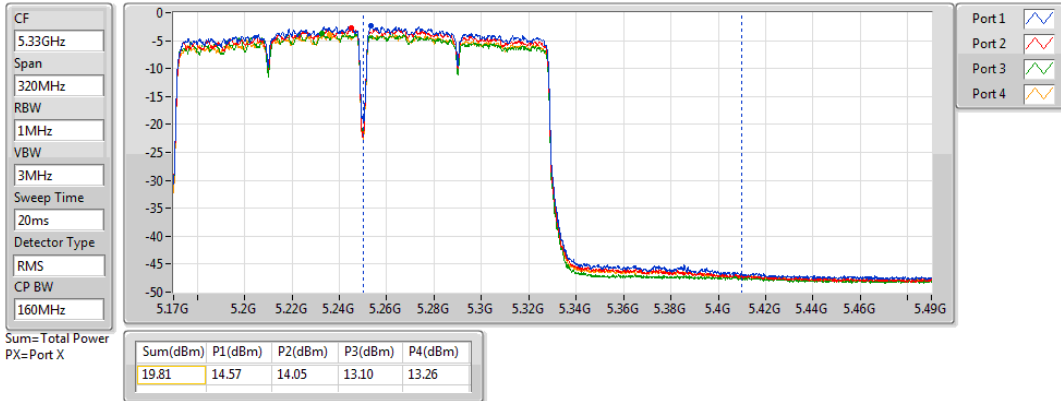


## 802.11ac VHT160\_Nss1,(MCS0)\_4TX

## AV Power

### 5250MHz Straddle 5.25-5.35GHz

07/01/2020

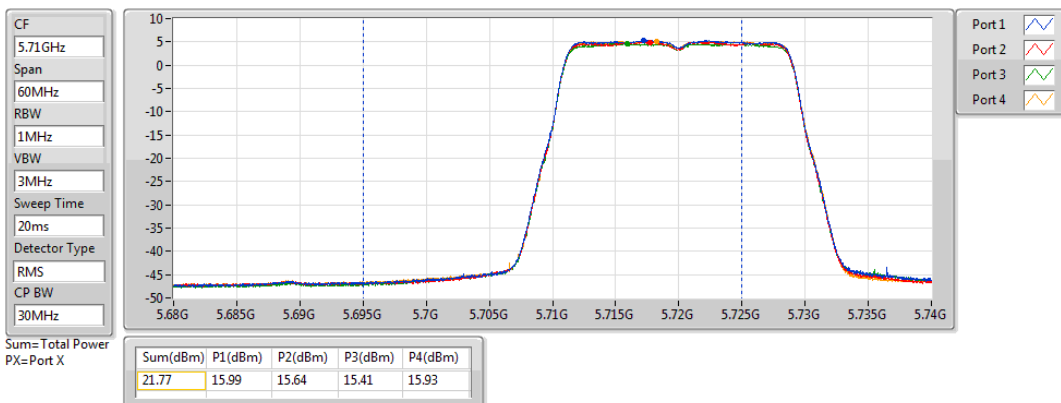


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## AV Power

### 5720MHz Straddle 5.47-5.725GHz

07/01/2020

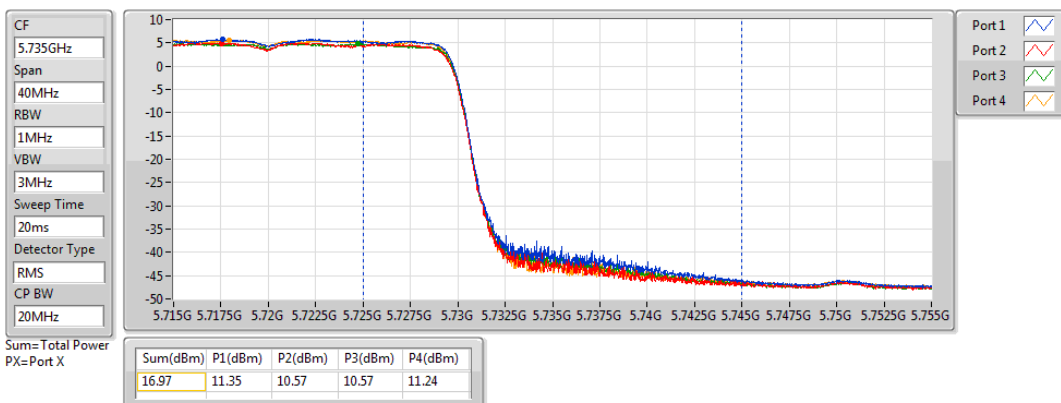


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## AV Power

### 5720MHz Straddle 5.725-5.85GHz

07/01/2020



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

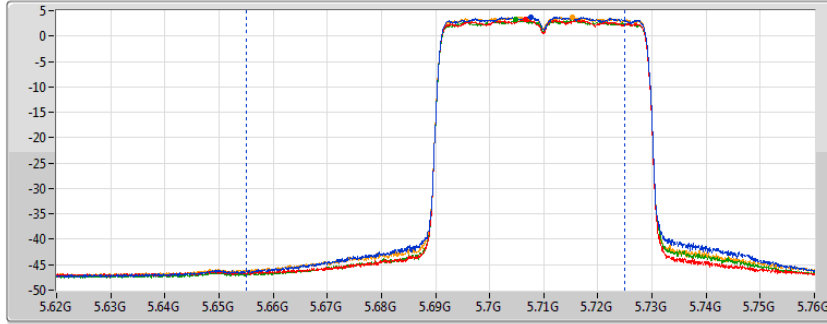
## AV Power

### 5710MHz Straddle 5.47-5.725GHz

07/01/2020

CF  
5.69GHz  
Span  
140MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS  
CP BW  
70MHz

Sum=Total Power  
PX=Port X



Port 1  
Port 2  
Port 3  
Port 4

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 23.89    | 18.18   | 17.56   | 17.50   | 18.20   |

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

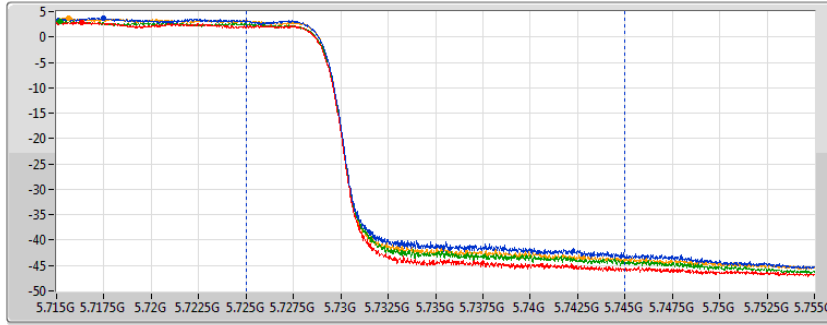
## AV Power

### 5710MHz Straddle 5.725-5.85GHz

07/01/2020

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

Sum=Total Power  
PX=Port X



Port 1  
Port 2  
Port 3  
Port 4

| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 14.05    | 8.44    | 7.53    | 7.72    | 8.35    |

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

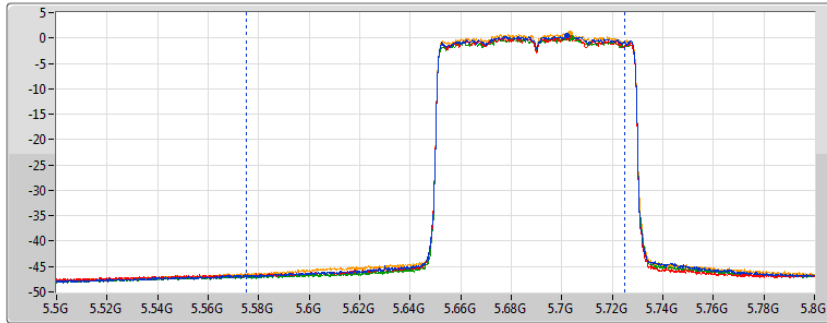
## AV Power

### 5690MHz Straddle 5.47-5.725GHz

07/01/2020

CF  
5.65GHz  
Span  
300MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS  
CP BW  
150MHz

Sum=Total Power  
PX=Port X



Port 1  
Port 2  
Port 3  
Port 4

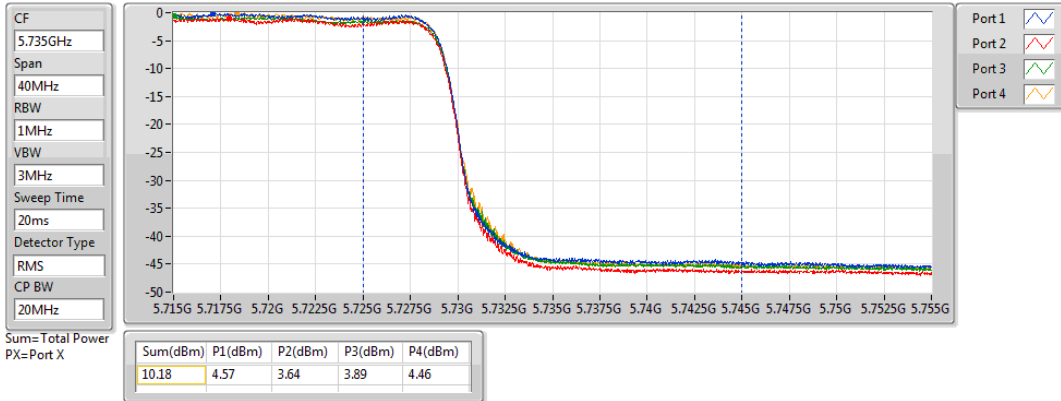
| Sum(dBm) | P1(dBm) | P2(dBm) | P3(dBm) | P4(dBm) |
|----------|---------|---------|---------|---------|
| 23.86    | 17.94   | 17.58   | 17.46   | 18.31   |

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

## AV Power

5690MHz Straddle 5.725-5.85GHz

07/01/2020

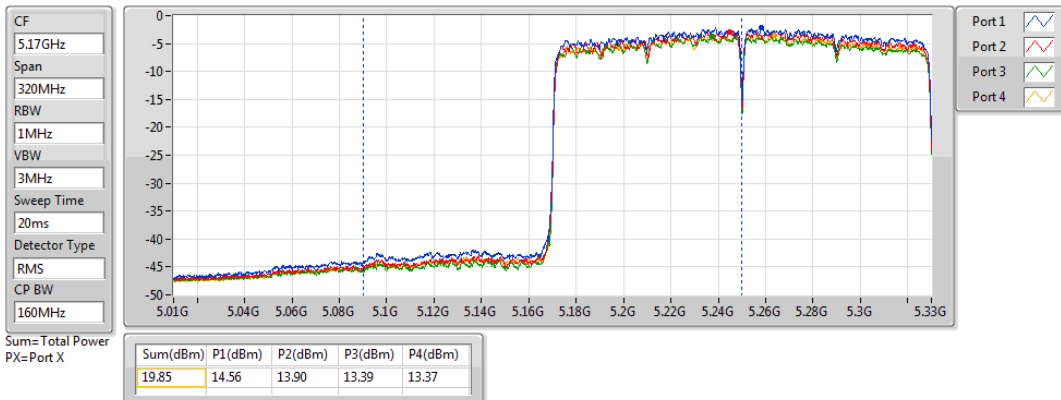


## 802.11ax HEW160\_Nss1,(MCS0)\_4TX

## AV Power

5250MHz Straddle 5.15-5.25GHz

07/01/2020

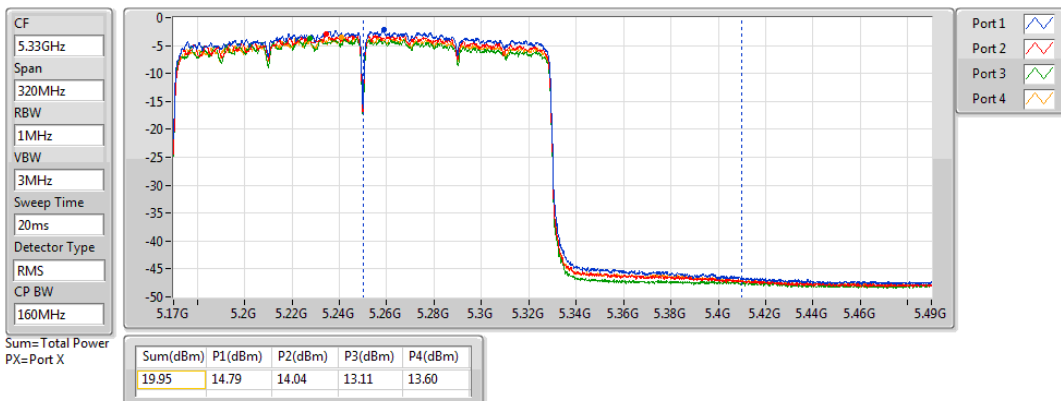


## 802.11ax HEW160\_Nss1,(MCS0)\_4TX

## AV Power

5250MHz Straddle 5.25-5.35GHz

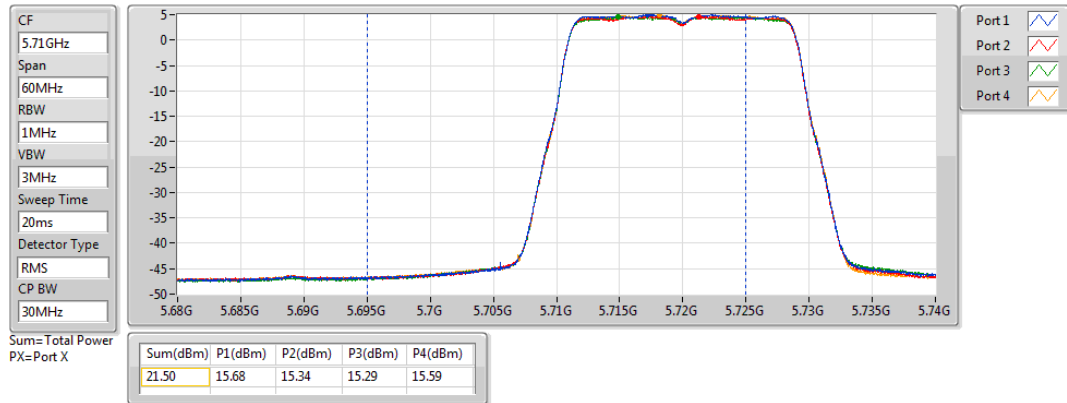
07/01/2020



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## AV Power

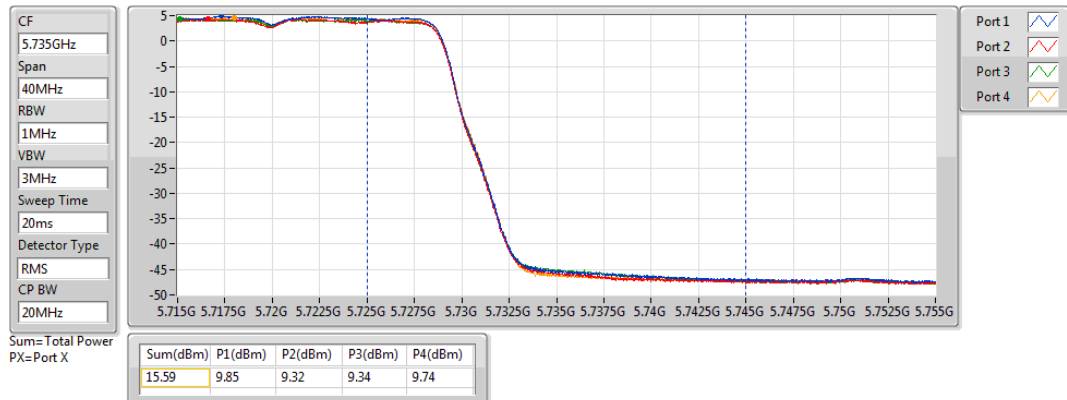
### 5720MHz Straddle 5.47-5.725GHz



## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

## AV Power

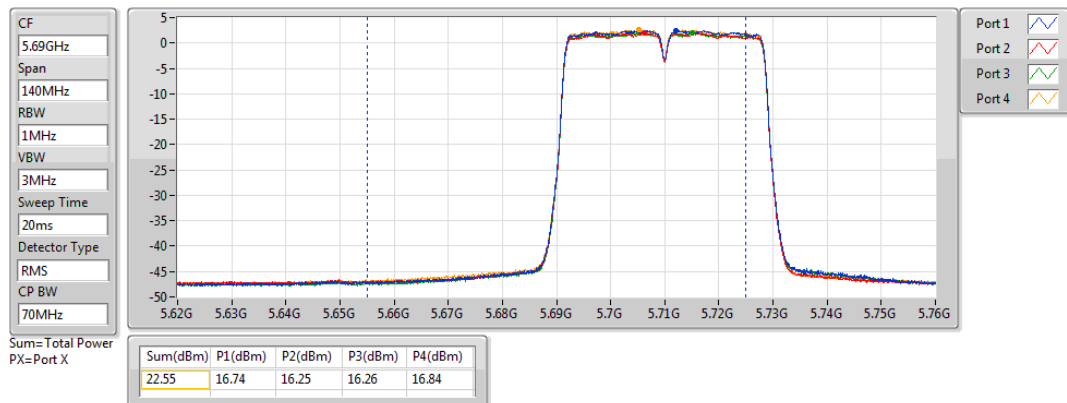
### 5720MHz Straddle 5.725-5.85GHz



## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5710MHz Straddle 5.47-5.725GHz

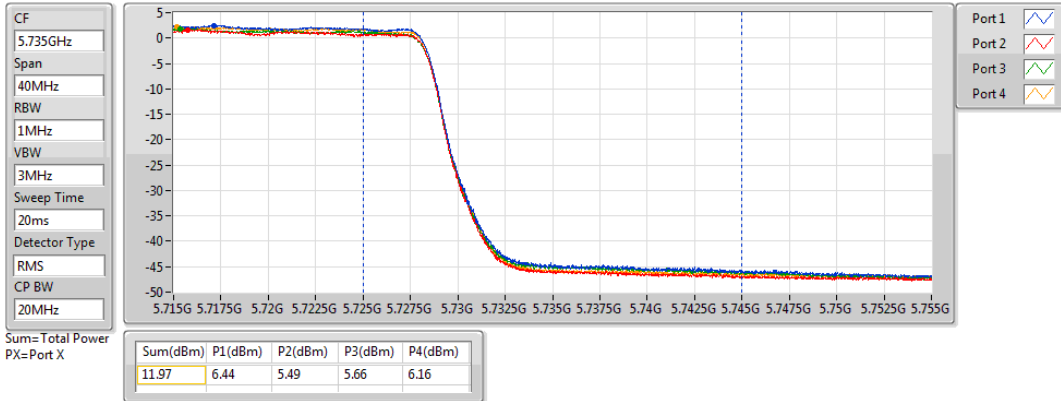


## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5710MHz Straddle 5.725-5.85GHz

07/01/2020

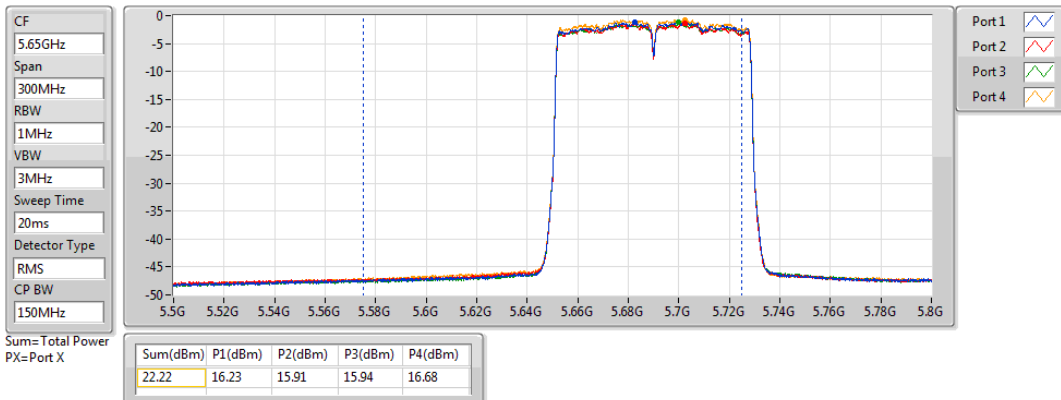


## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5690MHz Straddle 5.47-5.725GHz

07/01/2020

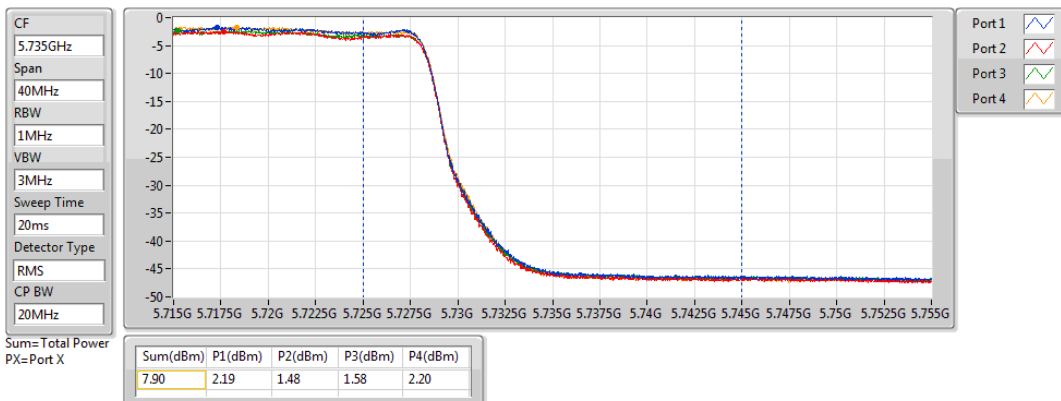


## 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5690MHz Straddle 5.725-5.85GHz

07/01/2020

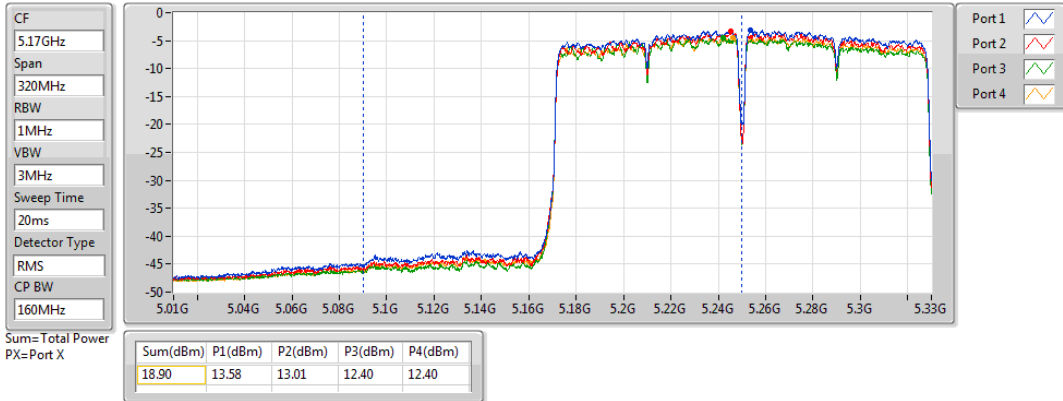


## 802.11ac VHT160-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5250MHz Straddle 5.15-5.25GHz

07/01/2020

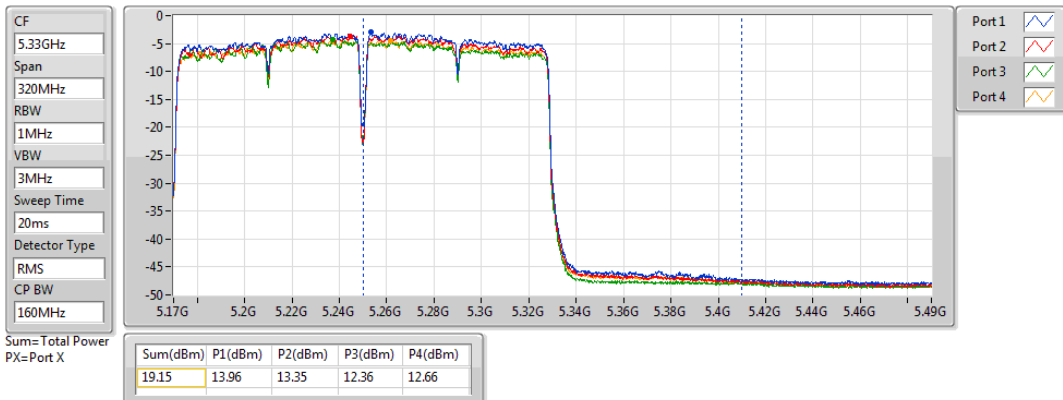


## 802.11ac VHT160-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5250MHz Straddle 5.25-5.35GHz

07/01/2020

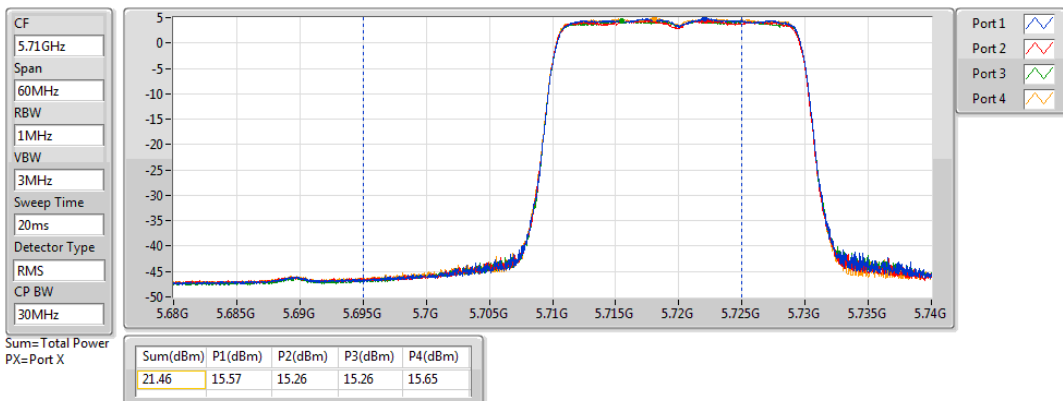


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5720MHz Straddle 5.47-5.725GHz

07/01/2020

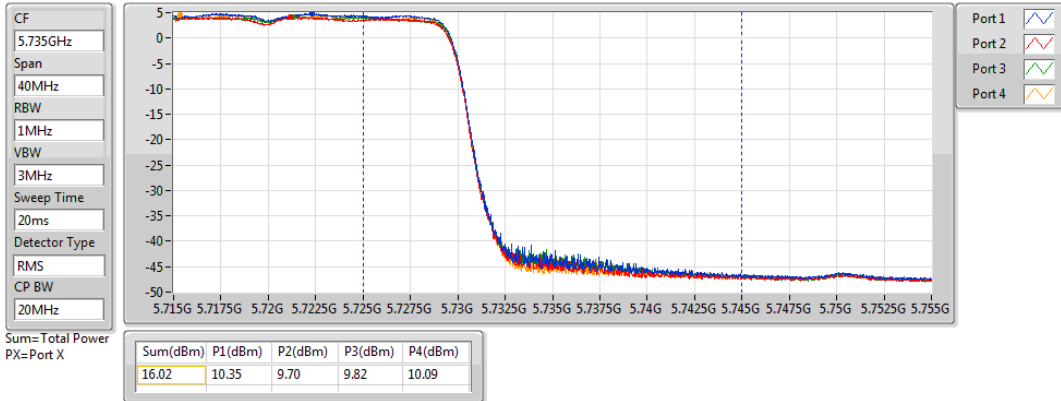


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5720MHz Straddle 5.725-5.85GHz

07/01/2020

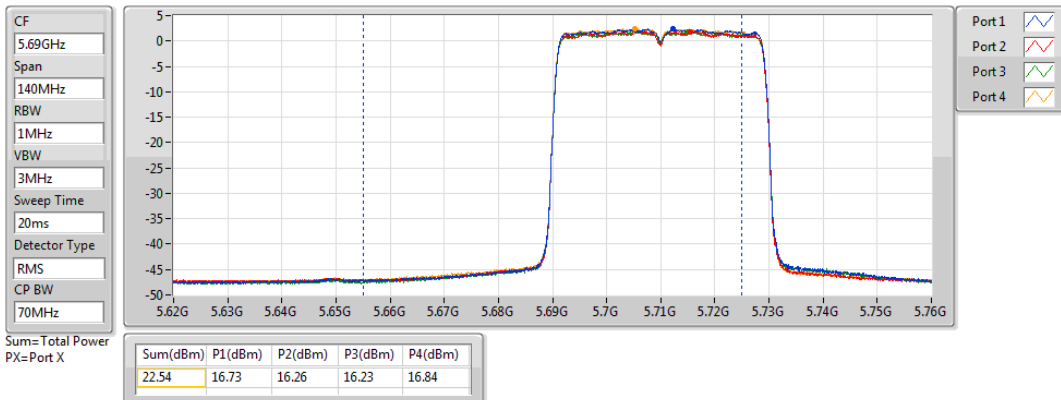


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5710MHz Straddle 5.47-5.725GHz

07/01/2020

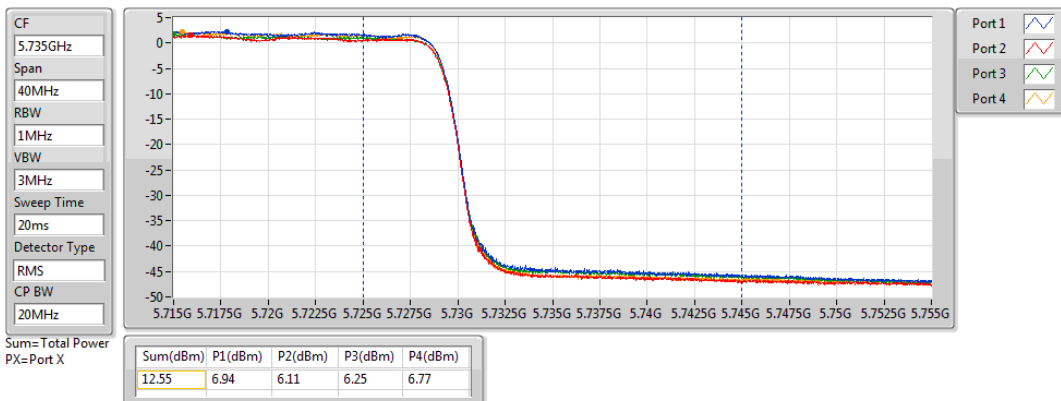


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5710MHz Straddle 5.725-5.85GHz

07/01/2020

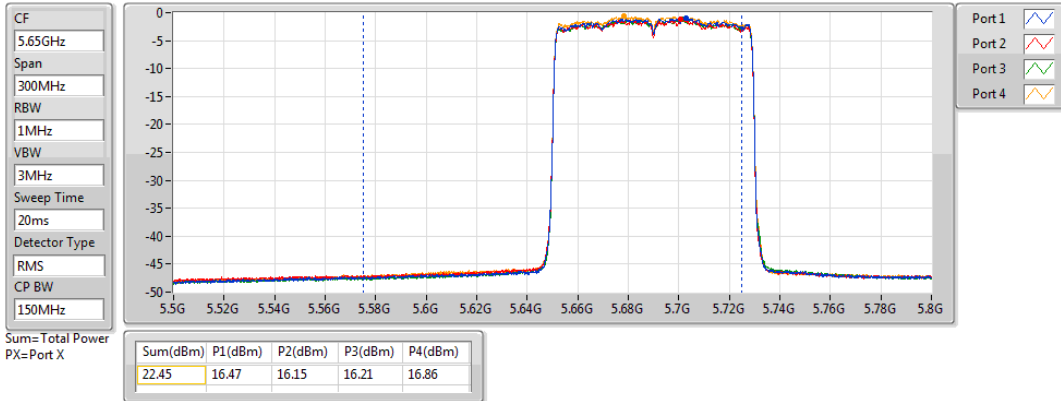


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5690MHz Straddle 5.47-5.725GHz

07/01/2020

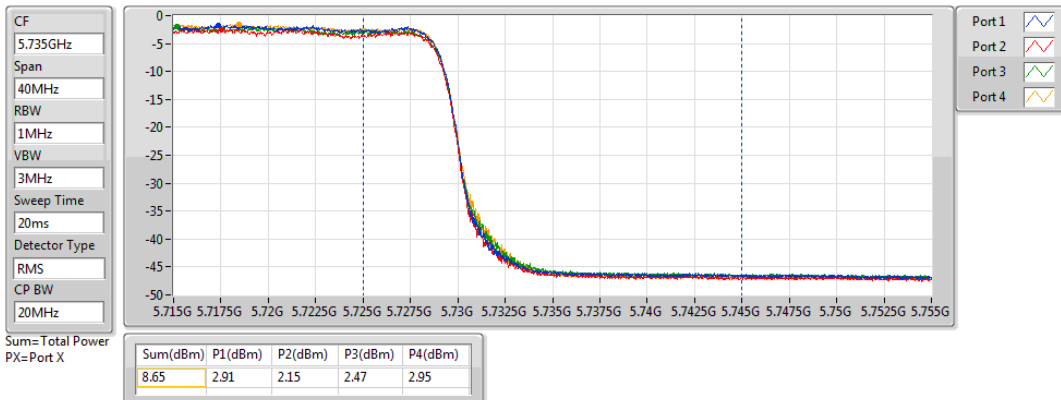


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5690MHz Straddle 5.725-5.85GHz

07/01/2020

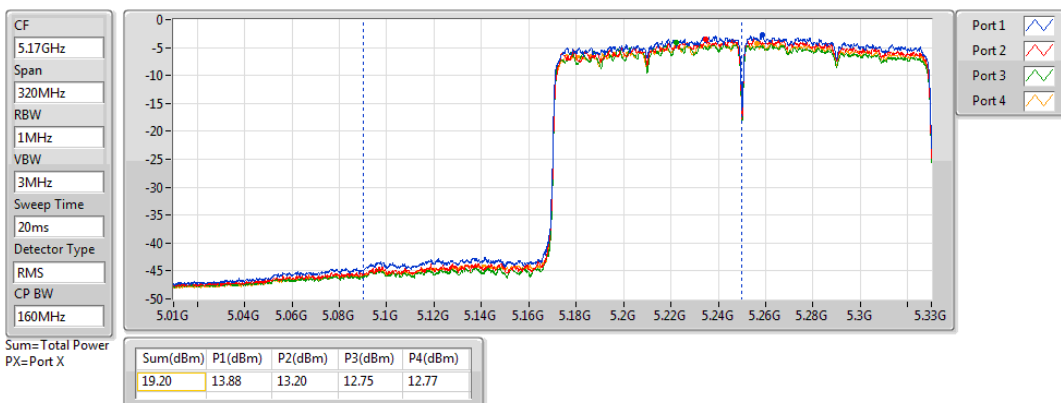


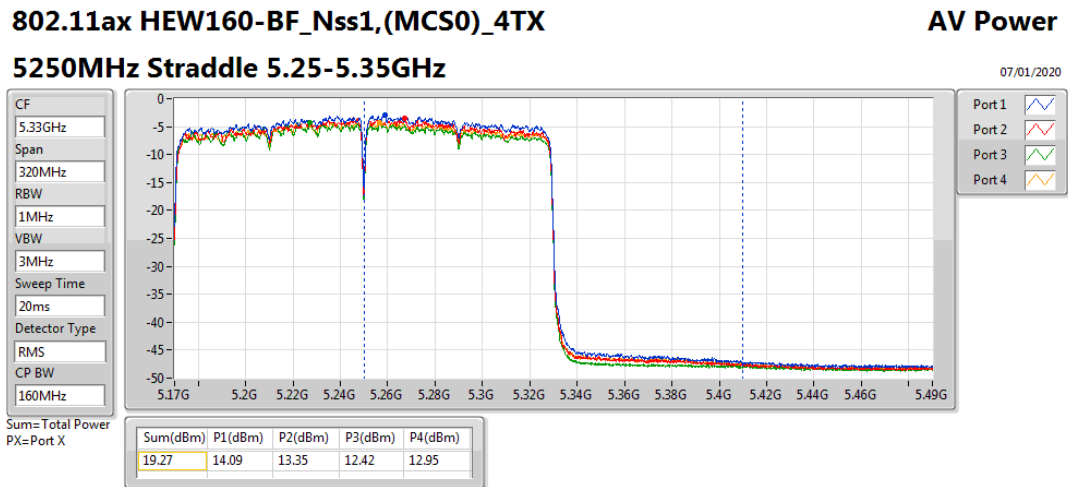
## 802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX

## AV Power

### 5250MHz Straddle 5.15-5.25GHz

07/01/2020





**Summary**

| Mode                               | PD<br>(dBm/RBW) |
|------------------------------------|-----------------|
| 5.15-5.25GHz                       | -               |
| 802.11ax HEW160_Nss1,(MCS0)_4TX    | 1.14            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 0.46            |
| 5.25-5.35GHz                       | -               |
| 802.11a_Nss1,(6Mbps)_4TX           | 9.93            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX     | 9.39            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX     | 6.51            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX     | 3.88            |
| 802.11ax HEW160_Nss1,(MCS0)_4TX    | 1.15            |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 8.67            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 5.54            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 2.02            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 0.52            |
| 5.47-5.725GHz                      | -               |
| 802.11a_Nss1,(6Mbps)_4TX           | 9.60            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX     | 9.57            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX     | 7.90            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX     | 4.84            |
| 802.11ax HEW160_Nss1,(MCS0)_4TX    | 2.25            |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 9.04            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 6.49            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 3.37            |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | 0.59            |
| 5.725-5.85GHz                      | -               |
| 802.11a_Nss1,(6Mbps)_4TX           | 7.41            |
| 802.11ax HEW20_Nss1,(MCS0)_4TX     | 7.98            |
| 802.11ax HEW40_Nss1,(MCS0)_4TX     | 5.68            |
| 802.11ax HEW80_Nss1,(MCS0)_4TX     | 2.09            |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX  | 7.10            |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | 4.45            |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | 0.66            |

**RBW** = 500 kHz 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          | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5260MHz                           | Pass   | 6.94        | 4.43                | 3.92                | 3.73                | 4.39                | 9.91            | 10.06                 |
| 5300MHz                           | Pass   | 6.94        | 4.30                | 3.83                | 3.57                | 4.28                | 9.85            | 10.06                 |
| 5320MHz                           | Pass   | 6.94        | 4.53                | 3.71                | 3.65                | 4.43                | 9.93            | 10.06                 |
| 5500MHz                           | Pass   | 7.39        | 3.90                | 3.42                | 3.43                | 4.11                | 9.57            | 9.61                  |
| 5580MHz                           | Pass   | 7.39        | 3.98                | 3.33                | 3.42                | 4.14                | 9.60            | 9.61                  |
| 5700MHz                           | Pass   | 7.39        | 3.87                | 3.18                | 3.25                | 3.69                | 9.39            | 9.61                  |
| 5720MHz Straddle 5.47-5.725GHz    | Pass   | 7.39        | 3.75                | 3.21                | 3.34                | 3.75                | 9.41            | 9.61                  |
| 5720MHz Straddle 5.725-5.85GHz    | Pass   | 7.39        | 1.72                | 1.09                | 1.13                | 1.85                | 7.41            | 28.61                 |
| 802.11ax HEW20_Nss1,(MCS0)_4TX    | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5260MHz                           | Pass   | 6.94        | 4.06                | 3.07                | 3.25                | 3.99                | 9.39            | 10.06                 |
| 5300MHz                           | Pass   | 6.94        | 3.76                | 3.18                | 3.02                | 3.77                | 9.27            | 10.06                 |
| 5320MHz                           | Pass   | 6.94        | 3.82                | 3.20                | 3.29                | 3.82                | 9.39            | 10.06                 |
| 5500MHz                           | Pass   | 7.39        | 3.73                | 3.35                | 3.31                | 3.81                | 9.41            | 9.61                  |
| 5580MHz                           | Pass   | 7.39        | 3.69                | 3.50                | 3.55                | 3.97                | 9.54            | 9.61                  |
| 5700MHz                           | Pass   | 7.39        | 2.33                | 1.77                | 1.76                | 1.94                | 7.81            | 9.61                  |
| 5720MHz Straddle 5.47-5.725GHz    | Pass   | 7.39        | 3.95                | 3.44                | 3.35                | 4.00                | 9.57            | 9.61                  |
| 5720MHz Straddle 5.725-5.85GHz    | Pass   | 7.39        | 2.44                | 1.63                | 1.64                | 2.47                | 7.98            | 28.61                 |
| 802.11ax HEW40_Nss1,(MCS0)_4TX    | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5270MHz                           | Pass   | 6.94        | 1.24                | 0.54                | 0.11                | 1.06                | 6.51            | 10.06                 |
| 5310MHz                           | Pass   | 6.94        | 1.07                | 0.70                | 0.31                | 0.49                | 6.49            | 10.06                 |
| 5510MHz                           | Pass   | 7.39        | 1.12                | 0.67                | 0.66                | 1.11                | 6.72            | 9.61                  |
| 5550MHz                           | Pass   | 7.39        | 1.03                | 0.43                | 0.64                | 1.03                | 6.59            | 9.61                  |
| 5670MHz                           | Pass   | 7.39        | 1.16                | 0.44                | 0.57                | 1.23                | 6.72            | 9.61                  |
| 5710MHz Straddle 5.47-5.725GHz    | Pass   | 7.39        | 2.41                | 1.79                | 1.66                | 2.41                | 7.90            | 9.61                  |
| 5710MHz Straddle 5.725-5.85GHz    | Pass   | 7.39        | 0.16                | -0.97               | -0.58               | 0.10                | 5.68            | 28.61                 |
| 802.11ax HEW80_Nss1,(MCS0)_4TX    | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5290MHz                           | Pass   | 6.94        | -1.44               | -2.12               | -2.46               | -1.79               | 3.88            | 10.06                 |
| 5530MHz                           | Pass   | 7.39        | -1.64               | -2.26               | -1.96               | -1.24               | 4.05            | 9.61                  |
| 5610MHz                           | Pass   | 7.39        | -0.88               | -1.38               | -1.43               | -0.54               | 4.84            | 9.61                  |
| 5690MHz Straddle 5.47-5.725GHz    | Pass   | 7.39        | -1.04               | -1.51               | -1.50               | -0.73               | 4.73            | 9.61                  |
| 5690MHz Straddle 5.725-5.85GHz    | Pass   | 7.39        | -3.27               | -4.43               | -4.27               | -3.70               | 2.09            | 28.61                 |
| 802.11ax HEW160_Nss1,(MCS0)_4TX   | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5250MHz Straddle 5.15-5.25GHz     | Pass   | 7.36        | -3.73               | -4.33               | -5.11               | -5.23               | 1.14            | 15.64                 |
| 5250MHz Straddle 5.25-5.35GHz     | Pass   | 6.94        | -3.56               | -4.64               | -5.33               | -5.15               | 1.15            | 10.06                 |
| 5570MHz                           | Pass   | 7.39        | -3.24               | -3.49               | -4.10               | -3.47               | 2.25            | 9.61                  |
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5260MHz                           | Pass   | 6.94        | 3.31                | 2.37                | 2.57                | 3.17                | 8.67            | 10.06                 |
| 5300MHz                           | Pass   | 6.94        | 3.01                | 2.44                | 2.35                | 3.02                | 8.53            | 10.06                 |
| 5320MHz                           | Pass   | 6.94        | 2.94                | 2.31                | 2.32                | 2.86                | 8.42            | 10.06                 |
| 5500MHz                           | Pass   | 7.39        | 2.45                | 2.15                | 2.28                | 2.62                | 8.25            | 9.61                  |
| 5580MHz                           | Pass   | 7.39        | 2.49                | 2.14                | 2.16                | 2.51                | 8.18            | 9.61                  |
| 5700MHz                           | Pass   | 7.39        | 2.81                | 2.42                | 2.36                | 2.52                | 8.37            | 9.61                  |
| 5720MHz Straddle 5.47-5.725GHz    | Pass   | 7.39        | 3.41                | 3.09                | 2.78                | 3.28                | 9.04            | 9.61                  |

| 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) |
|------------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|
| 5720MHz Straddle 5.725-5.85GHz     | Pass   | 7.38        | 1.56                | 0.81                | 1.12                | 1.37                | 7.10            | 28.62                 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX  | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5270MHz                            | Pass   | 6.94        | 0.05                | -0.41               | -0.77               | 0.01                | 5.54            | 10.06                 |
| 5310MHz                            | Pass   | 6.94        | 0.07                | -0.37               | -0.85               | 0.02                | 5.54            | 10.06                 |
| 5510MHz                            | Pass   | 7.39        | -0.54               | -1.04               | -1.07               | -0.58               | 5.08            | 9.61                  |
| 5550MHz                            | Pass   | 7.39        | -0.36               | -0.81               | -0.84               | -0.38               | 5.18            | 9.61                  |
| 5670MHz                            | Pass   | 7.39        | -0.22               | -0.91               | -0.80               | -0.34               | 5.27            | 9.61                  |
| 5710MHz Straddle 5.47-5.725GHz     | Pass   | 7.39        | 0.89                | 0.41                | 0.32                | 0.99                | 6.49            | 9.61                  |
| 5710MHz Straddle 5.725-5.85GHz     | Pass   | 7.39        | -1.06               | -2.14               | -1.75               | -1.16               | 4.45            | 28.61                 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX  | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5290MHz                            | Pass   | 6.94        | -3.35               | -3.99               | -4.29               | -3.53               | 2.02            | 10.06                 |
| 5530MHz                            | Pass   | 7.39        | -3.09               | -3.86               | -3.91               | -3.30               | 2.41            | 9.61                  |
| 5610MHz                            | Pass   | 7.39        | -2.47               | -2.86               | -3.03               | -1.93               | 3.32            | 9.61                  |
| 5690MHz Straddle 5.47-5.725GHz     | Pass   | 7.39        | -2.46               | -2.68               | -2.82               | -2.15               | 3.37            | 9.61                  |
| 5690MHz Straddle 5.725-5.85GHz     | Pass   | 7.39        | -4.76               | -5.76               | -5.57               | -4.99               | 0.66            | 28.61                 |
| 802.11ax HEW160-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     |
| 5250MHz Straddle 5.15-5.25GHz      | Pass   | 7.36        | -4.35               | -4.89               | -5.80               | -5.77               | 0.46            | 15.64                 |
| 5250MHz Straddle 5.25-5.35GHz      | Pass   | 6.94        | -4.24               | -5.07               | -6.22               | -5.70               | 0.52            | 10.06                 |
| 5570MHz                            | Pass   | 7.39        | -4.56               | -5.39               | -5.77               | -5.39               | 0.59            | 9.61                  |

**DG** = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

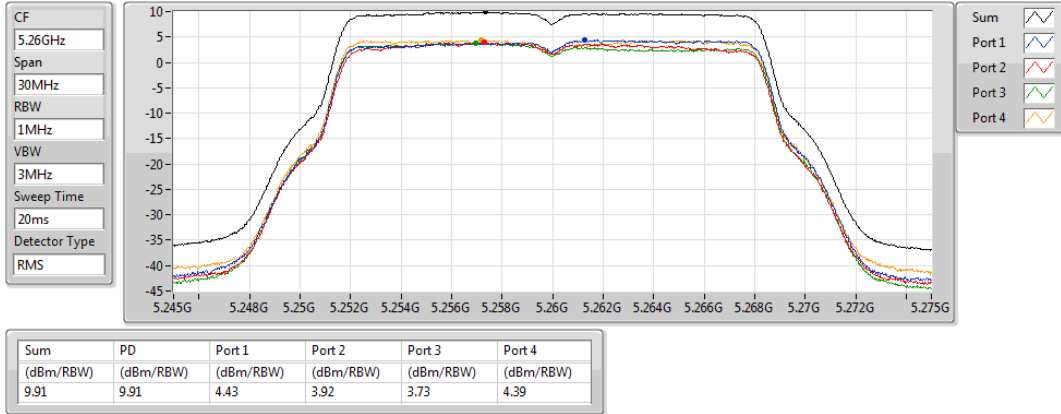
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

