# FCC Test Report

| | | |
|---|---|---|
| **FCC ID** | : | **H8NAP5620W** |
| **Equipment** | : | **WIFI Tri-band Mesh RE** |
| **Model Name** | : | **AP5620W-RoHS** |
| **Applicant/ Manufacturer** | : | **Askey Computer Corp. 10F, No.119, Jiankang Road, Zhonghe Dist., New Taipei City, Taiwan** |
| **Standard** | : | **47 CFR FCC Part 15.407** |

**The product was received on Jun. 05, 2019, and testing was started from Jun. 05, 2019 and completed on Sep. 20, 2019. 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.)*

# Table of Contents

# History of this test report

| Report No. | Version | Description | Issued Date |
|---|---|---|---|
| FR991916AN | 01 | Initial issue of report | Sep. 24, 2019 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

# Summary of Test Result

| Report Clause | Ref. Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---|---|---|---|---|
| 1.1.2 | 15.203 | Antenna Requirement | PASS | - |
| 3.1 | 15.207 | AC Power-line Conducted Emissions | PASS | - |
| 3.2 | 15.407(a) | Emission Bandwidth | PASS | - |
| 3.3 | 15.407(a) | Maximum Conducted Output Power | PASS | - |
| 3.4 | 15.407(a) | Peak Power Spectral Density | PASS | - |
| 3.5 | 15.407(b) | Unwanted Emissions | PASS | - |

| **Declaration of Conformity:** |
|---|
| The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. |
| **Comments and explanations:** |
| None |

**Reviewed by: Sam Tsai**

**Report Producer: Kate Lo**

# 1 General Description

## 1.1 Information

| Radio | Chip | Function | TX |
|---|---|---|---|
| 1 | IPQ4019 | WLAN 2.4G+WLAN 5G(U-NII-1/U-NII-2A) | 2 |
| 2 | QCA9984 | WLAN 5G(U-NII-2C/U-NII-3) | 4 |
| 3 | CSR 8811 | Bluetooth | 1 |

### 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) | 5180-5240 | 36-48 [4] |
| 5725-5850 | | 5745-5825 | 149-165 [5] |
| 5150-5250 | n (HT40), ac (VHT40) | 5190-5230 | 38-46 [2] |
| 5725-5850 | | 5755-5795 | 151-159 [2] |
| 5150-5250 | ac (VHT80) | 5210 | 42 [1] |
| 5725-5850 | | 5775 | 155 [1] |

**Non-Beamforming**

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.15-5.25GHz | 802.11a | 20 | 2TX |
| 5.725-5.85GHz | | 20 | 4TX |
| 5.15-5.25GHz | 802.11ac VHT20 | 20 | 2TX |
| 5.725-5.85GHz | | 20 | 4TX |
| 5.15-5.25GHz | 802.11ac VHT40 | 40 | 2TX |
| 5.725-5.85GHz | | 40 | 4TX |
| 5.15-5.25GHz | 802.11ac VHT80 | 80 | 2TX |
| 5.725-5.85GHz | | 80 | 4TX |

**Beamforming**

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.15-5.25GHz | 802.11ac VHT20-BF | 20 | 2TX |
| 5.725-5.85GHz | | 20 | 4TX |
| 5.15-5.25GHz | 802.11ac VHT40-BF | 40 | 2TX |
| 5.725-5.85GHz | | 40 | 4TX |
| 5.15-5.25GHz | 802.11ac VHT80-BF | 80 | 2TX |
| 5.725-5.85GHz | | 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.
- BWch is the nominal channel bandwidth.

### 1.1.2 Antenna Information

| Ant. | Brand | Model Name | Antenna Type | Connector | Remark |
|---|---|---|---|---|---|
| 1 | Airgain | F2430DL | FPC | Spring contact | For Radio 1 |
| 2 | Airgain | F2430DL | FPC | Spring contact | |
| 3 | Airgain | N5X20BLOM3 | PCB | I-PEX | For Radio 2 |
| 4 | Airgain | F5X30BL | FPC | Spring contact | |
| 5 | Airgain | F5X30BL | FPC | Spring contact | |
| 6 | Airgain | N5X20BLOM2 | PCB | I-PEX | |
| 7 | Airgain | N2430LTMSSBK4 | SMT PCB antenna | N/A | For Radio 3 |

| Ant. | Port | Gain (dBi) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.4G | | 5G | | | | | | | | BT | |
| | | | | U-NII-1 | | U-NII-2A | | U-NII-2C | | U-NII-3 | | | |
| | | Peak | Correlated | Peak | Correlated | Peak | Correlated | Peak | Correlated | Peak | Correlated | Peak | Correlated |
| 1 | 1 | 1.1 | 4.0 | 1.5 | 5.8 | 1.4 | 5.4 | - | - | - | - | - | - |
| 2 | 2 | 1.1 | 4.0 | 1.5 | 5.8 | 1.4 | 5.4 | - | - | - | - | - | - |
| 3 | 1 | - | - | - | - | - | - | 0.8 | 6.6 | 0.5 | 6.2 | - | - |
| 4 | 2 | - | - | - | - | - | - | 0.8 | 6.6 | 0.5 | 6.2 | - | - |
| 5 | 3 | - | - | - | - | - | - | 0.8 | 6.6 | 0.5 | 6.2 | - | - |
| 6 | 4 | - | - | - | - | - | - | 0.8 | 6.6 | 0.5 | 6.2 | - | - |
| 7 | 1 | - | - | - | - | - | - | - | - | - | - | 0.9 | - |

Note 1: The EUT have seven antennas.

**For 2.4GHz function:**

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

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

**For 5GHz function:**

**U-NII-1/U-NII-2A:**

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

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

**U-NII-2C/U-NII-3:**

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

Ant. 3 (port 1), Ant. 4 (port 2), Ant. 5 (port 3) and Ant. 6 (port 4)could transmit/receive simultaneously.

**For BT function:**

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

Ant. 7 (port 1) could transmit/receive simultaneously.

### 1.1.3 EUT Information

| Operational Condition | | | | |
|---|---|---|---|---|
| **EUT Power Type** | From Switching Power Supply | | | |
| **EUT Function** | ☐ | Outdoor | ☒ | Indoor |
| | ☐ | Fixed P2P | ☐ | Client |
| **Beamforming Function** | ☒ | With beamforming | ☐ | Without beamforming |
| **TPC Function** | ☒ | With TPC Function | ☐ | Without TPC Function |

| Type of EUT | | |
|---|---|---|
| ☒ | Stand-alone | |
| ☐ | Combined (EUT where the radio part is fully integrated within another device) | |
| | Combined Equipment - Brand Name / Model No.: | … |
| ☐ | Plug-in radio (EUT intended for a variety of host systems) | |
| | Host System - Brand Name / Model No.: | … |
| ☐ | Other: | |

### 1.1.4 Mode Test Duty Cycle

**Non-Beamforming**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11a | 0.97 | 0.13 | 2.069m | 1k |
| 802.11ac VHT20 | 0.988 | 0.05 | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11ac VHT40 | 0.975 | 0.11 | 2.441m | 1k |
| 802.11ac VHT80 | 0.949 | 0.23 | 1.153m | 1k |

**Beamforming**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11ac VHT20-BF | 0.927 | 0.33 | 1.777m | 1k |
| 802.11ac VHT40-BF | 0.92 | 0.36 | 1.713m | 1k |
| 802.11ac VHT80-BF | 0.867 | 0.62 | 1.968m | 1k |

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

## 1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- KDB 789033 D02 v02r01
- KDB 662911 D01 v02r01
- KDB 414788 D01 v01r01

## 1.3 Testing Location Information

| Testing Location | | | |
|---|---|---|---|
| ☒ | 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. | | | |
| ☐ | 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 |
|---|---|---|---|---|
| AC Conduction | CO04-HY | Edward | 23.5~26.2°C / 61.8~67.2% | 20/Sep/2019 |
| RF Conducted | TH07-HY | Clara | 23.3~25.3°C / 59~63% | 05/Jun/2019~ 19/Sep/2019 |
| Radiated | 03CH09-HY | Andy | 23.2~24.6°C / 52.1~53.2% | 02/Sep/2019~ 18/Sep/2019 |

## 1.4 Measurement Uncertainty

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

| Test Items | Uncertainty | Remark |
|---|---|---|
| Conducted Emission (150kHz ~ 30MHz) | 3.54 dB | Confidence levels of 95% |
| Radiated Emission (9kHz ~ 30MHz) | 1.6 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 |
|---|---|---|
| TnomVnom | Tnom | 20°C |
| - | Vnom | 120V |

## 2.2 Test Channel Mode

| Test Software Version | QRCT V3.0.239.0 |
|---|---|

**Non-Beamforming**

| Mode | Power Setting |
|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | - |
| 5180MHz | 22.5 |
| 5200MHz | 23 |
| 5240MHz | 23 |
| 802.11a_Nss1,(6Mbps)_4TX | - |
| 5745MHz | 23 |
| 5785MHz | 20 |
| 5825MHz | 22 |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | - |
| 5180MHz | 22 |
| 5200MHz | 23.5 |
| 5240MHz | 23.5 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | - |
| 5745MHz | 23 |
| 5785MHz | 20 |
| 5825MHz | 19.5 |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | - |
| 5190MHz | 20 |
| 5230MHz | 23 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | - |
| 5755MHz | 22 |
| 5795MHz | 22 |
| 802.11ac VHT80_Nss1,(MCS0)_2TX | - |
| 5210MHz | 19 |

| Mode | Power Setting |
|---|---|
| 802.11ac VHT80_Nss1,(MCS0)_4TX | - |
| 5775MHz | 18.5 |

**Beamforming**

| Mode | Power Setting |
|---|---|
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | - |
| 5180MHz | 25 |
| 5200MHz | 27 |
| 5240MHz | 27 |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | - |
| 5745MHz | 29 |
| 5785MHz | 29 |
| 5825MHz | 29 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | - |
| 5190MHz | 23 |
| 5230MHz | 27 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | - |
| 5755MHz | 29 |
| 5795MHz | 29 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | - |
| 5210MHz | 22 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | - |
| 5775MHz | 26 |

## 2.3 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | AC power-line conducted emissions |
| **Condition** | AC power-line conducted measurement for line and neutral |
| **Operating Mode** | CTX |
| 1 | Switching Power Supply mode |

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

| The Worst Case Mode for Following Conformance Tests | | | |
|---|---|---|---|
| **Tests Item** | Unwanted Emissions | | |
| **Test Condition** | 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. | | |
| **Operating Mode < 1GHz** | CTX | | |
| 1 | Switching Power Supply mode | | |
| **Operating Mode > 1GHz** | CTX | | |
| **Orthogonal Planes of EUT** | **X Plane** | **Y Plane** | **Z Plane** |
| |  |  |  |
| **Worst Planes of EUT** | V(Radio 1) | V(Radio 2) | |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Simultaneous Transmission Analysis |
| **Test Condition** | Radiated measurement |
| **Operating Mode** | CTX |
| 1 | Radio 1(2.4G)+Radio 1(5G)+Radio 2(5G)+Radio 3(Bluetooth) |
| 2 | Radio 1(2.4G)+Radio 1(5G) |
| Refer to Sporton Test Report No.: FA991916 for Co-location RF Exposure Evaluation(Mode 1) and Appendix G for Radiated Emission Co-location(Mode 2). | |

## 2.4 Support Equipment

| Support Equipment – AC Conduction | | | | |
|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** |
| 1 | Power Cable | Power Sync | PW-GPC180-3 | - |
| 2 | LAN Cable | Power sync | CAT-6E-10 | N/A |

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

| Support Equipment – Radiated Emission | | | | |
|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** |
| 1 | Client for BF | - | - | - |

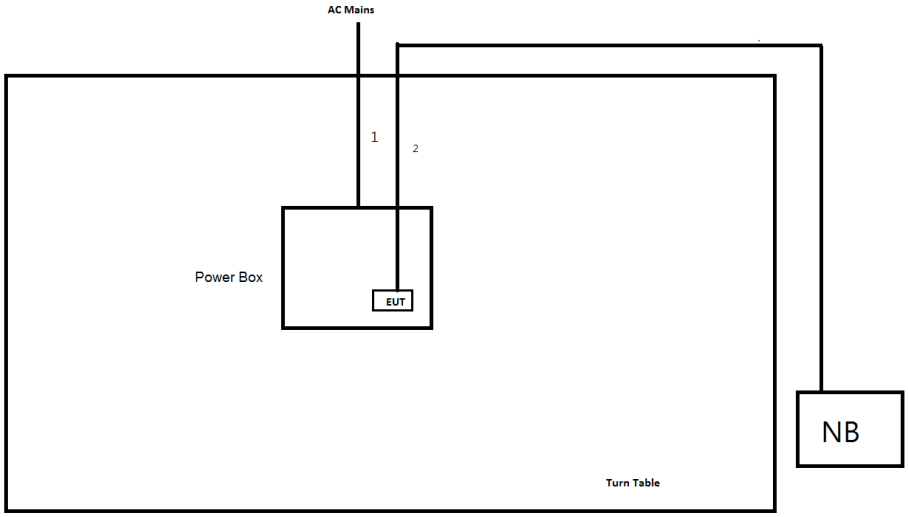
Note: Support equipment No.1 was provided by customer.

## 2.5 Test Setup Diagram

**Test Setup Diagram – AC Line Conducted Emission Test**


| Item | Connection | Shielded | Length(m) | Remark |
|---|---|---|---|---|
| 1 | AC Power Cable | No | 1.8 | - |

## Test Setup Diagram - Radiated Test




| Item | Connection | Shielded | Length(m) | Remark |
|---|---|---|---|---|
| 1 | Power Cable | No | 1.8 | - |
| 2 | RJ45 Cable | No | 10 | - |

# 3 Transmitter Test Result

## 3.1 AC Power-line Conducted Emissions

### 3.1.1 AC Power-line Conducted Emissions Limit

| AC Power-line Conducted Emissions Limit | | |
|---|---|---|
| **Frequency Emission (MHz)** | **Quasi-Peak** | **Average** |
| 0.15-0.5 | 66 - 56 * | 56 - 46 * |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |
| Note 1: * Decreases with the logarithm of the frequency. | | |

### 3.1.2 Measuring Instruments

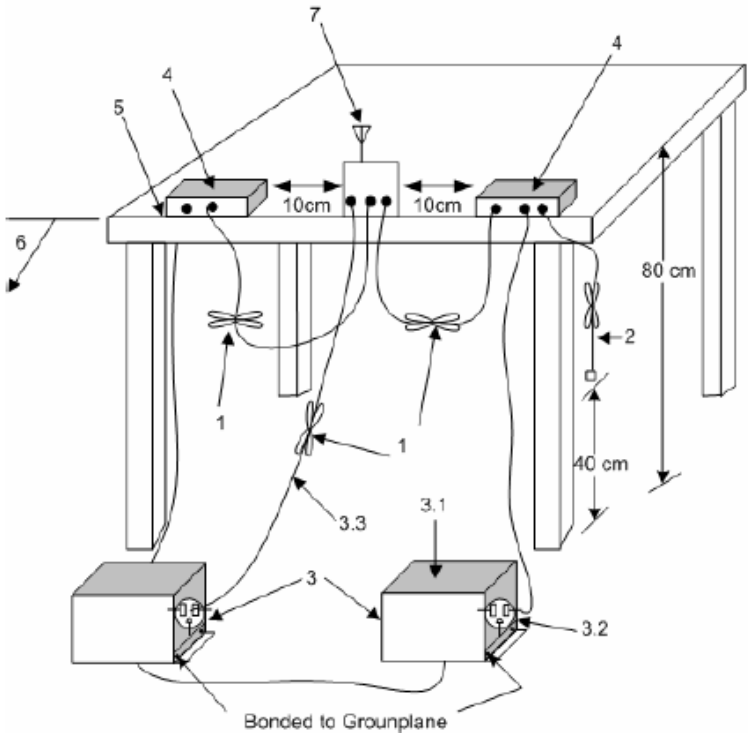
Refer a test equipment and calibration data table in this test report.

### 3.1.3 Test Procedures

| Test Method |
|---|
| ☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions. |

### 3.1.4 Test Setup

**AC Power-line Conducted Emissions**




1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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

Refer as Appendix A

# 3.2 Emission Bandwidth

## 3.2.1 Emission Bandwidth Limit

| Emission Bandwidth Limit | |
|---|---|
| **UNII Devices** | |
| ☒ | For the 5.15-5.25 GHz band, N/A |
| ☐ | For the 5.25-5.35 GHz band, N/A |
| ☐ | For the 5.47-5.725 GHz band, N/A |
| ☒ | For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz. |

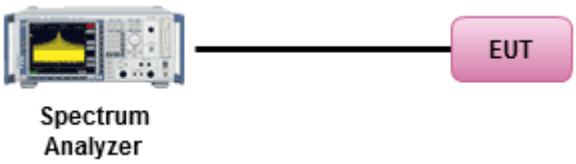
## 3.2.2 Measuring Instruments

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

## 3.2.3 Test Procedures

| Test Method | | |
|---|---|---|
| ▪ | For the emission bandwidth shall be measured using one of the options below: | |
| | ☒ | Refer as KDB 789033, clause C for EBW and clause D for OBW measurement. |
| | ☐ | Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing. |
| | ☐ | Refer as IC RSS-Gen, clause 6.7 for bandwidth testing. |

## 3.2.4 Test Setup

| Emission Bandwidth |
|---|
|   |

## 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

## 3.3 Maximum Conducted Output Power

### 3.3.1 Maximum Conducted Output Power Limit

| Maximum Conducted Output Power Limit | |
|---|---|
| **UNII Devices** | |
| ☒ For the 5.15-5.25 GHz band: | |
| | ▪ Outdoor AP: the maximum conducted output power ($P_{Out}$) shall not exceed the lesser of 1 W. If $G_{TX}$ > 6 dBi, then $P_{Out}$ = 30 – ($G_{TX}$ – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] |
| | ▪ Indoor AP: the maximum conducted output power ($P_{Out}$) shall not exceed the lesser of 1 W. If $G_{TX}$ > 6 dBi, then $P_{Out}$ = 30 – ($G_{TX}$ – 6) |
| | ▪ Point-to-point AP: the maximum conducted output power ($P_{Out}$) shall not exceed the lesser of 1 W If $G_{TX}$ > 23 dBi, then $P_{Out}$ = 30 – ($G_{TX}$ – 23). |
| | ▪ Mobile or Portable Client: the maximum conducted output power ($P_{Out}$) shall not exceed the lesser of 250 mW. If $G_{TX}$ > 6 dBi, then $P_{Out}$ = 24 – ($G_{TX}$ – 6). |
| ☐ 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). | |
| ☐ 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). | |
| ☒ For the 5.725-5.85 GHz band: | |
| | ▪ Point-to-multipoint systems (P2M): the maximum conducted output power ($P_{Out}$) shall not exceed the lesser of 1 W. If $G_{TX}$ > 6 dBi, then $P_{Out}$ = 30 – ($G_{TX}$ – 6). |
| | ▪ Point-to-point systems (P2P): the maximum conducted output power ($P_{Out}$) shall not exceed the lesser of 1 W. |
| **$P_{Out}$** = maximum conducted output power in dBm,<br>**$G_{TX}$** = the maximum transmitting antenna directional gain in dBi. | |

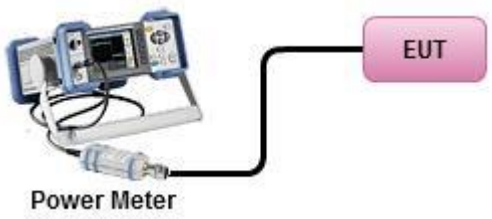
### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

| Test Method | |
|---|---|
| ▪ Maximum Conducted Output Power | |
| | Duty cycle ≥ 98% |
| | ☐ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging). |
| | Duty cycle < 98% |
| | ☐ 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 |
| | ☒ Refer as KDB 789033, clause E Method PM (using an RF average power meter). |
| ▪ For conducted measurement. | |
| | ▪ 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. |
| | ▪ If multiple transmit chains, EIRP calculation could be following as methods:<br>$P_{total} = P_1 + P_2 + \ldots + P_n$<br>(calculated in linear unit [mW] and transfer to log unit [dBm])<br>$EIRP_{total} = P_{total} + DG$ |

### 3.3.4 Test Setup

| RF Output Power (Power Meter) |
|---|
|  |

### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

## 3.4 Peak Power Spectral Density

### 3.4.1 Peak Power Spectral Density Limit

| Peak Power Spectral Density Limit | |
|---|---|
| **UNII Devices** | |
| ☒ For the 5.15-5.25 GHz band: | |
| | ▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX}$ > 6 dBi, then $P_{Out}$ = 17 – ($G_{TX}$ – 6). |
| | ▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX}$ > 6 dBi, then $P_{Out}$ = 17 – ($G_{TX}$ – 6). |
| | ▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX}$ > 23 dBi, then $P_{Out}$ = 17 – ($G_{TX}$ – 23). |
| | ▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX}$ > 6 dBi, then PPSD= 11 – ($G_{TX}$ – 6).. |
| ☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX}$ > 6 dBi, then PPSD= 11 – ($G_{TX}$ – 6). | |
| ☐ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX}$ > 6 dBi, then PPSD= 11 – ($G_{TX}$ – 6). | |
| ☒ For the 5.725-5.85 GHz band: | |
| | ▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX}$ > 6 dBi, then PPSD= 30 – ($G_{TX}$ – 6). |
| | ▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. |
| **PPSD** = 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>**$G_{TX}$** = the maximum transmitting antenna directional gain in dBi. | |

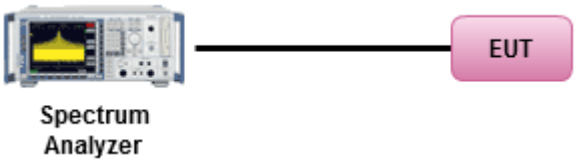
### 3.4.2 Measuring Instruments

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

### 3.4.3 Test Procedures

| Test Method | | |
|---|---|---|
| ▪ 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: | | |
| | ☐ 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% | |
| | ☐ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging). | |
| | Duty cycle < 98% | |
| | ☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed) | |
| ▪ For conducted measurement. | | |
| | ▪ If the EUT supports multiple transmit chains using options given below: | |
| | | ▪ 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. |
| | ▪ | If multiple transmit chains, EIRP PPSD calculation could be following as methods:<br>$PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$<br>(calculated in linear unit [mW] and transfer to log unit [dBm])<br>$EIRP_{total} = PPSD_{total} + DG$ |

### 3.4.4 Test Setup

| Power Spectral Density |
|---|
|  |

### 3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

## 3.5 Unwanted Emissions

### 3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

| Un-restricted band emissions above 1GHz Limit | |
|---|---|
| **Operating Band** | **Limit** |
| 5.15 - 5.25 GHz | e.i.r.p. -27 dBm [68.2 dBuV/m@3m] |
| 5.25 - 5.35 GHz | e.i.r.p. -27 dBm [68.2 dBuV/m@3m] |
| 5.47 - 5.725 GHz | e.i.r.p. -27 dBm [68.2 dBuV/m@3m] |
| 5.725 - 5.85 GHz | 5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m]<br>5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m]<br>5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m]<br>5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m]<br>5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m]<br>5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m]<br>Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m] |
| Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements). | |

### 3.5.2 Measuring Instruments

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

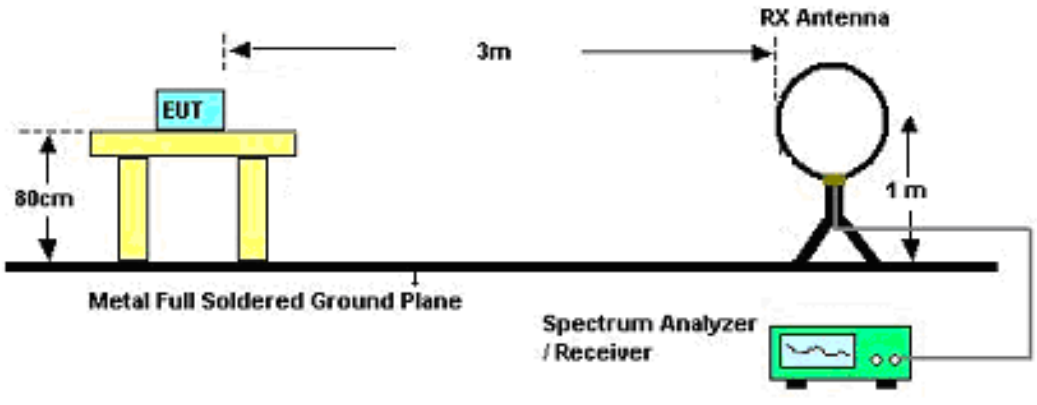
### 3.5.3 Test Procedures

| Test Method | | | |
|---|---|---|---|
| ▪ 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). | | | |
| ▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. | | | |
| ▪ For the transmitter unwanted emissions shall be measured using following options below: | | | |
| | ▪ Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands. | | |
| | ▪ Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands. | | |
| | | ☒ Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW. | |
| | | ☒ Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit. | |
| ▪ For radiated measurement. | | | |
| | ▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m. | | |
| | ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m. | | |
| | ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. | | |
| ▪ The any unwanted emissions level shall not exceed the fundamental emission level. | | | |
| ▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported. | | | |

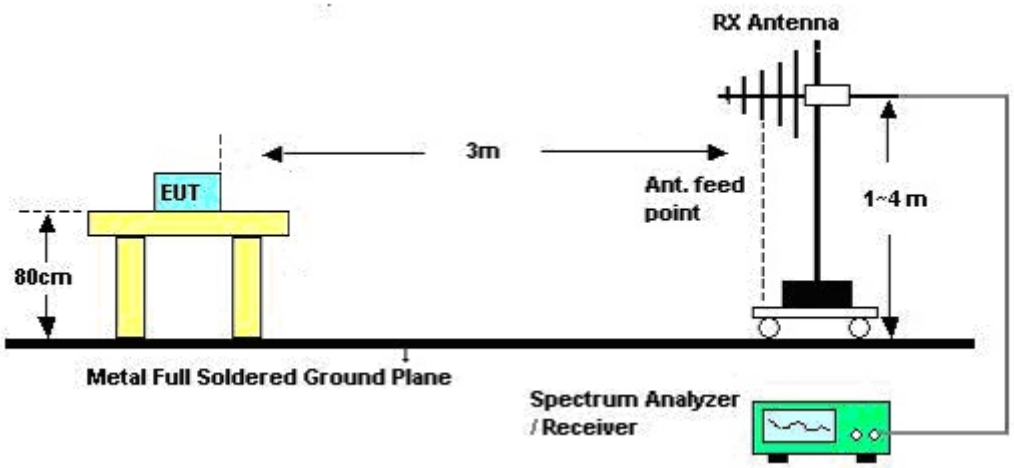
### 3.5.4 Test Setup

**Transmitter Radiated Unwanted Emissions**

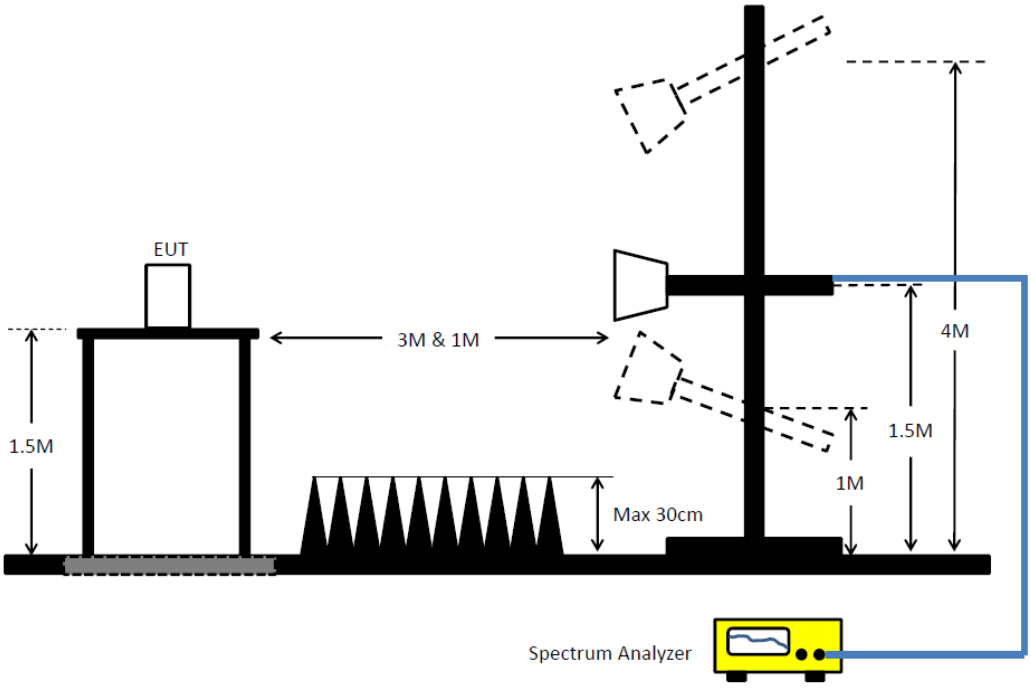
**9kHz ~30MHz**



**30MHz~1GHz**




**Above 1GHz**



### 3.5.5 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.

### 3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

## 3.6 Test Equipment and Calibration Data

**Instrument for AC Conduction**

| Instrument | Manufacturer | Model No. | Serial No. | Spec. | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|---|
| EMC Receiver | R&S | ESR3 | 102052 | 9kHz~3.6GHz | 09/Apr/2019 | 08/Apr/2020 |
| LISN | R&S | ENV216 | 101295 | 9kHz~30MHz | 08/Nov/2018 | 07/Nov/2019 |
| RF Cable-CON | MTJ | RG142 | CB002-CO | 9kHz~200MHz | 17/Sep/2018 | 16/Sep/2019 |
| AC POWER | APC | AFC-11005G | F310050055 | 47Hz~63Hz 5~300V | NCR | NCR |
| Impuls Begrenzer Pulse Limiter | SCHWARZBECK | VTSD 9561-F | 9561-F041 | 9kHz~30MHz | 12/Oct/2018 | 11/Oct/2019 |

**NCR : Non-Calibration Require**

**Instrument for Conducted Test**

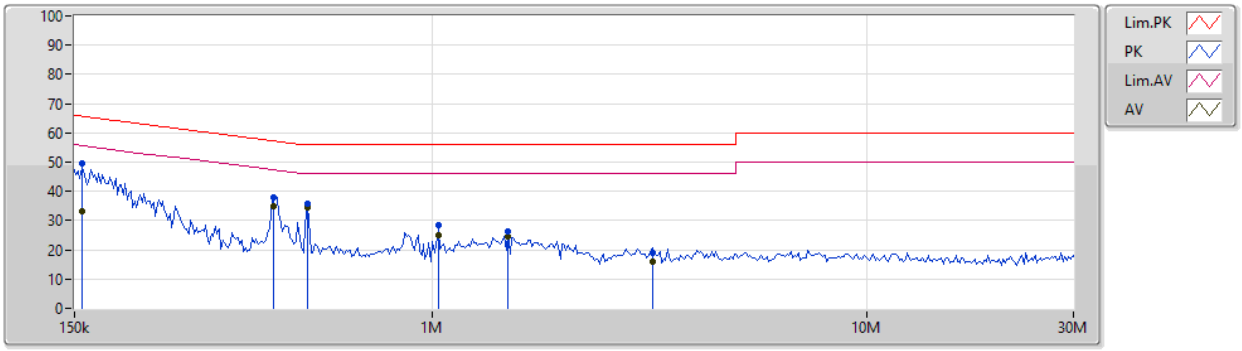
| Instrument | Manufacturer | Model No. | Serial No. | Spec. | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|---|
| Spectrum Analyzer | R&S | FSV 40 | 101013 | 10Hz~40GHz | 13/Mar/2019 | 12/Mar/2020 |
| Power Sensor | Anritsu | MA2411B | 1339407 | 300MHz~40GHz | 17/Nov/2018 | 16/Nov/2019 |
| Power Meter | Anritsu | ML2495A | 1517010 | 300MHz~40GHz | 17/Nov/2018 | 16/Nov/2019 |
| Cable 0.2m | HUBER | MY10710/4 | RF Cable - 01 | 30MHz~18G | 10/Jan/2019 | 09/Jan/2020 |
| Cable 0.2m | HUBER | MY10711/4 | RF Cable - 02 | 30MHz~18G | 10/Jan/2019 | 09/Jan/2020 |
| Cable 0.5m | HUBER | MY39470/4 | RF Cable - 29 | 30MHz~18G | 10/Jan/2019 | 09/Jan/2020 |
| SMB100A Signal Generator | R&S | SMB100A03 | 181147 | 100kHz~40GHz | 12/Nov/2018 | 10/Nov/2020 |

**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 | 22/Apr/2019 | 21/Apr/2020 |
| 3m Semi Anechoic Chamber | TDK | SAC-3M | 03CH09-HY | 1GHz~18GHz | 13/Jun/2019 | 12/Jun/2020 |
| Microwave System Premplifier | Agilent | 8449B | 3008A02326 | 1GHz~26.5GHz | 15/Jul/2019 | 14/Jul/2020 |
| Amplifier | EMC | EMC9135 | 980232 | 9KHz~1GHz | 22/Apr/2019 | 21/Apr/2020 |
| EMI Test Receiver | R&S | ESR3 | 102052 | 9kHz~3.6GHz | 09/Apr/2019 | 08/Apr/2020 |
| EXA Signal Analyzer | KEYSIGHT | N9010A | MY54200885 | 10Hz~44GHz | 07/Aug/2019 | 06/Aug/2020 |
| Bilog Antenna & 5dB Attenuator | TESEQ & MTJ | CBL6111D & MTJ6102-05 | 35418 / 3 | 30MHz~1GHz | 02/Oct/2018 | 03/Oct/2019 |
| Double Ridged Guide Horn Antenna | SCHWARZBECK | BBHA 9120 D | BBHA9120 D 1534 | 1GHz~18GHz | 22/May/2019 | 21/May/2020 |
| Broadband Horn Antenna | SCHWARZBECK | BBHA 9170 | BBHA9170614 | 18GHz~40GHz | 22/May/2019 | 21/May/2020 |
| Preamplifier | MITEQ | TTA1840-35-HG | 1864481 | 18GHz~40GHz | 05/Aug/2019 | 04/Aug/2020 |
| Loop Antenna | TESEQ | HLA 6120 | 31244 | 9k~30MHz | 15/Mar/2019 | 14/Mar/2020 |
| LF-CABLE-20190218 | Jye Bao | RG142 | CB028 | 9kHz~1GHz | 18/Feb/2019 | 17/Feb/2020 |
| RF Cable-high | HUBER+SUHNER | SUCOFLEX104 | SN 556626/4+556627 | 1GHz~40GHz | 13/Mar/2019 | 12/Mar/2020 |

| AC Power-line Conducted Emissions Result | | | |
|---|---|---|---|
| **Operating Mode** | 1 | **Power Phase** | Neutral |
| **Operating Function** | Switching Power Supply mode_Non-Beamforming | | |

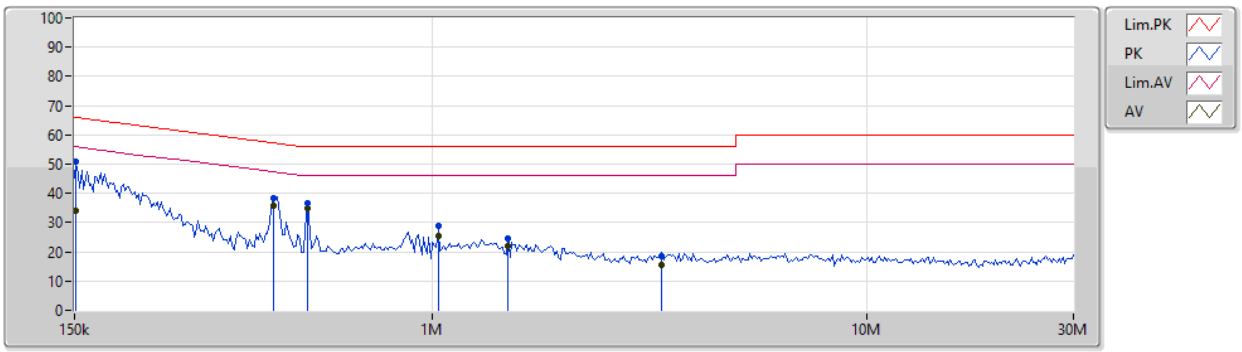
20/09/2019




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 156.091k | 49.59 | 65.67 | -16.08 | 19.48 | Neutral | - | 30.11 | 9.60 | 0.01 | 9.87 |
| AV | 156.091k | 33.26 | 55.67 | -22.41 | 19.48 | Neutral | - | 13.78 | 9.60 | 0.01 | 9.87 |
| QP | 430.682k | 37.91 | 57.24 | -19.33 | 19.48 | Neutral | - | 18.43 | 9.59 | 0.01 | 9.88 |
| AV | 430.682k | 34.70 | 47.24 | -12.54 | 19.48 | Neutral | - | 15.22 | 9.59 | 0.01 | 9.88 |
| QP | 515.159k | 35.80 | 56.00 | -20.20 | 19.48 | Neutral | - | 16.32 | 9.59 | 0.01 | 9.88 |
| AV | 515.159k | 34.68 | 46.00 | -11.32 | 19.48 | Neutral | "Worst" | 15.20 | 9.59 | 0.01 | 9.88 |
| QP | 1.034M | 28.53 | 56.00 | -27.47 | 19.49 | Neutral | - | 9.04 | 9.59 | 0.02 | 9.88 |
| AV | 1.034M | 25.05 | 46.00 | -20.95 | 19.49 | Neutral | - | 5.56 | 9.59 | 0.02 | 9.88 |
| QP | 1.494M | 26.48 | 56.00 | -29.52 | 19.52 | Neutral | - | 6.96 | 9.60 | 0.03 | 9.89 |
| AV | 1.494M | 24.48 | 46.00 | -21.52 | 19.52 | Neutral | - | 4.96 | 9.60 | 0.03 | 9.89 |
| QP | 3.214M | 18.98 | 56.00 | -37.02 | 19.54 | Neutral | - | -0.56 | 9.61 | 0.04 | 9.89 |
| AV | 3.214M | 16.08 | 46.00 | -29.92 | 19.54 | Neutral | - | -3.46 | 9.61 | 0.04 | 9.89 |

| AC Power-line Conducted Emissions Result | | | |
|---|---|---|---|
| **Operating Mode** | 1 | **Power Phase** | Line |
| **Operating Function** | Switching Power Supply mode_Non-Beamforming | | |

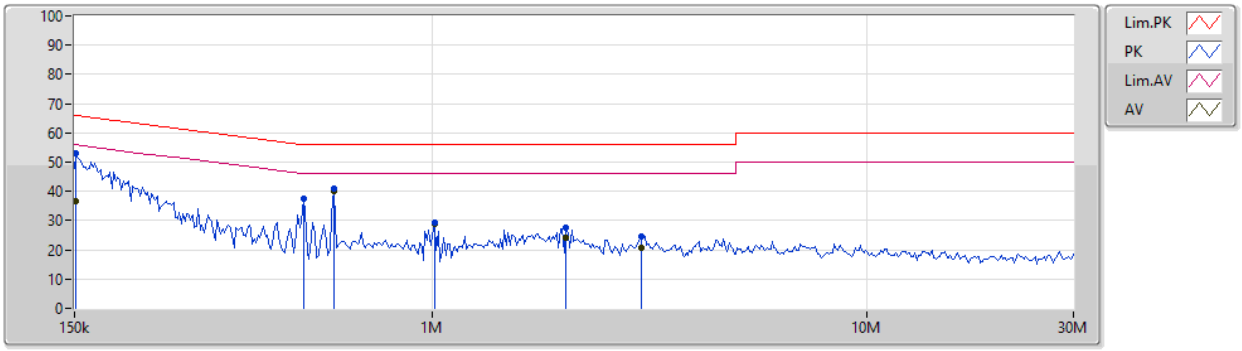
20/09/2019




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 151.5k | 51.06 | 65.92 | -14.86 | 19.48 | Line | - | 31.58 | 9.60 | 0.01 | 9.87 |
| AV | 151.5k | 34.08 | 55.92 | -21.84 | 19.48 | Line | - | 14.60 | 9.60 | 0.01 | 9.87 |
| QP | 430.682k | 38.50 | 57.24 | -18.74 | 19.48 | Line | - | 19.02 | 9.59 | 0.01 | 9.88 |
| AV | 430.682k | 35.63 | 47.24 | -11.61 | 19.48 | Line | - | 16.15 | 9.59 | 0.01 | 9.88 |
| QP | 515.159k | 36.71 | 56.00 | -19.29 | 19.48 | Line | - | 17.23 | 9.59 | 0.01 | 9.88 |
| AV | 515.159k | 34.71 | 46.00 | -11.29 | 19.48 | Line | "Worst" | 15.23 | 9.59 | 0.01 | 9.88 |
| QP | 1.034M | 29.05 | 56.00 | -26.95 | 19.50 | Line | - | 9.55 | 9.60 | 0.02 | 9.88 |
| AV | 1.034M | 25.41 | 46.00 | -20.59 | 19.50 | Line | - | 5.91 | 9.60 | 0.02 | 9.88 |
| QP | 1.494M | 24.53 | 56.00 | -31.47 | 19.53 | Line | - | 5.00 | 9.61 | 0.03 | 9.89 |
| AV | 1.494M | 21.89 | 46.00 | -24.11 | 19.53 | Line | - | 2.36 | 9.61 | 0.03 | 9.89 |
| QP | 3.378M | 18.33 | 56.00 | -37.67 | 19.56 | Line | - | -1.23 | 9.63 | 0.04 | 9.89 |
| AV | 3.378M | 15.68 | 46.00 | -30.32 | 19.56 | Line | - | -3.88 | 9.63 | 0.04 | 9.89 |

| AC Power-line Conducted Emissions Result | | | |
|---|---|---|---|
| **Operating Mode** | 1 | **Power Phase** | Neutral |
| **Operating Function** | Switching Power Supply mode_Beamforming | | |

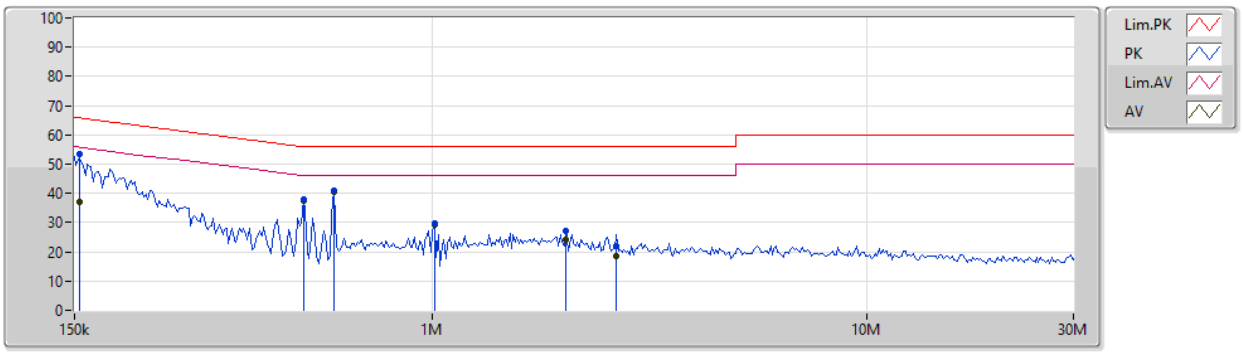
20/09/2019




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 151.5k | 53.00 | 65.92 | -12.92 | 19.48 | Neutral | - | 33.52 | 9.60 | 0.01 | 9.87 |
| AV | 151.5k | 36.55 | 55.92 | -19.37 | 19.48 | Neutral | - | 17.07 | 9.60 | 0.01 | 9.87 |
| QP | 505.009k | 37.53 | 56.00 | -18.47 | 19.48 | Neutral | - | 18.05 | 9.59 | 0.01 | 9.88 |
| AV | 505.009k | 37.39 | 46.00 | -8.61 | 19.48 | Neutral | - | 17.91 | 9.59 | 0.01 | 9.88 |
| QP | 592.162k | 40.89 | 56.00 | -15.11 | 19.48 | Neutral | - | 21.41 | 9.59 | 0.01 | 9.88 |
| AV | 592.162k | 40.22 | 46.00 | -5.78 | 19.48 | Neutral | "Worst" | 20.74 | 9.59 | 0.01 | 9.88 |
| QP | 1.013M | 29.41 | 56.00 | -26.59 | 19.49 | Neutral | - | 9.92 | 9.59 | 0.02 | 9.88 |
| AV | 1.013M | 28.75 | 46.00 | -17.25 | 19.49 | Neutral | - | 9.26 | 9.59 | 0.02 | 9.88 |
| QP | 2.034M | 27.71 | 56.00 | -28.29 | 19.53 | Neutral | - | 8.18 | 9.61 | 0.03 | 9.89 |
| AV | 2.034M | 24.18 | 46.00 | -21.82 | 19.53 | Neutral | - | 4.65 | 9.61 | 0.03 | 9.89 |
| QP | 3.028M | 24.43 | 56.00 | -31.57 | 19.54 | Neutral | - | 4.89 | 9.61 | 0.04 | 9.89 |
| AV | 3.028M | 20.58 | 46.00 | -25.42 | 19.54 | Neutral | - | 1.04 | 9.61 | 0.04 | 9.89 |

| AC Power-line Conducted Emissions Result | | | |
|---|---|---|---|
| **Operating Mode** | 1 | **Power Phase** | Line |
| **Operating Function** | Switching Power Supply mode_Beamforming | | |

20/09/2019




| Type | Freq | Level | Limit | Margin | Factor | Condition | Comment | Raw | LISN | CL | AT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV) | (dBuV) | (dB) | (dB) | | | (dBuV) | (dB) | (dB) | (dB) |
| QP | 154.545k | 53.47 | 65.75 | -12.28 | 19.48 | Line | - | 33.99 | 9.60 | 0.01 | 9.87 |
| AV | 154.545k | 36.91 | 55.75 | -18.84 | 19.48 | Line | - | 17.43 | 9.60 | 0.01 | 9.87 |
| QP | 505.009k | 37.76 | 56.00 | -18.24 | 19.48 | Line | - | 18.28 | 9.59 | 0.01 | 9.88 |
| AV | 505.009k | 37.30 | 46.00 | -8.70 | 19.48 | Line | - | 17.82 | 9.59 | 0.01 | 9.88 |
| QP | 592.162k | 40.96 | 56.00 | -15.04 | 19.48 | Line | - | 21.48 | 9.59 | 0.01 | 9.88 |
| AV | 592.162k | 40.41 | 46.00 | -5.59 | 19.48 | Line | "Worst" | 20.93 | 9.59 | 0.01 | 9.88 |
| QP | 1.013M | 29.89 | 56.00 | -26.11 | 19.50 | Line | - | 10.39 | 9.60 | 0.02 | 9.88 |
| AV | 1.013M | 29.29 | 46.00 | -16.71 | 19.50 | Line | - | 9.79 | 9.60 | 0.02 | 9.88 |
| QP | 2.034M | 27.09 | 56.00 | -28.91 | 19.54 | Line | - | 7.55 | 9.62 | 0.03 | 9.89 |
| AV | 2.034M | 24.16 | 46.00 | -21.84 | 19.54 | Line | - | 4.62 | 9.62 | 0.03 | 9.89 |
| QP | 2.661M | 21.99 | 56.00 | -34.01 | 19.55 | Line | - | 2.44 | 9.62 | 0.04 | 9.89 |
| AV | 2.661M | 18.63 | 46.00 | -27.37 | 19.55 | Line | - | -0.92 | 9.62 | 0.04 | 9.89 |

**Summary**

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---|---|---|---|---|---|
| 5.15-5.25GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 35.64M | 16.702M | 16M7D1D | 29.46M | 16.552M |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | 40.05M | 18.081M | 18M1D1D | 25.14M | 17.601M |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | 77.76M | 36.762M | 36M8D1D | 39.96M | 36.042M |
| 802.11ac VHT80_Nss1,(MCS0)_2TX | 83.64M | 75.802M | 75M8D1D | 83.16M | 75.802M |
| 5.725-5.85GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 16.29M | 21.589M | 21M6D1D | 15.45M | 16.372M |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 17.64M | 19.01M | 19M0D1D | 15.33M | 17.541M |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 36.3M | 55.352M | 55M4D1D | 32.52M | 36.342M |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 76.32M | 76.042M | 76M0D1D | 75.12M | 75.802M |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
**Max-OBW** = Maximum99% occupied bandwidth;
**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
**Min-OBW** = Minimum 99% occupied bandwidth;

**Result**

| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz_TnomVnom | Pass | Inf | 31.65M | 16.552M | 29.46M | 16.552M | | | | |
| 5200MHz_TnomVnom | Pass | Inf | 35.64M | 16.702M | 32.7M | 16.642M | | | | |
| 5240MHz_TnomVnom | Pass | Inf | 35.52M | 16.672M | 32.37M | 16.642M | | | | |
| 802.11a_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5745MHz_TnomVnom | Pass | 500k | 16.29M | 19.91M | 16.29M | 21.589M | 15.45M | 17.571M | 16.26M | 18.051M |
| 5785MHz_TnomVnom | Pass | 500k | 16.29M | 16.432M | 16.02M | 16.432M | 15.69M | 16.372M | 15.51M | 16.372M |
| 5825MHz_TnomVnom | Pass | 500k | 16.26M | 17.211M | 16.02M | 16.672M | 15.66M | 16.402M | 16.29M | 19.37M |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz_TnomVnom | Pass | Inf | 25.41M | 17.691M | 25.14M | 17.601M | | | | |
| 5200MHz_TnomVnom | Pass | Inf | 40.05M | 18.051M | 38.01M | 17.841M | | | | |
| 5240MHz_TnomVnom | Pass | Inf | 38.94M | 18.081M | 37.98M | 17.871M | | | | |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5745MHz_TnomVnom | Pass | 500k | 17.55M | 18.441M | 17.55M | 19.01M | 17.55M | 17.811M | 16.53M | 17.901M |
| 5785MHz_TnomVnom | Pass | 500k | 17.28M | 17.601M | 17.64M | 17.601M | 15.87M | 17.541M | 17.55M | 17.571M |
| 5825MHz_TnomVnom | Pass | 500k | 17.55M | 17.631M | 15.66M | 17.541M | 15.33M | 17.571M | 16.29M | 17.631M |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5190MHz_TnomVnom | Pass | Inf | 39.96M | 36.042M | 40.32M | 36.042M | | | | |
| 5230MHz_TnomVnom | Pass | Inf | 77.76M | 36.762M | 77.28M | 36.462M | | | | |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5755MHz_TnomVnom | Pass | 500k | 35.28M | 36.402M | 35.04M | 36.402M | 36.3M | 36.342M | 33.72M | 36.402M |
| 5795MHz_TnomVnom | Pass | 500k | 32.52M | 38.621M | 34.92M | 43.358M | 35.04M | 36.342M | 36.3M | 55.352M |
| 802.11ac VHT80_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5210MHz_TnomVnom | Pass | Inf | 83.64M | 75.802M | 83.16M | 75.802M | | | | |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5775MHz_TnomVnom | Pass | 500k | 75.6M | 75.922M | 75.6M | 75.802M | 75.12M | 75.922M | 76.32M | 76.042M |

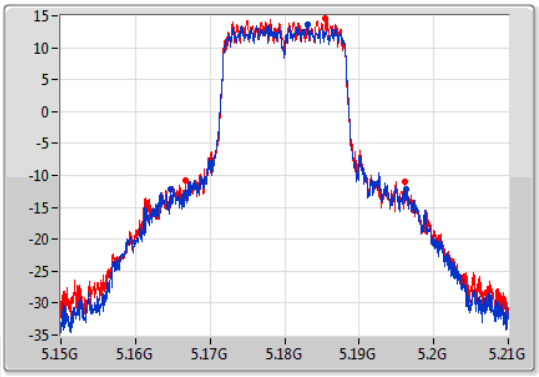
**Port X-N dB** = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
**Port X-OBW** = Port **X** 99% occupied bandwidth;

## 802.11a_Nss1,(6Mbps)_2TX EBW

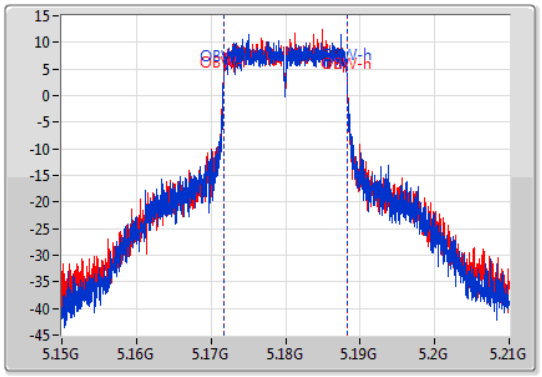
### 5180MHz

04/09/2019

| | |
|---|---|
| CF | 5.18GHz |
| Span | 60MHz |
| RBW | 300kHz |
| VBW | 1MHz |
| Sweep Time | 100ms |
| Detector Type | Peak |




| | |
|---|---|
| CF | 5.18GHz |
| Span | 60MHz |
| RBW | 200kHz |
| VBW | 1MHz |
| Sweep Time | 100ms |
| Detector Type | Sample |




Port 1
Port 2

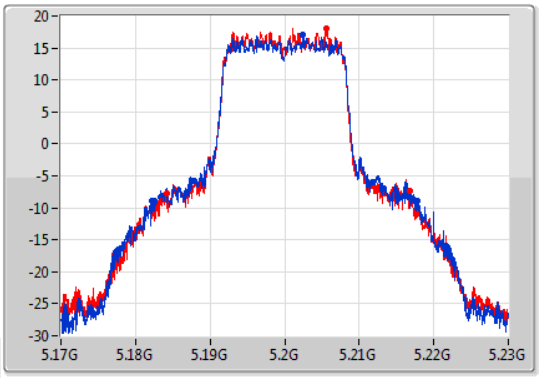
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 31.65M | 5.16467G | 5.19632G | 16.552M | 5.171694G | 5.188246G | Inf | 1 |
| 29.46M | 5.16674G | 5.1962G | 16.552M | 5.171664G | 5.188216G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

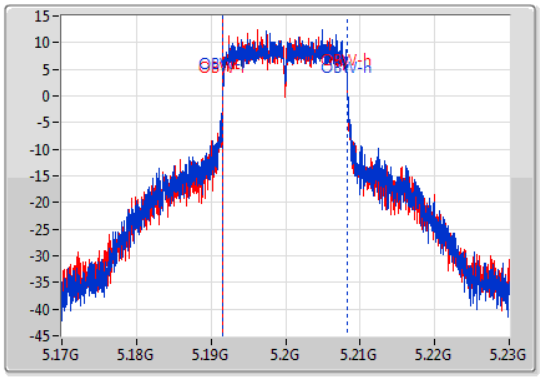
### 5200MHz

04/09/2019

| | |
|---|---|
| CF | 5.2GHz |
| Span | 60MHz |
| RBW | 500kHz |
| VBW | 2MHz |
| Sweep Time | 100ms |
| Detector Type | Peak |




| | |
|---|---|
| CF | 5.2GHz |
| Span | 60MHz |
| RBW | 200kHz |
| VBW | 1MHz |
| Sweep Time | 100ms |
| Detector Type | Sample |



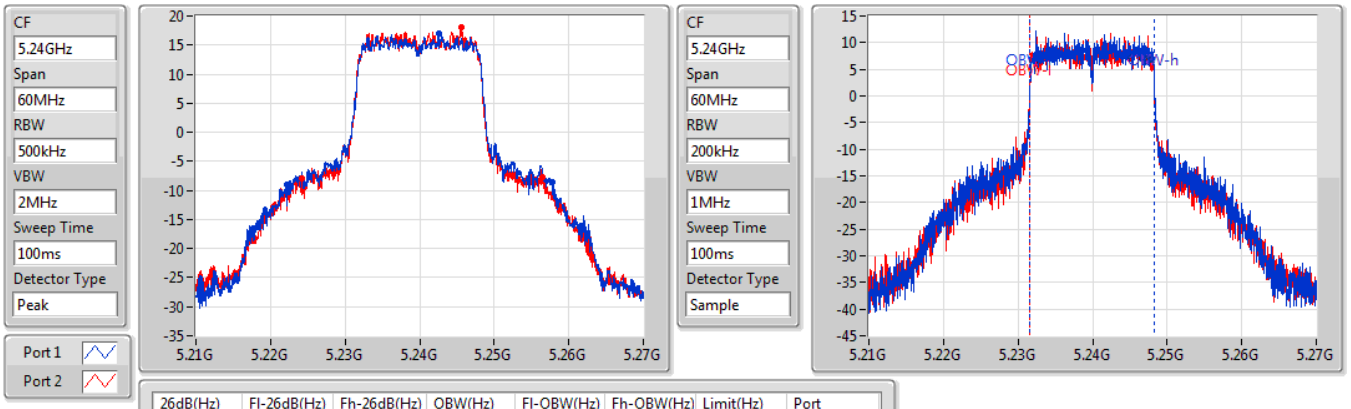

Port 1
Port 2

| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 35.64M | 5.18221G | 5.21785G | 16.702M | 5.191604G | 5.208306G | Inf | 1 |
| 32.7M | 5.18413G | 5.21683G | 16.642M | 5.191634G | 5.208276G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

## 5240MHz

04/09/2019

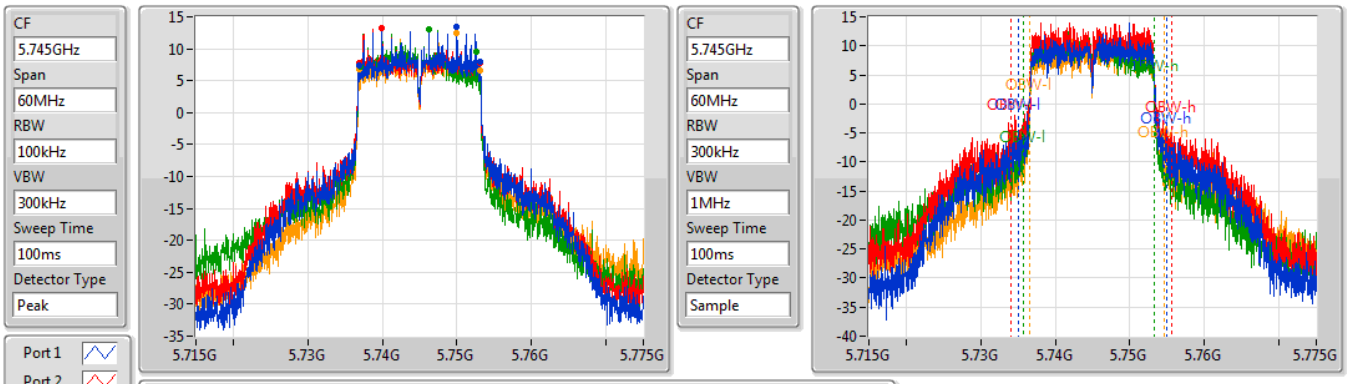



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 35.52M | 5.22221G | 5.25773G | 16.672M | 5.231634G | 5.248306G | Inf | 1 |
| 32.37M | 5.22416G | 5.25653G | 16.642M | 5.231604G | 5.248246G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

## 5745MHz

05/09/2019

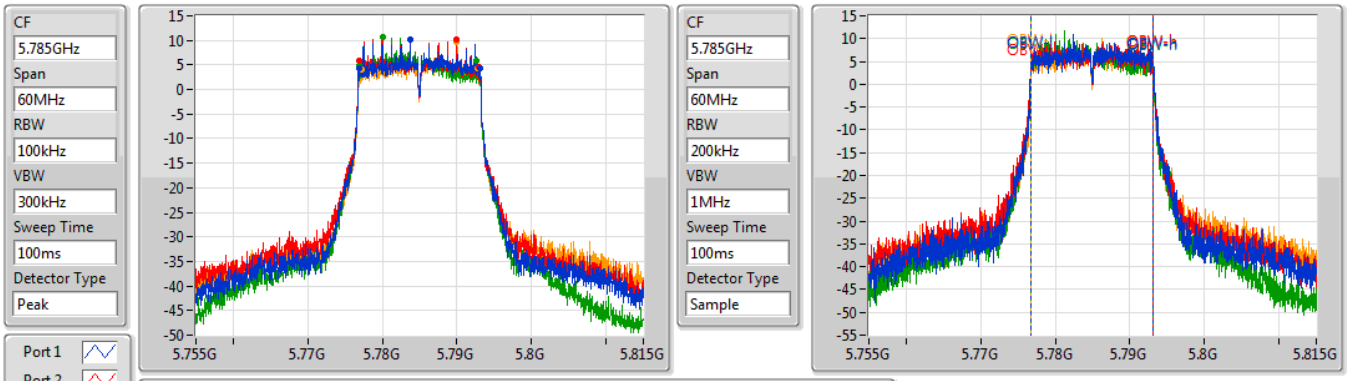



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.29M | 5.73684G | 5.75313G | 19.91M | 5.734985G | 5.754895G | 500k | 1 |
| 16.29M | 5.73684G | 5.75313G | 21.589M | 5.734085G | 5.755675G | 500k | 2 |
| 15.45M | 5.73708G | 5.75253G | 17.571M | 5.735705G | 5.753276G | 500k | 3 |
| 16.26M | 5.73687G | 5.75313G | 18.051M | 5.736574G | 5.754625G | 500k | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5785MHz

