



# FCC Test Report

**FCC ID** : H8NRAX1V1K  
**Equipment** : 11ax DBDC Router  
**Brand Name** : Charter  
**Model Name** : RAX1V1K  
**Applicant / Manufacturer** : ASKEY COMPUTER CORPORATION  
10F, No. 119, Jiankang Road, Zhonghe Dist., New Taipei City, Taiwan  
**Standard** : 47 CFR FCC Part 15.407

This report was evaluated for permissive change. The product was received on May 09, 2018, and testing was started from Aug. 30, 2018 and completed on Aug. 31, 2018. 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 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: Allen Lin

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

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



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## History of this test report

TEL : 886-3-3273456  
FAX : 886-3-3270973  
Report Template No.: HE1-D1 Ver2.0  
FCC ID: H8NRAX1V1K



## 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               | -      |
| 3.2           | 15.407(a)        | Maximum Conducted Output Power | PASS               | -      |
| 3.3           | 15.407(a)        | Peak Power Spectral Density    | PASS               | -      |
| 3.4           | 15.407(b)        | Unwanted Emissions             | PASS               | -      |

**Reviewed by: Sam Tsai**

**Report Producer: Debby Hung**

# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11                      | Ch. Frequency (MHz) | Channel Number |
|-----------------------|---------------------------------------|---------------------|----------------|
| 5150-5250             | a, n (HT20), ac (VHT20)<br>ax (HEW20) | 5180-5240           | 36-48 [4]      |
| 5725-5850             |                                       | 5745-5825           | 149-165 [5]    |
| 5150-5250             | n (HT40), ac (VHT40)<br>ax (HEW40)    | 5190-5230           | 38-46 [2]      |
| 5725-5850             |                                       | 5755-5795           | 151-159 [2]    |
| 5150-5250             | ac (VHT80)<br>ax (HEW80)              | 5210                | 42 [1]         |
| 5725-5850             |                                       | 5775                | 155 [1]        |

#### <Non-Beamforming>

| Band          | Mode           | BWch (MHz) | Nant |
|---------------|----------------|------------|------|
| 5.15-5.25GHz  | 802.11a        | 20         | 4TX  |
| 5.725-5.85GHz | 802.11a        | 20         | 4TX  |
| 5.15-5.25GHz  | 802.11ac VHT20 | 20         | 4TX  |
| 5.725-5.85GHz | 802.11ac VHT20 | 20         | 4TX  |
| 5.15-5.25GHz  | 802.11ac VHT40 | 40         | 4TX  |
| 5.725-5.85GHz | 802.11ac VHT40 | 40         | 4TX  |
| 5.15-5.25GHz  | 802.11ac VHT80 | 80         | 4TX  |
| 5.725-5.85GHz | 802.11ac VHT80 | 80         | 4TX  |
| 5.15-5.25GHz  | 802.11ax HEW20 | 20         | 4TX  |
| 5.725-5.85GHz | 802.11ax HEW20 | 20         | 4TX  |
| 5.15-5.25GHz  | 802.11ax HEW40 | 40         | 4TX  |
| 5.725-5.85GHz | 802.11ax HEW40 | 40         | 4TX  |
| 5.15-5.25GHz  | 802.11ax HEW80 | 80         | 4TX  |
| 5.725-5.85GHz | 802.11ax HEW80 | 80         | 4TX  |

**<Beamforming>**

| Band          | Mode              | BWch (MHz) | Nant |
|---------------|-------------------|------------|------|
| 5.15-5.25GHz  | 802.11ac VHT20-BF | 20         | 4TX  |
| 5.725-5.85GHz | 802.11ac VHT20-BF | 20         | 4TX  |
| 5.15-5.25GHz  | 802.11ac VHT40-BF | 40         | 4TX  |
| 5.725-5.85GHz | 802.11ac VHT40-BF | 40         | 4TX  |
| 5.15-5.25GHz  | 802.11ac VHT80-BF | 80         | 4TX  |
| 5.725-5.85GHz | 802.11ac VHT80-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 modulation.
- ♦ HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

**1.1.2 Antenna Information**

| Ant. | Port | Brand   | Model Name | Antenna Type | Connector |
|------|------|---------|------------|--------------|-----------|
| 1    | 1    | Airgain | RT5000W    | PCB antenna  | I-PEX     |
| 2    | 2    | Airgain | RT5000W    | PCB antenna  | I-PEX     |
| 3    | 3    | Airgain | RT5000W    | PCB antenna  | I-PEX     |
| 4    | 4    | Airgain | RT5000W    | PCB antenna  | I-PEX     |

| Ant. | Gain (dBi) |         |         |
|------|------------|---------|---------|
|      | 2.4G       | U-NII-I | U-NII-3 |
| 1    | 1.9        | 1.1     | 2.1     |
| 2    | 1.9        | 1.1     | 2.1     |
| 3    | 1.9        | 1.1     | 2.1     |
| 4    | 1.9        | 1.1     | 2.1     |

Note 1: The EUT has four antennas.

**For 2.4GHz function:**

For IEEE 802.11 b/g/n/ac/ax mode (4TX/4RX)

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

**For 5GHz function:**

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

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

For IEEE 802.11 n mode (2TX/2RX)

### 1.1.3 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR850858AN  
Below is the table for the change of the product with respect to the original one.

| Modifications                                                                            | Performance Checking                                                                                                  |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Software changes for the purpose of adjust channel power(within the grant authorization) | Emission Bandwidth, Maximum Conducted Output Power, Peak Power Spectral Density and Unwanted Emissions were evaluated |

### 1.1.4 EUT Information

| Operational Condition               |                                                                               |                                              |  |
|-------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------|--|
| EUT Power Type                      | From AC Adapter                                                               |                                              |  |
| EUT Function                        | <input type="checkbox"/> Outdoor                                              | <input checked="" type="checkbox"/> Indoor   |  |
|                                     | <input type="checkbox"/> Fixed P2P                                            | <input type="checkbox"/> Client              |  |
| Beamforming Function                | <input checked="" type="checkbox"/> With beamforming                          | <input type="checkbox"/> Without beamforming |  |
| Type of EUT                         |                                                                               |                                              |  |
| <input checked="" type="checkbox"/> | Stand-alone                                                                   |                                              |  |
| <input type="checkbox"/>            | Combined (EUT where the radio part is fully integrated within another device) |                                              |  |
|                                     | Combined Equipment - Brand Name / Model No.:                                  | ...                                          |  |
| <input type="checkbox"/>            | Plug-in radio (EUT intended for a variety of host systems)                    |                                              |  |
|                                     | Host System - Brand Name / Model No.:                                         | ...                                          |  |
| <input type="checkbox"/>            | Other:                                                                        |                                              |  |

### 1.1.5 Mode Test Duty Cycle

#### <Non-Beamforming>

| Mode           | DC    | DCF(dB) | T(s)   | VBW(Hz) ≥ 1/T |
|----------------|-------|---------|--------|---------------|
| 802.11a        | 0.95  | 0.223   | 2.098m | 1k            |
| 802.11ac VHT20 | 0.958 | 0.186   | 5.43m  | 300           |
| 802.11ac VHT40 | 0.957 | 0.191   | 5.422m | 300           |
| 802.11ac VHT80 | 0.952 | 0.214   | 5.414m | 300           |
| 802.11ax HEW20 | 0.96  | 0.177   | 5.439m | 300           |
| 802.11ax HEW40 | 0.956 | 0.195   | 5.439m | 300           |
| 802.11ax HEW80 | 0.954 | 0.205   | 5.431m | 300           |

#### < Beamforming>

| Mode              | DC    | DCF(dB) | T(s)   | VBW(Hz) ≥ 1/T |
|-------------------|-------|---------|--------|---------------|
| 802.11ac VHT20-BF | 0.932 | 0.306   | 1.77m  | 1k            |
| 802.11ac VHT40-BF | 0.923 | 0.348   | 1.713m | 1k            |
| 802.11ac VHT80-BF | 0.928 | 0.325   | 1.963m | 1k            |

## 1.2 Testing Applied Standards

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

- ◆ 47 CFR FCC Part 15
- ◆ ANSI C63.10-2013
- ◆ KDB 789033 D02 v02r01
- ◆ KDB 662911 D01 v02r01

## 1.3 Testing Location Information

| Testing Location                           |        |                                                                              |                      |
|--------------------------------------------|--------|------------------------------------------------------------------------------|----------------------|
| <input checked="" 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 |
| Test site Designation No. TW1190 with FCC. |        |                                                                              |                      |
| <input type="checkbox"/>                   | JHUBEI | ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.) |                      |
|                                            |        | TEL : 886-3-656-9065                                                         | FAX : 886-3-656-9085 |
| Test site Designation No. TW0006 with FCC. |        |                                                                              |                      |

| Test Condition | Test Site No. | Test Engineer | Test Environment | Test Date   |
|----------------|---------------|---------------|------------------|-------------|
| RF Conducted   | TH01-HY       | Randy         | 23.3°C / 62%     | 20/Aug/2018 |
| Radiated       | 03CH09-HY     | Andy          | 22.8°C / 57%     | 31/Aug/2018 |

## 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 (9kHz ~ 30MHz)     | 3.0 dB      | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 4.3 dB      | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz)     | 3.9 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)    | 3.5 dB      | Confidence levels of 95% |
| Conducted Emission                   | 1.3 dB      | Confidence levels of 95% |
| Temperature                          | 0.7 °C      | Confidence levels of 95% |
| Humidity                             | 4 %         | Confidence levels of 95% |



## 2 Test Configuration of EUT

### 2.1 Test Condition

| Condition Item | Abbreviation/Remark | Remark |
|----------------|---------------------|--------|
| RF Conducted   | Abbreviation        | Remark |
| TnomVnom       | Tnom                | 20°C   |
| -              | Vnom                | 120V   |

### 2.2 Test Channel Mode

<Non-Beamforming>

|                       |                        |
|-----------------------|------------------------|
| Test Software Version | QSPR Version 5.0-00148 |
|-----------------------|------------------------|

| Mode                           | PowerSetting |
|--------------------------------|--------------|
| 802.11a_Nss1,(6Mbps)_4TX       | -            |
| 5180MHz                        | 22           |
| 5200MHz                        | 21.5         |
| 5240MHz                        | 21.5         |
| 5745MHz                        | 24.5         |
| 5785MHz                        | 25           |
| 5825MHz                        | 26           |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | -            |
| 5180MHz                        | 22           |
| 5200MHz                        | 22.5         |
| 5240MHz                        | 21.5         |
| 5745MHz                        | 25           |
| 5785MHz                        | 25           |
| 5825MHz                        | 26           |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | -            |
| 5190MHz                        | 17.5         |
| 5230MHz                        | 21           |
| 5755MHz                        | 24           |
| 5795MHz                        | 24.5         |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | -            |
| 5210MHz                        | 20.5         |
| 5775MHz                        | 25           |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -            |

| Mode                           | PowerSetting |
|--------------------------------|--------------|
| 5180MHz                        | 23           |
| 5200MHz                        | 22.5         |
| 5240MHz                        | 22.5         |
| 5745MHz                        | 25.5         |
| 5785MHz                        | 25           |
| 5825MHz                        | 26           |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -            |
| 5190MHz                        | 19           |
| 5230MHz                        | 24.5         |
| 5755MHz                        | 24.5         |
| 5795MHz                        | 25           |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -            |
| 5210MHz                        | 19.5         |
| 5775MHz                        | 25           |

**< Beamforming>**

| Test Software | DoS |
|---------------|-----|
|---------------|-----|

| Mode                              | PowerSetting |
|-----------------------------------|--------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | -            |
| 5180MHz                           | 27           |
| 5200MHz                           | 27           |
| 5240MHz                           | 27           |
| 5745MHz                           | 27           |
| 5785MHz                           | 27           |
| 5825MHz                           | 27           |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | -            |
| 5190MHz                           | 27           |
| 5230MHz                           | 27           |
| 5755MHz                           | 27           |
| 5795MHz                           | 27           |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | -            |
| 5210MHz                           | 27           |
| 5775MHz                           | 27           |

## 2.3 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 &lt; 1GHz</b>                     | CTX                                                                                                                                                                                                                                                 |
| 1                                                   | Adapter mode                                                                                                                                                                                                                                        |
| <b>Operating Mode &gt; 1GHz</b>                     | CTX                                                                                                                                                                                                                                                 |
| <b>Orthogonal Planes of EUT</b>                     | <b>Y Plane</b>                                                                                                                                                                                                                                      |
|                                                     |                                                                                                                                                                 |
| <b>Worst Planes of EUT</b>                          | V                                                                                                                                                                                                                                                   |

| The Worst Case Mode for Following Conformance Tests                                   |                                    |
|---------------------------------------------------------------------------------------|------------------------------------|
| <b>Tests Item</b>                                                                     | Simultaneous Transmission Analysis |
| <b>Operating Mode</b>                                                                 | CTX                                |
| 1                                                                                     | WLAN 2.4GHz+WLAN 5GHz              |
| Refer to Sporton Test Report No.: FA850858-02 for Co-location RF Exposure Evaluation. |                                    |

## 2.4 Accessories and Support Equipment

| Accessories Information |              |                                                 |            |                 |
|-------------------------|--------------|-------------------------------------------------|------------|-----------------|
| AC Adapter<br>(US Plug) | Brand Name   | SUNNY                                           | Model Name | SYS1564-3012-W2 |
|                         | Power Rating | I/P: 100 - 240Vac, 1.0 A, O/P: 12 Vdc, 2.5 A    |            |                 |
|                         | Power Cord   | 1.5 meter, Non-Shielded cable, w/o ferrite core |            |                 |
| RJ45                    | Power Cord   | 1.8 meter, Non-Shielded cable, w/o ferrite core |            |                 |

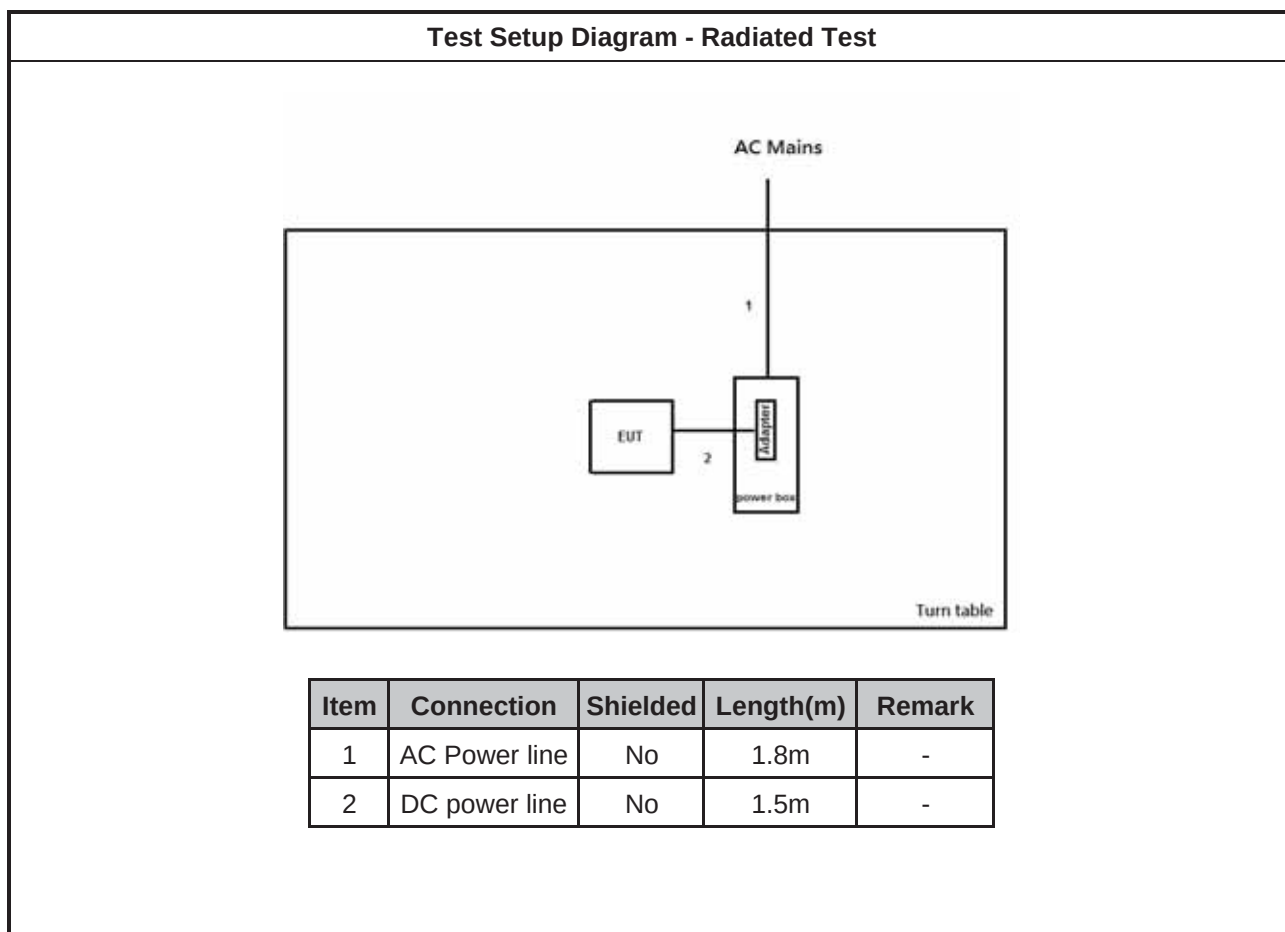
Reminder: Regarding to more detail and other information, please refer to user manual.

| Support Equipment – RF Conducted |                |            |            |              |
|----------------------------------|----------------|------------|------------|--------------|
| No.                              | Equipment      | Brand Name | Model Name | FCC ID       |
| 1                                | Notebook       | DELL       | E5410      | R33002 / DOC |
| 2                                | Adapter for NB | DELL       | HA65NM130  | R35737 / DOC |

| Support Equipment – Radiated Emission |                  |            |            |        |
|---------------------------------------|------------------|------------|------------|--------|
| No.                                   | Equipment        | Brand Name | Model Name | FCC ID |
| 1                                     | Client(remote)   | -          | -          | -      |
| 2                                     | Notebook(remote) | DELL       | E5530      | -      |
| 3                                     | Notebook(remote) | DELL       | E5532      | -      |

Note.Support equipment No.1 was provided by customer.

## 2.5 Test Setup Diagram



### 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 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 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.                                                                                                         |

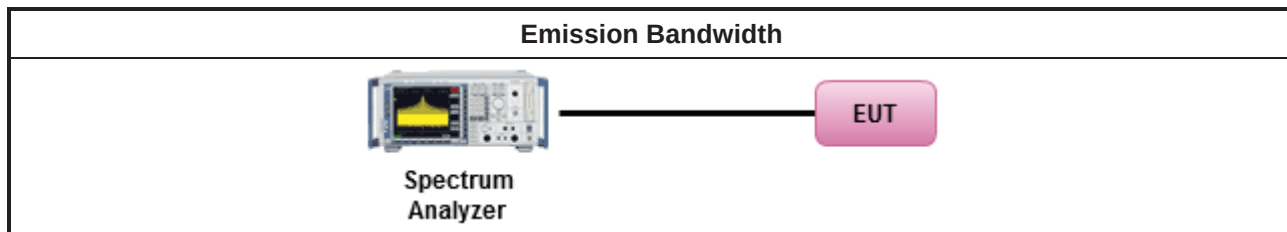
##### 3.1.2 Measuring Instruments

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 KDB 789033, clause C for EBW and clause D for OBW measurement. |
| <input type="checkbox"/>                                                                                                       | Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.      |
| <input type="checkbox"/>                                                                                                       | Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.                  |

##### 3.1.4 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 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 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| $P_{Out}$ = maximum conducted output power in dBm,<br>$G_{TX}$ = the maximum transmitting antenna directional gain in dBi. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

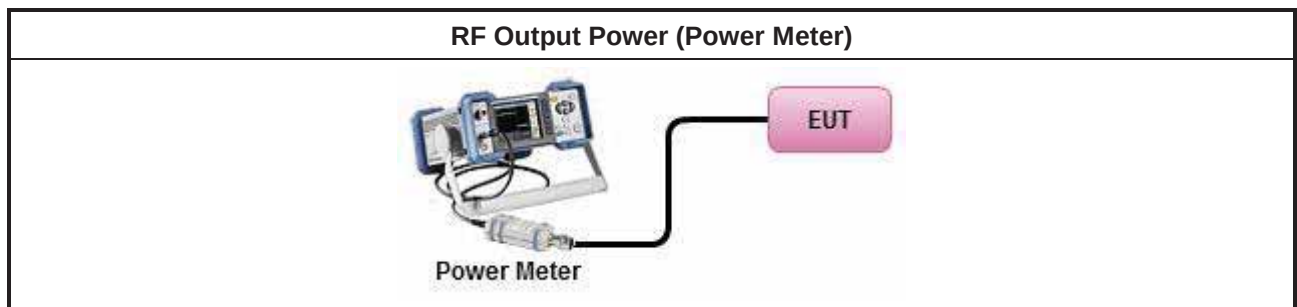
### 3.2.2 Measuring Instruments

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

### 3.2.4 Test Setup



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

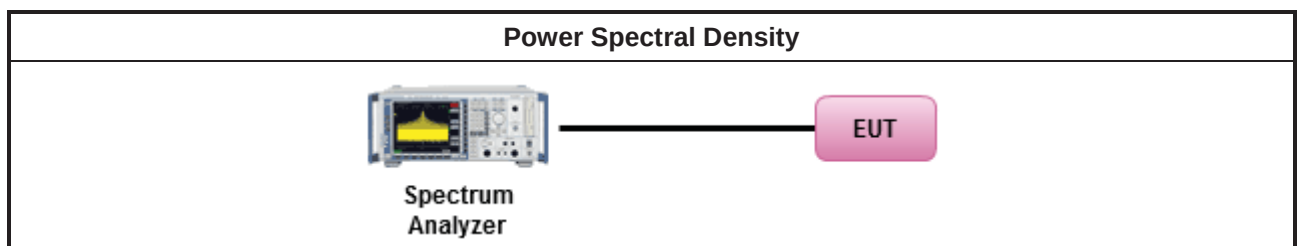
#### 3.3.2 Measuring Instruments

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 KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Duty cycle ≥ 98% |
| <input type="checkbox"/> Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Duty cycle < 98% |
| <input checked="" type="checkbox"/> Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |
| <ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |
| <ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below:</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |
| <ul style="list-style-type: none"> <li>Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.</li> </ul> |                  |
| <ul style="list-style-type: none"> <li>If multiple transmit chains, EIRP PPSD calculation could be following as methods:<br/> <math>PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n</math><br/>           (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math>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 Radiated Unwanted Emissions Limit

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

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

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

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

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

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

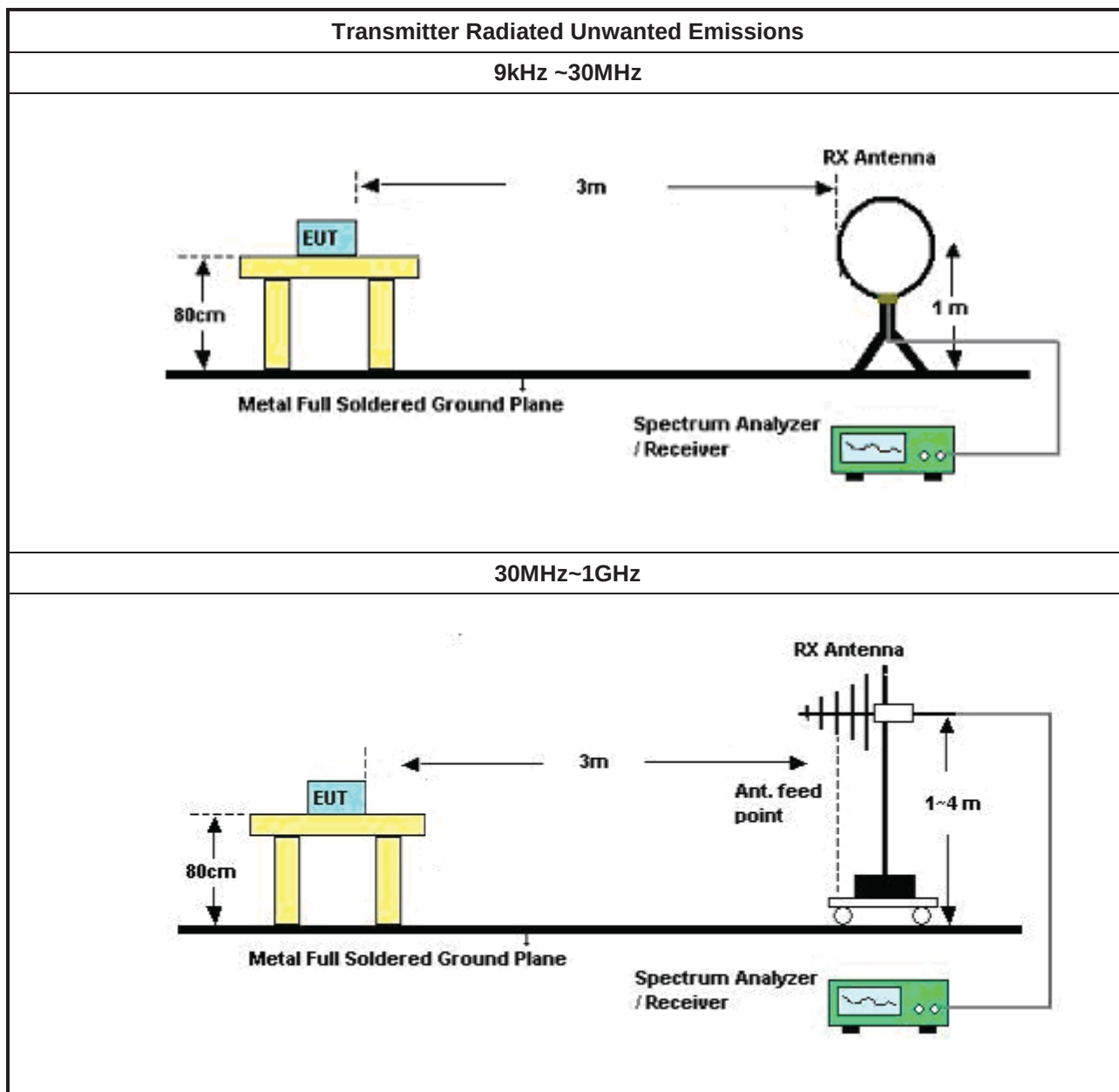
### 3.4.2 Measuring Instruments

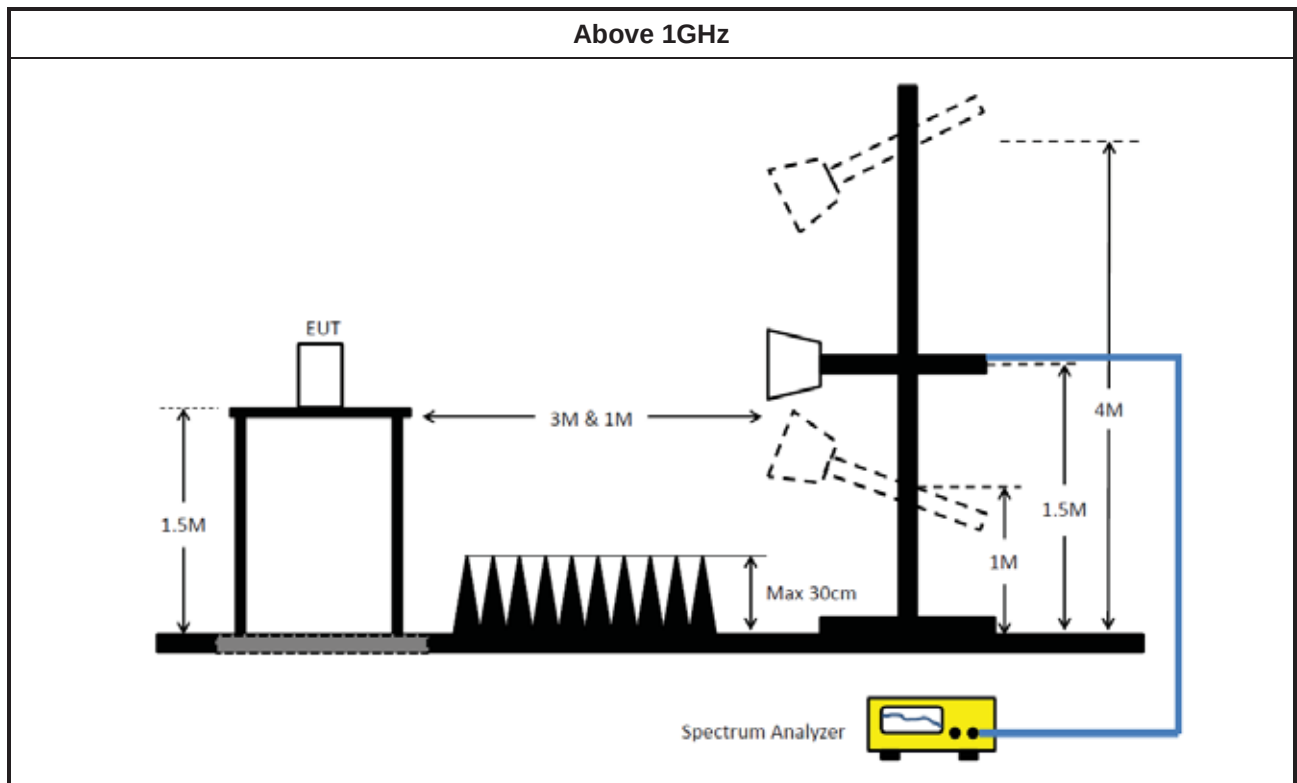
Refer a test equipment and calibration data table in this test report.

### 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>Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.</li> </ul>               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.</li> </ul>                   |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.                                                                  |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.                                                |
| <ul style="list-style-type: none"> <li>For radiated measurement.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.</li> </ul>    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.</li> </ul> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> </ul>                              |
| <ul style="list-style-type: none"> <li>The any unwanted emissions level shall not exceed the fundamental emission level.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                    |

### 3.4.4 Test Setup





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

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

### 3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

### 3.5 Test Equipment and Calibration Data

#### Instrument for Conducted Test

| Instrument       | Manufacturer | Model No.    | Serial No. | Spec.           | Calibration Date | Calibration Due Date |
|------------------|--------------|--------------|------------|-----------------|------------------|----------------------|
| Signal Analyzer  | R&S          | FSV40        | 101500     | 10Hz ~ 40GHz    | 18/Jul/2018      | 17/Jul/2019          |
| Power Sensor     | Anritsu      | MA2411B      | 1339407    | 300MHz ~ 40GHz  | 06/Nov/2017      | 05/Nov/2018          |
| Power Meter      | Anritsu      | ML2495A      | 1517010    | 300MHz ~ 40GHz  | 06/Nov/2017      | 05/Nov/2018          |
| RF Cable-0.2m    | HUBER+SUHNER | SUCOFLEX_104 | MY10710/4  | 30MHz ~ 26.5GHz | 25/Aug/2017      | 24/Aug/2018          |
| RF Cable-0.2m    | HUBER+SUHNER | SUCOFLEX_104 | MY10709/4  | 30MHz ~ 26.5GHz | 25/Aug/2017      | 24/Aug/2018          |
| RF Cable-1m      | HUBER+SUHNER | SUCOFLEX_104 | MY37332/4  | 30MHz ~ 26.5GHz | 26/Jan/2018      | 25/Jan/2019          |
| Signal Generator | R&S          | SMR40        | 100116     | 10MHz ~ 40GHz   | 26/Jul/2018      | 25/Jul/2019          |

#### Instrument for Radiated Test

| Instrument                       | Manufacturer | Model No.             | Serial No.           | Spec.          | Calibration Date | Calibration Due Date |
|----------------------------------|--------------|-----------------------|----------------------|----------------|------------------|----------------------|
| 3m Semi Anechoic Chamber         | TDK          | SAC-3M                | 03CH09-HY            | 30MHz ~ 1GHz   | 23/Apr/2018      | 22/Apr/2019          |
| 3m Semi Anechoic Chamber         | TDK          | SAC-3M                | 03CH09-HY            | 1GHz ~ 18GHz   | 14/Jun/2018      | 13/Jun/2019          |
| Microwave Preamplifier           | Agilent      | 8449B                 | 3008A02096           | 1GHz ~ 26.5GHz | 10/May/2018      | 09/May/2019          |
| Amplifier                        | EMC          | EMC9135               | 980232               | 9KHz~1GHz      | 27/Apr/2018      | 26/Apr/2019          |
| EXA Signal Analyzer              | KEYSIGHT     | N9010A                | MY54200885           | 10Hz ~ 44GHz   | 31/Jul/2018      | 30/Jul/2019          |
| Bilog Antenna & 5dB Attenuator   | TESEQ & MTJ  | CBL6111D & MTJ6102-05 | 35418 / 3            | 30MHz~1GHz     | 09/Sep/2017      | 08/Sep/2018          |
| Double Ridged Guide Horn Antenna | SCHWARZBECK  | BBHA 9120 D           | BBHA9120 D 1534      | 1GHz~18GHz     | 30/Apr/2018      | 29/Apr/2019          |
| Broadband Horn Antenna           | SCHWARZBECK  | BBHA 9170             | BBHA9170614          | 18GHz~40GHz    | 09/Feb/2018      | 08/Feb/2019          |
| Preamplifier                     | MITEQ        | TTA1840-35-HG         | 1864481              | 18GHz ~ 40GHz  | 24/Aug/2018      | 23/Aug/2019          |
| Loop Antenna                     | TESEQ        | HLA 6120              | 31244                | 9k-30MHz       | 29/Mar/2018      | 28/Mar/2019          |
| RF Cable-R03m                    | Jye Bao      | RG142                 | CB031                | 9kHz ~ 1GHz    | 1/Feb/2018       | 31/Jan/2019          |
| RF Cable-high                    | HUBER+SUHNER | SUCOFLEX104           | SN 556626/4 + 556627 | 1GHz ~ 40GHz   | 14/Mar/2018      | 13/Mar/2019          |

**Summary**

| Mode                           | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|--------------------------------|------------------|-----------------|----------|------------------|-----------------|
| 5.15-5.25GHz                   | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_4TX       | 22.825M          | 16.592M         | 16M6D1D  | 20.9M            | 16.492M         |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 20.8M            | 17.616M         | 17M6D1D  | 19.95M           | 17.591M         |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 40.6M            | 36.132M         | 36M1D1D  | 40M              | 36.032M         |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 82.4M            | 75.562M         | 75M6D1D  | 81.9M            | 75.462M         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 21.275M          | 18.941M         | 18M9D1D  | 20.975M          | 18.891M         |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 41.35M           | 37.831M         | 37M8D1D  | 40.95M           | 37.631M         |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 82.6M            | 77.261M         | 77M3D1D  | 81.9M            | 76.862M         |
| 5.725-5.85GHz                  | -                | -               | -        | -                | -               |
| 802.11a_Nss1,(6Mbps)_4TX       | 16.375M          | 16.942M         | 16M9D1D  | 14.4M            | 16.417M         |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 17.65M           | 17.766M         | 17M8D1D  | 13.15M           | 17.591M         |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 36.4M            | 36.332M         | 36M3D1D  | 33.5M            | 36.082M         |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 76.3M            | 75.962M         | 76M0D1D  | 48.5M            | 75.462M         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 18.975M          | 19.065M         | 19M1D1D  | 15.375M          | 18.841M         |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 38.1M            | 38.181M         | 38M2D1D  | 28.45M           | 37.731M         |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 77.7M            | 77.761M         | 77M8D1D  | 66.3M            | 77.061M         |

**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<br>dB<br>(Hz) | Port<br>1-OBW<br>(Hz) | Port 2-N<br>dB<br>(Hz) | Port<br>2-OBW<br>(Hz) | Port 3-N<br>dB<br>(Hz) | Port<br>3-OBW<br>(Hz) | Port 4-N<br>dB<br>(Hz) | Port<br>4-OBW<br>(Hz) |
|--------------------------------|--------|---------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|
| 802.11a_Nss1,(6Mbps)_4TX       | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 5180MHz_TnomVnom               | Pass   | Inf           | 22.425M                | 16.542M               | 22.825M                | 16.517M               | 21.7M                  | 16.492M               | 22.1M                  | 16.542M               |
| 5200MHz_TnomVnom               | Pass   | Inf           | 21.775M                | 16.567M               | 22.275M                | 16.517M               | 21.975M                | 16.592M               | 22.05M                 | 16.517M               |
| 5240MHz_TnomVnom               | Pass   | Inf           | 20.925M                | 16.492M               | 20.9M                  | 16.517M               | 21.1M                  | 16.567M               | 21M                    | 16.517M               |
| 5745MHz_TnomVnom               | Pass   | 500k          | 15.8M                  | 16.442M               | 16.325M                | 16.717M               | 14.4M                  | 16.417M               | 16.325M                | 16.642M               |
| 5785MHz_TnomVnom               | Pass   | 500k          | 15.9M                  | 16.467M               | 16.325M                | 16.617M               | 15.7M                  | 16.442M               | 16.3M                  | 16.767M               |
| 5825MHz_TnomVnom               | Pass   | 500k          | 16.375M                | 16.792M               | 16.3M                  | 16.792M               | 16.35M                 | 16.742M               | 16.325M                | 16.942M               |
| 802.11ac_VHT20_Nss1,(MCS0)_4TX | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 5180MHz_TnomVnom               | Pass   | Inf           | 20.8M                  | 17.591M               | 20.7M                  | 17.616M               | 19.95M                 | 17.616M               | 20.725M                | 17.591M               |
| 5200MHz_TnomVnom               | Pass   | Inf           | 20.425M                | 17.616M               | 20.375M                | 17.591M               | 20.675M                | 17.591M               | 20.4M                  | 17.616M               |
| 5240MHz_TnomVnom               | Pass   | Inf           | 20.425M                | 17.591M               | 20.7M                  | 17.591M               | 20.475M                | 17.591M               | 20.275M                | 17.591M               |
| 5745MHz_TnomVnom               | Pass   | 500k          | 15.9M                  | 17.591M               | 16.9M                  | 17.641M               | 17.65M                 | 17.741M               | 17.6M                  | 17.766M               |
| 5785MHz_TnomVnom               | Pass   | 500k          | 17.275M                | 17.666M               | 16.725M                | 17.616M               | 17.6M                  | 17.666M               | 13.15M                 | 17.591M               |
| 5825MHz_TnomVnom               | Pass   | 500k          | 15.05M                 | 17.616M               | 17.6M                  | 17.691M               | 17.55M                 | 17.716M               | 16.175M                | 17.616M               |
| 802.11ac_VHT40_Nss1,(MCS0)_4TX | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 5190MHz_TnomVnom               | Pass   | Inf           | 40.4M                  | 36.082M               | 40M                    | 36.032M               | 40.6M                  | 36.082M               | 40.45M                 | 36.032M               |
| 5230MHz_TnomVnom               | Pass   | Inf           | 40.25M                 | 36.082M               | 40.5M                  | 36.132M               | 40.5M                  | 36.032M               | 40.1M                  | 36.082M               |
| 5755MHz_TnomVnom               | Pass   | 500k          | 36.4M                  | 36.232M               | 35.1M                  | 36.132M               | 36.05M                 | 36.332M               | 33.7M                  | 36.132M               |
| 5795MHz_TnomVnom               | Pass   | 500k          | 36.3M                  | 36.232M               | 33.5M                  | 36.132M               | 35.3M                  | 36.282M               | 33.6M                  | 36.082M               |
| 802.11ac_VHT80_Nss1,(MCS0)_4TX | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 5210MHz_TnomVnom               | Pass   | Inf           | 82.4M                  | 75.462M               | 82.1M                  | 75.462M               | 81.9M                  | 75.562M               | 82.2M                  | 75.462M               |
| 5775MHz_TnomVnom               | Pass   | 500k          | 72.5M                  | 75.462M               | 75.3M                  | 75.862M               | 48.5M                  | 75.562M               | 76.3M                  | 75.962M               |
| 802.11ax_HEW20_Nss1,(MCS0)_4TX | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 5180MHz_TnomVnom               | Pass   | Inf           | 21.15M                 | 18.916M               | 21.15M                 | 18.916M               | 21.1M                  | 18.916M               | 21.15M                 | 18.941M               |
| 5200MHz_TnomVnom               | Pass   | Inf           | 20.975M                | 18.891M               | 21.025M                | 18.891M               | 21.05M                 | 18.916M               | 21.175M                | 18.891M               |
| 5240MHz_TnomVnom               | Pass   | Inf           | 21.125M                | 18.891M               | 21.05M                 | 18.891M               | 21.2M                  | 18.891M               | 21.275M                | 18.916M               |
| 5745MHz_TnomVnom               | Pass   | 500k          | 18.825M                | 18.916M               | 18.825M                | 19.04M                | 18.3M                  | 18.941M               | 16.875M                | 18.941M               |
| 5785MHz_TnomVnom               | Pass   | 500k          | 18.75M                 | 19.015M               | 18.875M                | 18.941M               | 17.625M                | 18.841M               | 18.975M                | 19.04M                |
| 5825MHz_TnomVnom               | Pass   | 500k          | 18.675M                | 19.065M               | 18.5M                  | 19.015M               | 15.375M                | 18.916M               | 16.875M                | 18.941M               |
| 802.11ax_HEW40_Nss1,(MCS0)_4TX | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 5190MHz_TnomVnom               | Pass   | Inf           | 41.3M                  | 37.631M               | 41.05M                 | 37.631M               | 40.95M                 | 37.781M               | 41M                    | 37.731M               |
| 5230MHz_TnomVnom               | Pass   | Inf           | 41M                    | 37.831M               | 41.15M                 | 37.681M               | 41.1M                  | 37.781M               | 41.35M                 | 37.781M               |
| 5755MHz_TnomVnom               | Pass   | 500k          | 38M                    | 38.031M               | 37M                    | 37.781M               | 31.75M                 | 37.781M               | 37.85M                 | 37.981M               |
| 5795MHz_TnomVnom               | Pass   | 500k          | 28.45M                 | 37.731M               | 38.1M                  | 38.181M               | 38.1M                  | 37.931M               | 37.6M                  | 37.781M               |
| 802.11ax_HEW80_Nss1,(MCS0)_4TX | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 5210MHz_TnomVnom               | Pass   | Inf           | 82M                    | 77.261M               | 82.6M                  | 77.061M               | 81.9M                  | 76.862M               | 82M                    | 77.161M               |
| 5775MHz_TnomVnom               | Pass   | 500k          | 77M                    | 77.361M               | 77.1M                  | 77.261M               | 66.3M                  | 77.061M               | 77.7M                  | 77.761M               |

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

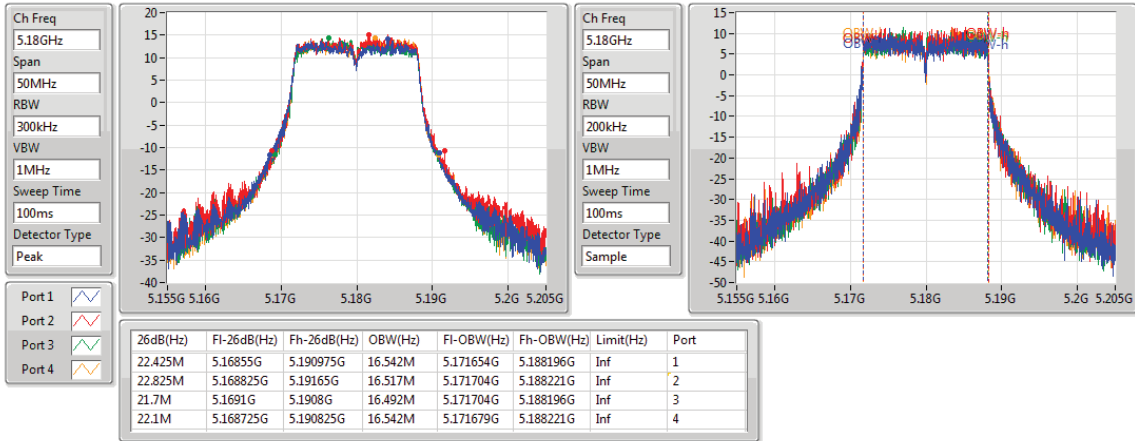
**Port X-OBW** = Port X 99% occupied bandwidth;

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

EBW

5180MHz

20/08/2018

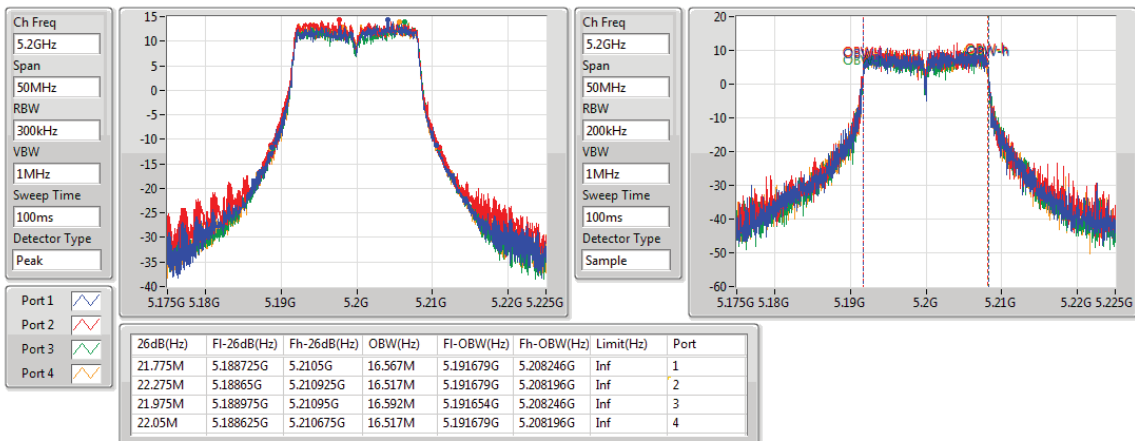


## 802.11a\_Nss1,(6Mbps)\_4TX

EBW

5200MHz

20/08/2018

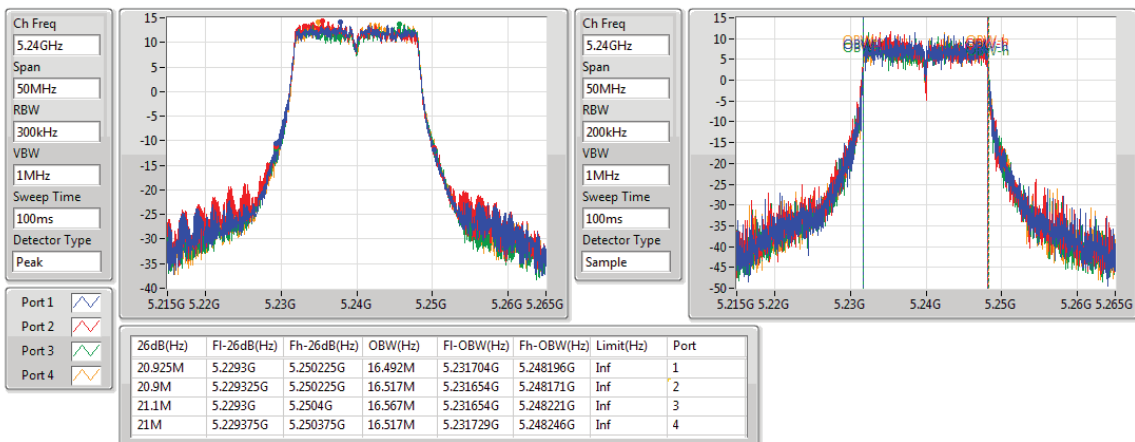


## 802.11a\_Nss1,(6Mbps)\_4TX

EBW

5240MHz

20/08/2018

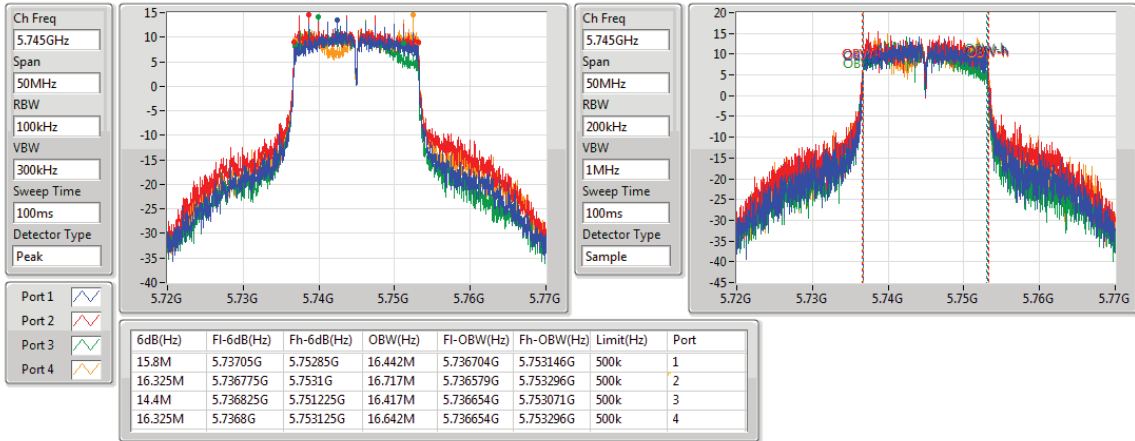


### 802.11a\_Nss1,(6Mbps)\_4TX

EBW

5745MHz

20/08/2018

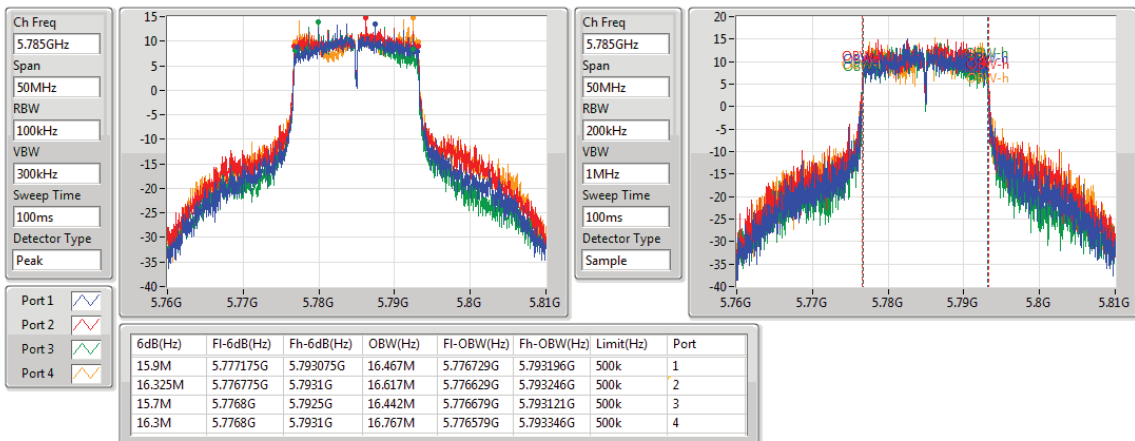


### 802.11a\_Nss1,(6Mbps)\_4TX

EBW

5785MHz

20/08/2018

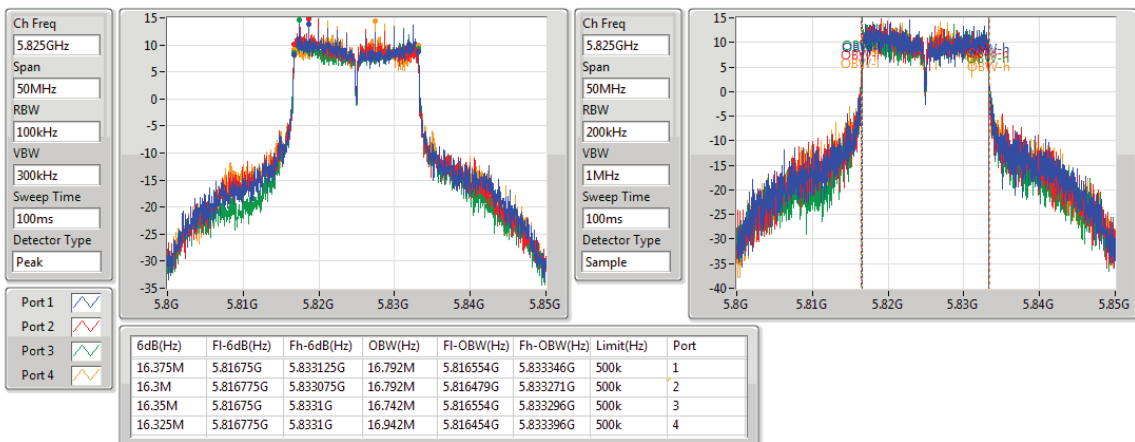


### 802.11a\_Nss1,(6Mbps)\_4TX

EBW

5825MHz

20/08/2018

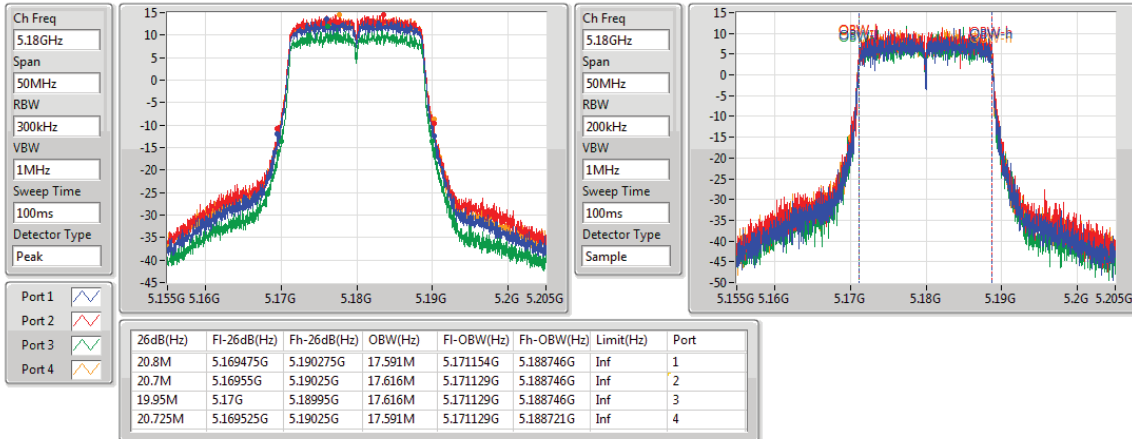


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5180MHz

20/08/2018

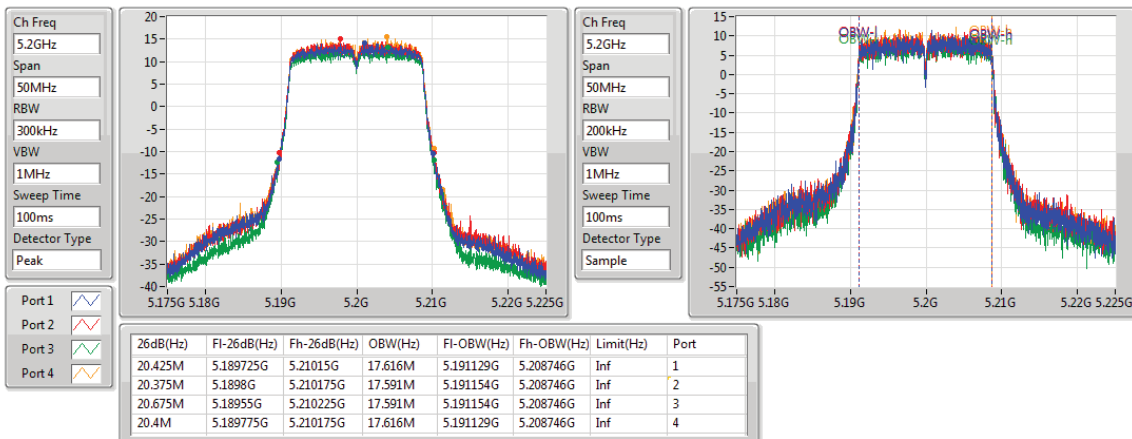


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5200MHz

20/08/2018

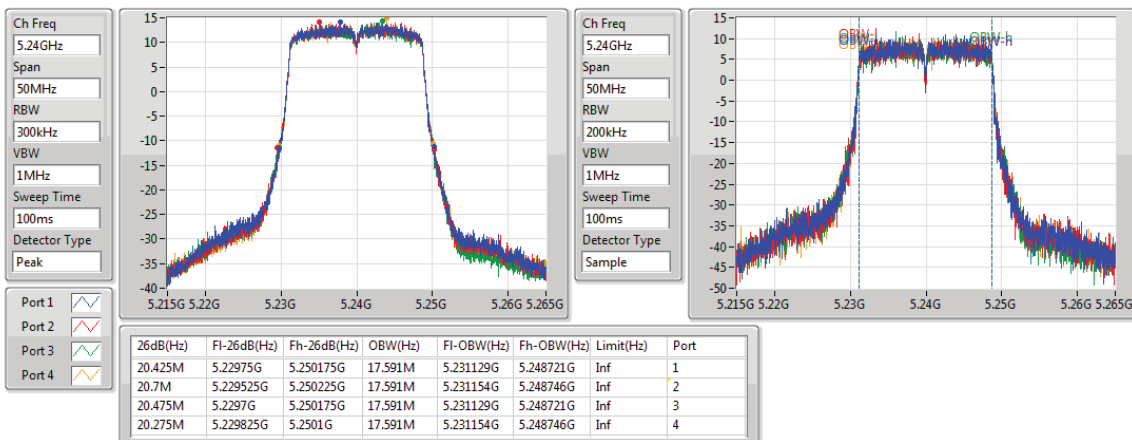


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5240MHz

20/08/2018

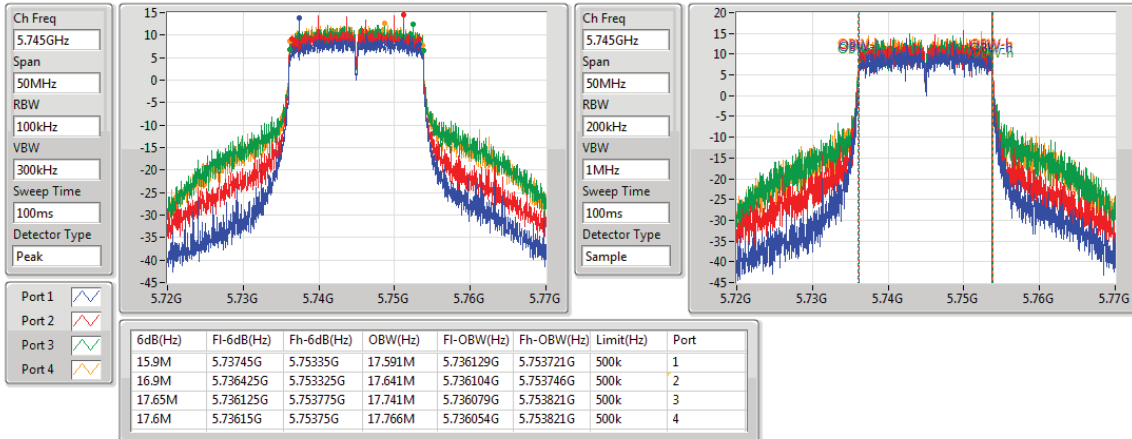


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5745MHz

20/08/2018

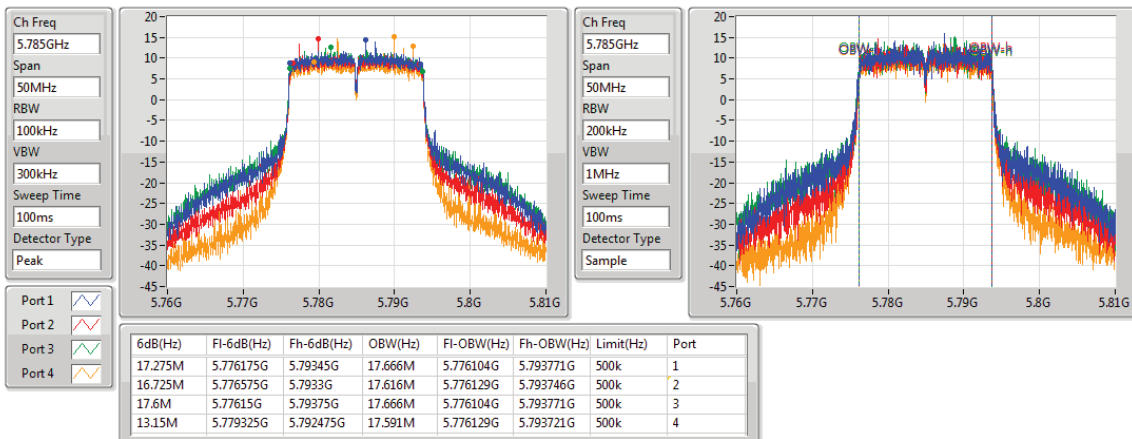


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5785MHz

20/08/2018

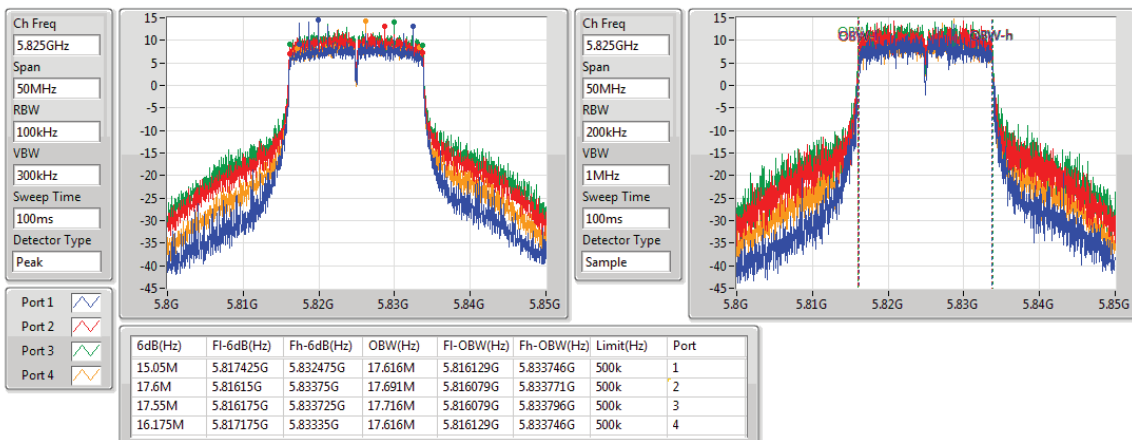


## 802.11ac VHT20\_Nss1,(MCS0)\_4TX

EBW

5825MHz

20/08/2018

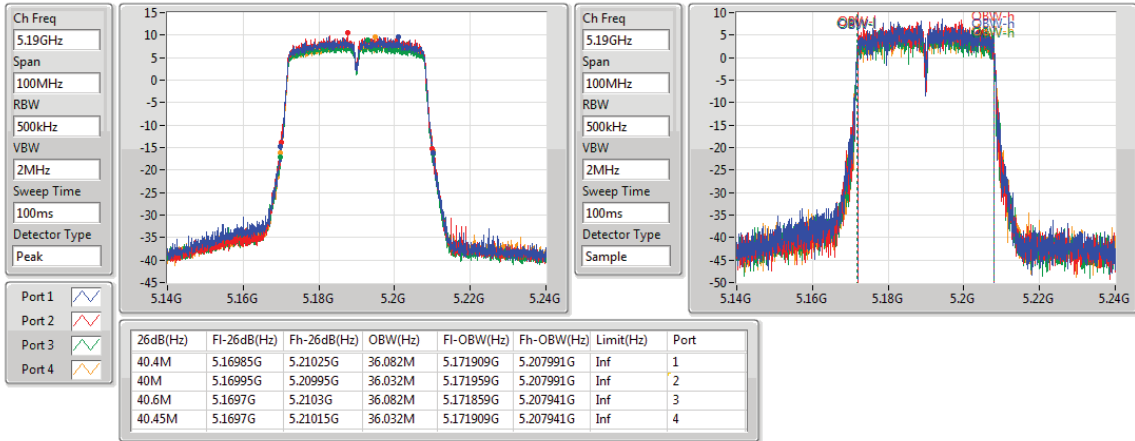


## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

5190MHz

20/08/2018

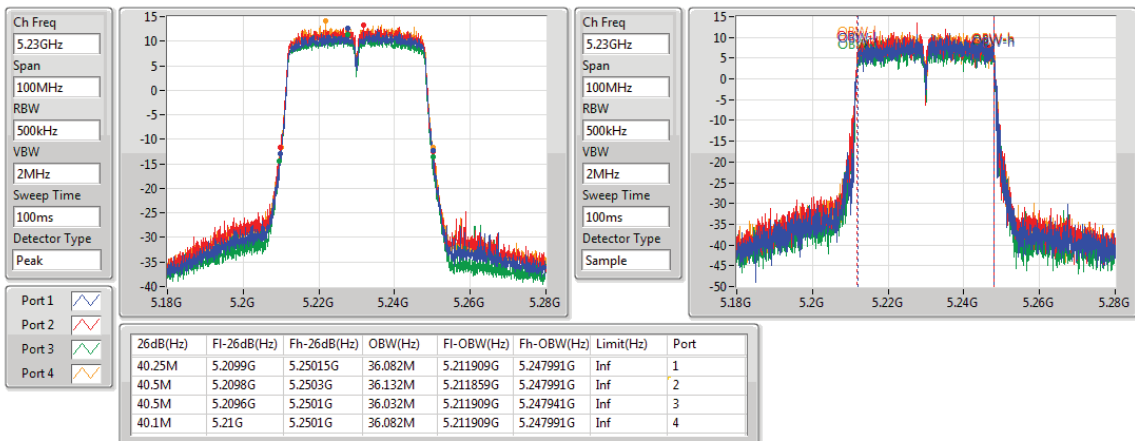


## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

5230MHz

20/08/2018

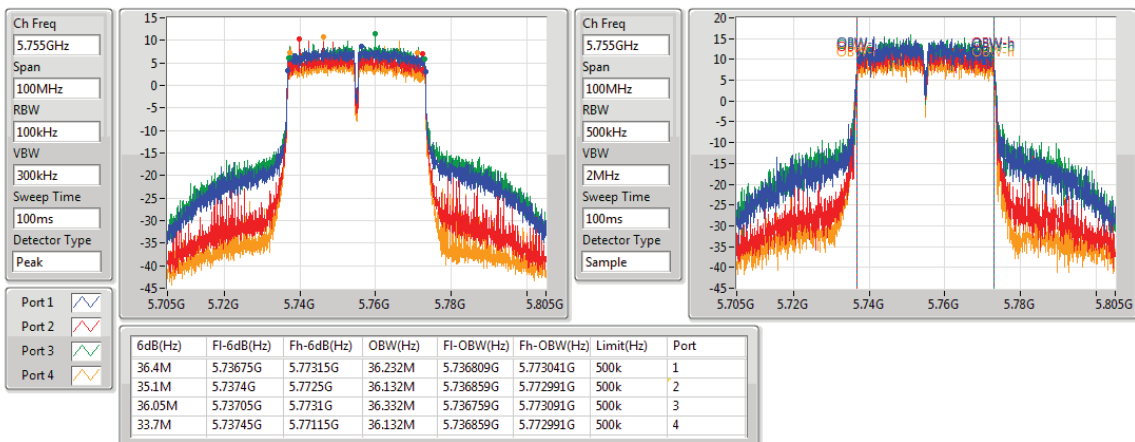


## 802.11ac VHT40\_Nss1,(MCS0)\_4TX

EBW

5755MHz

20/08/2018





802.11ac VHT40\_Nss1,(MCS0)\_4TX

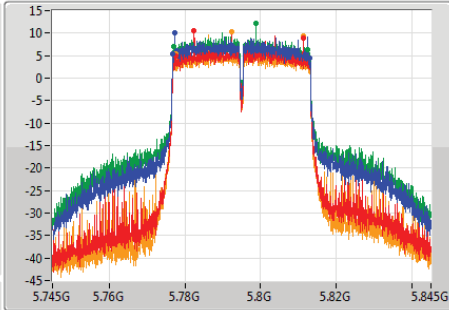
EBW

5795MHz

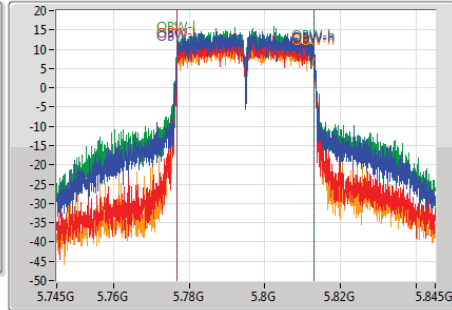
20/08/2018

Ch Freq  
5.795GHz  
Span  
100MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak

Port 1  
Port 2  
Port 3  
Port 4



Ch Freq  
5.795GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Sample



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 36.3M   | 5.7768G    | 5.8131G    | 36.232M | 5.776809G  | 5.813041G  | 500k      | 1    |
| 33.5M   | 5.7777G    | 5.8112G    | 36.132M | 5.776809G  | 5.812941G  | 500k      | 2    |
| 35.3M   | 5.77715G   | 5.81245G   | 36.282M | 5.776759G  | 5.813041G  | 500k      | 3    |
| 33.6M   | 5.77765G   | 5.81125G   | 36.082M | 5.776859G  | 5.812941G  | 500k      | 4    |

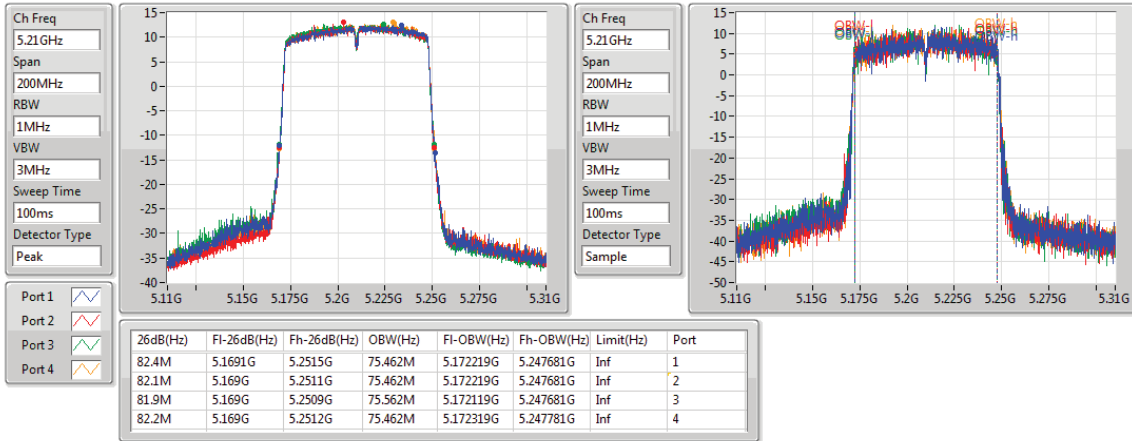


## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

5210MHz

20/08/2018

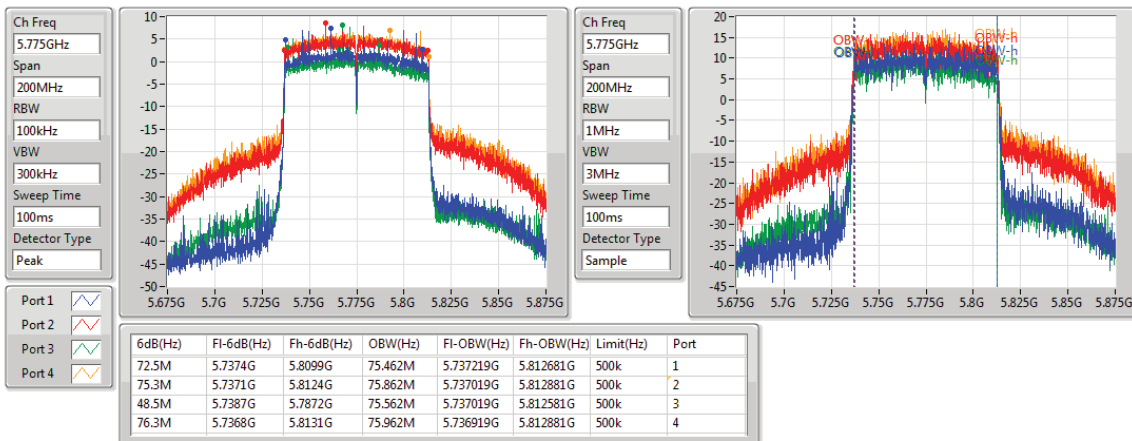


## 802.11ac VHT80\_Nss1,(MCS0)\_4TX

EBW

5775MHz

20/08/2018

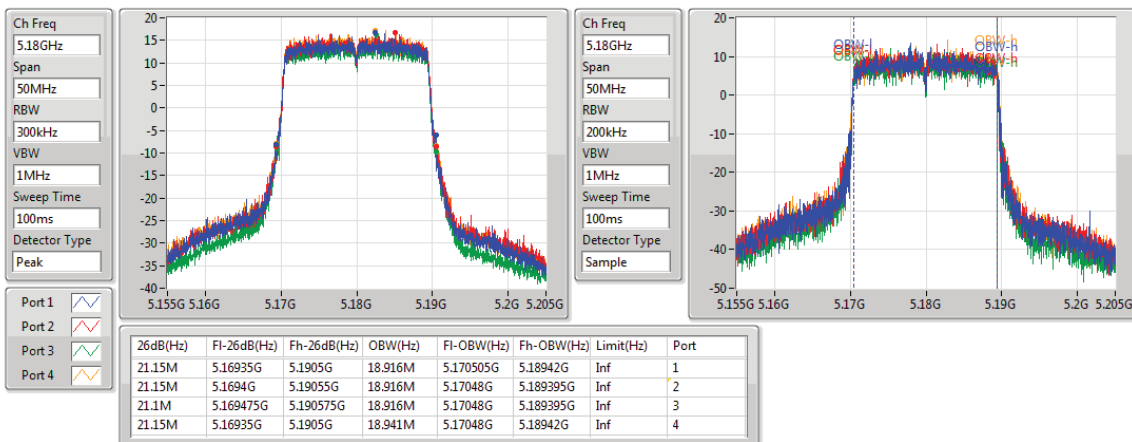


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5180MHz

20/08/2018



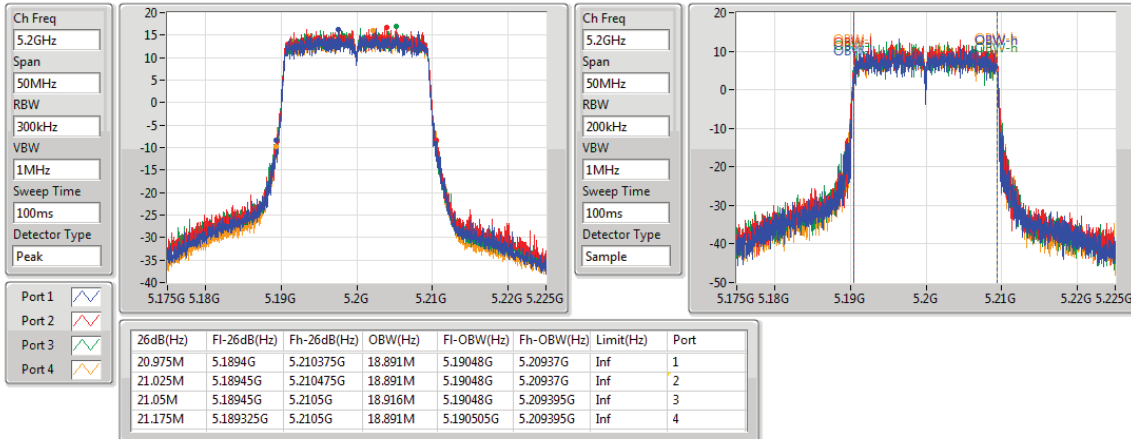


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5200MHz

20/08/2018

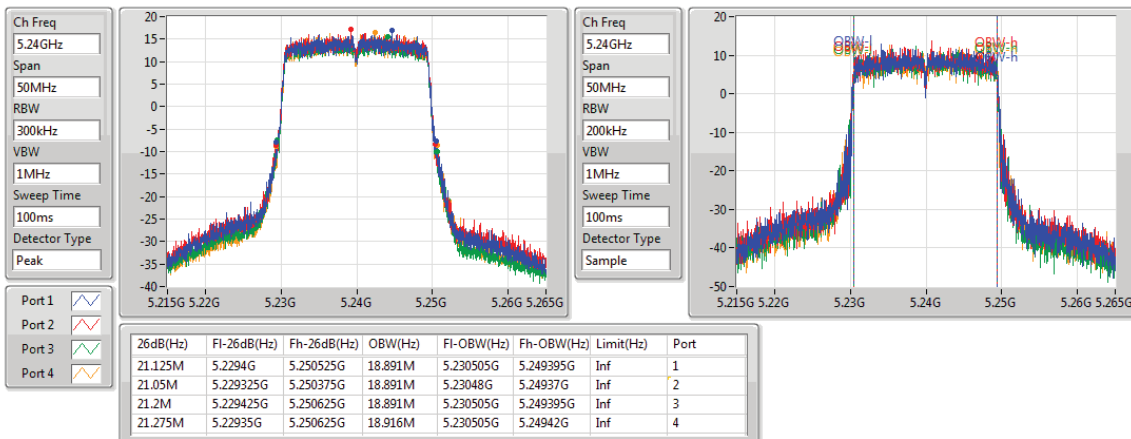


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5240MHz

20/08/2018

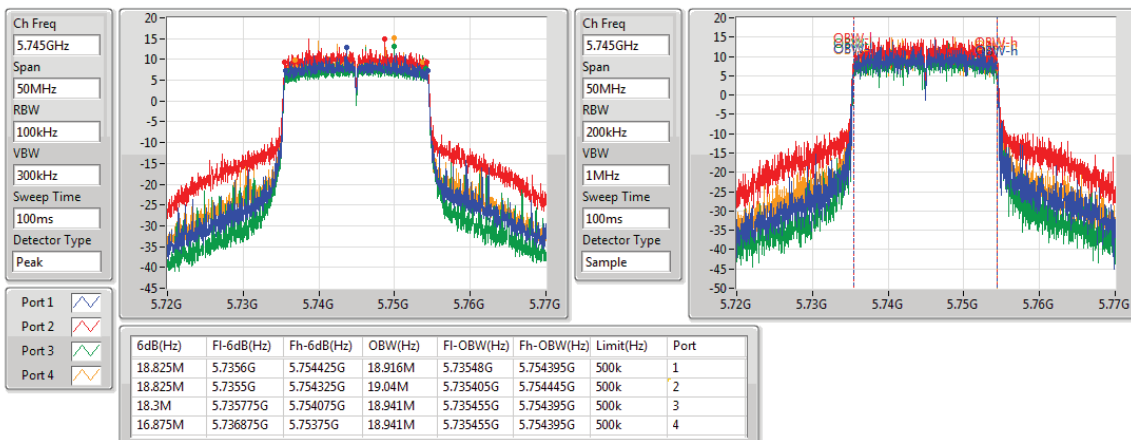


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5745MHz

20/08/2018

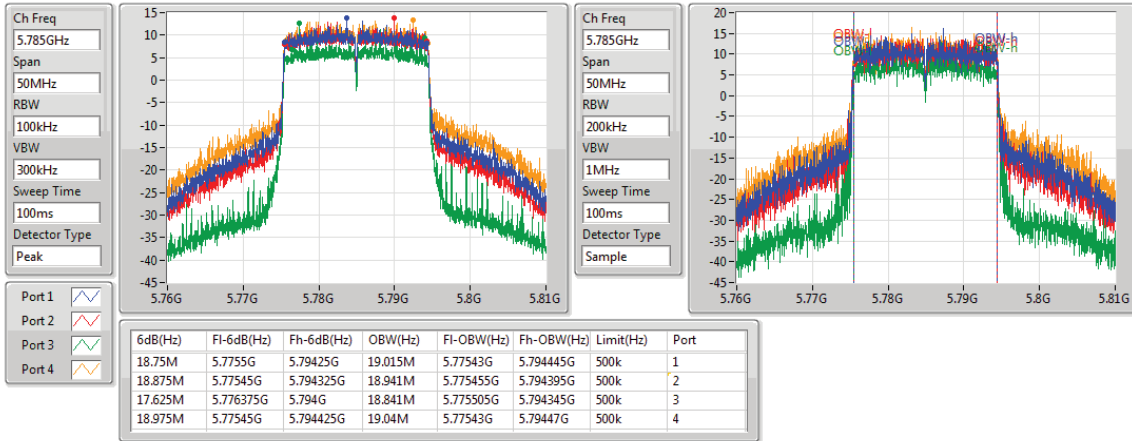


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5785MHz

20/08/2018

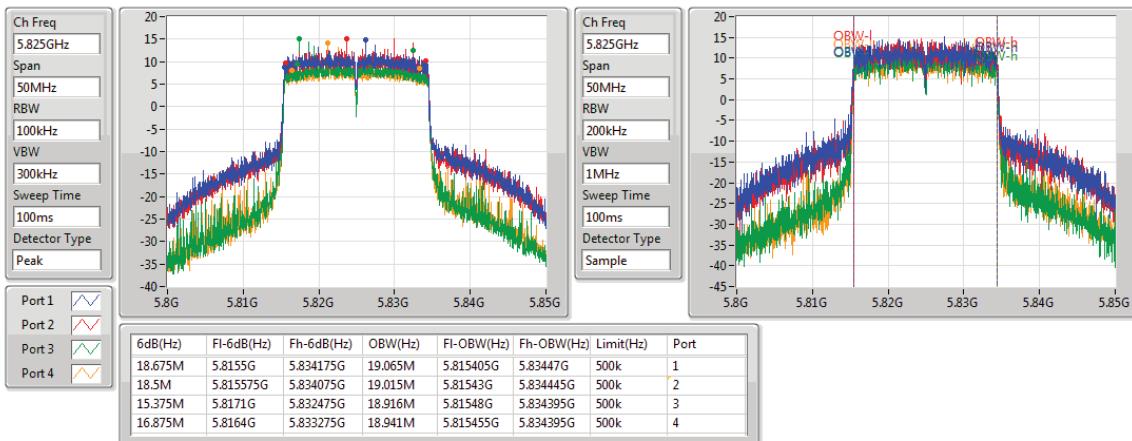


## 802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

5825MHz

20/08/2018

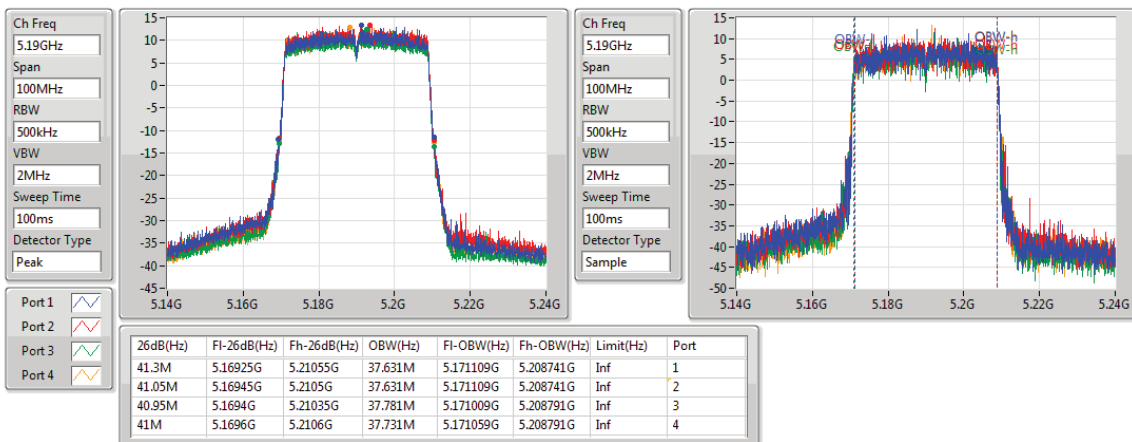


## 802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

5190MHz

20/08/2018

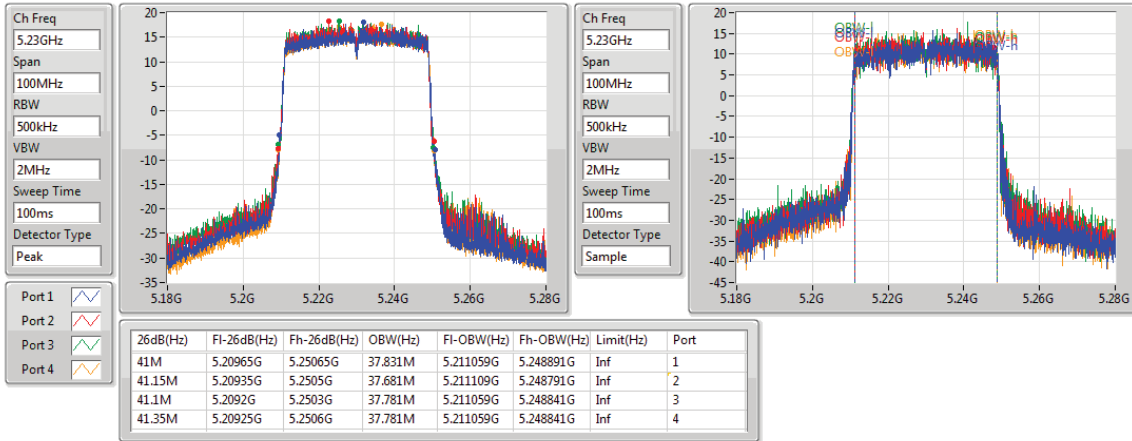


### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

5230MHz

20/08/2018

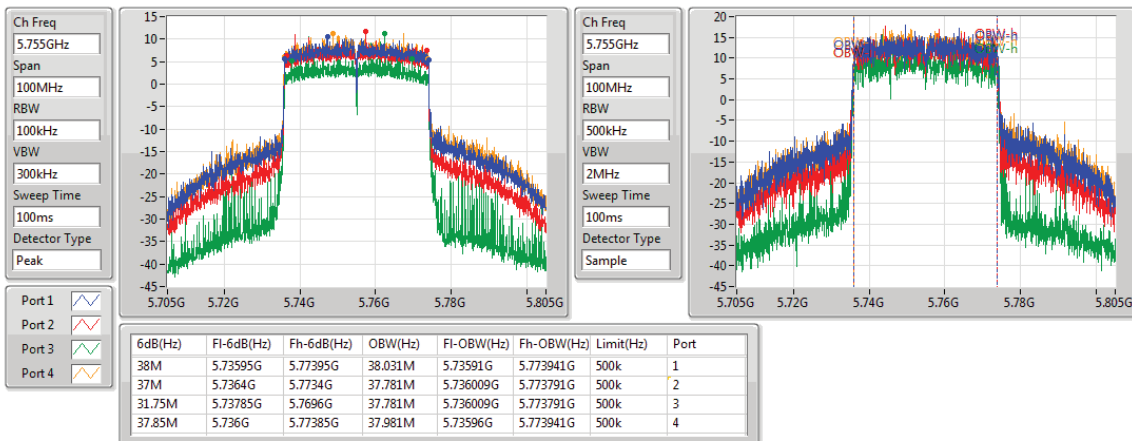


### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

5755MHz

20/08/2018

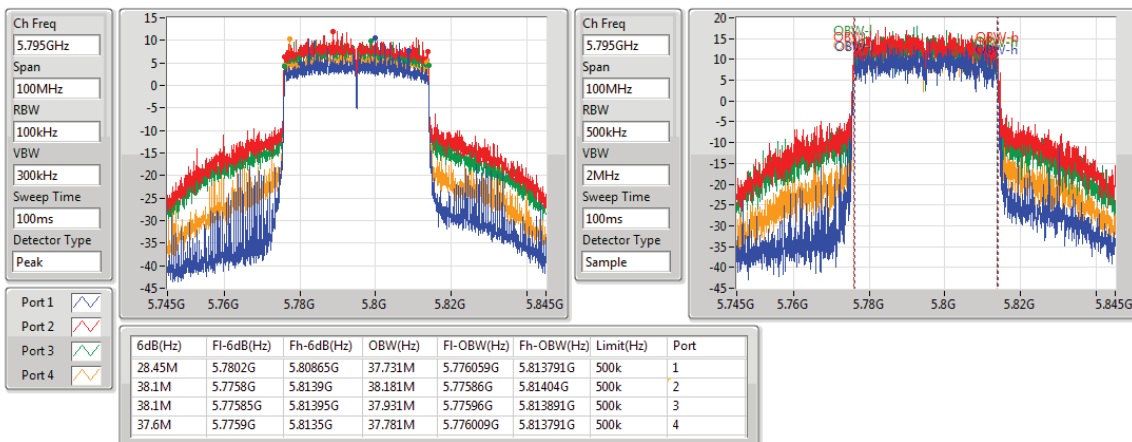


### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

5795MHz

20/08/2018

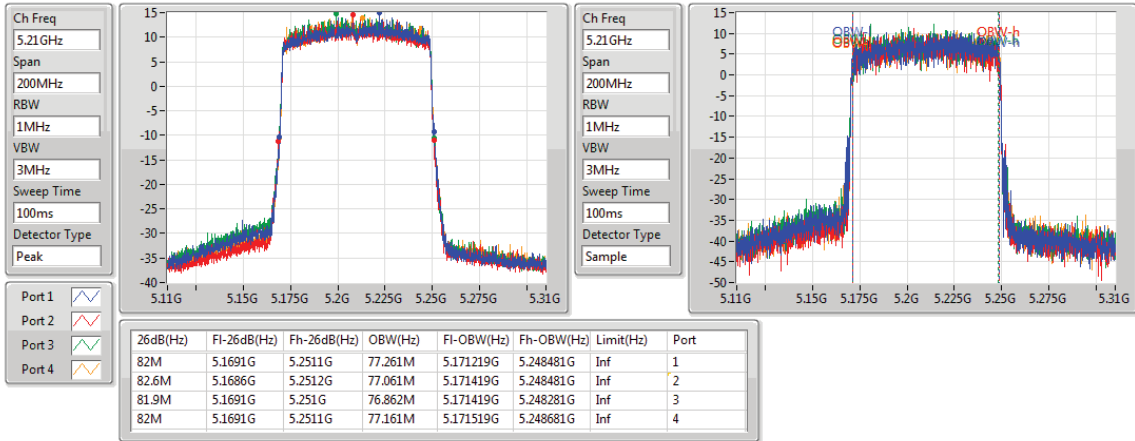


### 802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

5210MHz

20/08/2018

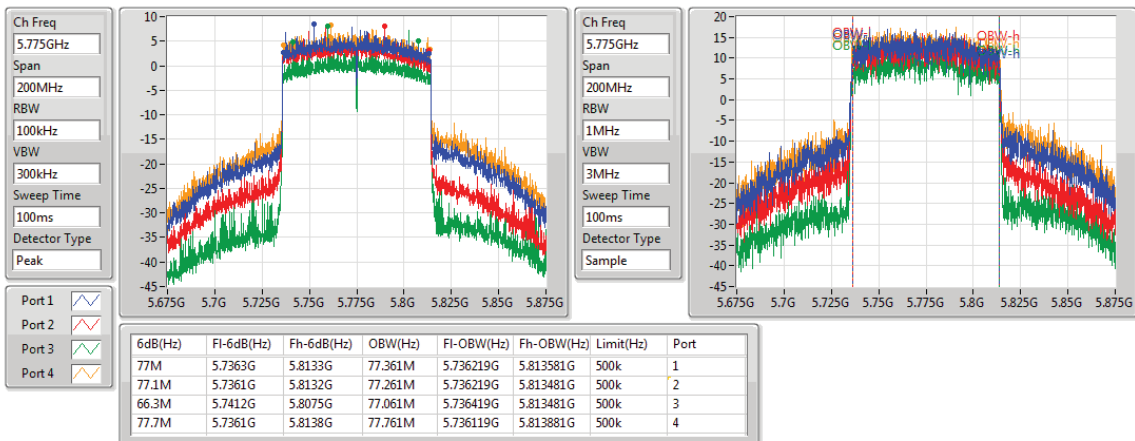


### 802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

5775MHz

20/08/2018



**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                      | -                | -               | -        | -                | -               |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 21.55M           | 17.616M         | 17M6D1D  | 19.975M          | 17.591M         |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 41.3M            | 36.132M         | 36M1D1D  | 39.15M           | 36.082M         |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 82.2M            | 75.862M         | 75M9D1D  | 79.6M            | 75.262M         |
| 5.725-5.85GHz                     | -                | -               | -        | -                | -               |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 17.575M          | 17.616M         | 17M6D1D  | 15.45M           | 17.566M         |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 36.45M           | 36.582M         | 36M6D1D  | 34.1M            | 35.982M         |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 75.8M            | 75.762M         | 75M8D1D  | 51.2M            | 75.262M         |