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

PSD

5260MHz

04/01/2020

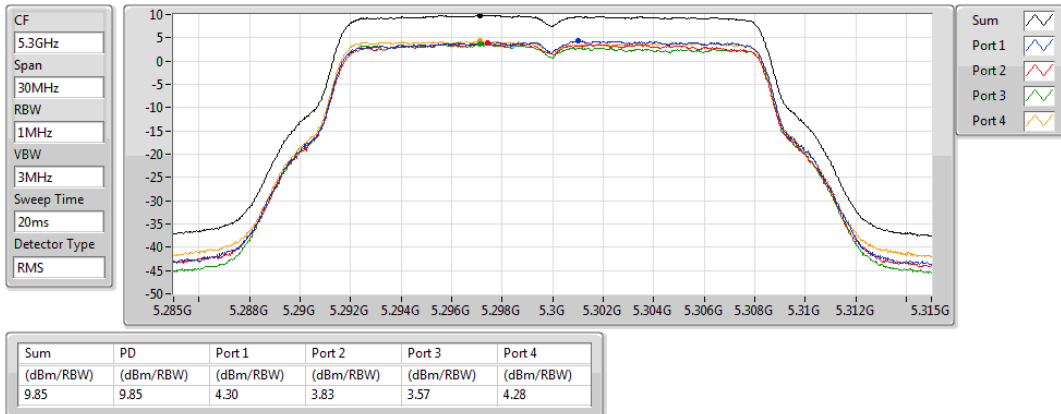


### 802.11a\_Nss1,(6Mbps)\_4TX

PSD

5300MHz

04/01/2020

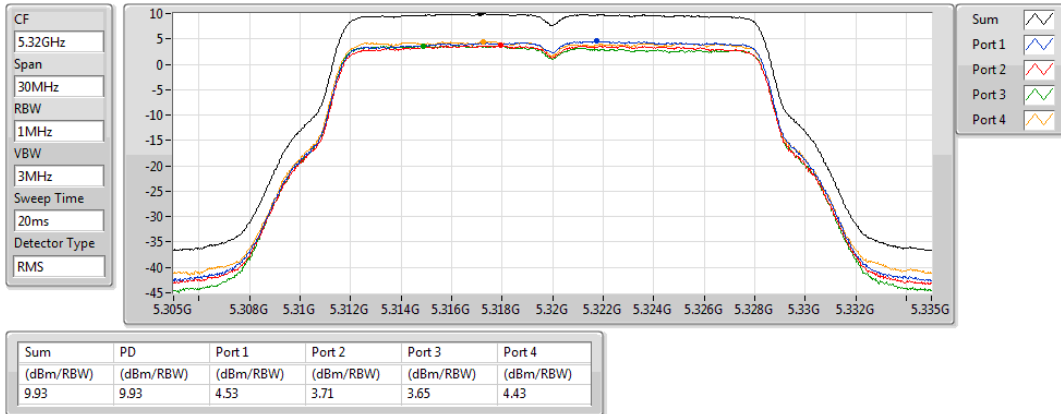


### 802.11a\_Nss1,(6Mbps)\_4TX

PSD

5320MHz

04/01/2020

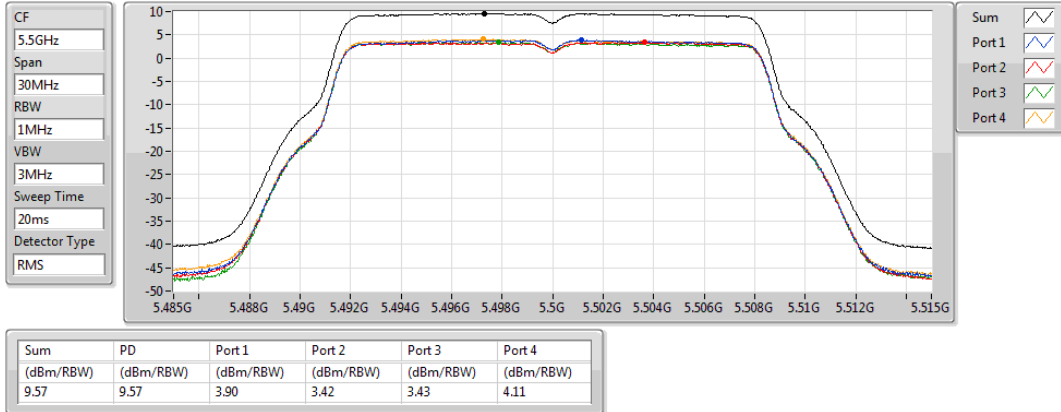


## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5500MHz

04/01/2020

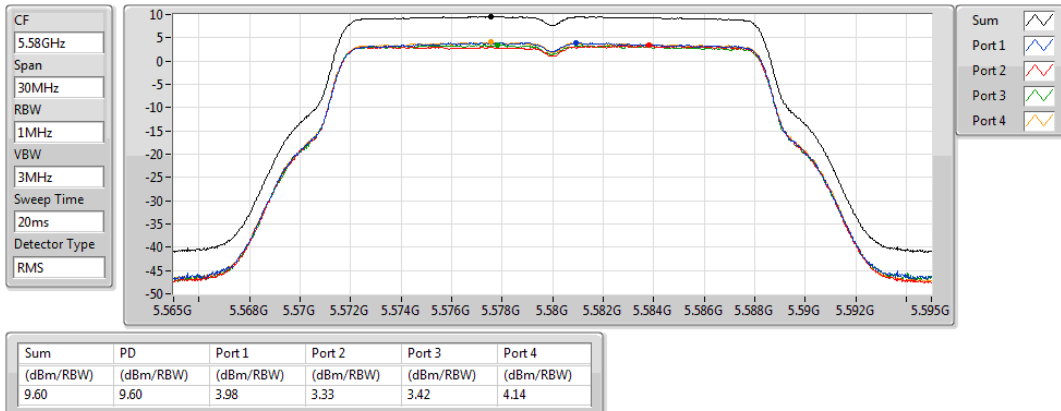


## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5580MHz

04/01/2020

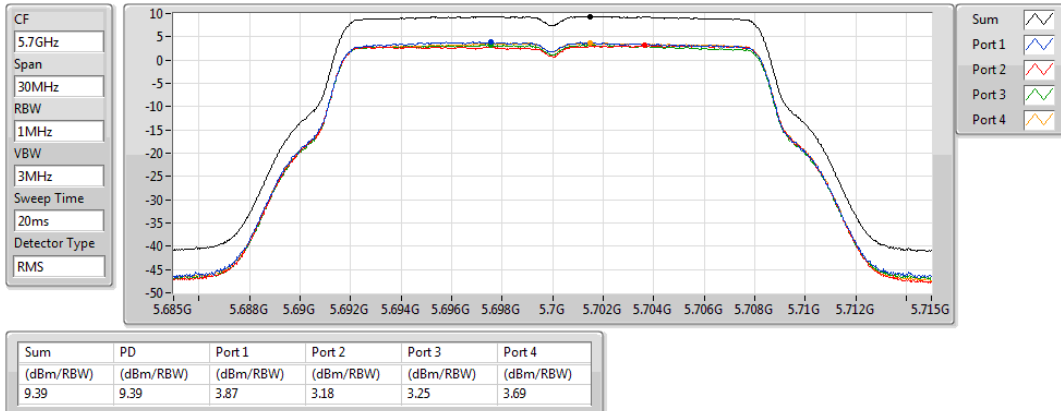


## 802.11a\_Nss1,(6Mbps)\_4TX

## PSD

5700MHz

04/01/2020

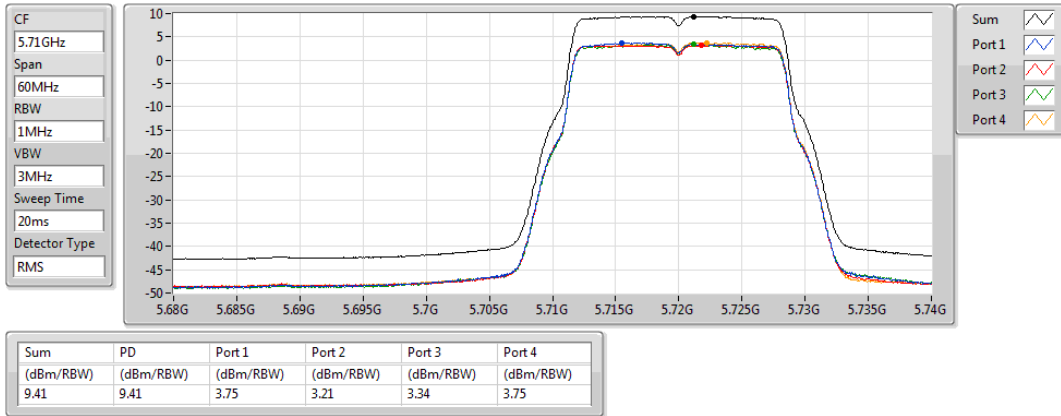


### 802.11a\_Nss1,(6Mbps)\_4TX

#### 5720MHz Straddle 5.47-5.725GHz

PSD

07/01/2020

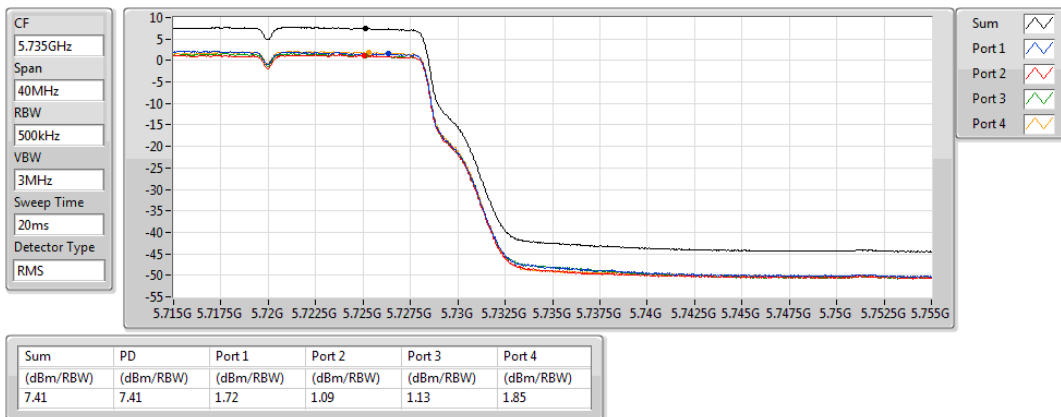


### 802.11a\_Nss1,(6Mbps)\_4TX

#### 5720MHz Straddle 5.725-5.85GHz

PSD

07/01/2020

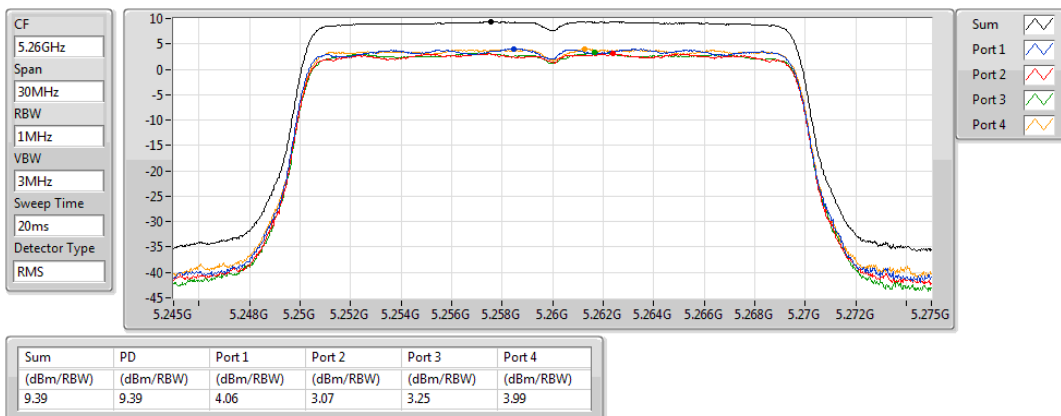


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

#### 5260MHz

PSD

04/01/2020

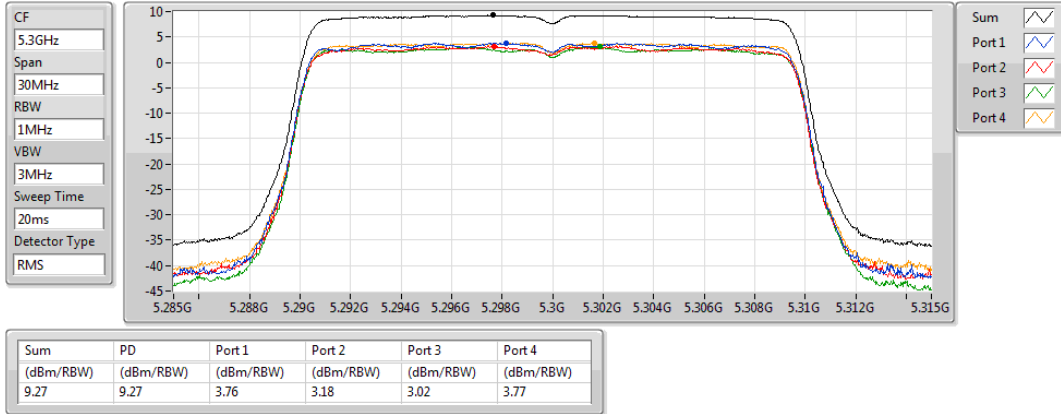


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

PSD

5300MHz

04/01/2020

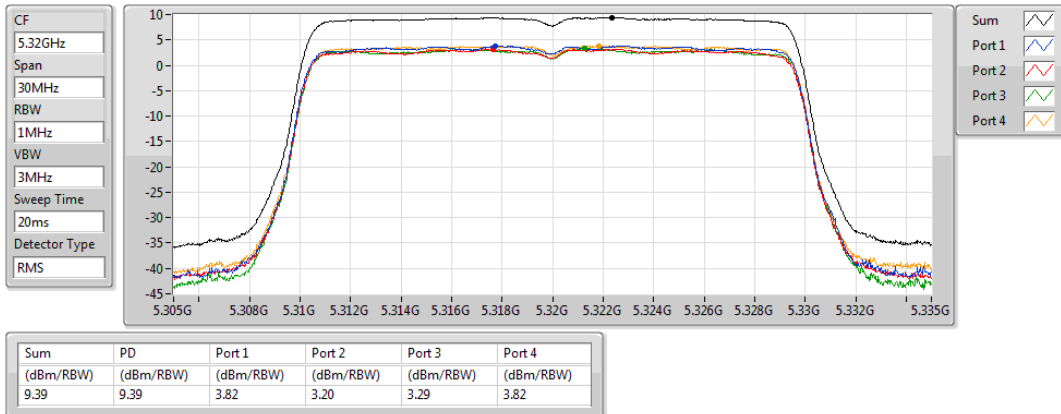


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

PSD

5320MHz

04/01/2020

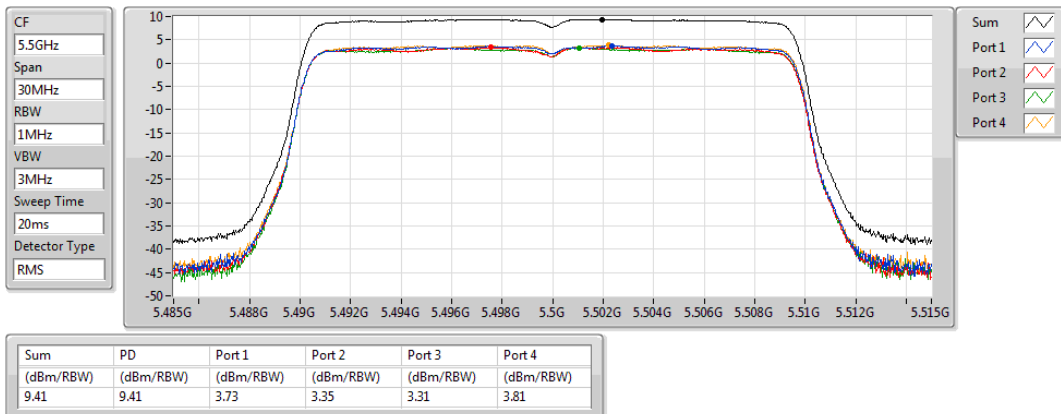


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

PSD

5500MHz

04/01/2020

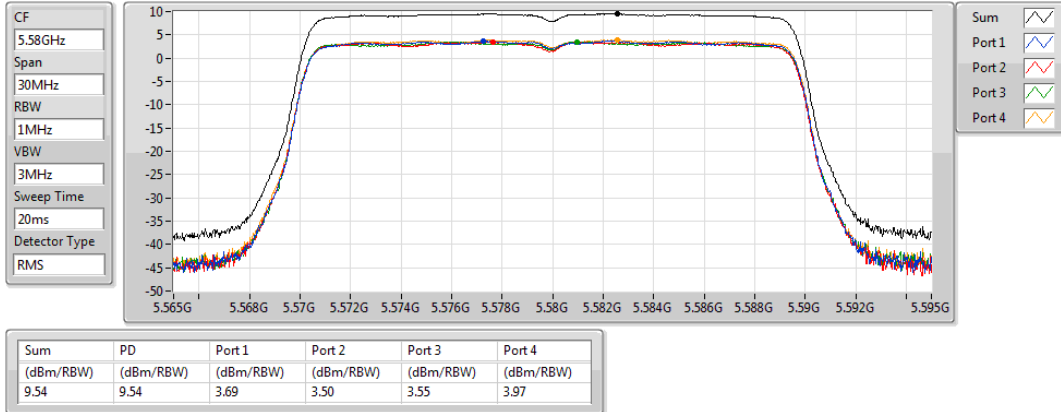


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

PSD

5580MHz

04/01/2020

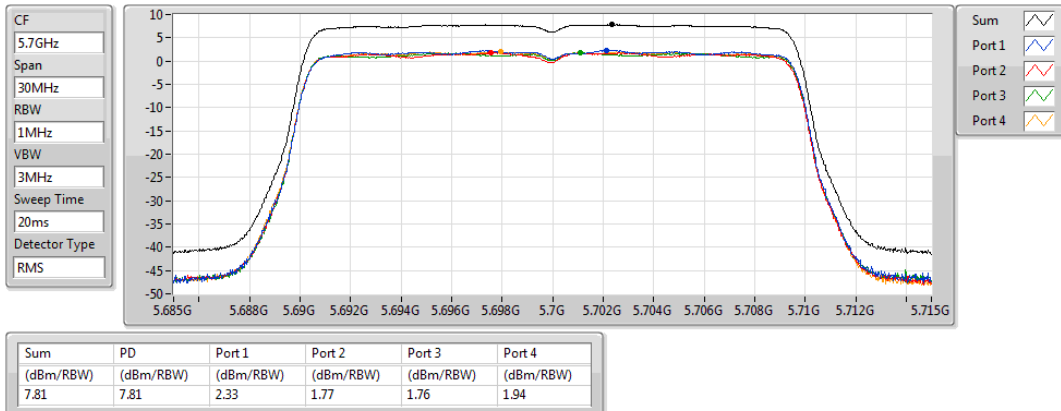


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

PSD

5700MHz

04/01/2020

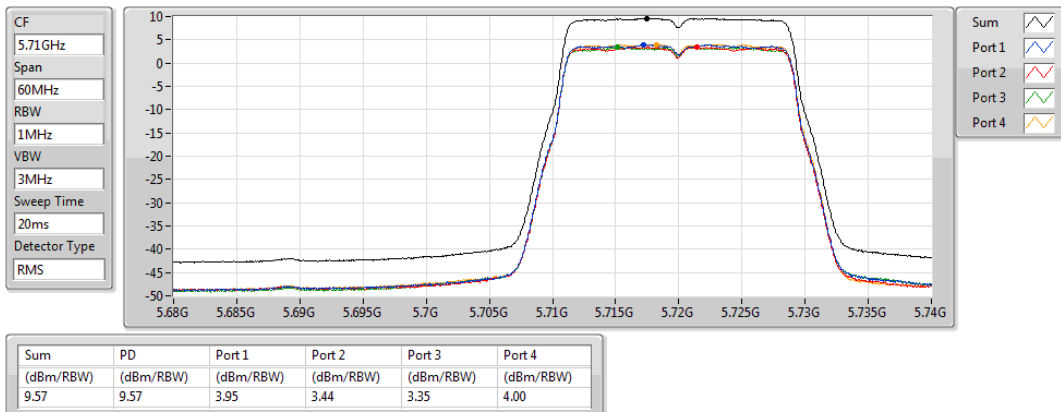


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

07/01/2020

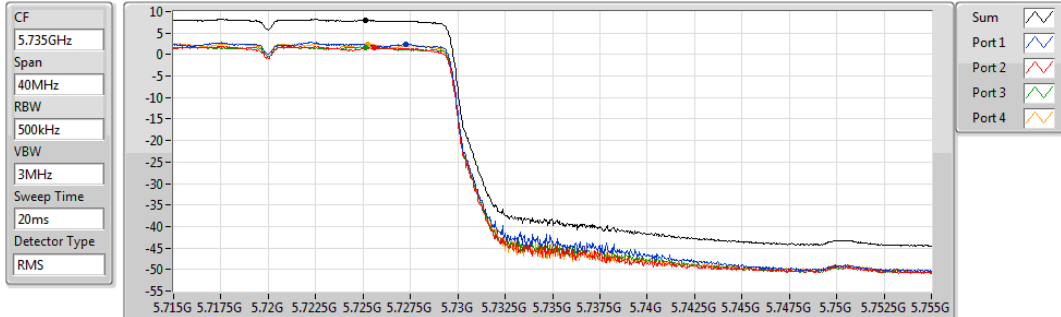


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

## PSD

5720MHz Straddle 5.725-5.85GHz

07/01/2020



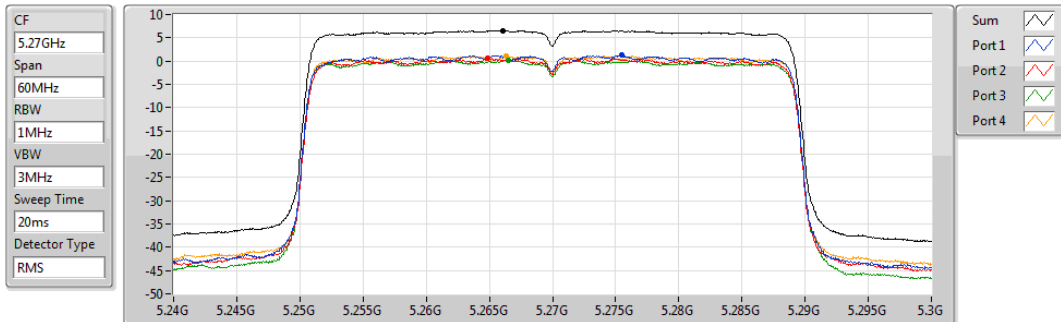
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 7.98     | 7.98     | 2.44     | 1.63     | 1.64     | 2.47     |

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

## PSD

5270MHz

04/01/2020



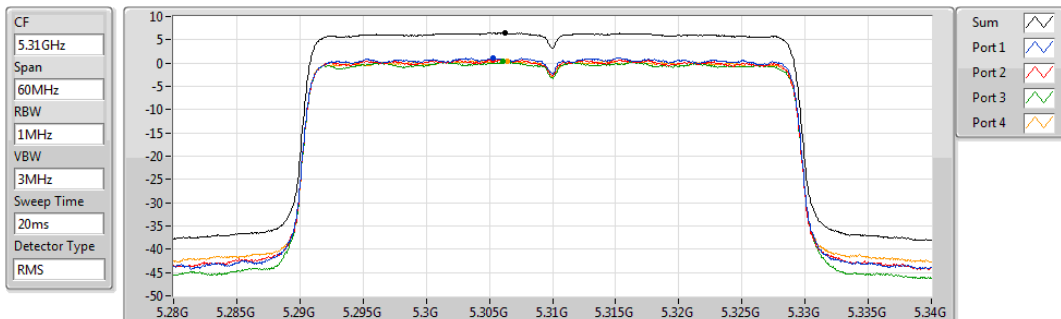
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 6.51     | 6.51     | 1.24     | 0.54     | 0.11     | 1.06     |

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

## PSD

5310MHz

04/01/2020



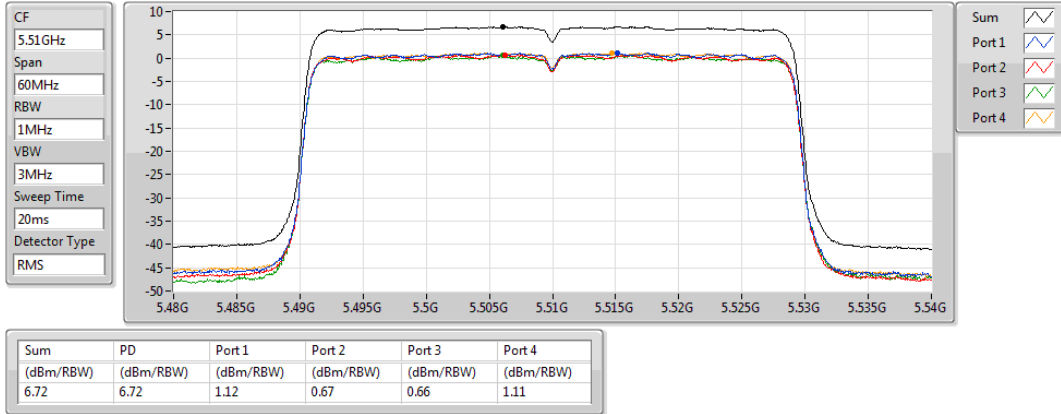
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 6.49     | 6.49     | 1.07     | 0.70     | 0.31     | 0.49     |

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

PSD

5510MHz

04/01/2020

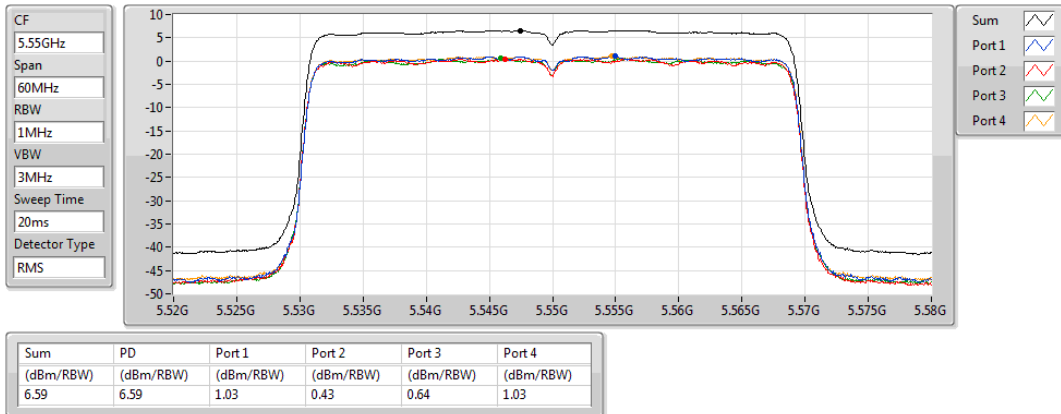


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

PSD

5550MHz

04/01/2020

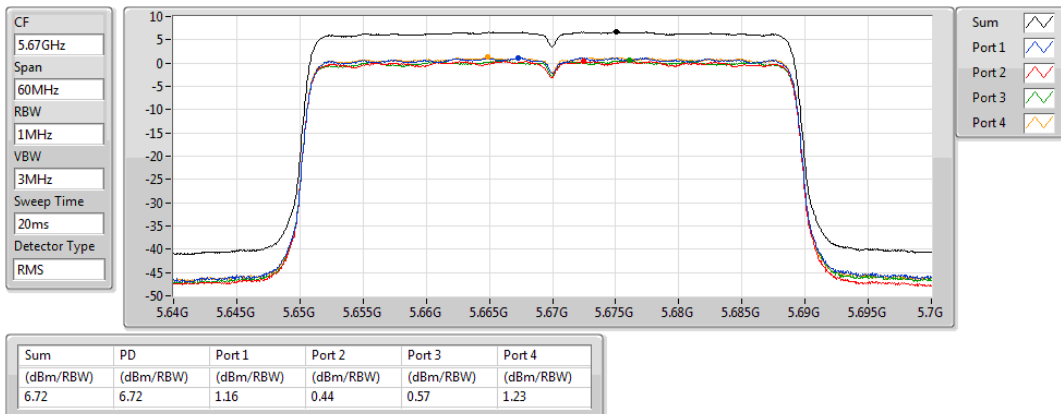


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

PSD

5670MHz

04/01/2020

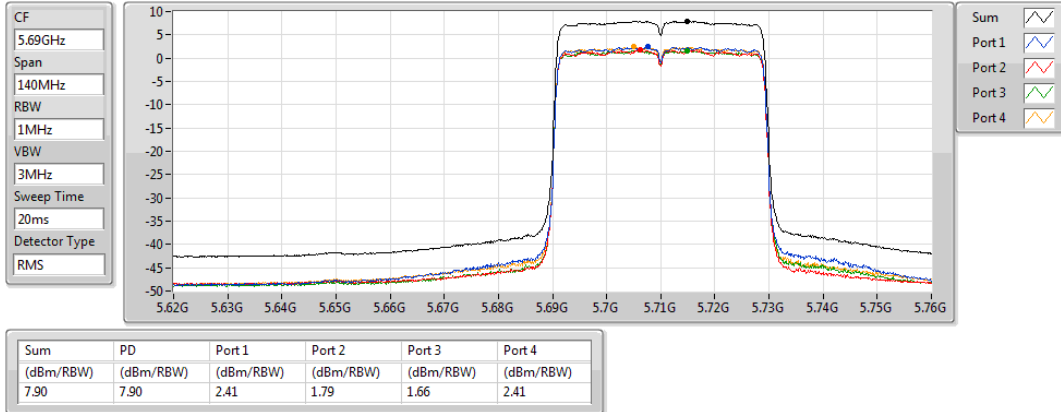


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

PSD

## 5710MHz Straddle 5.47-5.725GHz

07/01/2020

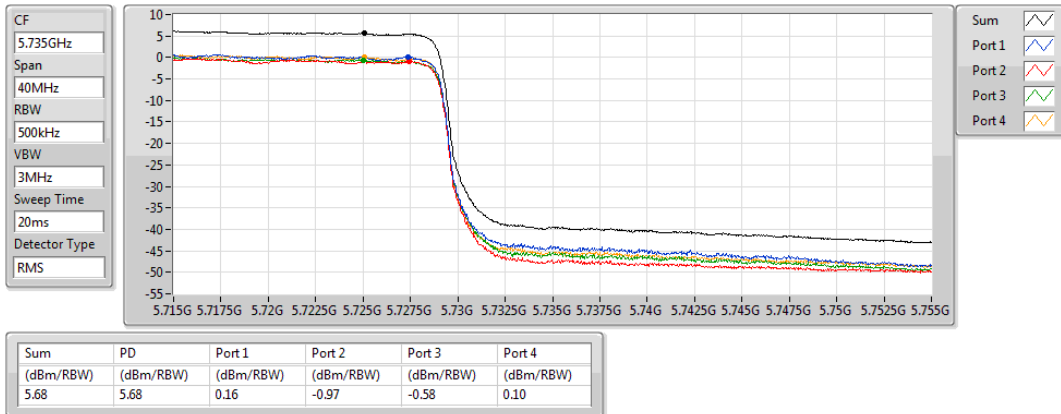


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

PSD

## 5710MHz Straddle 5.725-5.85GHz

07/01/2020

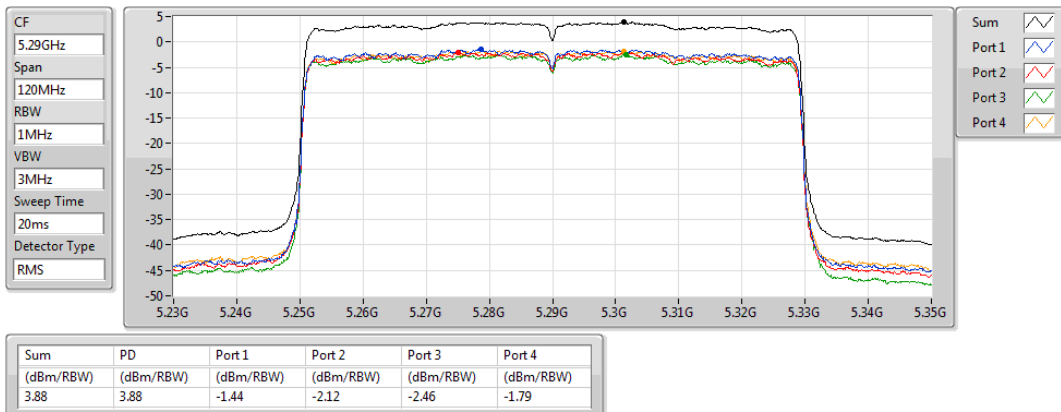


## 802.11ax HEW80\_Nss1,(MCS0)\_4TX

PSD

## 5290MHz

04/01/2020

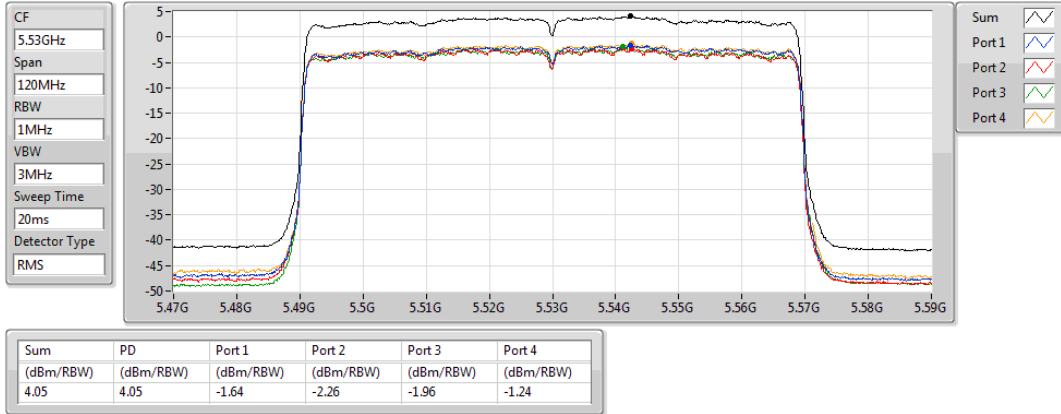


## 802.11ax HEW80\_Nss1,(MCS0)\_4TX

PSD

5530MHz

04/01/2020

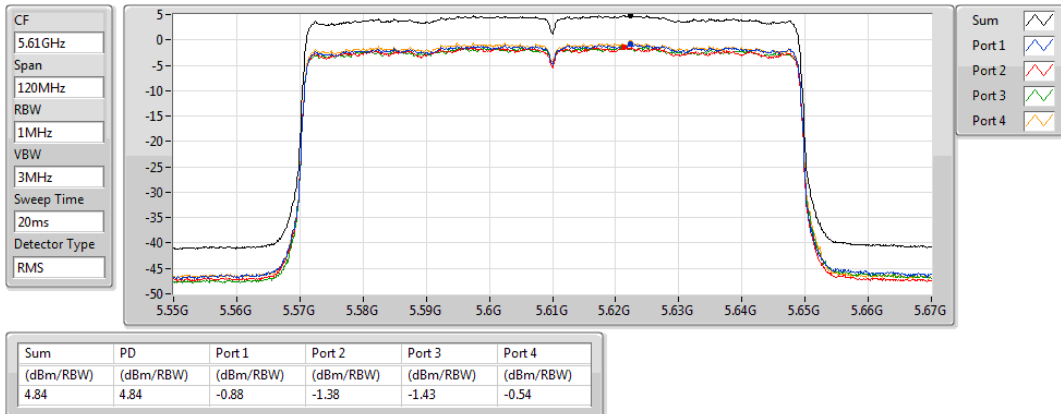


## 802.11ax HEW80\_Nss1,(MCS0)\_4TX

PSD

5610MHz

07/01/2020

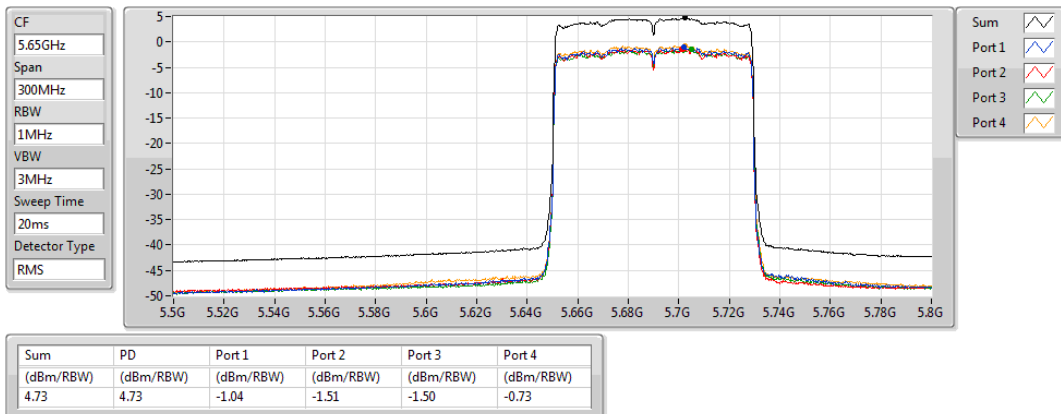


## 802.11ax HEW80\_Nss1,(MCS0)\_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

07/01/2020

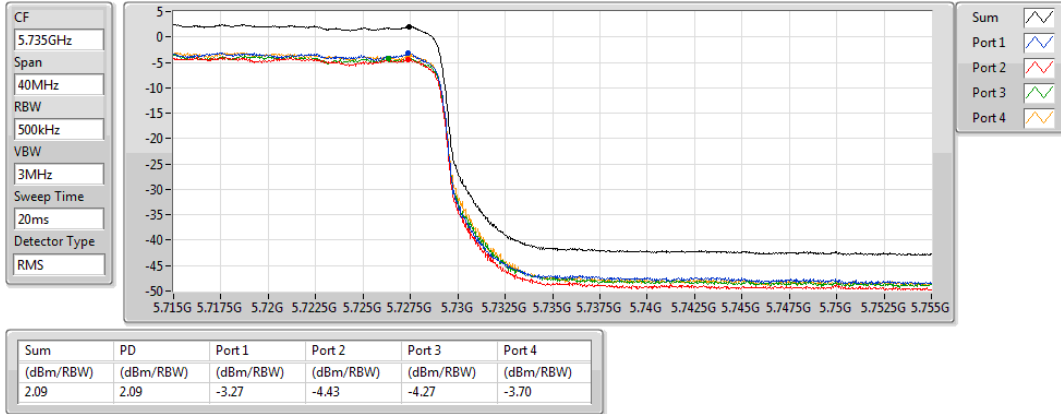


### 802.11ax HEW80\_Nss1,(MCS0)\_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

07/01/2020

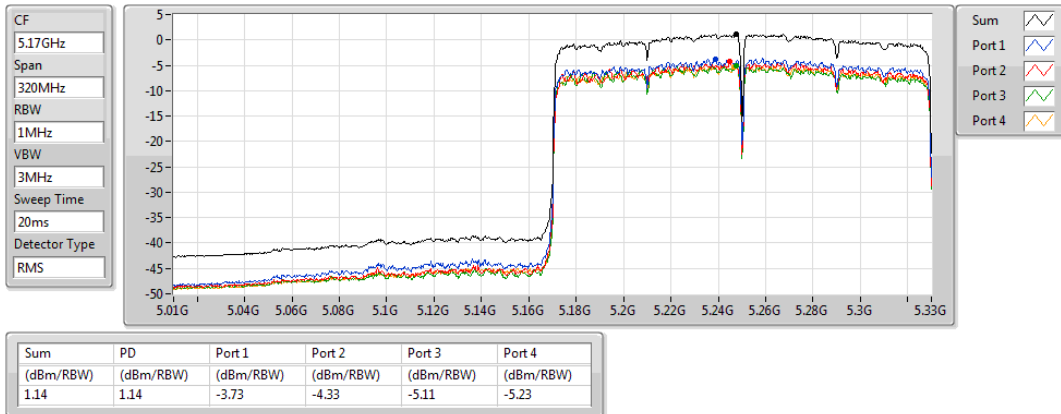


### 802.11ax HEW160\_Nss1,(MCS0)\_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

07/01/2020

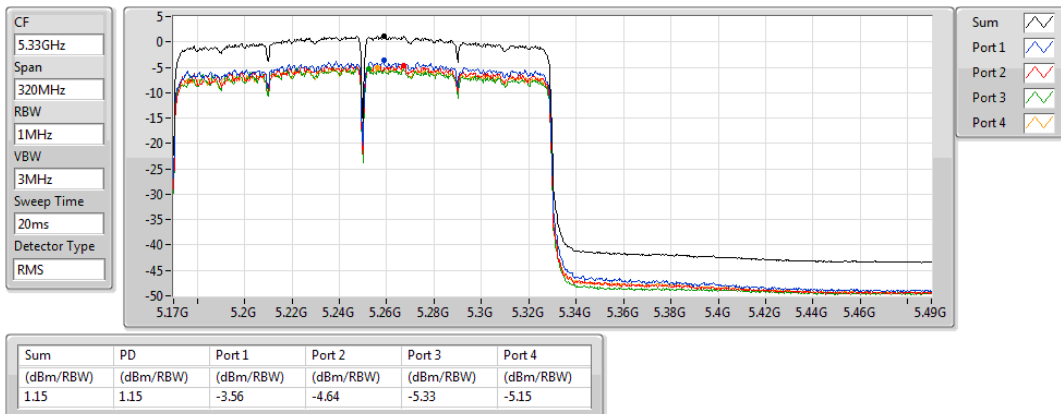


### 802.11ax HEW160\_Nss1,(MCS0)\_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

07/01/2020

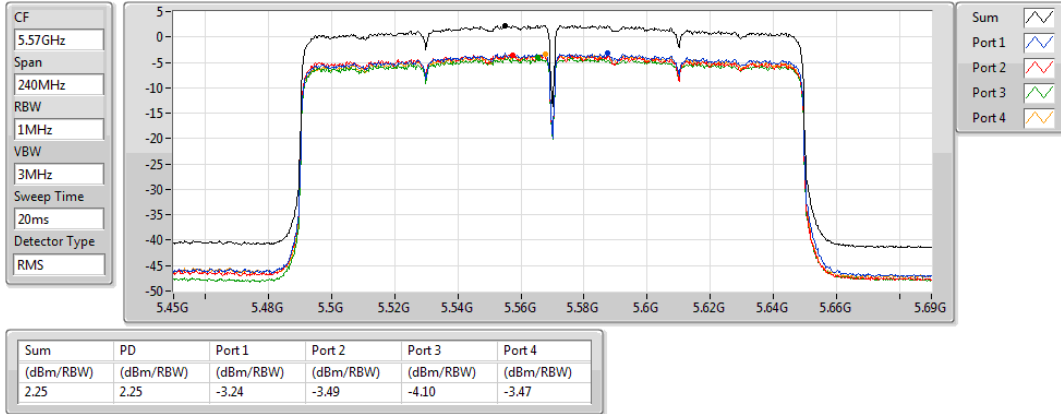


## 802.11ax HEW160\_Nss1,(MCS0)\_4TX

PSD

5570MHz

07/01/2020

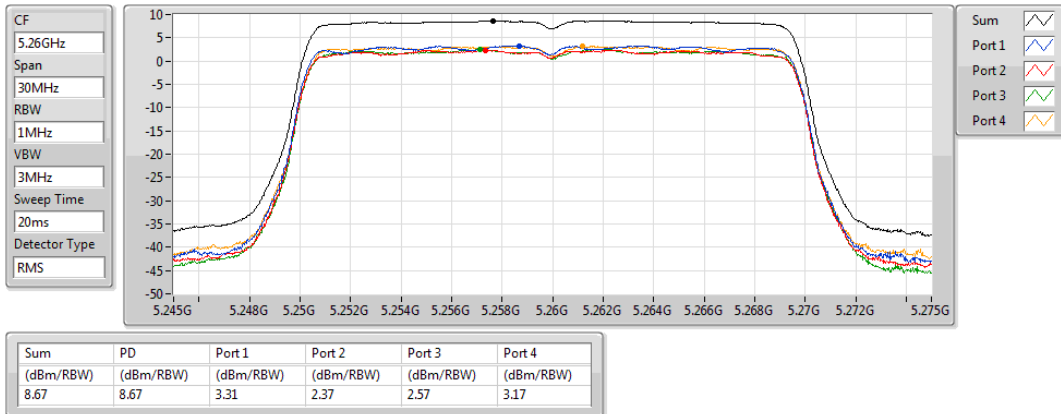


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

PSD

5260MHz

04/01/2020

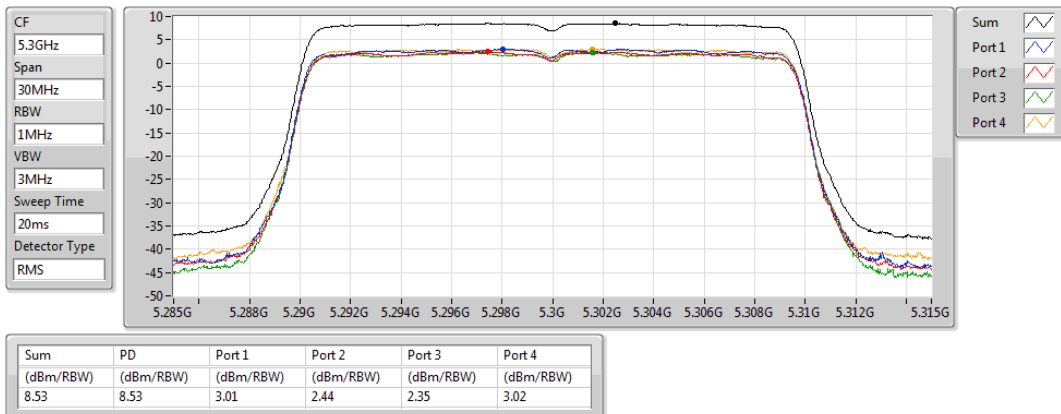


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

PSD

5300MHz

04/01/2020

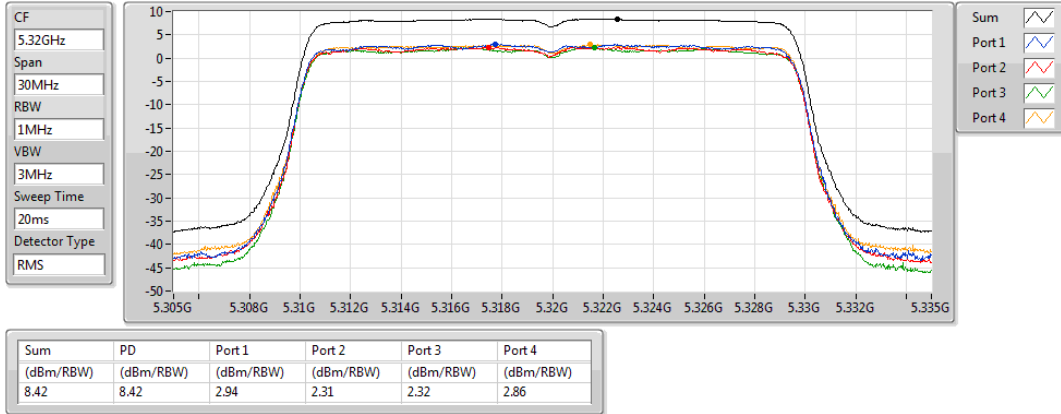


### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

PSD

5320MHz

04/01/2020

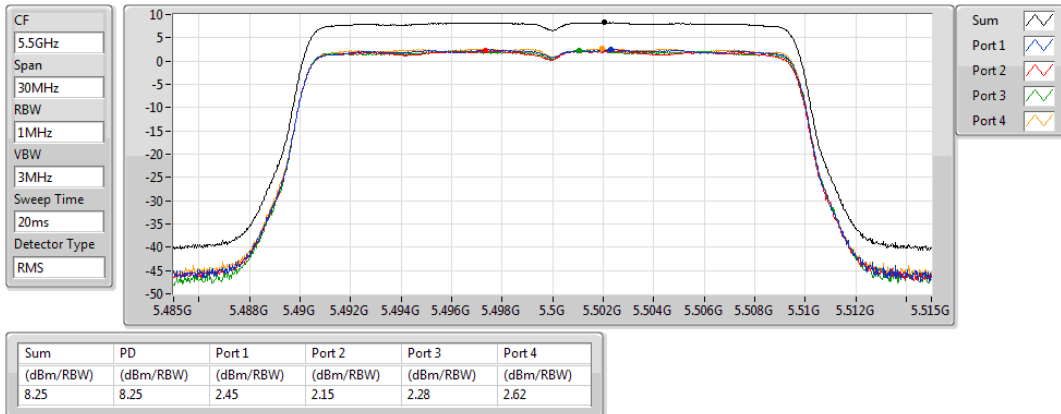


### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

PSD

5500MHz

04/01/2020

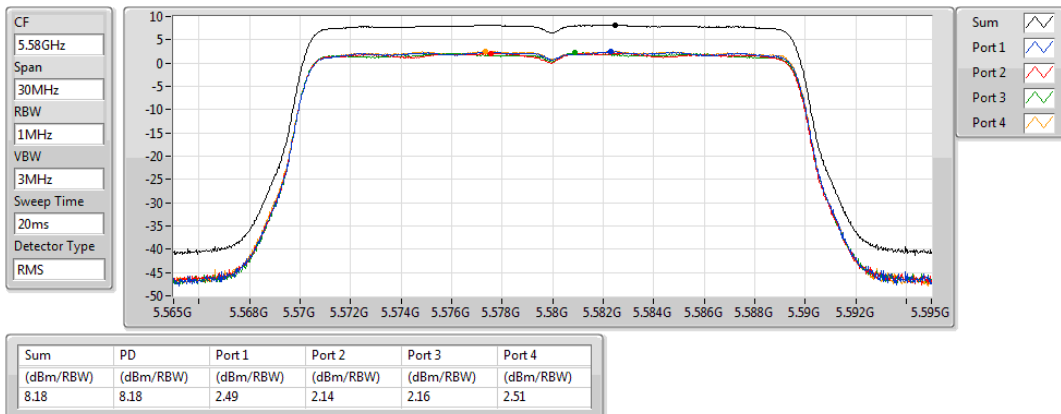


### 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

PSD

5580MHz

04/01/2020

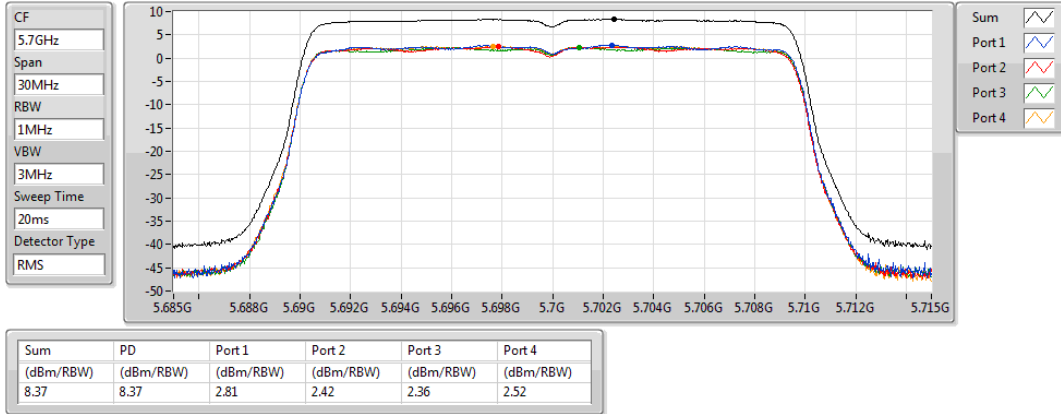


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5700MHz

04/01/2020

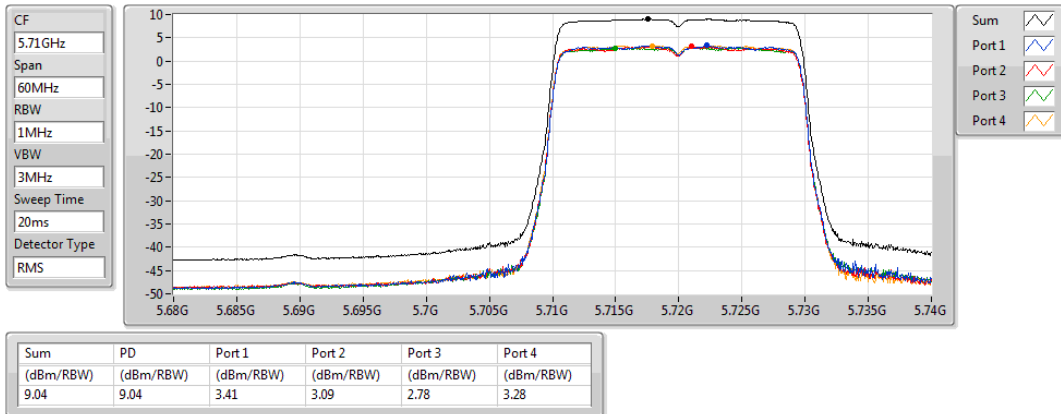


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5720MHz Straddle 5.47-5.725GHz