05/09/2019

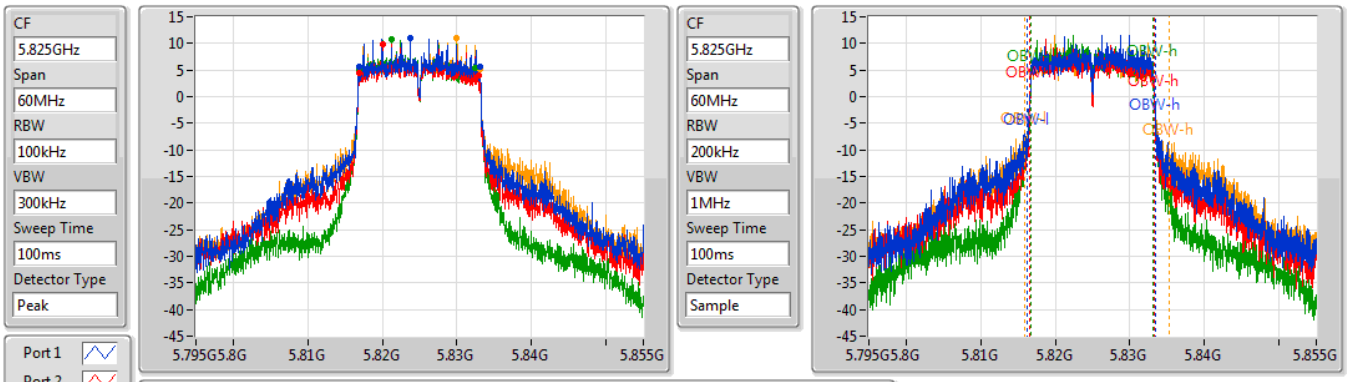



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.29M | 5.77684G | 5.79313G | 16.432M | 5.776754G | 5.793186G | 500k | 1 |
| 16.02M | 5.77684G | 5.79286G | 16.432M | 5.776724G | 5.793156G | 500k | 2 |
| 15.69M | 5.77684G | 5.79253G | 16.372M | 5.776754G | 5.793126G | 500k | 3 |
| 15.51M | 5.77723G | 5.79274G | 16.372M | 5.776784G | 5.793156G | 500k | 4 |

## 802.11a_Nss1,(6Mbps)_4TX EBW

### 5825MHz

12/09/2019

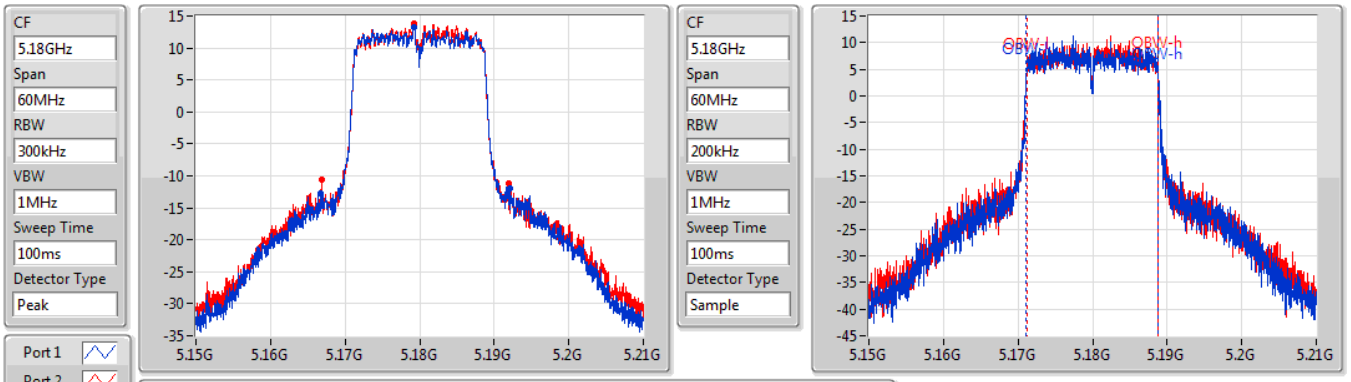



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.26M | 5.81684G | 5.8331G | 17.211M | 5.816274G | 5.833486G | 500k | 1 |
| 16.02M | 5.81684G | 5.83286G | 16.672M | 5.816604G | 5.833276G | 500k | 2 |
| 15.66M | 5.81684G | 5.8325G | 16.402M | 5.816754G | 5.833156G | 500k | 3 |
| 16.29M | 5.81684G | 5.83313G | 19.37M | 5.815975G | 5.835345G | 500k | 4 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX EBW

### 5180MHz

04/09/2019

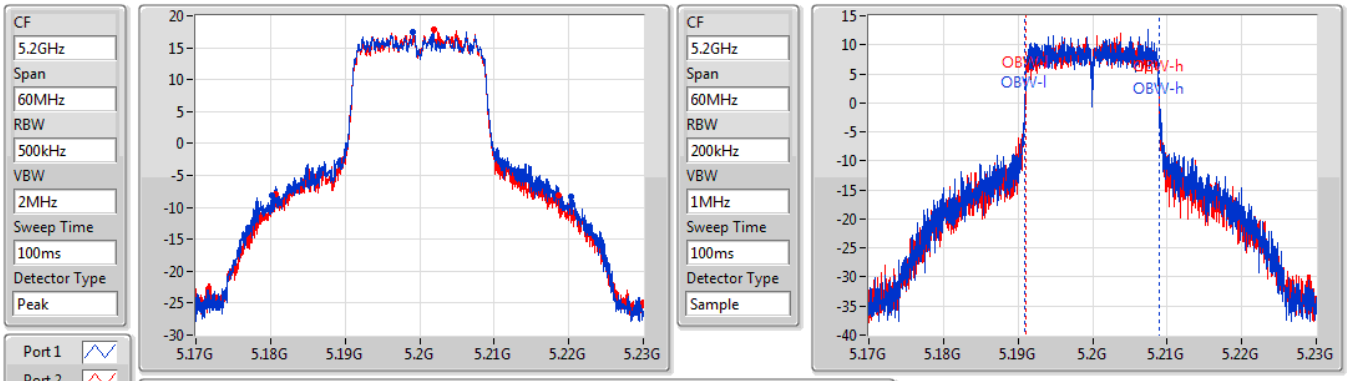



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 25.41M | 5.16674G | 5.19215G | 17.691M | 5.171124G | 5.188816G | Inf | 1 |
| 25.14M | 5.16683G | 5.19197G | 17.601M | 5.171154G | 5.188756G | Inf | 2 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX EBW

### 5200MHz

04/09/2019

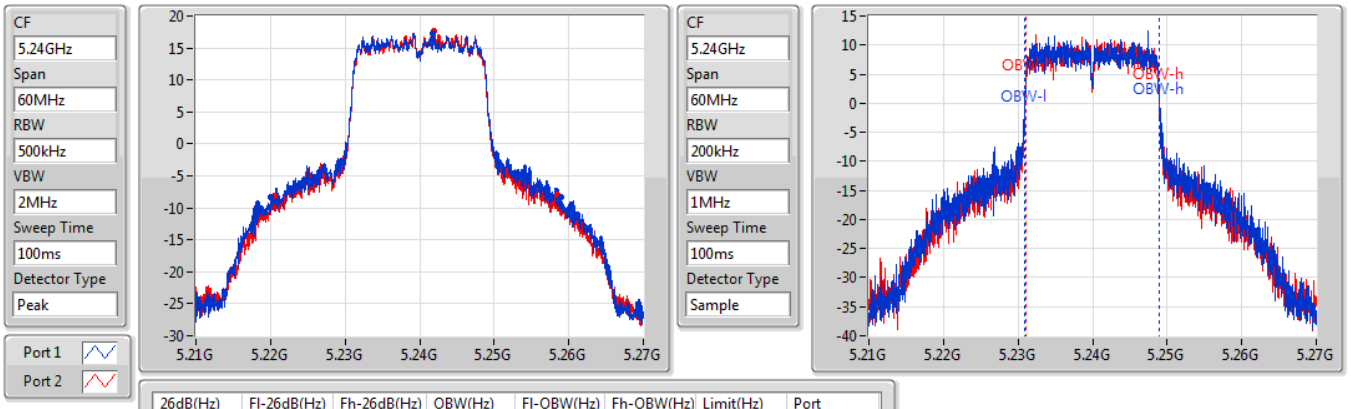



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.05M | 5.1802G | 5.22025G | 18.051M | 5.190915G | 5.208966G | Inf | 1 |
| 38.01M | 5.18068G | 5.21869G | 17.841M | 5.191034G | 5.208876G | Inf | 2 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX EBW

### 5240MHz

04/09/2019

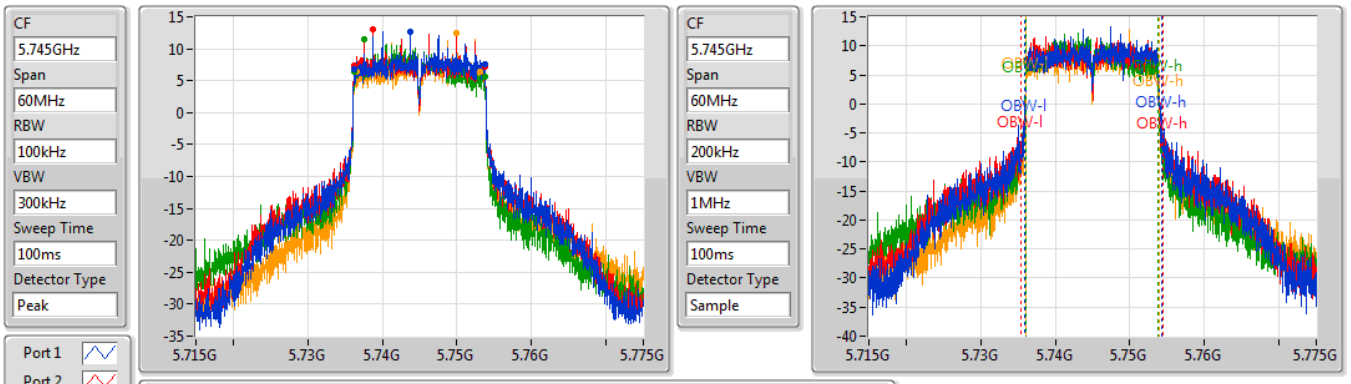



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 38.94M | 5.22008G | 5.25902G | 18.081M | 5.230885G | 5.248966G | Inf | 1 |
| 37.98M | 5.2205G | 5.25848G | 17.871M | 5.231004G | 5.248876G | Inf | 2 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX EBW

### 5745MHz

05/09/2019

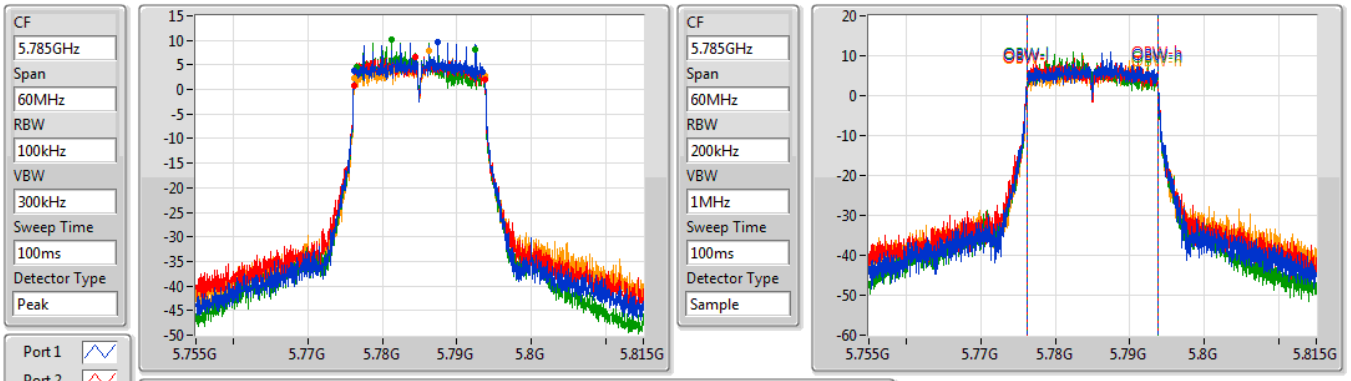



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 17.55M | 5.73621G | 5.75376G | 18.441M | 5.735825G | 5.754265G | 500k | 1 |
| 17.55M | 5.73621G | 5.75376G | 19.01M | 5.735375G | 5.754385G | 500k | 2 |
| 17.55M | 5.73621G | 5.75376G | 17.811M | 5.736004G | 5.753816G | 500k | 3 |
| 16.53M | 5.7366G | 5.75313G | 17.901M | 5.736094G | 5.753996G | 500k | 4 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX EBW

### 5785MHz

05/09/2019

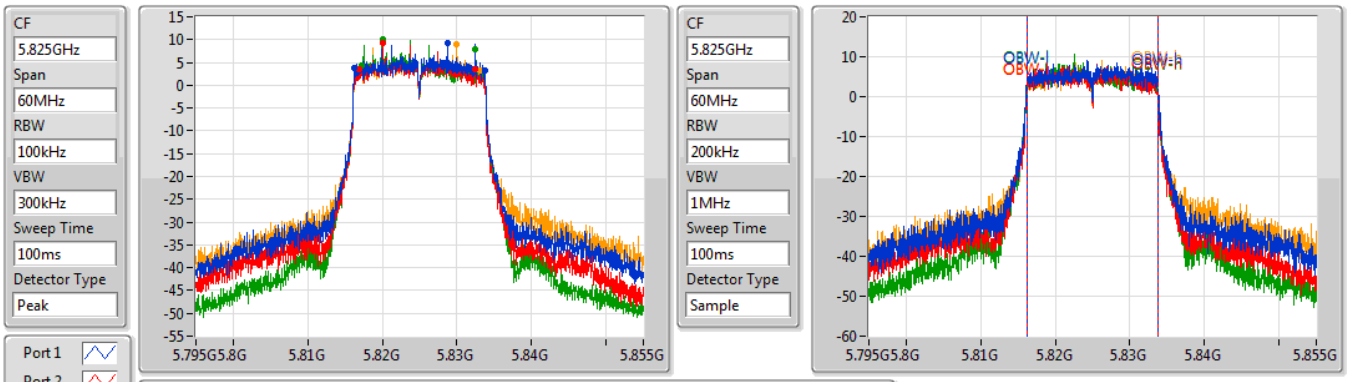



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 17.28M | 5.77621G | 5.79349G | 17.601M | 5.776184G | 5.793786G | 500k | 1 |
| 17.64M | 5.77615G | 5.79379G | 17.601M | 5.776154G | 5.793756G | 500k | 2 |
| 15.87M | 5.77663G | 5.7925G | 17.541M | 5.776184G | 5.793726G | 500k | 3 |
| 17.55M | 5.77621G | 5.79376G | 17.571M | 5.776184G | 5.793756G | 500k | 4 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX EBW

### 5825MHz

05/09/2019

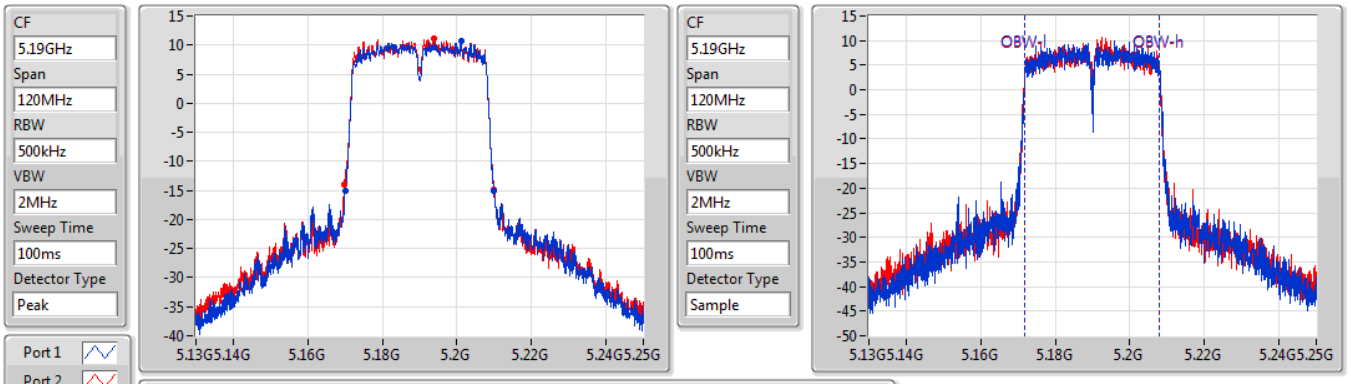



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 17.55M | 5.81621G | 5.83376G | 17.631M | 5.816154G | 5.833786G | 500k | 1 |
| 15.66M | 5.81684G | 5.8325G | 17.541M | 5.816184G | 5.833726G | 500k | 2 |
| 15.33M | 5.81717G | 5.8325G | 17.571M | 5.816184G | 5.833756G | 500k | 3 |
| 16.29M | 5.81684G | 5.83313G | 17.631M | 5.816154G | 5.833786G | 500k | 4 |

## 802.11ac VHT40_Nss1,(MCS0)_2TX EBW

### 5190MHz

04/09/2019

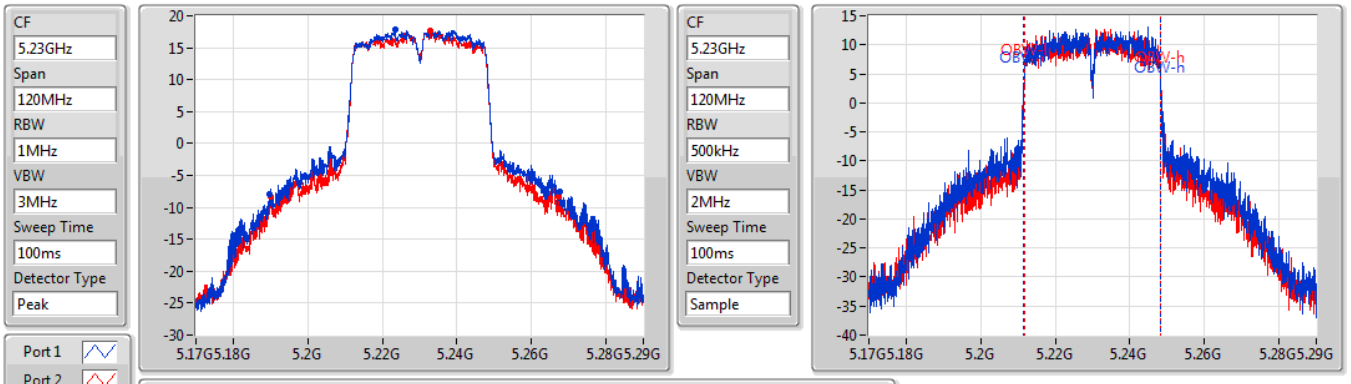



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 39.96M | 5.16996G | 5.20992G | 36.042M | 5.171949G | 5.207991G | Inf | 1 |
| 40.32M | 5.16972G | 5.21004G | 36.042M | 5.171889G | 5.207931G | Inf | 2 |

## 802.11ac VHT40_Nss1,(MCS0)_2TX EBW

### 5230MHz

04/09/2019

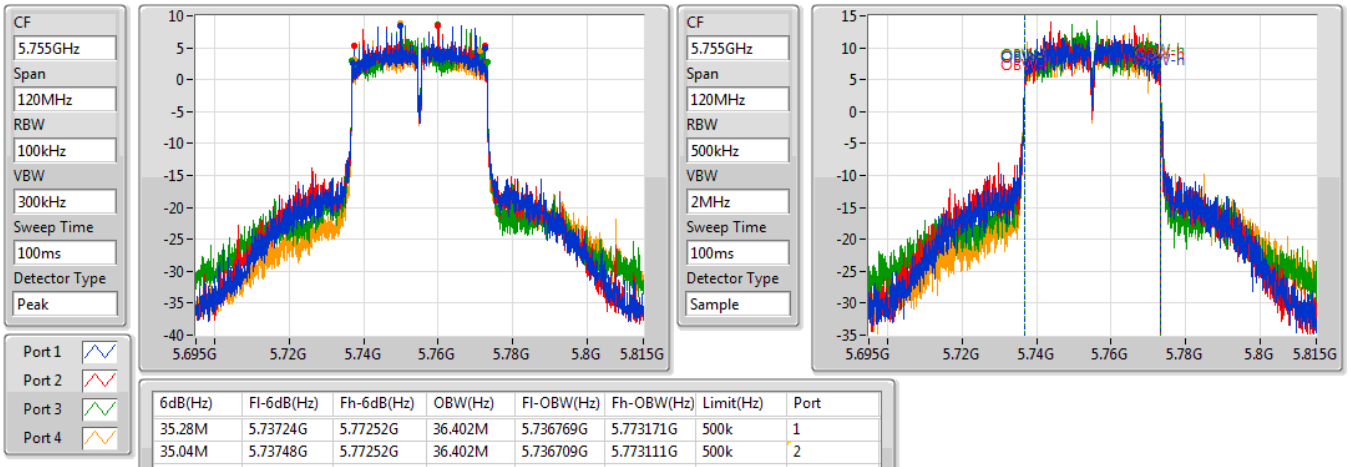



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 77.76M | 5.18968G | 5.26744G | 36.762M | 5.211589G | 5.248351G | Inf | 1 |
| 77.28M | 5.19004G | 5.26732G | 36.462M | 5.211709G | 5.248171G | Inf | 2 |

## 802.11ac VHT40_Nss1,(MCS0)_4TX EBW

### 5755MHz

05/09/2019

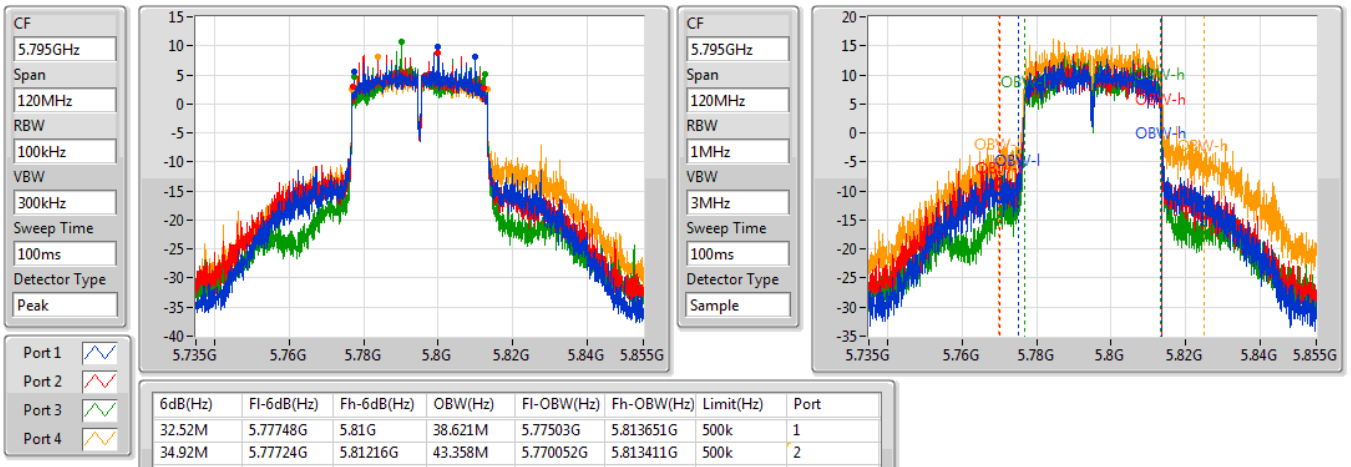



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 35.28M | 5.73724G | 5.77252G | 36.402M | 5.736769G | 5.773171G | 500k | 1 |
| 35.04M | 5.73748G | 5.77252G | 36.402M | 5.736709G | 5.773111G | 500k | 2 |
| 36.3M | 5.73682G | 5.77312G | 36.342M | 5.736829G | 5.773171G | 500k | 3 |
| 33.72M | 5.73748G | 5.7712G | 36.402M | 5.736829G | 5.773231G | 500k | 4 |

## 802.11ac VHT40_Nss1,(MCS0)_4TX EBW

### 5795MHz

05/09/2019

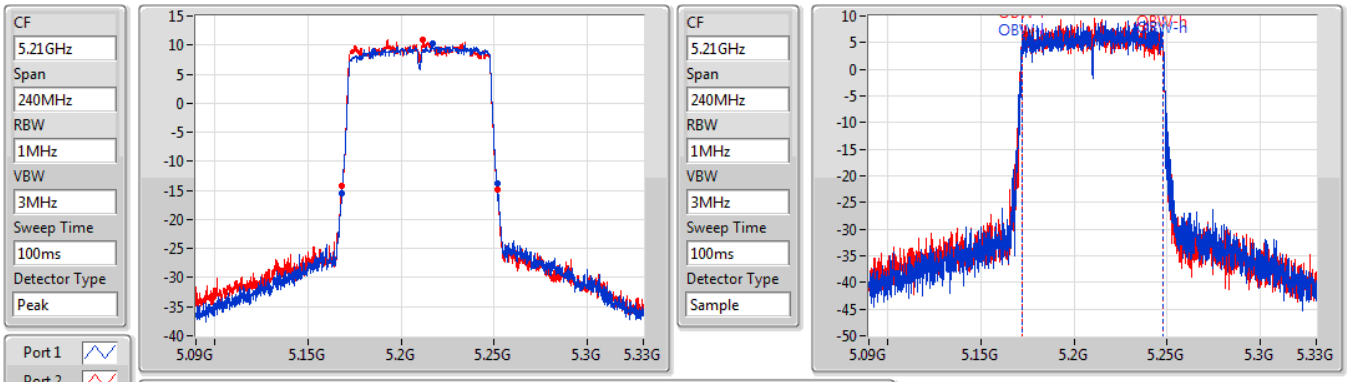



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 32.52M | 5.77748G | 5.81G | 38.621M | 5.77503G | 5.813651G | 500k | 1 |
| 34.92M | 5.77724G | 5.81216G | 43.358M | 5.770052G | 5.813411G | 500k | 2 |
| 35.04M | 5.77742G | 5.81246G | 36.342M | 5.776829G | 5.813171G | 500k | 3 |
| 36.3M | 5.77682G | 5.81312G | 55.352M | 5.769693G | 5.825045G | 500k | 4 |

## 802.11ac VHT80_Nss1,(MCS0)_2TX EBW

### 5210MHz

04/09/2019

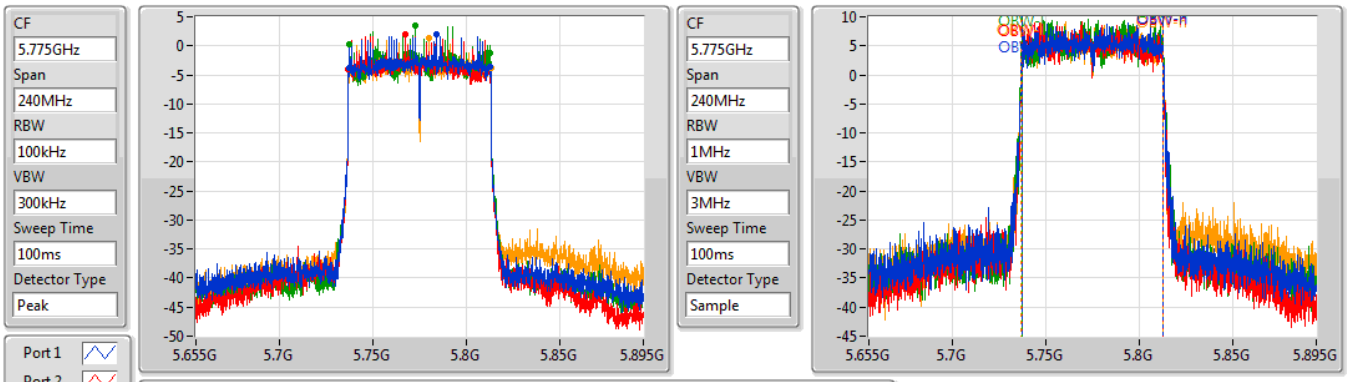



| 26dB(Hz) | fl-26dB(Hz) | fh-26dB(Hz) | OBW(Hz) | fl-OBW(Hz) | fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 83.64M | 5.16824G | 5.25188G | 75.802M | 5.172099G | 5.247901G | Inf | 1 |
| 83.16M | 5.16848G | 5.25164G | 75.802M | 5.171979G | 5.247781G | Inf | 2 |

## 802.11ac VHT80_Nss1,(MCS0)_4TX EBW

### 5775MHz

05/09/2019




| 6dB(Hz) | fl-6dB(Hz) | fh-6dB(Hz) | OBW(Hz) | fl-OBW(Hz) | fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 75.6M | 5.7372G | 5.8128G | 75.922M | 5.736979G | 5.812901G | 500k | 1 |
| 75.6M | 5.73684G | 5.81244G | 75.802M | 5.736979G | 5.812781G | 500k | 2 |
| 75.12M | 5.73744G | 5.81256G | 75.922M | 5.736979G | 5.812901G | 500k | 3 |
| 76.32M | 5.73684G | 5.81316G | 76.042M | 5.736859G | 5.812901G | 500k | 4 |

## Summary

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---|---|---|---|---|---|
| 5.15-5.25GHz | - | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | 39.6M | 18.081M | 18M1D1D | 21.96M | 17.661M |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | 83.16M | 37.781M | 37M8D1D | 39.18M | 35.862M |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | 81.72M | 75.682M | 75M7D1D | 80.88M | 75.562M |
| 5.725-5.85GHz | - | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 17.55M | 20.6M | 20M6D1D | 16.56M | 17.751M |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 35.22M | 43.298M | 43M3D1D | 31.92M | 36.162M |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 75.84M | 75.922M | 75M9D1D | 70.08M | 75.562M |

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
**Max-OBW** = Maximum99% occupied bandwidth;
**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
**Min-OBW** = Minimum 99% occupied bandwidth;

**Result**

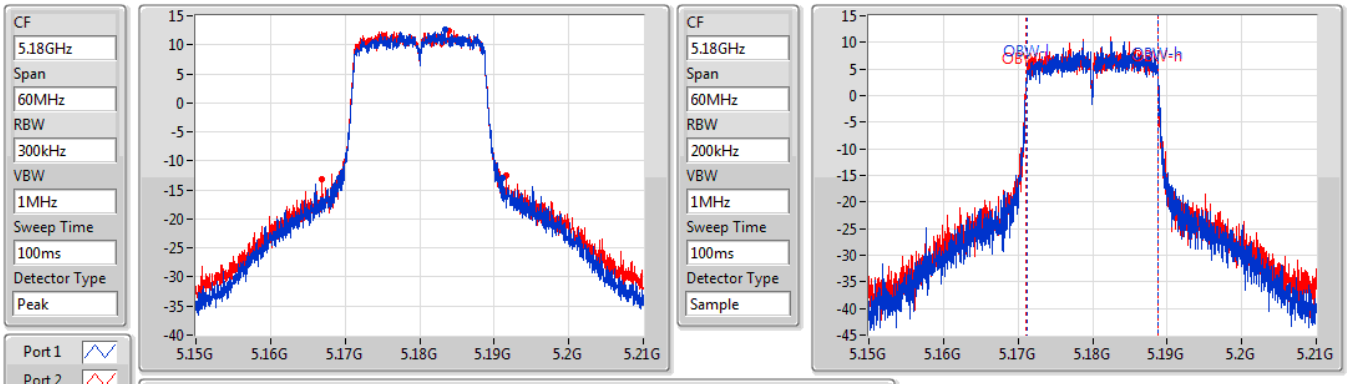
| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz | Pass | Inf | 21.96M | 17.661M | 24.75M | 17.661M | | | | |
| 5200MHz | Pass | Inf | 39.06M | 17.871M | 38.76M | 18.051M | | | | |
| 5240MHz | Pass | Inf | 36.06M | 17.841M | 39.6M | 18.081M | | | | |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5745MHz | Pass | 500k | 17.55M | 18.201M | 17.55M | 18.081M | 17.1M | 17.811M | 16.68M | 17.841M |
| 5785MHz | Pass | 500k | 17.55M | 18.471M | 17.25M | 18.471M | 16.8M | 17.811M | 17.34M | 17.751M |
| 5825MHz | Pass | 500k | 17.52M | 19.01M | 16.95M | 20.6M | 16.56M | 17.751M | 17.1M | 17.931M |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5190MHz | Pass | Inf | 39.18M | 35.862M | 39.3M | 35.922M | | | | |
| 5230MHz | Pass | Inf | 79.5M | 36.582M | 83.16M | 37.781M | | | | |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5755MHz | Pass | 500k | 35.22M | 37.241M | 34.86M | 37.061M | 33.84M | 36.702M | 31.92M | 36.162M |
| 5795MHz | Pass | 500k | 34.8M | 43.298M | 35.04M | 38.801M | 33.66M | 36.582M | 34.2M | 36.162M |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5210MHz | Pass | Inf | 80.88M | 75.682M | 81.72M | 75.562M | | | | |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5775MHz | Pass | 500k | 70.08M | 75.922M | 75.48M | 75.682M | 75.84M | 75.802M | 75.12M | 75.562M |

**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)_2TX EBW

### 5180MHz

17/09/2019

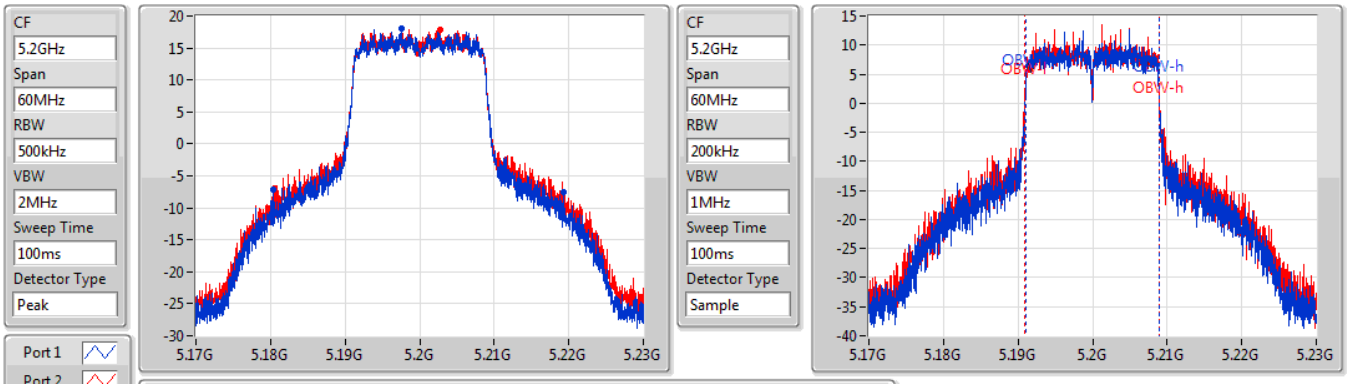



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 21.96M | 5.16914G | 5.1911G | 17.661M | 5.171154G | 5.188816G | Inf | 1 |
| 24.75M | 5.16683G | 5.19158G | 17.661M | 5.171124G | 5.188786G | Inf | 2 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

### 5200MHz

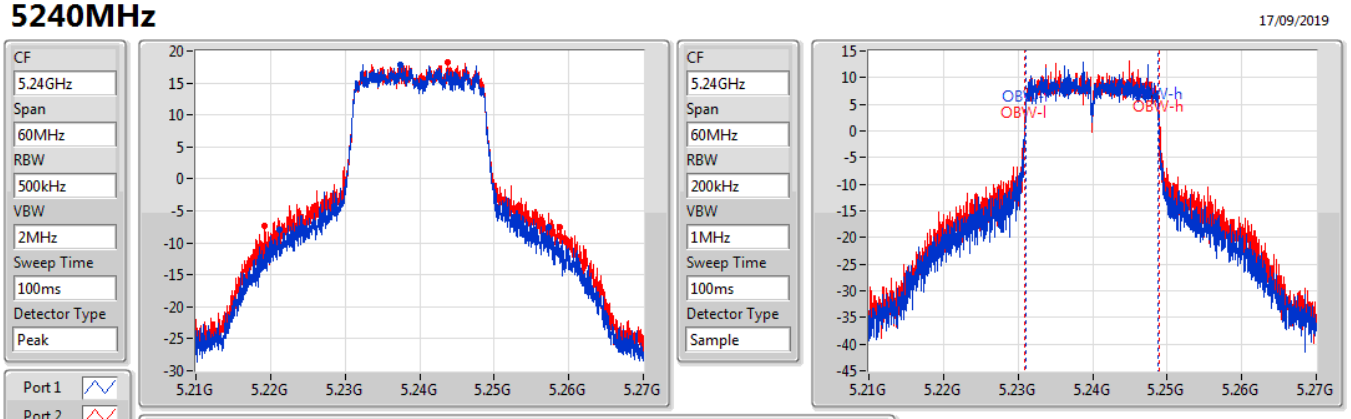
17/09/2019




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 39.06M | 5.18029G | 5.21935G | 17.871M | 5.191034G | 5.208906G | Inf | 1 |
| 38.76M | 5.18059G | 5.21935G | 18.051M | 5.190945G | 5.208996G | Inf | 2 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

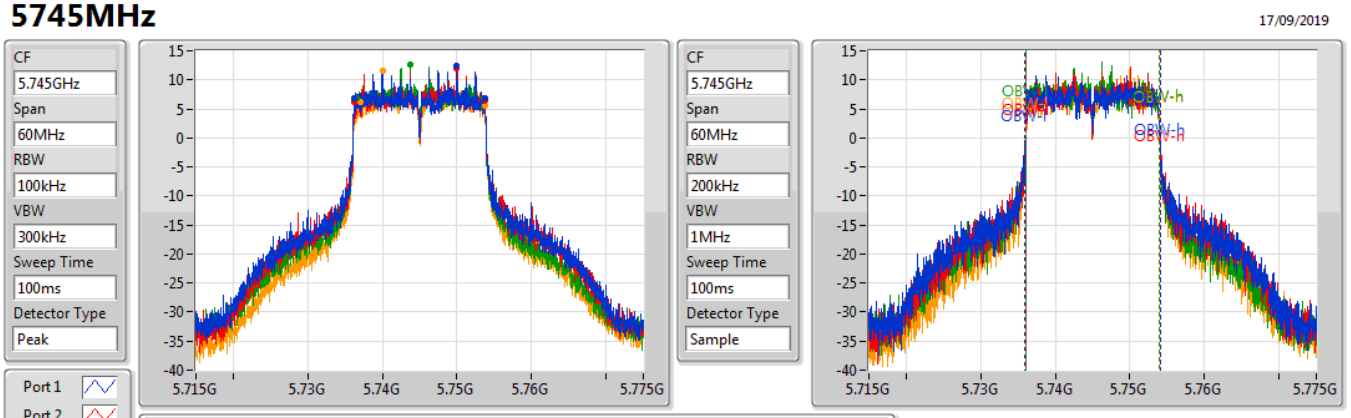
### 5240MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 36.06M | 5.22119G | 5.25725G | 17.841M | 5.231004G | 5.248846G | Inf | 1 |
| 39.6M | 5.21921G | 5.25881G | 18.081M | 5.230885G | 5.248966G | Inf | 2 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

### 5745MHz

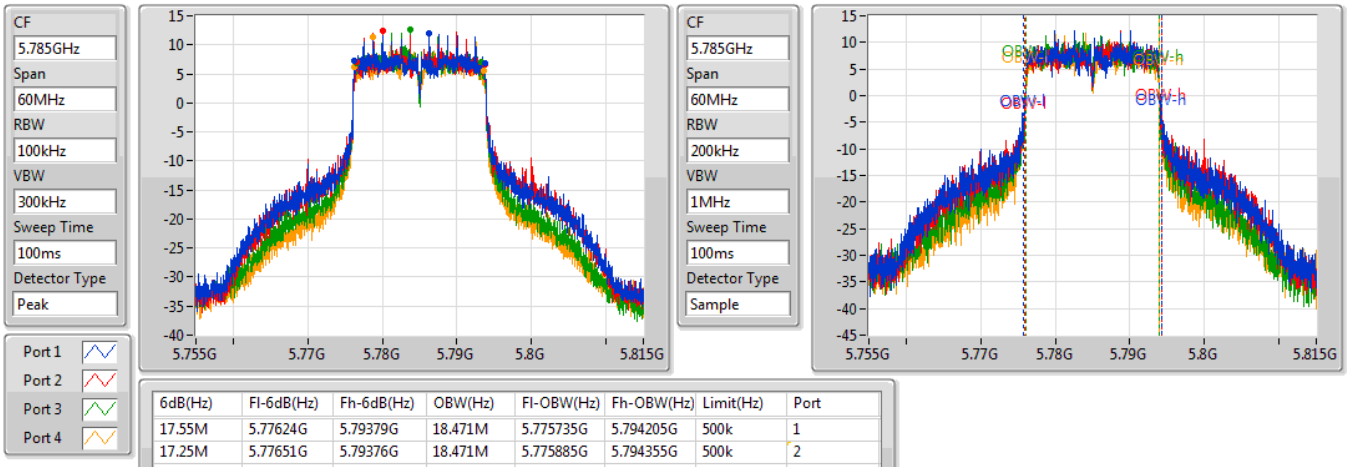



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 17.55M | 5.73624G | 5.75379G | 18.201M | 5.735915G | 5.754115G | 500k | 1 |
| 17.55M | 5.73624G | 5.75379G | 18.081M | 5.736034G | 5.754115G | 500k | 2 |
| 17.1M | 5.73651G | 5.75361G | 17.811M | 5.736094G | 5.753906G | 500k | 3 |
| 16.68M | 5.73708G | 5.75376G | 17.841M | 5.736094G | 5.753936G | 500k | 4 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

### 5785MHz

17/09/2019

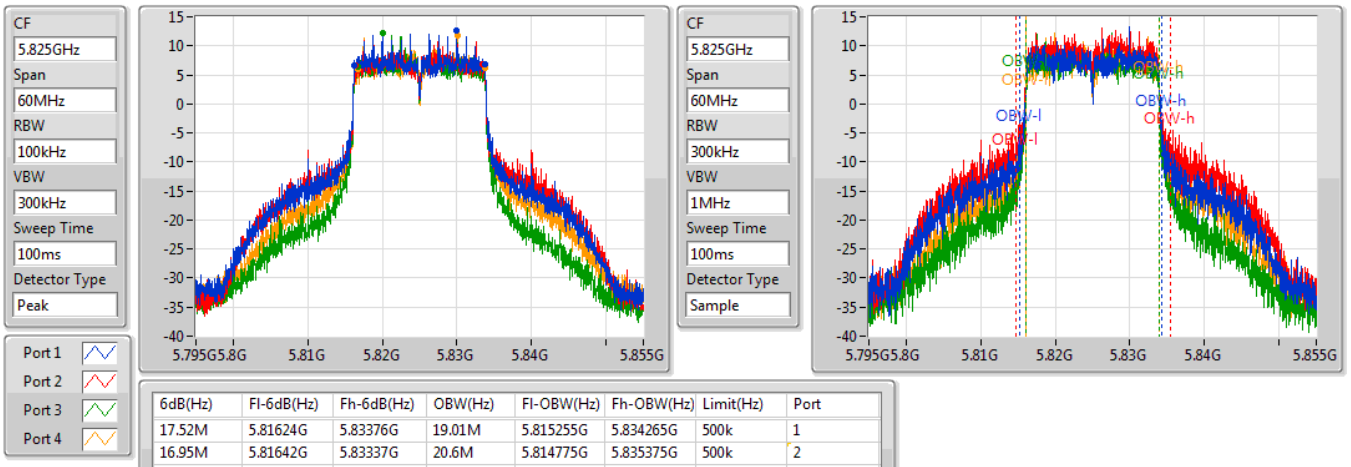



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 17.55M | 5.77624G | 5.79379G | 18.471M | 5.775735G | 5.794205G | 500k | 1 |
| 17.25M | 5.77651G | 5.79376G | 18.471M | 5.775885G | 5.794355G | 500k | 2 |
| 16.8M | 5.77654G | 5.79334G | 17.811M | 5.776094G | 5.793906G | 500k | 3 |
| 17.34M | 5.77627G | 5.79361G | 17.751M | 5.776124G | 5.793876G | 500k | 4 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

### 5825MHz

17/09/2019

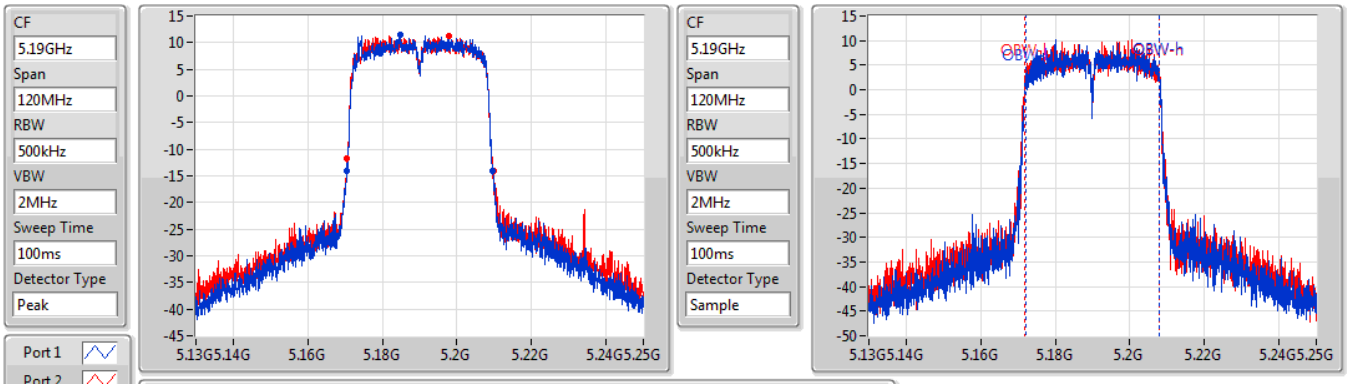



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 17.52M | 5.81624G | 5.83376G | 19.01M | 5.815255G | 5.834265G | 500k | 1 |
| 16.95M | 5.81642G | 5.83337G | 20.6M | 5.814775G | 5.835375G | 500k | 2 |
| 16.56M | 5.81681G | 5.83337G | 17.751M | 5.816124G | 5.833876G | 500k | 3 |
| 17.1M | 5.81672G | 5.83382G | 17.931M | 5.816064G | 5.833996G | 500k | 4 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

### 5190MHz

17/09/2019

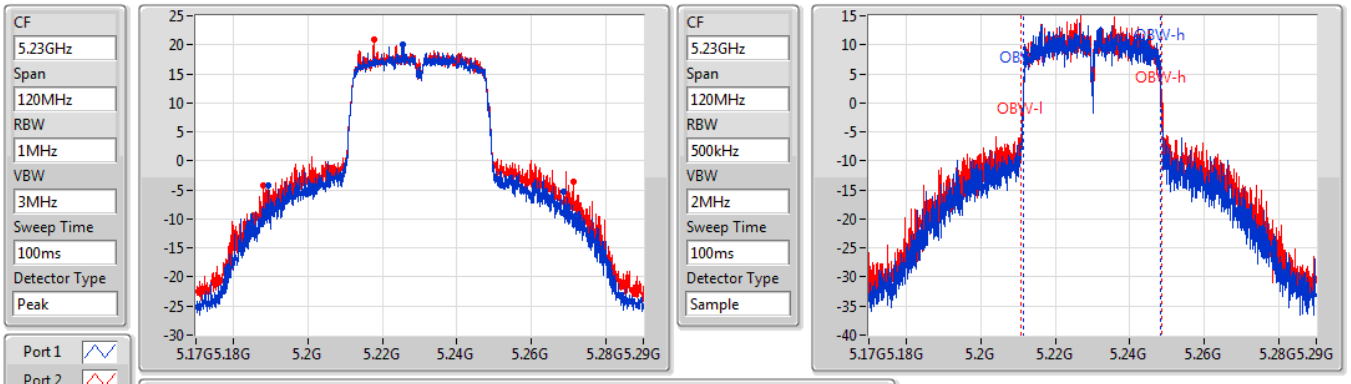



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 39.18M | 5.17044G | 5.20962G | 35.862M | 5.172069G | 5.207931G | Inf | 1 |
| 39.3M | 5.1705G | 5.2098G | 35.922M | 5.171949G | 5.207871G | Inf | 2 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

### 5230MHz

17/09/2019

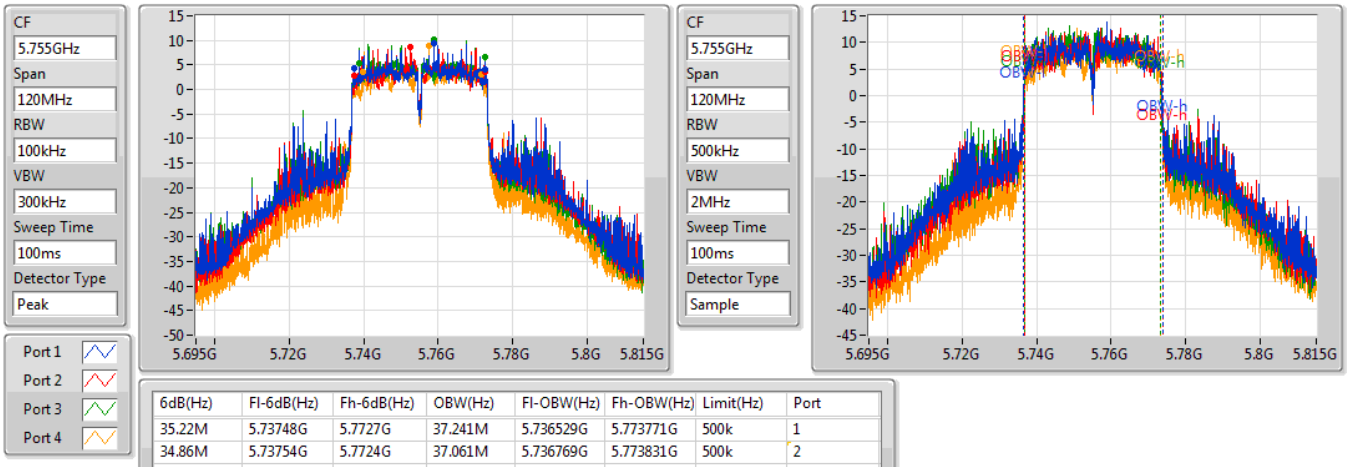



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 79.5M | 5.18926G | 5.26876G | 36.582M | 5.211589G | 5.248171G | Inf | 1 |
| 83.16M | 5.18806G | 5.27122G | 37.781M | 5.21093G | 5.248711G | Inf | 2 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

### 5755MHz

17/09/2019

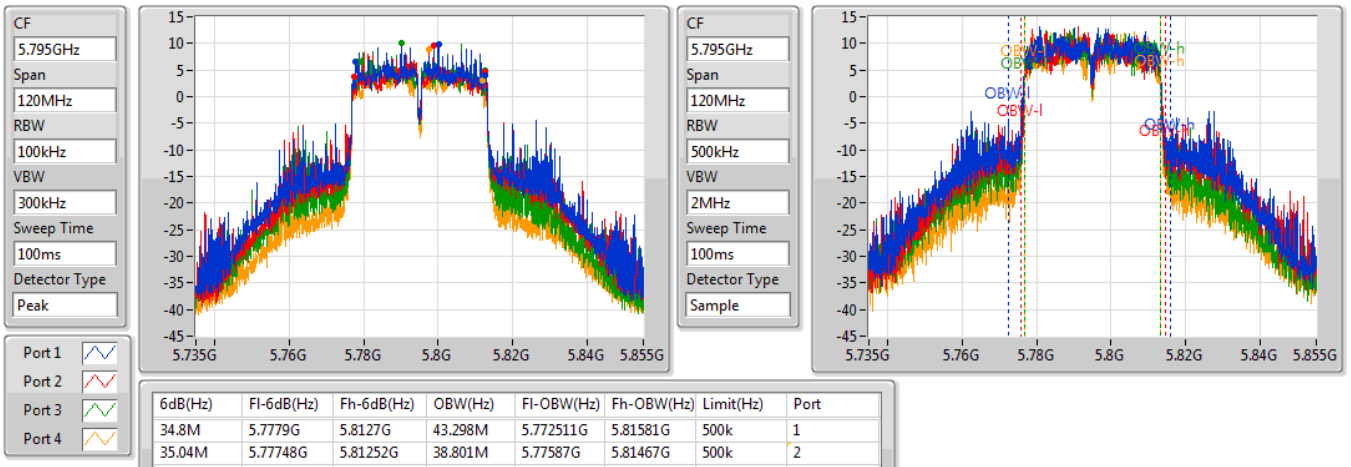



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 35.22M | 5.73748G | 5.7727G | 37.241M | 5.736529G | 5.773771G | 500k | 1 |
| 34.86M | 5.73754G | 5.7724G | 37.061M | 5.736769G | 5.773831G | 500k | 2 |
| 33.84M | 5.73868G | 5.77252G | 36.702M | 5.736649G | 5.773351G | 500k | 3 |
| 31.92M | 5.73964G | 5.77156G | 36.162M | 5.736949G | 5.773111G | 500k | 4 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

### 5795MHz

17/09/2019

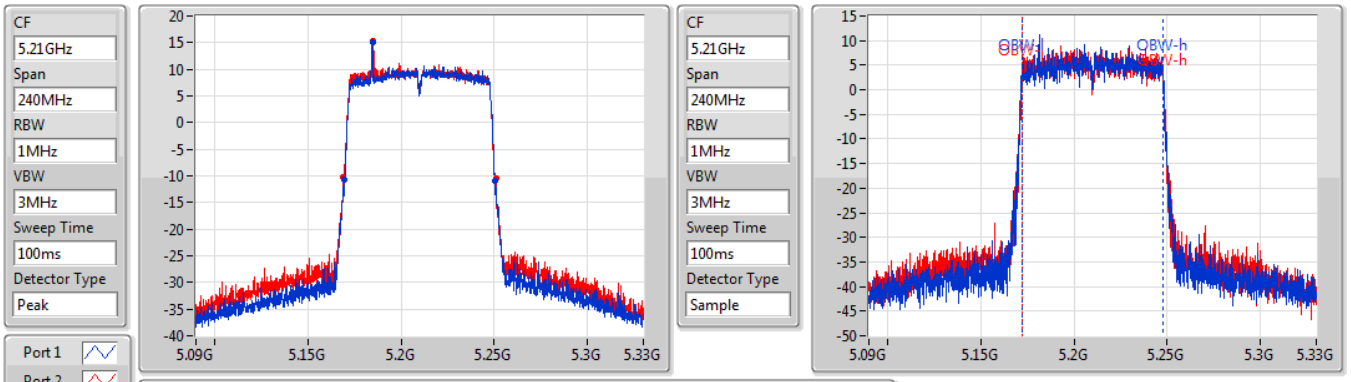



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 34.8M | 5.7779G | 5.8127G | 43.298M | 5.772511G | 5.81581G | 500k | 1 |
| 35.04M | 5.77748G | 5.81252G | 38.801M | 5.77587G | 5.81467G | 500k | 2 |
| 33.66M | 5.7788G | 5.81246G | 36.582M | 5.776649G | 5.813231G | 500k | 3 |
| 34.2M | 5.77754G | 5.81174G | 36.162M | 5.776889G | 5.813051G | 500k | 4 |

## 802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

### 5210MHz

17/09/2019

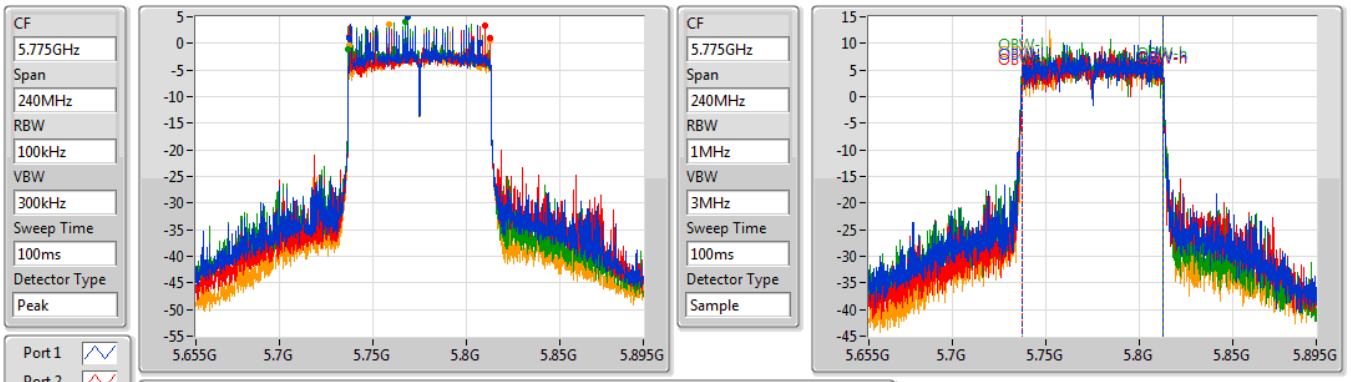



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 80.88M | 5.16956G | 5.25044G | 75.682M | 5.171979G | 5.247661G | Inf | 1 |
| 81.72M | 5.16908G | 5.2508G | 75.562M | 5.172099G | 5.247661G | Inf | 2 |

## 802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

### 5775MHz

17/09/2019




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 70.08M | 5.73744G | 5.80752G | 75.922M | 5.736979G | 5.812901G | 500k | 1 |
| 75.48M | 5.73708G | 5.81256G | 75.682M | 5.737219G | 5.812901G | 500k | 2 |
| 75.84M | 5.73672G | 5.81256G | 75.802M | 5.736979G | 5.812781G | 500k | 3 |
| 75.12M | 5.73744G | 5.81256G | 75.562M | 5.737339G | 5.812901G | 500k | 4 |

**Summary**

| Mode | Total Power (dBm) | Total Power (W) | EIRP (dBm) | EIRP (W) |
|---|---|---|---|---|
| 5.15-5.25GHz | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 25.78 | 0.37844 | 27.28 | 0.53456 |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | 26.20 | 0.41687 | 27.70 | 0.58884 |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | 26.27 | 0.42364 | 27.77 | 0.59841 |
| 802.11ac VHT80_Nss1,(MCS0)_2TX | 22.05 | 0.16032 | 23.55 | 0.22646 |
| 5.725-5.85GHz | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 28.84 | 0.76560 | 29.34 | 0.85901 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 28.96 | 0.78705 | 29.46 | 0.88308 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 28.37 | 0.68707 | 28.87 | 0.77090 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 24.61 | 0.28907 | 25.11 | 0.32434 |

**Result**

| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) | EIRP (dBm) | EIRP Limit (dBm) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz_TnomVnom | Pass | 1.50 | 22.17 | 22.54 | | | 25.37 | 30.00 | 26.87 | 36.00 |
| 5200MHz_TnomVnom | Pass | 1.50 | 22.78 | 22.76 | | | 25.78 | 30.00 | 27.28 | 36.00 |
| 5240MHz_TnomVnom | Pass | 1.50 | 22.63 | 22.48 | | | 25.57 | 30.00 | 27.07 | 36.00 |
| 5745MHz_TnomVnom | Pass | 0.50 | 22.94 | 23.09 | 22.5 | 22.72 | 28.84 | 30.00 | 29.34 | 36.00 |
| 5785MHz_TnomVnom | Pass | 0.50 | 20.28 | 20.43 | 20.44 | 19.69 | 26.24 | 30.00 | 26.74 | 36.00 |
| 5825MHz_TnomVnom | Pass | 0.50 | 22.65 | 21.72 | 22.31 | 22.74 | 28.39 | 30.00 | 28.89 | 36.00 |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz_TnomVnom | Pass | 1.50 | 21.81 | 22.22 | | | 25.03 | 30.00 | 26.53 | 36.00 |
| 5200MHz_TnomVnom | Pass | 1.50 | 23.27 | 23.11 | | | 26.20 | 30.00 | 27.70 | 36.00 |
| 5240MHz_TnomVnom | Pass | 1.50 | 23.2 | 23.06 | | | 26.14 | 30.00 | 27.64 | 36.00 |
| 5745MHz_TnomVnom | Pass | 0.50 | 22.82 | 23.11 | 23.18 | 22.63 | 28.96 | 30.00 | 29.46 | 36.00 |
| 5785MHz_TnomVnom | Pass | 0.50 | 20.21 | 20.22 | 20.21 | 19.48 | 26.06 | 30.00 | 26.56 | 36.00 |
| 5825MHz_TnomVnom | Pass | 0.50 | 19.99 | 19.18 | 19.71 | 19.53 | 25.63 | 30.00 | 26.13 | 36.00 |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5190MHz_TnomVnom | Pass | 1.50 | 20.17 | 20.39 | | | 23.29 | 30.00 | 24.79 | 36.00 |
| 5230MHz_TnomVnom | Pass | 1.50 | 23.47 | 23.04 | | | 26.27 | 30.00 | 27.77 | 36.00 |
| 5755MHz_TnomVnom | Pass | 0.50 | 22.01 | 22.26 | 22.39 | 21.95 | 28.18 | 30.00 | 28.68 | 36.00 |
| 5795MHz_TnomVnom | Pass | 0.50 | 22.48 | 22.43 | 22.44 | 22.03 | 28.37 | 30.00 | 28.87 | 36.00 |
| 802.11ac VHT80_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5210MHz_TnomVnom | Pass | 1.50 | 18.97 | 19.11 | | | 22.05 | 30.00 | 23.55 | 36.00 |
| 5775MHz_TnomVnom | Pass | 0.50 | 18.62 | 18.17 | 18.97 | 18.56 | 24.61 | 30.00 | 25.11 | 36.00 |

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

**Summary**

| Mode | Total Power (dBm) | Total Power (W) | EIRP (dBm) | EIRP (W) |
|---|---|---|---|---|
| 5.15-5.25GHz | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | 26.20 | 0.41687 | 32.00 | 1.58489 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | 26.50 | 0.44668 | 32.30 | 1.69824 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | 21.21 | 0.13213 | 27.01 | 0.50234 |
| 5.725-5.85GHz | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 28.16 | 0.65464 | 34.36 | 2.72898 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 28.08 | 0.64269 | 34.28 | 2.67917 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 25.05 | 0.31989 | 31.25 | 1.33352 |