**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<br>dB<br>(Hz) | Port<br>1-OBW<br>(Hz) | Port 2-N<br>dB<br>(Hz) | Port<br>2-OBW<br>(Hz) | Port 3-N<br>dB<br>(Hz) | Port<br>3-OBW<br>(Hz) | Port 4-N<br>dB<br>(Hz) | Port<br>4-OBW<br>(Hz) |
|-----------------------------------|--------|---------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 5180MHz_TnomVnom                  | Pass   | Inf           | 20.8M                  | 17.616M               | 20.975M                | 17.591M               | 20.4M                  | 17.616M               | 20.55M                 | 17.616M               |
| 5200MHz_TnomVnom                  | Pass   | Inf           | 20.65M                 | 17.616M               | 20.625M                | 17.591M               | 20.525M                | 17.591M               | 20.5M                  | 17.616M               |
| 5240MHz_TnomVnom                  | Pass   | Inf           | 21.55M                 | 17.591M               | 19.975M                | 17.591M               | 21.15M                 | 17.616M               | 20.6M                  | 17.591M               |
| 5745MHz_TnomVnom                  | Pass   | 500k          | 17.525M                | 17.616M               | 17.525M                | 17.616M               | 17.525M                | 17.616M               | 17.575M                | 17.591M               |
| 5785MHz_TnomVnom                  | Pass   | 500k          | 16.525M                | 17.591M               | 17.05M                 | 17.616M               | 17.575M                | 17.616M               | 17.575M                | 17.591M               |
| 5825MHz_TnomVnom                  | Pass   | 500k          | 16.025M                | 17.591M               | 15.725M                | 17.566M               | 17.15M                 | 17.616M               | 15.45M                 | 17.566M               |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 5190MHz_TnomVnom                  | Pass   | Inf           | 39.85M                 | 36.132M               | 39.15M                 | 36.132M               | 39.6M                  | 36.132M               | 40.2M                  | 36.082M               |
| 5230MHz_TnomVnom                  | Pass   | Inf           | 39.85M                 | 36.082M               | 40M                    | 36.082M               | 41.3M                  | 36.132M               | 40.25M                 | 36.082M               |
| 5755MHz_TnomVnom                  | Pass   | 500k          | 35M                    | 35.982M               | 35M                    | 36.132M               | 35.7M                  | 36.082M               | 36.45M                 | 36.082M               |
| 5795MHz_TnomVnom                  | Pass   | 500k          | 36.05M                 | 36.182M               | 36.25M                 | 36.182M               | 35.7M                  | 36.582M               | 34.1M                  | 36.132M               |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | -      | -             | -                      | -                     | -                      | -                     | -                      | -                     | -                      | -                     |
| 5210MHz_TnomVnom                  | Pass   | Inf           | 80M                    | 75.462M               | 79.6M                  | 75.262M               | 82.2M                  | 75.462M               | 79.9M                  | 75.862M               |
| 5775MHz_TnomVnom                  | Pass   | 500k          | 75.8M                  | 75.462M               | 73.8M                  | 75.762M               | 51.2M                  | 75.262M               | 75.5M                  | 75.362M               |

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

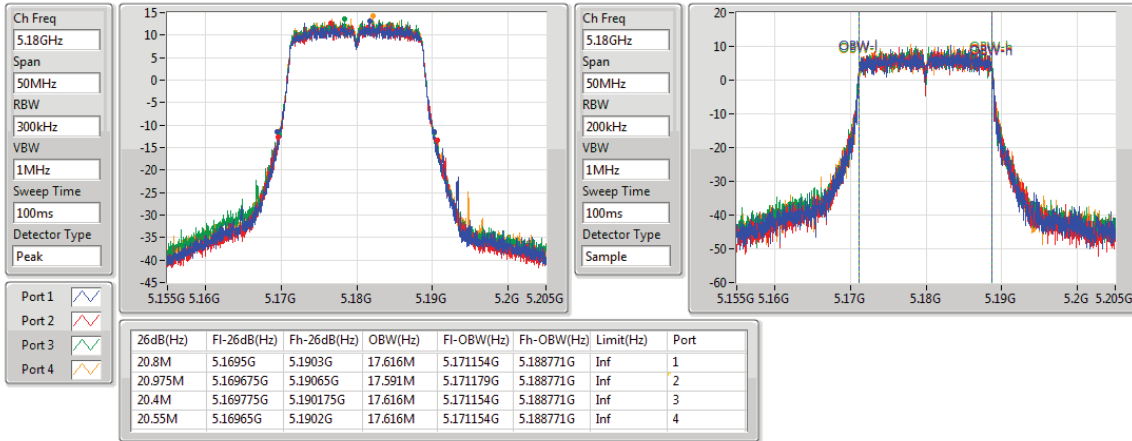
Port X-OBW = Port X 99% occupied bandwidth;

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

EBW

5180MHz

21/08/2018

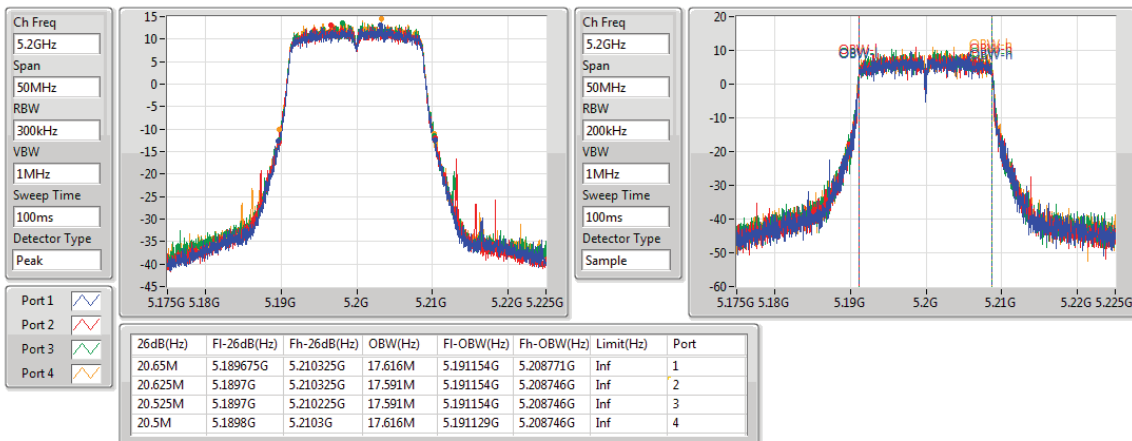


## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5200MHz

21/08/2018

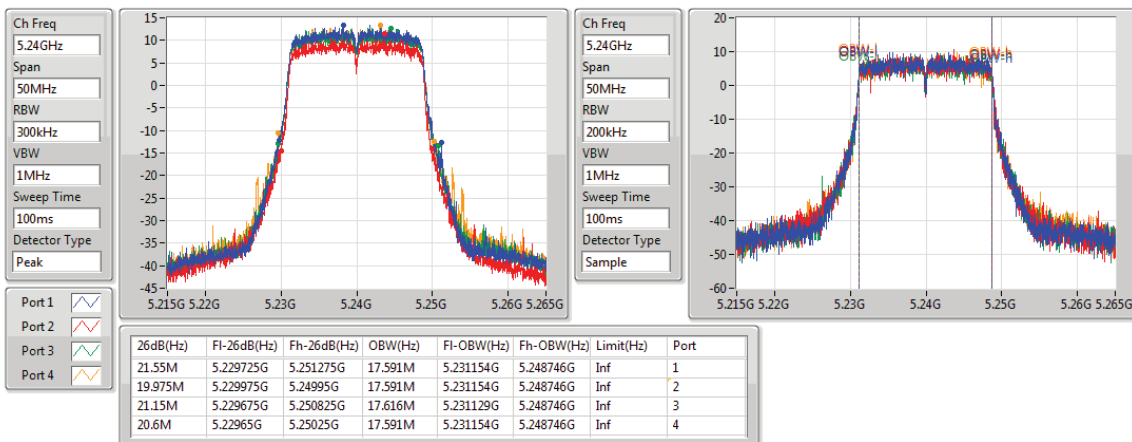


## 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5240MHz

21/08/2018



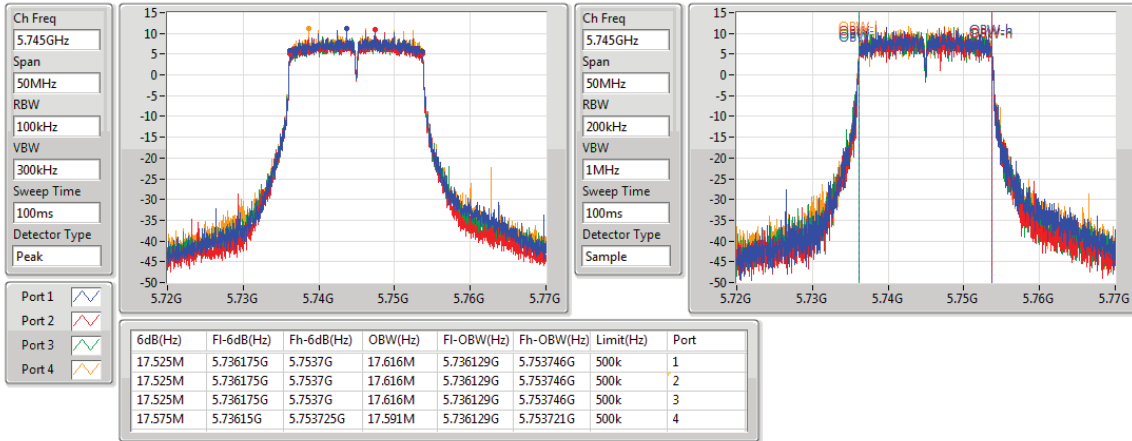


### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5745MHz

21/08/2018

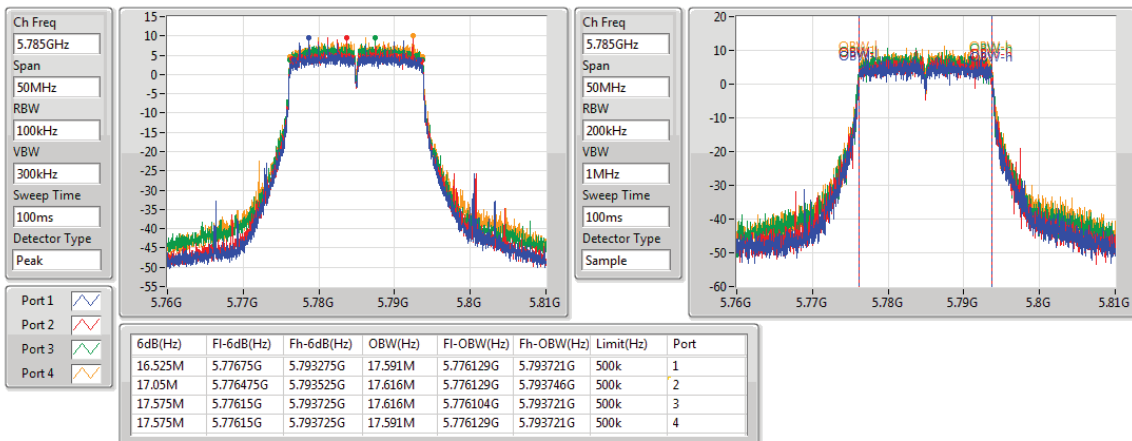


### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5785MHz

21/08/2018

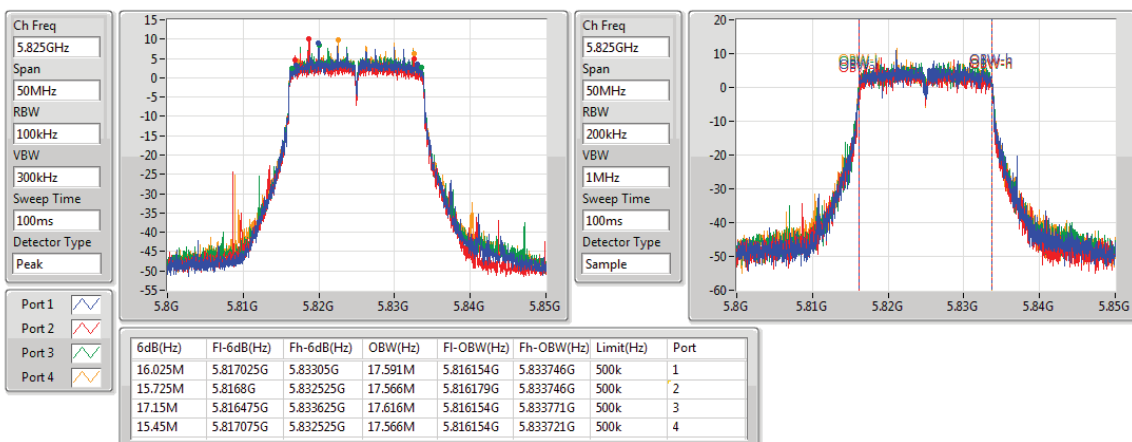


### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5825MHz

21/08/2018





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

EBW

5190MHz

21/08/2018

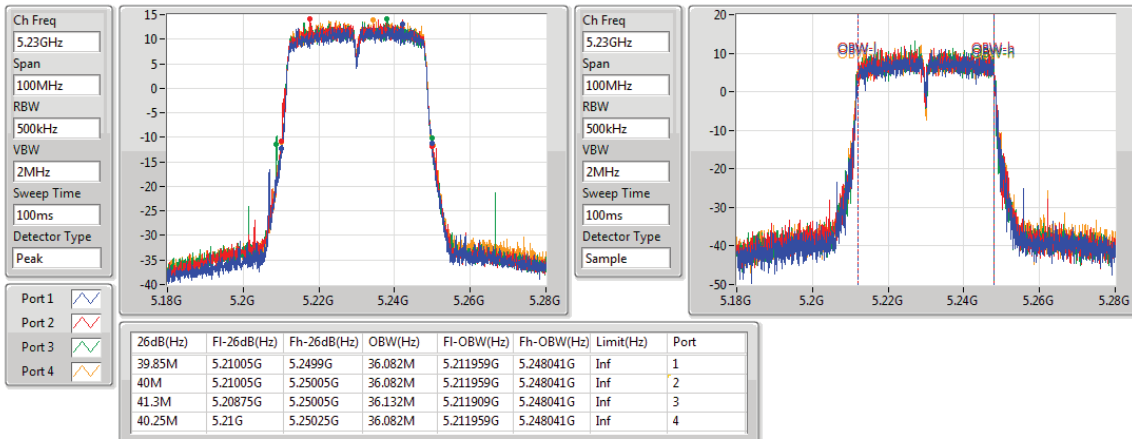


## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5230MHz

21/08/2018

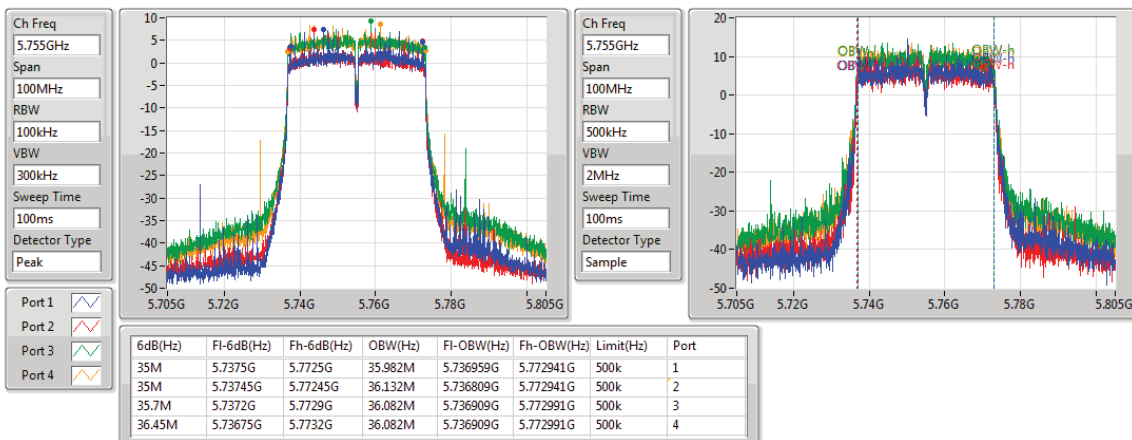


## 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5755MHz

21/08/2018

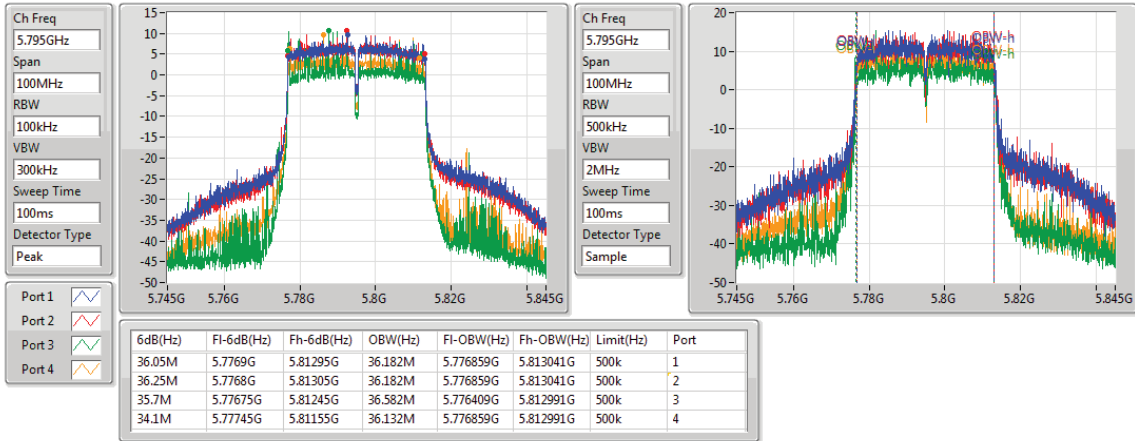


### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5795MHz

21/08/2018

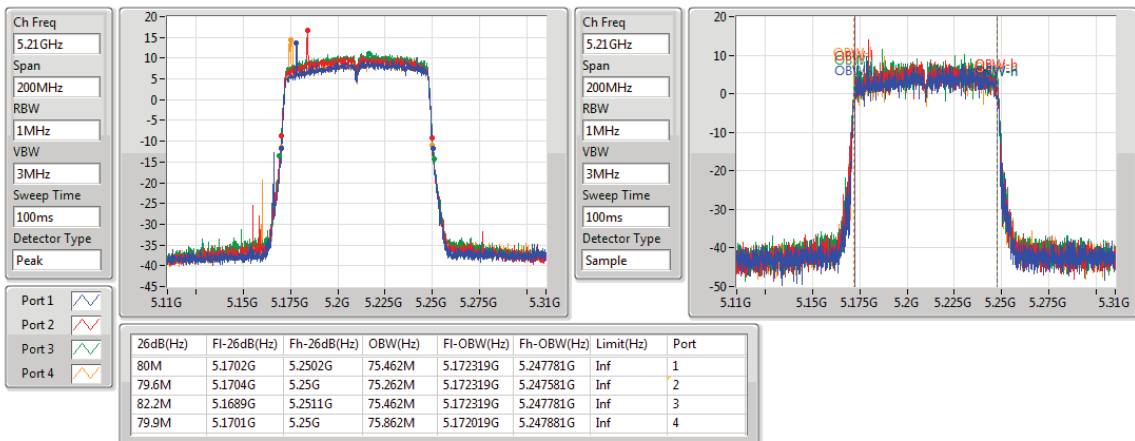


### 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

5210MHz

21/08/2018

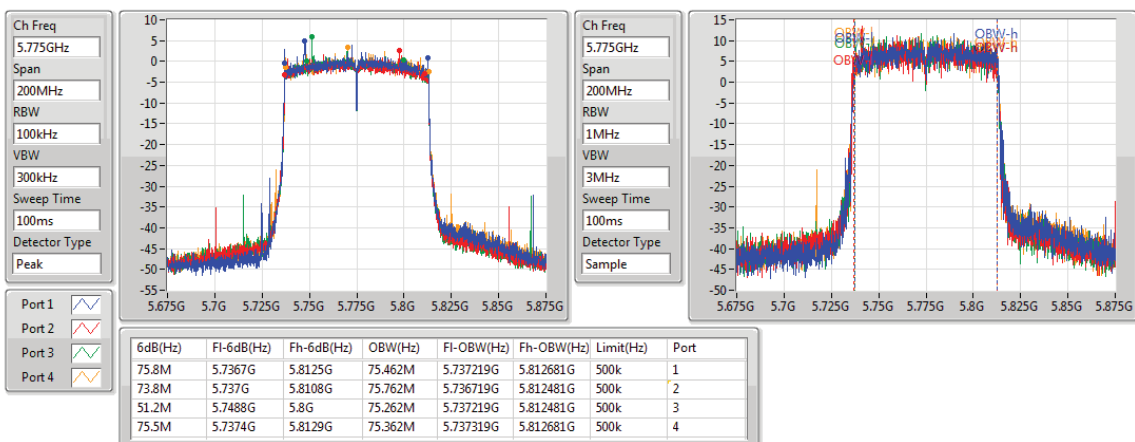


### 802.11ac VHT80-BF\_Nss1,(MCS0)\_4TX

EBW

5775MHz

21/08/2018



**Summary**

| Mode                           | Total Power<br>(dBm) | Total Power<br>(W) | EIRP<br>(dBm) | EIRP<br>(W) |
|--------------------------------|----------------------|--------------------|---------------|-------------|
| 5.15-5.25GHz                   | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_4TX       | 27.95                | 0.62373            | 29.05         | 0.80353     |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 28.02                | 0.63387            | 29.12         | 0.81658     |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 26.49                | 0.44566            | 27.59         | 0.57412     |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 26.28                | 0.42462            | 27.38         | 0.54702     |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 28.39                | 0.69024            | 29.49         | 0.88920     |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 29.72                | 0.93756            | 30.82         | 1.20781     |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 25.34                | 0.34198            | 26.44         | 0.44055     |
| 5.725-5.85GHz                  | -                    | -                  | -             | -           |
| 802.11a_Nss1,(6Mbps)_4TX       | 29.82                | 0.95940            | 31.92         | 1.55597     |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 29.75                | 0.94406            | 31.85         | 1.53109     |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 29.53                | 0.89743            | 31.63         | 1.45546     |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 29.20                | 0.83176            | 31.30         | 1.34896     |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 29.90                | 0.97724            | 32.00         | 1.58489     |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 29.83                | 0.96161            | 31.93         | 1.55955     |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 29.61                | 0.91411            | 31.71         | 1.48252     |



Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Port 3<br>(dBm) | Port 4<br>(dBm) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | EIRP<br>(dBm) | EIRP Limit<br>(dBm) |
|--------------------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|-------------------------|-------------------------|---------------|---------------------|
| 802.11a_Nss1,(6Mbps)_4TX       | -      | -           | -               | -               | -               | -               | -                       | -                       | -             | -                   |
| 5180MHz_TnomVnom               | Pass   | 1.10        | 21.55           | 22.38           | 21.85           | 21.90           | 27.95                   | 30.00                   | 29.05         | 36.00               |
| 5200MHz_TnomVnom               | Pass   | 1.10        | 21.34           | 22.08           | 21.15           | 21.56           | 27.57                   | 30.00                   | 28.67         | 36.00               |
| 5240MHz_TnomVnom               | Pass   | 1.10        | 21.45           | 21.61           | 21.11           | 21.50           | 27.44                   | 30.00                   | 28.54         | 36.00               |
| 5745MHz_TnomVnom               | Pass   | 2.10        | 23.30           | 23.92           | 23.04           | 23.62           | 29.50                   | 30.00                   | 31.60         | 36.00               |
| 5785MHz_TnomVnom               | Pass   | 2.10        | 23.34           | 24.25           | 23.35           | 23.96           | 29.76                   | 30.00                   | 31.86         | 36.00               |
| 5825MHz_TnomVnom               | Pass   | 2.10        | 23.78           | 24.06           | 23.43           | 23.90           | 29.82                   | 30.00                   | 31.92         | 36.00               |
| 802.11ac_VHT20_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                       | -                       | -             | -                   |
| 5180MHz_TnomVnom               | Pass   | 1.10        | 21.24           | 22.40           | 21.02           | 22.11           | 27.75                   | 30.00                   | 28.85         | 36.00               |
| 5200MHz_TnomVnom               | Pass   | 1.10        | 21.88           | 22.45           | 21.02           | 22.49           | 28.02                   | 30.00                   | 29.12         | 36.00               |
| 5240MHz_TnomVnom               | Pass   | 1.10        | 21.46           | 21.45           | 21.28           | 21.48           | 27.44                   | 30.00                   | 28.54         | 36.00               |
| 5745MHz_TnomVnom               | Pass   | 2.10        | 22.16           | 24.28           | 21.36           | 22.96           | 28.85                   | 30.00                   | 30.95         | 36.00               |
| 5785MHz_TnomVnom               | Pass   | 2.10        | 23.98           | 23.45           | 24.14           | 22.38           | 29.56                   | 30.00                   | 31.66         | 36.00               |
| 5825MHz_TnomVnom               | Pass   | 2.10        | 22.32           | 24.39           | 24.77           | 22.97           | 29.75                   | 30.00                   | 31.85         | 36.00               |
| 802.11ac_VHT40_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                       | -                       | -             | -                   |
| 5190MHz_TnomVnom               | Pass   | 1.10        | 17.74           | 17.90           | 16.86           | 17.09           | 23.44                   | 30.00                   | 24.54         | 36.00               |
| 5230MHz_TnomVnom               | Pass   | 1.10        | 20.59           | 21.00           | 19.94           | 20.29           | 26.49                   | 30.00                   | 27.59         | 36.00               |
| 5755MHz_TnomVnom               | Pass   | 2.10        | 24.42           | 23.56           | 19.61           | 24.41           | 29.40                   | 30.00                   | 31.50         | 36.00               |
| 5795MHz_TnomVnom               | Pass   | 2.10        | 24.21           | 22.60           | 24.71           | 21.96           | 29.53                   | 30.00                   | 31.63         | 36.00               |
| 802.11ac_VHT80_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                       | -                       | -             | -                   |
| 5210MHz_TnomVnom               | Pass   | 1.10        | 20.18           | 20.14           | 20.38           | 20.34           | 26.28                   | 30.00                   | 27.38         | 36.00               |
| 5775MHz_TnomVnom               | Pass   | 2.10        | 21.45           | 24.53           | 19.96           | 24.91           | 29.20                   | 30.00                   | 31.30         | 36.00               |
| 802.11ax_HEW20_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                       | -                       | -             | -                   |
| 5180MHz_TnomVnom               | Pass   | 1.10        | 22.27           | 22.70           | 21.52           | 22.87           | 28.39                   | 30.00                   | 29.49         | 36.00               |
| 5200MHz_TnomVnom               | Pass   | 1.10        | 21.76           | 22.44           | 22.43           | 21.99           | 28.19                   | 30.00                   | 29.29         | 36.00               |
| 5240MHz_TnomVnom               | Pass   | 1.10        | 22.22           | 22.54           | 21.74           | 21.94           | 28.14                   | 30.00                   | 29.24         | 36.00               |
| 5745MHz_TnomVnom               | Pass   | 2.10        | 23.23           | 25.30           | 22.49           | 23.98           | 29.90                   | 30.00                   | 32.00         | 36.00               |
| 5785MHz_TnomVnom               | Pass   | 2.10        | 23.96           | 23.93           | 20.71           | 24.75           | 29.60                   | 30.00                   | 31.70         | 36.00               |
| 5825MHz_TnomVnom               | Pass   | 2.10        | 24.76           | 24.69           | 22.69           | 22.31           | 29.78                   | 30.00                   | 31.88         | 36.00               |
| 802.11ax_HEW40_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                       | -                       | -             | -                   |
| 5190MHz_TnomVnom               | Pass   | 1.10        | 19.01           | 19.36           | 18.21           | 18.60           | 24.84                   | 30.00                   | 25.94         | 36.00               |
| 5230MHz_TnomVnom               | Pass   | 1.10        | 23.43           | 23.84           | 23.97           | 23.54           | 29.72                   | 30.00                   | 30.82         | 36.00               |
| 5755MHz_TnomVnom               | Pass   | 2.10        | 24.73           | 23.92           | 20.40           | 24.89           | 29.83                   | 30.00                   | 31.93         | 36.00               |
| 5795MHz_TnomVnom               | Pass   | 2.10        | 21.28           | 25.20           | 24.67           | 23.09           | 29.83                   | 30.00                   | 31.93         | 36.00               |
| 802.11ax_HEW80_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                       | -                       | -             | -                   |
| 5210MHz_TnomVnom               | Pass   | 1.10        | 19.27           | 18.95           | 19.56           | 19.46           | 25.34                   | 30.00                   | 26.44         | 36.00               |
| 5775MHz_TnomVnom               | Pass   | 2.10        | 24.43           | 23.27           | 20.68           | 24.89           | 29.61                   | 30.00                   | 31.71         | 36.00               |

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

**Summary**

| Mode                              | Total Power<br>(dBm) | Total Power<br>(W) | EIRP<br>(dBm) | EIRP<br>(W) |
|-----------------------------------|----------------------|--------------------|---------------|-------------|
| 5.15-5.25GHz                      | -                    | -                  | -             | -           |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 26.69                | 0.46666            | 33.81         | 2.40436     |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 26.32                | 0.42855            | 33.44         | 2.20800     |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 23.08                | 0.20324            | 30.20         | 1.04713     |
| 5.725-5.85GHz                     | -                    | -                  | -             | -           |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 27.04                | 0.50582            | 35.16         | 3.28095     |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 27.26                | 0.53258            | 35.38         | 3.45452     |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 25.31                | 0.33963            | 33.43         | 2.20293     |



**Result**

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm) | Port 2<br>(dBm) | Port 3<br>(dBm) | Port 4<br>(dBm) | Total<br>Power<br>(dBm) | Power<br>Limit<br>(dBm) | EIRP<br>(dBm) | EIRP Limit<br>(dBm) |
|-----------------------------------|--------|-------------|-----------------|-----------------|-----------------|-----------------|-------------------------|-------------------------|---------------|---------------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                       | -                       | -             | -                   |
| 5180MHz_TnomVnom                  | Pass   | 7.12        | 20.32           | 20.37           | 20.87           | 21.06           | 26.69                   | 28.88                   | 33.81         | 36.00               |
| 5200MHz_TnomVnom                  | Pass   | 7.12        | 20.24           | 20.40           | 20.75           | 20.84           | 26.59                   | 28.88                   | 33.71         | 36.00               |
| 5240MHz_TnomVnom                  | Pass   | 7.12        | 19.93           | 20.30           | 19.58           | 19.79           | 25.93                   | 28.88                   | 33.05         | 36.00               |
| 5745MHz_TnomVnom                  | Pass   | 8.12        | 21.20           | 20.66           | 20.51           | 21.62           | 27.04                   | 27.88                   | 35.16         | 36.00               |
| 5785MHz_TnomVnom                  | Pass   | 8.12        | 17.43           | 19.94           | 16.55           | 20.45           | 24.91                   | 27.88                   | 33.03         | 36.00               |
| 5825MHz_TnomVnom                  | Pass   | 8.12        | 17.83           | 17.03           | 18.28           | 18.11           | 23.86                   | 27.88                   | 31.98         | 36.00               |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                       | -                       | -             | -                   |
| 5190MHz_TnomVnom                  | Pass   | 7.12        | 17.08           | 16.46           | 16.03           | 17.77           | 22.91                   | 28.88                   | 30.03         | 36.00               |
| 5230MHz_TnomVnom                  | Pass   | 7.12        | 19.86           | 20.39           | 20.31           | 20.60           | 26.32                   | 28.88                   | 33.44         | 36.00               |
| 5755MHz_TnomVnom                  | Pass   | 8.12        | 18.24           | 18.22           | 21.70           | 21.63           | 26.30                   | 27.88                   | 34.42         | 36.00               |
| 5795MHz_TnomVnom                  | Pass   | 8.12        | 19.27           | 23.16           | 17.07           | 22.79           | 27.26                   | 27.88                   | 35.38         | 36.00               |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | -      | -           | -               | -               | -               | -               | -                       | -                       | -             | -                   |
| 5210MHz_TnomVnom                  | Pass   | 7.12        | 17.33           | 17.24           | 16.48           | 17.13           | 23.08                   | 28.88                   | 30.20         | 36.00               |
| 5775MHz_TnomVnom                  | Pass   | 8.12        | 19.49           | 18.96           | 19.17           | 19.52           | 25.31                   | 27.88                   | 33.43         | 36.00               |

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

**Summary**

| Mode                           | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) |
|--------------------------------|-----------------|----------------------|
| 5.15-5.25GHz                   | -               | -                    |
| 802.11a_Nss1,(6Mbps)_4TX       | 15.81           | 22.93                |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 15.79           | 22.91                |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 11.60           | 18.72                |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 8.38            | 15.50                |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 14.64           | 21.76                |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 15.80           | 22.92                |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 7.31            | 14.43                |
| 5.725-5.85GHz                  | -               | -                    |
| 802.11a_Nss1,(6Mbps)_4TX       | 17.63           | 25.75                |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 16.87           | 24.99                |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 13.49           | 21.61                |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 10.25           | 18.37                |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | 16.32           | 24.44                |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | 13.83           | 21.95                |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | 10.75           | 18.87                |

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



Result

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) | EIRP PD Limit<br>(dBm/RBW) |
|--------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|----------------------|----------------------------|
| 802.11a_Nss1,(6Mbps)_4TX       | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5180MHz_TnomVnom               | Pass   | 7.12        | 9.81                | 10.40               | 10.03               | 10.20               | 15.81           | 15.88                 | 22.93                | 23.00                      |
| 5200MHz_TnomVnom               | Pass   | 7.12        | 9.58                | 10.30               | 9.80                | 9.72                | 15.67           | 15.88                 | 22.79                | 23.00                      |
| 5240MHz_TnomVnom               | Pass   | 7.12        | 9.56                | 10.42               | 9.48                | 9.95                | 15.65           | 15.88                 | 22.77                | 23.00                      |
| 5745MHz_TnomVnom               | Pass   | 8.12        | 11.42               | 11.53               | 11.00               | 11.58               | 17.15           | 27.88                 | 25.27                | 36.00                      |
| 5785MHz_TnomVnom               | Pass   | 8.12        | 11.43               | 12.00               | 11.36               | 11.92               | 17.56           | 27.88                 | 25.68                | 36.00                      |
| 5825MHz_TnomVnom               | Pass   | 8.12        | 11.65               | 12.39               | 11.80               | 12.01               | 17.63           | 27.88                 | 25.75                | 36.00                      |
| 802.11ac_VHT20_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5180MHz_TnomVnom               | Pass   | 7.12        | 9.03                | 9.50                | 8.28                | 9.68                | 15.17           | 15.88                 | 22.29                | 23.00                      |
| 5200MHz_TnomVnom               | Pass   | 7.12        | 9.62                | 10.19               | 8.82                | 10.32               | 15.79           | 15.88                 | 22.91                | 23.00                      |
| 5240MHz_TnomVnom               | Pass   | 7.12        | 9.48                | 9.50                | 9.26                | 9.52                | 15.44           | 15.88                 | 22.56                | 23.00                      |
| 5745MHz_TnomVnom               | Pass   | 8.12        | 9.32                | 10.67               | 11.43               | 11.69               | 16.87           | 27.88                 | 24.99                | 36.00                      |
| 5785MHz_TnomVnom               | Pass   | 8.12        | 11.04               | 10.52               | 11.14               | 9.52                | 16.61           | 27.88                 | 24.73                | 36.00                      |
| 5825MHz_TnomVnom               | Pass   | 8.12        | 9.03                | 10.86               | 11.33               | 9.81                | 16.35           | 27.88                 | 24.47                | 36.00                      |
| 802.11ac_VHT40_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5190MHz_TnomVnom               | Pass   | 7.12        | 1.84                | 2.95                | 1.30                | 2.88                | 8.30            | 15.88                 | 15.42                | 23.00                      |
| 5230MHz_TnomVnom               | Pass   | 7.12        | 5.21                | 6.12                | 4.55                | 6.27                | 11.60           | 15.88                 | 18.72                | 23.00                      |
| 5755MHz_TnomVnom               | Pass   | 8.12        | 8.31                | 6.52                | 8.48                | 5.52                | 13.38           | 27.88                 | 21.50                | 36.00                      |
| 5795MHz_TnomVnom               | Pass   | 8.12        | 8.19                | 6.62                | 8.62                | 6.02                | 13.49           | 27.88                 | 21.61                | 36.00                      |
| 802.11ac_VHT80_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5210MHz_TnomVnom               | Pass   | 7.12        | 2.26                | 2.26                | 2.47                | 2.55                | 8.38            | 15.88                 | 15.50                | 23.00                      |
| 5775MHz_TnomVnom               | Pass   | 8.12        | 2.51                | 5.59                | 1.21                | 5.93                | 10.25           | 27.88                 | 18.37                | 36.00                      |
| 802.11ax_HEW20_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5180MHz_TnomVnom               | Pass   | 7.12        | 9.66                | 10.15               | 8.89                | 10.32               | 15.80           | 15.88                 | 22.92                | 23.00                      |
| 5200MHz_TnomVnom               | Pass   | 7.12        | 9.25                | 10.07               | 9.85                | 9.48                | 15.69           | 15.88                 | 22.81                | 23.00                      |
| 5240MHz_TnomVnom               | Pass   | 7.12        | 9.84                | 10.10               | 9.23                | 9.61                | 15.70           | 15.88                 | 22.82                | 23.00                      |
| 5745MHz_TnomVnom               | Pass   | 8.12        | 9.32                | 11.32               | 8.61                | 10.11               | 15.96           | 27.88                 | 24.08                | 36.00                      |
| 5785MHz_TnomVnom               | Pass   | 8.12        | 10.78               | 10.64               | 7.41                | 11.44               | 16.32           | 27.88                 | 24.44                | 36.00                      |
| 5825MHz_TnomVnom               | Pass   | 8.12        | 11.24               | 11.17               | 9.29                | 8.90                | 16.29           | 27.88                 | 24.41                | 36.00                      |
| 802.11ax_HEW40_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5190MHz_TnomVnom               | Pass   | 7.12        | 3.75                | 4.17                | 2.98                | 3.38                | 9.60            | 15.88                 | 16.72                | 23.00                      |
| 5230MHz_TnomVnom               | Pass   | 7.12        | 8.37                | 8.77                | 8.86                | 8.53                | 14.64           | 15.88                 | 21.76                | 23.00                      |
| 5755MHz_TnomVnom               | Pass   | 8.12        | 8.75                | 7.93                | 4.41                | 8.89                | 13.83           | 27.88                 | 21.95                | 36.00                      |
| 5795MHz_TnomVnom               | Pass   | 8.12        | 5.32                | 9.16                | 8.56                | 7.13                | 13.80           | 27.88                 | 21.92                | 36.00                      |
| 802.11ax_HEW80_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                          |
| 5210MHz_TnomVnom               | Pass   | 7.12        | 1.22                | 0.89                | 1.60                | 1.46                | 7.31            | 15.88                 | 14.43                | 23.00                      |
| 5775MHz_TnomVnom               | Pass   | 8.12        | 5.56                | 4.57                | 1.59                | 6.02                | 10.75           | 27.88                 | 18.87                | 36.00                      |

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

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

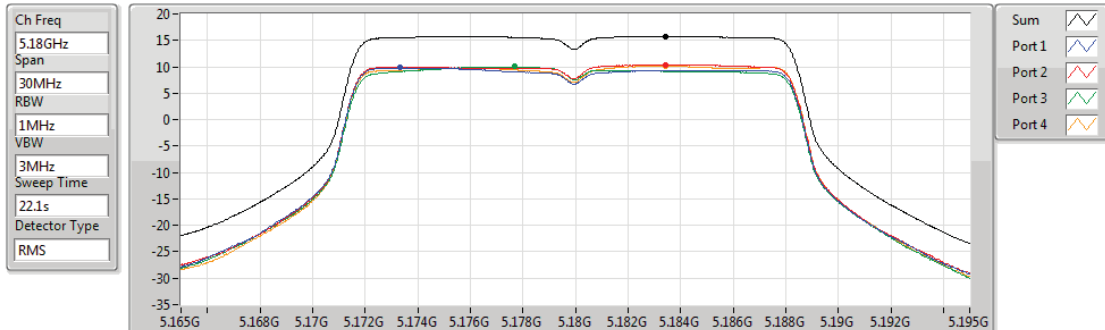


### 802.11a\_Nss1,(6Mbps)\_4TX

### PSD

5180MHz

20/08/2018



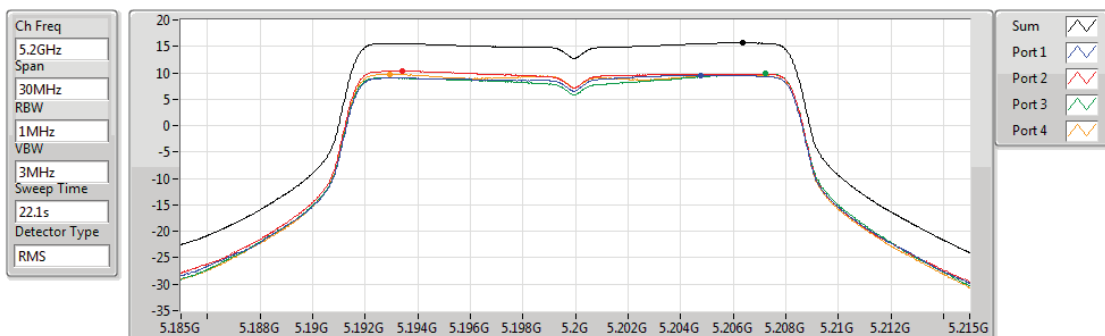
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 15.81     | 15.81     | 9.81      | 10.40     | 10.03     | 10.20     |

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

### PSD

5200MHz

20/08/2018



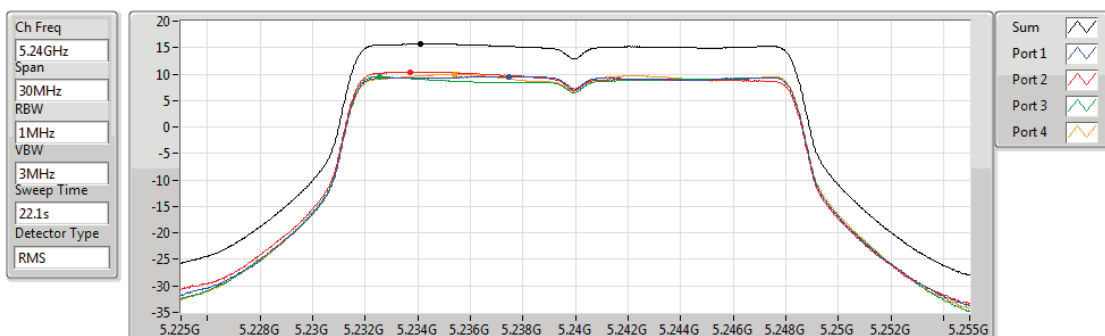
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 15.67     | 15.67     | 9.58      | 10.30     | 9.80      | 9.72      |

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

### PSD

5240MHz

20/08/2018



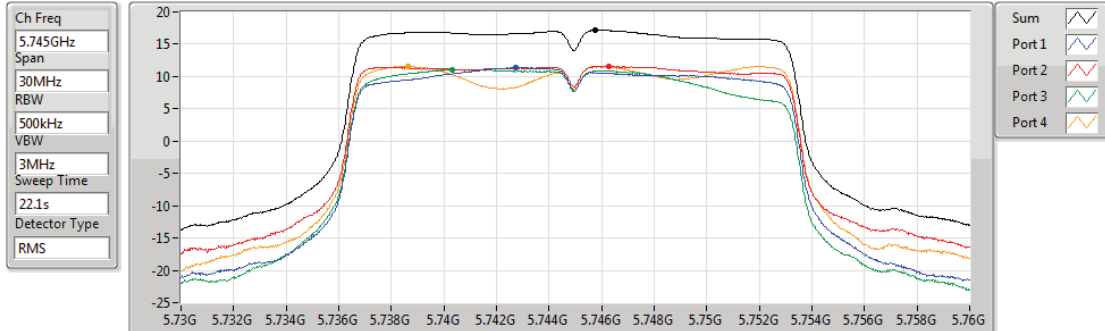
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 15.65     | 15.65     | 9.56      | 10.42     | 9.48      | 9.95      |

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

### PSD

5745MHz

20/08/2018



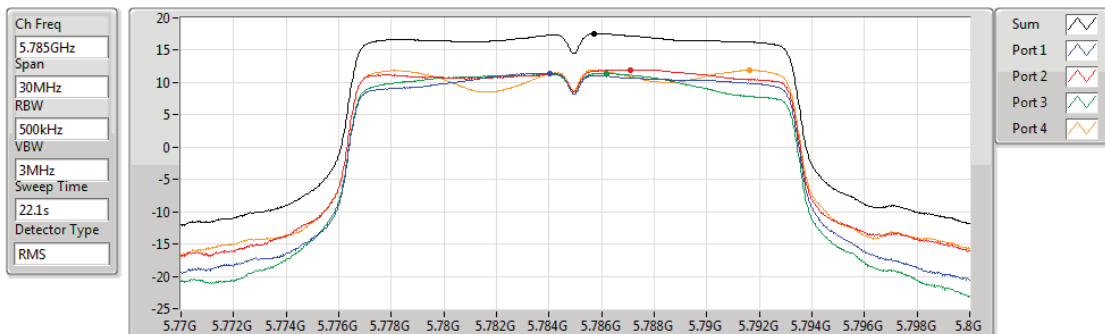
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 17.15     | 17.15     | 11.42     | 11.53     | 11.00     | 11.58     |

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

### PSD

5785MHz

20/08/2018



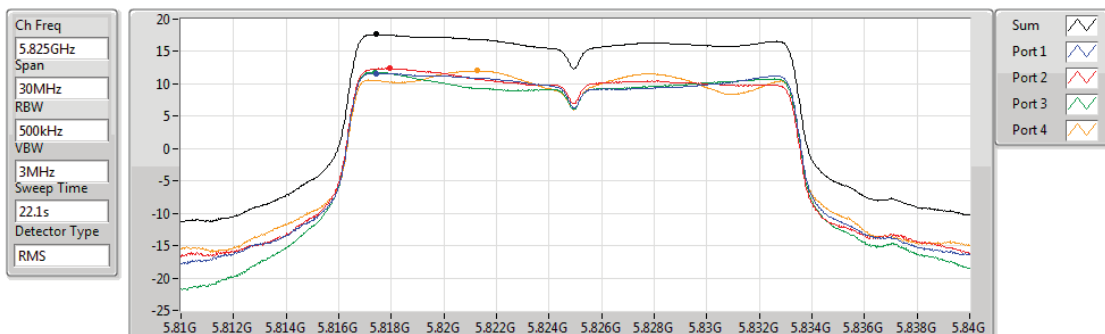
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 17.56     | 17.56     | 11.43     | 12.00     | 11.36     | 11.92     |

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

### PSD

5825MHz

20/08/2018



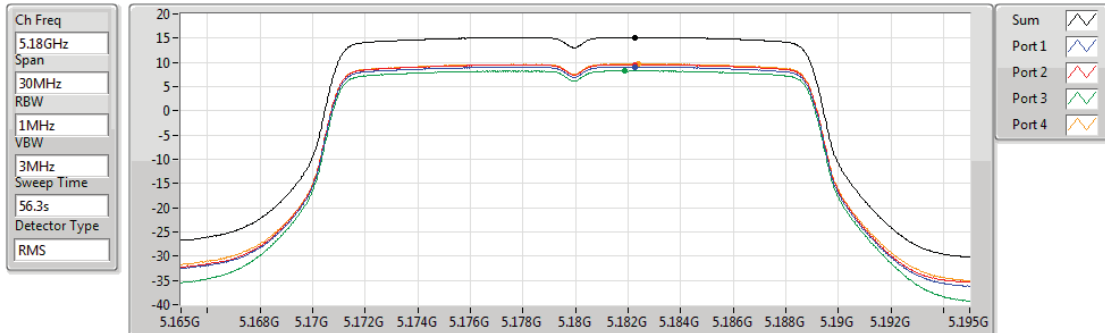
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 17.63     | 17.63     | 11.65     | 12.39     | 11.80     | 12.01     |

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

### PSD

5180MHz

20/08/2018



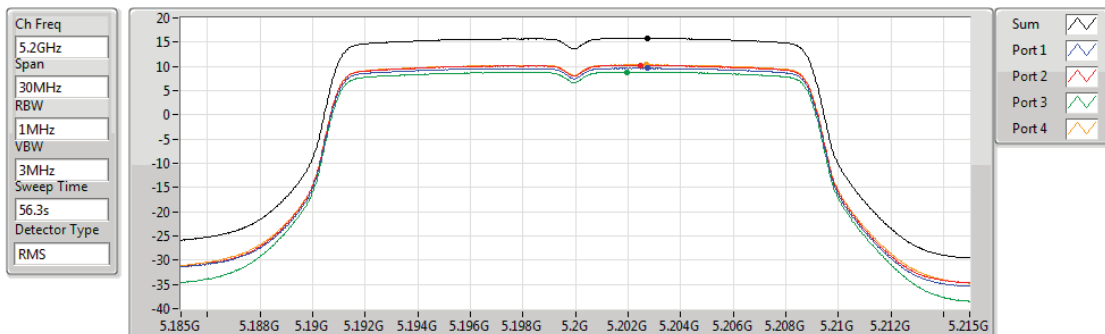
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 15.17     | 15.17     | 9.03      | 9.50      | 8.28      | 9.68      |

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

### PSD

5200MHz

20/08/2018



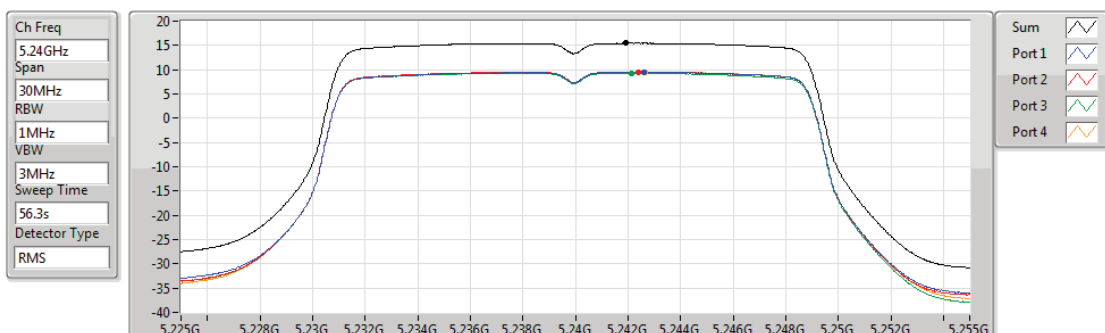
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 15.79     | 15.79     | 9.62      | 10.19     | 8.82      | 10.32     |

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

### PSD

5240MHz

20/08/2018



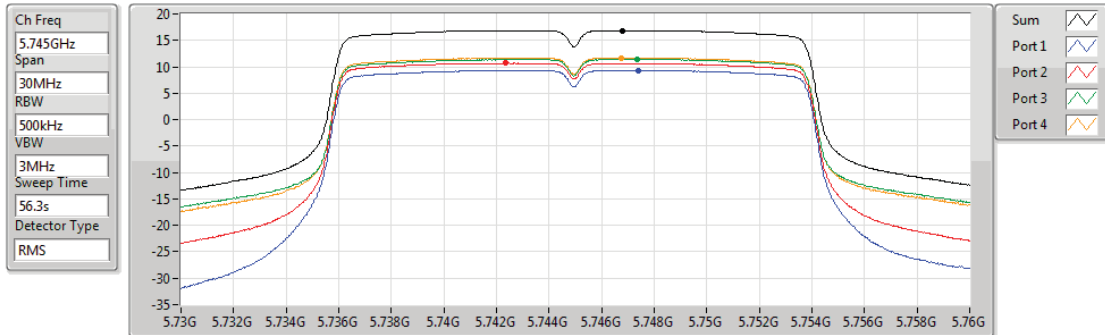
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 15.44     | 15.44     | 9.48      | 9.50      | 9.26      | 9.52      |

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

5745MHz

PSD

20/08/2018



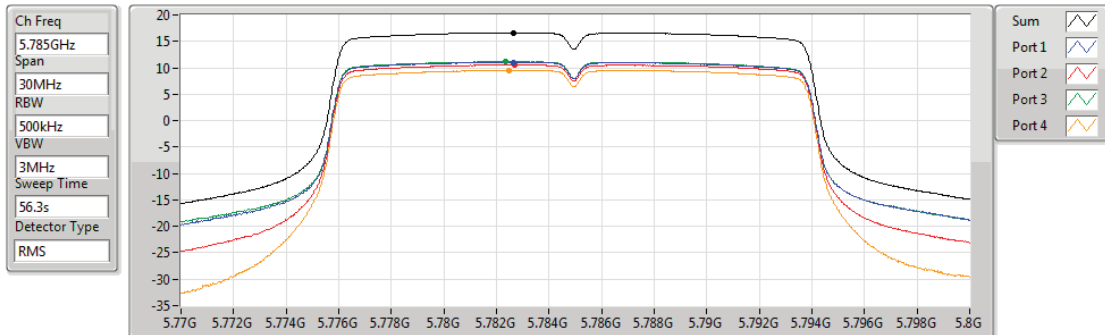
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 16.87     | 16.87     | 9.32      | 10.67     | 11.43     | 11.69     |

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

5785MHz

PSD

20/08/2018



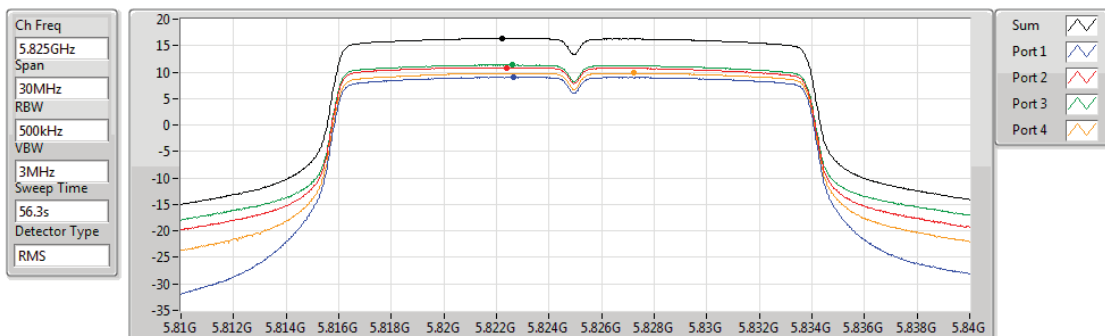
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 16.61     | 16.61     | 11.04     | 10.52     | 11.14     | 9.52      |

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

5825MHz

PSD

20/08/2018



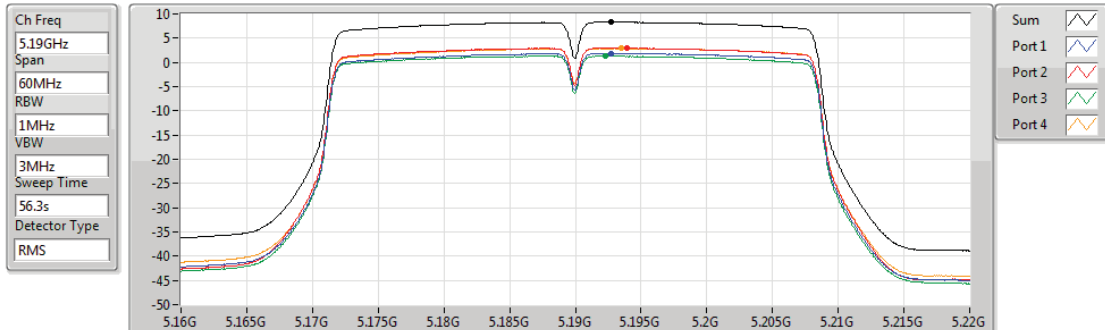
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 16.35     | 16.35     | 9.03      | 10.86     | 11.33     | 9.81      |

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

PSD

5190MHz

20/08/2018



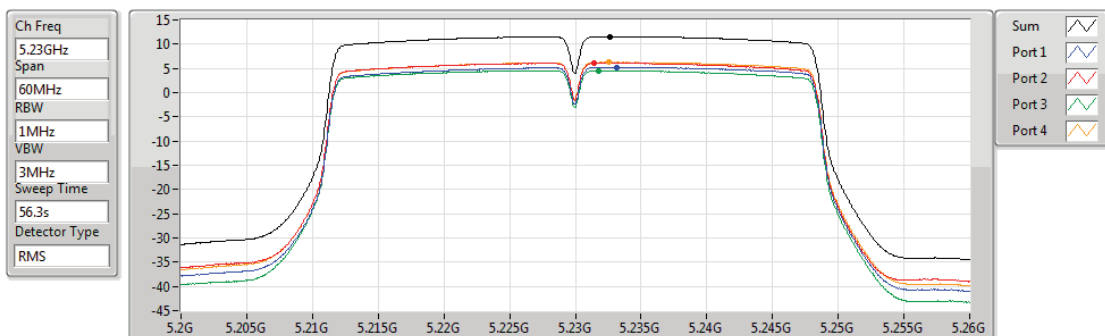
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.30      | 8.30      | 1.84      | 2.95      | 1.30      | 2.88      |

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

PSD

5230MHz

20/08/2018



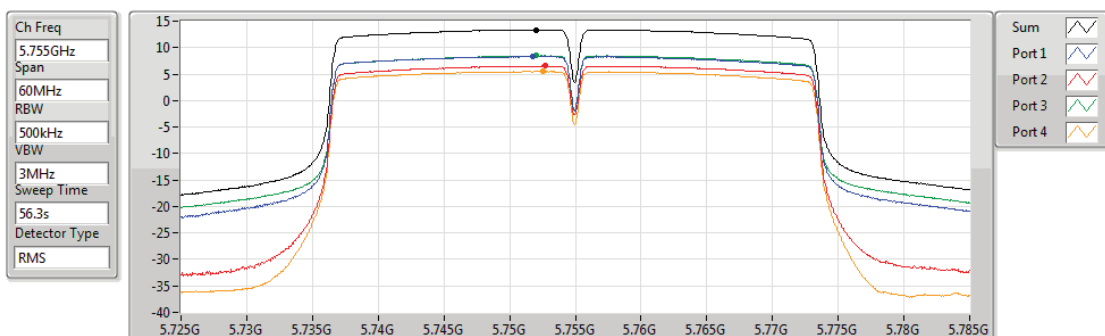
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.60     | 11.60     | 5.21      | 6.12      | 4.55      | 6.27      |

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

PSD

5755MHz

20/08/2018



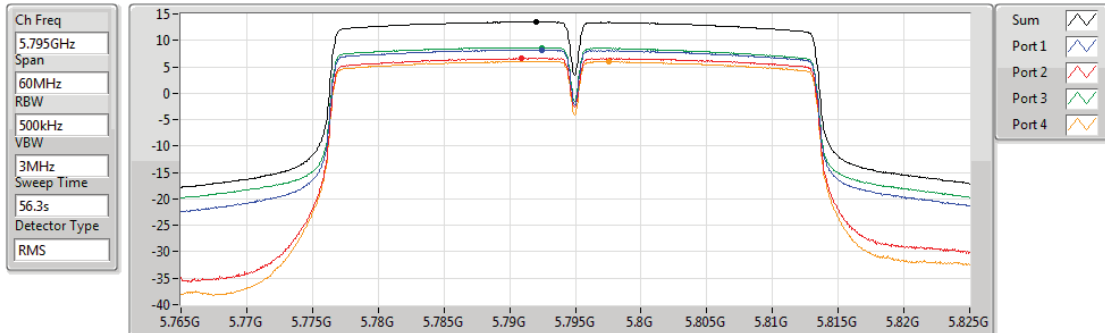
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.38     | 13.38     | 8.31      | 6.52      | 8.48      | 5.52      |

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

PSD

5795MHz

20/08/2018



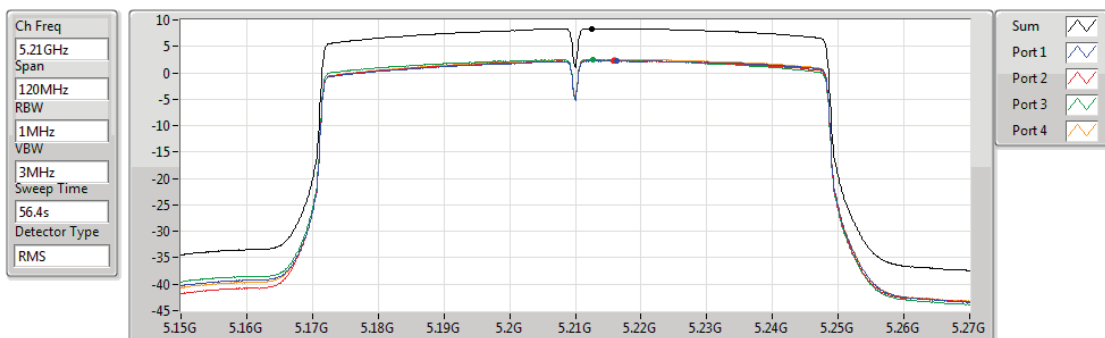
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.49     | 13.49     | 8.19      | 6.62      | 8.62      | 6.02      |

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

PSD

5210MHz

20/08/2018



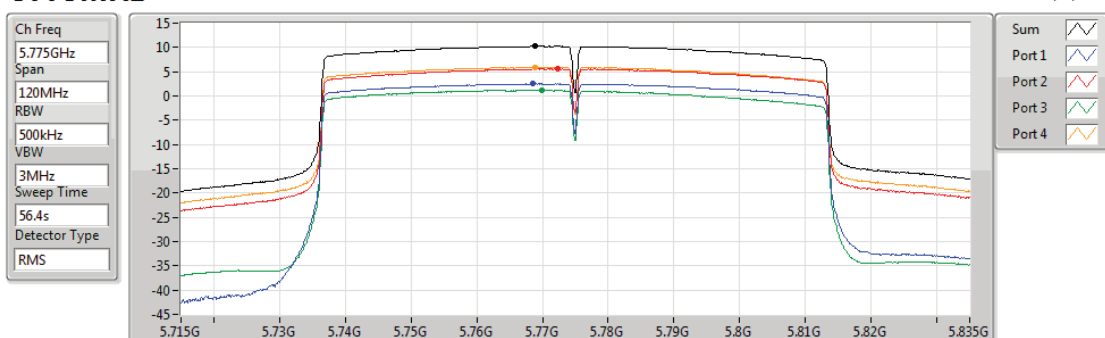
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.38      | 8.38      | 2.26      | 2.26      | 2.47      | 2.55      |

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

PSD

5775MHz

20/08/2018



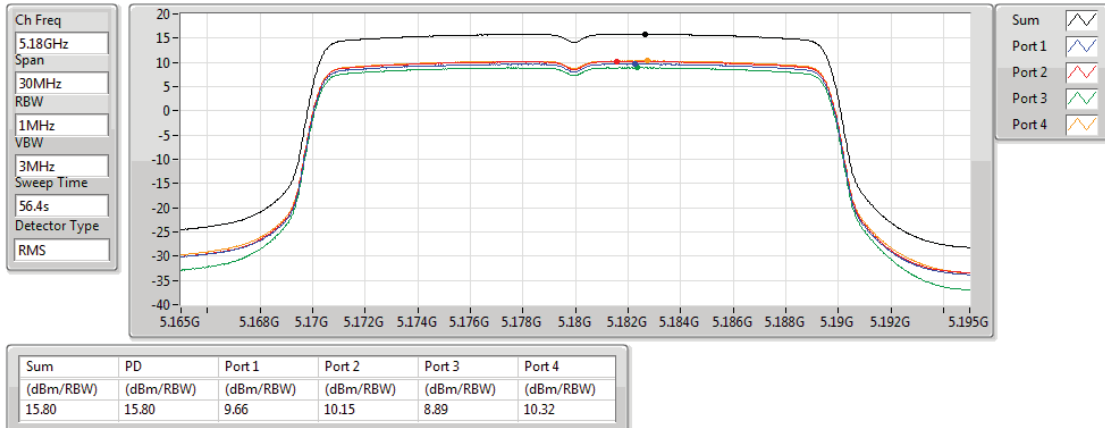
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.25     | 10.25     | 2.51      | 5.59      | 1.21      | 5.93      |

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

### PSD

5180MHz

20/08/2018

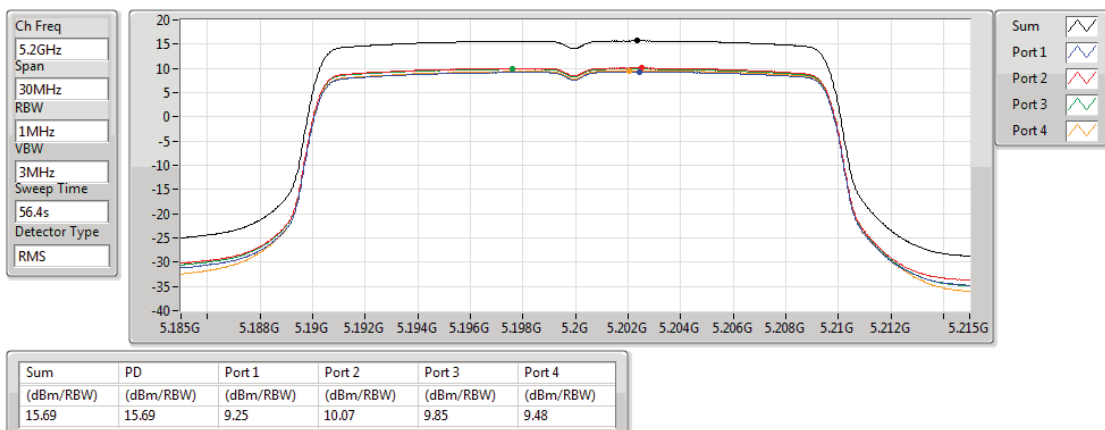


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5200MHz

20/08/2018

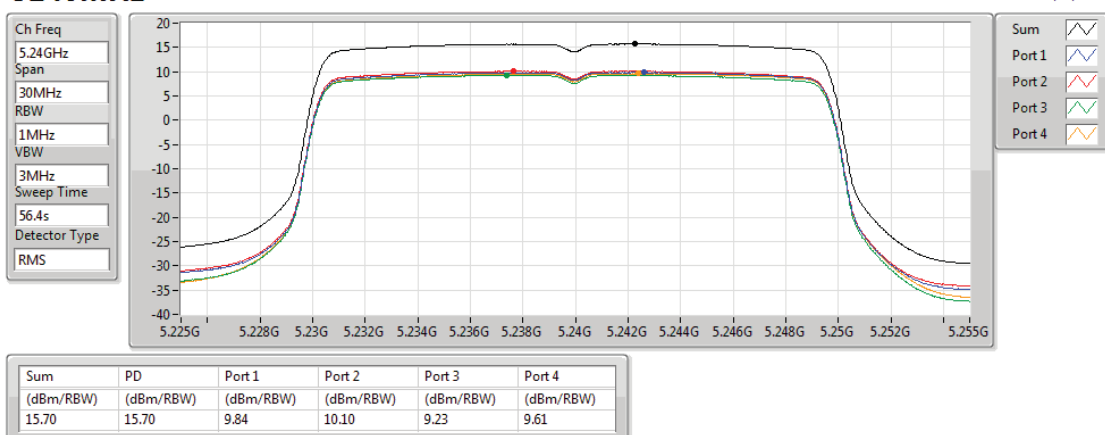


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

### PSD

5240MHz

20/08/2018

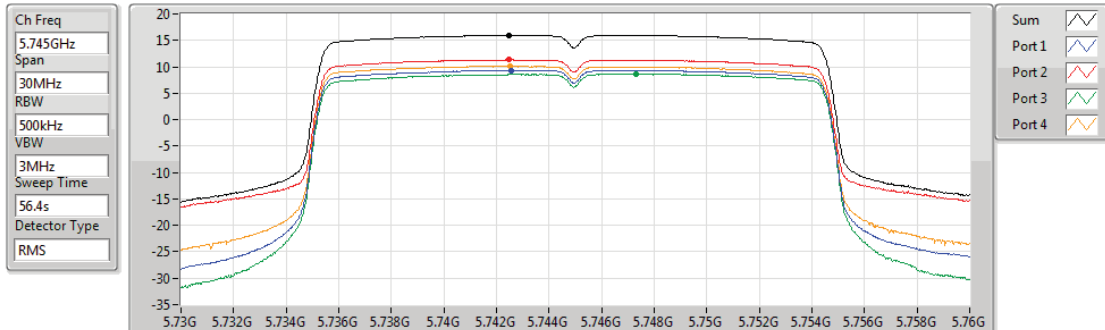


### 802.11ax HEW20\_Nss1,(MCS0)\_4TX

5745MHz

PSD

20/08/2018



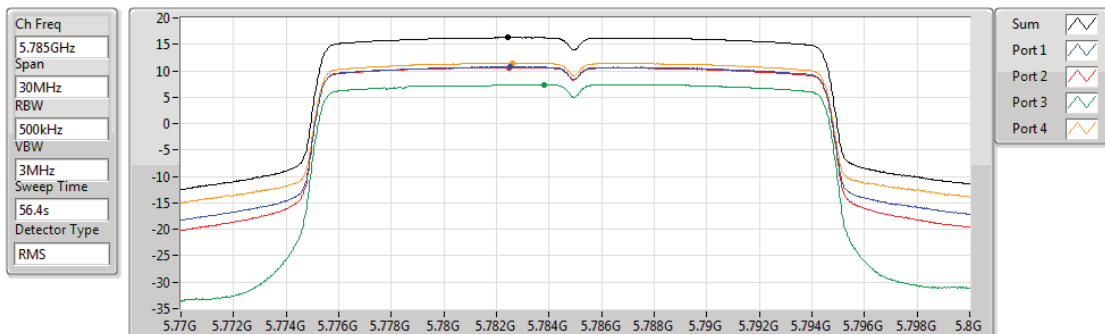
| Sum          | PD           | Port 1       | Port 2       | Port 3       | Port 4       |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 15.96        | 15.96        | 9.32         | 11.32        | 8.61         | 10.11        |

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

5785MHz

PSD

20/08/2018



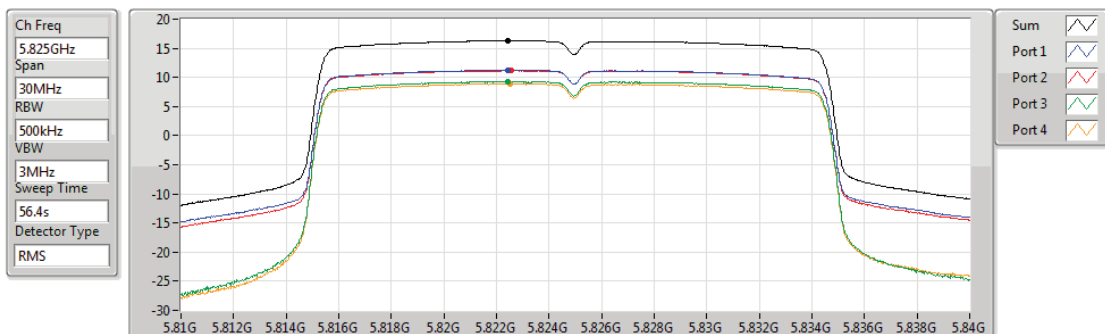
| Sum          | PD           | Port 1       | Port 2       | Port 3       | Port 4       |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 16.32        | 16.32        | 10.78        | 10.64        | 7.41         | 11.44        |

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

5825MHz

PSD

20/08/2018



| Sum          | PD           | Port 1       | Port 2       | Port 3       | Port 4       |
|--------------|--------------|--------------|--------------|--------------|--------------|
| (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) | (dBm/100kHz) |
| 16.29        | 16.29        | 11.24        | 11.17        | 9.29         | 8.90         |