07/01/2020

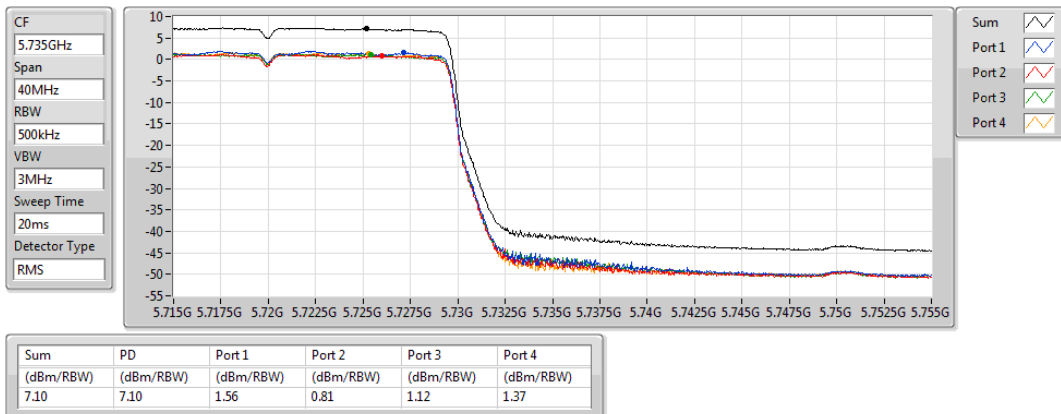


## 802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

## PSD

5720MHz Straddle 5.725-5.85GHz

07/01/2020

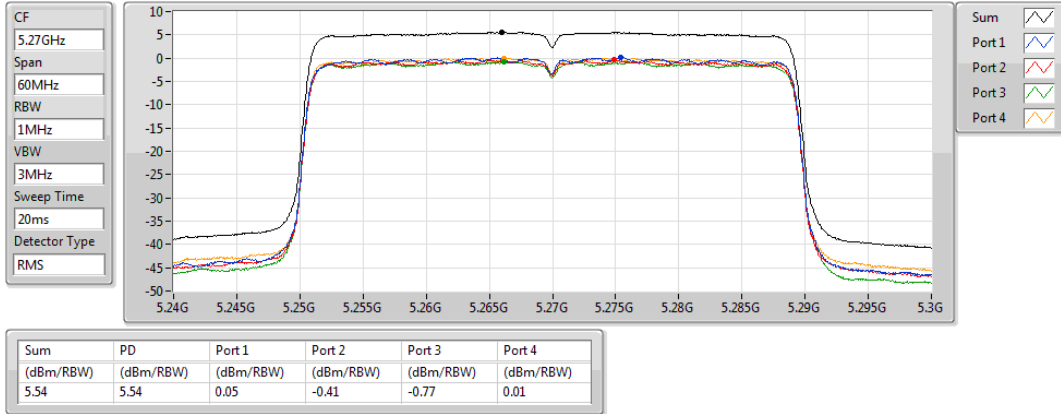


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

PSD

5270MHz

04/01/2020

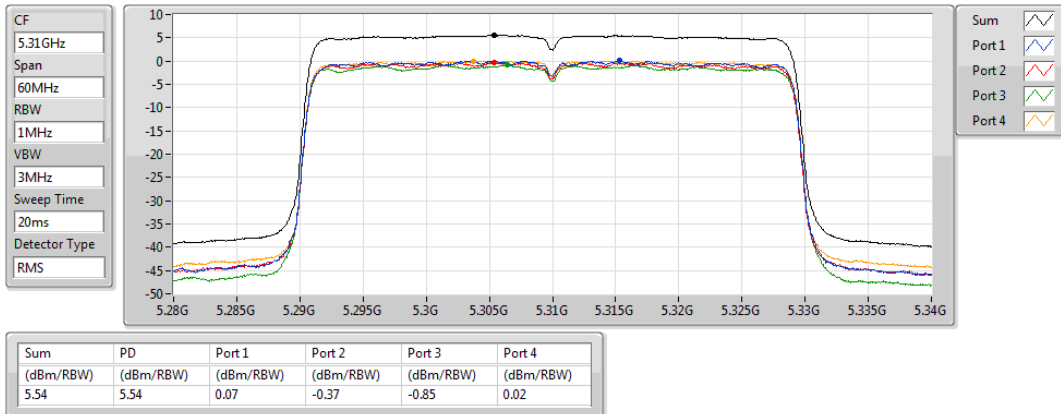


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

PSD

5310MHz

04/01/2020

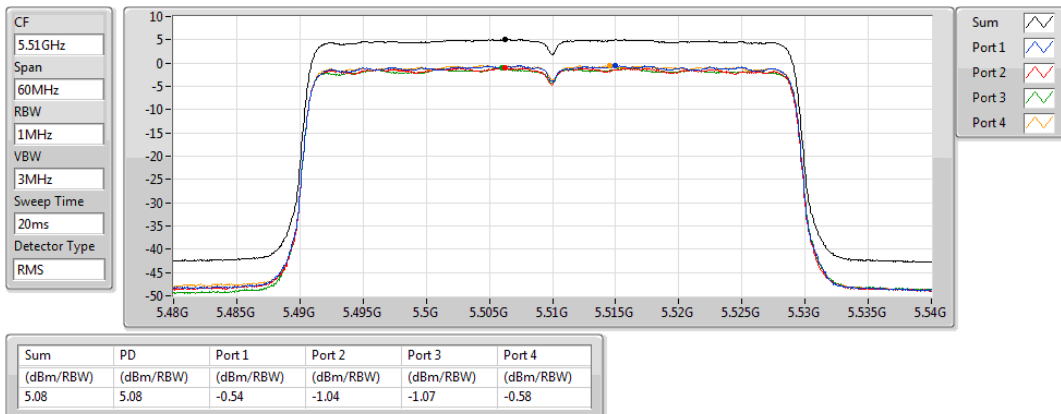


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

PSD

5510MHz

04/01/2020

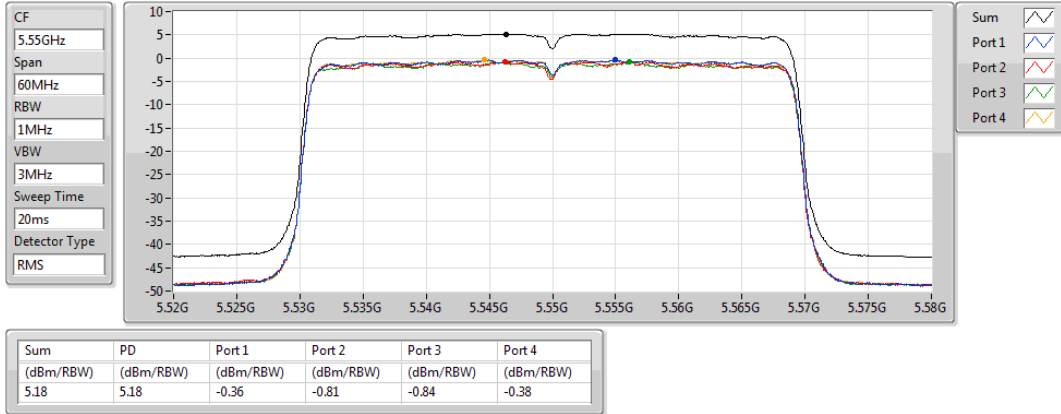


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

PSD

5550MHz

04/01/2020

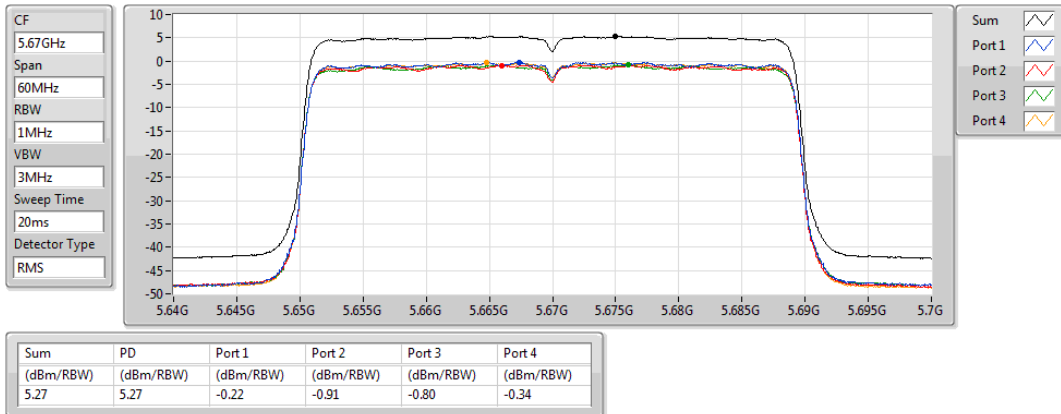


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

PSD

5670MHz

04/01/2020

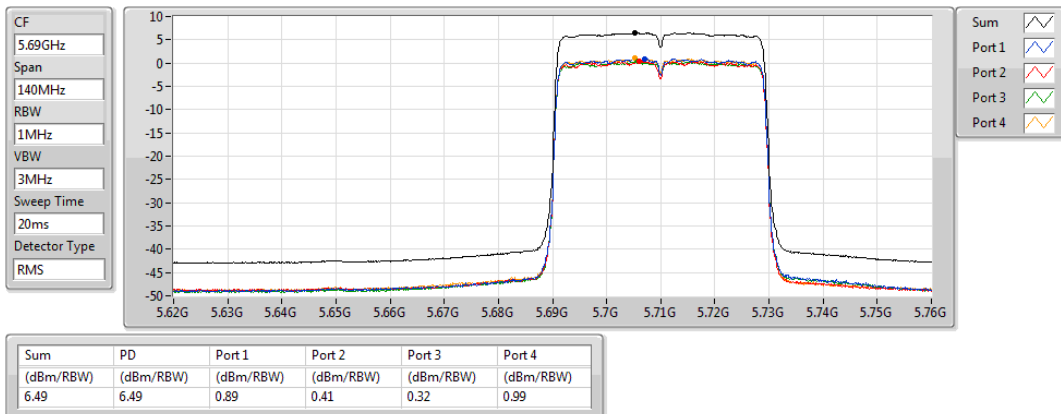


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

07/01/2020

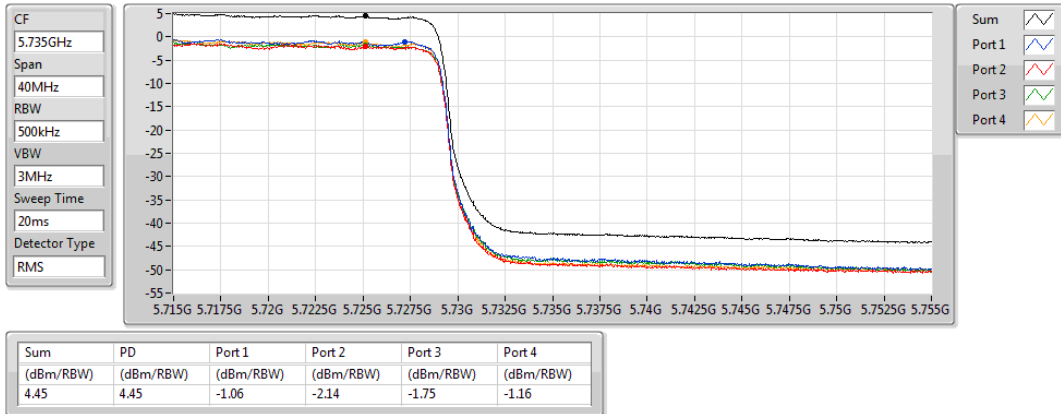


## 802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

07/01/2020

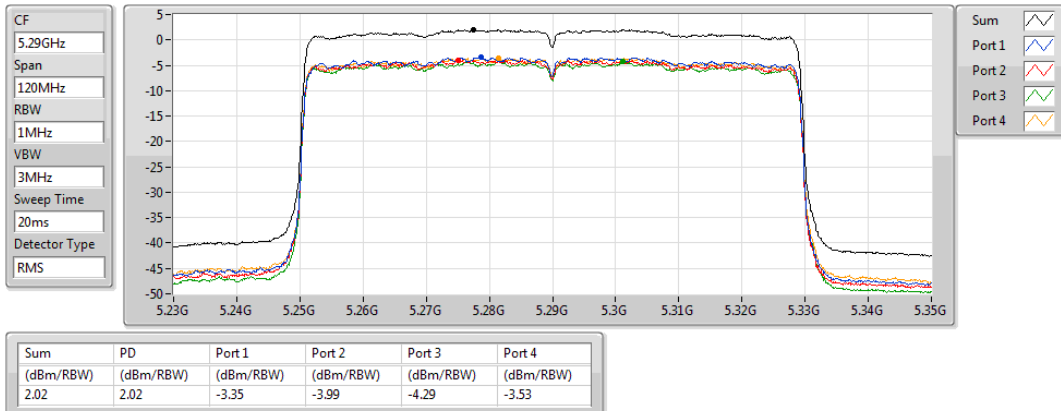


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

PSD

5290MHz

04/01/2020

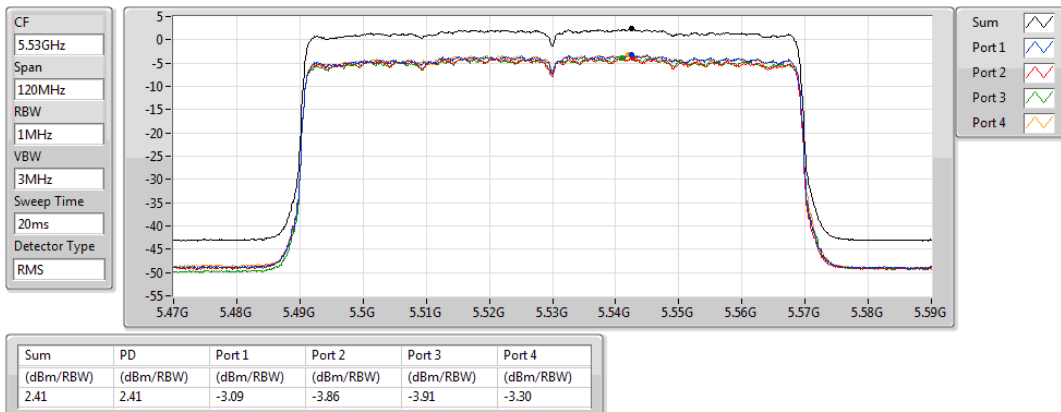


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

PSD

5530MHz

04/01/2020

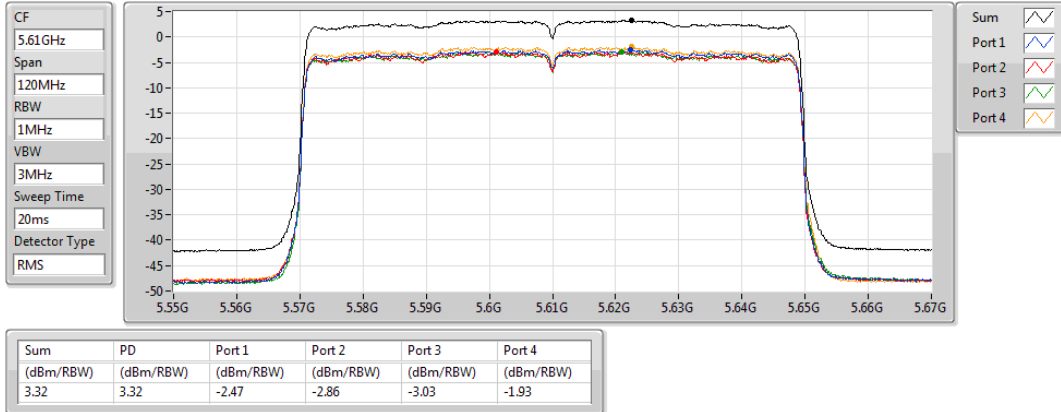


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

PSD

5610MHz

07/01/2020

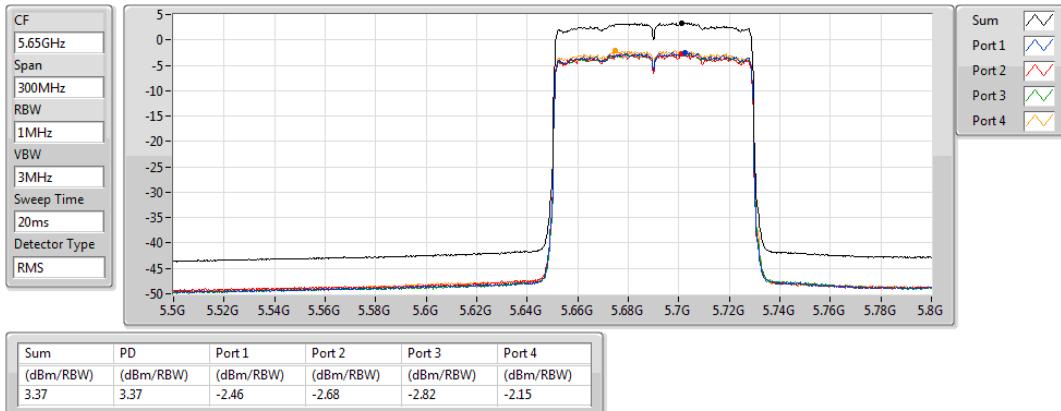


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

07/01/2020

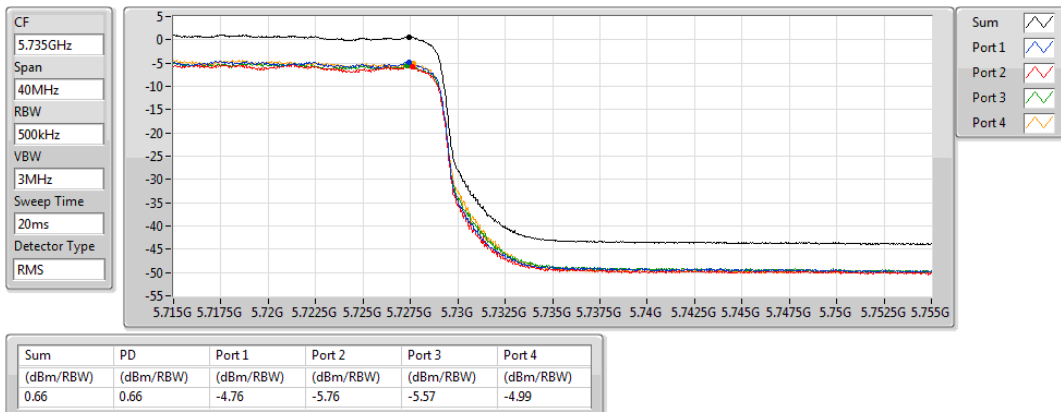


## 802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

07/01/2020

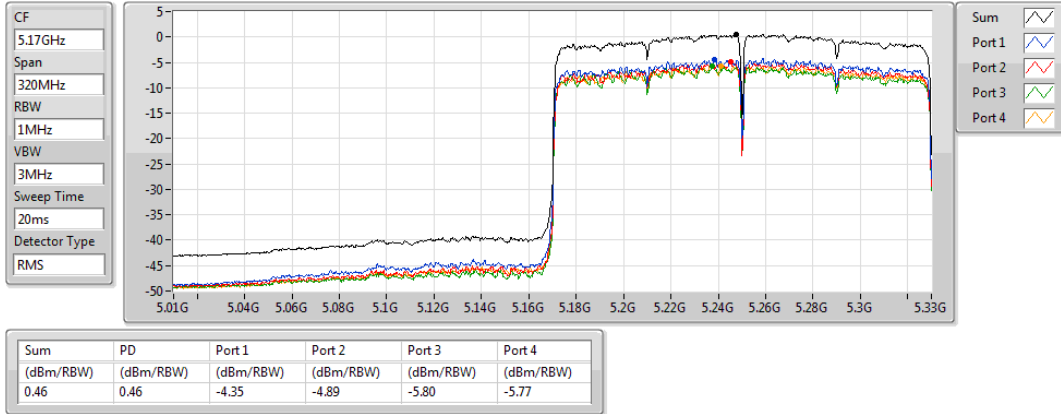


### 802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX

PSD

#### 5250MHz Straddle 5.15-5.25GHz

07/01/2020

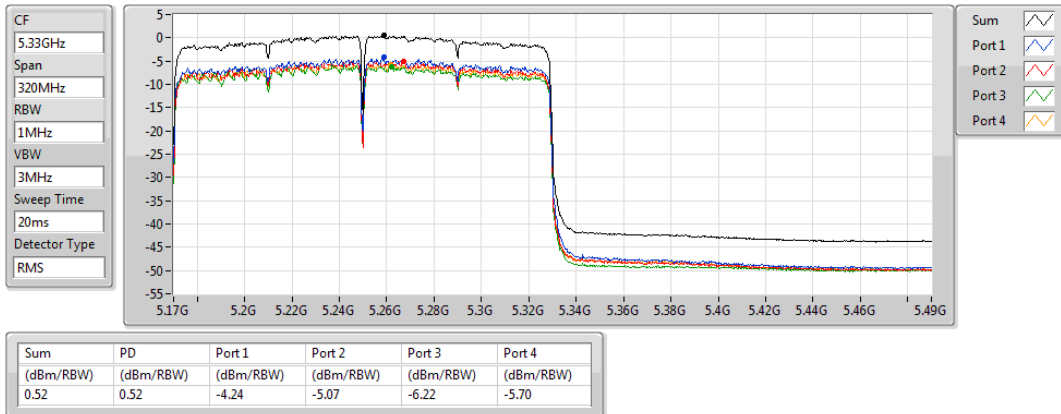


### 802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX

PSD

#### 5250MHz Straddle 5.25-5.35GHz

07/01/2020

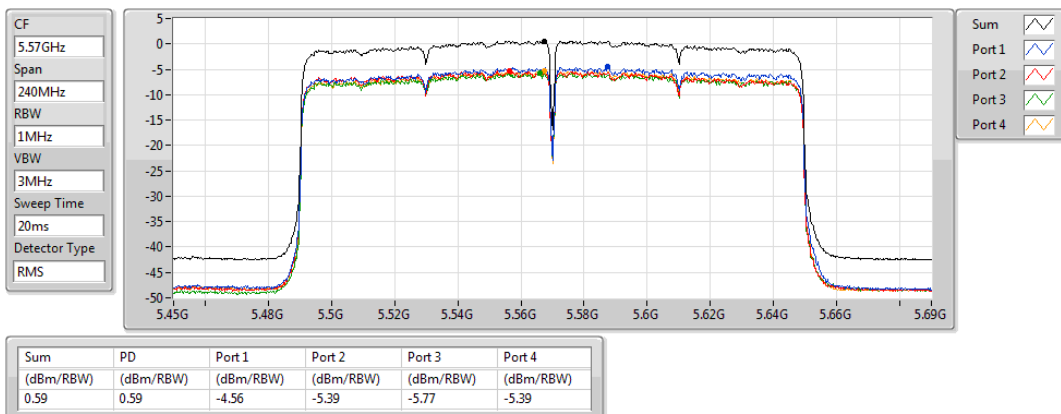


### 802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX

PSD

#### 5570MHz

07/01/2020





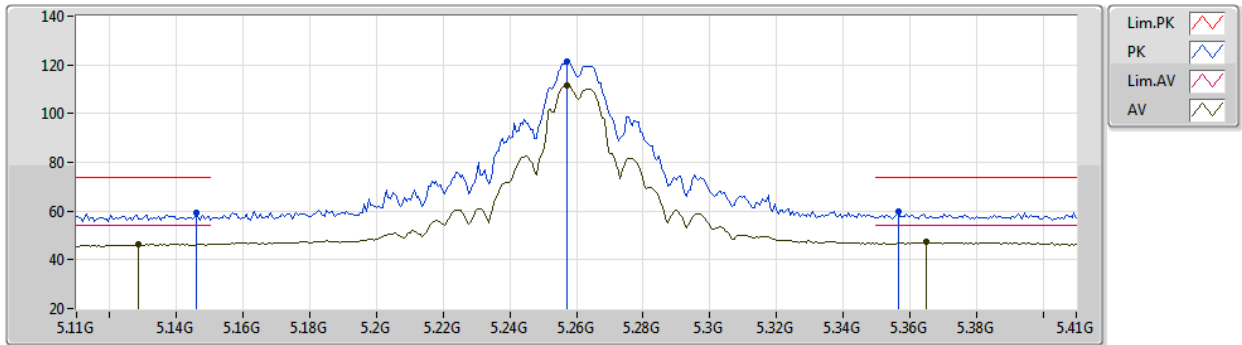
**Summary**

| 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 |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|-----------|----------------|---------------|----------|
| 5.47-5.725GHz                  | -      | -    | -            | -                 | -                 | -              | -           | -         | -              | -             | -        |
| 802.11ax HEW80_Nss1.(MCS0)_4TX | Pass   | PK   | 5.467G       | 68.19             | 68.20             | -0.01          | 3           | Vertical  | 130            | 1.89          | -        |

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

25/12/2019

### 5260MHz\_TX



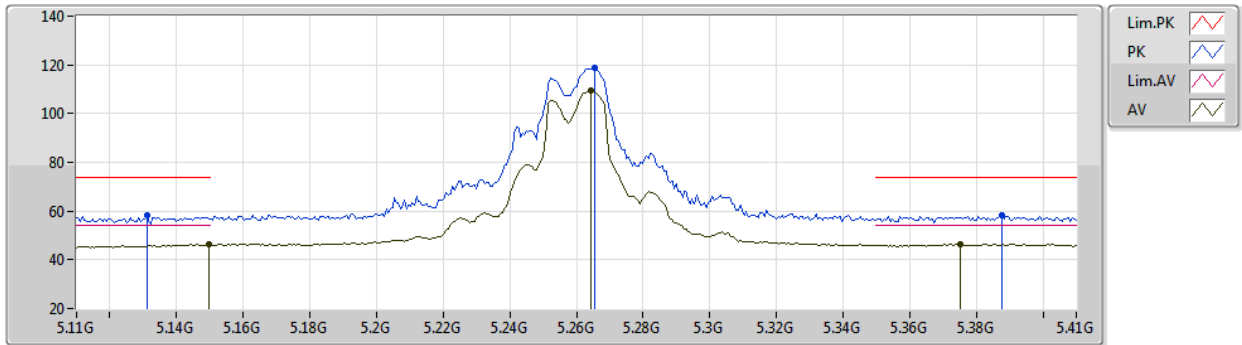
EUT Y\_4TX  
04-F-A-3-10

| 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       | 59.27             | 74.00             | -14.73         | 55.13         | 3           | Vertical  | 283            | 1.15          | -       | 33.05      | 4.65       | 33.56      |
| AV   | 5.1286G      | 46.45             | 54.00             | -7.55          | 42.32         | 3           | Vertical  | 283            | 1.15          | -       | 33.03      | 4.66       | 33.56      |
| PK   | 5.257G       | 121.20            | Inf               | -Inf           | 116.98        | 3           | Vertical  | 283            | 1.15          | -       | 33.16      | 4.63       | 33.57      |
| AV   | 5.257G       | 111.61            | Inf               | -Inf           | 107.39        | 3           | Vertical  | 283            | 1.15          | -       | 33.16      | 4.63       | 33.57      |
| PK   | 5.3566G      | 59.75             | 74.00             | -14.25         | 55.27         | 3           | Vertical  | 283            | 1.15          | -       | 33.37      | 4.68       | 33.57      |
| AV   | 5.365G       | 47.19             | 54.00             | -6.81          | 42.68         | 3           | Vertical  | 283            | 1.15          | -       | 33.40      | 4.68       | 33.57      |

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

25/12/2019

## 5260MHz\_TX

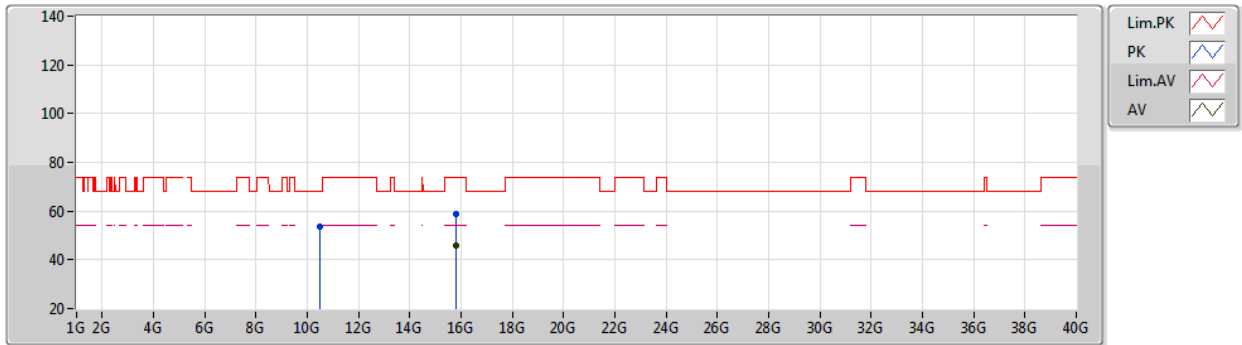

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.131G       | 58.05             | 74.00             | -15.95         | 53.92         | 3           | Horizontal | 170            | 2.58          | -       | 33.03      | 4.66       | 33.56      |
| AV   | 5.1496G      | 46.23             | 54.00             | -7.77          | 42.09         | 3           | Horizontal | 170            | 2.58          | -       | 33.05      | 4.65       | 33.56      |
| PK   | 5.2654G      | 118.76            | Inf               | -Inf           | 114.53        | 3           | Horizontal | 170            | 2.58          | -       | 33.17      | 4.63       | 33.57      |
| AV   | 5.2642G      | 109.42            | Inf               | -Inf           | 105.20        | 3           | Horizontal | 170            | 2.58          | -       | 33.16      | 4.63       | 33.57      |
| PK   | 5.3878G      | 58.19             | 74.00             | -15.81         | 53.61         | 3           | Horizontal | 170            | 2.58          | -       | 33.46      | 4.69       | 33.57      |
| AV   | 5.3752G      | 46.45             | 54.00             | -7.55          | 41.90         | 3           | Horizontal | 170            | 2.58          | -       | 33.43      | 4.69       | 33.57      |

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

25/12/2019

### 5260MHz\_TX



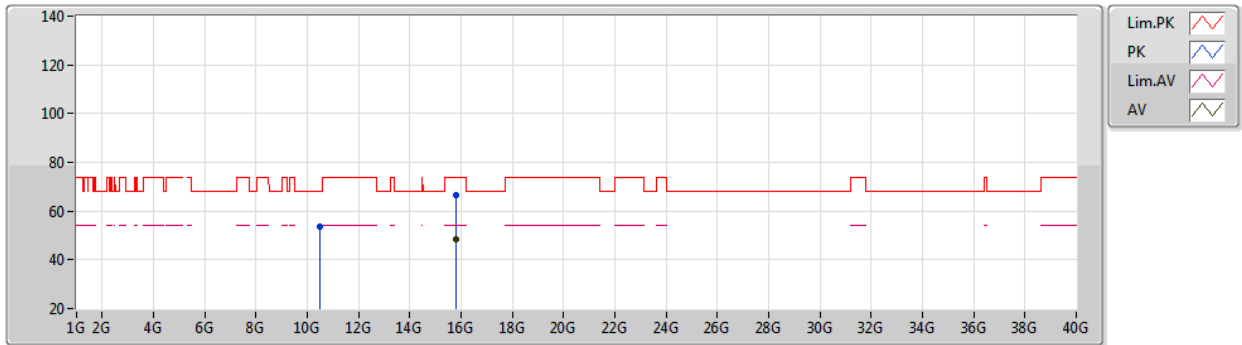
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5059G     | 53.45             | 68.20             | -14.75         | 41.62         | 3           | Vertical  | 40             | 1.52          | -       | 39.00      | 6.90       | 34.07      |
| PK   | 15.7808G     | 59.03             | 74.00             | -14.97         | 46.25         | 3           | Vertical  | 223            | 1.69          | -       | 38.84      | 9.42       | 35.48      |
| AV   | 15.7798G     | 45.74             | 54.00             | -8.26          | 32.96         | 3           | Vertical  | 223            | 1.69          | -       | 38.84      | 9.42       | 35.48      |

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

25/12/2019

### 5260MHz\_TX



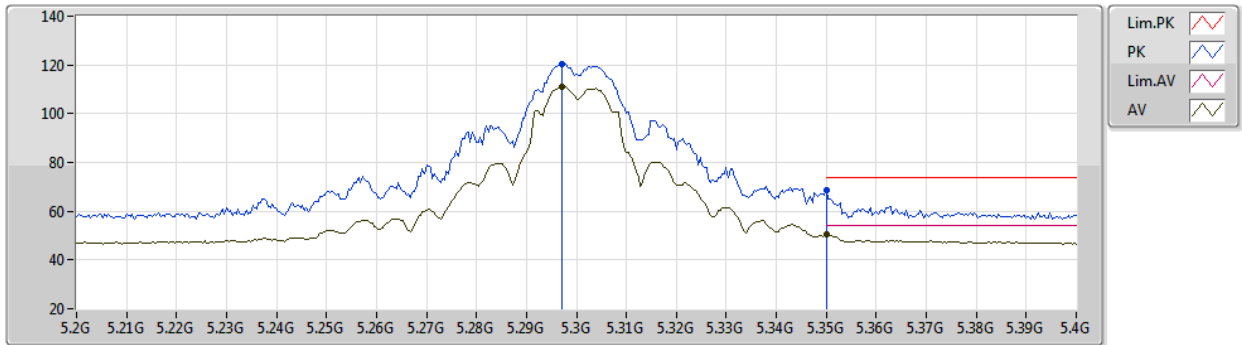
EUT Y\_4TX  
04-F-A-3

| 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   | 10.4974G     | 53.67             | 68.20             | -14.53         | 41.83         | 3           | Horizontal | 74             | 2.55          | -       | 39.00      | 6.90       | 34.06      |
| PK   | 15.7817G     | 66.37             | 74.00             | -7.63          | 53.58         | 3           | Horizontal | 205            | 1.80          | -       | 38.84      | 9.43       | 35.48      |
| AV   | 15.7818G     | 48.49             | 54.00             | -5.51          | 35.70         | 3           | Horizontal | 205            | 1.80          | -       | 38.84      | 9.43       | 35.48      |

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

25/12/2019

### 5300MHz\_TX



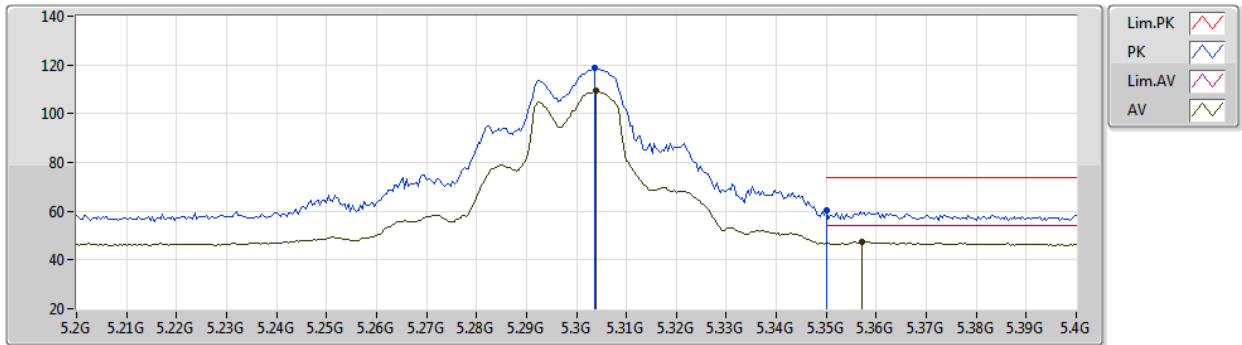
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.2972G      | 120.19            | Inf               | -Inf           | 115.91        | 3           | Vertical  | 284            | 1.31          | -       | 33.20      | 4.65       | 33.57      |
| AV   | 5.2972G      | 110.96            | Inf               | -Inf           | 106.68        | 3           | Vertical  | 284            | 1.31          | -       | 33.20      | 4.65       | 33.57      |
| PK   | 5.35G        | 68.75             | 74.00             | -5.25          | 64.29         | 3           | Vertical  | 284            | 1.31          | -       | 33.35      | 4.68       | 33.57      |
| AV   | 5.35G        | 50.30             | 54.00             | -3.70          | 45.84         | 3           | Vertical  | 284            | 1.31          | -       | 33.35      | 4.68       | 33.57      |

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

25/12/2019

## 5300MHz\_TX

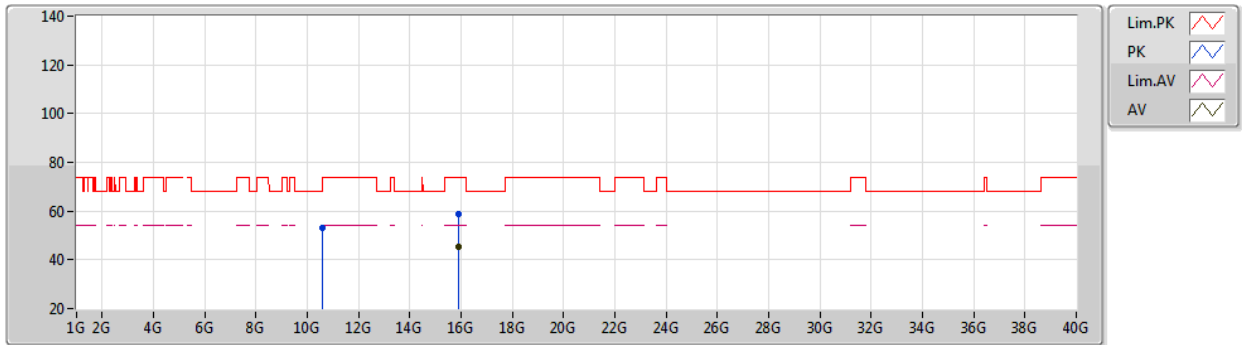

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.3036G      | 118.65            | Inf               | -Inf           | 114.36        | 3           | Horizontal | 165            | 2.56          | -       | 33.21      | 4.65       | 33.57      |
| AV   | 5.304G       | 109.50            | Inf               | -Inf           | 105.21        | 3           | Horizontal | 165            | 2.56          | -       | 33.21      | 4.65       | 33.57      |
| PK   | 5.35G        | 60.46             | 74.00             | -13.54         | 56.00         | 3           | Horizontal | 165            | 2.56          | -       | 33.35      | 4.68       | 33.57      |
| AV   | 5.3572G      | 47.43             | 54.00             | -6.57          | 42.95         | 3           | Horizontal | 165            | 2.56          | -       | 33.37      | 4.68       | 33.57      |

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

25/12/2019

### 5300MHz\_TX



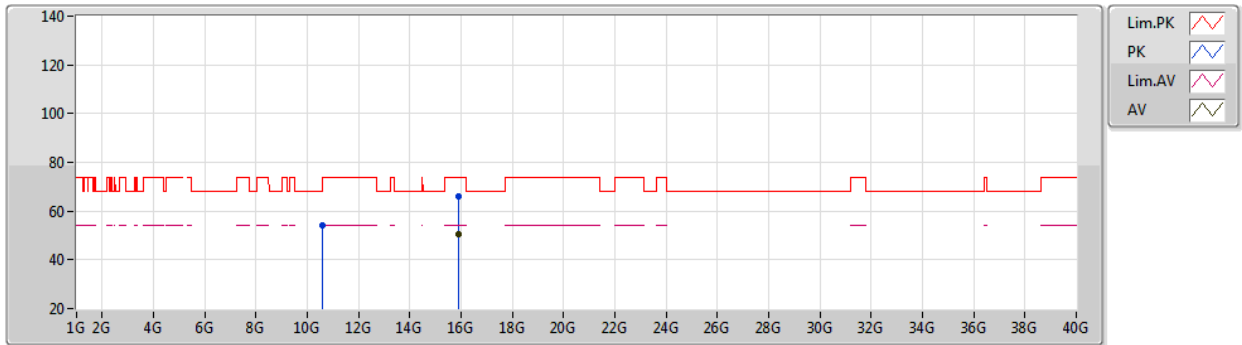
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5937G     | 53.01             | 68.20             | -15.19         | 41.11         | 3           | Vertical  | 109            | 1.55          | -       | 39.07      | 6.96       | 34.13      |
| PK   | 15.9049G     | 58.57             | 74.00             | -15.43         | 45.87         | 3           | Vertical  | 309            | 2.02          | -       | 38.70      | 9.52       | 35.52      |
| AV   | 15.9038G     | 45.49             | 54.00             | -8.51          | 32.77         | 3           | Vertical  | 309            | 2.02          | -       | 38.71      | 9.52       | 35.51      |

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

25/12/2019

### 5300MHz\_TX



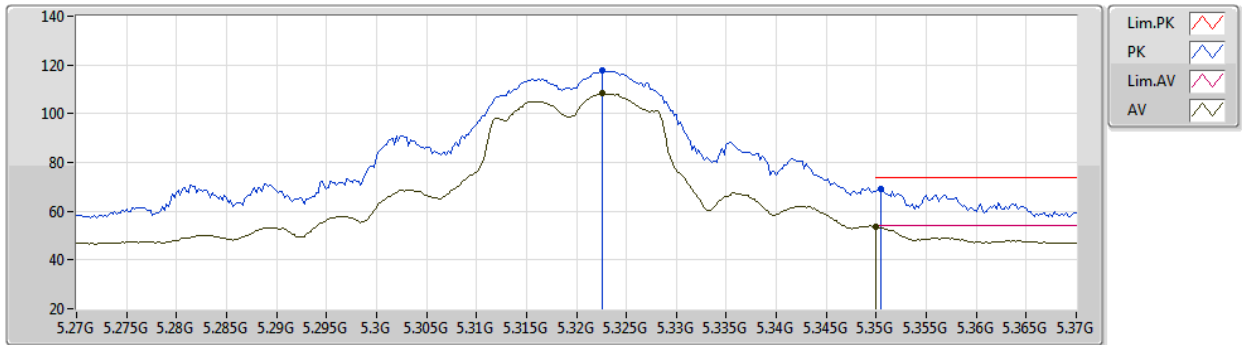
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5949G     | 54.23             | 68.20             | -13.97         | 42.32         | 3           | Horizontal | 334            | 1.80          | -       | 39.08      | 6.96       | 34.13      |
| PK   | 15.902G      | 65.95             | 74.00             | -8.05          | 53.23         | 3           | Horizontal | 222            | 1.20          | -       | 38.71      | 9.52       | 35.51      |
| AV   | 15.9041G     | 50.63             | 54.00             | -3.37          | 37.92         | 3           | Horizontal | 222            | 1.20          | -       | 38.71      | 9.52       | 35.52      |

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

25/12/2019

### 5320MHz\_TX



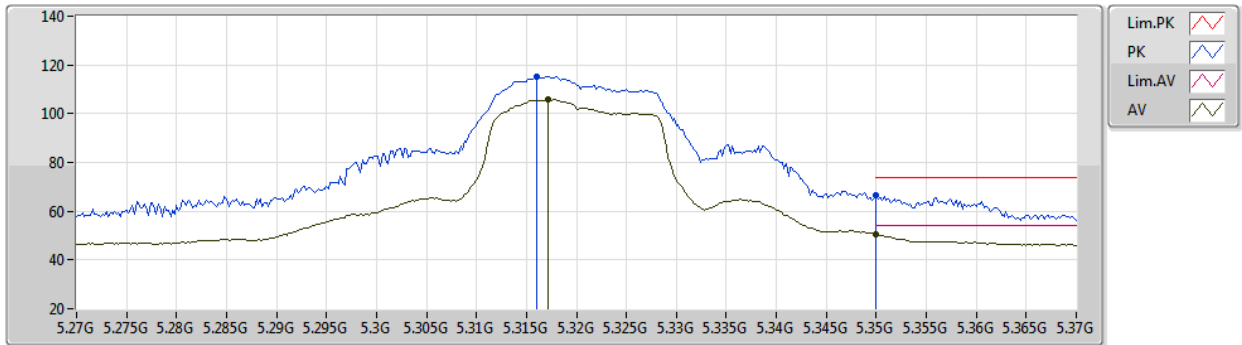
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.3226G      | 117.53            | Inf               | -Inf           | 113.17        | 3           | Vertical  | 266            | 1.19          | -       | 33.27      | 4.66       | 33.57      |
| AV   | 5.3226G      | 108.30            | Inf               | -Inf           | 103.94        | 3           | Vertical  | 266            | 1.19          | -       | 33.27      | 4.66       | 33.57      |
| PK   | 5.3504G      | 68.89             | 74.00             | -5.11          | 64.43         | 3           | Vertical  | 266            | 1.19          | -       | 33.35      | 4.68       | 33.57      |
| AV   | 5.35G        | 53.61             | 54.00             | -0.39          | 49.15         | 3           | Vertical  | 266            | 1.19          | -       | 33.35      | 4.68       | 33.57      |

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

25/12/2019

### 5320MHz\_TX



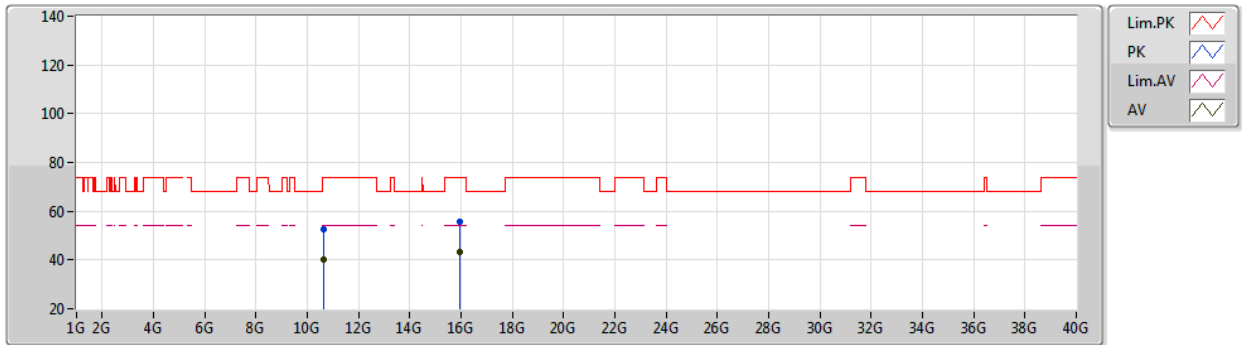
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.316G       | 115.37            | Inf               | -Inf           | 111.03        | 3           | Horizontal | 117            | 1.80          | -       | 33.25      | 4.66       | 33.57      |
| AV   | 5.3172G      | 105.86            | Inf               | -Inf           | 101.52        | 3           | Horizontal | 117            | 1.80          | -       | 33.25      | 4.66       | 33.57      |
| PK   | 5.35G        | 66.37             | 74.00             | -7.63          | 61.91         | 3           | Horizontal | 117            | 1.80          | -       | 33.35      | 4.68       | 33.57      |
| AV   | 5.35G        | 50.51             | 54.00             | -3.49          | 46.05         | 3           | Horizontal | 117            | 1.80          | -       | 33.35      | 4.68       | 33.57      |

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

25/12/2019

### 5320MHz\_TX



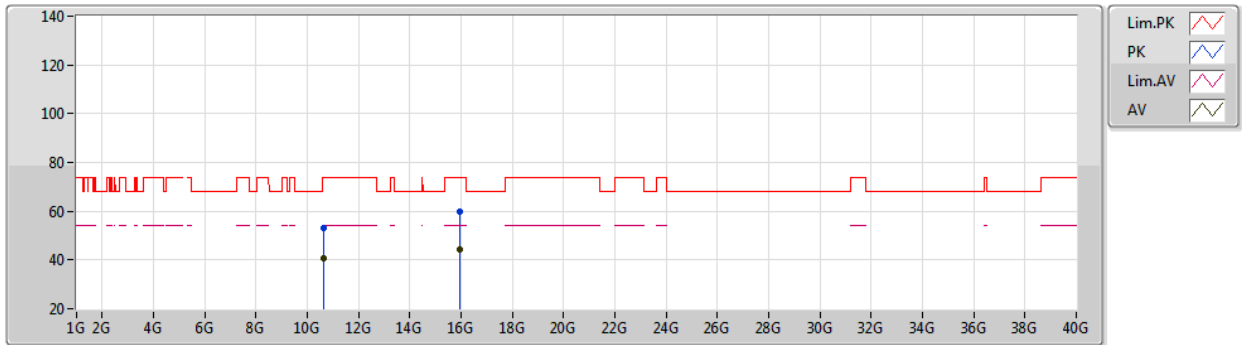
EUT Y\_4TX  
04-F-A-3

| 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   | 10.6529G     | 52.63             | 74.00             | -21.37         | 40.69         | 3           | Vertical  | 296            | 1.11          | -       | 39.12      | 6.99       | 34.17      |
| AV   | 10.6221G     | 40.31             | 54.00             | -13.69         | 28.39         | 3           | Vertical  | 296            | 1.11          | -       | 39.10      | 6.97       | 34.15      |
| PK   | 15.9698G     | 55.76             | 74.00             | -18.24         | 43.08         | 3           | Vertical  | 8              | 1.73          | -       | 38.63      | 9.58       | 35.53      |
| AV   | 15.9701G     | 43.24             | 54.00             | -10.76         | 30.56         | 3           | Vertical  | 8              | 1.73          | -       | 38.63      | 9.58       | 35.53      |

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

25/12/2019

### 5320MHz\_TX



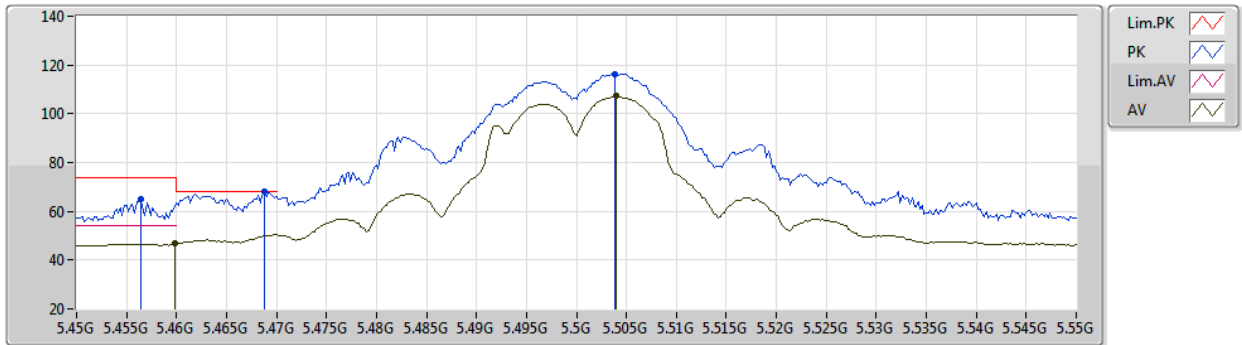
EUT Y\_4TX  
04-F-A-3

| 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   | 10.6346G     | 53.29             | 74.00             | -20.71         | 41.36         | 3           | Horizontal | 33             | 1.65          | -       | 39.11      | 6.98       | 34.16      |
| AV   | 10.6623G     | 40.44             | 54.00             | -13.56         | 28.49         | 3           | Horizontal | 33             | 1.65          | -       | 39.13      | 7.00       | 34.18      |
| PK   | 15.9653G     | 59.82             | 74.00             | -14.18         | 47.14         | 3           | Horizontal | 207            | 1.77          | -       | 38.64      | 9.57       | 35.53      |
| AV   | 15.9667G     | 44.23             | 54.00             | -9.77          | 31.55         | 3           | Horizontal | 207            | 1.77          | -       | 38.64      | 9.57       | 35.53      |

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

25/12/2019

## 5500MHz\_TX

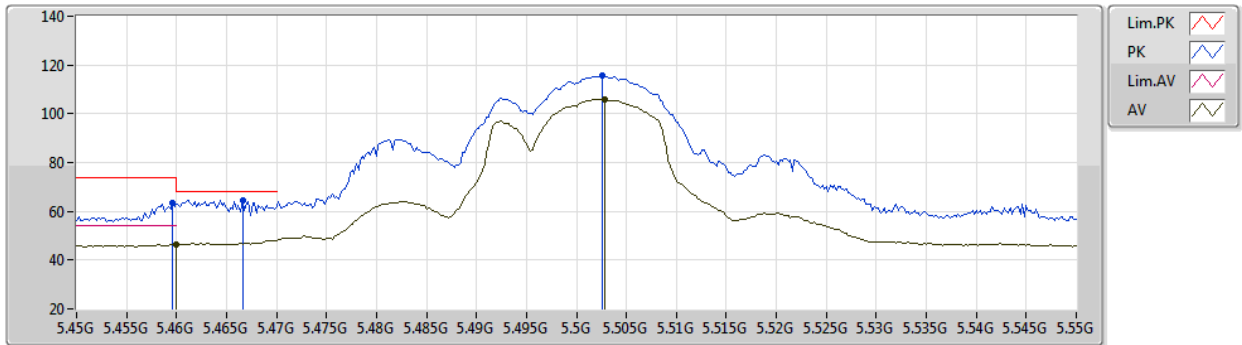

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4564G      | 64.79             | 74.00             | -9.21          | 59.94         | 3           | Vertical  | 130            | 1.80          | -       | 33.67      | 4.76       | 33.58      |
| AV   | 5.4598G      | 46.76             | 54.00             | -7.24          | 41.90         | 3           | Vertical  | 130            | 1.80          | -       | 33.68      | 4.76       | 33.58      |
| PK   | 5.4688G      | 67.92             | 68.20             | -0.28          | 63.02         | 3           | Vertical  | 130            | 1.80          | -       | 33.71      | 4.77       | 33.58      |
| PK   | 5.5038G      | 116.44            | Inf               | -Inf           | 111.40        | 3           | Vertical  | 130            | 1.80          | -       | 33.81      | 4.81       | 33.58      |
| AV   | 5.504G       | 107.43            | Inf               | -Inf           | 102.39        | 3           | Vertical  | 130            | 1.80          | -       | 33.81      | 4.81       | 33.58      |

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

25/12/2019

## 5500MHz\_TX

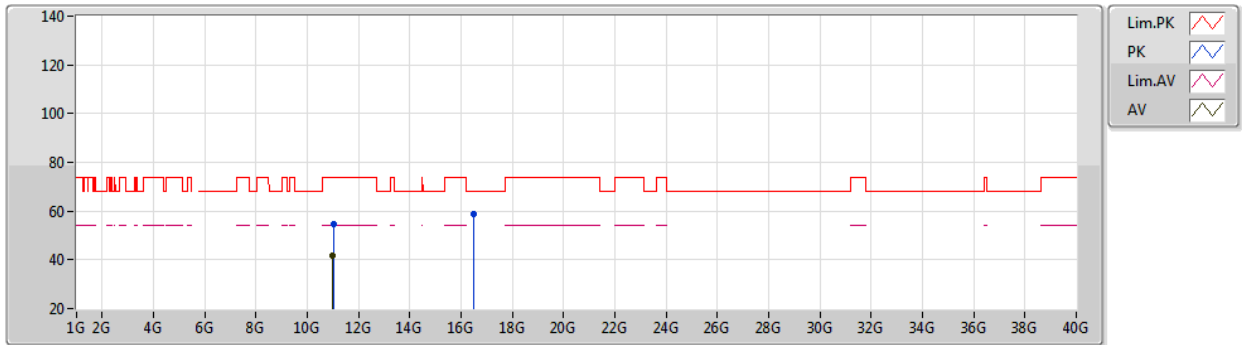

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4596G      | 63.33             | 74.00             | -10.67         | 58.47         | 3           | Horizontal | 134            | 1.80          | -       | 33.68      | 4.76       | 33.58      |
| AV   | 5.46G        | 46.40             | 54.00             | -7.60          | 41.54         | 3           | Horizontal | 134            | 1.80          | -       | 33.68      | 4.76       | 33.58      |
| PK   | 5.4666G      | 64.70             | 68.20             | -3.50          | 59.81         | 3           | Horizontal | 134            | 1.80          | -       | 33.70      | 4.77       | 33.58      |
| PK   | 5.5026G      | 115.70            | Inf               | -Inf           | 110.66        | 3           | Horizontal | 134            | 1.80          | -       | 33.81      | 4.81       | 33.58      |
| AV   | 5.5028G      | 105.93            | Inf               | -Inf           | 100.89        | 3           | Horizontal | 134            | 1.80          | -       | 33.81      | 4.81       | 33.58      |

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

25/12/2019

### 5500MHz\_TX



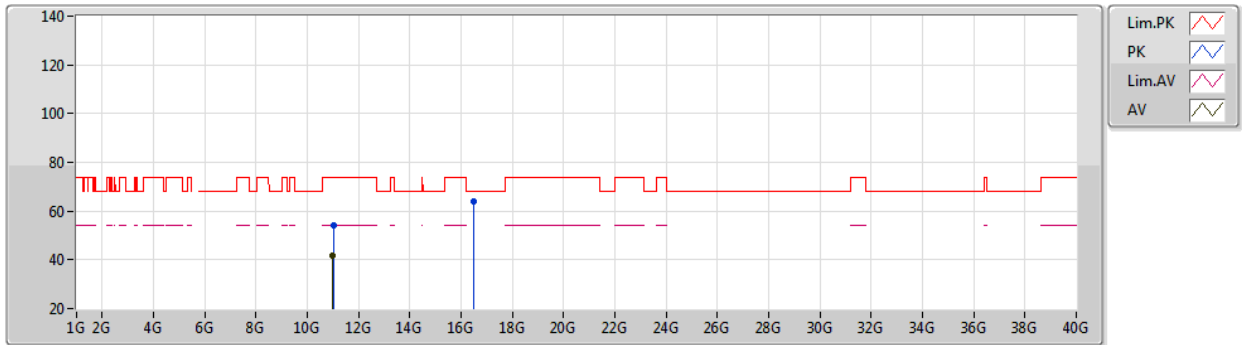
EUT Y\_4TX  
04-F-A-3

| 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   | 11.018G      | 54.42             | 74.00             | -19.58         | 42.25         | 3           | Vertical  | 66             | 1.61          | -       | 39.39      | 7.20       | 34.42      |
| AV   | 10.9979G     | 41.54             | 54.00             | -12.46         | 29.35         | 3           | Vertical  | 66             | 1.61          | -       | 39.40      | 7.20       | 34.41      |
| PK   | 16.4885G     | 58.77             | 68.20             | -9.43          | 44.94         | 3           | Vertical  | 101            | 1.80          | -       | 39.67      | 9.70       | 35.54      |

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

25/12/2019

### 5500MHz\_TX



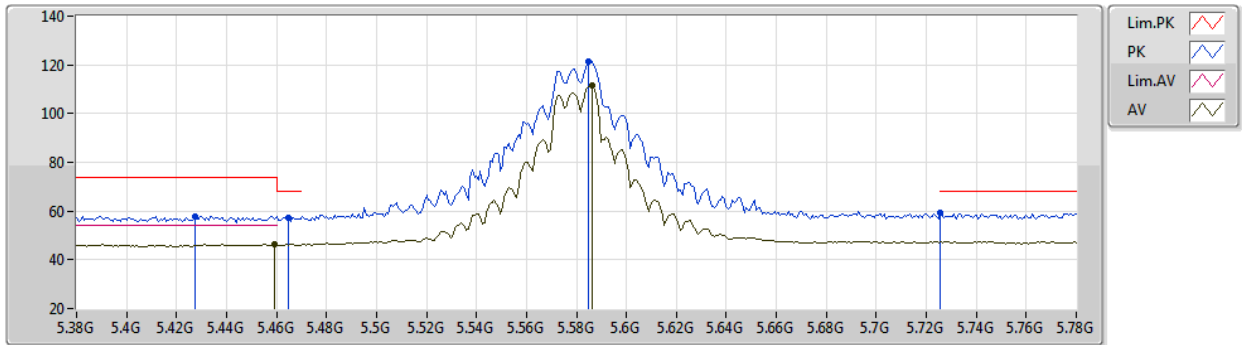
EUT Y\_4TX  
04-F-A-3

| 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   | 11.0204G     | 54.21             | 74.00             | -19.79         | 42.05         | 3           | Horizontal | 178            | 2.88          | -       | 39.39      | 7.20       | 34.43      |
| AV   | 10.9978G     | 41.51             | 54.00             | -12.49         | 29.32         | 3           | Horizontal | 178            | 2.88          | -       | 39.40      | 7.20       | 34.41      |
| PK   | 16.502G      | 64.22             | 68.20             | -3.98          | 50.37         | 3           | Horizontal | 226            | 1.99          | -       | 39.70      | 9.70       | 35.55      |

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

25/12/2019

## 5580MHz\_TX



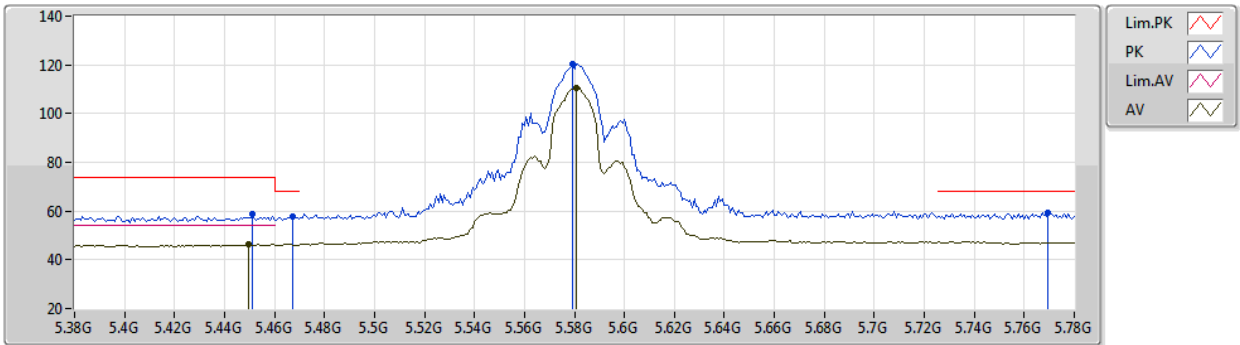
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4272G      | 57.94             | 74.00             | -16.06         | 53.20         | 3           | Vertical  | 315            | 2.18          | -       | 33.58      | 4.73       | 33.57      |
| PK   | 5.4648G      | 57.37             | 68.20             | -10.83         | 52.50         | 3           | Vertical  | 315            | 2.18          | -       | 33.69      | 4.76       | 33.58      |
| AV   | 5.4592G      | 46.33             | 54.00             | -7.67          | 41.47         | 3           | Vertical  | 315            | 2.18          | -       | 33.68      | 4.76       | 33.58      |
| PK   | 5.5848G      | 121.53            | Inf               | -Inf           | 116.20        | 3           | Vertical  | 315            | 2.18          | -       | 33.97      | 4.97       | 33.61      |
| AV   | 5.5864G      | 111.44            | Inf               | -Inf           | 106.11        | 3           | Vertical  | 315            | 2.18          | -       | 33.97      | 4.97       | 33.61      |
| PK   | 5.7256G      | 59.15             | 68.20             | -9.05          | 53.70         | 3           | Vertical  | 315            | 2.18          | -       | 34.15      | 4.94       | 33.64      |

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

25/12/2019

## 5580MHz\_TX



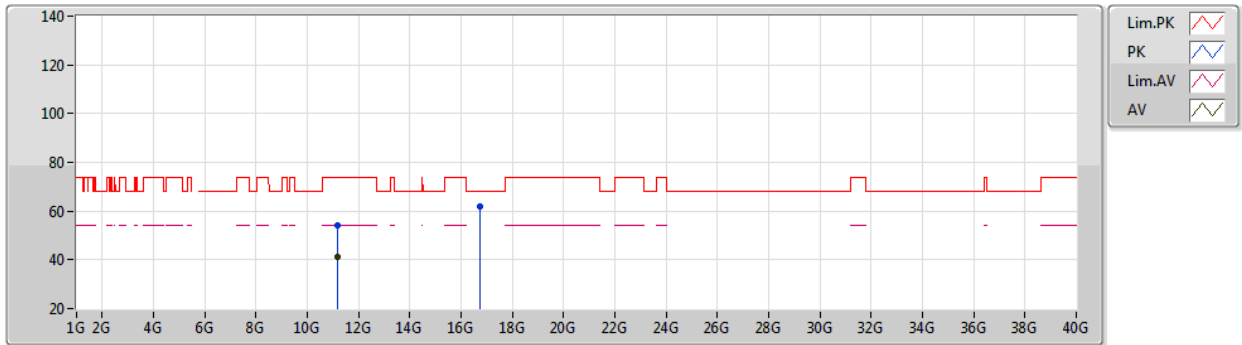
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4512G      | 58.56             | 74.00             | -15.44         | 53.74         | 3           | Horizontal | 358            | 1.80          | -       | 33.65      | 4.75       | 33.58      |
| AV   | 5.4496G      | 46.16             | 54.00             | -7.84          | 41.33         | 3           | Horizontal | 358            | 1.80          | -       | 33.65      | 4.75       | 33.57      |
| PK   | 5.4672G      | 57.75             | 68.20             | -10.45         | 52.86         | 3           | Horizontal | 358            | 1.80          | -       | 33.70      | 4.77       | 33.58      |
| PK   | 5.5792G      | 120.18            | Inf               | -Inf           | 114.86        | 3           | Horizontal | 358            | 1.80          | -       | 33.96      | 4.96       | 33.60      |
| AV   | 5.5808G      | 110.77            | Inf               | -Inf           | 105.45        | 3           | Horizontal | 358            | 1.80          | -       | 33.96      | 4.96       | 33.60      |
| PK   | 5.7696G      | 59.40             | 68.20             | -8.80          | 53.89         | 3           | Horizontal | 358            | 1.80          | -       | 34.24      | 4.92       | 33.65      |

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

25/12/2019

### 5580MHz\_TX



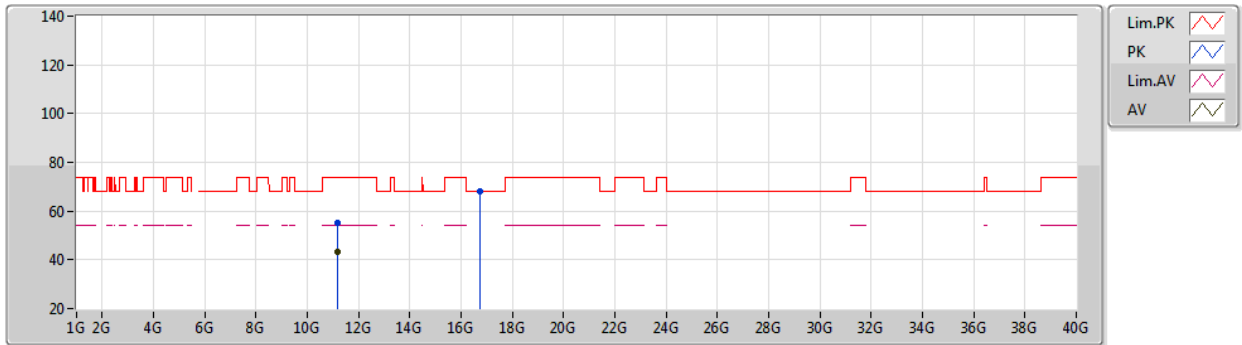
EUT Y\_4TX  
04-F-A-3

| 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   | 11.171G      | 54.36             | 74.00             | -19.64         | 42.37         | 3           | Vertical  | 160            | 1.46          | -       | 39.31      | 7.22       | 34.54      |
| AV   | 11.1599G     | 41.36             | 54.00             | -12.64         | 29.35         | 3           | Vertical  | 160            | 1.46          | -       | 39.32      | 7.22       | 34.53      |
| PK   | 16.7445G     | 61.65             | 68.20             | -6.55          | 47.21         | 3           | Vertical  | 282            | 1.22          | -       | 40.24      | 9.75       | 35.55      |