**Result**

| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) | EIRP (dBm) | EIRP Limit (dBm) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz | Pass | 5.80 | 21.17 | 21.57 | | | 24.38 | 30.00 | 30.18 | 36.00 |
| 5200MHz | Pass | 5.80 | 23.07 | 23.30 | | | 26.20 | 30.00 | 32.00 | 36.00 |
| 5240MHz | Pass | 5.80 | 22.95 | 23.32 | | | 26.15 | 30.00 | 31.95 | 36.00 |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5745MHz | Pass | 6.20 | 22.06 | 21.53 | 22.53 | 21.74 | 28.00 | 29.80 | 34.20 | 36.00 |
| 5785MHz | Pass | 6.20 | 22.08 | 22.09 | 22.28 | 21.80 | 28.09 | 29.80 | 34.29 | 36.00 |
| 5825MHz | Pass | 6.20 | 22.20 | 22.28 | 21.82 | 22.23 | 28.16 | 29.80 | 34.36 | 36.00 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5190MHz | Pass | 5.80 | 19.21 | 19.53 | | | 22.38 | 30.00 | 28.18 | 36.00 |
| 5230MHz | Pass | 5.80 | 23.33 | 23.65 | | | 26.50 | 30.00 | 32.30 | 36.00 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5755MHz | Pass | 6.20 | 21.93 | 21.85 | 22.60 | 20.94 | 27.89 | 29.80 | 34.09 | 36.00 |
| 5795MHz | Pass | 6.20 | 22.41 | 22.14 | 22.30 | 21.28 | 28.08 | 29.80 | 34.28 | 36.00 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5210MHz | Pass | 5.80 | 17.88 | 18.49 | | | 21.21 | 30.00 | 27.01 | 36.00 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5775MHz | Pass | 6.20 | 18.85 | 18.93 | 19.65 | 18.60 | 25.05 | 29.80 | 31.25 | 36.00 |

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

**Summary**

| Mode | PD (dBm/RBW) | EIRP PD (dBm/RBW) |
|---|---|---|
| 5.15-5.25GHz | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 12.77 | 18.57 |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | 13.15 | 18.95 |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | 10.4 | 16.20 |
| 802.11ac VHT80_Nss1,(MCS0)_2TX | 2.9 | 8.70 |
| 5.725-5.85GHz | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | 14.63 | 20.83 |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | 14.24 | 20.44 |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | 11.34 | 17.54 |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | 4.11 | 10.31 |

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

**Result**

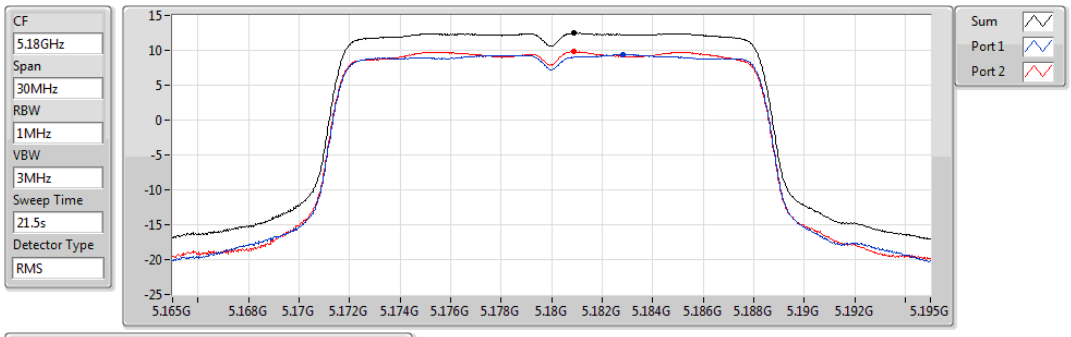
| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | Port 3 (dBm/RBW) | Port 4 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) | EIRP PD (dBm/RBW) | EIRP PD Limit (dBm/RBW) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz_TnomVnom | Pass | 5.80 | 9.4 | 9.83 | | | 12.46 | 17.00 | 18.26 | 23.00 |
| 5200MHz_TnomVnom | Pass | 5.80 | 9.87 | 10 | | | 12.77 | 17.00 | 18.57 | 23.00 |
| 5240MHz_TnomVnom | Pass | 5.80 | 9.75 | 9.74 | | | 12.65 | 17.00 | 18.45 | 23.00 |
| 5745MHz_TnomVnom | Pass | 6.20 | 8.6 | 8.6 | 9.66 | 8.13 | 14.63 | 29.80 | 20.83 | 36.00 |
| 5785MHz_TnomVnom | Pass | 6.20 | 6.34 | 6.28 | 7.22 | 5.82 | 12.30 | 29.80 | 18.50 | 36.00 |
| 5825MHz_TnomVnom | Pass | 6.20 | 8.1 | 7.3 | 8.36 | 8.15 | 13.96 | 29.80 | 20.16 | 36.00 |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz_TnomVnom | Pass | 5.80 | 8.52 | 9.33 | | | 11.84 | 17.00 | 17.64 | 23.00 |
| 5200MHz_TnomVnom | Pass | 5.80 | 10.08 | 10.35 | | | 13.15 | 17.00 | 18.95 | 23.00 |
| 5240MHz_TnomVnom | Pass | 5.80 | 10.04 | 10.2 | | | 12.98 | 17.00 | 18.78 | 23.00 |
| 5745MHz_TnomVnom | Pass | 6.20 | 8.1 | 8.36 | 9.34 | 8.02 | 14.24 | 29.80 | 20.44 | 36.00 |
| 5785MHz_TnomVnom | Pass | 6.20 | 5.96 | 5.84 | 6.86 | 5.38 | 11.80 | 29.80 | 18.00 | 36.00 |
| 5825MHz_TnomVnom | Pass | 6.20 | 5.76 | 5.03 | 6.03 | 5.27 | 11.43 | 29.80 | 17.63 | 36.00 |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5190MHz_TnomVnom | Pass | 5.80 | 4.15 | 4.78 | | | 7.40 | 17.00 | 13.20 | 23.00 |
| 5230MHz_TnomVnom | Pass | 5.80 | 7.48 | 7.38 | | | 10.40 | 17.00 | 16.20 | 23.00 |
| 5755MHz_TnomVnom | Pass | 6.20 | 4.58 | 4.95 | 6.11 | 4.71 | 10.80 | 29.80 | 17.00 | 36.00 |
| 5795MHz_TnomVnom | Pass | 6.20 | 5.18 | 5.55 | 6.18 | 4.82 | 11.34 | 29.80 | 17.54 | 36.00 |
| 802.11ac VHT80_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5210MHz_TnomVnom | Pass | 5.80 | -0.14 | 0.16 | | | 2.90 | 17.00 | 8.70 | 23.00 |
| 5775MHz_TnomVnom | Pass | 6.20 | -2.1 | -2.21 | -0.63 | -1.76 | 4.11 | 29.80 | 10.31 | 36.00 |

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

**802.11a_Nss1,(6Mbps)_2TX** **PSD**

**5180MHz**

05/06/2019

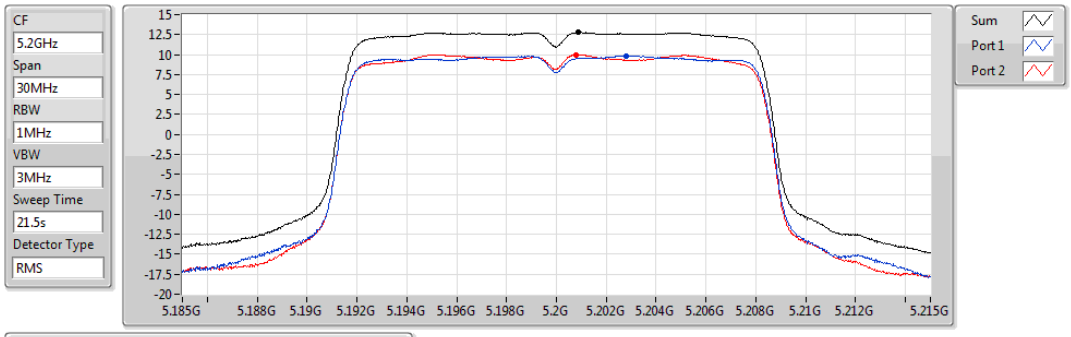



| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 12.46 | 12.46 | 9.40 | 9.83 |

**802.11a_Nss1,(6Mbps)_2TX** **PSD**

**5200MHz**

04/09/2019

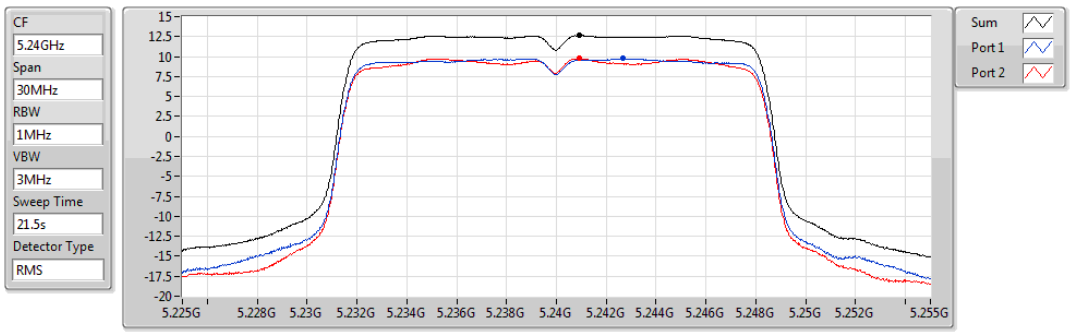



| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 12.77 | 12.77 | 9.87 | 10.00 |

**802.11a_Nss1,(6Mbps)_2TX** **PSD**

**5240MHz**

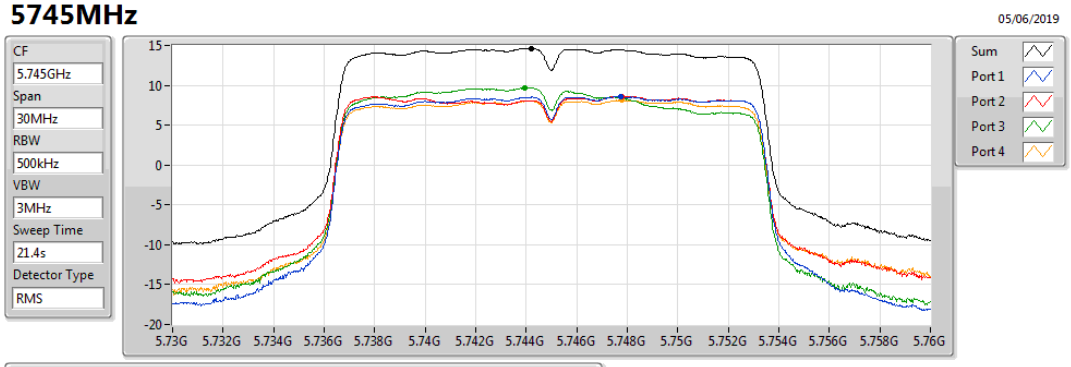
04/09/2019




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 12.65 | 12.65 | 9.75 | 9.74 |

**802.11a_Nss1,(6Mbps)_4TX** **PSD**

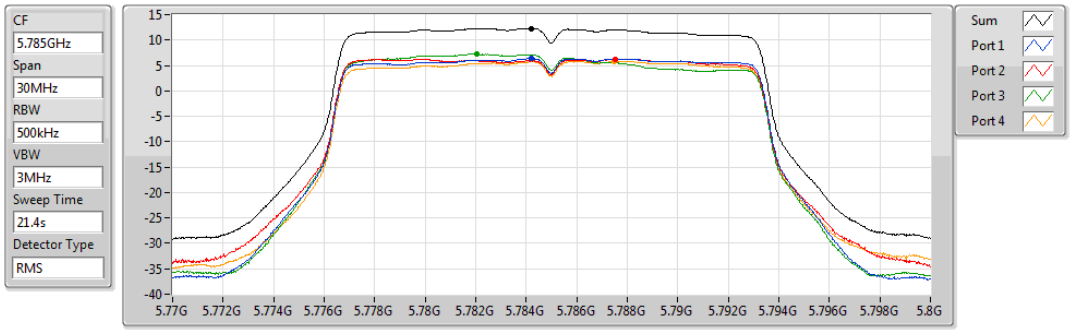
**5745MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 14.63 | 14.63 | 8.60 | 8.60 | 9.66 | 8.13 |

**802.11a_Nss1,(6Mbps)_4TX** **PSD**

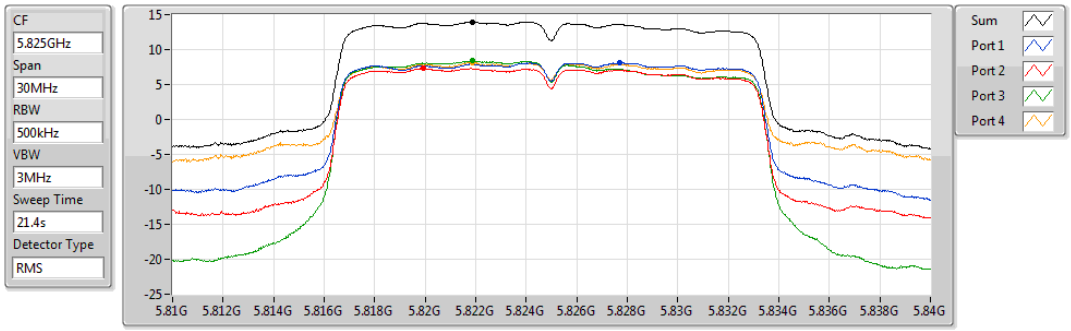
**5785MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 12.30 | 12.30 | 6.34 | 6.28 | 7.22 | 5.82 |

**802.11a_Nss1,(6Mbps)_4TX** **PSD**

**5825MHz**

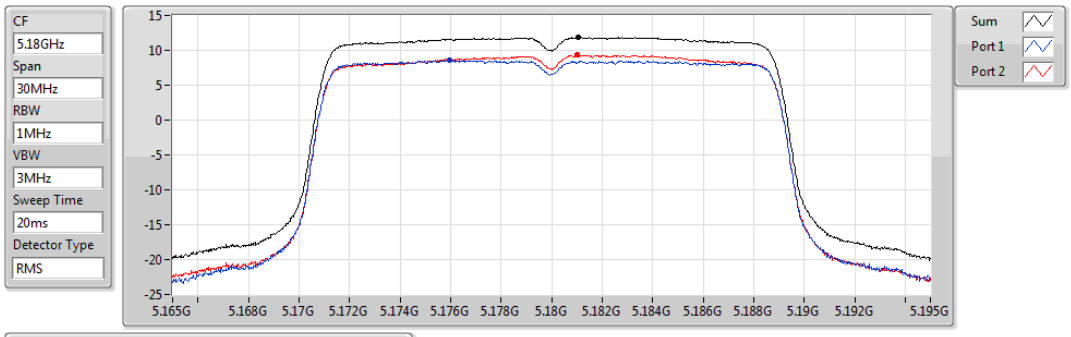



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.96 | 13.96 | 8.10 | 7.30 | 8.36 | 8.15 |

**802.11ac VHT20_Nss1,(MCS0)_2TX** **PSD**

**5180MHz**

05/06/2019

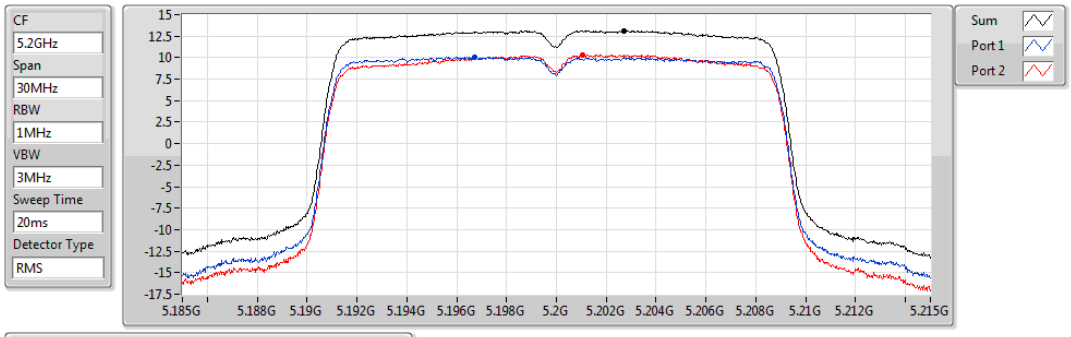



| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.84 | 11.84 | 8.52 | 9.33 |

**802.11ac VHT20_Nss1,(MCS0)_2TX** **PSD**

**5200MHz**

04/09/2019

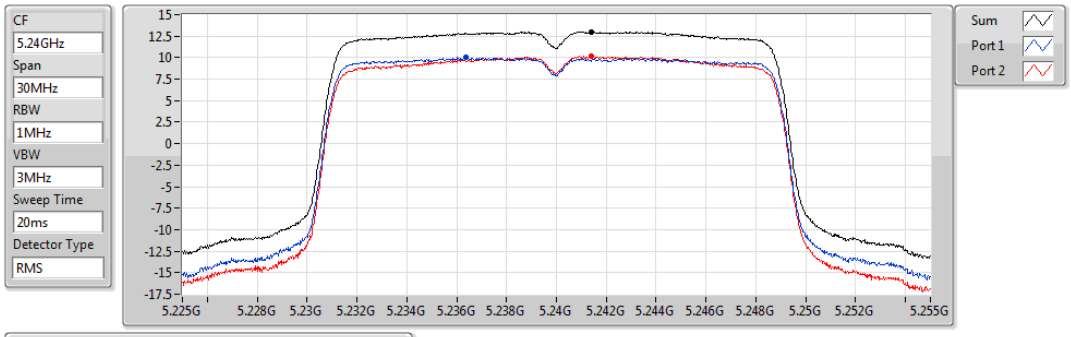



| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.15 | 13.15 | 10.08 | 10.35 |

**802.11ac VHT20_Nss1,(MCS0)_2TX** **PSD**

**5240MHz**

04/09/2019

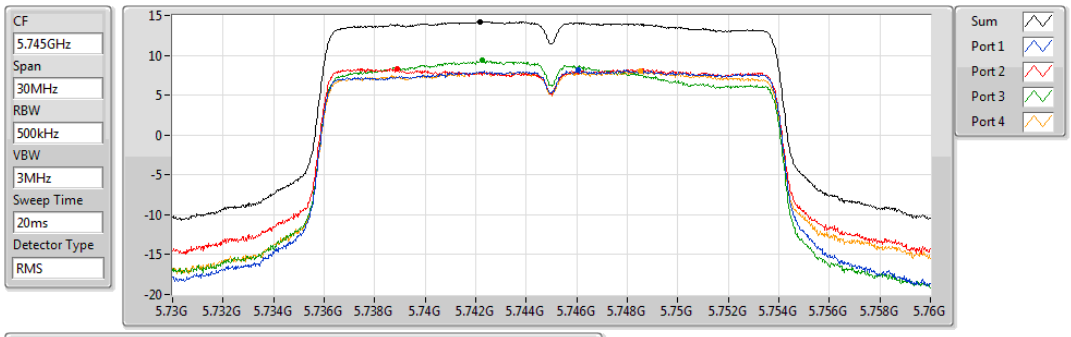



| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 12.98 | 12.98 | 10.04 | 10.20 |

**802.11ac VHT20_Nss1,(MCS0)_4TX** **PSD**

**5745MHz**

05/06/2019

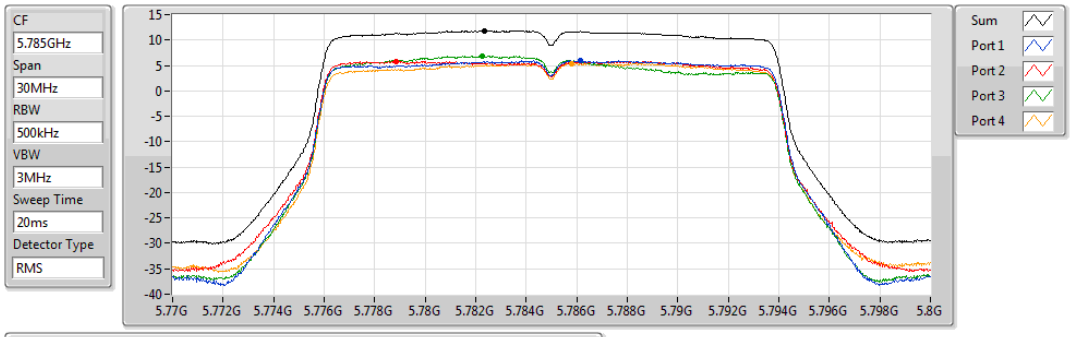



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 14.24 | 14.24 | 8.10 | 8.36 | 9.34 | 8.02 |

**802.11ac VHT20_Nss1,(MCS0)_4TX** **PSD**

**5785MHz**

05/09/2019

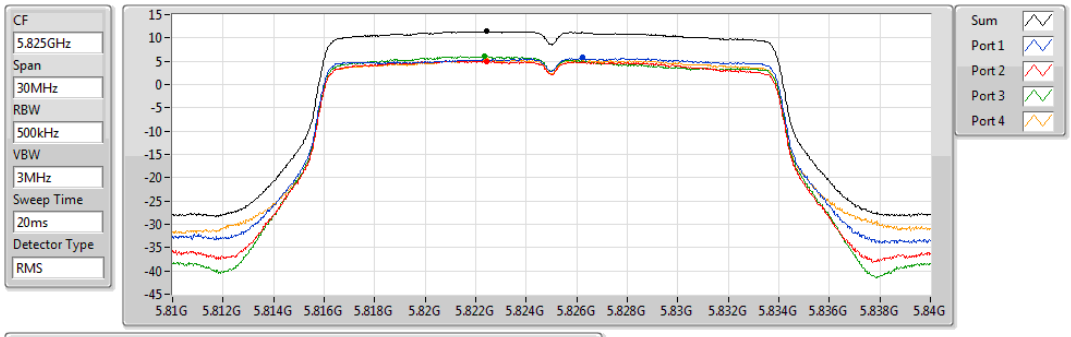



| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.80 | 11.80 | 5.96 | 5.84 | 6.86 | 5.38 |

**802.11ac VHT20_Nss1,(MCS0)_4TX** **PSD**

**5825MHz**

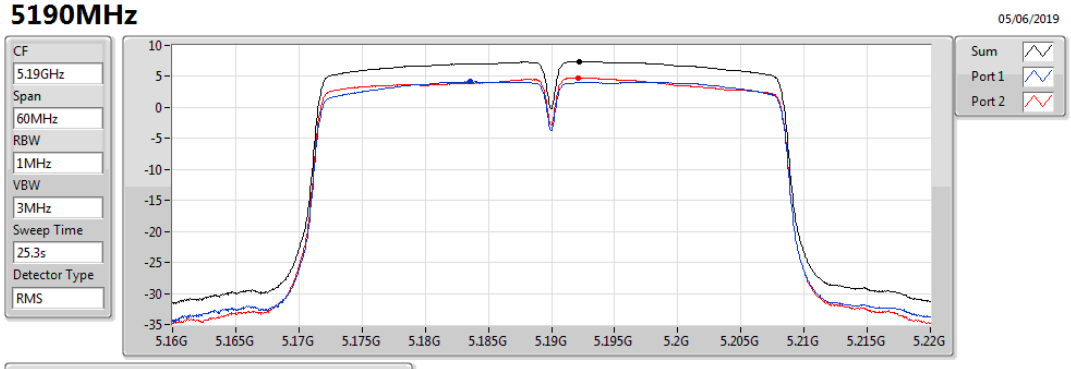
05/09/2019




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.43 | 11.43 | 5.76 | 5.03 | 6.03 | 5.27 |

## 802.11ac VHT40_Nss1,(MCS0)_2TX PSD

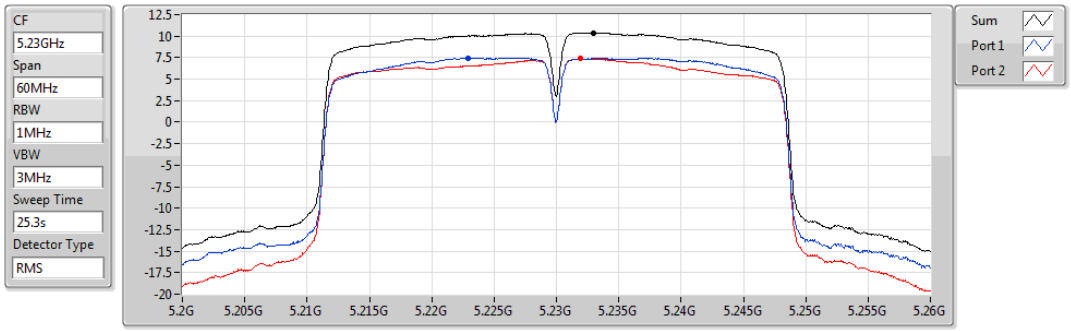
### 5190MHz




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.40 | 7.40 | 4.15 | 4.78 |

## 802.11ac VHT40_Nss1,(MCS0)_2TX PSD

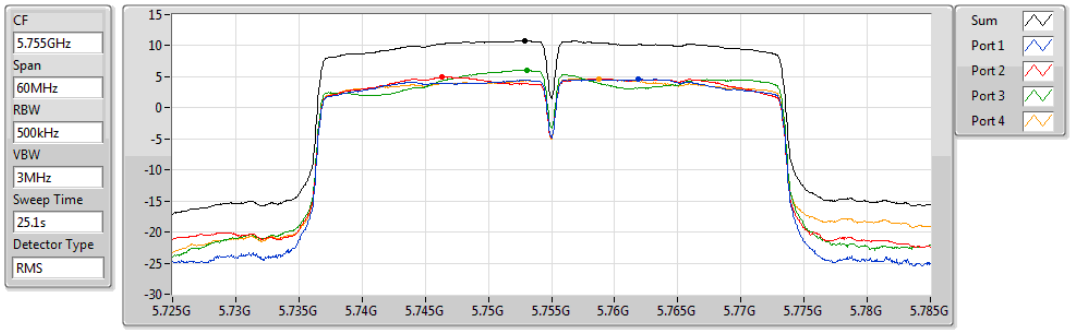
### 5230MHz




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.40 | 10.40 | 7.48 | 7.38 |

## 802.11ac VHT40_Nss1,(MCS0)_4TX PSD

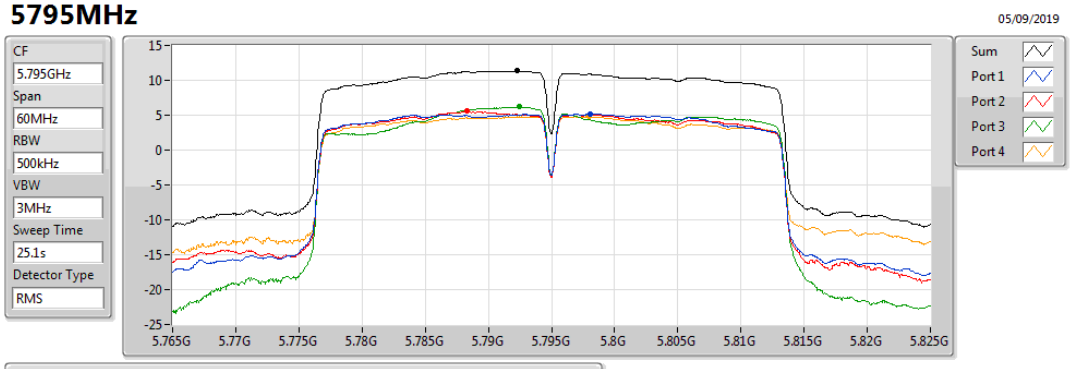
### 5755MHz




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.80 | 10.80 | 4.58 | 4.95 | 6.11 | 4.71 |

## 802.11ac VHT40_Nss1,(MCS0)_4TX PSD

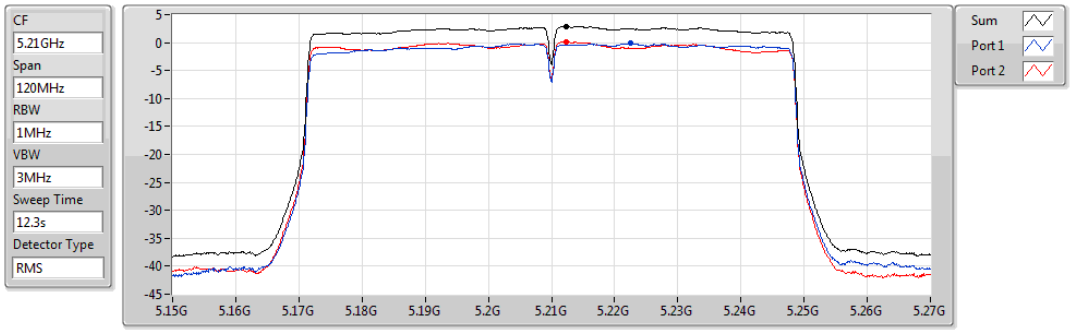
**5795MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.34 | 11.34 | 5.18 | 5.55 | 6.18 | 4.82 |

## 802.11ac VHT80_Nss1,(MCS0)_2TX PSD

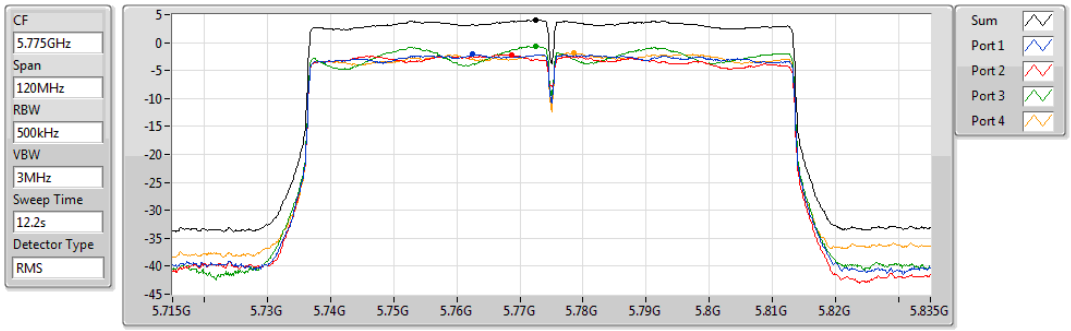
**5210MHz**




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.90 | 2.90 | -0.14 | 0.16 |

## 802.11ac VHT80_Nss1,(MCS0)_4TX PSD

**5775MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.11 | 4.11 | -2.10 | -2.21 | -0.63 | -1.76 |

**Summary**

| Mode | PD (dBm/RBW) | EIRP PD (dBm/RBW) |
|---|---|---|
| 5.15-5.25GHz | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | 13.00 | 18.80 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | 10.49 | 16.29 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | 2.24 | 8.04 |
| 5.725-5.85GHz | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | 13.32 | 19.52 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | 10.57 | 16.77 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | 4.50 | 10.70 |

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

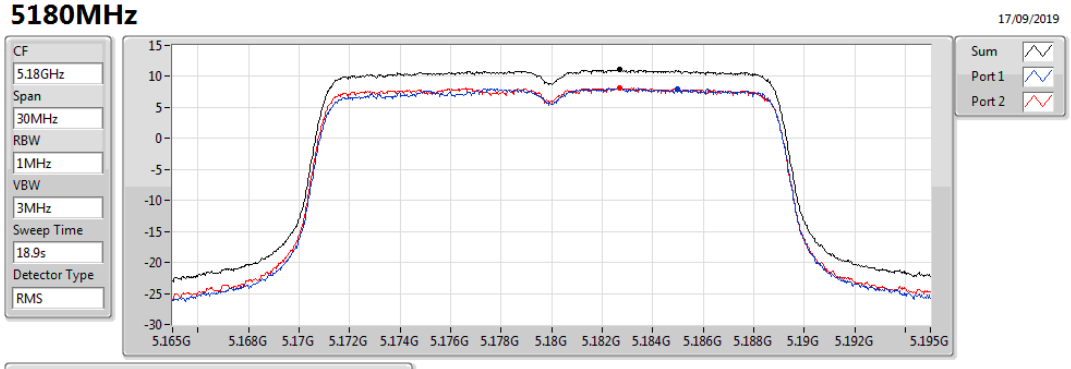
**Result**

| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | Port 3 (dBm/RBW) | Port 4 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) | EIRP PD (dBm/RBW) | EIRP PD Limit (dBm/RBW) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5180MHz | Pass | 5.80 | 8.03 | 8.18 | | | 11.07 | 17.00 | 16.87 | 23.00 |
| 5200MHz | Pass | 5.80 | 9.57 | 10.10 | | | 12.83 | 17.00 | 18.63 | 23.00 |
| 5240MHz | Pass | 5.80 | 10.04 | 10.13 | | | 13.00 | 17.00 | 18.80 | 23.00 |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5745MHz | Pass | 6.20 | 7.51 | 8.01 | 8.24 | 7.66 | 13.28 | 29.80 | 19.48 | 36.00 |
| 5785MHz | Pass | 6.20 | 7.84 | 7.96 | 8.18 | 8.09 | 13.32 | 29.80 | 19.52 | 36.00 |
| 5825MHz | Pass | 6.20 | 7.90 | 8.06 | 7.75 | 8.31 | 13.31 | 29.80 | 19.51 | 36.00 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5190MHz | Pass | 5.80 | 3.25 | 3.32 | | | 6.22 | 17.00 | 12.02 | 23.00 |
| 5230MHz | Pass | 5.80 | 7.58 | 7.85 | | | 10.49 | 17.00 | 16.29 | 23.00 |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5755MHz | Pass | 6.20 | 5.49 | 5.78 | 5.76 | 5.14 | 10.48 | 29.80 | 16.68 | 36.00 |
| 5795MHz | Pass | 6.20 | 5.81 | 6.24 | 5.50 | 4.92 | 10.57 | 29.80 | 16.77 | 36.00 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5210MHz | Pass | 5.80 | -0.75 | -0.69 | | | 2.24 | 17.00 | 8.04 | 23.00 |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - |
| 5775MHz | Pass | 6.20 | -1.36 | -1.52 | -0.84 | -1.29 | 4.50 | 29.80 | 10.70 | 36.00 |

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

**802.11ac VHT20-BF_Nss1,(MCS0)_2TX** **PSD**

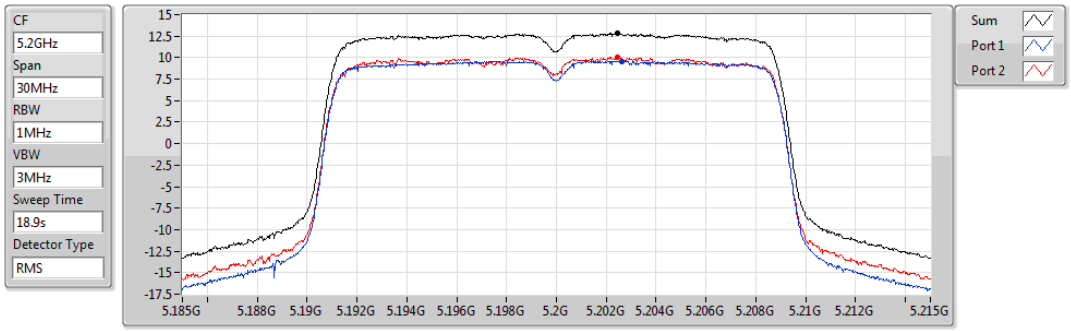
**5180MHz**




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.07 | 11.07 | 8.03 | 8.18 |

**802.11ac VHT20-BF_Nss1,(MCS0)_2TX** **PSD**

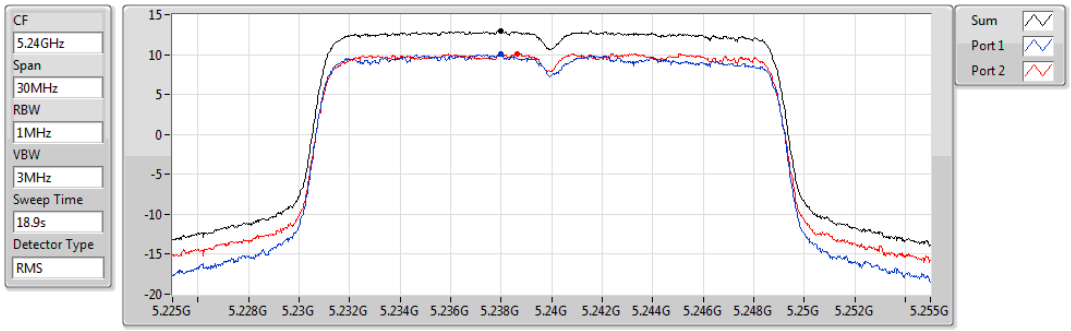
**5200MHz**




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 12.83 | 12.83 | 9.57 | 10.10 |

**802.11ac VHT20-BF_Nss1,(MCS0)_2TX** **PSD**

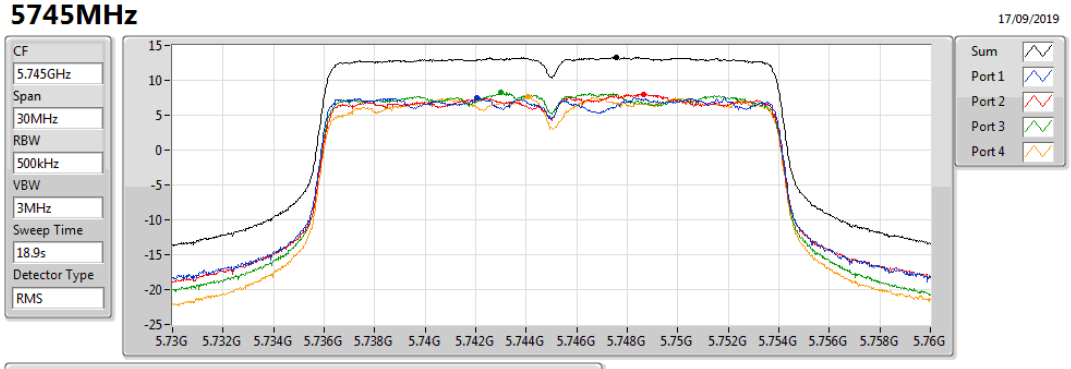
**5240MHz**




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.00 | 13.00 | 10.04 | 10.13 |

**802.11ac VHT20-BF_Nss1,(MCS0)_4TX** **PSD**

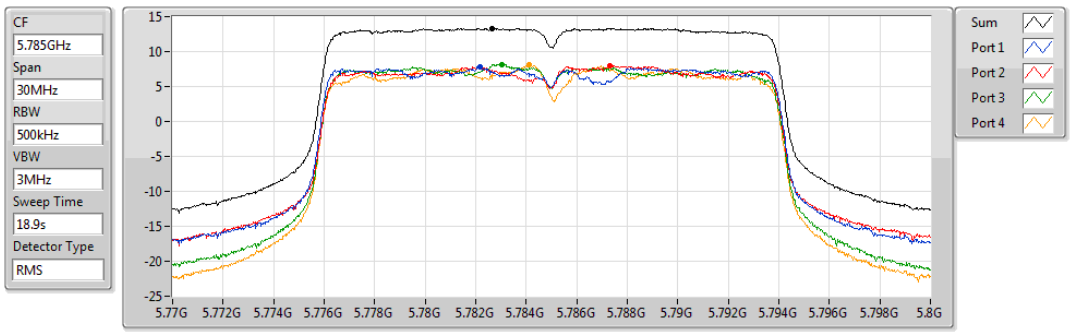
**5745MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.28 | 13.28 | 7.51 | 8.01 | 8.24 | 7.66 |

**802.11ac VHT20-BF_Nss1,(MCS0)_4TX** **PSD**

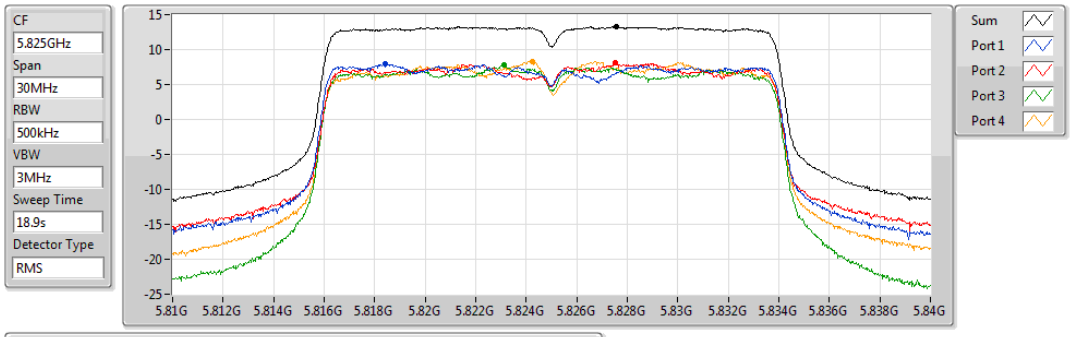
**5785MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.32 | 13.32 | 7.84 | 7.96 | 8.18 | 8.09 |

**802.11ac VHT20-BF_Nss1,(MCS0)_4TX** **PSD**

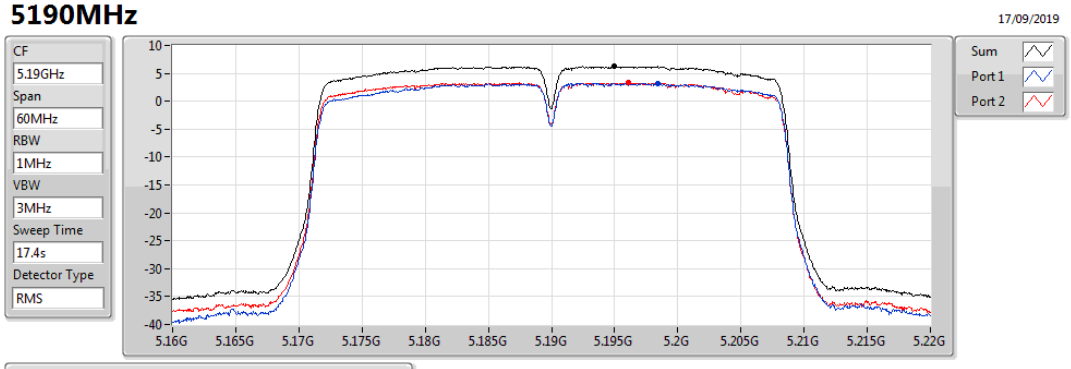
**5825MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 13.31 | 13.31 | 7.90 | 8.06 | 7.75 | 8.31 |

**802.11ac VHT40-BF_Nss1,(MCS0)_2TX** **PSD**

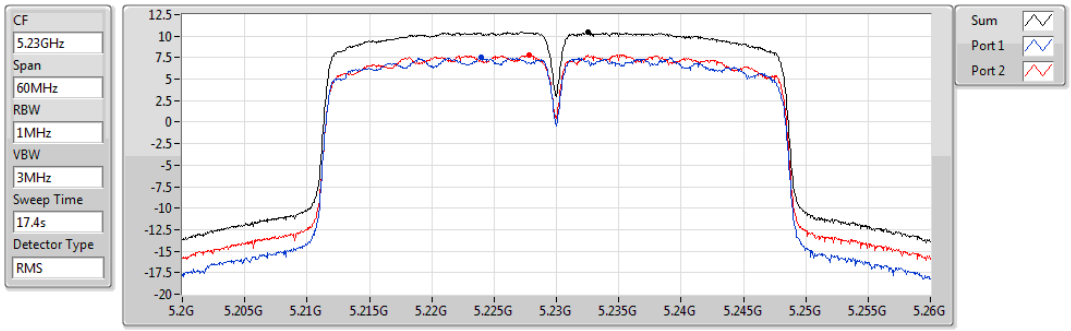
**5190MHz**




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.22 | 6.22 | 3.25 | 3.32 |

**802.11ac VHT40-BF_Nss1,(MCS0)_2TX** **PSD**

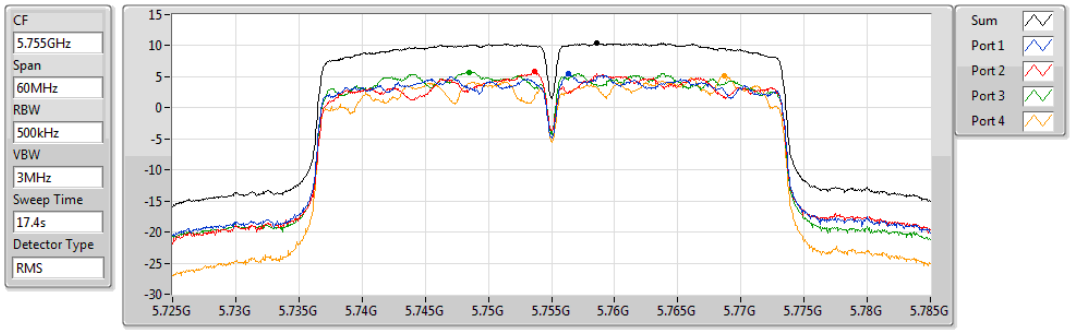
**5230MHz**




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.49 | 10.49 | 7.58 | 7.85 |

**802.11ac VHT40-BF_Nss1,(MCS0)_4TX** **PSD**

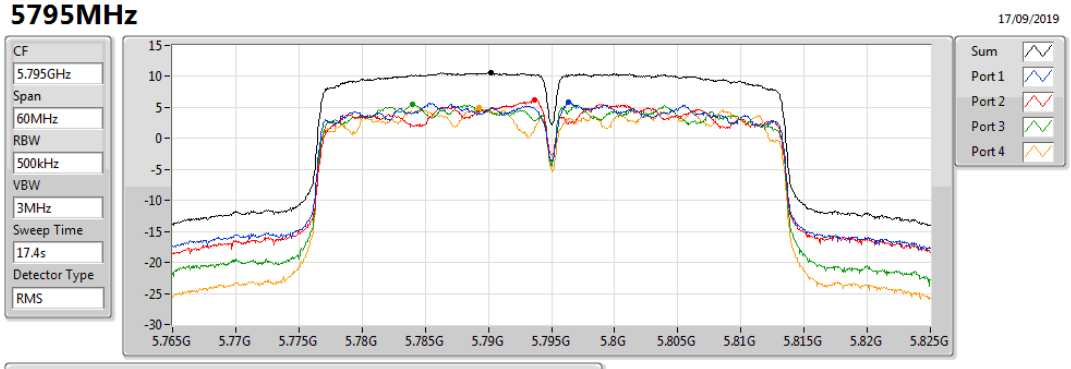
**5755MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.48 | 10.48 | 5.49 | 5.78 | 5.76 | 5.14 |

**802.11ac VHT40-BF_Nss1,(MCS0)_4TX** **PSD**

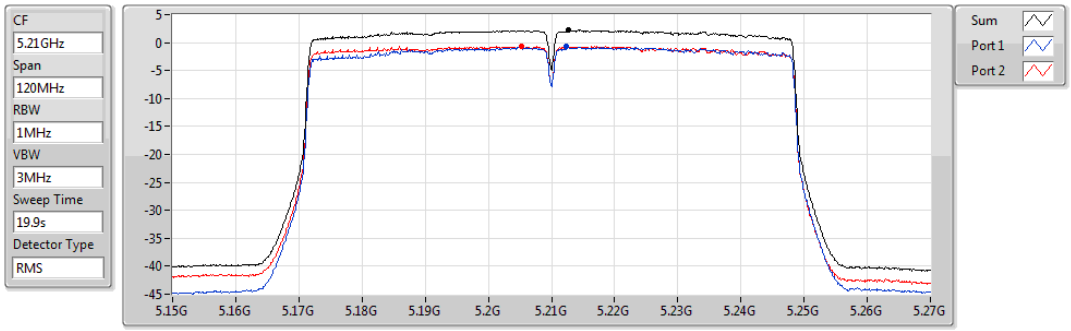
**5795MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.57 | 10.57 | 5.81 | 6.24 | 5.50 | 4.92 |

**802.11ac VHT80-BF_Nss1,(MCS0)_2TX** **PSD**

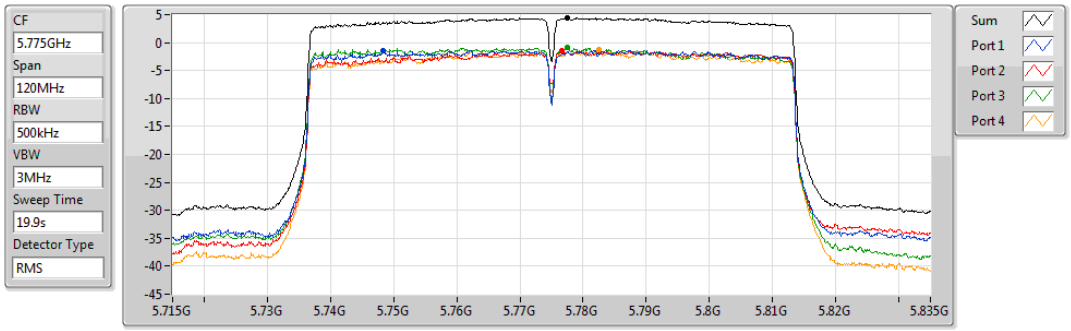
**5210MHz**




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.24 | 2.24 | -0.75 | -0.69 |

**802.11ac VHT80-BF_Nss1,(MCS0)_4TX** **PSD**

**5775MHz**




| Sum | PD | Port 1 | Port 2 | Port 3 | Port 4 |
|---|---|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.50 | 4.50 | -1.36 | -1.52 | -0.84 | -1.29 |

## Summary

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.725-5.85GHz | - | - | - | - | - | - | - | - | - | - | - | - |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | Pass | PK | 520.82M | 40.79 | 46.00 | -5.21 | -2.43 | 3 | Vertical | 360 | 1.00 | - |

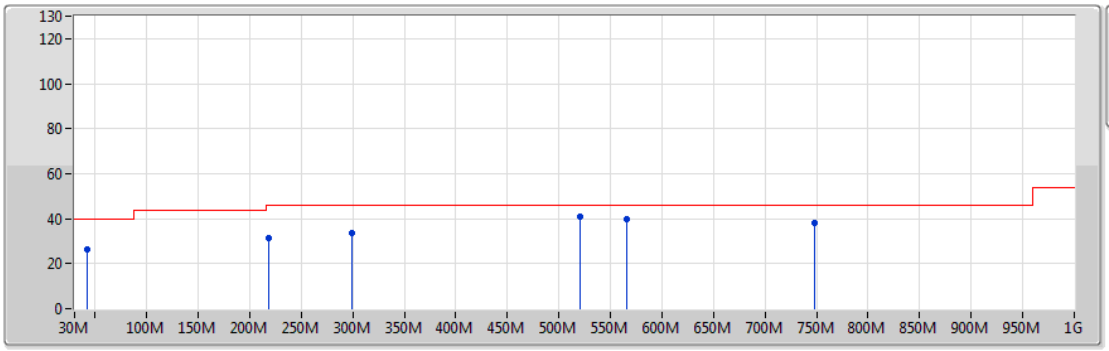
**Result**

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ac VHT80_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5775MHz_Switching Power Supply | Pass | PK | 41.64M | 26.30 | 40.00 | -13.70 | -10.28 | 3 | Vertical | 360 | 1.00 | - |
| 5775MHz_Switching Power Supply | Pass | PK | 218.18M | 31.24 | 46.00 | -14.76 | -10.55 | 3 | Vertical | 360 | 1.00 | - |
| 5775MHz_Switching Power Supply | Pass | PK | 299.66M | 33.45 | 46.00 | -12.55 | -5.91 | 3 | Vertical | 360 | 1.00 | - |
| 5775MHz_Switching Power Supply | Pass | PK | 520.82M | 40.79 | 46.00 | -5.21 | -2.43 | 3 | Vertical | 360 | 1.00 | - |
| 5775MHz_Switching Power Supply | Pass | PK | 747.8M | 37.86 | 46.00 | -8.14 | 0.67 | 3 | Vertical | 360 | 1.00 | - |
| 5775MHz_Switching Power Supply | Pass | QP | 565.44M | 39.84 | 46.00 | -6.16 | -1.22 | 3 | Vertical | 36 | 1.01 | - |
| 5775MHz_Switching Power Supply | Pass | PK | 90.14M | 28.37 | 43.50 | -15.13 | -12.52 | 3 | Horizontal | 0 | 1.00 | - |
| 5775MHz_Switching Power Supply | Pass | PK | 237.58M | 34.46 | 46.00 | -11.54 | -8.41 | 3 | Horizontal | 0 | 1.00 | - |
| 5775MHz_Switching Power Supply | Pass | PK | 280.26M | 34.31 | 46.00 | -11.69 | -6.32 | 3 | Horizontal | 0 | 1.00 | - |
| 5775MHz_Switching Power Supply | Pass | PK | 495.6M | 34.25 | 46.00 | -11.75 | -2.42 | 3 | Horizontal | 0 | 1.00 | - |
| 5775MHz_Switching Power Supply | Pass | PK | 575.14M | 39.21 | 46.00 | -6.79 | -1.44 | 3 | Horizontal | 0 | 1.00 | - |
| 5775MHz_Switching Power Supply | Pass | PK | 613.94M | 37.97 | 46.00 | -8.03 | -0.73 | 3 | Horizontal | 0 | 1.00 | - |

## 802.11ac VHT80_Nss1,(MCS0)_4TX

## 5775MHz_Switching Power Supply

05/09/2019

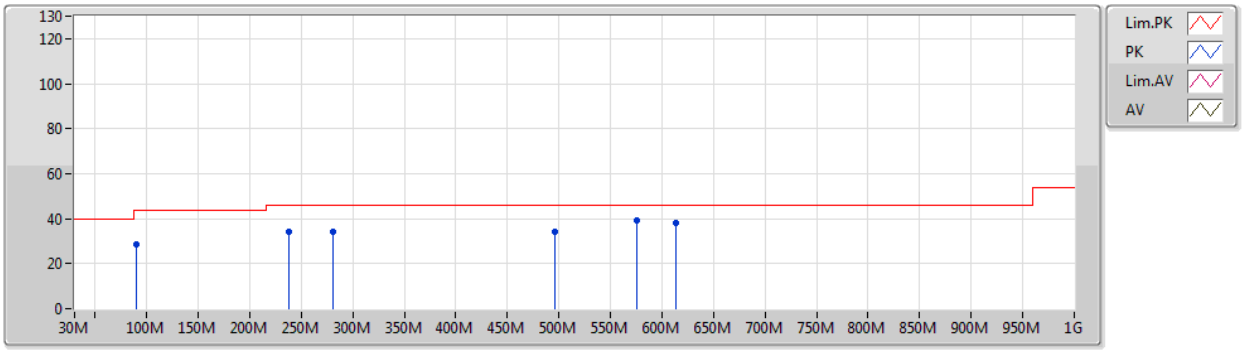



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 41.64M | 26.30 | 40.00 | -13.70 | -10.28 | 3 | Vertical | 360 | 1.00 | - | 36.58 | 16.72 | 0.68 | 27.68 |
| PK | 218.18M | 31.24 | 46.00 | -14.76 | -10.55 | 3 | Vertical | 360 | 1.00 | - | 41.79 | 14.26 | 2.51 | 27.32 |
| PK | 299.66M | 33.45 | 46.00 | -12.55 | -5.91 | 3 | Vertical | 360 | 1.00 | - | 39.36 | 18.26 | 3.00 | 27.17 |
| PK | 520.82M | 40.79 | 46.00 | -5.21 | -2.43 | 3 | Vertical | 360 | 1.00 | - | 43.22 | 22.65 | 3.42 | 28.50 |
| PK | 747.8M | 37.86 | 46.00 | -8.14 | 0.67 | 3 | Vertical | 360 | 1.00 | - | 37.19 | 24.89 | 4.12 | 28.34 |
| QP | 565.44M | 39.84 | 46.00 | -6.16 | -1.22 | 3 | Vertical | 36 | 1.01 | - | 41.06 | 23.76 | 3.62 | 28.60 |

## 802.11ac VHT80_Nss1,(MCS0)_4TX

## 5775MHz_Switching Power Supply

05/09/2019




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 90.14M | 28.37 | 43.50 | -15.13 | -12.52 | 3 | Horizontal | 0 | 1.00 | - | 40.89 | 13.84 | 1.39 | 27.75 |
| PK | 237.58M | 34.46 | 46.00 | -11.54 | -8.41 | 3 | Horizontal | 0 | 1.00 | - | 42.87 | 16.16 | 2.66 | 27.23 |
| PK | 280.26M | 34.31 | 46.00 | -11.69 | -6.32 | 3 | Horizontal | 0 | 1.00 | - | 40.63 | 17.97 | 2.88 | 27.17 |
| PK | 495.6M | 34.25 | 46.00 | -11.75 | -2.42 | 3 | Horizontal | 0 | 1.00 | - | 36.67 | 22.68 | 3.30 | 28.40 |
| PK | 575.14M | 39.21 | 46.00 | -6.79 | -1.44 | 3 | Horizontal | 0 | 1.00 | - | 40.65 | 23.50 | 3.63 | 28.57 |
| PK | 613.94M | 37.97 | 46.00 | -8.03 | -0.73 | 3 | Horizontal | 0 | 1.00 | - | 38.70 | 24.08 | 3.71 | 28.52 |

## Summary

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.15-5.25GHz | - | - | - | - | - | - | - | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | Pass | AV | 15.539G | 53.76 | 54.00 | -0.24 | 17.01 | 3 | Horizontal | 299 | 1.73 | - |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | Pass | AV | 15.596G | 53.61 | 54.00 | -0.39 | 16.82 | 3 | Vertical | 177 | 1.67 | - |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | Pass | AV | 5.15G | 53.66 | 54.00 | -0.34 | 4.20 | 3 | Horizontal | 287 | 1.87 | - |
| 802.11ac VHT80_Nss1,(MCS0)_2TX | Pass | AV | 5.138G | 52.58 | 54.00 | -1.42 | 4.17 | 3 | Vertical | 169 | 1.68 | - |
| 5.725-5.85GHz | - | - | - | - | - | - | - | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_4TX | Pass | PK | 17.34972G | 68.16 | 68.20 | -0.04 | 22.82 | 3 | Horizontal | 237 | 1.50 | - |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | Pass | PK | 17.34996G | 68.03 | 68.20 | -0.17 | 22.41 | 3 | Horizontal | 328 | 1.88 | - |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | Pass | PK | 17.38038G | 67.99 | 68.20 | -0.21 | 22.60 | 3 | Horizontal | 333 | 1.49 | - |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | Pass | PK | 5.6322G | 67.81 | 68.20 | -0.39 | 5.11 | 3 | Horizontal | 14 | 2.27 | - |

## Result

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5180MHz | Pass | AV | 5.1472G | 53.43 | 54.00 | -0.57 | 4.19 | 3 | Vertical | 168 | 1.66 | - |
| 5180MHz | Pass | AV | 5.1822G | 105.02 | Inf | -Inf | 4.27 | 3 | Vertical | 168 | 1.66 | - |
| 5180MHz | Pass | PK | 5.1474G | 70.24 | 74.00 | -3.76 | 4.19 | 3 | Vertical | 168 | 1.66 | - |
| 5180MHz | Pass | PK | 5.177G | 114.83 | Inf | -Inf | 4.26 | 3 | Vertical | 168 | 1.66 | - |
| 5180MHz | Pass | AV | 5.1472G | 49.57 | 54.00 | -4.43 | 4.19 | 3 | Horizontal | 166 | 1.35 | - |
| 5180MHz | Pass | AV | 5.182G | 101.33 | Inf | -Inf | 4.27 | 3 | Horizontal | 166 | 1.35 | - |
| 5180MHz | Pass | PK | 5.1466G | 65.82 | 74.00 | -8.18 | 4.19 | 3 | Horizontal | 166 | 1.35 | - |
| 5180MHz | Pass | PK | 5.182G | 112.01 | Inf | -Inf | 4.27 | 3 | Horizontal | 166 | 1.35 | - |
| 5180MHz | Pass | AV | 15.5391G | 50.35 | 54.00 | -3.65 | 17.01 | 3 | Vertical | 320 | 2.29 | - |
| 5180MHz | Pass | PK | 10.35989G | 54.18 | 68.20 | -14.02 | 14.83 | 3 | Vertical | 347 | 1.44 | - |
| 5180MHz | Pass | PK | 15.5387G | 63.99 | 74.00 | -10.01 | 17.01 | 3 | Vertical | 320 | 2.29 | - |
| 5180MHz | Pass | AV | 15.539G | 53.76 | 54.00 | -0.24 | 17.01 | 3 | Horizontal | 299 | 1.73 | - |
| 5180MHz | Pass | PK | 10.36008G | 54.81 | 68.20 | -13.39 | 14.83 | 3 | Horizontal | 145 | 1.48 | - |
| 5180MHz | Pass | PK | 15.5492G | 68.46 | 74.00 | -5.54 | 16.98 | 3 | Horizontal | 299 | 1.73 | - |
| 5200MHz | Pass | AV | 5.147G | 45.81 | 54.00 | -8.19 | 4.36 | 3 | Vertical | 243 | 2.15 | - |
| 5200MHz | Pass | AV | 5.202G | 108.37 | Inf | -Inf | 4.46 | 3 | Vertical | 243 | 2.15 | - |
| 5200MHz | Pass | AV | 5.368G | 44.71 | 54.00 | -9.29 | 4.75 | 3 | Vertical | 243 | 2.15 | - |
| 5200MHz | Pass | PK | 5.147G | 58.03 | 74.00 | -15.97 | 4.36 | 3 | Vertical | 243 | 2.15 | - |
| 5200MHz | Pass | PK | 5.202G | 118.45 | Inf | -Inf | 4.46 | 3 | Vertical | 243 | 2.15 | - |
| 5200MHz | Pass | PK | 5.369G | 56.74 | 74.00 | -17.26 | 4.75 | 3 | Vertical | 243 | 2.15 | - |
| 5200MHz | Pass | AV | 5.147G | 44.86 | 54.00 | -9.14 | 4.36 | 3 | Horizontal | 164 | 1.50 | - |
| 5200MHz | Pass | AV | 5.197G | 102.02 | Inf | -Inf | 4.46 | 3 | Horizontal | 164 | 1.50 | - |
| 5200MHz | Pass | AV | 5.383G | 44.43 | 54.00 | -9.57 | 4.77 | 3 | Horizontal | 164 | 1.50 | - |
| 5200MHz | Pass | PK | 5.14G | 57.11 | 74.00 | -16.89 | 4.35 | 3 | Horizontal | 164 | 1.50 | - |
| 5200MHz | Pass | PK | 5.197G | 112.32 | Inf | -Inf | 4.46 | 3 | Horizontal | 164 | 1.50 | - |
| 5200MHz | Pass | PK | 5.443G | 56.76 | 74.00 | -17.24 | 4.87 | 3 | Horizontal | 164 | 1.50 | - |
| 5200MHz | Pass | AV | 15.59838G | 52.97 | 54.00 | -1.03 | 16.82 | 3 | Vertical | 176 | 1.67 | - |
| 5200MHz | Pass | PK | 10.40234G | 55.39 | 68.20 | -12.81 | 14.89 | 3 | Vertical | 176 | 3.00 | - |
| 5200MHz | Pass | PK | 15.59352G | 67.52 | 74.00 | -6.48 | 16.83 | 3 | Vertical | 176 | 1.67 | - |
| 5200MHz | Pass | AV | 15.59814G | 52.31 | 54.00 | -1.69 | 16.82 | 3 | Horizontal | 297 | 1.50 | - |
| 5200MHz | Pass | PK | 10.403G | 56.11 | 68.20 | -12.09 | 14.89 | 3 | Horizontal | 27 | 2.20 | - |
| 5200MHz | Pass | PK | 15.59874G | 66.56 | 74.00 | -7.44 | 16.81 | 3 | Horizontal | 297 | 1.50 | - |
| 5240MHz | Pass | AV | 5.1356G | 44.93 | 54.00 | -9.07 | 4.34 | 3 | Vertical | 249 | 1.01 | - |
| 5240MHz | Pass | AV | 5.2436G | 108.03 | Inf | -Inf | 4.53 | 3 | Vertical | 249 | 1.01 | - |
| 5240MHz | Pass | AV | 5.357G | 44.83 | 54.00 | -9.17 | 4.73 | 3 | Vertical | 249 | 1.01 | - |
| 5240MHz | Pass | PK | 5.147G | 57.33 | 74.00 | -16.67 | 4.36 | 3 | Vertical | 249 | 1.01 | - |
| 5240MHz | Pass | PK | 5.2382G | 118.26 | Inf | -Inf | 4.53 | 3 | Vertical | 249 | 1.01 | - |
| 5240MHz | Pass | PK | 5.369G | 56.75 | 74.00 | -17.25 | 4.75 | 3 | Vertical | 249 | 1.01 | - |
| 5240MHz | Pass | AV | 5.1494G | 44.84 | 54.00 | -9.16 | 4.37 | 3 | Horizontal | 170 | 1.91 | - |
| 5240MHz | Pass | AV | 5.2346G | 105.39 | Inf | -Inf | 4.51 | 3 | Horizontal | 170 | 1.91 | - |
| 5240MHz | Pass | AV | 5.3522G | 44.66 | 54.00 | -9.34 | 4.72 | 3 | Horizontal | 170 | 1.91 | - |
| 5240MHz | Pass | PK | 5.144G | 57.49 | 74.00 | -16.51 | 4.36 | 3 | Horizontal | 170 | 1.91 | - |
| 5240MHz | Pass | PK | 5.2436G | 115.63 | Inf | -Inf | 4.53 | 3 | Horizontal | 170 | 1.91 | - |
| 5240MHz | Pass | PK | 5.3516G | 56.69 | 74.00 | -17.31 | 4.72 | 3 | Horizontal | 170 | 1.91 | - |
| 5240MHz | Pass | AV | 15.71832G | 53.42 | 54.00 | -0.58 | 16.41 | 3 | Vertical | 176 | 1.69 | - |
| 5240MHz | Pass | PK | 10.48288G | 56.13 | 68.20 | -12.07 | 15.08 | 3 | Vertical | 244 | 1.49 | - |
| 5240MHz | Pass | PK | 15.72852G | 67.58 | 74.00 | -6.42 | 16.38 | 3 | Vertical | 176 | 1.69 | - |