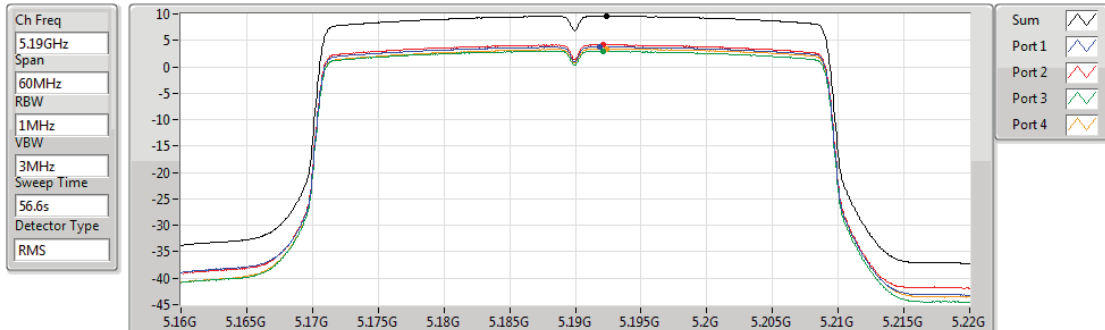


### 802.11ax HEW40\_Nss1,(MCS0)\_4TX

### PSD

5190MHz

20/08/2018



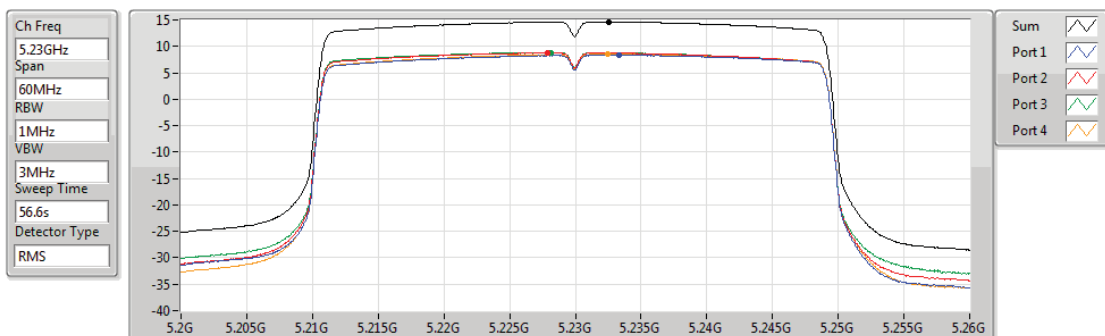
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.60      | 9.60      | 3.75      | 4.17      | 2.98      | 3.38      |

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

### PSD

5230MHz

20/08/2018



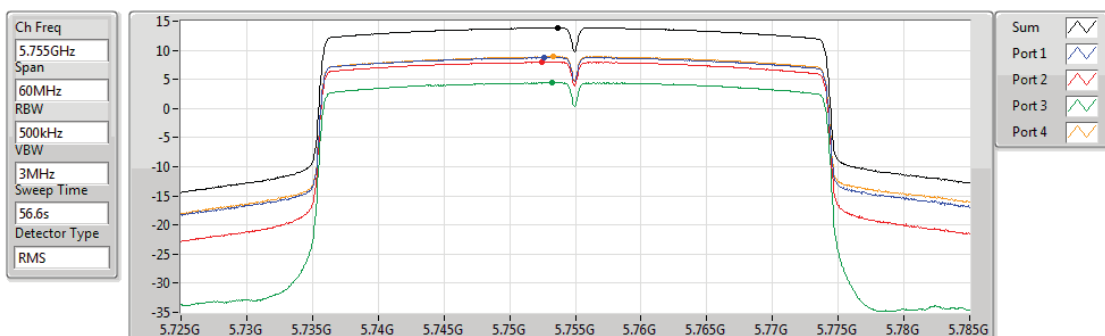
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 14.64     | 14.64     | 8.37      | 8.77      | 8.86      | 8.53      |

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

### PSD

5755MHz

20/08/2018



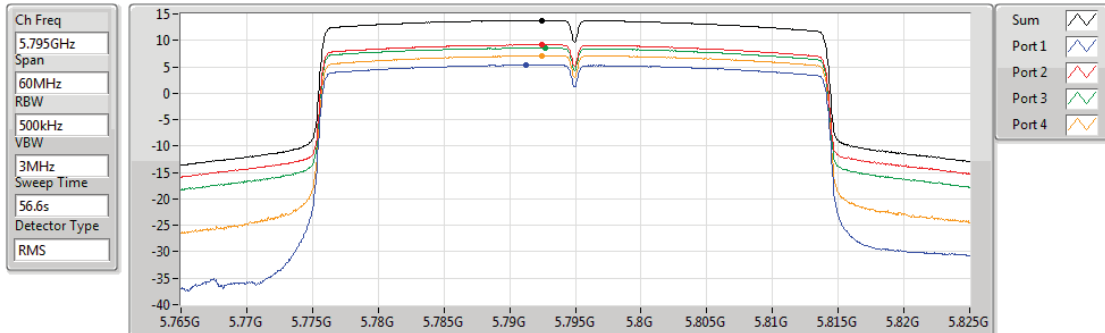
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.83     | 13.83     | 8.75      | 7.93      | 4.41      | 8.89      |

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

PSD

5795MHz

20/08/2018



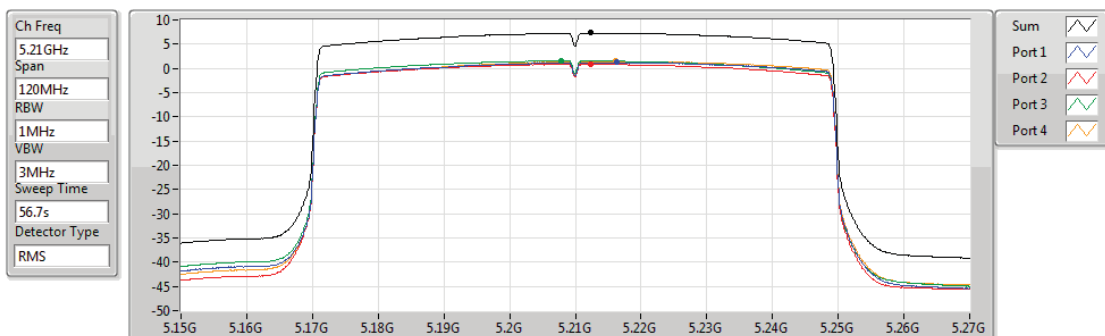
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.80     | 13.80     | 5.32      | 9.16      | 8.56      | 7.13      |

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

PSD

5210MHz

20/08/2018



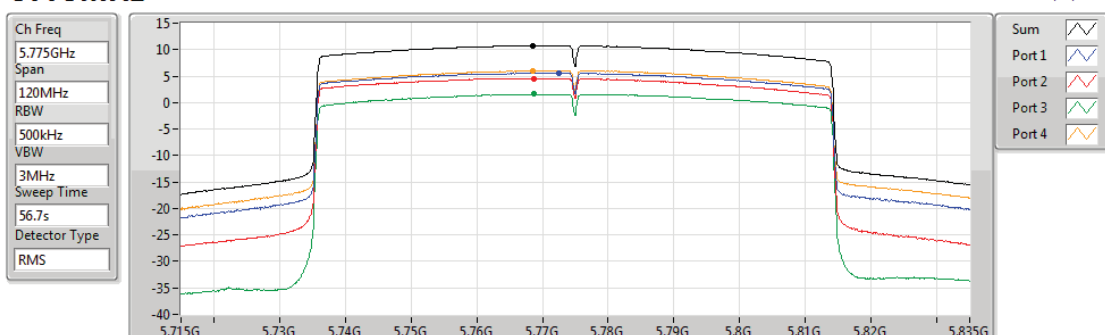
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.31      | 7.31      | 1.22      | 0.89      | 1.60      | 1.46      |

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

PSD

5775MHz

20/08/2018



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.75     | 10.75     | 5.56      | 4.57      | 1.59      | 6.02      |



Summary

| Mode                              | PD<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) |
|-----------------------------------|-----------------|----------------------|
| 5.15-5.25GHz                      | -               | -                    |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 14.61           | 21.73                |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 11.57           | 18.69                |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 5.44            | 12.56                |
| 5.725-5.85GHz                     | -               | -                    |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 14.23           | 22.35                |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 11.58           | 19.70                |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 6.35            | 14.47                |

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



Result

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm/RBW) | Port 2<br>(dBm/RBW) | Port 3<br>(dBm/RBW) | Port 4<br>(dBm/RBW) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) | EIRP PD<br>(dBm/RBW) | EIRP PD<br>Limit<br>(dBm/RBW) |
|-----------------------------------|--------|-------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------------|----------------------|-------------------------------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                             |
| 5180MHz_TnomVnom                  | Pass   | 7.12        | 7.82                | 8.00                | 8.66                | 7.83                | 14.05           | 15.88                 | 21.17                | 23.00                         |
| 5200MHz_TnomVnom                  | Pass   | 7.12        | 8.22                | 8.45                | 8.74                | 9.02                | 14.61           | 15.88                 | 21.73                | 23.00                         |
| 5240MHz_TnomVnom                  | Pass   | 7.12        | 8.12                | 8.41                | 7.71                | 7.98                | 14.07           | 15.88                 | 21.19                | 23.00                         |
| 5745MHz_TnomVnom                  | Pass   | 8.12        | 8.38                | 7.85                | 8.02                | 8.62                | 14.23           | 27.88                 | 22.35                | 36.00                         |
| 5785MHz_TnomVnom                  | Pass   | 8.12        | 4.97                | 5.55                | 3.39                | 7.73                | 11.68           | 27.88                 | 19.80                | 36.00                         |
| 5825MHz_TnomVnom                  | Pass   | 8.12        | 4.48                | 3.55                | 4.87                | 4.95                | 10.45           | 27.88                 | 18.57                | 36.00                         |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                             |
| 5190MHz_TnomVnom                  | Pass   | 7.12        | 4.52                | 1.50                | 1.24                | 6.28                | 9.22            | 15.88                 | 16.34                | 23.00                         |
| 5230MHz_TnomVnom                  | Pass   | 7.12        | 5.15                | 5.67                | 5.63                | 5.88                | 11.57           | 15.88                 | 18.69                | 23.00                         |
| 5755MHz_TnomVnom                  | Pass   | 8.12        | 2.56                | 2.51                | 6.00                | 5.90                | 10.46           | 27.88                 | 18.58                | 36.00                         |
| 5795MHz_TnomVnom                  | Pass   | 8.12        | 3.41                | 7.46                | 1.84                | 7.27                | 11.58           | 27.88                 | 19.70                | 36.00                         |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | -      | -           | -                   | -                   | -                   | -                   | -               | -                     | -                    | -                             |
| 5210MHz_TnomVnom                  | Pass   | 7.12        | -1.42               | -0.28               | 0.40                | -1.11               | 5.44            | 15.88                 | 12.56                | 23.00                         |
| 5775MHz_TnomVnom                  | Pass   | 8.12        | 0.54                | 0.09                | 0.42                | 0.49                | 6.35            | 27.88                 | 14.47                | 36.00                         |

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

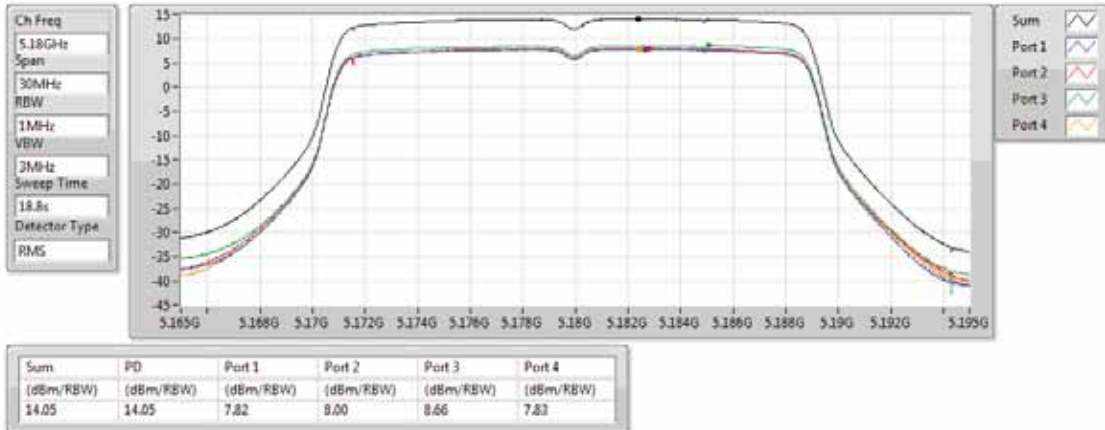
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port Xpower density;

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

PSD

5180MHz

21/08/2018

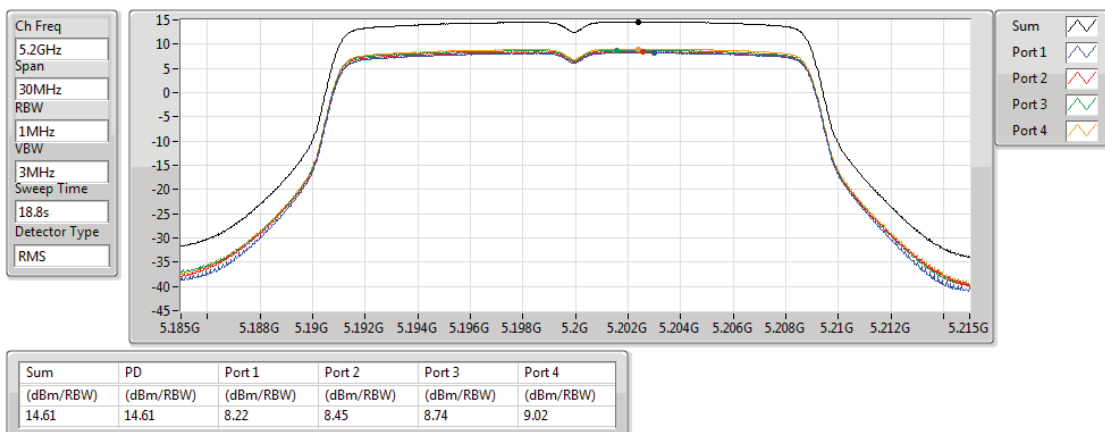


### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

PSD

5200MHz

21/08/2018

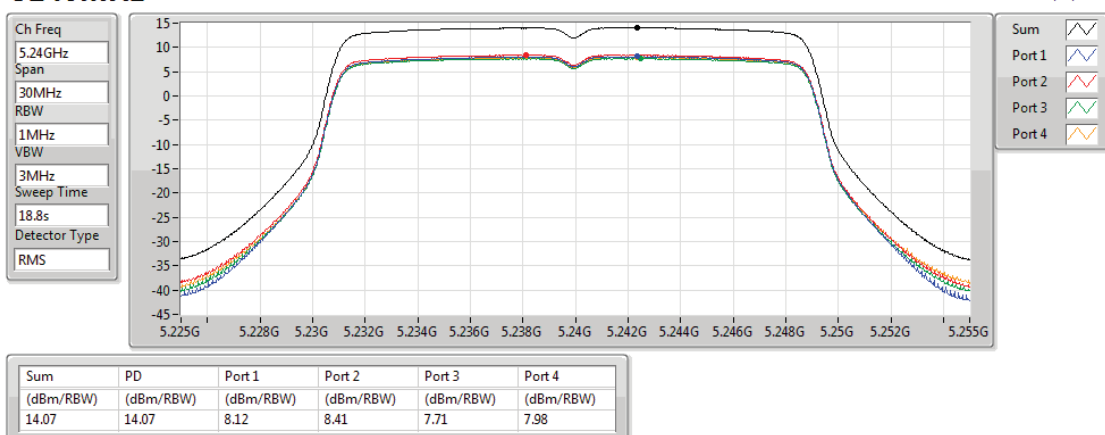


### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

PSD

5240MHz

21/08/2018

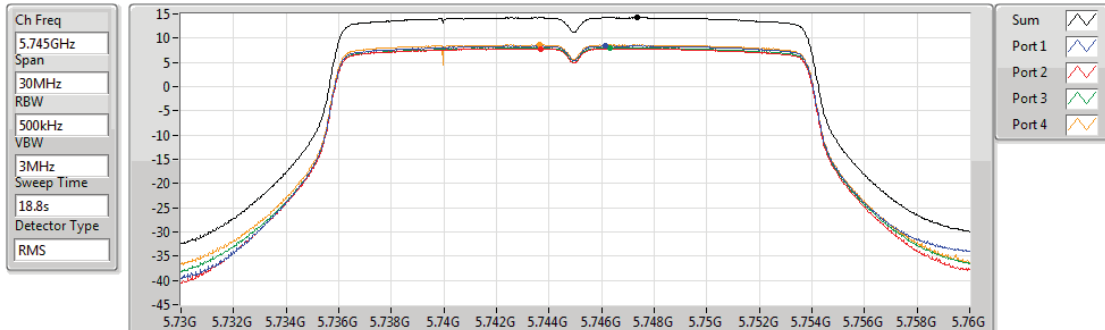


### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

PSD

5745MHz

21/08/2018



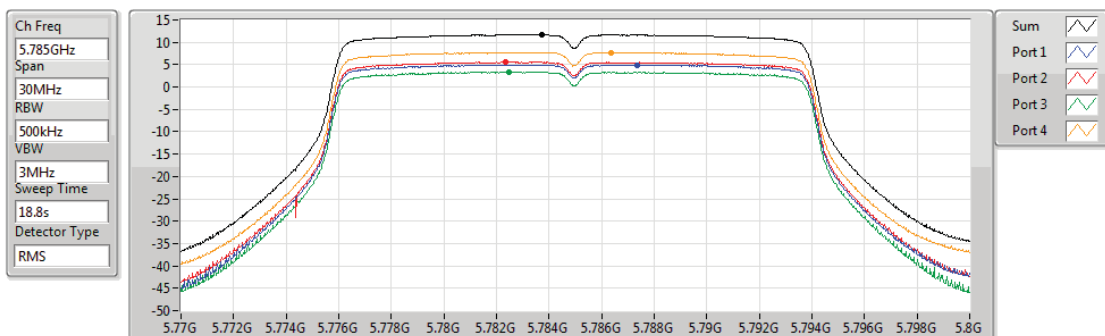
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 14.23     | 14.23     | 8.38      | 7.85      | 8.02      | 8.62      |

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

PSD

5785MHz

21/08/2018



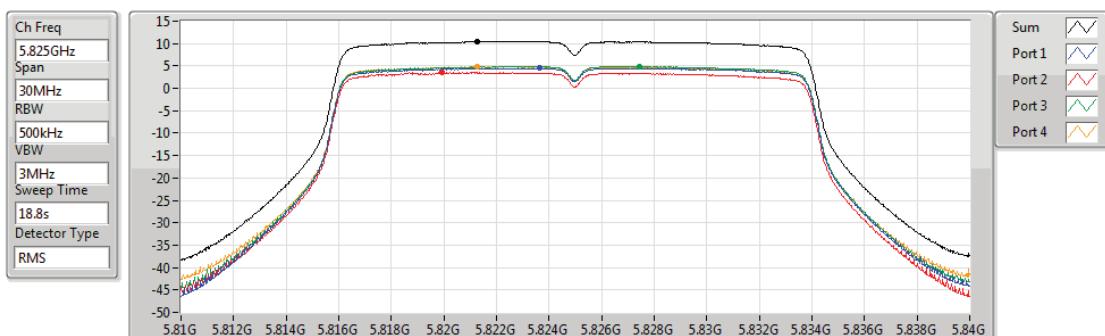
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.68     | 11.68     | 4.97      | 5.55      | 3.39      | 7.73      |

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

PSD

5825MHz

21/08/2018



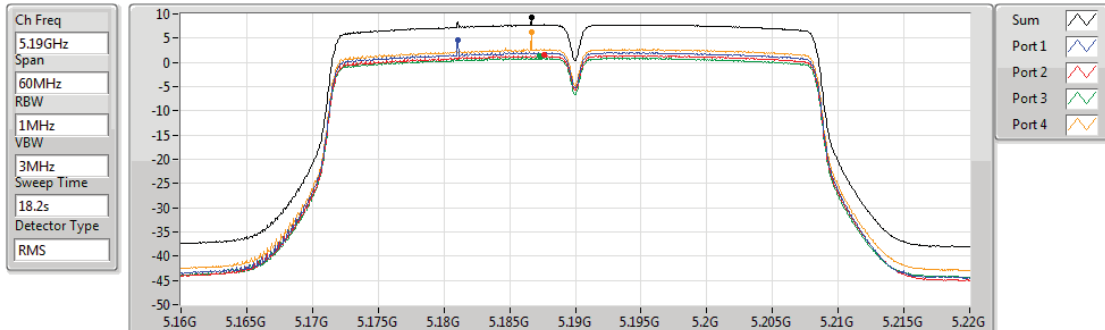
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.45     | 10.45     | 4.48      | 3.55      | 4.87      | 4.95      |

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

PSD

5190MHz

21/08/2018



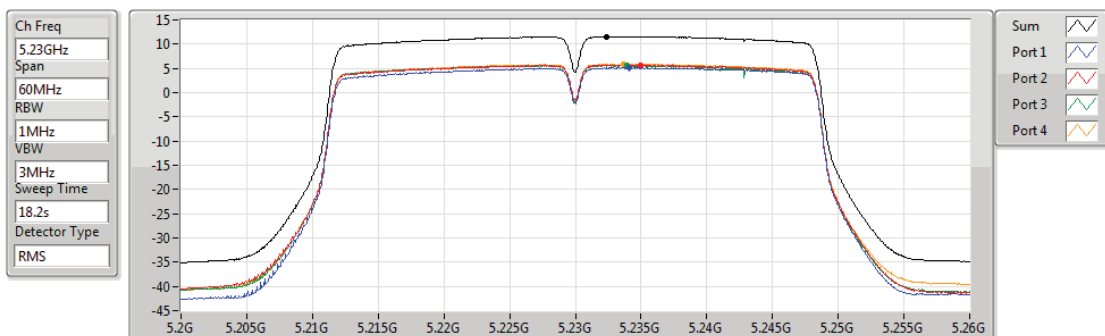
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 9.22     | 9.22     | 4.52     | 1.50     | 1.24     | 6.28     |

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

PSD

5230MHz

21/08/2018



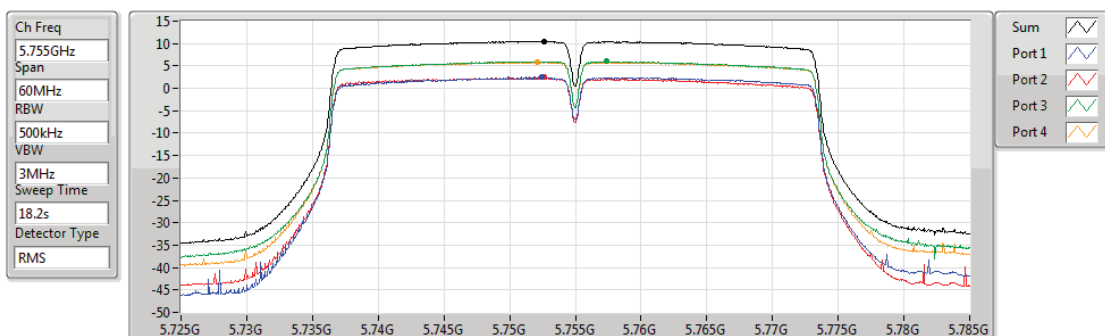
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 11.57    | 11.57    | 5.15     | 5.67     | 5.63     | 5.88     |

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

PSD

5755MHz

21/08/2018



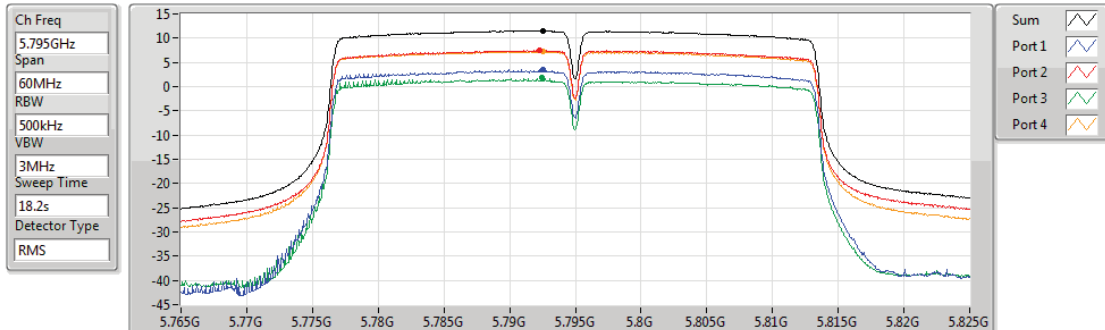
| Sum      | PD       | Port 1   | Port 2   | Port 3   | Port 4   |
|----------|----------|----------|----------|----------|----------|
| (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) | (dBm/Hz) |
| 10.46    | 10.46    | 2.56     | 2.51     | 6.00     | 5.90     |

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

PSD

5795MHz

21/08/2018



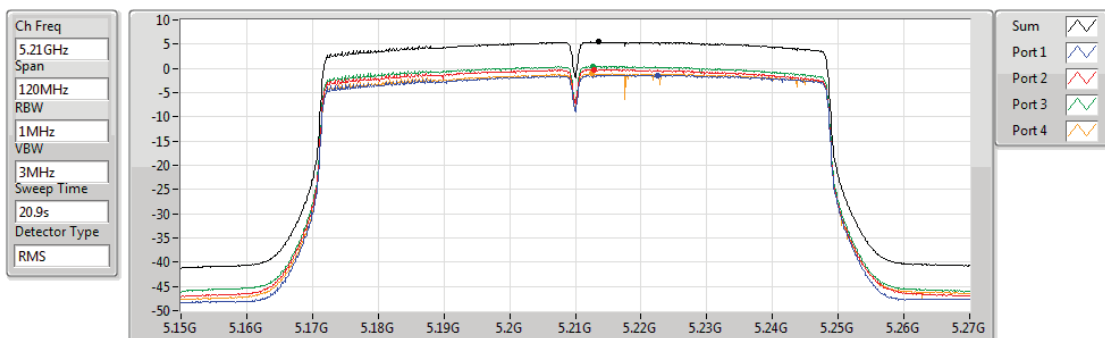
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.58     | 11.58     | 3.41      | 7.46      | 1.84      | 7.27      |

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

PSD

5210MHz

21/08/2018



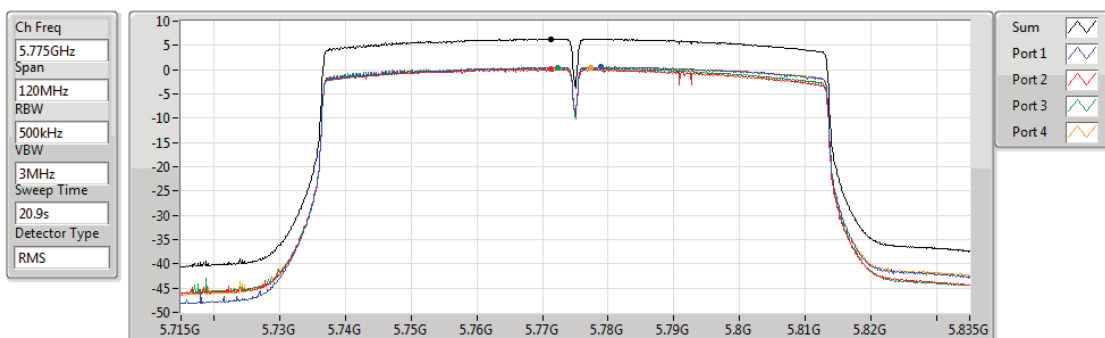
| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.44      | 5.44      | -1.42     | -0.28     | 0.40      | -1.11     |

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

PSD

5775MHz

21/08/2018



| Sum       | PD        | Port 1    | Port 2    | Port 3    | Port 4    |
|-----------|-----------|-----------|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.35      | 6.35      | 0.54      | 0.09      | 0.42      | 0.49      |





**Summary**

| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 5.725-5.85GHz                  | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 802.11ax HEW80_Nss1.(MCS0)_4TX | Pass   | PK   | 208.48M      | 40.30             | 43.50             | -3.20          | -20.97         | 3           | Horizontal | 360            | 1.00          | -        |

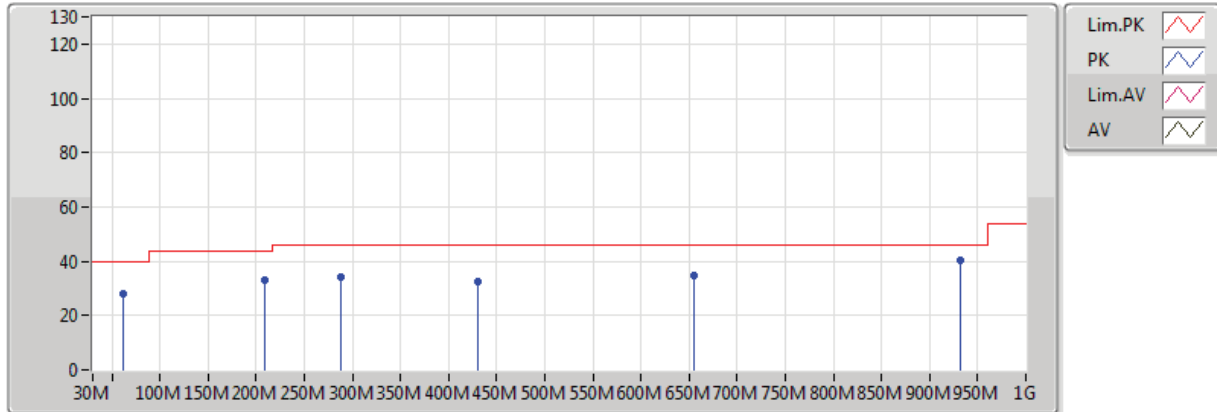
**Result**

| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5775MHz                        | Pass   | PK   | 61.04M       | 28.14             | 40.00             | -11.86         | -25.64         | 3           | Vertical   | 0              | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 208.48M      | 33.02             | 43.50             | -10.48         | -20.97         | 3           | Vertical   | 0              | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 288.02M      | 34.06             | 46.00             | -11.94         | -16.93         | 3           | Vertical   | 0              | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 429.64M      | 32.47             | 46.00             | -13.53         | -13.12         | 3           | Vertical   | 0              | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 654.68M      | 34.90             | 46.00             | -11.10         | -9.98          | 3           | Vertical   | 0              | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 932.1M       | 40.53             | 46.00             | -5.47          | -5.58          | 3           | Vertical   | 0              | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 103.72M      | 25.34             | 43.50             | -18.16         | -20.67         | 3           | Horizontal | 360            | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 208.48M      | 40.30             | 43.50             | -3.20          | -20.97         | 3           | Horizontal | 360            | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 224M         | 36.99             | 46.00             | -9.01          | -20.46         | 3           | Horizontal | 360            | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 340.4M       | 34.38             | 46.00             | -11.62         | -15.73         | 3           | Horizontal | 360            | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 396.66M      | 31.48             | 46.00             | -14.52         | -14.16         | 3           | Horizontal | 360            | 1.00          | -        |
| 5775MHz                        | Pass   | PK   | 652.74M      | 38.05             | 46.00             | -7.95          | -9.97          | 3           | Horizontal | 360            | 1.00          | -        |

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

### 5775MHz\_Adapter

31/08/2018

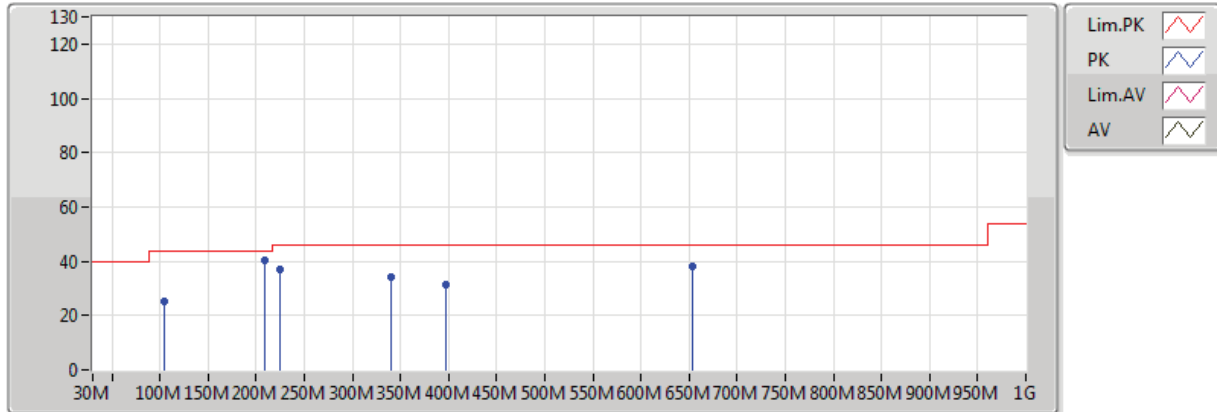


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 61.04M       | 28.14             | 40.00             | -11.86         | -25.64         | 3           | Vertical  | 0              | 1.00          | -        |
| PK   | 208.48M      | 33.02             | 43.50             | -10.48         | -20.97         | 3           | Vertical  | 0              | 1.00          | -        |
| PK   | 288.02M      | 34.06             | 46.00             | -11.94         | -16.93         | 3           | Vertical  | 0              | 1.00          | -        |
| PK   | 429.64M      | 32.47             | 46.00             | -13.53         | -13.12         | 3           | Vertical  | 0              | 1.00          | -        |
| PK   | 654.68M      | 34.90             | 46.00             | -11.10         | -9.98          | 3           | Vertical  | 0              | 1.00          | -        |
| PK   | 932.1M       | 40.53             | 46.00             | -5.47          | -5.58          | 3           | Vertical  | 0              | 1.00          | -        |

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

### 5775MHz\_Adapter

31/08/2018



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 103.72M      | 25.34             | 43.50             | -18.16         | -20.67         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 208.48M      | 40.30             | 43.50             | -3.20          | -20.97         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 224M         | 36.99             | 46.00             | -9.01          | -20.46         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 340.4M       | 34.38             | 46.00             | -11.62         | -15.73         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 396.66M      | 31.48             | 46.00             | -14.52         | -14.16         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 652.74M      | 38.05             | 46.00             | -7.95          | -9.97          | 3           | Horizontal | 360            | 1.00          | -        |



## Summary

| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 5.15-5.25GHz                   | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 802.11a_Nss1,(6Mbps)_4TX       | Pass   | AV   | 5.148G       | 52.93             | 54.00             | -1.07          | 3.68           | 3           | Vertical   | 188            | 1.50          | -        |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | Pass   | AV   | 5.149995G    | 52.94             | 54.00             | -1.06          | 3.68           | 3           | Vertical   | 350            | 1.73          | -        |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | Pass   | AV   | 5.149995G    | 52.92             | 54.00             | -1.08          | 2.74           | 3           | Vertical   | 357            | 2.71          | -        |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | Pass   | AV   | 5.149995G    | 52.63             | 54.00             | -1.37          | 3.68           | 3           | Vertical   | 4              | 1.43          | -        |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | Pass   | AV   | 5.149995G    | 52.70             | 54.00             | -1.30          | 2.74           | 3           | Vertical   | 343            | 2.99          | -        |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | Pass   | AV   | 5.149995G    | 52.51             | 54.00             | -1.49          | 2.74           | 3           | Vertical   | 358            | 1.50          | -        |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | Pass   | AV   | 5.149995G    | 52.89             | 54.00             | -1.11          | 2.74           | 3           | Vertical   | 338            | 2.99          | -        |
| 5.725-5.85GHz                  | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 802.11a_Nss1,(6Mbps)_4TX       | Pass   | AV   | 17.4819G     | 52.58             | 54.00             | -1.42          | 18.58          | 3           | Horizontal | 12             | 2.49          | -        |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | Pass   | PK   | 5.6502G      | 57.14             | 68.35             | -11.21         | 3.44           | 3           | Vertical   | 188            | 1.50          | -        |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | Pass   | PK   | 5.933G       | 57.39             | 68.20             | -10.81         | 4.00           | 3           | Vertical   | 190            | 2.75          | -        |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | Pass   | PK   | 5.6482G      | 66.93             | 68.20             | -1.27          | 3.44           | 3           | Vertical   | 208            | 1.84          | -        |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | Pass   | PK   | 5.653G       | 68.70             | 70.42             | -1.72          | 3.44           | 3           | Vertical   | 198            | 1.79          | -        |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | Pass   | PK   | 5.6502G      | 67.29             | 68.35             | -1.06          | 3.44           | 3           | Vertical   | 258            | 1.55          | -        |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | Pass   | PK   | 5.6454G      | 66.32             | 68.20             | -1.88          | 3.43           | 3           | Vertical   | 310            | 1.50          | -        |



## Result

| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 802.11a_Nss1,(6Mbps)_4TX       | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5180MHz                        | Pass   | AV   | 5.1412G      | 52.69             | 54.00             | -1.31          | 2.73           | 3           | Vertical   | 218            | 1.50          | -        |
| 5180MHz                        | Pass   | AV   | 5.1818G      | 111.94            | Inf               | -Inf           | 2.78           | 3           | Vertical   | 218            | 1.50          | -        |
| 5180MHz                        | Pass   | PK   | 5.1426G      | 71.34             | 74.00             | -2.66          | 2.74           | 3           | Vertical   | 218            | 1.50          | -        |
| 5180MHz                        | Pass   | PK   | 5.1814G      | 122.18            | Inf               | -Inf           | 2.78           | 3           | Vertical   | 218            | 1.50          | -        |
| 5180MHz                        | Pass   | AV   | 5.1486G      | 51.63             | 54.00             | -2.37          | 3.68           | 3           | Horizontal | 179            | 1.11          | -        |
| 5180MHz                        | Pass   | AV   | 5.1874G      | 105.78            | Inf               | -Inf           | 3.75           | 3           | Horizontal | 179            | 1.11          | -        |
| 5180MHz                        | Pass   | PK   | 5.1476G      | 69.82             | 74.00             | -4.18          | 3.68           | 3           | Horizontal | 179            | 1.11          | -        |
| 5180MHz                        | Pass   | PK   | 5.1872G      | 115.55            | Inf               | -Inf           | 3.75           | 3           | Horizontal | 179            | 1.11          | -        |
| 5180MHz                        | Pass   | AV   | 10.36036G    | 37.87             | 54.00             | -16.13         | 12.64          | 3           | Vertical   | 41             | 2.42          | -        |
| 5180MHz                        | Pass   | PK   | 10.3566G     | 50.63             | 74.00             | -23.37         | 12.63          | 3           | Vertical   | 41             | 2.42          | -        |
| 5180MHz                        | Pass   | AV   | 10.35526G    | 38.07             | 54.00             | -15.93         | 12.62          | 3           | Horizontal | 96             | 1.53          | -        |
| 5180MHz                        | Pass   | PK   | 10.36002G    | 50.51             | 74.00             | -23.49         | 12.63          | 3           | Horizontal | 96             | 1.53          | -        |
| 5200MHz                        | Pass   | AV   | 5.148G       | 52.93             | 54.00             | -1.07          | 3.68           | 3           | Vertical   | 188            | 1.50          | -        |
| 5200MHz                        | Pass   | AV   | 5.2076G      | 113.10            | Inf               | -Inf           | 3.78           | 3           | Vertical   | 188            | 1.50          | -        |
| 5200MHz                        | Pass   | PK   | 5.1476G      | 70.69             | 74.00             | -3.31          | 3.68           | 3           | Vertical   | 188            | 1.50          | -        |
| 5200MHz                        | Pass   | PK   | 5.2076G      | 122.59            | Inf               | -Inf           | 3.78           | 3           | Vertical   | 188            | 1.50          | -        |
| 5200MHz                        | Pass   | AV   | 5.149995G    | 45.23             | 54.00             | -8.77          | 3.68           | 3           | Horizontal | 167            | 1.46          | -        |
| 5200MHz                        | Pass   | AV   | 5.1976G      | 102.74            | Inf               | -Inf           | 3.77           | 3           | Horizontal | 167            | 1.46          | -        |
| 5200MHz                        | Pass   | PK   | 5.1376G      | 58.73             | 74.00             | -15.27         | 3.66           | 3           | Horizontal | 167            | 1.46          | -        |
| 5200MHz                        | Pass   | PK   | 5.1976G      | 112.76            | Inf               | -Inf           | 3.77           | 3           | Horizontal | 167            | 1.46          | -        |
| 5200MHz                        | Pass   | AV   | 15.60404G    | 43.61             | 54.00             | -10.39         | 13.77          | 3           | Vertical   | 126            | 2.41          | -        |
| 5200MHz                        | Pass   | PK   | 15.59668G    | 56.19             | 74.00             | -17.81         | 13.81          | 3           | Vertical   | 126            | 2.41          | -        |
| 5200MHz                        | Pass   | AV   | 15.59986G    | 45.03             | 54.00             | -8.97          | 13.79          | 3           | Horizontal | 313            | 2.08          | -        |
| 5200MHz                        | Pass   | PK   | 15.59732G    | 58.05             | 74.00             | -15.95         | 13.80          | 3           | Horizontal | 313            | 2.08          | -        |
| 5240MHz                        | Pass   | AV   | 5.138G       | 47.08             | 54.00             | -6.92          | 3.66           | 3           | Vertical   | 344            | 1.99          | -        |
| 5240MHz                        | Pass   | AV   | 5.237G       | 117.17            | Inf               | -Inf           | 3.84           | 3           | Vertical   | 344            | 1.99          | -        |
| 5240MHz                        | Pass   | AV   | 5.3834G      | 45.78             | 54.00             | -8.22          | 4.11           | 3           | Vertical   | 344            | 1.99          | -        |
| 5240MHz                        | Pass   | PK   | 5.1368G      | 62.27             | 74.00             | -11.73         | 3.65           | 3           | Vertical   | 344            | 1.99          | -        |
| 5240MHz                        | Pass   | PK   | 5.2376G      | 126.59            | Inf               | -Inf           | 3.84           | 3           | Vertical   | 344            | 1.99          | -        |
| 5240MHz                        | Pass   | PK   | 5.3564G      | 65.39             | 74.00             | -8.61          | 4.06           | 3           | Vertical   | 344            | 1.99          | -        |
| 5240MHz                        | Pass   | AV   | 5.1476G      | 44.83             | 54.00             | -9.17          | 3.68           | 3           | Horizontal | 177            | 1.10          | -        |
| 5240MHz                        | Pass   | AV   | 5.2448G      | 108.63            | Inf               | -Inf           | 3.86           | 3           | Horizontal | 177            | 1.10          | -        |
| 5240MHz                        | Pass   | AV   | 5.3864G      | 44.22             | 54.00             | -9.78          | 4.11           | 3           | Horizontal | 177            | 1.10          | -        |
| 5240MHz                        | Pass   | PK   | 5.147G       | 58.46             | 74.00             | -15.54         | 3.68           | 3           | Horizontal | 177            | 1.10          | -        |
| 5240MHz                        | Pass   | PK   | 5.2448G      | 118.32            | Inf               | -Inf           | 3.86           | 3           | Horizontal | 177            | 1.10          | -        |
| 5240MHz                        | Pass   | PK   | 5.39G        | 56.74             | 74.00             | -17.26         | 4.12           | 3           | Horizontal | 177            | 1.10          | -        |
| 5240MHz                        | Pass   | AV   | 15.7188G     | 44.52             | 54.00             | -9.48          | 13.22          | 3           | Vertical   | 94             | 1.66          | -        |
| 5240MHz                        | Pass   | PK   | 15.7162G     | 57.62             | 74.00             | -16.38         | 13.23          | 3           | Vertical   | 94             | 1.66          | -        |
| 5240MHz                        | Pass   | AV   | 15.7188G     | 46.74             | 54.00             | -7.26          | 13.22          | 3           | Horizontal | 290            | 1.56          | -        |
| 5240MHz                        | Pass   | PK   | 15.714G      | 59.58             | 74.00             | -14.42         | 13.24          | 3           | Horizontal | 290            | 1.56          | -        |
| 802.11ac_VHT20_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5180MHz                        | Pass   | AV   | 5.149995G    | 52.59             | 54.00             | -1.41          | 2.74           | 3           | Vertical   | 213            | 1.50          | -        |
| 5180MHz                        | Pass   | AV   | 10.385G      | 36.31             | Inf               | -Inf           | 12.69          | 3           | Vertical   | 213            | 1.50          | -        |
| 5180MHz                        | Pass   | PK   | 5.1496G      | 67.04             | 74.00             | -6.96          | 2.74           | 3           | Vertical   | 213            | 1.50          | -        |
| 5180MHz                        | Pass   | PK   | 10.385G      | 36.31             | 68.20             | -31.89         | 12.69          | 3           | Vertical   | 213            | 1.50          | -        |
| 5180MHz                        | Pass   | AV   | 5.1496G      | 46.67             | 54.00             | -7.33          | 3.68           | 3           | Horizontal | 185            | 2.97          | -        |
| 5180MHz                        | Pass   | AV   | 5.1816G      | 100.83            | Inf               | -Inf           | 3.74           | 3           | Horizontal | 185            | 2.97          | -        |



## RSE TX above 1GHz Result\_ Non-Beamforming

## Appendix D.2

| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 5180MHz                        | Pass   | PK   | 5.1476G      | 60.00             | 74.00             | -14.00         | 3.68           | 3           | Horizontal | 185            | 2.97          | -        |
| 5180MHz                        | Pass   | PK   | 5.182G       | 112.31            | Inf               | -Inf           | 3.74           | 3           | Horizontal | 185            | 2.97          | -        |
| 5180MHz                        | Pass   | AV   | 10.36248G    | 37.28             | 54.00             | -16.72         | 12.64          | 3           | Vertical   | 312            | 1.35          | -        |
| 5180MHz                        | Pass   | PK   | 10.3551G     | 50.64             | 74.00             | -23.36         | 12.62          | 3           | Vertical   | 312            | 1.35          | -        |
| 5180MHz                        | Pass   | AV   | 10.35906G    | 37.19             | 54.00             | -16.81         | 12.63          | 3           | Horizontal | 106            | 2.12          | -        |
| 5180MHz                        | Pass   | PK   | 10.36146G    | 50.57             | 74.00             | -23.43         | 12.64          | 3           | Horizontal | 106            | 2.12          | -        |
| 5200MHz                        | Pass   | AV   | 5.149995G    | 52.94             | 54.00             | -1.06          | 3.68           | 3           | Vertical   | 350            | 1.73          | -        |
| 5200MHz                        | Pass   | AV   | 5.204G       | 113.85            | Inf               | -Inf           | 3.78           | 3           | Vertical   | 350            | 1.73          | -        |
| 5200MHz                        | Pass   | PK   | 5.148G       | 68.89             | 74.00             | -5.11          | 3.68           | 3           | Vertical   | 350            | 1.73          | -        |
| 5200MHz                        | Pass   | PK   | 5.204G       | 124.15            | Inf               | -Inf           | 3.78           | 3           | Vertical   | 350            | 1.73          | -        |
| 5200MHz                        | Pass   | AV   | 5.1488G      | 45.65             | 54.00             | -8.35          | 3.68           | 3           | Horizontal | 191            | 2.94          | -        |
| 5200MHz                        | Pass   | AV   | 5.1968G      | 103.88            | Inf               | -Inf           | 3.76           | 3           | Horizontal | 191            | 2.94          | -        |
| 5200MHz                        | Pass   | PK   | 5.1492G      | 59.95             | 74.00             | -14.05         | 3.68           | 3           | Horizontal | 191            | 2.94          | -        |
| 5200MHz                        | Pass   | PK   | 5.202G       | 114.17            | Inf               | -Inf           | 3.77           | 3           | Horizontal | 191            | 2.94          | -        |
| 5200MHz                        | Pass   | AV   | 15.59542G    | 42.23             | 54.00             | -11.77         | 13.81          | 3           | Vertical   | 73             | 2.34          | -        |
| 5200MHz                        | Pass   | PK   | 15.6012G     | 57.52             | 74.00             | -16.48         | 13.78          | 3           | Vertical   | 73             | 2.34          | -        |
| 5200MHz                        | Pass   | AV   | 15.5958G     | 44.40             | 54.00             | -9.60          | 13.81          | 3           | Horizontal | 177            | 2.26          | -        |
| 5200MHz                        | Pass   | PK   | 15.59882G    | 59.61             | 74.00             | -14.39         | 13.80          | 3           | Horizontal | 177            | 2.26          | -        |
| 5240MHz                        | Pass   | AV   | 5.149995G    | 46.84             | 54.00             | -7.16          | 3.68           | 3           | Vertical   | 351            | 2.40          | -        |
| 5240MHz                        | Pass   | AV   | 5.2376G      | 115.67            | Inf               | -Inf           | 3.84           | 3           | Vertical   | 351            | 2.40          | -        |
| 5240MHz                        | Pass   | AV   | 5.3762G      | 45.88             | 54.00             | -8.12          | 4.10           | 3           | Vertical   | 351            | 2.40          | -        |
| 5240MHz                        | Pass   | PK   | 5.149995G    | 61.18             | 74.00             | -12.82         | 3.68           | 3           | Vertical   | 351            | 2.40          | -        |
| 5240MHz                        | Pass   | PK   | 5.2412G      | 126.02            | Inf               | -Inf           | 3.85           | 3           | Vertical   | 351            | 2.40          | -        |
| 5240MHz                        | Pass   | PK   | 5.3732G      | 57.58             | 74.00             | -16.42         | 4.09           | 3           | Vertical   | 351            | 2.40          | -        |
| 5240MHz                        | Pass   | AV   | 5.147G       | 43.89             | 54.00             | -10.11         | 3.68           | 3           | Horizontal | 179            | 1.11          | -        |
| 5240MHz                        | Pass   | AV   | 5.2424G      | 106.08            | Inf               | -Inf           | 3.85           | 3           | Horizontal | 179            | 1.11          | -        |
| 5240MHz                        | Pass   | AV   | 5.3894G      | 43.81             | 54.00             | -10.19         | 4.12           | 3           | Horizontal | 179            | 1.11          | -        |
| 5240MHz                        | Pass   | PK   | 5.1422G      | 57.06             | 74.00             | -16.94         | 3.67           | 3           | Horizontal | 179            | 1.11          | -        |
| 5240MHz                        | Pass   | PK   | 5.2424G      | 117.38            | Inf               | -Inf           | 3.85           | 3           | Horizontal | 179            | 1.11          | -        |
| 5240MHz                        | Pass   | PK   | 5.3732G      | 56.72             | 74.00             | -17.28         | 4.09           | 3           | Horizontal | 179            | 1.11          | -        |
| 5240MHz                        | Pass   | AV   | 15.718G      | 43.58             | 54.00             | -10.42         | 13.22          | 3           | Vertical   | 201            | 1.32          | -        |
| 5240MHz                        | Pass   | PK   | 15.7212G     | 56.27             | 74.00             | -17.73         | 13.21          | 3           | Vertical   | 201            | 1.32          | -        |
| 5240MHz                        | Pass   | AV   | 15.7172G     | 45.83             | 54.00             | -8.17          | 13.23          | 3           | Horizontal | 287            | 2.41          | -        |
| 5240MHz                        | Pass   | PK   | 15.7192G     | 60.77             | 74.00             | -13.23         | 13.22          | 3           | Horizontal | 287            | 2.41          | -        |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5180MHz                        | Pass   | AV   | 5.149995G    | 52.92             | 54.00             | -1.08          | 2.74           | 3           | Vertical   | 357            | 2.71          | -        |
| 5180MHz                        | Pass   | AV   | 5.1832G      | 104.76            | Inf               | -Inf           | 2.78           | 3           | Vertical   | 357            | 2.71          | -        |
| 5180MHz                        | Pass   | PK   | 5.148G       | 67.53             | 74.00             | -6.47          | 2.74           | 3           | Vertical   | 357            | 2.71          | -        |
| 5180MHz                        | Pass   | PK   | 5.1824G      | 120.13            | Inf               | -Inf           | 2.78           | 3           | Vertical   | 357            | 2.71          | -        |
| 5180MHz                        | Pass   | AV   | 5.149995G    | 48.11             | 54.00             | -5.89          | 2.74           | 3           | Horizontal | 231            | 1.93          | -        |
| 5180MHz                        | Pass   | AV   | 5.1814G      | 99.12             | Inf               | -Inf           | 2.78           | 3           | Horizontal | 231            | 1.93          | -        |
| 5180MHz                        | Pass   | PK   | 5.1488G      | 62.71             | 74.00             | -11.29         | 2.74           | 3           | Horizontal | 231            | 1.93          | -        |
| 5180MHz                        | Pass   | PK   | 5.1756G      | 114.35            | Inf               | -Inf           | 2.77           | 3           | Horizontal | 231            | 1.93          | -        |
| 5180MHz                        | Pass   | AV   | 10.36126G    | 35.65             | 54.00             | -18.35         | 12.64          | 3           | Vertical   | 56             | 1.55          | -        |
| 5180MHz                        | Pass   | PK   | 10.36546G    | 49.66             | 74.00             | -24.34         | 12.65          | 3           | Vertical   | 56             | 1.55          | -        |
| 5180MHz                        | Pass   | AV   | 10.36126G    | 35.76             | 54.00             | -18.24         | 12.64          | 3           | Horizontal | 25             | 1.52          | -        |
| 5180MHz                        | Pass   | PK   | 10.34926G    | 49.76             | 74.00             | -24.24         | 12.61          | 3           | Horizontal | 25             | 1.52          | -        |
| 5200MHz                        | Pass   | AV   | 5.149995G    | 52.70             | 54.00             | -1.30          | 2.74           | 3           | Vertical   | 324            | 2.84          | -        |
| 5200MHz                        | Pass   | AV   | 5.198G       | 111.47            | Inf               | -Inf           | 2.80           | 3           | Vertical   | 324            | 2.84          | -        |



## RSE TX above 1GHz Result\_ Non-Beamforming

## Appendix D.2

| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 5200MHz                        | Pass   | PK   | 5.1492G      | 67.04             | 74.00             | -6.96          | 2.74           | 3           | Vertical   | 324            | 2.84          | -        |
| 5200MHz                        | Pass   | PK   | 5.1972G      | 124.13            | Inf               | -Inf           | 2.80           | 3           | Vertical   | 324            | 2.84          | -        |
| 5200MHz                        | Pass   | AV   | 5.149995G    | 44.87             | 54.00             | -9.13          | 2.74           | 3           | Horizontal | 152            | 1.51          | -        |
| 5200MHz                        | Pass   | AV   | 5.1964G      | 100.77            | Inf               | -Inf           | 2.80           | 3           | Horizontal | 152            | 1.51          | -        |
| 5200MHz                        | Pass   | PK   | 5.146G       | 59.24             | 74.00             | -14.76         | 2.74           | 3           | Horizontal | 152            | 1.51          | -        |
| 5200MHz                        | Pass   | PK   | 5.196G       | 113.90            | Inf               | -Inf           | 2.80           | 3           | Horizontal | 152            | 1.51          | -        |
| 5200MHz                        | Pass   | AV   | 10.39736G    | 36.37             | 54.00             | -17.63         | 12.72          | 3           | Vertical   | 88             | 1.67          | -        |
| 5200MHz                        | Pass   | PK   | 10.38752G    | 49.76             | 74.00             | -24.24         | 12.69          | 3           | Vertical   | 88             | 1.67          | -        |
| 5200MHz                        | Pass   | AV   | 10.39994G    | 39.51             | 54.00             | -14.49         | 12.72          | 3           | Horizontal | 4              | 2.17          | -        |
| 5200MHz                        | Pass   | PK   | 10.39964G    | 50.06             | 74.00             | -23.94         | 12.72          | 3           | Horizontal | 4              | 2.17          | -        |
| 5240MHz                        | Pass   | AV   | 5.149995G    | 45.65             | 54.00             | -8.35          | 2.74           | 3           | Vertical   | 264            | 2.94          | -        |
| 5240MHz                        | Pass   | AV   | 5.2472G      | 111.89            | Inf               | -Inf           | 2.85           | 3           | Vertical   | 264            | 2.94          | -        |
| 5240MHz                        | Pass   | AV   | 5.351G       | 42.78             | 54.00             | -11.22         | 2.97           | 3           | Vertical   | 264            | 2.94          | -        |
| 5240MHz                        | Pass   | PK   | 5.149995G    | 62.10             | 74.00             | -11.90         | 2.74           | 3           | Vertical   | 264            | 2.94          | -        |
| 5240MHz                        | Pass   | PK   | 5.2322G      | 123.60            | Inf               | -Inf           | 2.84           | 3           | Vertical   | 264            | 2.94          | -        |
| 5240MHz                        | Pass   | PK   | 5.350005G    | 56.88             | 74.00             | -17.12         | 2.97           | 3           | Vertical   | 264            | 2.94          | -        |
| 5240MHz                        | Pass   | AV   | 5.1494G      | 41.48             | 54.00             | -12.52         | 2.74           | 3           | Horizontal | 161            | 1.09          | -        |
| 5240MHz                        | Pass   | AV   | 5.243G       | 104.55            | Inf               | -Inf           | 2.85           | 3           | Horizontal | 161            | 1.09          | -        |
| 5240MHz                        | Pass   | AV   | 5.351G       | 40.39             | 54.00             | -13.61         | 2.97           | 3           | Horizontal | 161            | 1.09          | -        |
| 5240MHz                        | Pass   | PK   | 5.144G       | 54.35             | 74.00             | -19.65         | 2.74           | 3           | Horizontal | 161            | 1.09          | -        |
| 5240MHz                        | Pass   | PK   | 5.2418G      | 117.10            | Inf               | -Inf           | 2.85           | 3           | Horizontal | 161            | 1.09          | -        |
| 5240MHz                        | Pass   | PK   | 5.3738G      | 53.35             | 74.00             | -20.65         | 2.99           | 3           | Horizontal | 161            | 1.09          | -        |
| 5240MHz                        | Pass   | AV   | 10.47988G    | 40.39             | 54.00             | -13.61         | 12.90          | 3           | Vertical   | 92             | 2.99          | -        |
| 5240MHz                        | Pass   | PK   | 10.47988G    | 50.29             | 74.00             | -23.71         | 12.90          | 3           | Vertical   | 92             | 2.99          | -        |
| 5240MHz                        | Pass   | AV   | 10.47988G    | 42.10             | 54.00             | -11.90         | 12.90          | 3           | Horizontal | 51             | 1.50          | -        |
| 5240MHz                        | Pass   | PK   | 10.47964G    | 50.70             | 74.00             | -23.30         | 12.90          | 3           | Horizontal | 51             | 1.50          | -        |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5190MHz                        | Pass   | AV   | 5.149995G    | 52.60             | 54.00             | -1.40          | 2.74           | 3           | Vertical   | 190            | 1.78          | -        |
| 5190MHz                        | Pass   | AV   | 5.1968G      | 102.64            | Inf               | -Inf           | 2.80           | 3           | Vertical   | 190            | 1.78          | -        |
| 5190MHz                        | Pass   | PK   | 5.1492G      | 65.32             | 74.00             | -8.68          | 2.74           | 3           | Vertical   | 190            | 1.78          | -        |
| 5190MHz                        | Pass   | PK   | 5.1916G      | 113.49            | Inf               | -Inf           | 2.79           | 3           | Vertical   | 190            | 1.78          | -        |
| 5190MHz                        | Pass   | AV   | 5.1468G      | 44.48             | 54.00             | -9.52          | 3.68           | 3           | Horizontal | 193            | 2.95          | -        |
| 5190MHz                        | Pass   | AV   | 5.1828G      | 89.38             | Inf               | -Inf           | 3.74           | 3           | Horizontal | 193            | 2.95          | -        |
| 5190MHz                        | Pass   | PK   | 5.148G       | 58.03             | 74.00             | -15.97         | 3.68           | 3           | Horizontal | 193            | 2.95          | -        |
| 5190MHz                        | Pass   | PK   | 5.1816G      | 99.92             | Inf               | -Inf           | 3.74           | 3           | Horizontal | 193            | 2.95          | -        |
| 5190MHz                        | Pass   | AV   | 10.38302G    | 37.28             | 54.00             | -16.72         | 12.68          | 3           | Vertical   | 21             | 1.84          | -        |
| 5190MHz                        | Pass   | PK   | 10.3843G     | 50.61             | 74.00             | -23.39         | 12.69          | 3           | Vertical   | 21             | 1.84          | -        |
| 5190MHz                        | Pass   | AV   | 10.37896G    | 37.32             | 54.00             | -16.68         | 12.68          | 3           | Horizontal | 86             | 2.47          | -        |
| 5190MHz                        | Pass   | PK   | 10.38138G    | 50.31             | 74.00             | -23.69         | 12.68          | 3           | Horizontal | 86             | 2.47          | -        |
| 5230MHz                        | Pass   | AV   | 5.149995G    | 52.63             | 54.00             | -1.37          | 3.68           | 3           | Vertical   | 4              | 1.43          | -        |
| 5230MHz                        | Pass   | AV   | 5.2324G      | 108.43            | Inf               | -Inf           | 3.83           | 3           | Vertical   | 4              | 1.43          | -        |
| 5230MHz                        | Pass   | PK   | 5.148G       | 65.24             | 74.00             | -8.76          | 3.68           | 3           | Vertical   | 4              | 1.43          | -        |
| 5230MHz                        | Pass   | PK   | 5.2348G      | 118.72            | Inf               | -Inf           | 3.84           | 3           | Vertical   | 4              | 1.43          | -        |
| 5230MHz                        | Pass   | AV   | 5.149995G    | 47.00             | 54.00             | -7.00          | 3.68           | 3           | Horizontal | 340            | 2.99          | -        |
| 5230MHz                        | Pass   | AV   | 5.2368G      | 101.62            | Inf               | -Inf           | 3.84           | 3           | Horizontal | 340            | 2.99          | -        |
| 5230MHz                        | Pass   | PK   | 5.149995G    | 59.22             | 74.00             | -14.78         | 3.68           | 3           | Horizontal | 340            | 2.99          | -        |
| 5230MHz                        | Pass   | PK   | 5.236G       | 112.24            | Inf               | -Inf           | 3.84           | 3           | Horizontal | 340            | 2.99          | -        |
| 5230MHz                        | Pass   | AV   | 10.46284G    | 37.62             | 54.00             | -16.38         | 12.86          | 3           | Vertical   | 180            | 1.02          | -        |
| 5230MHz                        | Pass   | PK   | 10.46276G    | 51.47             | 74.00             | -22.53         | 12.86          | 3           | Vertical   | 180            | 1.02          | -        |





## RSE TX above 1GHz Result\_ Non-Beamforming

## Appendix D.2

| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 5230MHz                        | Pass   | AV   | 10.46232G    | 37.65             | 54.00             | -16.35         | 12.86          | 3           | Horizontal | 178            | 2.18          | -        |
| 5230MHz                        | Pass   | PK   | 10.46204G    | 50.75             | 74.00             | -23.25         | 12.86          | 3           | Horizontal | 178            | 2.18          | -        |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5190MHz                        | Pass   | AV   | 5.149995G    | 52.70             | 54.00             | -1.30          | 2.74           | 3           | Vertical   | 343            | 2.99          | -        |
| 5190MHz                        | Pass   | AV   | 5.1952G      | 100.42            | Inf               | -Inf           | 2.79           | 3           | Vertical   | 343            | 2.99          | -        |
| 5190MHz                        | Pass   | PK   | 5.149995G    | 66.80             | 74.00             | -7.20          | 2.74           | 3           | Vertical   | 343            | 2.99          | -        |
| 5190MHz                        | Pass   | PK   | 5.1908G      | 113.49            | Inf               | -Inf           | 2.79           | 3           | Vertical   | 343            | 2.99          | -        |
| 5190MHz                        | Pass   | AV   | 5.1496G      | 44.40             | 54.00             | -9.60          | 2.74           | 3           | Horizontal | 227            | 1.31          | -        |
| 5190MHz                        | Pass   | AV   | 5.186G       | 90.67             | Inf               | -Inf           | 2.78           | 3           | Horizontal | 227            | 1.31          | -        |
| 5190MHz                        | Pass   | PK   | 5.1476G      | 56.87             | 74.00             | -17.13         | 2.74           | 3           | Horizontal | 227            | 1.31          | -        |
| 5190MHz                        | Pass   | PK   | 5.184G       | 102.94            | Inf               | -Inf           | 2.78           | 3           | Horizontal | 227            | 1.31          | -        |
| 5190MHz                        | Pass   | AV   | 10.38384G    | 36.45             | 54.00             | -17.55         | 12.69          | 3           | Vertical   | 44             | 1.88          | -        |
| 5190MHz                        | Pass   | PK   | 10.39464G    | 49.63             | 74.00             | -24.37         | 12.71          | 3           | Vertical   | 44             | 1.88          | -        |
| 5190MHz                        | Pass   | AV   | 10.37256G    | 36.37             | 54.00             | -17.63         | 12.66          | 3           | Horizontal | 11             | 2.01          | -        |
| 5190MHz                        | Pass   | PK   | 10.39284G    | 49.77             | 74.00             | -24.23         | 12.71          | 3           | Horizontal | 11             | 2.01          | -        |
| 5230MHz                        | Pass   | AV   | 5.149995G    | 51.97             | 54.00             | -2.03          | 2.74           | 3           | Vertical   | 326            | 1.50          | -        |
| 5230MHz                        | Pass   | AV   | 5.234G       | 106.59            | Inf               | -Inf           | 2.84           | 3           | Vertical   | 326            | 1.50          | -        |
| 5230MHz                        | Pass   | PK   | 5.1496G      | 66.35             | 74.00             | -7.65          | 2.74           | 3           | Vertical   | 326            | 1.50          | -        |
| 5230MHz                        | Pass   | PK   | 5.232G       | 119.68            | Inf               | -Inf           | 2.84           | 3           | Vertical   | 326            | 1.50          | -        |
| 5230MHz                        | Pass   | AV   | 5.1488G      | 44.35             | 54.00             | -9.65          | 2.74           | 3           | Horizontal | 230            | 1.78          | -        |
| 5230MHz                        | Pass   | AV   | 5.2276G      | 96.05             | Inf               | -Inf           | 2.83           | 3           | Horizontal | 230            | 1.78          | -        |
| 5230MHz                        | Pass   | PK   | 5.1416G      | 56.92             | 74.00             | -17.08         | 2.73           | 3           | Horizontal | 230            | 1.78          | -        |
| 5230MHz                        | Pass   | PK   | 5.2288G      | 108.11            | Inf               | -Inf           | 2.83           | 3           | Horizontal | 230            | 1.78          | -        |
| 5230MHz                        | Pass   | AV   | 10.45316G    | 36.66             | 54.00             | -17.34         | 12.84          | 3           | Vertical   | 51             | 1.85          | -        |
| 5230MHz                        | Pass   | PK   | 10.4729G     | 49.93             | 74.00             | -24.07         | 12.88          | 3           | Vertical   | 51             | 1.85          | -        |
| 5230MHz                        | Pass   | AV   | 10.47296G    | 36.70             | 54.00             | -17.30         | 12.88          | 3           | Horizontal | 6              | 2.01          | -        |
| 5230MHz                        | Pass   | PK   | 10.46978G    | 49.45             | 74.00             | -24.55         | 12.87          | 3           | Horizontal | 6              | 2.01          | -        |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5210MHz                        | Pass   | AV   | 5.149995G    | 52.51             | 54.00             | -1.49          | 2.74           | 3           | Vertical   | 358            | 1.50          | -        |
| 5210MHz                        | Pass   | AV   | 5.213G       | 99.45             | Inf               | -Inf           | 2.81           | 3           | Vertical   | 358            | 1.50          | -        |
| 5210MHz                        | Pass   | AV   | 5.376G       | 44.17             | 54.00             | -9.83          | 3.00           | 3           | Vertical   | 358            | 1.50          | -        |
| 5210MHz                        | Pass   | PK   | 5.149995G    | 64.26             | 74.00             | -9.74          | 2.74           | 3           | Vertical   | 358            | 1.50          | -        |
| 5210MHz                        | Pass   | PK   | 5.208G       | 110.16            | Inf               | -Inf           | 2.81           | 3           | Vertical   | 358            | 1.50          | -        |
| 5210MHz                        | Pass   | PK   | 5.355G       | 57.33             | 74.00             | -16.67         | 2.97           | 3           | Vertical   | 358            | 1.50          | -        |
| 5210MHz                        | Pass   | AV   | 5.148G       | 46.28             | 54.00             | -7.72          | 3.68           | 3           | Horizontal | 344            | 2.73          | -        |
| 5210MHz                        | Pass   | AV   | 5.215G       | 93.15             | Inf               | -Inf           | 3.80           | 3           | Horizontal | 344            | 2.73          | -        |
| 5210MHz                        | Pass   | AV   | 5.42G        | 44.08             | 54.00             | -9.92          | 4.17           | 3           | Horizontal | 344            | 2.73          | -        |
| 5210MHz                        | Pass   | PK   | 5.145G       | 58.35             | 74.00             | -15.65         | 3.67           | 3           | Horizontal | 344            | 2.73          | -        |
| 5210MHz                        | Pass   | PK   | 5.213G       | 103.24            | Inf               | -Inf           | 3.79           | 3           | Horizontal | 344            | 2.73          | -        |
| 5210MHz                        | Pass   | PK   | 5.362G       | 56.81             | 74.00             | -17.19         | 4.07           | 3           | Horizontal | 344            | 2.73          | -        |
| 5210MHz                        | Pass   | AV   | 10.41704G    | 37.41             | 54.00             | -16.59         | 12.76          | 3           | Vertical   | 143            | 1.51          | -        |
| 5210MHz                        | Pass   | PK   | 10.42314G    | 51.23             | 74.00             | -22.77         | 12.77          | 3           | Vertical   | 143            | 1.51          | -        |
| 5210MHz                        | Pass   | AV   | 10.41842G    | 37.39             | 54.00             | -16.61         | 12.76          | 3           | Horizontal | 168            | 2.15          | -        |
| 5210MHz                        | Pass   | PK   | 10.42186G    | 50.51             | 74.00             | -23.49         | 12.77          | 3           | Horizontal | 168            | 2.15          | -        |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5210MHz                        | Pass   | AV   | 5.149995G    | 52.89             | 54.00             | -1.11          | 2.74           | 3           | Vertical   | 338            | 2.99          | -        |
| 5210MHz                        | Pass   | AV   | 5.213G       | 97.37             | Inf               | -Inf           | 2.81           | 3           | Vertical   | 338            | 2.99          | -        |
| 5210MHz                        | Pass   | AV   | 5.376G       | 42.52             | 54.00             | -11.48         | 3.00           | 3           | Vertical   | 338            | 2.99          | -        |
| 5210MHz                        | Pass   | PK   | 5.149G       | 65.69             | 74.00             | -8.31          | 2.74           | 3           | Vertical   | 338            | 2.99          | -        |



## RSE TX above 1GHz Result\_ Non-Beamforming

## Appendix D.2

| Mode                     | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 5210MHz                  | Pass   | PK   | 5.201G       | 109.81            | Inf               | -Inf           | 2.80           | 3           | Vertical   | 338            | 2.99          | -        |
| 5210MHz                  | Pass   | PK   | 5.355G       | 54.22             | 74.00             | -19.78         | 2.97           | 3           | Vertical   | 338            | 2.99          | -        |
| 5210MHz                  | Pass   | AV   | 5.148G       | 43.19             | 54.00             | -10.81         | 2.74           | 3           | Horizontal | 222            | 1.21          | -        |
| 5210MHz                  | Pass   | AV   | 5.202G       | 86.98             | Inf               | -Inf           | 2.80           | 3           | Horizontal | 222            | 1.21          | -        |
| 5210MHz                  | Pass   | AV   | 5.451G       | 39.98             | 54.00             | -14.02         | 3.09           | 3           | Horizontal | 222            | 1.21          | -        |
| 5210MHz                  | Pass   | PK   | 5.144G       | 56.26             | 74.00             | -17.74         | 2.74           | 3           | Horizontal | 222            | 1.21          | -        |
| 5210MHz                  | Pass   | PK   | 5.208G       | 99.80             | Inf               | -Inf           | 2.81           | 3           | Horizontal | 222            | 1.21          | -        |
| 5210MHz                  | Pass   | PK   | 5.444G       | 52.60             | 74.00             | -21.40         | 3.08           | 3           | Horizontal | 222            | 1.21          | -        |
| 5210MHz                  | Pass   | AV   | 10.43026G    | 36.54             | 54.00             | -17.46         | 12.79          | 3           | Vertical   | 77             | 1.69          | -        |
| 5210MHz                  | Pass   | PK   | 10.43338G    | 50.67             | 74.00             | -23.33         | 12.79          | 3           | Vertical   | 77             | 1.69          | -        |
| 5210MHz                  | Pass   | AV   | 10.43368G    | 36.48             | 54.00             | -17.52         | 12.80          | 3           | Horizontal | 1              | 1.98          | -        |
| 5210MHz                  | Pass   | PK   | 10.42936G    | 49.74             | 74.00             | -24.26         | 12.79          | 3           | Horizontal | 1              | 1.98          | -        |
| 802.11a_Nss1,(6Mbps)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5745MHz                  | Pass   | AV   | 5.7522G      | 113.69            | Inf               | -Inf           | 3.64           | 3           | Vertical   | 260            | 2.12          | -        |
| 5745MHz                  | Pass   | PK   | 5.6514G      | 59.89             | 69.24             | -9.35          | 3.44           | 3           | Vertical   | 260            | 2.12          | -        |
| 5745MHz                  | Pass   | PK   | 5.7522G      | 123.00            | Inf               | -Inf           | 3.64           | 3           | Vertical   | 260            | 2.12          | -        |
| 5745MHz                  | Pass   | PK   | 5.9346G      | 54.97             | 68.20             | -13.23         | 4.00           | 3           | Vertical   | 260            | 2.12          | -        |
| 5745MHz                  | Pass   | AV   | 5.7414G      | 103.22            | Inf               | -Inf           | 3.62           | 3           | Horizontal | 153            | 1.45          | -        |
| 5745MHz                  | Pass   | PK   | 5.6478G      | 55.36             | 68.20             | -12.84         | 3.44           | 3           | Horizontal | 153            | 1.45          | -        |
| 5745MHz                  | Pass   | PK   | 5.7414G      | 112.44            | Inf               | -Inf           | 3.62           | 3           | Horizontal | 153            | 1.45          | -        |
| 5745MHz                  | Pass   | PK   | 5.9778G      | 54.42             | 68.20             | -13.78         | 4.08           | 3           | Horizontal | 153            | 1.45          | -        |
| 5745MHz                  | Pass   | AV   | 17.23184G    | 43.66             | 54.00             | -10.34         | 16.88          | 3           | Vertical   | 171            | 1.12          | -        |
| 5745MHz                  | Pass   | PK   | 17.23132G    | 59.10             | 74.00             | -14.90         | 16.88          | 3           | Vertical   | 171            | 1.12          | -        |
| 5745MHz                  | Pass   | AV   | 17.2296G     | 47.54             | 54.00             | -6.46          | 16.86          | 3           | Horizontal | 31             | 2.70          | -        |
| 5745MHz                  | Pass   | PK   | 17.2295G     | 61.65             | 74.00             | -12.35         | 16.86          | 3           | Horizontal | 31             | 2.70          | -        |
| 5785MHz                  | Pass   | AV   | 5.7802G      | 112.99            | Inf               | -Inf           | 3.69           | 3           | Vertical   | 180            | 1.86          | -        |
| 5785MHz                  | Pass   | PK   | 5.6482G      | 55.05             | 68.20             | -13.15         | 3.44           | 3           | Vertical   | 180            | 1.86          | -        |
| 5785MHz                  | Pass   | PK   | 5.779G       | 121.89            | Inf               | -Inf           | 3.69           | 3           | Vertical   | 180            | 1.86          | -        |
| 5785MHz                  | Pass   | PK   | 5.935G       | 55.07             | 68.20             | -13.13         | 4.00           | 3           | Vertical   | 180            | 1.86          | -        |
| 5785MHz                  | Pass   | AV   | 5.7814G      | 103.14            | Inf               | -Inf           | 3.69           | 3           | Horizontal | 149            | 1.50          | -        |
| 5785MHz                  | Pass   | PK   | 5.6314G      | 54.08             | 68.20             | -14.12         | 3.40           | 3           | Horizontal | 149            | 1.50          | -        |
| 5785MHz                  | Pass   | PK   | 5.7814G      | 112.16            | Inf               | -Inf           | 3.69           | 3           | Horizontal | 149            | 1.50          | -        |
| 5785MHz                  | Pass   | PK   | 5.9734G      | 54.26             | 68.20             | -13.94         | 4.07           | 3           | Horizontal | 149            | 1.50          | -        |
| 5785MHz                  | Pass   | AV   | 17.3625G     | 44.16             | 54.00             | -9.84          | 17.77          | 3           | Vertical   | 124            | 1.56          | -        |
| 5785MHz                  | Pass   | PK   | 17.3607G     | 56.55             | 74.00             | -17.45         | 17.76          | 3           | Vertical   | 124            | 1.56          | -        |
| 5785MHz                  | Pass   | AV   | 17.3592G     | 49.50             | 54.00             | -4.50          | 17.75          | 3           | Horizontal | 7              | 2.77          | -        |
| 5785MHz                  | Pass   | PK   | 17.3608G     | 62.80             | 74.00             | -11.20         | 17.76          | 3           | Horizontal | 7              | 2.77          | -        |
| 5825MHz                  | Pass   | AV   | 5.8214G      | 112.75            | Inf               | -Inf           | 3.77           | 3           | Vertical   | 185            | 1.51          | -        |
| 5825MHz                  | Pass   | PK   | 5.6342G      | 55.42             | 68.20             | -12.78         | 3.41           | 3           | Vertical   | 185            | 1.51          | -        |
| 5825MHz                  | Pass   | PK   | 5.8214G      | 121.57            | Inf               | -Inf           | 3.77           | 3           | Vertical   | 185            | 1.51          | -        |
| 5825MHz                  | Pass   | PK   | 5.921G       | 60.24             | 71.16             | -10.92         | 3.97           | 3           | Vertical   | 185            | 1.51          | -        |
| 5825MHz                  | Pass   | AV   | 5.8202G      | 104.23            | Inf               | -Inf           | 3.77           | 3           | Horizontal | 205            | 1.27          | -        |
| 5825MHz                  | Pass   | PK   | 5.6258G      | 53.93             | 68.20             | -14.27         | 3.40           | 3           | Horizontal | 205            | 1.27          | -        |
| 5825MHz                  | Pass   | PK   | 5.819G       | 113.21            | Inf               | -Inf           | 3.77           | 3           | Horizontal | 205            | 1.27          | -        |
| 5825MHz                  | Pass   | PK   | 5.9882G      | 54.01             | 68.20             | -14.19         | 4.10           | 3           | Horizontal | 205            | 1.27          | -        |
| 5825MHz                  | Pass   | AV   | 17.4694G     | 45.65             | 54.00             | -8.35          | 18.50          | 3           | Vertical   | 62             | 1.61          | -        |
| 5825MHz                  | Pass   | PK   | 17.4698G     | 59.16             | 74.00             | -14.84         | 18.50          | 3           | Vertical   | 62             | 1.61          | -        |
| 5825MHz                  | Pass   | AV   | 17.4819G     | 52.58             | 54.00             | -1.42          | 18.58          | 3           | Horizontal | 12             | 2.49          | -        |
| 5825MHz                  | Pass   | PK   | 17.4824G     | 66.81             | 74.00             | -7.19          | 18.59          | 3           | Horizontal | 12             | 2.49          | -        |



| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 802.11ac VHT20_Nss1.(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5745MHz                        | Pass   | AV   | 5.7474G      | 111.78            | Inf               | -Inf           | 3.63           | 3           | Vertical   | 188            | 1.50          | -        |
| 5745MHz                        | Pass   | PK   | 5.6502G      | 57.14             | 68.35             | -11.21         | 3.44           | 3           | Vertical   | 188            | 1.50          | -        |
| 5745MHz                        | Pass   | PK   | 5.751G       | 121.94            | Inf               | -Inf           | 3.64           | 3           | Vertical   | 188            | 1.50          | -        |
| 5745MHz                        | Pass   | PK   | 5.931G       | 54.63             | 68.20             | -13.57         | 3.99           | 3           | Vertical   | 188            | 1.50          | -        |
| 5745MHz                        | Pass   | AV   | 5.7426G      | 103.50            | Inf               | -Inf           | 3.62           | 3           | Horizontal | 161            | 1.55          | -        |
| 5745MHz                        | Pass   | PK   | 5.6154G      | 53.81             | 68.20             | -14.39         | 3.37           | 3           | Horizontal | 161            | 1.55          | -        |
| 5745MHz                        | Pass   | PK   | 5.7438G      | 113.65            | Inf               | -Inf           | 3.62           | 3           | Horizontal | 161            | 1.55          | -        |
| 5745MHz                        | Pass   | PK   | 5.9526G      | 54.47             | 68.20             | -13.73         | 4.03           | 3           | Horizontal | 161            | 1.55          | -        |
| 5745MHz                        | Pass   | AV   | 11.48994G    | 39.21             | 54.00             | -14.79         | 13.58          | 3           | Vertical   | 107            | 2.94          | -        |
| 5745MHz                        | Pass   | PK   | 11.47608G    | 50.93             | 74.00             | -23.07         | 13.59          | 3           | Vertical   | 107            | 2.94          | -        |
| 5745MHz                        | Pass   | AV   | 11.48988G    | 39.69             | 54.00             | -14.31         | 13.58          | 3           | Horizontal | 122            | 1.48          | -        |
| 5745MHz                        | Pass   | PK   | 11.49012G    | 51.55             | 74.00             | -22.45         | 13.58          | 3           | Horizontal | 122            | 1.48          | -        |
| 5785MHz                        | Pass   | AV   | 5.7826G      | 109.97            | Inf               | -Inf           | 3.70           | 3           | Vertical   | 251            | 1.60          | -        |
| 5785MHz                        | Pass   | PK   | 5.5762G      | 55.12             | 68.20             | -13.08         | 3.29           | 3           | Vertical   | 251            | 1.60          | -        |
| 5785MHz                        | Pass   | PK   | 5.7874G      | 120.31            | Inf               | -Inf           | 3.71           | 3           | Vertical   | 251            | 1.60          | -        |
| 5785MHz                        | Pass   | PK   | 5.9446G      | 55.12             | 68.20             | -13.08         | 4.02           | 3           | Vertical   | 251            | 1.60          | -        |
| 5785MHz                        | Pass   | AV   | 5.7814G      | 101.72            | Inf               | -Inf           | 3.69           | 3           | Horizontal | 212            | 1.45          | -        |
| 5785MHz                        | Pass   | PK   | 5.6002G      | 54.35             | 68.20             | -13.85         | 3.34           | 3           | Horizontal | 212            | 1.45          | -        |
| 5785MHz                        | Pass   | PK   | 5.7814G      | 111.71            | Inf               | -Inf           | 3.69           | 3           | Horizontal | 212            | 1.45          | -        |
| 5785MHz                        | Pass   | PK   | 5.9638G      | 54.95             | 68.20             | -13.25         | 4.05           | 3           | Horizontal | 212            | 1.45          | -        |
| 5785MHz                        | Pass   | AV   | 11.56988G    | 38.89             | 54.00             | -15.11         | 13.51          | 3           | Vertical   | 41             | 1.10          | -        |
| 5785MHz                        | Pass   | PK   | 11.56982G    | 50.76             | 74.00             | -23.24         | 13.51          | 3           | Vertical   | 41             | 1.10          | -        |
| 5785MHz                        | Pass   | AV   | 11.56994G    | 39.33             | 54.00             | -14.67         | 13.51          | 3           | Horizontal | 117            | 1.50          | -        |
| 5785MHz                        | Pass   | PK   | 11.56988G    | 51.43             | 74.00             | -22.57         | 13.51          | 3           | Horizontal | 117            | 1.50          | -        |
| 5825MHz                        | Pass   | AV   | 5.8226G      | 110.71            | Inf               | -Inf           | 3.78           | 3           | Vertical   | 0              | 2.99          | -        |
| 5825MHz                        | Pass   | PK   | 5.567G       | 55.18             | 68.20             | -13.02         | 3.27           | 3           | Vertical   | 0              | 2.99          | -        |
| 5825MHz                        | Pass   | PK   | 5.8202G      | 121.35            | Inf               | -Inf           | 3.77           | 3           | Vertical   | 0              | 2.99          | -        |
| 5825MHz                        | Pass   | PK   | 5.927G       | 56.39             | 68.20             | -11.81         | 3.99           | 3           | Vertical   | 0              | 2.99          | -        |
| 5825MHz                        | Pass   | AV   | 5.8238G      | 103.29            | Inf               | -Inf           | 3.78           | 3           | Horizontal | 139            | 1.24          | -        |
| 5825MHz                        | Pass   | PK   | 5.6042G      | 53.91             | 68.20             | -14.29         | 3.35           | 3           | Horizontal | 139            | 1.24          | -        |
| 5825MHz                        | Pass   | PK   | 5.8202G      | 113.60            | Inf               | -Inf           | 3.77           | 3           | Horizontal | 139            | 1.24          | -        |
| 5825MHz                        | Pass   | PK   | 5.9294G      | 54.62             | 68.20             | -13.58         | 3.99           | 3           | Horizontal | 139            | 1.24          | -        |
| 5825MHz                        | Pass   | AV   | 11.64576G    | 37.61             | 54.00             | -16.39         | 13.44          | 3           | Vertical   | 239            | 1.90          | -        |
| 5825MHz                        | Pass   | PK   | 11.64732G    | 51.81             | 74.00             | -22.19         | 13.43          | 3           | Vertical   | 239            | 1.90          | -        |
| 5825MHz                        | Pass   | AV   | 11.6515G     | 37.72             | 54.00             | -16.28         | 13.43          | 3           | Horizontal | 338            | 1.37          | -        |
| 5825MHz                        | Pass   | PK   | 11.65048G    | 51.61             | 74.00             | -22.39         | 13.43          | 3           | Horizontal | 338            | 1.37          | -        |
| 802.11ax HEW20_Nss1.(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5745MHz                        | Pass   | AV   | 5.7426G      | 107.52            | Inf               | -Inf           | 3.62           | 3           | Vertical   | 29             | 1.51          | -        |
| 5745MHz                        | Pass   | PK   | 5.643G       | 55.75             | 68.20             | -12.45         | 3.43           | 3           | Vertical   | 29             | 1.51          | -        |
| 5745MHz                        | Pass   | PK   | 5.739G       | 119.84            | Inf               | -Inf           | 3.61           | 3           | Vertical   | 29             | 1.51          | -        |
| 5745MHz                        | Pass   | PK   | 5.9358G      | 54.39             | 68.20             | -13.81         | 4.01           | 3           | Vertical   | 29             | 1.51          | -        |
| 5745MHz                        | Pass   | AV   | 5.7426G      | 101.41            | Inf               | -Inf           | 3.62           | 3           | Horizontal | 157            | 1.54          | -        |
| 5745MHz                        | Pass   | PK   | 5.631G       | 53.43             | 68.20             | -14.77         | 3.40           | 3           | Horizontal | 157            | 1.54          | -        |
| 5745MHz                        | Pass   | PK   | 5.7474G      | 113.93            | Inf               | -Inf           | 3.63           | 3           | Horizontal | 157            | 1.54          | -        |
| 5745MHz                        | Pass   | PK   | 5.9742G      | 54.10             | 68.20             | -14.10         | 4.07           | 3           | Horizontal | 157            | 1.54          | -        |
| 5745MHz                        | Pass   | AV   | 11.48988G    | 37.78             | 54.00             | -16.22         | 13.58          | 3           | Vertical   | 99             | 2.93          | -        |
| 5745MHz                        | Pass   | PK   | 11.4897G     | 50.27             | 74.00             | -23.73         | 13.58          | 3           | Vertical   | 99             | 2.93          | -        |
| 5745MHz                        | Pass   | AV   | 11.48994G    | 37.75             | 54.00             | -16.25         | 13.58          | 3           | Horizontal | 11             | 1.48          | -        |