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

25/12/2019

### 5580MHz\_TX



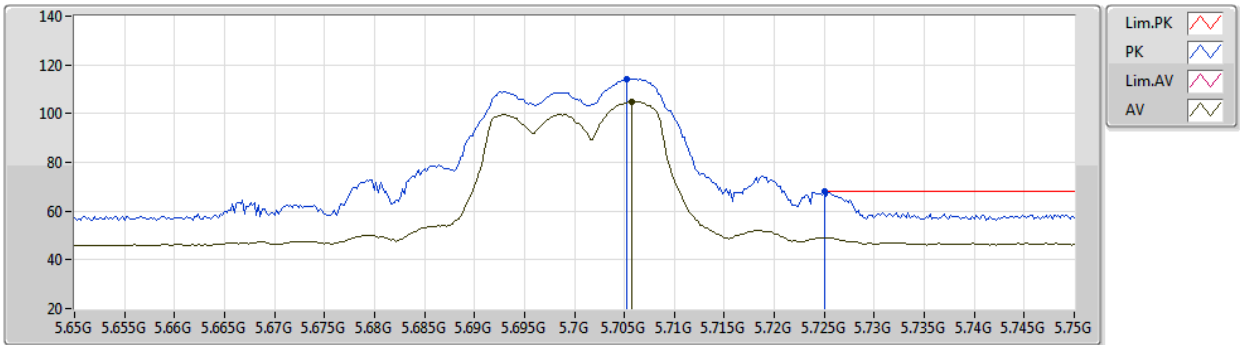
EUT Y\_4TX  
04-F-A-3

| 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   | 11.16G       | 55.40             | 74.00             | -18.60         | 43.39         | 3           | Horizontal | 112            | 1.85          | -       | 39.32      | 7.22       | 34.53      |
| AV   | 11.1601G     | 43.52             | 54.00             | -10.48         | 31.51         | 3           | Horizontal | 112            | 1.85          | -       | 39.32      | 7.22       | 34.53      |
| PK   | 16.7452G     | 67.85             | 68.20             | -0.35          | 53.41         | 3           | Horizontal | 227            | 1.98          | -       | 40.24      | 9.75       | 35.55      |

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

25/12/2019

### 5700MHz\_TX



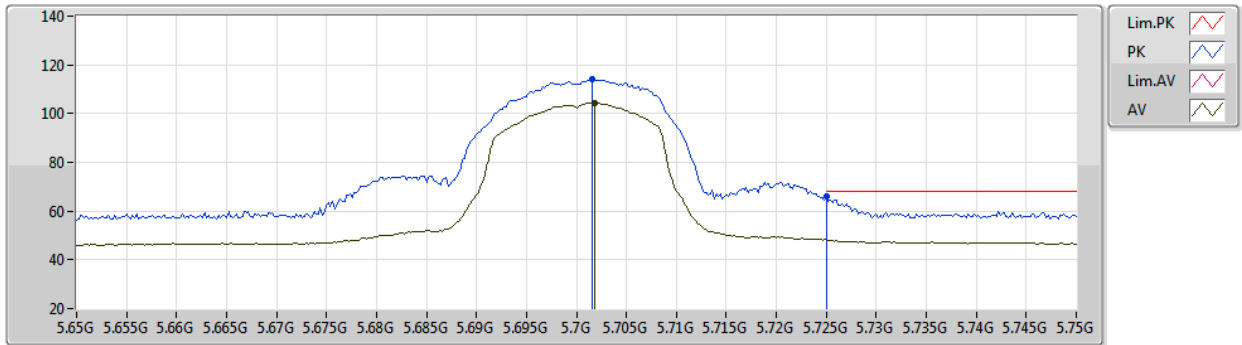
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.7052G      | 114.37            | Inf               | -Inf           | 108.94        | 3           | Vertical  | 315            | 2.12          | -       | 34.11      | 4.95       | 33.63      |
| AV   | 5.7058G      | 105.00            | Inf               | -Inf           | 99.57         | 3           | Vertical  | 315            | 2.12          | -       | 34.11      | 4.95       | 33.63      |
| PK   | 5.725G       | 67.98             | 68.20             | -0.22          | 62.53         | 3           | Vertical  | 315            | 2.12          | -       | 34.15      | 4.94       | 33.64      |

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

25/12/2019

### 5700MHz\_TX



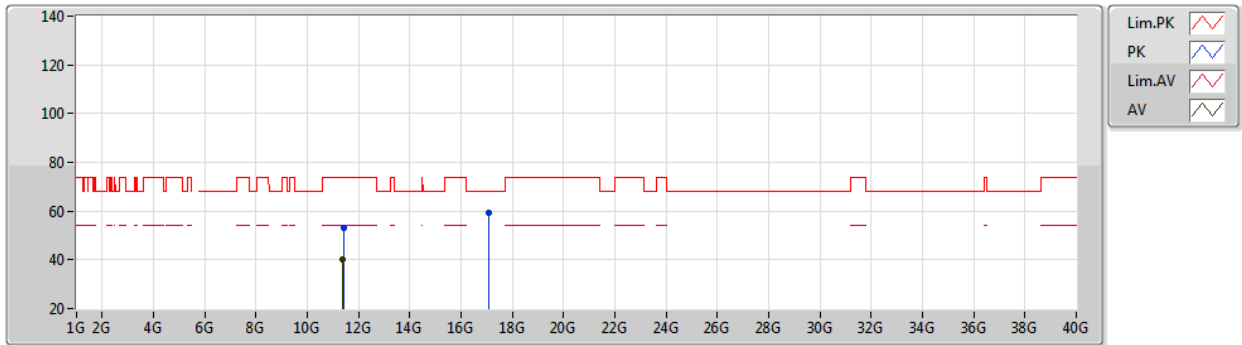
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.7016G      | 113.95            | Inf               | -Inf           | 108.53        | 3           | Horizontal | 7              | 1.80          | -       | 34.10      | 4.95       | 33.63      |
| AV   | 5.7018G      | 104.19            | Inf               | -Inf           | 98.77         | 3           | Horizontal | 7              | 1.80          | -       | 34.10      | 4.95       | 33.63      |
| PK   | 5.725G       | 65.99             | 68.20             | -2.21          | 60.54         | 3           | Horizontal | 7              | 1.80          | -       | 34.15      | 4.94       | 33.64      |

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

25/12/2019

### 5700MHz\_TX



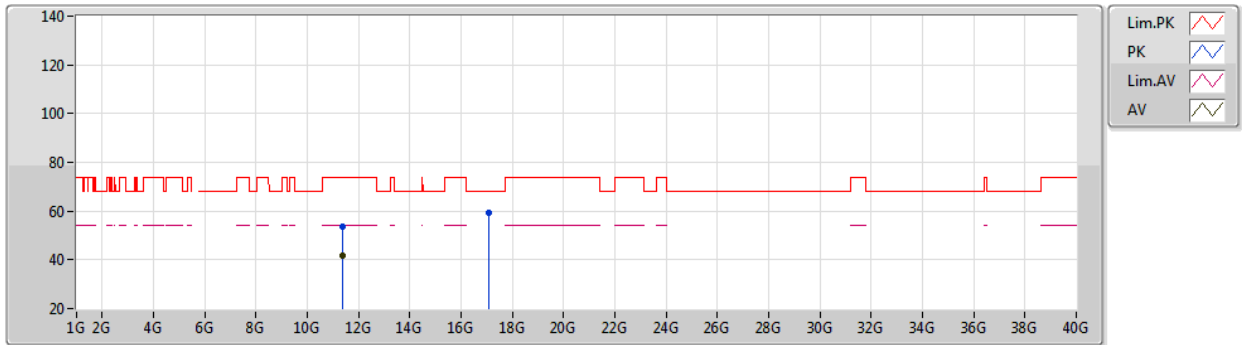
EUT Y\_4TX  
04-F-A-3

| 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   | 11.4207G     | 53.27             | 74.00             | -20.73         | 41.56         | 3           | Vertical  | 128            | 1.40          | -       | 39.19      | 7.24       | 34.72      |
| AV   | 11.3779G     | 40.43             | 54.00             | -13.57         | 28.67         | 3           | Vertical  | 128            | 1.40          | -       | 39.21      | 7.24       | 34.69      |
| PK   | 17.0882G     | 59.34             | 68.20             | -8.86          | 44.15         | 3           | Vertical  | 205            | 1.47          | -       | 40.88      | 9.84       | 35.53      |

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

25/12/2019

### 5700MHz\_TX



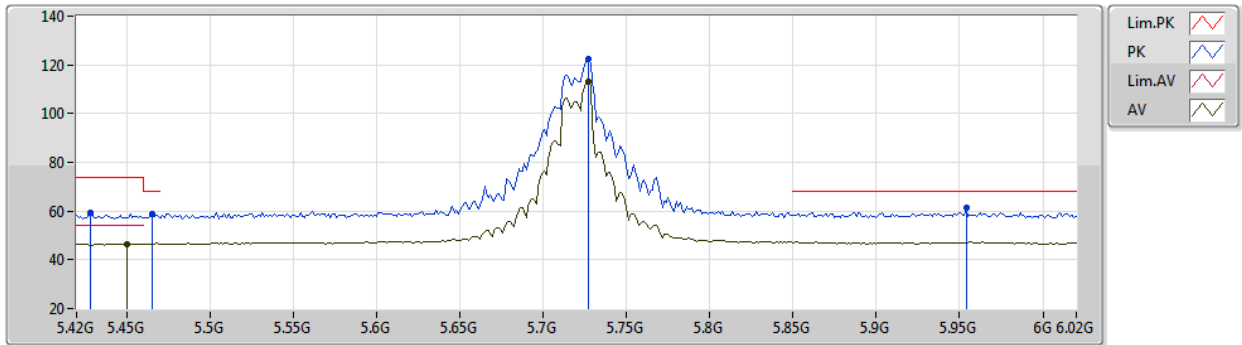
EUT Y\_4TX  
04-F-A-3

| 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   | 11.4003G     | 53.64             | 74.00             | -20.36         | 41.91         | 3           | Horizontal | 84             | 1.90          | -       | 39.20      | 7.24       | 34.71      |
| AV   | 11.3981G     | 41.47             | 54.00             | -12.53         | 29.73         | 3           | Horizontal | 84             | 1.90          | -       | 39.20      | 7.24       | 34.70      |
| PK   | 17.1047G     | 59.54             | 68.20             | -8.66          | 44.34         | 3           | Horizontal | 224            | 1.80          | -       | 40.89      | 9.84       | 35.53      |

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

25/12/2019

### 5720MHz\_TX



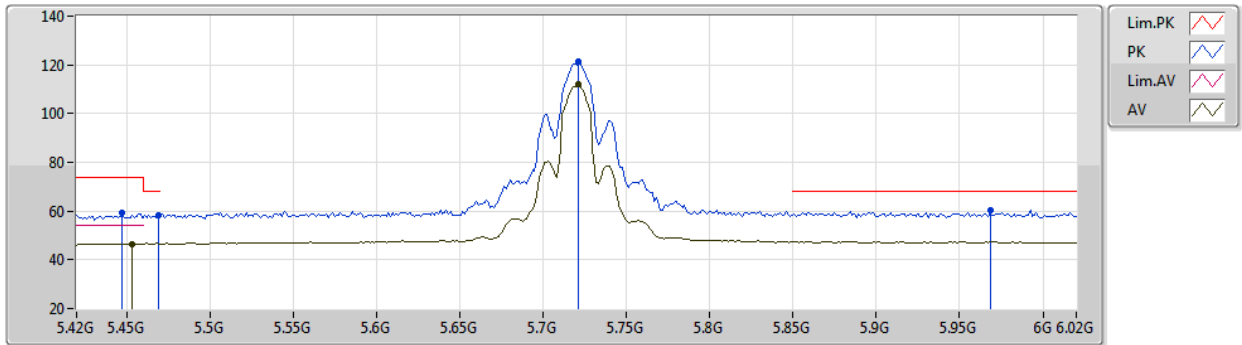
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4284G      | 59.30             | 74.00             | -14.70         | 53.61         | 3           | Vertical  | 313            | 2.92          | -       | 31.66      | 5.80       | 31.77      |
| PK   | 5.4656G      | 58.70             | 68.20             | -9.50          | 52.96         | 3           | Vertical  | 313            | 2.92          | -       | 31.73      | 5.80       | 31.79      |
| AV   | 5.45G        | 46.59             | 54.00             | -7.41          | 40.88         | 3           | Vertical  | 313            | 2.92          | -       | 31.70      | 5.80       | 31.79      |
| PK   | 5.7272G      | 122.32            | Inf               | -Inf           | 116.49        | 3           | Vertical  | 313            | 2.92          | -       | 31.81      | 5.92       | 31.90      |
| AV   | 5.7272G      | 113.25            | Inf               | -Inf           | 107.42        | 3           | Vertical  | 313            | 2.92          | -       | 31.81      | 5.92       | 31.90      |
| PK   | 5.954G       | 61.14             | 68.20             | -7.06          | 54.82         | 3           | Vertical  | 313            | 2.92          | -       | 32.40      | 5.92       | 32.00      |

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

25/12/2019

## 5720MHz\_TX

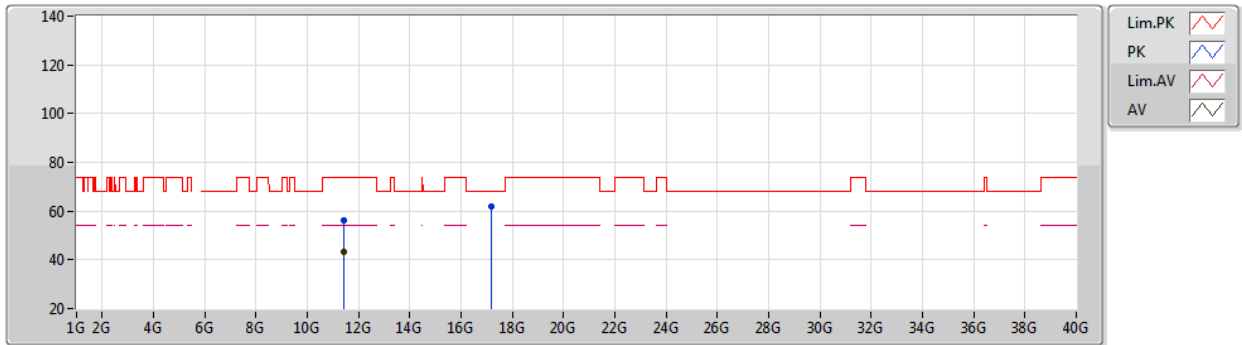

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4476G      | 59.24             | 74.00             | -14.76         | 53.52         | 3           | Horizontal | 0              | 1.74          | -       | 31.70      | 5.80       | 31.78      |
| AV   | 5.4536G      | 46.59             | 54.00             | -7.41          | 40.87         | 3           | Horizontal | 0              | 1.74          | -       | 31.71      | 5.80       | 31.79      |
| PK   | 5.4692G      | 58.18             | 68.20             | -10.02         | 52.43         | 3           | Horizontal | 0              | 1.74          | -       | 31.74      | 5.80       | 31.79      |
| PK   | 5.7212G      | 121.50            | Inf               | -Inf           | 115.71        | 3           | Horizontal | 0              | 1.74          | -       | 31.78      | 5.91       | 31.90      |
| AV   | 5.7212G      | 112.29            | Inf               | -Inf           | 106.50        | 3           | Horizontal | 0              | 1.74          | -       | 31.78      | 5.91       | 31.90      |
| PK   | 5.9684G      | 60.41             | 68.20             | -7.79          | 54.10         | 3           | Horizontal | 0              | 1.74          | -       | 32.40      | 5.92       | 32.01      |

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

25/12/2019

### 5720MHz\_TX



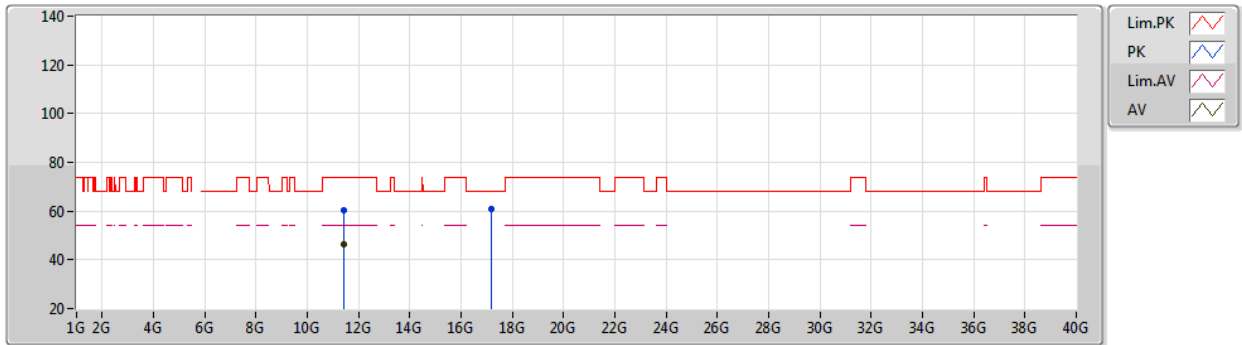
EUT Y\_4TX  
04-F-A-3

| 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   | 11.43748G    | 56.18             | 74.00             | -17.82         | 42.10         | 3           | Vertical  | 87             | 3.00          | -       | 39.74      | 8.10       | 33.76      |
| AV   | 11.43874G    | 43.37             | 54.00             | -10.63         | 29.29         | 3           | Vertical  | 87             | 3.00          | -       | 39.74      | 8.10       | 33.76      |
| PK   | 17.16474G    | 61.68             | 68.20             | -6.52          | 43.72         | 3           | Vertical  | 207            | 1.80          | -       | 42.35      | 9.46       | 33.85      |

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

25/12/2019

### 5720MHz\_TX



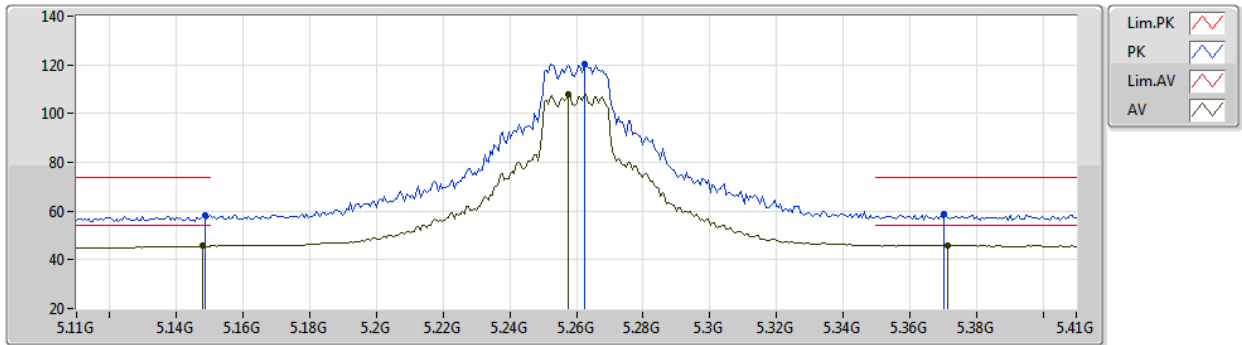
EUT Y\_4TX  
04-F-A-3

| 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   | 11.43748G    | 60.19             | 74.00             | -13.81         | 46.11         | 3           | Horizontal | 245            | 1.72          | -       | 39.74      | 8.10       | 33.76      |
| AV   | 11.43706G    | 46.32             | 54.00             | -7.68          | 32.24         | 3           | Horizontal | 245            | 1.72          | -       | 39.74      | 8.10       | 33.76      |
| PK   | 17.15886G    | 61.10             | 68.20             | -7.10          | 43.21         | 3           | Horizontal | 32             | 1.80          | -       | 42.29      | 9.45       | 33.85      |

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

25/12/2019

## 5260MHz\_TX



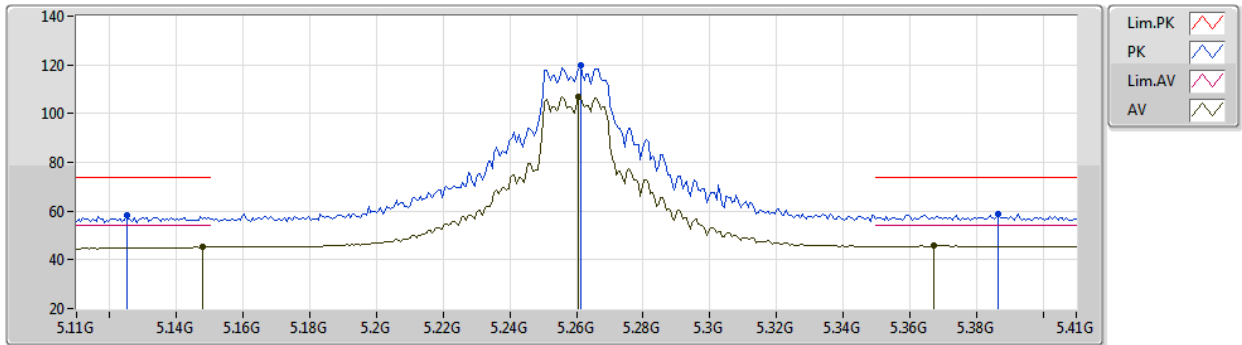
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.1484G      | 58.52             | 74.00             | -15.48         | 54.38         | 3           | Vertical  | 264            | 1.38          | -       | 33.05      | 4.65       | 33.56      |
| AV   | 5.1478G      | 45.62             | 54.00             | -8.38          | 41.48         | 3           | Vertical  | 264            | 1.38          | -       | 33.05      | 4.65       | 33.56      |
| PK   | 5.2624G      | 120.36            | Inf               | -Inf           | 116.14        | 3           | Vertical  | 264            | 1.38          | -       | 33.16      | 4.63       | 33.57      |
| AV   | 5.2576G      | 107.85            | Inf               | -Inf           | 103.63        | 3           | Vertical  | 264            | 1.38          | -       | 33.16      | 4.63       | 33.57      |
| PK   | 5.3704G      | 58.69             | 74.00             | -15.31         | 54.16         | 3           | Vertical  | 264            | 1.38          | -       | 33.41      | 4.69       | 33.57      |
| AV   | 5.3716G      | 46.09             | 54.00             | -7.91          | 41.56         | 3           | Vertical  | 264            | 1.38          | -       | 33.41      | 4.69       | 33.57      |

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

25/12/2019

## 5260MHz\_TX

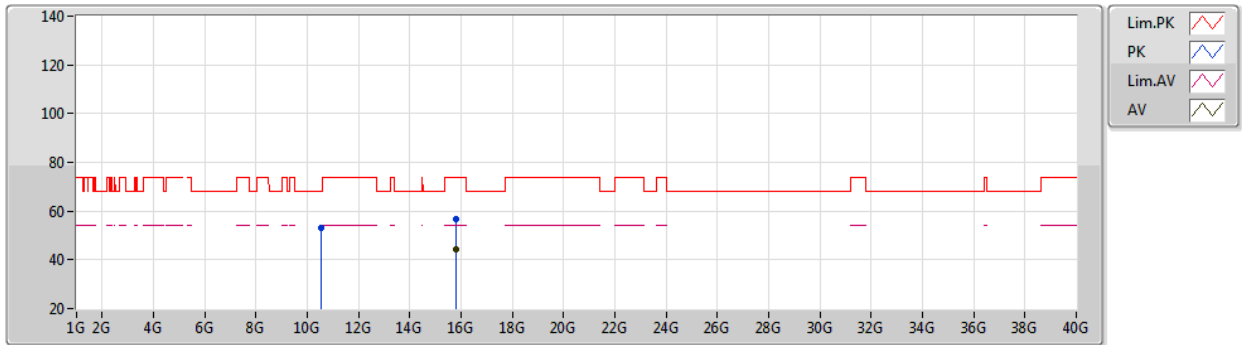

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.125G       | 58.45             | 74.00             | -15.55         | 54.32         | 3           | Horizontal | 168            | 2.85          | -       | 33.02      | 4.67       | 33.56      |
| AV   | 5.1478G      | 45.36             | 54.00             | -8.64          | 41.22         | 3           | Horizontal | 168            | 2.85          | -       | 33.05      | 4.65       | 33.56      |
| PK   | 5.2612G      | 119.72            | Inf               | -Inf           | 115.50        | 3           | Horizontal | 168            | 2.85          | -       | 33.16      | 4.63       | 33.57      |
| AV   | 5.2606G      | 107.08            | Inf               | -Inf           | 102.86        | 3           | Horizontal | 168            | 2.85          | -       | 33.16      | 4.63       | 33.57      |
| PK   | 5.3866G      | 58.96             | 74.00             | -15.04         | 54.38         | 3           | Horizontal | 168            | 2.85          | -       | 33.46      | 4.69       | 33.57      |
| AV   | 5.3674G      | 45.73             | 54.00             | -8.27          | 41.22         | 3           | Horizontal | 168            | 2.85          | -       | 33.40      | 4.68       | 33.57      |

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

25/12/2019

### 5260MHz\_TX



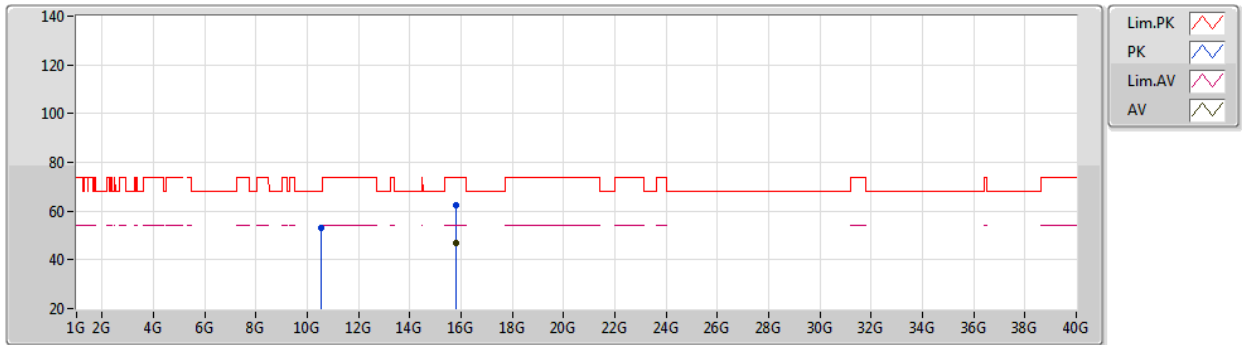
EUT Y\_4TX  
04-F-A-3

| 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   | 10.521G      | 53.13             | 68.20             | -15.07         | 41.28         | 3           | Vertical  | 29             | 2.77          | -       | 39.02      | 6.91       | 34.08      |
| PK   | 15.7855G     | 56.91             | 74.00             | -17.09         | 44.12         | 3           | Vertical  | 326            | 1.00          | -       | 38.84      | 9.43       | 35.48      |
| AV   | 15.7805G     | 44.21             | 54.00             | -9.79          | 31.43         | 3           | Vertical  | 326            | 1.00          | -       | 38.84      | 9.42       | 35.48      |

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

25/12/2019

### 5260MHz\_TX



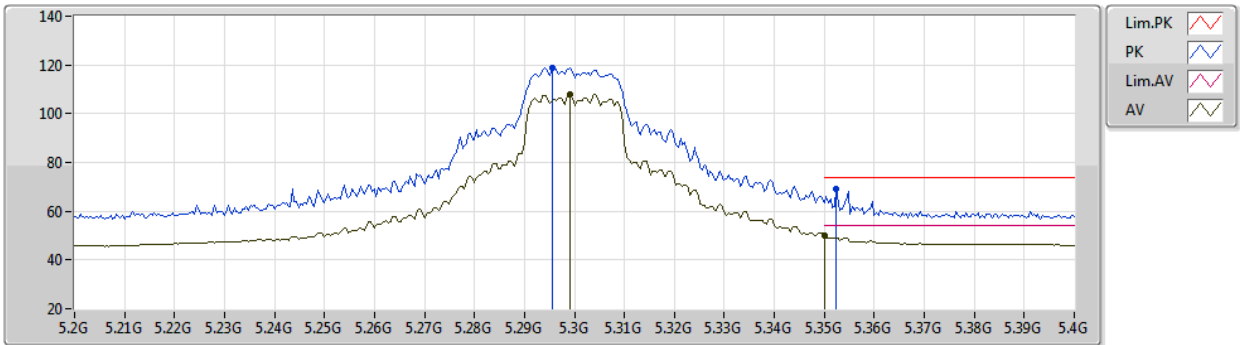
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5252G     | 53.24             | 68.20             | -14.96         | 41.38         | 3           | Horizontal | 140            | 1.45          | -       | 39.02      | 6.92       | 34.08      |
| PK   | 15.7855G     | 62.42             | 74.00             | -11.58         | 49.63         | 3           | Horizontal | 219            | 1.83          | -       | 38.84      | 9.43       | 35.48      |
| AV   | 15.7805G     | 46.75             | 54.00             | -7.25          | 33.97         | 3           | Horizontal | 219            | 1.83          | -       | 38.84      | 9.42       | 35.48      |

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

25/12/2019

## 5300MHz\_TX



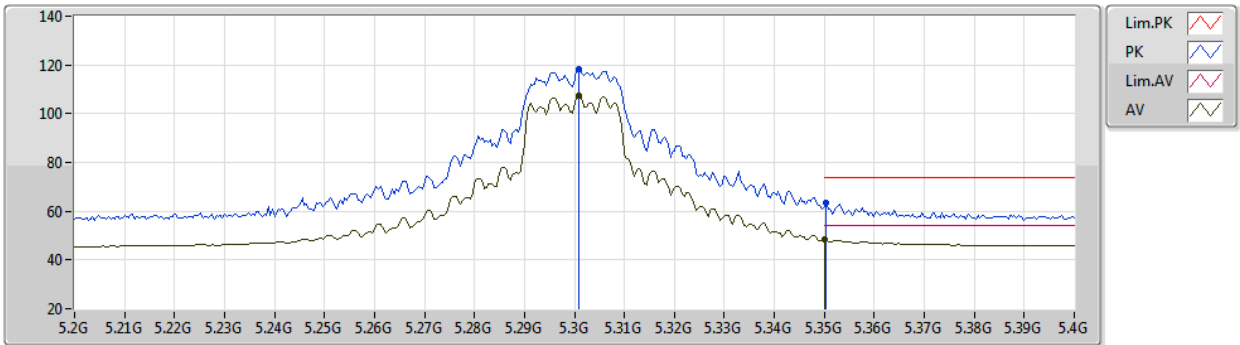
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.2956G      | 118.74            | Inf               | -Inf           | 114.46        | 3           | Vertical  | 306            | 1.32          | -       | 33.20      | 4.65       | 33.57      |
| AV   | 5.2992G      | 107.97            | Inf               | -Inf           | 103.69        | 3           | Vertical  | 306            | 1.32          | -       | 33.20      | 4.65       | 33.57      |
| PK   | 5.3524G      | 69.07             | 74.00             | -4.93          | 64.60         | 3           | Vertical  | 306            | 1.32          | -       | 33.36      | 4.68       | 33.57      |
| AV   | 5.35G        | 49.75             | 54.00             | -4.25          | 45.29         | 3           | Vertical  | 306            | 1.32          | -       | 33.35      | 4.68       | 33.57      |

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

25/12/2019

## 5300MHz\_TX



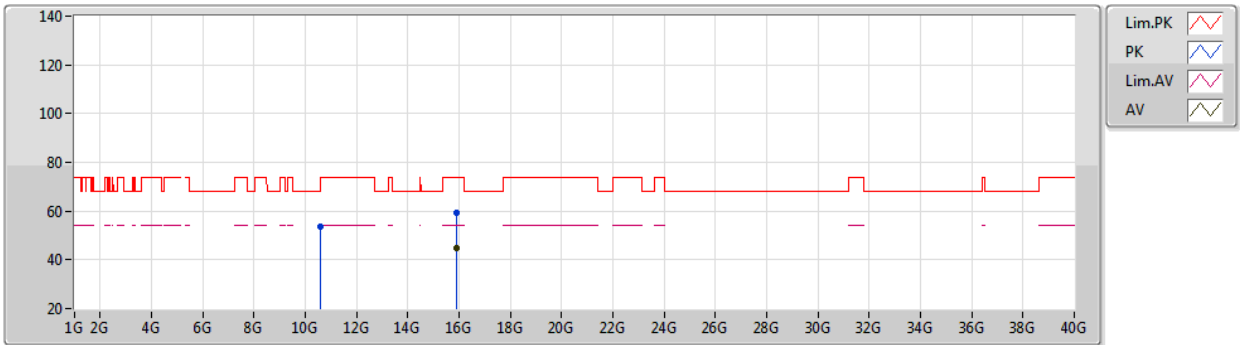
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.3008G      | 118.17            | Inf               | -Inf           | 113.89        | 3           | Horizontal | 173            | 2.97          | -       | 33.20      | 4.65       | 33.57      |
| AV   | 5.3008G      | 107.37            | Inf               | -Inf           | 103.09        | 3           | Horizontal | 173            | 2.97          | -       | 33.20      | 4.65       | 33.57      |
| PK   | 5.3504G      | 63.47             | 74.00             | -10.53         | 59.01         | 3           | Horizontal | 173            | 2.97          | -       | 33.35      | 4.68       | 33.57      |
| AV   | 5.35G        | 48.35             | 54.00             | -5.65          | 43.89         | 3           | Horizontal | 173            | 2.97          | -       | 33.35      | 4.68       | 33.57      |

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

25/12/2019

## 5300MHz\_TX



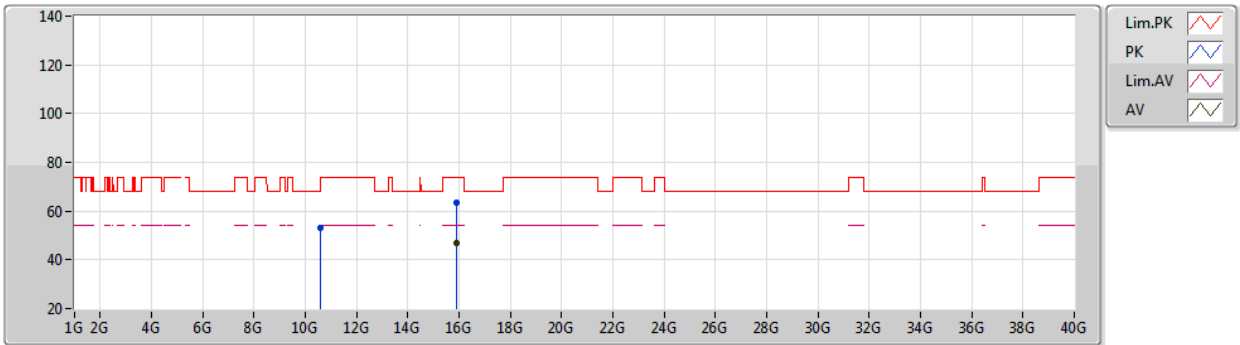
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5992G     | 53.60             | 68.20             | -14.60         | 41.69         | 3           | Vertical  | 95             | 1.85          | -       | 39.08      | 6.96       | 34.13      |
| PK   | 15.8915G     | 59.40             | 74.00             | -14.60         | 46.68         | 3           | Vertical  | 300            | 1.82          | -       | 38.72      | 9.51       | 35.51      |
| AV   | 15.9014G     | 44.60             | 54.00             | -9.40          | 31.88         | 3           | Vertical  | 300            | 1.82          | -       | 38.71      | 9.52       | 35.51      |

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

25/12/2019

## 5300MHz\_TX



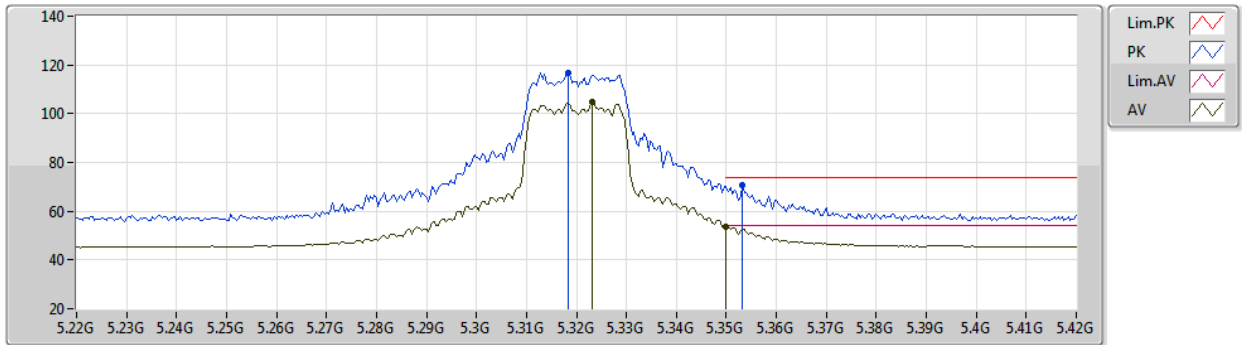
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5994G     | 53.32             | 68.20             | -14.88         | 41.41         | 3           | Horizontal | 343            | 1.38          | -       | 39.08      | 6.96       | 34.13      |
| PK   | 15.8956G     | 63.22             | 74.00             | -10.78         | 50.50         | 3           | Horizontal | 218            | 1.80          | -       | 38.71      | 9.52       | 35.51      |
| AV   | 15.9026G     | 46.99             | 54.00             | -7.01          | 34.27         | 3           | Horizontal | 218            | 1.80          | -       | 38.71      | 9.52       | 35.51      |

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

25/12/2019

## 5320MHz\_TX

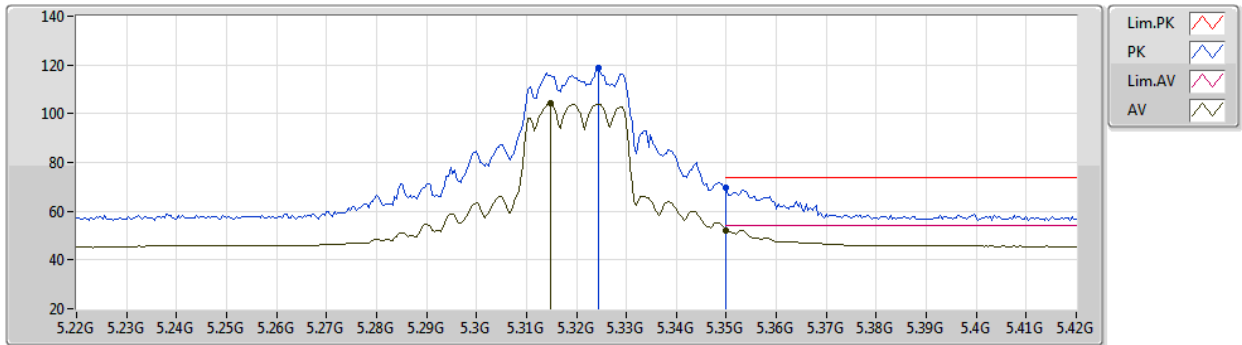

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.3184G      | 116.77            | Inf               | -Inf           | 112.42        | 3           | Vertical  | 317            | 2.12          | -       | 33.26      | 4.66       | 33.57      |
| AV   | 5.3232G      | 104.58            | Inf               | -Inf           | 100.22        | 3           | Vertical  | 317            | 2.12          | -       | 33.27      | 4.66       | 33.57      |
| PK   | 5.3532G      | 70.84             | 74.00             | -3.16          | 66.37         | 3           | Vertical  | 317            | 2.12          | -       | 33.36      | 4.68       | 33.57      |
| AV   | 5.35G        | 53.87             | 54.00             | -0.13          | 49.41         | 3           | Vertical  | 317            | 2.12          | -       | 33.35      | 4.68       | 33.57      |

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

25/12/2019

## 5320MHz\_TX

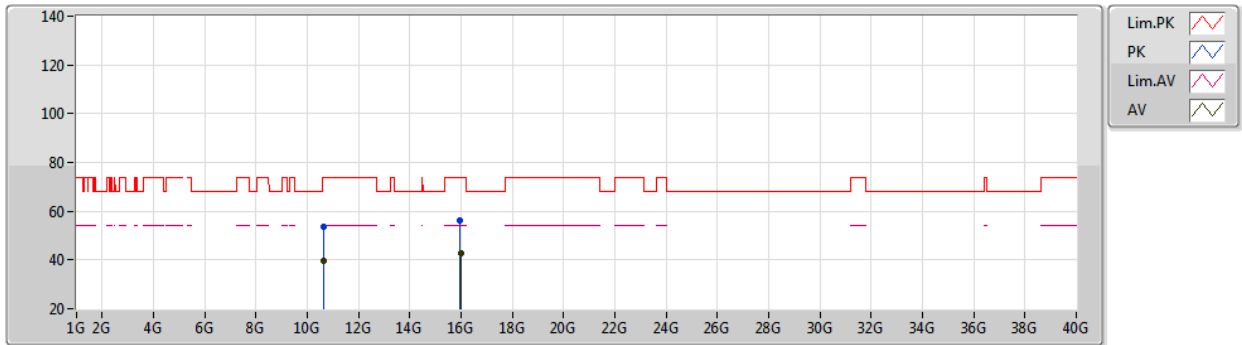

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.3244G      | 119.01            | Inf               | -Inf           | 114.65        | 3           | Horizontal | 125            | 1.45          | -       | 33.27      | 4.66       | 33.57      |
| AV   | 5.3148G      | 104.16            | Inf               | -Inf           | 99.83         | 3           | Horizontal | 125            | 1.45          | -       | 33.24      | 4.66       | 33.57      |
| PK   | 5.35G        | 69.70             | 74.00             | -4.30          | 65.24         | 3           | Horizontal | 125            | 1.45          | -       | 33.35      | 4.68       | 33.57      |
| AV   | 5.35G        | 52.26             | 54.00             | -1.74          | 47.80         | 3           | Horizontal | 125            | 1.45          | -       | 33.35      | 4.68       | 33.57      |

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

25/12/2019

## 5320MHz\_TX



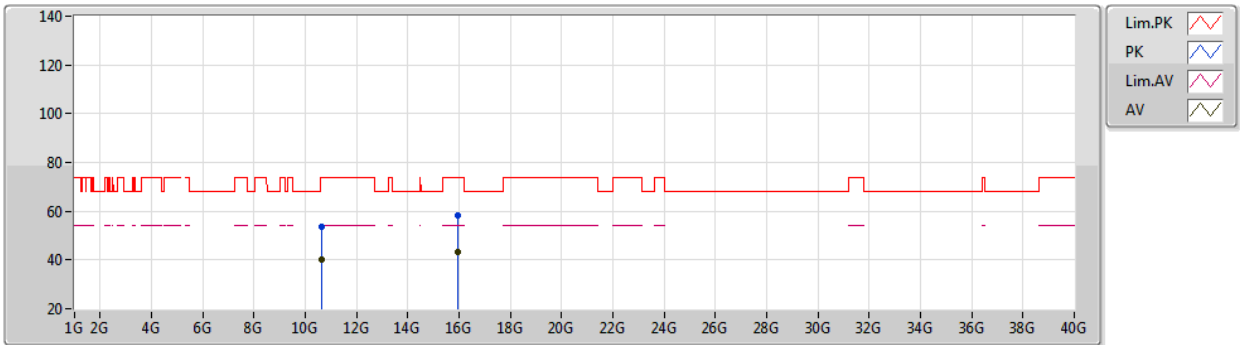
EUT Y\_4TX  
04-F-A-3

| 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   | 10.6432G     | 53.55             | 74.00             | -20.45         | 41.61         | 3           | Vertical  | 128            | 1.91          | -       | 39.11      | 6.99       | 34.16      |
| AV   | 10.6157G     | 39.79             | 54.00             | -14.21         | 27.87         | 3           | Vertical  | 128            | 1.91          | -       | 39.09      | 6.97       | 34.14      |
| PK   | 15.9658G     | 56.32             | 74.00             | -17.68         | 43.64         | 3           | Vertical  | 113            | 1.80          | -       | 38.64      | 9.57       | 35.53      |
| AV   | 15.9821G     | 42.78             | 54.00             | -11.22         | 30.11         | 3           | Vertical  | 113            | 1.80          | -       | 38.62      | 9.59       | 35.54      |

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

25/12/2019

## 5320MHz\_TX



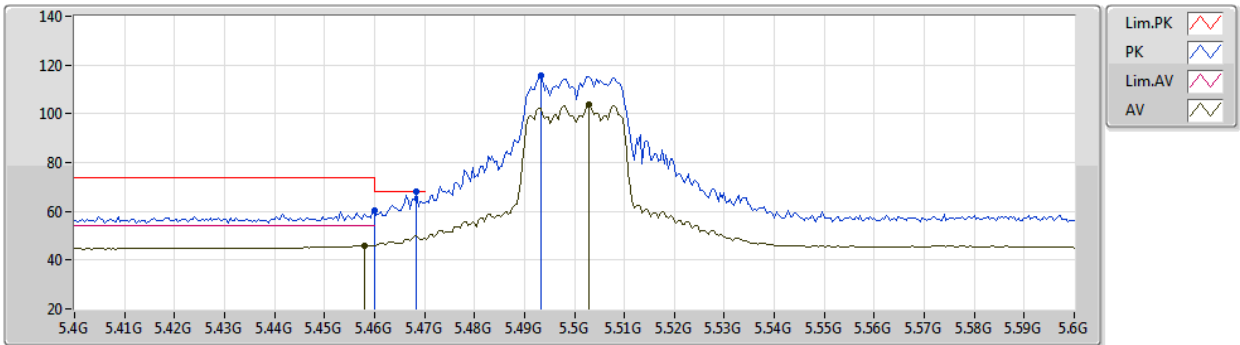
EUT Y\_4TX  
04-F-A-3

| 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   | 10.6432G     | 53.53             | 74.00             | -20.47         | 41.59         | 3           | Horizontal | 192            | 2.97          | -       | 39.11      | 6.99       | 34.16      |
| AV   | 10.659G      | 39.93             | 54.00             | -14.07         | 27.97         | 3           | Horizontal | 192            | 2.97          | -       | 39.13      | 7.00       | 34.17      |
| PK   | 15.9618G     | 58.18             | 74.00             | -15.82         | 45.50         | 3           | Horizontal | 226            | 1.61          | -       | 38.64      | 9.57       | 35.53      |
| AV   | 15.9584G     | 43.16             | 54.00             | -10.84         | 30.47         | 3           | Horizontal | 226            | 1.61          | -       | 38.65      | 9.57       | 35.53      |

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

25/12/2019

## 5500MHz\_TX



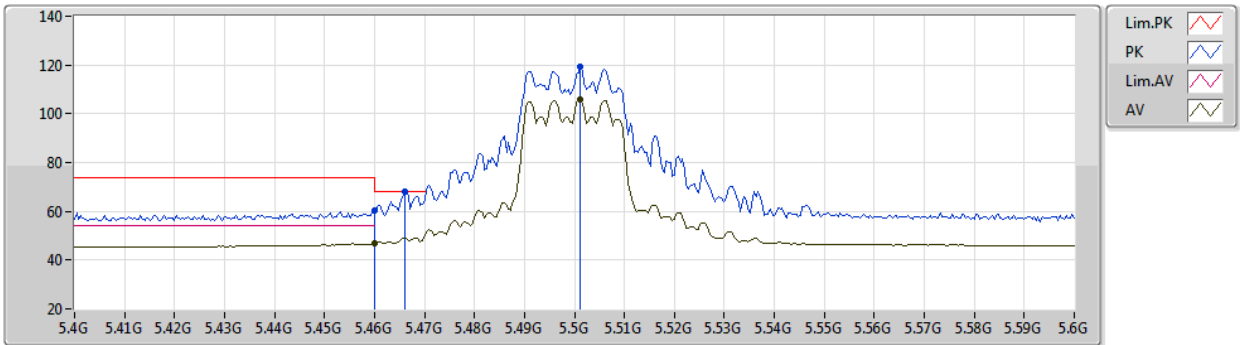
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.46G        | 60.17             | 74.00             | -13.83         | 55.31         | 3           | Vertical  | 134            | 1.80          | -       | 33.68      | 4.76       | 33.58      |  |
| AV   | 5.458G       | 46.02             | 54.00             | -7.98          | 41.17         | 3           | Vertical  | 134            | 1.80          | -       | 33.67      | 4.76       | 33.58      |  |
| PK   | 5.4684G      | 68.05             | 68.20             | -0.15          | 63.15         | 3           | Vertical  | 134            | 1.80          | -       | 33.71      | 4.77       | 33.58      |  |
| PK   | 5.4932G      | 115.79            | Inf               | -Inf           | 110.80        | 3           | Vertical  | 134            | 1.80          | -       | 33.78      | 4.79       | 33.58      |  |
| AV   | 5.5028G      | 103.61            | Inf               | -Inf           | 98.57         | 3           | Vertical  | 134            | 1.80          | -       | 33.81      | 4.81       | 33.58      |  |

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

25/12/2019

## 5500MHz\_TX



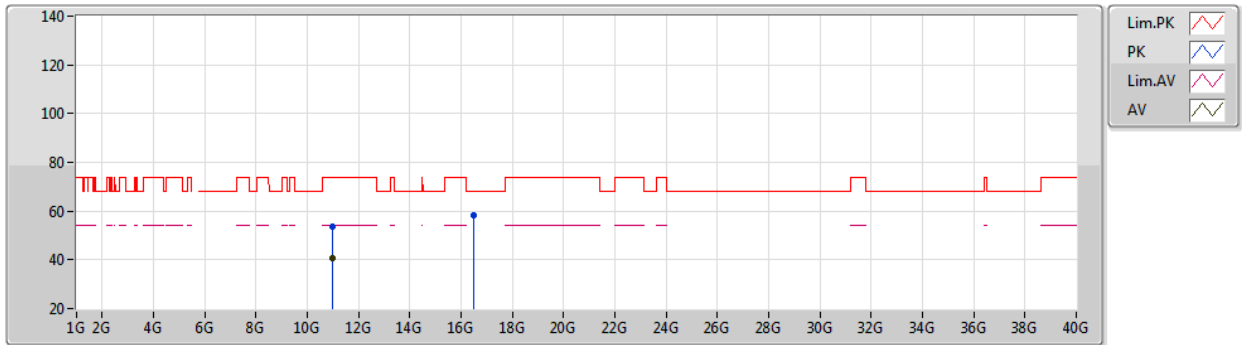
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.46G        | 60.36             | 74.00             | -13.64         | 55.50         | 3           | Horizontal | 174            | 2.83          | -       | 33.68      | 4.76       | 33.58      |
| AV   | 5.46G        | 46.88             | 54.00             | -7.12          | 42.02         | 3           | Horizontal | 174            | 2.83          | -       | 33.68      | 4.76       | 33.58      |
| PK   | 5.466G       | 67.93             | 68.20             | -0.27          | 63.04         | 3           | Horizontal | 174            | 2.83          | -       | 33.70      | 4.77       | 33.58      |
| PK   | 5.5012G      | 119.21            | Inf               | -Inf           | 114.19        | 3           | Horizontal | 174            | 2.83          | -       | 33.80      | 4.80       | 33.58      |
| AV   | 5.5012G      | 105.88            | Inf               | -Inf           | 100.86        | 3           | Horizontal | 174            | 2.83          | -       | 33.80      | 4.80       | 33.58      |

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

25/12/2019

## 5500MHz\_TX



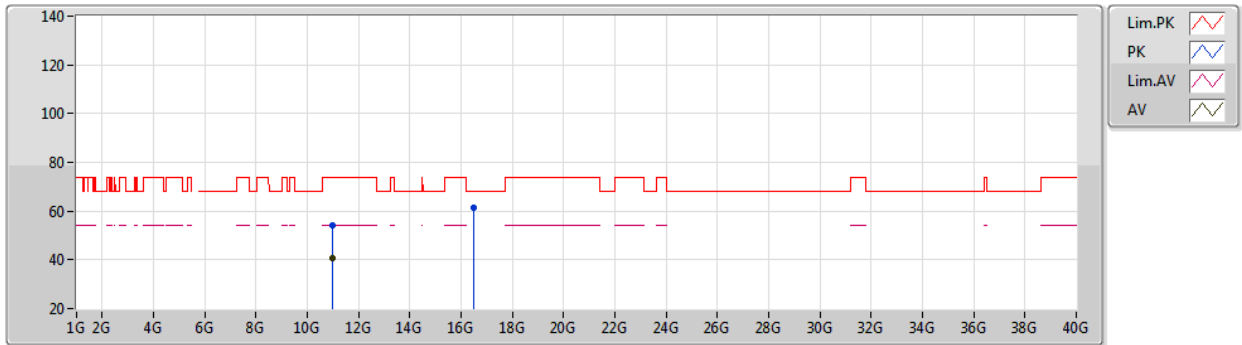
EUT Y\_4TX  
04-F-A-3

| 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   | 11.0033G     | 53.67             | 74.00             | -20.33         | 41.48         | 3           | Vertical  | 137            | 2.28          | -       | 39.40      | 7.20       | 34.41      |
| AV   | 10.9956G     | 40.70             | 54.00             | -13.30         | 28.51         | 3           | Vertical  | 137            | 2.28          | -       | 39.40      | 7.20       | 34.41      |
| PK   | 16.5135G     | 58.37             | 68.20             | -9.83          | 44.49         | 3           | Vertical  | 16             | 2.15          | -       | 39.73      | 9.70       | 35.55      |

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

25/12/2019

## 5500MHz\_TX

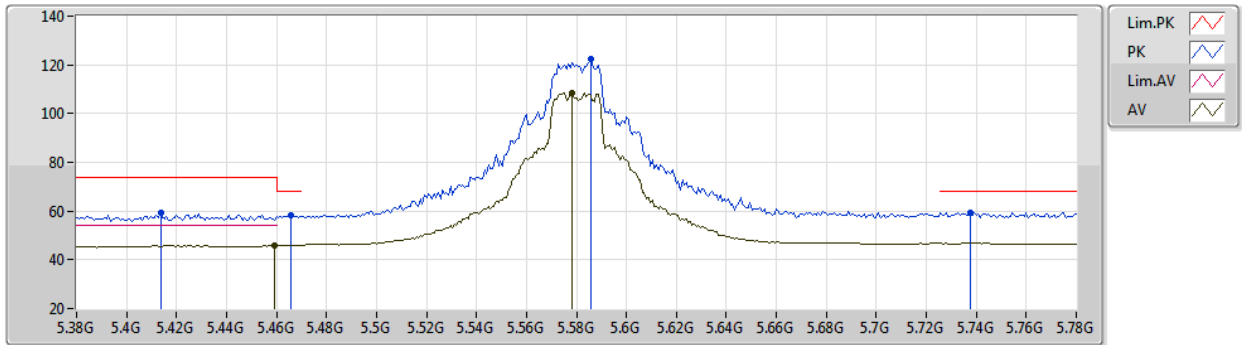

EUT Y\_4TX  
04-F-A-3

| 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   | 10.998G      | 54.22             | 74.00             | -19.78         | 42.03         | 3           | Horizontal | 156            | 1.55          | -       | 39.40      | 7.20       | 34.41      |
| AV   | 10.9946G     | 40.79             | 54.00             | -13.21         | 28.60         | 3           | Horizontal | 156            | 1.55          | -       | 39.40      | 7.20       | 34.41      |
| PK   | 16.501G      | 61.59             | 68.20             | -6.61          | 47.74         | 3           | Horizontal | 222            | 1.79          | -       | 39.70      | 9.70       | 35.55      |

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

25/12/2019

## 5580MHz\_TX

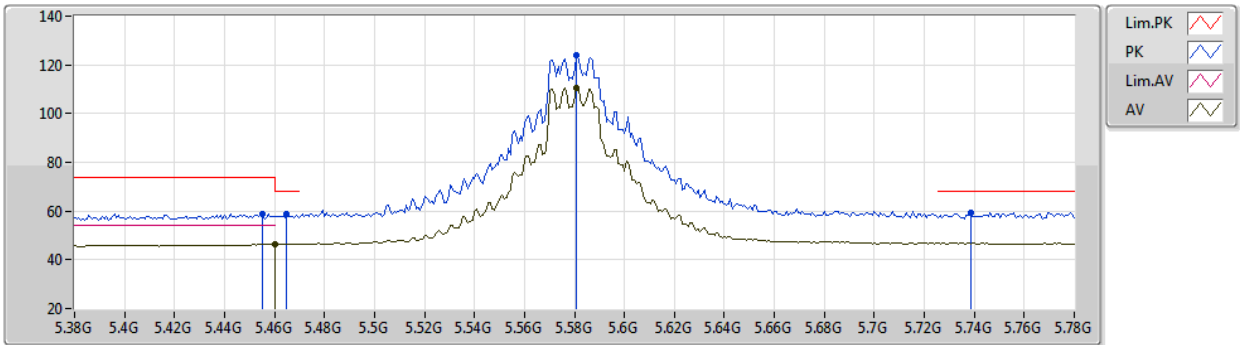

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4136G      | 59.29             | 74.00             | -14.71         | 54.61         | 3           | Vertical  | 118            | 2.21          | -       | 33.54      | 4.71       | 33.57      |
| PK   | 5.4656G      | 58.30             | 68.20             | -9.90          | 53.41         | 3           | Vertical  | 118            | 2.21          | -       | 33.70      | 4.77       | 33.58      |
| AV   | 5.4592G      | 45.80             | 54.00             | -8.20          | 40.94         | 3           | Vertical  | 118            | 2.21          | -       | 33.68      | 4.76       | 33.58      |
| PK   | 5.5856G      | 122.34            | Inf               | -Inf           | 117.01        | 3           | Vertical  | 118            | 2.21          | -       | 33.97      | 4.97       | 33.61      |
| AV   | 5.5784G      | 108.59            | Inf               | -Inf           | 103.27        | 3           | Vertical  | 118            | 2.21          | -       | 33.96      | 4.96       | 33.60      |
| PK   | 5.7376G      | 59.55             | 68.20             | -8.65          | 54.08         | 3           | Vertical  | 118            | 2.21          | -       | 34.18      | 4.93       | 33.64      |