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5240MHz | Pass | AV | 15.71844G | 51.99 | 54.00 | -2.01 | 16.41 | 3 | Horizontal | 298 | 1.50 | - |
| 5240MHz | Pass | PK | 10.47394G | 57.18 | 68.20 | -11.02 | 15.06 | 3 | Horizontal | 237 | 1.50 | - |
| 5240MHz | Pass | PK | 15.7227G | 65.71 | 74.00 | -8.29 | 16.41 | 3 | Horizontal | 298 | 1.50 | - |
| 802.11a_Nss1,(6Mbps)_4TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5745MHz | Pass | AV | 5.7378G | 106.02 | Inf | -Inf | 5.30 | 3 | Vertical | 14 | 1.51 | - |
| 5745MHz | Pass | PK | 5.6502G | 60.64 | 68.35 | -7.71 | 5.14 | 3 | Vertical | 14 | 1.51 | - |
| 5745MHz | Pass | PK | 5.739G | 116.32 | Inf | -Inf | 5.30 | 3 | Vertical | 14 | 1.51 | - |
| 5745MHz | Pass | PK | 5.9298G | 56.73 | 68.20 | -11.47 | 5.64 | 3 | Vertical | 14 | 1.51 | - |
| 5745MHz | Pass | AV | 5.7414G | 108.98 | Inf | -Inf | 5.31 | 3 | Horizontal | 13 | 2.51 | - |
| 5745MHz | Pass | PK | 5.6502G | 62.40 | 68.35 | -5.95 | 5.14 | 3 | Horizontal | 13 | 2.51 | - |
| 5745MHz | Pass | PK | 5.7414G | 119.42 | Inf | -Inf | 5.31 | 3 | Horizontal | 13 | 2.51 | - |
| 5745MHz | Pass | PK | 5.9658G | 56.69 | 68.20 | -11.51 | 5.72 | 3 | Horizontal | 13 | 2.51 | - |
| 5745MHz | Pass | AV | 11.49414G | 42.68 | 54.00 | -11.32 | 15.79 | 3 | Vertical | 178 | 1.75 | - |
| 5745MHz | Pass | PK | 11.49276G | 56.21 | 74.00 | -17.79 | 15.79 | 3 | Vertical | 178 | 1.75 | - |
| 5745MHz | Pass | PK | 17.226G | 64.73 | 68.20 | -3.47 | 21.92 | 3 | Vertical | 76 | 1.50 | - |
| 5745MHz | Pass | AV | 11.47968G | 43.53 | 54.00 | -10.47 | 15.81 | 3 | Horizontal | 2 | 1.50 | - |
| 5745MHz | Pass | PK | 11.47968G | 56.81 | 74.00 | -17.19 | 15.81 | 3 | Horizontal | 2 | 1.50 | - |
| 5745MHz | Pass | PK | 17.22324G | 64.57 | 68.20 | -3.63 | 21.90 | 3 | Horizontal | 292 | 1.57 | - |
| 5785MHz | Pass | AV | 5.7922G | 101.61 | Inf | -Inf | 5.49 | 3 | Vertical | 273 | 1.86 | - |
| 5785MHz | Pass | PK | 5.635G | 56.47 | 68.20 | -11.73 | 5.21 | 3 | Vertical | 273 | 1.86 | - |
| 5785MHz | Pass | PK | 5.7922G | 112.94 | Inf | -Inf | 5.49 | 3 | Vertical | 273 | 1.86 | - |
| 5785MHz | Pass | PK | 5.9266G | 56.72 | 68.20 | -11.48 | 5.74 | 3 | Vertical | 273 | 1.86 | - |
| 5785MHz | Pass | AV | 5.7838G | 103.86 | Inf | -Inf | 5.38 | 3 | Horizontal | 222 | 1.27 | - |
| 5785MHz | Pass | PK | 5.629G | 56.69 | 68.20 | -11.51 | 5.10 | 3 | Horizontal | 222 | 1.27 | - |
| 5785MHz | Pass | PK | 5.7838G | 114.78 | Inf | -Inf | 5.38 | 3 | Horizontal | 222 | 1.27 | - |
| 5785MHz | Pass | PK | 5.9398G | 56.35 | 68.20 | -11.85 | 5.67 | 3 | Horizontal | 222 | 1.27 | - |
| 5785MHz | Pass | AV | 11.56712G | 41.60 | 54.00 | -12.40 | 15.71 | 3 | Vertical | 126 | 1.72 | - |
| 5785MHz | Pass | PK | 11.576G | 54.00 | 74.00 | -20.00 | 15.68 | 3 | Vertical | 126 | 1.72 | - |
| 5785MHz | Pass | PK | 17.34882G | 64.66 | 68.20 | -3.54 | 22.83 | 3 | Vertical | 222 | 2.39 | - |
| 5785MHz | Pass | AV | 11.5682G | 42.72 | 54.00 | -11.28 | 15.70 | 3 | Horizontal | 145 | 1.62 | - |
| 5785MHz | Pass | PK | 11.56832G | 55.85 | 74.00 | -18.15 | 15.70 | 3 | Horizontal | 145 | 1.62 | - |
| 5785MHz | Pass | PK | 17.34972G | 68.16 | 68.20 | -0.04 | 22.82 | 3 | Horizontal | 237 | 1.50 | - |
| 5825MHz | Pass | AV | 5.8322G | 102.58 | Inf | -Inf | 5.57 | 3 | Vertical | 254 | 1.84 | - |
| 5825MHz | Pass | PK | 5.549G | 56.18 | 68.20 | -12.02 | 5.06 | 3 | Vertical | 254 | 1.84 | - |
| 5825MHz | Pass | PK | 5.8322G | 112.50 | Inf | -Inf | 5.57 | 3 | Vertical | 254 | 1.84 | - |
| 5825MHz | Pass | PK | 5.9654G | 57.23 | 68.20 | -10.97 | 5.82 | 3 | Vertical | 254 | 1.84 | - |
| 5825MHz | Pass | AV | 5.8178G | 103.35 | Inf | -Inf | 5.44 | 3 | Horizontal | 293 | 1.88 | - |
| 5825MHz | Pass | PK | 5.6282G | 56.26 | 68.20 | -11.94 | 5.10 | 3 | Horizontal | 293 | 1.88 | - |
| 5825MHz | Pass | PK | 5.819G | 114.23 | Inf | -Inf | 5.45 | 3 | Horizontal | 293 | 1.88 | - |
| 5825MHz | Pass | PK | 5.969G | 57.04 | 68.20 | -11.16 | 5.73 | 3 | Horizontal | 293 | 1.88 | - |
| 5825MHz | Pass | AV | 11.65612G | 42.58 | 54.00 | -11.42 | 15.62 | 3 | Vertical | 114 | 1.97 | - |
| 5825MHz | Pass | PK | 11.65642G | 55.21 | 74.00 | -18.79 | 15.62 | 3 | Vertical | 114 | 1.97 | - |
| 5825MHz | Pass | PK | 17.4621G | 65.06 | 68.20 | -3.14 | 23.13 | 3 | Vertical | 184 | 1.54 | - |
| 5825MHz | Pass | AV | 11.65576G | 43.99 | 54.00 | -10.01 | 15.62 | 3 | Horizontal | 56 | 1.67 | - |
| 5825MHz | Pass | PK | 11.65624G | 56.95 | 74.00 | -17.05 | 15.62 | 3 | Horizontal | 56 | 1.67 | - |
| 5825MHz | Pass | PK | 17.47068G | 66.86 | 68.20 | -1.34 | 23.18 | 3 | Horizontal | 239 | 1.50 | - |
| 802.11ac VHT20_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5180MHz | Pass | AV | 5.1498G | 53.56 | 54.00 | -0.44 | 4.20 | 3 | Vertical | 170 | 1.90 | - |
| 5180MHz | Pass | AV | 5.1852G | 103.67 | Inf | -Inf | 4.27 | 3 | Vertical | 170 | 1.90 | - |

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5180MHz | Pass | PK | 5.1484G | 71.07 | 74.00 | -2.93 | 4.19 | 3 | Vertical | 170 | 1.90 | - |
| 5180MHz | Pass | PK | 5.1852G | 114.15 | Inf | -Inf | 4.27 | 3 | Vertical | 170 | 1.90 | - |
| 5180MHz | Pass | AV | 5.1498G | 48.84 | 54.00 | -5.16 | 4.20 | 3 | Horizontal | 168 | 1.35 | - |
| 5180MHz | Pass | AV | 5.1852G | 99.55 | Inf | -Inf | 4.27 | 3 | Horizontal | 168 | 1.35 | - |
| 5180MHz | Pass | PK | 5.146G | 65.82 | 74.00 | -8.18 | 4.19 | 3 | Horizontal | 168 | 1.35 | - |
| 5180MHz | Pass | PK | 5.1816G | 110.53 | Inf | -Inf | 4.27 | 3 | Horizontal | 168 | 1.35 | - |
| 5180MHz | Pass | AV | 15.5372G | 48.76 | 54.00 | -5.24 | 17.02 | 3 | Vertical | 174 | 1.50 | - |
| 5180MHz | Pass | PK | 10.35988G | 55.24 | 68.20 | -12.96 | 14.83 | 3 | Vertical | 333 | 2.65 | - |
| 5180MHz | Pass | PK | 15.5382G | 63.95 | 74.00 | -10.05 | 17.01 | 3 | Vertical | 174 | 1.50 | - |
| 5180MHz | Pass | AV | 15.5358G | 51.51 | 54.00 | -2.49 | 17.03 | 3 | Horizontal | 297 | 1.76 | - |
| 5180MHz | Pass | PK | 10.35208G | 53.61 | 68.20 | -14.59 | 14.81 | 3 | Horizontal | 140 | 1.50 | - |
| 5180MHz | Pass | PK | 15.538G | 68.79 | 74.00 | -5.21 | 17.02 | 3 | Horizontal | 297 | 1.76 | - |
| 5200MHz | Pass | AV | 5.15G | 47.62 | 54.00 | -6.38 | 4.37 | 3 | Vertical | 246 | 1.00 | - |
| 5200MHz | Pass | AV | 5.1932G | 107.56 | Inf | -Inf | 4.45 | 3 | Vertical | 246 | 1.00 | - |
| 5200MHz | Pass | PK | 5.15G | 65.94 | 74.00 | -8.06 | 4.37 | 3 | Vertical | 246 | 1.00 | - |
| 5200MHz | Pass | PK | 5.1936G | 118.66 | Inf | -Inf | 4.45 | 3 | Vertical | 246 | 1.00 | - |
| 5200MHz | Pass | AV | 5.15G | 44.72 | 54.00 | -9.28 | 4.37 | 3 | Horizontal | 161 | 1.46 | - |
| 5200MHz | Pass | AV | 5.1984G | 104.32 | Inf | -Inf | 4.46 | 3 | Horizontal | 161 | 1.46 | - |
| 5200MHz | Pass | PK | 5.14G | 58.04 | 74.00 | -15.96 | 4.35 | 3 | Horizontal | 161 | 1.46 | - |
| 5200MHz | Pass | PK | 5.2016G | 115.21 | Inf | -Inf | 4.46 | 3 | Horizontal | 161 | 1.46 | - |
| 5200MHz | Pass | AV | 15.596G | 53.61 | 54.00 | -0.39 | 16.82 | 3 | Vertical | 177 | 1.67 | - |
| 5200MHz | Pass | PK | 10.39981G | 56.23 | 68.20 | -11.97 | 14.88 | 3 | Vertical | 253 | 2.92 | - |
| 5200MHz | Pass | PK | 15.5951G | 69.01 | 74.00 | -4.99 | 16.83 | 3 | Vertical | 177 | 1.67 | - |
| 5200MHz | Pass | AV | 15.5953G | 52.78 | 54.00 | -1.22 | 16.83 | 3 | Horizontal | 297 | 1.50 | - |
| 5200MHz | Pass | PK | 10.39856G | 55.93 | 68.20 | -12.27 | 14.88 | 3 | Horizontal | 66 | 1.76 | - |
| 5200MHz | Pass | PK | 15.5968G | 68.79 | 74.00 | -5.21 | 16.82 | 3 | Horizontal | 297 | 1.50 | - |
| 5240MHz | Pass | AV | 5.1194G | 44.46 | 54.00 | -9.54 | 4.32 | 3 | Vertical | 62 | 1.95 | - |
| 5240MHz | Pass | AV | 5.2466G | 107.81 | Inf | -Inf | 4.54 | 3 | Vertical | 62 | 1.95 | - |
| 5240MHz | Pass | AV | 5.3528G | 44.17 | 54.00 | -9.83 | 4.72 | 3 | Vertical | 62 | 1.95 | - |
| 5240MHz | Pass | PK | 5.1482G | 57.39 | 74.00 | -16.61 | 4.36 | 3 | Vertical | 62 | 1.95 | - |
| 5240MHz | Pass | PK | 5.2472G | 118.70 | Inf | -Inf | 4.54 | 3 | Vertical | 62 | 1.95 | - |
| 5240MHz | Pass | PK | 5.366G | 56.85 | 74.00 | -17.15 | 4.75 | 3 | Vertical | 62 | 1.95 | - |
| 5240MHz | Pass | AV | 5.1194G | 44.16 | 54.00 | -9.84 | 4.32 | 3 | Horizontal | 172 | 1.91 | - |
| 5240MHz | Pass | AV | 5.2376G | 105.32 | Inf | -Inf | 4.53 | 3 | Horizontal | 172 | 1.91 | - |
| 5240MHz | Pass | AV | 5.351G | 43.97 | 54.00 | -10.03 | 4.72 | 3 | Horizontal | 172 | 1.91 | - |
| 5240MHz | Pass | PK | 5.1392G | 56.86 | 74.00 | -17.14 | 4.35 | 3 | Horizontal | 172 | 1.91 | - |
| 5240MHz | Pass | PK | 5.2418G | 116.11 | Inf | -Inf | 4.53 | 3 | Horizontal | 172 | 1.91 | - |
| 5240MHz | Pass | PK | 5.3786G | 57.56 | 74.00 | -16.44 | 4.76 | 3 | Horizontal | 172 | 1.91 | - |
| 5240MHz | Pass | AV | 15.71568G | 53.35 | 54.00 | -0.65 | 16.43 | 3 | Vertical | 176 | 1.68 | - |
| 5240MHz | Pass | PK | 10.48378G | 55.48 | 68.20 | -12.72 | 15.13 | 3 | Vertical | 238 | 1.61 | - |
| 5240MHz | Pass | PK | 15.71682G | 69.46 | 74.00 | -4.54 | 16.42 | 3 | Vertical | 176 | 1.68 | - |
| 5240MHz | Pass | AV | 15.71826G | 51.47 | 54.00 | -2.53 | 16.41 | 3 | Horizontal | 317 | 2.75 | - |
| 5240MHz | Pass | PK | 10.48864G | 57.05 | 68.20 | -11.15 | 15.14 | 3 | Horizontal | 239 | 1.58 | - |
| 5240MHz | Pass | PK | 15.71586G | 67.21 | 74.00 | -6.79 | 16.43 | 3 | Horizontal | 317 | 2.75 | - |
| 802.11ac VHT20_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5745MHz | Pass | AV | 5.7378G | 106.78 | Inf | -Inf | 5.30 | 3 | Vertical | 14 | 1.01 | - |
| 5745MHz | Pass | PK | 5.649G | 61.75 | 68.20 | -6.45 | 5.14 | 3 | Vertical | 14 | 1.01 | - |
| 5745MHz | Pass | PK | 5.739G | 116.90 | Inf | -Inf | 5.30 | 3 | Vertical | 14 | 1.01 | - |
| 5745MHz | Pass | PK | 5.9286G | 57.41 | 68.20 | -10.79 | 5.64 | 3 | Vertical | 14 | 1.01 | - |

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5745MHz | Pass | AV | 5.7414G | 109.58 | Inf | -Inf | 5.31 | 3 | Horizontal | 11 | 2.51 | - |
| 5745MHz | Pass | PK | 5.6502G | 62.00 | 68.35 | -6.35 | 5.14 | 3 | Horizontal | 11 | 2.51 | - |
| 5745MHz | Pass | PK | 5.7414G | 120.09 | Inf | -Inf | 5.31 | 3 | Horizontal | 11 | 2.51 | - |
| 5745MHz | Pass | PK | 5.9442G | 56.74 | 68.20 | -11.46 | 5.67 | 3 | Horizontal | 11 | 2.51 | - |
| 5745MHz | Pass | AV | 11.49378G | 43.05 | 54.00 | -10.95 | 15.79 | 3 | Vertical | 219 | 1.90 | - |
| 5745MHz | Pass | PK | 11.49288G | 56.68 | 74.00 | -17.32 | 15.79 | 3 | Vertical | 219 | 1.90 | - |
| 5745MHz | Pass | PK | 17.23878G | 66.23 | 68.20 | -1.97 | 22.02 | 3 | Vertical | 116 | 1.01 | - |
| 5745MHz | Pass | AV | 11.48022G | 43.26 | 54.00 | -10.74 | 15.81 | 3 | Horizontal | 359 | 1.48 | - |
| 5745MHz | Pass | PK | 11.49972G | 57.79 | 74.00 | -16.21 | 15.79 | 3 | Horizontal | 359 | 1.48 | - |
| 5745MHz | Pass | PK | 17.229G | 65.94 | 68.20 | -2.26 | 21.95 | 3 | Horizontal | 294 | 1.49 | - |
| 5785MHz | Pass | AV | 5.7802G | 103.00 | Inf | -Inf | 5.48 | 3 | Vertical | 323 | 1.15 | - |
| 5785MHz | Pass | PK | 5.5414G | 56.30 | 68.20 | -11.90 | 5.04 | 3 | Vertical | 323 | 1.15 | - |
| 5785MHz | Pass | PK | 5.779G | 113.99 | Inf | -Inf | 5.48 | 3 | Vertical | 323 | 1.15 | - |
| 5785MHz | Pass | PK | 5.947G | 57.09 | 68.20 | -11.11 | 5.78 | 3 | Vertical | 323 | 1.15 | - |
| 5785MHz | Pass | AV | 5.7838G | 103.94 | Inf | -Inf | 5.48 | 3 | Horizontal | 223 | 1.75 | - |
| 5785MHz | Pass | PK | 5.5774G | 56.75 | 68.20 | -11.45 | 5.11 | 3 | Horizontal | 223 | 1.75 | - |
| 5785MHz | Pass | PK | 5.7838G | 114.71 | Inf | -Inf | 5.48 | 3 | Horizontal | 223 | 1.75 | - |
| 5785MHz | Pass | PK | 5.9698G | 56.66 | 68.20 | -11.54 | 5.83 | 3 | Horizontal | 223 | 1.75 | - |
| 5785MHz | Pass | AV | 11.5739G | 41.39 | 54.00 | -12.61 | 15.71 | 3 | Vertical | 3 | 1.88 | - |
| 5785MHz | Pass | PK | 11.56592G | 55.43 | 74.00 | -18.57 | 15.72 | 3 | Vertical | 3 | 1.88 | - |
| 5785MHz | Pass | PK | 17.36328G | 63.99 | 68.20 | -4.21 | 22.50 | 3 | Vertical | 265 | 1.50 | - |
| 5785MHz | Pass | AV | 11.56886G | 42.08 | 54.00 | -11.92 | 15.72 | 3 | Horizontal | 145 | 1.54 | - |
| 5785MHz | Pass | PK | 11.56802G | 57.22 | 74.00 | -16.78 | 15.72 | 3 | Horizontal | 145 | 1.54 | - |
| 5785MHz | Pass | PK | 17.34996G | 68.03 | 68.20 | -0.17 | 22.41 | 3 | Horizontal | 328 | 1.88 | - |
| 5825MHz | Pass | AV | 5.8202G | 102.62 | Inf | -Inf | 5.55 | 3 | Vertical | 322 | 1.07 | - |
| 5825MHz | Pass | PK | 5.5358G | 56.57 | 68.20 | -11.63 | 5.03 | 3 | Vertical | 322 | 1.07 | - |
| 5825MHz | Pass | PK | 5.8214G | 113.57 | Inf | -Inf | 5.55 | 3 | Vertical | 322 | 1.07 | - |
| 5825MHz | Pass | PK | 5.9606G | 56.75 | 68.20 | -11.45 | 5.80 | 3 | Vertical | 322 | 1.07 | - |
| 5825MHz | Pass | AV | 5.825G | 103.95 | Inf | -Inf | 5.57 | 3 | Horizontal | 224 | 1.00 | - |
| 5825MHz | Pass | PK | 5.6486G | 57.07 | 68.20 | -11.13 | 5.24 | 3 | Horizontal | 224 | 1.00 | - |
| 5825MHz | Pass | PK | 5.8262G | 115.69 | Inf | -Inf | 5.56 | 3 | Horizontal | 224 | 1.00 | - |
| 5825MHz | Pass | PK | 5.9582G | 57.10 | 68.20 | -11.10 | 5.80 | 3 | Horizontal | 224 | 1.00 | - |
| 5825MHz | Pass | AV | 11.6563G | 41.38 | 54.00 | -12.62 | 15.62 | 3 | Vertical | 111 | 1.76 | - |
| 5825MHz | Pass | PK | 11.65702G | 55.46 | 74.00 | -18.54 | 15.62 | 3 | Vertical | 111 | 1.76 | - |
| 5825MHz | Pass | PK | 17.4723G | 64.88 | 68.20 | -3.32 | 23.19 | 3 | Vertical | 34 | 1.63 | - |
| 5825MHz | Pass | AV | 11.65504G | 42.95 | 54.00 | -11.05 | 15.62 | 3 | Horizontal | 55 | 1.68 | - |
| 5825MHz | Pass | PK | 11.6554G | 57.14 | 74.00 | -16.86 | 15.62 | 3 | Horizontal | 55 | 1.68 | - |
| 5825MHz | Pass | PK | 17.4696G | 67.70 | 68.20 | -0.50 | 23.17 | 3 | Horizontal | 251 | 1.66 | - |
| 802.11ac VHT40_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5190MHz | Pass | AV | 5.1388G | 52.34 | 54.00 | -1.66 | 4.17 | 3 | Vertical | 169 | 1.76 | - |
| 5190MHz | Pass | AV | 5.1976G | 100.33 | Inf | -Inf | 4.30 | 3 | Vertical | 169 | 1.76 | - |
| 5190MHz | Pass | PK | 5.1476G | 67.45 | 74.00 | -6.55 | 4.19 | 3 | Vertical | 169 | 1.76 | - |
| 5190MHz | Pass | PK | 5.1972G | 109.64 | Inf | -Inf | 4.30 | 3 | Vertical | 169 | 1.76 | - |
| 5190MHz | Pass | AV | 5.15G | 53.66 | 54.00 | -0.34 | 4.20 | 3 | Horizontal | 287 | 1.87 | - |
| 5190MHz | Pass | AV | 5.188G | 97.00 | Inf | -Inf | 4.27 | 3 | Horizontal | 287 | 1.87 | - |
| 5190MHz | Pass | PK | 5.15G | 69.34 | 74.00 | -4.66 | 4.20 | 3 | Horizontal | 287 | 1.87 | - |
| 5190MHz | Pass | PK | 5.1872G | 106.66 | Inf | -Inf | 4.27 | 3 | Horizontal | 287 | 1.87 | - |
| 5190MHz | Pass | AV | 15.5454G | 46.97 | 54.00 | -7.03 | 16.99 | 3 | Vertical | 322 | 1.50 | - |
| 5190MHz | Pass | PK | 10.37998G | 54.21 | 68.20 | -13.99 | 14.88 | 3 | Vertical | 334 | 2.69 | - |

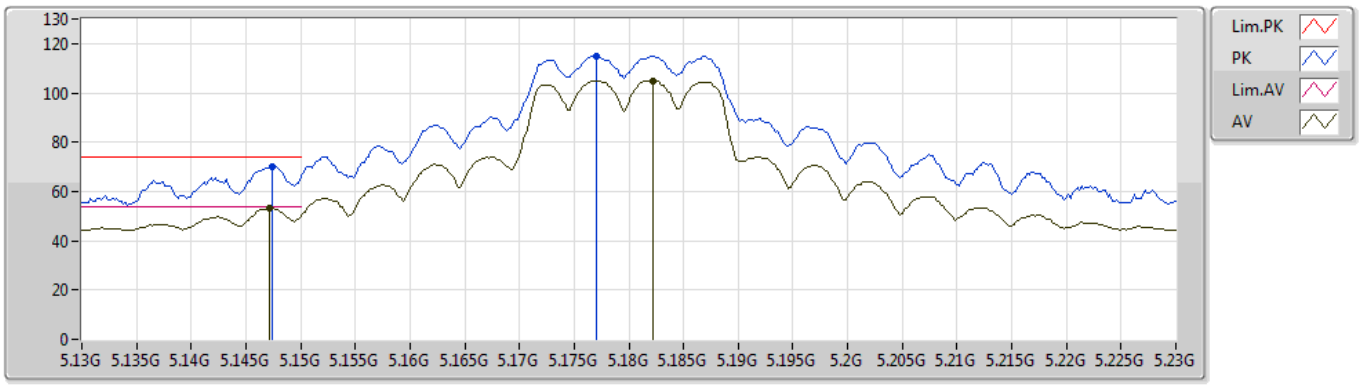
| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5190MHz | Pass | PK | 15.5458G | 59.62 | 74.00 | -14.38 | 16.99 | 3 | Vertical | 322 | 1.50 | - |
| 5190MHz | Pass | AV | 15.545G | 47.00 | 54.00 | -7.00 | 16.99 | 3 | Horizontal | 285 | 2.24 | - |
| 5190MHz | Pass | PK | 10.38017G | 53.45 | 68.20 | -14.75 | 14.88 | 3 | Horizontal | 156 | 1.73 | - |
| 5190MHz | Pass | PK | 15.546G | 59.82 | 74.00 | -14.18 | 16.99 | 3 | Horizontal | 285 | 2.24 | - |
| 5230MHz | Pass | AV | 5.1428G | 51.18 | 54.00 | -2.82 | 4.36 | 3 | Vertical | 246 | 1.00 | - |
| 5230MHz | Pass | AV | 5.2416G | 105.76 | Inf | -Inf | 4.53 | 3 | Vertical | 246 | 1.00 | - |
| 5230MHz | Pass | PK | 5.1428G | 67.73 | 74.00 | -6.27 | 4.36 | 3 | Vertical | 246 | 1.00 | - |
| 5230MHz | Pass | PK | 5.2424G | 115.79 | Inf | -Inf | 4.53 | 3 | Vertical | 246 | 1.00 | - |
| 5230MHz | Pass | AV | 5.15G | 51.80 | 54.00 | -2.20 | 4.37 | 3 | Horizontal | 162 | 1.36 | - |
| 5230MHz | Pass | AV | 5.2316G | 102.30 | Inf | -Inf | 4.51 | 3 | Horizontal | 162 | 1.36 | - |
| 5230MHz | Pass | PK | 5.1472G | 65.81 | 74.00 | -8.19 | 4.36 | 3 | Horizontal | 162 | 1.36 | - |
| 5230MHz | Pass | PK | 5.2288G | 111.86 | Inf | -Inf | 4.51 | 3 | Horizontal | 162 | 1.36 | - |
| 5230MHz | Pass | AV | 15.6849G | 53.32 | 54.00 | -0.68 | 16.53 | 3 | Vertical | 177 | 1.81 | - |
| 5230MHz | Pass | PK | 10.4714G | 55.83 | 68.20 | -12.37 | 15.05 | 3 | Vertical | 256 | 2.96 | - |
| 5230MHz | Pass | PK | 15.6835G | 66.11 | 74.00 | -7.89 | 16.53 | 3 | Vertical | 177 | 1.81 | - |
| 5230MHz | Pass | AV | 15.6819G | 52.11 | 54.00 | -1.89 | 16.55 | 3 | Horizontal | 302 | 1.05 | - |
| 5230MHz | Pass | PK | 10.4492G | 56.06 | 68.20 | -12.14 | 14.99 | 3 | Horizontal | 64 | 1.67 | - |
| 5230MHz | Pass | PK | 15.683G | 65.60 | 74.00 | -8.40 | 16.53 | 3 | Horizontal | 302 | 1.05 | - |
| 802.11ac VHT40_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5755MHz | Pass | AV | 5.7526G | 106.95 | Inf | -Inf | 5.32 | 3 | Vertical | 15 | 2.28 | - |
| 5755MHz | Pass | PK | 5.6506G | 67.71 | 68.64 | -0.93 | 5.14 | 3 | Vertical | 15 | 2.28 | - |
| 5755MHz | Pass | PK | 5.7538G | 116.20 | Inf | -Inf | 5.33 | 3 | Vertical | 15 | 2.28 | - |
| 5755MHz | Pass | PK | 5.971G | 57.25 | 68.20 | -10.95 | 5.73 | 3 | Vertical | 15 | 2.28 | - |
| 5755MHz | Pass | AV | 5.7526G | 107.12 | Inf | -Inf | 5.32 | 3 | Horizontal | 16 | 2.26 | - |
| 5755MHz | Pass | PK | 5.6518G | 67.85 | 69.53 | -1.68 | 5.14 | 3 | Horizontal | 16 | 2.26 | - |
| 5755MHz | Pass | PK | 5.7526G | 116.54 | Inf | -Inf | 5.32 | 3 | Horizontal | 16 | 2.26 | - |
| 5755MHz | Pass | PK | 5.983G | 57.38 | 68.20 | -10.82 | 5.75 | 3 | Horizontal | 16 | 2.26 | - |
| 5755MHz | Pass | AV | 11.51366G | 42.52 | 54.00 | -11.48 | 15.76 | 3 | Vertical | 206 | 1.87 | - |
| 5755MHz | Pass | PK | 11.52164G | 54.98 | 74.00 | -19.02 | 15.76 | 3 | Vertical | 206 | 1.87 | - |
| 5755MHz | Pass | PK | 17.25876G | 64.80 | 68.20 | -3.40 | 22.16 | 3 | Vertical | 251 | 2.17 | - |
| 5755MHz | Pass | AV | 11.50058G | 42.67 | 54.00 | -11.33 | 15.78 | 3 | Horizontal | 360 | 1.49 | - |
| 5755MHz | Pass | PK | 11.49914G | 55.39 | 74.00 | -18.61 | 15.79 | 3 | Horizontal | 360 | 1.49 | - |
| 5755MHz | Pass | PK | 17.25588G | 64.73 | 68.20 | -3.47 | 22.14 | 3 | Horizontal | 348 | 1.41 | - |
| 5795MHz | Pass | AV | 5.7878G | 105.09 | Inf | -Inf | 5.48 | 3 | Vertical | 0 | 1.76 | - |
| 5795MHz | Pass | PK | 5.657G | 67.34 | 73.38 | -6.04 | 5.26 | 3 | Vertical | 0 | 1.76 | - |
| 5795MHz | Pass | PK | 5.7866G | 115.43 | Inf | -Inf | 5.48 | 3 | Vertical | 0 | 1.76 | - |
| 5795MHz | Pass | PK | 5.9354G | 61.35 | 68.20 | -6.85 | 5.76 | 3 | Vertical | 0 | 1.76 | - |
| 5795MHz | Pass | AV | 5.7962G | 102.95 | Inf | -Inf | 5.50 | 3 | Horizontal | 12 | 1.96 | - |
| 5795MHz | Pass | PK | 5.6498G | 61.04 | 68.20 | -7.16 | 5.24 | 3 | Horizontal | 12 | 1.96 | - |
| 5795MHz | Pass | PK | 5.7938G | 113.14 | Inf | -Inf | 5.50 | 3 | Horizontal | 12 | 1.96 | - |
| 5795MHz | Pass | PK | 5.9342G | 60.32 | 68.20 | -7.88 | 5.76 | 3 | Horizontal | 12 | 1.96 | - |
| 5795MHz | Pass | AV | 11.58982G | 43.38 | 54.00 | -10.62 | 15.69 | 3 | Vertical | 194 | 1.39 | - |
| 5795MHz | Pass | PK | 11.59612G | 55.90 | 74.00 | -18.10 | 15.68 | 3 | Vertical | 194 | 1.39 | - |
| 5795MHz | Pass | PK | 17.38398G | 64.31 | 68.20 | -3.89 | 22.63 | 3 | Vertical | 172 | 1.51 | - |
| 5795MHz | Pass | AV | 11.59426G | 44.64 | 54.00 | -9.36 | 15.69 | 3 | Horizontal | 145 | 1.49 | - |
| 5795MHz | Pass | PK | 11.59462G | 57.10 | 74.00 | -16.90 | 15.69 | 3 | Horizontal | 145 | 1.49 | - |
| 5795MHz | Pass | PK | 17.38038G | 67.99 | 68.20 | -0.21 | 22.60 | 3 | Horizontal | 333 | 1.49 | - |
| 802.11ac VHT80_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5210MHz | Pass | AV | 5.138G | 52.58 | 54.00 | -1.42 | 4.17 | 3 | Vertical | 169 | 1.68 | - |

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5210MHz | Pass | AV | 5.218G | 94.10 | Inf | -Inf | 4.33 | 3 | Vertical | 169 | 1.68 | - |
| 5210MHz | Pass | AV | 5.352G | 44.52 | 54.00 | -9.48 | 4.59 | 3 | Vertical | 169 | 1.68 | - |
| 5210MHz | Pass | PK | 5.137G | 65.71 | 74.00 | -8.29 | 4.17 | 3 | Vertical | 169 | 1.68 | - |
| 5210MHz | Pass | PK | 5.219G | 103.36 | Inf | -Inf | 4.33 | 3 | Vertical | 169 | 1.68 | - |
| 5210MHz | Pass | PK | 5.377G | 56.26 | 74.00 | -17.74 | 4.64 | 3 | Vertical | 169 | 1.68 | - |
| 5210MHz | Pass | AV | 5.15G | 49.25 | 54.00 | -4.75 | 4.20 | 3 | Horizontal | 266 | 1.01 | - |
| 5210MHz | Pass | AV | 5.209G | 90.95 | Inf | -Inf | 4.32 | 3 | Horizontal | 266 | 1.01 | - |
| 5210MHz | Pass | AV | 5.353G | 44.17 | 54.00 | -9.83 | 4.59 | 3 | Horizontal | 266 | 1.01 | - |
| 5210MHz | Pass | PK | 5.15G | 62.83 | 74.00 | -11.17 | 4.20 | 3 | Horizontal | 266 | 1.01 | - |
| 5210MHz | Pass | PK | 5.208G | 100.23 | Inf | -Inf | 4.31 | 3 | Horizontal | 266 | 1.01 | - |
| 5210MHz | Pass | PK | 5.455G | 56.71 | 74.00 | -17.29 | 4.78 | 3 | Horizontal | 266 | 1.01 | - |
| 5210MHz | Pass | AV | 15.6218G | 45.96 | 54.00 | -8.04 | 16.74 | 3 | Vertical | 235 | 1.09 | - |
| 5210MHz | Pass | PK | 10.41984G | 54.10 | 68.20 | -14.10 | 14.98 | 3 | Vertical | 328 | 1.48 | - |
| 5210MHz | Pass | PK | 15.6158G | 59.17 | 74.00 | -14.83 | 16.75 | 3 | Vertical | 235 | 1.09 | - |
| 5210MHz | Pass | AV | 15.6082G | 46.10 | 54.00 | -7.90 | 16.78 | 3 | Horizontal | 281 | 1.50 | - |
| 5210MHz | Pass | PK | 10.42032G | 54.54 | 68.20 | -13.66 | 14.98 | 3 | Horizontal | 156 | 1.67 | - |
| 5210MHz | Pass | PK | 15.6202G | 58.95 | 74.00 | -15.05 | 16.75 | 3 | Horizontal | 281 | 1.50 | - |
| 802.11ac VHT80_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5775MHz | Pass | AV | 5.7666G | 96.60 | Inf | -Inf | 5.35 | 3 | Vertical | 4 | 1.58 | - |
| 5775MHz | Pass | PK | 5.649G | 65.68 | 68.20 | -2.52 | 5.14 | 3 | Vertical | 4 | 1.58 | - |
| 5775MHz | Pass | PK | 5.7678G | 106.36 | Inf | -Inf | 5.35 | 3 | Vertical | 4 | 1.58 | - |
| 5775MHz | Pass | PK | 5.9298G | 62.04 | 68.20 | -6.16 | 5.64 | 3 | Vertical | 4 | 1.58 | - |
| 5775MHz | Pass | AV | 5.7522G | 99.25 | Inf | -Inf | 5.32 | 3 | Horizontal | 14 | 2.27 | - |
| 5775MHz | Pass | PK | 5.6322G | 67.81 | 68.20 | -0.39 | 5.11 | 3 | Horizontal | 14 | 2.27 | - |
| 5775MHz | Pass | PK | 5.7726G | 108.98 | Inf | -Inf | 5.36 | 3 | Horizontal | 14 | 2.27 | - |
| 5775MHz | Pass | PK | 5.9334G | 65.88 | 68.20 | -2.32 | 5.66 | 3 | Horizontal | 14 | 2.27 | - |
| 5775MHz | Pass | AV | 11.54172G | 40.16 | 54.00 | -13.84 | 15.73 | 3 | Vertical | 254 | 2.49 | - |
| 5775MHz | Pass | PK | 11.55996G | 54.09 | 74.00 | -19.91 | 15.72 | 3 | Vertical | 254 | 2.49 | - |
| 5775MHz | Pass | PK | 17.3289G | 64.52 | 68.20 | -3.68 | 22.68 | 3 | Vertical | 7 | 2.02 | - |
| 5775MHz | Pass | AV | 11.5614G | 40.91 | 54.00 | -13.09 | 15.71 | 3 | Horizontal | 0 | 1.59 | - |
| 5775MHz | Pass | PK | 11.56014G | 54.03 | 74.00 | -19.97 | 15.72 | 3 | Horizontal | 0 | 1.59 | - |
| 5775MHz | Pass | PK | 17.3133G | 65.24 | 68.20 | -2.96 | 22.56 | 3 | Horizontal | 129 | 2.29 | - |

## 802.11a_Nss1,(6Mbps)_2TX

## 5180MHz_TX

03/09/2019

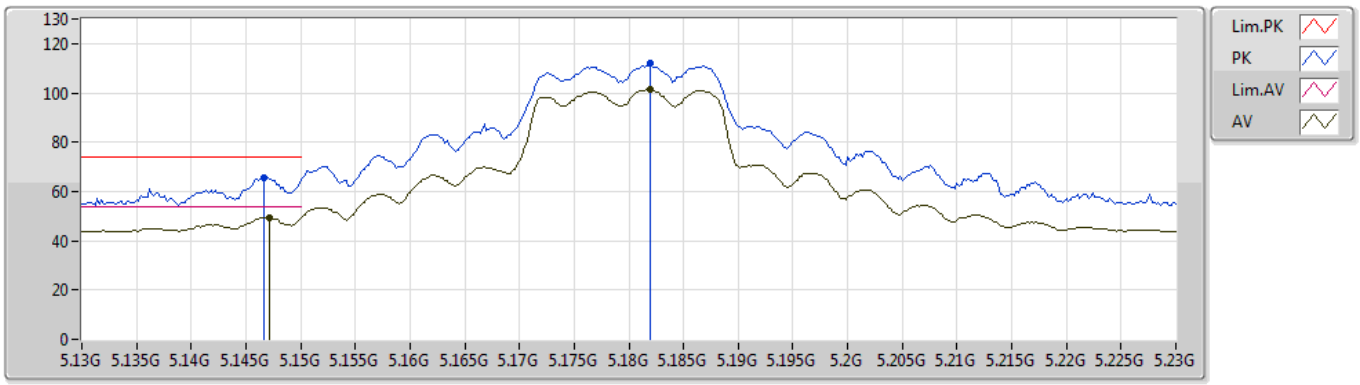



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1472G | 53.43 | 54.00 | -0.57 | 4.19 | 3 | Vertical | 168 | 1.66 | - | 49.24 | 31.59 | 7.03 | 34.43 |
| AV | 5.1822G | 105.02 | Inf | -Inf | 4.27 | 3 | Vertical | 168 | 1.66 | - | 100.75 | 31.61 | 7.08 | 34.42 |
| PK | 5.1474G | 70.24 | 74.00 | -3.76 | 4.19 | 3 | Vertical | 168 | 1.66 | - | 66.05 | 31.59 | 7.03 | 34.43 |
| PK | 5.177G | 114.83 | Inf | -Inf | 4.26 | 3 | Vertical | 168 | 1.66 | - | 110.57 | 31.61 | 7.07 | 34.42 |

## 802.11a_Nss1,(6Mbps)_2TX

## 5180MHz_TX

03/09/2019

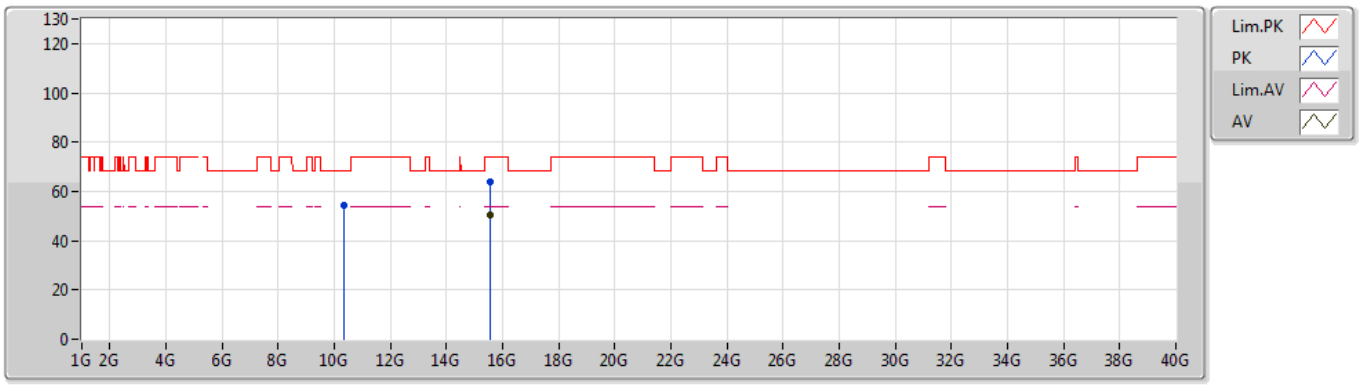



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1472G | 49.57 | 54.00 | -4.43 | 4.19 | 3 | Horizontal | 166 | 1.35 | - | 45.38 | 31.59 | 7.03 | 34.43 |
| AV | 5.182G | 101.33 | Inf | -Inf | 4.27 | 3 | Horizontal | 166 | 1.35 | - | 97.06 | 31.61 | 7.08 | 34.42 |
| PK | 5.1466G | 65.82 | 74.00 | -8.18 | 4.19 | 3 | Horizontal | 166 | 1.35 | - | 61.63 | 31.59 | 7.03 | 34.43 |
| PK | 5.182G | 112.01 | Inf | -Inf | 4.27 | 3 | Horizontal | 166 | 1.35 | - | 107.74 | 31.61 | 7.08 | 34.42 |

## 802.11a_Nss1,(6Mbps)_2TX

## 5180MHz_TX

03/09/2019

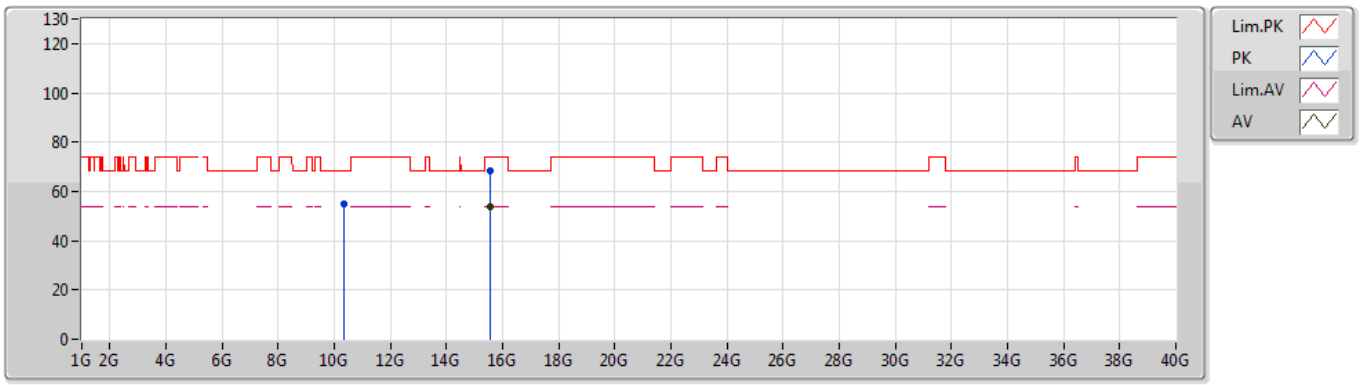



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.5391G | 50.35 | 54.00 | -3.65 | 17.01 | 3 | Vertical | 320 | 2.29 | - | 33.34 | 38.81 | 12.81 | 34.61 |
| PK | 10.35989G | 54.18 | 68.20 | -14.02 | 14.83 | 3 | Vertical | 347 | 1.44 | - | 39.35 | 39.40 | 10.33 | 34.90 |
| PK | 15.5387G | 63.99 | 74.00 | -10.01 | 17.01 | 3 | Vertical | 320 | 2.29 | - | 46.98 | 38.81 | 12.81 | 34.61 |

## 802.11a_Nss1,(6Mbps)_2TX

## 5180MHz_TX

03/09/2019

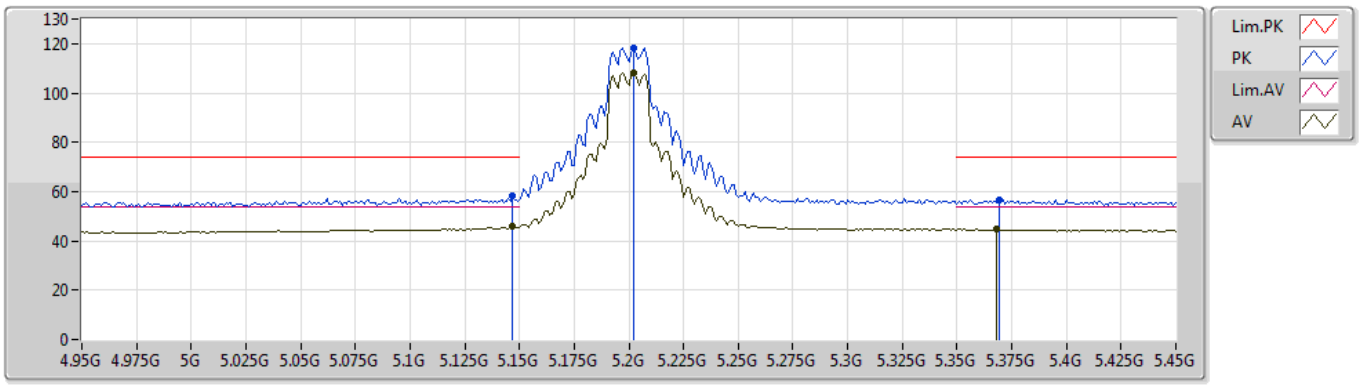



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.539G | 53.76 | 54.00 | -0.24 | 17.01 | 3 | Horizontal | 299 | 1.73 | - | 36.75 | 38.81 | 12.81 | 34.61 |
| PK | 10.36008G | 54.81 | 68.20 | -13.39 | 14.83 | 3 | Horizontal | 145 | 1.48 | - | 39.98 | 39.40 | 10.33 | 34.90 |
| PK | 15.5492G | 68.46 | 74.00 | -5.54 | 16.98 | 3 | Horizontal | 299 | 1.73 | - | 51.48 | 38.77 | 12.83 | 34.62 |

## 802.11a_Nss1,(6Mbps)_2TX

## 5200MHz_TX

03/09/2019

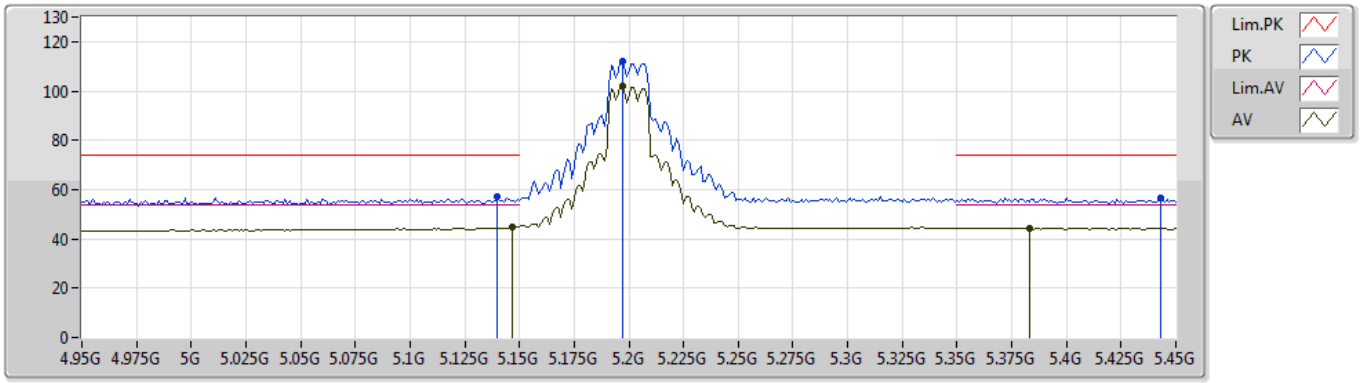



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.147G | 45.81 | 54.00 | -8.19 | 4.36 | 3 | Vertical | 243 | 2.15 | - | 41.45 | 31.76 | 7.03 | 34.43 |
| AV | 5.202G | 108.37 | Inf | -Inf | 4.46 | 3 | Vertical | 243 | 2.15 | - | 103.91 | 31.78 | 7.10 | 34.42 |
| AV | 5.368G | 44.71 | 54.00 | -9.29 | 4.75 | 3 | Vertical | 243 | 2.15 | - | 39.96 | 31.85 | 7.31 | 34.41 |
| PK | 5.147G | 58.03 | 74.00 | -15.97 | 4.36 | 3 | Vertical | 243 | 2.15 | - | 53.67 | 31.76 | 7.03 | 34.43 |
| PK | 5.202G | 118.45 | Inf | -Inf | 4.46 | 3 | Vertical | 243 | 2.15 | - | 113.99 | 31.78 | 7.10 | 34.42 |
| PK | 5.369G | 56.74 | 74.00 | -17.26 | 4.75 | 3 | Vertical | 243 | 2.15 | - | 51.99 | 31.85 | 7.31 | 34.41 |

## 802.11a_Nss1,(6Mbps)_2TX

## 5200MHz_TX

03/09/2019

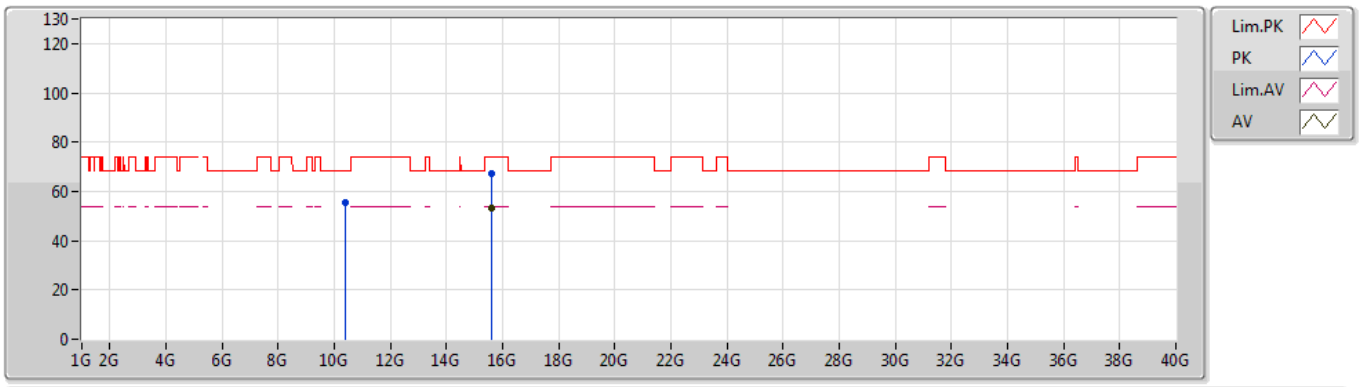



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.147G | 44.86 | 54.00 | -9.14 | 4.36 | 3 | Horizontal | 164 | 1.50 | - | 40.50 | 31.76 | 7.03 | 34.43 |
| AV | 5.197G | 102.02 | Inf | -Inf | 4.46 | 3 | Horizontal | 164 | 1.50 | - | 97.56 | 31.78 | 7.10 | 34.42 |
| AV | 5.383G | 44.43 | 54.00 | -9.57 | 4.77 | 3 | Horizontal | 164 | 1.50 | - | 39.66 | 31.85 | 7.33 | 34.41 |
| PK | 5.14G | 57.11 | 74.00 | -16.89 | 4.35 | 3 | Horizontal | 164 | 1.50 | - | 52.76 | 31.76 | 7.02 | 34.43 |
| PK | 5.197G | 112.32 | Inf | -Inf | 4.46 | 3 | Horizontal | 164 | 1.50 | - | 107.86 | 31.78 | 7.10 | 34.42 |
| PK | 5.443G | 56.76 | 74.00 | -17.24 | 4.87 | 3 | Horizontal | 164 | 1.50 | - | 51.89 | 31.88 | 7.40 | 34.41 |

## 802.11a_Nss1,(6Mbps)_2TX

## 5200MHz_TX

03/09/2019

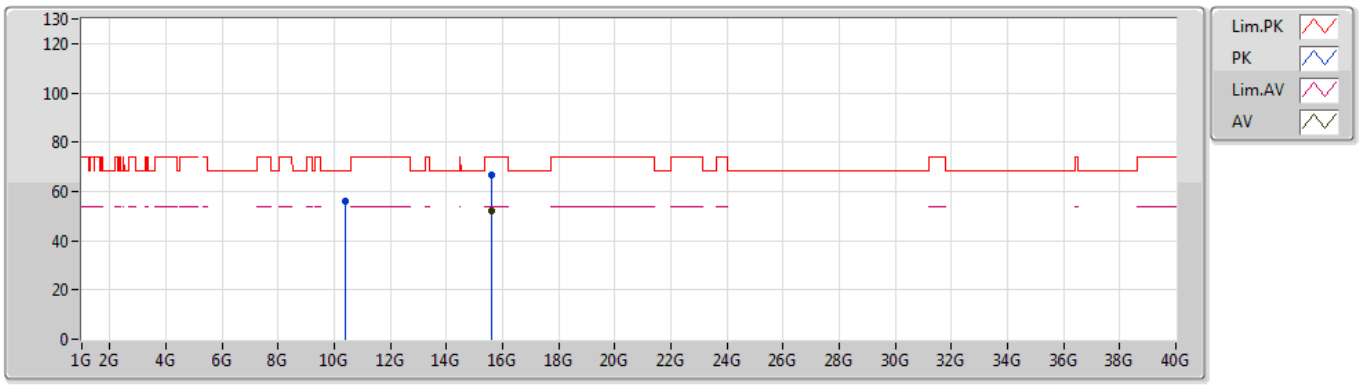



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.59838G | 52.97 | 54.00 | -1.03 | 16.82 | 3 | Vertical | 176 | 1.67 | - | 36.15 | 38.59 | 12.91 | 34.68 |
| PK | 10.40234G | 55.39 | 68.20 | -12.81 | 14.89 | 3 | Vertical | 176 | 3.00 | - | 40.50 | 39.42 | 10.34 | 34.87 |
| PK | 15.59352G | 67.52 | 74.00 | -6.48 | 16.83 | 3 | Vertical | 176 | 1.67 | - | 50.69 | 38.60 | 12.90 | 34.67 |

## 802.11a_Nss1,(6Mbps)_2TX

## 5200MHz_TX

03/09/2019

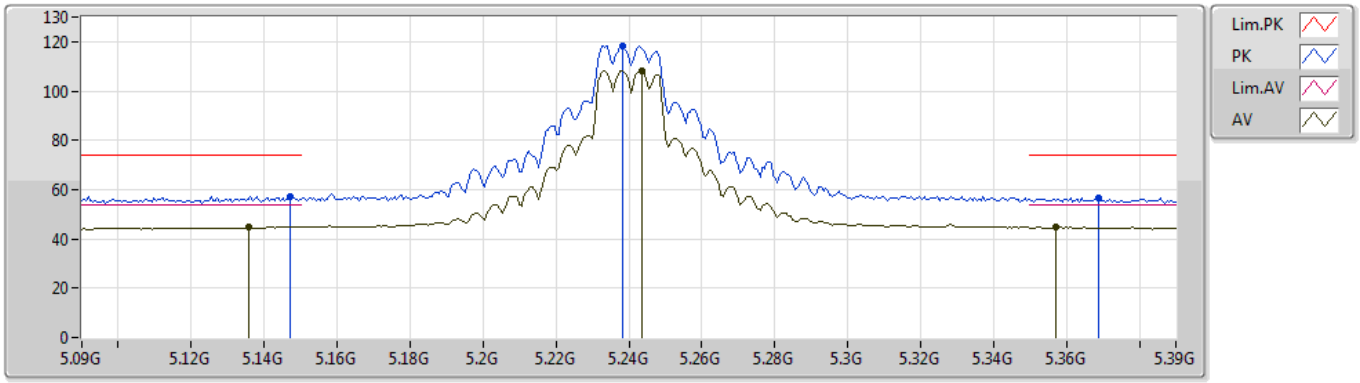



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.59814G | 52.31 | 54.00 | -1.69 | 16.82 | 3 | Horizontal | 297 | 1.50 | - | 35.49 | 38.59 | 12.91 | 34.68 |
| PK | 10.403G | 56.11 | 68.20 | -12.09 | 14.89 | 3 | Horizontal | 27 | 2.20 | - | 41.22 | 39.42 | 10.34 | 34.87 |
| PK | 15.59874G | 66.56 | 74.00 | -7.44 | 16.81 | 3 | Horizontal | 297 | 1.50 | - | 49.75 | 38.58 | 12.91 | 34.68 |