## RSE TX above 1GHz Result\_ Non-Beamforming

## Appendix D.2

| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 5745MHz                        | Pass   | PK   | 11.49708G    | 50.10             | 74.00             | -23.90         | 13.57          | 3           | Horizontal | 11             | 1.48          | -        |
| 5785MHz                        | Pass   | AV   | 5.779G       | 110.31            | Inf               | -Inf           | 3.69           | 3           | Vertical   | 196            | 1.61          | -        |
| 5785MHz                        | Pass   | PK   | 5.5882G      | 55.16             | 68.20             | -13.04         | 3.31           | 3           | Vertical   | 196            | 1.61          | -        |
| 5785MHz                        | Pass   | PK   | 5.7826G      | 123.44            | Inf               | -Inf           | 3.70           | 3           | Vertical   | 196            | 1.61          | -        |
| 5785MHz                        | Pass   | PK   | 5.9854G      | 54.87             | 68.20             | -13.33         | 4.10           | 3           | Vertical   | 196            | 1.61          | -        |
| 5785MHz                        | Pass   | AV   | 5.7874G      | 101.47            | Inf               | -Inf           | 3.71           | 3           | Horizontal | 174            | 1.33          | -        |
| 5785MHz                        | Pass   | PK   | 5.6482G      | 54.49             | 68.20             | -13.71         | 3.44           | 3           | Horizontal | 174            | 1.33          | -        |
| 5785MHz                        | Pass   | PK   | 5.7826G      | 113.42            | Inf               | -Inf           | 3.70           | 3           | Horizontal | 174            | 1.33          | -        |
| 5785MHz                        | Pass   | PK   | 5.9302G      | 54.51             | 68.20             | -13.69         | 3.99           | 3           | Horizontal | 174            | 1.33          | -        |
| 5785MHz                        | Pass   | AV   | 11.55668G    | 36.92             | 54.00             | -17.08         | 13.52          | 3           | Vertical   | 84             | 1.50          | -        |
| 5785MHz                        | Pass   | PK   | 11.57096G    | 50.08             | 74.00             | -23.92         | 13.50          | 3           | Vertical   | 84             | 1.50          | -        |
| 5785MHz                        | Pass   | AV   | 11.58128G    | 37.07             | 54.00             | -16.93         | 13.50          | 3           | Horizontal | 55             | 1.55          | -        |
| 5785MHz                        | Pass   | PK   | 11.58116G    | 50.86             | 74.00             | -23.14         | 13.50          | 3           | Horizontal | 55             | 1.55          | -        |
| 5825MHz                        | Pass   | AV   | 5.8262G      | 110.21            | Inf               | -Inf           | 3.78           | 3           | Vertical   | 190            | 2.75          | -        |
| 5825MHz                        | Pass   | PK   | 5.627G       | 56.29             | 68.20             | -11.91         | 3.40           | 3           | Vertical   | 190            | 2.75          | -        |
| 5825MHz                        | Pass   | PK   | 5.819G       | 121.13            | Inf               | -Inf           | 3.77           | 3           | Vertical   | 190            | 2.75          | -        |
| 5825MHz                        | Pass   | PK   | 5.933G       | 57.39             | 68.20             | -10.81         | 4.00           | 3           | Vertical   | 190            | 2.75          | -        |
| 5825MHz                        | Pass   | AV   | 5.8274G      | 101.10            | Inf               | -Inf           | 3.78           | 3           | Horizontal | 202            | 1.38          | -        |
| 5825MHz                        | Pass   | PK   | 5.5862G      | 54.13             | 68.20             | -14.07         | 3.31           | 3           | Horizontal | 202            | 1.38          | -        |
| 5825MHz                        | Pass   | PK   | 5.8262G      | 113.94            | Inf               | -Inf           | 3.78           | 3           | Horizontal | 202            | 1.38          | -        |
| 5825MHz                        | Pass   | PK   | 5.927G       | 54.85             | 68.20             | -13.35         | 3.99           | 3           | Horizontal | 202            | 1.38          | -        |
| 5825MHz                        | Pass   | AV   | 11.64148G    | 36.93             | 54.00             | -17.07         | 13.44          | 3           | Vertical   | 31             | 1.51          | -        |
| 5825MHz                        | Pass   | PK   | 11.64124G    | 50.52             | 74.00             | -23.48         | 13.44          | 3           | Vertical   | 31             | 1.51          | -        |
| 5825MHz                        | Pass   | AV   | 11.63518G    | 36.94             | 54.00             | -17.06         | 13.45          | 3           | Horizontal | 40             | 1.64          | -        |
| 5825MHz                        | Pass   | PK   | 11.66038G    | 50.47             | 74.00             | -23.53         | 13.42          | 3           | Horizontal | 40             | 1.64          | -        |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5755MHz                        | Pass   | AV   | 5.761G       | 111.02            | Inf               | -Inf           | 3.66           | 3           | Vertical   | 208            | 1.84          | -        |
| 5755MHz                        | Pass   | PK   | 5.6482G      | 66.93             | 68.20             | -1.27          | 3.44           | 3           | Vertical   | 208            | 1.84          | -        |
| 5755MHz                        | Pass   | PK   | 5.7586G      | 119.13            | Inf               | -Inf           | 3.65           | 3           | Vertical   | 208            | 1.84          | -        |
| 5755MHz                        | Pass   | PK   | 5.9254G      | 56.56             | 68.20             | -11.64         | 3.99           | 3           | Vertical   | 208            | 1.84          | -        |
| 5755MHz                        | Pass   | AV   | 5.7538G      | 98.12             | Inf               | -Inf           | 3.64           | 3           | Horizontal | 177            | 1.37          | -        |
| 5755MHz                        | Pass   | PK   | 5.6518G      | 57.45             | 69.53             | -12.08         | 3.44           | 3           | Horizontal | 177            | 1.37          | -        |
| 5755MHz                        | Pass   | PK   | 5.7598G      | 108.67            | Inf               | -Inf           | 3.65           | 3           | Horizontal | 177            | 1.37          | -        |
| 5755MHz                        | Pass   | PK   | 5.9638G      | 54.81             | 68.20             | -13.39         | 4.05           | 3           | Horizontal | 177            | 1.37          | -        |
| 5755MHz                        | Pass   | AV   | 11.50994G    | 39.23             | 54.00             | -14.77         | 13.56          | 3           | Vertical   | 43             | 1.02          | -        |
| 5755MHz                        | Pass   | PK   | 11.50352G    | 51.08             | 74.00             | -22.92         | 13.57          | 3           | Vertical   | 43             | 1.02          | -        |
| 5755MHz                        | Pass   | AV   | 11.4968G     | 37.62             | 54.00             | -16.38         | 13.57          | 3           | Horizontal | 169            | 1.70          | -        |
| 5755MHz                        | Pass   | PK   | 11.51432G    | 50.53             | 74.00             | -23.47         | 13.56          | 3           | Horizontal | 189            | 1.70          | -        |
| 5795MHz                        | Pass   | AV   | 5.7926G      | 108.41            | Inf               | -Inf           | 3.72           | 3           | Vertical   | 298            | 2.98          | -        |
| 5795MHz                        | Pass   | PK   | 5.6486G      | 58.71             | 68.20             | -9.49          | 3.44           | 3           | Vertical   | 298            | 2.98          | -        |
| 5795MHz                        | Pass   | PK   | 5.8034G      | 118.86            | Inf               | -Inf           | 3.74           | 3           | Vertical   | 298            | 2.98          | -        |
| 5795MHz                        | Pass   | PK   | 5.9246G      | 63.13             | 68.50             | -5.37          | 3.98           | 3           | Vertical   | 298            | 2.98          | -        |
| 5795MHz                        | Pass   | AV   | 5.7998G      | 101.44            | Inf               | -Inf           | 3.73           | 3           | Horizontal | 195            | 3.19          | -        |
| 5795MHz                        | Pass   | PK   | 5.5562G      | 53.96             | 68.20             | -14.24         | 3.25           | 3           | Horizontal | 195            | 3.19          | -        |
| 5795MHz                        | Pass   | PK   | 5.7878G      | 111.76            | Inf               | -Inf           | 3.71           | 3           | Horizontal | 195            | 3.19          | -        |
| 5795MHz                        | Pass   | PK   | 5.9258G      | 58.10             | 68.20             | -10.10         | 3.99           | 3           | Horizontal | 195            | 3.19          | -        |
| 5795MHz                        | Pass   | AV   | 11.58976G    | 37.72             | 54.00             | -16.28         | 13.49          | 3           | Vertical   | 104            | 2.93          | -        |
| 5795MHz                        | Pass   | PK   | 11.58406G    | 50.20             | 74.00             | -23.80         | 13.49          | 3           | Vertical   | 104            | 2.93          | -        |
| 5795MHz                        | Pass   | AV   | 11.58988G    | 39.53             | 54.00             | -14.47         | 13.49          | 3           | Horizontal | 122            | 1.48          | -        |



## RSE TX above 1GHz Result\_ Non-Beamforming

## Appendix D.2

| Mode                           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 5795MHz                        | Pass   | PK   | 11.59096G    | 50.46             | 74.00             | -23.54         | 13.49          | 3           | Horizontal | 122            | 1.48          | -        |
| 802.11ax HEW40_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5755MHz                        | Pass   | AV   | 5.7514G      | 108.07            | Inf               | -Inf           | 3.64           | 3           | Vertical   | 198            | 1.79          | -        |
| 5755MHz                        | Pass   | PK   | 5.653G       | 68.70             | 70.42             | -1.72          | 3.44           | 3           | Vertical   | 198            | 1.79          | -        |
| 5755MHz                        | Pass   | PK   | 5.749G       | 120.41            | Inf               | -Inf           | 3.63           | 3           | Vertical   | 198            | 1.79          | -        |
| 5755MHz                        | Pass   | PK   | 5.9314G      | 56.54             | 68.20             | -11.66         | 3.99           | 3           | Vertical   | 198            | 1.79          | -        |
| 5755MHz                        | Pass   | AV   | 5.7502G      | 98.02             | Inf               | -Inf           | 3.64           | 3           | Horizontal | 177            | 1.42          | -        |
| 5755MHz                        | Pass   | PK   | 5.6506G      | 58.80             | 68.64             | -9.84          | 3.44           | 3           | Horizontal | 177            | 1.42          | -        |
| 5755MHz                        | Pass   | PK   | 5.743G       | 109.69            | Inf               | -Inf           | 3.62           | 3           | Horizontal | 177            | 1.42          | -        |
| 5755MHz                        | Pass   | PK   | 5.9662G      | 54.24             | 68.20             | -13.96         | 4.06           | 3           | Horizontal | 177            | 1.42          | -        |
| 5755MHz                        | Pass   | AV   | 11.49674G    | 36.93             | 54.00             | -17.07         | 13.57          | 3           | Vertical   | 112            | 1.41          | -        |
| 5755MHz                        | Pass   | PK   | 11.50346G    | 50.20             | 74.00             | -23.80         | 13.57          | 3           | Vertical   | 112            | 1.41          | -        |
| 5755MHz                        | Pass   | AV   | 11.51408G    | 37.00             | 54.00             | -17.00         | 13.56          | 3           | Horizontal | 78             | 1.80          | -        |
| 5755MHz                        | Pass   | PK   | 11.51762G    | 50.55             | 74.00             | -23.45         | 13.55          | 3           | Horizontal | 78             | 1.80          | -        |
| 5795MHz                        | Pass   | AV   | 5.7986G      | 103.95            | Inf               | -Inf           | 3.73           | 3           | Vertical   | 32             | 1.39          | -        |
| 5795MHz                        | Pass   | PK   | 5.6498G      | 58.45             | 68.20             | -9.75          | 3.44           | 3           | Vertical   | 32             | 1.39          | -        |
| 5795MHz                        | Pass   | PK   | 5.8058G      | 116.94            | Inf               | -Inf           | 3.74           | 3           | Vertical   | 32             | 1.39          | -        |
| 5795MHz                        | Pass   | PK   | 5.9282G      | 64.04             | 68.20             | -4.16          | 3.99           | 3           | Vertical   | 32             | 1.39          | -        |
| 5795MHz                        | Pass   | AV   | 5.7938G      | 98.76             | Inf               | -Inf           | 3.72           | 3           | Horizontal | 158            | 1.53          | -        |
| 5795MHz                        | Pass   | PK   | 5.603G       | 53.89             | 68.20             | -14.31         | 3.34           | 3           | Horizontal | 158            | 1.53          | -        |
| 5795MHz                        | Pass   | PK   | 5.7914G      | 110.54            | Inf               | -Inf           | 3.71           | 3           | Horizontal | 158            | 1.53          | -        |
| 5795MHz                        | Pass   | PK   | 5.9582G      | 55.91             | 68.20             | -12.29         | 4.04           | 3           | Horizontal | 158            | 1.53          | -        |
| 5795MHz                        | Pass   | AV   | 11.49626G    | 37.08             | 54.00             | -16.92         | 13.57          | 3           | Vertical   | 104            | 1.77          | -        |
| 5795MHz                        | Pass   | PK   | 11.50178G    | 50.19             | 74.00             | -23.81         | 13.57          | 3           | Vertical   | 104            | 1.77          | -        |
| 5795MHz                        | Pass   | AV   | 11.51036G    | 37.03             | 54.00             | -16.97         | 13.56          | 3           | Horizontal | 96             | 1.92          | -        |
| 5795MHz                        | Pass   | PK   | 11.50634G    | 50.52             | 74.00             | -23.48         | 13.56          | 3           | Horizontal | 96             | 1.92          | -        |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5775MHz                        | Pass   | AV   | 5.7702G      | 104.73            | Inf               | -Inf           | 3.67           | 3           | Vertical   | 258            | 1.55          | -        |
| 5775MHz                        | Pass   | PK   | 5.6502G      | 67.29             | 68.35             | -1.06          | 3.44           | 3           | Vertical   | 258            | 1.55          | -        |
| 5775MHz                        | Pass   | PK   | 5.7642G      | 113.69            | Inf               | -Inf           | 3.66           | 3           | Vertical   | 258            | 1.55          | -        |
| 5775MHz                        | Pass   | PK   | 5.925G       | 65.20             | 68.20             | -3.00          | 3.98           | 3           | Vertical   | 258            | 1.55          | -        |
| 5775MHz                        | Pass   | AV   | 5.769G       | 93.15             | Inf               | -Inf           | 3.67           | 3           | Horizontal | 215            | 1.57          | -        |
| 5775MHz                        | Pass   | PK   | 5.6502G      | 58.76             | 68.35             | -9.59          | 3.44           | 3           | Horizontal | 215            | 1.57          | -        |
| 5775MHz                        | Pass   | PK   | 5.7546G      | 103.90            | Inf               | -Inf           | 3.64           | 3           | Horizontal | 215            | 1.57          | -        |
| 5775MHz                        | Pass   | PK   | 5.9286G      | 56.52             | 68.20             | -11.68         | 3.99           | 3           | Horizontal | 215            | 1.57          | -        |
| 5775MHz                        | Pass   | AV   | 11.54982G    | 37.37             | 54.00             | -16.63         | 13.52          | 3           | Vertical   | 322            | 2.99          | -        |
| 5775MHz                        | Pass   | PK   | 11.55786G    | 50.94             | 74.00             | -23.06         | 13.52          | 3           | Vertical   | 322            | 2.99          | -        |
| 5775MHz                        | Pass   | AV   | 11.55G       | 38.86             | 54.00             | -15.14         | 13.52          | 3           | Horizontal | 127            | 1.46          | -        |
| 5775MHz                        | Pass   | PK   | 11.55G       | 50.50             | 74.00             | -23.50         | 13.52          | 3           | Horizontal | 127            | 1.46          | -        |
| 802.11ax HEW80_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5775MHz                        | Pass   | AV   | 5.7714G      | 102.50            | Inf               | -Inf           | 3.68           | 3           | Vertical   | 310            | 1.50          | -        |
| 5775MHz                        | Pass   | PK   | 5.6454G      | 66.32             | 68.20             | -1.88          | 3.43           | 3           | Vertical   | 310            | 1.50          | -        |
| 5775MHz                        | Pass   | PK   | 5.7762G      | 114.71            | Inf               | -Inf           | 3.68           | 3           | Vertical   | 310            | 1.50          | -        |
| 5775MHz                        | Pass   | PK   | 5.925G       | 65.74             | 68.20             | -2.46          | 3.98           | 3           | Vertical   | 310            | 1.50          | -        |
| 5775MHz                        | Pass   | AV   | 5.7798G      | 93.21             | Inf               | -Inf           | 3.69           | 3           | Horizontal | 213            | 1.34          | -        |
| 5775MHz                        | Pass   | PK   | 5.6454G      | 57.91             | 68.20             | -10.29         | 3.43           | 3           | Horizontal | 213            | 1.34          | -        |
| 5775MHz                        | Pass   | PK   | 5.769G       | 105.60            | Inf               | -Inf           | 3.67           | 3           | Horizontal | 213            | 1.34          | -        |
| 5775MHz                        | Pass   | PK   | 5.925G       | 59.07             | 68.20             | -9.13          | 3.98           | 3           | Horizontal | 213            | 1.34          | -        |
| 5775MHz                        | Pass   | AV   | 11.5629G     | 37.10             | 54.00             | -16.90         | 13.51          | 3           | Vertical   | 312            | 2.00          | -        |



## RSE TX above 1GHz Result\_ Non-Beamforming

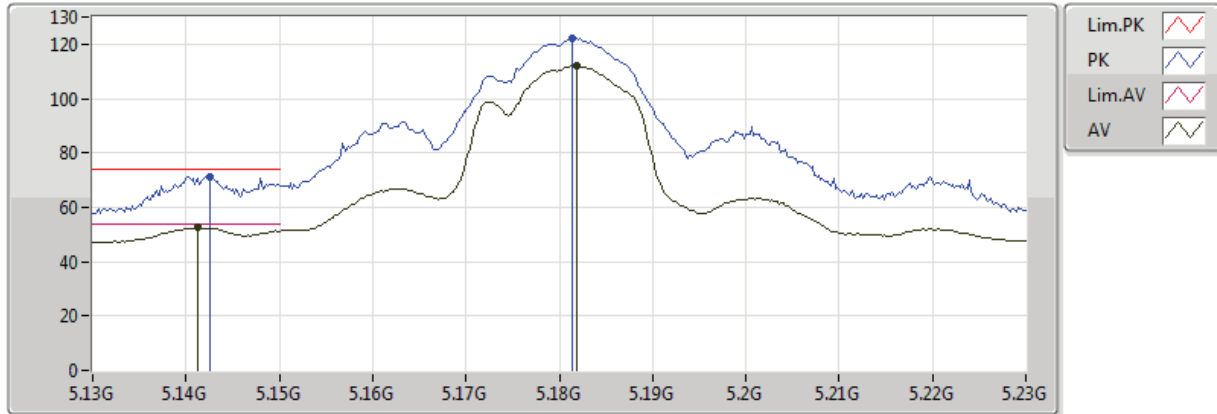
## Appendix D.2

| Mode    | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|---------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 5775MHz | Pass   | PK   | 11.5476G     | 50.79             | 74.00             | -23.21         | 13.53          | 3           | Vertical   | 312            | 2.00          | -        |
| 5775MHz | Pass   | AV   | 11.5356G     | 36.89             | 54.00             | -17.11         | 13.54          | 3           | Horizontal | 269            | 1.69          | -        |
| 5775MHz | Pass   | PK   | 11.54112G    | 50.39             | 74.00             | -23.61         | 13.53          | 3           | Horizontal | 269            | 1.69          | -        |

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

## 5180MHz\_TX

15/08/2018

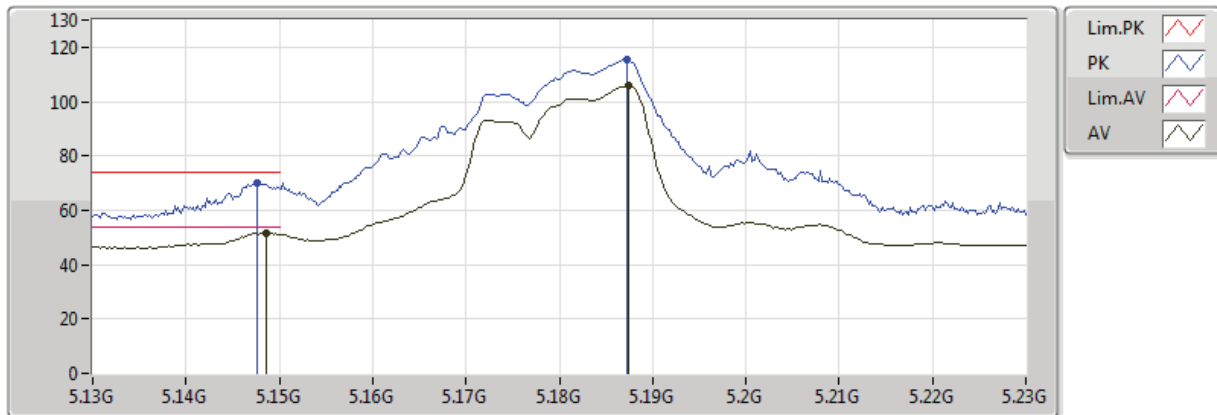


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.1412G      | 52.69             | 54.00             | -1.31          | 2.73           | 3           | Vertical  | 218            | 1.50          | -        |
| AV   | 5.1818G      | 111.94            | Inf               | -Inf           | 2.78           | 3           | Vertical  | 218            | 1.50          | -        |
| PK   | 5.1426G      | 71.34             | 74.00             | -2.66          | 2.74           | 3           | Vertical  | 218            | 1.50          | -        |
| PK   | 5.1814G      | 122.18            | Inf               | -Inf           | 2.78           | 3           | Vertical  | 218            | 1.50          | -        |

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

## 5180MHz\_TX

15/08/2018



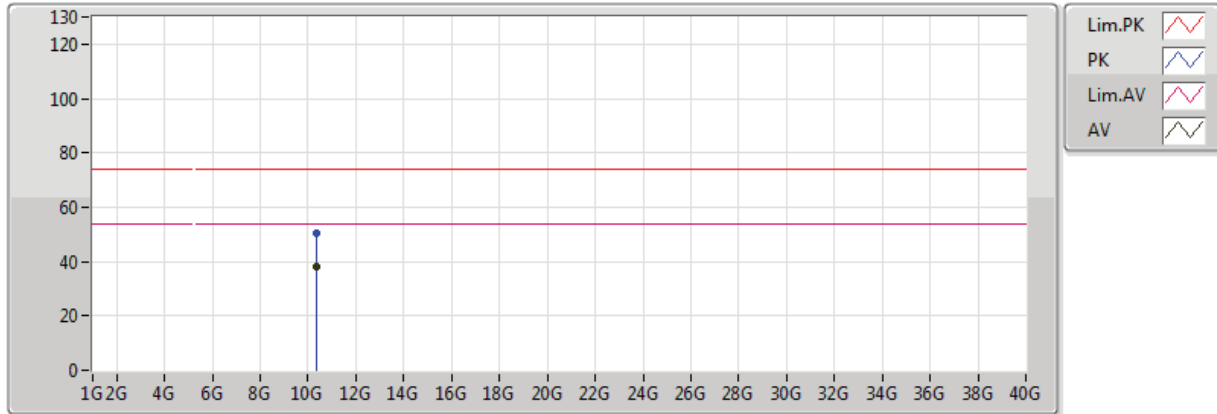
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.1486G      | 51.63             | 54.00             | -2.37          | 3.68           | 3           | Horizontal | 179            | 1.11          | -        |
| AV   | 5.1874G      | 105.78            | Inf               | -Inf           | 3.75           | 3           | Horizontal | 179            | 1.11          | -        |
| PK   | 5.1476G      | 69.82             | 74.00             | -4.18          | 3.68           | 3           | Horizontal | 179            | 1.11          | -        |
| PK   | 5.1872G      | 115.55            | Inf               | -Inf           | 3.75           | 3           | Horizontal | 179            | 1.11          | -        |



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

## 5180MHz\_TX

17/08/2018

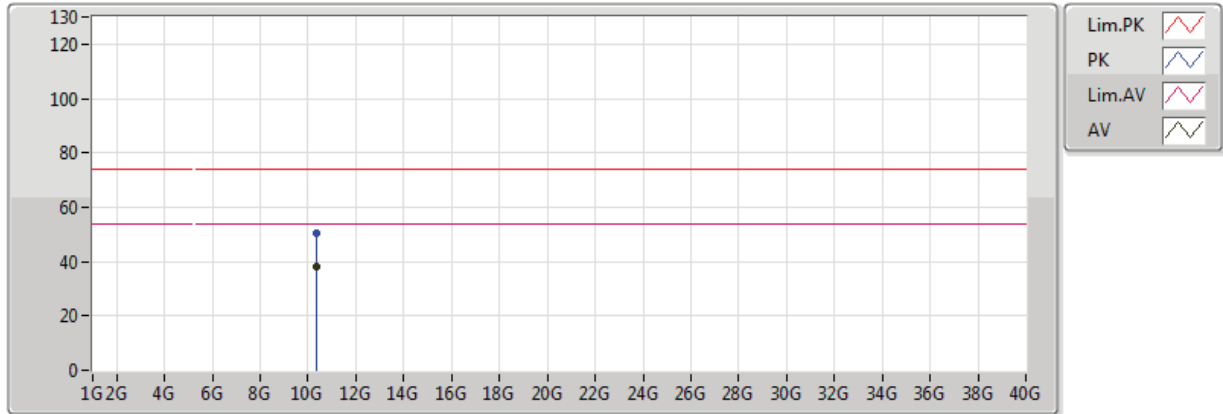


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 10.36036G    | 37.87             | 54.00             | -16.13         | 12.64          | 3           | Vertical  | 41             | 2.42          | -        |
| PK   | 10.3566G     | 50.63             | 74.00             | -23.37         | 12.63          | 3           | Vertical  | 41             | 2.42          | -        |

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

## 5180MHz\_TX

17/08/2018

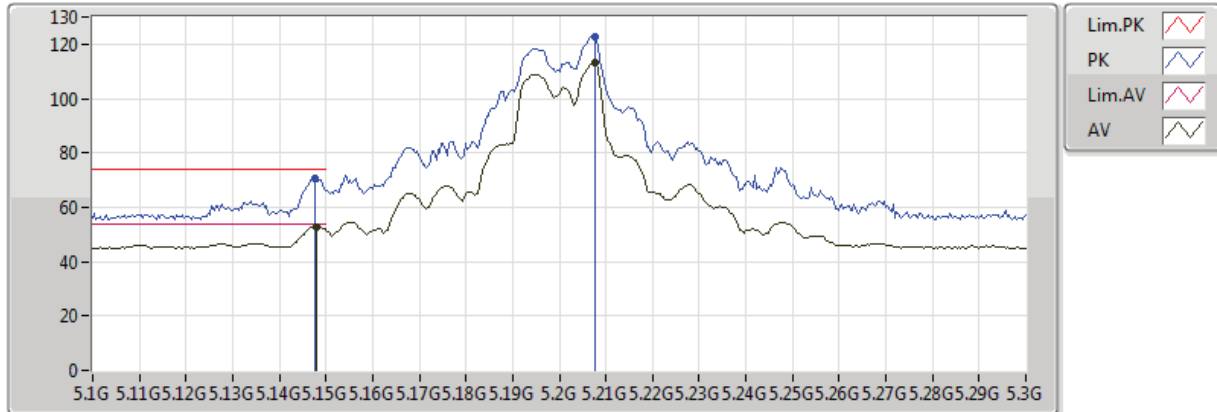


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.35526G    | 38.07             | 54.00             | -15.93         | 12.62          | 3           | Horizontal | 96             | 1.53          | -        |
| PK   | 10.36002G    | 50.51             | 74.00             | -23.49         | 12.63          | 3           | Horizontal | 96             | 1.53          | -        |

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

### 5200MHz\_TX

15/08/2018

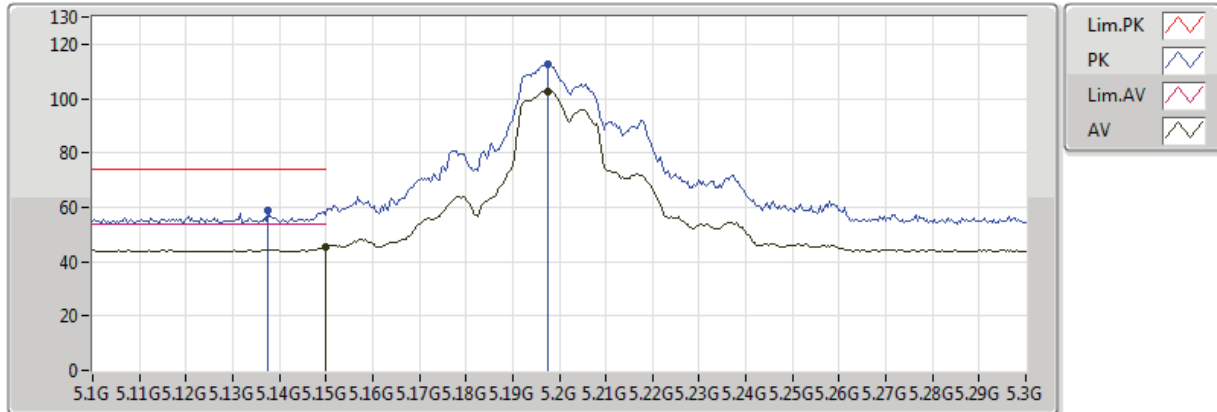


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.148G       | 52.93             | 54.00             | -1.07          | 3.68           | 3           | Vertical  | 188            | 1.50          | -        |
| AV   | 5.2076G      | 113.10            | Inf               | -Inf           | 3.78           | 3           | Vertical  | 188            | 1.50          | -        |
| PK   | 5.1476G      | 70.69             | 74.00             | -3.31          | 3.68           | 3           | Vertical  | 188            | 1.50          | -        |
| PK   | 5.2076G      | 122.59            | Inf               | -Inf           | 3.78           | 3           | Vertical  | 188            | 1.50          | -        |

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

### 5200MHz\_TX

15/08/2018

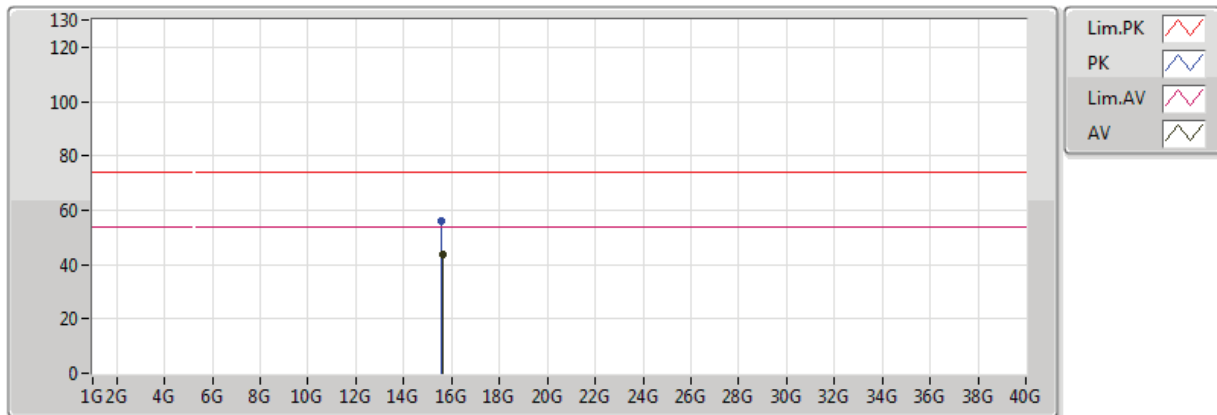


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.149995G    | 45.23             | 54.00             | -8.77          | 3.68           | 3           | Horizontal | 167            | 1.46          | -        |
| AV   | 5.1976G      | 102.74            | Inf               | -Inf           | 3.77           | 3           | Horizontal | 167            | 1.46          | -        |
| PK   | 5.1376G      | 58.73             | 74.00             | -15.27         | 3.66           | 3           | Horizontal | 167            | 1.46          | -        |
| PK   | 5.1976G      | 112.76            | Inf               | -Inf           | 3.77           | 3           | Horizontal | 167            | 1.46          | -        |

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

## 5200MHz\_TX

17/08/2018

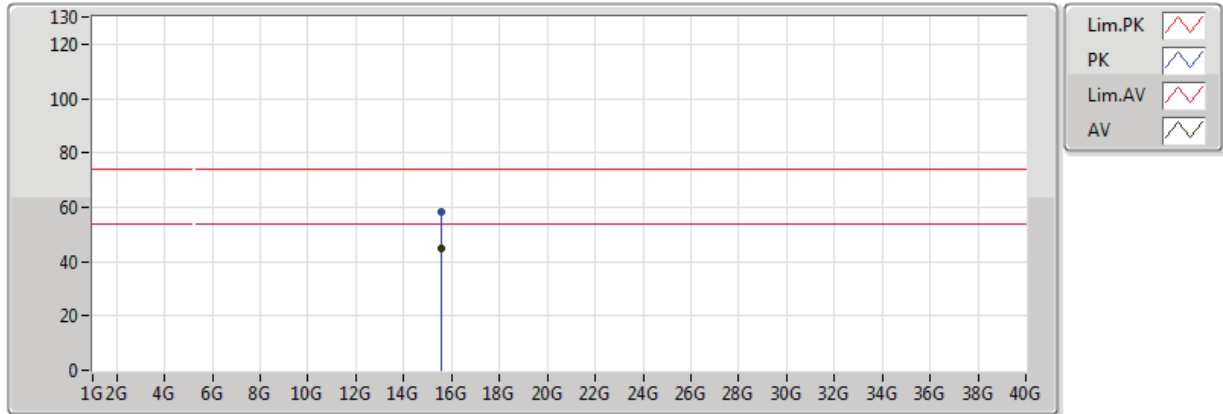


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 15.60404G    | 43.61             | 54.00             | -10.39         | 13.77          | 3           | Vertical  | 126            | 2.41          | -        |
| PK   | 15.59668G    | 56.19             | 74.00             | -17.81         | 13.81          | 3           | Vertical  | 126            | 2.41          | -        |

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

## 5200MHz\_TX

17/08/2018

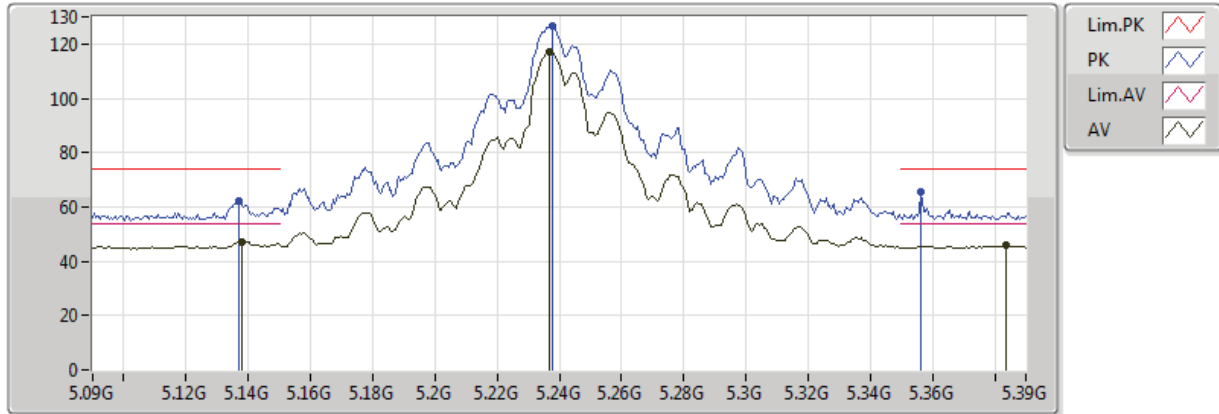


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 15.59986G    | 45.03             | 54.00             | -8.97          | 13.79          | 3           | Horizontal | 313            | 2.08          | -        |
| PK   | 15.59732G    | 58.05             | 74.00             | -15.95         | 13.80          | 3           | Horizontal | 313            | 2.08          | -        |

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

### 5240MHz\_TX

15/08/2018

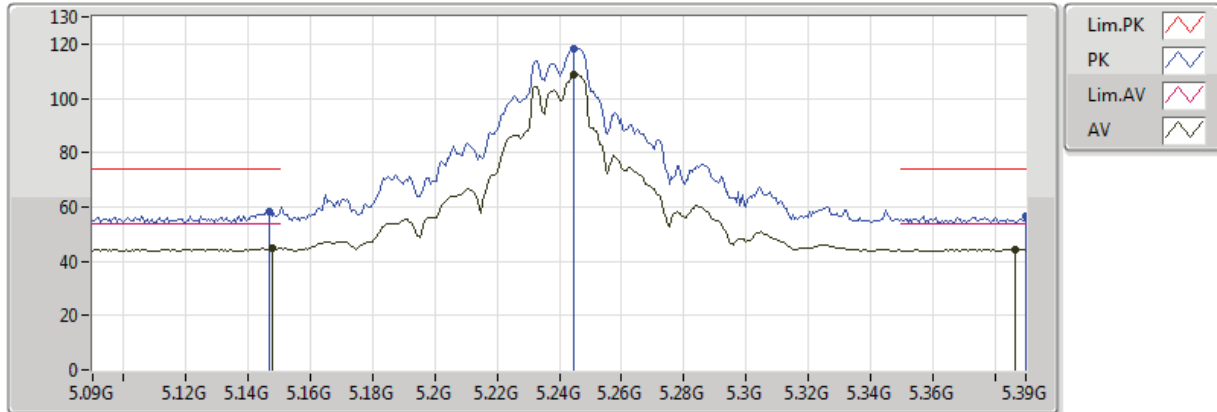


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.138G       | 47.08             | 54.00             | -6.92          | 3.66           | 3           | Vertical  | 344            | 1.99          | -        |
| AV   | 5.237G       | 117.17            | Inf               | -Inf           | 3.84           | 3           | Vertical  | 344            | 1.99          | -        |
| AV   | 5.3834G      | 45.78             | 54.00             | -8.22          | 4.11           | 3           | Vertical  | 344            | 1.99          | -        |
| PK   | 5.1368G      | 62.27             | 74.00             | -11.73         | 3.65           | 3           | Vertical  | 344            | 1.99          | -        |
| PK   | 5.2376G      | 126.59            | Inf               | -Inf           | 3.84           | 3           | Vertical  | 344            | 1.99          | -        |
| PK   | 5.3564G      | 65.39             | 74.00             | -8.61          | 4.06           | 3           | Vertical  | 344            | 1.99          | -        |

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

## 5240MHz\_TX

15/08/2018



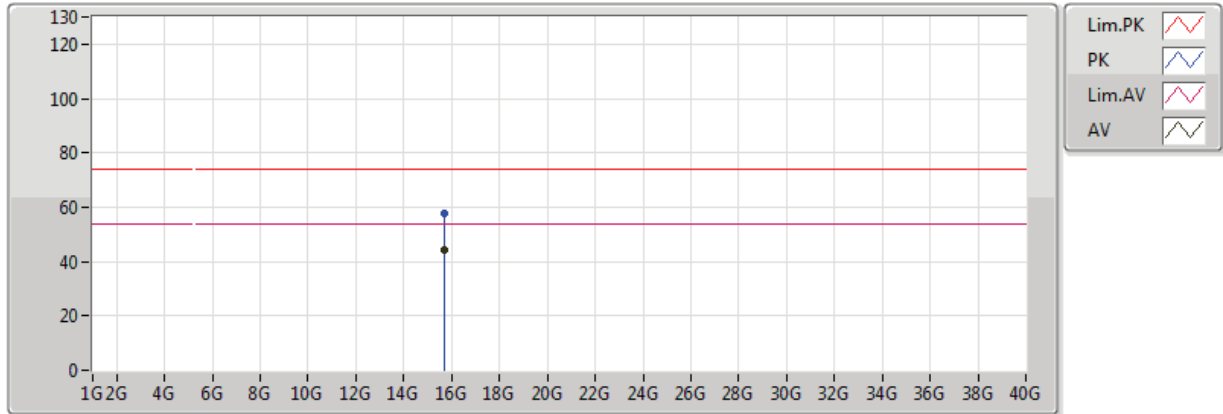
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.1476G      | 44.83             | 54.00             | -9.17          | 3.68           | 3           | Horizontal | 177            | 1.10          | -        |
| AV   | 5.2448G      | 108.63            | Inf               | -Inf           | 3.86           | 3           | Horizontal | 177            | 1.10          | -        |
| AV   | 5.3864G      | 44.22             | 54.00             | -9.78          | 4.11           | 3           | Horizontal | 177            | 1.10          | -        |
| PK   | 5.147G       | 58.46             | 74.00             | -15.54         | 3.68           | 3           | Horizontal | 177            | 1.10          | -        |
| PK   | 5.2448G      | 118.32            | Inf               | -Inf           | 3.86           | 3           | Horizontal | 177            | 1.10          | -        |
| PK   | 5.39G        | 56.74             | 74.00             | -17.26         | 4.12           | 3           | Horizontal | 177            | 1.10          | -        |



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

## 5240MHz\_TX

17/08/2018

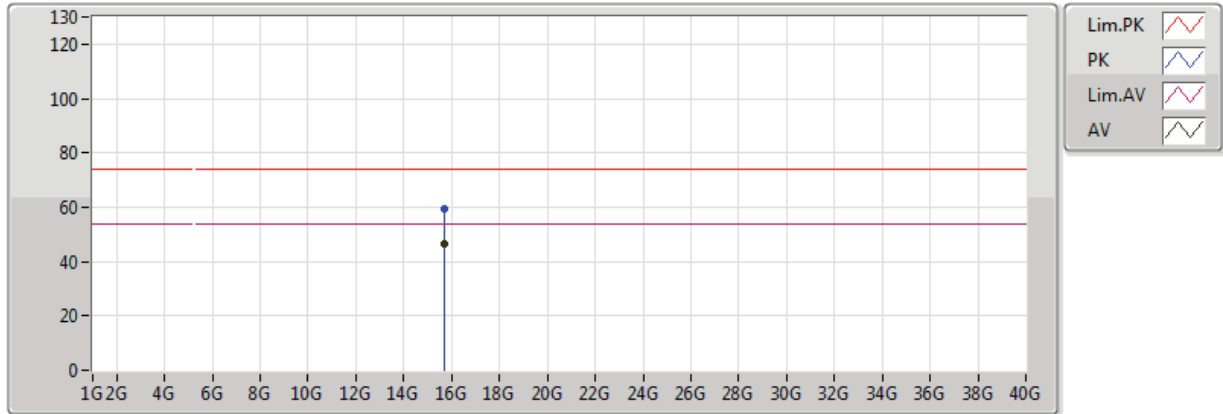


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 15.7188G     | 44.52             | 54.00             | -9.48          | 13.22          | 3           | Vertical  | 94             | 1.66          | -        |
| PK   | 15.7162G     | 57.62             | 74.00             | -16.38         | 13.23          | 3           | Vertical  | 94             | 1.66          | -        |

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

## 5240MHz\_TX

17/08/2018

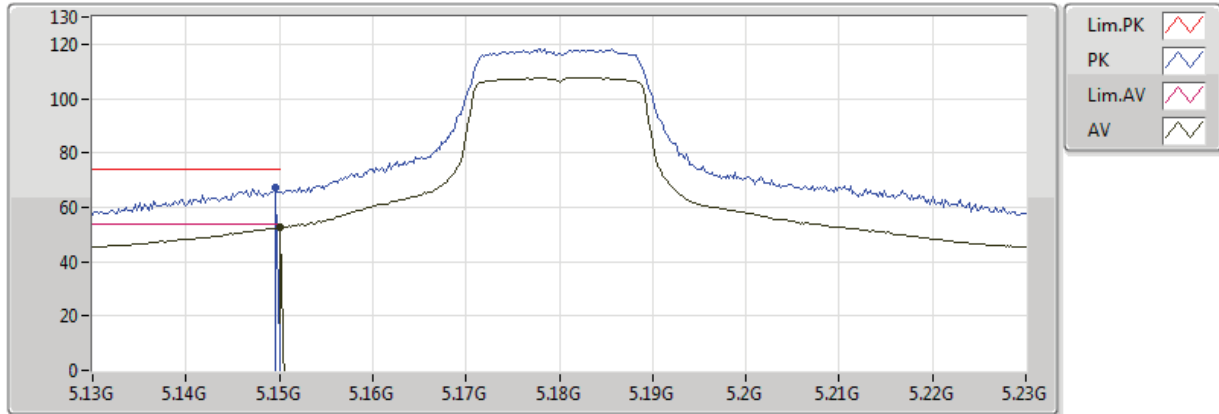


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 15.7188G     | 46.74             | 54.00             | -7.26          | 13.22          | 3           | Horizontal | 290            | 1.56          | -        |
| PK   | 15.714G      | 59.58             | 74.00             | -14.42         | 13.24          | 3           | Horizontal | 290            | 1.56          | -        |

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

## 5180MHz\_TX

15/08/2018

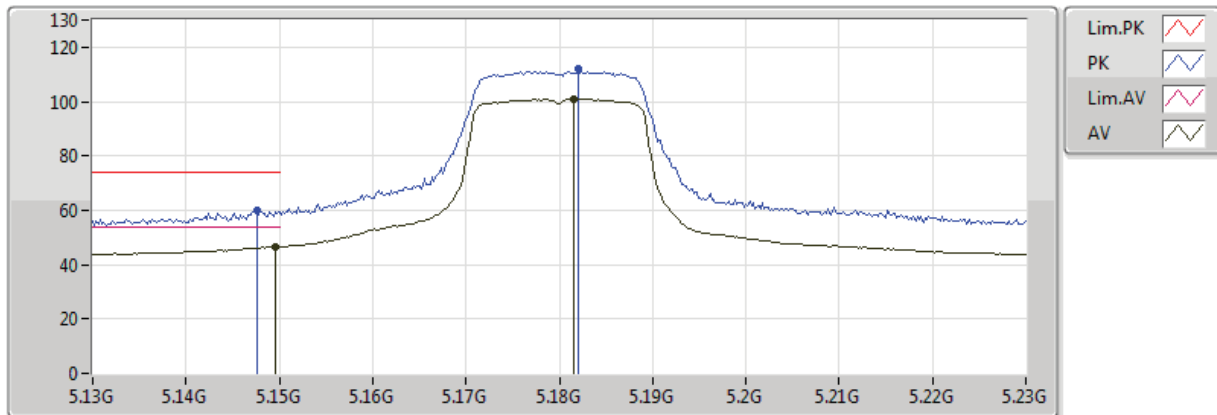


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 52.59             | 54.00             | -1.41          | 2.74           | 3           | Vertical  | 213            | 1.50          | -        |
| AV   | 10.385G      | 36.31             | Inf               | -Inf           | 12.69          | 3           | Vertical  | 213            | 1.50          | -        |
| PK   | 5.1496G      | 67.04             | 74.00             | -6.96          | 2.74           | 3           | Vertical  | 213            | 1.50          | -        |
| PK   | 10.385G      | 36.31             | 68.20             | -31.89         | 12.69          | 3           | Vertical  | 213            | 1.50          | -        |

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

## 5180MHz\_TX

15/08/2018

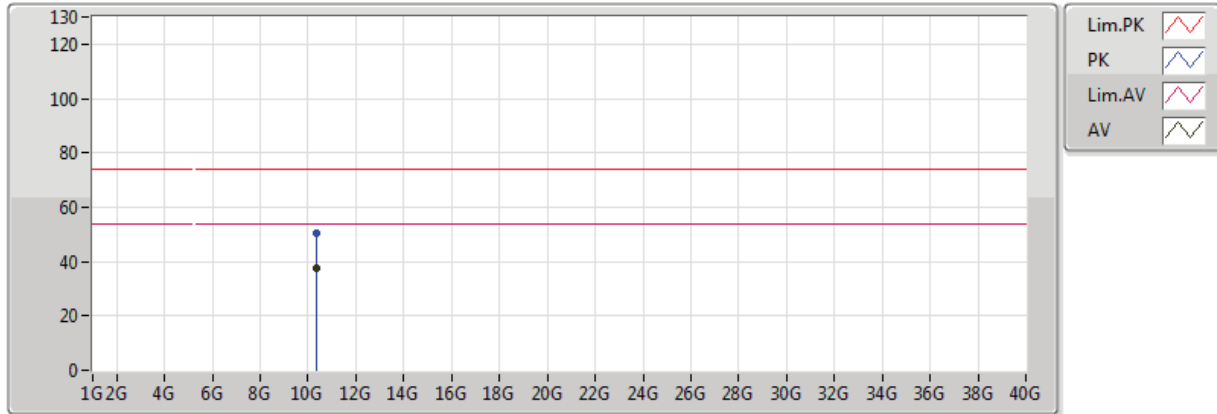


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.1496G      | 46.67             | 54.00             | -7.33          | 3.68           | 3           | Horizontal | 185            | 2.97          | -        |
| AV   | 5.1816G      | 100.83            | Inf               | -Inf           | 3.74           | 3           | Horizontal | 185            | 2.97          | -        |
| PK   | 5.1476G      | 60.00             | 74.00             | -14.00         | 3.68           | 3           | Horizontal | 185            | 2.97          | -        |
| PK   | 5.182G       | 112.31            | Inf               | -Inf           | 3.74           | 3           | Horizontal | 185            | 2.97          | -        |

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

## 5180MHz\_TX

17/08/2018

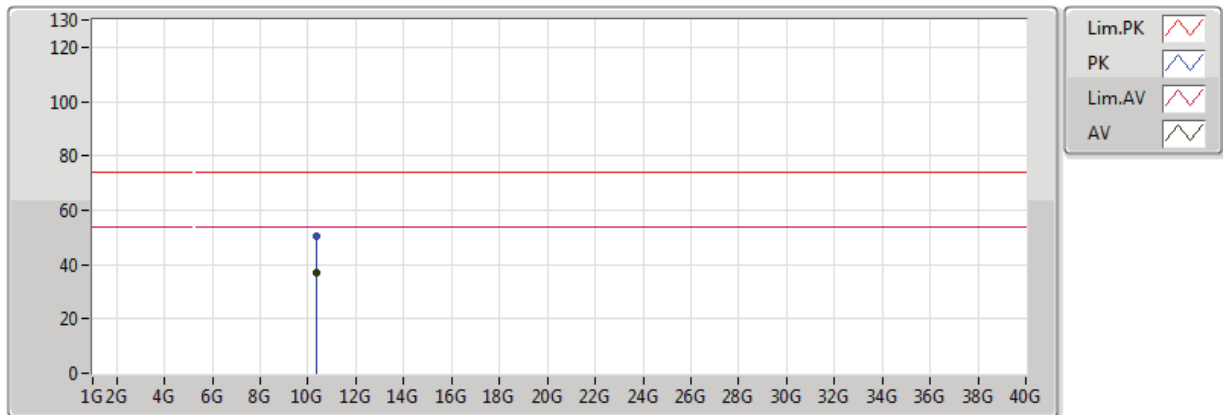


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 10.36248G    | 37.28             | 54.00             | -16.72         | 12.64          | 3           | Vertical  | 312            | 1.35          | -        |
| PK   | 10.3551G     | 50.64             | 74.00             | -23.36         | 12.62          | 3           | Vertical  | 312            | 1.35          | -        |

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

## 5180MHz\_TX

17/08/2018

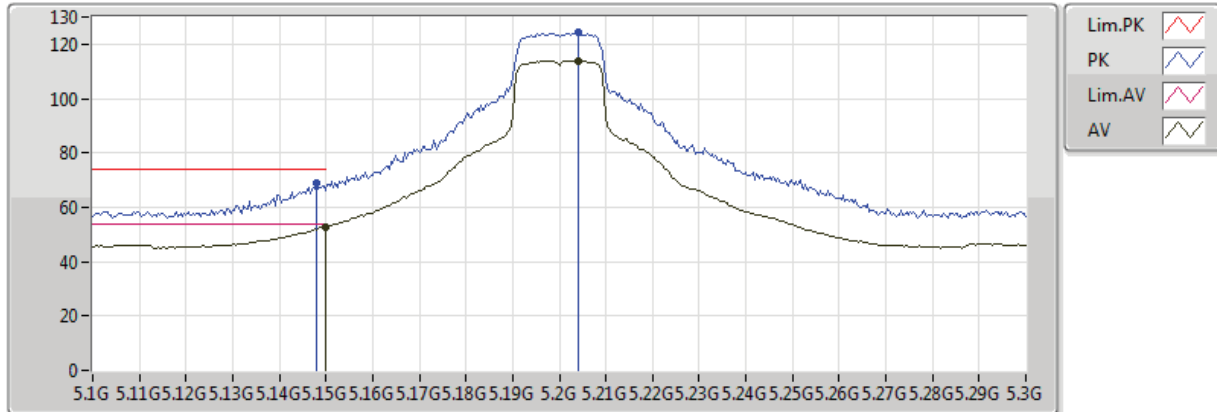


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.35906G    | 37.19             | 54.00             | -16.81         | 12.63          | 3           | Horizontal | 106            | 2.12          | -        |
| PK   | 10.36146G    | 50.57             | 74.00             | -23.43         | 12.64          | 3           | Horizontal | 106            | 2.12          | -        |

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

## 5200MHz\_TX

15/08/2018

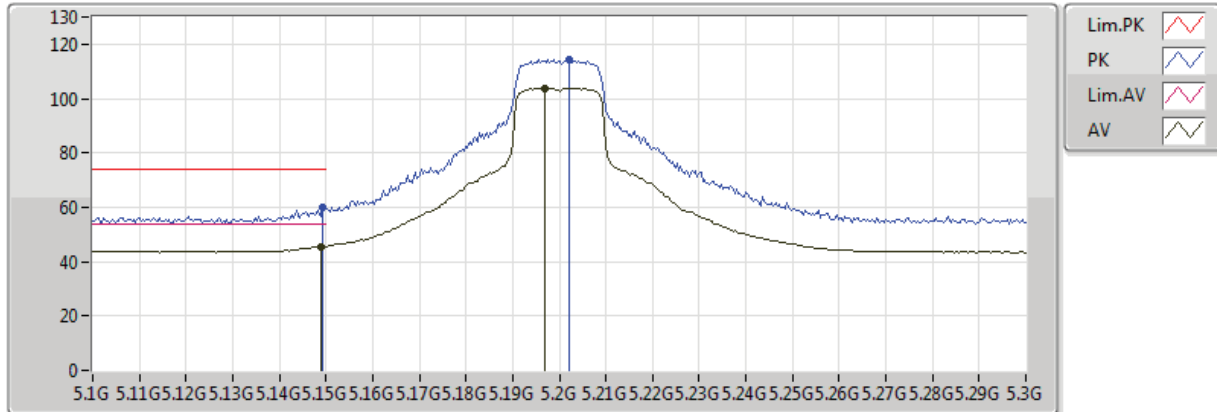


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 52.94             | 54.00             | -1.06          | 3.68           | 3           | Vertical  | 350            | 1.73          | -        |
| AV   | 5.204G       | 113.85            | Inf               | -Inf           | 3.78           | 3           | Vertical  | 350            | 1.73          | -        |
| PK   | 5.148G       | 68.89             | 74.00             | -5.11          | 3.68           | 3           | Vertical  | 350            | 1.73          | -        |
| PK   | 5.204G       | 124.15            | Inf               | -Inf           | 3.78           | 3           | Vertical  | 350            | 1.73          | -        |

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

## 5200MHz\_TX

15/08/2018



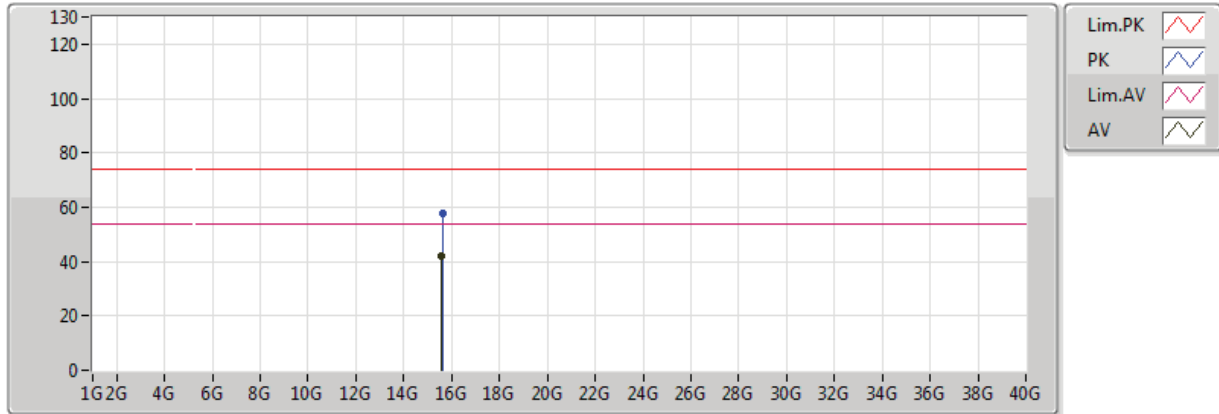
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.1488G      | 45.65             | 54.00             | -8.35          | 3.68           | 3           | Horizontal | 191            | 2.94          | -        |
| AV   | 5.1968G      | 103.88            | Inf               | -Inf           | 3.76           | 3           | Horizontal | 191            | 2.94          | -        |
| PK   | 5.1492G      | 59.95             | 74.00             | -14.05         | 3.68           | 3           | Horizontal | 191            | 2.94          | -        |
| PK   | 5.202G       | 114.17            | Inf               | -Inf           | 3.77           | 3           | Horizontal | 191            | 2.94          | -        |



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

## 5200MHz\_TX

17/08/2018

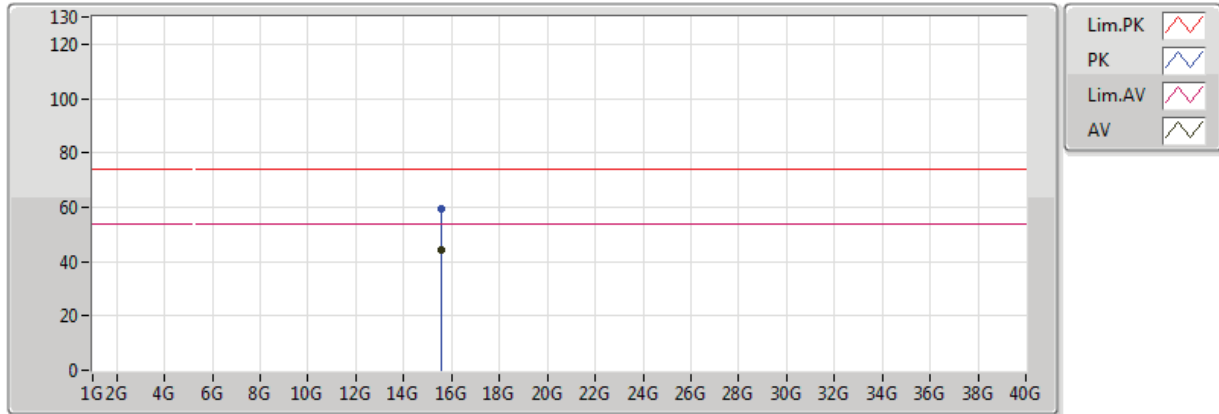


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 15.59542G    | 42.23             | 54.00             | -11.77         | 13.81          | 3           | Vertical  | 73             | 2.34          | -        |
| PK   | 15.6012G     | 57.52             | 74.00             | -16.48         | 13.78          | 3           | Vertical  | 73             | 2.34          | -        |

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

## 5200MHz\_TX

17/08/2018

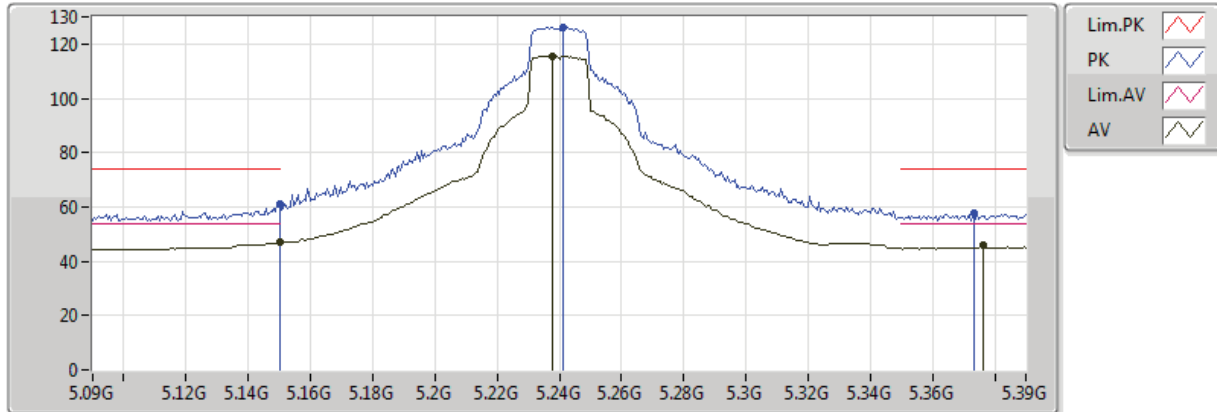


| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|----------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          |
| AV   | 15.5958G  | 44.40    | 54.00    | -9.60  | 13.81  | 3    | Horizontal | 177     | 2.26   | -        |
| PK   | 15.59882G | 59.61    | 74.00    | -14.39 | 13.80  | 3    | Horizontal | 177     | 2.26   | -        |

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

## 5240MHz\_TX

15/08/2018

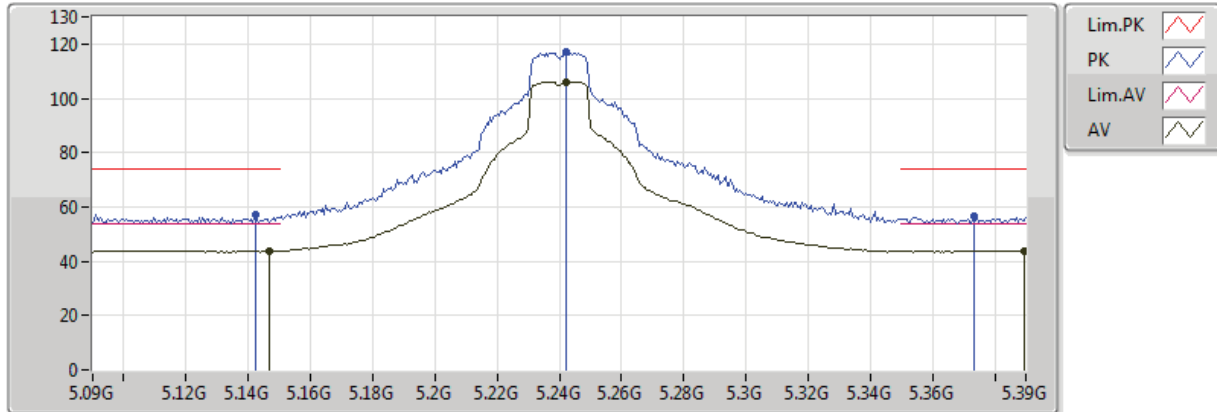


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 46.84             | 54.00             | -7.16          | 3.68           | 3           | Vertical  | 351            | 2.40          | -        |
| AV   | 5.2376G      | 115.67            | Inf               | -Inf           | 3.84           | 3           | Vertical  | 351            | 2.40          | -        |
| AV   | 5.3762G      | 45.88             | 54.00             | -8.12          | 4.10           | 3           | Vertical  | 351            | 2.40          | -        |
| PK   | 5.149995G    | 61.18             | 74.00             | -12.82         | 3.68           | 3           | Vertical  | 351            | 2.40          | -        |
| PK   | 5.2412G      | 126.02            | Inf               | -Inf           | 3.85           | 3           | Vertical  | 351            | 2.40          | -        |
| PK   | 5.3732G      | 57.58             | 74.00             | -16.42         | 4.09           | 3           | Vertical  | 351            | 2.40          | -        |

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

## 5240MHz\_TX

15/08/2018

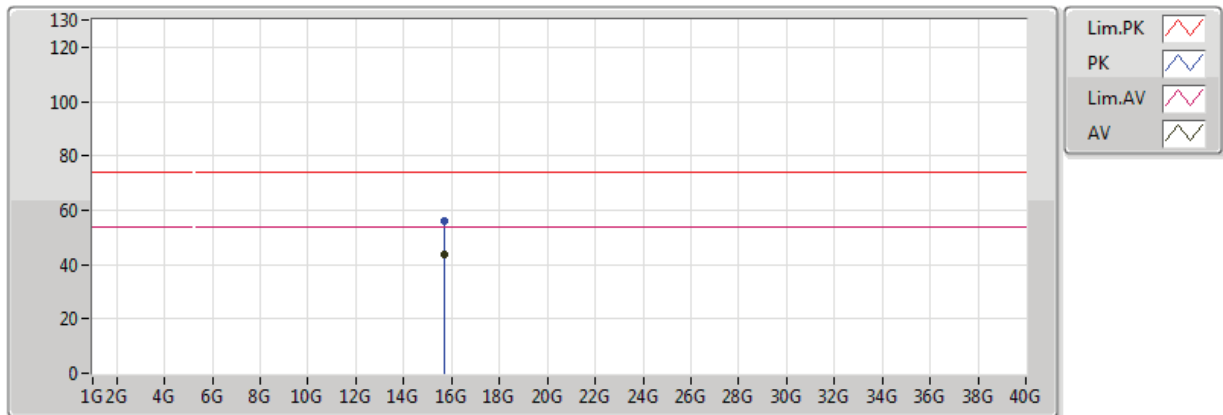


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.147G       | 43.89             | 54.00             | -10.11         | 3.68           | 3           | Horizontal | 179            | 1.11          | -        |
| AV   | 5.2424G      | 106.08            | Inf               | -Inf           | 3.85           | 3           | Horizontal | 179            | 1.11          | -        |
| AV   | 5.3894G      | 43.81             | 54.00             | -10.19         | 4.12           | 3           | Horizontal | 179            | 1.11          | -        |
| PK   | 5.1422G      | 57.06             | 74.00             | -16.94         | 3.67           | 3           | Horizontal | 179            | 1.11          | -        |
| PK   | 5.2424G      | 117.38            | Inf               | -Inf           | 3.85           | 3           | Horizontal | 179            | 1.11          | -        |
| PK   | 5.3732G      | 56.72             | 74.00             | -17.28         | 4.09           | 3           | Horizontal | 179            | 1.11          | -        |

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

## 5240MHz\_TX

17/08/2018

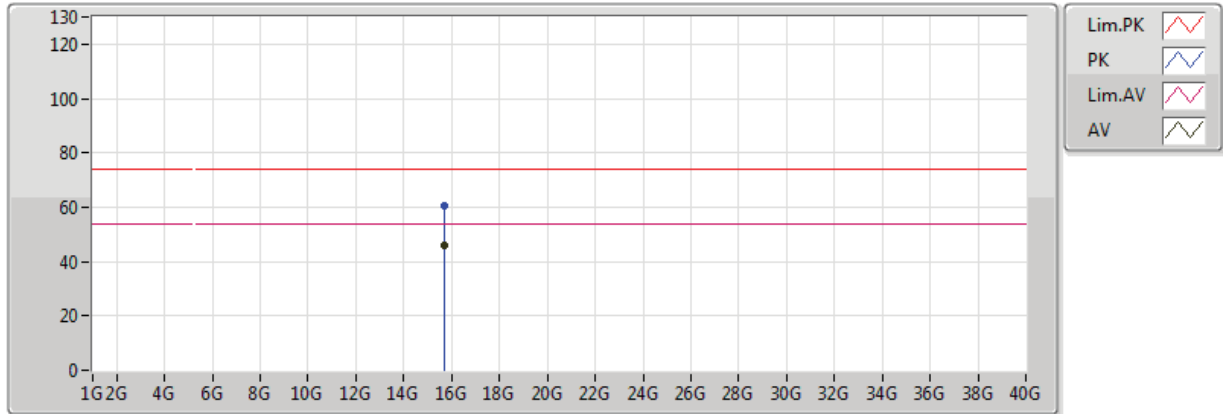


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 15.718G      | 43.58             | 54.00             | -10.42         | 13.22          | 3           | Vertical  | 201            | 1.32          | -        |
| PK   | 15.7212G     | 56.27             | 74.00             | -17.73         | 13.21          | 3           | Vertical  | 201            | 1.32          | -        |

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

## 5240MHz\_TX

17/08/2018

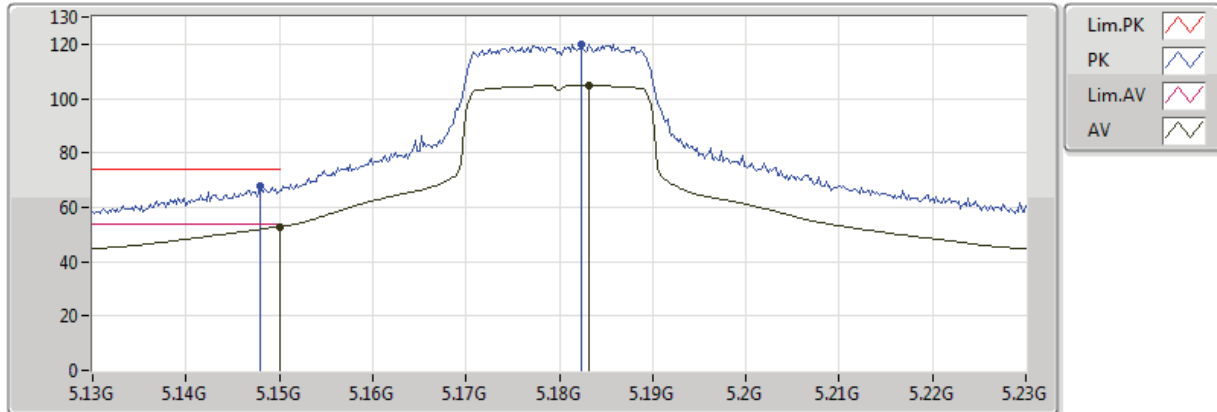


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 15.7172G     | 45.83             | 54.00             | -8.17          | 13.23          | 3           | Horizontal | 287            | 2.41          | -        |
| PK   | 15.7192G     | 60.77             | 74.00             | -13.23         | 13.22          | 3           | Horizontal | 287            | 2.41          | -        |

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

## 5180MHz\_TX

17/08/2018

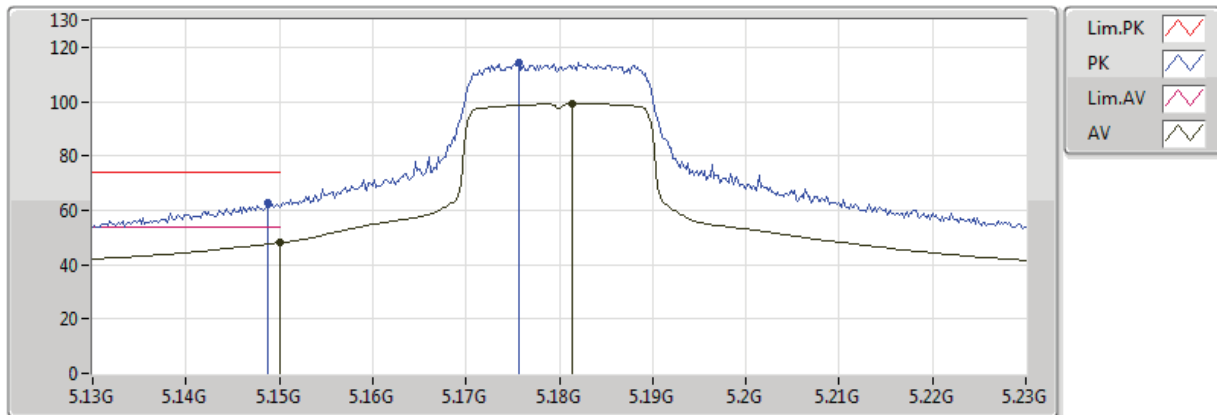


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 52.92             | 54.00             | -1.08          | 2.74           | 3           | Vertical  | 357            | 2.71          | -        |
| AV   | 5.1832G      | 104.76            | Inf               | -Inf           | 2.78           | 3           | Vertical  | 357            | 2.71          | -        |
| PK   | 5.148G       | 67.53             | 74.00             | -6.47          | 2.74           | 3           | Vertical  | 357            | 2.71          | -        |
| PK   | 5.1824G      | 120.13            | Inf               | -Inf           | 2.78           | 3           | Vertical  | 357            | 2.71          | -        |

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

## 5180MHz\_TX

17/08/2018



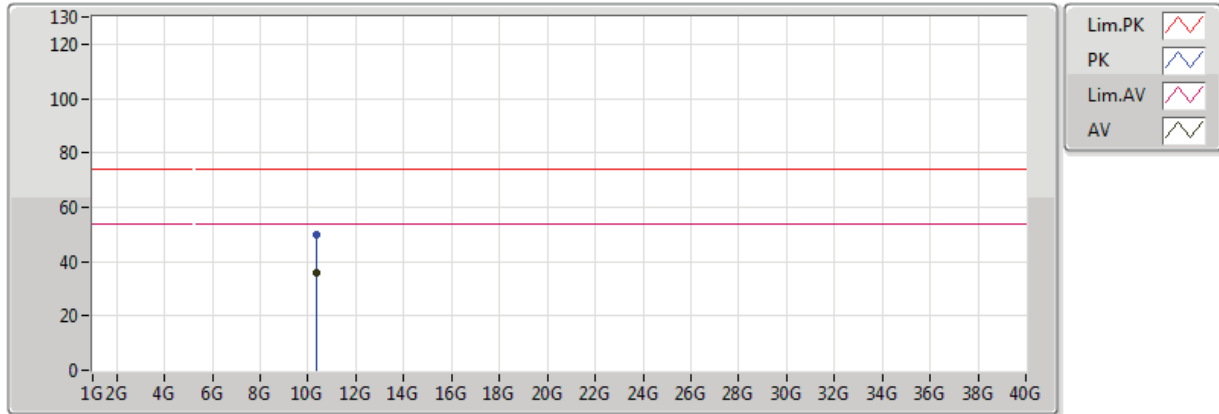
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.149995G    | 48.11             | 54.00             | -5.89          | 2.74           | 3           | Horizontal | 231            | 1.93          | -        |
| AV   | 5.1814G      | 99.12             | Inf               | -Inf           | 2.78           | 3           | Horizontal | 231            | 1.93          | -        |
| PK   | 5.1488G      | 62.71             | 74.00             | -11.29         | 2.74           | 3           | Horizontal | 231            | 1.93          | -        |
| PK   | 5.1756G      | 114.35            | Inf               | -Inf           | 2.77           | 3           | Horizontal | 231            | 1.93          | -        |



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

## 5180MHz\_TX

17/08/2018

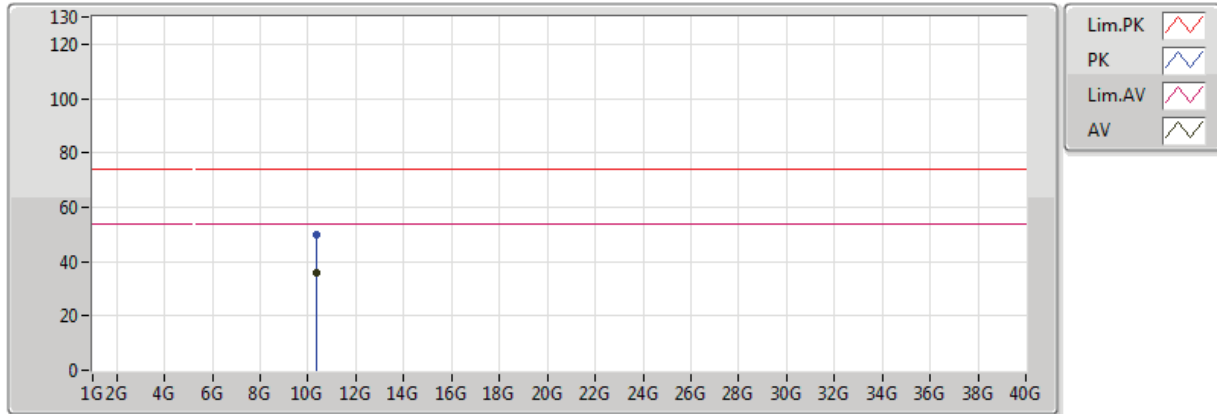


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 10.36126G    | 35.65             | 54.00             | -18.35         | 12.64          | 3           | Vertical  | 56             | 1.55          | -        |
| PK   | 10.36546G    | 49.66             | 74.00             | -24.34         | 12.65          | 3           | Vertical  | 56             | 1.55          | -        |