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

25/12/2019

## 5580MHz\_TX

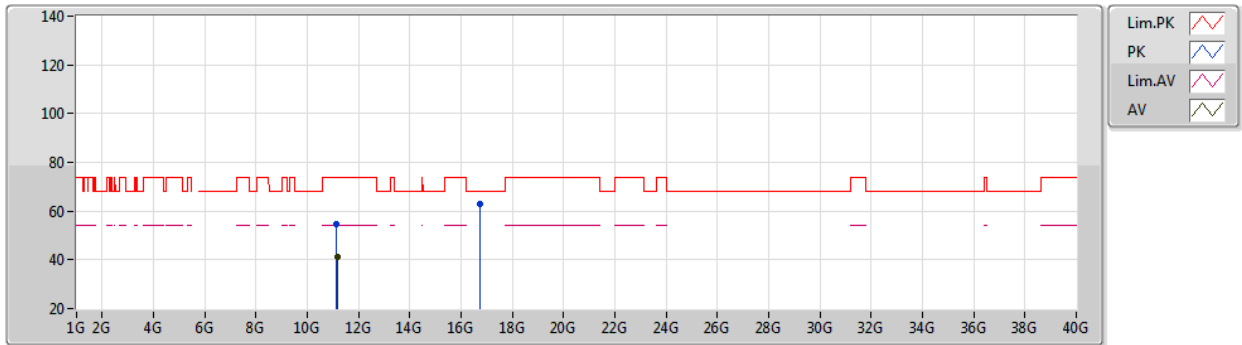

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4552G      | 58.83             | 74.00             | -15.17         | 53.98         | 3           | Horizontal | 177            | 2.67          | -       | 33.67      | 4.76       | 33.58      |
| AV   | 5.46G        | 46.37             | 54.00             | -7.63          | 41.51         | 3           | Horizontal | 177            | 2.67          | -       | 33.68      | 4.76       | 33.58      |
| PK   | 5.4648G      | 58.76             | 68.20             | -9.44          | 53.89         | 3           | Horizontal | 177            | 2.67          | -       | 33.69      | 4.76       | 33.58      |
| PK   | 5.5808G      | 123.94            | Inf               | -Inf           | 118.62        | 3           | Horizontal | 177            | 2.67          | -       | 33.96      | 4.96       | 33.60      |
| AV   | 5.5808G      | 110.52            | Inf               | -Inf           | 105.20        | 3           | Horizontal | 177            | 2.67          | -       | 33.96      | 4.96       | 33.60      |
| PK   | 5.7384G      | 59.35             | 68.20             | -8.85          | 53.88         | 3           | Horizontal | 177            | 2.67          | -       | 34.18      | 4.93       | 33.64      |

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

25/12/2019

### 5580MHz\_TX



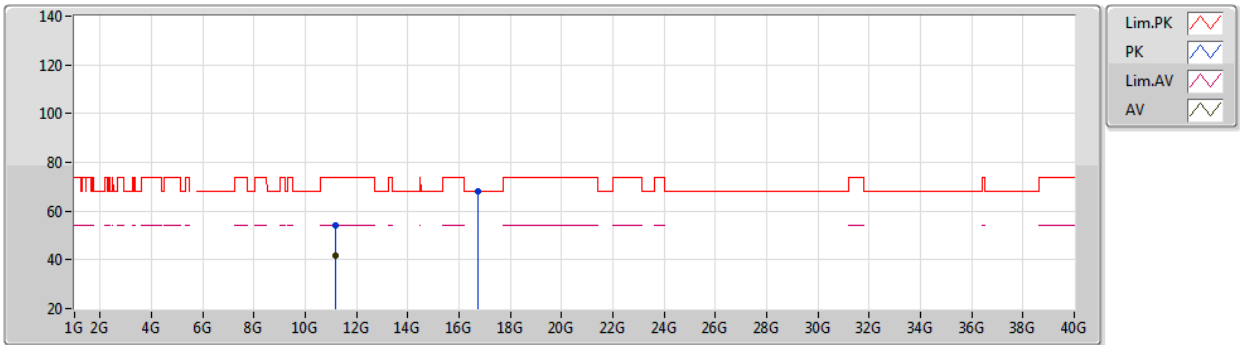
EUT Y\_4TX  
04-F-A-3

| 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   | 11.1454G     | 54.68             | 74.00             | -19.32         | 42.66         | 3           | Vertical  | 223            | 2.97          | -       | 39.33      | 7.21       | 34.52      |
| AV   | 11.1604G     | 41.01             | 54.00             | -12.99         | 29.00         | 3           | Vertical  | 223            | 2.97          | -       | 39.32      | 7.22       | 34.53      |
| PK   | 16.731G      | 62.78             | 68.20             | -5.42          | 48.37         | 3           | Vertical  | 278            | 2.75          | -       | 40.21      | 9.75       | 35.55      |

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

25/12/2019

### 5580MHz\_TX



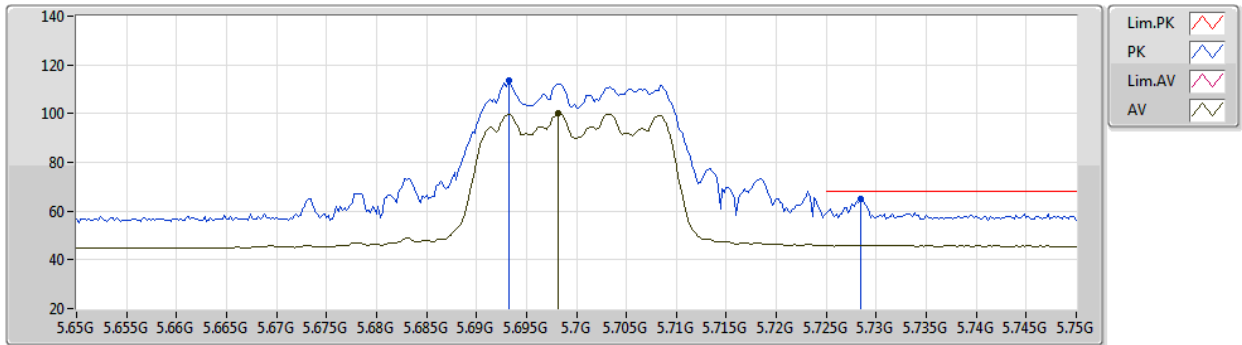
EUT Y\_4TX  
04-F-A-3

| 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   | 11.1594G     | 54.18             | 74.00             | -19.82         | 42.17         | 3           | Horizontal | 347            | 2.07          | -       | 39.32      | 7.22       | 34.53      |
| AV   | 11.1592G     | 41.74             | 54.00             | -12.26         | 29.73         | 3           | Horizontal | 347            | 2.07          | -       | 39.32      | 7.22       | 34.53      |
| PK   | 16.7409G     | 67.92             | 68.20             | -0.28          | 53.49         | 3           | Horizontal | 227            | 1.80          | -       | 40.23      | 9.75       | 35.55      |

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

25/12/2019

## 5700MHz\_TX



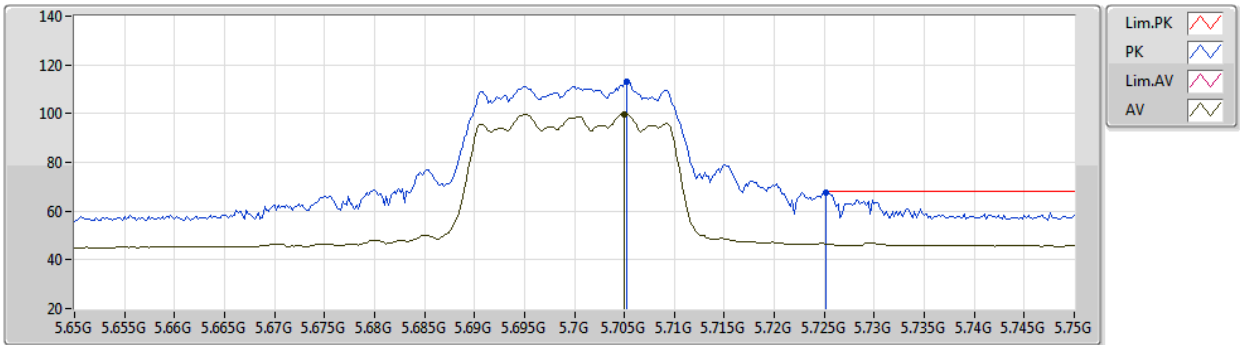
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.6932G      | 113.77            | Inf               | -Inf           | 108.36        | 3           | Vertical  | 317            | 2.96          | -       | 34.09      | 4.95       | 33.63      |
| AV   | 5.6982G      | 99.98             | Inf               | -Inf           | 94.56         | 3           | Vertical  | 317            | 2.96          | -       | 34.10      | 4.95       | 33.63      |
| PK   | 5.7284G      | 64.85             | 68.20             | -3.35          | 59.39         | 3           | Vertical  | 317            | 2.96          | -       | 34.16      | 4.94       | 33.64      |

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

25/12/2019

## 5700MHz\_TX



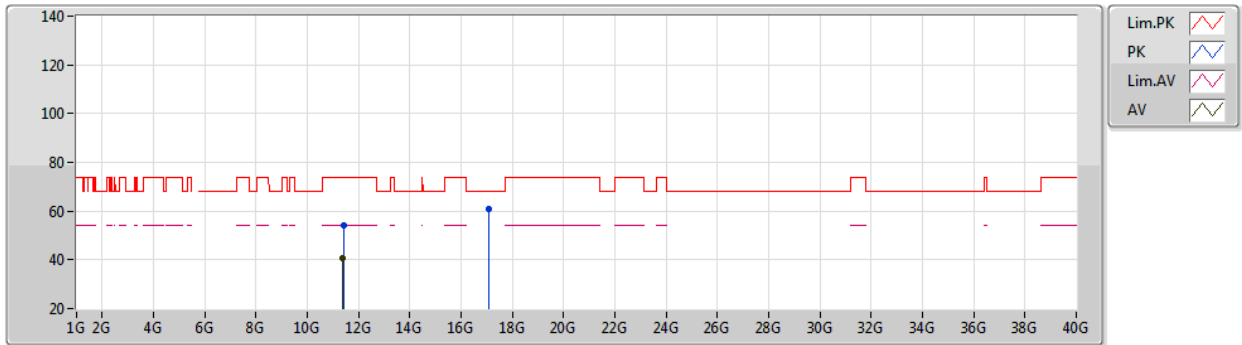
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.7052G      | 113.10            | Inf               | -Inf           | 107.67        | 3           | Horizontal | 5              | 1.56          | -       | 34.11      | 4.95       | 33.63      |
| AV   | 5.705G       | 99.84             | Inf               | -Inf           | 94.41         | 3           | Horizontal | 5              | 1.56          | -       | 34.11      | 4.95       | 33.63      |
| PK   | 5.7252G      | 67.75             | 68.20             | -0.45          | 62.30         | 3           | Horizontal | 5              | 1.56          | -       | 34.15      | 4.94       | 33.64      |

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

25/12/2019

### 5700MHz\_TX



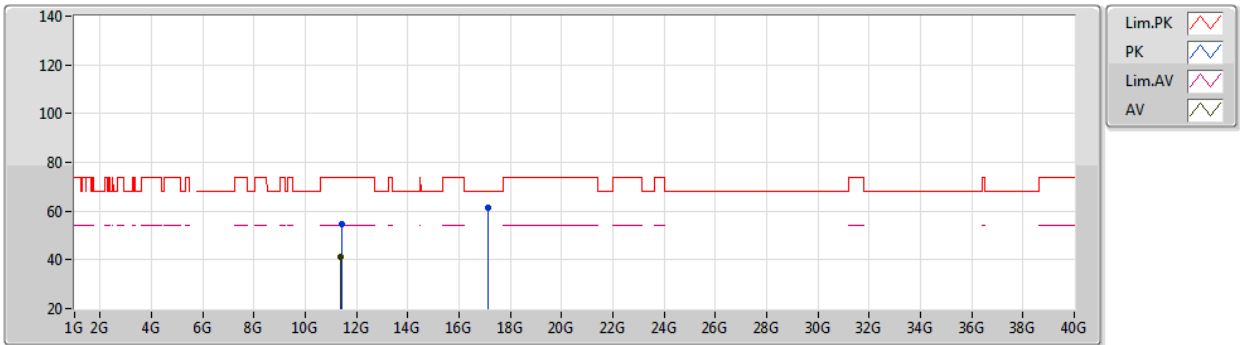
EUT Y\_4TX  
04-F-A-3

| 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   | 11.406G      | 53.90             | 74.00             | -20.10         | 42.17         | 3           | Vertical  | 132            | 2.31          | -       | 39.20      | 7.24       | 34.71      |
| AV   | 11.3895G     | 40.67             | 54.00             | -13.33         | 28.92         | 3           | Vertical  | 132            | 2.31          | -       | 39.21      | 7.24       | 34.70      |
| PK   | 17.0909G     | 60.80             | 68.20             | -7.40          | 45.61         | 3           | Vertical  | 78             | 1.87          | -       | 40.88      | 9.84       | 35.53      |

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

25/12/2019

## 5700MHz\_TX



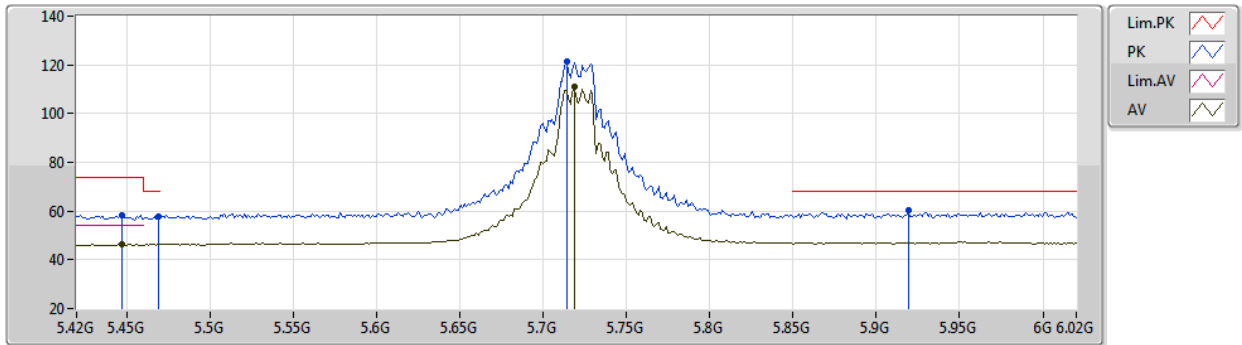
EUT Y\_4TX  
04-F-A-3

| 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   | 11.4096G     | 54.74             | 74.00             | -19.26         | 43.01         | 3           | Horizontal | 348            | 1.56          | -       | 39.20      | 7.24       | 34.71      |
| AV   | 11.3998G     | 41.12             | 54.00             | -12.88         | 29.39         | 3           | Horizontal | 348            | 1.56          | -       | 39.20      | 7.24       | 34.71      |
| PK   | 17.11G       | 61.22             | 68.20             | -6.98          | 46.01         | 3           | Horizontal | 313            | 1.80          | -       | 40.90      | 9.84       | 35.53      |

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

25/12/2019

## 5720MHz\_TX

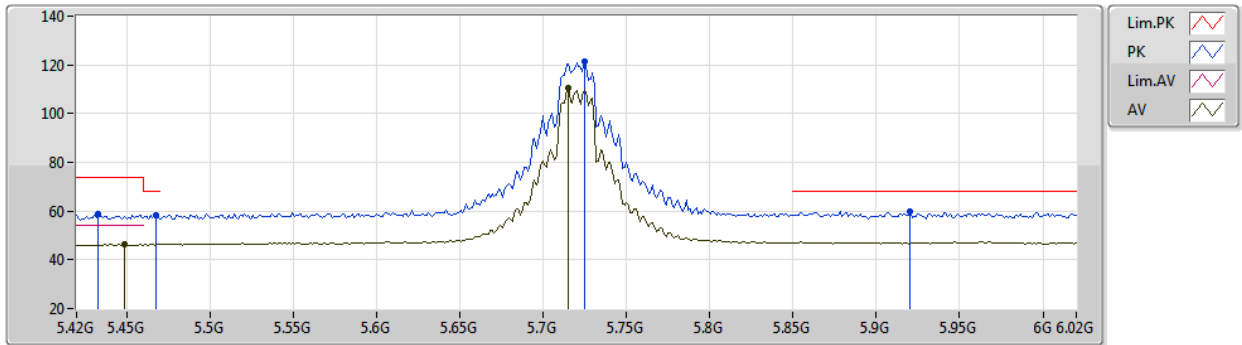

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4476G      | 58.39             | 74.00             | -15.61         | 52.69         | 3           | Vertical  | 309            | 1.80          | -       | 34.52      | 4.75       | 33.57      |
| AV   | 5.4476G      | 46.33             | 54.00             | -7.67          | 40.63         | 3           | Vertical  | 309            | 1.80          | -       | 34.52      | 4.75       | 33.57      |
| PK   | 5.4692G      | 57.80             | 68.20             | -10.40         | 52.06         | 3           | Vertical  | 309            | 1.80          | -       | 34.55      | 4.77       | 33.58      |
| PK   | 5.714G       | 121.55            | Inf               | -Inf           | 115.00        | 3           | Vertical  | 309            | 1.80          | -       | 35.24      | 4.94       | 33.63      |
| AV   | 5.7188G      | 110.78            | Inf               | -Inf           | 104.22        | 3           | Vertical  | 309            | 1.80          | -       | 35.26      | 4.94       | 33.64      |
| PK   | 5.9192G      | 60.33             | 68.20             | -7.87          | 53.20         | 3           | Vertical  | 309            | 1.80          | -       | 35.86      | 4.96       | 33.69      |

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

25/12/2019

## 5720MHz\_TX

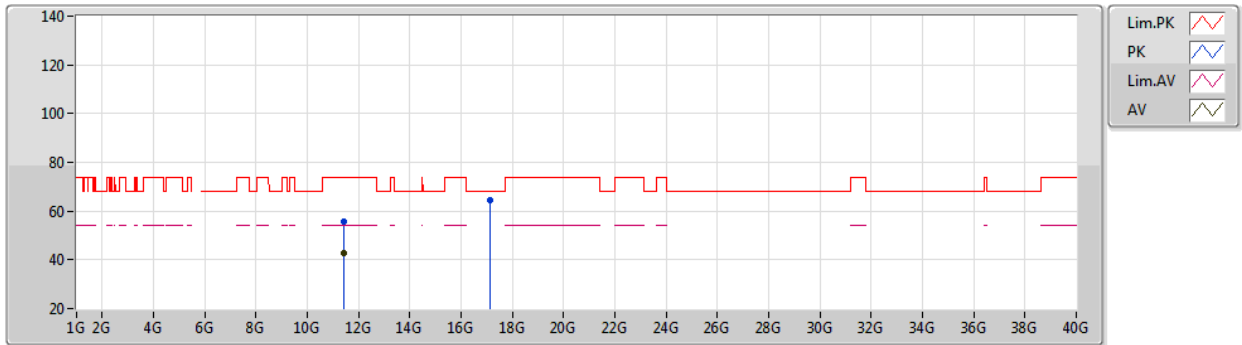

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4332G      | 58.73             | 74.00             | -15.27         | 53.04         | 3           | Horizontal | 7              | 1.22          | -       | 31.67      | 5.80       | 31.78      |
| AV   | 5.4488G      | 46.33             | 54.00             | -7.67          | 40.61         | 3           | Horizontal | 7              | 1.22          | -       | 31.70      | 5.80       | 31.78      |
| PK   | 5.468G       | 58.28             | 68.20             | -9.92          | 52.53         | 3           | Horizontal | 7              | 1.22          | -       | 31.74      | 5.80       | 31.79      |
| PK   | 5.7248G      | 121.53            | Inf               | -Inf           | 115.71        | 3           | Horizontal | 7              | 1.22          | -       | 31.80      | 5.92       | 31.90      |
| AV   | 5.7152G      | 110.36            | Inf               | -Inf           | 104.59        | 3           | Horizontal | 7              | 1.22          | -       | 31.76      | 5.91       | 31.90      |
| PK   | 5.9204G      | 59.65             | 68.20             | -8.55          | 53.30         | 3           | Horizontal | 7              | 1.22          | -       | 32.40      | 5.94       | 31.99      |

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

25/12/2019

## 5720MHz\_TX



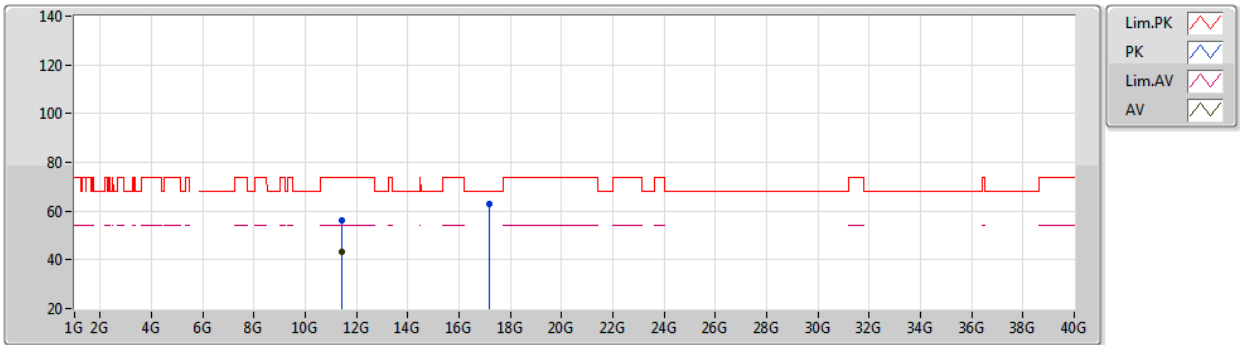
EUT Y\_4TX  
04-F-A-3

| 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   | 11.42512G    | 55.74             | 74.00             | -18.26         | 41.63         | 3           | Vertical  | 186            | 1.65          | -       | 39.76      | 8.10       | 33.75      |  |
| AV   | 11.42576G    | 42.60             | 54.00             | -11.40         | 28.49         | 3           | Vertical  | 186            | 1.65          | -       | 39.76      | 8.10       | 33.75      |  |
| PK   | 17.15128G    | 64.27             | 68.20             | -3.93          | 46.46         | 3           | Vertical  | 176            | 1.07          | -       | 42.21      | 9.45       | 33.85      |  |

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

25/12/2019

## 5720MHz\_TX



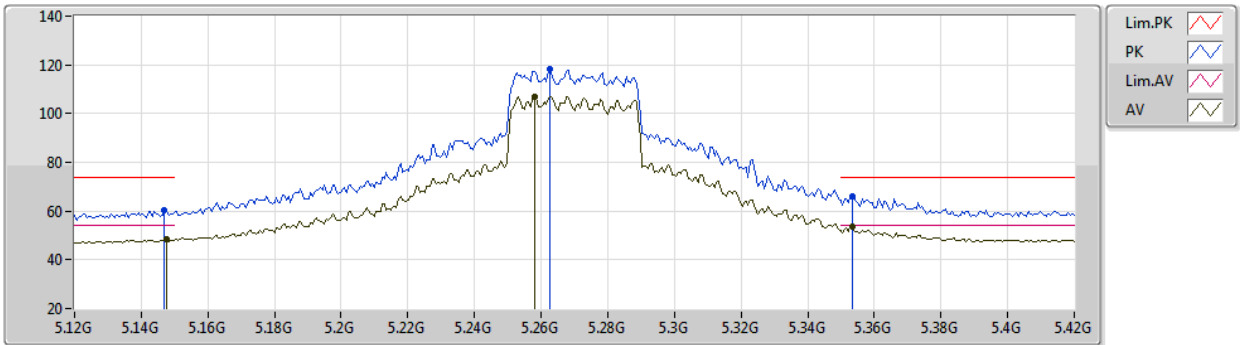
EUT Y\_4TX  
04-F-A-3

| 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   | 11.4288G     | 56.16             | 74.00             | -17.84         | 42.05         | 3           | Horizontal | 106            | 2.23          | -       | 39.76      | 8.10       | 33.75      |
| AV   | 11.43408G    | 43.40             | 54.00             | -10.60         | 29.31         | 3           | Horizontal | 106            | 2.23          | -       | 39.75      | 8.10       | 33.76      |
| PK   | 17.17152G    | 62.78             | 68.20             | -5.42          | 44.75         | 3           | Horizontal | 200            | 1.00          | -       | 42.42      | 9.46       | 33.85      |

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

25/12/2019

## 5270MHz\_TX



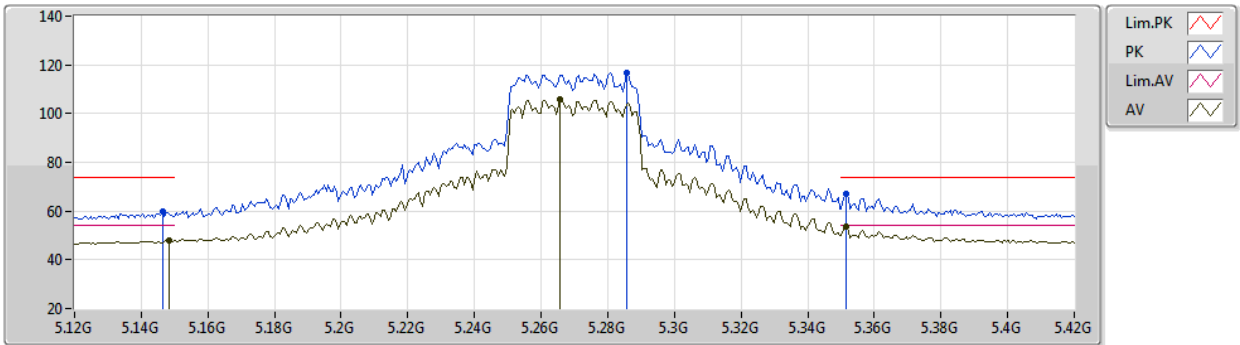
EUT Y\_4TX  
04-F-A-3-10

| 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       | 60.22             | 74.00             | -13.78         | 56.08         | 3           | Vertical  | 262            | 1.41          | -       | 33.05      | 4.65       | 33.56      |
| AV   | 5.1476G      | 48.20             | 54.00             | -5.80          | 44.06         | 3           | Vertical  | 262            | 1.41          | -       | 33.05      | 4.65       | 33.56      |
| PK   | 5.2628G      | 118.53            | Inf               | -Inf           | 114.31        | 3           | Vertical  | 262            | 1.41          | -       | 33.16      | 4.63       | 33.57      |
| AV   | 5.258G       | 106.98            | Inf               | -Inf           | 102.76        | 3           | Vertical  | 262            | 1.41          | -       | 33.16      | 4.63       | 33.57      |
| PK   | 5.3534G      | 66.27             | 74.00             | -7.73          | 61.80         | 3           | Vertical  | 262            | 1.41          | -       | 33.36      | 4.68       | 33.57      |
| AV   | 5.3534G      | 53.64             | 54.00             | -0.36          | 49.17         | 3           | Vertical  | 262            | 1.41          | -       | 33.36      | 4.68       | 33.57      |

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

25/12/2019

## 5270MHz\_TX

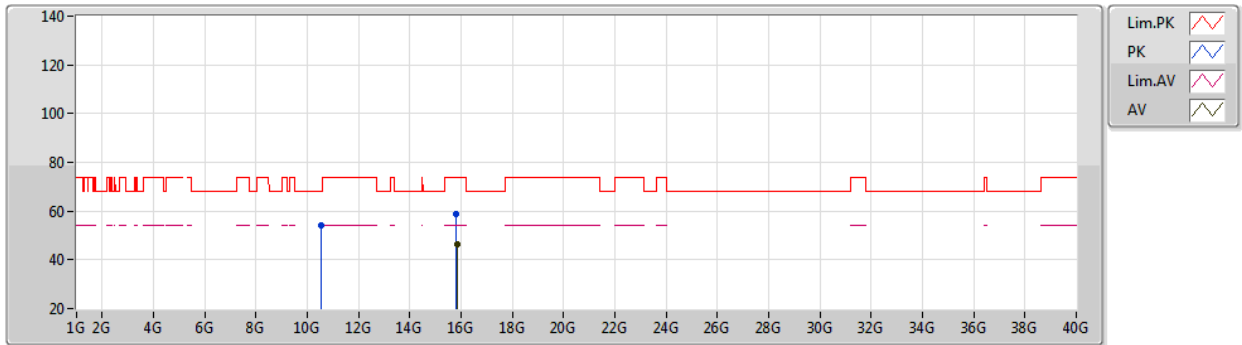

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.1464G      | 59.73             | 74.00             | -14.27         | 55.59         | 3           | Horizontal | 169            | 2.85          | -       | 33.05      | 4.65       | 33.56      |
| AV   | 5.1482G      | 47.91             | 54.00             | -6.09          | 43.77         | 3           | Horizontal | 169            | 2.85          | -       | 33.05      | 4.65       | 33.56      |
| PK   | 5.2856G      | 116.87            | Inf               | -Inf           | 112.61        | 3           | Horizontal | 169            | 2.85          | -       | 33.19      | 4.64       | 33.57      |
| AV   | 5.2658G      | 105.84            | Inf               | -Inf           | 101.61        | 3           | Horizontal | 169            | 2.85          | -       | 33.17      | 4.63       | 33.57      |
| PK   | 5.3516G      | 67.22             | 74.00             | -6.78          | 62.76         | 3           | Horizontal | 169            | 2.85          | -       | 33.35      | 4.68       | 33.57      |
| AV   | 5.3516G      | 53.53             | 54.00             | -0.47          | 49.07         | 3           | Horizontal | 169            | 2.85          | -       | 33.35      | 4.68       | 33.57      |

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

25/12/2019

### 5270MHz\_TX



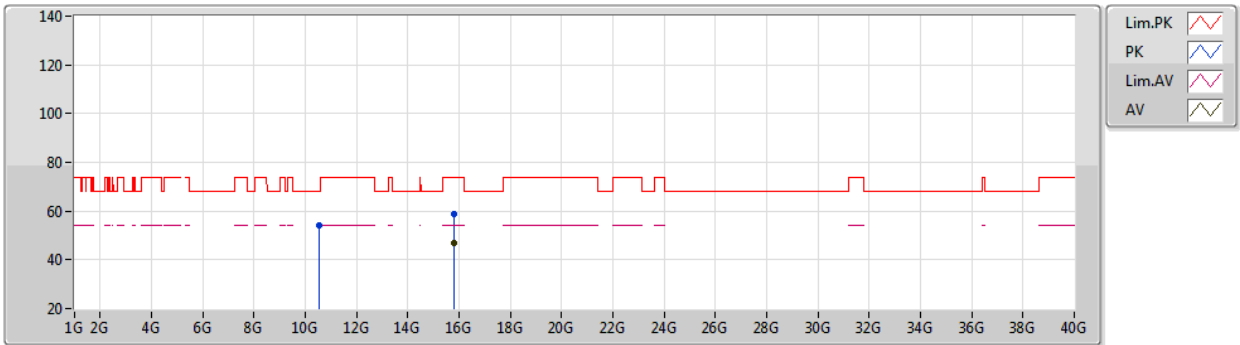
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5444G     | 54.02             | 68.20             | -14.18         | 42.15         | 3           | Vertical  | 76             | 2.34          | -       | 39.04      | 6.93       | 34.10      |
| PK   | 15.8106G     | 58.76             | 74.00             | -15.24         | 45.99         | 3           | Vertical  | 266            | 2.29          | -       | 38.81      | 9.45       | 35.49      |
| AV   | 15.8288G     | 46.47             | 54.00             | -7.53          | 33.72         | 3           | Vertical  | 266            | 2.29          | -       | 38.79      | 9.46       | 35.50      |

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

25/12/2019

## 5270MHz\_TX



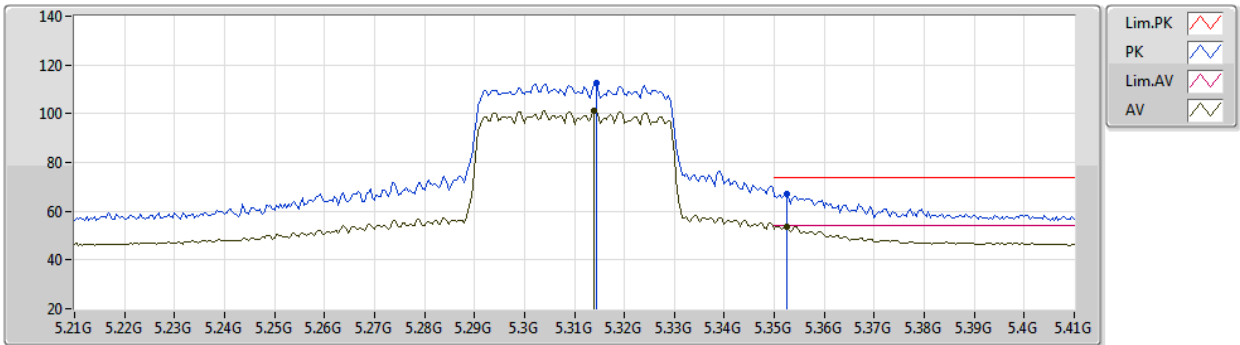
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5609G     | 53.99             | 68.20             | -14.21         | 42.11         | 3           | Horizontal | 230            | 2.17          | -       | 39.05      | 6.94       | 34.11      |
| PK   | 15.8156G     | 58.86             | 74.00             | -15.14         | 46.10         | 3           | Horizontal | 207            | 1.83          | -       | 38.80      | 9.45       | 35.49      |
| AV   | 15.8207G     | 46.74             | 54.00             | -7.26          | 33.97         | 3           | Horizontal | 207            | 1.83          | -       | 38.80      | 9.46       | 35.49      |

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

25/12/2019

## 5310MHz\_TX



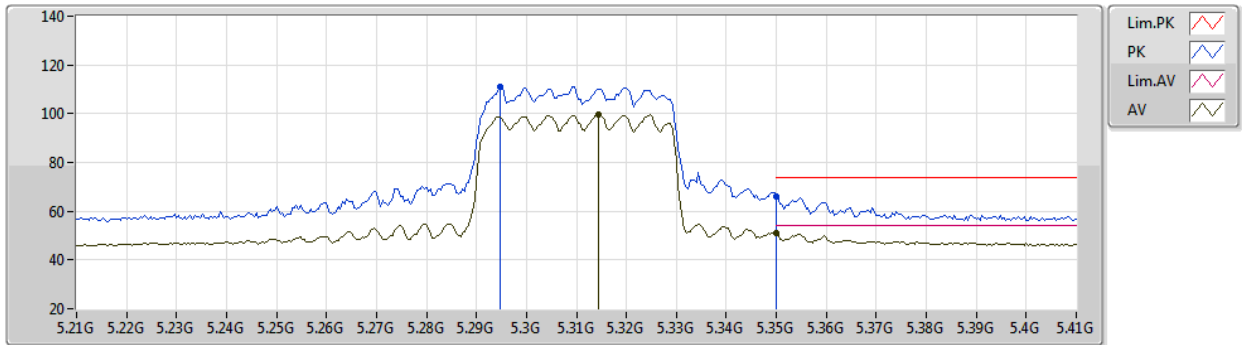
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.3144G      | 112.84            | Inf               | -Inf           | 108.51        | 3           | Vertical  | 307            | 1.42          | -       | 33.24      | 4.66       | 33.57      |
| AV   | 5.314G       | 101.41            | Inf               | -Inf           | 97.08         | 3           | Vertical  | 307            | 1.42          | -       | 33.24      | 4.66       | 33.57      |
| PK   | 5.3524G      | 66.82             | 74.00             | -7.18          | 62.35         | 3           | Vertical  | 307            | 1.42          | -       | 33.36      | 4.68       | 33.57      |
| AV   | 5.3524G      | 53.63             | 54.00             | -0.37          | 49.16         | 3           | Vertical  | 307            | 1.42          | -       | 33.36      | 4.68       | 33.57      |

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

25/12/2019

## 5310MHz\_TX



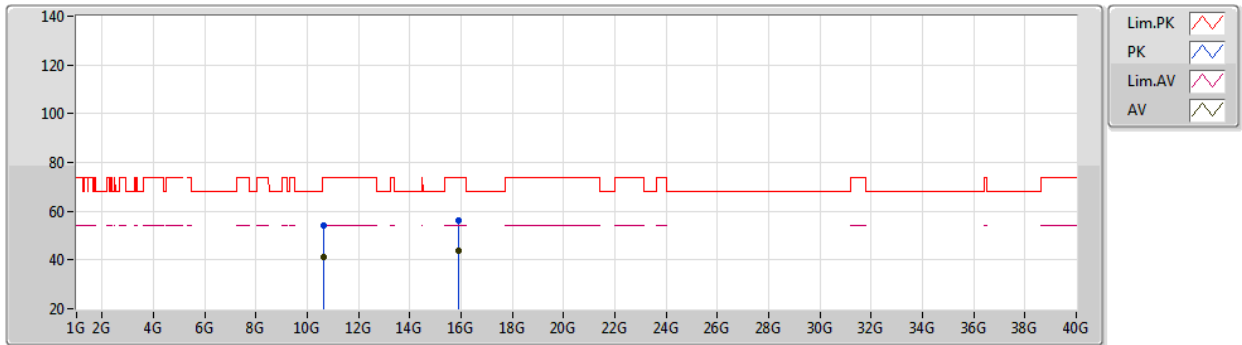
EUT Y\_4TX  
04-F-A-3-10

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK   | 5.2948G   | 111.17         | Inf            | -Inf        | 106.90     | 3        | Horizontal | 121         | 1.54       | -       | 33.19   | 4.65    | 33.57   |
| AV   | 5.3144G   | 99.79          | Inf            | -Inf        | 95.46      | 3        | Horizontal | 121         | 1.54       | -       | 33.24   | 4.66    | 33.57   |
| PK   | 5.35G     | 66.28          | 74.00          | -7.72       | 61.82      | 3        | Horizontal | 121         | 1.54       | -       | 33.35   | 4.68    | 33.57   |
| AV   | 5.35G     | 50.97          | 54.00          | -3.03       | 46.51      | 3        | Horizontal | 121         | 1.54       | -       | 33.35   | 4.68    | 33.57   |

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

25/12/2019

## 5310MHz\_TX



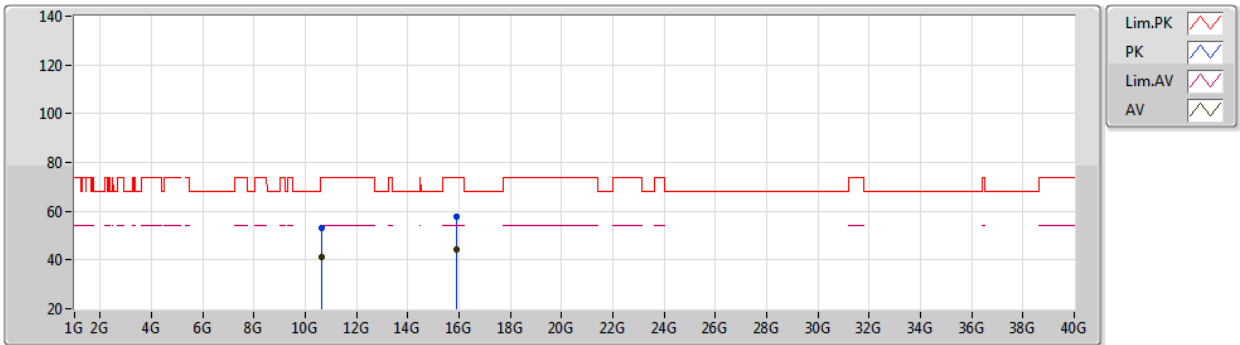
EUT Y\_4TX  
04-F-A-3

| 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   | 10.6329G     | 54.00             | 74.00             | -20.00         | 42.07         | 3           | Vertical  | 95             | 2.88          | -       | 39.11      | 6.98       | 34.16      |
| AV   | 10.6359G     | 41.26             | 54.00             | -12.74         | 29.33         | 3           | Vertical  | 95             | 2.88          | -       | 39.11      | 6.98       | 34.16      |
| PK   | 15.9063G     | 56.12             | 74.00             | -17.88         | 43.41         | 3           | Vertical  | 275            | 1.74          | -       | 38.70      | 9.53       | 35.52      |
| AV   | 15.9172G     | 43.89             | 54.00             | -10.11         | 31.19         | 3           | Vertical  | 275            | 1.74          | -       | 38.69      | 9.53       | 35.52      |

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

25/12/2019

## 5310MHz\_TX



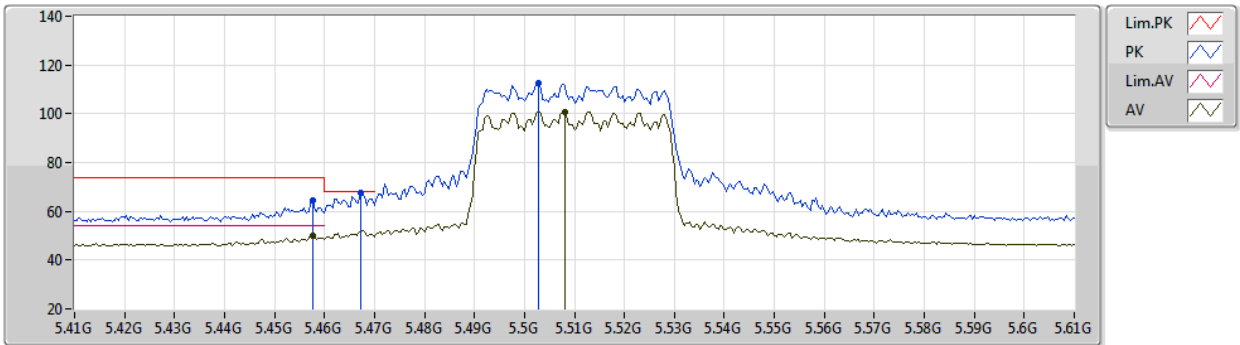
EUT Y\_4TX  
04-F-A-3

| 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   | 10.6153G     | 53.15             | 74.00             | -20.85         | 41.23         | 3           | Horizontal | 116            | 1.87          | -       | 39.09      | 6.97       | 34.14      |
| AV   | 10.6416G     | 41.13             | 54.00             | -12.87         | 29.20         | 3           | Horizontal | 116            | 1.87          | -       | 39.11      | 6.98       | 34.16      |
| PK   | 15.9087G     | 57.56             | 74.00             | -16.44         | 44.85         | 3           | Horizontal | 219            | 1.80          | -       | 38.70      | 9.53       | 35.52      |
| AV   | 15.9128G     | 44.48             | 54.00             | -9.52          | 31.77         | 3           | Horizontal | 219            | 1.80          | -       | 38.70      | 9.53       | 35.52      |

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

25/12/2019

## 5510MHz\_TX



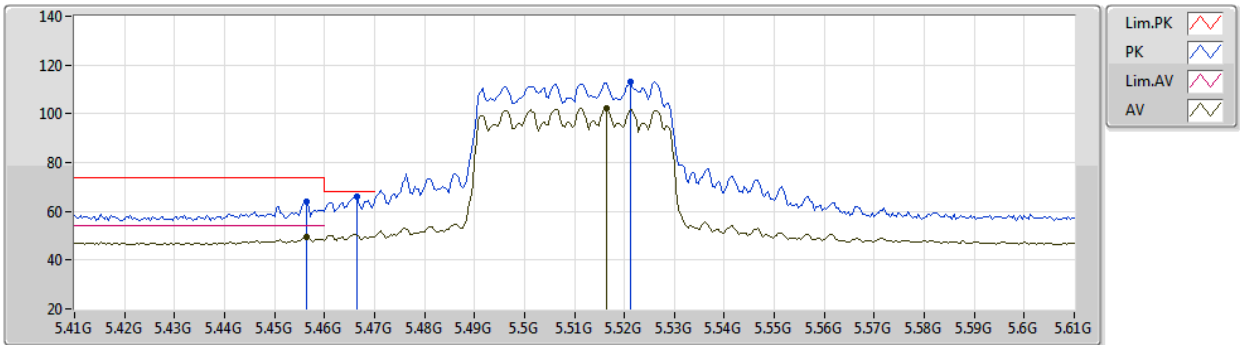
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4576G      | 64.28             | 74.00             | -9.72          | 59.43         | 3           | Vertical  | 131            | 1.80          | -       | 33.67      | 4.76       | 33.58      |
| AV   | 5.4576G      | 50.19             | 54.00             | -3.81          | 45.34         | 3           | Vertical  | 131            | 1.80          | -       | 33.67      | 4.76       | 33.58      |
| PK   | 5.4672G      | 67.81             | 68.20             | -0.39          | 62.92         | 3           | Vertical  | 131            | 1.80          | -       | 33.70      | 4.77       | 33.58      |
| PK   | 5.5028G      | 112.80            | Inf               | -Inf           | 107.76        | 3           | Vertical  | 131            | 1.80          | -       | 33.81      | 4.81       | 33.58      |
| AV   | 5.508G       | 100.92            | Inf               | -Inf           | 95.86         | 3           | Vertical  | 131            | 1.80          | -       | 33.82      | 4.82       | 33.58      |

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

25/12/2019

## 5510MHz\_TX



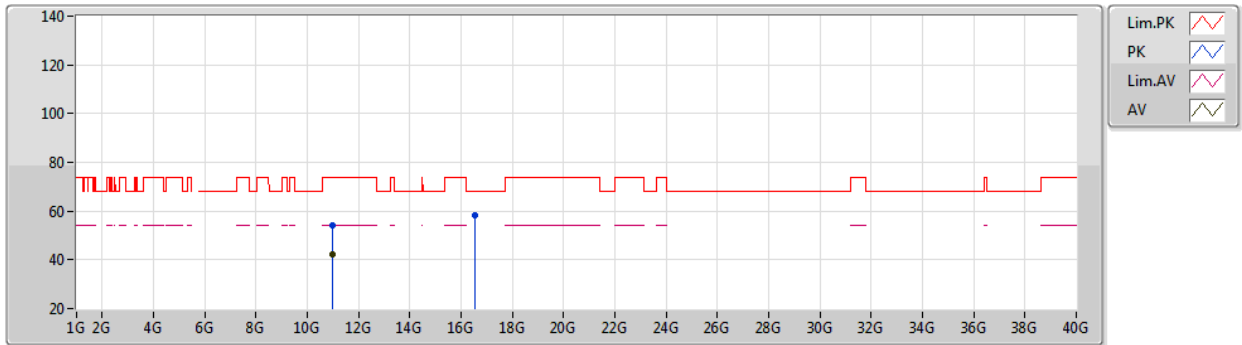
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4564G      | 64.04             | 74.00             | -9.96          | 59.19         | 3           | Horizontal | 186            | 2.21          | -       | 33.67      | 4.76       | 33.58      |
| AV   | 5.4564G      | 49.34             | 54.00             | -4.66          | 44.49         | 3           | Horizontal | 186            | 2.21          | -       | 33.67      | 4.76       | 33.58      |
| PK   | 5.4664G      | 65.89             | 68.20             | -2.31          | 61.00         | 3           | Horizontal | 186            | 2.21          | -       | 33.70      | 4.77       | 33.58      |
| PK   | 5.5212G      | 113.16            | Inf               | -Inf           | 108.07        | 3           | Horizontal | 186            | 2.21          | -       | 33.84      | 4.84       | 33.59      |
| AV   | 5.5164G      | 102.35            | Inf               | -Inf           | 97.27         | 3           | Horizontal | 186            | 2.21          | -       | 33.83      | 4.83       | 33.58      |

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

25/12/2019

## 5510MHz\_TX



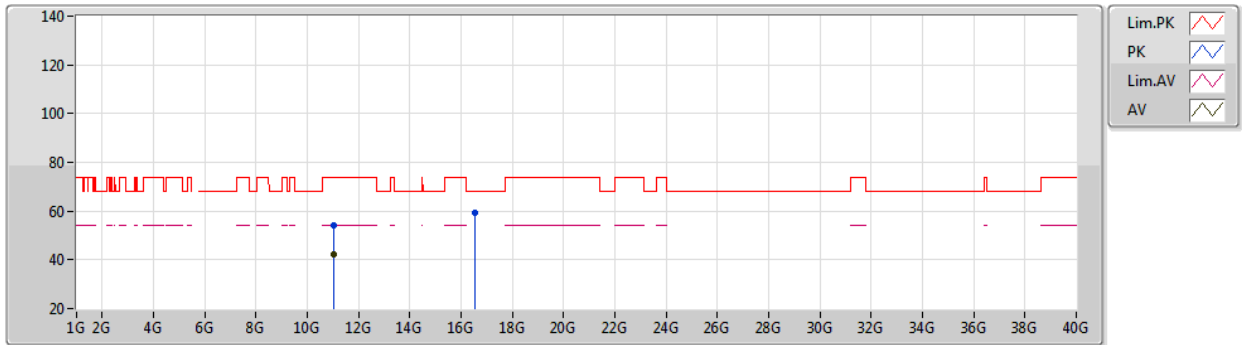
EUT Y\_4TX  
04-F-A-3

| 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   | 10.996G      | 54.11             | 74.00             | -19.89         | 41.92         | 3           | Vertical  | 56             | 2.87          | -       | 39.40      | 7.20       | 34.41      |
| AV   | 11.0041G     | 42.49             | 54.00             | -11.51         | 30.30         | 3           | Vertical  | 56             | 2.87          | -       | 39.40      | 7.20       | 34.41      |
| PK   | 16.5199G     | 58.51             | 68.20             | -9.69          | 44.62         | 3           | Vertical  | 63             | 2.78          | -       | 39.74      | 9.70       | 35.55      |

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

25/12/2019

## 5510MHz\_TX



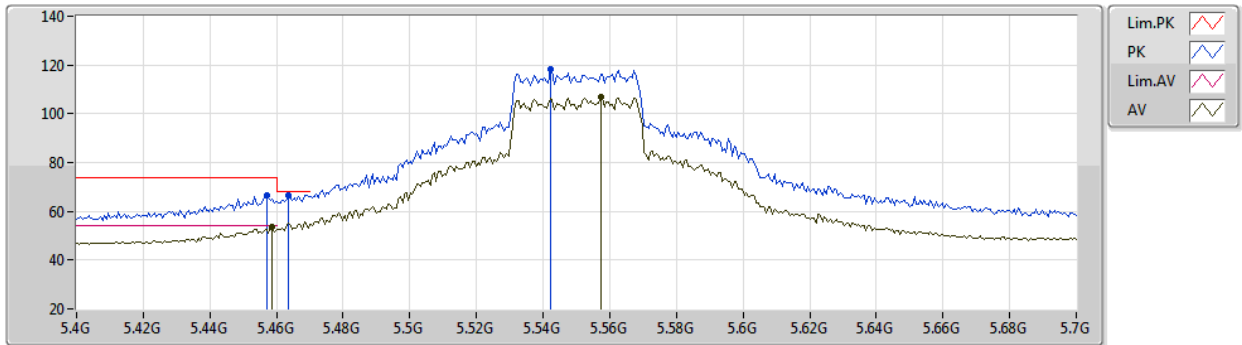
EUT Y\_4TX  
04-F-A-3

| 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   | 11.0229G     | 53.88             | 74.00             | -20.12         | 41.72         | 3           | Horizontal | 86             | 2.06          | -       | 39.39      | 7.20       | 34.43      |
| AV   | 11.0197G     | 42.28             | 54.00             | -11.72         | 30.11         | 3           | Horizontal | 86             | 2.06          | -       | 39.39      | 7.20       | 34.42      |
| PK   | 16.5252G     | 59.55             | 68.20             | -8.65          | 45.63         | 3           | Horizontal | 286            | 1.80          | -       | 39.76      | 9.71       | 35.55      |

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

25/12/2019

## 5550MHz\_TX



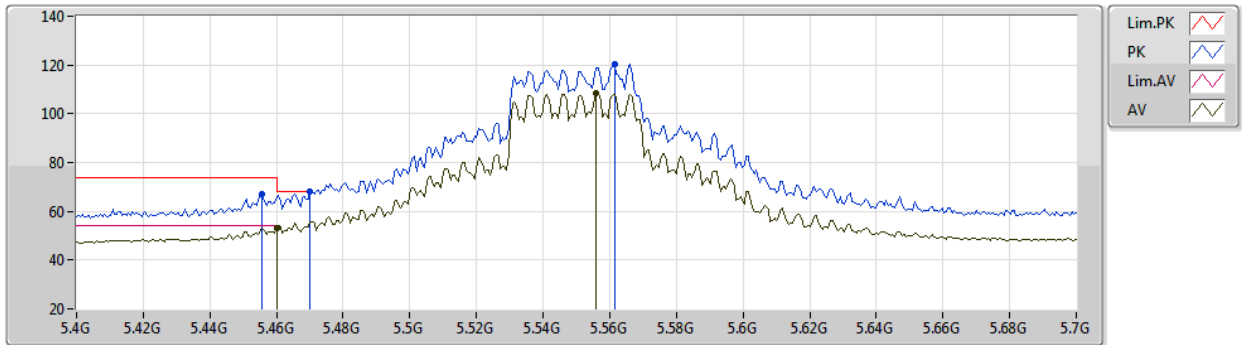
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.457G       | 66.49             | 74.00             | -7.51          | 61.64         | 3           | Vertical  | 204            | 1.65          | -       | 33.67      | 4.76       | 33.58      |
| AV   | 5.4588G      | 53.70             | 54.00             | -0.30          | 48.84         | 3           | Vertical  | 204            | 1.65          | -       | 33.68      | 4.76       | 33.58      |
| PK   | 5.4636G      | 66.61             | 68.20             | -1.59          | 61.74         | 3           | Vertical  | 204            | 1.65          | -       | 33.69      | 4.76       | 33.58      |
| PK   | 5.5422G      | 118.48            | Inf               | -Inf           | 113.31        | 3           | Vertical  | 204            | 1.65          | -       | 33.88      | 4.88       | 33.59      |
| AV   | 5.5572G      | 106.77            | Inf               | -Inf           | 101.55        | 3           | Vertical  | 204            | 1.65          | -       | 33.91      | 4.91       | 33.60      |

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

25/12/2019

## 5550MHz\_TX

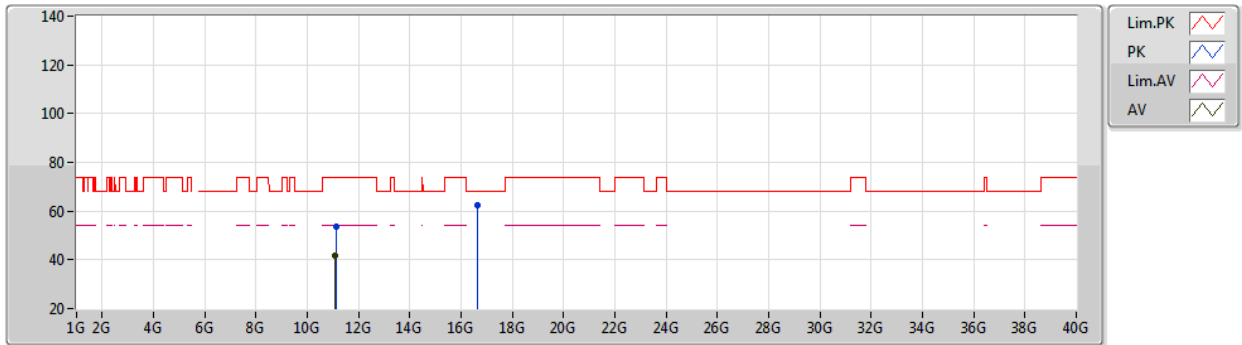

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4558G      | 67.03             | 74.00             | -6.97          | 62.18         | 3           | Horizontal | 175            | 2.90          | -       | 33.67      | 4.76       | 33.58      |
| AV   | 5.46G        | 53.17             | 54.00             | -0.83          | 48.31         | 3           | Horizontal | 175            | 2.90          | -       | 33.68      | 4.76       | 33.58      |
| PK   | 5.47G        | 68.03             | 68.20             | -0.17          | 63.13         | 3           | Horizontal | 175            | 2.90          | -       | 33.71      | 4.77       | 33.58      |
| PK   | 5.5614G      | 120.53            | Inf               | -Inf           | 115.29        | 3           | Horizontal | 175            | 2.90          | -       | 33.92      | 4.92       | 33.60      |
| AV   | 5.556G       | 108.22            | Inf               | -Inf           | 103.00        | 3           | Horizontal | 175            | 2.90          | -       | 33.91      | 4.91       | 33.60      |