## 802.11a_Nss1,(6Mbps)_2TX

## 5240MHz_TX

03/09/2019

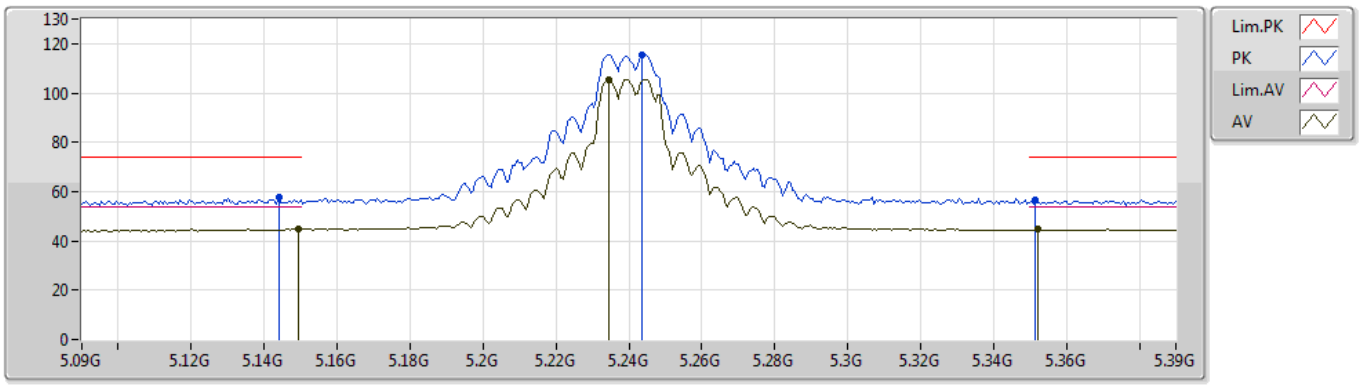



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1356G | 44.93 | 54.00 | -9.07 | 4.34 | 3 | Vertical | 249 | 1.01 | - | 40.59 | 31.75 | 7.02 | 34.43 |
| AV | 5.2436G | 108.03 | Inf | -Inf | 4.53 | 3 | Vertical | 249 | 1.01 | - | 103.50 | 31.80 | 7.15 | 34.42 |
| AV | 5.357G | 44.83 | 54.00 | -9.17 | 4.73 | 3 | Vertical | 249 | 1.01 | - | 40.10 | 31.84 | 7.30 | 34.41 |
| PK | 5.147G | 57.33 | 74.00 | -16.67 | 4.36 | 3 | Vertical | 249 | 1.01 | - | 52.97 | 31.76 | 7.03 | 34.43 |
| PK | 5.2382G | 118.26 | Inf | -Inf | 4.53 | 3 | Vertical | 249 | 1.01 | - | 113.73 | 31.80 | 7.15 | 34.42 |
| PK | 5.369G | 56.75 | 74.00 | -17.25 | 4.75 | 3 | Vertical | 249 | 1.01 | - | 52.00 | 31.85 | 7.31 | 34.41 |

## 802.11a_Nss1,(6Mbps)_2TX

## 5240MHz_TX

03/09/2019

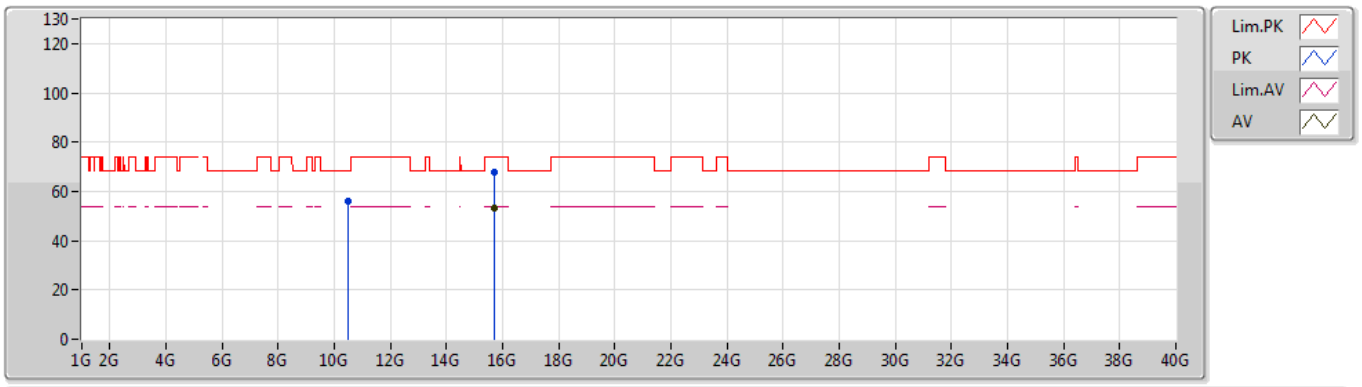



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1494G | 44.84 | 54.00 | -9.16 | 4.37 | 3 | Horizontal | 170 | 1.91 | - | 40.47 | 31.76 | 7.04 | 34.43 |
| AV | 5.2346G | 105.39 | Inf | -Inf | 4.51 | 3 | Horizontal | 170 | 1.91 | - | 100.88 | 31.79 | 7.14 | 34.42 |
| AV | 5.3522G | 44.66 | 54.00 | -9.34 | 4.72 | 3 | Horizontal | 170 | 1.91 | - | 39.94 | 31.84 | 7.29 | 34.41 |
| PK | 5.144G | 57.49 | 74.00 | -16.51 | 4.36 | 3 | Horizontal | 170 | 1.91 | - | 53.13 | 31.76 | 7.03 | 34.43 |
| PK | 5.2436G | 115.63 | Inf | -Inf | 4.53 | 3 | Horizontal | 170 | 1.91 | - | 111.10 | 31.80 | 7.15 | 34.42 |
| PK | 5.3516G | 56.69 | 74.00 | -17.31 | 4.72 | 3 | Horizontal | 170 | 1.91 | - | 51.97 | 31.84 | 7.29 | 34.41 |

## 802.11a_Nss1,(6Mbps)_2TX

## 5240MHz_TX

03/09/2019

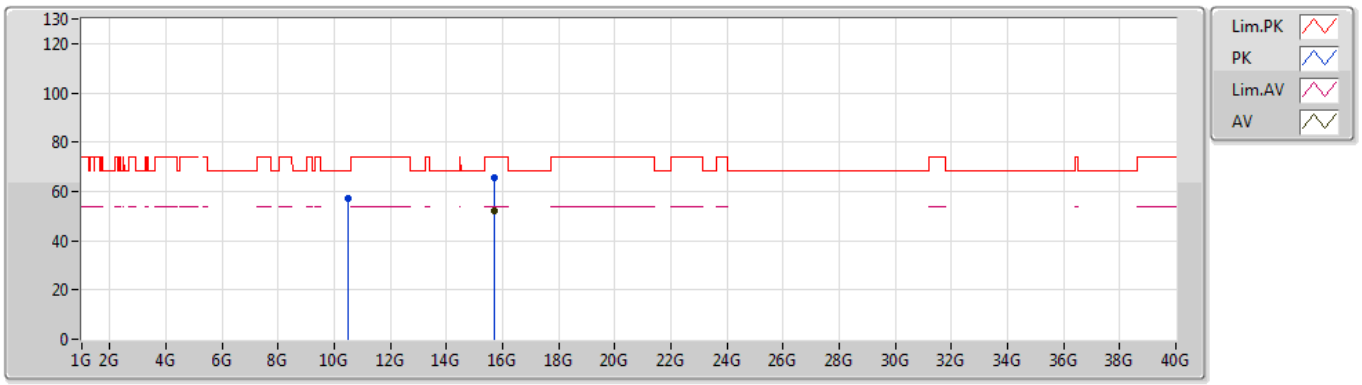



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.71832G | 53.42 | 54.00 | -0.58 | 16.41 | 3 | Vertical | 176 | 1.69 | - | 37.01 | 38.14 | 13.09 | 34.82 |
| PK | 10.48288G | 56.13 | 68.20 | -12.07 | 15.08 | 3 | Vertical | 244 | 1.49 | - | 41.05 | 39.53 | 10.35 | 34.80 |
| PK | 15.72852G | 67.58 | 74.00 | -6.42 | 16.38 | 3 | Vertical | 176 | 1.69 | - | 51.20 | 38.10 | 13.11 | 34.83 |

## 802.11a_Nss1,(6Mbps)_2TX

## 5240MHz_TX

03/09/2019

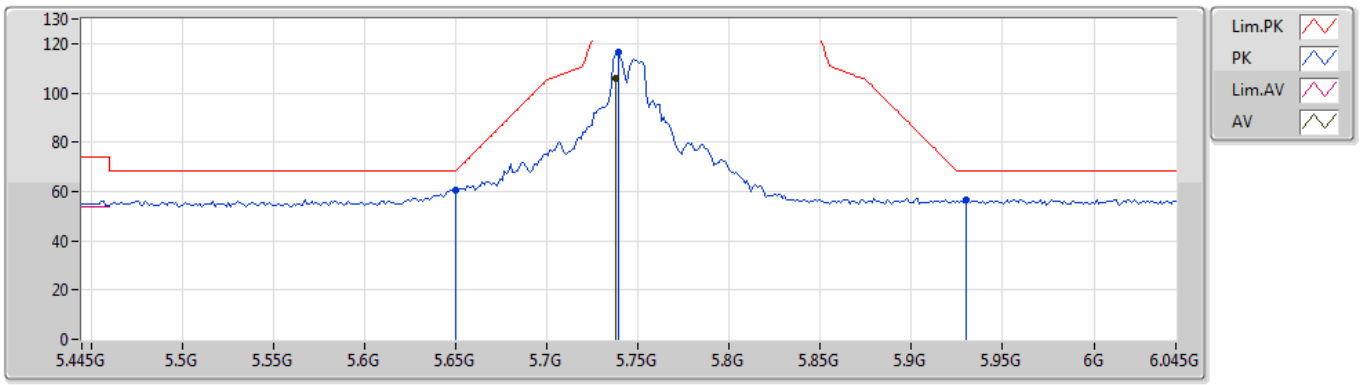



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.71844G | 51.99 | 54.00 | -2.01 | 16.41 | 3 | Horizontal | 298 | 1.50 | - | 35.58 | 38.14 | 13.09 | 34.82 |
| PK | 10.47394G | 57.18 | 68.20 | -11.02 | 15.06 | 3 | Horizontal | 237 | 1.50 | - | 42.12 | 39.52 | 10.35 | 34.81 |
| PK | 15.7227G | 65.71 | 74.00 | -8.29 | 16.41 | 3 | Horizontal | 298 | 1.50 | - | 49.30 | 38.13 | 13.10 | 34.82 |

## 802.11a_Nss1,(6Mbps)_4TX

## 5745MHz_TX

04/09/2019

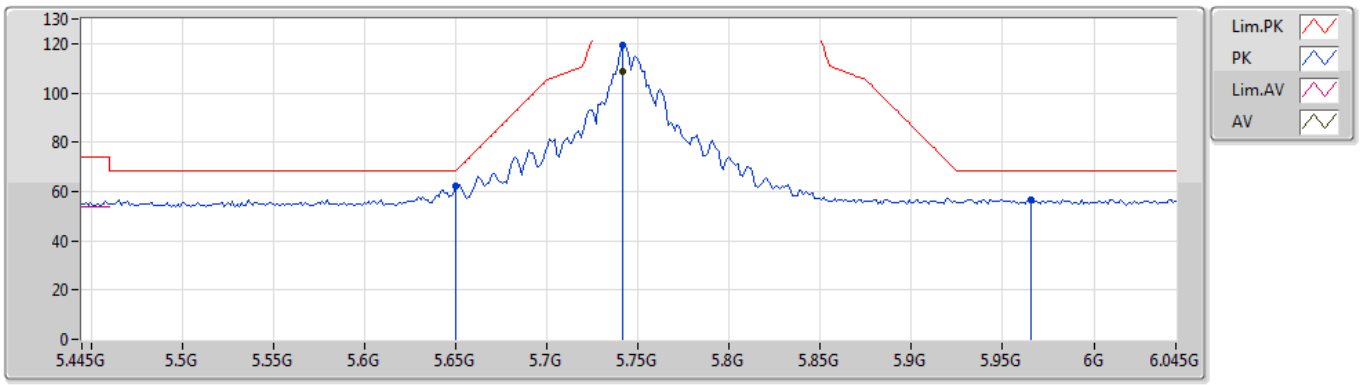



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7378G | 106.02 | Inf | -Inf | 5.30 | 3 | Vertical | 14 | 1.51 | - | 100.72 | 32.13 | 7.63 | 34.46 |
| PK | 5.6502G | 60.64 | 68.35 | -7.71 | 5.14 | 3 | Vertical | 14 | 1.51 | - | 55.50 | 32.01 | 7.57 | 34.44 |
| PK | 5.739G | 116.32 | Inf | -Inf | 5.30 | 3 | Vertical | 14 | 1.51 | - | 111.02 | 32.13 | 7.63 | 34.46 |
| PK | 5.9298G | 56.73 | 68.20 | -11.47 | 5.64 | 3 | Vertical | 14 | 1.51 | - | 51.09 | 32.40 | 7.75 | 34.51 |

## 802.11a_Nss1,(6Mbps)_4TX

## 5745MHz_TX

04/09/2019

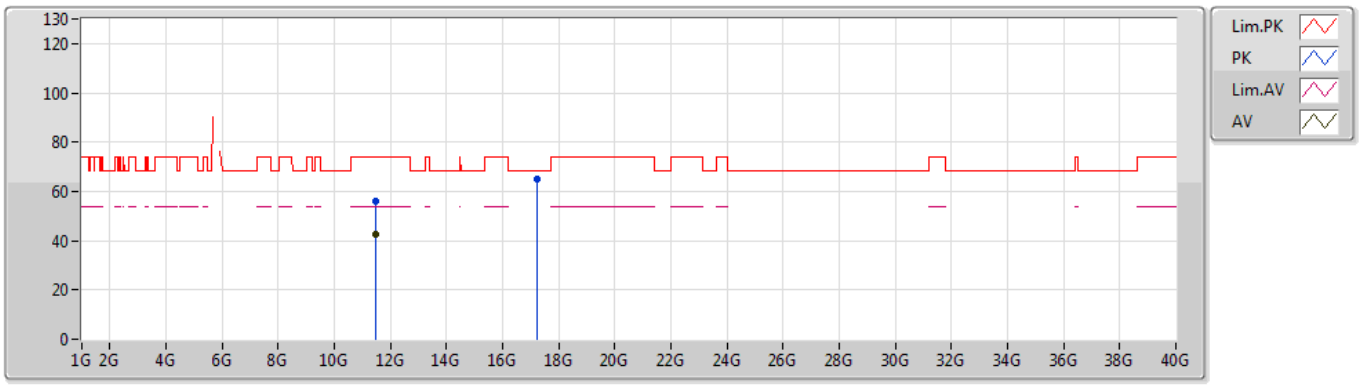



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7414G | 108.98 | Inf | -Inf | 5.31 | 3 | Horizontal | 13 | 2.51 | - | 103.67 | 32.14 | 7.63 | 34.46 |
| PK | 5.6502G | 62.40 | 68.35 | -5.95 | 5.14 | 3 | Horizontal | 13 | 2.51 | - | 57.26 | 32.01 | 7.57 | 34.44 |
| PK | 5.7414G | 119.42 | Inf | -Inf | 5.31 | 3 | Horizontal | 13 | 2.51 | - | 114.11 | 32.14 | 7.63 | 34.46 |
| PK | 5.9658G | 56.69 | 68.20 | -11.51 | 5.72 | 3 | Horizontal | 13 | 2.51 | - | 50.97 | 32.45 | 7.78 | 34.51 |

## 802.11a_Nss1,(6Mbps)_4TX

## 5745MHz_TX

04/09/2019

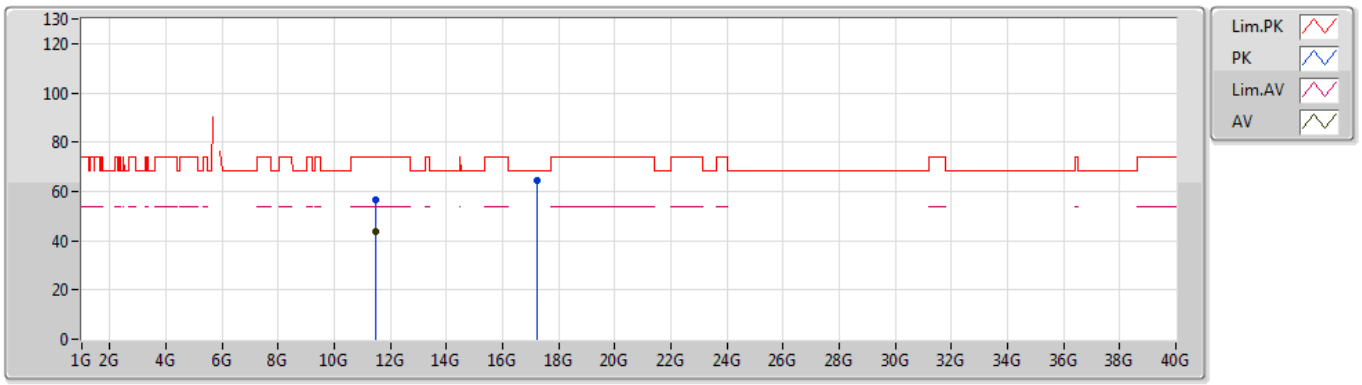



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.49414G | 42.68 | 54.00 | -11.32 | 15.79 | 3 | Vertical | 178 | 1.75 | - | 26.89 | 39.61 | 10.68 | 34.50 |
| PK | 11.49276G | 56.21 | 74.00 | -17.79 | 15.79 | 3 | Vertical | 178 | 1.75 | - | 40.42 | 39.61 | 10.68 | 34.50 |
| PK | 17.226G | 64.73 | 68.20 | -3.47 | 21.92 | 3 | Vertical | 76 | 1.50 | - | 42.81 | 41.79 | 13.90 | 33.77 |

## 802.11a_Nss1,(6Mbps)_4TX

## 5745MHz_TX

04/09/2019

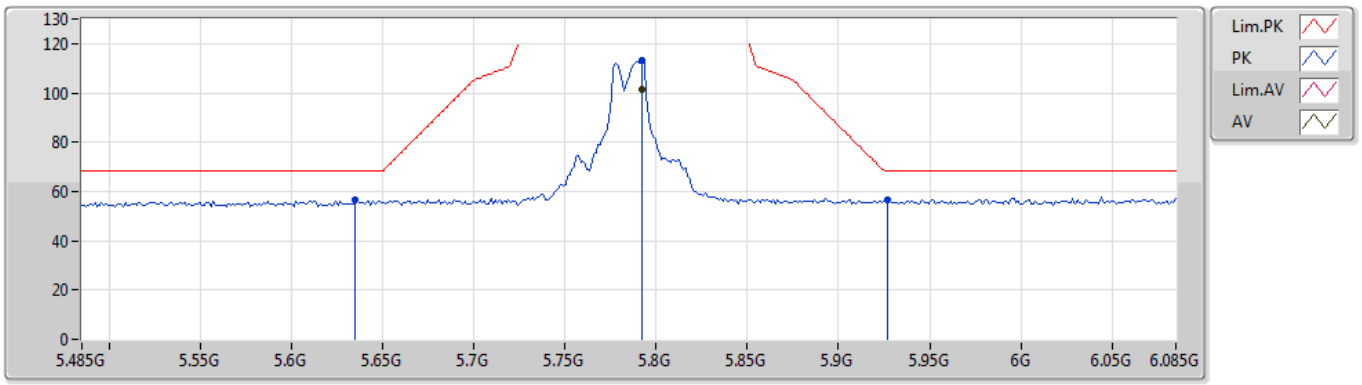



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.47968G | 43.53 | 54.00 | -10.47 | 15.81 | 3 | Horizontal | 2 | 1.50 | - | 27.72 | 39.63 | 10.68 | 34.50 |
| PK | 11.47968G | 56.81 | 74.00 | -17.19 | 15.81 | 3 | Horizontal | 2 | 1.50 | - | 41.00 | 39.63 | 10.68 | 34.50 |
| PK | 17.22324G | 64.57 | 68.20 | -3.63 | 21.90 | 3 | Horizontal | 292 | 1.57 | - | 42.67 | 41.77 | 13.90 | 33.77 |

## 802.11a_Nss1,(6Mbps)_4TX

## 5785MHz_TX

04/09/2019

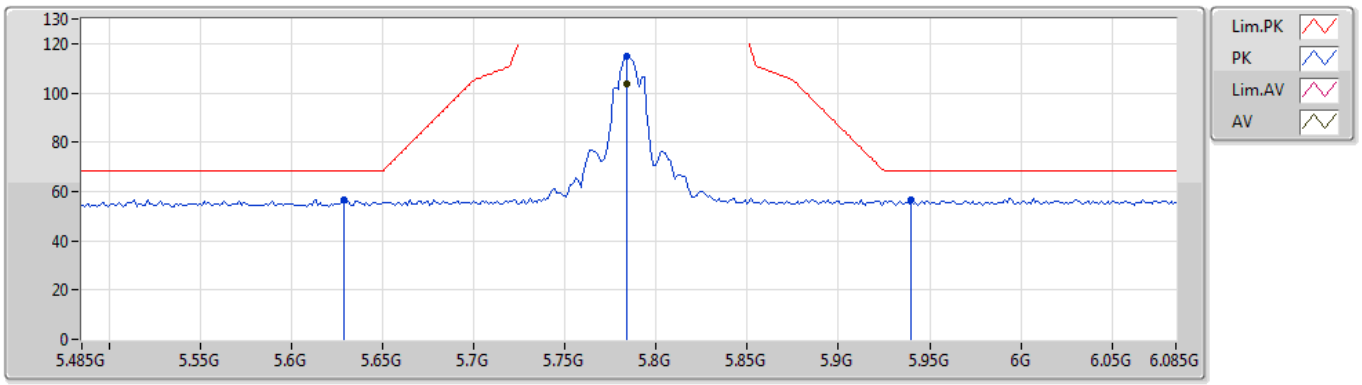



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7922G | 101.61 | Inf | -Inf | 5.49 | 3 | Vertical | 273 | 1.86 | - | 96.12 | 32.31 | 7.66 | 34.48 |
| PK | 5.635G | 56.47 | 68.20 | -11.73 | 5.21 | 3 | Vertical | 273 | 1.86 | - | 51.26 | 32.09 | 7.56 | 34.44 |
| PK | 5.7922G | 112.94 | Inf | -Inf | 5.49 | 3 | Vertical | 273 | 1.86 | - | 107.45 | 32.31 | 7.66 | 34.48 |
| PK | 5.9266G | 56.72 | 68.20 | -11.48 | 5.74 | 3 | Vertical | 273 | 1.86 | - | 50.98 | 32.50 | 7.75 | 34.51 |

## 802.11a_Nss1,(6Mbps)_4TX

## 5785MHz_TX

04/09/2019

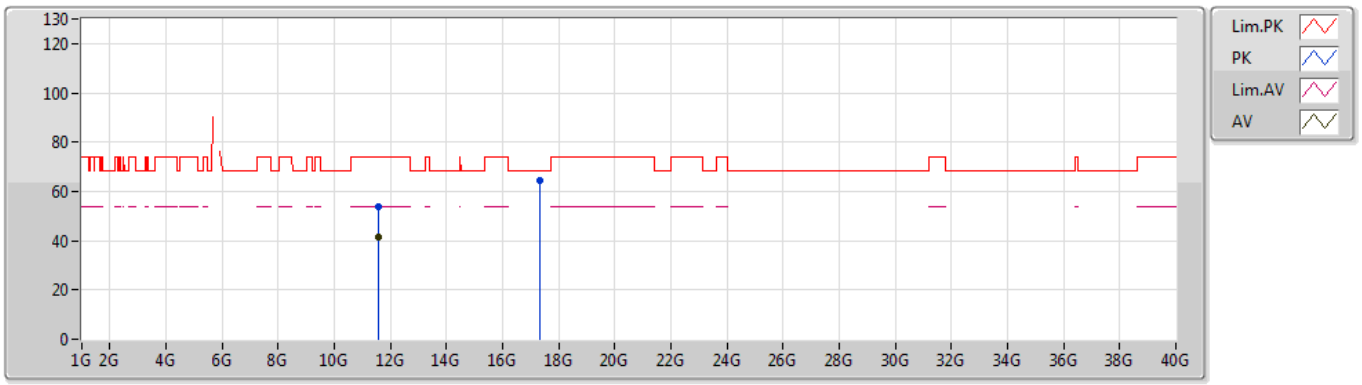



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7838G | 103.86 | Inf | -Inf | 5.38 | 3 | Horizontal | 222 | 1.27 | - | 98.48 | 32.20 | 7.66 | 34.48 |
| PK | 5.629G | 56.69 | 68.20 | -11.51 | 5.10 | 3 | Horizontal | 222 | 1.27 | - | 51.59 | 31.98 | 7.56 | 34.44 |
| PK | 5.7838G | 114.78 | Inf | -Inf | 5.38 | 3 | Horizontal | 222 | 1.27 | - | 109.40 | 32.20 | 7.66 | 34.48 |
| PK | 5.9398G | 56.35 | 68.20 | -11.85 | 5.67 | 3 | Horizontal | 222 | 1.27 | - | 50.68 | 32.42 | 7.76 | 34.51 |

## 802.11a_Nss1,(6Mbps)_4TX

## 5785MHz_TX

04/09/2019

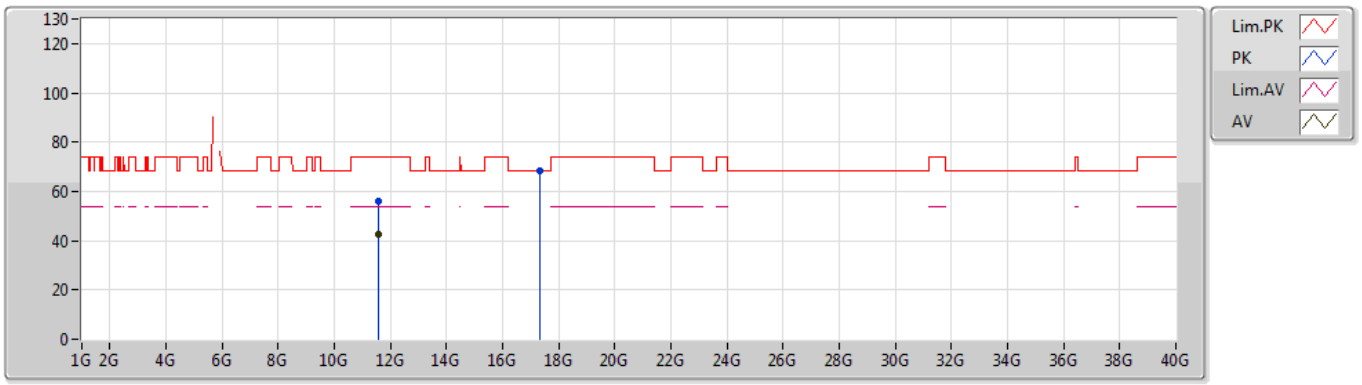



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.56712G | 41.60 | 54.00 | -12.40 | 15.71 | 3 | Vertical | 126 | 1.72 | - | 25.89 | 39.51 | 10.72 | 34.52 |
| PK | 11.576G | 54.00 | 74.00 | -20.00 | 15.68 | 3 | Vertical | 126 | 1.72 | - | 38.32 | 39.49 | 10.72 | 34.53 |
| PK | 17.34882G | 64.66 | 68.20 | -3.54 | 22.83 | 3 | Vertical | 222 | 2.39 | - | 41.83 | 42.72 | 13.94 | 33.83 |

## 802.11a_Nss1,(6Mbps)_4TX

## 5785MHz_TX

04/09/2019

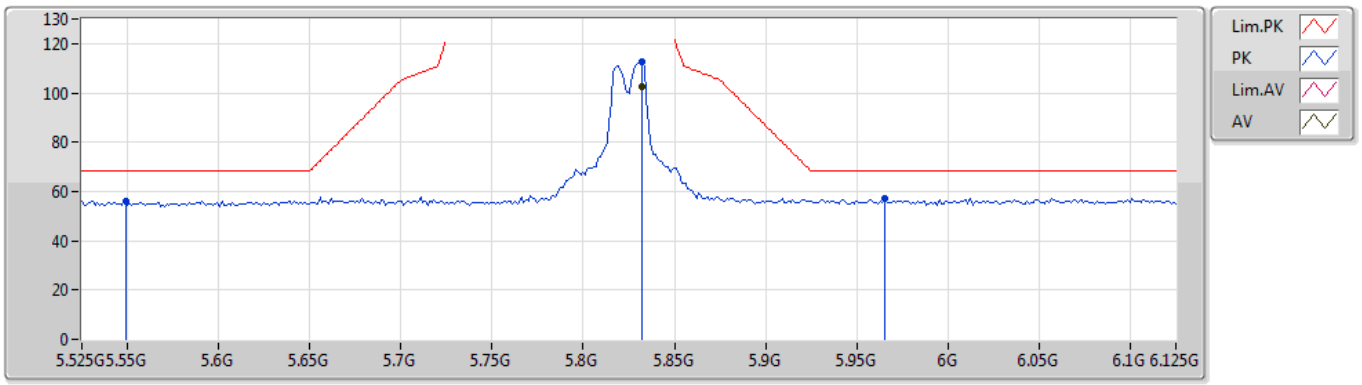



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.5682G | 42.72 | 54.00 | -11.28 | 15.70 | 3 | Horizontal | 145 | 1.62 | - | 27.02 | 39.50 | 10.72 | 34.52 |
| PK | 11.56832G | 55.85 | 74.00 | -18.15 | 15.70 | 3 | Horizontal | 145 | 1.62 | - | 40.15 | 39.50 | 10.72 | 34.52 |
| PK | 17.34972G | 68.16 | 68.20 | -0.04 | 22.82 | 3 | Horizontal | 237 | 1.50 | - | 45.34 | 42.72 | 13.94 | 33.84 |

## 802.11a_Nss1,(6Mbps)_4TX

## 5825MHz_TX

04/09/2019

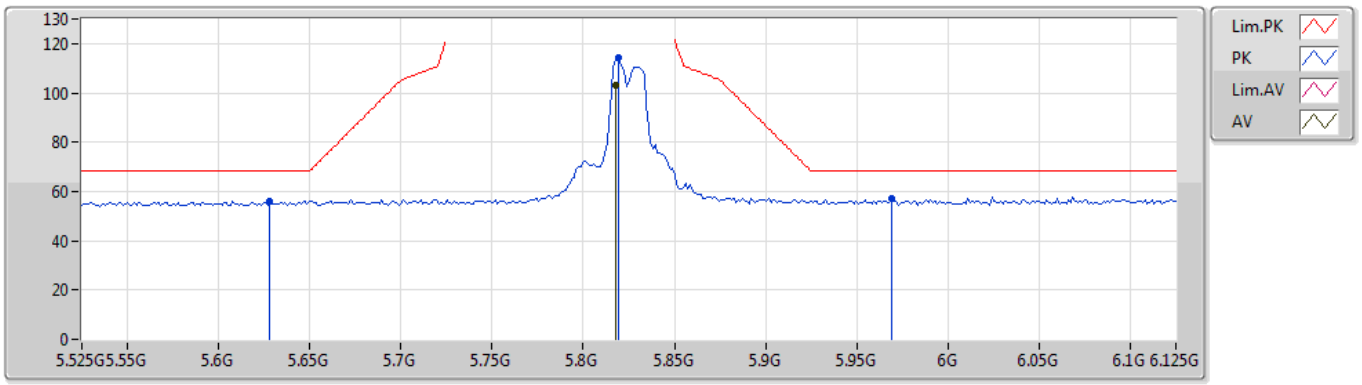



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.8322G | 102.58 | Inf | -Inf | 5.57 | 3 | Vertical | 254 | 1.84 | - | 97.01 | 32.37 | 7.69 | 34.49 |
| PK | 5.549G | 56.18 | 68.20 | -12.02 | 5.06 | 3 | Vertical | 254 | 1.84 | - | 51.12 | 31.97 | 7.51 | 34.42 |
| PK | 5.8322G | 112.50 | Inf | -Inf | 5.57 | 3 | Vertical | 254 | 1.84 | - | 106.93 | 32.37 | 7.69 | 34.49 |
| PK | 5.9654G | 57.23 | 68.20 | -10.97 | 5.82 | 3 | Vertical | 254 | 1.84 | - | 51.41 | 32.55 | 7.78 | 34.51 |

## 802.11a_Nss1,(6Mbps)_4TX

## 5825MHz_TX

04/09/2019

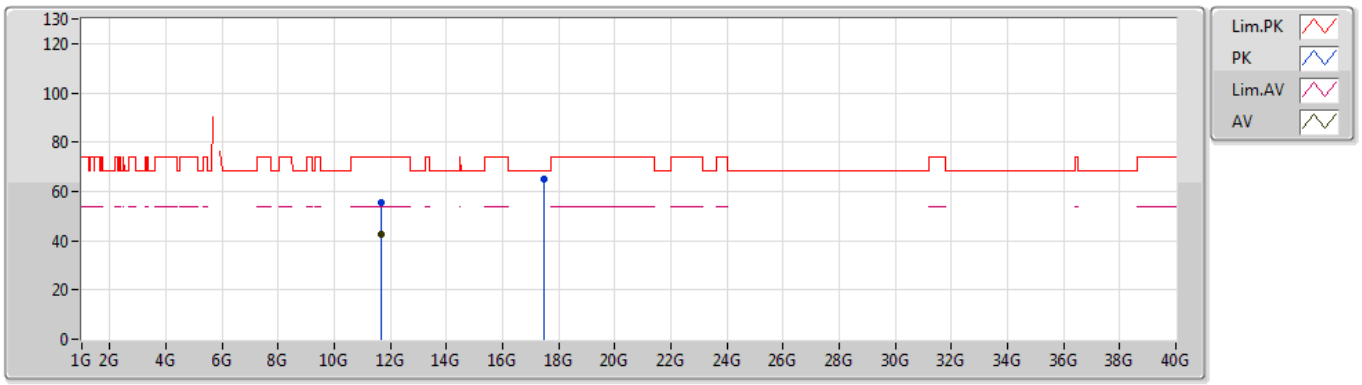



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.8178G | 103.35 | Inf | -Inf | 5.44 | 3 | Horizontal | 293 | 1.88 | - | 97.91 | 32.24 | 7.68 | 34.48 |
| PK | 5.6282G | 56.26 | 68.20 | -11.94 | 5.10 | 3 | Horizontal | 293 | 1.88 | - | 51.16 | 31.98 | 7.56 | 34.44 |
| PK | 5.819G | 114.23 | Inf | -Inf | 5.45 | 3 | Horizontal | 293 | 1.88 | - | 108.78 | 32.25 | 7.68 | 34.48 |
| PK | 5.969G | 57.04 | 68.20 | -11.16 | 5.73 | 3 | Horizontal | 293 | 1.88 | - | 51.31 | 32.46 | 7.78 | 34.51 |

## 802.11a_Nss1,(6Mbps)_4TX

## 5825MHz_TX

04/09/2019

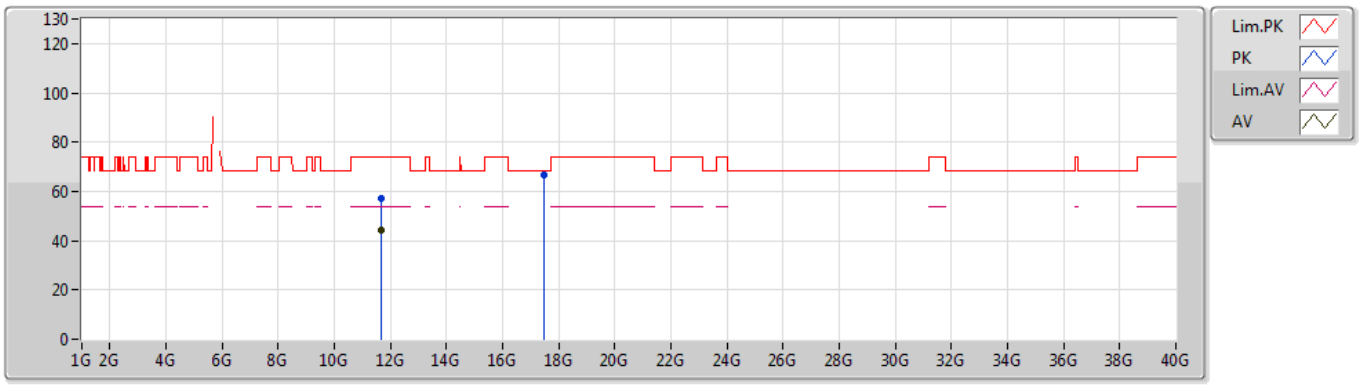



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.65612G | 42.58 | 54.00 | -11.42 | 15.62 | 3 | Vertical | 114 | 1.97 | - | 26.96 | 39.41 | 10.76 | 34.55 |
| PK | 11.65642G | 55.21 | 74.00 | -18.79 | 15.62 | 3 | Vertical | 114 | 1.97 | - | 39.59 | 39.41 | 10.76 | 34.55 |
| PK | 17.4621G | 65.06 | 68.20 | -3.14 | 23.13 | 3 | Vertical | 184 | 1.54 | - | 41.93 | 43.05 | 13.97 | 33.89 |

## 802.11a_Nss1,(6Mbps)_4TX

## 5825MHz_TX

04/09/2019

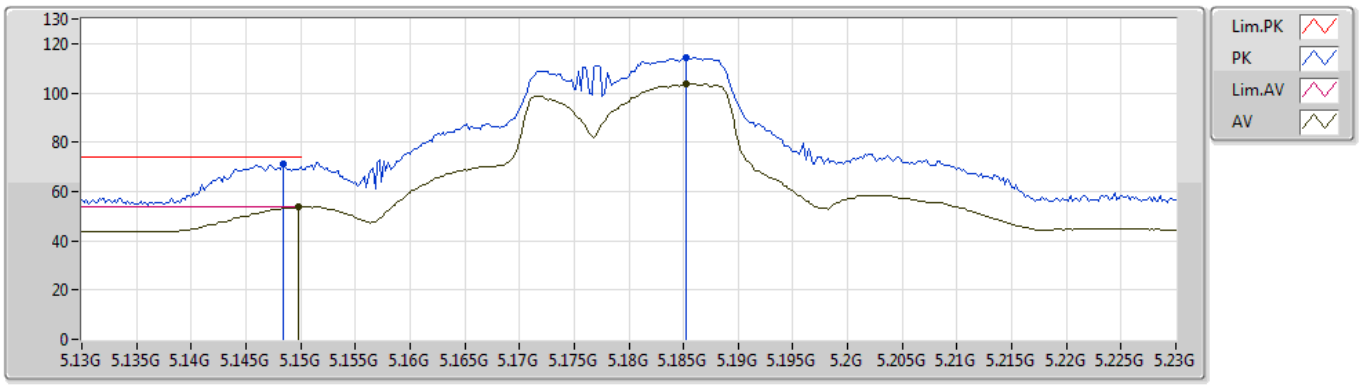



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.65576G | 43.99 | 54.00 | -10.01 | 15.62 | 3 | Horizontal | 56 | 1.67 | - | 28.37 | 39.41 | 10.76 | 34.55 |
| PK | 11.65624G | 56.95 | 74.00 | -17.05 | 15.62 | 3 | Horizontal | 56 | 1.67 | - | 41.33 | 39.41 | 10.76 | 34.55 |
| PK | 17.47068G | 66.86 | 68.20 | -1.34 | 23.18 | 3 | Horizontal | 239 | 1.50 | - | 43.68 | 43.11 | 13.97 | 33.90 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX

## 5180MHz_TX

03/09/2019

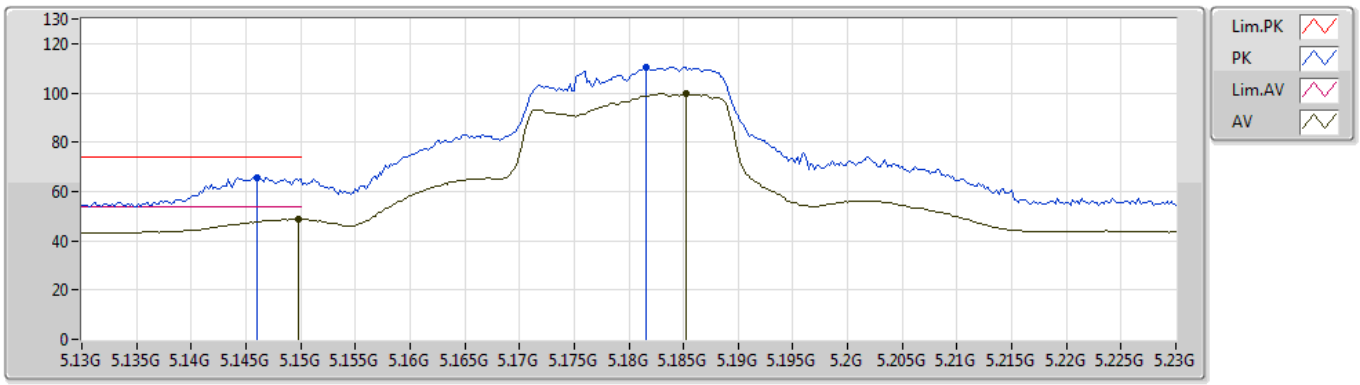



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1498G | 53.56 | 54.00 | -0.44 | 4.20 | 3 | Vertical | 170 | 1.90 | - | 49.36 | 31.59 | 7.04 | 34.43 |
| AV | 5.1852G | 103.67 | Inf | -Inf | 4.27 | 3 | Vertical | 170 | 1.90 | - | 99.40 | 31.61 | 7.08 | 34.42 |
| PK | 5.1484G | 71.07 | 74.00 | -2.93 | 4.19 | 3 | Vertical | 170 | 1.90 | - | 66.88 | 31.59 | 7.03 | 34.43 |
| PK | 5.1852G | 114.15 | Inf | -Inf | 4.27 | 3 | Vertical | 170 | 1.90 | - | 109.88 | 31.61 | 7.08 | 34.42 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX

## 5180MHz_TX

03/09/2019

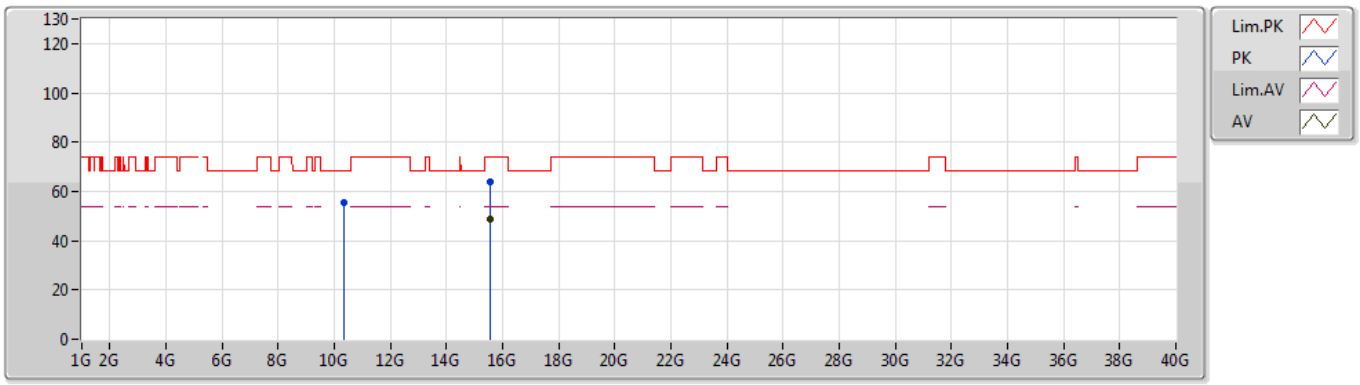



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1498G | 48.84 | 54.00 | -5.16 | 4.20 | 3 | Horizontal | 168 | 1.35 | - | 44.64 | 31.59 | 7.04 | 34.43 |
| AV | 5.1852G | 99.55 | Inf | -Inf | 4.27 | 3 | Horizontal | 168 | 1.35 | - | 95.28 | 31.61 | 7.08 | 34.42 |
| PK | 5.146G | 65.82 | 74.00 | -8.18 | 4.19 | 3 | Horizontal | 168 | 1.35 | - | 61.63 | 31.59 | 7.03 | 34.43 |
| PK | 5.1816G | 110.53 | Inf | -Inf | 4.27 | 3 | Horizontal | 168 | 1.35 | - | 106.26 | 31.61 | 7.08 | 34.42 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX

## 5180MHz_TX

03/09/2019

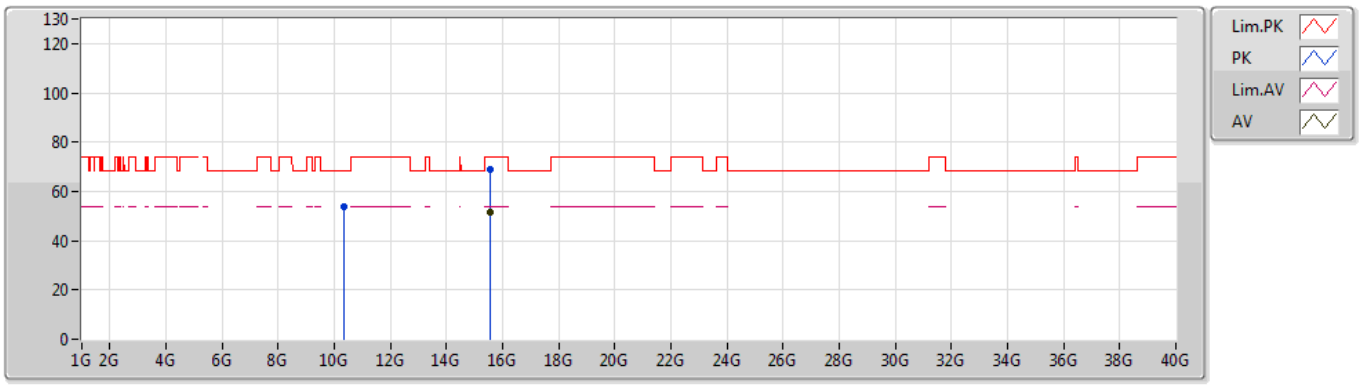



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.5372G | 48.76 | 54.00 | -5.24 | 17.02 | 3 | Vertical | 174 | 1.50 | - | 31.74 | 38.81 | 12.81 | 34.60 |
| PK | 10.35988G | 55.24 | 68.20 | -12.96 | 14.83 | 3 | Vertical | 333 | 2.65 | - | 40.41 | 39.40 | 10.33 | 34.90 |
| PK | 15.5382G | 63.95 | 74.00 | -10.05 | 17.01 | 3 | Vertical | 174 | 1.50 | - | 46.94 | 38.81 | 12.81 | 34.61 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX

## 5180MHz_TX

03/09/2019

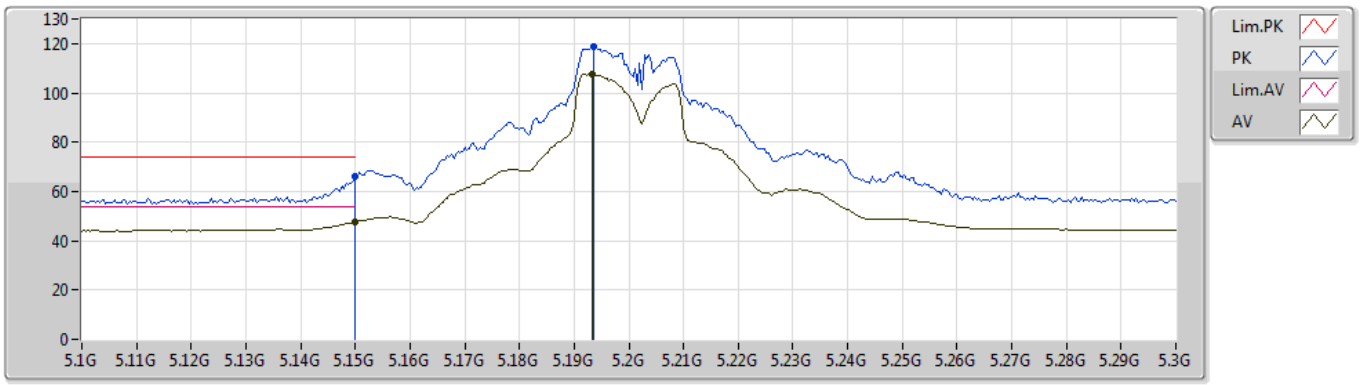



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.5358G | 51.51 | 54.00 | -2.49 | 17.03 | 3 | Horizontal | 297 | 1.76 | - | 34.48 | 38.82 | 12.81 | 34.60 |
| PK | 10.35208G | 53.61 | 68.20 | -14.59 | 14.81 | 3 | Horizontal | 140 | 1.50 | - | 38.80 | 39.39 | 10.33 | 34.91 |
| PK | 15.538G | 68.79 | 74.00 | -5.21 | 17.02 | 3 | Horizontal | 297 | 1.76 | - | 51.77 | 38.81 | 12.81 | 34.60 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX

## 5200MHz_TX

03/09/2019

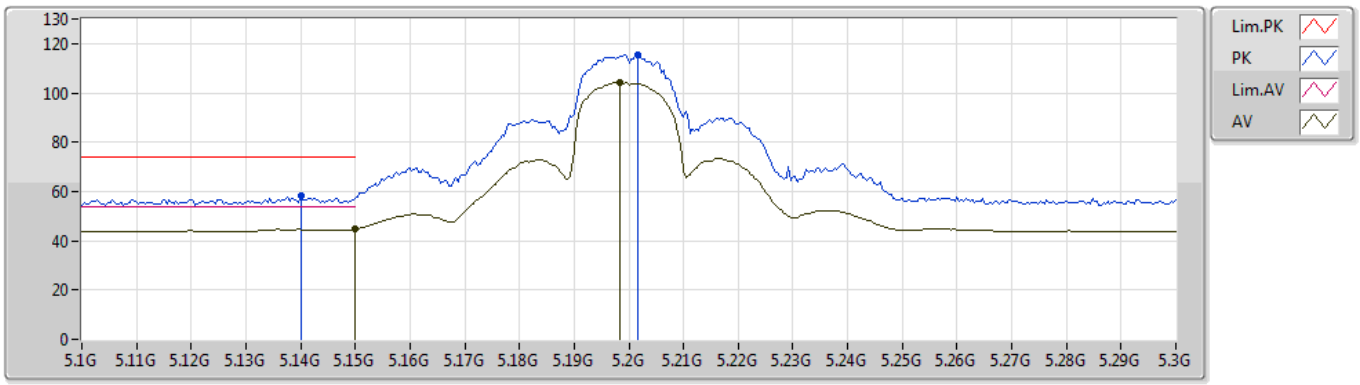



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.15G | 47.62 | 54.00 | -6.38 | 4.37 | 3 | Vertical | 246 | 1.00 | - | 43.25 | 31.76 | 7.04 | 34.43 |
| AV | 5.1932G | 107.56 | Inf | -Inf | 4.45 | 3 | Vertical | 246 | 1.00 | - | 103.11 | 31.78 | 7.09 | 34.42 |
| PK | 5.15G | 65.94 | 74.00 | -8.06 | 4.37 | 3 | Vertical | 246 | 1.00 | - | 61.57 | 31.76 | 7.04 | 34.43 |
| PK | 5.1936G | 118.66 | Inf | -Inf | 4.45 | 3 | Vertical | 246 | 1.00 | - | 114.21 | 31.78 | 7.09 | 34.42 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX

## 5200MHz_TX

03/09/2019

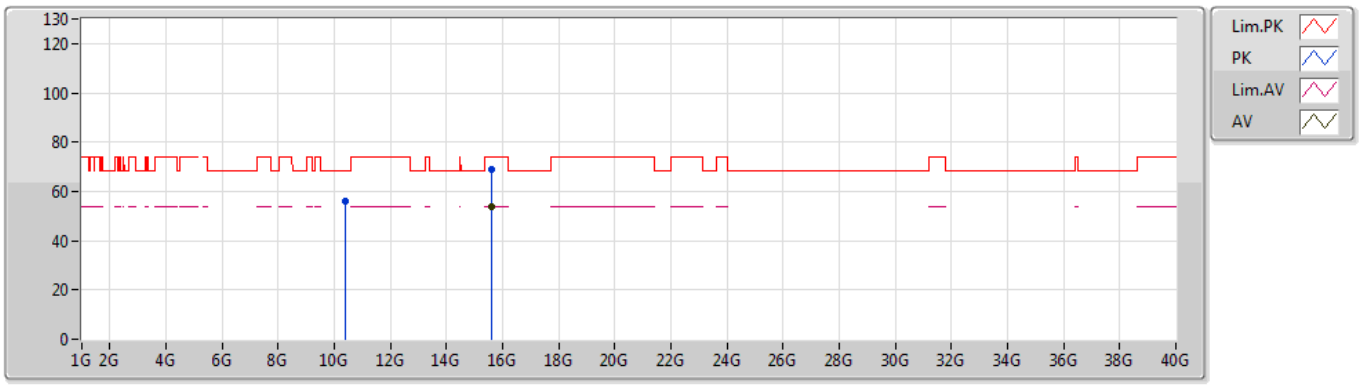



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.15G | 44.72 | 54.00 | -9.28 | 4.37 | 3 | Horizontal | 161 | 1.46 | - | 40.35 | 31.76 | 7.04 | 34.43 |
| AV | 5.1984G | 104.32 | Inf | -Inf | 4.46 | 3 | Horizontal | 161 | 1.46 | - | 99.86 | 31.78 | 7.10 | 34.42 |
| PK | 5.14G | 58.04 | 74.00 | -15.96 | 4.35 | 3 | Horizontal | 161 | 1.46 | - | 53.69 | 31.76 | 7.02 | 34.43 |
| PK | 5.2016G | 115.21 | Inf | -Inf | 4.46 | 3 | Horizontal | 161 | 1.46 | - | 110.75 | 31.78 | 7.10 | 34.42 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX

## 5200MHz_TX

03/09/2019

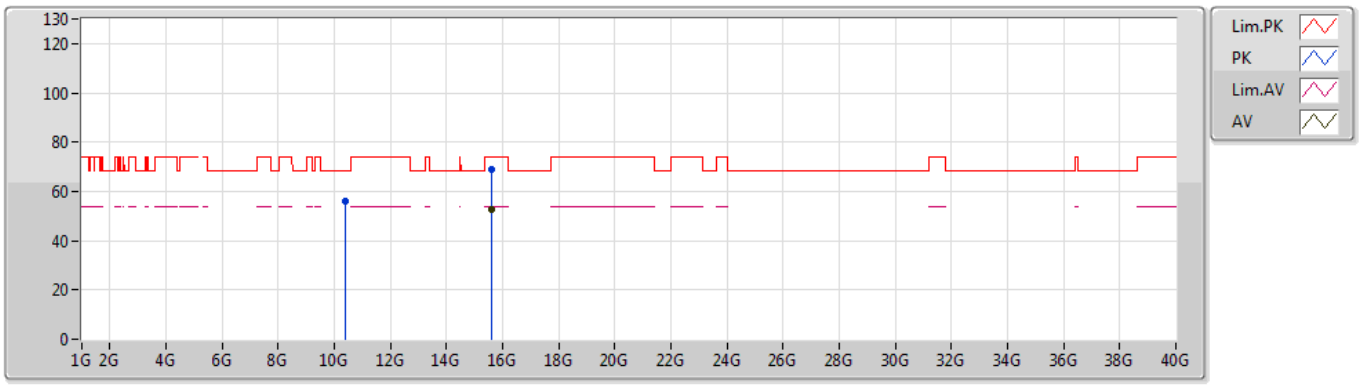



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.596G | 53.61 | 54.00 | -0.39 | 16.82 | 3 | Vertical | 177 | 1.67 | - | 36.79 | 38.59 | 12.90 | 34.67 |
| PK | 10.39981G | 56.23 | 68.20 | -11.97 | 14.88 | 3 | Vertical | 253 | 2.92 | - | 41.35 | 39.42 | 10.33 | 34.87 |
| PK | 15.5951G | 69.01 | 74.00 | -4.99 | 16.83 | 3 | Vertical | 177 | 1.67 | - | 52.18 | 38.60 | 12.90 | 34.67 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX

## 5200MHz_TX

03/09/2019

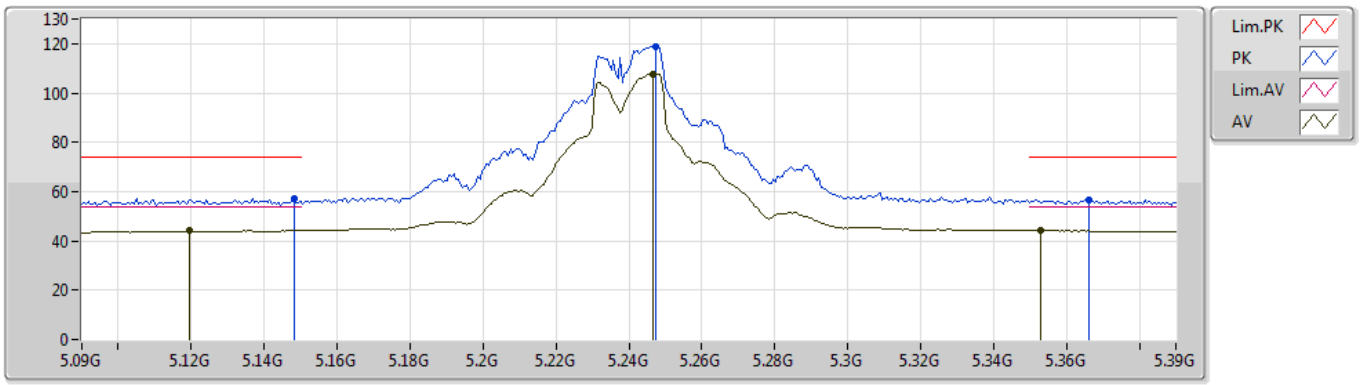



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.5953G | 52.78 | 54.00 | -1.22 | 16.83 | 3 | Horizontal | 297 | 1.50 | - | 35.95 | 38.60 | 12.90 | 34.67 |
| PK | 10.39856G | 55.93 | 68.20 | -12.27 | 14.88 | 3 | Horizontal | 66 | 1.76 | - | 41.05 | 39.42 | 10.33 | 34.87 |
| PK | 15.5968G | 68.79 | 74.00 | -5.21 | 16.82 | 3 | Horizontal | 297 | 1.50 | - | 51.97 | 38.59 | 12.90 | 34.67 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX

## 5240MHz_TX

03/09/2019

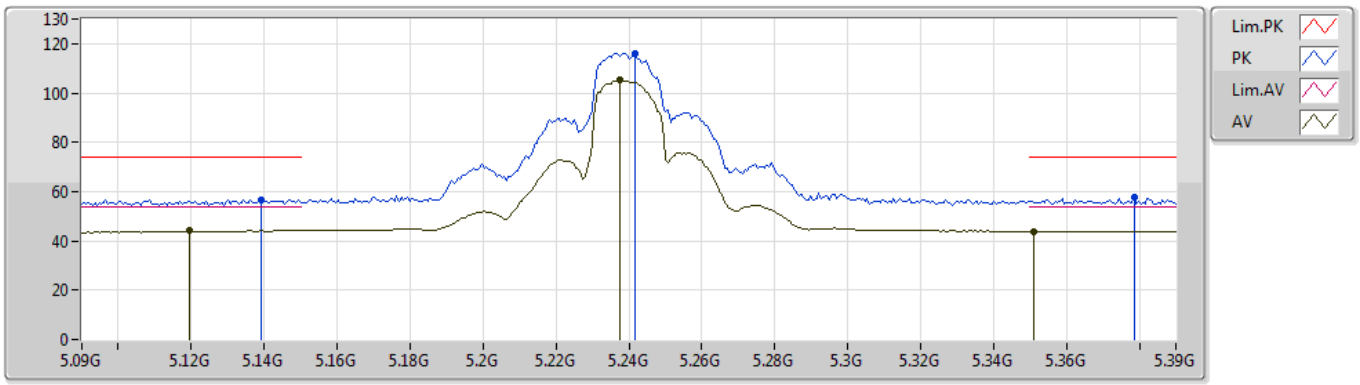



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1194G | 44.46 | 54.00 | -9.54 | 4.32 | 3 | Vertical | 62 | 1.95 | - | 40.14 | 31.75 | 7.00 | 34.43 |
| AV | 5.2466G | 107.81 | Inf | -Inf | 4.54 | 3 | Vertical | 62 | 1.95 | - | 103.27 | 31.80 | 7.16 | 34.42 |
| AV | 5.3528G | 44.17 | 54.00 | -9.83 | 4.72 | 3 | Vertical | 62 | 1.95 | - | 39.45 | 31.84 | 7.29 | 34.41 |
| PK | 5.1482G | 57.39 | 74.00 | -16.61 | 4.36 | 3 | Vertical | 62 | 1.95 | - | 53.03 | 31.76 | 7.03 | 34.43 |
| PK | 5.2472G | 118.70 | Inf | -Inf | 4.54 | 3 | Vertical | 62 | 1.95 | - | 114.16 | 31.80 | 7.16 | 34.42 |
| PK | 5.366G | 56.85 | 74.00 | -17.15 | 4.75 | 3 | Vertical | 62 | 1.95 | - | 52.10 | 31.85 | 7.31 | 34.41 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX