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

## 5180MHz\_TX

17/08/2018

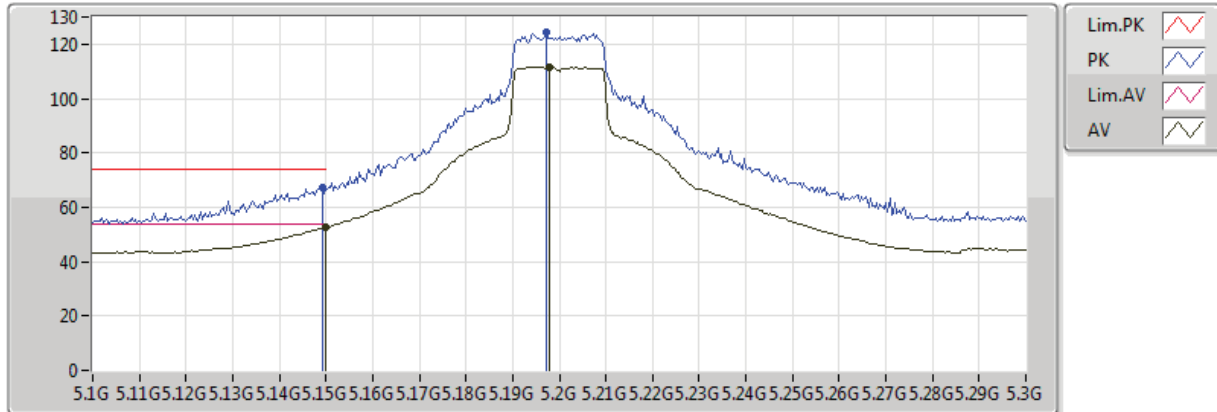


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.36126G    | 35.76             | 54.00             | -18.24         | 12.64          | 3           | Horizontal | 25             | 1.52          | -        |
| PK   | 10.34926G    | 49.76             | 74.00             | -24.24         | 12.61          | 3           | Horizontal | 25             | 1.52          | -        |

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

## 5200MHz\_TX

17/08/2018

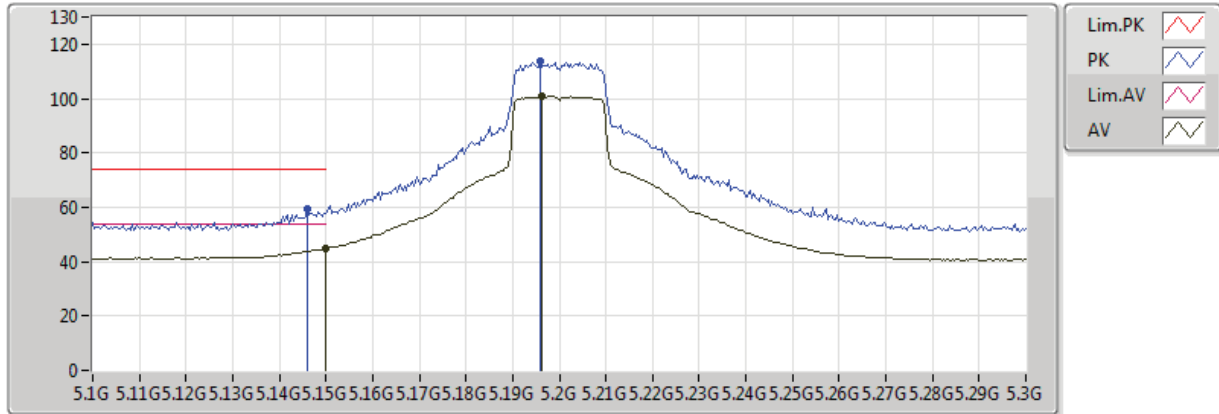


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 52.70             | 54.00             | -1.30          | 2.74           | 3           | Vertical  | 324            | 2.84          | -        |
| AV   | 5.198G       | 111.47            | Inf               | -Inf           | 2.80           | 3           | Vertical  | 324            | 2.84          | -        |
| PK   | 5.1492G      | 67.04             | 74.00             | -6.96          | 2.74           | 3           | Vertical  | 324            | 2.84          | -        |
| PK   | 5.1972G      | 124.13            | Inf               | -Inf           | 2.80           | 3           | Vertical  | 324            | 2.84          | -        |

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

## 5200MHz\_TX

17/08/2018

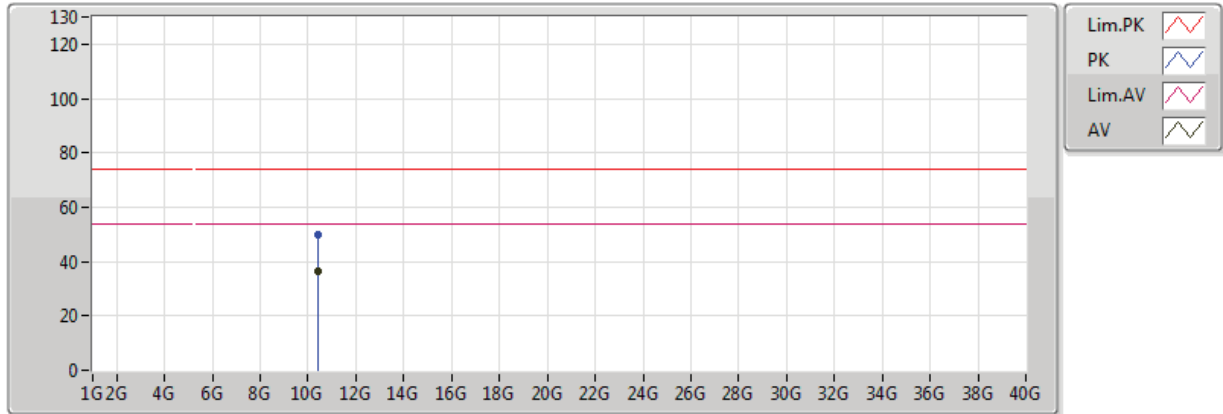


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.149995G    | 44.87             | 54.00             | -9.13          | 2.74           | 3           | Horizontal | 152            | 1.51          | -        |
| AV   | 5.1964G      | 100.77            | Inf               | -Inf           | 2.80           | 3           | Horizontal | 152            | 1.51          | -        |
| PK   | 5.146G       | 59.24             | 74.00             | -14.76         | 2.74           | 3           | Horizontal | 152            | 1.51          | -        |
| PK   | 5.196G       | 113.90            | Inf               | -Inf           | 2.80           | 3           | Horizontal | 152            | 1.51          | -        |

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

## 5200MHz\_TX

17/08/2018

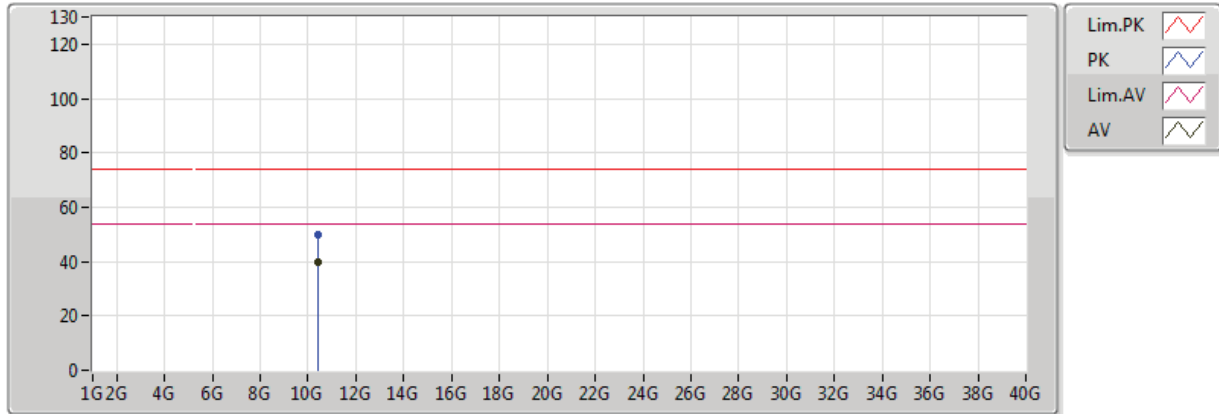


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 10.39736G    | 36.37             | 54.00             | -17.63         | 12.72          | 3           | Vertical  | 88             | 1.67          | -        |
| PK   | 10.38752G    | 49.76             | 74.00             | -24.24         | 12.69          | 3           | Vertical  | 88             | 1.67          | -        |

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

## 5200MHz\_TX

17/08/2018

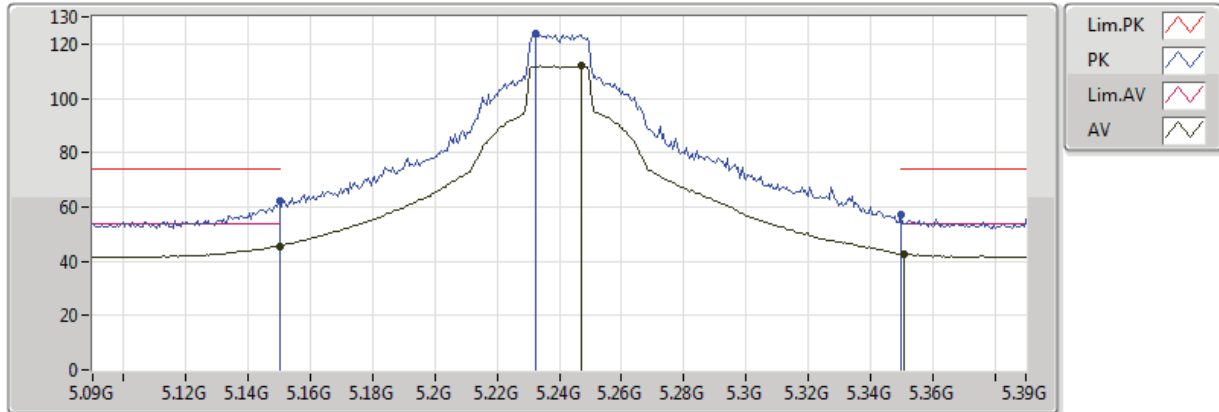


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.39994G    | 39.51             | 54.00             | -14.49         | 12.72          | 3           | Horizontal | 4              | 2.17          | -        |
| PK   | 10.39964G    | 50.06             | 74.00             | -23.94         | 12.72          | 3           | Horizontal | 4              | 2.17          | -        |

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

## 5240MHz\_TX

17/08/2018

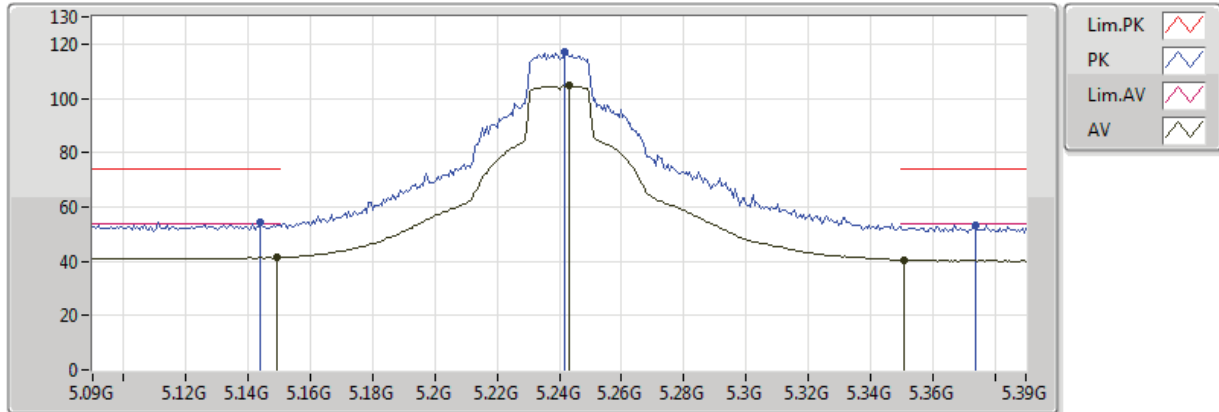


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 45.65             | 54.00             | -8.35          | 2.74           | 3           | Vertical  | 264            | 2.94          | -        |
| AV   | 5.2472G      | 111.89            | Inf               | -Inf           | 2.85           | 3           | Vertical  | 264            | 2.94          | -        |
| AV   | 5.351G       | 42.78             | 54.00             | -11.22         | 2.97           | 3           | Vertical  | 264            | 2.94          | -        |
| PK   | 5.149995G    | 62.10             | 74.00             | -11.90         | 2.74           | 3           | Vertical  | 264            | 2.94          | -        |
| PK   | 5.2322G      | 123.60            | Inf               | -Inf           | 2.84           | 3           | Vertical  | 264            | 2.94          | -        |
| PK   | 5.350005G    | 56.88             | 74.00             | -17.12         | 2.97           | 3           | Vertical  | 264            | 2.94          | -        |

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

## 5240MHz\_TX

17/08/2018



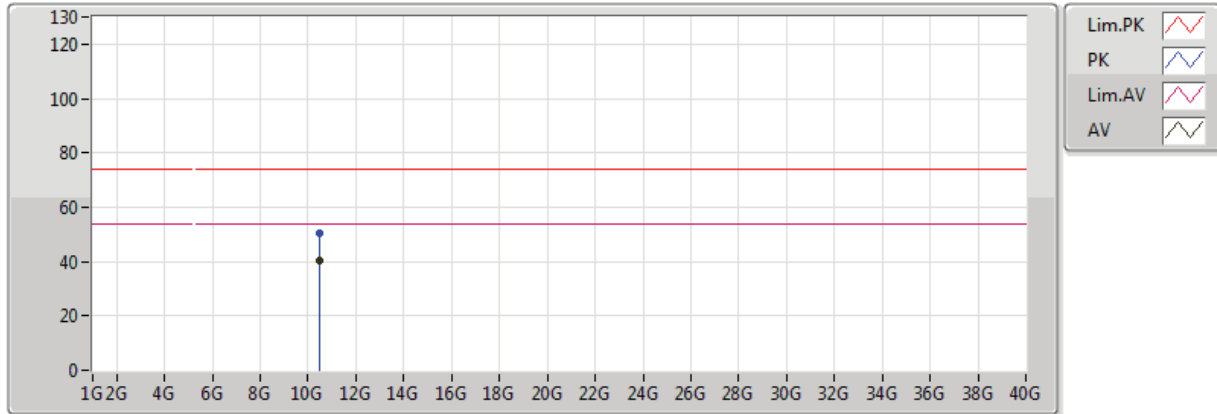
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.1494G      | 41.48             | 54.00             | -12.52         | 2.74           | 3           | Horizontal | 161            | 1.09          | -        |
| AV   | 5.243G       | 104.55            | Inf               | -Inf           | 2.85           | 3           | Horizontal | 161            | 1.09          | -        |
| AV   | 5.351G       | 40.39             | 54.00             | -13.61         | 2.97           | 3           | Horizontal | 161            | 1.09          | -        |
| PK   | 5.144G       | 54.35             | 74.00             | -19.65         | 2.74           | 3           | Horizontal | 161            | 1.09          | -        |
| PK   | 5.2418G      | 117.10            | Inf               | -Inf           | 2.85           | 3           | Horizontal | 161            | 1.09          | -        |
| PK   | 5.3738G      | 53.35             | 74.00             | -20.65         | 2.99           | 3           | Horizontal | 161            | 1.09          | -        |



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

## 5240MHz\_TX

17/08/2018

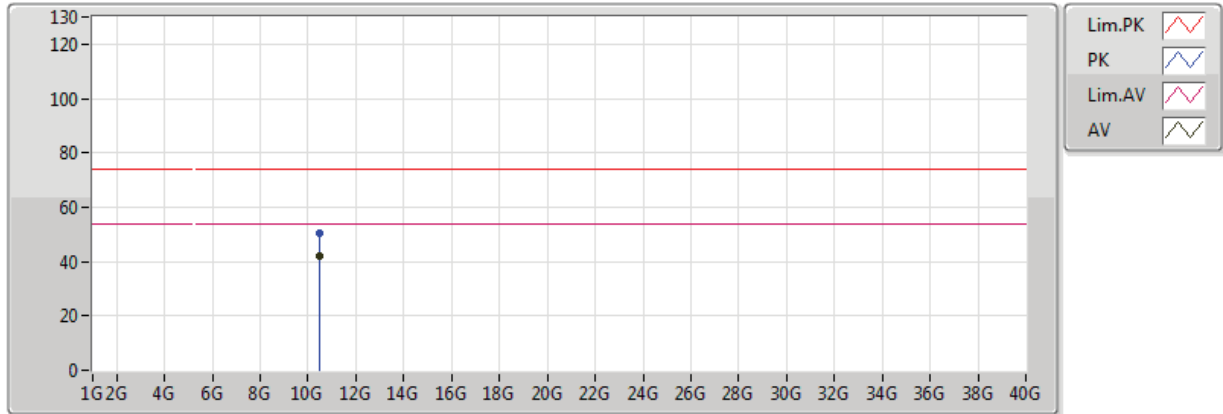


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 10.47988G    | 40.39             | 54.00             | -13.61         | 12.90          | 3           | Vertical  | 92             | 2.99          | -        |
| PK   | 10.47988G    | 50.29             | 74.00             | -23.71         | 12.90          | 3           | Vertical  | 92             | 2.99          | -        |

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

## 5240MHz\_TX

17/08/2018

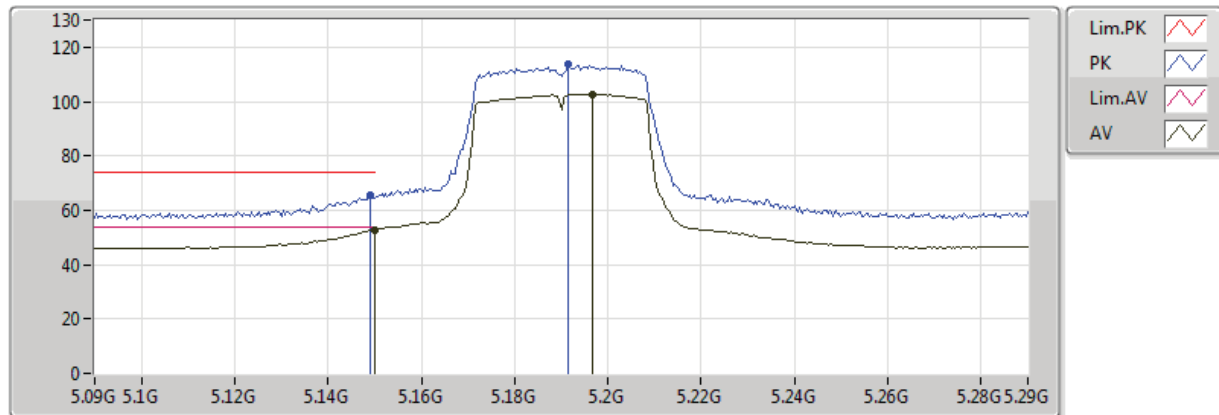


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.47988G    | 42.10             | 54.00             | -11.90         | 12.90          | 3           | Horizontal | 51             | 1.50          | -        |
| PK   | 10.47964G    | 50.70             | 74.00             | -23.30         | 12.90          | 3           | Horizontal | 51             | 1.50          | -        |

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

## 5190MHz\_TX

15/08/2018

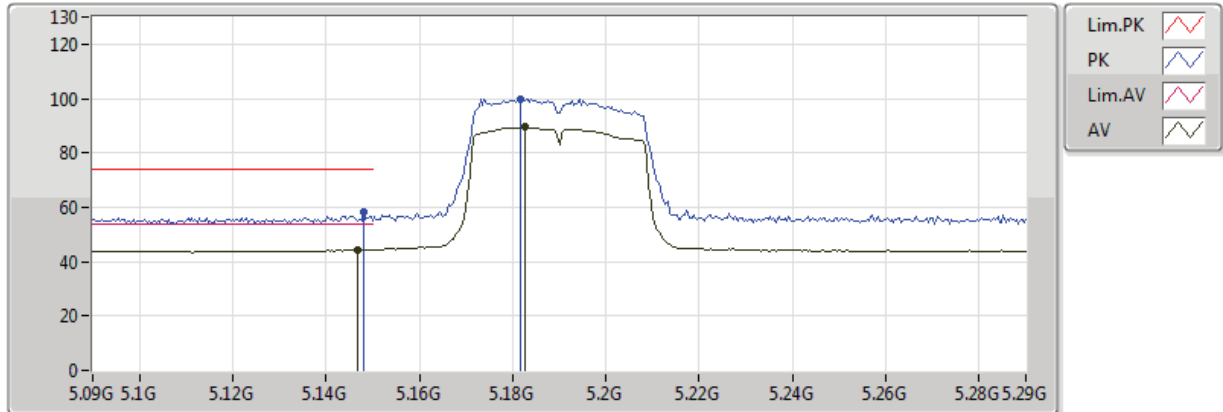


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 52.60             | 54.00             | -1.40          | 2.74           | 3           | Vertical  | 190            | 1.78          | -        |
| AV   | 5.1968G      | 102.64            | Inf               | -Inf           | 2.80           | 3           | Vertical  | 190            | 1.78          | -        |
| PK   | 5.1492G      | 65.32             | 74.00             | -8.68          | 2.74           | 3           | Vertical  | 190            | 1.78          | -        |
| PK   | 5.1916G      | 113.49            | Inf               | -Inf           | 2.79           | 3           | Vertical  | 190            | 1.78          | -        |

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

## 5190MHz\_TX

15/08/2018

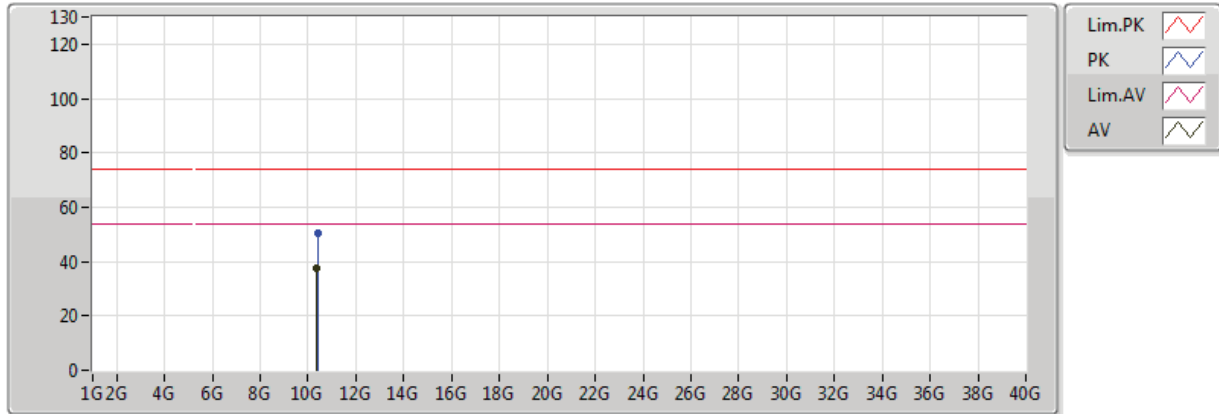


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.1468G      | 44.48             | 54.00             | -9.52          | 3.68           | 3           | Horizontal | 193            | 2.95          | -        |
| AV   | 5.1828G      | 89.38             | Inf               | -Inf           | 3.74           | 3           | Horizontal | 193            | 2.95          | -        |
| PK   | 5.148G       | 58.03             | 74.00             | -15.97         | 3.68           | 3           | Horizontal | 193            | 2.95          | -        |
| PK   | 5.1816G      | 99.92             | Inf               | -Inf           | 3.74           | 3           | Horizontal | 193            | 2.95          | -        |

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

## 5190MHz\_TX

17/08/2018

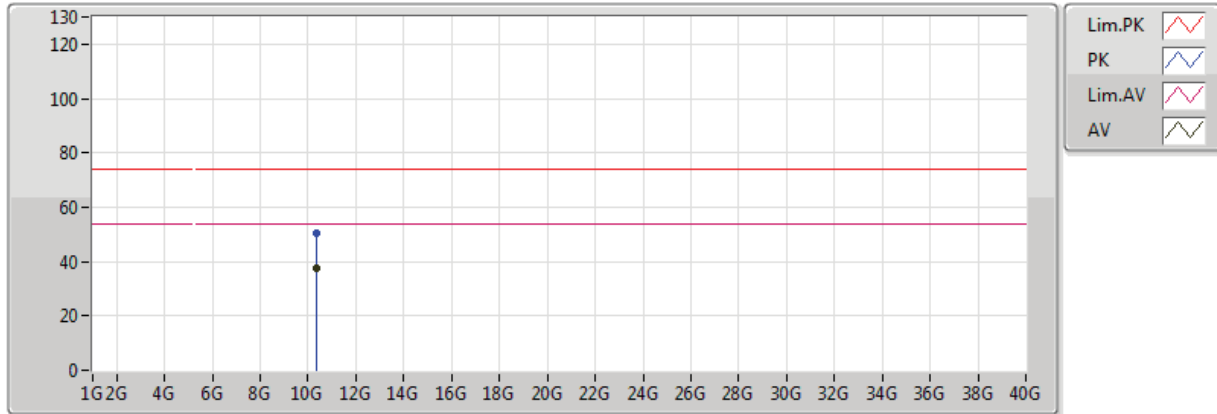


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 10.38302G    | 37.28             | 54.00             | -16.72         | 12.68          | 3           | Vertical  | 21             | 1.84          | -        |
| PK   | 10.3843G     | 50.61             | 74.00             | -23.39         | 12.69          | 3           | Vertical  | 21             | 1.84          | -        |

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

## 5190MHz\_TX

17/08/2018

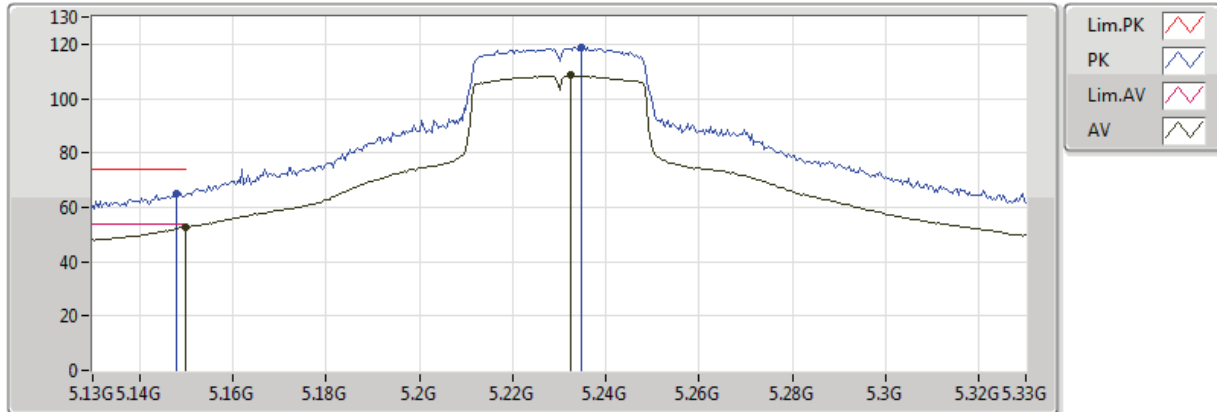


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.37896G    | 37.32             | 54.00             | -16.68         | 12.68          | 3           | Horizontal | 86             | 2.47          | -        |
| PK   | 10.38138G    | 50.31             | 74.00             | -23.69         | 12.68          | 3           | Horizontal | 86             | 2.47          | -        |

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

## 5230MHz\_TX

15/08/2018

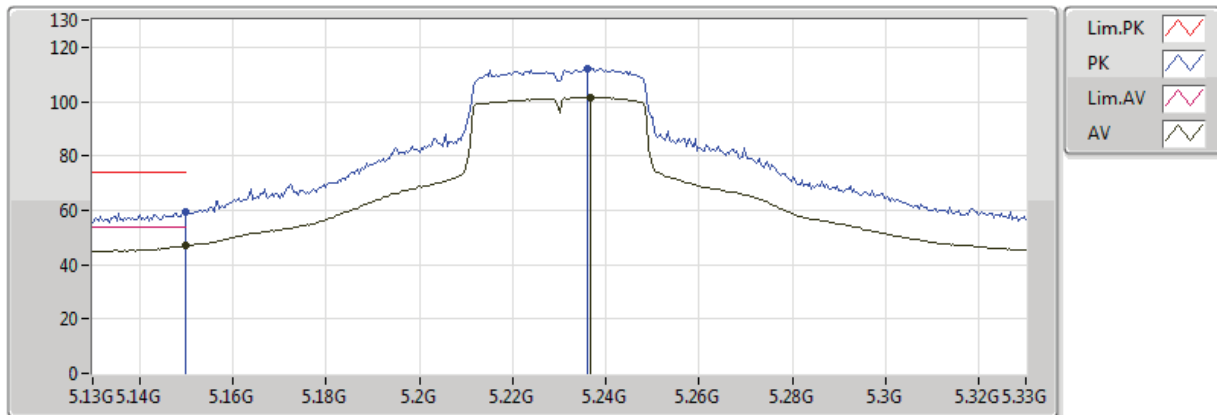


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 52.63             | 54.00             | -1.37          | 3.68           | 3           | Vertical  | 4              | 1.43          | -        |
| AV   | 5.2324G      | 108.43            | Inf               | -Inf           | 3.83           | 3           | Vertical  | 4              | 1.43          | -        |
| PK   | 5.148G       | 65.24             | 74.00             | -8.76          | 3.68           | 3           | Vertical  | 4              | 1.43          | -        |
| PK   | 5.2348G      | 118.72            | Inf               | -Inf           | 3.84           | 3           | Vertical  | 4              | 1.43          | -        |

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

## 5230MHz\_TX

15/08/2018



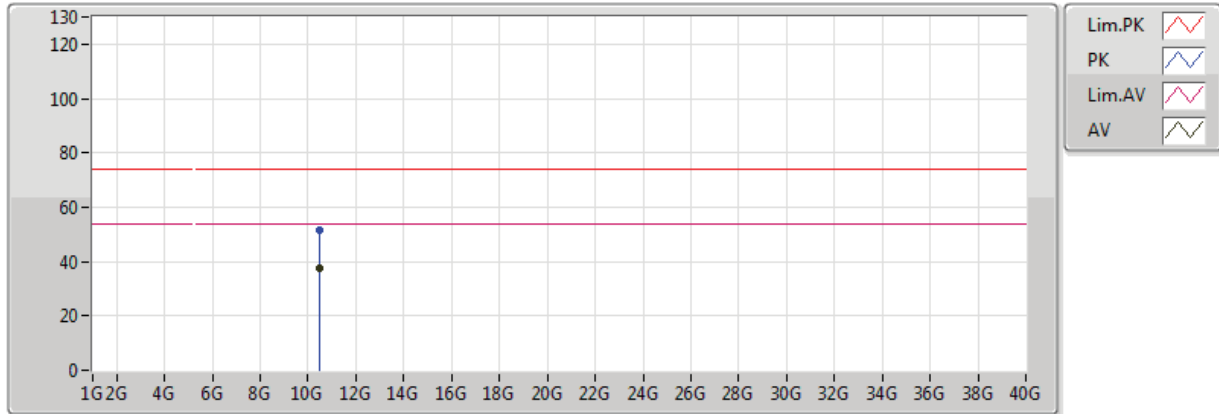
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.149995G    | 47.00             | 54.00             | -7.00          | 3.68           | 3           | Horizontal | 340            | 2.99          | -        |
| AV   | 5.2368G      | 101.62            | Inf               | -Inf           | 3.84           | 3           | Horizontal | 340            | 2.99          | -        |
| PK   | 5.149995G    | 59.22             | 74.00             | -14.78         | 3.68           | 3           | Horizontal | 340            | 2.99          | -        |
| PK   | 5.236G       | 112.24            | Inf               | -Inf           | 3.84           | 3           | Horizontal | 340            | 2.99          | -        |



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

## 5230MHz\_TX

17/08/2018

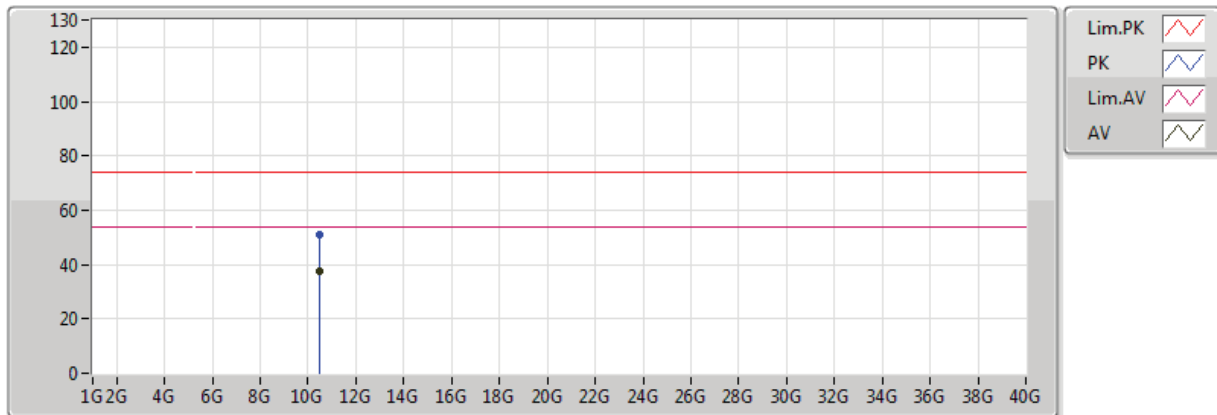


| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|----------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          |
| AV   | 10.46284G | 37.62    | 54.00    | -16.38 | 12.86  | 3    | Vertical  | 180     | 1.02   | -        |
| PK   | 10.46276G | 51.47    | 74.00    | -22.53 | 12.86  | 3    | Vertical  | 180     | 1.02   | -        |

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

## 5230MHz\_TX

17/08/2018

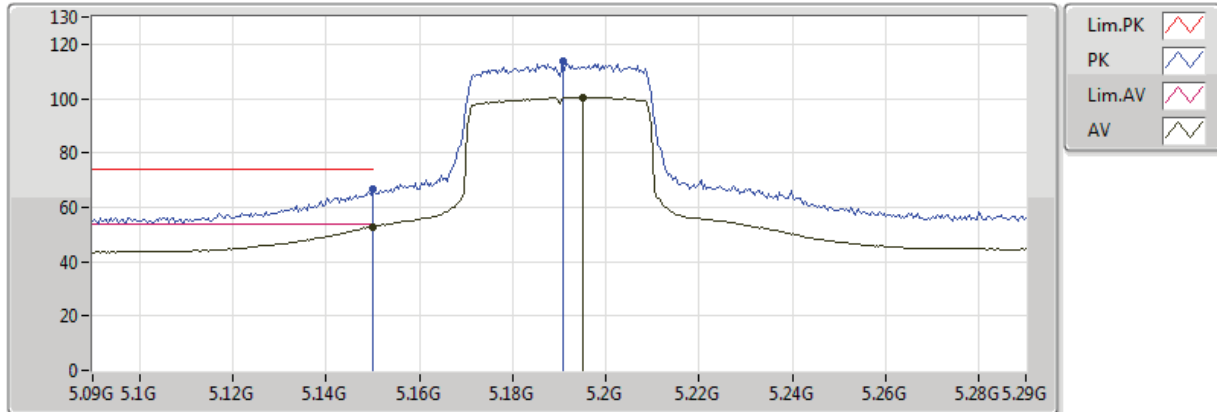


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.46232G    | 37.65             | 54.00             | -16.35         | 12.86          | 3           | Horizontal | 178            | 2.18          | -        |
| PK   | 10.46204G    | 50.75             | 74.00             | -23.25         | 12.86          | 3           | Horizontal | 178            | 2.18          | -        |

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

## 5190MHz\_TX

17/08/2018

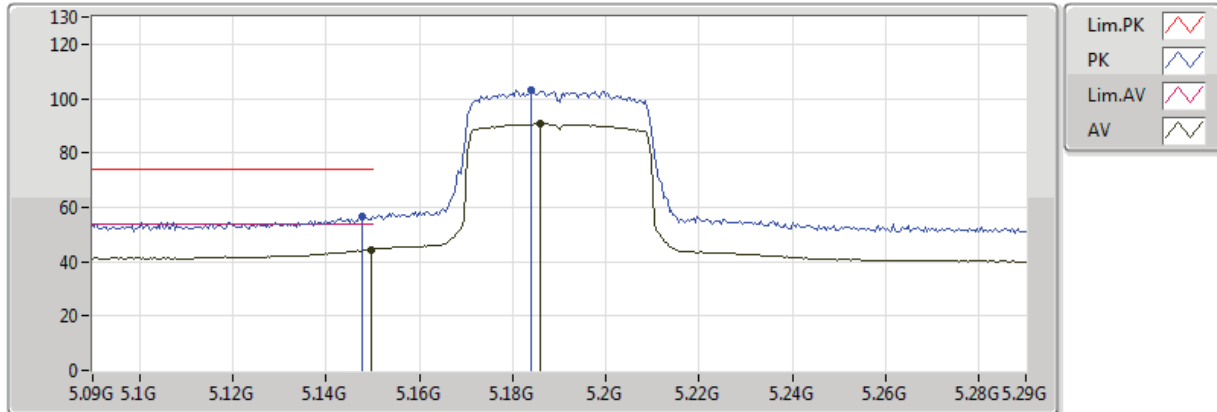


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 52.70             | 54.00             | -1.30          | 2.74           | 3           | Vertical  | 343            | 2.99          | -        |
| AV   | 5.1952G      | 100.42            | Inf               | -Inf           | 2.79           | 3           | Vertical  | 343            | 2.99          | -        |
| PK   | 5.149995G    | 66.80             | 74.00             | -7.20          | 2.74           | 3           | Vertical  | 343            | 2.99          | -        |
| PK   | 5.1908G      | 113.49            | Inf               | -Inf           | 2.79           | 3           | Vertical  | 343            | 2.99          | -        |

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

## 5190MHz\_TX

17/08/2018

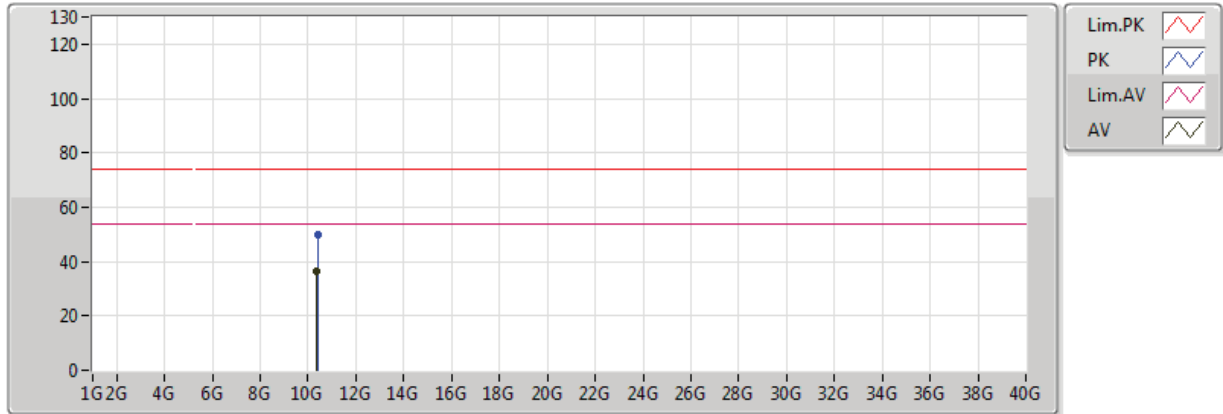


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.1496G      | 44.40             | 54.00             | -9.60          | 2.74           | 3           | Horizontal | 227            | 1.31          | -        |
| AV   | 5.186G       | 90.67             | Inf               | -Inf           | 2.78           | 3           | Horizontal | 227            | 1.31          | -        |
| PK   | 5.1476G      | 56.87             | 74.00             | -17.13         | 2.74           | 3           | Horizontal | 227            | 1.31          | -        |
| PK   | 5.184G       | 102.94            | Inf               | -Inf           | 2.78           | 3           | Horizontal | 227            | 1.31          | -        |

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

## 5190MHz\_TX

17/08/2018

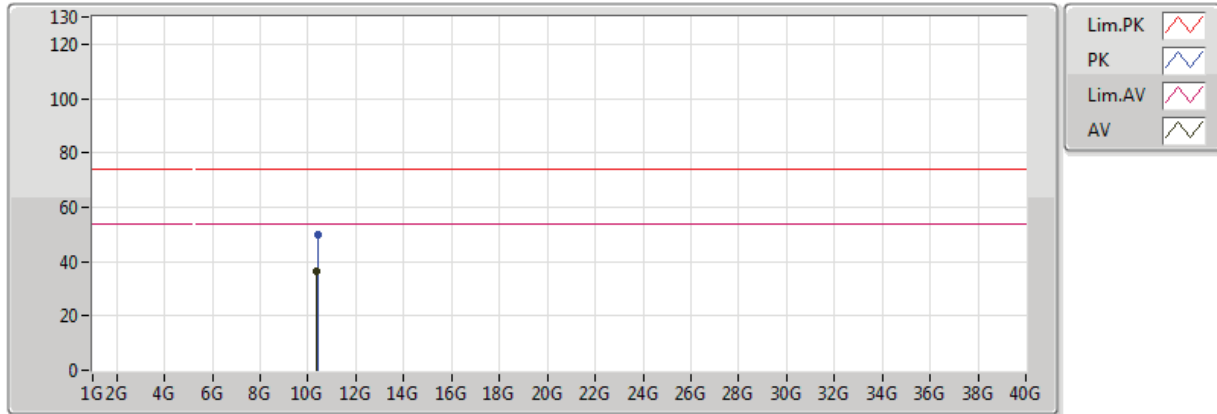


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 10.38384G    | 36.45             | 54.00             | -17.55         | 12.69          | 3           | Vertical  | 44             | 1.88          | -        |
| PK   | 10.39464G    | 49.63             | 74.00             | -24.37         | 12.71          | 3           | Vertical  | 44             | 1.88          | -        |

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

## 5190MHz\_TX

17/08/2018

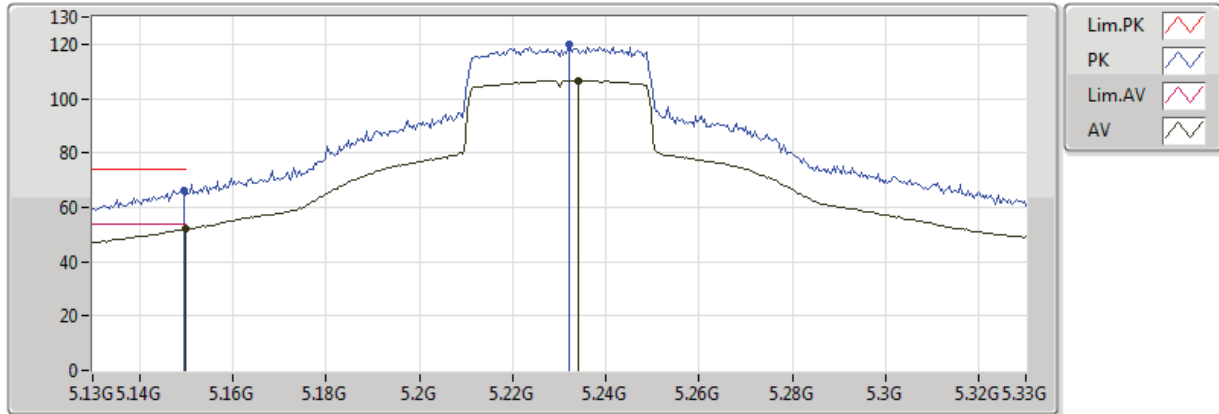


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.37256G    | 36.37             | 54.00             | -17.63         | 12.66          | 3           | Horizontal | 11             | 2.01          | -        |
| PK   | 10.39284G    | 49.77             | 74.00             | -24.23         | 12.71          | 3           | Horizontal | 11             | 2.01          | -        |

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

## 5230MHz\_TX

17/08/2018

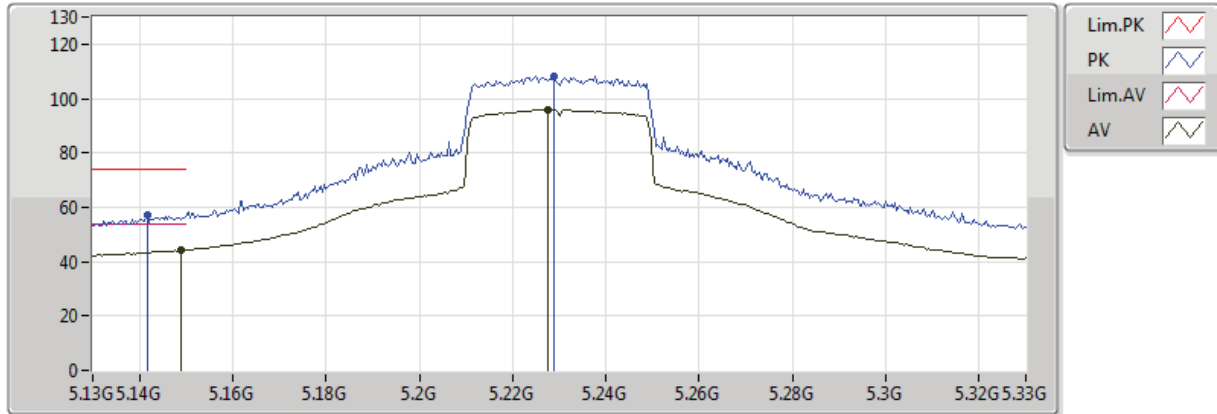


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 51.97             | 54.00             | -2.03          | 2.74           | 3           | Vertical  | 326            | 1.50          | -        |
| AV   | 5.234G       | 106.59            | Inf               | -Inf           | 2.84           | 3           | Vertical  | 326            | 1.50          | -        |
| PK   | 5.1496G      | 66.35             | 74.00             | -7.65          | 2.74           | 3           | Vertical  | 326            | 1.50          | -        |
| PK   | 5.232G       | 119.68            | Inf               | -Inf           | 2.84           | 3           | Vertical  | 326            | 1.50          | -        |

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

## 5230MHz\_TX

17/08/2018



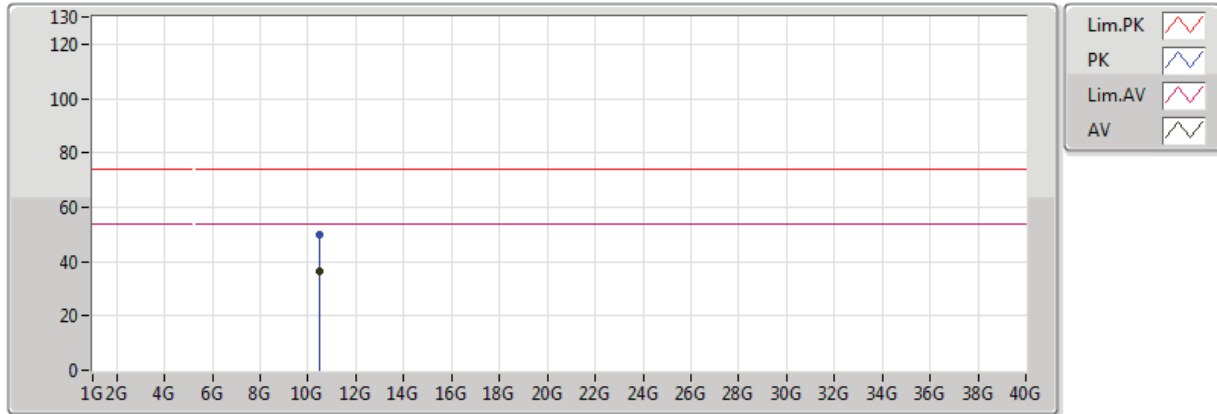
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.1488G      | 44.35             | 54.00             | -9.65          | 2.74           | 3           | Horizontal | 230            | 1.78          | -        |
| AV   | 5.2276G      | 96.05             | Inf               | -Inf           | 2.83           | 3           | Horizontal | 230            | 1.78          | -        |
| PK   | 5.1416G      | 56.92             | 74.00             | -17.08         | 2.73           | 3           | Horizontal | 230            | 1.78          | -        |
| PK   | 5.2288G      | 108.11            | Inf               | -Inf           | 2.83           | 3           | Horizontal | 230            | 1.78          | -        |



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

## 5230MHz\_TX

17/08/2018

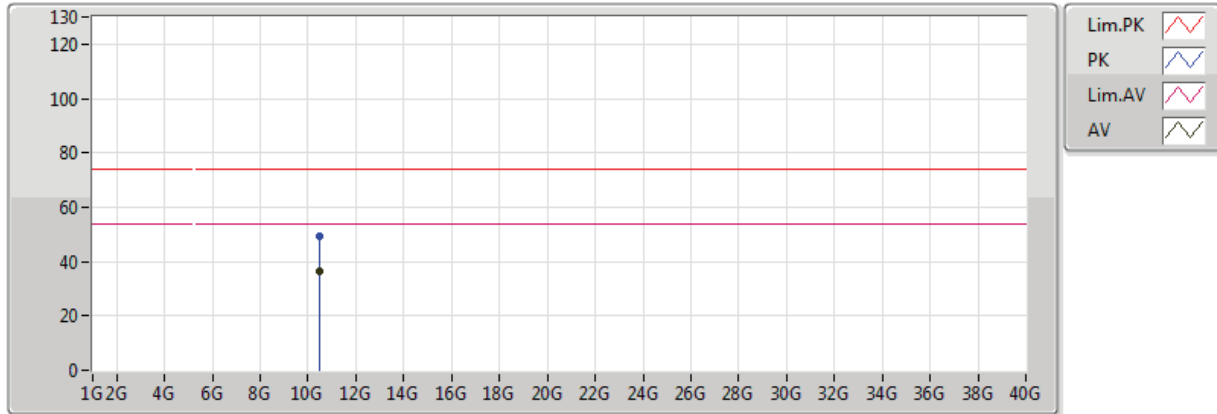


| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|----------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          |
| AV   | 10.45316G | 36.66    | 54.00    | -17.34 | 12.84  | 3    | Vertical  | 51      | 1.85   | -        |
| PK   | 10.4729G  | 49.93    | 74.00    | -24.07 | 12.88  | 3    | Vertical  | 51      | 1.85   | -        |

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

## 5230MHz\_TX

17/08/2018

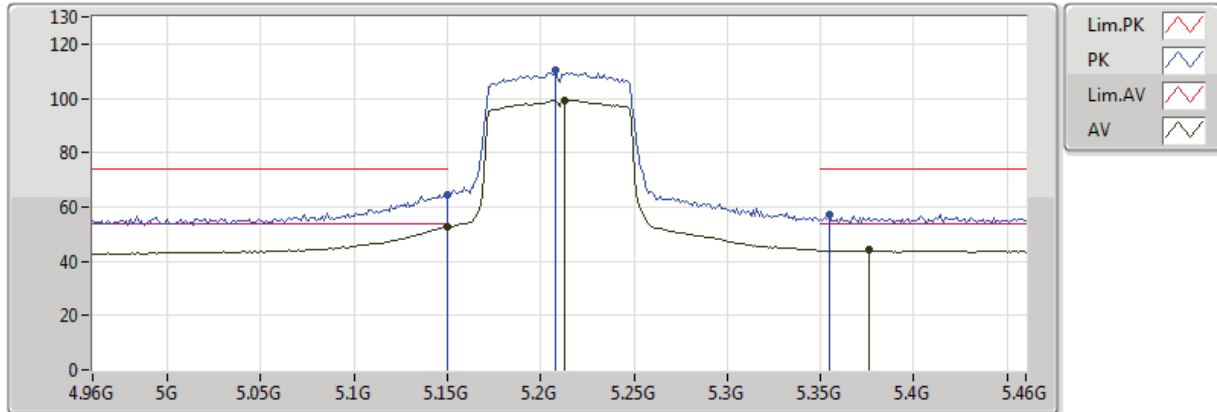


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.47296G    | 36.70             | 54.00             | -17.30         | 12.88          | 3           | Horizontal | 6              | 2.01          | -        |
| PK   | 10.46978G    | 49.45             | 74.00             | -24.55         | 12.87          | 3           | Horizontal | 6              | 2.01          | -        |

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

## 5210MHz\_TX

15/08/2018

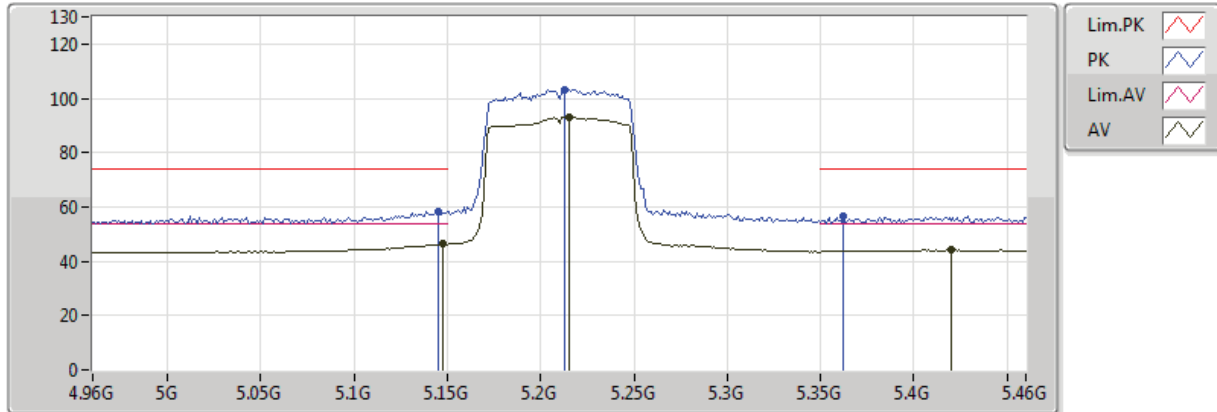


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 52.51             | 54.00             | -1.49          | 2.74           | 3           | Vertical  | 358            | 1.50          | -        |
| AV   | 5.213G       | 99.45             | Inf               | -Inf           | 2.81           | 3           | Vertical  | 358            | 1.50          | -        |
| AV   | 5.376G       | 44.17             | 54.00             | -9.83          | 3.00           | 3           | Vertical  | 358            | 1.50          | -        |
| PK   | 5.149995G    | 64.26             | 74.00             | -9.74          | 2.74           | 3           | Vertical  | 358            | 1.50          | -        |
| PK   | 5.208G       | 110.16            | Inf               | -Inf           | 2.81           | 3           | Vertical  | 358            | 1.50          | -        |
| PK   | 5.355G       | 57.33             | 74.00             | -16.67         | 2.97           | 3           | Vertical  | 358            | 1.50          | -        |

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

## 5210MHz\_TX

15/08/2018

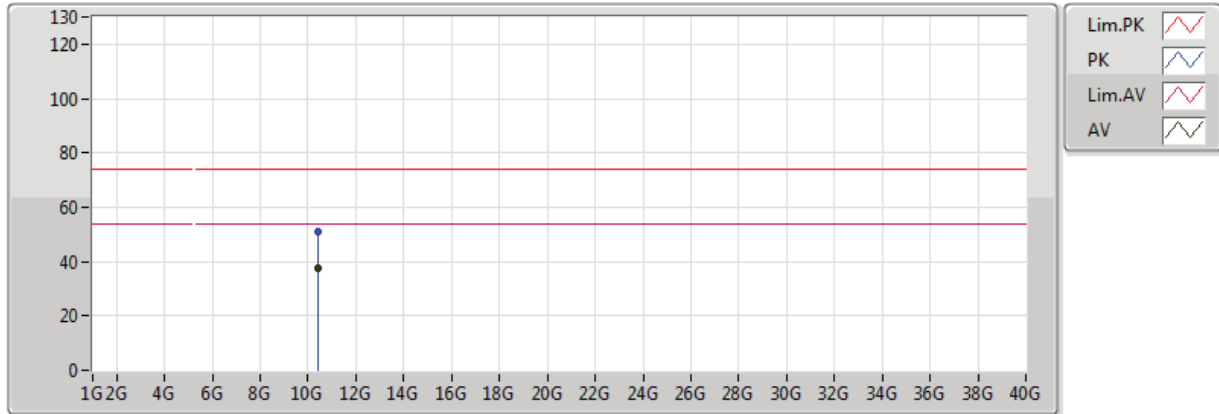


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.148G       | 46.28             | 54.00             | -7.72          | 3.68           | 3           | Horizontal | 344            | 2.73          | -        |
| AV   | 5.215G       | 93.15             | Inf               | -Inf           | 3.80           | 3           | Horizontal | 344            | 2.73          | -        |
| AV   | 5.42G        | 44.08             | 54.00             | -9.92          | 4.17           | 3           | Horizontal | 344            | 2.73          | -        |
| PK   | 5.145G       | 58.35             | 74.00             | -15.65         | 3.67           | 3           | Horizontal | 344            | 2.73          | -        |
| PK   | 5.213G       | 103.24            | Inf               | -Inf           | 3.79           | 3           | Horizontal | 344            | 2.73          | -        |
| PK   | 5.362G       | 56.81             | 74.00             | -17.19         | 4.07           | 3           | Horizontal | 344            | 2.73          | -        |

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

## 5210MHz\_TX

17/08/2018

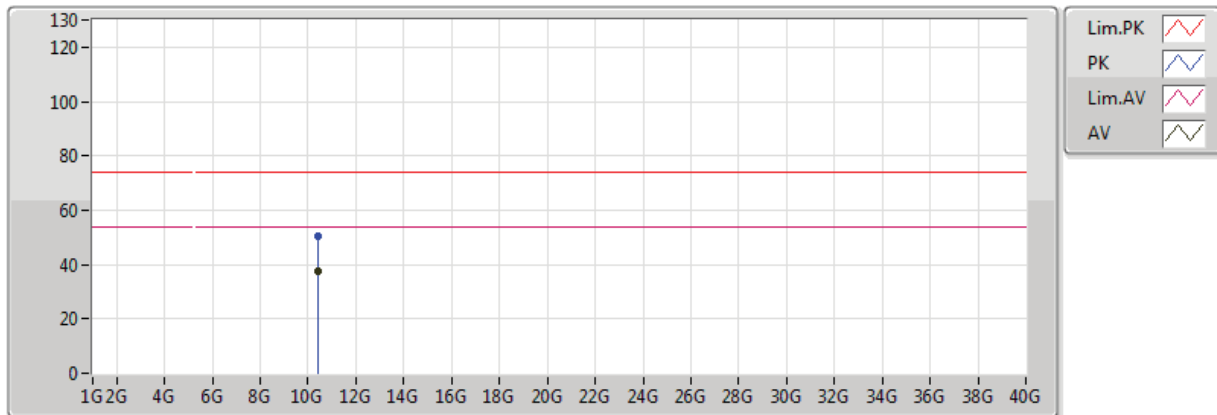


| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|----------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          |
| AV   | 10.41704G | 37.41    | 54.00    | -16.59 | 12.76  | 3    | Vertical  | 143     | 1.51   | -        |
| PK   | 10.42314G | 51.23    | 74.00    | -22.77 | 12.77  | 3    | Vertical  | 143     | 1.51   | -        |

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

## 5210MHz\_TX

17/08/2018

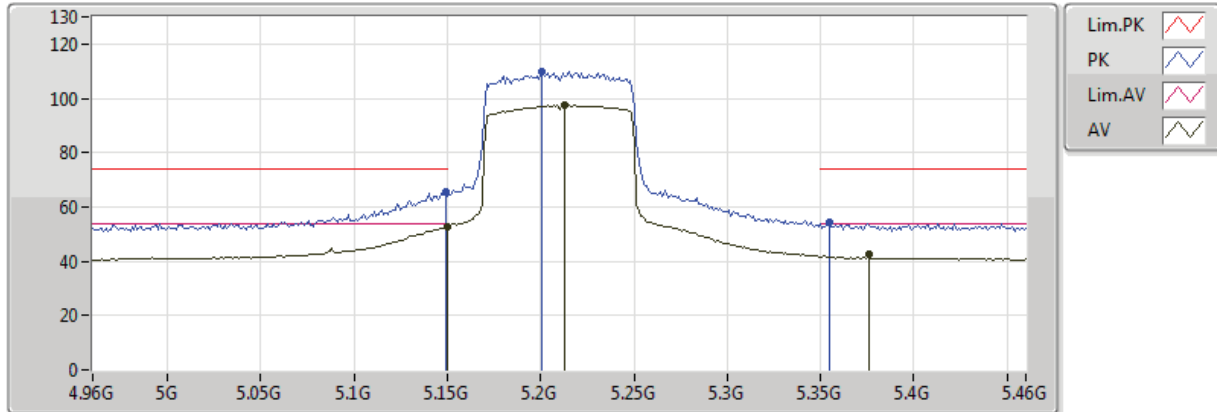


| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|----------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          |
| AV   | 10.41842G | 37.39    | 54.00    | -16.61 | 12.76  | 3    | Horizontal | 168     | 2.15   | -        |
| PK   | 10.42186G | 50.51    | 74.00    | -23.49 | 12.77  | 3    | Horizontal | 168     | 2.15   | -        |

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

## 5210MHz\_TX

17/08/2018

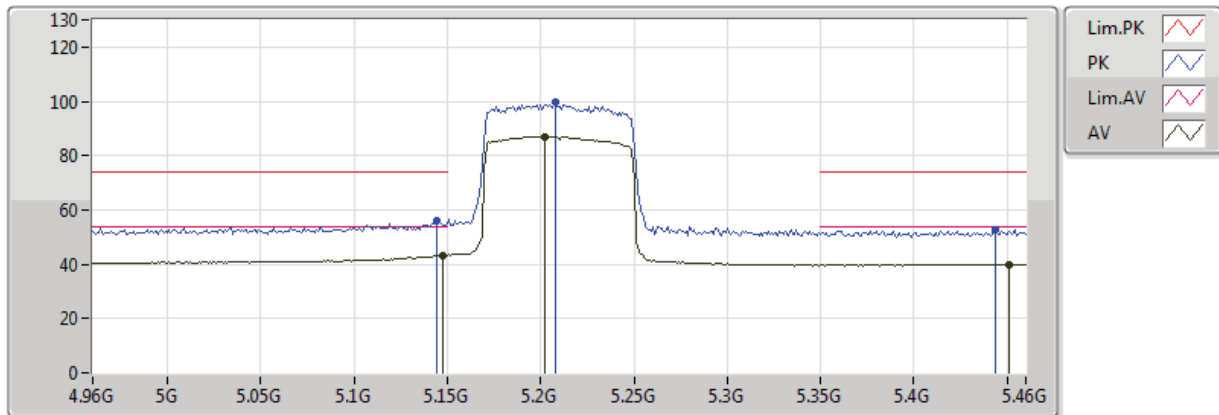


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 52.89             | 54.00             | -1.11          | 2.74           | 3           | Vertical  | 338            | 2.99          | -        |
| AV   | 5.213G       | 97.37             | Inf               | -Inf           | 2.81           | 3           | Vertical  | 338            | 2.99          | -        |
| AV   | 5.376G       | 42.52             | 54.00             | -11.48         | 3.00           | 3           | Vertical  | 338            | 2.99          | -        |
| PK   | 5.149G       | 65.69             | 74.00             | -8.31          | 2.74           | 3           | Vertical  | 338            | 2.99          | -        |
| PK   | 5.201G       | 109.81            | Inf               | -Inf           | 2.80           | 3           | Vertical  | 338            | 2.99          | -        |
| PK   | 5.355G       | 54.22             | 74.00             | -19.78         | 2.97           | 3           | Vertical  | 338            | 2.99          | -        |

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

## 5210MHz\_TX

17/08/2018



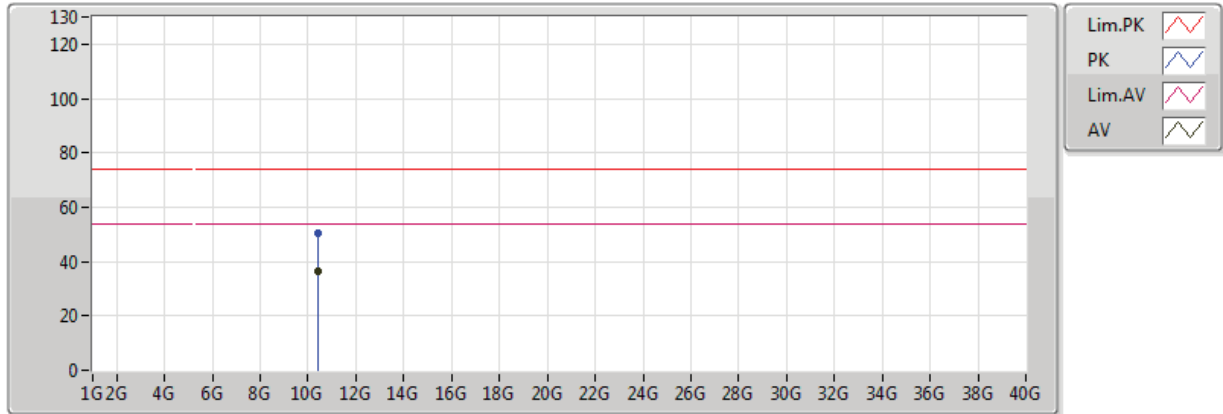
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.148G       | 43.19             | 54.00             | -10.81         | 2.74           | 3           | Horizontal | 222            | 1.21          | -        |
| AV   | 5.202G       | 86.98             | Inf               | -Inf           | 2.80           | 3           | Horizontal | 222            | 1.21          | -        |
| AV   | 5.451G       | 39.98             | 54.00             | -14.02         | 3.09           | 3           | Horizontal | 222            | 1.21          | -        |
| PK   | 5.144G       | 56.26             | 74.00             | -17.74         | 2.74           | 3           | Horizontal | 222            | 1.21          | -        |
| PK   | 5.208G       | 99.80             | Inf               | -Inf           | 2.81           | 3           | Horizontal | 222            | 1.21          | -        |
| PK   | 5.444G       | 52.60             | 74.00             | -21.40         | 3.08           | 3           | Horizontal | 222            | 1.21          | -        |



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

## 5210MHz\_TX

17/08/2018

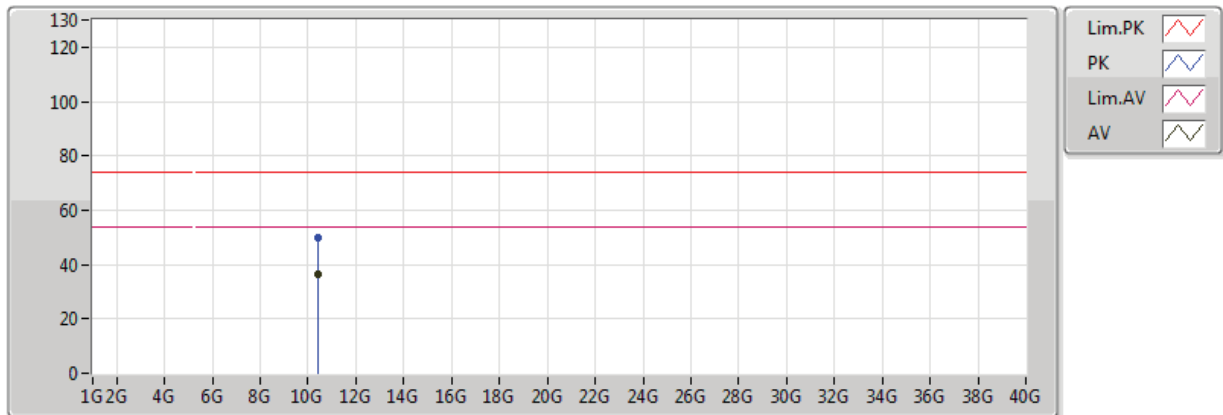


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 10.43026G    | 36.54             | 54.00             | -17.46         | 12.79          | 3           | Vertical  | 77             | 1.69          | -        |
| PK   | 10.43338G    | 50.67             | 74.00             | -23.33         | 12.79          | 3           | Vertical  | 77             | 1.69          | -        |

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

## 5210MHz\_TX

17/08/2018

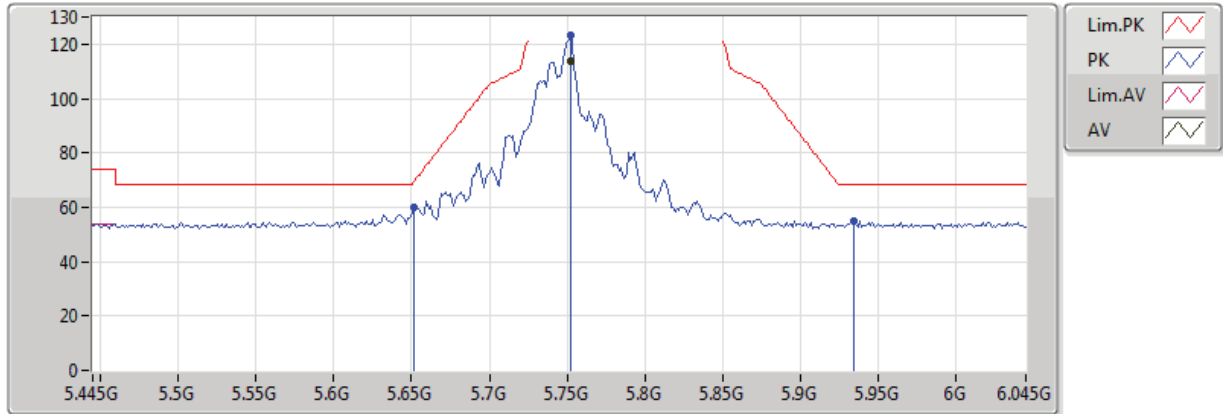


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.43368G    | 36.48             | 54.00             | -17.52         | 12.80          | 3           | Horizontal | 1              | 1.98          | -        |
| PK   | 10.42936G    | 49.74             | 74.00             | -24.26         | 12.79          | 3           | Horizontal | 1              | 1.98          | -        |

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

### 5745MHz\_TX

17/08/2018

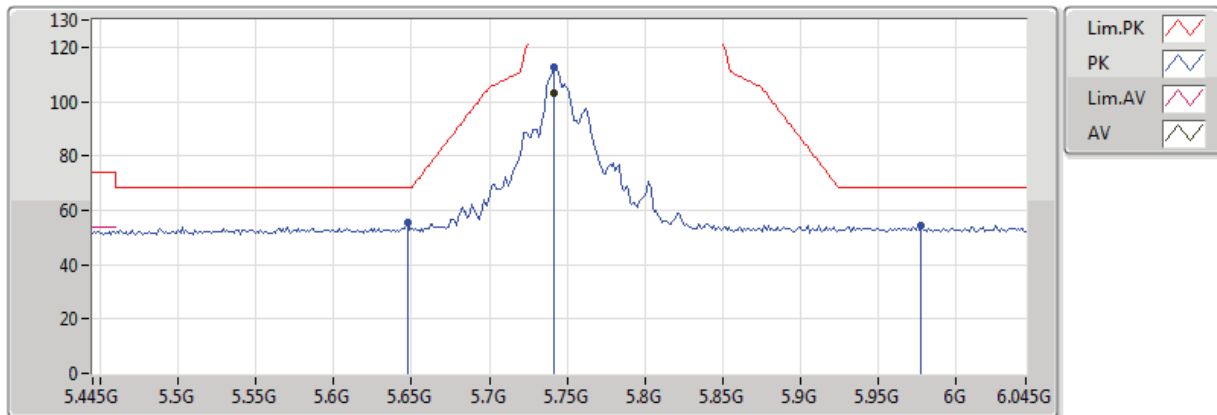


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7522G      | 113.69            | Inf               | -Inf           | 3.64           | 3           | Vertical  | 260            | 2.12          | -        |
| PK   | 5.6514G      | 59.89             | 69.24             | -9.35          | 3.44           | 3           | Vertical  | 260            | 2.12          | -        |
| PK   | 5.7522G      | 123.00            | Inf               | -Inf           | 3.64           | 3           | Vertical  | 260            | 2.12          | -        |
| PK   | 5.9346G      | 54.97             | 68.20             | -13.23         | 4.00           | 3           | Vertical  | 260            | 2.12          | -        |

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

## 5745MHz\_TX

17/08/2018

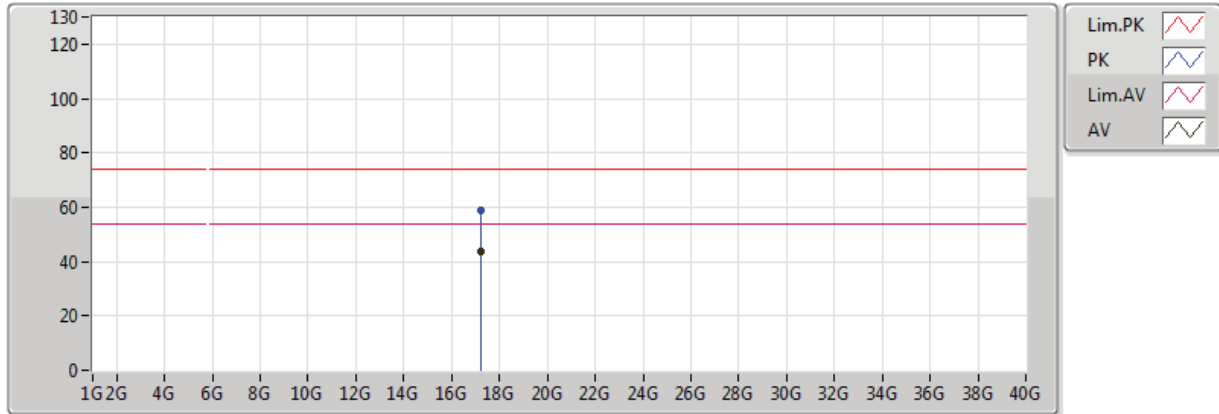


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.7414G      | 103.22            | Inf               | -Inf           | 3.62           | 3           | Horizontal | 153            | 1.45          | -        |
| PK   | 5.6478G      | 55.36             | 68.20             | -12.84         | 3.44           | 3           | Horizontal | 153            | 1.45          | -        |
| PK   | 5.7414G      | 112.44            | Inf               | -Inf           | 3.62           | 3           | Horizontal | 153            | 1.45          | -        |
| PK   | 5.9778G      | 54.42             | 68.20             | -13.78         | 4.08           | 3           | Horizontal | 153            | 1.45          | -        |

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

## 5745MHz\_TX

17/08/2018

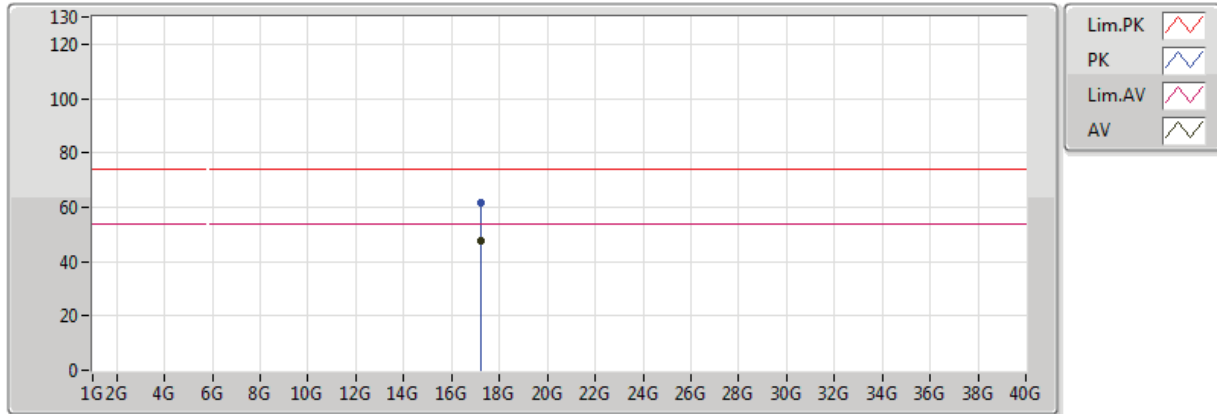


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 17.23184G    | 43.66             | 54.00             | -10.34         | 16.88          | 3           | Vertical  | 171            | 1.12          | -        |
| PK   | 17.23132G    | 59.10             | 74.00             | -14.90         | 16.88          | 3           | Vertical  | 171            | 1.12          | -        |

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

## 5745MHz\_TX

17/08/2018

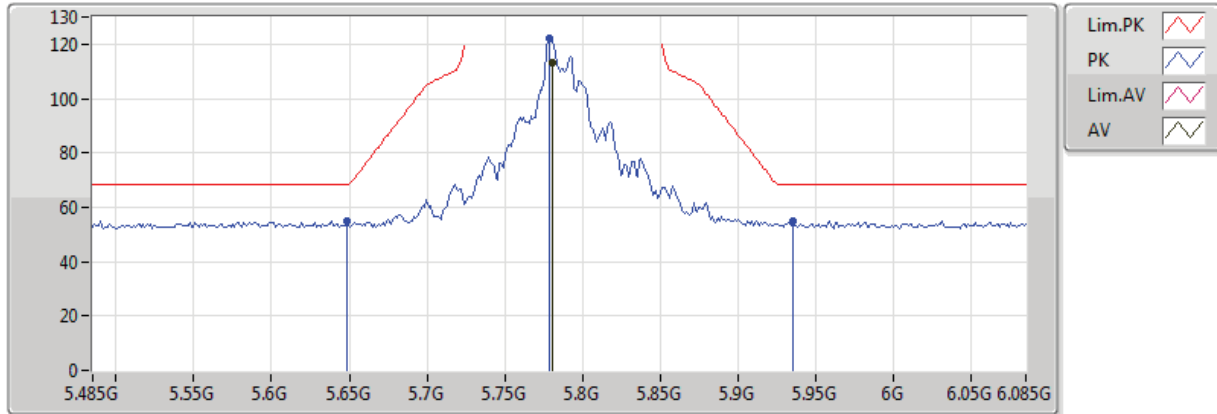


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 17.2296G     | 47.54             | 54.00             | -6.46          | 16.86          | 3           | Horizontal | 31             | 2.70          | -        |
| PK   | 17.2295G     | 61.65             | 74.00             | -12.35         | 16.86          | 3           | Horizontal | 31             | 2.70          | -        |

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

## 5785MHz\_TX

17/08/2018

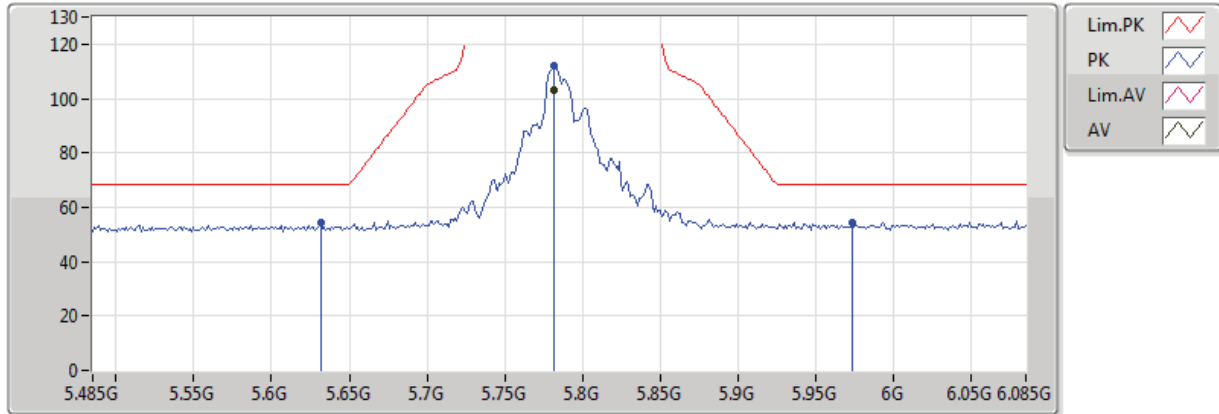


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7802G      | 112.99            | Inf               | -Inf           | 3.69           | 3           | Vertical  | 180            | 1.86          | -        |
| PK   | 5.6482G      | 55.05             | 68.20             | -13.15         | 3.44           | 3           | Vertical  | 180            | 1.86          | -        |
| PK   | 5.779G       | 121.89            | Inf               | -Inf           | 3.69           | 3           | Vertical  | 180            | 1.86          | -        |
| PK   | 5.935G       | 55.07             | 68.20             | -13.13         | 4.00           | 3           | Vertical  | 180            | 1.86          | -        |

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

## 5785MHz\_TX

17/08/2018



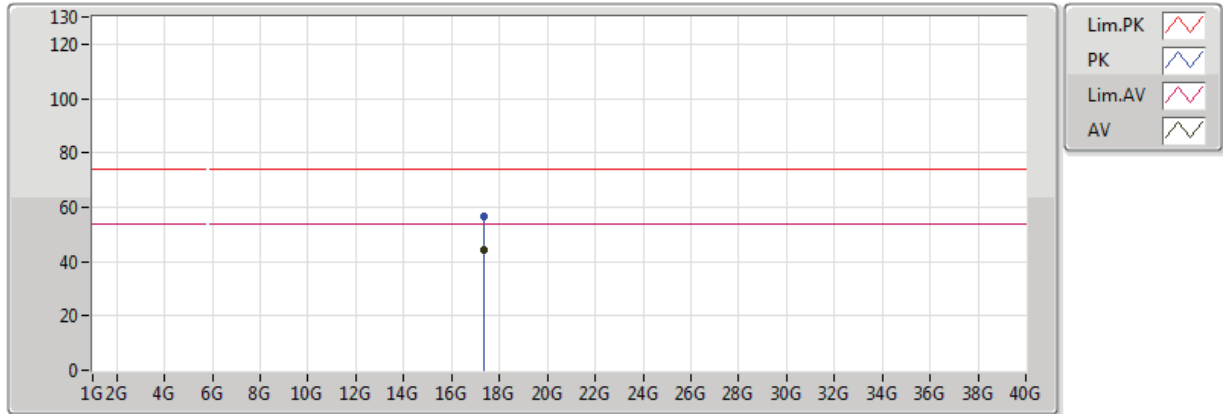
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.7814G      | 103.14            | Inf               | -Inf           | 3.69           | 3           | Horizontal | 149            | 1.50          | -        |
| PK   | 5.6314G      | 54.08             | 68.20             | -14.12         | 3.40           | 3           | Horizontal | 149            | 1.50          | -        |
| PK   | 5.7814G      | 112.16            | Inf               | -Inf           | 3.69           | 3           | Horizontal | 149            | 1.50          | -        |
| PK   | 5.9734G      | 54.26             | 68.20             | -13.94         | 4.07           | 3           | Horizontal | 149            | 1.50          | -        |