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

25/12/2019

## 5550MHz\_TX



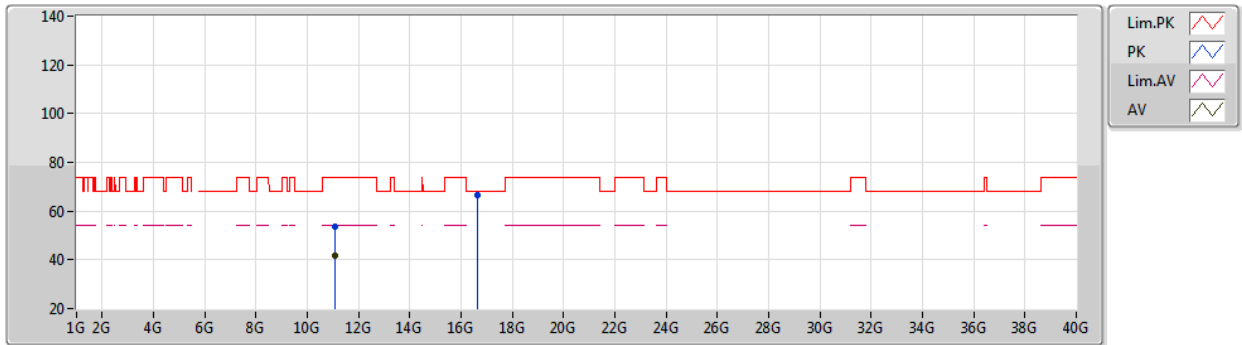
EUT Y\_4TX  
04-F-A-3

| 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   | 11.1216G     | 53.84             | 74.00             | -20.16         | 41.79         | 3           | Vertical  | 48             | 2.75          | -       | 39.34      | 7.21       | 34.50      |  |
| AV   | 11.1065G     | 41.86             | 54.00             | -12.14         | 29.79         | 3           | Vertical  | 48             | 2.75          | -       | 39.35      | 7.21       | 34.49      |  |
| PK   | 16.6417G     | 62.56             | 68.20             | -5.64          | 48.37         | 3           | Vertical  | 260            | 2.92          | -       | 40.01      | 9.73       | 35.55      |  |

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

25/12/2019

### 5550MHz\_TX



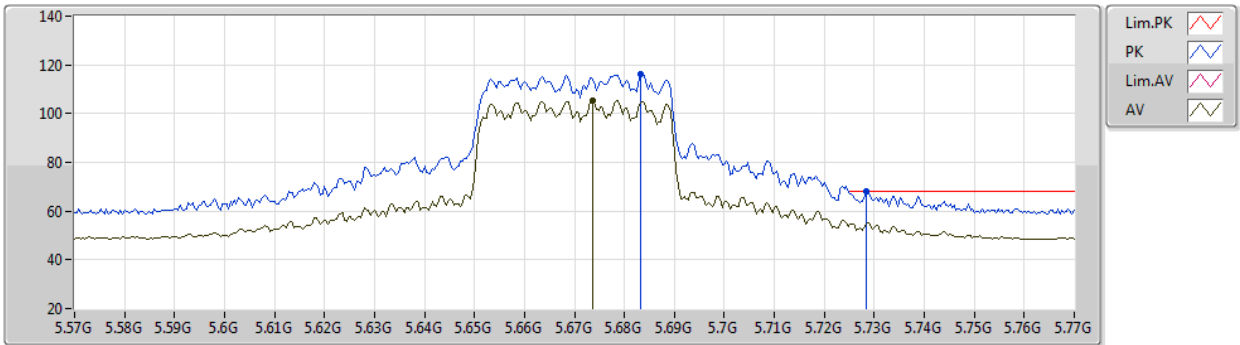
EUT Y\_4TX  
04-F-A-3

| 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   | 11.0756G     | 53.59             | 74.00             | -20.41         | 41.49         | 3           | Horizontal | 245            | 2.25          | -       | 39.36      | 7.21       | 34.47      |
| AV   | 11.0931G     | 41.72             | 54.00             | -12.28         | 29.64         | 3           | Horizontal | 245            | 2.25          | -       | 39.35      | 7.21       | 34.48      |
| PK   | 16.6614G     | 66.72             | 68.20             | -1.48          | 52.48         | 3           | Horizontal | 223            | 1.56          | -       | 40.06      | 9.73       | 35.55      |

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

25/12/2019

## 5670MHz\_TX



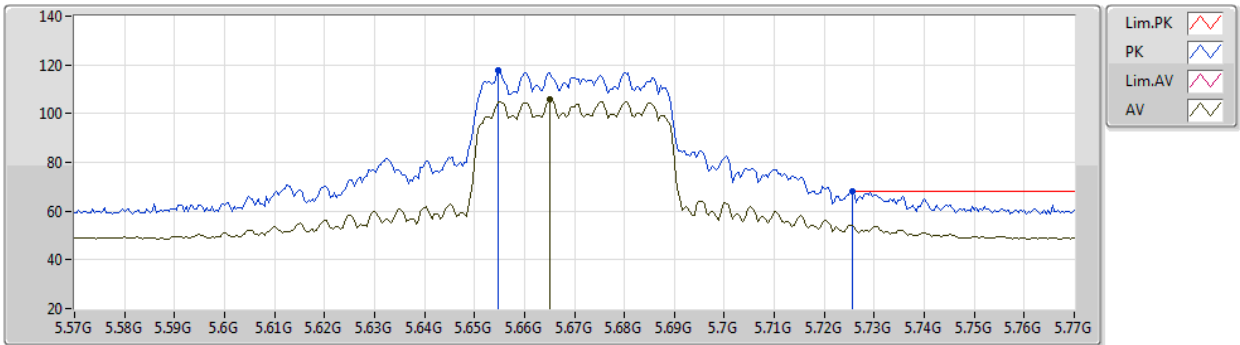
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.6832G      | 116.29            | Inf               | -Inf           | 110.07        | 3           | Vertical  | 308            | 2.58          | -       | 34.32      | 6.86       | 34.96      |
| AV   | 5.6736G      | 105.25            | Inf               | -Inf           | 99.02         | 3           | Vertical  | 308            | 2.58          | -       | 34.33      | 6.86       | 34.96      |
| PK   | 5.7284G      | 67.90             | 68.20             | -0.30          | 61.70         | 3           | Vertical  | 308            | 2.58          | -       | 34.30      | 6.84       | 34.94      |

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

25/12/2019

## 5670MHz\_TX



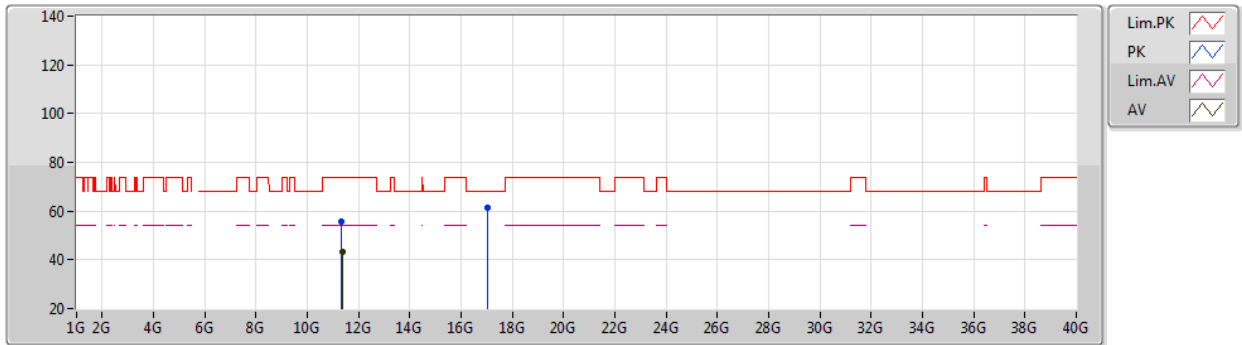
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.6548G      | 117.51            | Inf               | -Inf           | 111.25        | 3           | Horizontal | 360            | 1.77          | -       | 34.35      | 6.87       | 34.96      |
| AV   | 5.6652G      | 105.62            | Inf               | -Inf           | 99.38         | 3           | Horizontal | 360            | 1.77          | -       | 34.33      | 6.87       | 34.96      |
| PK   | 5.7256G      | 68.10             | 68.20             | -0.10          | 61.90         | 3           | Horizontal | 360            | 1.77          | -       | 34.30      | 6.84       | 34.94      |

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

25/12/2019

### 5670MHz\_TX



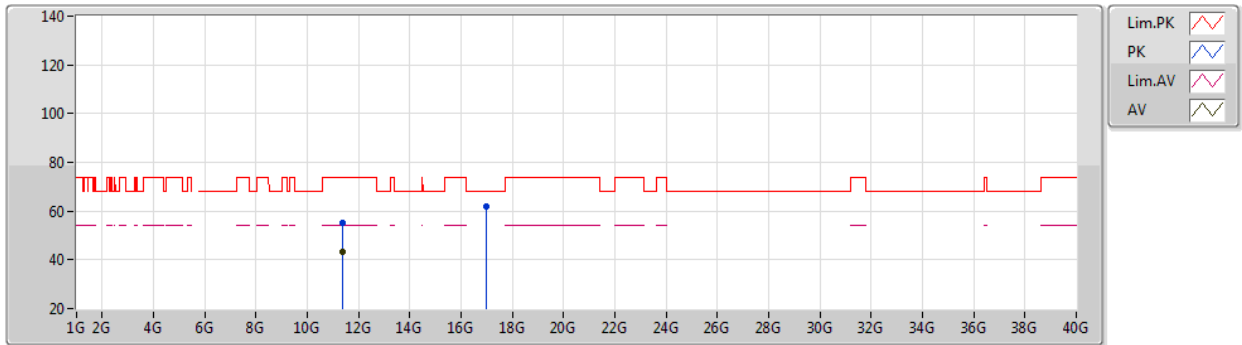
EUT Y\_4TX  
04-F-A-3

| 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   | 11.3173G     | 55.72             | 74.00             | -18.28         | 42.01         | 3           | Vertical  | 108            | 2.45          | -       | 38.72      | 9.64       | 34.65      |
| AV   | 11.364G      | 43.09             | 54.00             | -10.91         | 29.35         | 3           | Vertical  | 108            | 2.45          | -       | 38.75      | 9.65       | 34.66      |
| PK   | 17.0086G     | 61.30             | 68.20             | -6.90          | 44.62         | 3           | Vertical  | 234            | 1.18          | -       | 39.94      | 11.33      | 34.59      |

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

25/12/2019

## 5670MHz\_TX

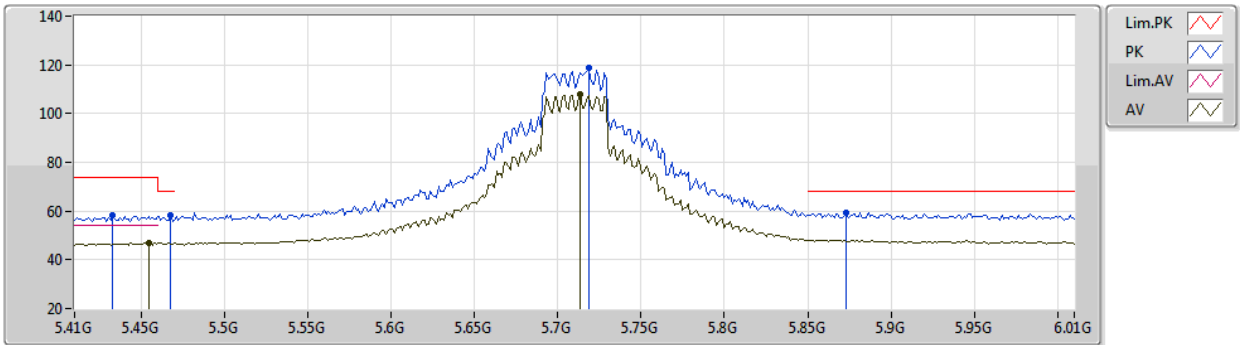

EUT Y\_4TX  
04-F-A-3

| 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   | 11.3535G     | 55.34             | 74.00             | -18.66         | 41.60         | 3           | Horizontal | 314            | 1.21          | -       | 38.75      | 9.64       | 34.65      |
| AV   | 11.3597G     | 43.22             | 54.00             | -10.78         | 29.47         | 3           | Horizontal | 314            | 1.21          | -       | 38.75      | 9.65       | 34.65      |
| PK   | 16.996G      | 61.87             | 68.20             | -6.33          | 45.25         | 3           | Horizontal | 221            | 1.88          | -       | 39.89      | 11.32      | 34.59      |

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

25/12/2019

## 5710MHz\_TX



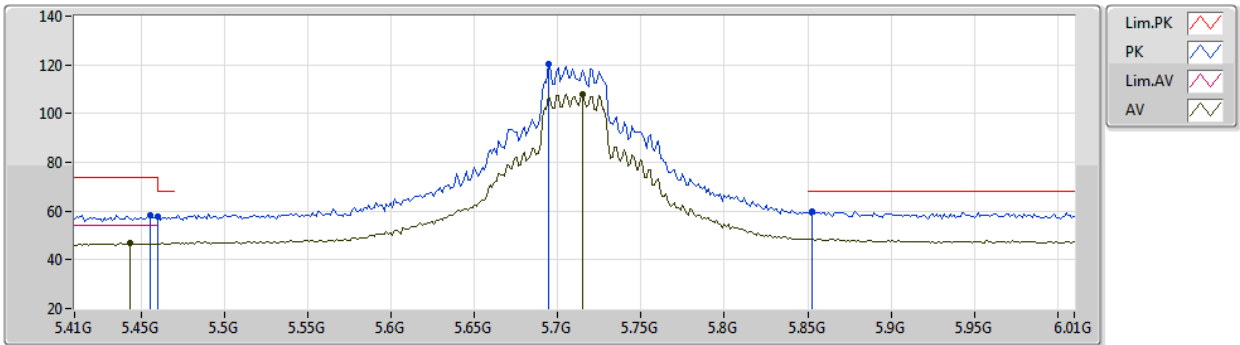
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4328G      | 58.16             | 74.00             | -15.84         | 52.47         | 3           | Vertical  | 313            | 2.53          | -       | 31.67      | 5.80       | 31.78      |
| PK   | 5.4676G      | 58.21             | 68.20             | -9.99          | 52.46         | 3           | Vertical  | 313            | 2.53          | -       | 31.74      | 5.80       | 31.79      |
| AV   | 5.4544G      | 46.97             | 54.00             | -7.03          | 41.25         | 3           | Vertical  | 313            | 2.53          | -       | 31.71      | 5.80       | 31.79      |
| PK   | 5.7184G      | 118.62            | Inf               | -Inf           | 112.84        | 3           | Vertical  | 313            | 2.53          | -       | 31.77      | 5.91       | 31.90      |
| AV   | 5.7136G      | 107.85            | Inf               | -Inf           | 102.10        | 3           | Vertical  | 313            | 2.53          | -       | 31.75      | 5.90       | 31.90      |
| PK   | 5.8732G      | 59.44             | 68.20             | -8.76          | 53.13         | 3           | Vertical  | 313            | 2.53          | -       | 32.32      | 5.96       | 31.97      |

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

25/12/2019

## 5710MHz\_TX



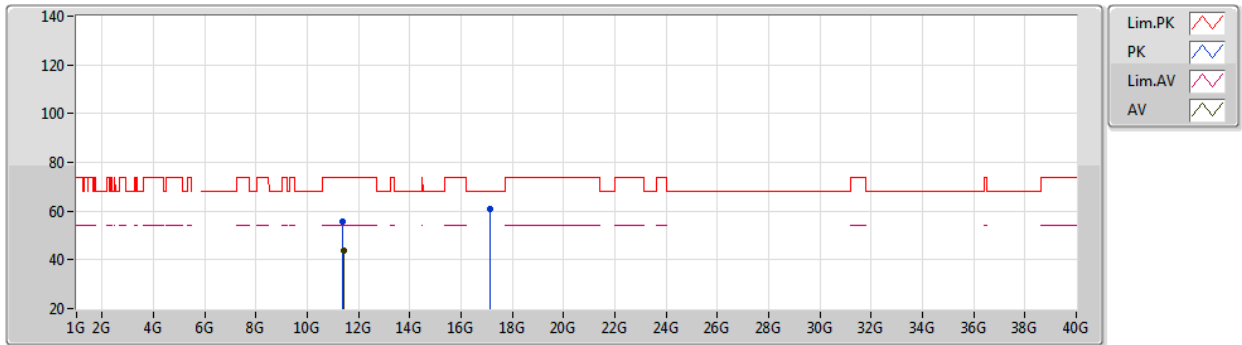
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4556G      | 58.49             | 74.00             | -15.51         | 52.77         | 3           | Horizontal | 0              | 1.18          | -       | 31.71      | 5.80       | 31.79      |
| AV   | 5.4436G      | 46.71             | 54.00             | -7.29          | 41.00         | 3           | Horizontal | 0              | 1.18          | -       | 31.69      | 5.80       | 31.78      |
| PK   | 5.46G        | 57.58             | 68.20             | -10.62         | 51.85         | 3           | Horizontal | 0              | 1.18          | -       | 31.72      | 5.80       | 31.79      |
| PK   | 5.6944G      | 120.20            | Inf               | -Inf           | 114.52        | 3           | Horizontal | 0              | 1.18          | -       | 31.69      | 5.88       | 31.89      |
| AV   | 5.7148G      | 107.77            | Inf               | -Inf           | 102.00        | 3           | Horizontal | 0              | 1.18          | -       | 31.76      | 5.91       | 31.90      |
| PK   | 5.8528G      | 59.88             | 68.20             | -8.32          | 53.61         | 3           | Horizontal | 0              | 1.18          | -       | 32.26      | 5.97       | 31.96      |

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

25/12/2019

## 5710MHz\_TX



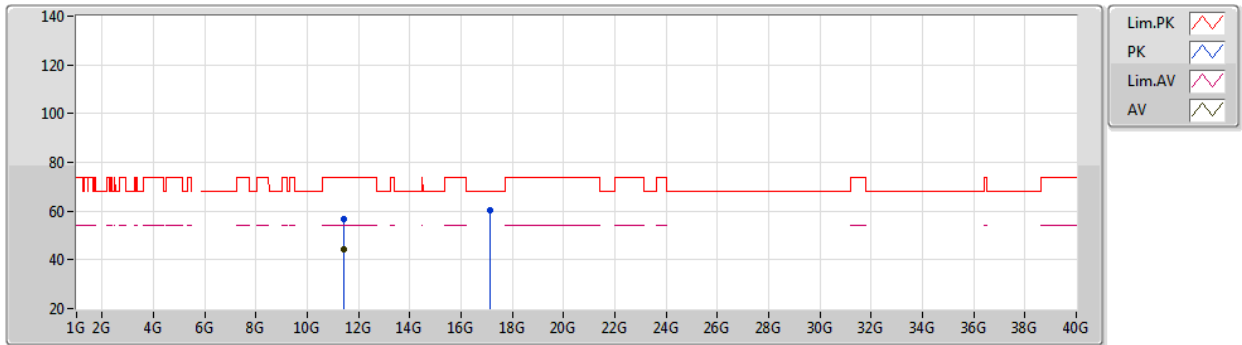
EUT Y\_4TX  
04-F-A-3

| 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   | 11.4012G     | 55.47             | 74.00             | -18.53         | 41.33         | 3           | Vertical  | 280            | 1.87          | -       | 39.80      | 8.09       | 33.75      |
| AV   | 11.40216G    | 43.82             | 54.00             | -10.18         | 29.68         | 3           | Vertical  | 280            | 1.87          | -       | 39.80      | 8.09       | 33.75      |
| PK   | 17.1364G     | 60.62             | 68.20             | -7.58          | 42.98         | 3           | Vertical  | 171            | 1.80          | -       | 42.06      | 9.44       | 33.86      |

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

25/12/2019

## 5710MHz\_TX



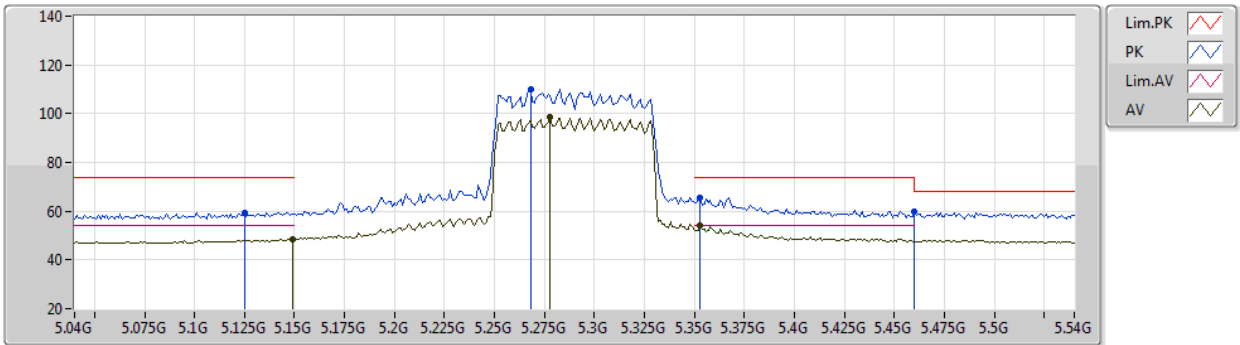
EUT Y\_4TX  
04-F-A-3

| 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   | 11.42136G    | 56.52             | 74.00             | -17.48         | 42.40         | 3           | Horizontal | 0              | 1.50          | -       | 39.77      | 8.10       | 33.75      |
| AV   | 11.40792G    | 44.08             | 54.00             | -9.92          | 29.95         | 3           | Horizontal | 0              | 1.50          | -       | 39.79      | 8.09       | 33.75      |
| PK   | 17.1276G     | 60.19             | 68.20             | -8.01          | 42.64         | 3           | Horizontal | 39             | 1.80          | -       | 41.98      | 9.43       | 33.86      |

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

25/12/2019

## 5290MHz\_TX

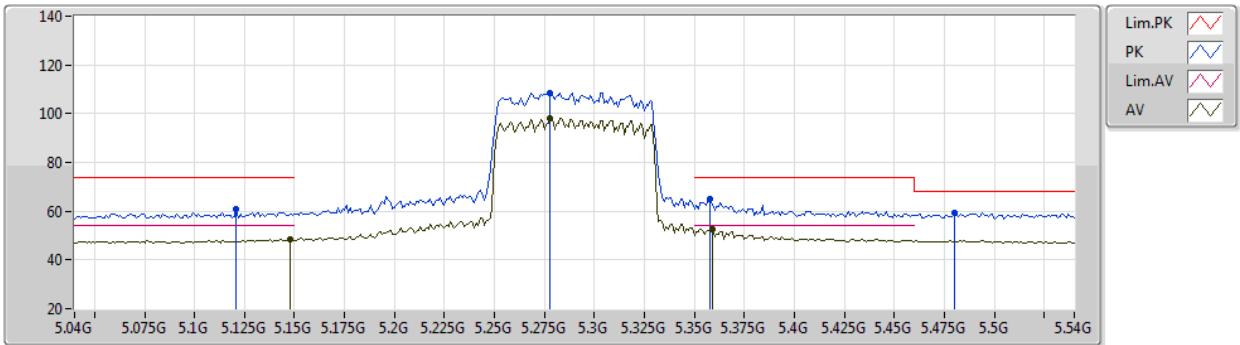

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.125G       | 59.28             | 74.00             | -14.72         | 53.46         | 3           | Vertical  | 261            | 1.33          | -       | 34.02      | 6.56       | 34.76      |
| AV   | 5.149G       | 48.40             | 54.00             | -5.60          | 42.51         | 3           | Vertical  | 261            | 1.33          | -       | 34.05      | 6.61       | 34.77      |
| PK   | 5.268G       | 110.13            | Inf               | -Inf           | 104.08        | 3           | Vertical  | 261            | 1.33          | -       | 34.24      | 6.67       | 34.86      |
| AV   | 5.278G       | 98.67             | Inf               | -Inf           | 92.61         | 3           | Vertical  | 261            | 1.33          | -       | 34.26      | 6.66       | 34.86      |
| PK   | 5.353G       | 65.42             | 74.00             | -8.58          | 59.37         | 3           | Vertical  | 261            | 1.33          | -       | 34.35      | 6.62       | 34.92      |
| AV   | 5.353G       | 53.97             | 54.00             | -0.03          | 47.92         | 3           | Vertical  | 261            | 1.33          | -       | 34.35      | 6.62       | 34.92      |
| PK   | 5.46G        | 59.71             | 68.20             | -8.49          | 53.54         | 3           | Vertical  | 261            | 1.33          | -       | 34.46      | 6.70       | 34.99      |

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

25/12/2019

## 5290MHz\_TX

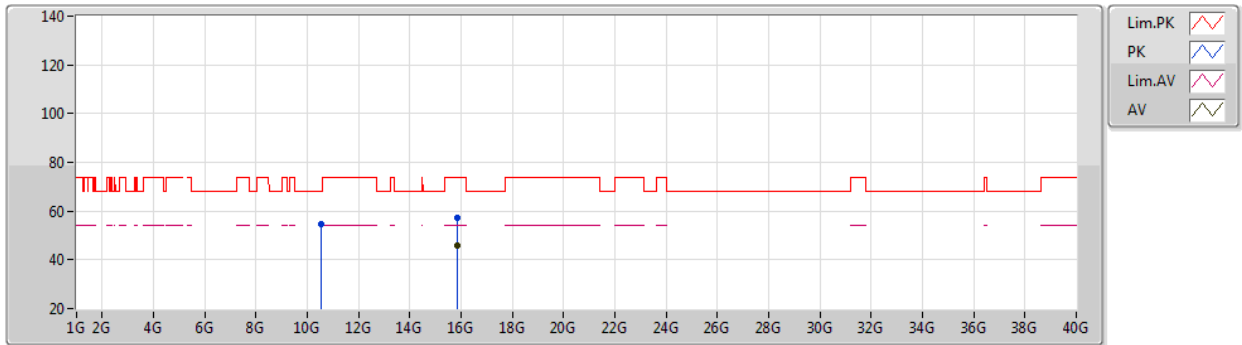

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.121G       | 60.62             | 74.00             | -13.38         | 54.79         | 3           | Horizontal | 167            | 2.31          | -       | 34.02      | 6.56       | 34.75      |
| AV   | 5.148G       | 48.37             | 54.00             | -5.63          | 42.48         | 3           | Horizontal | 167            | 2.31          | -       | 34.05      | 6.61       | 34.77      |
| PK   | 5.278G       | 108.70            | Inf               | -Inf           | 102.64        | 3           | Horizontal | 167            | 2.31          | -       | 34.26      | 6.66       | 34.86      |
| AV   | 5.278G       | 98.24             | Inf               | -Inf           | 92.18         | 3           | Horizontal | 167            | 2.31          | -       | 34.26      | 6.66       | 34.86      |
| PK   | 5.358G       | 65.07             | 74.00             | -8.93          | 59.01         | 3           | Horizontal | 167            | 2.31          | -       | 34.36      | 6.62       | 34.92      |
| AV   | 5.359G       | 52.59             | 54.00             | -1.41          | 46.53         | 3           | Horizontal | 167            | 2.31          | -       | 34.36      | 6.62       | 34.92      |
| PK   | 5.48G        | 59.21             | 68.20             | -8.99          | 53.00         | 3           | Horizontal | 167            | 2.31          | -       | 34.48      | 6.73       | 35.00      |

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

25/12/2019

### 5290MHz\_TX



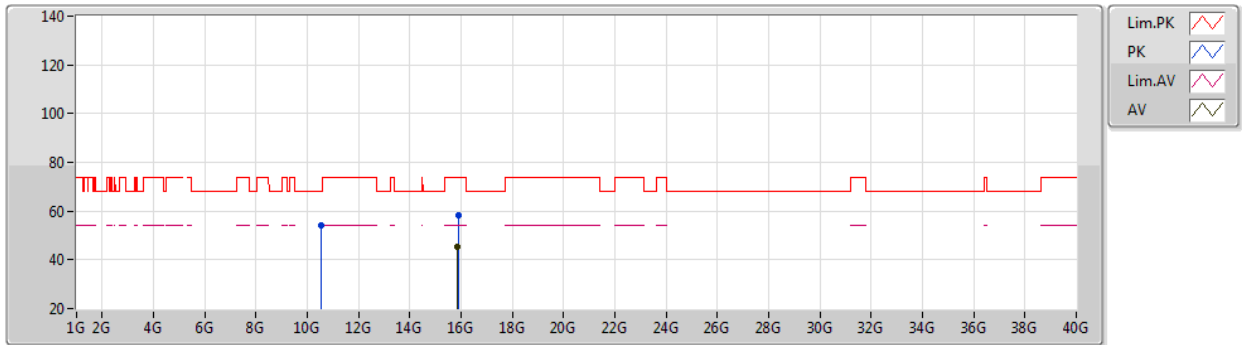
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5594G     | 54.75             | 68.20             | -13.45         | 41.75         | 3           | Vertical  | 155            | 1.07          | -       | 38.41      | 9.45       | 34.86      |
| PK   | 15.8666G     | 57.17             | 74.00             | -16.83         | 44.10         | 3           | Vertical  | 134            | 2.88          | -       | 37.90      | 10.32      | 35.15      |
| AV   | 15.8478G     | 45.61             | 54.00             | -8.39          | 32.46         | 3           | Vertical  | 134            | 2.88          | -       | 37.96      | 10.32      | 35.13      |

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

25/12/2019

### 5290MHz\_TX



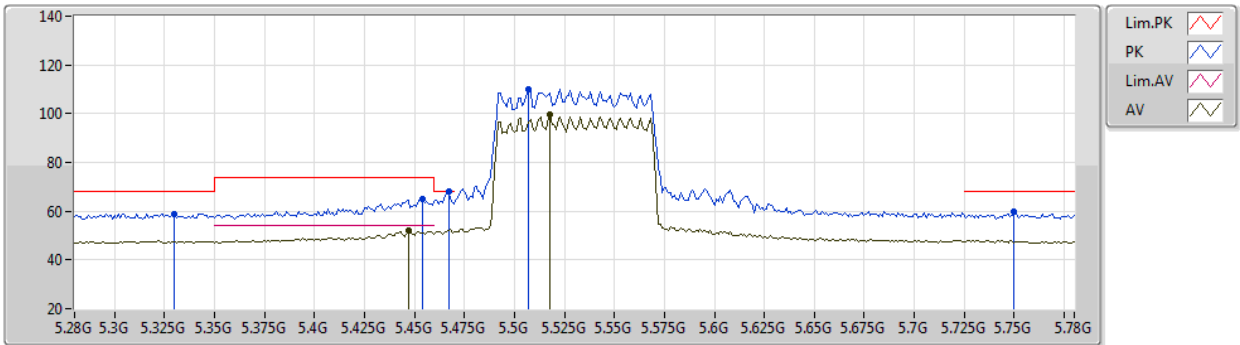
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5559G     | 54.26             | 68.20             | -13.94         | 41.27         | 3           | Horizontal | 138            | 1.97          | -       | 38.41      | 9.44       | 34.86      |
| PK   | 15.8939G     | 58.23             | 74.00             | -15.77         | 45.28         | 3           | Horizontal | 314            | 2.00          | -       | 37.82      | 10.31      | 35.18      |
| AV   | 15.8474G     | 45.56             | 54.00             | -8.44          | 32.41         | 3           | Horizontal | 314            | 2.00          | -       | 37.96      | 10.32      | 35.13      |

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

25/12/2019

## 5530MHz\_TX

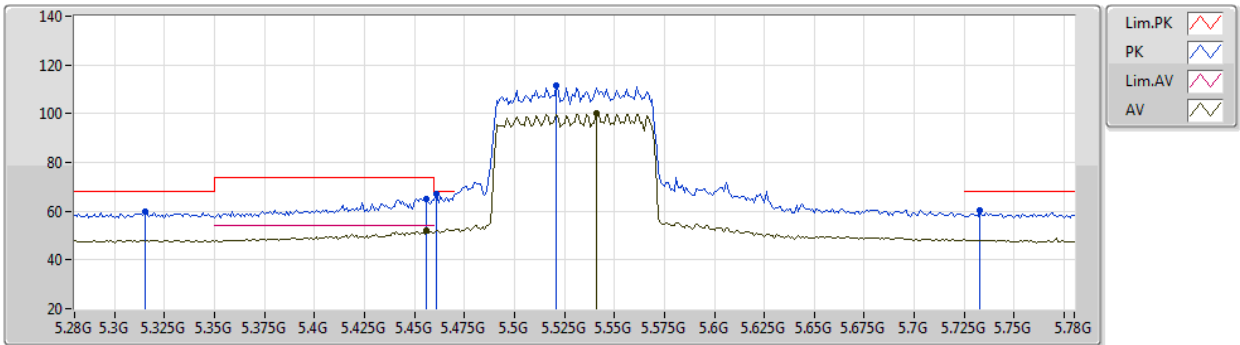

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.33G        | 58.99             | 68.20             | -9.21          | 52.92         | 3           | Vertical  | 130            | 1.89          | -       | 34.33      | 6.64       | 34.90      |
| PK   | 5.454G       | 65.00             | 74.00             | -9.00          | 58.84         | 3           | Vertical  | 130            | 1.89          | -       | 34.45      | 6.69       | 34.98      |
| AV   | 5.447G       | 51.98             | 54.00             | -2.02          | 45.83         | 3           | Vertical  | 130            | 1.89          | -       | 34.45      | 6.68       | 34.98      |
| PK   | 5.467G       | 68.19             | 68.20             | -0.01          | 62.00         | 3           | Vertical  | 130            | 1.89          | -       | 34.47      | 6.71       | 34.99      |
| PK   | 5.507G       | 110.21            | Inf               | -Inf           | 103.96        | 3           | Vertical  | 130            | 1.89          | -       | 34.49      | 6.77       | 35.01      |
| AV   | 5.518G       | 99.74             | Inf               | -Inf           | 93.47         | 3           | Vertical  | 130            | 1.89          | -       | 34.48      | 6.79       | 35.00      |
| PK   | 5.75G        | 59.75             | 68.20             | -8.45          | 53.57         | 3           | Vertical  | 130            | 1.89          | -       | 34.30      | 6.82       | 34.94      |

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

25/12/2019

## 5530MHz\_TX

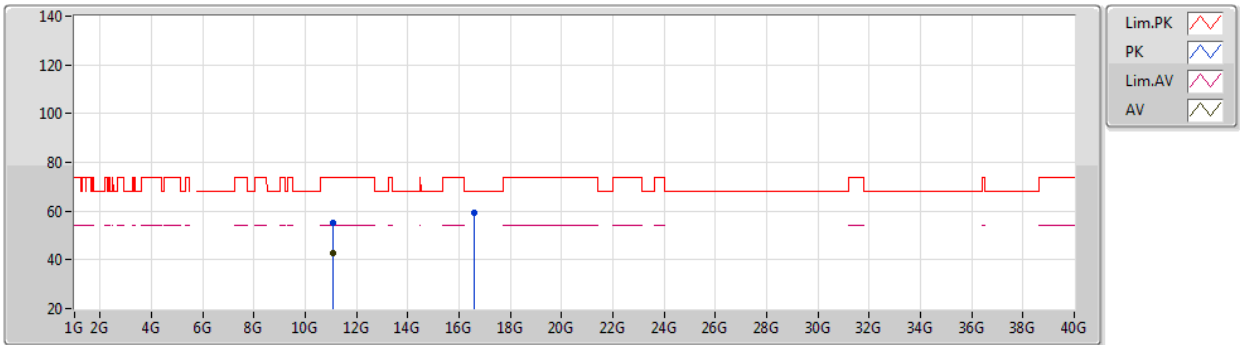

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.315G       | 59.58             | 68.20             | -8.62          | 53.52         | 3           | Horizontal | 174            | 2.89          | -       | 34.31      | 6.64       | 34.89      |
| PK   | 5.456G       | 64.99             | 74.00             | -9.01          | 58.82         | 3           | Horizontal | 174            | 2.89          | -       | 34.46      | 6.69       | 34.98      |
| AV   | 5.456G       | 52.10             | 54.00             | -1.90          | 45.93         | 3           | Horizontal | 174            | 2.89          | -       | 34.46      | 6.69       | 34.98      |
| PK   | 5.461G       | 67.03             | 68.20             | -1.17          | 60.86         | 3           | Horizontal | 174            | 2.89          | -       | 34.46      | 6.70       | 34.99      |
| PK   | 5.521G       | 111.54            | Inf               | -Inf           | 105.27        | 3           | Horizontal | 174            | 2.89          | -       | 34.48      | 6.79       | 35.00      |
| AV   | 5.541G       | 100.43            | Inf               | -Inf           | 94.15         | 3           | Horizontal | 174            | 2.89          | -       | 34.46      | 6.82       | 35.00      |
| PK   | 5.733G       | 60.09             | 68.20             | -8.11          | 53.90         | 3           | Horizontal | 174            | 2.89          | -       | 34.30      | 6.83       | 34.94      |

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

25/12/2019

### 5530MHz\_TX



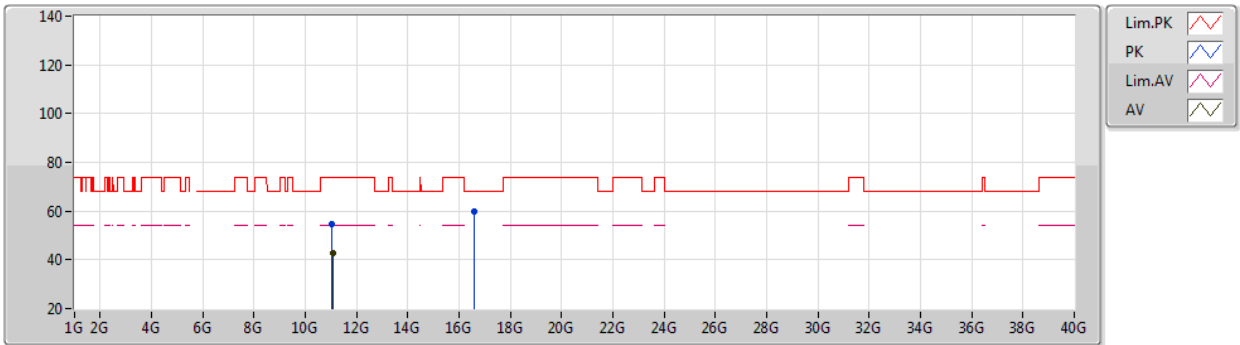
EUT Y\_4TX  
04-F-A-3

| 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   | 11.059G      | 54.99             | 74.00             | -19.01         | 41.48         | 3           | Vertical  | 44             | 2.56          | -       | 38.54      | 9.57       | 34.60      |
| AV   | 11.0838G     | 42.89             | 54.00             | -11.11         | 29.36         | 3           | Vertical  | 44             | 2.56          | -       | 38.56      | 9.58       | 34.61      |
| PK   | 16.6006G     | 59.49             | 68.20             | -8.71          | 44.51         | 3           | Vertical  | 38             | 1.33          | -       | 38.94      | 10.91      | 34.87      |

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

25/12/2019

### 5530MHz\_TX



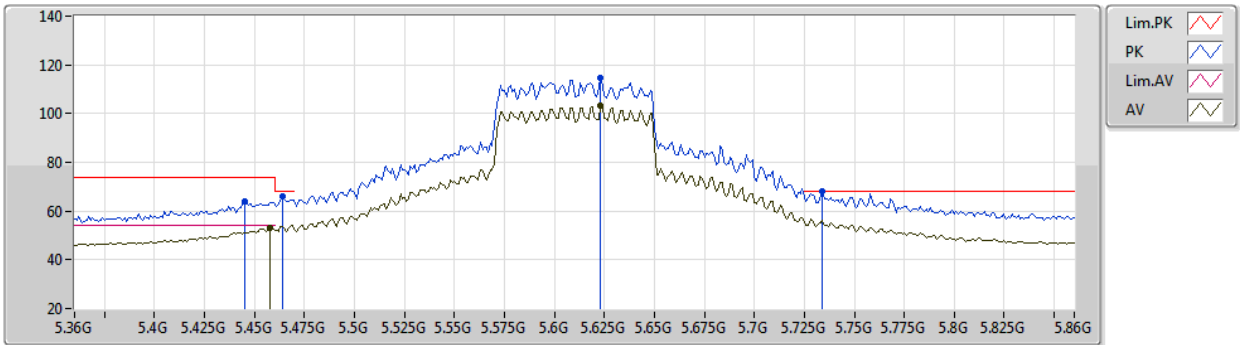
EUT Y\_4TX  
04-F-A-3

| 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   | 11.0524G     | 54.79             | 74.00             | -19.21         | 41.28         | 3           | Horizontal | 136            | 1.94          | -       | 38.54      | 9.57       | 34.60      |  |
| AV   | 11.0607G     | 42.76             | 54.00             | -11.24         | 29.25         | 3           | Horizontal | 136            | 1.94          | -       | 38.54      | 9.57       | 34.60      |  |
| PK   | 16.5941G     | 59.93             | 68.20             | -8.27          | 44.97         | 3           | Horizontal | 27             | 2.24          | -       | 38.93      | 10.91      | 34.88      |  |

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

25/12/2019

## 5610MHz\_TX

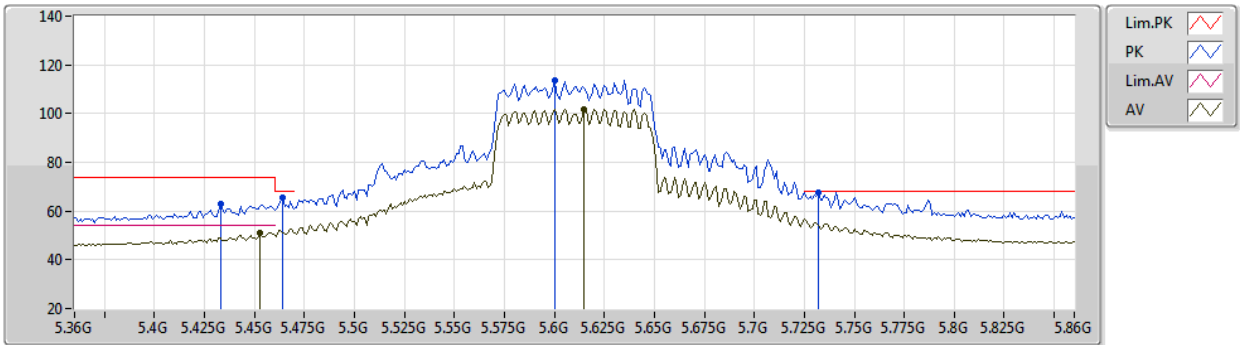

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.445G       | 63.76             | 74.00             | -10.24         | 58.05         | 3           | Vertical  | 313            | 2.51          | -       | 31.69      | 5.80       | 31.78      |
| PK   | 5.464G       | 65.84             | 68.20             | -2.36          | 60.10         | 3           | Vertical  | 313            | 2.51          | -       | 31.73      | 5.80       | 31.79      |
| AV   | 5.458G       | 52.87             | 54.00             | -1.13          | 47.14         | 3           | Vertical  | 313            | 2.51          | -       | 31.72      | 5.80       | 31.79      |
| PK   | 5.623G       | 114.52            | Inf               | -Inf           | 108.94        | 3           | Vertical  | 313            | 2.51          | -       | 31.62      | 5.82       | 31.86      |
| AV   | 5.623G       | 103.09            | Inf               | -Inf           | 97.51         | 3           | Vertical  | 313            | 2.51          | -       | 31.62      | 5.82       | 31.86      |
| PK   | 5.734G       | 67.87             | 68.20             | -0.33          | 62.01         | 3           | Vertical  | 313            | 2.51          | -       | 31.84      | 5.93       | 31.91      |

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

25/12/2019

## 5610MHz\_TX

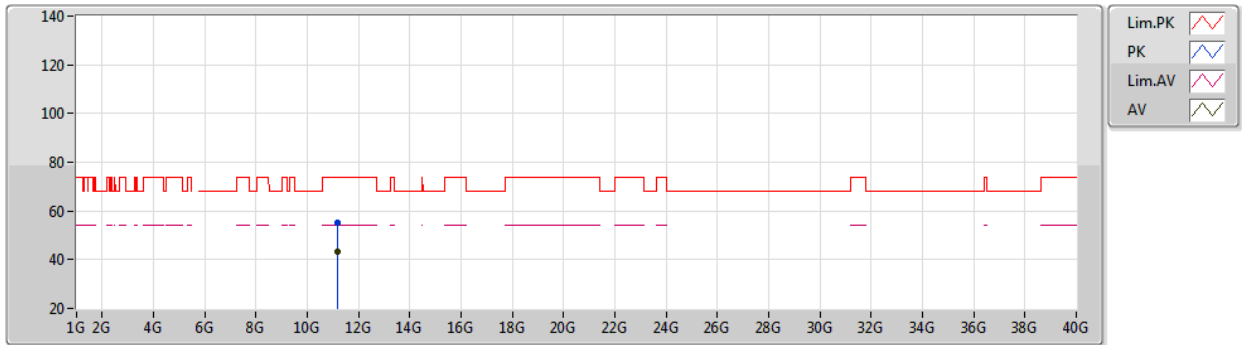

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.433G       | 62.72             | 74.00             | -11.28         | 57.03         | 3           | Horizontal | 3              | 1.80          | -       | 31.67      | 5.80       | 31.78      |
| PK   | 5.464G       | 65.68             | 68.20             | -2.52          | 59.94         | 3           | Horizontal | 3              | 1.80          | -       | 31.73      | 5.80       | 31.79      |
| AV   | 5.453G       | 51.18             | 54.00             | -2.82          | 45.46         | 3           | Horizontal | 3              | 1.80          | -       | 31.71      | 5.80       | 31.79      |
| PK   | 5.6G         | 113.51            | Inf               | -Inf           | 107.96        | 3           | Horizontal | 3              | 1.80          | -       | 31.60      | 5.80       | 31.85      |
| AV   | 5.615G       | 101.81            | Inf               | -Inf           | 96.24         | 3           | Horizontal | 3              | 1.80          | -       | 31.62      | 5.81       | 31.86      |
| PK   | 5.732G       | 67.80             | 68.20             | -0.40          | 61.95         | 3           | Horizontal | 3              | 1.80          | -       | 31.83      | 5.93       | 31.91      |

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

25/12/2019

## 5610MHz\_TX



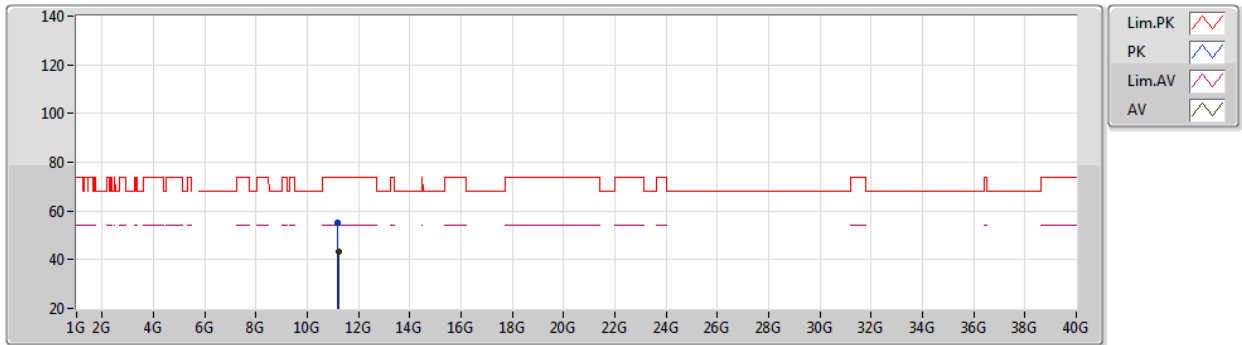
EUT Y\_4TX  
04-F-A-3

| 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   | 11.19824G    | 55.35             | 74.00             | -18.65         | 40.92         | 3           | Vertical  | 73             | 1.33          | -       | 40.10      | 8.02       | 33.69      |
| AV   | 11.1856G     | 43.18             | 54.00             | -10.82         | 28.73         | 3           | Vertical  | 73             | 1.33          | -       | 40.12      | 8.01       | 33.68      |

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

25/12/2019

### 5610MHz\_TX



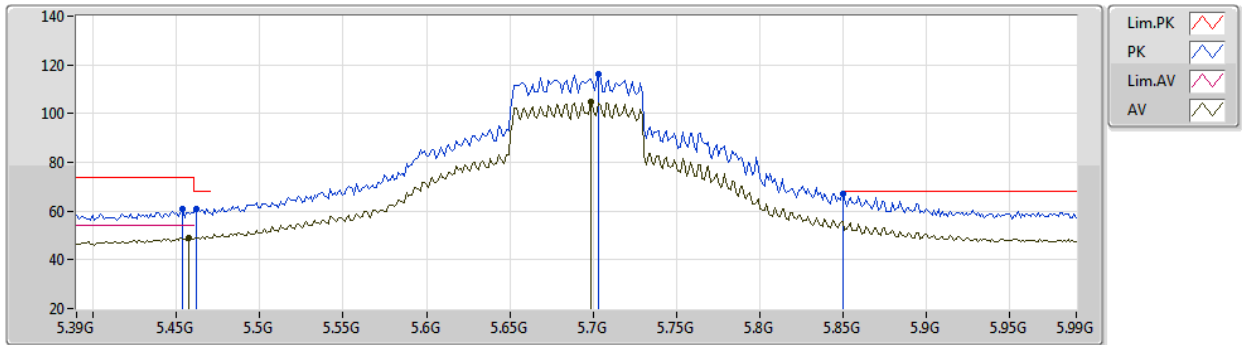
EUT Y\_4TX  
04-F-A-3

| 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   | 11.20352G    | 55.31             | 74.00             | -18.69         | 40.89         | 3           | Horizontal | 270            | 1.84          | -       | 40.09      | 8.02       | 33.69      |
| AV   | 11.2096G     | 43.24             | 54.00             | -10.76         | 28.82         | 3           | Horizontal | 270            | 1.84          | -       | 40.09      | 8.02       | 33.69      |

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

25/12/2019

## 5690MHz\_TX



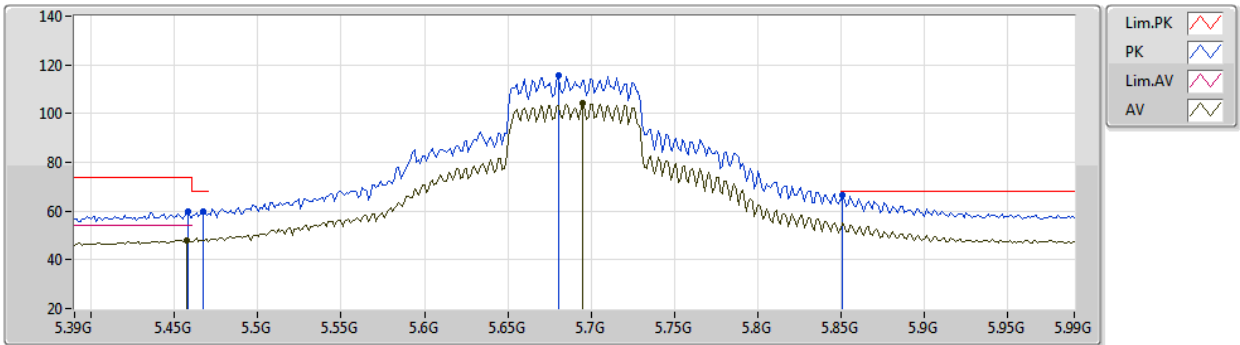
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4536G      | 60.74             | 74.00             | -13.26         | 55.02         | 3           | Vertical  | 311            | 1.89          | -       | 31.71      | 5.80       | 31.79      |
| AV   | 5.4572G      | 48.97             | 54.00             | -5.03          | 43.25         | 3           | Vertical  | 311            | 1.89          | -       | 31.71      | 5.80       | 31.79      |
| PK   | 5.462G       | 61.09             | 68.20             | -7.11          | 55.36         | 3           | Vertical  | 311            | 1.89          | -       | 31.72      | 5.80       | 31.79      |
| PK   | 5.7032G      | 116.41            | Inf               | -Inf           | 110.70        | 3           | Vertical  | 311            | 1.89          | -       | 31.71      | 5.89       | 31.89      |
| AV   | 5.6984G      | 104.64            | Inf               | -Inf           | 98.94         | 3           | Vertical  | 311            | 1.89          | -       | 31.70      | 5.89       | 31.89      |
| PK   | 5.85G        | 66.91             | 68.20             | -1.29          | 60.65         | 3           | Vertical  | 311            | 1.89          | -       | 32.25      | 5.97       | 31.96      |

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

25/12/2019

## 5690MHz\_TX



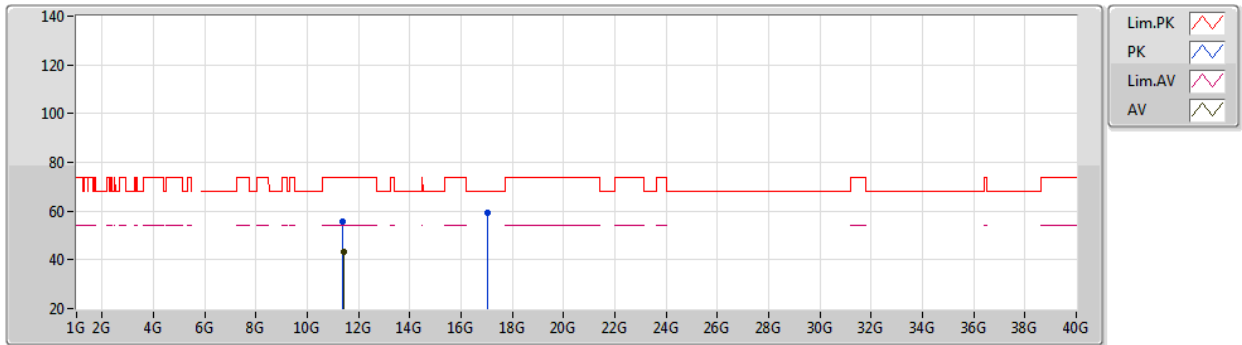
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4584G      | 59.65             | 74.00             | -14.35         | 53.92         | 3           | Horizontal | 3              | 1.93          | -       | 31.72      | 5.80       | 31.79      |
| AV   | 5.4572G      | 47.90             | 54.00             | -6.10          | 42.18         | 3           | Horizontal | 3              | 1.93          | -       | 31.71      | 5.80       | 31.79      |
| PK   | 5.4668G      | 59.85             | 68.20             | -8.35          | 54.11         | 3           | Horizontal | 3              | 1.93          | -       | 31.73      | 5.80       | 31.79      |
| PK   | 5.6804G      | 115.77            | Inf               | -Inf           | 110.10        | 3           | Horizontal | 3              | 1.93          | -       | 31.68      | 5.87       | 31.88      |
| AV   | 5.6948G      | 104.31            | Inf               | -Inf           | 98.62         | 3           | Horizontal | 3              | 1.93          | -       | 31.69      | 5.89       | 31.89      |
| PK   | 5.8508G      | 66.44             | 68.20             | -1.76          | 60.18         | 3           | Horizontal | 3              | 1.93          | -       | 32.25      | 5.97       | 31.96      |