## 5240MHz_TX

03/09/2019

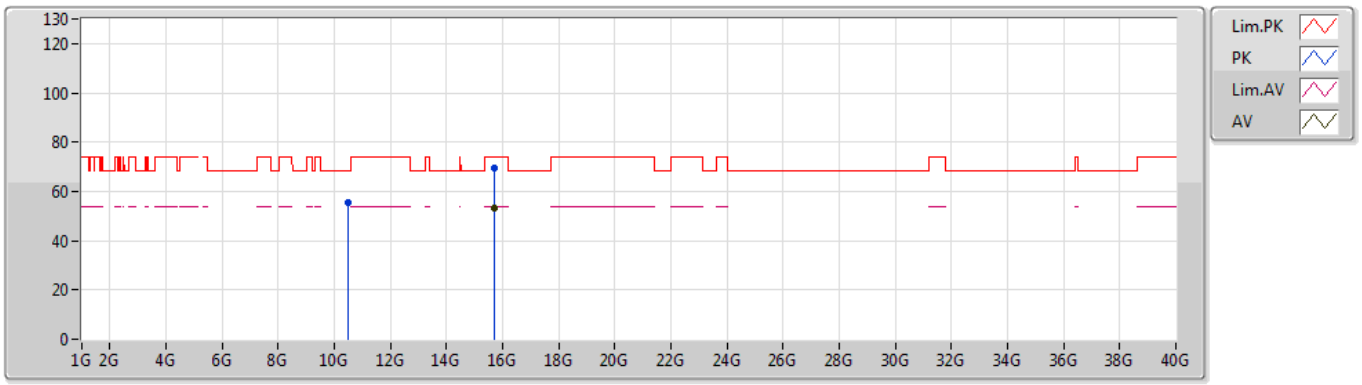



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1194G | 44.16 | 54.00 | -9.84 | 4.32 | 3 | Horizontal | 172 | 1.91 | - | 39.84 | 31.75 | 7.00 | 34.43 |
| AV | 5.2376G | 105.32 | Inf | -Inf | 4.53 | 3 | Horizontal | 172 | 1.91 | - | 100.79 | 31.80 | 7.15 | 34.42 |
| AV | 5.351G | 43.97 | 54.00 | -10.03 | 4.72 | 3 | Horizontal | 172 | 1.91 | - | 39.25 | 31.84 | 7.29 | 34.41 |
| PK | 5.1392G | 56.86 | 74.00 | -17.14 | 4.35 | 3 | Horizontal | 172 | 1.91 | - | 52.51 | 31.76 | 7.02 | 34.43 |
| PK | 5.2418G | 116.11 | Inf | -Inf | 4.53 | 3 | Horizontal | 172 | 1.91 | - | 111.58 | 31.80 | 7.15 | 34.42 |
| PK | 5.3786G | 57.56 | 74.00 | -16.44 | 4.76 | 3 | Horizontal | 172 | 1.91 | - | 52.80 | 31.85 | 7.32 | 34.41 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX

## 5240MHz_TX

03/09/2019

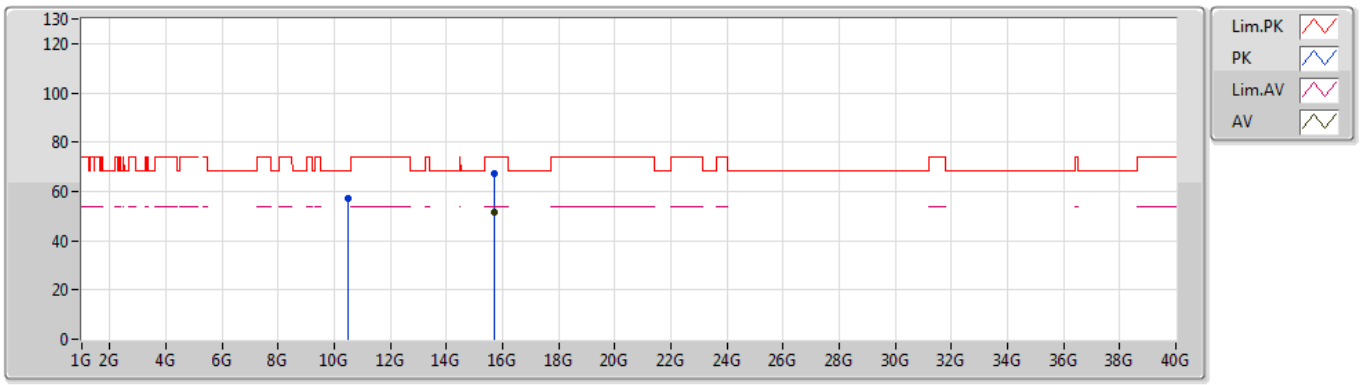



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.71568G | 53.35 | 54.00 | -0.65 | 16.43 | 3 | Vertical | 176 | 1.68 | - | 36.92 | 38.15 | 13.09 | 34.81 |
| PK | 10.48378G | 55.48 | 68.20 | -12.72 | 15.13 | 3 | Vertical | 238 | 1.61 | - | 40.35 | 39.58 | 10.35 | 34.80 |
| PK | 15.71682G | 69.46 | 74.00 | -4.54 | 16.42 | 3 | Vertical | 176 | 1.68 | - | 53.04 | 38.15 | 13.09 | 34.82 |

## 802.11ac VHT20_Nss1,(MCS0)_2TX

## 5240MHz_TX

03/09/2019

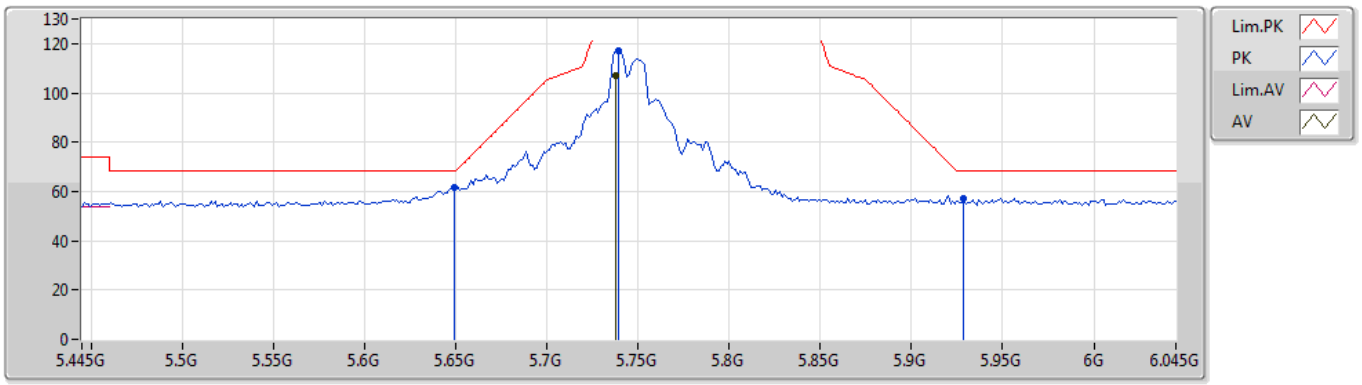



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.71826G | 51.47 | 54.00 | -2.53 | 16.41 | 3 | Horizontal | 317 | 2.75 | - | 35.06 | 38.14 | 13.09 | 34.82 |
| PK | 10.48864G | 57.05 | 68.20 | -11.15 | 15.14 | 3 | Horizontal | 239 | 1.58 | - | 41.91 | 39.58 | 10.35 | 34.79 |
| PK | 15.71586G | 67.21 | 74.00 | -6.79 | 16.43 | 3 | Horizontal | 317 | 2.75 | - | 50.78 | 38.15 | 13.09 | 34.81 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX

## 5745MHz_TX

04/09/2019

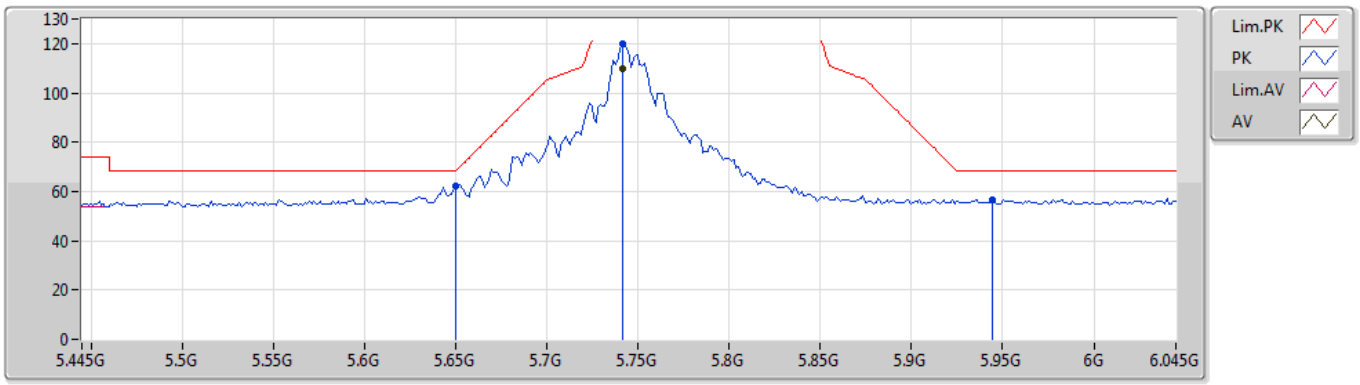



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7378G | 106.78 | Inf | -Inf | 5.30 | 3 | Vertical | 14 | 1.01 | - | 101.48 | 32.13 | 7.63 | 34.46 |
| PK | 5.649G | 61.75 | 68.20 | -6.45 | 5.14 | 3 | Vertical | 14 | 1.01 | - | 56.61 | 32.01 | 7.57 | 34.44 |
| PK | 5.739G | 116.90 | Inf | -Inf | 5.30 | 3 | Vertical | 14 | 1.01 | - | 111.60 | 32.13 | 7.63 | 34.46 |
| PK | 5.9286G | 57.41 | 68.20 | -10.79 | 5.64 | 3 | Vertical | 14 | 1.01 | - | 51.77 | 32.40 | 7.75 | 34.51 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX

## 5745MHz_TX

04/09/2019

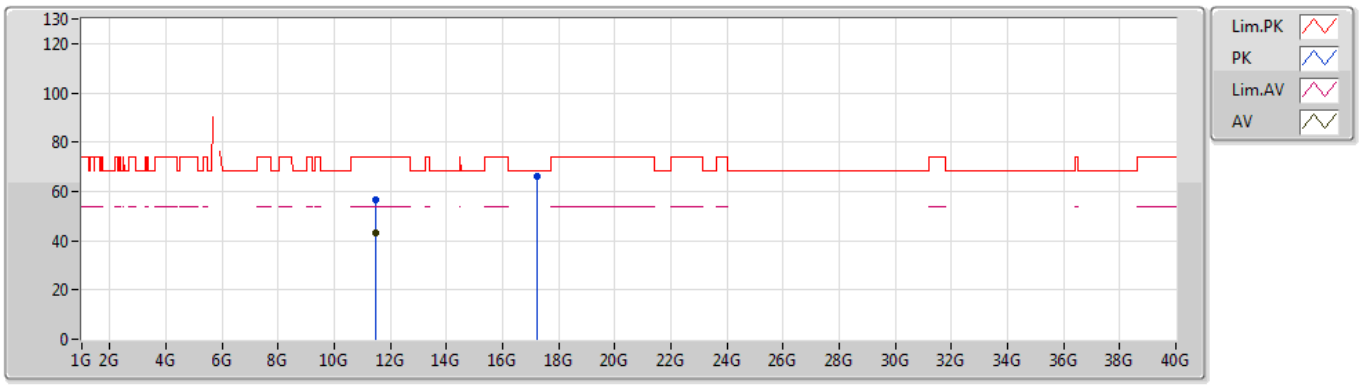



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7414G | 109.58 | Inf | -Inf | 5.31 | 3 | Horizontal | 11 | 2.51 | - | 104.27 | 32.14 | 7.63 | 34.46 |
| PK | 5.6502G | 62.00 | 68.35 | -6.35 | 5.14 | 3 | Horizontal | 11 | 2.51 | - | 56.86 | 32.01 | 7.57 | 34.44 |
| PK | 5.7414G | 120.09 | Inf | -Inf | 5.31 | 3 | Horizontal | 11 | 2.51 | - | 114.78 | 32.14 | 7.63 | 34.46 |
| PK | 5.9442G | 56.74 | 68.20 | -11.46 | 5.67 | 3 | Horizontal | 11 | 2.51 | - | 51.07 | 32.42 | 7.76 | 34.51 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX

## 5745MHz_TX

04/09/2019

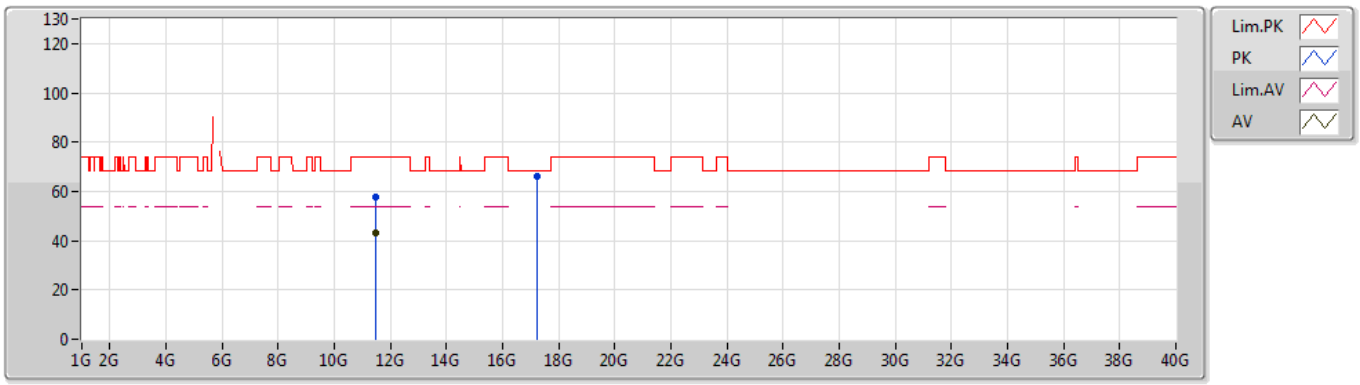



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.49378G | 43.05 | 54.00 | -10.95 | 15.79 | 3 | Vertical | 219 | 1.90 | - | 27.26 | 39.61 | 10.68 | 34.50 |
| PK | 11.49288G | 56.68 | 74.00 | -17.32 | 15.79 | 3 | Vertical | 219 | 1.90 | - | 40.89 | 39.61 | 10.68 | 34.50 |
| PK | 17.23878G | 66.23 | 68.20 | -1.97 | 22.02 | 3 | Vertical | 116 | 1.01 | - | 44.21 | 41.89 | 13.91 | 33.78 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX

## 5745MHz_TX

04/09/2019

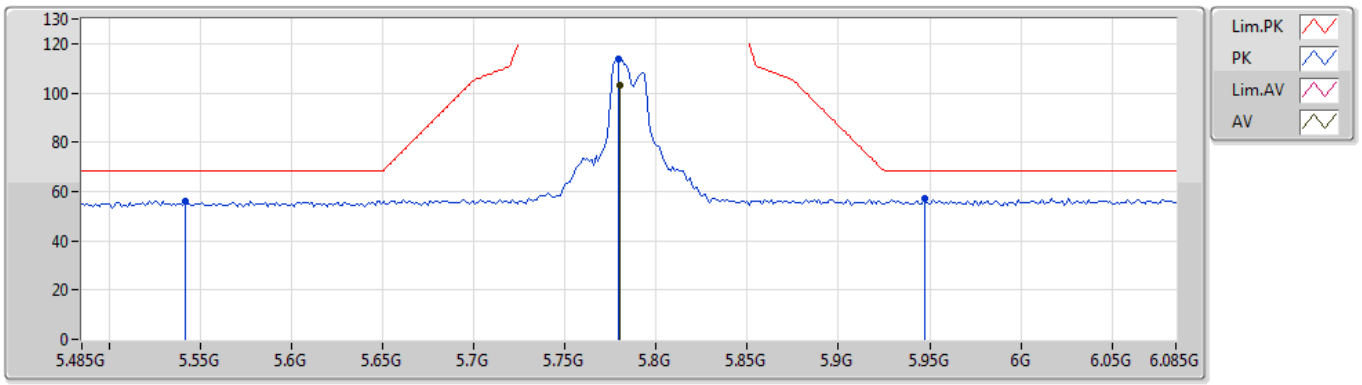



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.48022G | 43.26 | 54.00 | -10.74 | 15.81 | 3 | Horizontal | 359 | 1.48 | - | 27.45 | 39.63 | 10.68 | 34.50 |
| PK | 11.49972G | 57.79 | 74.00 | -16.21 | 15.79 | 3 | Horizontal | 359 | 1.48 | - | 42.00 | 39.60 | 10.69 | 34.50 |
| PK | 17.229G | 65.94 | 68.20 | -2.26 | 21.95 | 3 | Horizontal | 294 | 1.49 | - | 43.99 | 41.82 | 13.90 | 33.77 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX

## 5785MHz_TX

04/09/2019

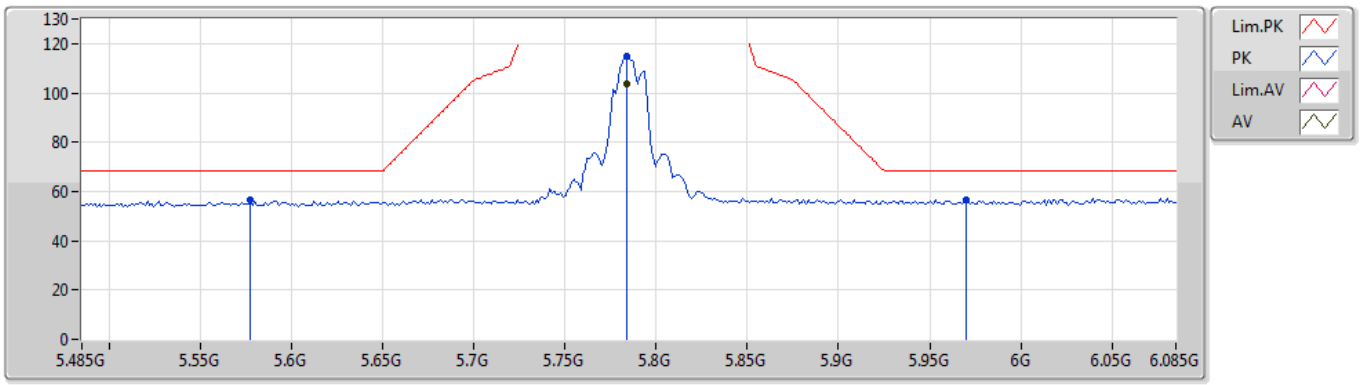



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7802G | 103.00 | Inf | -Inf | 5.48 | 3 | Vertical | 323 | 1.15 | - | 97.52 | 32.29 | 7.66 | 34.47 |
| PK | 5.5414G | 56.30 | 68.20 | -11.90 | 5.04 | 3 | Vertical | 323 | 1.15 | - | 51.26 | 31.96 | 7.50 | 34.42 |
| PK | 5.779G | 113.99 | Inf | -Inf | 5.48 | 3 | Vertical | 323 | 1.15 | - | 108.51 | 32.29 | 7.66 | 34.47 |
| PK | 5.947G | 57.09 | 68.20 | -11.11 | 5.78 | 3 | Vertical | 323 | 1.15 | - | 51.31 | 32.53 | 7.76 | 34.51 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX

## 5785MHz_TX

04/09/2019

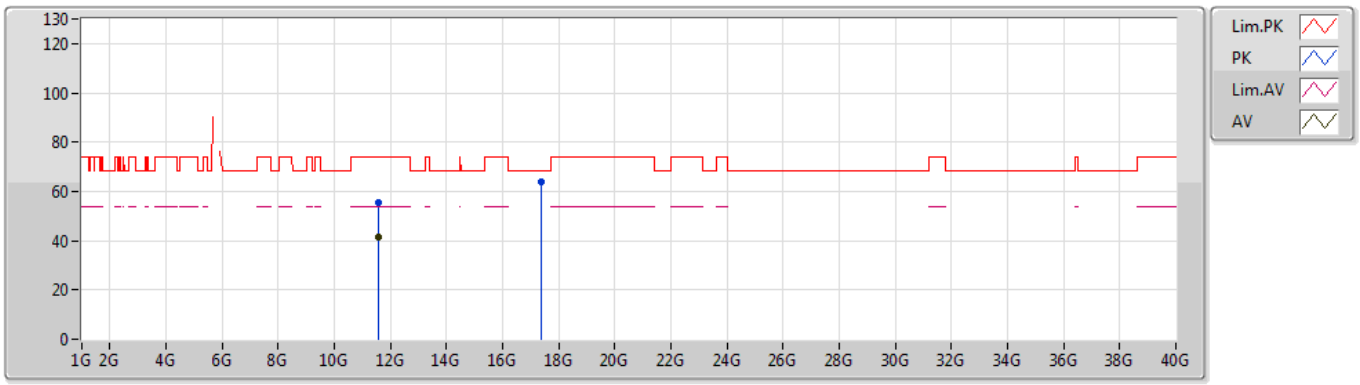



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7838G | 103.94 | Inf | -Inf | 5.48 | 3 | Horizontal | 223 | 1.75 | - | 98.46 | 32.30 | 7.66 | 34.48 |
| PK | 5.5774G | 56.75 | 68.20 | -11.45 | 5.11 | 3 | Horizontal | 223 | 1.75 | - | 51.64 | 32.01 | 7.53 | 34.43 |
| PK | 5.7838G | 114.71 | Inf | -Inf | 5.48 | 3 | Horizontal | 223 | 1.75 | - | 109.23 | 32.30 | 7.66 | 34.48 |
| PK | 5.9698G | 56.66 | 68.20 | -11.54 | 5.83 | 3 | Horizontal | 223 | 1.75 | - | 50.83 | 32.56 | 7.78 | 34.51 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX

## 5785MHz_TX

04/09/2019

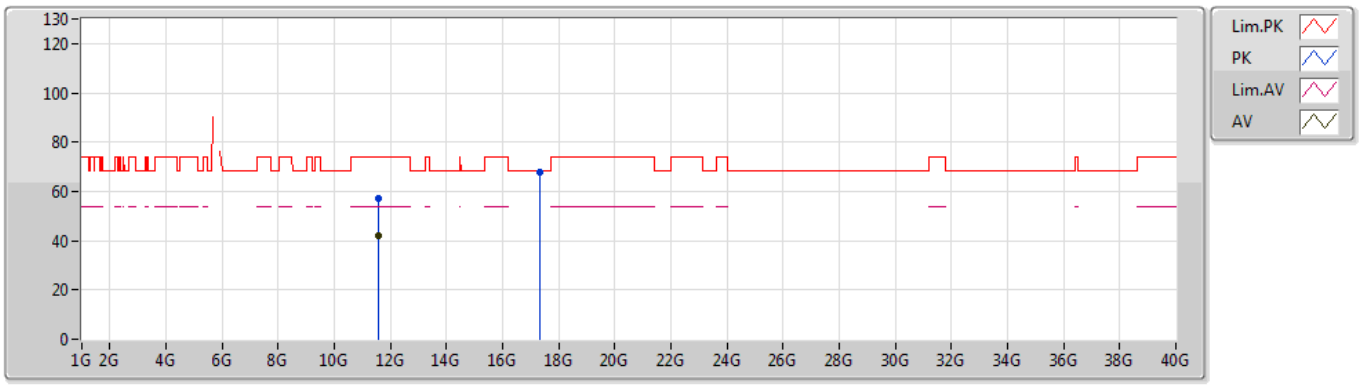



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.5739G | 41.39 | 54.00 | -12.61 | 15.71 | 3 | Vertical | 3 | 1.88 | - | 25.68 | 39.51 | 10.72 | 34.52 |
| PK | 11.56592G | 55.43 | 74.00 | -18.57 | 15.72 | 3 | Vertical | 3 | 1.88 | - | 39.71 | 39.52 | 10.72 | 34.52 |
| PK | 17.36328G | 63.99 | 68.20 | -4.21 | 22.50 | 3 | Vertical | 265 | 1.50 | - | 41.49 | 42.40 | 13.94 | 33.84 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX

## 5785MHz_TX

04/09/2019

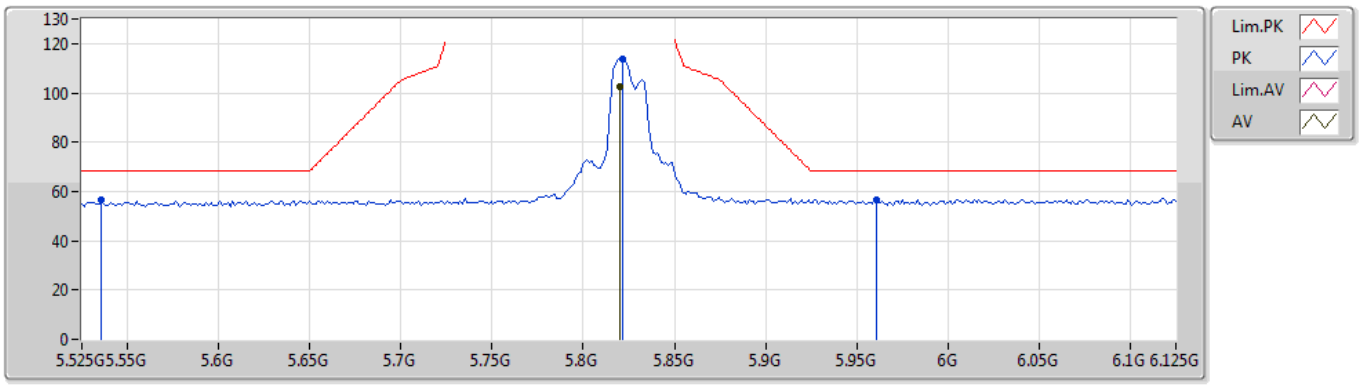



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.56886G | 42.08 | 54.00 | -11.92 | 15.72 | 3 | Horizontal | 145 | 1.54 | - | 26.36 | 39.52 | 10.72 | 34.52 |
| PK | 11.56802G | 57.22 | 74.00 | -16.78 | 15.72 | 3 | Horizontal | 145 | 1.54 | - | 41.50 | 39.52 | 10.72 | 34.52 |
| PK | 17.34996G | 68.03 | 68.20 | -0.17 | 22.41 | 3 | Horizontal | 328 | 1.88 | - | 45.62 | 42.31 | 13.94 | 33.84 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX

04/09/2019

## 5825MHz_TX

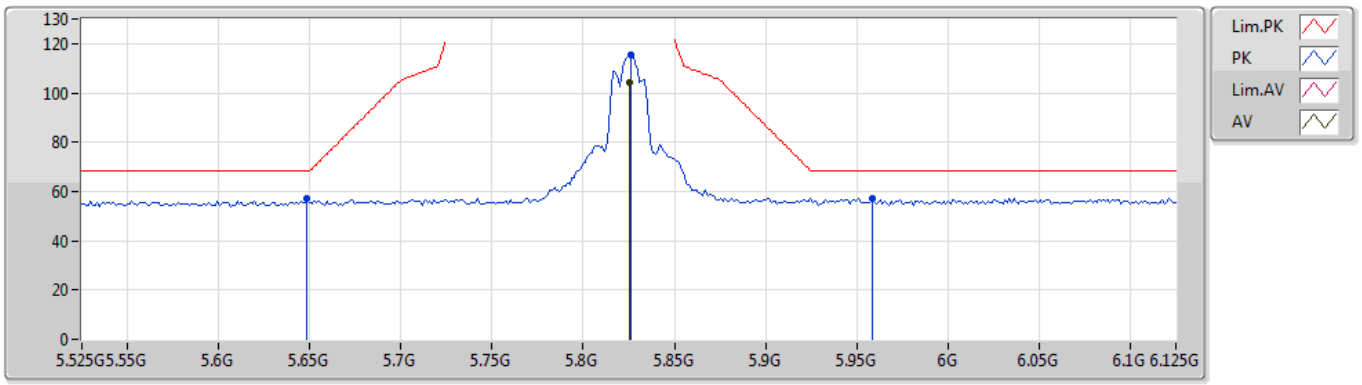



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.8202G | 102.62 | Inf | -Inf | 5.55 | 3 | Vertical | 322 | 1.07 | - | 97.07 | 32.35 | 7.68 | 34.48 |
| PK | 5.5358G | 56.57 | 68.20 | -11.63 | 5.03 | 3 | Vertical | 322 | 1.07 | - | 51.54 | 31.95 | 7.50 | 34.42 |
| PK | 5.8214G | 113.57 | Inf | -Inf | 5.55 | 3 | Vertical | 322 | 1.07 | - | 108.02 | 32.35 | 7.68 | 34.48 |
| PK | 5.9606G | 56.75 | 68.20 | -11.45 | 5.80 | 3 | Vertical | 322 | 1.07 | - | 50.95 | 32.54 | 7.77 | 34.51 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX

04/09/2019

## 5825MHz_TX

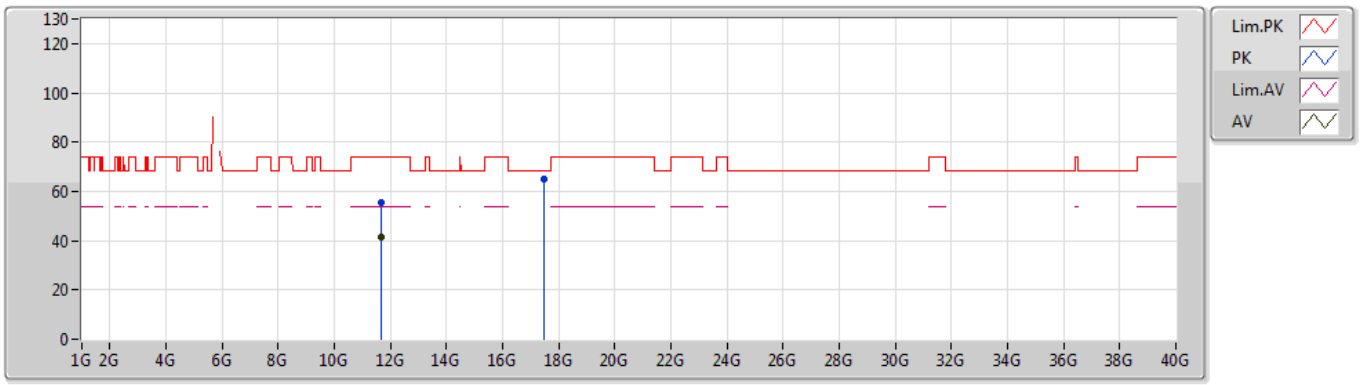



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.825G | 103.95 | Inf | -Inf | 5.57 | 3 | Horizontal | 224 | 1.00 | - | 98.38 | 32.36 | 7.69 | 34.48 |
| PK | 5.6486G | 57.07 | 68.20 | -11.13 | 5.24 | 3 | Horizontal | 224 | 1.00 | - | 51.83 | 32.11 | 7.57 | 34.44 |
| PK | 5.8262G | 115.69 | Inf | -Inf | 5.56 | 3 | Horizontal | 224 | 1.00 | - | 110.13 | 32.36 | 7.69 | 34.49 |
| PK | 5.9582G | 57.10 | 68.20 | -11.10 | 5.80 | 3 | Horizontal | 224 | 1.00 | - | 51.30 | 32.54 | 7.77 | 34.51 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX

04/09/2019

## 5825MHz_TX

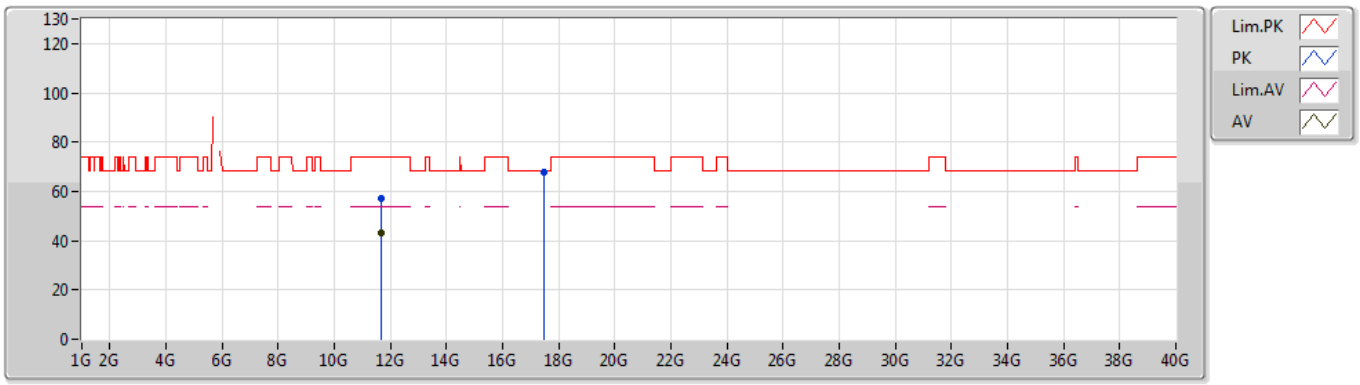



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.6563G | 41.38 | 54.00 | -12.62 | 15.62 | 3 | Vertical | 111 | 1.76 | - | 25.76 | 39.41 | 10.76 | 34.55 |
| PK | 11.65702G | 55.46 | 74.00 | -18.54 | 15.62 | 3 | Vertical | 111 | 1.76 | - | 39.84 | 39.41 | 10.76 | 34.55 |
| PK | 17.4723G | 64.88 | 68.20 | -3.32 | 23.19 | 3 | Vertical | 34 | 1.63 | - | 41.69 | 43.12 | 13.97 | 33.90 |

## 802.11ac VHT20_Nss1,(MCS0)_4TX

## 5825MHz_TX

04/09/2019

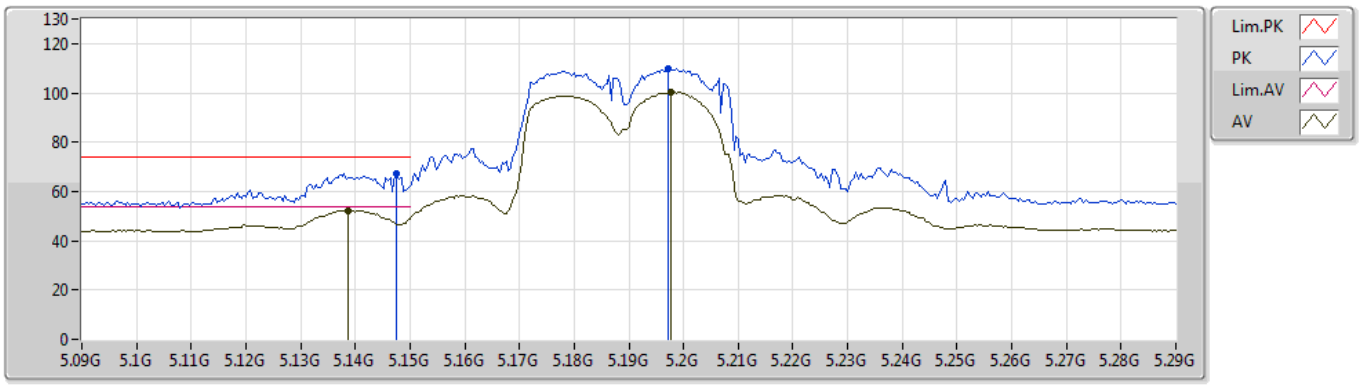



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.65504G | 42.95 | 54.00 | -11.05 | 15.62 | 3 | Horizontal | 55 | 1.68 | - | 27.33 | 39.41 | 10.76 | 34.55 |
| PK | 11.6554G | 57.14 | 74.00 | -16.86 | 15.62 | 3 | Horizontal | 55 | 1.68 | - | 41.52 | 39.41 | 10.76 | 34.55 |
| PK | 17.4696G | 67.70 | 68.20 | -0.50 | 23.17 | 3 | Horizontal | 251 | 1.66 | - | 44.53 | 43.10 | 13.97 | 33.90 |

## 802.11ac VHT40_Nss1,(MCS0)_2TX

## 5190MHz_TX

03/09/2019

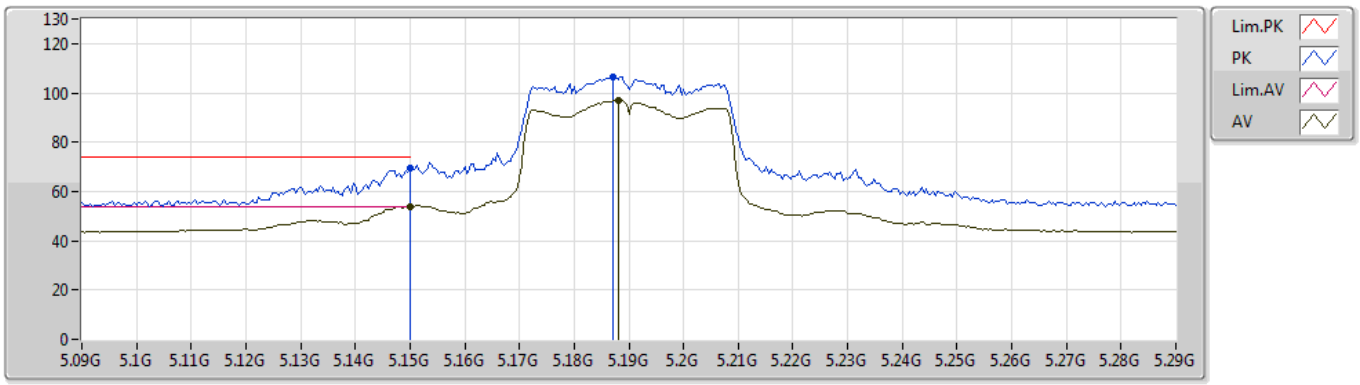



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1388G | 52.34 | 54.00 | -1.66 | 4.17 | 3 | Vertical | 169 | 1.76 | - | 48.17 | 31.58 | 7.02 | 34.43 |
| AV | 5.1976G | 100.33 | Inf | -Inf | 4.30 | 3 | Vertical | 169 | 1.76 | - | 96.03 | 31.62 | 7.10 | 34.42 |
| PK | 5.1476G | 67.45 | 74.00 | -6.55 | 4.19 | 3 | Vertical | 169 | 1.76 | - | 63.26 | 31.59 | 7.03 | 34.43 |
| PK | 5.1972G | 109.64 | Inf | -Inf | 4.30 | 3 | Vertical | 169 | 1.76 | - | 105.34 | 31.62 | 7.10 | 34.42 |

## 802.11ac VHT40_Nss1,(MCS0)_2TX

## 5190MHz_TX

03/09/2019

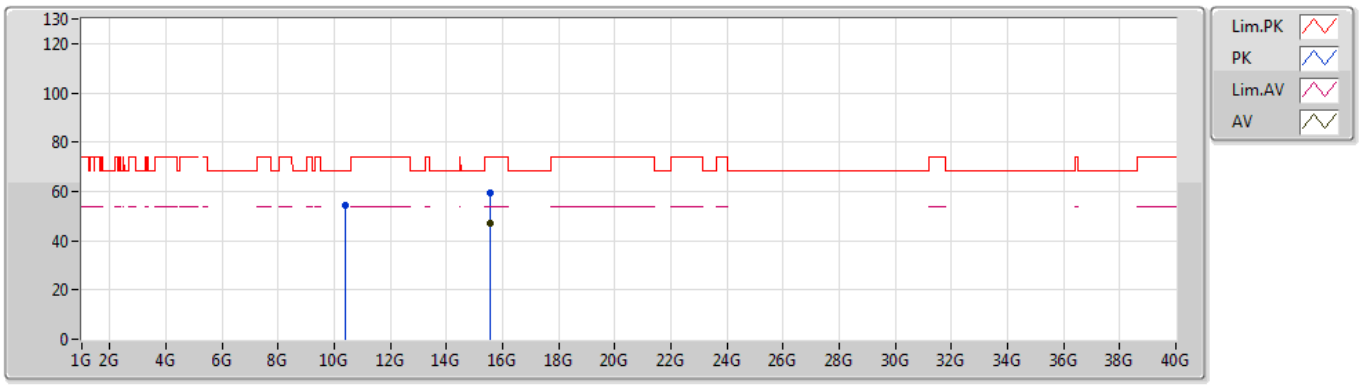



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.15G | 53.66 | 54.00 | -0.34 | 4.20 | 3 | Horizontal | 287 | 1.87 | - | 49.46 | 31.59 | 7.04 | 34.43 |
| AV | 5.188G | 97.00 | Inf | -Inf | 4.27 | 3 | Horizontal | 287 | 1.87 | - | 92.73 | 31.61 | 7.08 | 34.42 |
| PK | 5.15G | 69.34 | 74.00 | -4.66 | 4.20 | 3 | Horizontal | 287 | 1.87 | - | 65.14 | 31.59 | 7.04 | 34.43 |
| PK | 5.1872G | 106.66 | Inf | -Inf | 4.27 | 3 | Horizontal | 287 | 1.87 | - | 102.39 | 31.61 | 7.08 | 34.42 |

## 802.11ac VHT40_Nss1,(MCS0)_2TX

## 5190MHz_TX

03/09/2019

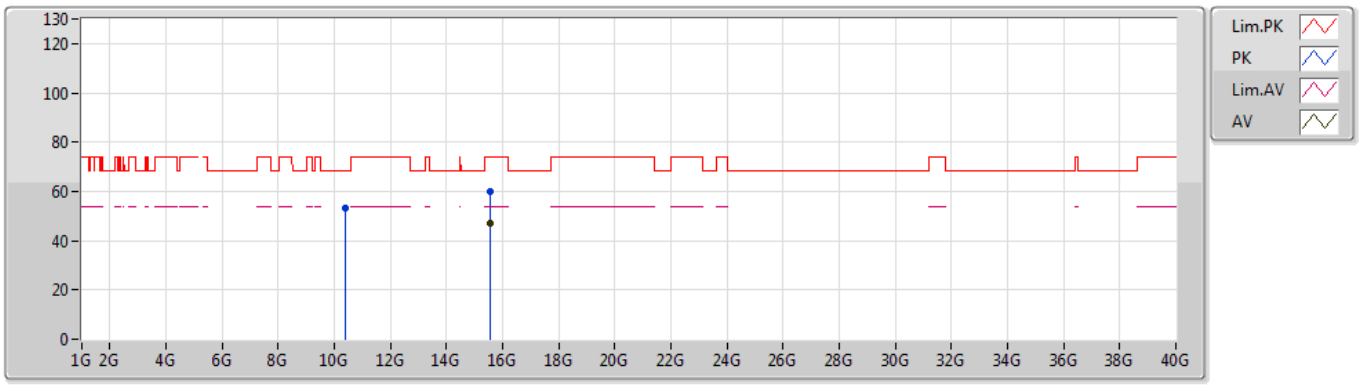



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.5454G | 46.97 | 54.00 | -7.03 | 16.99 | 3 | Vertical | 322 | 1.50 | - | 29.98 | 38.78 | 12.82 | 34.61 |
| PK | 10.37998G | 54.21 | 68.20 | -13.99 | 14.88 | 3 | Vertical | 334 | 2.69 | - | 39.33 | 39.43 | 10.33 | 34.88 |
| PK | 15.5458G | 59.62 | 74.00 | -14.38 | 16.99 | 3 | Vertical | 322 | 1.50 | - | 42.63 | 38.78 | 12.82 | 34.61 |

## 802.11ac VHT40_Nss1,(MCS0)_2TX

## 5190MHz_TX

03/09/2019

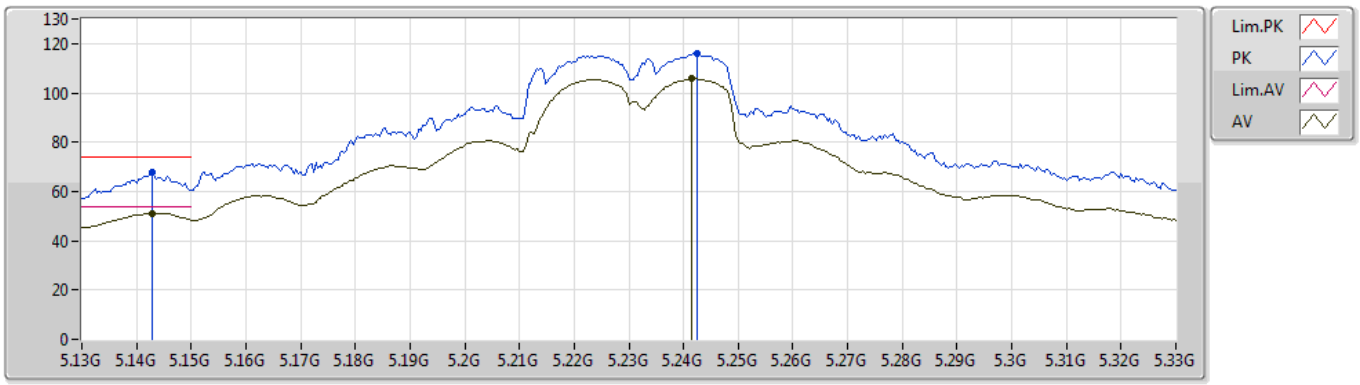



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.545G | 47.00 | 54.00 | -7.00 | 16.99 | 3 | Horizontal | 285 | 2.24 | - | 30.01 | 38.78 | 12.82 | 34.61 |
| PK | 10.38017G | 53.45 | 68.20 | -14.75 | 14.88 | 3 | Horizontal | 156 | 1.73 | - | 38.57 | 39.43 | 10.33 | 34.88 |
| PK | 15.546G | 59.82 | 74.00 | -14.18 | 16.99 | 3 | Horizontal | 285 | 2.24 | - | 42.83 | 38.78 | 12.82 | 34.61 |

## 802.11ac VHT40_Nss1,(MCS0)_2TX

## 5230MHz_TX

03/09/2019

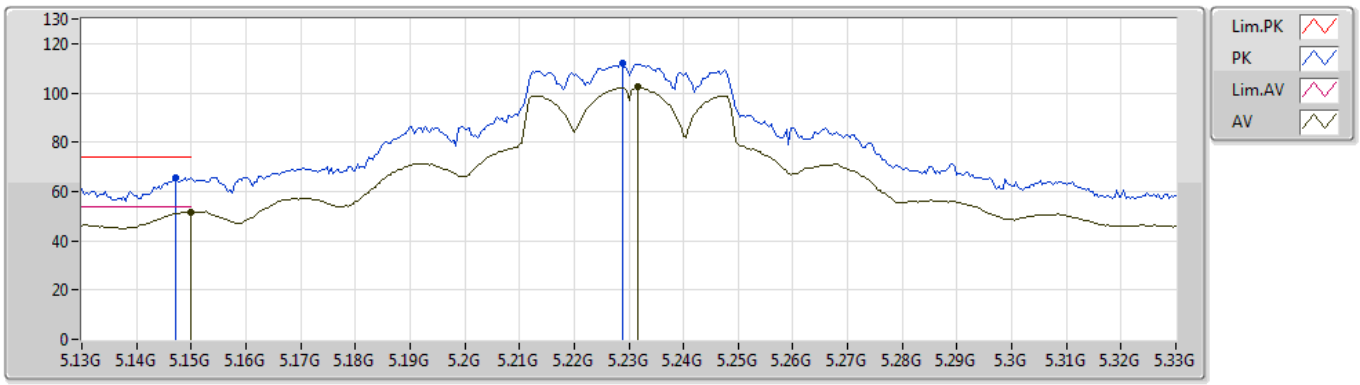



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1428G | 51.18 | 54.00 | -2.82 | 4.36 | 3 | Vertical | 246 | 1.00 | - | 46.82 | 31.76 | 7.03 | 34.43 |
| AV | 5.2416G | 105.76 | Inf | -Inf | 4.53 | 3 | Vertical | 246 | 1.00 | - | 101.23 | 31.80 | 7.15 | 34.42 |
| PK | 5.1428G | 67.73 | 74.00 | -6.27 | 4.36 | 3 | Vertical | 246 | 1.00 | - | 63.37 | 31.76 | 7.03 | 34.43 |
| PK | 5.2424G | 115.79 | Inf | -Inf | 4.53 | 3 | Vertical | 246 | 1.00 | - | 111.26 | 31.80 | 7.15 | 34.42 |

## 802.11ac VHT40_Nss1,(MCS0)_2TX

## 5230MHz_TX

03/09/2019

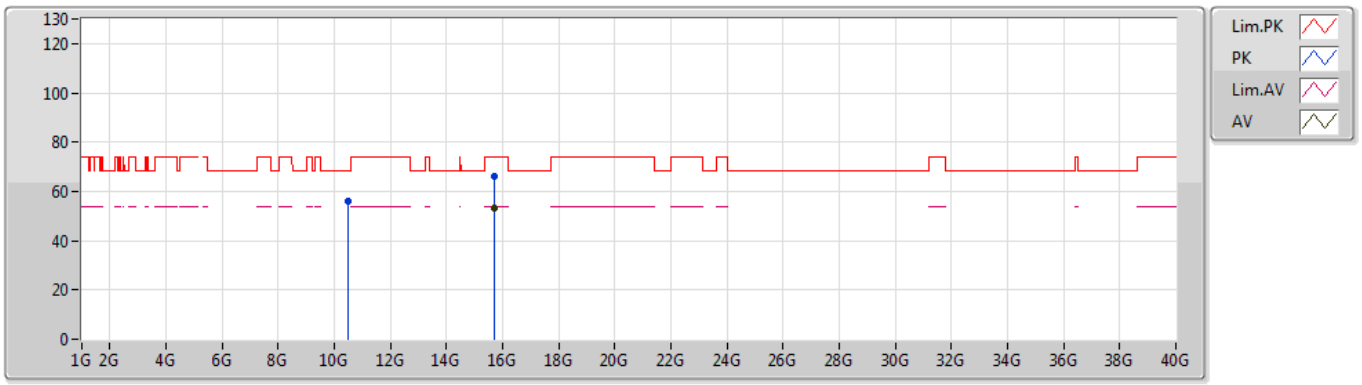



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.15G | 51.80 | 54.00 | -2.20 | 4.37 | 3 | Horizontal | 162 | 1.36 | - | 47.43 | 31.76 | 7.04 | 34.43 |
| AV | 5.2316G | 102.30 | Inf | -Inf | 4.51 | 3 | Horizontal | 162 | 1.36 | - | 97.79 | 31.79 | 7.14 | 34.42 |
| PK | 5.1472G | 65.81 | 74.00 | -8.19 | 4.36 | 3 | Horizontal | 162 | 1.36 | - | 61.45 | 31.76 | 7.03 | 34.43 |
| PK | 5.2288G | 111.86 | Inf | -Inf | 4.51 | 3 | Horizontal | 162 | 1.36 | - | 107.35 | 31.79 | 7.14 | 34.42 |

## 802.11ac VHT40_Nss1,(MCS0)_2TX

## 5230MHz_TX

03/09/2019

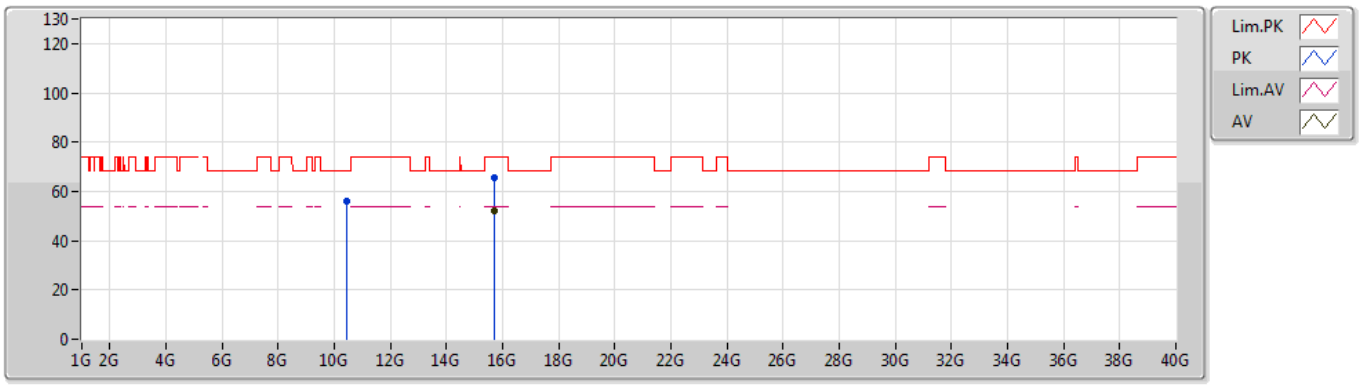



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.6849G | 53.32 | 54.00 | -0.68 | 16.53 | 3 | Vertical | 177 | 1.81 | - | 36.79 | 38.27 | 13.04 | 34.78 |
| PK | 10.4714G | 55.83 | 68.20 | -12.37 | 15.05 | 3 | Vertical | 256 | 2.96 | - | 40.78 | 39.51 | 10.35 | 34.81 |
| PK | 15.6835G | 66.11 | 74.00 | -7.89 | 16.53 | 3 | Vertical | 177 | 1.81 | - | 49.58 | 38.27 | 13.04 | 34.78 |

## 802.11ac VHT40_Nss1,(MCS0)_2TX

## 5230MHz_TX

03/09/2019

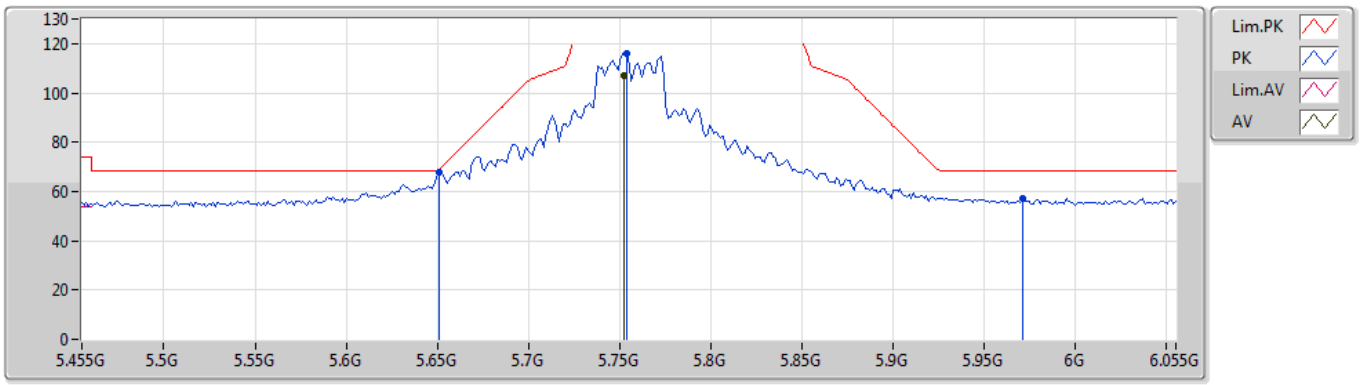



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.6819G | 52.11 | 54.00 | -1.89 | 16.55 | 3 | Horizontal | 302 | 1.05 | - | 35.56 | 38.28 | 13.04 | 34.77 |
| PK | 10.4492G | 56.06 | 68.20 | -12.14 | 14.99 | 3 | Horizontal | 64 | 1.67 | - | 41.07 | 39.48 | 10.34 | 34.83 |
| PK | 15.683G | 65.60 | 74.00 | -8.40 | 16.53 | 3 | Horizontal | 302 | 1.05 | - | 49.07 | 38.27 | 13.04 | 34.78 |

## 802.11ac VHT40_Nss1,(MCS0)_4TX

## 5755MHz_TX

05/09/2019

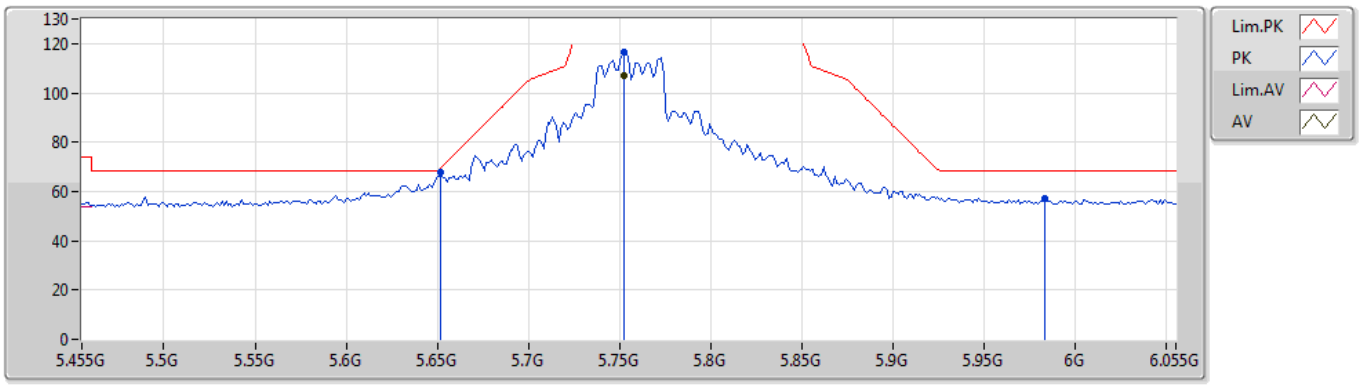



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7526G | 106.95 | Inf | -Inf | 5.32 | 3 | Vertical | 15 | 2.28 | - | 101.63 | 32.15 | 7.64 | 34.47 |
| PK | 5.6506G | 67.71 | 68.64 | -0.93 | 5.14 | 3 | Vertical | 15 | 2.28 | - | 62.57 | 32.01 | 7.57 | 34.44 |
| PK | 5.7538G | 116.20 | Inf | -Inf | 5.33 | 3 | Vertical | 15 | 2.28 | - | 110.87 | 32.16 | 7.64 | 34.47 |
| PK | 5.971G | 57.25 | 68.20 | -10.95 | 5.73 | 3 | Vertical | 15 | 2.28 | - | 51.52 | 32.46 | 7.78 | 34.51 |

## 802.11ac VHT40_Nss1,(MCS0)_4TX

## 5755MHz_TX

05/09/2019

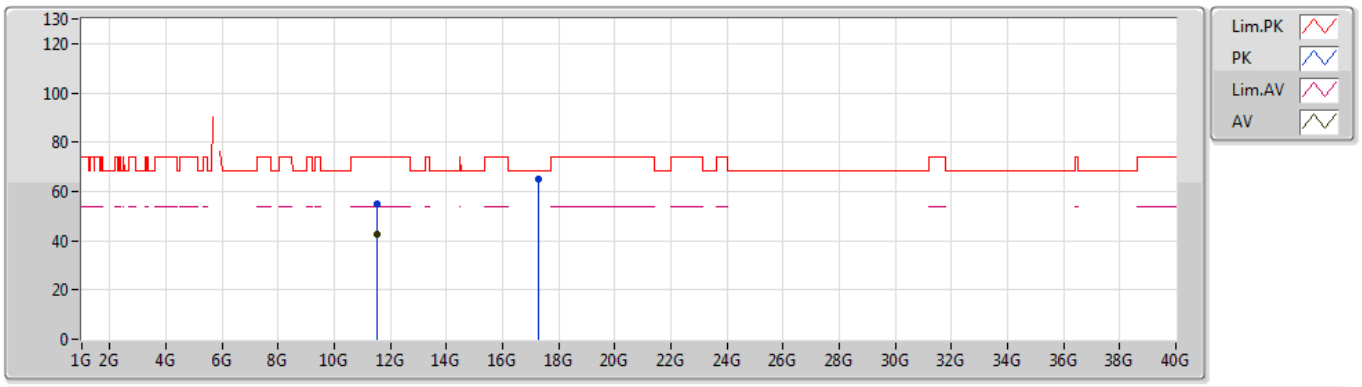



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7526G | 107.12 | Inf | -Inf | 5.32 | 3 | Horizontal | 16 | 2.26 | - | 101.80 | 32.15 | 7.64 | 34.47 |
| PK | 5.6518G | 67.85 | 69.53 | -1.68 | 5.14 | 3 | Horizontal | 16 | 2.26 | - | 62.71 | 32.01 | 7.57 | 34.44 |
| PK | 5.7526G | 116.54 | Inf | -Inf | 5.32 | 3 | Horizontal | 16 | 2.26 | - | 111.22 | 32.15 | 7.64 | 34.47 |
| PK | 5.983G | 57.38 | 68.20 | -10.82 | 5.75 | 3 | Horizontal | 16 | 2.26 | - | 51.63 | 32.48 | 7.79 | 34.52 |

## 802.11ac VHT40_Nss1,(MCS0)_4TX

## 5755MHz_TX

05/09/2019

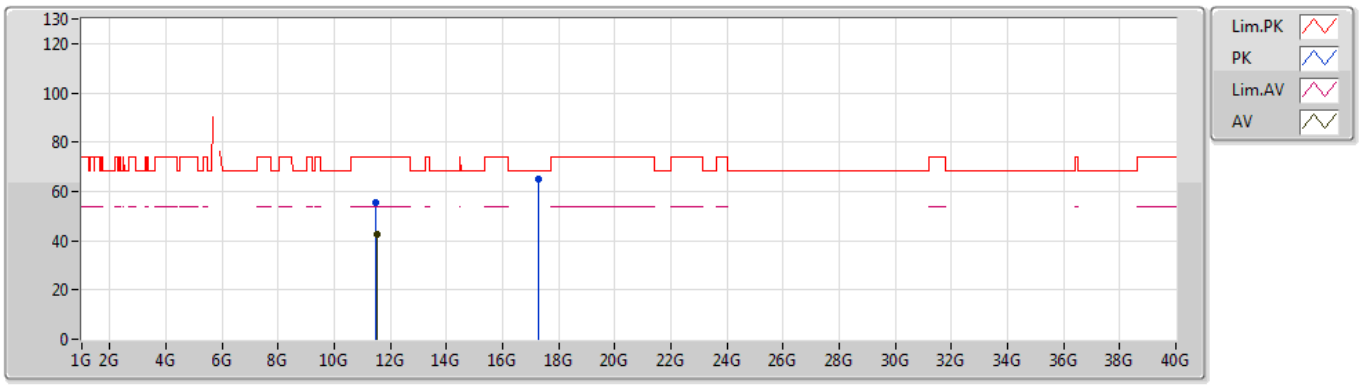



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.51366G | 42.52 | 54.00 | -11.48 | 15.76 | 3 | Vertical | 206 | 1.87 | - | 26.76 | 39.58 | 10.69 | 34.51 |
| PK | 11.52164G | 54.98 | 74.00 | -19.02 | 15.76 | 3 | Vertical | 206 | 1.87 | - | 39.22 | 39.57 | 10.70 | 34.51 |
| PK | 17.25876G | 64.80 | 68.20 | -3.40 | 22.16 | 3 | Vertical | 251 | 2.17 | - | 42.64 | 42.04 | 13.91 | 33.79 |