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

## 5785MHz\_TX

17/08/2018

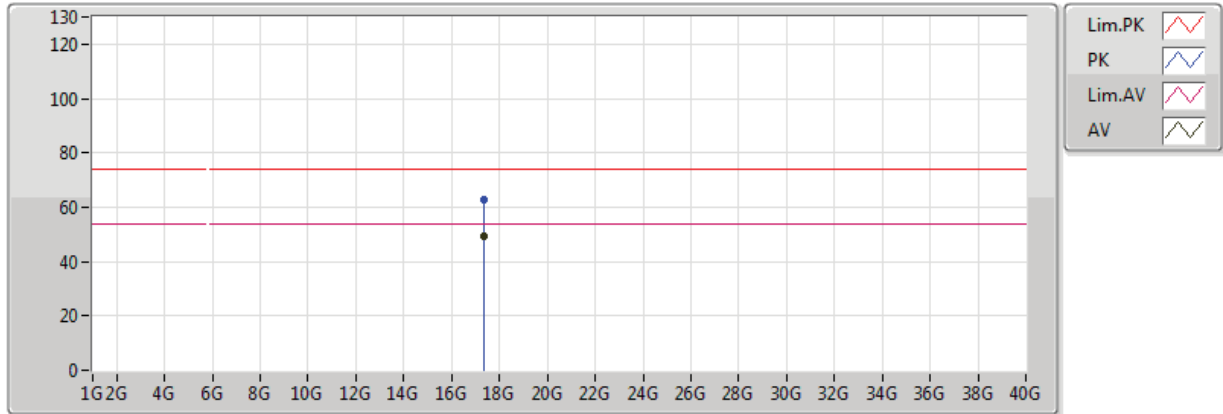


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 17.3625G     | 44.16             | 54.00             | -9.84          | 17.77          | 3           | Vertical  | 124            | 1.56          | -        |
| PK   | 17.3607G     | 56.55             | 74.00             | -17.45         | 17.76          | 3           | Vertical  | 124            | 1.56          | -        |

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

## 5785MHz\_TX

17/08/2018

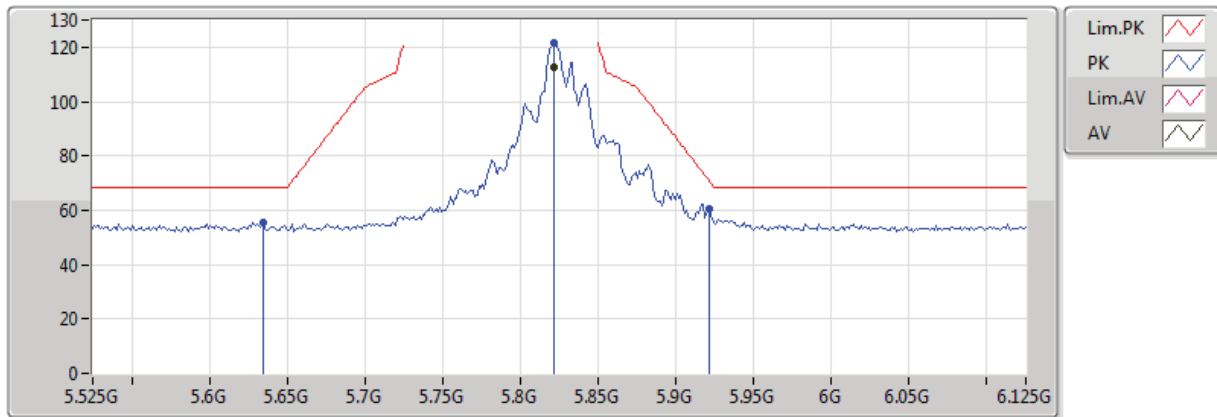


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 17.3592G     | 49.50             | 54.00             | -4.50          | 17.75          | 3           | Horizontal | 7              | 2.77          | -        |
| PK   | 17.3608G     | 62.80             | 74.00             | -11.20         | 17.76          | 3           | Horizontal | 7              | 2.77          | -        |

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

## 5825MHz\_TX

17/08/2018

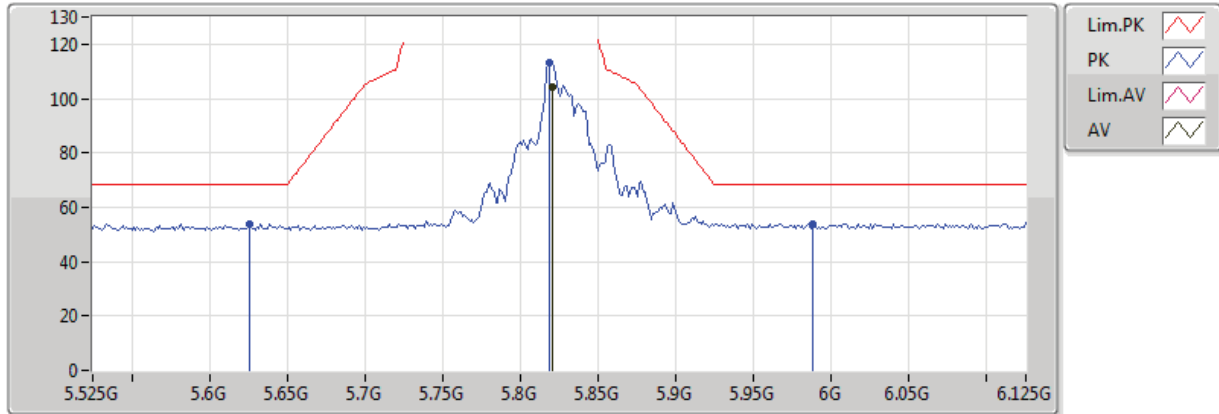


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.8214G      | 112.75            | Inf               | -Inf           | 3.77           | 3           | Vertical  | 185            | 1.51          | -        |
| PK   | 5.6342G      | 55.42             | 68.20             | -12.78         | 3.41           | 3           | Vertical  | 185            | 1.51          | -        |
| PK   | 5.8214G      | 121.57            | Inf               | -Inf           | 3.77           | 3           | Vertical  | 185            | 1.51          | -        |
| PK   | 5.921G       | 60.24             | 71.16             | -10.92         | 3.97           | 3           | Vertical  | 185            | 1.51          | -        |

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

## 5825MHz\_TX

17/08/2018

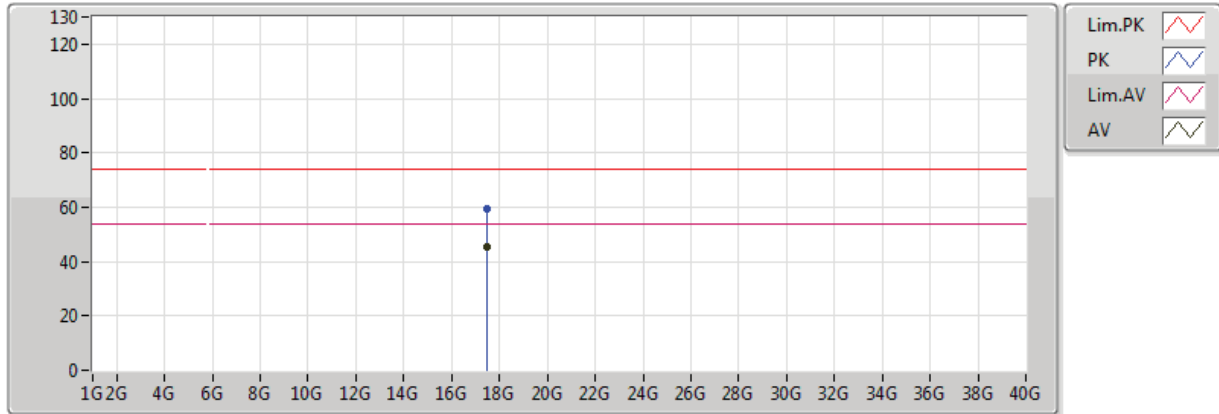


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.8202G      | 104.23            | Inf               | -Inf           | 3.77           | 3           | Horizontal | 205            | 1.27          | -        |
| PK   | 5.6258G      | 53.93             | 68.20             | -14.27         | 3.40           | 3           | Horizontal | 205            | 1.27          | -        |
| PK   | 5.819G       | 113.21            | Inf               | -Inf           | 3.77           | 3           | Horizontal | 205            | 1.27          | -        |
| PK   | 5.9882G      | 54.01             | 68.20             | -14.19         | 4.10           | 3           | Horizontal | 205            | 1.27          | -        |

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

## 5825MHz\_TX

17/08/2018

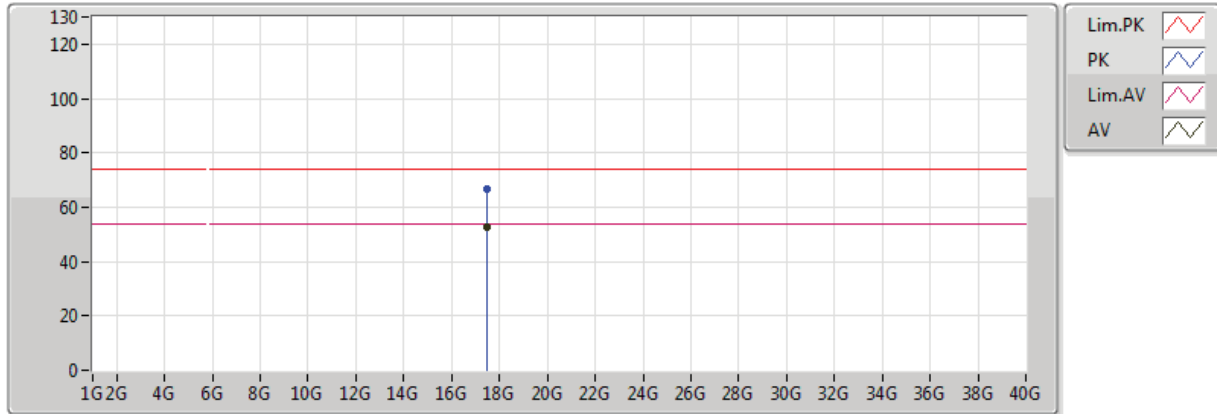


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 17.4694G     | 45.65             | 54.00             | -8.35          | 18.50          | 3           | Vertical  | 62             | 1.61          | -        |
| PK   | 17.4698G     | 59.16             | 74.00             | -14.84         | 18.50          | 3           | Vertical  | 62             | 1.61          | -        |

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

### 5825MHz\_TX

17/08/2018

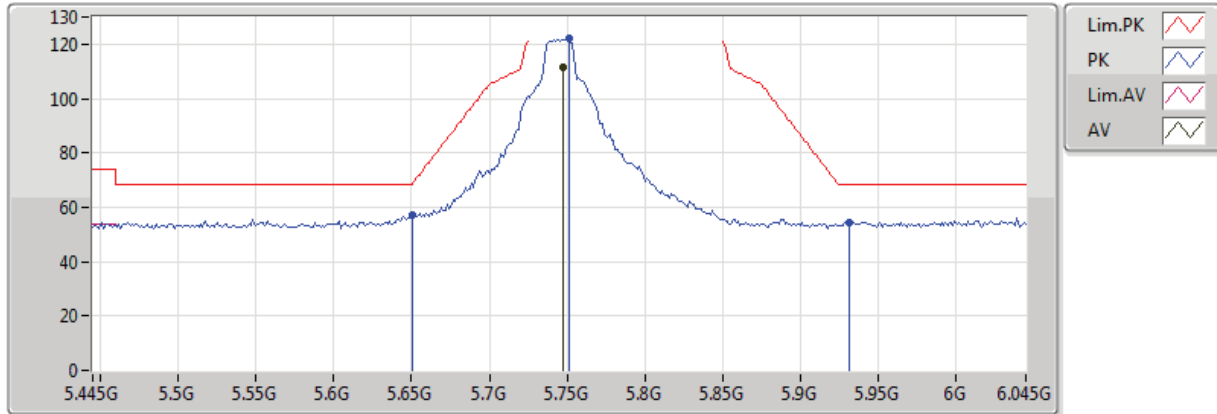


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 17.4819G     | 52.58             | 54.00             | -1.42          | 18.58          | 3           | Horizontal | 12             | 2.49          | -        |
| PK   | 17.4824G     | 66.81             | 74.00             | -7.19          | 18.59          | 3           | Horizontal | 12             | 2.49          | -        |

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

## 5745MHz\_TX

16/08/2018

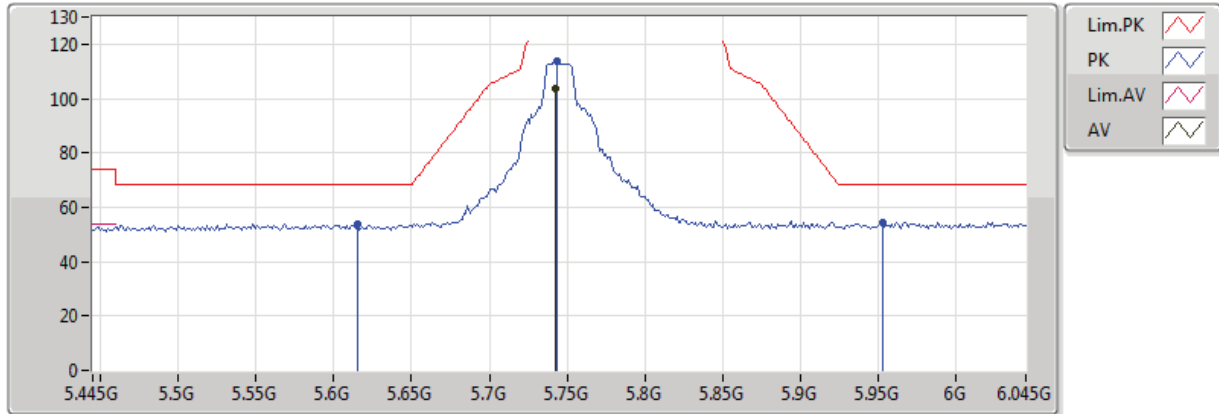


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7474G      | 111.78            | Inf               | -Inf           | 3.63           | 3           | Vertical  | 188            | 1.50          | -        |
| PK   | 5.6502G      | 57.14             | 68.35             | -11.21         | 3.44           | 3           | Vertical  | 188            | 1.50          | -        |
| PK   | 5.751G       | 121.94            | Inf               | -Inf           | 3.64           | 3           | Vertical  | 188            | 1.50          | -        |
| PK   | 5.931G       | 54.63             | 68.20             | -13.57         | 3.99           | 3           | Vertical  | 188            | 1.50          | -        |

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

## 5745MHz\_TX

16/08/2018



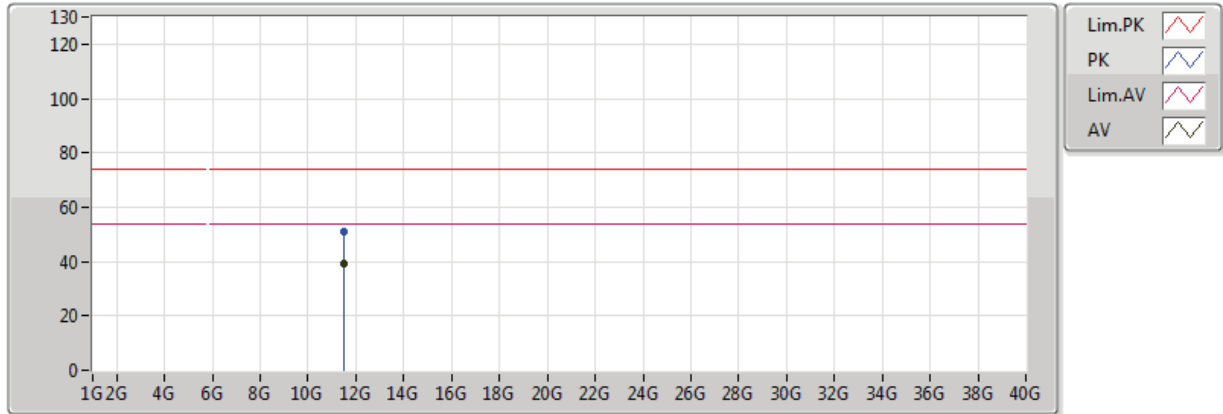
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.7426G      | 103.50            | Inf               | -Inf           | 3.62           | 3           | Horizontal | 161            | 1.55          | -        |
| PK   | 5.6154G      | 53.81             | 68.20             | -14.39         | 3.37           | 3           | Horizontal | 161            | 1.55          | -        |
| PK   | 5.7438G      | 113.65            | Inf               | -Inf           | 3.62           | 3           | Horizontal | 161            | 1.55          | -        |
| PK   | 5.9526G      | 54.47             | 68.20             | -13.73         | 4.03           | 3           | Horizontal | 161            | 1.55          | -        |



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

## 5745MHz\_TX

16/08/2018

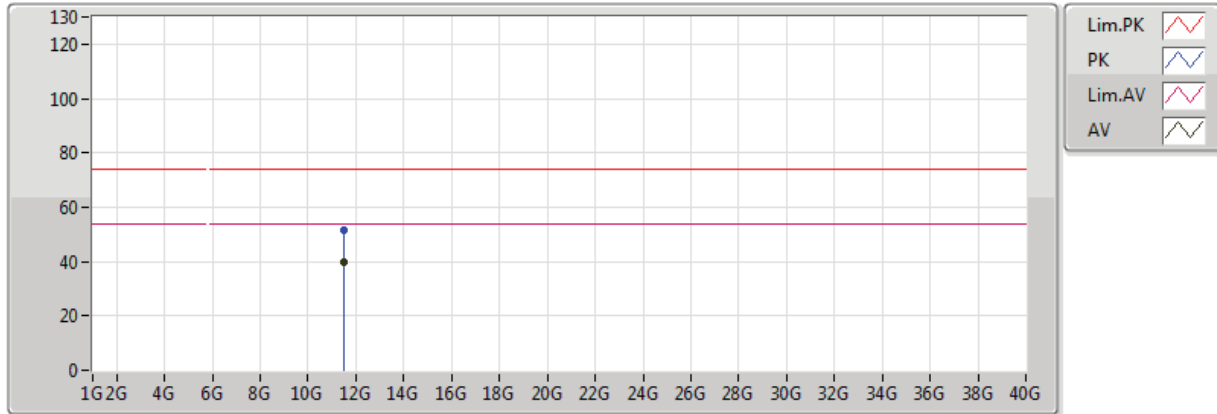


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.48994G    | 39.21             | 54.00             | -14.79         | 13.58          | 3           | Vertical  | 107            | 2.94          | -        |
| PK   | 11.47608G    | 50.93             | 74.00             | -23.07         | 13.59          | 3           | Vertical  | 107            | 2.94          | -        |

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

## 5745MHz\_TX

16/08/2018

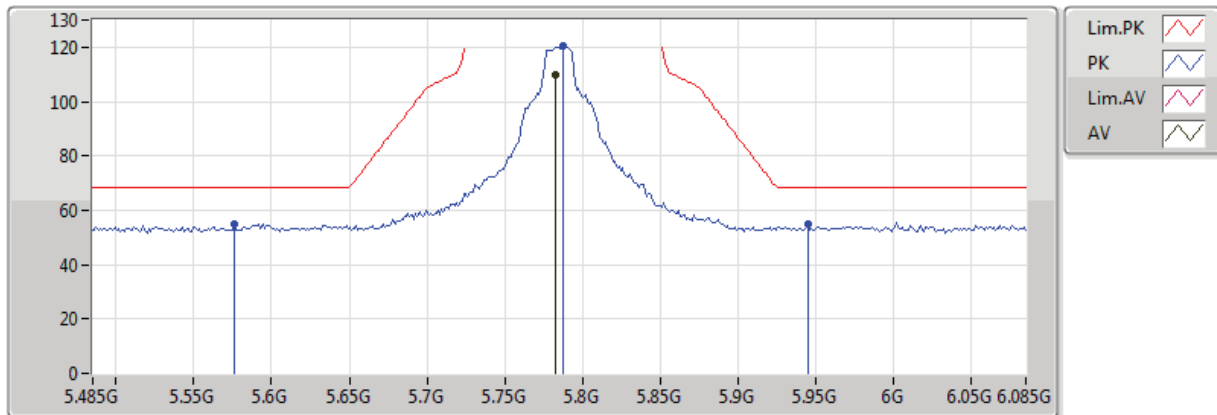


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.48988G    | 39.69             | 54.00             | -14.31         | 13.58          | 3           | Horizontal | 122            | 1.48          | -        |
| PK   | 11.49012G    | 51.55             | 74.00             | -22.45         | 13.58          | 3           | Horizontal | 122            | 1.48          | -        |

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

## 5785MHz\_TX

16/08/2018

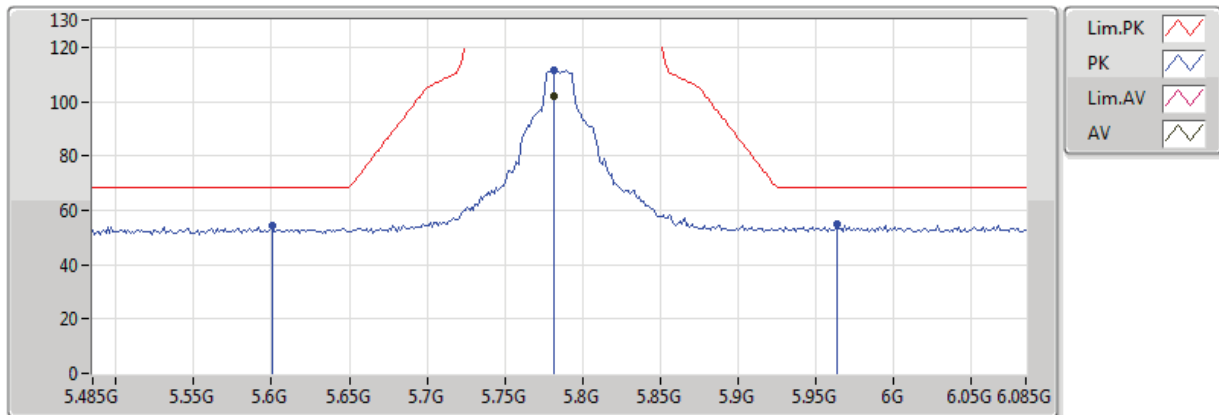


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7826G      | 109.97            | Inf               | -Inf           | 3.70           | 3           | Vertical  | 251            | 1.60          | -        |
| PK   | 5.5762G      | 55.12             | 68.20             | -13.08         | 3.29           | 3           | Vertical  | 251            | 1.60          | -        |
| PK   | 5.7874G      | 120.31            | Inf               | -Inf           | 3.71           | 3           | Vertical  | 251            | 1.60          | -        |
| PK   | 5.9446G      | 55.12             | 68.20             | -13.08         | 4.02           | 3           | Vertical  | 251            | 1.60          | -        |

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

## 5785MHz\_TX

16/08/2018

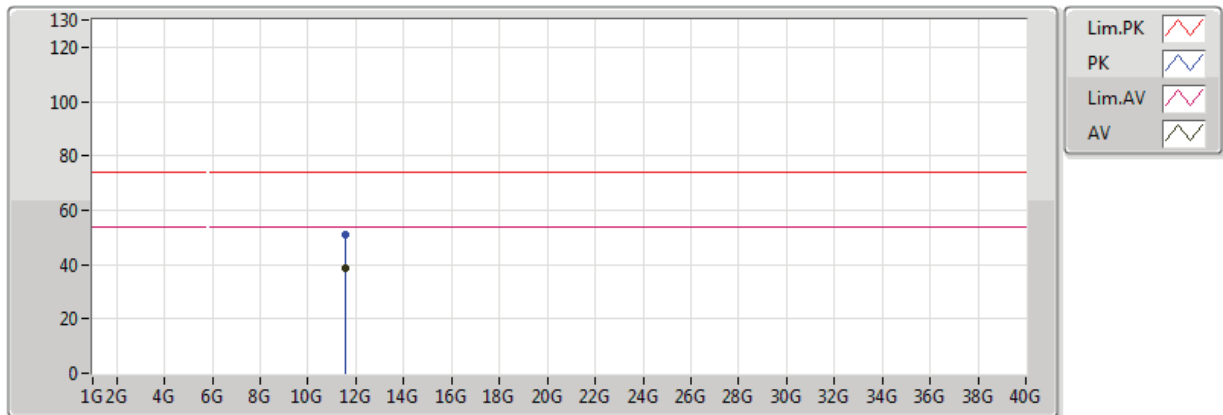


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.7814G      | 101.72            | Inf               | -Inf           | 3.69           | 3           | Horizontal | 212            | 1.45          | -        |
| PK   | 5.6002G      | 54.35             | 68.20             | -13.85         | 3.34           | 3           | Horizontal | 212            | 1.45          | -        |
| PK   | 5.7814G      | 111.71            | Inf               | -Inf           | 3.69           | 3           | Horizontal | 212            | 1.45          | -        |
| PK   | 5.9638G      | 54.95             | 68.20             | -13.25         | 4.05           | 3           | Horizontal | 212            | 1.45          | -        |

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

## 5785MHz\_TX

16/08/2018

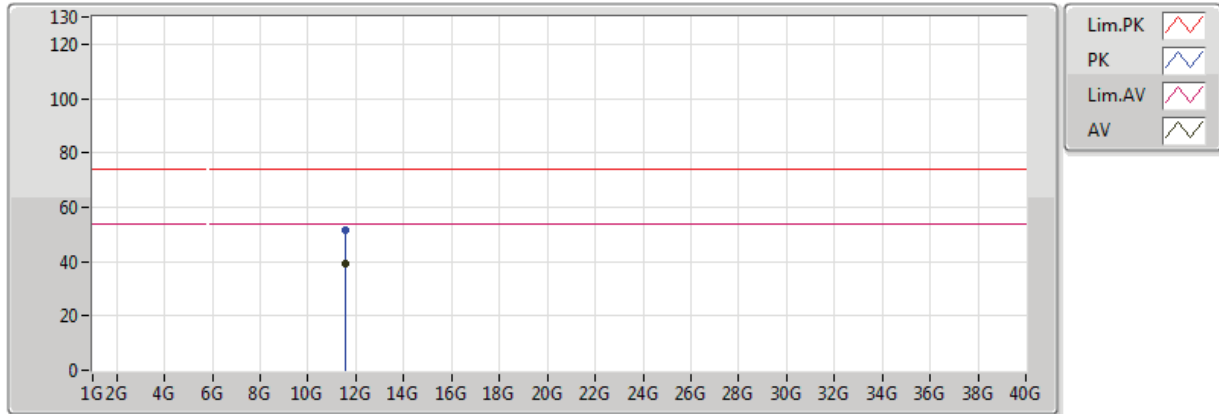


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.56988G    | 38.89             | 54.00             | -15.11         | 13.51          | 3           | Vertical  | 41             | 1.10          | -        |
| PK   | 11.56982G    | 50.76             | 74.00             | -23.24         | 13.51          | 3           | Vertical  | 41             | 1.10          | -        |

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

## 5785MHz\_TX

16/08/2018

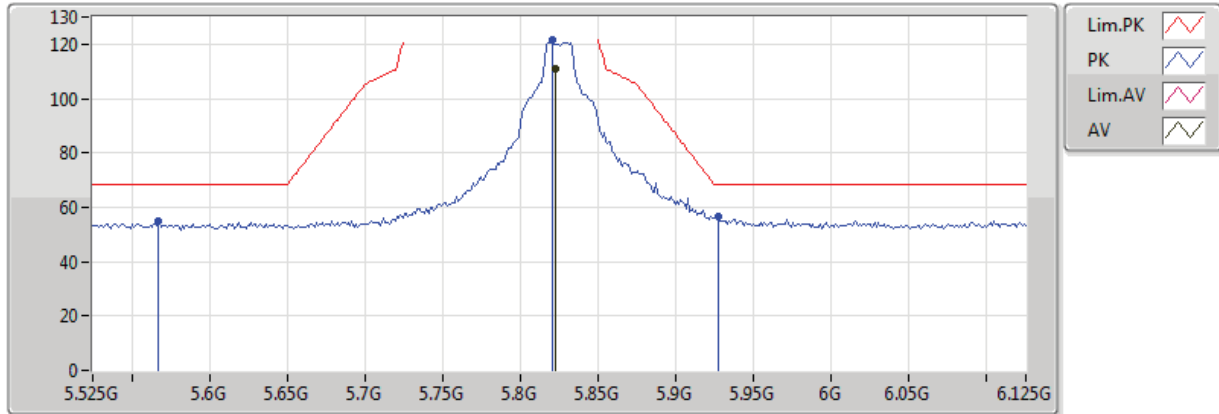


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.56994G    | 39.33             | 54.00             | -14.67         | 13.51          | 3           | Horizontal | 117            | 1.50          | -        |
| PK   | 11.56988G    | 51.43             | 74.00             | -22.57         | 13.51          | 3           | Horizontal | 117            | 1.50          | -        |

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

## 5825MHz\_TX

17/08/2018

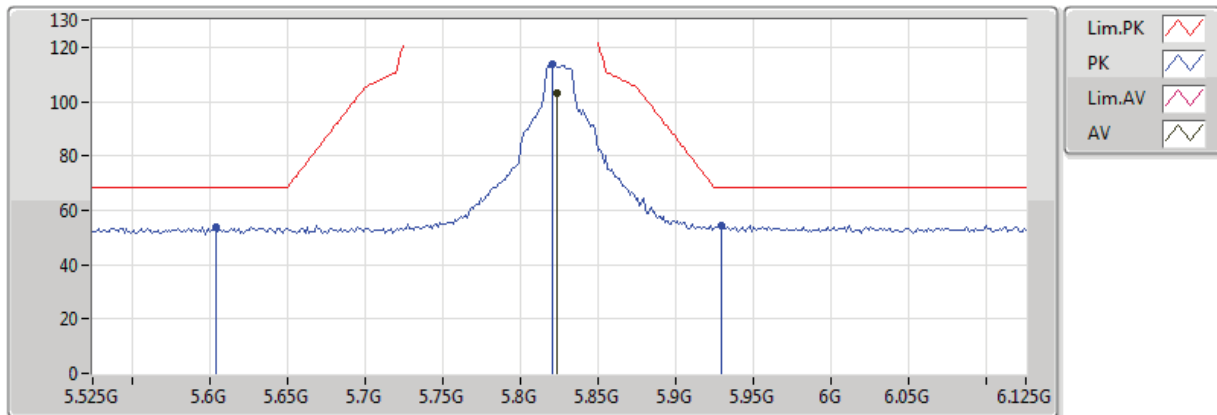


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.8226G      | 110.71            | Inf               | -Inf           | 3.78           | 3           | Vertical  | 0              | 2.99          | -        |
| PK   | 5.567G       | 55.18             | 68.20             | -13.02         | 3.27           | 3           | Vertical  | 0              | 2.99          | -        |
| PK   | 5.8202G      | 121.35            | Inf               | -Inf           | 3.77           | 3           | Vertical  | 0              | 2.99          | -        |
| PK   | 5.927G       | 56.39             | 68.20             | -11.81         | 3.99           | 3           | Vertical  | 0              | 2.99          | -        |

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

## 5825MHz\_TX

17/08/2018



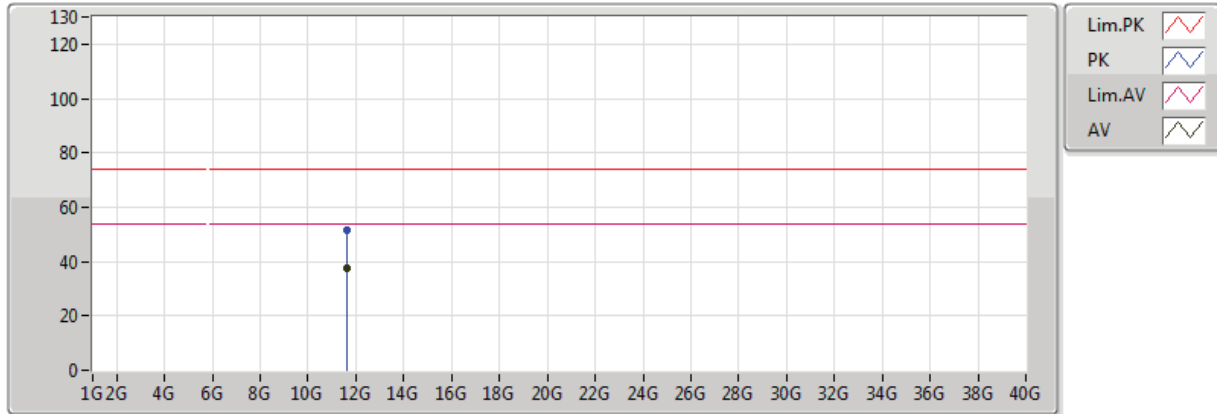
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.8238G      | 103.29            | Inf               | -Inf           | 3.78           | 3           | Horizontal | 139            | 1.24          | -        |
| PK   | 5.6042G      | 53.91             | 68.20             | -14.29         | 3.35           | 3           | Horizontal | 139            | 1.24          | -        |
| PK   | 5.8202G      | 113.60            | Inf               | -Inf           | 3.77           | 3           | Horizontal | 139            | 1.24          | -        |
| PK   | 5.9294G      | 54.62             | 68.20             | -13.58         | 3.99           | 3           | Horizontal | 139            | 1.24          | -        |



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

## 5825MHz\_TX

17/08/2018

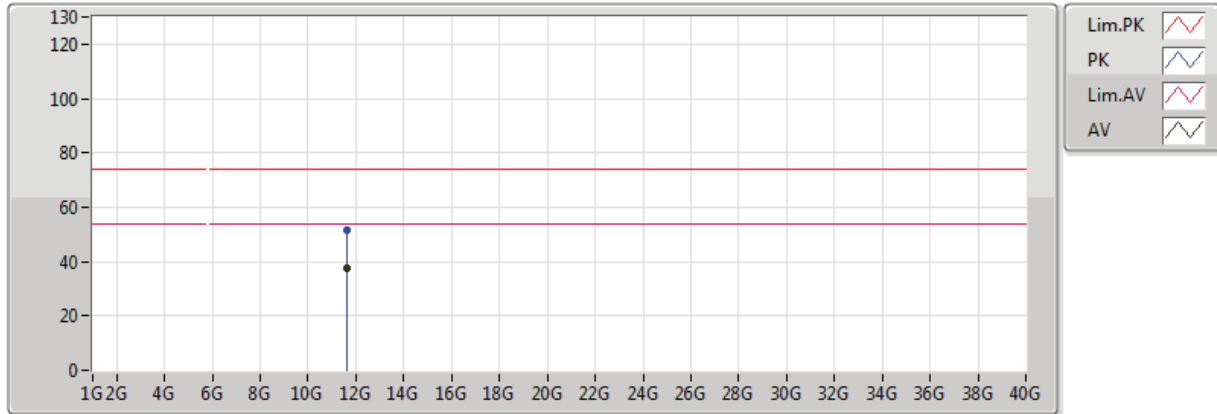


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.64576G    | 37.61             | 54.00             | -16.39         | 13.44          | 3           | Vertical  | 239            | 1.90          | -        |
| PK   | 11.64732G    | 51.81             | 74.00             | -22.19         | 13.43          | 3           | Vertical  | 239            | 1.90          | -        |

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

## 5825MHz\_TX

17/08/2018

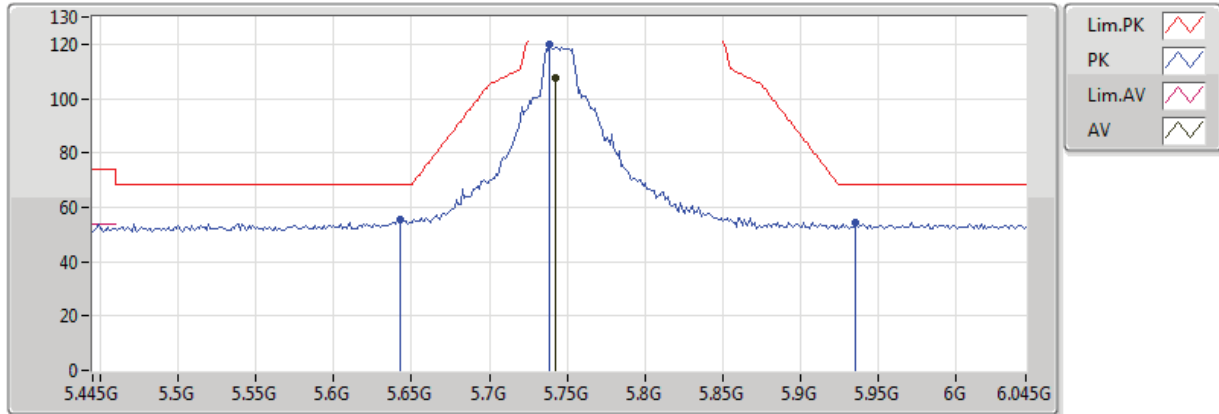


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.6515G     | 37.72             | 54.00             | -16.28         | 13.43          | 3           | Horizontal | 338            | 1.37          | -        |
| PK   | 11.65048G    | 51.61             | 74.00             | -22.39         | 13.43          | 3           | Horizontal | 338            | 1.37          | -        |

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

## 5745MHz\_TX

17/08/2018

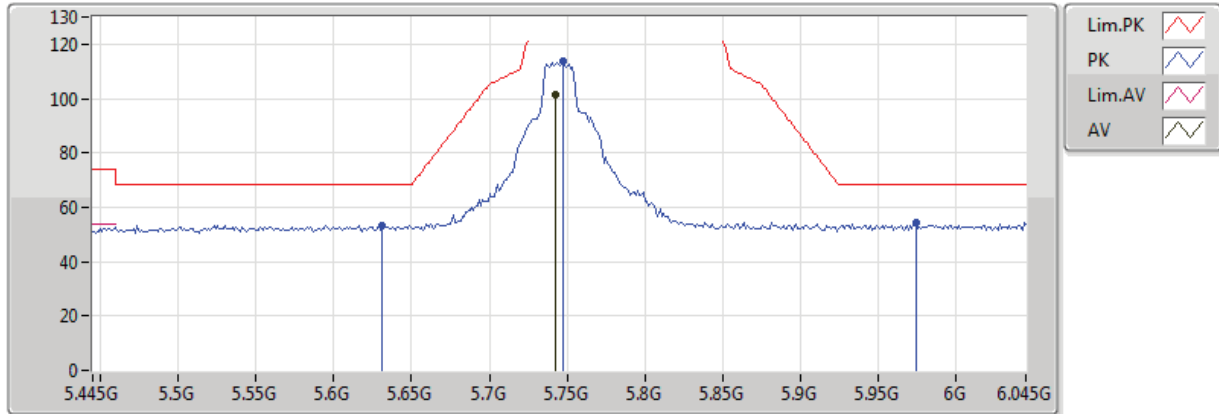


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7426G      | 107.52            | Inf               | -Inf           | 3.62           | 3           | Vertical  | 29             | 1.51          | -        |
| PK   | 5.643G       | 55.75             | 68.20             | -12.45         | 3.43           | 3           | Vertical  | 29             | 1.51          | -        |
| PK   | 5.739G       | 119.84            | Inf               | -Inf           | 3.61           | 3           | Vertical  | 29             | 1.51          | -        |
| PK   | 5.9358G      | 54.39             | 68.20             | -13.81         | 4.01           | 3           | Vertical  | 29             | 1.51          | -        |

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

## 5745MHz\_TX

17/08/2018

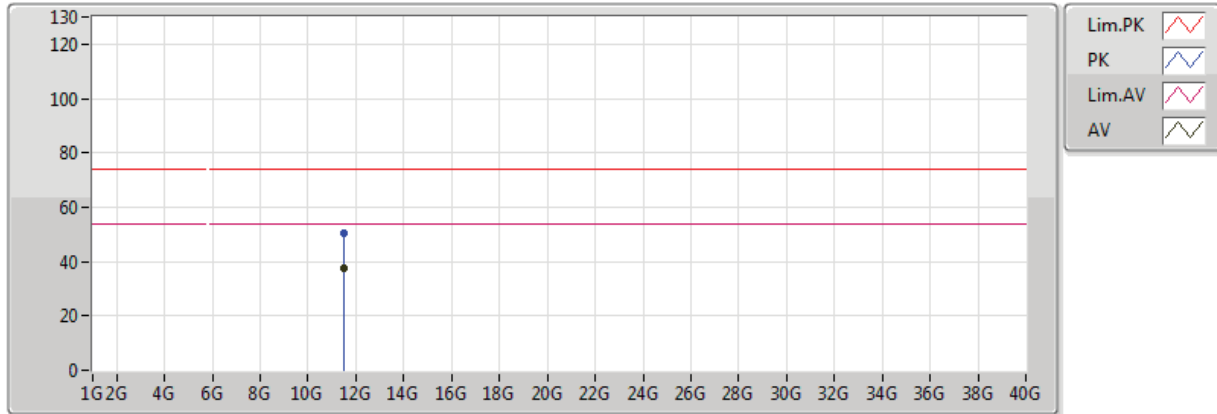


| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments |
|------|---------|----------|----------|--------|--------|------|------------|---------|--------|----------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          |
| AV   | 5.7426G | 101.41   | Inf      | -Inf   | 3.62   | 3    | Horizontal | 157     | 1.54   | -        |
| PK   | 5.631G  | 53.43    | 68.20    | -14.77 | 3.40   | 3    | Horizontal | 157     | 1.54   | -        |
| PK   | 5.7474G | 113.93   | Inf      | -Inf   | 3.63   | 3    | Horizontal | 157     | 1.54   | -        |
| PK   | 5.9742G | 54.10    | 68.20    | -14.10 | 4.07   | 3    | Horizontal | 157     | 1.54   | -        |

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

## 5745MHz\_TX

17/08/2018

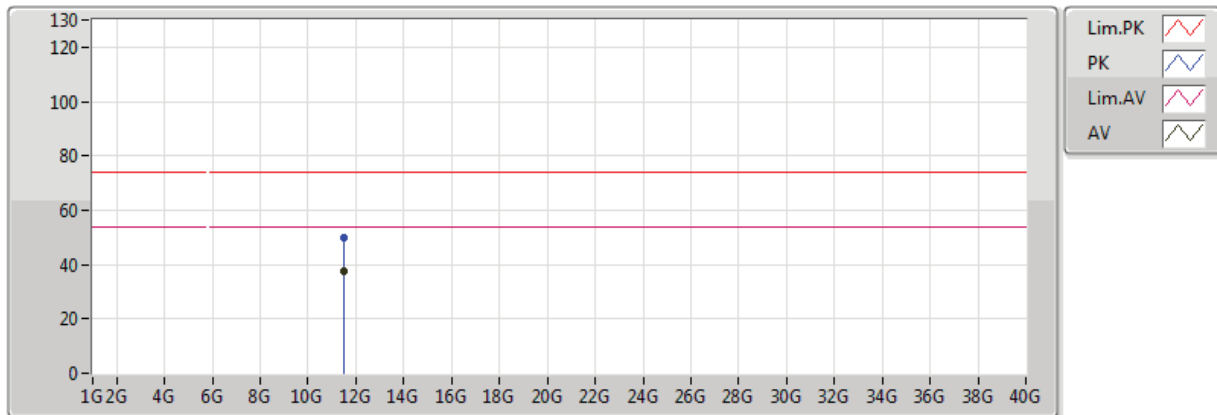


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.48988G    | 37.78             | 54.00             | -16.22         | 13.58          | 3           | Vertical  | 99             | 2.93          | -        |
| PK   | 11.4897G     | 50.27             | 74.00             | -23.73         | 13.58          | 3           | Vertical  | 99             | 2.93          | -        |

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

## 5745MHz\_TX

17/08/2018

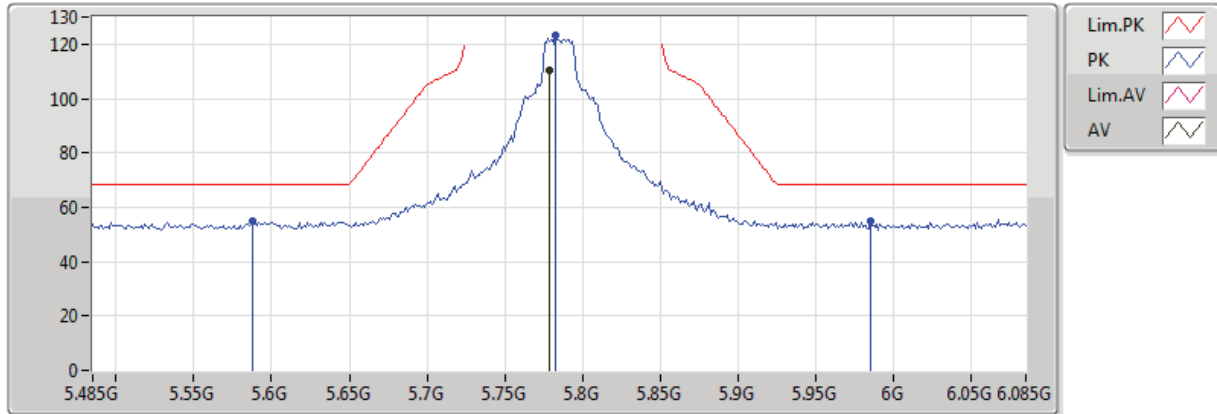


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.48994G    | 37.75             | 54.00             | -16.25         | 13.58          | 3           | Horizontal | 11             | 1.48          | -        |
| PK   | 11.49708G    | 50.10             | 74.00             | -23.90         | 13.57          | 3           | Horizontal | 11             | 1.48          | -        |

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

## 5785MHz\_TX

17/08/2018

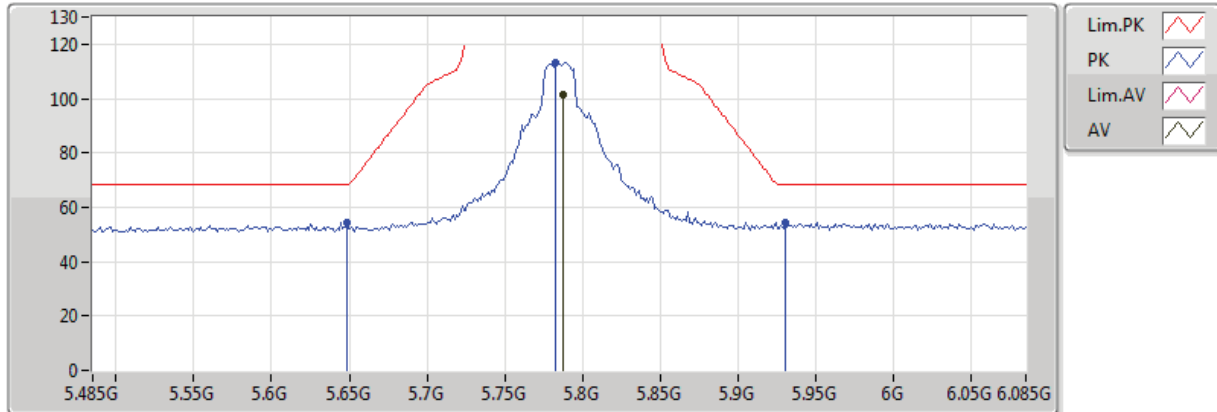


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.779G       | 110.31            | Inf               | -Inf           | 3.69           | 3           | Vertical  | 196            | 1.61          | -        |
| PK   | 5.5882G      | 55.16             | 68.20             | -13.04         | 3.31           | 3           | Vertical  | 196            | 1.61          | -        |
| PK   | 5.7826G      | 123.44            | Inf               | -Inf           | 3.70           | 3           | Vertical  | 196            | 1.61          | -        |
| PK   | 5.9854G      | 54.87             | 68.20             | -13.33         | 4.10           | 3           | Vertical  | 196            | 1.61          | -        |

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

## 5785MHz\_TX

17/08/2018



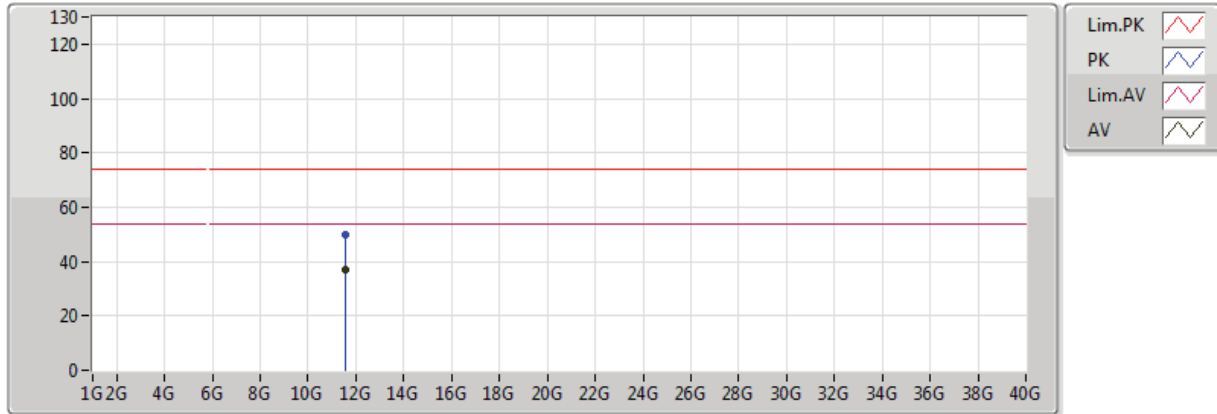
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.7874G      | 101.47            | Inf               | -Inf           | 3.71           | 3           | Horizontal | 174            | 1.33          | -        |
| PK   | 5.6482G      | 54.49             | 68.20             | -13.71         | 3.44           | 3           | Horizontal | 174            | 1.33          | -        |
| PK   | 5.7826G      | 113.42            | Inf               | -Inf           | 3.70           | 3           | Horizontal | 174            | 1.33          | -        |
| PK   | 5.9302G      | 54.51             | 68.20             | -13.69         | 3.99           | 3           | Horizontal | 174            | 1.33          | -        |



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

## 5785MHz\_TX

17/08/2018

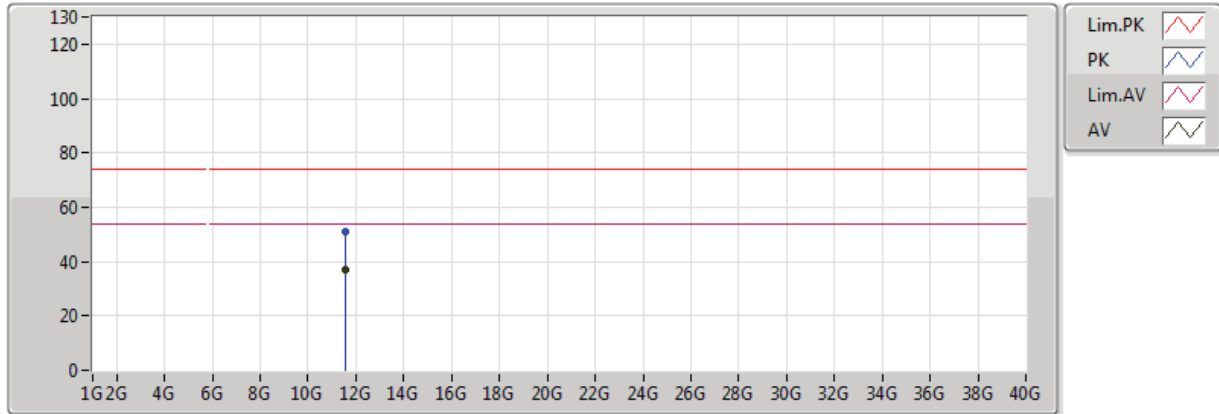


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.55668G    | 36.92             | 54.00             | -17.08         | 13.52          | 3           | Vertical  | 84             | 1.50          | -        |
| PK   | 11.57096G    | 50.08             | 74.00             | -23.92         | 13.50          | 3           | Vertical  | 84             | 1.50          | -        |

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

## 5785MHz\_TX

17/08/2018

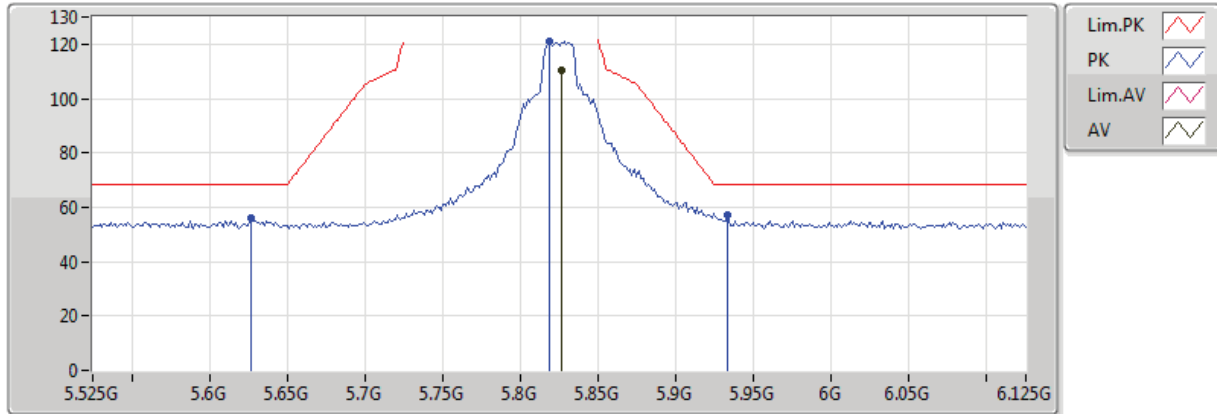


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.58128G    | 37.07             | 54.00             | -16.93         | 13.50          | 3           | Horizontal | 55             | 1.55          | -        |
| PK   | 11.58116G    | 50.86             | 74.00             | -23.14         | 13.50          | 3           | Horizontal | 55             | 1.55          | -        |

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

## 5825MHz\_TX

17/08/2018

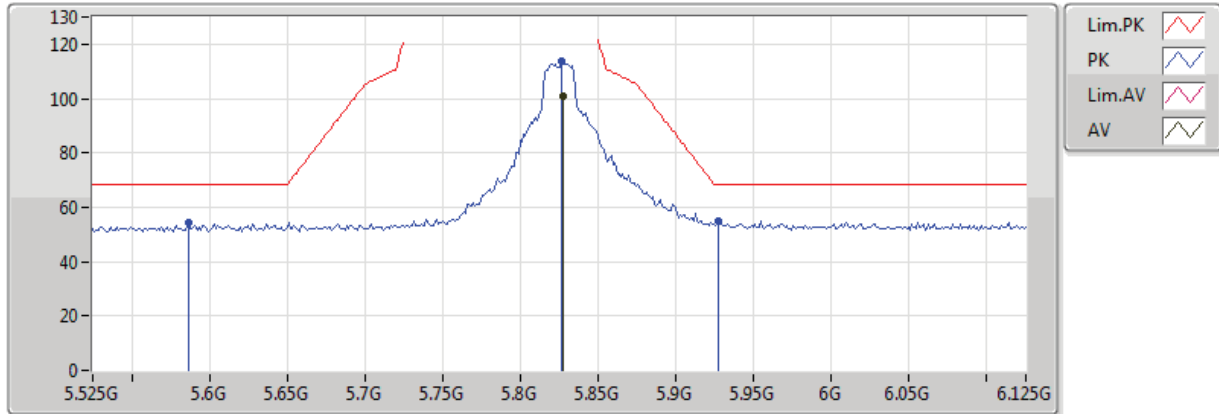


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.8262G      | 110.21            | Inf               | -Inf           | 3.78           | 3           | Vertical  | 190            | 2.75          | -        |
| PK   | 5.627G       | 56.29             | 68.20             | -11.91         | 3.40           | 3           | Vertical  | 190            | 2.75          | -        |
| PK   | 5.819G       | 121.13            | Inf               | -Inf           | 3.77           | 3           | Vertical  | 190            | 2.75          | -        |
| PK   | 5.933G       | 57.39             | 68.20             | -10.81         | 4.00           | 3           | Vertical  | 190            | 2.75          | -        |

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

## 5825MHz\_TX

17/08/2018

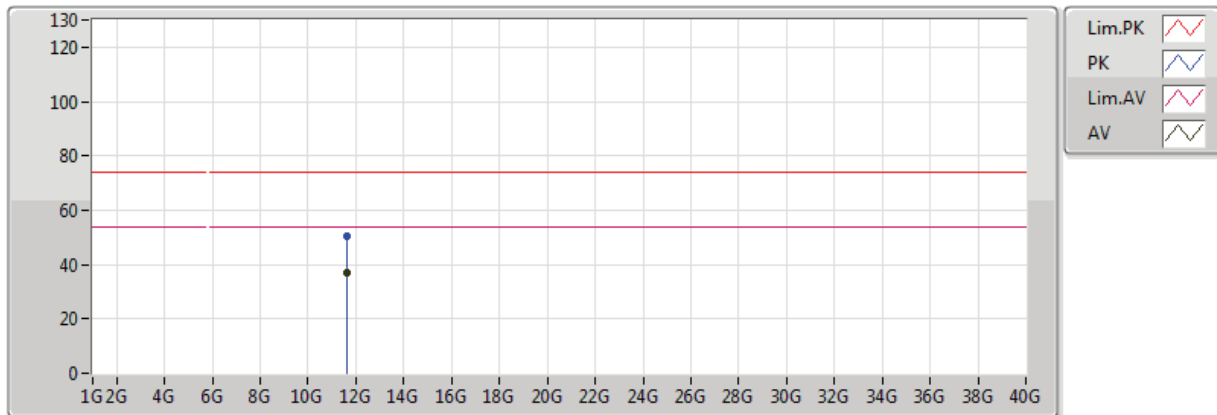


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.8274G      | 101.10            | Inf               | -Inf           | 3.78           | 3           | Horizontal | 202            | 1.38          | -        |
| PK   | 5.5862G      | 54.13             | 68.20             | -14.07         | 3.31           | 3           | Horizontal | 202            | 1.38          | -        |
| PK   | 5.8262G      | 113.94            | Inf               | -Inf           | 3.78           | 3           | Horizontal | 202            | 1.38          | -        |
| PK   | 5.927G       | 54.85             | 68.20             | -13.35         | 3.99           | 3           | Horizontal | 202            | 1.38          | -        |

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

## 5825MHz\_TX

17/08/2018

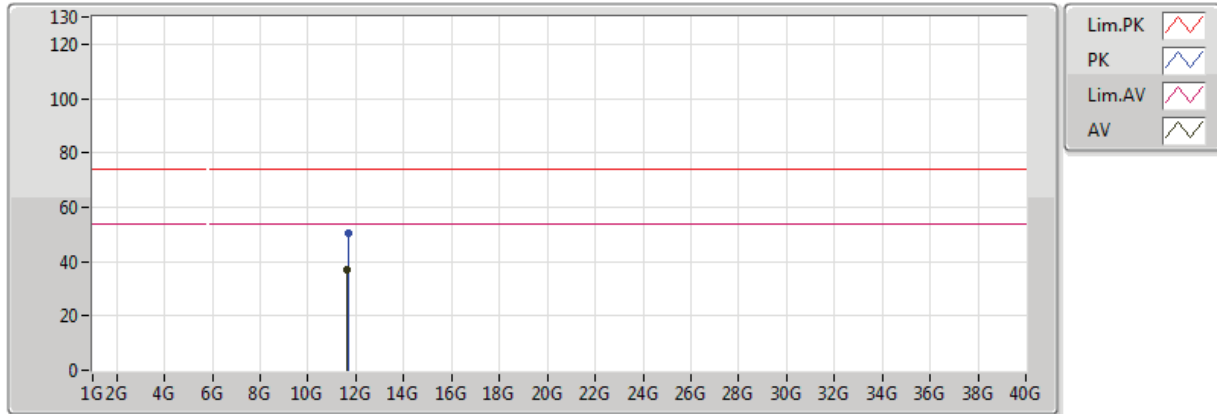


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.64148G    | 36.93             | 54.00             | -17.07         | 13.44          | 3           | Vertical  | 31             | 1.51          | -        |
| PK   | 11.64124G    | 50.52             | 74.00             | -23.48         | 13.44          | 3           | Vertical  | 31             | 1.51          | -        |

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

## 5825MHz\_TX

17/08/2018

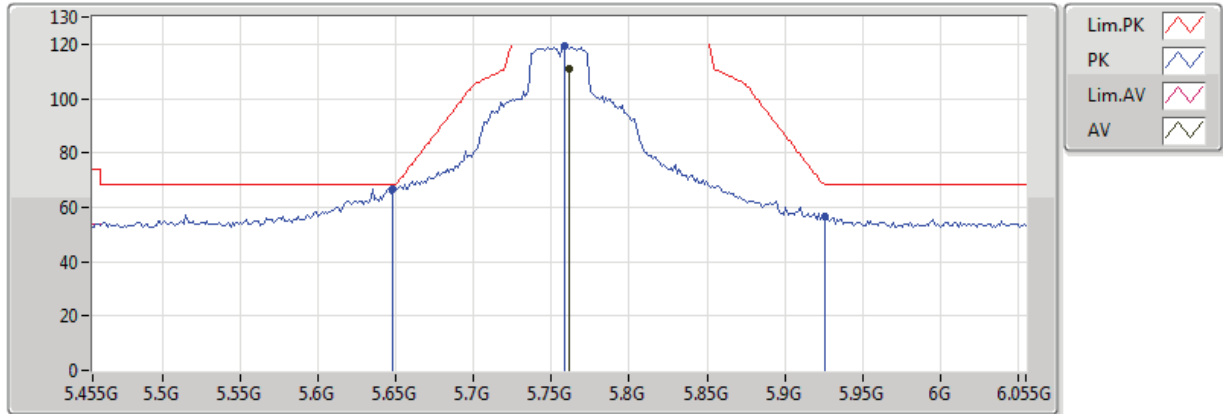


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.63518G    | 36.94             | 54.00             | -17.06         | 13.45          | 3           | Horizontal | 40             | 1.64          | -        |
| PK   | 11.66038G    | 50.47             | 74.00             | -23.53         | 13.42          | 3           | Horizontal | 40             | 1.64          | -        |

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

## 5755MHz\_TX

16/08/2018

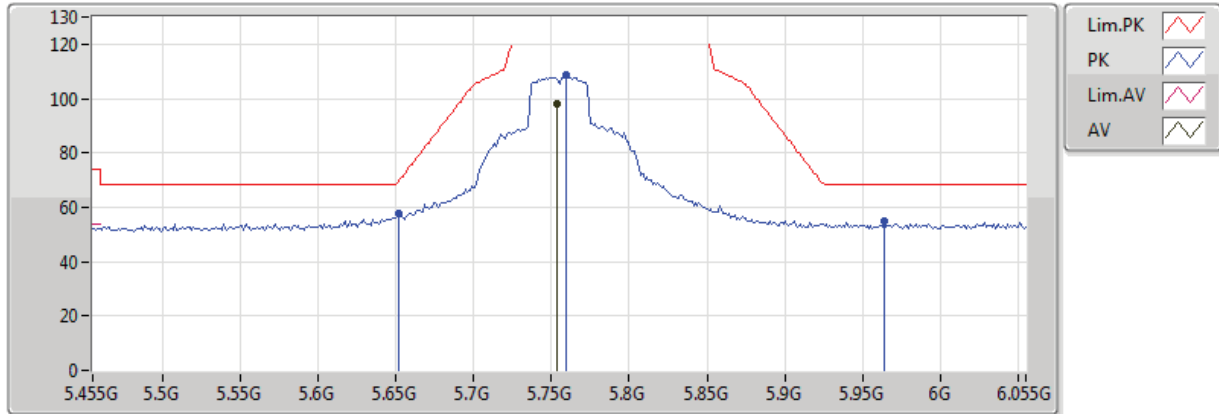


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.761G       | 111.02            | Inf               | -Inf           | 3.66           | 3           | Vertical  | 208            | 1.84          | -        |
| PK   | 5.6482G      | 66.93             | 68.20             | -1.27          | 3.44           | 3           | Vertical  | 208            | 1.84          | -        |
| PK   | 5.7586G      | 119.13            | Inf               | -Inf           | 3.65           | 3           | Vertical  | 208            | 1.84          | -        |
| PK   | 5.9254G      | 56.56             | 68.20             | -11.64         | 3.99           | 3           | Vertical  | 208            | 1.84          | -        |

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

## 5755MHz\_TX

16/08/2018

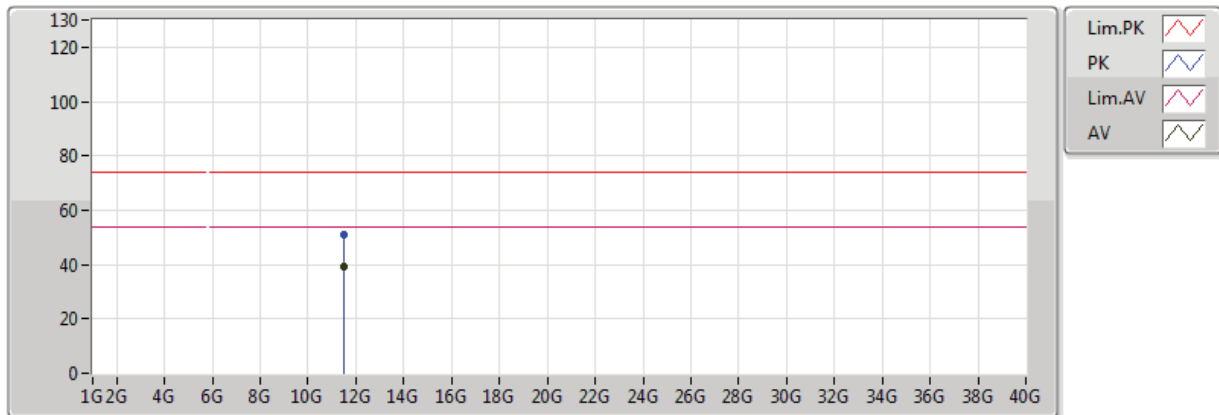




# 802.11ac VHT40\_Nss1,(MCS0)\_4TX

## 5755MHz\_TX

16/08/2018

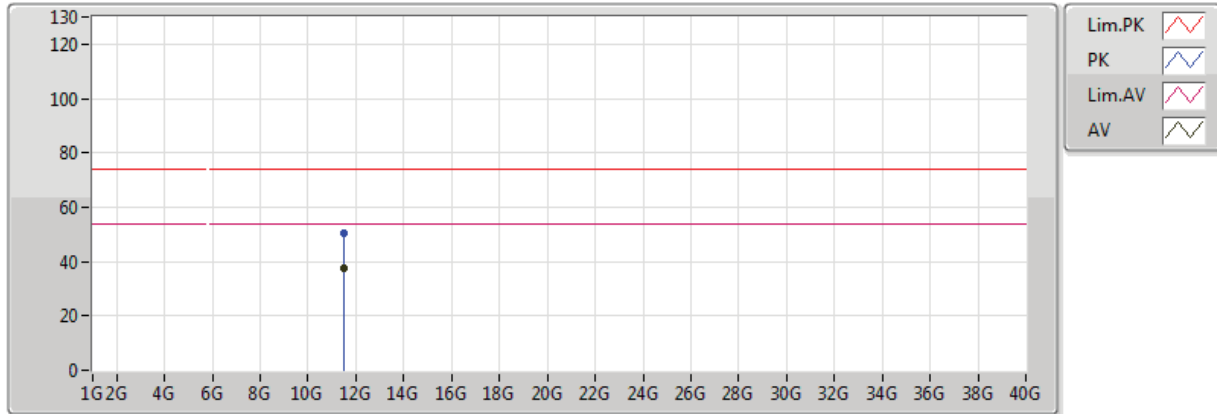


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.50994G    | 39.23             | 54.00             | -14.77         | 13.56          | 3           | Vertical  | 43             | 1.02          | -        |
| PK   | 11.50352G    | 51.08             | 74.00             | -22.92         | 13.57          | 3           | Vertical  | 43             | 1.02          | -        |

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

## 5755MHz\_TX

16/08/2018

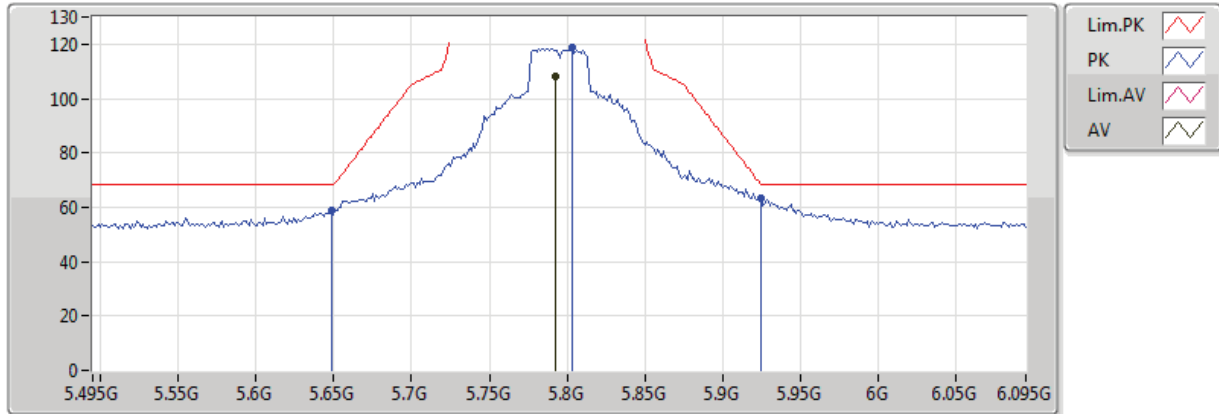


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.4968G     | 37.62             | 54.00             | -16.38         | 13.57          | 3           | Horizontal | 169            | 1.70          | -        |
| PK   | 11.51432G    | 50.53             | 74.00             | -23.47         | 13.56          | 3           | Horizontal | 189            | 1.70          | -        |

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

## 5795MHz\_TX

17/08/2018

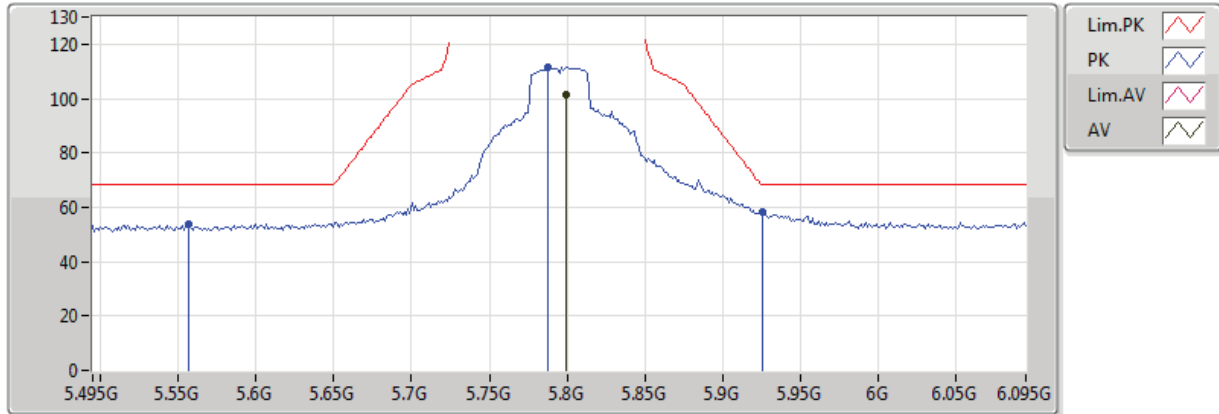


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7926G      | 108.41            | Inf               | -Inf           | 3.72           | 3           | Vertical  | 298            | 2.98          | -        |
| PK   | 5.6486G      | 58.71             | 68.20             | -9.49          | 3.44           | 3           | Vertical  | 298            | 2.98          | -        |
| PK   | 5.8034G      | 118.86            | Inf               | -Inf           | 3.74           | 3           | Vertical  | 298            | 2.98          | -        |
| PK   | 5.9246G      | 63.13             | 68.50             | -5.37          | 3.98           | 3           | Vertical  | 298            | 2.98          | -        |

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

## 5795MHz\_TX

17/08/2018

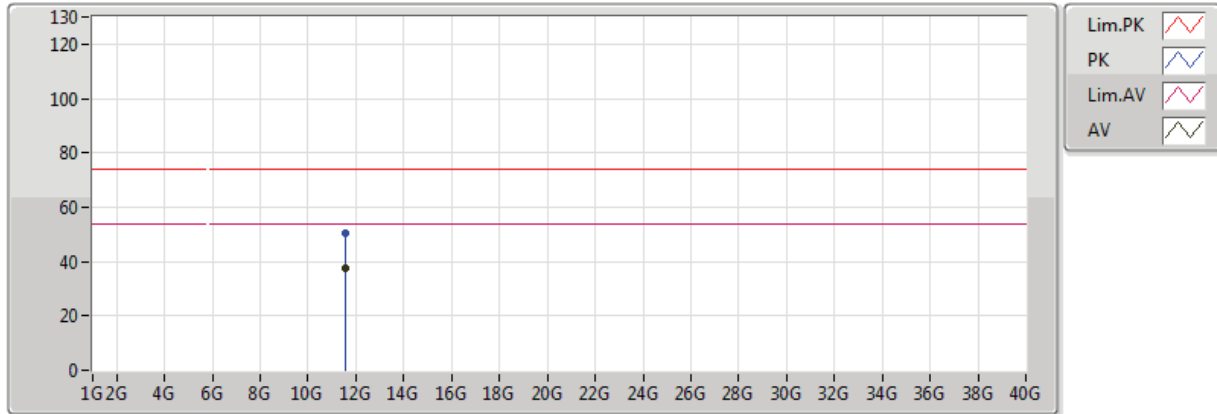


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.7998G      | 101.44            | Inf               | -Inf           | 3.73           | 3           | Horizontal | 195            | 3.19          | -        |
| PK   | 5.5562G      | 53.96             | 68.20             | -14.24         | 3.25           | 3           | Horizontal | 195            | 3.19          | -        |
| PK   | 5.7878G      | 111.76            | Inf               | -Inf           | 3.71           | 3           | Horizontal | 195            | 3.19          | -        |
| PK   | 5.9258G      | 58.10             | 68.20             | -10.10         | 3.99           | 3           | Horizontal | 195            | 3.19          | -        |

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

## 5795MHz\_TX

17/08/2018

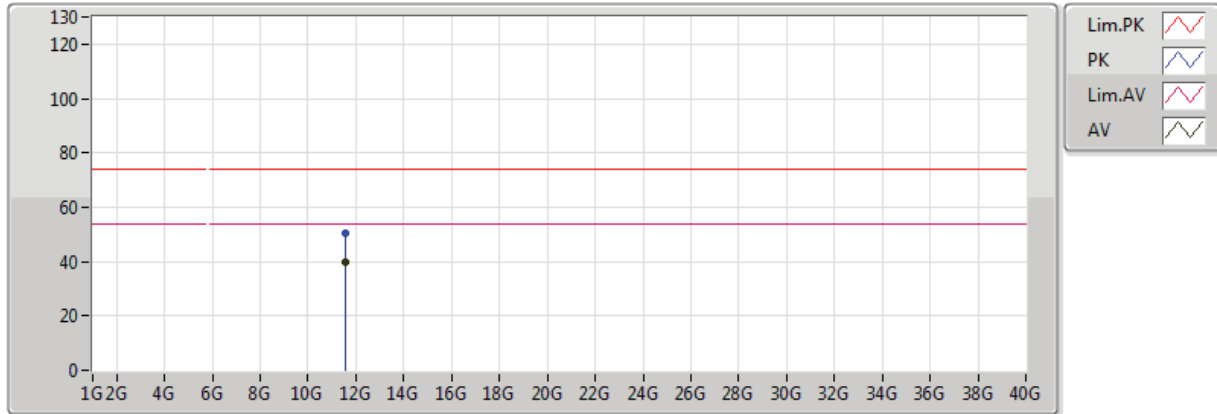


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.58976G    | 37.72             | 54.00             | -16.28         | 13.49          | 3           | Vertical  | 104            | 2.93          | -        |
| PK   | 11.58406G    | 50.20             | 74.00             | -23.80         | 13.49          | 3           | Vertical  | 104            | 2.93          | -        |

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

## 5795MHz\_TX

17/08/2018

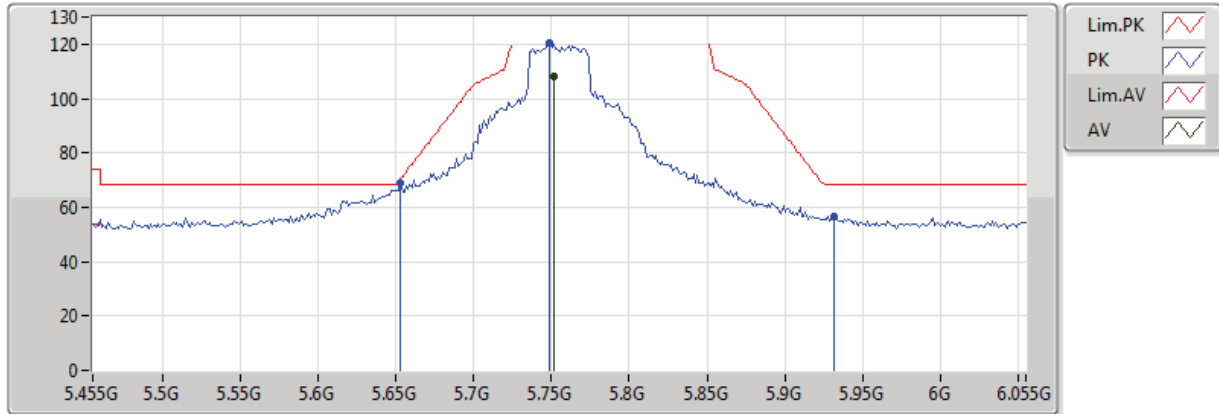


| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|----------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          |
| AV   | 11.58988G | 39.53    | 54.00    | -14.47 | 13.49  | 3    | Horizontal | 122     | 1.48   | -        |
| PK   | 11.59096G | 50.46    | 74.00    | -23.54 | 13.49  | 3    | Horizontal | 122     | 1.48   | -        |

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

## 5755MHz\_TX

17/08/2018

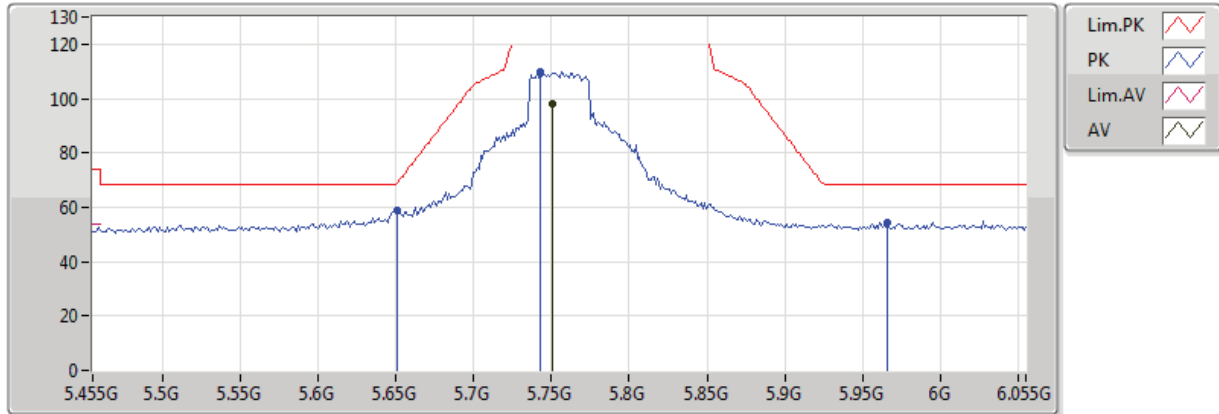


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7514G      | 108.07            | Inf               | -Inf           | 3.64           | 3           | Vertical  | 198            | 1.79          | -        |
| PK   | 5.653G       | 68.70             | 70.42             | -1.72          | 3.44           | 3           | Vertical  | 198            | 1.79          | -        |
| PK   | 5.749G       | 120.41            | Inf               | -Inf           | 3.63           | 3           | Vertical  | 198            | 1.79          | -        |
| PK   | 5.9314G      | 56.54             | 68.20             | -11.66         | 3.99           | 3           | Vertical  | 198            | 1.79          | -        |

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

## 5755MHz\_TX

17/08/2018



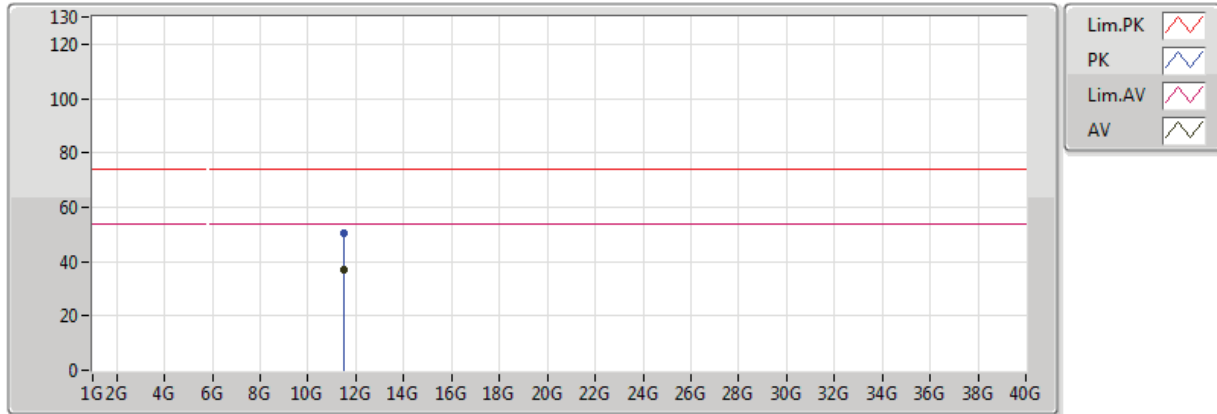
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.7502G      | 98.02             | Inf               | -Inf           | 3.64           | 3           | Horizontal | 177            | 1.42          | -        |
| PK   | 5.6506G      | 58.80             | 68.64             | -9.84          | 3.44           | 3           | Horizontal | 177            | 1.42          | -        |
| PK   | 5.743G       | 109.69            | Inf               | -Inf           | 3.62           | 3           | Horizontal | 177            | 1.42          | -        |
| PK   | 5.9662G      | 54.24             | 68.20             | -13.96         | 4.06           | 3           | Horizontal | 177            | 1.42          | -        |