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

25/12/2019

## 5690MHz\_TX



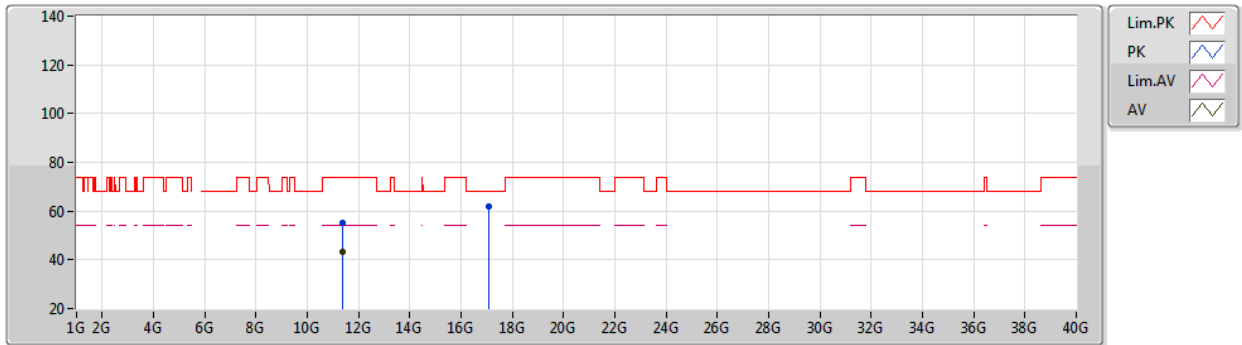
EUT Y\_4TX  
04-F-A-3

| 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   | 11.37744G    | 55.80             | 74.00             | -18.20         | 41.63         | 3           | Vertical  | 339            | 1.39          | -       | 39.83      | 8.08       | 33.74      |
| AV   | 11.41072G    | 43.32             | 54.00             | -10.68         | 29.20         | 3           | Vertical  | 339            | 1.39          | -       | 39.78      | 8.09       | 33.75      |
| PK   | 17.03656G    | 59.50             | 68.20             | -8.70          | 42.94         | 3           | Vertical  | 258            | 1.80          | -       | 41.07      | 9.37       | 33.88      |

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

25/12/2019

## 5690MHz\_TX



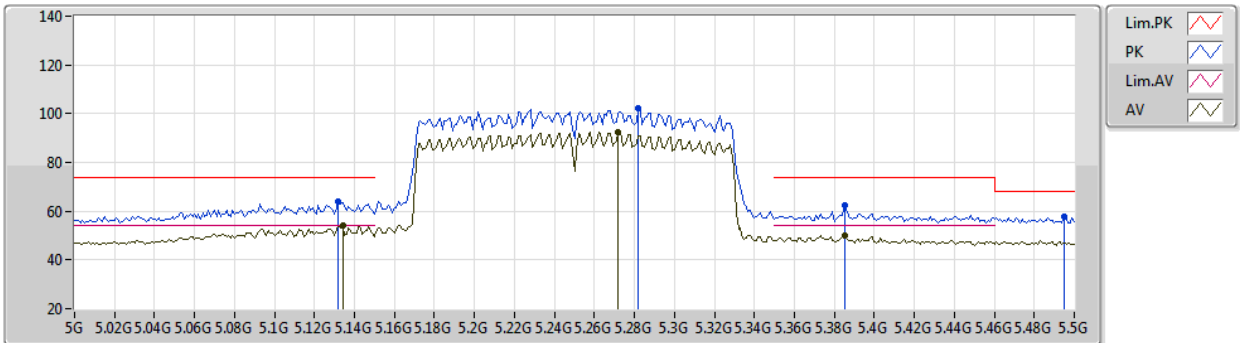
EUT Y\_4TX  
04-F-A-3

| 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   | 11.36144G    | 55.20             | 74.00             | -18.80         | 40.99         | 3           | Horizontal | 272            | 1.56          | -       | 39.86      | 8.08       | 33.73      |
| AV   | 11.39504G    | 43.35             | 54.00             | -10.65         | 29.19         | 3           | Horizontal | 272            | 1.56          | -       | 39.81      | 8.09       | 33.74      |
| PK   | 17.066G      | 61.96             | 68.20             | -6.24          | 45.08         | 3           | Horizontal | 331            | 3.00          | -       | 41.36      | 9.39       | 33.87      |

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

25/12/2019

## 5250MHz\_TX

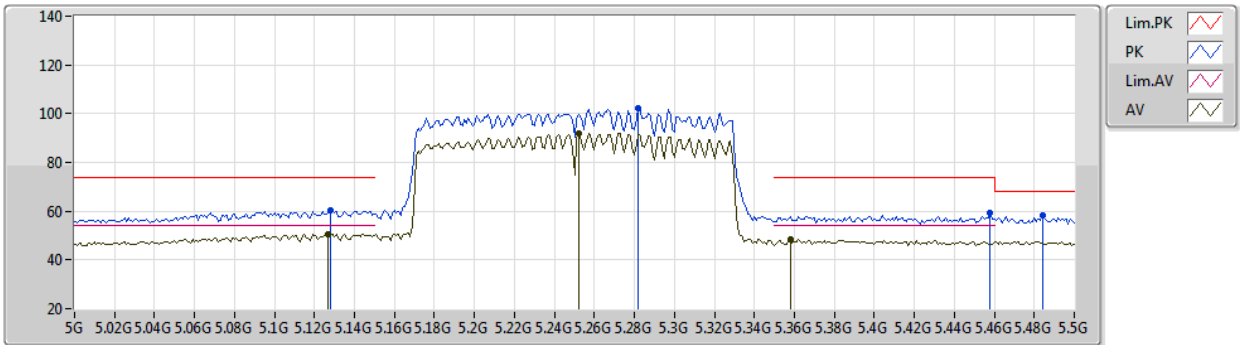

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.132G       | 63.71             | 74.00             | -10.29         | 57.90         | 3           | Vertical  | 267            | 1.88          | -       | 31.84      | 5.60       | 31.63      |
| AV   | 5.134G       | 53.89             | 54.00             | -0.11          | 48.09         | 3           | Vertical  | 267            | 1.88          | -       | 31.83      | 5.60       | 31.63      |
| PK   | 5.282G       | 102.47            | Inf               | -Inf           | 97.32         | 3           | Vertical  | 267            | 1.88          | -       | 31.17      | 5.68       | 31.70      |
| AV   | 5.272G       | 92.44             | Inf               | -Inf           | 87.26         | 3           | Vertical  | 267            | 1.88          | -       | 31.21      | 5.67       | 31.70      |
| PK   | 5.385G       | 62.46             | 74.00             | -11.54         | 56.89         | 3           | Vertical  | 267            | 1.88          | -       | 31.53      | 5.79       | 31.75      |
| AV   | 5.385G       | 49.92             | 54.00             | -4.08          | 44.35         | 3           | Vertical  | 267            | 1.88          | -       | 31.53      | 5.79       | 31.75      |
| PK   | 5.495G       | 57.89             | 68.20             | -10.31         | 52.11         | 3           | Vertical  | 267            | 1.88          | -       | 31.79      | 5.80       | 31.81      |

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

25/12/2019

## 5250MHz\_TX

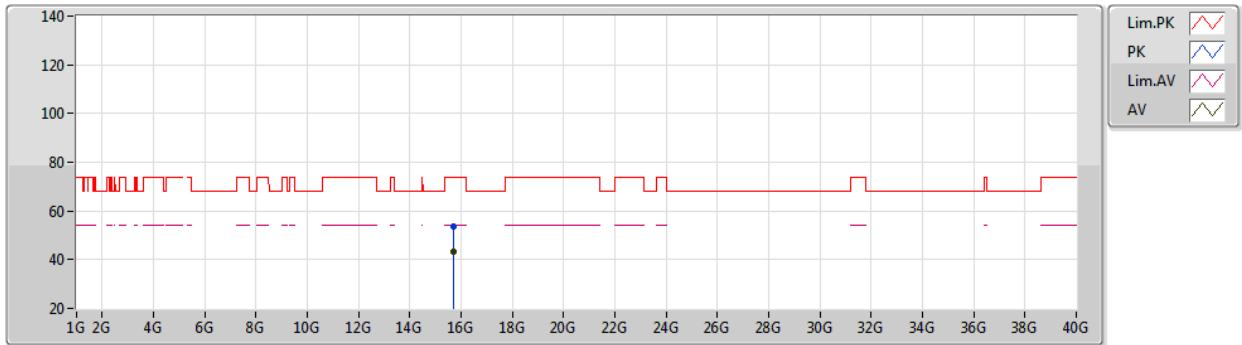

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.128G       | 60.55             | 74.00             | -13.45         | 54.71         | 3           | Horizontal | 70             | 1.12          | -       | 31.86      | 5.60       | 31.62      |
| AV   | 5.127G       | 50.73             | 54.00             | -3.27          | 44.89         | 3           | Horizontal | 70             | 1.12          | -       | 31.86      | 5.60       | 31.62      |
| PK   | 5.282G       | 102.05            | Inf               | -Inf           | 96.90         | 3           | Horizontal | 70             | 1.12          | -       | 31.17      | 5.68       | 31.70      |
| AV   | 5.252G       | 91.95             | Inf               | -Inf           | 86.70         | 3           | Horizontal | 70             | 1.12          | -       | 31.29      | 5.65       | 31.69      |
| PK   | 5.458G       | 59.51             | 74.00             | -14.49         | 53.78         | 3           | Horizontal | 70             | 1.12          | -       | 31.72      | 5.80       | 31.79      |
| AV   | 5.358G       | 48.70             | 54.00             | -5.30          | 43.29         | 3           | Horizontal | 70             | 1.12          | -       | 31.39      | 5.76       | 31.74      |
| PK   | 5.484G       | 58.39             | 68.20             | -9.81          | 52.62         | 3           | Horizontal | 70             | 1.12          | -       | 31.77      | 5.80       | 31.80      |

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

25/12/2019

## 5250MHz\_TX



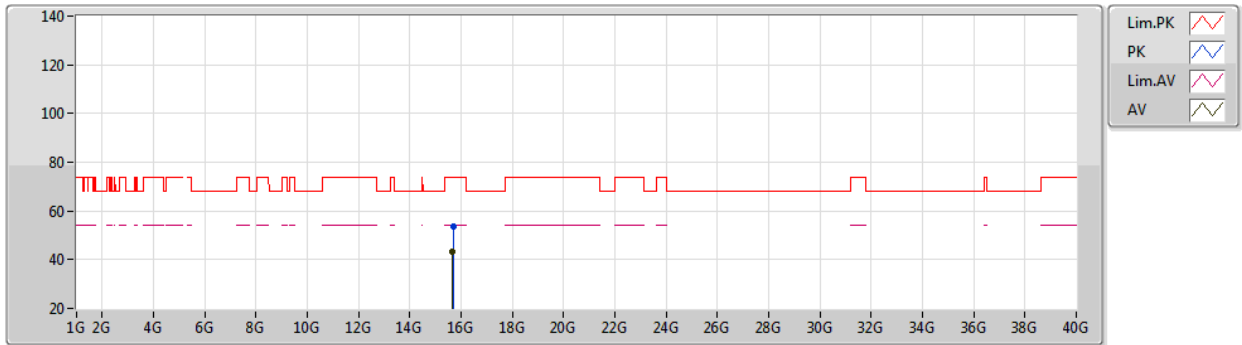
EUT Y\_4TX  
04-F-A-3

| 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   | 15.71352G    | 53.80             | 74.00             | -20.20         | 40.32         | 3           | Vertical  | 255            | 1.37          | -       | 38.50      | 8.73       | 33.75      |
| AV   | 15.72792G    | 43.12             | 54.00             | -10.88         | 29.69         | 3           | Vertical  | 255            | 1.37          | -       | 38.45      | 8.73       | 33.75      |

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

25/12/2019

## 5250MHz\_TX



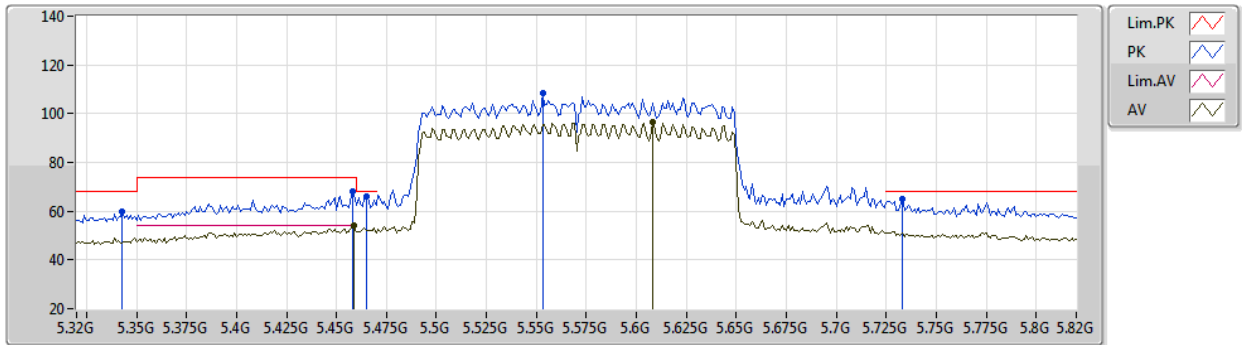
EUT Y\_4TX  
04-F-A-3

| 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   | 15.70456G    | 53.73             | 74.00             | -20.27         | 40.22         | 3           | Horizontal | 223            | 1.43          | -       | 38.53      | 8.73       | 33.75      |
| AV   | 15.67128G    | 43.09             | 54.00             | -10.91         | 29.45         | 3           | Horizontal | 223            | 1.43          | -       | 38.65      | 8.73       | 33.74      |

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

25/12/2019

## 5570MHz\_TX

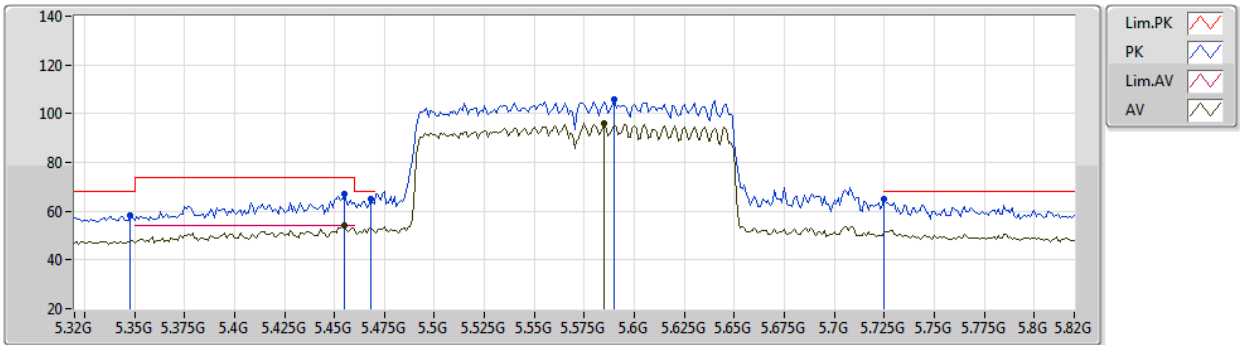

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.343G       | 59.97             | 68.20             | -8.23          | 54.64         | 3           | Vertical  | 313            | 2.56          | -       | 31.32      | 5.74       | 31.73      |
| PK   | 5.458G       | 67.89             | 74.00             | -6.11          | 62.16         | 3           | Vertical  | 313            | 2.56          | -       | 31.72      | 5.80       | 31.79      |
| AV   | 5.459G       | 53.88             | 54.00             | -0.12          | 48.15         | 3           | Vertical  | 313            | 2.56          | -       | 31.72      | 5.80       | 31.79      |
| PK   | 5.465G       | 66.20             | 68.20             | -2.00          | 60.46         | 3           | Vertical  | 313            | 2.56          | -       | 31.73      | 5.80       | 31.79      |
| PK   | 5.553G       | 108.36            | Inf               | -Inf           | 102.70        | 3           | Vertical  | 313            | 2.56          | -       | 31.69      | 5.80       | 31.83      |
| AV   | 5.608G       | 96.60             | Inf               | -Inf           | 91.03         | 3           | Vertical  | 313            | 2.56          | -       | 31.61      | 5.81       | 31.85      |
| PK   | 5.733G       | 65.23             | 68.20             | -2.97          | 59.38         | 3           | Vertical  | 313            | 2.56          | -       | 31.83      | 5.93       | 31.91      |

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

25/12/2019

## 5570MHz\_TX



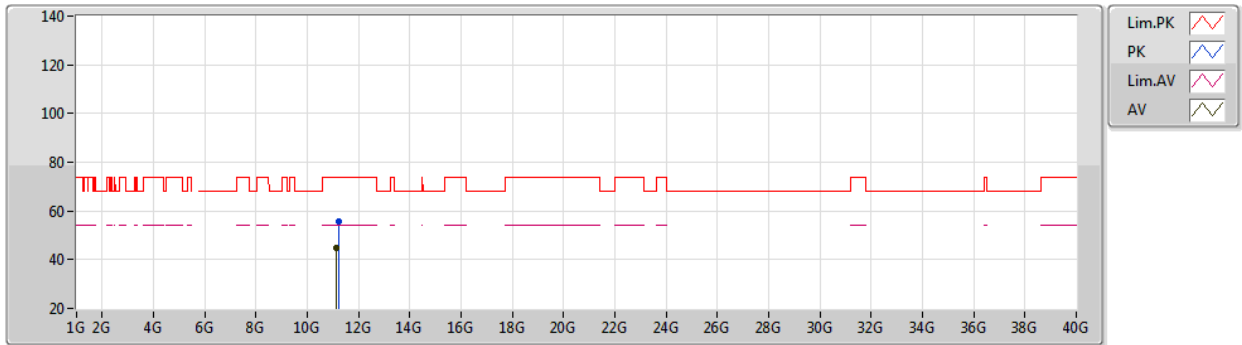
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.348G       | 58.27             | 68.20             | -9.93          | 52.91         | 3           | Horizontal | 3              | 1.80          | -       | 31.34      | 5.75       | 31.73      |
| PK   | 5.455G       | 66.84             | 74.00             | -7.16          | 61.12         | 3           | Horizontal | 3              | 1.80          | -       | 31.71      | 5.80       | 31.79      |
| AV   | 5.455G       | 53.97             | 54.00             | -0.03          | 48.25         | 3           | Horizontal | 3              | 1.80          | -       | 31.71      | 5.80       | 31.79      |
| PK   | 5.468G       | 64.97             | 68.20             | -3.23          | 59.22         | 3           | Horizontal | 3              | 1.80          | -       | 31.74      | 5.80       | 31.79      |
| PK   | 5.59G        | 105.98            | Inf               | -Inf           | 100.41        | 3           | Horizontal | 3              | 1.80          | -       | 31.62      | 5.80       | 31.85      |
| AV   | 5.585G       | 95.89             | Inf               | -Inf           | 90.30         | 3           | Horizontal | 3              | 1.80          | -       | 31.63      | 5.80       | 31.84      |
| PK   | 5.725G       | 64.90             | 68.20             | -3.30          | 59.08         | 3           | Horizontal | 3              | 1.80          | -       | 31.80      | 5.92       | 31.90      |

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

25/12/2019

## 5570MHz\_TX



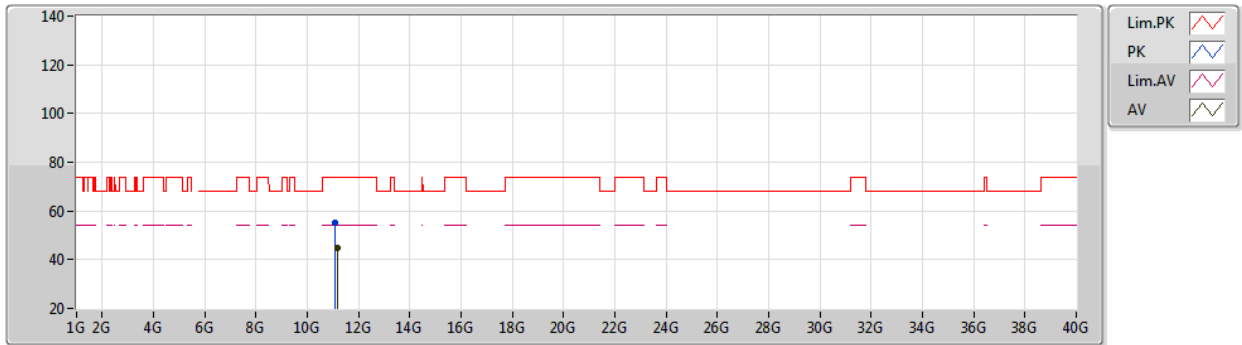
EUT Y\_4TX  
04-F-A-3

| 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   | 11.21744G    | 55.51             | 74.00             | -18.49         | 41.10         | 3           | Vertical  | 313            | 1.49          | -       | 40.07      | 8.03       | 33.69      |
| AV   | 11.12624G    | 44.98             | 54.00             | -9.02          | 30.45         | 3           | Vertical  | 313            | 1.49          | -       | 40.21      | 7.99       | 33.67      |

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

25/12/2019

## 5570MHz\_TX



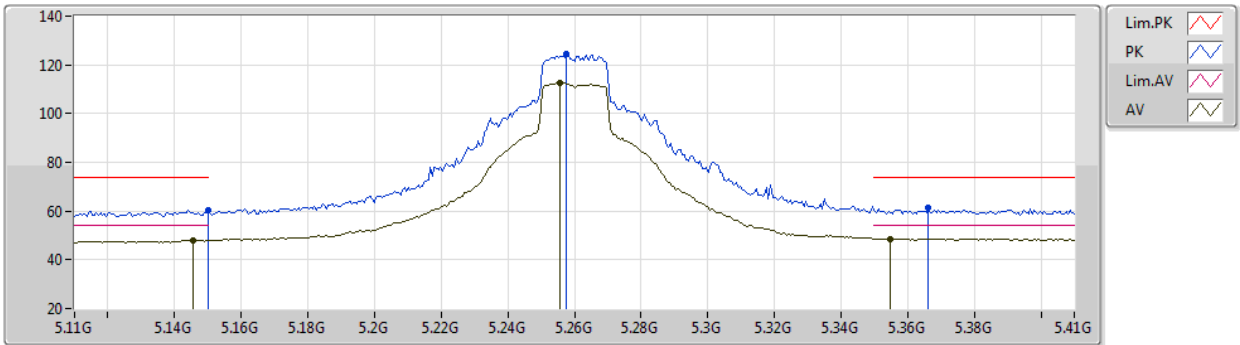
EUT Y\_4TX  
04-F-A-3

| 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   | 11.08432G    | 55.42             | 74.00             | -18.58         | 40.82         | 3           | Horizontal | 359            | 1.64          | -       | 40.27      | 7.98       | 33.65      |
| AV   | 11.19632G    | 45.05             | 54.00             | -8.95          | 30.61         | 3           | Horizontal | 359            | 1.64          | -       | 40.11      | 8.02       | 33.69      |

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

25/12/2019

## 5260MHz\_TX



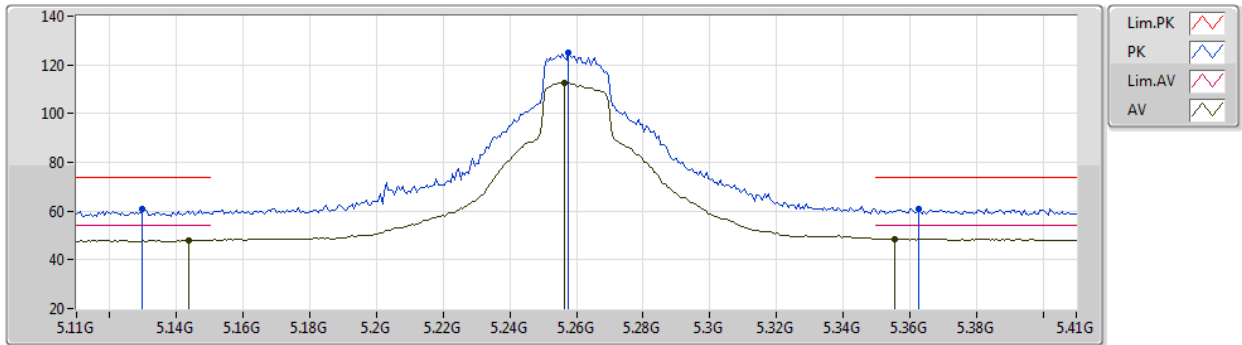
EUT Y\_4TX  
04-F-A-3-10

| 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        | 60.45             | 74.00             | -13.55         | 54.56         | 3           | Vertical  | 191            | 1.66          | -       | 34.05      | 6.61       | 34.77      |
| AV   | 5.1454G      | 48.00             | 54.00             | -6.00          | 42.12         | 3           | Vertical  | 191            | 1.66          | -       | 34.05      | 6.60       | 34.77      |
| PK   | 5.2576G      | 124.70            | Inf               | -Inf           | 118.66        | 3           | Vertical  | 191            | 1.66          | -       | 34.22      | 6.67       | 34.85      |
| AV   | 5.2558G      | 112.62            | Inf               | -Inf           | 106.59        | 3           | Vertical  | 191            | 1.66          | -       | 34.21      | 6.67       | 34.85      |
| PK   | 5.3662G      | 61.47             | 74.00             | -12.53         | 55.41         | 3           | Vertical  | 191            | 1.66          | -       | 34.37      | 6.62       | 34.93      |
| AV   | 5.3548G      | 48.69             | 54.00             | -5.31          | 42.64         | 3           | Vertical  | 191            | 1.66          | -       | 34.35      | 6.62       | 34.92      |

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

25/12/2019

## 5260MHz\_TX

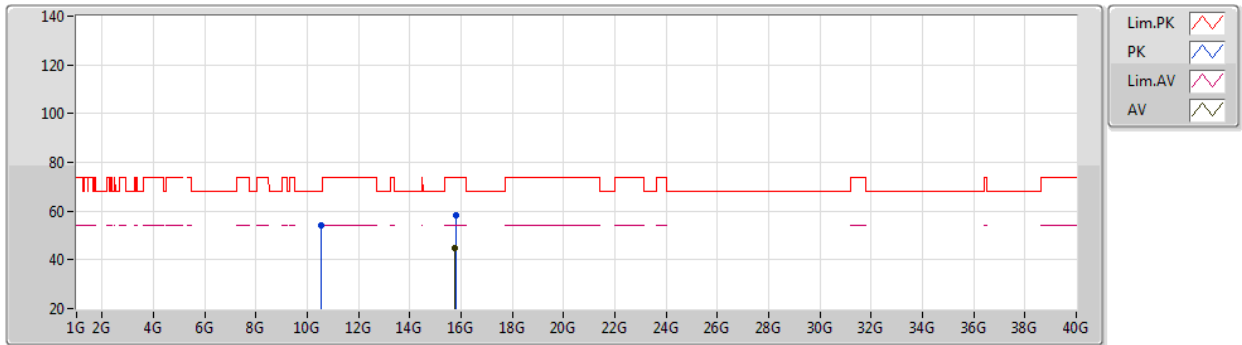

EUT Y\_4TX  
04-F-A-3-10

| 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      | 60.73             | 74.00             | -13.27         | 54.89         | 3           | Horizontal | 167            | 2.81          | -       | 34.03      | 6.57       | 34.76      |
| AV   | 5.1436G      | 48.14             | 54.00             | -5.86          | 42.27         | 3           | Horizontal | 167            | 2.81          | -       | 34.04      | 6.60       | 34.77      |
| PK   | 5.2576G      | 125.14            | Inf               | -Inf           | 119.10        | 3           | Horizontal | 167            | 2.81          | -       | 34.22      | 6.67       | 34.85      |
| AV   | 5.2564G      | 112.81            | Inf               | -Inf           | 106.78        | 3           | Horizontal | 167            | 2.81          | -       | 34.21      | 6.67       | 34.85      |
| PK   | 5.3626G      | 60.92             | 74.00             | -13.08         | 54.86         | 3           | Horizontal | 167            | 2.81          | -       | 34.36      | 6.62       | 34.92      |
| AV   | 5.3554G      | 48.60             | 54.00             | -5.40          | 42.54         | 3           | Horizontal | 167            | 2.81          | -       | 34.36      | 6.62       | 34.92      |

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

25/12/2019

### 5260MHz\_TX



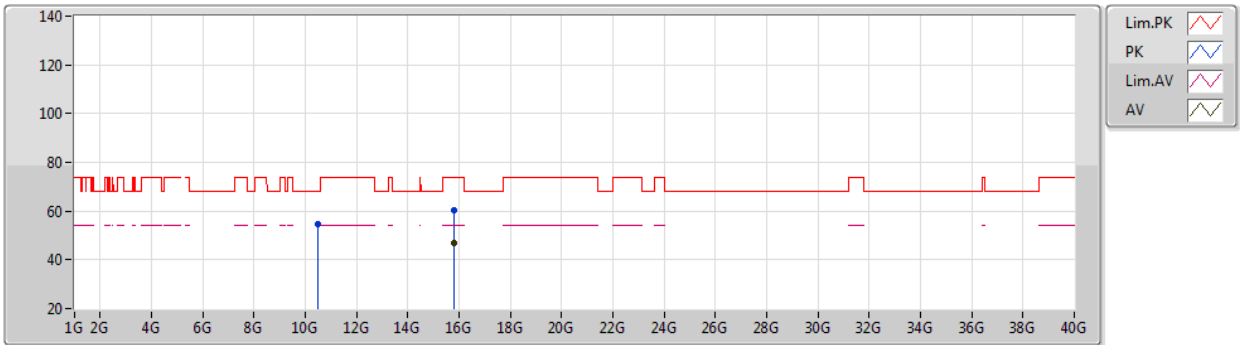
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5213G     | 54.12             | 68.20             | -14.08         | 41.16         | 3           | Vertical  | 53             | 2.63          | -       | 38.40      | 9.44       | 34.88      |
| PK   | 15.7989G     | 58.20             | 74.00             | -15.80         | 44.85         | 3           | Vertical  | 91             | 2.62          | -       | 38.10      | 10.33      | 35.08      |
| AV   | 15.7581G     | 44.88             | 54.00             | -9.12          | 31.36         | 3           | Vertical  | 91             | 2.62          | -       | 38.23      | 10.33      | 35.04      |

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

25/12/2019

## 5260MHz\_TX



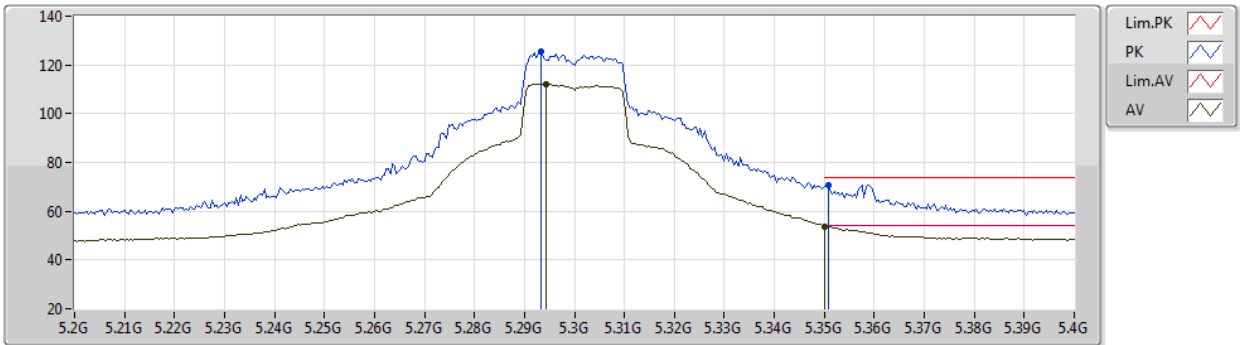
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5097G     | 54.57             | 68.20             | -13.63         | 41.63         | 3           | Horizontal | 310            | 1.10          | -       | 38.40      | 9.43       | 34.89      |
| PK   | 15.7889G     | 60.35             | 74.00             | -13.65         | 46.96         | 3           | Horizontal | 213            | 1.60          | -       | 38.13      | 10.33      | 35.07      |
| AV   | 15.7854G     | 46.78             | 54.00             | -7.22          | 33.38         | 3           | Horizontal | 213            | 1.60          | -       | 38.14      | 10.33      | 35.07      |

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

25/12/2019

## 5300MHz\_TX



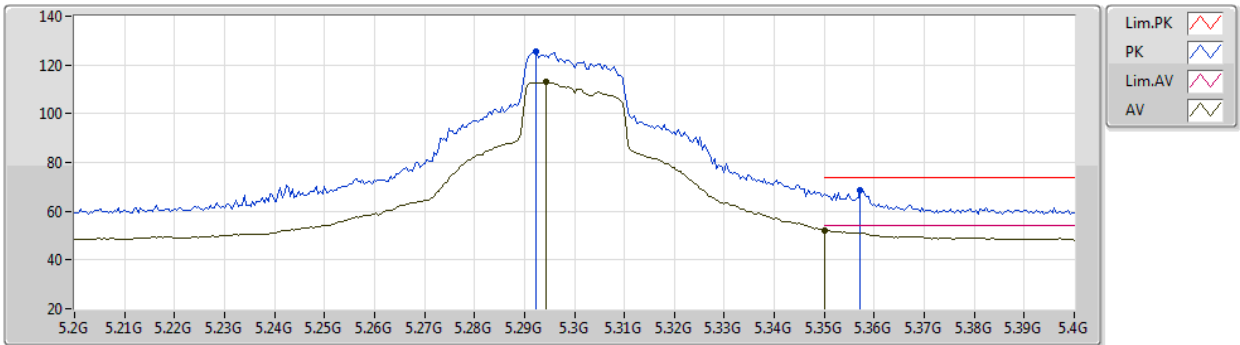
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.2932G      | 125.74            | Inf               | -Inf           | 119.68        | 3           | Vertical  | 202            | 1.72          | -       | 34.29      | 6.65       | 34.88      |
| AV   | 5.2944G      | 112.06            | Inf               | -Inf           | 106.00        | 3           | Vertical  | 202            | 1.72          | -       | 34.29      | 6.65       | 34.88      |
| PK   | 5.3508G      | 70.70             | 74.00             | -3.30          | 64.65         | 3           | Vertical  | 202            | 1.72          | -       | 34.35      | 6.62       | 34.92      |
| AV   | 5.35G        | 53.81             | 54.00             | -0.19          | 47.76         | 3           | Vertical  | 202            | 1.72          | -       | 34.35      | 6.62       | 34.92      |

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

25/12/2019

## 5300MHz\_TX



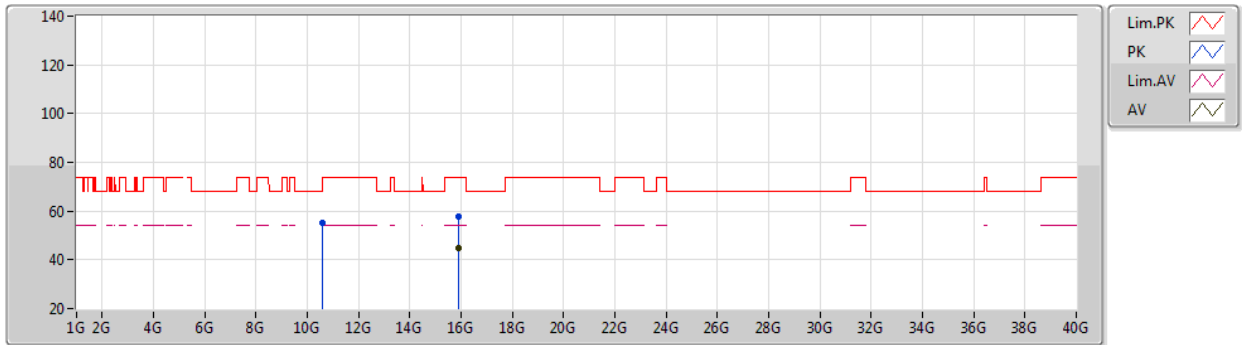
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.2924G      | 125.64            | Inf               | -Inf           | 119.58        | 3           | Horizontal | 176            | 2.34          | -       | 34.28      | 6.65       | 34.87      |
| AV   | 5.2944G      | 112.93            | Inf               | -Inf           | 106.87        | 3           | Horizontal | 176            | 2.34          | -       | 34.29      | 6.65       | 34.88      |
| PK   | 5.3572G      | 68.55             | 74.00             | -5.45          | 62.49         | 3           | Horizontal | 176            | 2.34          | -       | 34.36      | 6.62       | 34.92      |
| AV   | 5.35G        | 52.29             | 54.00             | -1.71          | 46.24         | 3           | Horizontal | 176            | 2.34          | -       | 34.35      | 6.62       | 34.92      |

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

25/12/2019

## 5300MHz\_TX



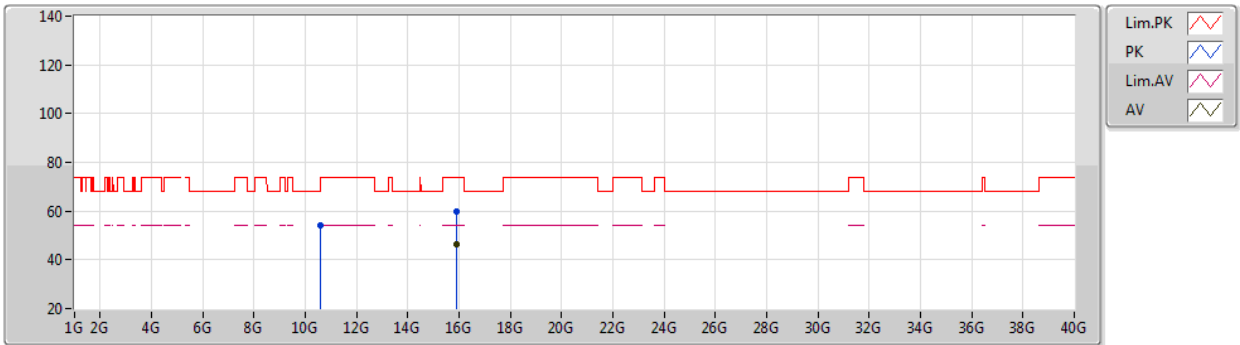
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5988G     | 55.17             | 68.20             | -13.03         | 42.12         | 3           | Vertical  | 258            | 2.16          | -       | 38.42      | 9.46       | 34.83      |
| PK   | 15.9031G     | 57.89             | 74.00             | -16.11         | 44.98         | 3           | Vertical  | 92             | 1.80          | -       | 37.79      | 10.31      | 35.19      |
| AV   | 15.8786G     | 44.57             | 54.00             | -9.43          | 31.56         | 3           | Vertical  | 92             | 1.80          | -       | 37.86      | 10.32      | 35.17      |

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

25/12/2019

## 5300MHz\_TX



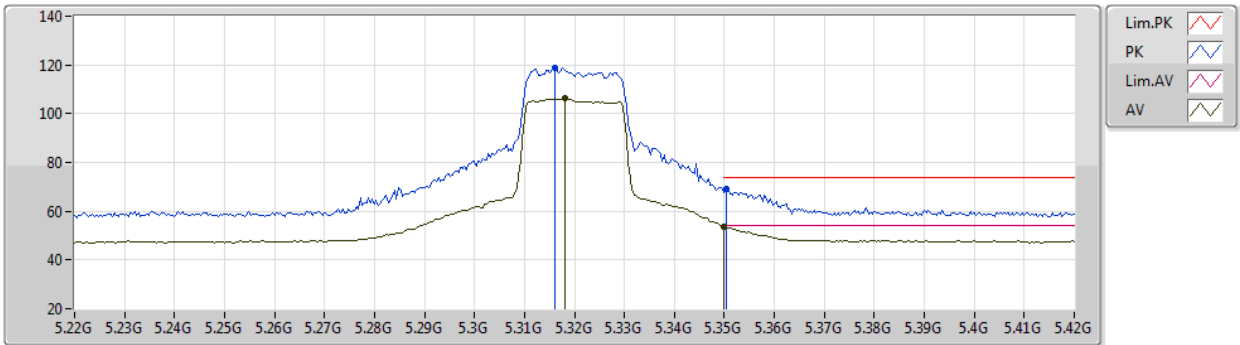
EUT Y\_4TX  
04-F-A-3

| 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   | 10.6084G     | 54.17             | 74.00             | -19.83         | 41.12         | 3           | Horizontal | 336            | 2.85          | -       | 38.42      | 9.46       | 34.83      |
| PK   | 15.9027G     | 59.97             | 74.00             | -14.03         | 47.06         | 3           | Horizontal | 217            | 1.31          | -       | 37.79      | 10.31      | 35.19      |
| AV   | 15.8965G     | 46.55             | 54.00             | -7.45          | 33.62         | 3           | Horizontal | 217            | 1.31          | -       | 37.81      | 10.31      | 35.19      |

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

25/12/2019

## 5320MHz\_TX



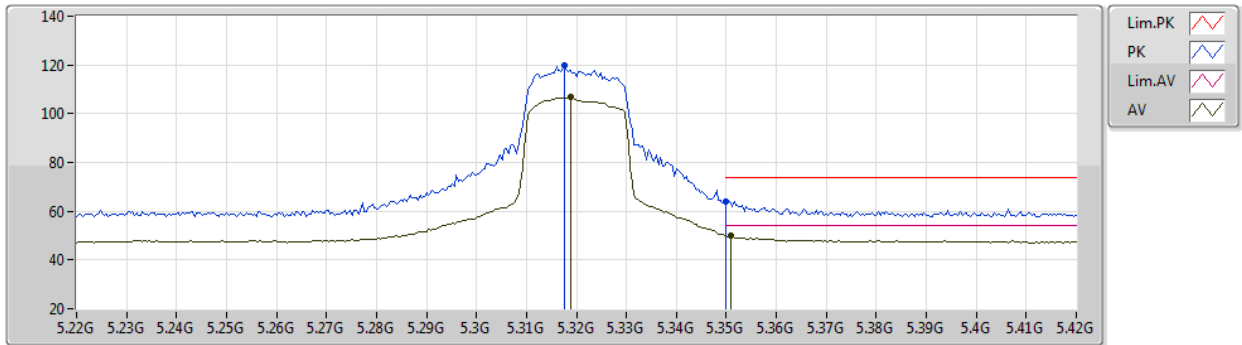
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.316G       | 118.93            | Inf               | -Inf           | 112.86        | 3           | Vertical  | 192            | 1.60          | -       | 34.32      | 6.64       | 34.89      |
| AV   | 5.318G       | 106.26            | Inf               | -Inf           | 100.19        | 3           | Vertical  | 192            | 1.60          | -       | 34.32      | 6.64       | 34.89      |
| PK   | 5.3504G      | 69.31             | 74.00             | -4.69          | 63.26         | 3           | Vertical  | 192            | 1.60          | -       | 34.35      | 6.62       | 34.92      |
| AV   | 5.35G        | 53.69             | 54.00             | -0.31          | 47.64         | 3           | Vertical  | 192            | 1.60          | -       | 34.35      | 6.62       | 34.92      |

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

25/12/2019

## 5320MHz\_TX



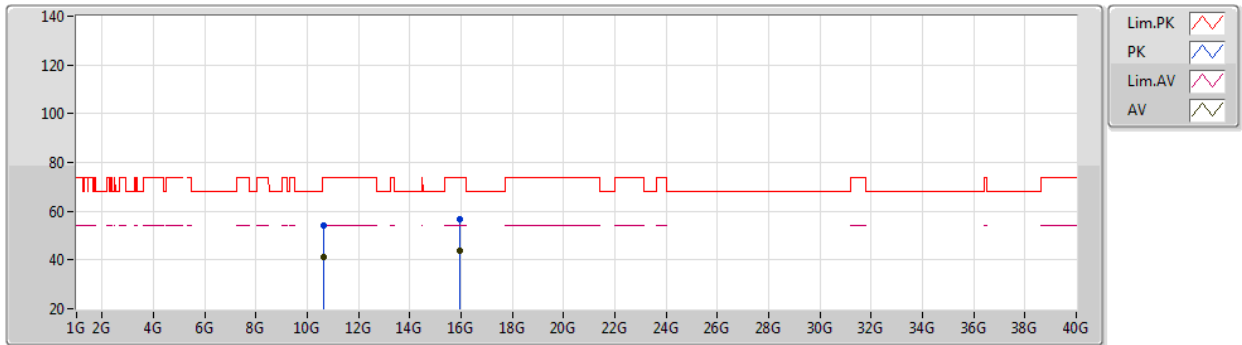
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.3176G      | 119.65            | Inf               | -Inf           | 113.58        | 3           | Horizontal | 121            | 1.53          | -       | 34.32      | 6.64       | 34.89      |
| AV   | 5.3188G      | 106.81            | Inf               | -Inf           | 100.74        | 3           | Horizontal | 121            | 1.53          | -       | 34.32      | 6.64       | 34.89      |
| PK   | 5.35G        | 64.13             | 74.00             | -9.87          | 58.08         | 3           | Horizontal | 121            | 1.53          | -       | 34.35      | 6.62       | 34.92      |
| AV   | 5.3508G      | 50.04             | 54.00             | -3.96          | 43.99         | 3           | Horizontal | 121            | 1.53          | -       | 34.35      | 6.62       | 34.92      |

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

25/12/2019

## 5320MHz\_TX



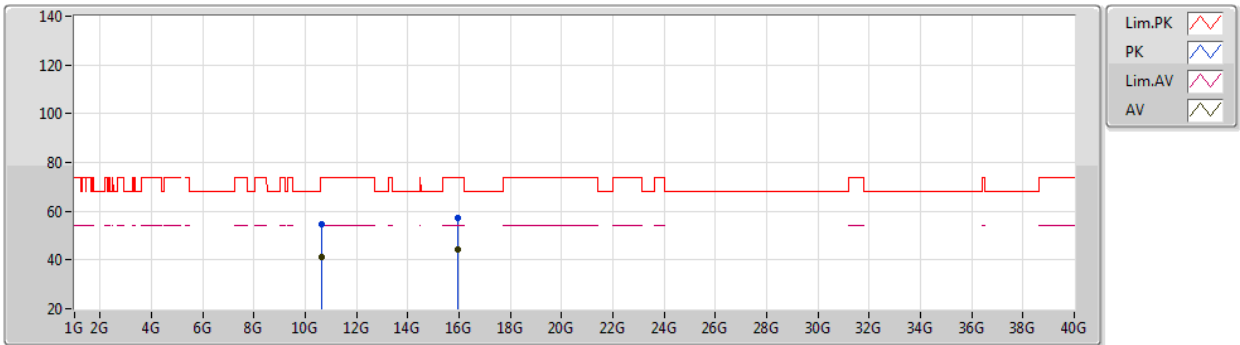
EUT Y\_4TX  
04-F-A-3

| 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   | 10.6498G     | 54.12             | 74.00             | -19.88         | 41.02         | 3           | Vertical  | 184            | 2.43          | -       | 38.43      | 9.47       | 34.80      |
| AV   | 10.6399G     | 41.33             | 54.00             | -12.67         | 28.24         | 3           | Vertical  | 184            | 2.43          | -       | 38.43      | 9.47       | 34.81      |
| PK   | 15.9735G     | 56.73             | 74.00             | -17.27         | 44.12         | 3           | Vertical  | 43             | 1.41          | -       | 37.58      | 10.30      | 35.27      |
| AV   | 15.9402G     | 44.00             | 54.00             | -10.00         | 31.24         | 3           | Vertical  | 43             | 1.41          | -       | 37.68      | 10.31      | 35.23      |

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

25/12/2019

## 5320MHz\_TX



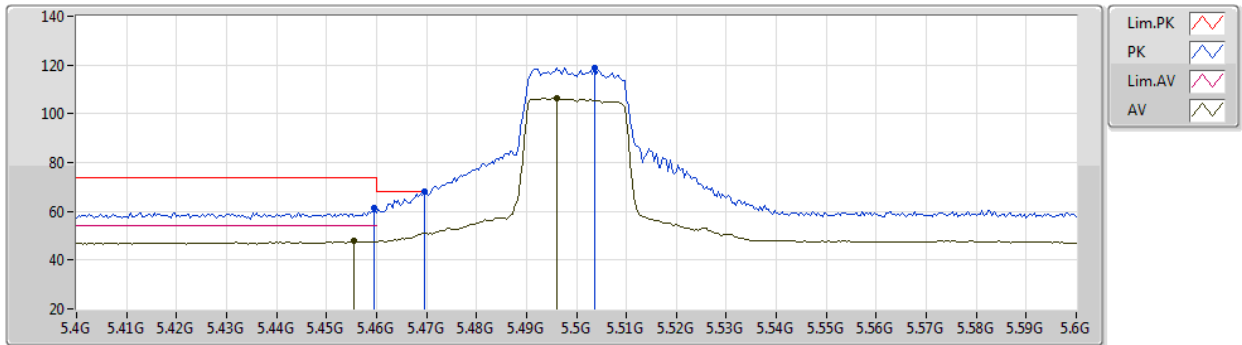
EUT Y\_4TX  
04-F-A-3

| 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   | 10.622G      | 54.43             | 74.00             | -19.57         | 41.37         | 3           | Horizontal | 255            | 2.03          | -       | 38.42      | 9.46       | 34.82      |
| AV   | 10.6467G     | 41.33             | 54.00             | -12.67         | 28.24         | 3           | Horizontal | 255            | 2.03          | -       | 38.43      | 9.47       | 34.81      |
| PK   | 15.9387G     | 57.01             | 74.00             | -16.99         | 44.25         | 3           | Horizontal | 248            | 1.80          | -       | 37.68      | 10.31      | 35.23      |
| AV   | 15.9683G     | 44.12             | 54.00             | -9.88          | 31.49         | 3           | Horizontal | 248            | 1.80          | -       | 37.60      | 10.30      | 35.27      |

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

25/12/2019

## 5500MHz\_TX

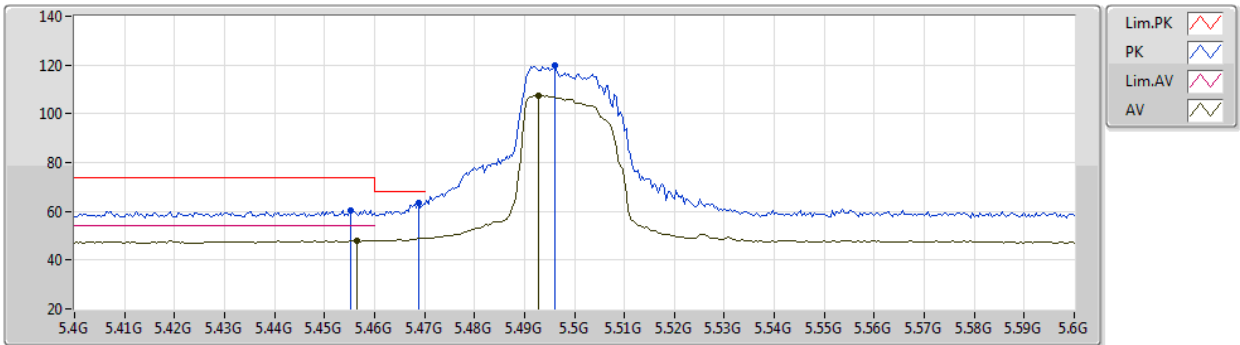

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4596G      | 61.19             | 74.00             | -12.81         | 55.02         | 3           | Vertical  | 188            | 1.45          | -       | 34.46      | 6.70       | 34.99      |  |
| AV   | 5.4556G      | 47.80             | 54.00             | -6.20          | 41.63         | 3           | Vertical  | 188            | 1.45          | -       | 34.46      | 6.69       | 34.98      |  |
| PK   | 5.4696G      | 68.12             | 68.20             | -0.08          | 61.93         | 3           | Vertical  | 188            | 1.45          | -       | 34.47      | 6.71       | 34.99      |  |
| PK   | 5.5036G      | 118.85            | Inf               | -Inf           | 112.59        | 3           | Vertical  | 188            | 1.45          | -       | 34.50      | 6.77       | 35.01      |  |
| AV   | 5.496G       | 106.27            | Inf               | -Inf           | 100.03        | 3           | Vertical  | 188            | 1.45          | -       | 34.50      | 6.75       | 35.01      |  |

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

25/12/2019

## 5500MHz\_TX

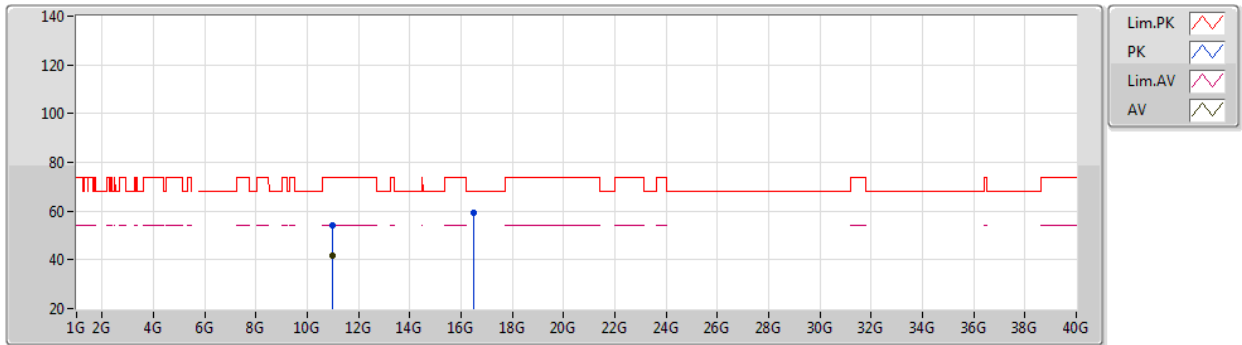

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4552G      | 60.60             | 74.00             | -13.40         | 54.43         | 3           | Horizontal | 174            | 1.80          | -       | 34.46      | 6.69       | 34.98      |  |
| AV   | 5.4564G      | 47.95             | 54.00             | -6.05          | 41.78         | 3           | Horizontal | 174            | 1.80          | -       | 34.46      | 6.69       | 34.98      |  |
| PK   | 5.4688G      | 63.59             | 68.20             | -4.61          | 57.40         | 3           | Horizontal | 174            | 1.80          | -       | 34.47      | 6.71       | 34.99      |  |
| PK   | 5.496G       | 120.03            | Inf               | -Inf           | 113.79        | 3           | Horizontal | 174            | 1.80          | -       | 34.50      | 6.75       | 35.01      |  |
| AV   | 5.4928G      | 107.52            | Inf               | -Inf           | 101.29        | 3           | Horizontal | 174            | 1.80          | -       | 34.49      | 6.75       | 35.01      |  |

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

25/12/2019

## 5500MHz\_TX



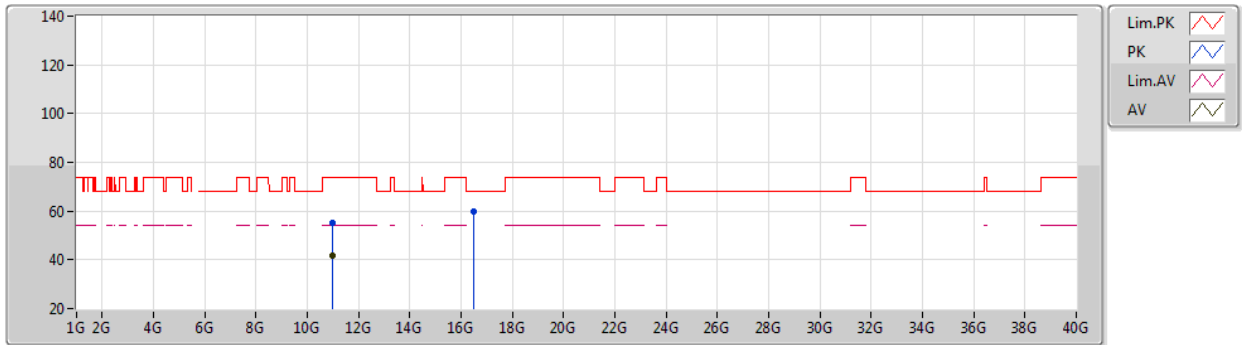
EUT Y\_4TX  
04-F-A-3

| 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   | 10.9975G     | 54.17             | 74.00             | -19.83         | 40.70         | 3           | Vertical  | 134            | 1.41          | -       | 38.50      | 9.56       | 34.59      |
| AV   | 11.0008G     | 41.72             | 54.00             | -12.28         | 28.25         | 3           | Vertical  | 134            | 1.41          | -       | 38.50      | 9.56       | 34.59      |
| PK   | 16.5134G     | 59.40             | 68.20             | -8.80          | 44.79         | 3           | Vertical  | 182            | 2.59          | -       | 38.73      | 10.82      | 34.94      |