## 802.11ac VHT40_Nss1,(MCS0)_4TX

## 5755MHz_TX

05/09/2019

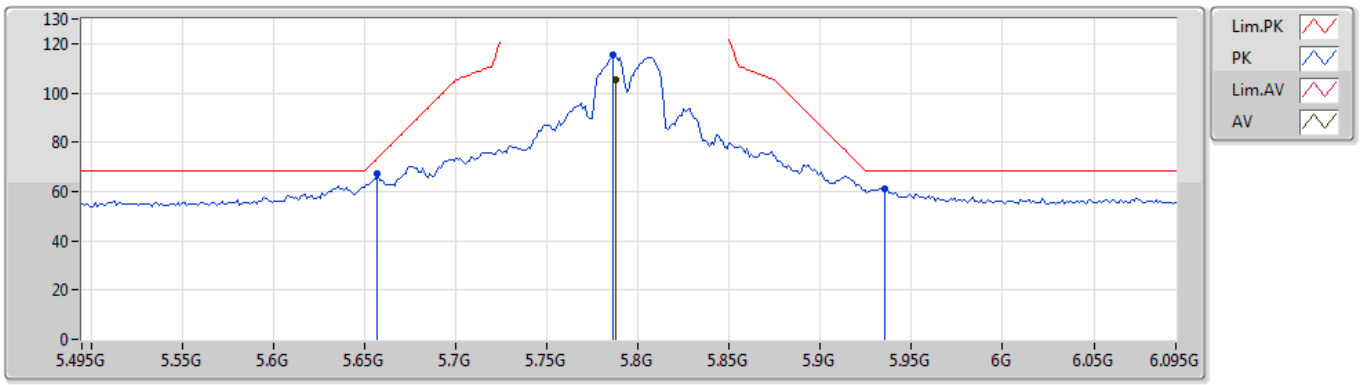



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.50058G | 42.67 | 54.00 | -11.33 | 15.78 | 3 | Horizontal | 360 | 1.49 | - | 26.89 | 39.60 | 10.69 | 34.51 |
| PK | 11.49914G | 55.39 | 74.00 | -18.61 | 15.79 | 3 | Horizontal | 360 | 1.49 | - | 39.60 | 39.60 | 10.69 | 34.50 |
| PK | 17.25588G | 64.73 | 68.20 | -3.47 | 22.14 | 3 | Horizontal | 348 | 1.41 | - | 42.59 | 42.02 | 13.91 | 33.79 |

## 802.11ac VHT40_Nss1,(MCS0)_4TX

## 5795MHz_TX

05/09/2019

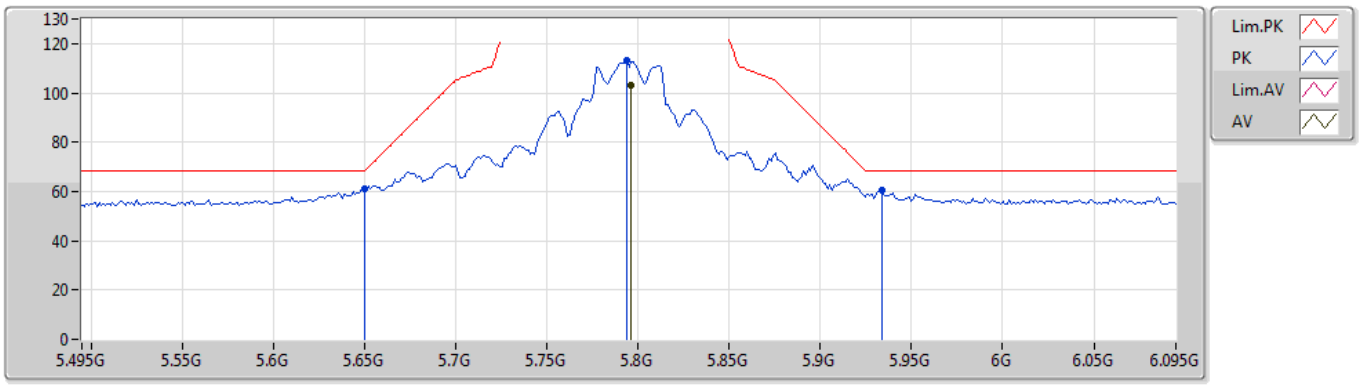



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7878G | 105.09 | Inf | -Inf | 5.48 | 3 | Vertical | 0 | 1.76 | - | 99.61 | 32.30 | 7.66 | 34.48 |
| PK | 5.657G | 67.34 | 73.38 | -6.04 | 5.26 | 3 | Vertical | 0 | 1.76 | - | 62.08 | 32.12 | 7.58 | 34.44 |
| PK | 5.7866G | 115.43 | Inf | -Inf | 5.48 | 3 | Vertical | 0 | 1.76 | - | 109.95 | 32.30 | 7.66 | 34.48 |
| PK | 5.9354G | 61.35 | 68.20 | -6.85 | 5.76 | 3 | Vertical | 0 | 1.76 | - | 55.59 | 32.51 | 7.76 | 34.51 |

## 802.11ac VHT40_Nss1,(MCS0)_4TX

## 5795MHz_TX

05/09/2019

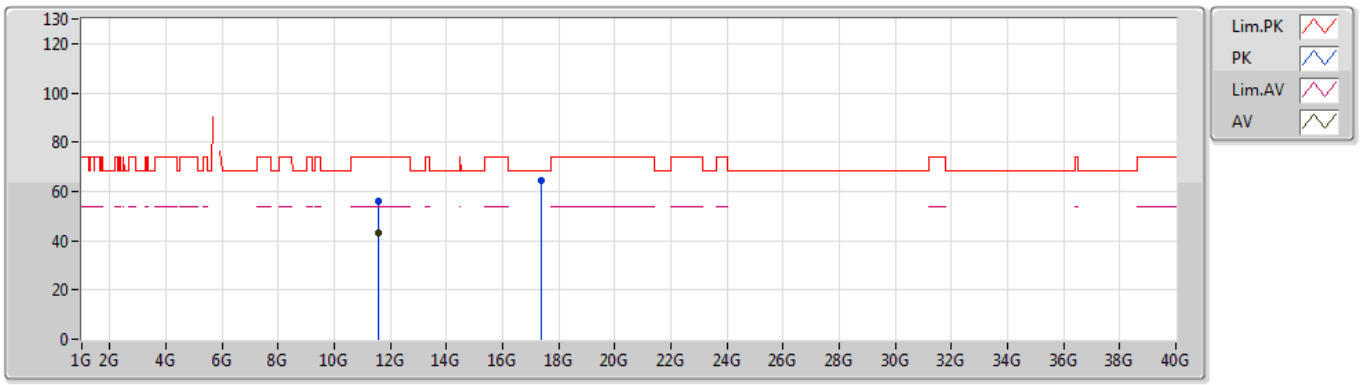



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7962G | 102.95 | Inf | -Inf | 5.50 | 3 | Horizontal | 12 | 1.96 | - | 97.45 | 32.31 | 7.67 | 34.48 |
| PK | 5.6498G | 61.04 | 68.20 | -7.16 | 5.24 | 3 | Horizontal | 12 | 1.96 | - | 55.80 | 32.11 | 7.57 | 34.44 |
| PK | 5.7938G | 113.14 | Inf | -Inf | 5.50 | 3 | Horizontal | 12 | 1.96 | - | 107.64 | 32.31 | 7.67 | 34.48 |
| PK | 5.9342G | 60.32 | 68.20 | -7.88 | 5.76 | 3 | Horizontal | 12 | 1.96 | - | 54.56 | 32.51 | 7.76 | 34.51 |

## 802.11ac VHT40_Nss1,(MCS0)_4TX

## 5795MHz_TX

05/09/2019

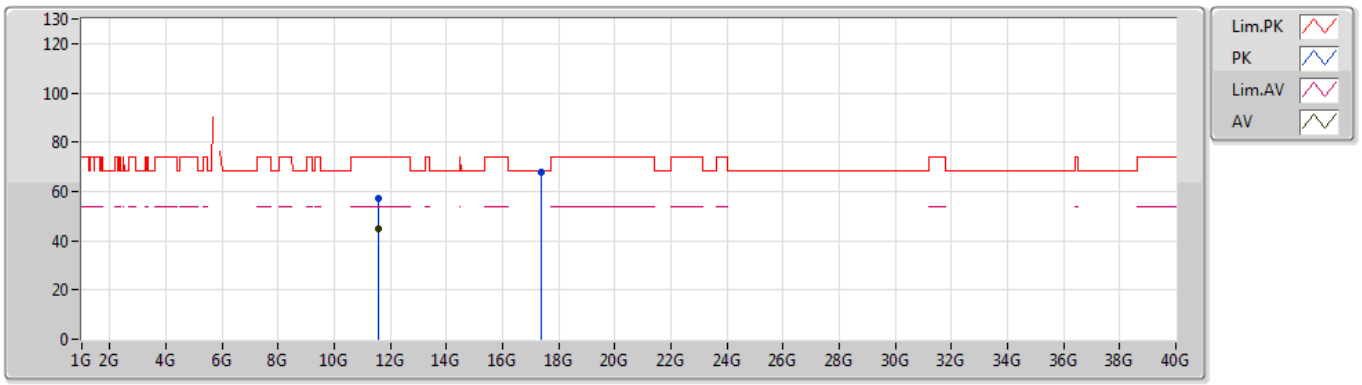



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.58982G | 43.38 | 54.00 | -10.62 | 15.69 | 3 | Vertical | 194 | 1.39 | - | 27.69 | 39.49 | 10.73 | 34.53 |
| PK | 11.59612G | 55.90 | 74.00 | -18.10 | 15.68 | 3 | Vertical | 194 | 1.39 | - | 40.22 | 39.48 | 10.73 | 34.53 |
| PK | 17.38398G | 64.31 | 68.20 | -3.89 | 22.63 | 3 | Vertical | 172 | 1.51 | - | 41.68 | 42.53 | 13.95 | 33.85 |

## 802.11ac VHT40_Nss1,(MCS0)_4TX

## 5795MHz_TX

05/09/2019

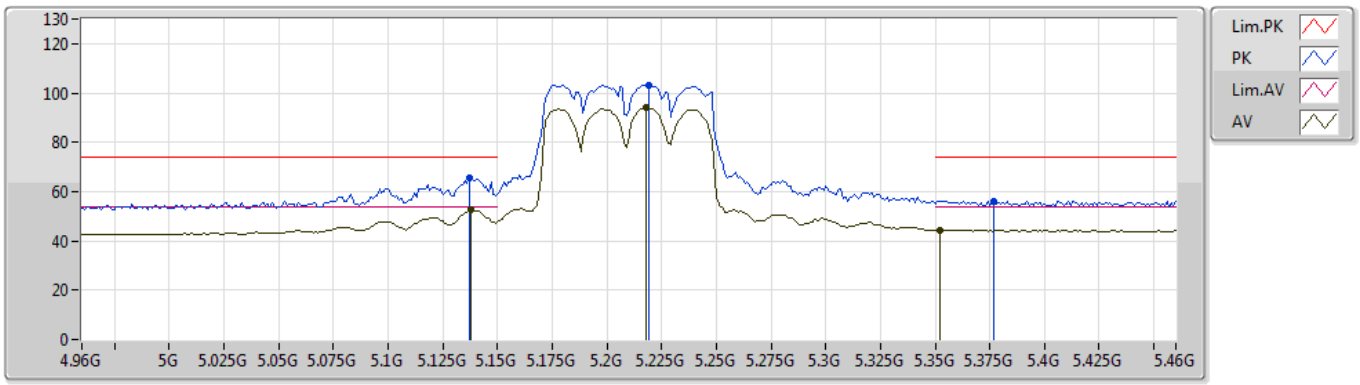



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.59426G | 44.64 | 54.00 | -9.36 | 15.69 | 3 | Horizontal | 145 | 1.49 | - | 28.95 | 39.49 | 10.73 | 34.53 |
| PK | 11.59462G | 57.10 | 74.00 | -16.90 | 15.69 | 3 | Horizontal | 145 | 1.49 | - | 41.41 | 39.49 | 10.73 | 34.53 |
| PK | 17.38038G | 67.99 | 68.20 | -0.21 | 22.60 | 3 | Horizontal | 333 | 1.49 | - | 45.39 | 42.51 | 13.94 | 33.85 |

## 802.11ac VHT80_Nss1,(MCS0)_2TX

## 5210MHz_TX

03/09/2019

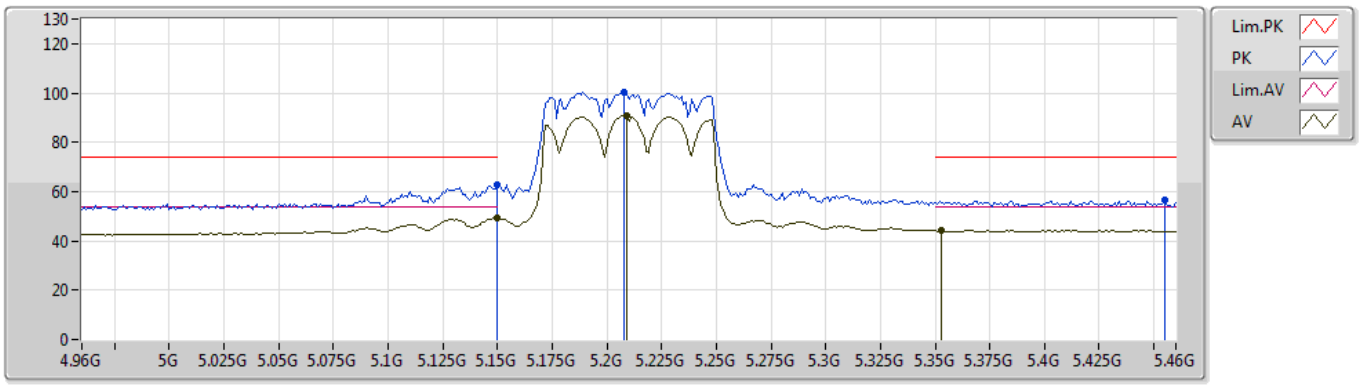



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.138G | 52.58 | 54.00 | -1.42 | 4.17 | 3 | Vertical | 169 | 1.68 | - | 48.41 | 31.58 | 7.02 | 34.43 |
| AV | 5.218G | 94.10 | Inf | -Inf | 4.33 | 3 | Vertical | 169 | 1.68 | - | 89.77 | 31.63 | 7.12 | 34.42 |
| AV | 5.352G | 44.52 | 54.00 | -9.48 | 4.59 | 3 | Vertical | 169 | 1.68 | - | 39.93 | 31.71 | 7.29 | 34.41 |
| PK | 5.137G | 65.71 | 74.00 | -8.29 | 4.17 | 3 | Vertical | 169 | 1.68 | - | 61.54 | 31.58 | 7.02 | 34.43 |
| PK | 5.219G | 103.36 | Inf | -Inf | 4.33 | 3 | Vertical | 169 | 1.68 | - | 99.03 | 31.63 | 7.12 | 34.42 |
| PK | 5.377G | 56.26 | 74.00 | -17.74 | 4.64 | 3 | Vertical | 169 | 1.68 | - | 51.62 | 31.73 | 7.32 | 34.41 |

## 802.11ac VHT80_Nss1,(MCS0)_2TX

## 5210MHz_TX

03/09/2019

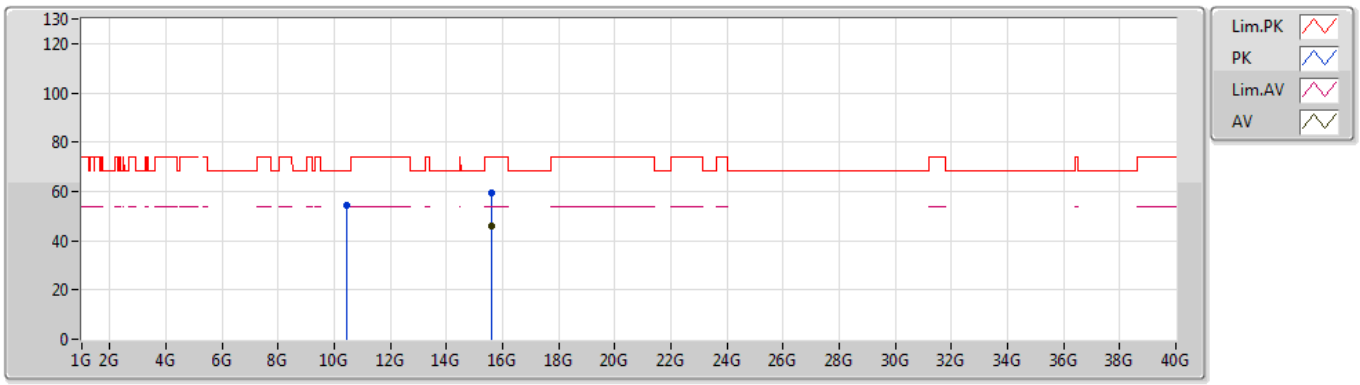



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.15G | 49.25 | 54.00 | -4.75 | 4.20 | 3 | Horizontal | 266 | 1.01 | - | 45.05 | 31.59 | 7.04 | 34.43 |
| AV | 5.209G | 90.95 | Inf | -Inf | 4.32 | 3 | Horizontal | 266 | 1.01 | - | 86.63 | 31.63 | 7.11 | 34.42 |
| AV | 5.353G | 44.17 | 54.00 | -9.83 | 4.59 | 3 | Horizontal | 266 | 1.01 | - | 39.58 | 31.71 | 7.29 | 34.41 |
| PK | 5.15G | 62.83 | 74.00 | -11.17 | 4.20 | 3 | Horizontal | 266 | 1.01 | - | 58.63 | 31.59 | 7.04 | 34.43 |
| PK | 5.208G | 100.23 | Inf | -Inf | 4.31 | 3 | Horizontal | 266 | 1.01 | - | 95.92 | 31.62 | 7.11 | 34.42 |
| PK | 5.455G | 56.71 | 74.00 | -17.29 | 4.78 | 3 | Horizontal | 266 | 1.01 | - | 51.93 | 31.77 | 7.42 | 34.41 |

## 802.11ac VHT80_Nss1,(MCS0)_2TX

## 5210MHz_TX

03/09/2019

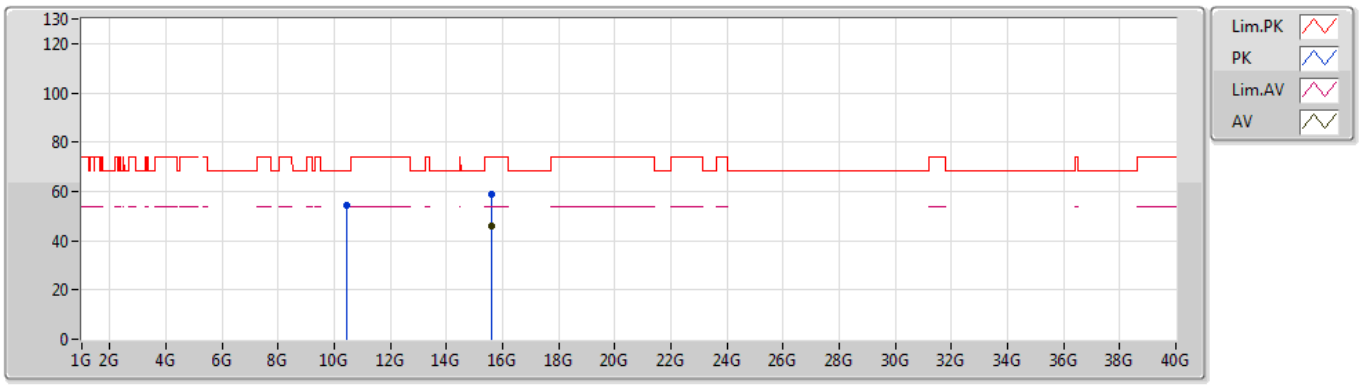



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.6218G | 45.96 | 54.00 | -8.04 | 16.74 | 3 | Vertical | 235 | 1.09 | - | 29.22 | 38.50 | 12.94 | 34.70 |
| PK | 10.41984G | 54.10 | 68.20 | -14.10 | 14.98 | 3 | Vertical | 328 | 1.48 | - | 39.12 | 39.49 | 10.34 | 34.85 |
| PK | 15.6158G | 59.17 | 74.00 | -14.83 | 16.75 | 3 | Vertical | 235 | 1.09 | - | 42.42 | 38.52 | 12.93 | 34.70 |

## 802.11ac VHT80_Nss1,(MCS0)_2TX

## 5210MHz_TX

03/09/2019

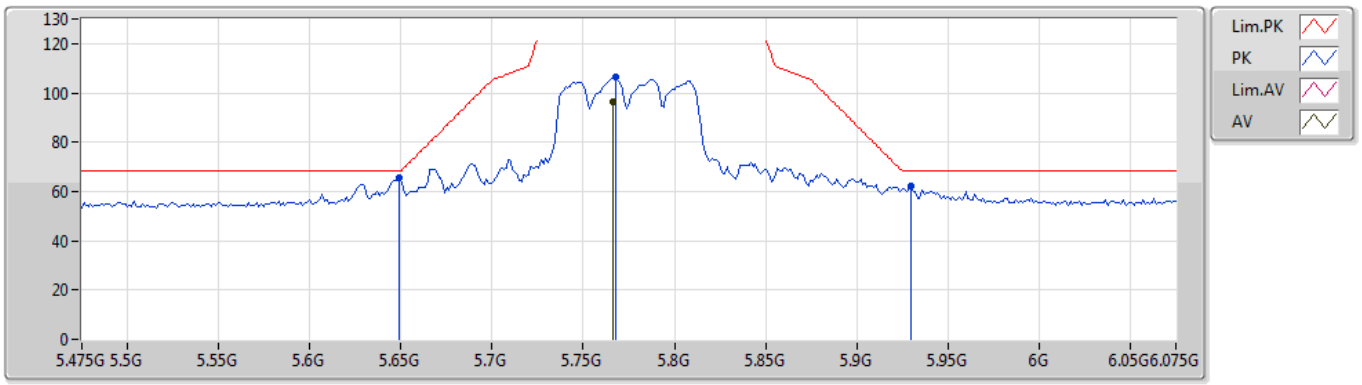



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.6082G | 46.10 | 54.00 | -7.90 | 16.78 | 3 | Horizontal | 281 | 1.50 | - | 29.32 | 38.55 | 12.92 | 34.69 |
| PK | 10.42032G | 54.54 | 68.20 | -13.66 | 14.98 | 3 | Horizontal | 156 | 1.67 | - | 39.56 | 39.49 | 10.34 | 34.85 |
| PK | 15.6202G | 58.95 | 74.00 | -15.05 | 16.75 | 3 | Horizontal | 281 | 1.50 | - | 42.20 | 38.51 | 12.94 | 34.70 |

## 802.11ac VHT80_Nss1,(MCS0)_4TX

## 5775MHz_TX

05/09/2019

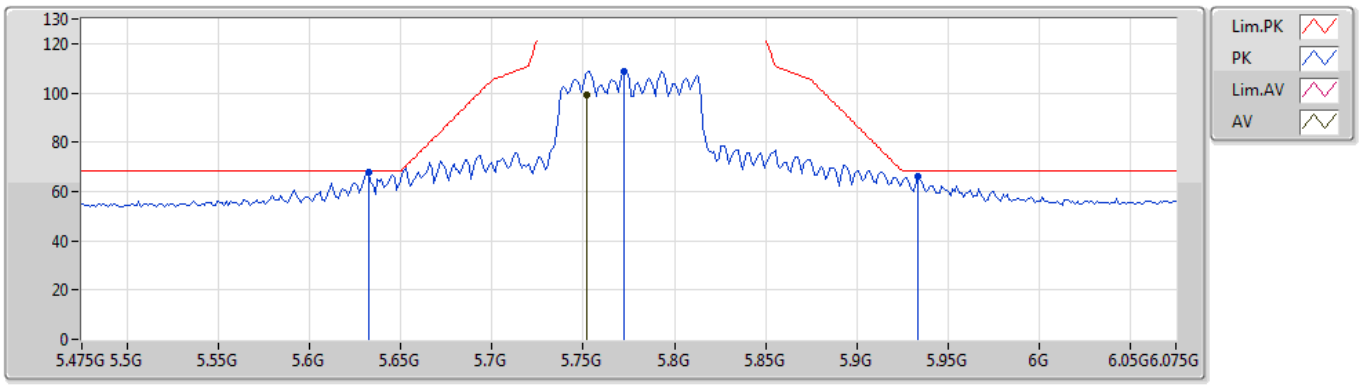



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7666G | 96.60 | Inf | -Inf | 5.35 | 3 | Vertical | 4 | 1.58 | - | 91.25 | 32.17 | 7.65 | 34.47 |
| PK | 5.649G | 65.68 | 68.20 | -2.52 | 5.14 | 3 | Vertical | 4 | 1.58 | - | 60.54 | 32.01 | 7.57 | 34.44 |
| PK | 5.7678G | 106.36 | Inf | -Inf | 5.35 | 3 | Vertical | 4 | 1.58 | - | 101.01 | 32.17 | 7.65 | 34.47 |
| PK | 5.9298G | 62.04 | 68.20 | -6.16 | 5.64 | 3 | Vertical | 4 | 1.58 | - | 56.40 | 32.40 | 7.75 | 34.51 |

## 802.11ac VHT80_Nss1,(MCS0)_4TX

## 5775MHz_TX

05/09/2019

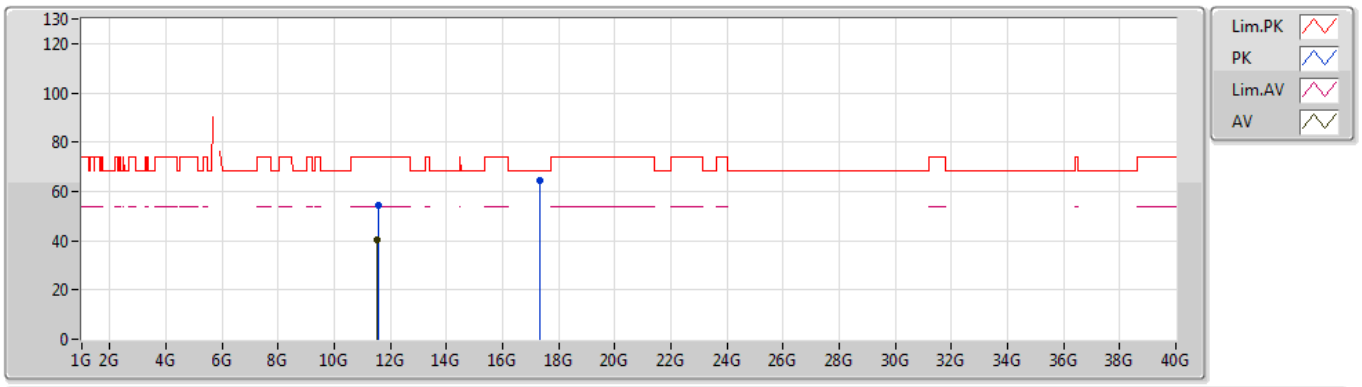



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7522G | 99.25 | Inf | -Inf | 5.32 | 3 | Horizontal | 14 | 2.27 | - | 93.93 | 32.15 | 7.64 | 34.47 |
| PK | 5.6322G | 67.81 | 68.20 | -0.39 | 5.11 | 3 | Horizontal | 14 | 2.27 | - | 62.70 | 31.99 | 7.56 | 34.44 |
| PK | 5.7726G | 108.98 | Inf | -Inf | 5.36 | 3 | Horizontal | 14 | 2.27 | - | 103.62 | 32.18 | 7.65 | 34.47 |
| PK | 5.9334G | 65.88 | 68.20 | -2.32 | 5.66 | 3 | Horizontal | 14 | 2.27 | - | 60.22 | 32.41 | 7.76 | 34.51 |

## 802.11ac VHT80_Nss1,(MCS0)_4TX

## 5775MHz_TX

05/09/2019

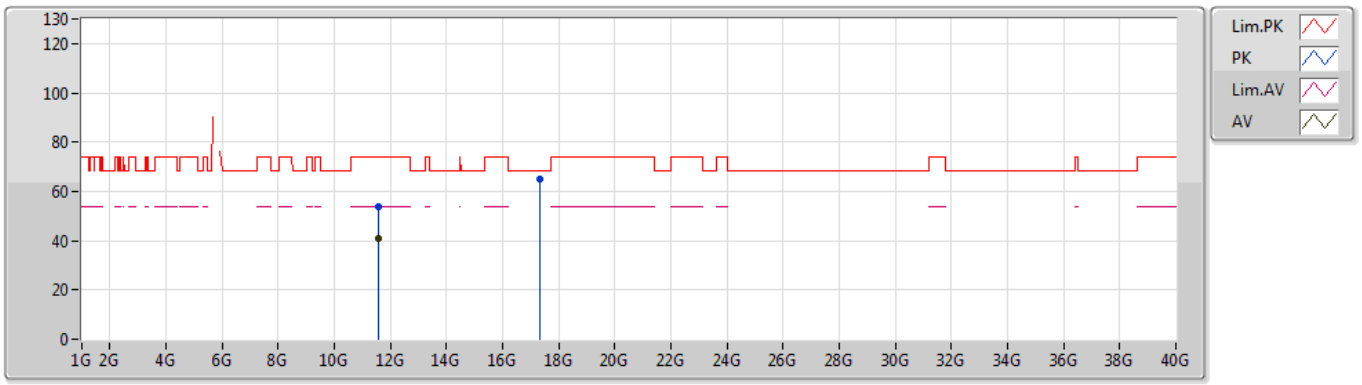



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.54172G | 40.16 | 54.00 | -13.84 | 15.73 | 3 | Vertical | 254 | 2.49 | - | 24.43 | 39.54 | 10.71 | 34.52 |
| PK | 11.55996G | 54.09 | 74.00 | -19.91 | 15.72 | 3 | Vertical | 254 | 2.49 | - | 38.37 | 39.52 | 10.72 | 34.52 |
| PK | 17.3289G | 64.52 | 68.20 | -3.68 | 22.68 | 3 | Vertical | 7 | 2.02 | - | 41.84 | 42.57 | 13.93 | 33.82 |

## 802.11ac VHT80_Nss1,(MCS0)_4TX

## 5775MHz_TX

05/09/2019




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.5614G | 40.91 | 54.00 | -13.09 | 15.71 | 3 | Horizontal | 0 | 1.59 | - | 25.20 | 39.51 | 10.72 | 34.52 |
| PK | 11.56014G | 54.03 | 74.00 | -19.97 | 15.72 | 3 | Horizontal | 0 | 1.59 | - | 38.31 | 39.52 | 10.72 | 34.52 |
| PK | 17.3133G | 65.24 | 68.20 | -2.96 | 22.56 | 3 | Horizontal | 129 | 2.29 | - | 42.68 | 42.45 | 13.93 | 33.82 |

## Summary

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.15-5.25GHz | - | - | - | - | - | - | - | - | - | - | - |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | Pass | PK | 80.44M | 36.37 | 40.00 | -3.63 | 3 | Vertical | 0 | 1.00 | - |
| 5.725-5.85GHz | - | - | - | - | - | - | - | - | - | - | - |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | Pass | PK | 61.04M | 33.61 | 40.00 | -6.39 | 3 | Horizontal | 0 | 1.00 | - |

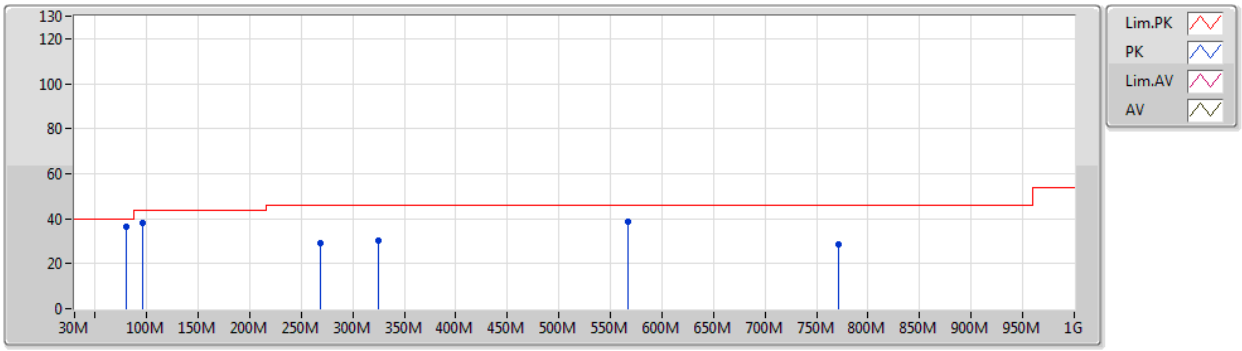
## Result

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - | - |
| 5210MHz | Pass | PK | 80.44M | 36.37 | 40.00 | -3.63 | 3 | Vertical | 0 | 1.00 | - |
| 5210MHz | Pass | PK | 95.96M | 38.29 | 43.50 | -5.21 | 3 | Vertical | 0 | 1.00 | - |
| 5210MHz | Pass | PK | 268.62M | 29.19 | 46.00 | -16.81 | 3 | Vertical | 0 | 1.00 | - |
| 5210MHz | Pass | PK | 324.88M | 30.21 | 46.00 | -15.79 | 3 | Vertical | 0 | 1.00 | - |
| 5210MHz | Pass | PK | 567.38M | 38.73 | 46.00 | -7.27 | 3 | Vertical | 0 | 1.00 | - |
| 5210MHz | Pass | PK | 771.08M | 28.33 | 46.00 | -17.67 | 3 | Vertical | 0 | 1.00 | - |
| 5210MHz | Pass | PK | 61.04M | 33.47 | 40.00 | -6.53 | 3 | Horizontal | 360 | 1.00 | - |
| 5210MHz | Pass | PK | 144.46M | 32.45 | 43.50 | -11.05 | 3 | Horizontal | 360 | 1.00 | - |
| 5210MHz | Pass | PK | 268.62M | 29.61 | 46.00 | -16.39 | 3 | Horizontal | 360 | 1.00 | - |
| 5210MHz | Pass | PK | 590.66M | 33.35 | 46.00 | -12.65 | 3 | Horizontal | 360 | 1.00 | - |
| 5210MHz | Pass | PK | 769.14M | 29.03 | 46.00 | -16.97 | 3 | Horizontal | 360 | 1.00 | - |
| 5210MHz | Pass | PK | 943.74M | 30.44 | 46.00 | -15.56 | 3 | Horizontal | 360 | 1.00 | - |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - | - |
| 5775MHz | Pass | PK | 64.92M | 28.71 | 40.00 | -11.29 | 3 | Vertical | 360 | 1.00 | - |
| 5775MHz | Pass | PK | 144.46M | 32.90 | 43.50 | -10.60 | 3 | Vertical | 360 | 1.00 | - |
| 5775MHz | Pass | PK | 231.76M | 26.43 | 46.00 | -19.57 | 3 | Vertical | 360 | 1.00 | - |
| 5775MHz | Pass | PK | 324.88M | 28.77 | 46.00 | -17.23 | 3 | Vertical | 360 | 1.00 | - |
| 5775MHz | Pass | PK | 561.56M | 38.52 | 46.00 | -7.48 | 3 | Vertical | 360 | 1.00 | - |
| 5775MHz | Pass | PK | 749.74M | 29.26 | 46.00 | -16.74 | 3 | Vertical | 360 | 1.00 | - |
| 5775MHz | Pass | PK | 61.04M | 33.61 | 40.00 | -6.39 | 3 | Horizontal | 0 | 1.00 | - |
| 5775MHz | Pass | PK | 144.46M | 33.30 | 43.50 | -10.20 | 3 | Horizontal | 0 | 1.00 | - |
| 5775MHz | Pass | PK | 324.88M | 30.31 | 46.00 | -15.69 | 3 | Horizontal | 0 | 1.00 | - |
| 5775MHz | Pass | PK | 596.48M | 35.92 | 46.00 | -10.08 | 3 | Horizontal | 0 | 1.00 | - |
| 5775MHz | Pass | PK | 769.14M | 30.04 | 46.00 | -15.96 | 3 | Horizontal | 0 | 1.00 | - |
| 5775MHz | Pass | PK | 953.44M | 30.30 | 46.00 | -15.70 | 3 | Horizontal | 0 | 1.00 | - |

## 802.11ac VHT80-BF_Nss1,(MCS0)_2TX

16/09/2019

## 5210MHz_Switching Power Supply

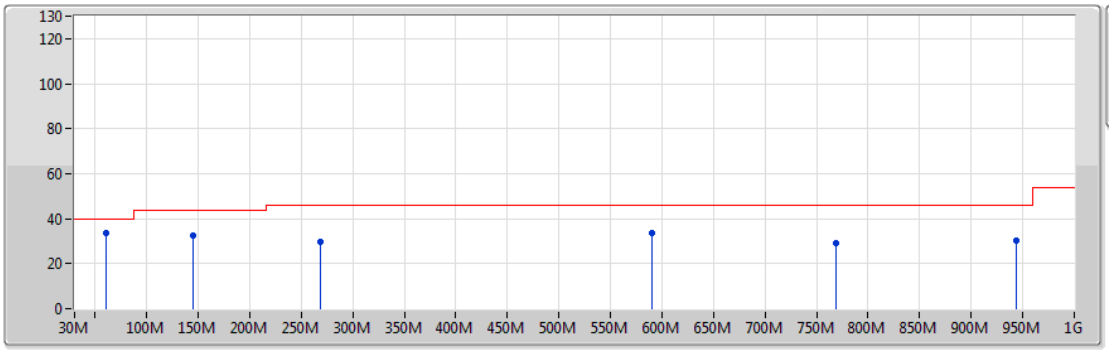



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 80.44M | 36.37 | 40.00 | -3.63 | -23.64 | 3 | Vertical | 0 | 1.00 | - | 60.01 | 12.56 | 0.73 | 36.93 |
| PK | 95.96M | 38.29 | 43.50 | -5.21 | -21.39 | 3 | Vertical | 0 | 1.00 | - | 59.68 | 14.63 | 0.79 | 36.81 |
| PK | 268.62M | 29.19 | 46.00 | -16.81 | -16.23 | 3 | Vertical | 0 | 1.00 | - | 45.42 | 18.86 | 1.35 | 36.44 |
| PK | 324.88M | 30.21 | 46.00 | -15.79 | -16.20 | 3 | Vertical | 0 | 1.00 | - | 46.41 | 18.81 | 1.51 | 36.52 |
| PK | 567.38M | 38.73 | 46.00 | -7.27 | -10.13 | 3 | Vertical | 0 | 1.00 | - | 48.86 | 24.95 | 2.04 | 37.12 |
| PK | 771.08M | 28.33 | 46.00 | -17.67 | -7.75 | 3 | Vertical | 0 | 1.00 | - | 36.08 | 27.32 | 2.39 | 37.46 |

## 802.11ac VHT80-BF_Nss1,(MCS0)_2TX

16/09/2019

## 5210MHz_Switching Power Supply

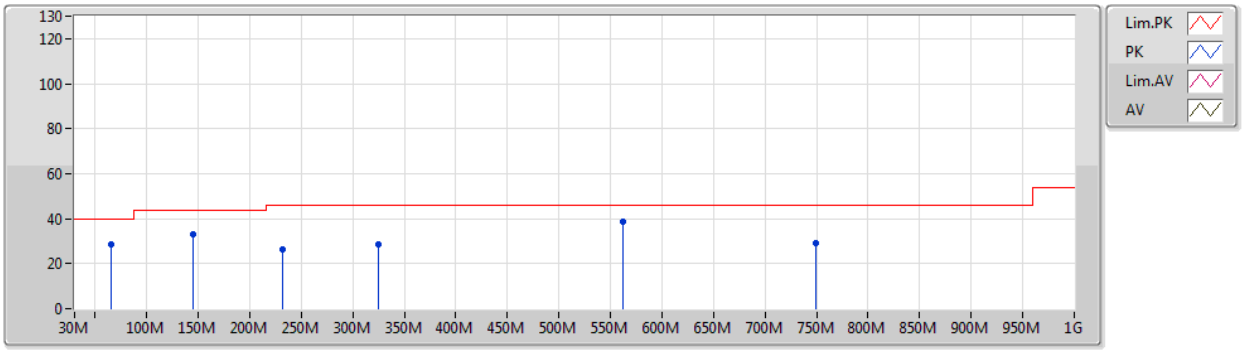



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 61.04M | 33.47 | 40.00 | -6.53 | -25.47 | 3 | Horizontal | 360 | 1.00 | - | 58.94 | 10.99 | 0.62 | 37.08 |
| PK | 144.46M | 32.45 | 43.50 | -11.05 | -19.15 | 3 | Horizontal | 360 | 1.00 | - | 51.60 | 16.47 | 0.97 | 36.59 |
| PK | 268.62M | 29.61 | 46.00 | -16.39 | -16.23 | 3 | Horizontal | 360 | 1.00 | - | 45.84 | 18.86 | 1.35 | 36.44 |
| PK | 590.66M | 33.35 | 46.00 | -12.65 | -10.50 | 3 | Horizontal | 360 | 1.00 | - | 43.85 | 24.61 | 2.08 | 37.19 |
| PK | 769.14M | 29.03 | 46.00 | -16.97 | -7.77 | 3 | Horizontal | 360 | 1.00 | - | 36.80 | 27.30 | 2.39 | 37.46 |
| PK | 943.74M | 30.44 | 46.00 | -15.56 | -4.80 | 3 | Horizontal | 360 | 1.00 | - | 35.24 | 29.92 | 2.60 | 37.32 |

## 802.11ac VHT80-BF_Nss1,(MCS0)_4TX

16/09/2019

## 5775MHz_Switching Power Supply

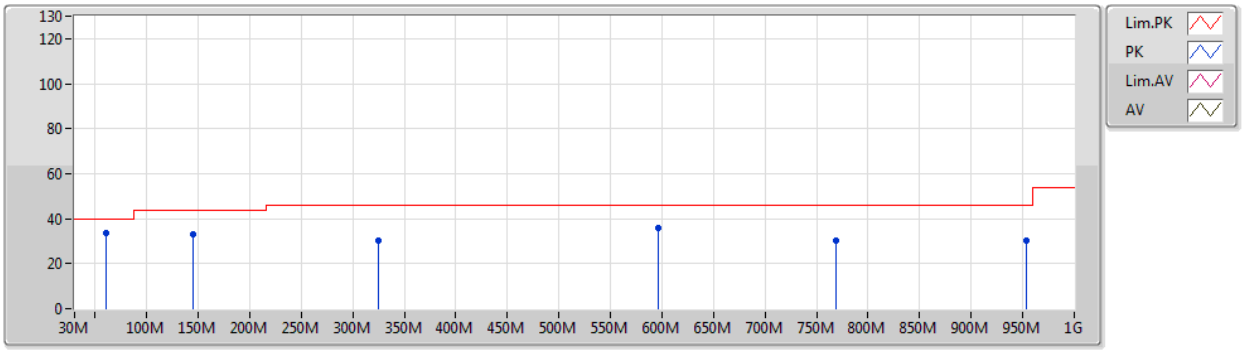



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 64.92M | 28.71 | 40.00 | -11.29 | -25.36 | 3 | Vertical | 360 | 1.00 | - | 54.07 | 11.05 | 0.64 | 37.05 |
| PK | 144.46M | 32.90 | 43.50 | -10.60 | -19.15 | 3 | Vertical | 360 | 1.00 | - | 52.05 | 16.47 | 0.97 | 36.59 |
| PK | 231.76M | 26.43 | 46.00 | -19.57 | -19.54 | 3 | Vertical | 360 | 1.00 | - | 45.97 | 15.61 | 1.25 | 36.40 |
| PK | 324.88M | 28.77 | 46.00 | -17.23 | -16.20 | 3 | Vertical | 360 | 1.00 | - | 44.97 | 18.81 | 1.51 | 36.52 |
| PK | 561.56M | 38.52 | 46.00 | -7.48 | -9.92 | 3 | Vertical | 360 | 1.00 | - | 48.44 | 25.15 | 2.03 | 37.10 |
| PK | 749.74M | 29.26 | 46.00 | -16.74 | -7.93 | 3 | Vertical | 360 | 1.00 | - | 37.19 | 27.15 | 2.35 | 37.43 |

## 802.11ac VHT80-BF_Nss1,(MCS0)_4TX

16/09/2019

## 5775MHz_Switching Power Supply




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 61.04M | 33.61 | 40.00 | -6.39 | -25.47 | 3 | Horizontal | 0 | 1.00 | - | 59.08 | 10.99 | 0.62 | 37.08 |
| PK | 144.46M | 33.30 | 43.50 | -10.20 | -19.15 | 3 | Horizontal | 0 | 1.00 | - | 52.45 | 16.47 | 0.97 | 36.59 |
| PK | 324.88M | 30.31 | 46.00 | -15.69 | -16.20 | 3 | Horizontal | 0 | 1.00 | - | 46.51 | 18.81 | 1.51 | 36.52 |
| PK | 596.48M | 35.92 | 46.00 | -10.08 | -10.46 | 3 | Horizontal | 0 | 1.00 | - | 46.38 | 24.66 | 2.09 | 37.21 |
| PK | 769.14M | 30.04 | 46.00 | -15.96 | -7.77 | 3 | Horizontal | 0 | 1.00 | - | 37.81 | 27.30 | 2.39 | 37.46 |
| PK | 953.44M | 30.30 | 46.00 | -15.70 | -4.53 | 3 | Horizontal | 0 | 1.00 | - | 34.83 | 30.14 | 2.61 | 37.28 |

## Summary

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.15-5.25GHz | - | - | - | - | - | - | - | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | Pass | AV | 5.15G | 52.26 | 54.00 | -1.74 | 3 | Vertical | 167 | 1.50 | - |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | Pass | AV | 5.15G | 52.64 | 54.00 | -1.36 | 3 | Vertical | 331 | 1.50 | - |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | Pass | AV | 5.149G | 53.06 | 54.00 | -0.94 | 3 | Vertical | 341 | 1.49 | - |
| 5.725-5.85GHz | - | - | - | - | - | - | - | - | - | - | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | Pass | AV | 11.65221G | 49.57 | 54.00 | -4.43 | 3 | Horizontal | 342 | 2.84 | - |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | Pass | PK | 5.6446G | 65.32 | 68.20 | -2.88 | 3 | Vertical | 266 | 2.39 | - |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | Pass | PK | 5.6454G | 64.37 | 68.20 | -3.83 | 3 | Horizontal | 325 | 2.58 | - |

## Result

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ac VHT20-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - | - |
| 5180MHz | Pass | AV | 5.15G | 52.26 | 54.00 | -1.74 | 3 | Vertical | 167 | 1.50 | - |
| 5180MHz | Pass | AV | 5.184G | 103.68 | Inf | -Inf | 3 | Vertical | 167 | 1.50 | - |
| 5180MHz | Pass | PK | 5.1466G | 69.34 | 74.00 | -4.66 | 3 | Vertical | 167 | 1.50 | - |
| 5180MHz | Pass | PK | 5.1848G | 115.47 | Inf | -Inf | 3 | Vertical | 167 | 1.50 | - |
| 5180MHz | Pass | PK | 5.1482G | 66.33 | 74.00 | -7.67 | 3 | Horizontal | 15 | 2.61 | - |
| 5180MHz | Pass | AV | 5.15G | 50.04 | 54.00 | -3.96 | 3 | Horizontal | 15 | 2.61 | - |
| 5180MHz | Pass | PK | 5.1862G | 110.61 | Inf | -Inf | 3 | Horizontal | 15 | 2.61 | - |
| 5180MHz | Pass | AV | 5.187G | 99.61 | Inf | -Inf | 3 | Horizontal | 15 | 2.61 | - |
| 5180MHz | Pass | PK | 10.35857G | 60.00 | 68.20 | -8.20 | 3 | Vertical | 207 | 1.48 | - |
| 5180MHz | Pass | PK | 10.36098G | 60.41 | 68.20 | -7.79 | 3 | Horizontal | 193 | 1.50 | - |
| 5200MHz | Pass | AV | 5.1176G | 48.57 | 54.00 | -5.43 | 3 | Vertical | 163 | 1.50 | - |
| 5200MHz | Pass | AV | 5.1916G | 104.80 | Inf | -Inf | 3 | Vertical | 163 | 1.50 | - |
| 5200MHz | Pass | PK | 5.1208G | 61.53 | 74.00 | -12.47 | 3 | Vertical | 163 | 1.50 | - |
| 5200MHz | Pass | PK | 5.1928G | 115.28 | Inf | -Inf | 3 | Vertical | 163 | 1.50 | - |
| 5200MHz | Pass | AV | 5.1124G | 48.46 | 54.00 | -5.54 | 3 | Horizontal | 10 | 2.60 | - |
| 5200MHz | Pass | AV | 5.1936G | 99.08 | Inf | -Inf | 3 | Horizontal | 10 | 2.60 | - |
| 5200MHz | Pass | PK | 5.1096G | 60.76 | 74.00 | -13.24 | 3 | Horizontal | 10 | 2.60 | - |
| 5200MHz | Pass | PK | 5.194G | 109.83 | Inf | -Inf | 3 | Horizontal | 10 | 2.60 | - |
| 5200MHz | Pass | PK | 10.40199G | 60.15 | 68.20 | -8.05 | 3 | Vertical | 12 | 1.26 | - |
| 5200MHz | Pass | PK | 10.40009G | 60.67 | 68.20 | -7.53 | 3 | Horizontal | 182 | 1.45 | - |
| 5240MHz | Pass | AV | 5.1242G | 48.54 | 54.00 | -5.46 | 3 | Vertical | 332 | 1.50 | - |
| 5240MHz | Pass | AV | 5.2322G | 107.23 | Inf | -Inf | 3 | Vertical | 332 | 1.50 | - |
| 5240MHz | Pass | AV | 5.3636G | 47.01 | 54.00 | -6.99 | 3 | Vertical | 332 | 1.50 | - |
| 5240MHz | Pass | PK | 5.1104G | 61.04 | 74.00 | -12.96 | 3 | Vertical | 332 | 1.50 | - |
| 5240MHz | Pass | PK | 5.2334G | 117.29 | Inf | -Inf | 3 | Vertical | 332 | 1.50 | - |
| 5240MHz | Pass | PK | 5.3564G | 59.53 | 74.00 | -14.47 | 3 | Vertical | 332 | 1.50 | - |
| 5240MHz | Pass | AV | 5.1158G | 48.58 | 54.00 | -5.42 | 3 | Horizontal | 185 | 1.62 | - |
| 5240MHz | Pass | AV | 5.234G | 104.93 | Inf | -Inf | 3 | Horizontal | 185 | 1.62 | - |
| 5240MHz | Pass | AV | 5.3714G | 46.96 | 54.00 | -7.04 | 3 | Horizontal | 185 | 1.62 | - |
| 5240MHz | Pass | PK | 5.1458G | 60.75 | 74.00 | -13.25 | 3 | Horizontal | 185 | 1.62 | - |
| 5240MHz | Pass | PK | 5.2334G | 116.56 | Inf | -Inf | 3 | Horizontal | 185 | 1.62 | - |
| 5240MHz | Pass | PK | 5.3552G | 59.08 | 74.00 | -14.92 | 3 | Horizontal | 185 | 1.62 | - |
| 5240MHz | Pass | PK | 10.4818G | 60.54 | 68.20 | -7.66 | 3 | Vertical | 34 | 2.94 | - |
| 5240MHz | Pass | PK | 10.47955G | 61.21 | 68.20 | -6.99 | 3 | Horizontal | 131 | 1.50 | - |
| 802.11ac VHT20-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - | - |
| 5745MHz | Pass | AV | 5.7486G | 109.62 | Inf | -Inf | 3 | Vertical | 260 | 2.37 | - |
| 5745MHz | Pass | PK | 5.6262G | 60.72 | 68.20 | -7.48 | 3 | Vertical | 260 | 2.37 | - |
| 5745MHz | Pass | PK | 5.7486G | 120.68 | Inf | -Inf | 3 | Vertical | 260 | 2.37 | - |
| 5745MHz | Pass | PK | 5.9334G | 61.55 | 68.20 | -6.65 | 3 | Vertical | 260 | 2.37 | - |
| 5745MHz | Pass | AV | 5.7402G | 105.64 | Inf | -Inf | 3 | Horizontal | 344 | 2.26 | - |
| 5745MHz | Pass | PK | 5.649G | 60.51 | 68.20 | -7.69 | 3 | Horizontal | 344 | 2.26 | - |
| 5745MHz | Pass | PK | 5.7462G | 116.88 | Inf | -Inf | 3 | Horizontal | 344 | 2.26 | - |
| 5745MHz | Pass | PK | 5.9754G | 61.53 | 68.20 | -6.67 | 3 | Horizontal | 344 | 2.26 | - |
| 5745MHz | Pass | AV | 11.49249G | 48.27 | 54.00 | -5.73 | 3 | Vertical | 338 | 2.09 | - |
| 5745MHz | Pass | PK | 11.49059G | 61.68 | 74.00 | -12.32 | 3 | Vertical | 338 | 2.09 | - |
| 5745MHz | Pass | AV | 11.49132G | 48.14 | 54.00 | -5.86 | 3 | Horizontal | 336 | 1.50 | - |
| 5745MHz | Pass | PK | 11.49227G | 61.27 | 74.00 | -12.73 | 3 | Horizontal | 336 | 1.50 | - |

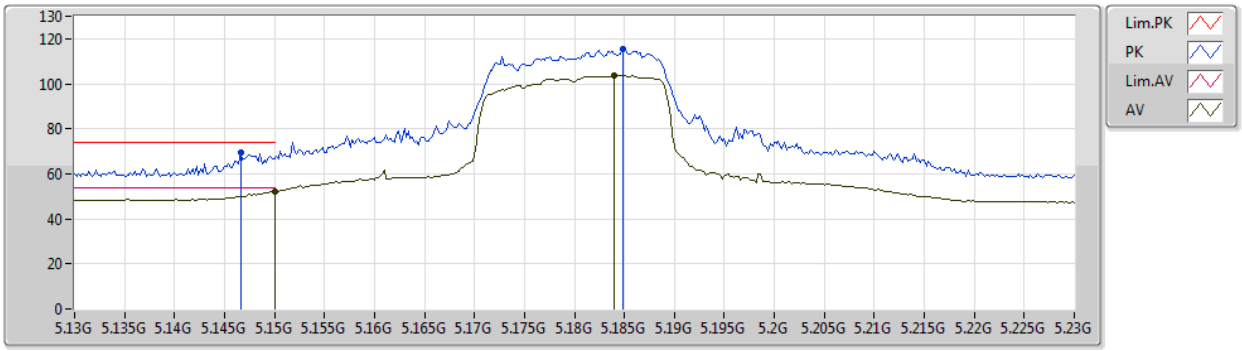
| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5785MHz | Pass | AV | 5.7766G | 106.50 | Inf | -Inf | 3 | Vertical | 163 | 1.50 | - |
| 5785MHz | Pass | PK | 5.6314G | 60.41 | 68.20 | -7.79 | 3 | Vertical | 163 | 1.50 | - |
| 5785MHz | Pass | PK | 5.7778G | 116.64 | Inf | -Inf | 3 | Vertical | 163 | 1.50 | - |
| 5785MHz | Pass | PK | 5.989G | 61.67 | 68.20 | -6.53 | 3 | Vertical | 163 | 1.50 | - |
| 5785MHz | Pass | AV | 5.7898G | 104.25 | Inf | -Inf | 3 | Horizontal | 345 | 2.70 | - |
| 5785MHz | Pass | PK | 5.4982G | 60.41 | 68.20 | -7.79 | 3 | Horizontal | 345 | 2.70 | - |
| 5785MHz | Pass | PK | 5.7922G | 116.34 | Inf | -Inf | 3 | Horizontal | 345 | 2.70 | - |
| 5785MHz | Pass | PK | 5.9578G | 60.90 | 68.20 | -7.30 | 3 | Horizontal | 345 | 2.70 | - |
| 5785MHz | Pass | AV | 11.57242G | 47.84 | 54.00 | -6.16 | 3 | Vertical | 40 | 1.50 | - |
| 5785MHz | Pass | PK | 11.57G | 61.07 | 74.00 | -12.93 | 3 | Vertical | 40 | 1.50 | - |
| 5785MHz | Pass | AV | 11.5716G | 48.42 | 54.00 | -5.58 | 3 | Horizontal | 336 | 3.00 | - |
| 5785MHz | Pass | PK | 11.57101G | 61.38 | 74.00 | -12.62 | 3 | Horizontal | 336 | 3.00 | - |
| 5825MHz | Pass | AV | 5.8298G | 105.73 | Inf | -Inf | 3 | Vertical | 165 | 1.50 | - |
| 5825MHz | Pass | PK | 5.6258G | 60.66 | 68.20 | -7.54 | 3 | Vertical | 165 | 1.50 | - |
| 5825MHz | Pass | PK | 5.8298G | 116.29 | Inf | -Inf | 3 | Vertical | 165 | 1.50 | - |
| 5825MHz | Pass | PK | 5.957G | 62.06 | 68.20 | -6.14 | 3 | Vertical | 165 | 1.50 | - |
| 5825MHz | Pass | AV | 5.8274G | 104.84 | Inf | -Inf | 3 | Horizontal | 296 | 2.63 | - |
| 5825MHz | Pass | PK | 5.5358G | 61.56 | 68.20 | -6.64 | 3 | Horizontal | 296 | 2.63 | - |
| 5825MHz | Pass | PK | 5.8274G | 114.26 | Inf | -Inf | 3 | Horizontal | 296 | 2.63 | - |
| 5825MHz | Pass | PK | 5.9762G | 61.05 | 68.20 | -7.15 | 3 | Horizontal | 296 | 2.63 | - |
| 5825MHz | Pass | AV | 11.65239G | 48.48 | 54.00 | -5.52 | 3 | Vertical | 0 | 2.56 | - |
| 5825MHz | Pass | PK | 11.65196G | 61.48 | 74.00 | -12.52 | 3 | Vertical | 0 | 2.56 | - |
| 5825MHz | Pass | AV | 11.65221G | 49.57 | 54.00 | -4.43 | 3 | Horizontal | 342 | 2.84 | - |
| 5825MHz | Pass | PK | 11.6518G | 62.62 | 74.00 | -11.38 | 3 | Horizontal | 342 | 2.84 | - |
| 802.11ac VHT40-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - | - |
| 5190MHz | Pass | AV | 5.15G | 52.01 | 54.00 | -1.99 | 3 | Vertical | 164 | 1.50 | - |
| 5190MHz | Pass | AV | 5.1824G | 97.95 | Inf | -Inf | 3 | Vertical | 164 | 1.50 | - |
| 5190MHz | Pass | PK | 5.1456G | 70.04 | 74.00 | -3.96 | 3 | Vertical | 164 | 1.50 | - |
| 5190MHz | Pass | PK | 5.2012G | 108.65 | Inf | -Inf | 3 | Vertical | 164 | 1.50 | - |
| 5190MHz | Pass | AV | 5.15G | 51.62 | 54.00 | -2.38 | 3 | Horizontal | 197 | 2.63 | - |
| 5190MHz | Pass | AV | 5.1824G | 98.15 | Inf | -Inf | 3 | Horizontal | 197 | 2.63 | - |
| 5190MHz | Pass | PK | 5.1436G | 68.63 | 74.00 | -5.37 | 3 | Horizontal | 197 | 2.63 | - |
| 5190MHz | Pass | PK | 5.1828G | 109.05 | Inf | -Inf | 3 | Horizontal | 197 | 2.63 | - |
| 5190MHz | Pass | PK | 10.38103G | 60.90 | 68.20 | -7.30 | 3 | Vertical | 0 | 1.83 | - |
| 5190MHz | Pass | PK | 10.38239G | 60.72 | 68.20 | -7.48 | 3 | Horizontal | 92 | 1.50 | - |
| 5230MHz | Pass | AV | 5.15G | 52.64 | 54.00 | -1.36 | 3 | Vertical | 331 | 1.50 | - |
| 5230MHz | Pass | AV | 5.2268G | 104.98 | Inf | -Inf | 3 | Vertical | 331 | 1.50 | - |
| 5230MHz | Pass | PK | 5.1468G | 67.09 | 74.00 | -6.91 | 3 | Vertical | 331 | 1.50 | - |
| 5230MHz | Pass | PK | 5.2272G | 115.92 | Inf | -Inf | 3 | Vertical | 331 | 1.50 | - |
| 5230MHz | Pass | AV | 5.1496G | 52.13 | 54.00 | -1.87 | 3 | Horizontal | 184 | 1.62 | - |
| 5230MHz | Pass | AV | 5.2272G | 103.84 | Inf | -Inf | 3 | Horizontal | 184 | 1.62 | - |
| 5230MHz | Pass | PK | 5.1484G | 66.01 | 74.00 | -7.99 | 3 | Horizontal | 184 | 1.62 | - |
| 5230MHz | Pass | PK | 5.2268G | 114.82 | Inf | -Inf | 3 | Horizontal | 184 | 1.62 | - |
| 5230MHz | Pass | PK | 10.4546G | 60.80 | 68.20 | -7.40 | 3 | Vertical | 40 | 1.50 | - |
| 5230MHz | Pass | PK | 10.46233G | 61.10 | 68.20 | -7.10 | 3 | Horizontal | 135 | 2.39 | - |
| 802.11ac VHT40-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - | - |
| 5755MHz | Pass | AV | 5.7466G | 107.49 | Inf | -Inf | 3 | Vertical | 266 | 2.39 | - |
| 5755MHz | Pass | PK | 5.6446G | 65.32 | 68.20 | -2.88 | 3 | Vertical | 266 | 2.39 | - |
| 5755MHz | Pass | PK | 5.7454G | 118.70 | Inf | -Inf | 3 | Vertical | 266 | 2.39 | - |