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

## 5755MHz\_TX

17/08/2018

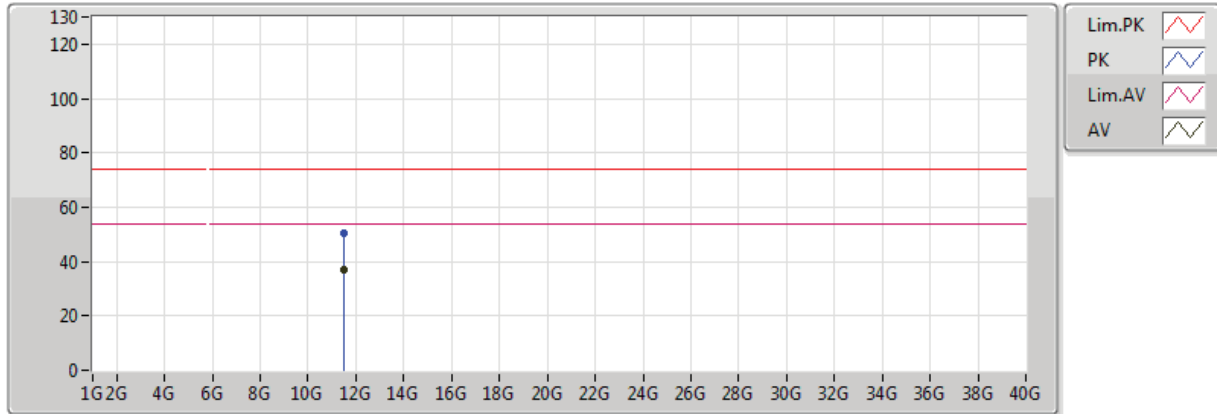


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.49674G    | 36.93             | 54.00             | -17.07         | 13.57          | 3           | Vertical  | 112            | 1.41          | -        |
| PK   | 11.50346G    | 50.20             | 74.00             | -23.80         | 13.57          | 3           | Vertical  | 112            | 1.41          | -        |

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

## 5755MHz\_TX

17/08/2018

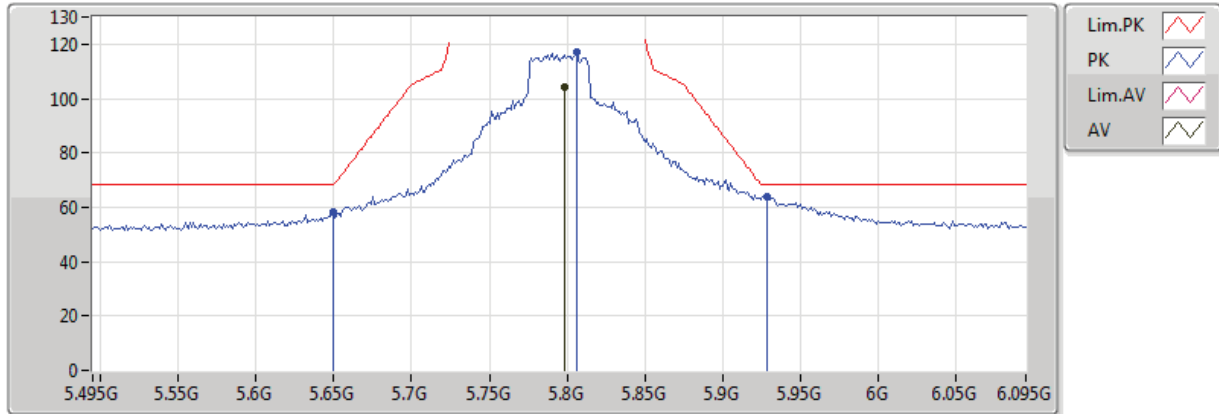


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.51408G    | 37.00             | 54.00             | -17.00         | 13.56          | 3           | Horizontal | 78             | 1.80          | -        |
| PK   | 11.51762G    | 50.55             | 74.00             | -23.45         | 13.55          | 3           | Horizontal | 78             | 1.80          | -        |

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

## 5795MHz\_TX

17/08/2018

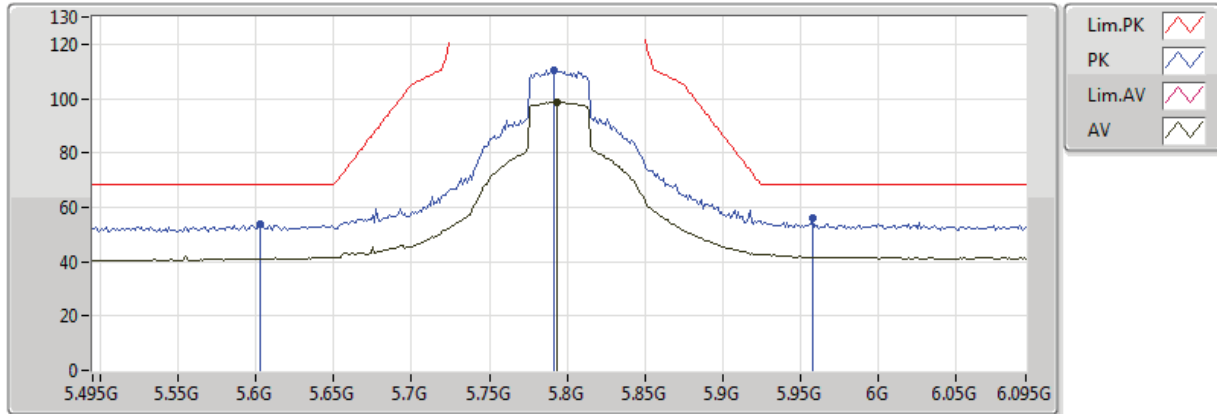


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7986G      | 103.95            | Inf               | -Inf           | 3.73           | 3           | Vertical  | 32             | 1.39          | -        |
| PK   | 5.6498G      | 58.45             | 68.20             | -9.75          | 3.44           | 3           | Vertical  | 32             | 1.39          | -        |
| PK   | 5.8058G      | 116.94            | Inf               | -Inf           | 3.74           | 3           | Vertical  | 32             | 1.39          | -        |
| PK   | 5.9282G      | 64.04             | 68.20             | -4.16          | 3.99           | 3           | Vertical  | 32             | 1.39          | -        |

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

## 5795MHz\_TX

17/08/2018

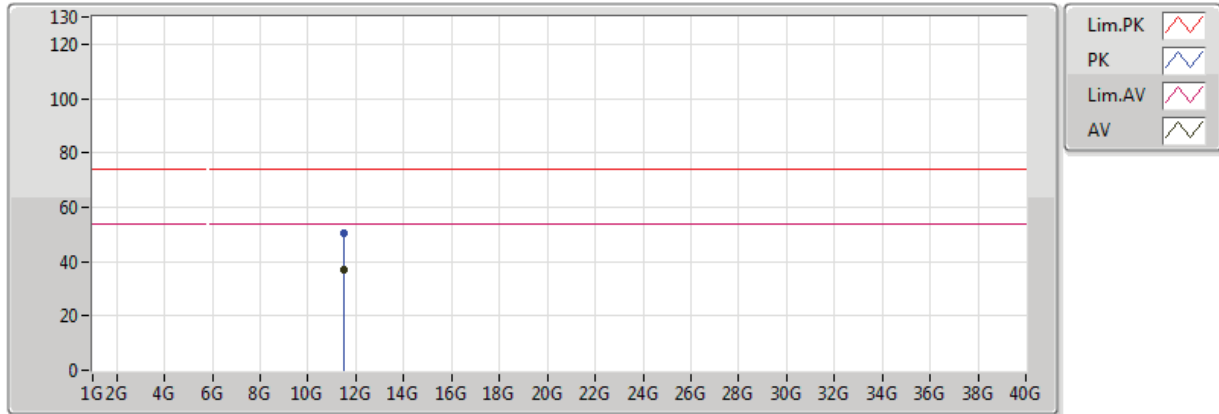


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.7938G      | 98.76             | Inf               | -Inf           | 3.72           | 3           | Horizontal | 158            | 1.53          | -        |
| PK   | 5.603G       | 53.89             | 68.20             | -14.31         | 3.34           | 3           | Horizontal | 158            | 1.53          | -        |
| PK   | 5.7914G      | 110.54            | Inf               | -Inf           | 3.71           | 3           | Horizontal | 158            | 1.53          | -        |
| PK   | 5.9582G      | 55.91             | 68.20             | -12.29         | 4.04           | 3           | Horizontal | 158            | 1.53          | -        |

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

## 5795MHz\_TX

17/08/2018

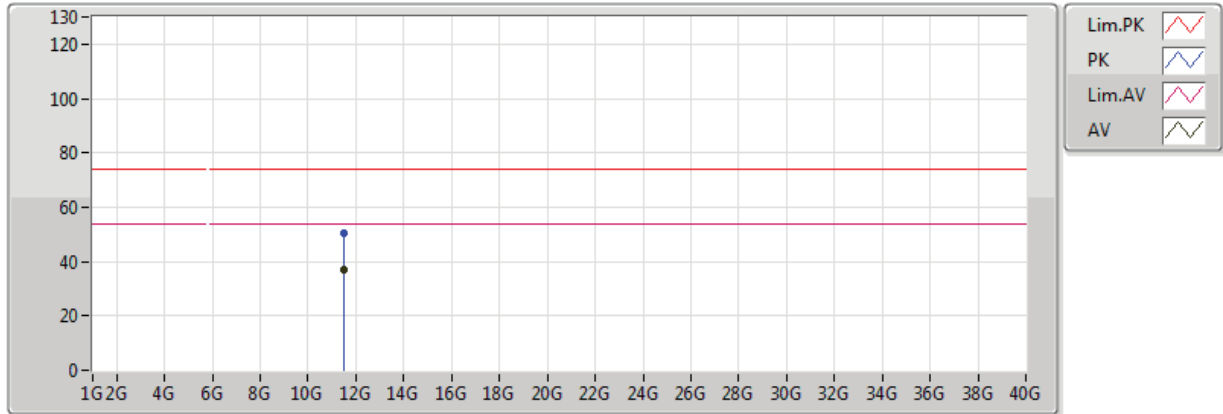


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.49626G    | 37.08             | 54.00             | -16.92         | 13.57          | 3           | Vertical  | 104            | 1.77          | -        |
| PK   | 11.50178G    | 50.19             | 74.00             | -23.81         | 13.57          | 3           | Vertical  | 104            | 1.77          | -        |

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

## 5795MHz\_TX

17/08/2018

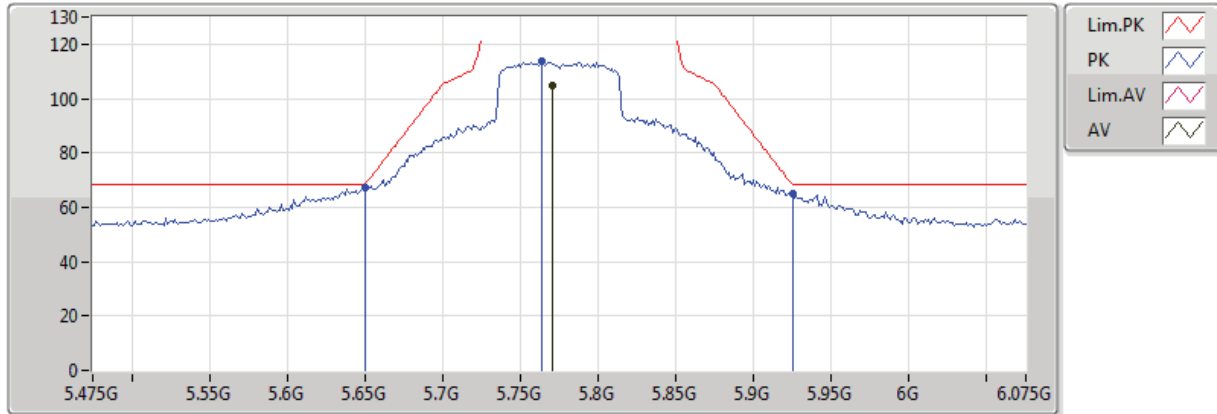


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.51036G    | 37.03             | 54.00             | -16.97         | 13.56          | 3           | Horizontal | 96             | 1.92          | -        |
| PK   | 11.50634G    | 50.52             | 74.00             | -23.48         | 13.56          | 3           | Horizontal | 96             | 1.92          | -        |

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

## 5775MHz\_TX

17/08/2018

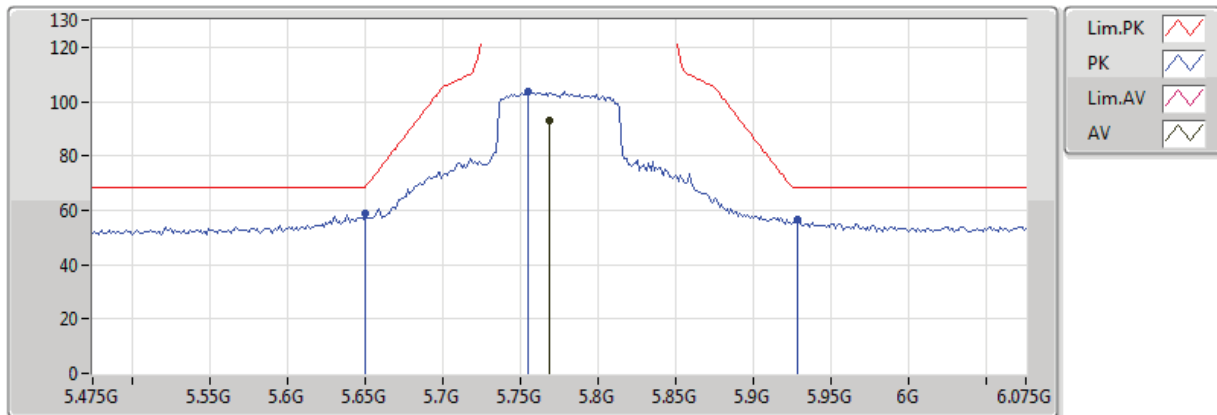


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7702G      | 104.73            | Inf               | -Inf           | 3.67           | 3           | Vertical  | 258            | 1.55          | -        |
| PK   | 5.6502G      | 67.29             | 68.35             | -1.06          | 3.44           | 3           | Vertical  | 258            | 1.55          | -        |
| PK   | 5.7642G      | 113.69            | Inf               | -Inf           | 3.66           | 3           | Vertical  | 258            | 1.55          | -        |
| PK   | 5.925G       | 65.20             | 68.20             | -3.00          | 3.98           | 3           | Vertical  | 258            | 1.55          | -        |

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

## 5775MHz\_TX

17/08/2018



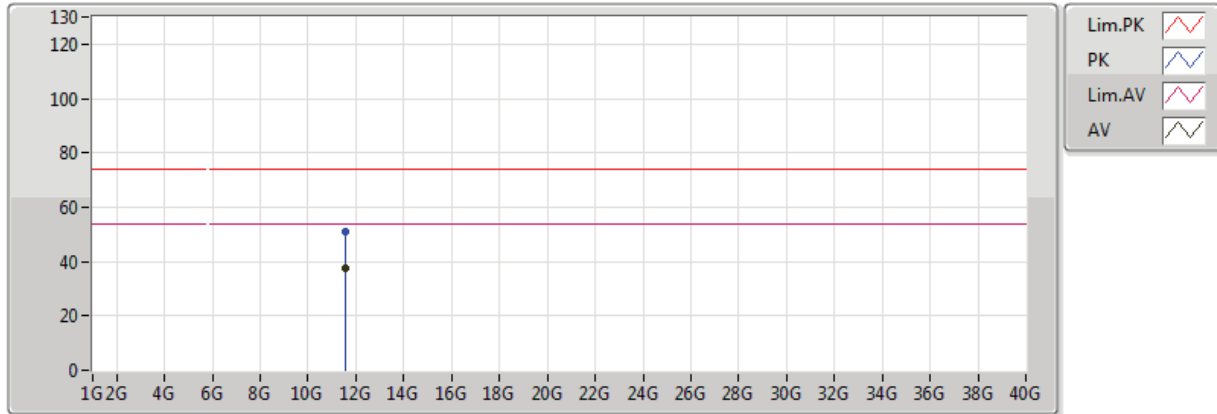
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.769G       | 93.15             | Inf               | -Inf           | 3.67           | 3           | Horizontal | 215            | 1.57          | -        |
| PK   | 5.6502G      | 58.76             | 68.35             | -9.59          | 3.44           | 3           | Horizontal | 215            | 1.57          | -        |
| PK   | 5.7546G      | 103.90            | Inf               | -Inf           | 3.64           | 3           | Horizontal | 215            | 1.57          | -        |
| PK   | 5.9286G      | 56.52             | 68.20             | -11.68         | 3.99           | 3           | Horizontal | 215            | 1.57          | -        |



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

## 5775MHz\_TX

17/08/2018

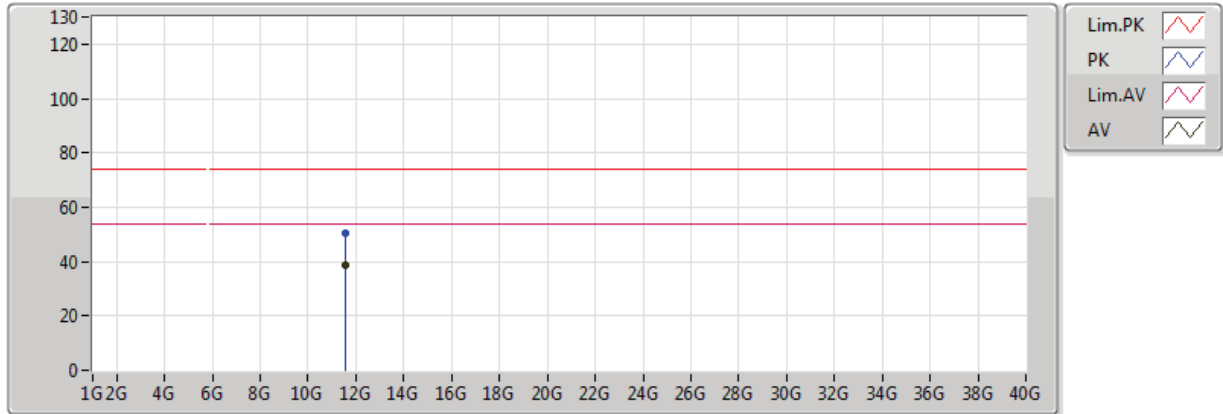


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.54982G    | 37.37             | 54.00             | -16.63         | 13.52          | 3           | Vertical  | 322            | 2.99          | -        |
| PK   | 11.55786G    | 50.94             | 74.00             | -23.06         | 13.52          | 3           | Vertical  | 322            | 2.99          | -        |

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

## 5775MHz\_TX

17/08/2018

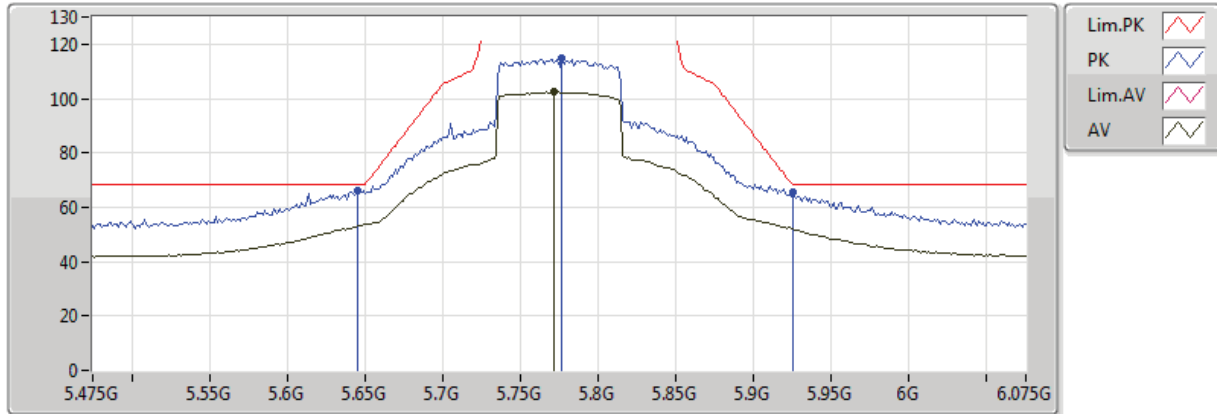


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.55G       | 38.86             | 54.00             | -15.14         | 13.52          | 3           | Horizontal | 127            | 1.46          | -        |
| PK   | 11.55G       | 50.50             | 74.00             | -23.50         | 13.52          | 3           | Horizontal | 127            | 1.46          | -        |

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

## 5775MHz\_TX

17/08/2018

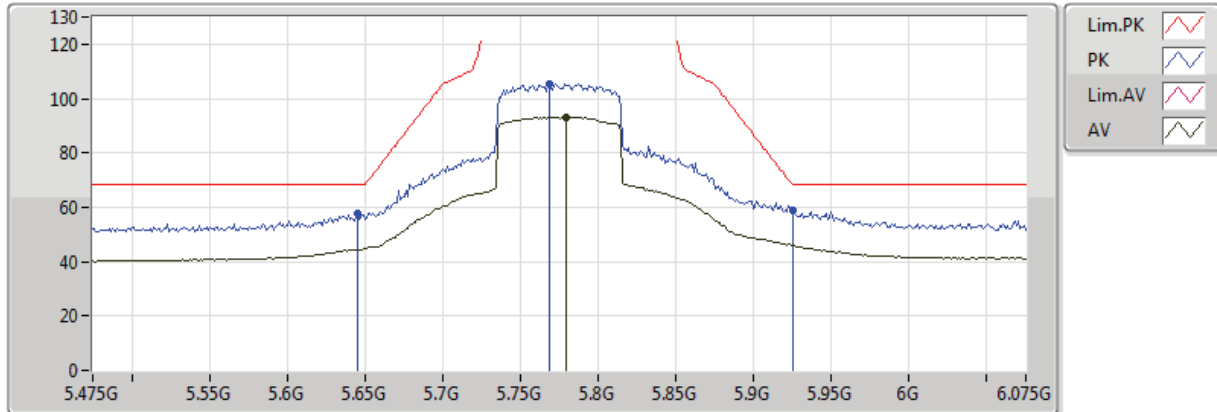


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7714G      | 102.50            | Inf               | -Inf           | 3.68           | 3           | Vertical  | 310            | 1.50          | -        |
| PK   | 5.6454G      | 66.32             | 68.20             | -1.88          | 3.43           | 3           | Vertical  | 310            | 1.50          | -        |
| PK   | 5.7762G      | 114.71            | Inf               | -Inf           | 3.68           | 3           | Vertical  | 310            | 1.50          | -        |
| PK   | 5.925G       | 65.74             | 68.20             | -2.46          | 3.98           | 3           | Vertical  | 310            | 1.50          | -        |

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

## 5775MHz\_TX

17/08/2018

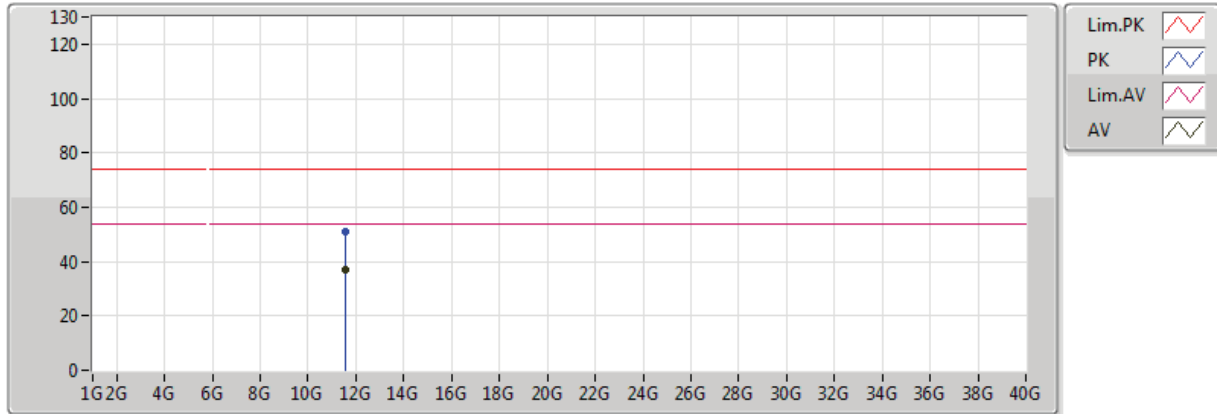


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.7798G      | 93.21             | Inf               | -Inf           | 3.69           | 3           | Horizontal | 213            | 1.34          | -        |
| PK   | 5.6454G      | 57.91             | 68.20             | -10.29         | 3.43           | 3           | Horizontal | 213            | 1.34          | -        |
| PK   | 5.769G       | 105.60            | Inf               | -Inf           | 3.67           | 3           | Horizontal | 213            | 1.34          | -        |
| PK   | 5.925G       | 59.07             | 68.20             | -9.13          | 3.98           | 3           | Horizontal | 213            | 1.34          | -        |

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

## 5775MHz\_TX

17/08/2018

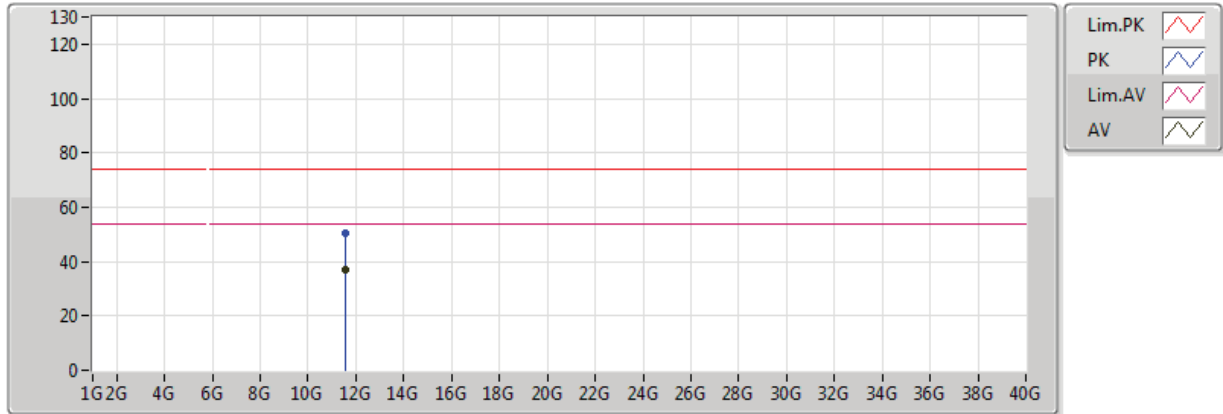


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.5629G     | 37.10             | 54.00             | -16.90         | 13.51          | 3           | Vertical  | 312            | 2.00          | -        |
| PK   | 11.5476G     | 50.79             | 74.00             | -23.21         | 13.53          | 3           | Vertical  | 312            | 2.00          | -        |

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

## 5775MHz\_TX

17/08/2018



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.5356G     | 36.89             | 54.00             | -17.11         | 13.54          | 3           | Horizontal | 269            | 1.69          | -        |
| PK   | 11.54112G    | 50.39             | 74.00             | -23.61         | 13.53          | 3           | Horizontal | 269            | 1.69          | -        |



**Summary**

| Mode                              | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|-----------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| 5.725-5.85GHz                     | -      | -    | -            | -                 | -                 | -              | -              | -           | -         | -              | -             | -        |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | Pass   | PK   | 932.1M       | 40.70             | 46.00             | -5.30          | -5.58          | 3           | Vertical  | 0              | 1.00          | -        |

**Result**

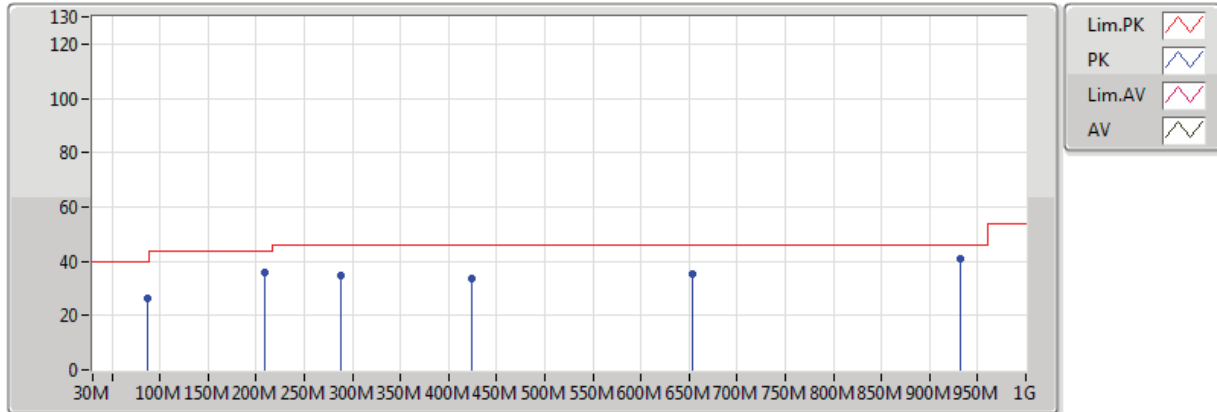
| Mode                              | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|-----------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5775MHz                           | Pass   | PK   | 86.26M       | 26.58             | 40.00             | -13.42         | -23.12         | 3           | Vertical   | 0              | 1.00          | -        |
| 5775MHz                           | Pass   | PK   | 208.48M      | 35.75             | 43.50             | -7.75          | -20.97         | 3           | Vertical   | 0              | 1.00          | -        |
| 5775MHz                           | Pass   | PK   | 288.02M      | 34.64             | 46.00             | -11.36         | -16.93         | 3           | Vertical   | 0              | 1.00          | -        |
| 5775MHz                           | Pass   | PK   | 423.82M      | 33.61             | 46.00             | -12.39         | -13.18         | 3           | Vertical   | 0              | 1.00          | -        |
| 5775MHz                           | Pass   | PK   | 652.74M      | 35.48             | 46.00             | -10.52         | -9.97          | 3           | Vertical   | 0              | 1.00          | -        |
| 5775MHz                           | Pass   | PK   | 932.1M       | 40.70             | 46.00             | -5.30          | -5.58          | 3           | Vertical   | 0              | 1.00          | -        |
| 5775MHz                           | Pass   | PK   | 119.24M      | 30.25             | 43.50             | -13.25         | -19.33         | 3           | Horizontal | 360            | 1.00          | -        |
| 5775MHz                           | Pass   | PK   | 158.04M      | 27.91             | 43.50             | -15.59         | -19.87         | 3           | Horizontal | 360            | 1.00          | -        |
| 5775MHz                           | Pass   | PK   | 224M         | 39.13             | 46.00             | -6.87          | -20.46         | 3           | Horizontal | 360            | 1.00          | -        |
| 5775MHz                           | Pass   | PK   | 317.12M      | 34.09             | 46.00             | -11.91         | -16.44         | 3           | Horizontal | 360            | 1.00          | -        |
| 5775MHz                           | Pass   | PK   | 394.72M      | 30.25             | 46.00             | -15.75         | -14.22         | 3           | Horizontal | 360            | 1.00          | -        |
| 5775MHz                           | Pass   | PK   | 652.74M      | 39.22             | 46.00             | -6.78          | -9.97          | 3           | Horizontal | 360            | 1.00          | -        |



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

## 5775MHz\_Adapter

31/08/2018

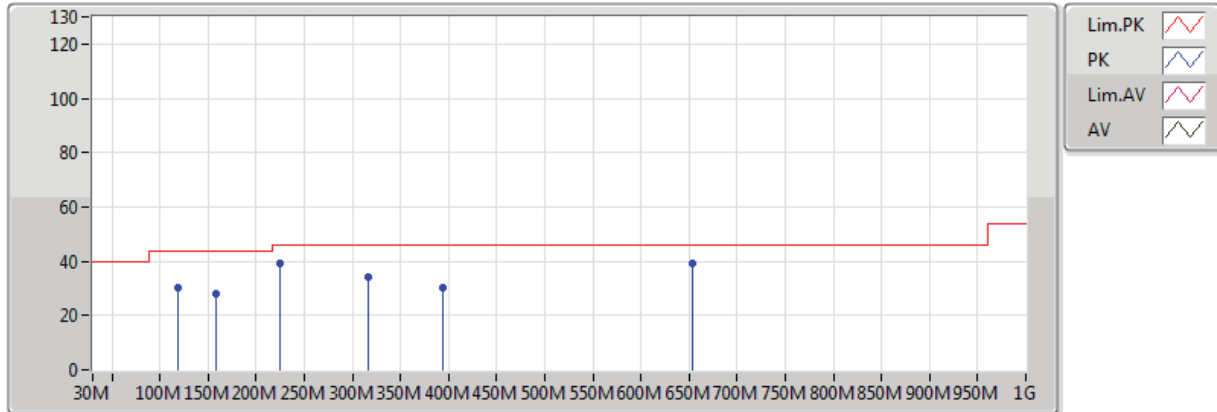


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| PK   | 86.26M       | 26.58             | 40.00             | -13.42         | -23.12         | 3           | Vertical  | 0              | 1.00          | -        |
| PK   | 208.48M      | 35.75             | 43.50             | -7.75          | -20.97         | 3           | Vertical  | 0              | 1.00          | -        |
| PK   | 288.02M      | 34.64             | 46.00             | -11.36         | -16.93         | 3           | Vertical  | 0              | 1.00          | -        |
| PK   | 423.82M      | 33.61             | 46.00             | -12.39         | -13.18         | 3           | Vertical  | 0              | 1.00          | -        |
| PK   | 652.74M      | 35.48             | 46.00             | -10.52         | -9.97          | 3           | Vertical  | 0              | 1.00          | -        |
| PK   | 932.1M       | 40.70             | 46.00             | -5.30          | -5.58          | 3           | Vertical  | 0              | 1.00          | -        |

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

## 5775MHz\_Adapter

31/08/2018



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 119.24M      | 30.25             | 43.50             | -13.25         | -19.33         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 158.04M      | 27.91             | 43.50             | -15.59         | -19.87         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 224M         | 39.13             | 46.00             | -6.87          | -20.46         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 317.12M      | 34.09             | 46.00             | -11.91         | -16.44         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 394.72M      | 30.25             | 46.00             | -15.75         | -14.22         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 652.74M      | 39.22             | 46.00             | -6.78          | -9.97          | 3           | Horizontal | 360            | 1.00          | -        |

**Summary**

| Mode                              | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|-----------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 5.15-5.25GHz                      | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | Pass   | AV   | 5.1492G      | 45.49             | 54.00             | -8.51          | 2.74           | 3           | Vertical   | 331            | 1.50          | -        |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | Pass   | AV   | 5.149995G    | 50.43             | 54.00             | -3.57          | 2.74           | 3           | Vertical   | 318            | 1.50          | -        |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | Pass   | AV   | 5.149995G    | 51.25             | 54.00             | -2.75          | 2.74           | 3           | Vertical   | 334            | 1.50          | -        |
| 5.725-5.85GHz                     | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | Pass   | PK   | 5.9726G      | 54.99             | 68.20             | -13.21         | 4.07           | 3           | Horizontal | 201            | 1.50          | -        |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | Pass   | PK   | 5.635G       | 62.04             | 68.20             | -6.16          | 3.41           | 3           | Vertical   | 258            | 1.50          | -        |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | Pass   | PK   | 5.6154G      | 60.65             | 68.20             | -7.55          | 3.37           | 3           | Vertical   | 319            | 1.50          | -        |



## Result

| Mode                              | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|-----------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5180MHz                           | Pass   | AV   | 5.1492G      | 45.49             | 54.00             | -8.51          | 2.74           | 3           | Vertical   | 331            | 1.50          | -        |
| 5180MHz                           | Pass   | AV   | 5.1788G      | 100.83            | Inf               | -Inf           | 2.77           | 3           | Vertical   | 331            | 1.50          | -        |
| 5180MHz                           | Pass   | PK   | 5.1484G      | 59.30             | 74.00             | -14.70         | 2.74           | 3           | Vertical   | 331            | 1.50          | -        |
| 5180MHz                           | Pass   | PK   | 5.1768G      | 111.84            | Inf               | -Inf           | 2.77           | 3           | Vertical   | 331            | 1.50          | -        |
| 5180MHz                           | Pass   | AV   | 5.148G       | 41.40             | 54.00             | -12.60         | 2.74           | 3           | Horizontal | 49             | 1.50          | -        |
| 5180MHz                           | Pass   | AV   | 5.1786G      | 90.44             | Inf               | -Inf           | 2.77           | 3           | Horizontal | 49             | 1.50          | -        |
| 5180MHz                           | Pass   | PK   | 5.1342G      | 55.13             | 74.00             | -18.87         | 2.72           | 3           | Horizontal | 49             | 1.50          | -        |
| 5180MHz                           | Pass   | PK   | 5.1784G      | 101.71            | Inf               | -Inf           | 2.77           | 3           | Horizontal | 49             | 1.50          | -        |
| 5180MHz                           | Pass   | AV   | 10.3643G     | 37.12             | 54.00             | -16.88         | 12.64          | 3           | Vertical   | 157            | 1.96          | -        |
| 5180MHz                           | Pass   | PK   | 10.36464G    | 50.19             | 74.00             | -23.81         | 12.64          | 3           | Vertical   | 157            | 1.96          | -        |
| 5180MHz                           | Pass   | AV   | 10.36374G    | 37.15             | 54.00             | -16.85         | 12.64          | 3           | Horizontal | 107            | 1.43          | -        |
| 5180MHz                           | Pass   | PK   | 10.35636G    | 50.06             | 74.00             | -23.94         | 12.63          | 3           | Horizontal | 107            | 1.43          | -        |
| 5200MHz                           | Pass   | AV   | 5.1024G      | 42.18             | 54.00             | -11.82         | 2.68           | 3           | Vertical   | 158            | 1.50          | -        |
| 5200MHz                           | Pass   | AV   | 5.1988G      | 104.67            | Inf               | -Inf           | 2.80           | 3           | Vertical   | 158            | 1.50          | -        |
| 5200MHz                           | Pass   | PK   | 5.1028G      | 55.12             | 74.00             | -18.88         | 2.68           | 3           | Vertical   | 158            | 1.50          | -        |
| 5200MHz                           | Pass   | PK   | 5.2012G      | 115.76            | Inf               | -Inf           | 2.80           | 3           | Vertical   | 158            | 1.50          | -        |
| 5200MHz                           | Pass   | AV   | 5.149995G    | 41.54             | 54.00             | -12.46         | 2.74           | 3           | Horizontal | 10             | 2.93          | -        |
| 5200MHz                           | Pass   | AV   | 5.2016G      | 92.40             | Inf               | -Inf           | 2.80           | 3           | Horizontal | 10             | 2.93          | -        |
| 5200MHz                           | Pass   | PK   | 5.1016G      | 53.97             | 74.00             | -20.03         | 2.68           | 3           | Horizontal | 10             | 2.93          | -        |
| 5200MHz                           | Pass   | PK   | 5.2044G      | 103.80            | Inf               | -Inf           | 2.80           | 3           | Horizontal | 10             | 2.93          | -        |
| 5200MHz                           | Pass   | AV   | 10.39966G    | 37.90             | 54.00             | -16.10         | 12.72          | 3           | Vertical   | 2              | 2.73          | -        |
| 5200MHz                           | Pass   | PK   | 10.40346G    | 51.42             | 74.00             | -22.58         | 12.73          | 3           | Vertical   | 2              | 2.73          | -        |
| 5200MHz                           | Pass   | AV   | 10.39634G    | 37.81             | 54.00             | -16.19         | 12.71          | 3           | Horizontal | 58             | 1.03          | -        |
| 5200MHz                           | Pass   | PK   | 10.40462G    | 51.42             | 74.00             | -22.58         | 12.73          | 3           | Horizontal | 58             | 1.03          | -        |
| 5240MHz                           | Pass   | AV   | 5.1464G      | 42.30             | 54.00             | -11.70         | 2.74           | 3           | Vertical   | 310            | 1.49          | -        |
| 5240MHz                           | Pass   | AV   | 5.2424G      | 103.79            | Inf               | -Inf           | 2.85           | 3           | Vertical   | 310            | 1.49          | -        |
| 5240MHz                           | Pass   | AV   | 5.351G       | 41.22             | 54.00             | -12.78         | 2.97           | 3           | Vertical   | 310            | 1.49          | -        |
| 5240MHz                           | Pass   | PK   | 5.1398G      | 54.51             | 74.00             | -19.49         | 2.73           | 3           | Vertical   | 310            | 1.49          | -        |
| 5240MHz                           | Pass   | PK   | 5.2418G      | 115.48            | Inf               | -Inf           | 2.85           | 3           | Vertical   | 310            | 1.49          | -        |
| 5240MHz                           | Pass   | PK   | 5.384G       | 53.11             | 74.00             | -20.89         | 3.01           | 3           | Vertical   | 310            | 1.49          | -        |
| 5240MHz                           | Pass   | AV   | 5.12G        | 41.25             | 54.00             | -12.75         | 2.70           | 3           | Horizontal | 162            | 1.50          | -        |
| 5240MHz                           | Pass   | AV   | 5.2436G      | 96.45             | Inf               | -Inf           | 2.85           | 3           | Horizontal | 162            | 1.50          | -        |
| 5240MHz                           | Pass   | AV   | 5.3636G      | 40.20             | 54.00             | -13.80         | 2.98           | 3           | Horizontal | 162            | 1.50          | -        |
| 5240MHz                           | Pass   | PK   | 5.149995G    | 54.15             | 74.00             | -19.85         | 2.74           | 3           | Horizontal | 162            | 1.50          | -        |
| 5240MHz                           | Pass   | PK   | 5.2448G      | 107.15            | Inf               | -Inf           | 2.85           | 3           | Horizontal | 162            | 1.50          | -        |
| 5240MHz                           | Pass   | PK   | 5.3876G      | 51.82             | 74.00             | -22.18         | 3.01           | 3           | Horizontal | 162            | 1.50          | -        |
| 5240MHz                           | Pass   | AV   | 10.47668G    | 37.94             | 54.00             | -16.06         | 12.89          | 3           | Vertical   | 226            | 1.63          | -        |
| 5240MHz                           | Pass   | PK   | 10.47654G    | 50.93             | 74.00             | -23.07         | 12.89          | 3           | Vertical   | 226            | 1.63          | -        |
| 5240MHz                           | Pass   | AV   | 10.47722G    | 37.91             | 54.00             | -16.09         | 12.89          | 3           | Horizontal | 127            | 2.18          | -        |
| 5240MHz                           | Pass   | PK   | 10.48098G    | 50.55             | 74.00             | -23.45         | 12.90          | 3           | Horizontal | 127            | 2.18          | -        |
| 5745MHz                           | Pass   | AV   | 5.7474G      | 106.41            | Inf               | -Inf           | 3.63           | 3           | Vertical   | 297            | 1.50          | -        |
| 5745MHz                           | Pass   | PK   | 5.6478G      | 54.79             | 68.20             | -13.41         | 3.44           | 3           | Vertical   | 297            | 1.50          | -        |
| 5745MHz                           | Pass   | PK   | 5.7462G      | 117.90            | Inf               | -Inf           | 3.63           | 3           | Vertical   | 297            | 1.50          | -        |
| 5745MHz                           | Pass   | PK   | 5.9538G      | 54.17             | 68.20             | -14.03         | 4.04           | 3           | Vertical   | 297            | 1.50          | -        |
| 5745MHz                           | Pass   | AV   | 5.7414G      | 96.63             | Inf               | -Inf           | 3.62           | 3           | Horizontal | 169            | 1.50          | -        |
| 5745MHz                           | Pass   | PK   | 5.6094G      | 53.50             | 68.20             | -14.70         | 3.36           | 3           | Horizontal | 169            | 1.50          | -        |
| 5745MHz                           | Pass   | PK   | 5.7426G      | 107.51            | Inf               | -Inf           | 3.62           | 3           | Horizontal | 169            | 1.50          | -        |



## RSE TX above 1GHz Result\_ Beamforming

## Appendix D.4

| Mode                              | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|-----------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 5745MHz                           | Pass   | PK   | 5.931G       | 53.78             | 68.20             | -14.42         | 3.99           | 3           | Horizontal | 169            | 1.50          | -        |
| 5745MHz                           | Pass   | AV   | 11.49134G    | 37.62             | 54.00             | -16.38         | 13.58          | 3           | Vertical   | 23             | 1.16          | -        |
| 5745MHz                           | Pass   | PK   | 11.48548G    | 50.45             | 74.00             | -23.55         | 13.58          | 3           | Vertical   | 23             | 1.16          | -        |
| 5745MHz                           | Pass   | AV   | 11.48768G    | 37.72             | 54.00             | -16.28         | 13.58          | 3           | Horizontal | 283            | 2.28          | -        |
| 5745MHz                           | Pass   | PK   | 11.48648G    | 50.35             | 74.00             | -23.65         | 13.58          | 3           | Horizontal | 283            | 2.28          | -        |
| 5785MHz                           | Pass   | AV   | 5.7802G      | 104.88            | Inf               | -Inf           | 3.69           | 3           | Vertical   | 359            | 1.25          | -        |
| 5785MHz                           | Pass   | PK   | 5.6374G      | 54.57             | 68.20             | -13.63         | 3.42           | 3           | Vertical   | 359            | 1.25          | -        |
| 5785MHz                           | Pass   | PK   | 5.7826G      | 115.64            | Inf               | -Inf           | 3.70           | 3           | Vertical   | 359            | 1.25          | -        |
| 5785MHz                           | Pass   | PK   | 5.929G       | 54.46             | 68.20             | -13.74         | 3.99           | 3           | Vertical   | 359            | 1.25          | -        |
| 5785MHz                           | Pass   | AV   | 5.7862G      | 95.44             | Inf               | -Inf           | 3.70           | 3           | Horizontal | 161            | 1.50          | -        |
| 5785MHz                           | Pass   | PK   | 5.5366G      | 53.54             | 68.20             | -14.66         | 3.22           | 3           | Horizontal | 161            | 1.50          | -        |
| 5785MHz                           | Pass   | PK   | 5.7814G      | 107.01            | Inf               | -Inf           | 3.69           | 3           | Horizontal | 161            | 1.50          | -        |
| 5785MHz                           | Pass   | PK   | 5.9638G      | 53.56             | 68.20             | -14.64         | 4.05           | 3           | Horizontal | 161            | 1.50          | -        |
| 5785MHz                           | Pass   | AV   | 11.56996G    | 37.44             | 54.00             | -16.56         | 13.51          | 3           | Vertical   | 198            | 1.59          | -        |
| 5785MHz                           | Pass   | PK   | 11.57042G    | 50.52             | 74.00             | -23.48         | 13.51          | 3           | Vertical   | 198            | 1.59          | -        |
| 5785MHz                           | Pass   | AV   | 11.56746G    | 37.56             | 54.00             | -16.44         | 13.51          | 3           | Horizontal | 345            | 2.49          | -        |
| 5785MHz                           | Pass   | PK   | 11.56794G    | 50.24             | 74.00             | -23.76         | 13.51          | 3           | Horizontal | 345            | 2.49          | -        |
| 5825MHz                           | Pass   | AV   | 5.8226G      | 103.17            | Inf               | -Inf           | 3.78           | 3           | Vertical   | 62             | 1.50          | -        |
| 5825MHz                           | Pass   | PK   | 5.6258G      | 54.38             | 68.20             | -13.82         | 3.40           | 3           | Vertical   | 62             | 1.50          | -        |
| 5825MHz                           | Pass   | PK   | 5.8262G      | 113.92            | Inf               | -Inf           | 3.78           | 3           | Vertical   | 62             | 1.50          | -        |
| 5825MHz                           | Pass   | PK   | 5.9858G      | 54.41             | 68.20             | -13.79         | 4.10           | 3           | Vertical   | 62             | 1.50          | -        |
| 5825MHz                           | Pass   | AV   | 5.8262G      | 96.24             | Inf               | -Inf           | 3.78           | 3           | Horizontal | 201            | 1.50          | -        |
| 5825MHz                           | Pass   | PK   | 5.6066G      | 53.00             | 68.20             | -15.20         | 3.35           | 3           | Horizontal | 201            | 1.50          | -        |
| 5825MHz                           | Pass   | PK   | 5.8262G      | 106.72            | Inf               | -Inf           | 3.78           | 3           | Horizontal | 201            | 1.50          | -        |
| 5825MHz                           | Pass   | PK   | 5.9726G      | 54.99             | 68.20             | -13.21         | 4.07           | 3           | Horizontal | 201            | 1.50          | -        |
| 5825MHz                           | Pass   | AV   | 11.6525G     | 37.40             | 54.00             | -16.60         | 13.43          | 3           | Vertical   | 276            | 2.49          | -        |
| 5825MHz                           | Pass   | PK   | 11.65136G    | 50.33             | 74.00             | -23.67         | 13.43          | 3           | Vertical   | 276            | 2.49          | -        |
| 5825MHz                           | Pass   | AV   | 11.64816G    | 37.43             | 54.00             | -16.57         | 13.43          | 3           | Horizontal | 315            | 1.47          | -        |
| 5825MHz                           | Pass   | PK   | 11.64962G    | 50.46             | 74.00             | -23.54         | 13.43          | 3           | Horizontal | 315            | 1.47          | -        |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5190MHz                           | Pass   | AV   | 5.149995G    | 50.43             | 54.00             | -3.57          | 2.74           | 3           | Vertical   | 318            | 1.50          | -        |
| 5190MHz                           | Pass   | AV   | 5.1852G      | 98.29             | Inf               | -Inf           | 2.78           | 3           | Vertical   | 318            | 1.50          | -        |
| 5190MHz                           | Pass   | PK   | 5.1464G      | 62.77             | 74.00             | -11.23         | 2.74           | 3           | Vertical   | 318            | 1.50          | -        |
| 5190MHz                           | Pass   | PK   | 5.1788G      | 110.37            | Inf               | -Inf           | 2.77           | 3           | Vertical   | 318            | 1.50          | -        |
| 5190MHz                           | Pass   | AV   | 5.1496G      | 43.75             | 54.00             | -10.25         | 2.74           | 3           | Horizontal | 208            | 1.50          | -        |
| 5190MHz                           | Pass   | AV   | 5.194G       | 91.04             | Inf               | -Inf           | 2.79           | 3           | Horizontal | 208            | 1.50          | -        |
| 5190MHz                           | Pass   | PK   | 5.1488G      | 55.90             | 74.00             | -18.10         | 2.74           | 3           | Horizontal | 208            | 1.50          | -        |
| 5190MHz                           | Pass   | PK   | 5.1872G      | 102.70            | Inf               | -Inf           | 2.78           | 3           | Horizontal | 208            | 1.50          | -        |
| 5190MHz                           | Pass   | AV   | 10.37598G    | 37.33             | 54.00             | -16.67         | 12.67          | 3           | Vertical   | 81             | 1.25          | -        |
| 5190MHz                           | Pass   | PK   | 10.39212G    | 50.45             | 74.00             | -23.55         | 12.70          | 3           | Vertical   | 81             | 1.25          | -        |
| 5190MHz                           | Pass   | AV   | 10.37752G    | 37.42             | 54.00             | -16.58         | 12.67          | 3           | Horizontal | 269            | 2.16          | -        |
| 5190MHz                           | Pass   | PK   | 10.37998G    | 50.78             | 74.00             | -23.22         | 12.68          | 3           | Horizontal | 269            | 2.16          | -        |
| 5230MHz                           | Pass   | AV   | 5.149995G    | 45.10             | 54.00             | -8.90          | 2.74           | 3           | Vertical   | 357            | 1.50          | -        |
| 5230MHz                           | Pass   | AV   | 5.232G       | 100.29            | Inf               | -Inf           | 2.84           | 3           | Vertical   | 357            | 1.50          | -        |
| 5230MHz                           | Pass   | PK   | 5.1488G      | 57.12             | 74.00             | -16.88         | 2.74           | 3           | Vertical   | 357            | 1.50          | -        |
| 5230MHz                           | Pass   | PK   | 5.2364G      | 111.27            | Inf               | -Inf           | 2.84           | 3           | Vertical   | 357            | 1.50          | -        |
| 5230MHz                           | Pass   | AV   | 5.149995G    | 42.27             | 54.00             | -11.73         | 2.74           | 3           | Horizontal | 209            | 1.50          | -        |
| 5230MHz                           | Pass   | AV   | 5.2324G      | 95.75             | Inf               | -Inf           | 2.84           | 3           | Horizontal | 209            | 1.50          | -        |
| 5230MHz                           | Pass   | PK   | 5.1492G      | 54.69             | 74.00             | -19.31         | 2.74           | 3           | Horizontal | 209            | 1.50          | -        |



## RSE TX above 1GHz Result\_ Beamforming

## Appendix D.4

| Mode                              | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|-----------------------------------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 5230MHz                           | Pass   | PK   | 5.2236G      | 107.26            | Inf               | -Inf           | 2.83           | 3           | Horizontal | 209            | 1.50          | -        |
| 5230MHz                           | Pass   | AV   | 10.46428G    | 37.52             | 54.00             | -16.48         | 12.86          | 3           | Vertical   | 95             | 1.92          | -        |
| 5230MHz                           | Pass   | PK   | 10.46356G    | 50.36             | 74.00             | -23.64         | 12.86          | 3           | Vertical   | 95             | 1.92          | -        |
| 5230MHz                           | Pass   | AV   | 10.4553G     | 37.48             | 54.00             | -16.52         | 12.84          | 3           | Horizontal | 40             | 1.01          | -        |
| 5230MHz                           | Pass   | PK   | 10.46414G    | 50.99             | 74.00             | -23.01         | 12.86          | 3           | Horizontal | 40             | 1.01          | -        |
| 5755MHz                           | Pass   | AV   | 5.7454G      | 103.76            | Inf               | -Inf           | 3.63           | 3           | Vertical   | 258            | 1.50          | -        |
| 5755MHz                           | Pass   | PK   | 5.635G       | 62.04             | 68.20             | -6.16          | 3.41           | 3           | Vertical   | 258            | 1.50          | -        |
| 5755MHz                           | Pass   | PK   | 5.7442G      | 115.51            | Inf               | -Inf           | 3.62           | 3           | Vertical   | 258            | 1.50          | -        |
| 5755MHz                           | Pass   | PK   | 5.9458G      | 54.43             | 68.20             | -13.77         | 4.02           | 3           | Vertical   | 258            | 1.50          | -        |
| 5755MHz                           | Pass   | AV   | 5.7466G      | 94.76             | Inf               | -Inf           | 3.63           | 3           | Horizontal | 164            | 1.50          | -        |
| 5755MHz                           | Pass   | PK   | 5.635G       | 55.46             | 68.20             | -12.74         | 3.41           | 3           | Horizontal | 164            | 1.50          | -        |
| 5755MHz                           | Pass   | PK   | 5.749G       | 106.29            | Inf               | -Inf           | 3.63           | 3           | Horizontal | 164            | 1.50          | -        |
| 5755MHz                           | Pass   | PK   | 5.9782G      | 54.40             | 68.20             | -13.80         | 4.08           | 3           | Horizontal | 164            | 1.50          | -        |
| 5755MHz                           | Pass   | AV   | 11.51204G    | 37.57             | 54.00             | -16.43         | 13.56          | 3           | Vertical   | 79             | 1.95          | -        |
| 5755MHz                           | Pass   | PK   | 11.51318G    | 49.57             | 74.00             | -24.43         | 13.56          | 3           | Vertical   | 79             | 1.95          | -        |
| 5755MHz                           | Pass   | AV   | 11.50612G    | 37.44             | 54.00             | -16.56         | 13.56          | 3           | Horizontal | 94             | 1.95          | -        |
| 5755MHz                           | Pass   | PK   | 11.51182G    | 50.29             | 74.00             | -23.71         | 13.56          | 3           | Horizontal | 94             | 1.95          | -        |
| 5795MHz                           | Pass   | AV   | 5.7902G      | 102.26            | Inf               | -Inf           | 3.71           | 3           | Vertical   | 159            | 1.50          | -        |
| 5795MHz                           | Pass   | PK   | 5.555G       | 58.47             | 68.20             | -9.73          | 3.25           | 3           | Vertical   | 159            | 1.50          | -        |
| 5795MHz                           | Pass   | PK   | 5.7974G      | 112.94            | Inf               | -Inf           | 3.73           | 3           | Vertical   | 159            | 1.50          | -        |
| 5795MHz                           | Pass   | PK   | 5.9258G      | 55.44             | 68.20             | -12.76         | 3.99           | 3           | Vertical   | 159            | 1.50          | -        |
| 5795MHz                           | Pass   | AV   | 5.7878G      | 90.38             | Inf               | -Inf           | 3.71           | 3           | Horizontal | 163            | 1.50          | -        |
| 5795MHz                           | Pass   | PK   | 5.555G       | 53.98             | 68.20             | -14.22         | 3.25           | 3           | Horizontal | 163            | 1.50          | -        |
| 5795MHz                           | Pass   | PK   | 5.8034G      | 101.10            | Inf               | -Inf           | 3.74           | 3           | Horizontal | 163            | 1.50          | -        |
| 5795MHz                           | Pass   | PK   | 5.9618G      | 54.14             | 68.20             | -14.06         | 4.05           | 3           | Horizontal | 163            | 1.50          | -        |
| 5795MHz                           | Pass   | AV   | 11.58786G    | 37.35             | 54.00             | -16.65         | 13.49          | 3           | Vertical   | 318            | 2.38          | -        |
| 5795MHz                           | Pass   | PK   | 11.58506G    | 50.88             | 74.00             | -23.12         | 13.49          | 3           | Vertical   | 318            | 2.38          | -        |
| 5795MHz                           | Pass   | AV   | 11.59336G    | 37.56             | 54.00             | -16.44         | 13.48          | 3           | Horizontal | 235            | 1.57          | -        |
| 5795MHz                           | Pass   | PK   | 11.5894G     | 50.40             | 74.00             | -23.60         | 13.49          | 3           | Horizontal | 235            | 1.57          | -        |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | -      | -    | -            | -                 | -                 | -              | -              | -           | -          | -              | -             | -        |
| 5210MHz                           | Pass   | AV   | 5.149995G    | 51.25             | 54.00             | -2.75          | 2.74           | 3           | Vertical   | 334            | 1.50          | -        |
| 5210MHz                           | Pass   | AV   | 5.208G       | 95.63             | Inf               | -Inf           | 2.81           | 3           | Vertical   | 334            | 1.50          | -        |
| 5210MHz                           | Pass   | AV   | 5.37G        | 41.43             | 54.00             | -12.57         | 2.99           | 3           | Vertical   | 334            | 1.50          | -        |
| 5210MHz                           | Pass   | PK   | 5.147G       | 63.19             | 74.00             | -10.81         | 2.74           | 3           | Vertical   | 334            | 1.50          | -        |
| 5210MHz                           | Pass   | PK   | 5.225G       | 106.61            | Inf               | -Inf           | 2.83           | 3           | Vertical   | 334            | 1.50          | -        |
| 5210MHz                           | Pass   | PK   | 5.456G       | 53.94             | 74.00             | -20.06         | 3.09           | 3           | Vertical   | 334            | 1.50          | -        |
| 5210MHz                           | Pass   | AV   | 5.149G       | 42.63             | 54.00             | -11.37         | 2.74           | 3           | Horizontal | 154            | 1.50          | -        |
| 5210MHz                           | Pass   | AV   | 5.204G       | 87.62             | Inf               | -Inf           | 2.80           | 3           | Horizontal | 154            | 1.50          | -        |
| 5210MHz                           | Pass   | AV   | 5.395G       | 40.38             | 54.00             | -13.62         | 3.03           | 3           | Horizontal | 154            | 1.50          | -        |
| 5210MHz                           | Pass   | PK   | 5.033G       | 54.18             | 74.00             | -19.82         | 2.60           | 3           | Horizontal | 154            | 1.50          | -        |
| 5210MHz                           | Pass   | PK   | 5.213G       | 98.71             | Inf               | -Inf           | 2.81           | 3           | Horizontal | 154            | 1.50          | -        |
| 5210MHz                           | Pass   | PK   | 5.378G       | 51.99             | 74.00             | -22.01         | 3.00           | 3           | Horizontal | 154            | 1.50          | -        |
| 5210MHz                           | Pass   | AV   | 10.42354G    | 37.44             | 54.00             | -16.56         | 12.77          | 3           | Vertical   | 84             | 1.74          | -        |
| 5210MHz                           | Pass   | PK   | 10.41934G    | 49.77             | 74.00             | -24.23         | 12.76          | 3           | Vertical   | 84             | 1.74          | -        |
| 5210MHz                           | Pass   | AV   | 10.42018G    | 37.40             | 54.00             | -16.60         | 12.77          | 3           | Horizontal | 90             | 1.22          | -        |
| 5210MHz                           | Pass   | PK   | 10.42206G    | 50.22             | 74.00             | -23.78         | 12.77          | 3           | Horizontal | 90             | 1.22          | -        |
| 5775MHz                           | Pass   | AV   | 5.7726G      | 96.42             | Inf               | -Inf           | 3.68           | 3           | Vertical   | 319            | 1.50          | -        |
| 5775MHz                           | Pass   | PK   | 5.6154G      | 60.65             | 68.20             | -7.55          | 3.37           | 3           | Vertical   | 319            | 1.50          | -        |
| 5775MHz                           | Pass   | PK   | 5.7774G      | 107.47            | Inf               | -Inf           | 3.69           | 3           | Vertical   | 319            | 1.50          | -        |



## RSE TX above 1GHz Result\_ Beamforming

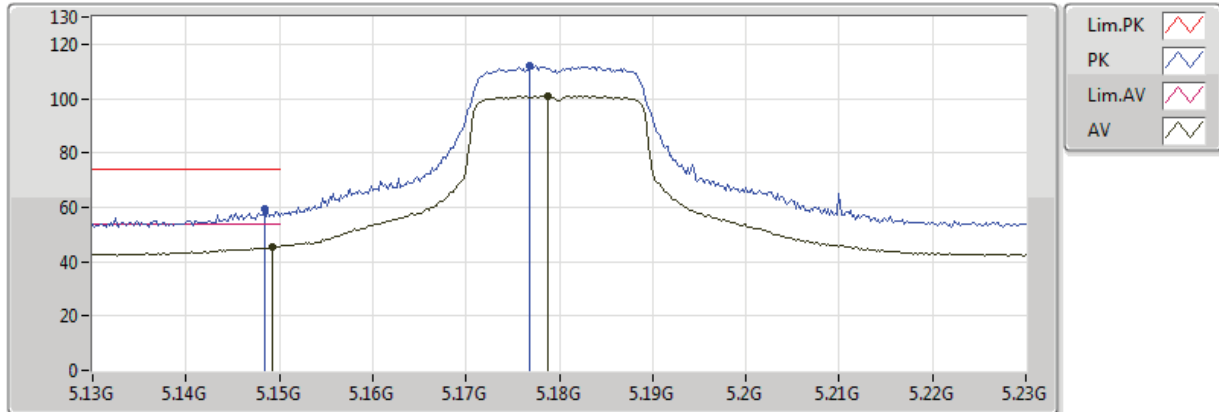
## Appendix D.4

| Mode    | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|---------|--------|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| 5775MHz | Pass   | PK   | 5.9742G      | 54.21             | 68.20             | -13.99         | 4.07           | 3           | Vertical   | 319            | 1.50          | -        |
| 5775MHz | Pass   | AV   | 5.7642G      | 85.77             | Inf               | -Inf           | 3.66           | 3           | Horizontal | 160            | 1.50          | -        |
| 5775MHz | Pass   | PK   | 5.6298G      | 53.48             | 68.20             | -14.72         | 3.40           | 3           | Horizontal | 160            | 1.50          | -        |
| 5775MHz | Pass   | PK   | 5.7834G      | 96.75             | Inf               | -Inf           | 3.70           | 3           | Horizontal | 160            | 1.50          | -        |
| 5775MHz | Pass   | PK   | 5.9262G      | 53.96             | 68.20             | -14.24         | 3.99           | 3           | Horizontal | 160            | 1.50          | -        |
| 5775MHz | Pass   | AV   | 11.5466G     | 37.31             | 54.00             | -16.69         | 13.53          | 3           | Vertical   | 344            | 2.13          | -        |
| 5775MHz | Pass   | PK   | 11.54884G    | 49.94             | 74.00             | -24.06         | 13.53          | 3           | Vertical   | 344            | 2.13          | -        |
| 5775MHz | Pass   | AV   | 11.55464G    | 38.33             | 54.00             | -15.67         | 13.52          | 3           | Horizontal | 8              | 1.73          | -        |
| 5775MHz | Pass   | PK   | 11.55168G    | 49.69             | 74.00             | -24.31         | 13.52          | 3           | Horizontal | 8              | 1.73          | -        |

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

## 5180MHz\_TX

18/08/2018



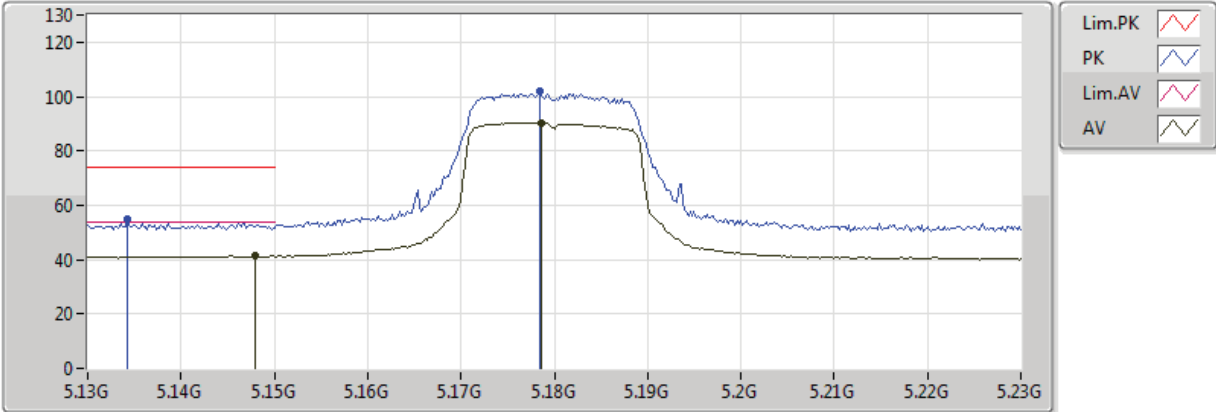
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.1492G      | 45.49             | 54.00             | -8.51          | 2.74           | 3           | Vertical  | 331            | 1.50          | -        |
| AV   | 5.1788G      | 100.83            | Inf               | -Inf           | 2.77           | 3           | Vertical  | 331            | 1.50          | -        |
| PK   | 5.1484G      | 59.30             | 74.00             | -14.70         | 2.74           | 3           | Vertical  | 331            | 1.50          | -        |
| PK   | 5.1768G      | 111.84            | Inf               | -Inf           | 2.77           | 3           | Vertical  | 331            | 1.50          | -        |



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

## 5180MHz\_TX

18/08/2018

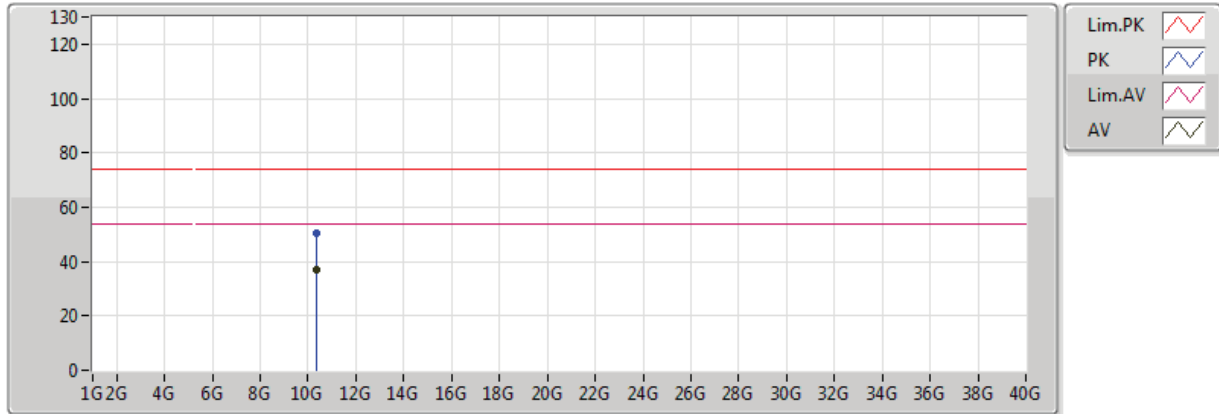


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.148G       | 41.40             | 54.00             | -12.60         | 2.74           | 3           | Horizontal | 49             | 1.50          | -        |
| AV   | 5.1786G      | 90.44             | Inf               | -Inf           | 2.77           | 3           | Horizontal | 49             | 1.50          | -        |
| PK   | 5.1342G      | 55.13             | 74.00             | -18.87         | 2.72           | 3           | Horizontal | 49             | 1.50          | -        |
| PK   | 5.1784G      | 101.71            | Inf               | -Inf           | 2.77           | 3           | Horizontal | 49             | 1.50          | -        |

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

## 5180MHz\_TX

18/08/2018

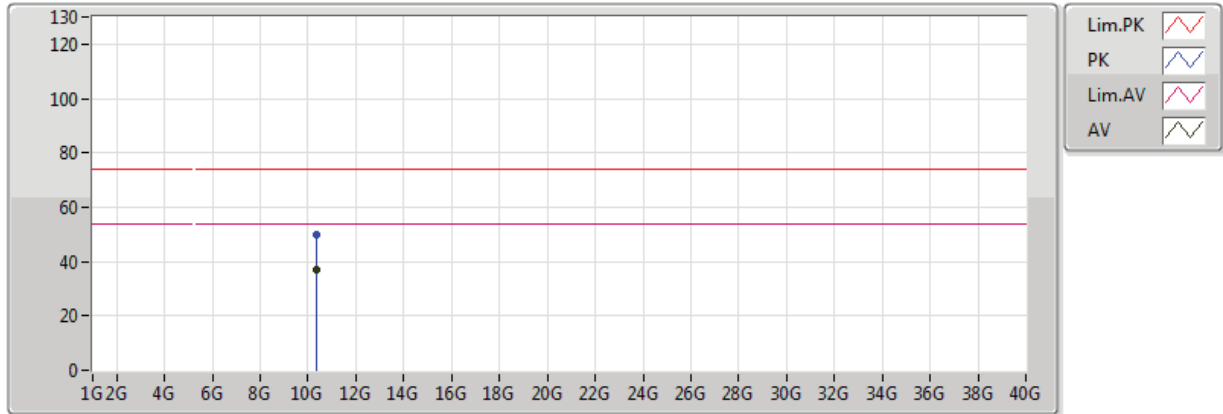


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 10.3643G     | 37.12             | 54.00             | -16.88         | 12.64          | 3           | Vertical  | 157            | 1.96          | -        |
| PK   | 10.36464G    | 50.19             | 74.00             | -23.81         | 12.64          | 3           | Vertical  | 157            | 1.96          | -        |

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

## 5180MHz\_TX

18/08/2018

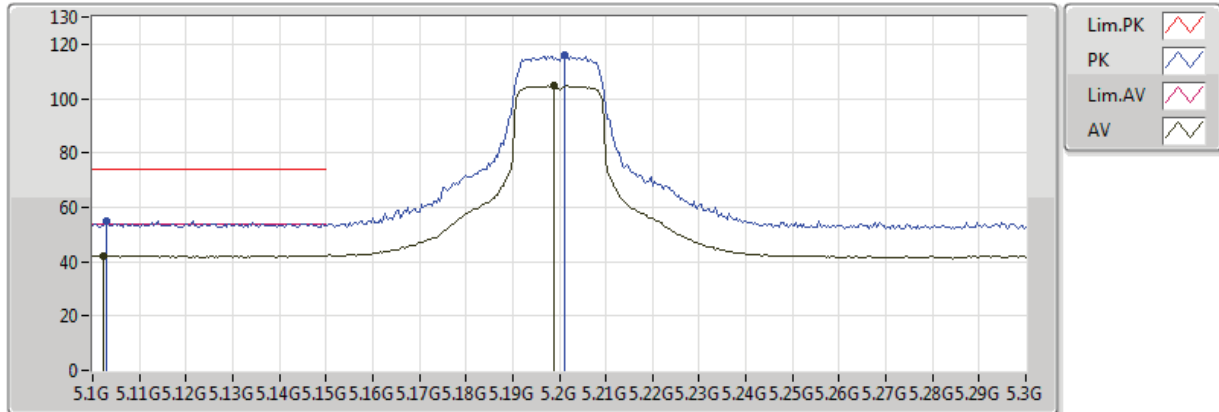


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.36374G    | 37.15             | 54.00             | -16.85         | 12.64          | 3           | Horizontal | 107            | 1.43          | -        |
| PK   | 10.35636G    | 50.06             | 74.00             | -23.94         | 12.63          | 3           | Horizontal | 107            | 1.43          | -        |

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

## 5200MHz\_TX

17/08/2018

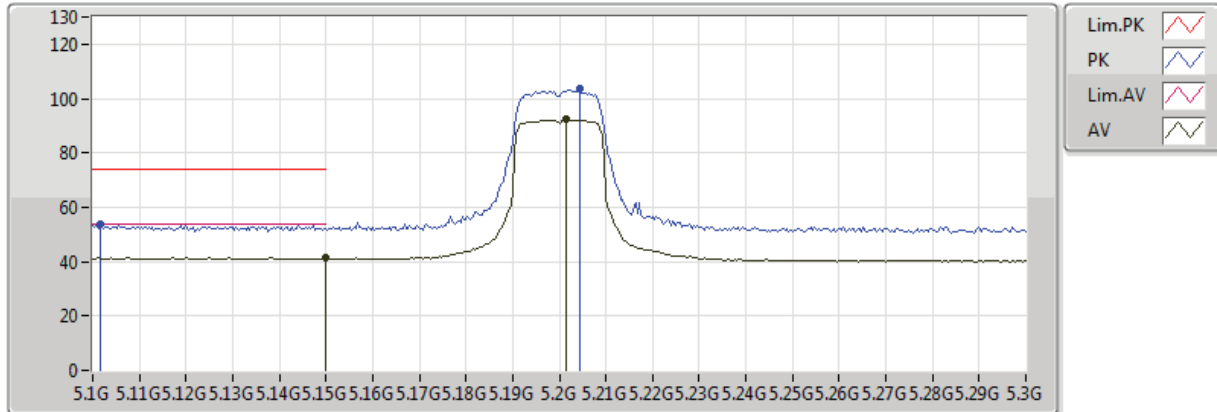


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.1024G      | 42.18             | 54.00             | -11.82         | 2.68           | 3           | Vertical  | 158            | 1.50          | -        |
| AV   | 5.1988G      | 104.67            | Inf               | -Inf           | 2.80           | 3           | Vertical  | 158            | 1.50          | -        |
| PK   | 5.1028G      | 55.12             | 74.00             | -18.88         | 2.68           | 3           | Vertical  | 158            | 1.50          | -        |
| PK   | 5.2012G      | 115.76            | Inf               | -Inf           | 2.80           | 3           | Vertical  | 158            | 1.50          | -        |

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

## 5200MHz\_TX

17/08/2018

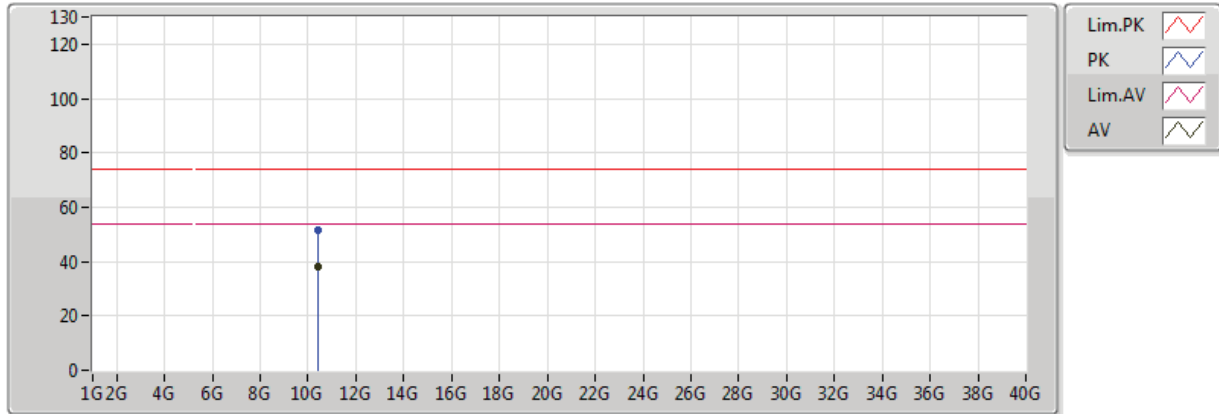


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.149995G    | 41.54             | 54.00             | -12.46         | 2.74           | 3           | Horizontal | 10             | 2.93          | -        |
| AV   | 5.2016G      | 92.40             | Inf               | -Inf           | 2.80           | 3           | Horizontal | 10             | 2.93          | -        |
| PK   | 5.1016G      | 53.97             | 74.00             | -20.03         | 2.68           | 3           | Horizontal | 10             | 2.93          | -        |
| PK   | 5.2044G      | 103.80            | Inf               | -Inf           | 2.80           | 3           | Horizontal | 10             | 2.93          | -        |

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

## 5200MHz\_TX

17/08/2018

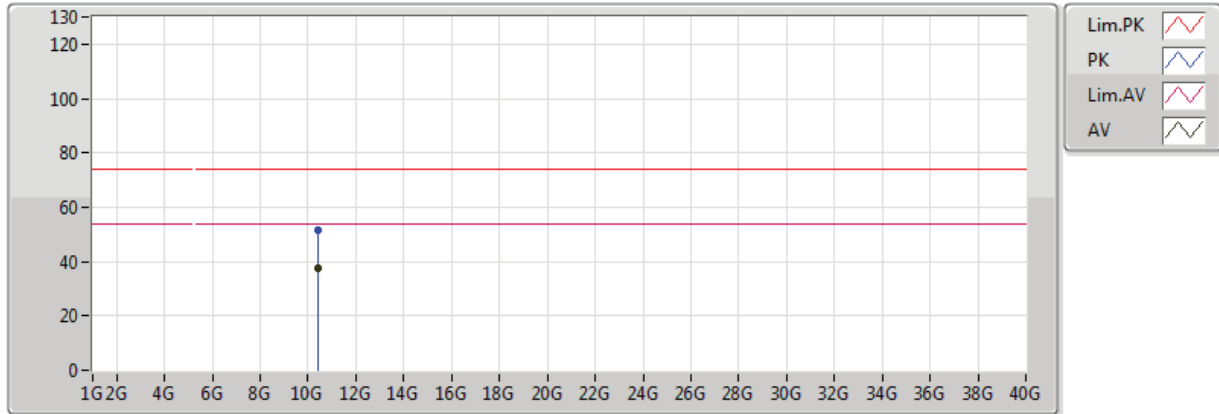


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 10.39966G    | 37.90             | 54.00             | -16.10         | 12.72          | 3           | Vertical  | 2              | 2.73          | -        |
| PK   | 10.40346G    | 51.42             | 74.00             | -22.58         | 12.73          | 3           | Vertical  | 2              | 2.73          | -        |

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

## 5200MHz\_TX

17/08/2018

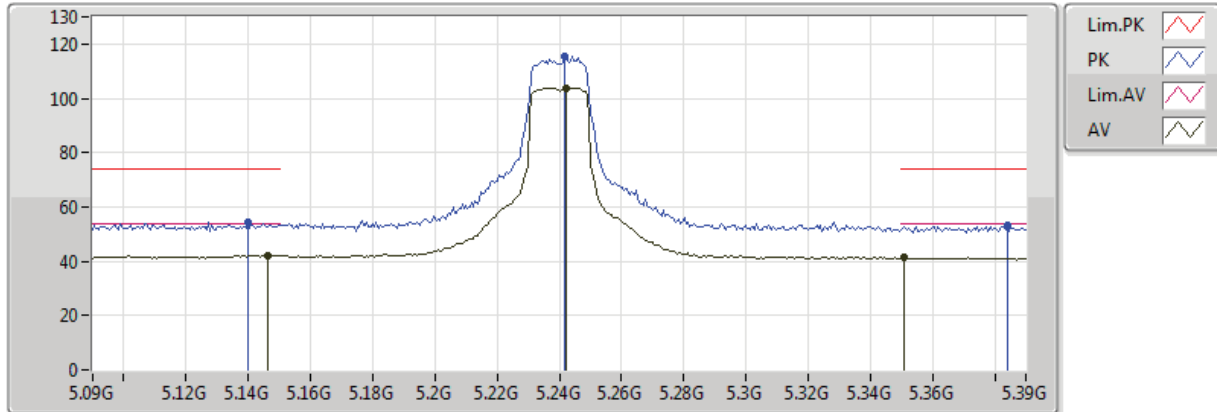


| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|----------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          |
| AV   | 10.39634G | 37.81    | 54.00    | -16.19 | 12.71  | 3    | Horizontal | 58      | 1.03   | -        |
| PK   | 10.40462G | 51.42    | 74.00    | -22.58 | 12.73  | 3    | Horizontal | 58      | 1.03   | -        |