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

25/12/2019

## 5500MHz\_TX



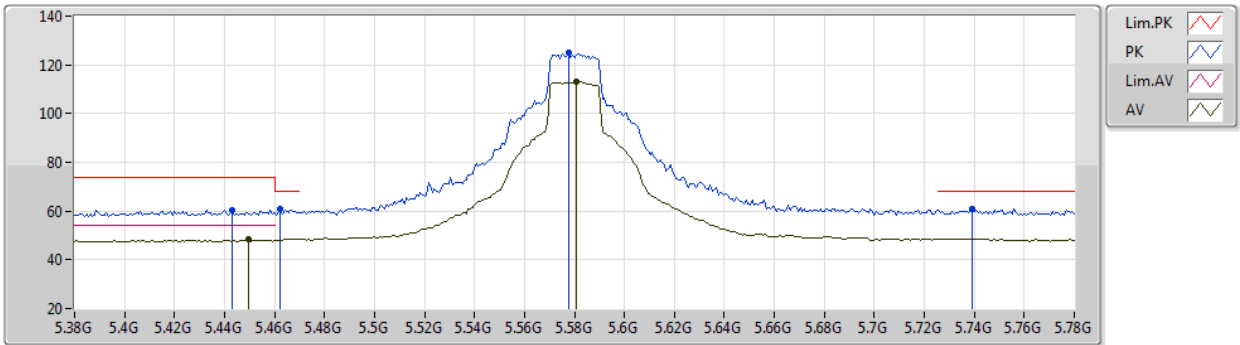
EUT Y\_4TX  
04-F-A-3

| 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   | 11.0016G     | 55.27             | 74.00             | -18.73         | 41.80         | 3           | Horizontal | 142            | 2.15          | -       | 38.50      | 9.56       | 34.59      |
| AV   | 10.9969G     | 41.82             | 54.00             | -12.18         | 28.35         | 3           | Horizontal | 142            | 2.15          | -       | 38.50      | 9.56       | 34.59      |
| PK   | 16.4873G     | 59.68             | 68.20             | -8.52          | 45.16         | 3           | Horizontal | 138            | 2.74          | -       | 38.67      | 10.80      | 34.95      |

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

25/12/2019

## 5580MHz\_TX



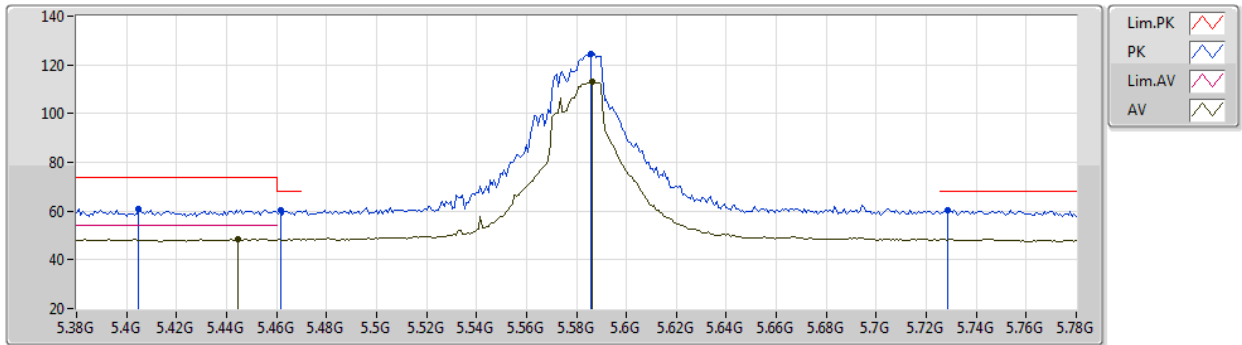
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4432G      | 60.51             | 74.00             | -13.49         | 54.38         | 3           | Vertical  | 191            | 1.54          | -       | 34.44      | 6.67       | 34.98      |
| AV   | 5.4496G      | 48.29             | 54.00             | -5.71          | 42.14         | 3           | Vertical  | 191            | 1.54          | -       | 34.45      | 6.68       | 34.98      |
| PK   | 5.4624G      | 60.86             | 68.20             | -7.34          | 54.69         | 3           | Vertical  | 191            | 1.54          | -       | 34.46      | 6.70       | 34.99      |
| PK   | 5.5776G      | 125.07            | Inf               | -Inf           | 118.77        | 3           | Vertical  | 191            | 1.54          | -       | 34.42      | 6.87       | 34.99      |
| AV   | 5.5808G      | 113.01            | Inf               | -Inf           | 106.71        | 3           | Vertical  | 191            | 1.54          | -       | 34.42      | 6.87       | 34.99      |
| PK   | 5.7392G      | 61.03             | 68.20             | -7.17          | 54.84         | 3           | Vertical  | 191            | 1.54          | -       | 34.30      | 6.83       | 34.94      |

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

25/12/2019

## 5580MHz\_TX

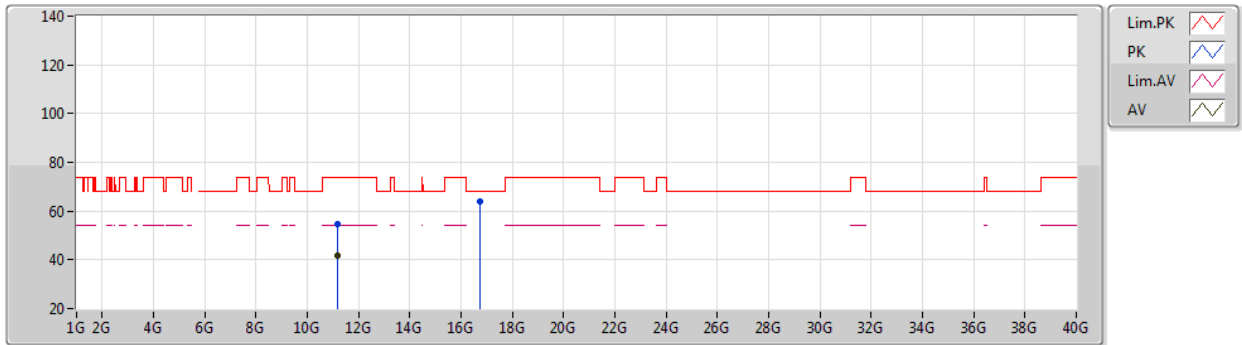

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4048G      | 60.82             | 74.00             | -13.18         | 54.76         | 3           | Horizontal | 167            | 2.78          | -       | 34.40      | 6.61       | 34.95      |
| PK   | 5.4616G      | 60.13             | 68.20             | -8.07          | 53.96         | 3           | Horizontal | 167            | 2.78          | -       | 34.46      | 6.70       | 34.99      |
| AV   | 5.4448G      | 48.60             | 54.00             | -5.40          | 42.47         | 3           | Horizontal | 167            | 2.78          | -       | 34.44      | 6.67       | 34.98      |
| PK   | 5.5856G      | 124.73            | Inf               | -Inf           | 118.42        | 3           | Horizontal | 167            | 2.78          | -       | 34.41      | 6.88       | 34.98      |
| AV   | 5.5864G      | 112.92            | Inf               | -Inf           | 106.61        | 3           | Horizontal | 167            | 2.78          | -       | 34.41      | 6.88       | 34.98      |
| PK   | 5.7288G      | 60.42             | 68.20             | -7.78          | 54.22         | 3           | Horizontal | 167            | 2.78          | -       | 34.30      | 6.84       | 34.94      |

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

25/12/2019

## 5580MHz\_TX



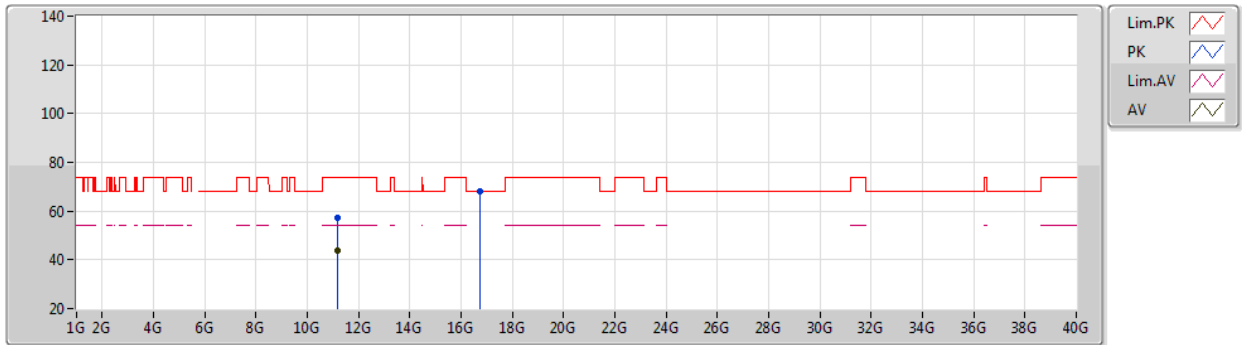
EUT Y\_4TX  
04-F-A-3

| 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   | 11.1683G     | 54.80             | 74.00             | -19.20         | 41.20         | 3           | Vertical  | 156            | 1.48          | -       | 38.62      | 9.60       | 34.62      |  |
| AV   | 11.1645G     | 41.83             | 54.00             | -12.17         | 28.23         | 3           | Vertical  | 156            | 1.48          | -       | 38.62      | 9.60       | 34.62      |  |
| PK   | 16.7453G     | 64.20             | 68.20             | -4.00          | 48.62         | 3           | Vertical  | 255            | 2.85          | -       | 39.29      | 11.06      | 34.77      |  |

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

25/12/2019

## 5580MHz\_TX



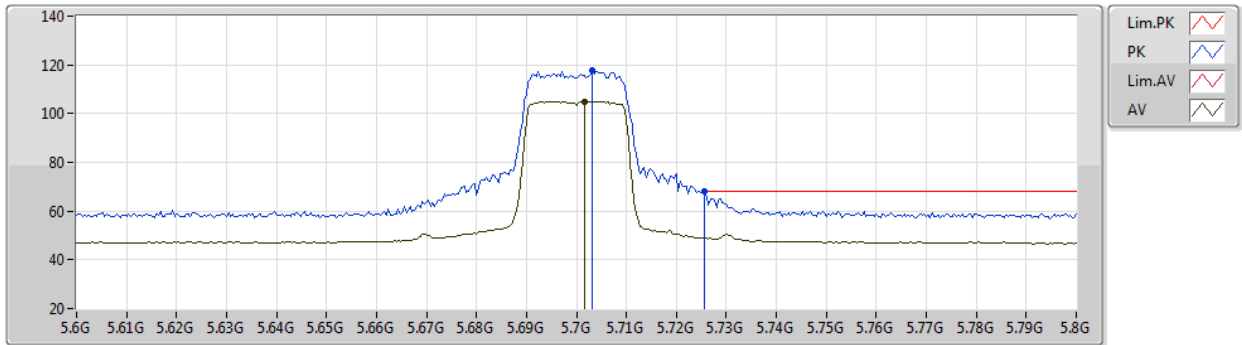
EUT Y\_4TX  
04-F-A-3

| 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   | 11.1577G     | 57.02             | 74.00             | -16.98         | 43.43         | 3           | Horizontal | 310            | 1.95          | -       | 38.61      | 9.60       | 34.62      |
| AV   | 11.164G      | 43.89             | 54.00             | -10.11         | 30.30         | 3           | Horizontal | 310            | 1.95          | -       | 38.61      | 9.60       | 34.62      |
| PK   | 16.7339G     | 67.92             | 68.20             | -0.28          | 52.39         | 3           | Horizontal | 224            | 1.80          | -       | 39.26      | 11.05      | 34.78      |

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

25/12/2019

## 5700MHz\_TX



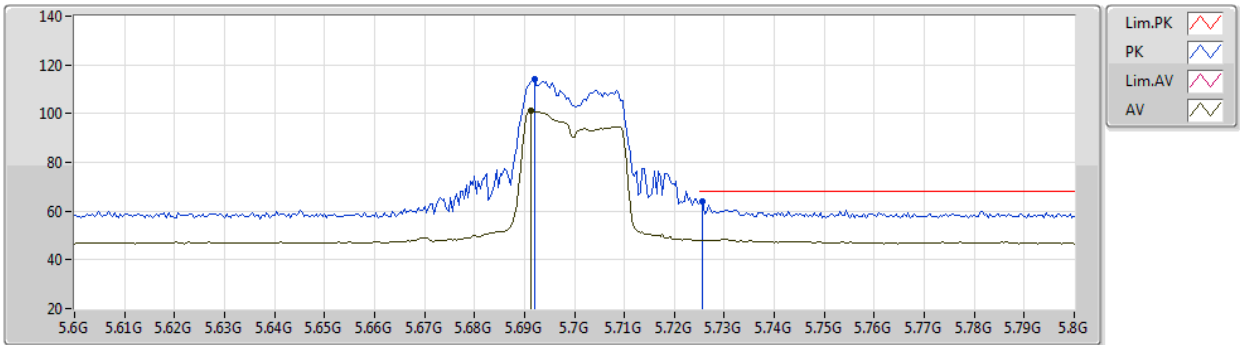
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.7032G      | 117.79            | Inf               | -Inf           | 111.59        | 3           | Vertical  | 193            | 1.38          | -       | 34.30      | 6.85       | 34.95      |
| AV   | 5.7016G      | 105.00            | Inf               | -Inf           | 98.80         | 3           | Vertical  | 193            | 1.38          | -       | 34.30      | 6.85       | 34.95      |
| PK   | 5.7256G      | 68.09             | 68.20             | -0.11          | 61.89         | 3           | Vertical  | 193            | 1.38          | -       | 34.30      | 6.84       | 34.94      |

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

25/12/2019

## 5700MHz\_TX



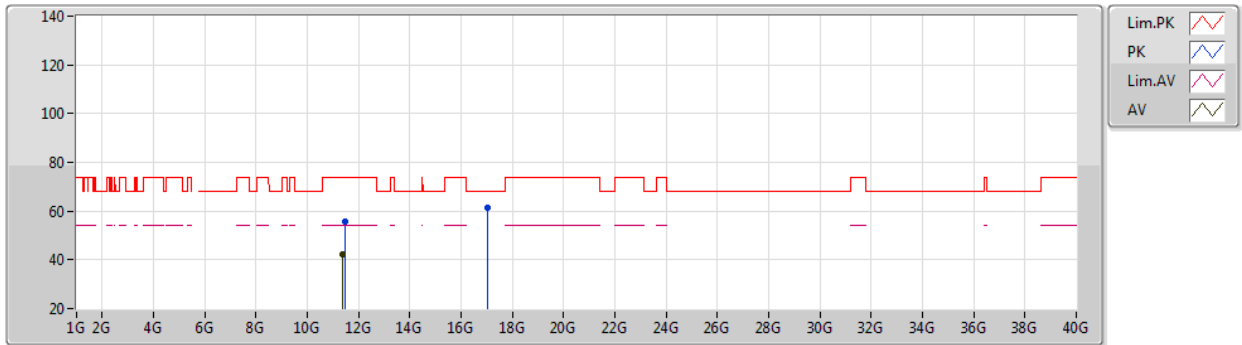
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.692G       | 114.09            | Inf               | -Inf           | 107.88        | 3           | Horizontal | 167            | 2.76          | -       | 34.31      | 6.85       | 34.95      |
| AV   | 5.6912G      | 101.07            | Inf               | -Inf           | 94.86         | 3           | Horizontal | 167            | 2.76          | -       | 34.31      | 6.85       | 34.95      |
| PK   | 5.7256G      | 63.94             | 68.20             | -4.26          | 57.74         | 3           | Horizontal | 167            | 2.76          | -       | 34.30      | 6.84       | 34.94      |

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

25/12/2019

## 5700MHz\_TX



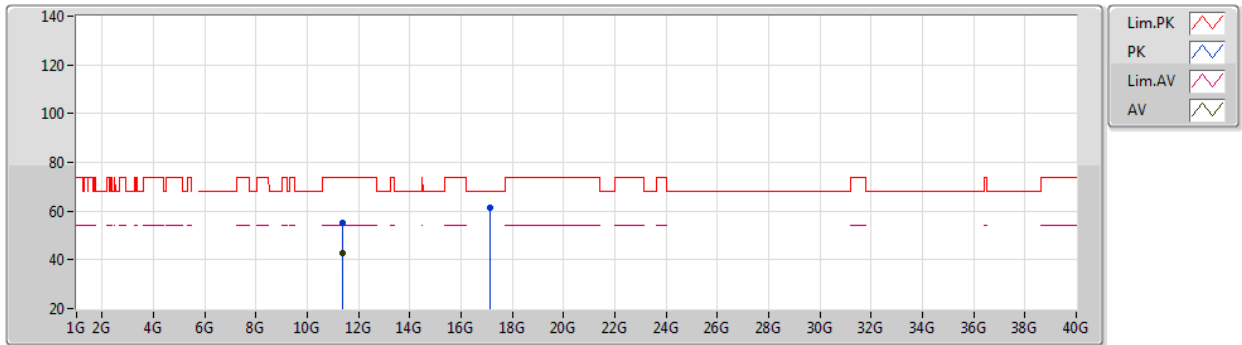
EUT Y\_4TX  
04-F-A-3

| 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   | 11.4536G     | 55.48             | 74.00             | -18.52         | 41.66         | 3           | Vertical  | 159            | 1.51          | -       | 38.82      | 9.67       | 34.67      |
| AV   | 11.3772G     | 42.49             | 54.00             | -11.51         | 28.74         | 3           | Vertical  | 159            | 1.51          | -       | 38.76      | 9.65       | 34.66      |
| PK   | 17.0264G     | 61.20             | 68.20             | -7.00          | 44.41         | 3           | Vertical  | 259            | 2.43          | -       | 40.03      | 11.35      | 34.59      |

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

25/12/2019

## 5700MHz\_TX



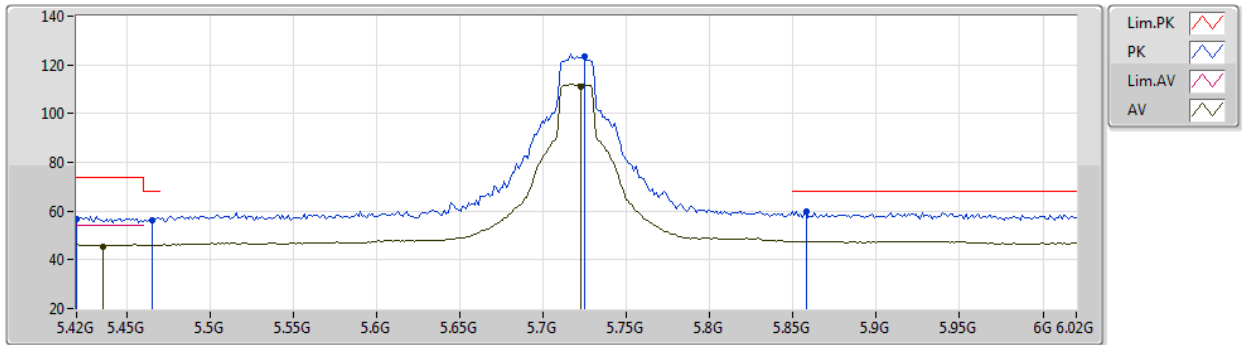
EUT Y\_4TX  
04-F-A-3

| 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   | 11.3884G     | 55.08             | 74.00             | -18.92         | 41.32         | 3           | Horizontal | 306            | 2.00          | -       | 38.77      | 9.65       | 34.66      |
| AV   | 11.3752G     | 42.52             | 54.00             | -11.48         | 28.77         | 3           | Horizontal | 306            | 2.00          | -       | 38.76      | 9.65       | 34.66      |
| PK   | 17.1284G     | 61.29             | 68.20             | -6.91          | 43.87         | 3           | Horizontal | 117            | 1.20          | -       | 40.55      | 11.45      | 34.58      |

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

25/12/2019

## 5720MHz Straddle 5.47-5.725GHz\_TX

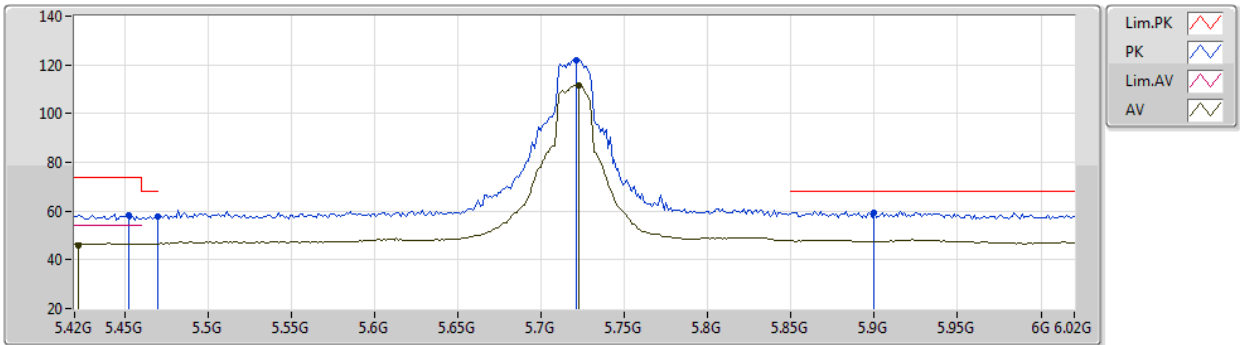

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.42G        | 56.80             | 74.00             | -17.20         | 52.09         | 3           | Vertical  | 360            | 1.94          | -       | 33.56      | 4.72       | 33.57      |
| AV   | 5.4356G      | 45.39             | 54.00             | -8.61          | 40.61         | 3           | Vertical  | 360            | 1.94          | -       | 33.61      | 4.74       | 33.57      |
| PK   | 5.4656G      | 56.28             | 68.20             | -11.92         | 51.39         | 3           | Vertical  | 360            | 1.94          | -       | 33.70      | 4.77       | 33.58      |
| PK   | 5.7248G      | 123.30            | Inf               | -Inf           | 117.85        | 3           | Vertical  | 360            | 1.94          | -       | 34.15      | 4.94       | 33.64      |
| AV   | 5.7224G      | 111.11            | Inf               | -Inf           | 105.67        | 3           | Vertical  | 360            | 1.94          | -       | 34.14      | 4.94       | 33.64      |
| PK   | 5.858G       | 59.94             | 68.20             | -8.26          | 54.03         | 3           | Vertical  | 360            | 1.94          | -       | 34.65      | 4.93       | 33.67      |

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

25/12/2019

## 5720MHz Straddle 5.47-5.725GHz\_TX



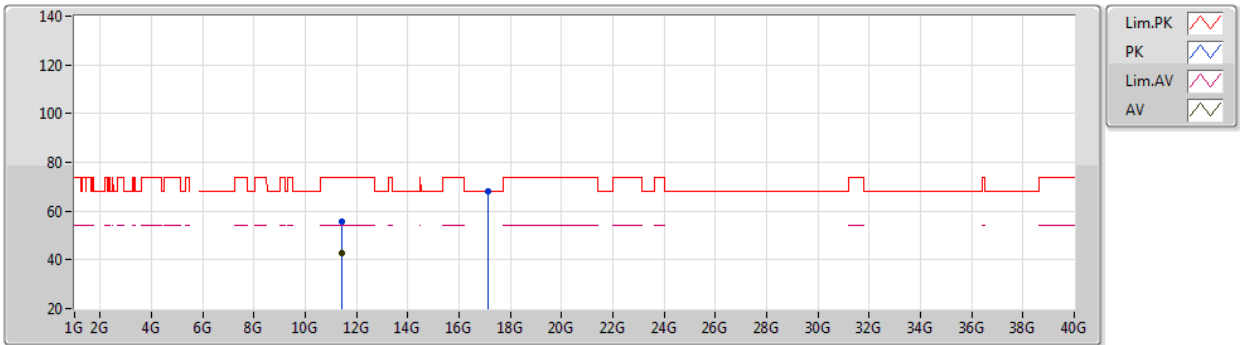
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4524G      | 58.35             | 74.00             | -15.65         | 53.52         | 3           | Horizontal | 3              | 1.79          | -       | 33.66      | 4.75       | 33.58      |
| AV   | 5.4224G      | 45.83             | 54.00             | -8.17          | 41.11         | 3           | Horizontal | 3              | 1.79          | -       | 33.57      | 4.72       | 33.57      |
| PK   | 5.47G        | 57.57             | 68.20             | -10.63         | 52.67         | 3           | Horizontal | 3              | 1.79          | -       | 33.71      | 4.77       | 33.58      |
| PK   | 5.7212G      | 121.93            | Inf               | -Inf           | 116.49        | 3           | Horizontal | 3              | 1.79          | -       | 34.14      | 4.94       | 33.64      |
| AV   | 5.7224G      | 111.35            | Inf               | -Inf           | 105.91        | 3           | Horizontal | 3              | 1.79          | -       | 34.14      | 4.94       | 33.64      |
| PK   | 5.9G         | 59.08             | 68.20             | -9.12          | 52.91         | 3           | Horizontal | 3              | 1.79          | -       | 34.90      | 4.95       | 33.68      |

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

25/12/2019

## 5720MHz Straddle 5.47-5.725GHz\_TX



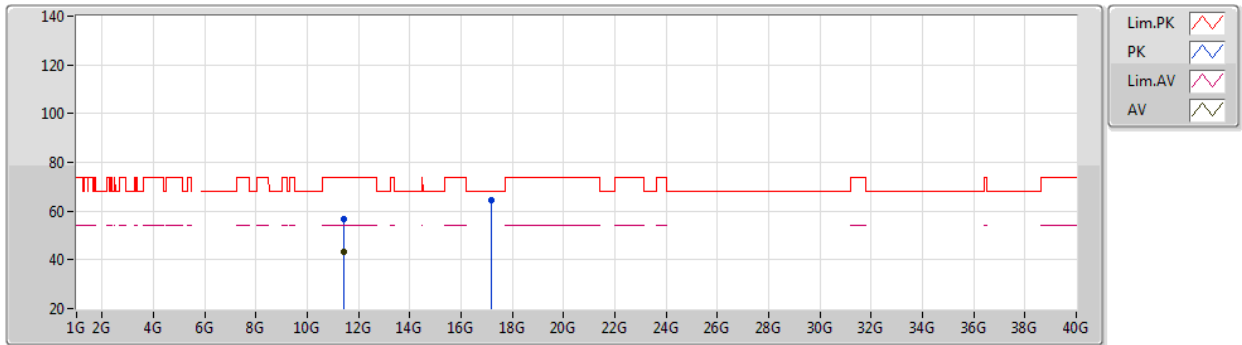
EUT Y\_4TX  
04-F-A-3

| 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   | 11.44248G    | 55.49             | 74.00             | -18.51         | 43.81         | 3           | Vertical  | 233            | 3.00          | -       | 39.18      | 7.24       | 34.74      |
| AV   | 11.43896G    | 42.57             | 54.00             | -11.43         | 30.88         | 3           | Vertical  | 233            | 3.00          | -       | 39.18      | 7.24       | 34.73      |
| PK   | 17.15312G    | 67.92             | 68.20             | -0.28          | 52.64         | 3           | Vertical  | 262            | 1.80          | -       | 40.94      | 9.86       | 35.52      |

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

25/12/2019

## 5720MHz Straddle 5.47-5.725GHz\_TX



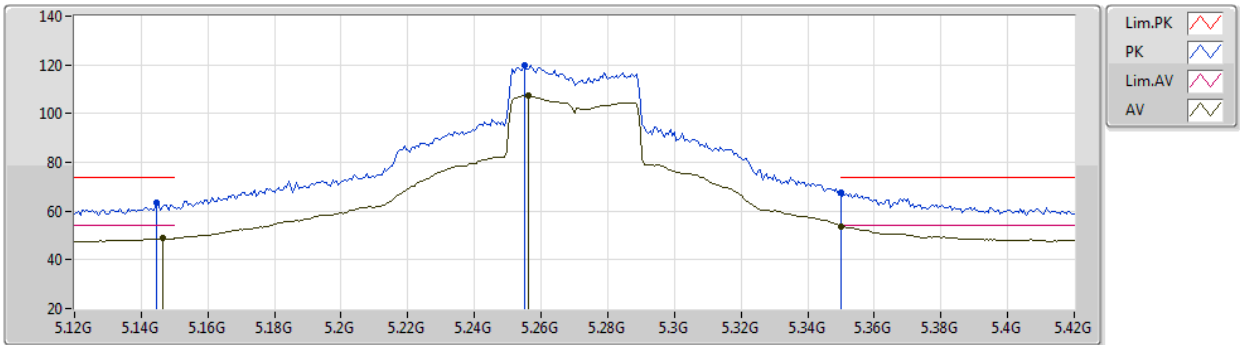
EUT Y\_4TX  
04-F-A-3

| 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   | 11.43888G    | 56.93             | 74.00             | -17.07         | 45.24         | 3           | Horizontal | 244            | 1.80          | -       | 39.18      | 7.24       | 34.73      |
| AV   | 11.44656G    | 43.53             | 54.00             | -10.47         | 31.85         | 3           | Horizontal | 244            | 1.80          | -       | 39.18      | 7.24       | 34.74      |
| PK   | 17.16528G    | 64.70             | 68.20             | -3.50          | 49.40         | 3           | Horizontal | 202            | 2.07          | -       | 40.95      | 9.87       | 35.52      |

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

25/12/2019

## 5270MHz\_TX



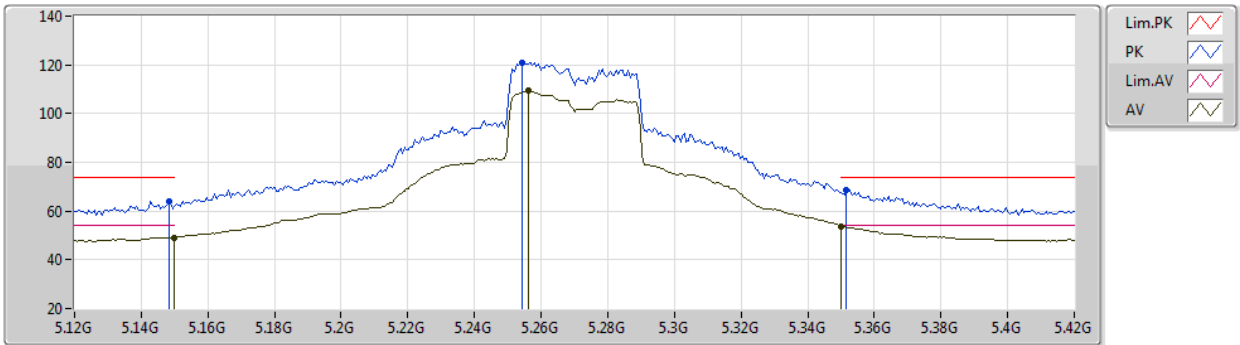
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.1446G      | 63.28             | 74.00             | -10.72         | 57.41         | 3           | Vertical  | 303            | 1.19          | -       | 34.04      | 6.60       | 34.77      |
| AV   | 5.1464G      | 48.74             | 54.00             | -5.26          | 42.86         | 3           | Vertical  | 303            | 1.19          | -       | 34.05      | 6.60       | 34.77      |
| PK   | 5.255G       | 119.93            | Inf               | -Inf           | 113.90        | 3           | Vertical  | 303            | 1.19          | -       | 34.21      | 6.67       | 34.85      |
| AV   | 5.2562G      | 107.40            | Inf               | -Inf           | 101.37        | 3           | Vertical  | 303            | 1.19          | -       | 34.21      | 6.67       | 34.85      |
| PK   | 5.35G        | 67.54             | 74.00             | -6.46          | 61.49         | 3           | Vertical  | 303            | 1.19          | -       | 34.35      | 6.62       | 34.92      |
| AV   | 5.35G        | 53.76             | 54.00             | -0.24          | 47.71         | 3           | Vertical  | 303            | 1.19          | -       | 34.35      | 6.62       | 34.92      |

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

25/12/2019

## 5270MHz\_TX

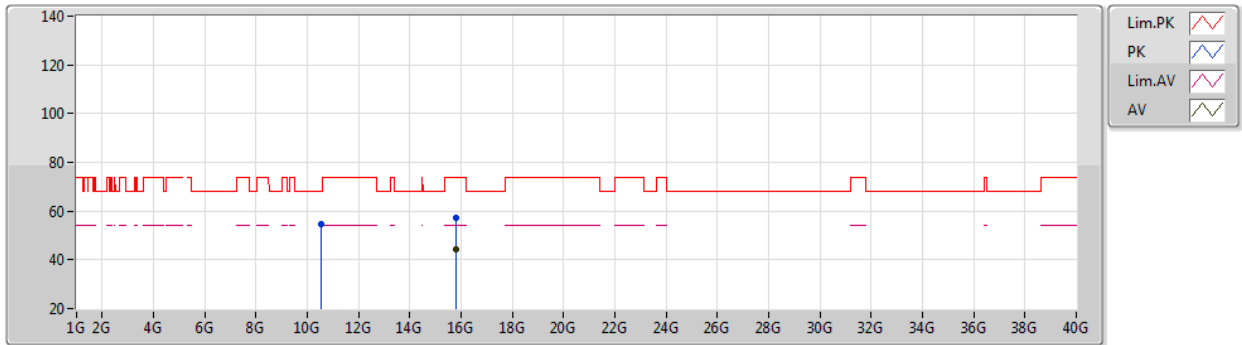

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.1482G      | 64.15             | 74.00             | -9.85          | 58.26         | 3           | Horizontal | 168            | 2.91          | -       | 34.05      | 6.61       | 34.77      |
| AV   | 5.15G        | 49.07             | 54.00             | -4.93          | 43.18         | 3           | Horizontal | 168            | 2.91          | -       | 34.05      | 6.61       | 34.77      |
| PK   | 5.2544G      | 121.07            | Inf               | -Inf           | 115.04        | 3           | Horizontal | 168            | 2.91          | -       | 34.21      | 6.67       | 34.85      |
| AV   | 5.2562G      | 109.33            | Inf               | -Inf           | 103.30        | 3           | Horizontal | 168            | 2.91          | -       | 34.21      | 6.67       | 34.85      |
| PK   | 5.3516G      | 68.50             | 74.00             | -5.50          | 62.45         | 3           | Horizontal | 168            | 2.91          | -       | 34.35      | 6.62       | 34.92      |
| AV   | 5.35G        | 53.84             | 54.00             | -0.16          | 47.79         | 3           | Horizontal | 168            | 2.91          | -       | 34.35      | 6.62       | 34.92      |

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

25/12/2019

## 5270MHz\_TX



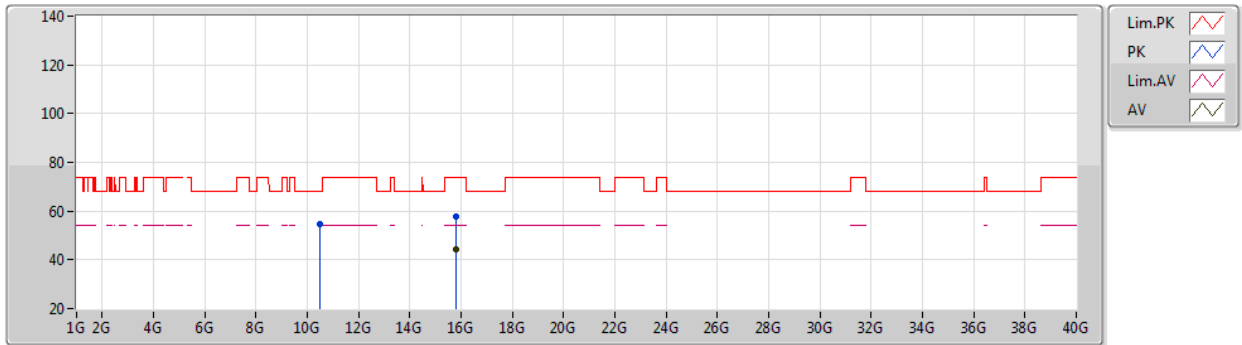
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5524G     | 54.59             | 68.20             | -13.61         | 41.60         | 3           | Vertical  | 268            | 1.28          | -       | 38.41      | 9.44       | 34.86      |
| PK   | 15.7945G     | 57.50             | 74.00             | -16.50         | 44.13         | 3           | Vertical  | 308            | 2.20          | -       | 38.12      | 10.33      | 35.08      |
| AV   | 15.8272G     | 44.28             | 54.00             | -9.72          | 31.05         | 3           | Vertical  | 308            | 2.20          | -       | 38.02      | 10.32      | 35.11      |

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

25/12/2019

## 5270MHz\_TX



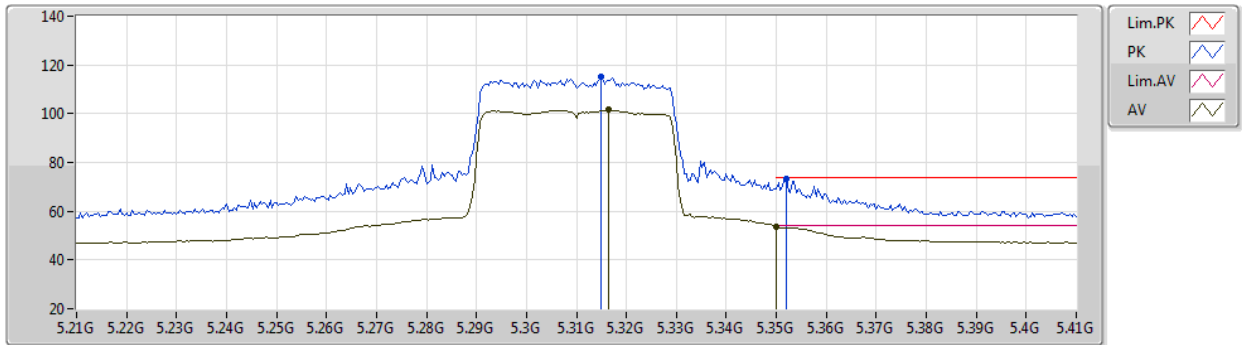
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5158G     | 54.63             | 68.20             | -13.57         | 41.69         | 3           | Horizontal | 259            | 1.54          | -       | 38.40      | 9.43       | 34.89      |
| PK   | 15.8065G     | 57.93             | 74.00             | -16.07         | 44.61         | 3           | Horizontal | 295            | 1.18          | -       | 38.08      | 10.33      | 35.09      |
| AV   | 15.8072G     | 44.41             | 54.00             | -9.59          | 31.09         | 3           | Horizontal | 295            | 1.18          | -       | 38.08      | 10.33      | 35.09      |

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

25/12/2019

## 5310MHz\_TX

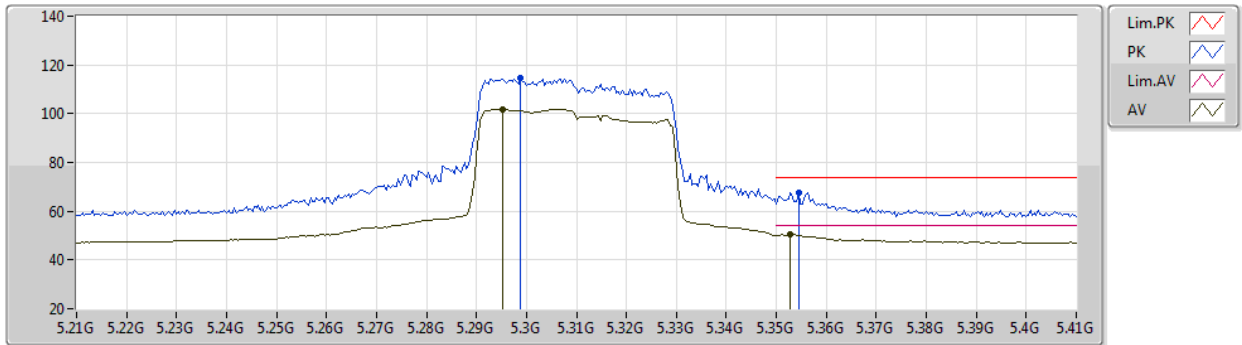

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.3148G      | 115.11            | Inf               | -Inf           | 109.05        | 3           | Vertical  | 196            | 1.69          | -       | 34.31      | 6.64       | 34.89      |
| AV   | 5.3164G      | 101.47            | Inf               | -Inf           | 95.40         | 3           | Vertical  | 196            | 1.69          | -       | 34.32      | 6.64       | 34.89      |
| PK   | 5.352G       | 73.14             | 74.00             | -0.86          | 67.09         | 3           | Vertical  | 196            | 1.69          | -       | 34.35      | 6.62       | 34.92      |
| AV   | 5.35G        | 53.80             | 54.00             | -0.20          | 47.75         | 3           | Vertical  | 196            | 1.69          | -       | 34.35      | 6.62       | 34.92      |

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

25/12/2019

## 5310MHz\_TX

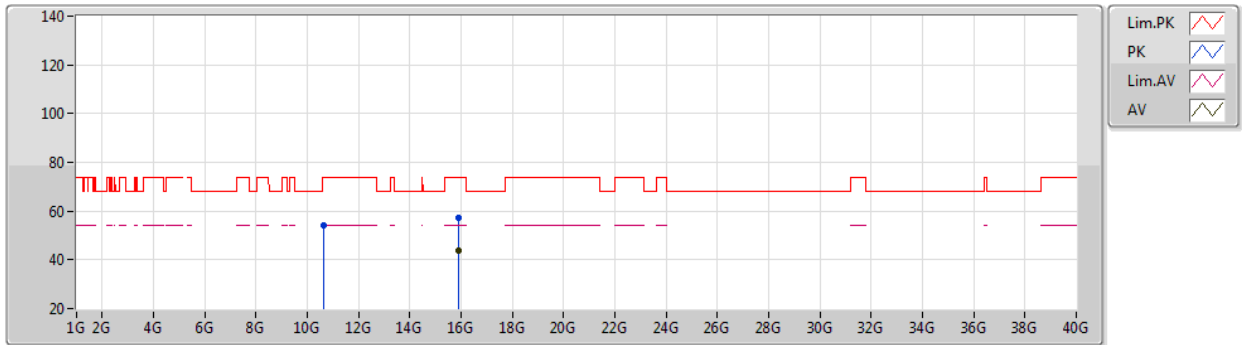

EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.2988G      | 114.91            | Inf               | -Inf           | 108.84        | 3           | Horizontal | 174            | 2.49          | -       | 34.30      | 6.65       | 34.88      |
| AV   | 5.2952G      | 101.77            | Inf               | -Inf           | 95.71         | 3           | Horizontal | 174            | 2.49          | -       | 34.29      | 6.65       | 34.88      |
| PK   | 5.3544G      | 67.73             | 74.00             | -6.27          | 61.68         | 3           | Horizontal | 174            | 2.49          | -       | 34.35      | 6.62       | 34.92      |
| AV   | 5.3528G      | 50.52             | 54.00             | -3.48          | 44.47         | 3           | Horizontal | 174            | 2.49          | -       | 34.35      | 6.62       | 34.92      |

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

25/12/2019

## 5310MHz\_TX



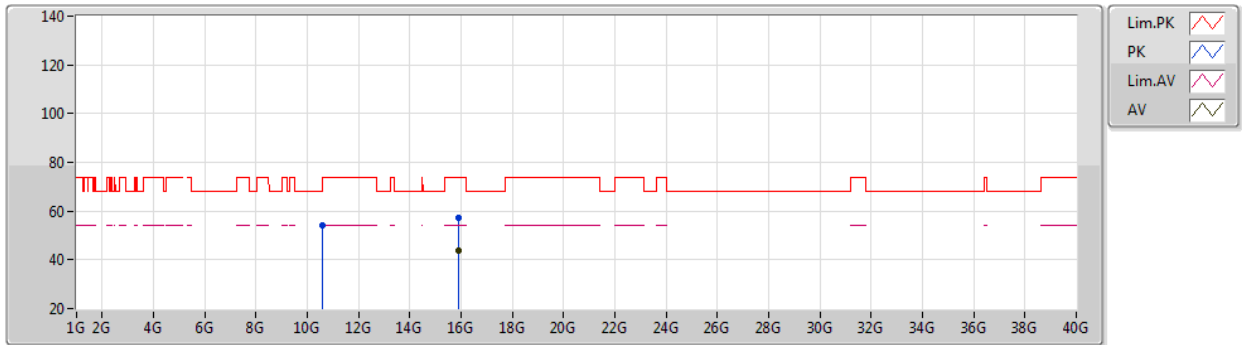
EUT Y\_4TX  
04-F-A-3

| 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   | 10.6174G     | 54.38             | 74.00             | -19.62         | 41.32         | 3           | Vertical  | 171            | 1.11          | -       | 38.42      | 9.46       | 34.82      |
| PK   | 15.9156G     | 57.06             | 74.00             | -16.94         | 44.21         | 3           | Vertical  | 41             | 1.73          | -       | 37.75      | 10.31      | 35.21      |
| AV   | 15.9055G     | 43.95             | 54.00             | -10.05         | 31.06         | 3           | Vertical  | 41             | 1.73          | -       | 37.78      | 10.31      | 35.20      |

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

25/12/2019

## 5310MHz\_TX



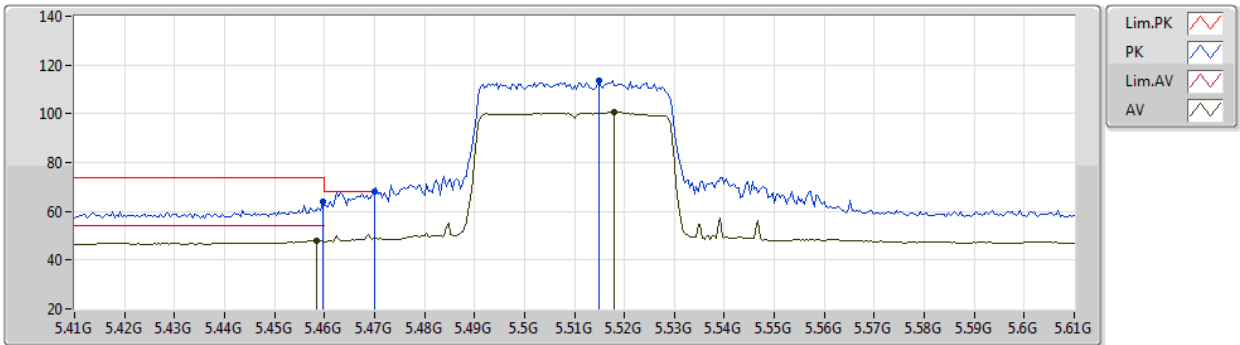
EUT Y\_4TX  
04-F-A-3

| 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   | 10.5984G     | 54.36             | 68.20             | -13.84         | 41.31         | 3           | Horizontal | 21             | 2.16          | -       | 38.42      | 9.46       | 34.83      |
| PK   | 15.9178G     | 57.20             | 74.00             | -16.80         | 44.35         | 3           | Horizontal | 44             | 1.55          | -       | 37.75      | 10.31      | 35.21      |
| AV   | 15.9113G     | 43.86             | 54.00             | -10.14         | 30.98         | 3           | Horizontal | 44             | 1.55          | -       | 37.77      | 10.31      | 35.20      |

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

25/12/2019

## 5510MHz\_TX



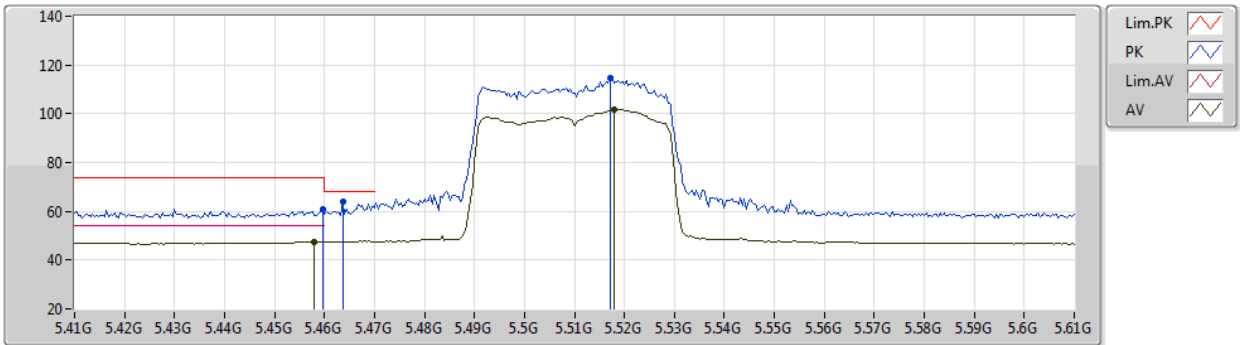
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4596G      | 63.92             | 74.00             | -10.08         | 57.75         | 3           | Vertical  | 203            | 1.61          | -       | 34.46      | 6.70       | 34.99      |
| AV   | 5.4584G      | 48.07             | 54.00             | -5.93          | 41.91         | 3           | Vertical  | 203            | 1.61          | -       | 34.46      | 6.69       | 34.99      |
| PK   | 5.47G        | 68.06             | 68.20             | -0.14          | 61.87         | 3           | Vertical  | 203            | 1.61          | -       | 34.47      | 6.71       | 34.99      |
| PK   | 5.5148G      | 113.71            | Inf               | -Inf           | 107.45        | 3           | Vertical  | 203            | 1.61          | -       | 34.49      | 6.78       | 35.01      |
| AV   | 5.518G       | 100.60            | Inf               | -Inf           | 94.33         | 3           | Vertical  | 203            | 1.61          | -       | 34.48      | 6.79       | 35.00      |

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

25/12/2019

## 5510MHz\_TX



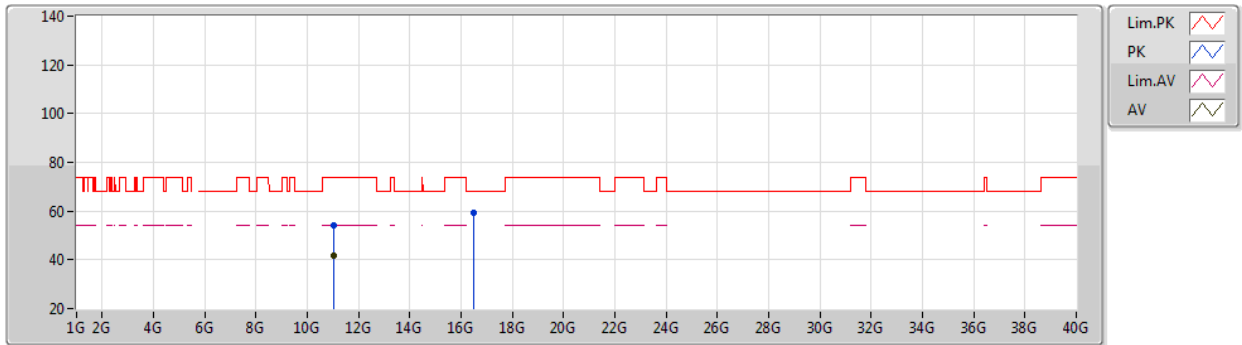
EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.4596G      | 60.98             | 74.00             | -13.02         | 54.81         | 3           | Horizontal | 129            | 1.80          | -       | 34.46      | 6.70       | 34.99      |  |
| AV   | 5.458G       | 47.64             | 54.00             | -6.36          | 41.47         | 3           | Horizontal | 129            | 1.80          | -       | 34.46      | 6.69       | 34.98      |  |
| PK   | 5.4636G      | 64.22             | 68.20             | -3.98          | 58.05         | 3           | Horizontal | 129            | 1.80          | -       | 34.46      | 6.70       | 34.99      |  |
| PK   | 5.5172G      | 114.71            | Inf               | -Inf           | 108.45        | 3           | Horizontal | 129            | 1.80          | -       | 34.48      | 6.78       | 35.00      |  |
| AV   | 5.518G       | 101.95            | Inf               | -Inf           | 95.68         | 3           | Horizontal | 129            | 1.80          | -       | 34.48      | 6.79       | 35.00      |  |

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

25/12/2019

## 5510MHz\_TX



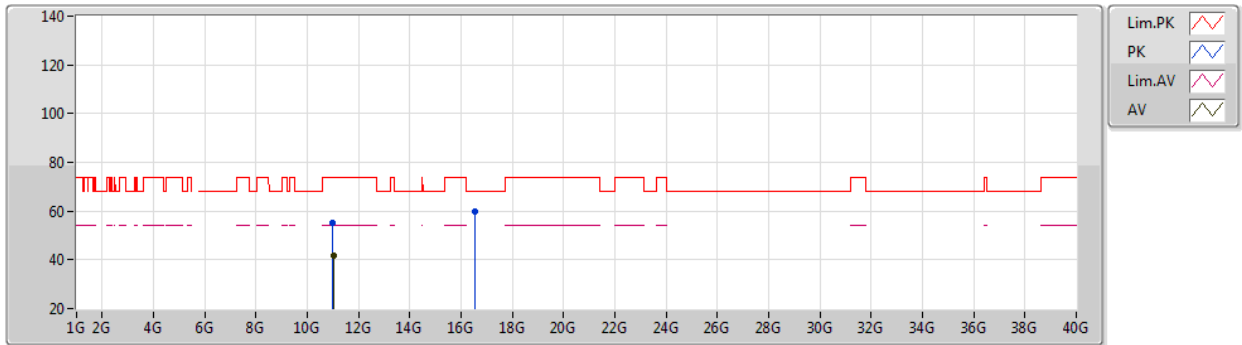
EUT Y\_4TX  
04-F-A-3

| 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   | 11.0199G     | 54.13             | 74.00             | -19.87         | 40.65         | 3           | Vertical  | 129            | 2.39          | -       | 38.51      | 9.56       | 34.59      |
| AV   | 11.0447G     | 41.61             | 54.00             | -12.39         | 28.11         | 3           | Vertical  | 129            | 2.39          | -       | 38.53      | 9.57       | 34.60      |
| PK   | 16.5132G     | 59.49             | 68.20             | -8.71          | 44.88         | 3           | Vertical  | 353            | 2.33          | -       | 38.73      | 10.82      | 34.94      |

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

25/12/2019

## 5510MHz\_TX

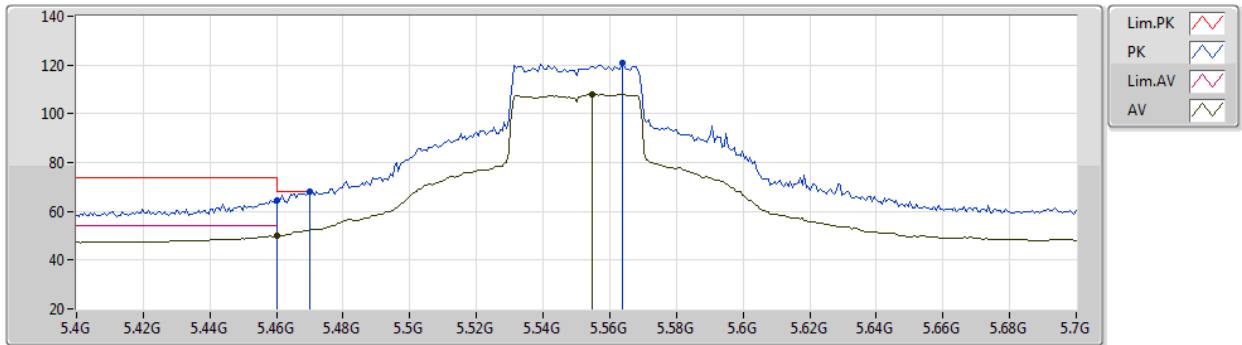

EUT Y\_4TX  
04-F-A-3

| 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   | 10.9971G     | 55.13             | 74.00             | -18.87         | 41.66         | 3           | Horizontal | 260            | 2.99          | -       | 38.50      | 9.56       | 34.59      |
| AV   | 11.0399G     | 41.48             | 54.00             | -12.52         | 27.98         | 3           | Horizontal | 260            | 2.99          | -       | 38.53      | 9.57       | 34.60      |
| PK   | 16.5298G     | 59.64             | 68.20             | -8.56          | 44.95         | 3           | Horizontal | 149            | 1.11          | -       | 38.77      | 10.84      | 34.92      |

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

25/12/2019

## 5550MHz\_TX


EUT Y\_4TX  
04-F-A-3-10

| 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   | 5.46G        | 64.45             | 74.00             | -9.55          | 58.28         | 3           | Vertical  | 193            | 1.50          | -       | 34.46      | 6.70       | 34.99      |
| AV   | 5.46G        | 49.96             | 54.00             | -4.04          | 43.79         | 3           | Vertical  | 193            | 1.50          | -       | 34.46      | 6.70       | 34.99      |
| PK   | 5.47G        | 68.00             | 68.20             | -0.20          | 61.81         | 3           | Vertical  | 193            | 1.50          | -       | 34.47      | 6.71       | 34.99      |
| PK   | 5.5638G      | 120.63            | Inf               | -Inf           | 114.33        | 3           | Vertical  | 193            | 1.50          | -       | 34.44      | 6.85       | 34.99      |
| AV   | 5.5548G      | 107.89            | Inf               | -Inf           | 101.59        | 3           | Vertical  | 193            | 1.50          | -       | 34.45      | 6.84       | 34.99      |