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

## 5240MHz\_TX

17/08/2018



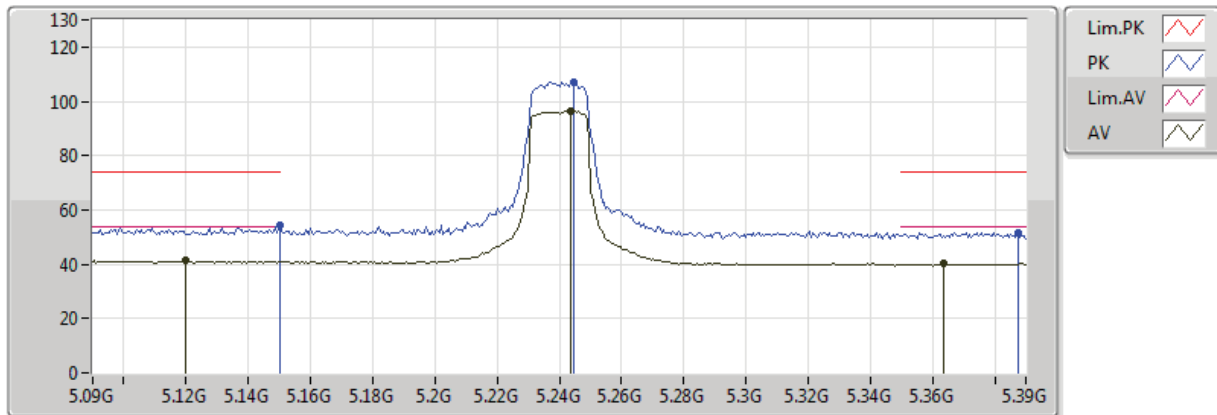
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.1464G      | 42.30             | 54.00             | -11.70         | 2.74           | 3           | Vertical  | 310            | 1.49          | -        |
| AV   | 5.2424G      | 103.79            | Inf               | -Inf           | 2.85           | 3           | Vertical  | 310            | 1.49          | -        |
| AV   | 5.351G       | 41.22             | 54.00             | -12.78         | 2.97           | 3           | Vertical  | 310            | 1.49          | -        |
| PK   | 5.1398G      | 54.51             | 74.00             | -19.49         | 2.73           | 3           | Vertical  | 310            | 1.49          | -        |
| PK   | 5.2418G      | 115.48            | Inf               | -Inf           | 2.85           | 3           | Vertical  | 310            | 1.49          | -        |
| PK   | 5.384G       | 53.11             | 74.00             | -20.89         | 3.01           | 3           | Vertical  | 310            | 1.49          | -        |



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

## 5240MHz\_TX

17/08/2018

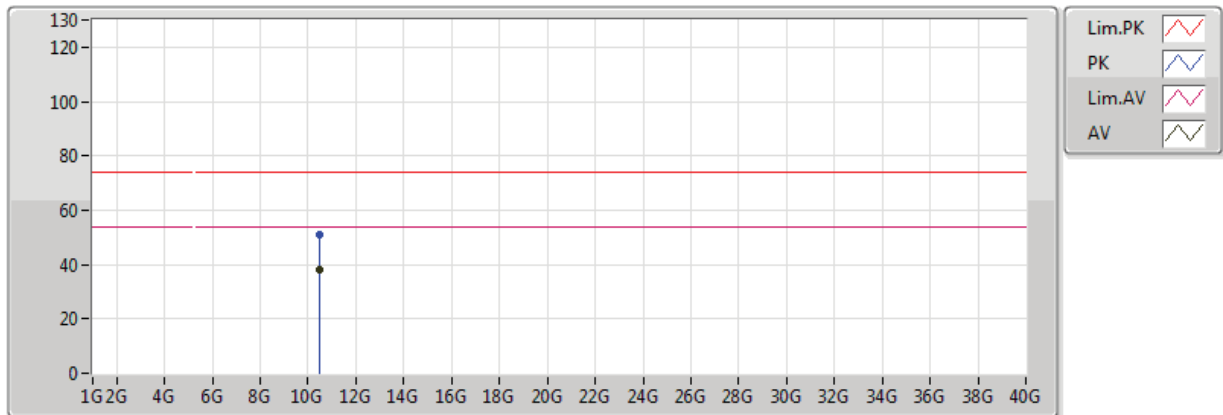


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.12G        | 41.25             | 54.00             | -12.75         | 2.70           | 3           | Horizontal | 162            | 1.50          | -        |
| AV   | 5.2436G      | 96.45             | Inf               | -Inf           | 2.85           | 3           | Horizontal | 162            | 1.50          | -        |
| AV   | 5.3636G      | 40.20             | 54.00             | -13.80         | 2.98           | 3           | Horizontal | 162            | 1.50          | -        |
| PK   | 5.149995G    | 54.15             | 74.00             | -19.85         | 2.74           | 3           | Horizontal | 162            | 1.50          | -        |
| PK   | 5.2448G      | 107.15            | Inf               | -Inf           | 2.85           | 3           | Horizontal | 162            | 1.50          | -        |
| PK   | 5.3876G      | 51.82             | 74.00             | -22.18         | 3.01           | 3           | Horizontal | 162            | 1.50          | -        |

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

## 5240MHz\_TX

17/08/2018

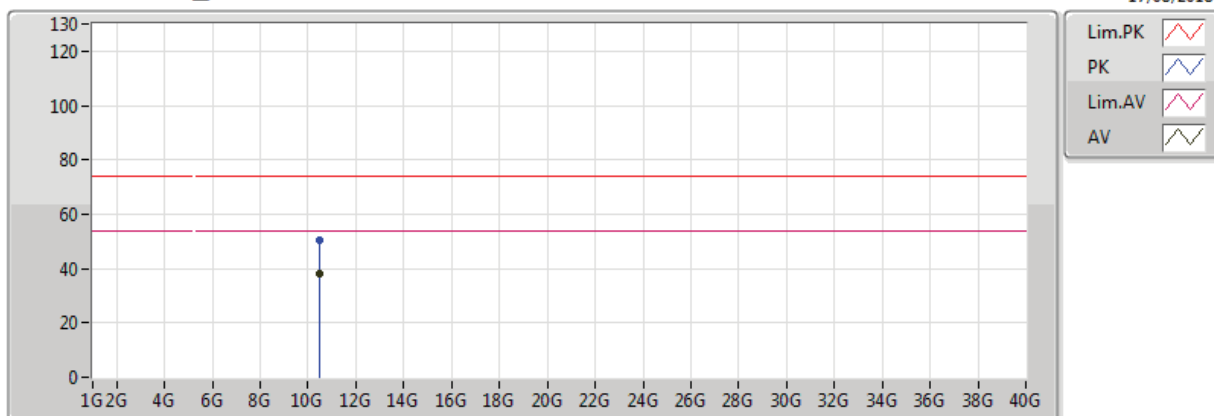


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 10.47668G    | 37.94             | 54.00             | -16.06         | 12.89          | 3           | Vertical  | 226            | 1.63          | -        |
| PK   | 10.47654G    | 50.93             | 74.00             | -23.07         | 12.89          | 3           | Vertical  | 226            | 1.63          | -        |

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

## 5240MHz\_TX

17/08/2018

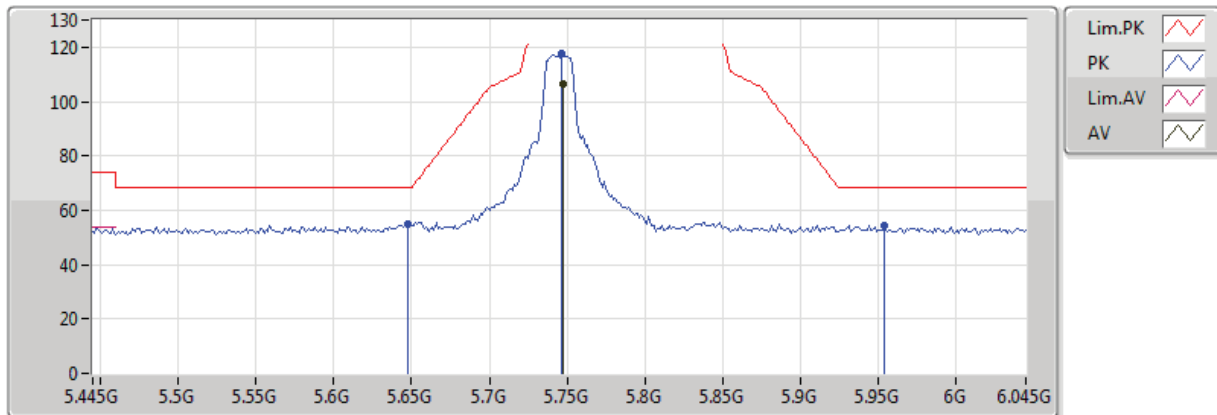


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.47722G    | 37.91             | 54.00             | -16.09         | 12.89          | 3           | Horizontal | 127            | 2.18          | -        |
| PK   | 10.48098G    | 50.55             | 74.00             | -23.45         | 12.90          | 3           | Horizontal | 127            | 2.18          | -        |

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

## 5745MHz\_TX

18/08/2018

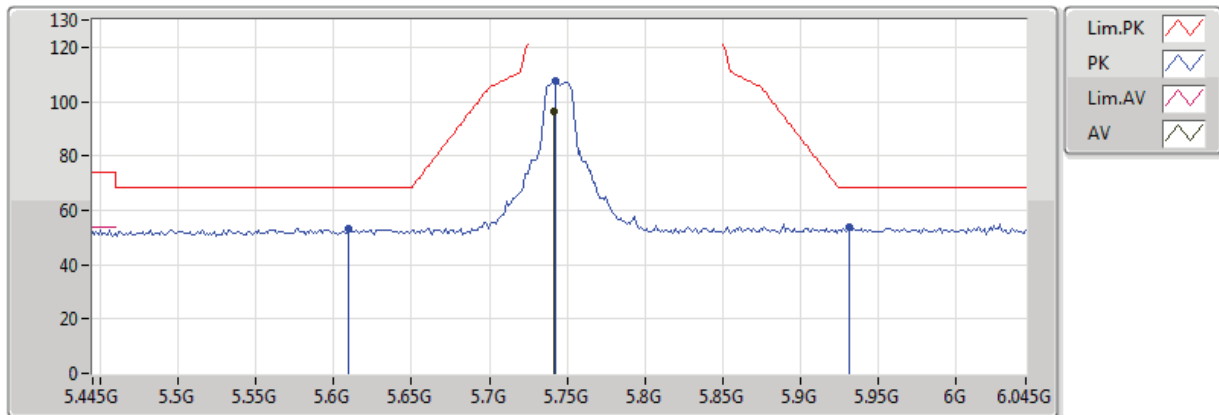


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7474G      | 106.41            | Inf               | -Inf           | 3.63           | 3           | Vertical  | 297            | 1.50          | -        |
| PK   | 5.6478G      | 54.79             | 68.20             | -13.41         | 3.44           | 3           | Vertical  | 297            | 1.50          | -        |
| PK   | 5.7462G      | 117.90            | Inf               | -Inf           | 3.63           | 3           | Vertical  | 297            | 1.50          | -        |
| PK   | 5.9538G      | 54.17             | 68.20             | -14.03         | 4.04           | 3           | Vertical  | 297            | 1.50          | -        |

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

## 5745MHz\_TX

18/08/2018

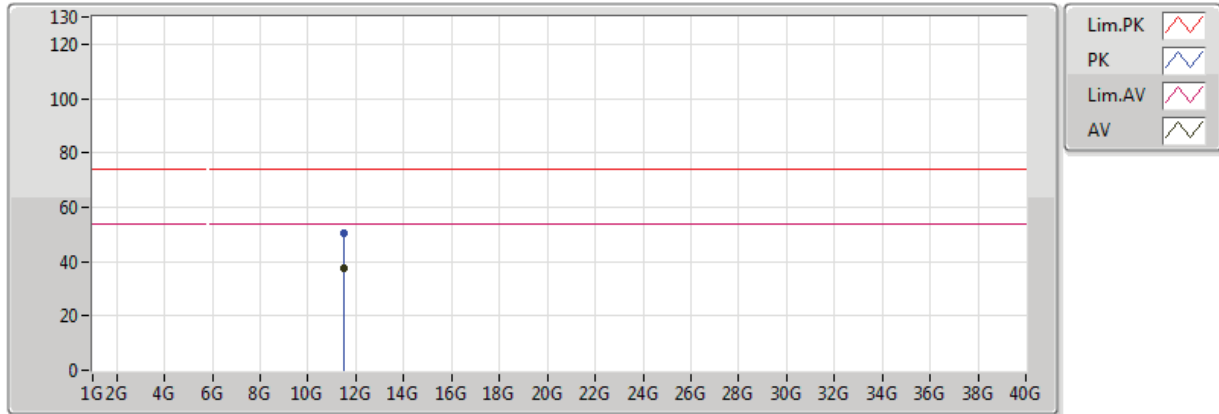


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.7414G      | 96.63             | Inf               | -Inf           | 3.62           | 3           | Horizontal | 169            | 1.50          | -        |
| PK   | 5.6094G      | 53.50             | 68.20             | -14.70         | 3.36           | 3           | Horizontal | 169            | 1.50          | -        |
| PK   | 5.7426G      | 107.51            | Inf               | -Inf           | 3.62           | 3           | Horizontal | 169            | 1.50          | -        |
| PK   | 5.931G       | 53.78             | 68.20             | -14.42         | 3.99           | 3           | Horizontal | 169            | 1.50          | -        |

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

## 5745MHz\_TX

18/08/2018

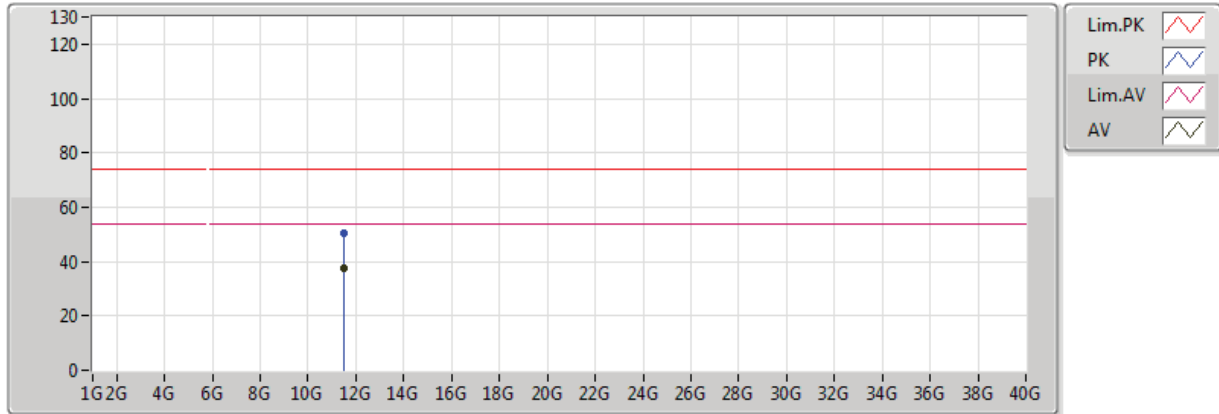


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.49134G    | 37.62             | 54.00             | -16.38         | 13.58          | 3           | Vertical  | 23             | 1.16          | -        |
| PK   | 11.48548G    | 50.45             | 74.00             | -23.55         | 13.58          | 3           | Vertical  | 23             | 1.16          | -        |

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

## 5745MHz\_TX

18/08/2018

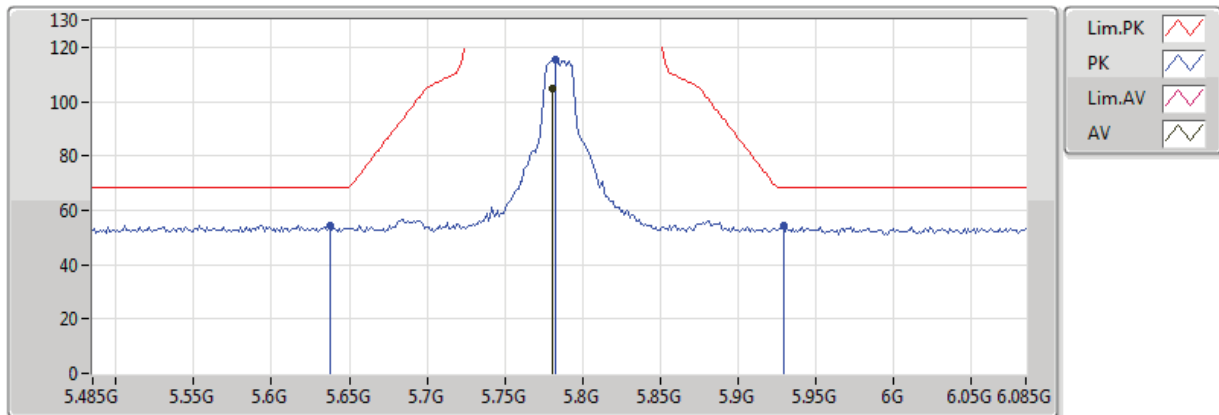


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.48768G    | 37.72             | 54.00             | -16.28         | 13.58          | 3           | Horizontal | 283            | 2.28          | -        |
| PK   | 11.48648G    | 50.35             | 74.00             | -23.65         | 13.58          | 3           | Horizontal | 283            | 2.28          | -        |

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

## 5785MHz\_TX

18/08/2018



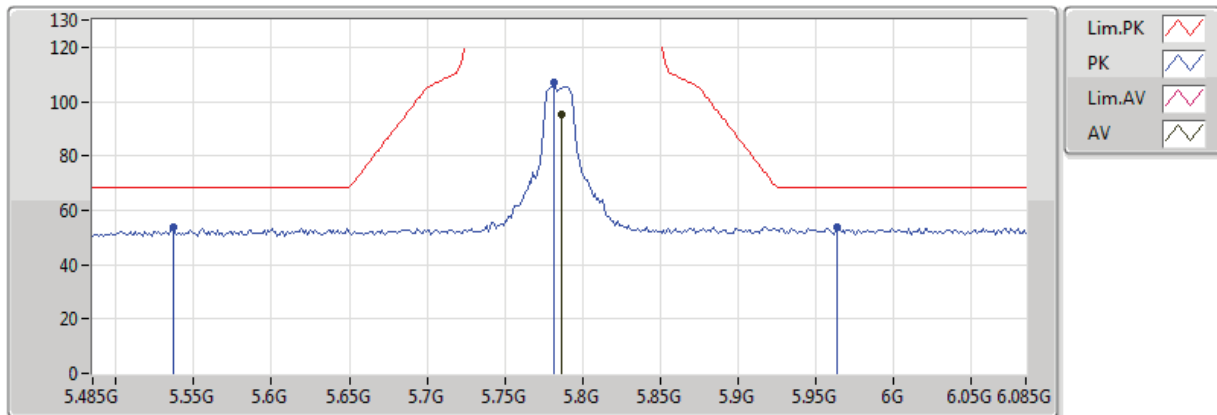
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7802G      | 104.88            | Inf               | -Inf           | 3.69           | 3           | Vertical  | 359            | 1.25          | -        |
| PK   | 5.6374G      | 54.57             | 68.20             | -13.63         | 3.42           | 3           | Vertical  | 359            | 1.25          | -        |
| PK   | 5.7826G      | 115.64            | Inf               | -Inf           | 3.70           | 3           | Vertical  | 359            | 1.25          | -        |
| PK   | 5.929G       | 54.46             | 68.20             | -13.74         | 3.99           | 3           | Vertical  | 359            | 1.25          | -        |



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

## 5785MHz\_TX

18/08/2018

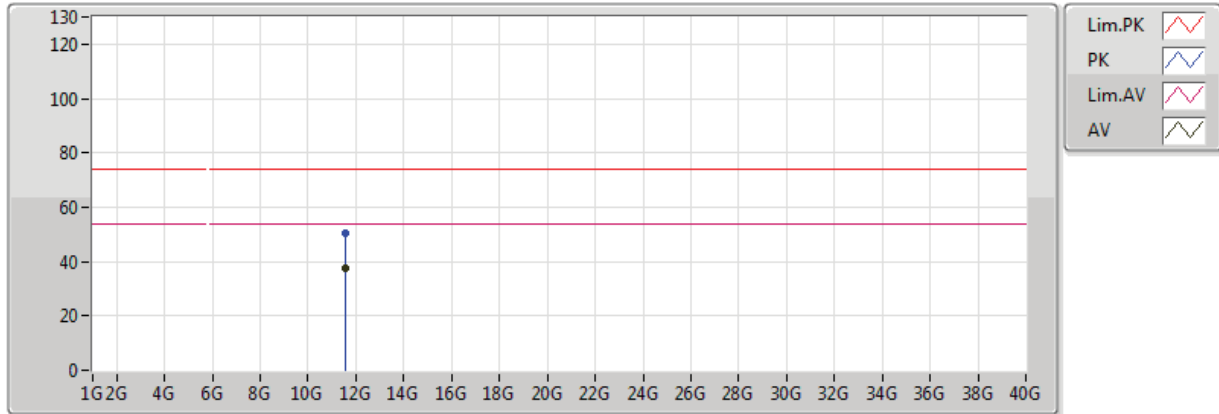


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.7862G      | 95.44             | Inf               | -Inf           | 3.70           | 3           | Horizontal | 161            | 1.50          | -        |
| PK   | 5.5366G      | 53.54             | 68.20             | -14.66         | 3.22           | 3           | Horizontal | 161            | 1.50          | -        |
| PK   | 5.7814G      | 107.01            | Inf               | -Inf           | 3.69           | 3           | Horizontal | 161            | 1.50          | -        |
| PK   | 5.9638G      | 53.56             | 68.20             | -14.64         | 4.05           | 3           | Horizontal | 161            | 1.50          | -        |

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

## 5785MHz\_TX

18/08/2018

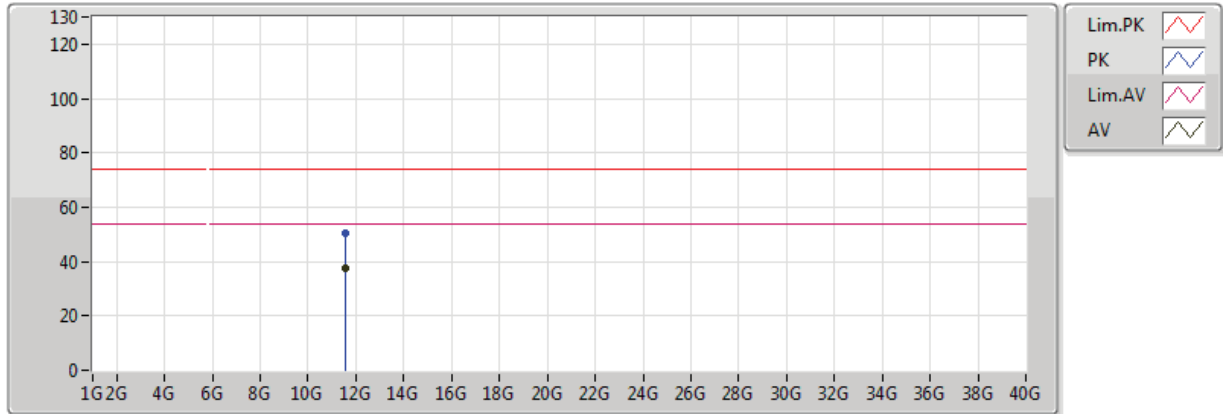


| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comments |
|------|-----------|----------|----------|--------|--------|------|-----------|---------|--------|----------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |          |
| AV   | 11.56996G | 37.44    | 54.00    | -16.56 | 13.51  | 3    | Vertical  | 198     | 1.59   | -        |
| PK   | 11.57042G | 50.52    | 74.00    | -23.48 | 13.51  | 3    | Vertical  | 198     | 1.59   | -        |

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

## 5785MHz\_TX

18/08/2018

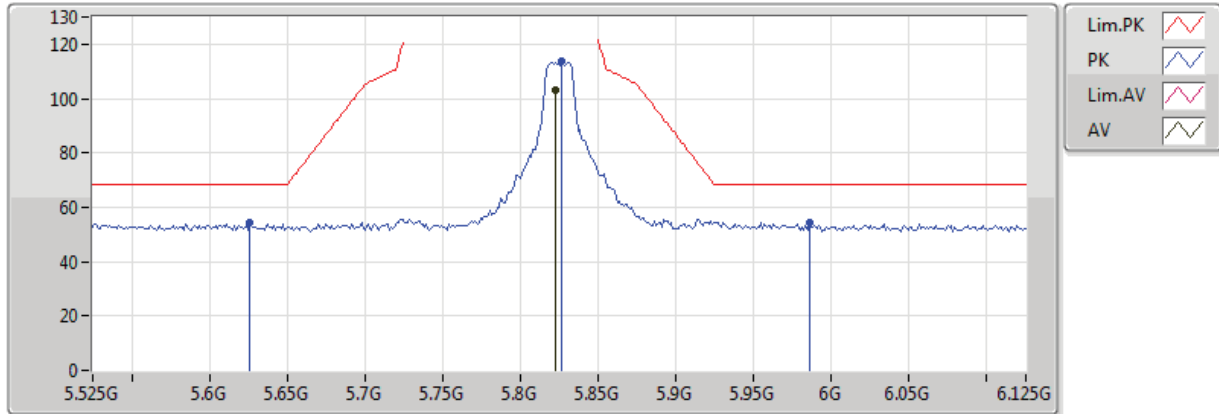


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.56746G    | 37.56             | 54.00             | -16.44         | 13.51          | 3           | Horizontal | 345            | 2.49          | -        |
| PK   | 11.56794G    | 50.24             | 74.00             | -23.76         | 13.51          | 3           | Horizontal | 345            | 2.49          | -        |

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

## 5825MHz\_TX

18/08/2018

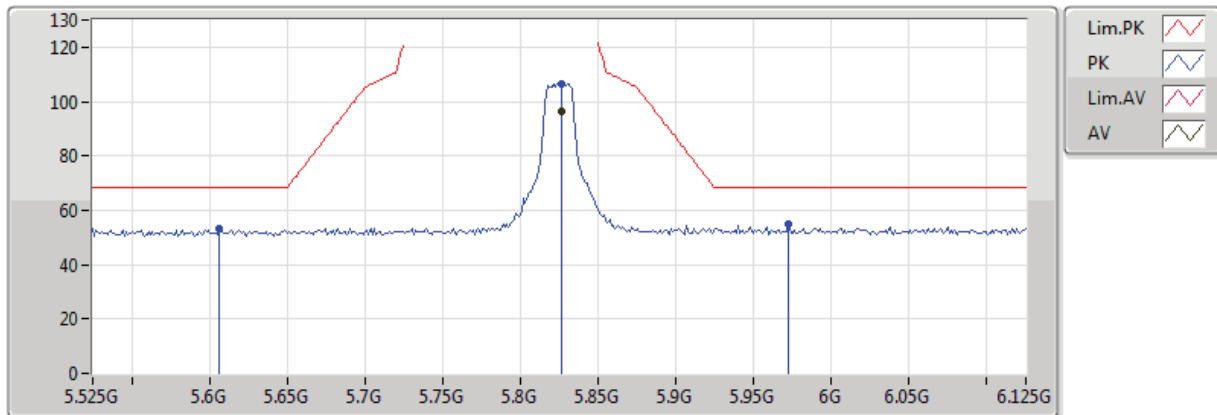


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.8226G      | 103.17            | Inf               | -Inf           | 3.78           | 3           | Vertical  | 62             | 1.50          | -        |
| PK   | 5.6258G      | 54.38             | 68.20             | -13.82         | 3.40           | 3           | Vertical  | 62             | 1.50          | -        |
| PK   | 5.8262G      | 113.92            | Inf               | -Inf           | 3.78           | 3           | Vertical  | 62             | 1.50          | -        |
| PK   | 5.9858G      | 54.41             | 68.20             | -13.79         | 4.10           | 3           | Vertical  | 62             | 1.50          | -        |

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

## 5825MHz\_TX

18/08/2018

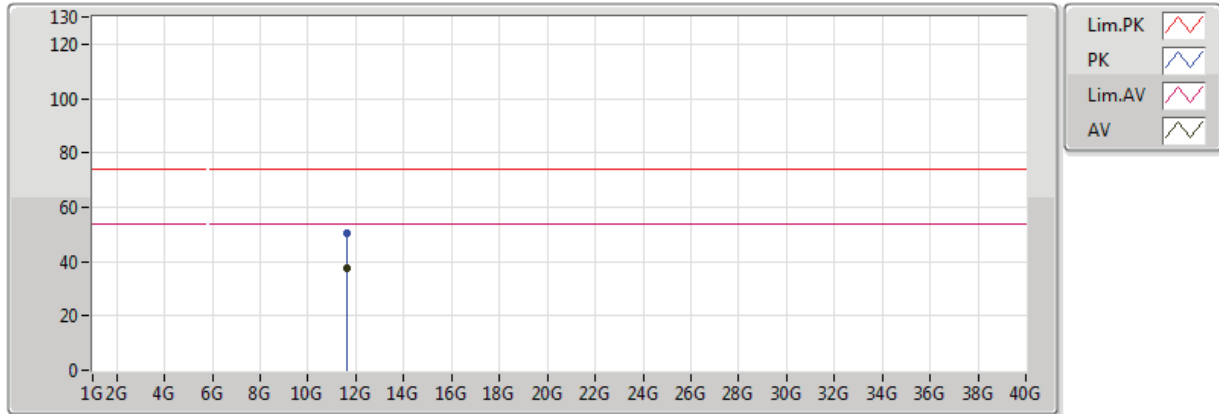


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.8262G      | 96.24             | Inf               | -Inf           | 3.78           | 3           | Horizontal | 201            | 1.50          | -        |
| PK   | 5.6066G      | 53.00             | 68.20             | -15.20         | 3.35           | 3           | Horizontal | 201            | 1.50          | -        |
| PK   | 5.8262G      | 106.72            | Inf               | -Inf           | 3.78           | 3           | Horizontal | 201            | 1.50          | -        |
| PK   | 5.9726G      | 54.99             | 68.20             | -13.21         | 4.07           | 3           | Horizontal | 201            | 1.50          | -        |

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

## 5825MHz\_TX

18/08/2018

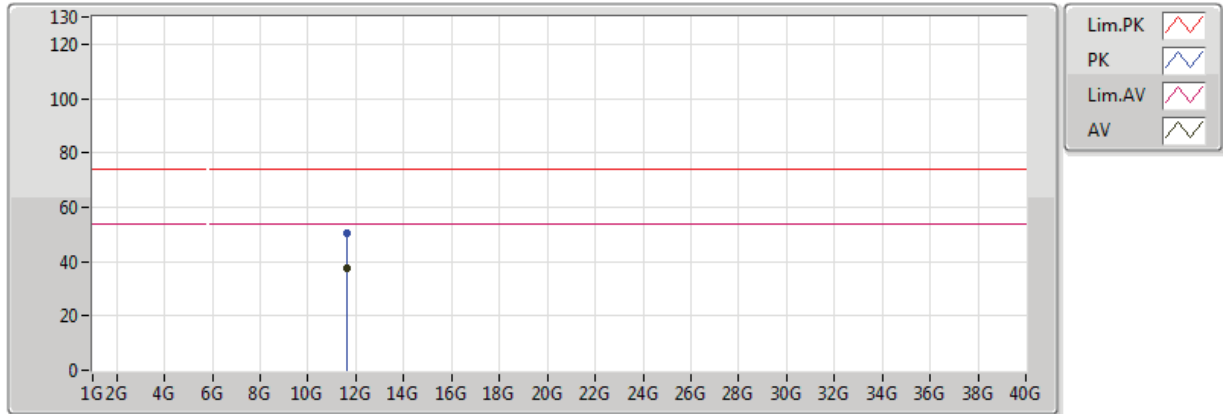


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.6525G     | 37.40             | 54.00             | -16.60         | 13.43          | 3           | Vertical  | 276            | 2.49          | -        |
| PK   | 11.65136G    | 50.33             | 74.00             | -23.67         | 13.43          | 3           | Vertical  | 276            | 2.49          | -        |

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

## 5825MHz\_TX

18/08/2018

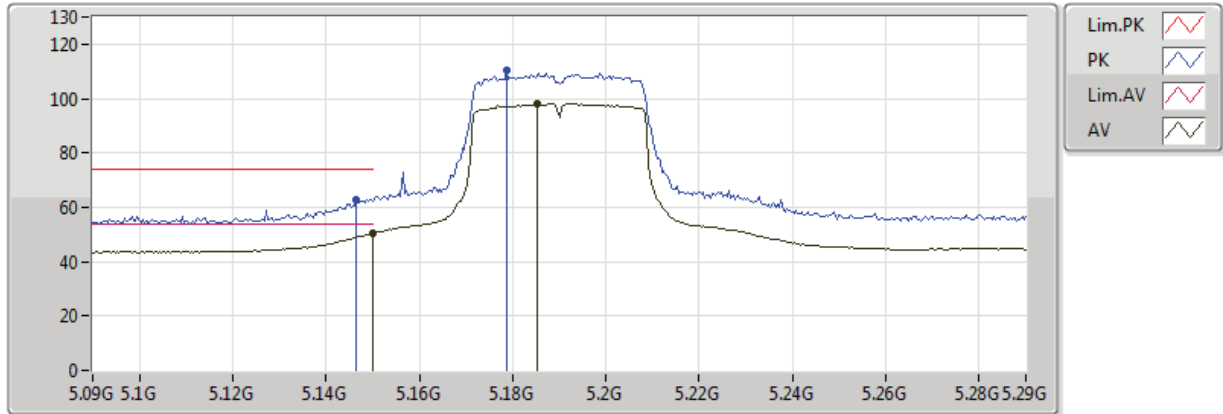


| Type | Freq      | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comments |
|------|-----------|----------|----------|--------|--------|------|------------|---------|--------|----------|
|      | (Hz)      | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |          |
| AV   | 11.64816G | 37.43    | 54.00    | -16.57 | 13.43  | 3    | Horizontal | 315     | 1.47   | -        |
| PK   | 11.64962G | 50.46    | 74.00    | -23.54 | 13.43  | 3    | Horizontal | 315     | 1.47   | -        |

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

## 5190MHz\_TX

18/08/2018



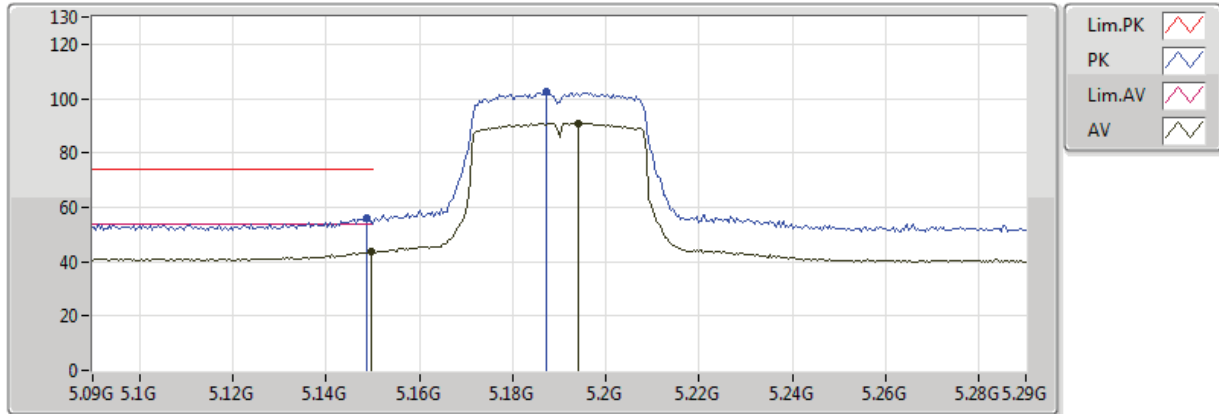
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 50.43             | 54.00             | -3.57          | 2.74           | 3           | Vertical  | 318            | 1.50          | -        |
| AV   | 5.1852G      | 98.29             | Inf               | -Inf           | 2.78           | 3           | Vertical  | 318            | 1.50          | -        |
| PK   | 5.1464G      | 62.77             | 74.00             | -11.23         | 2.74           | 3           | Vertical  | 318            | 1.50          | -        |
| PK   | 5.1788G      | 110.37            | Inf               | -Inf           | 2.77           | 3           | Vertical  | 318            | 1.50          | -        |



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

## 5190MHz\_TX

18/08/2018

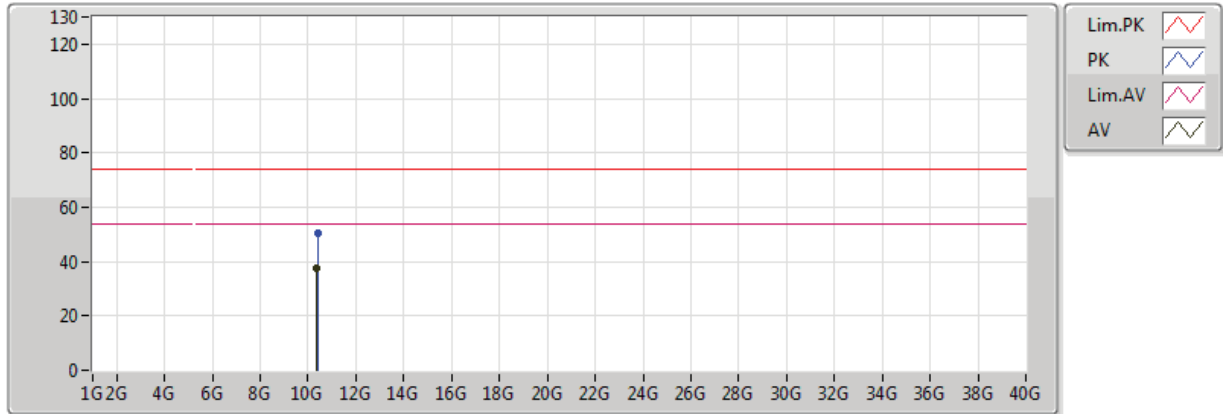


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.1496G      | 43.75             | 54.00             | -10.25         | 2.74           | 3           | Horizontal | 208            | 1.50          | -        |
| AV   | 5.194G       | 91.04             | Inf               | -Inf           | 2.79           | 3           | Horizontal | 208            | 1.50          | -        |
| PK   | 5.1488G      | 55.90             | 74.00             | -18.10         | 2.74           | 3           | Horizontal | 208            | 1.50          | -        |
| PK   | 5.1872G      | 102.70            | Inf               | -Inf           | 2.78           | 3           | Horizontal | 208            | 1.50          | -        |

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

## 5190MHz\_TX

18/08/2018

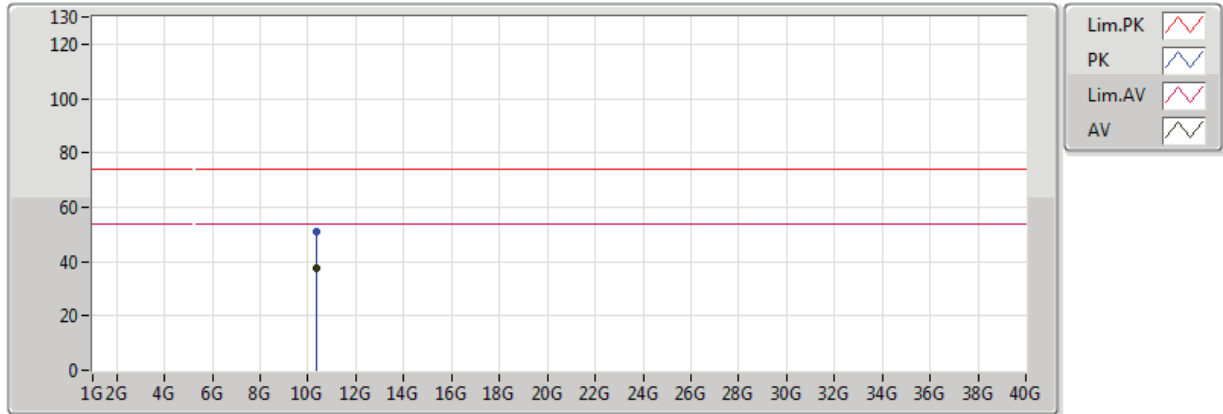


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 10.37598G    | 37.33             | 54.00             | -16.67         | 12.67          | 3           | Vertical  | 81             | 1.25          | -        |
| PK   | 10.39212G    | 50.45             | 74.00             | -23.55         | 12.70          | 3           | Vertical  | 81             | 1.25          | -        |

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

## 5190MHz\_TX

18/08/2018

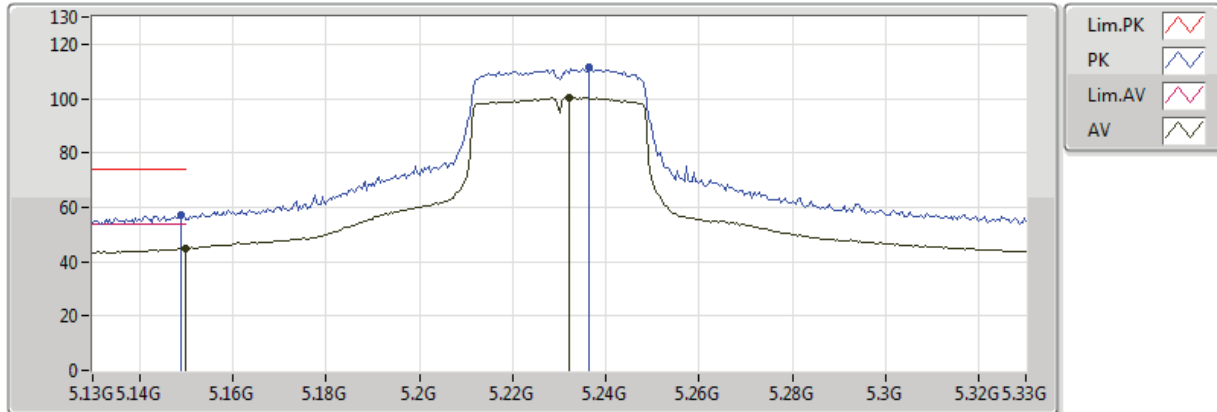


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.37752G    | 37.42             | 54.00             | -16.58         | 12.67          | 3           | Horizontal | 269            | 2.16          | -        |
| PK   | 10.37998G    | 50.78             | 74.00             | -23.22         | 12.68          | 3           | Horizontal | 269            | 2.16          | -        |

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

## 5230MHz\_TX

18/08/2018

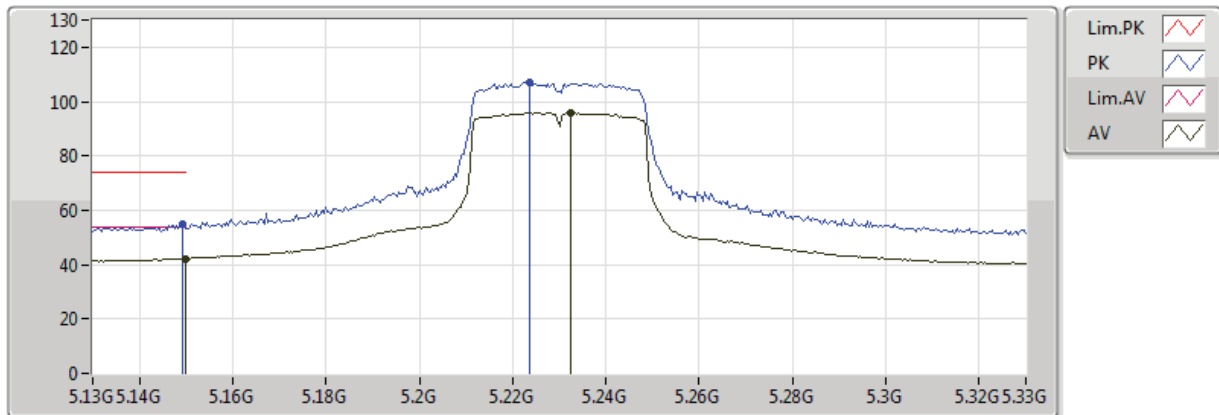


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 45.10             | 54.00             | -8.90          | 2.74           | 3           | Vertical  | 357            | 1.50          | -        |
| AV   | 5.232G       | 100.29            | Inf               | -Inf           | 2.84           | 3           | Vertical  | 357            | 1.50          | -        |
| PK   | 5.1488G      | 57.12             | 74.00             | -16.88         | 2.74           | 3           | Vertical  | 357            | 1.50          | -        |
| PK   | 5.2364G      | 111.27            | Inf               | -Inf           | 2.84           | 3           | Vertical  | 357            | 1.50          | -        |

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

## 5230MHz\_TX

18/08/2018

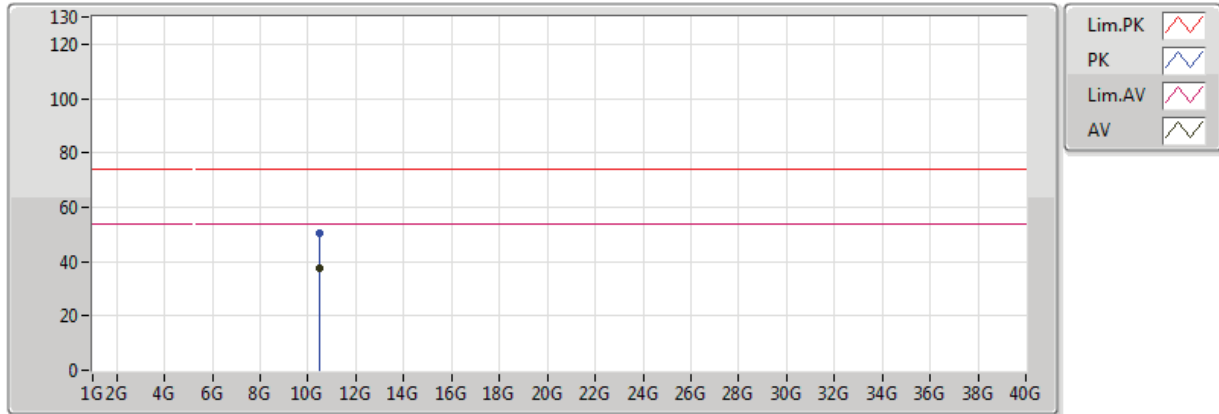


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.149995G    | 42.27             | 54.00             | -11.73         | 2.74           | 3           | Horizontal | 209            | 1.50          | -        |
| AV   | 5.2324G      | 95.75             | Inf               | -Inf           | 2.84           | 3           | Horizontal | 209            | 1.50          | -        |
| PK   | 5.1492G      | 54.69             | 74.00             | -19.31         | 2.74           | 3           | Horizontal | 209            | 1.50          | -        |
| PK   | 5.2236G      | 107.26            | Inf               | -Inf           | 2.83           | 3           | Horizontal | 209            | 1.50          | -        |

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

## 5230MHz\_TX

18/08/2018

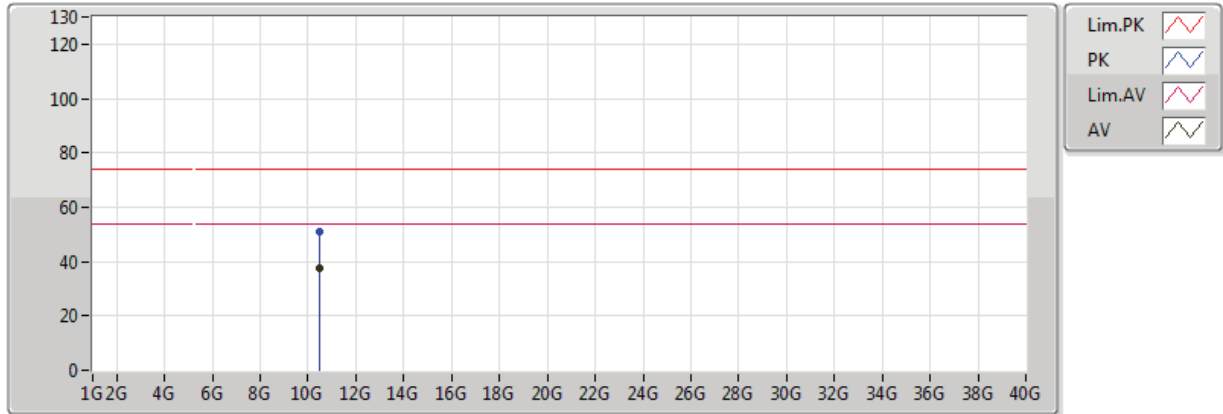


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 10.46428G    | 37.52             | 54.00             | -16.48         | 12.86          | 3           | Vertical  | 95             | 1.92          | -        |
| PK   | 10.46356G    | 50.36             | 74.00             | -23.64         | 12.86          | 3           | Vertical  | 95             | 1.92          | -        |

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

## 5230MHz\_TX

18/08/2018

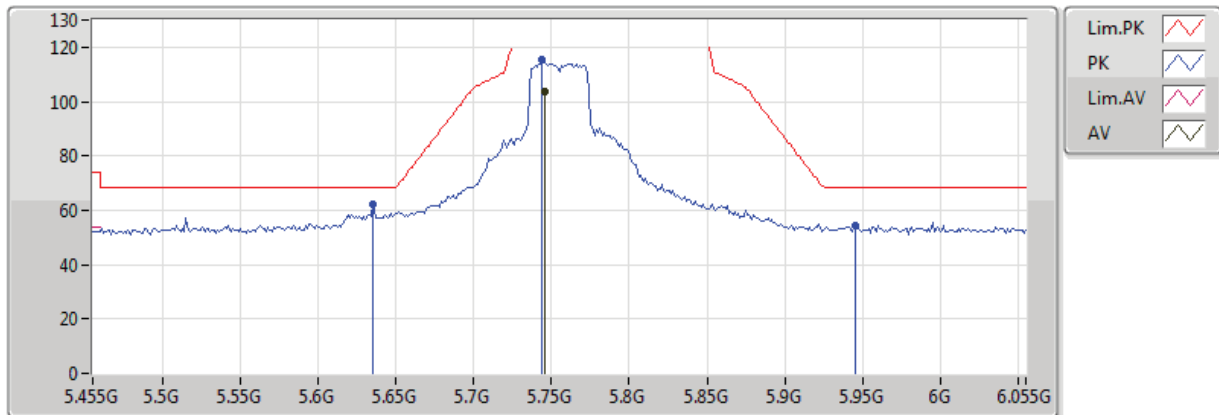


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.4553G     | 37.48             | 54.00             | -16.52         | 12.84          | 3           | Horizontal | 40             | 1.01          | -        |
| PK   | 10.46414G    | 50.99             | 74.00             | -23.01         | 12.86          | 3           | Horizontal | 40             | 1.01          | -        |

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

## 5755MHz\_TX

18/08/2018



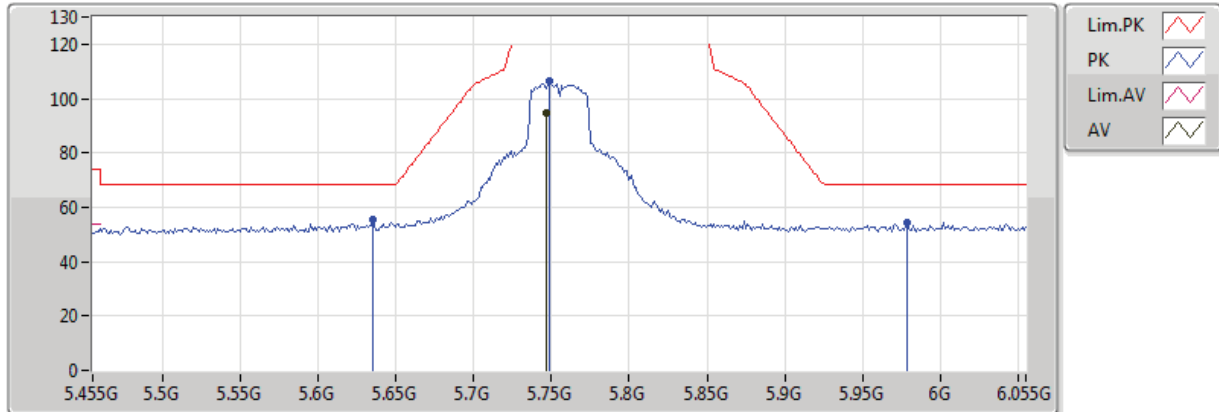
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7454G      | 103.76            | Inf               | -Inf           | 3.63           | 3           | Vertical  | 258            | 1.50          | -        |
| PK   | 5.635G       | 62.04             | 68.20             | -6.16          | 3.41           | 3           | Vertical  | 258            | 1.50          | -        |
| PK   | 5.7442G      | 115.51            | Inf               | -Inf           | 3.62           | 3           | Vertical  | 258            | 1.50          | -        |
| PK   | 5.9458G      | 54.43             | 68.20             | -13.77         | 4.02           | 3           | Vertical  | 258            | 1.50          | -        |



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

## 5755MHz\_TX

18/08/2018

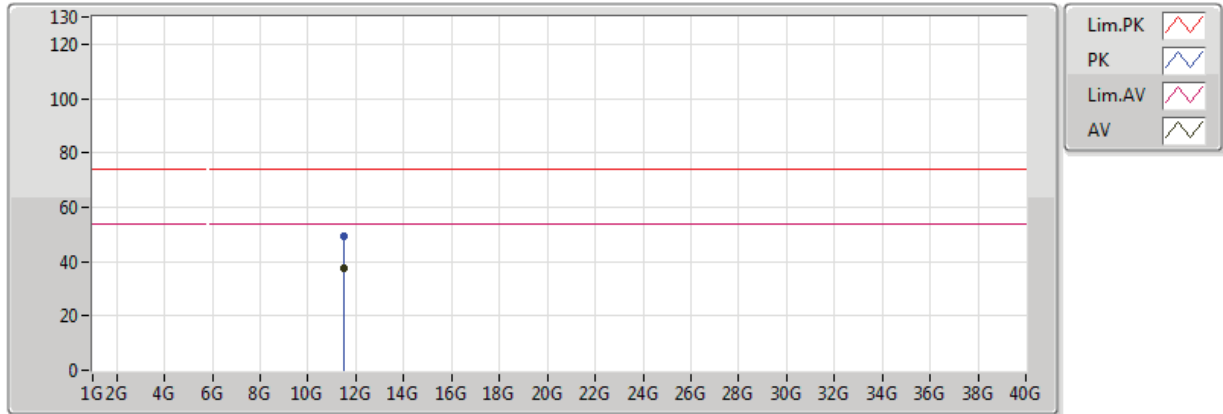


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.7466G      | 94.76             | Inf               | -Inf           | 3.63           | 3           | Horizontal | 164            | 1.50          | -        |
| PK   | 5.635G       | 55.46             | 68.20             | -12.74         | 3.41           | 3           | Horizontal | 164            | 1.50          | -        |
| PK   | 5.749G       | 106.29            | Inf               | -Inf           | 3.63           | 3           | Horizontal | 164            | 1.50          | -        |
| PK   | 5.9782G      | 54.40             | 68.20             | -13.80         | 4.08           | 3           | Horizontal | 164            | 1.50          | -        |

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

## 5755MHz\_TX

18/08/2018

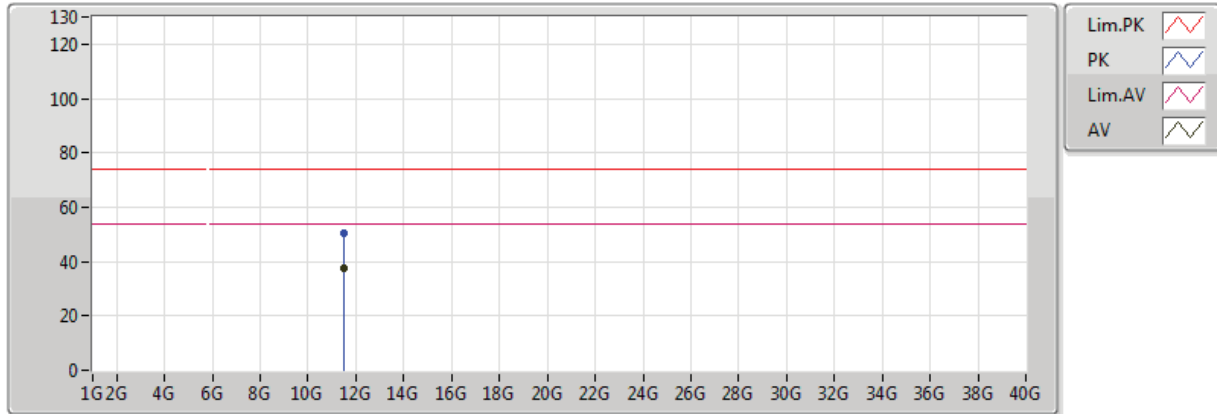


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.51204G    | 37.57             | 54.00             | -16.43         | 13.56          | 3           | Vertical  | 79             | 1.95          | -        |
| PK   | 11.51318G    | 49.57             | 74.00             | -24.43         | 13.56          | 3           | Vertical  | 79             | 1.95          | -        |

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

## 5755MHz\_TX

18/08/2018

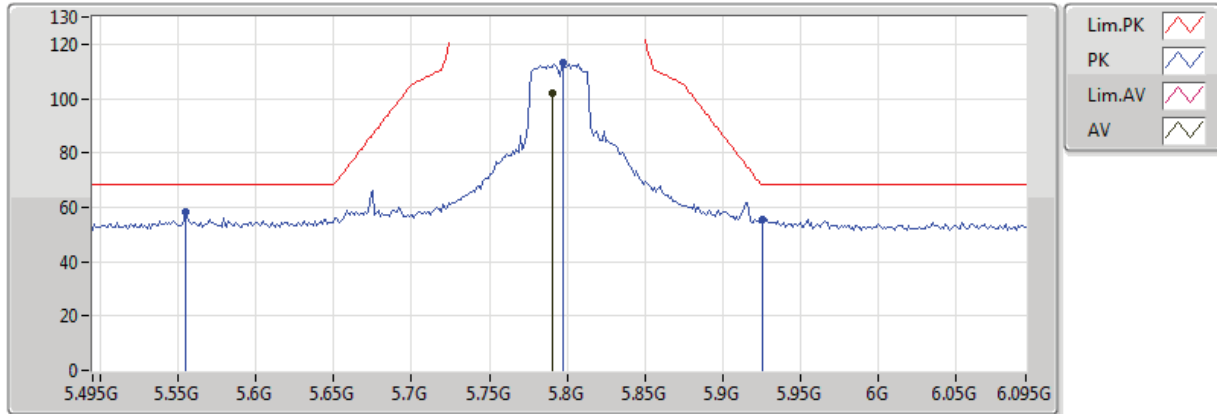


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.50612G    | 37.44             | 54.00             | -16.56         | 13.56          | 3           | Horizontal | 94             | 1.95          | -        |
| PK   | 11.51182G    | 50.29             | 74.00             | -23.71         | 13.56          | 3           | Horizontal | 94             | 1.95          | -        |

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

## 5795MHz\_TX

18/08/2018

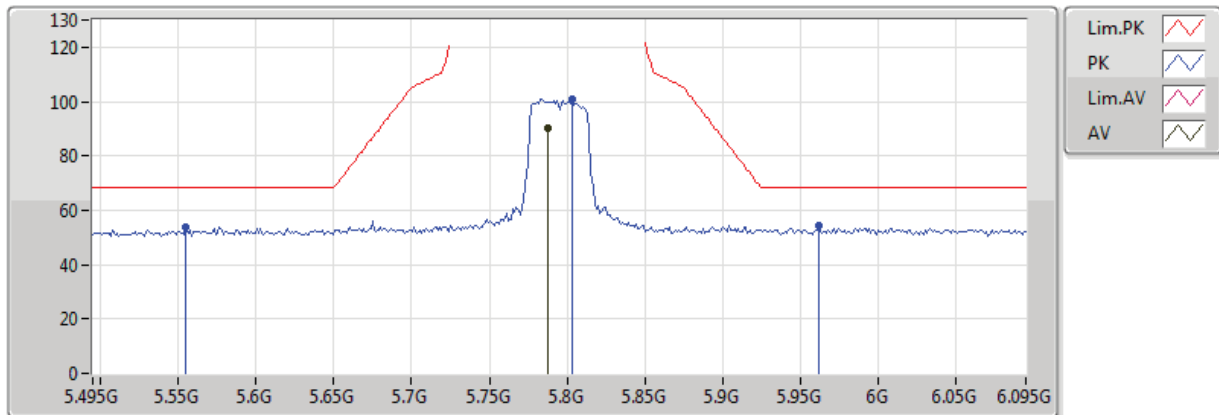


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7902G      | 102.26            | Inf               | -Inf           | 3.71           | 3           | Vertical  | 159            | 1.50          | -        |
| PK   | 5.555G       | 58.47             | 68.20             | -9.73          | 3.25           | 3           | Vertical  | 159            | 1.50          | -        |
| PK   | 5.7974G      | 112.94            | Inf               | -Inf           | 3.73           | 3           | Vertical  | 159            | 1.50          | -        |
| PK   | 5.9258G      | 55.44             | 68.20             | -12.76         | 3.99           | 3           | Vertical  | 159            | 1.50          | -        |

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

## 5795MHz\_TX

18/08/2018

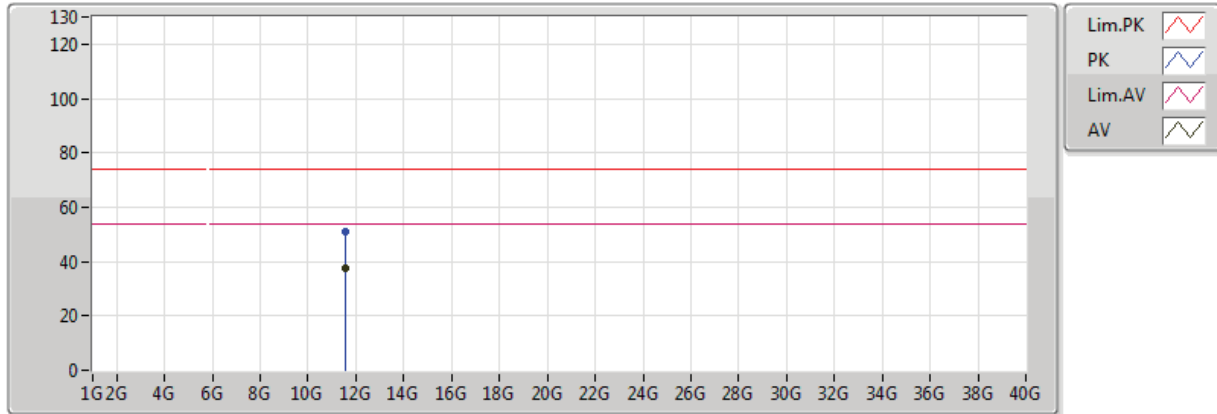


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.7878G      | 90.38             | Inf               | -Inf           | 3.71           | 3           | Horizontal | 163            | 1.50          | -        |
| PK   | 5.555G       | 53.98             | 68.20             | -14.22         | 3.25           | 3           | Horizontal | 163            | 1.50          | -        |
| PK   | 5.8034G      | 101.10            | Inf               | -Inf           | 3.74           | 3           | Horizontal | 163            | 1.50          | -        |
| PK   | 5.9618G      | 54.14             | 68.20             | -14.06         | 4.05           | 3           | Horizontal | 163            | 1.50          | -        |

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

## 5795MHz\_TX

18/08/2018

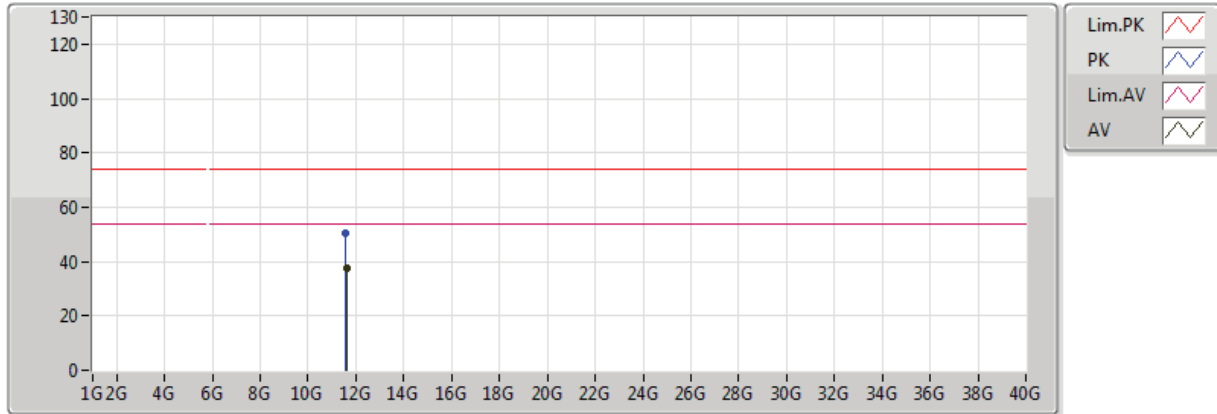


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.58786G    | 37.35             | 54.00             | -16.65         | 13.49          | 3           | Vertical  | 318            | 2.38          | -        |
| PK   | 11.58506G    | 50.88             | 74.00             | -23.12         | 13.49          | 3           | Vertical  | 318            | 2.38          | -        |

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

## 5795MHz\_TX

18/08/2018

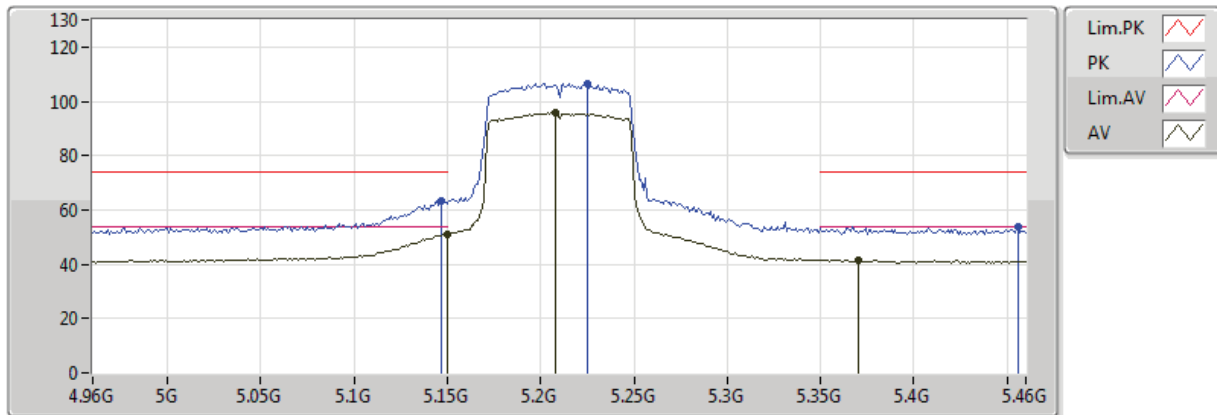


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.59336G    | 37.56             | 54.00             | -16.44         | 13.48          | 3           | Horizontal | 235            | 1.57          | -        |
| PK   | 11.5894G     | 50.40             | 74.00             | -23.60         | 13.49          | 3           | Horizontal | 235            | 1.57          | -        |

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

## 5210MHz\_TX

18/08/2018



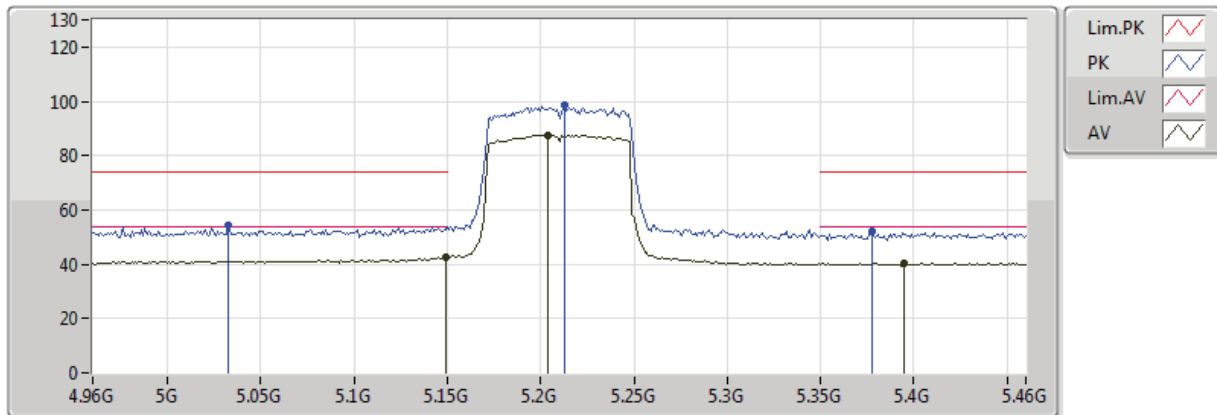
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.149995G    | 51.25             | 54.00             | -2.75          | 2.74           | 3           | Vertical  | 334            | 1.50          | -        |
| AV   | 5.208G       | 95.63             | Inf               | -Inf           | 2.81           | 3           | Vertical  | 334            | 1.50          | -        |
| AV   | 5.37G        | 41.43             | 54.00             | -12.57         | 2.99           | 3           | Vertical  | 334            | 1.50          | -        |
| PK   | 5.147G       | 63.19             | 74.00             | -10.81         | 2.74           | 3           | Vertical  | 334            | 1.50          | -        |
| PK   | 5.225G       | 106.61            | Inf               | -Inf           | 2.83           | 3           | Vertical  | 334            | 1.50          | -        |
| PK   | 5.456G       | 53.94             | 74.00             | -20.06         | 3.09           | 3           | Vertical  | 334            | 1.50          | -        |



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

## 5210MHz\_TX

18/08/2018

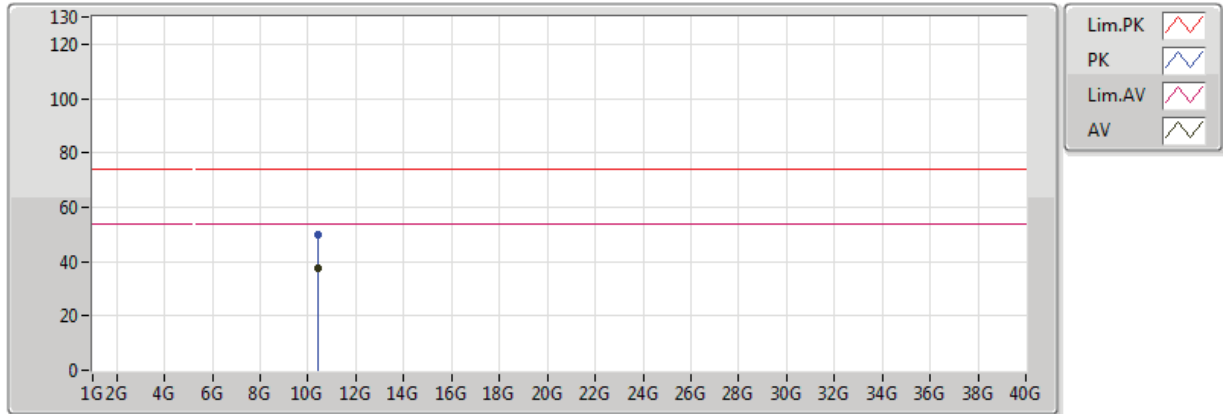


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.149G       | 42.63             | 54.00             | -11.37         | 2.74           | 3           | Horizontal | 154            | 1.50          | -        |
| AV   | 5.204G       | 87.62             | Inf               | -Inf           | 2.80           | 3           | Horizontal | 154            | 1.50          | -        |
| AV   | 5.395G       | 40.38             | 54.00             | -13.62         | 3.03           | 3           | Horizontal | 154            | 1.50          | -        |
| PK   | 5.033G       | 54.18             | 74.00             | -19.82         | 2.60           | 3           | Horizontal | 154            | 1.50          | -        |
| PK   | 5.213G       | 98.71             | Inf               | -Inf           | 2.81           | 3           | Horizontal | 154            | 1.50          | -        |
| PK   | 5.378G       | 51.99             | 74.00             | -22.01         | 3.00           | 3           | Horizontal | 154            | 1.50          | -        |

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

## 5210MHz\_TX

18/08/2018

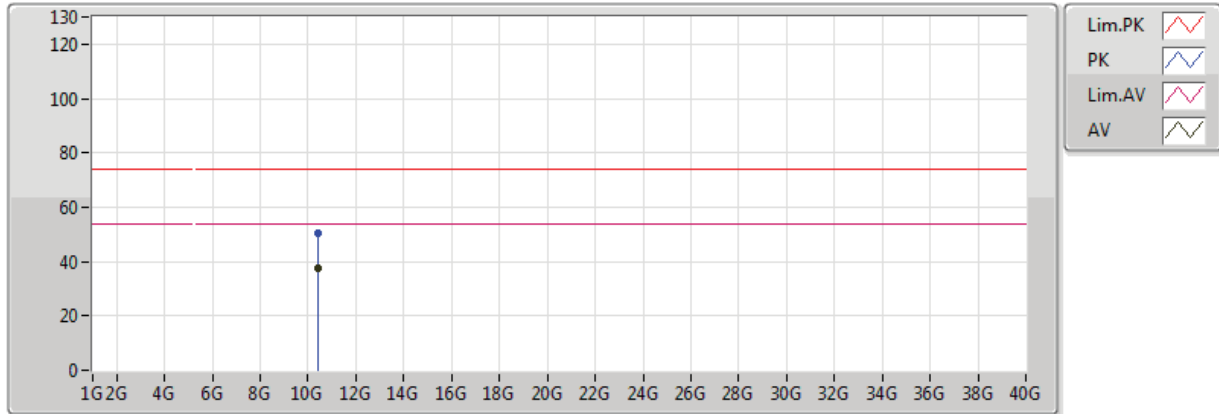


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 10.42354G    | 37.44             | 54.00             | -16.56         | 12.77          | 3           | Vertical  | 84             | 1.74          | -        |
| PK   | 10.41934G    | 49.77             | 74.00             | -24.23         | 12.76          | 3           | Vertical  | 84             | 1.74          | -        |

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

## 5210MHz\_TX

18/08/2018

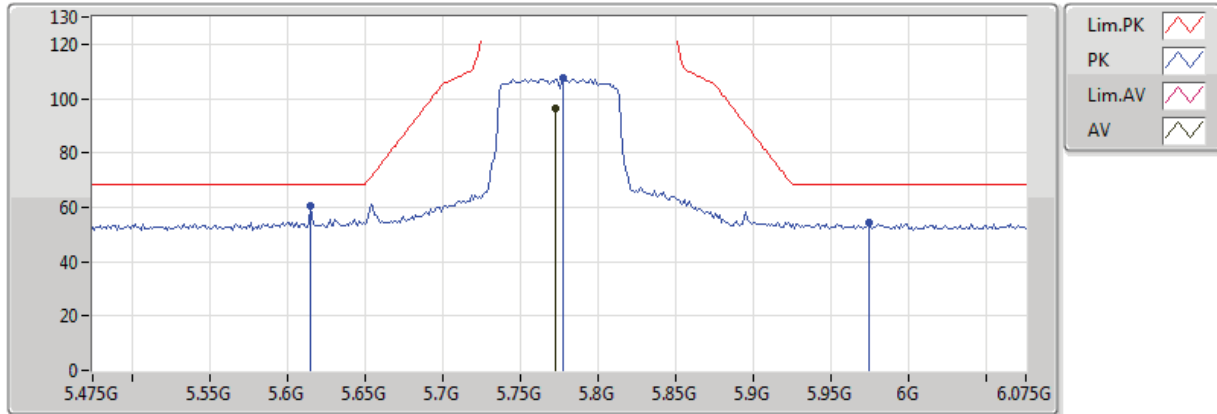


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 10.42018G    | 37.40             | 54.00             | -16.60         | 12.77          | 3           | Horizontal | 90             | 1.22          | -        |
| PK   | 10.42206G    | 50.22             | 74.00             | -23.78         | 12.77          | 3           | Horizontal | 90             | 1.22          | -        |

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

## 5775MHz\_TX

18/08/2018

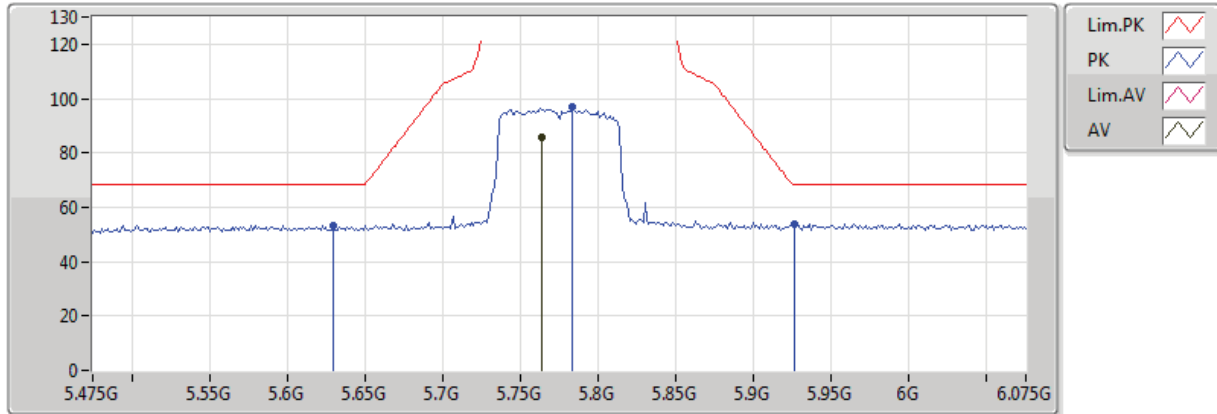


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 5.7726G      | 96.42             | Inf               | -Inf           | 3.68           | 3           | Vertical  | 319            | 1.50          | -        |
| PK   | 5.6154G      | 60.65             | 68.20             | -7.55          | 3.37           | 3           | Vertical  | 319            | 1.50          | -        |
| PK   | 5.7774G      | 107.47            | Inf               | -Inf           | 3.69           | 3           | Vertical  | 319            | 1.50          | -        |
| PK   | 5.9742G      | 54.21             | 68.20             | -13.99         | 4.07           | 3           | Vertical  | 319            | 1.50          | -        |

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

## 5775MHz\_TX

18/08/2018

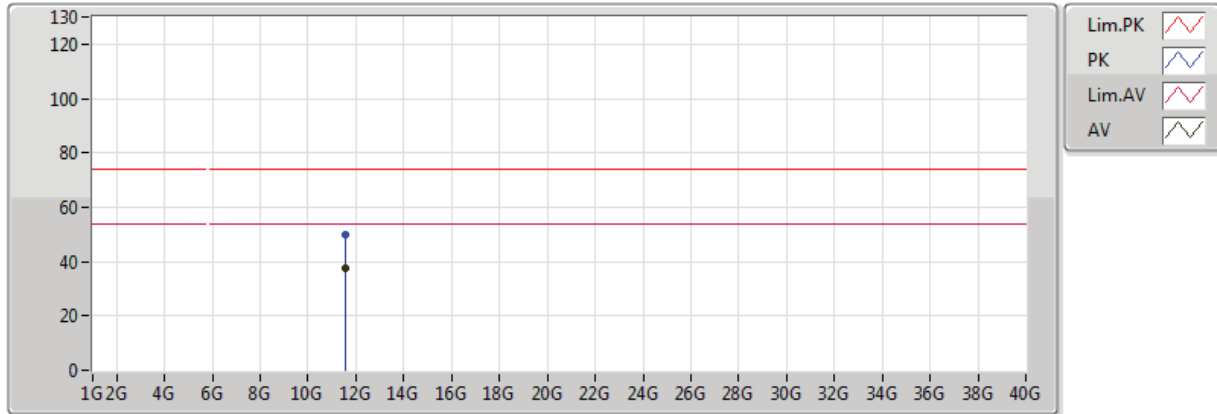


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 5.7642G      | 85.77             | Inf               | -Inf           | 3.66           | 3           | Horizontal | 160            | 1.50          | -        |
| PK   | 5.6298G      | 53.48             | 68.20             | -14.72         | 3.40           | 3           | Horizontal | 160            | 1.50          | -        |
| PK   | 5.7834G      | 96.75             | Inf               | -Inf           | 3.70           | 3           | Horizontal | 160            | 1.50          | -        |
| PK   | 5.9262G      | 53.96             | 68.20             | -14.24         | 3.99           | 3           | Horizontal | 160            | 1.50          | -        |

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

## 5775MHz\_TX

18/08/2018

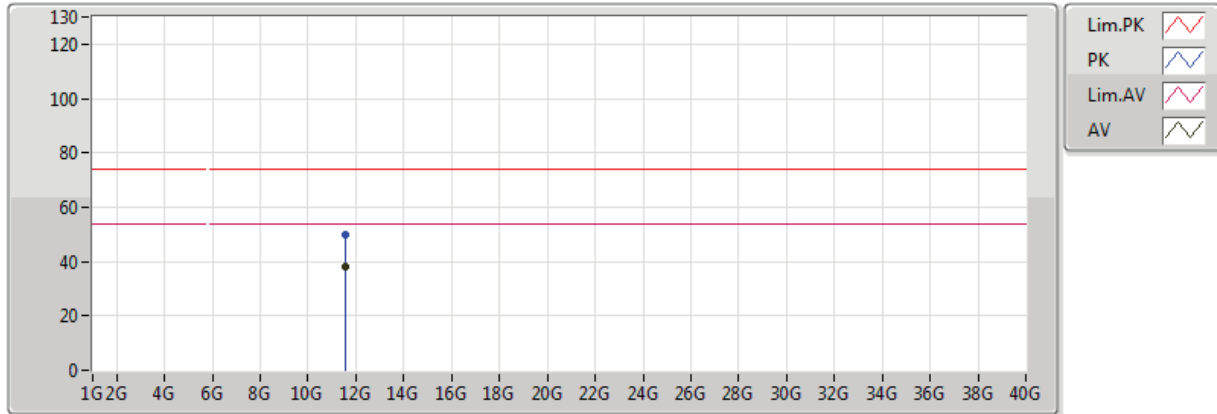


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 11.5466G     | 37.31             | 54.00             | -16.69         | 13.53          | 3           | Vertical  | 344            | 2.13          | -        |
| PK   | 11.54884G    | 49.94             | 74.00             | -24.06         | 13.53          | 3           | Vertical  | 344            | 2.13          | -        |

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

## 5775MHz\_TX

18/08/2018



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 11.55464G    | 38.33             | 54.00             | -15.67         | 13.52          | 3           | Horizontal | 8              | 1.73          | -        |
| PK   | 11.55168G    | 49.69             | 74.00             | -24.31         | 13.52          | 3           | Horizontal | 8              | 1.73          | -        |