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5755MHz | Pass | PK | 5.9662G | 61.28 | 68.20 | -6.92 | 3 | Vertical | 266 | 2.39 | - |
| 5755MHz | Pass | AV | 5.749G | 101.75 | Inf | -Inf | 3 | Horizontal | 349 | 2.97 | - |
| 5755MHz | Pass | PK | 5.6482G | 64.40 | 68.20 | -3.80 | 3 | Horizontal | 349 | 2.97 | - |
| 5755MHz | Pass | PK | 5.7574G | 112.87 | Inf | -Inf | 3 | Horizontal | 349 | 2.97 | - |
| 5755MHz | Pass | PK | 5.9806G | 60.90 | 68.20 | -7.30 | 3 | Horizontal | 349 | 2.97 | - |
| 5755MHz | Pass | AV | 11.51178G | 47.58 | 54.00 | -6.42 | 3 | Vertical | 335 | 2.96 | - |
| 5755MHz | Pass | PK | 11.50867G | 60.35 | 74.00 | -13.65 | 3 | Vertical | 335 | 2.96 | - |
| 5755MHz | Pass | AV | 11.5125G | 47.67 | 54.00 | -6.33 | 3 | Horizontal | 349 | 1.44 | - |
| 5755MHz | Pass | PK | 11.50769G | 61.52 | 74.00 | -12.48 | 3 | Horizontal | 349 | 1.44 | - |
| 5795MHz | Pass | AV | 5.7938G | 107.15 | Inf | -Inf | 3 | Vertical | 251 | 2.22 | - |
| 5795MHz | Pass | PK | 5.645G | 61.94 | 68.20 | -6.26 | 3 | Vertical | 251 | 2.22 | - |
| 5795MHz | Pass | PK | 5.7962G | 117.86 | Inf | -Inf | 3 | Vertical | 251 | 2.22 | - |
| 5795MHz | Pass | PK | 5.9282G | 62.10 | 68.20 | -6.10 | 3 | Vertical | 251 | 2.22 | - |
| 5795MHz | Pass | AV | 5.7986G | 102.14 | Inf | -Inf | 3 | Horizontal | 346 | 2.78 | - |
| 5795MHz | Pass | PK | 5.6486G | 62.55 | 68.20 | -5.65 | 3 | Horizontal | 346 | 2.78 | - |
| 5795MHz | Pass | PK | 5.7962G | 112.85 | Inf | -Inf | 3 | Horizontal | 346 | 2.78 | - |
| 5795MHz | Pass | PK | 5.9282G | 62.60 | 68.20 | -5.60 | 3 | Horizontal | 346 | 2.78 | - |
| 5795MHz | Pass | AV | 11.58991G | 47.66 | 54.00 | -6.34 | 3 | Vertical | 182 | 2.63 | - |
| 5795MHz | Pass | PK | 11.59011G | 61.01 | 74.00 | -12.99 | 3 | Vertical | 182 | 2.63 | - |
| 5795MHz | Pass | AV | 11.59157G | 47.98 | 54.00 | -6.02 | 3 | Horizontal | 323 | 1.93 | - |
| 5795MHz | Pass | PK | 11.59112G | 61.79 | 74.00 | -12.21 | 3 | Horizontal | 323 | 1.93 | - |
| 802.11ac VHT80-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - | - |
| 5210MHz | Pass | AV | 5.149G | 53.06 | 54.00 | -0.94 | 3 | Vertical | 341 | 1.49 | - |
| 5210MHz | Pass | AV | 5.178G | 95.61 | Inf | -Inf | 3 | Vertical | 341 | 1.49 | - |
| 5210MHz | Pass | AV | 5.454G | 47.70 | 54.00 | -6.30 | 3 | Vertical | 341 | 1.49 | - |
| 5210MHz | Pass | PK | 5.14G | 65.33 | 74.00 | -8.67 | 3 | Vertical | 341 | 1.49 | - |
| 5210MHz | Pass | PK | 5.186G | 108.67 | Inf | -Inf | 3 | Vertical | 341 | 1.49 | - |
| 5210MHz | Pass | PK | 5.352G | 59.73 | 74.00 | -14.27 | 3 | Vertical | 341 | 1.49 | - |
| 5210MHz | Pass | AV | 5.146G | 52.12 | 54.00 | -1.88 | 3 | Horizontal | 176 | 1.49 | - |
| 5210MHz | Pass | AV | 5.18G | 94.66 | Inf | -Inf | 3 | Horizontal | 176 | 1.49 | - |
| 5210MHz | Pass | AV | 5.459G | 47.59 | 54.00 | -6.41 | 3 | Horizontal | 176 | 1.49 | - |
| 5210MHz | Pass | PK | 5.147G | 64.36 | 74.00 | -9.64 | 3 | Horizontal | 176 | 1.49 | - |
| 5210MHz | Pass | PK | 5.191G | 104.56 | Inf | -Inf | 3 | Horizontal | 176 | 1.49 | - |
| 5210MHz | Pass | PK | 5.449G | 59.93 | 74.00 | -14.07 | 3 | Horizontal | 176 | 1.49 | - |
| 5210MHz | Pass | PK | 10.42243G | 60.55 | 68.20 | -7.65 | 3 | Vertical | 48 | 1.50 | - |
| 5210MHz | Pass | PK | 10.42151G | 60.64 | 68.20 | -7.56 | 3 | Horizontal | 184 | 1.50 | - |
| 802.11ac VHT80-BF_Nss1,(MCS0)_4TX | - | - | - | - | - | - | - | - | - | - | - |
| 5775MHz | Pass | AV | 5.7462G | 97.47 | Inf | -Inf | 3 | Vertical | 158 | 2.86 | - |
| 5775MHz | Pass | PK | 5.6418G | 64.16 | 68.20 | -4.04 | 3 | Vertical | 158 | 2.86 | - |
| 5775MHz | Pass | PK | 5.751G | 109.64 | Inf | -Inf | 3 | Vertical | 158 | 2.86 | - |
| 5775MHz | Pass | PK | 5.9538G | 62.72 | 68.20 | -5.48 | 3 | Vertical | 158 | 2.86 | - |
| 5775MHz | Pass | AV | 5.7462G | 99.88 | Inf | -Inf | 3 | Horizontal | 325 | 2.58 | - |
| 5775MHz | Pass | PK | 5.6454G | 64.37 | 68.20 | -3.83 | 3 | Horizontal | 325 | 2.58 | - |
| 5775MHz | Pass | PK | 5.7474G | 104.83 | Inf | -Inf | 3 | Horizontal | 325 | 2.58 | - |
| 5775MHz | Pass | PK | 5.9898G | 61.62 | 68.20 | -6.58 | 3 | Horizontal | 325 | 2.58 | - |
| 5775MHz | Pass | AV | 11.55888G | 47.20 | 54.00 | -6.80 | 3 | Vertical | 256 | 1.87 | - |
| 5775MHz | Pass | PK | 11.56356G | 59.78 | 74.00 | -14.22 | 3 | Vertical | 256 | 1.87 | - |
| 5775MHz | Pass | AV | 11.55234G | 47.27 | 54.00 | -6.73 | 3 | Horizontal | 52 | 2.13 | - |
| 5775MHz | Pass | PK | 11.5626G | 60.09 | 74.00 | -13.91 | 3 | Horizontal | 52 | 2.13 | - |

## 802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5180MHz_TX

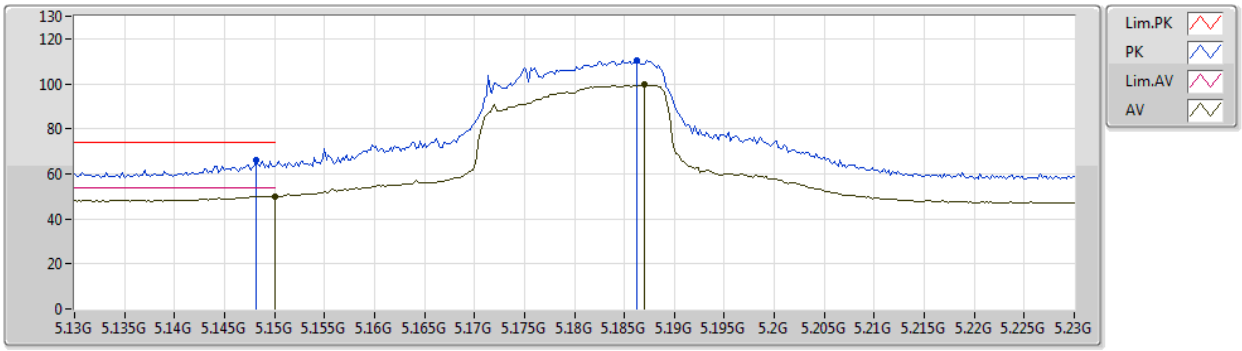



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.15G | 52.26 | 54.00 | -1.74 | 7.83 | 3 | Vertical | 167 | 1.50 | - | 44.43 | 31.80 | 10.08 | 34.05 |
| AV | 5.184G | 103.68 | Inf | -Inf | 7.69 | 3 | Vertical | 167 | 1.50 | - | 95.99 | 31.66 | 10.08 | 34.05 |
| PK | 5.1466G | 69.34 | 74.00 | -4.66 | 7.84 | 3 | Vertical | 167 | 1.50 | - | 61.50 | 31.81 | 10.08 | 34.05 |
| PK | 5.1848G | 115.47 | Inf | -Inf | 7.69 | 3 | Vertical | 167 | 1.50 | - | 107.78 | 31.66 | 10.08 | 34.05 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5180MHz_TX

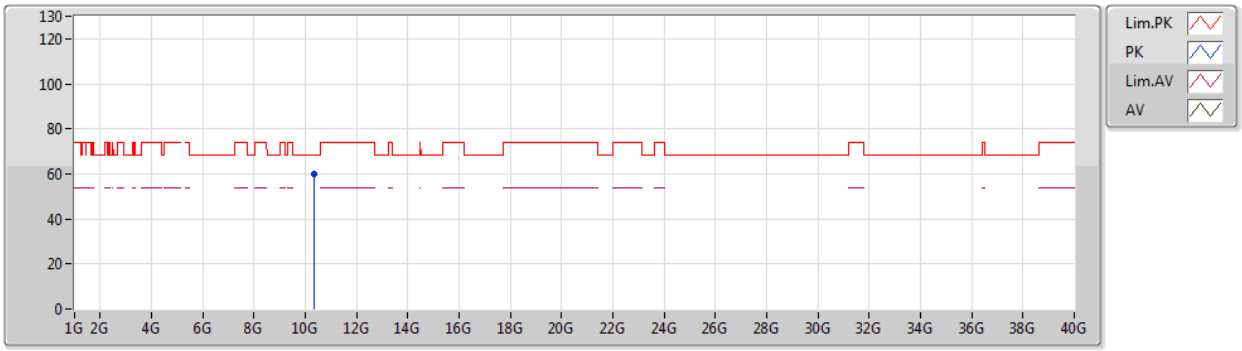



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 5.1482G | 66.33 | 74.00 | -7.67 | 7.84 | 3 | Horizontal | 15 | 2.61 | - | 58.49 | 31.81 | 10.08 | 34.05 |
| AV | 5.15G | 50.04 | 54.00 | -3.96 | 7.83 | 3 | Horizontal | 15 | 2.61 | - | 42.21 | 31.80 | 10.08 | 34.05 |
| PK | 5.1862G | 110.61 | Inf | -Inf | 7.69 | 3 | Horizontal | 15 | 2.61 | - | 102.92 | 31.66 | 10.08 | 34.05 |
| AV | 5.187G | 99.61 | Inf | -Inf | 7.68 | 3 | Horizontal | 15 | 2.61 | - | 91.93 | 31.65 | 10.08 | 34.05 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5180MHz_TX

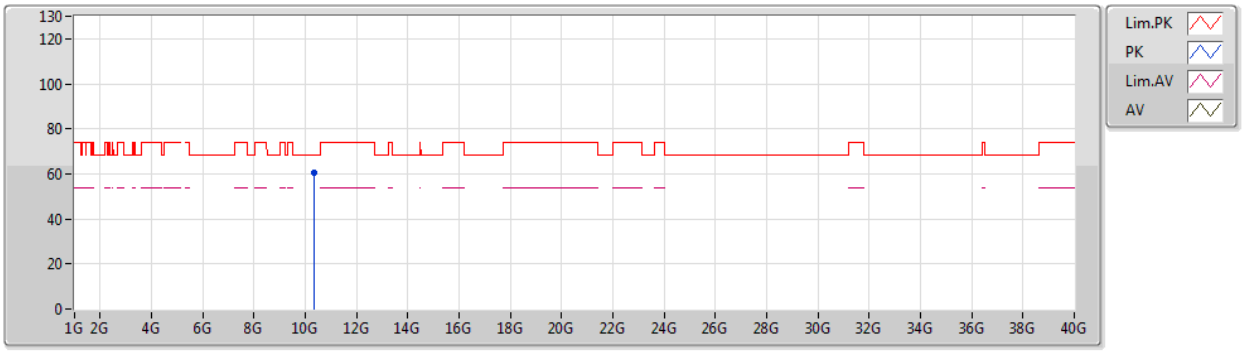



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.35857G | 60.00 | 68.20 | -8.20 | 17.79 | 3 | Vertical | 207 | 1.48 | - | 42.21 | 39.37 | 12.96 | 34.54 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5180MHz_TX

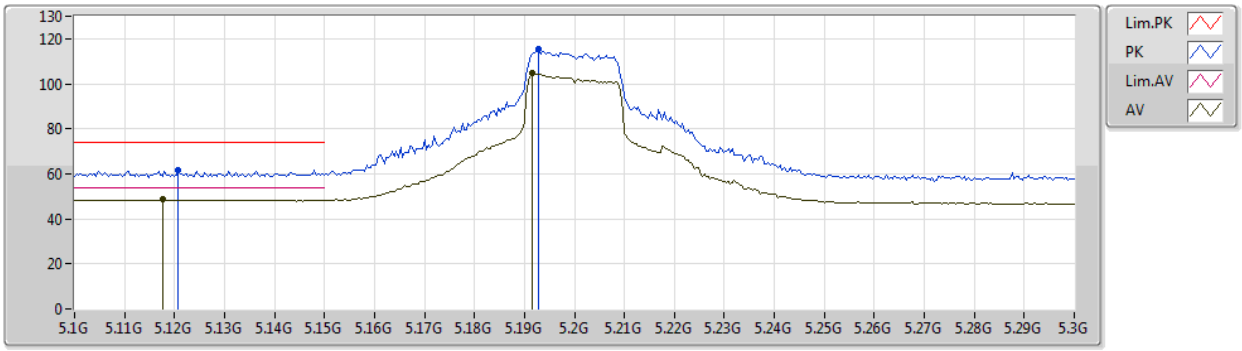



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.36098G | 60.41 | 68.20 | -7.79 | 17.80 | 3 | Horizontal | 193 | 1.50 | - | 42.61 | 39.37 | 12.97 | 34.54 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

## 5200MHz_TX

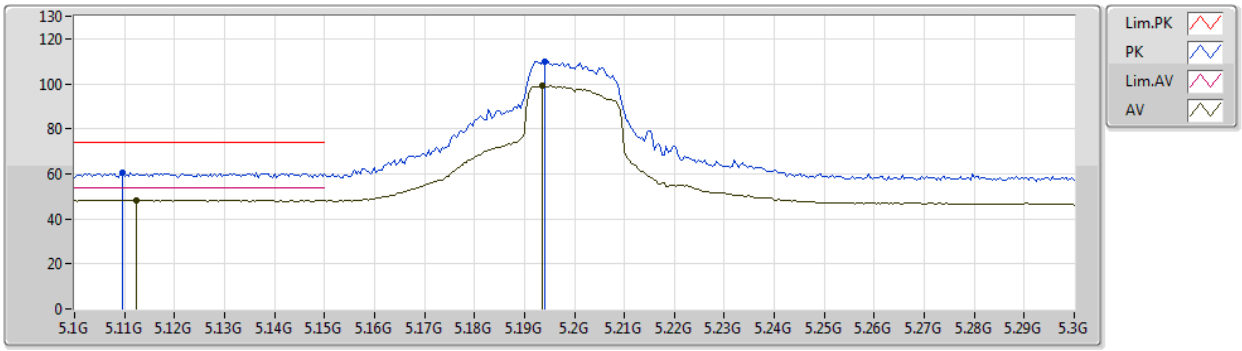



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1176G | 48.57 | 54.00 | -5.43 | 7.96 | 3 | Vertical | 163 | 1.50 | - | 40.61 | 31.93 | 10.08 | 34.05 |
| AV | 5.1916G | 104.80 | Inf | -Inf | 7.66 | 3 | Vertical | 163 | 1.50 | - | 97.14 | 31.63 | 10.08 | 34.05 |
| PK | 5.1208G | 61.53 | 74.00 | -12.47 | 7.95 | 3 | Vertical | 163 | 1.50 | - | 53.58 | 31.92 | 10.08 | 34.05 |
| PK | 5.1928G | 115.28 | Inf | -Inf | 7.66 | 3 | Vertical | 163 | 1.50 | - | 107.62 | 31.63 | 10.08 | 34.05 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

## 5200MHz_TX

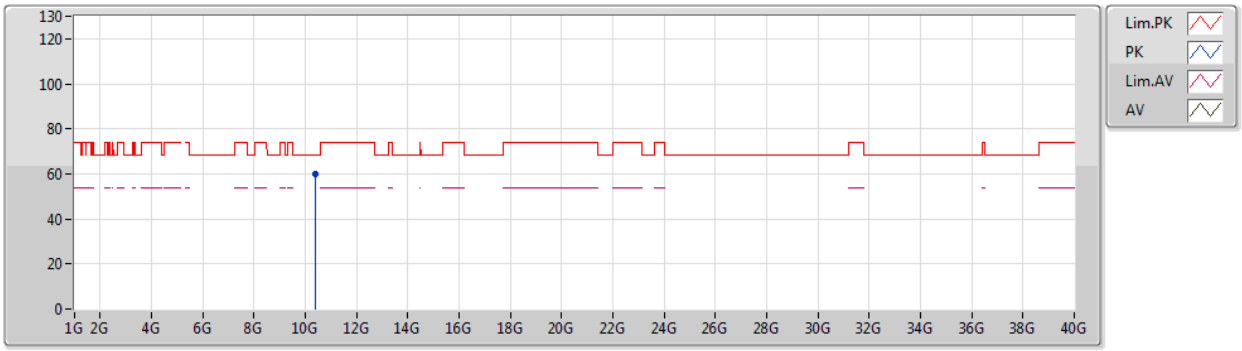



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1124G | 48.46 | 54.00 | -5.54 | 7.98 | 3 | Horizontal | 10 | 2.60 | - | 40.48 | 31.95 | 10.08 | 34.05 |
| AV | 5.1936G | 99.08 | Inf | -Inf | 7.66 | 3 | Horizontal | 10 | 2.60 | - | 91.42 | 31.63 | 10.08 | 34.05 |
| PK | 5.1096G | 60.76 | 74.00 | -13.24 | 7.99 | 3 | Horizontal | 10 | 2.60 | - | 52.77 | 31.96 | 10.08 | 34.05 |
| PK | 5.194G | 109.83 | Inf | -Inf | 7.65 | 3 | Horizontal | 10 | 2.60 | - | 102.18 | 31.62 | 10.08 | 34.05 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5200MHz_TX

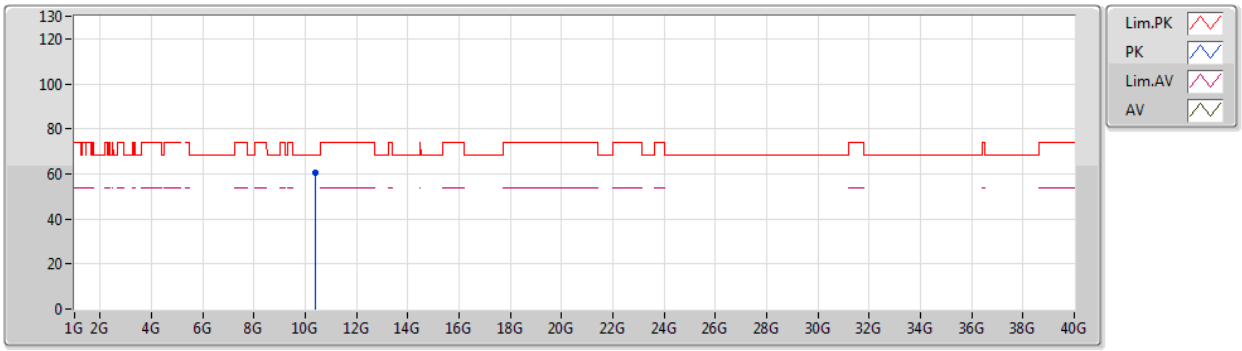



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.40199G | 60.15 | 68.20 | -8.05 | 17.89 | 3 | Vertical | 12 | 1.26 | - | 42.26 | 39.42 | 12.99 | 34.52 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5200MHz_TX

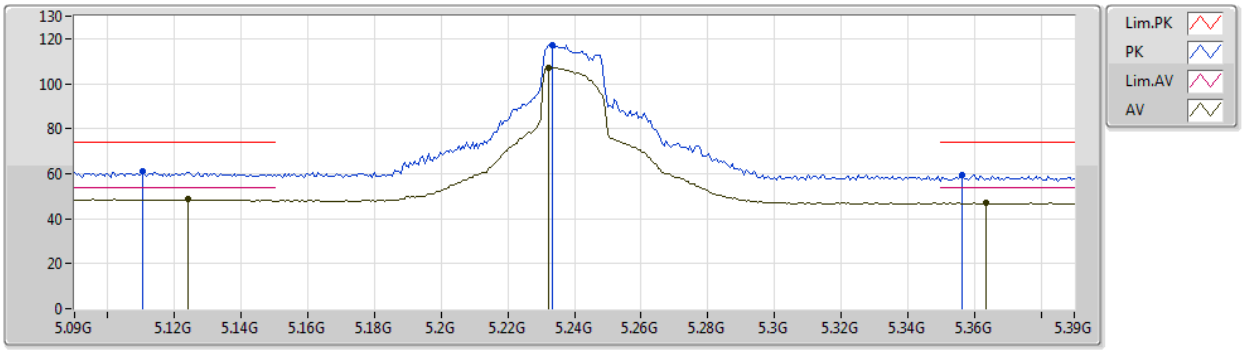



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.40009G | 60.67 | 68.20 | -7.53 | 17.89 | 3 | Horizontal | 182 | 1.45 | - | 42.78 | 39.42 | 12.99 | 34.52 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5240MHz_TX

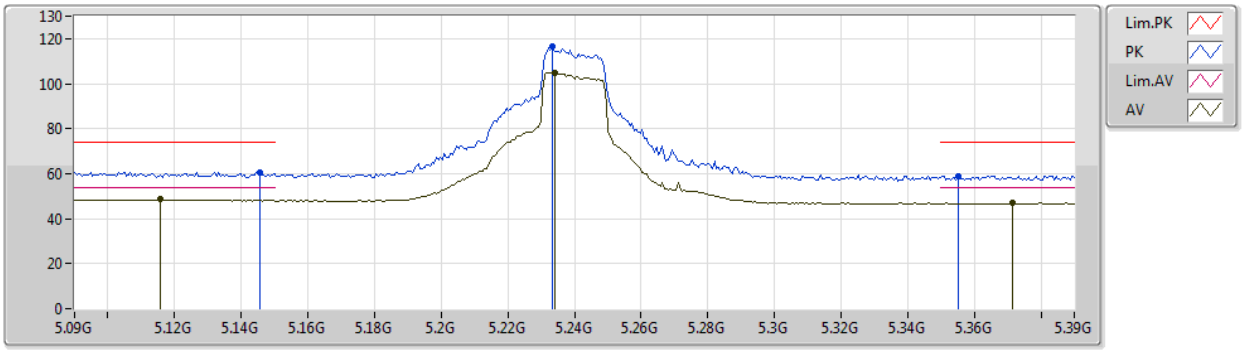



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1242G | 48.54 | 54.00 | -5.46 | 7.93 | 3 | Vertical | 332 | 1.50 | - | 40.61 | 31.90 | 10.08 | 34.05 |
| AV | 5.2322G | 107.23 | Inf | -Inf | 7.52 | 3 | Vertical | 332 | 1.50 | - | 99.71 | 31.47 | 10.10 | 34.05 |
| AV | 5.3636G | 47.01 | 54.00 | -6.99 | 7.50 | 3 | Vertical | 332 | 1.50 | - | 39.51 | 31.39 | 10.17 | 34.06 |
| PK | 5.1104G | 61.04 | 74.00 | -12.96 | 7.99 | 3 | Vertical | 332 | 1.50 | - | 53.05 | 31.96 | 10.08 | 34.05 |
| PK | 5.2334G | 117.29 | Inf | -Inf | 7.52 | 3 | Vertical | 332 | 1.50 | - | 109.77 | 31.47 | 10.10 | 34.05 |
| PK | 5.3564G | 59.53 | 74.00 | -14.47 | 7.47 | 3 | Vertical | 332 | 1.50 | - | 52.06 | 31.37 | 10.16 | 34.06 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5240MHz_TX

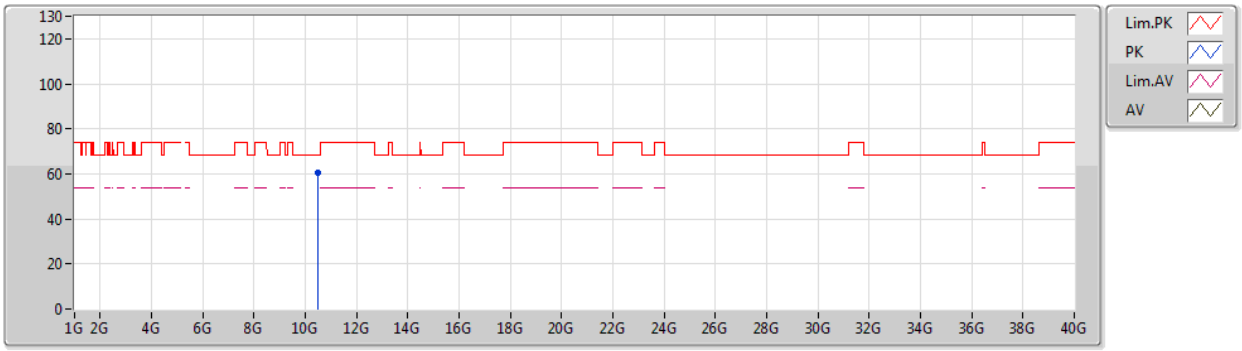



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1158G | 48.58 | 54.00 | -5.42 | 7.97 | 3 | Horizontal | 185 | 1.62 | - | 40.61 | 31.94 | 10.08 | 34.05 |
| AV | 5.234G | 104.93 | Inf | -Inf | 7.51 | 3 | Horizontal | 185 | 1.62 | - | 97.42 | 31.46 | 10.10 | 34.05 |
| AV | 5.3714G | 46.96 | 54.00 | -7.04 | 7.52 | 3 | Horizontal | 185 | 1.62 | - | 39.44 | 31.41 | 10.17 | 34.06 |
| PK | 5.1458G | 60.75 | 74.00 | -13.25 | 7.85 | 3 | Horizontal | 185 | 1.62 | - | 52.90 | 31.82 | 10.08 | 34.05 |
| PK | 5.2334G | 116.56 | Inf | -Inf | 7.52 | 3 | Horizontal | 185 | 1.62 | - | 109.04 | 31.47 | 10.10 | 34.05 |
| PK | 5.3552G | 59.08 | 74.00 | -14.92 | 7.47 | 3 | Horizontal | 185 | 1.62 | - | 51.61 | 31.37 | 10.16 | 34.06 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5240MHz_TX

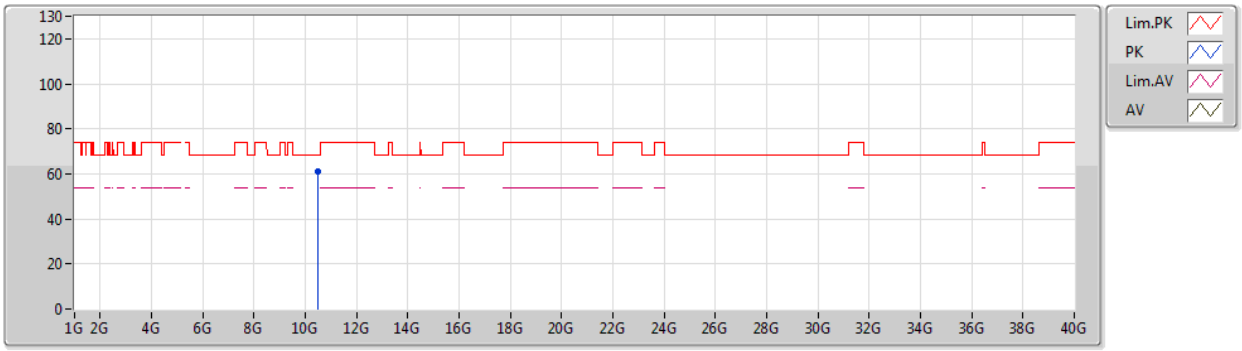



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.4818G | 60.54 | 68.20 | -7.66 | 18.09 | 3 | Vertical | 34 | 2.94 | - | 42.45 | 39.53 | 13.03 | 34.47 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5240MHz_TX

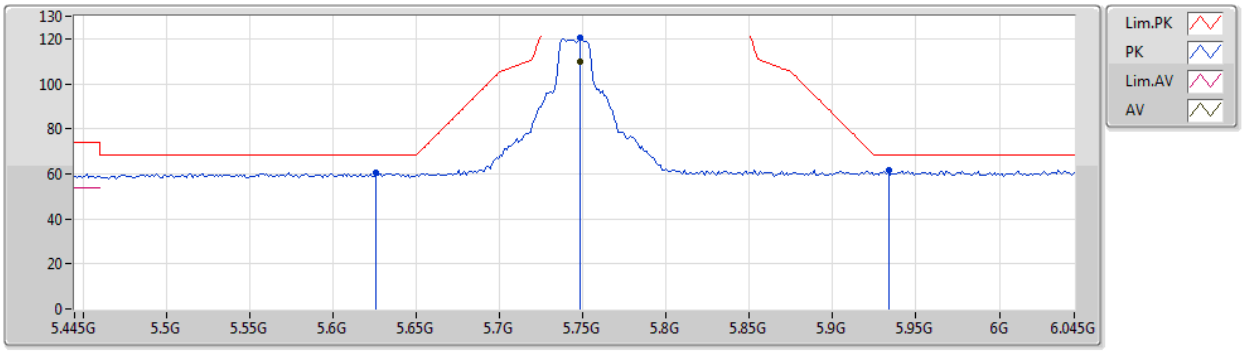



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.47955G | 61.21 | 68.20 | -6.99 | 18.08 | 3 | Horizontal | 131 | 1.50 | - | 43.13 | 39.52 | 13.03 | 34.47 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5745MHz_TX

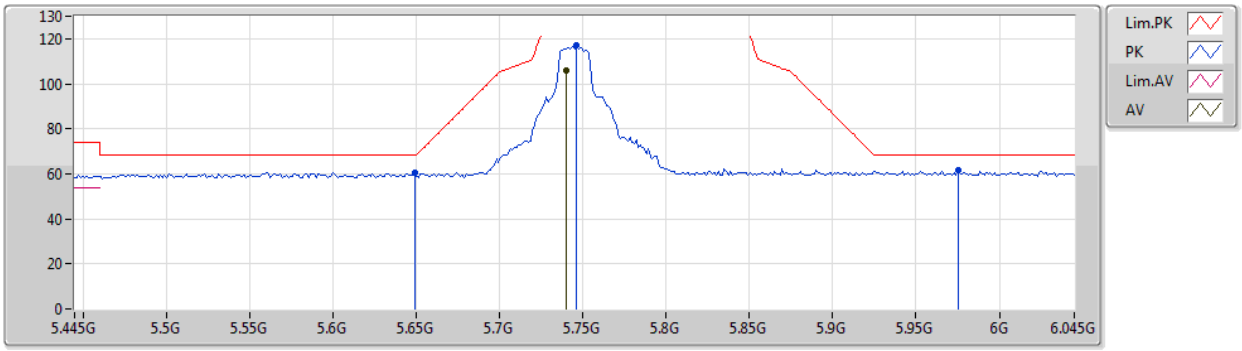



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7486G | 109.62 | Inf | -Inf | 8.30 | 3 | Vertical | 260 | 2.37 | - | 101.32 | 31.95 | 10.42 | 34.07 |
| PK | 5.6262G | 60.72 | 68.20 | -7.48 | 7.85 | 3 | Vertical | 260 | 2.37 | - | 52.87 | 31.65 | 10.27 | 34.07 |
| PK | 5.7486G | 120.68 | Inf | -Inf | 8.30 | 3 | Vertical | 260 | 2.37 | - | 112.38 | 31.95 | 10.42 | 34.07 |
| PK | 5.9334G | 61.55 | 68.20 | -6.65 | 8.87 | 3 | Vertical | 260 | 2.37 | - | 52.68 | 32.40 | 10.55 | 34.08 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX

14/09/2019

## 5745MHz_TX

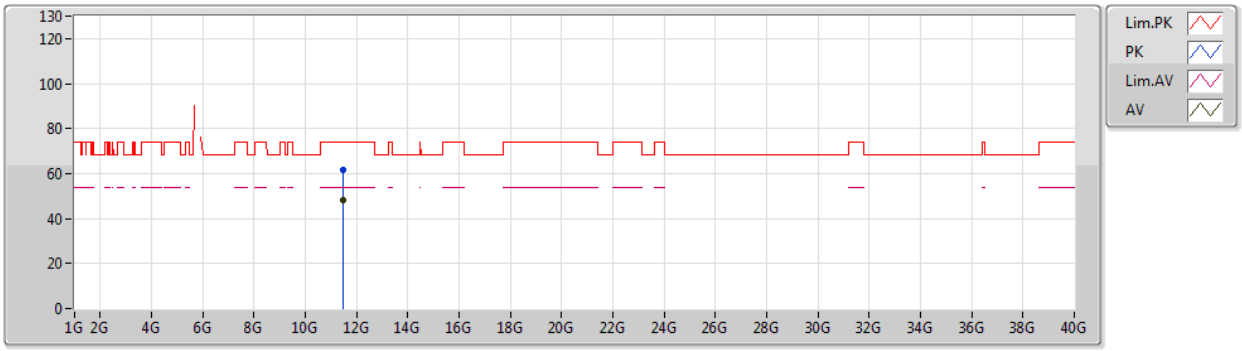



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7402G | 105.64 | Inf | -Inf | 8.26 | 3 | Horizontal | 344 | 2.26 | - | 97.38 | 31.92 | 10.41 | 34.07 |
| PK | 5.649G | 60.51 | 68.20 | -7.69 | 7.93 | 3 | Horizontal | 344 | 2.26 | - | 52.58 | 31.70 | 10.30 | 34.07 |
| PK | 5.7462G | 116.88 | Inf | -Inf | 8.29 | 3 | Horizontal | 344 | 2.26 | - | 108.59 | 31.94 | 10.42 | 34.07 |
| PK | 5.9754G | 61.53 | 68.20 | -6.67 | 8.89 | 3 | Horizontal | 344 | 2.26 | - | 52.64 | 32.40 | 10.57 | 34.08 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5745MHz_TX

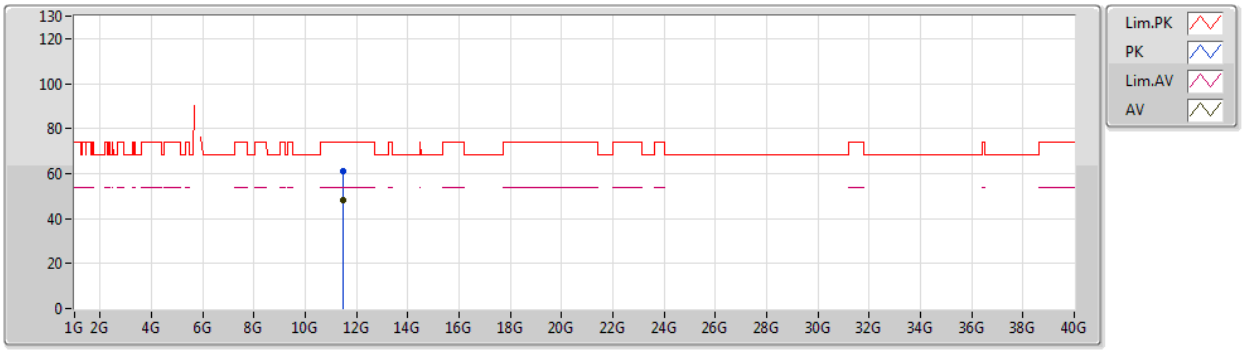



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.49249G | 48.27 | 54.00 | -5.73 | 18.99 | 3 | Vertical | 338 | 2.09 | - | 29.28 | 39.56 | 13.62 | 34.19 |
| PK | 11.49059G | 61.68 | 74.00 | -12.32 | 18.99 | 3 | Vertical | 338 | 2.09 | - | 42.69 | 39.56 | 13.62 | 34.19 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5745MHz_TX

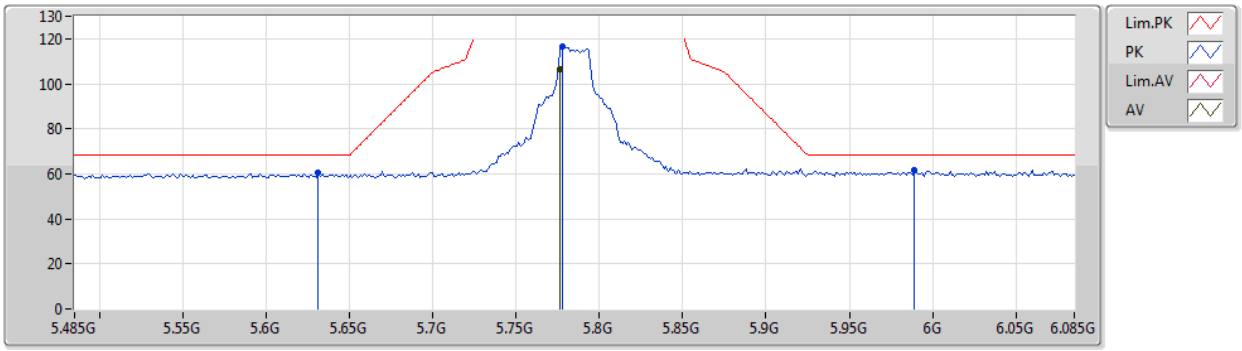



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.49132G | 48.14 | 54.00 | -5.86 | 18.99 | 3 | Horizontal | 336 | 1.50 | - | 29.15 | 39.56 | 13.62 | 34.19 |
| PK | 11.49227G | 61.27 | 74.00 | -12.73 | 18.99 | 3 | Horizontal | 336 | 1.50 | - | 42.28 | 39.56 | 13.62 | 34.19 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5785MHz_TX

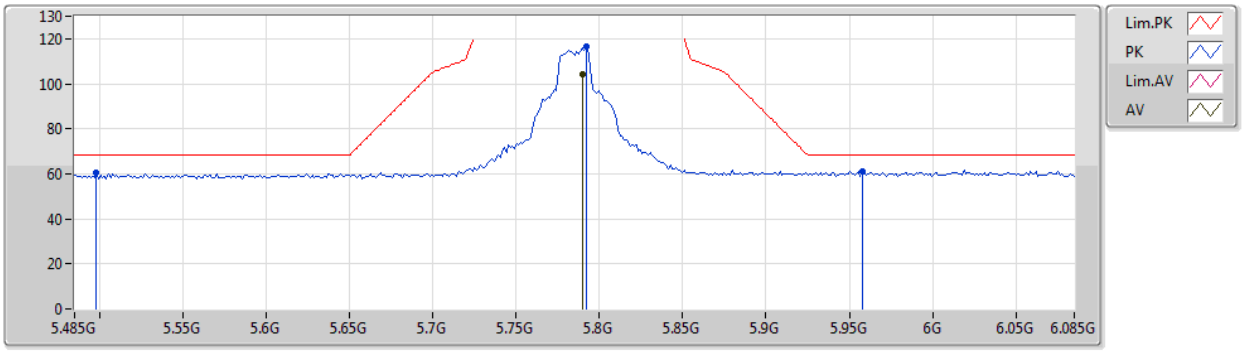



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7766G | 106.50 | Inf | -Inf | 8.41 | 3 | Vertical | 163 | 1.50 | - | 98.09 | 32.03 | 10.46 | 34.08 |
| PK | 5.6314G | 60.41 | 68.20 | -7.79 | 7.87 | 3 | Vertical | 163 | 1.50 | - | 52.54 | 31.66 | 10.28 | 34.07 |
| PK | 5.7778G | 116.64 | Inf | -Inf | 8.41 | 3 | Vertical | 163 | 1.50 | - | 108.23 | 32.03 | 10.46 | 34.08 |
| PK | 5.989G | 61.67 | 68.20 | -6.53 | 8.90 | 3 | Vertical | 163 | 1.50 | - | 52.77 | 32.40 | 10.58 | 34.08 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5785MHz_TX

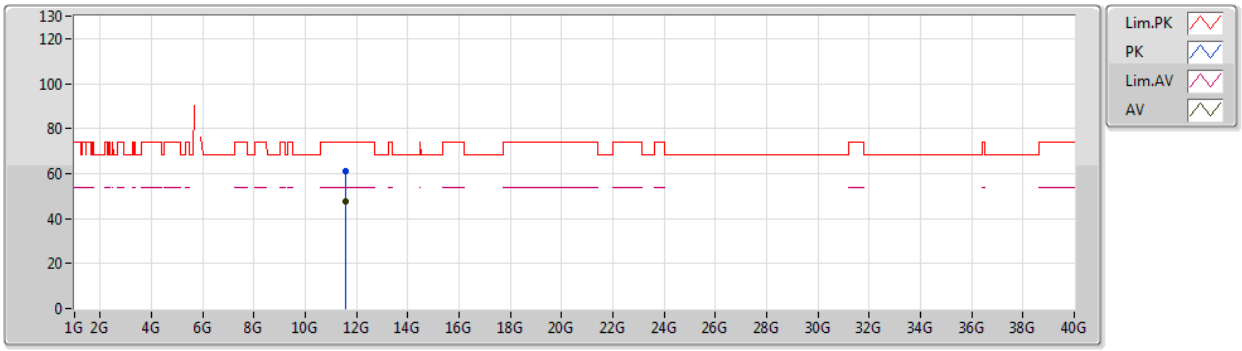



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7898G | 104.25 | Inf | -Inf | 8.46 | 3 | Horizontal | 345 | 2.70 | - | 95.79 | 32.07 | 10.47 | 34.08 |
| PK | 5.4982G | 60.41 | 68.20 | -7.79 | 7.93 | 3 | Horizontal | 345 | 2.70 | - | 52.48 | 31.79 | 10.21 | 34.07 |
| PK | 5.7922G | 116.34 | Inf | -Inf | 8.48 | 3 | Horizontal | 345 | 2.70 | - | 107.86 | 32.08 | 10.48 | 34.08 |
| PK | 5.9578G | 60.90 | 68.20 | -7.30 | 8.88 | 3 | Horizontal | 345 | 2.70 | - | 52.02 | 32.40 | 10.56 | 34.08 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5785MHz_TX

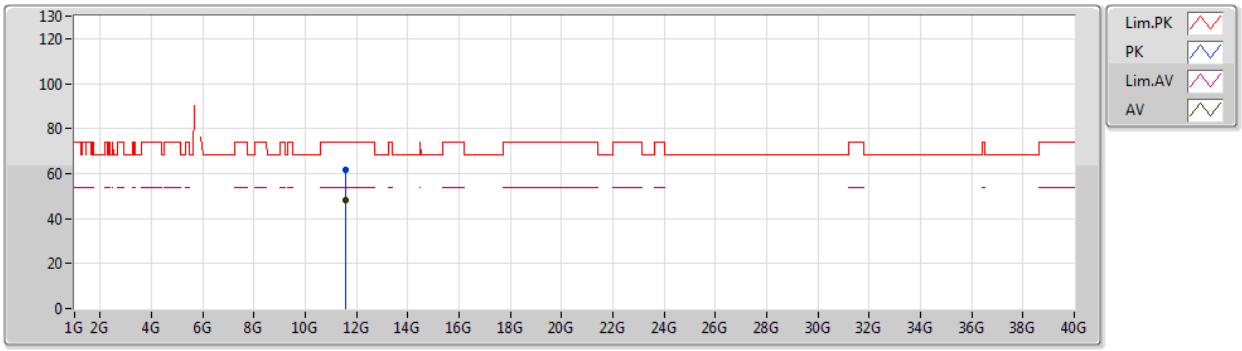



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.57242G | 47.84 | 54.00 | -6.16 | 18.94 | 3 | Vertical | 40 | 1.50 | - | 28.90 | 39.46 | 13.67 | 34.19 |
| PK | 11.57G | 61.07 | 74.00 | -12.93 | 18.94 | 3 | Vertical | 40 | 1.50 | - | 42.13 | 39.46 | 13.67 | 34.19 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX

14/09/2019

5785MHz_TX

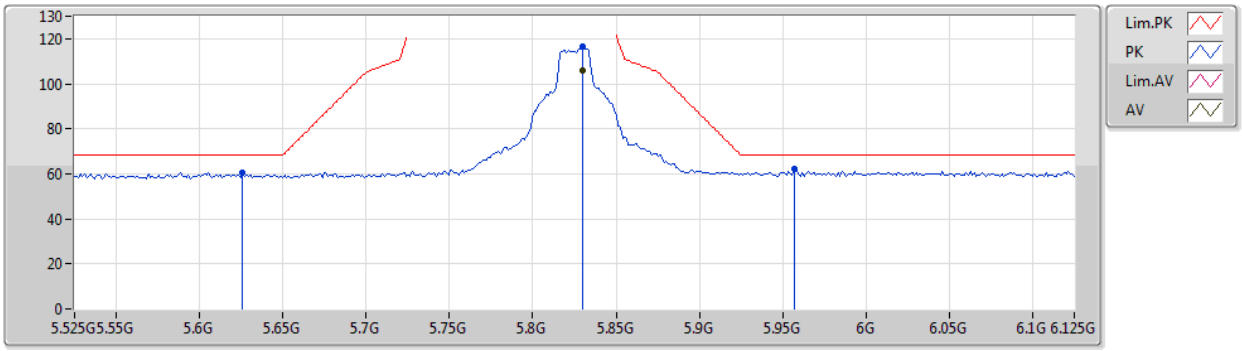



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.5716G | 48.42 | 54.00 | -5.58 | 18.94 | 3 | Horizontal | 336 | 3.00 | - | 29.48 | 39.46 | 13.67 | 34.19 |
| PK | 11.57101G | 61.38 | 74.00 | -12.62 | 18.94 | 3 | Horizontal | 336 | 3.00 | - | 42.44 | 39.46 | 13.67 | 34.19 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5825MHz_TX

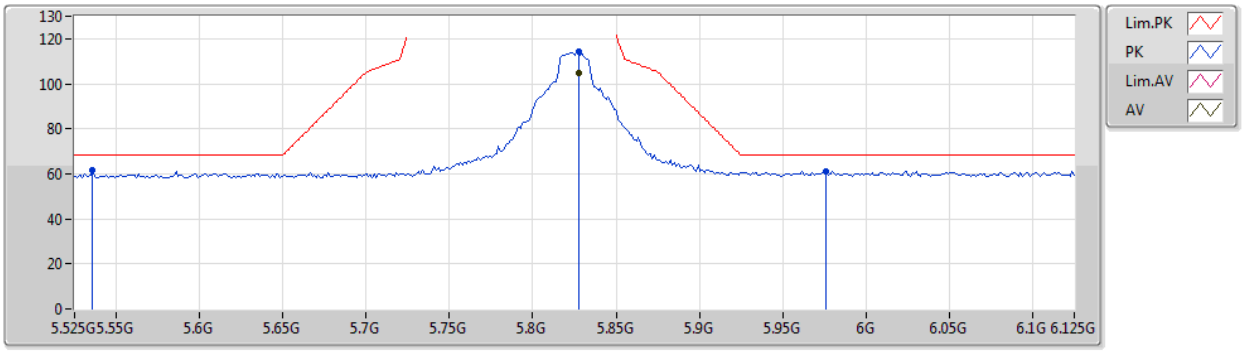



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.8298G | 105.73 | Inf | -Inf | 8.61 | 3 | Vertical | 165 | 1.50 | - | 97.12 | 32.19 | 10.50 | 34.08 |
| PK | 5.6258G | 60.66 | 68.20 | -7.54 | 7.85 | 3 | Vertical | 165 | 1.50 | - | 52.81 | 31.65 | 10.27 | 34.07 |
| PK | 5.8298G | 116.29 | Inf | -Inf | 8.61 | 3 | Vertical | 165 | 1.50 | - | 107.68 | 32.19 | 10.50 | 34.08 |
| PK | 5.957G | 62.06 | 68.20 | -6.14 | 8.88 | 3 | Vertical | 165 | 1.50 | - | 53.18 | 32.40 | 10.56 | 34.08 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5825MHz_TX

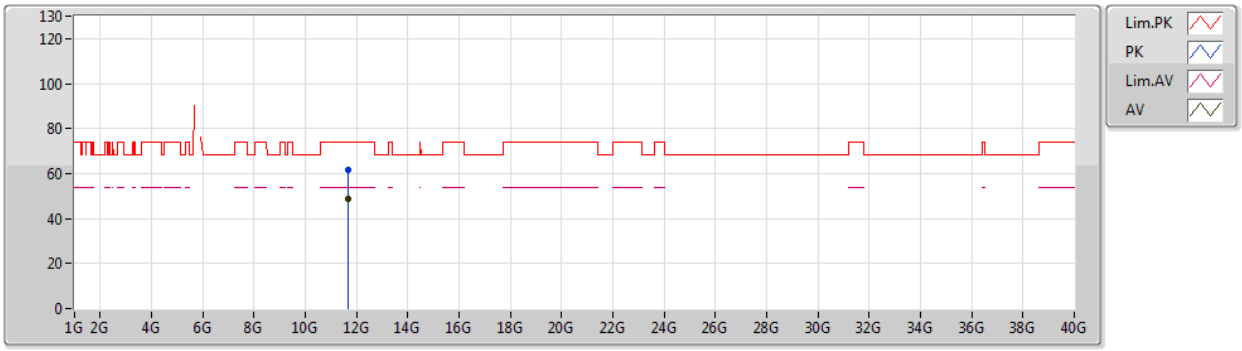



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.8274G | 104.84 | Inf | -Inf | 8.60 | 3 | Horizontal | 296 | 2.63 | - | 96.24 | 32.18 | 10.50 | 34.08 |
| PK | 5.5358G | 61.56 | 68.20 | -6.64 | 7.89 | 3 | Horizontal | 296 | 2.63 | - | 53.67 | 31.73 | 10.23 | 34.07 |
| PK | 5.8274G | 114.26 | Inf | -Inf | 8.60 | 3 | Horizontal | 296 | 2.63 | - | 105.66 | 32.18 | 10.50 | 34.08 |
| PK | 5.9762G | 61.05 | 68.20 | -7.15 | 8.89 | 3 | Horizontal | 296 | 2.63 | - | 52.16 | 32.40 | 10.57 | 34.08 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5825MHz_TX

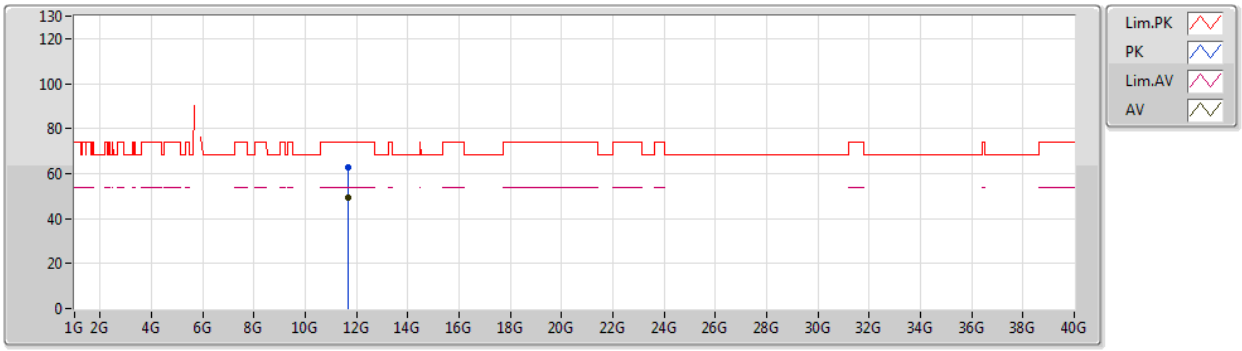



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.65239G | 48.48 | 54.00 | -5.52 | 18.86 | 3 | Vertical | 0 | 2.56 | - | 29.62 | 39.35 | 13.71 | 34.20 |
| PK | 11.65196G | 61.48 | 74.00 | -12.52 | 18.86 | 3 | Vertical | 0 | 2.56 | - | 42.62 | 39.35 | 13.71 | 34.20 |

## 802.11ac VHT20-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5825MHz_TX

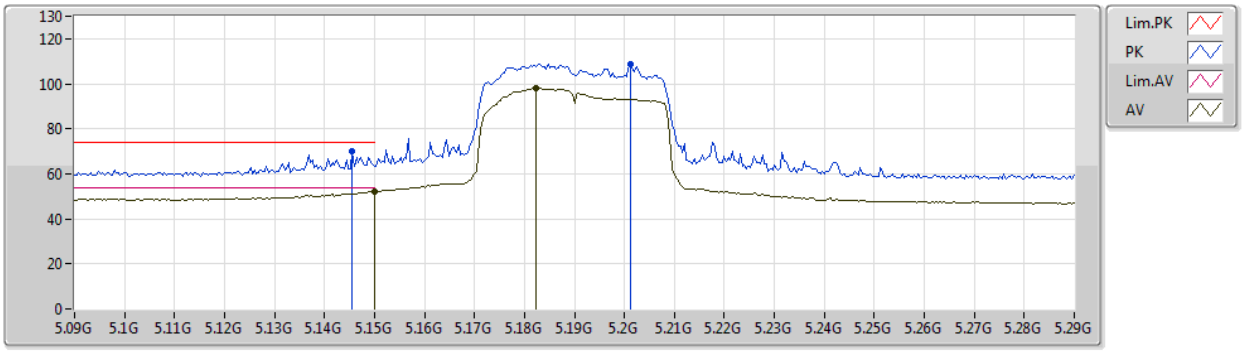



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.65221G | 49.57 | 54.00 | -4.43 | 18.86 | 3 | Horizontal | 342 | 2.84 | - | 30.71 | 39.35 | 13.71 | 34.20 |
| PK | 11.6518G | 62.62 | 74.00 | -11.38 | 18.86 | 3 | Horizontal | 342 | 2.84 | - | 43.76 | 39.35 | 13.71 | 34.20 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5190MHz_TX

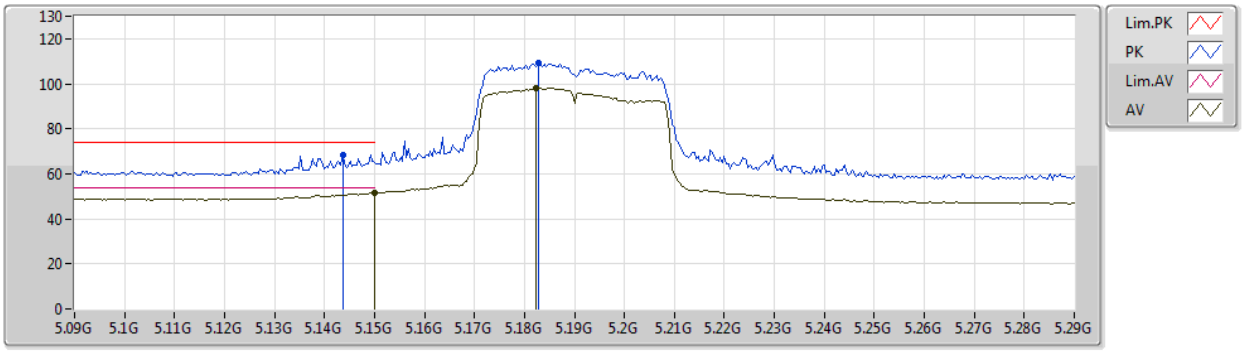



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.15G | 52.01 | 54.00 | -1.99 | 7.83 | 3 | Vertical | 164 | 1.50 | - | 44.18 | 31.80 | 10.08 | 34.05 |
| AV | 5.1824G | 97.95 | Inf | -Inf | 7.70 | 3 | Vertical | 164 | 1.50 | - | 90.25 | 31.67 | 10.08 | 34.05 |
| PK | 5.1456G | 70.04 | 74.00 | -3.96 | 7.85 | 3 | Vertical | 164 | 1.50 | - | 62.19 | 31.82 | 10.08 | 34.05 |
| PK | 5.2012G | 108.65 | Inf | -Inf | 7.63 | 3 | Vertical | 164 | 1.50 | - | 101.02 | 31.60 | 10.08 | 34.05 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5190MHz_TX

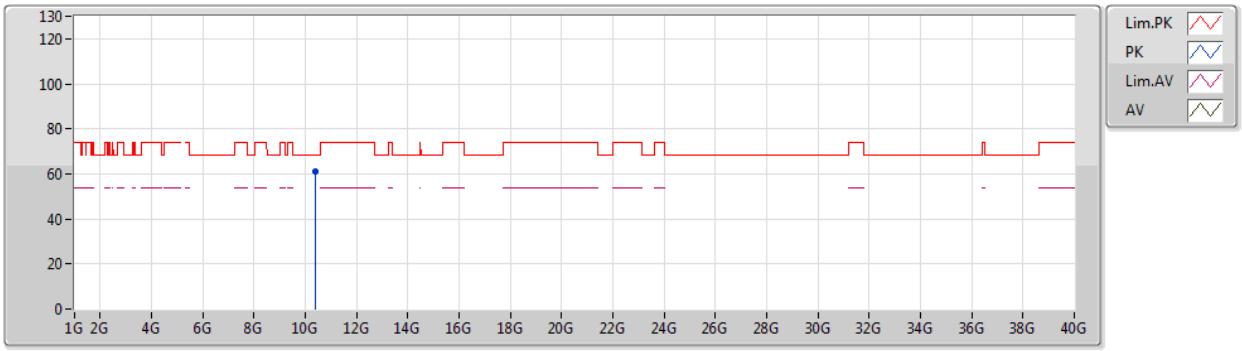



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.15G | 51.62 | 54.00 | -2.38 | 7.83 | 3 | Horizontal | 197 | 2.63 | - | 43.79 | 31.80 | 10.08 | 34.05 |
| AV | 5.1824G | 98.15 | Inf | -Inf | 7.70 | 3 | Horizontal | 197 | 2.63 | - | 90.45 | 31.67 | 10.08 | 34.05 |
| PK | 5.1436G | 68.63 | 74.00 | -5.37 | 7.86 | 3 | Horizontal | 197 | 2.63 | - | 60.77 | 31.83 | 10.08 | 34.05 |
| PK | 5.1828G | 109.05 | Inf | -Inf | 7.70 | 3 | Horizontal | 197 | 2.63 | - | 101.35 | 31.67 | 10.08 | 34.05 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5190MHz_TX

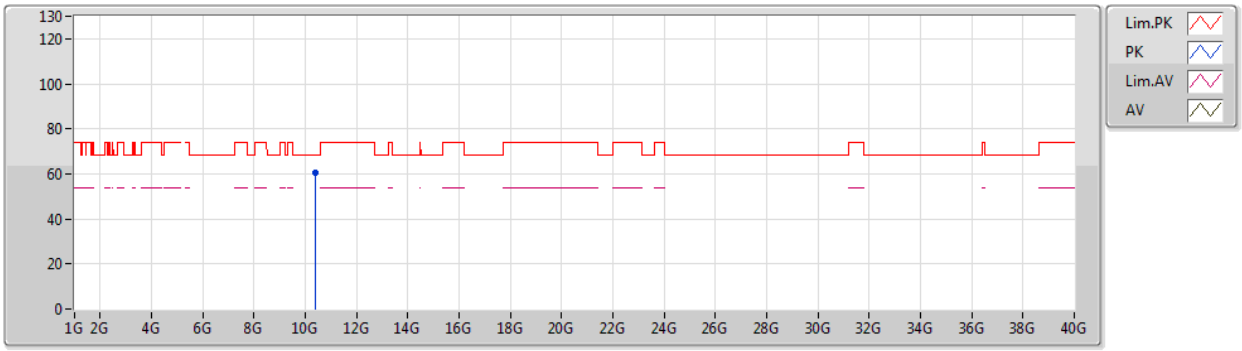



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.38103G | 60.90 | 68.20 | -7.30 | 17.85 | 3 | Vertical | 0 | 1.83 | - | 43.05 | 39.40 | 12.98 | 34.53 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

## 5190MHz_TX

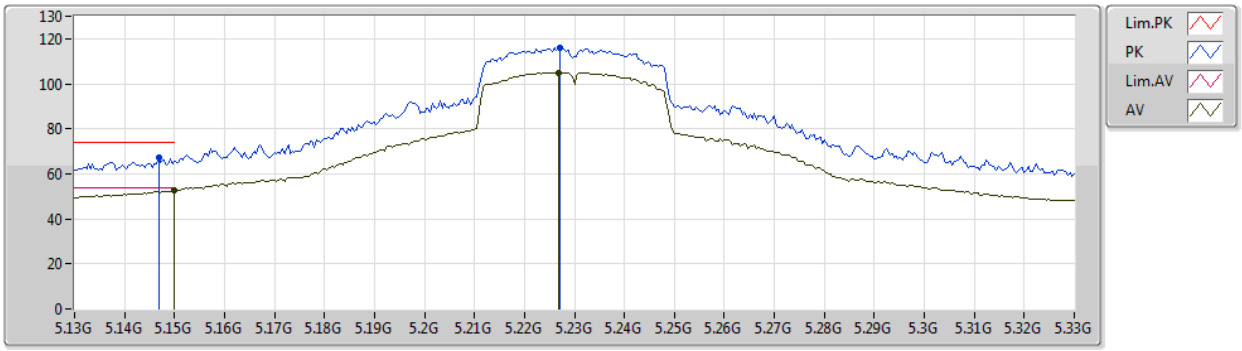



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.38239G | 60.72 | 68.20 | -7.48 | 17.85 | 3 | Horizontal | 92 | 1.50 | - | 42.87 | 39.40 | 12.98 | 34.53 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5230MHz_TX

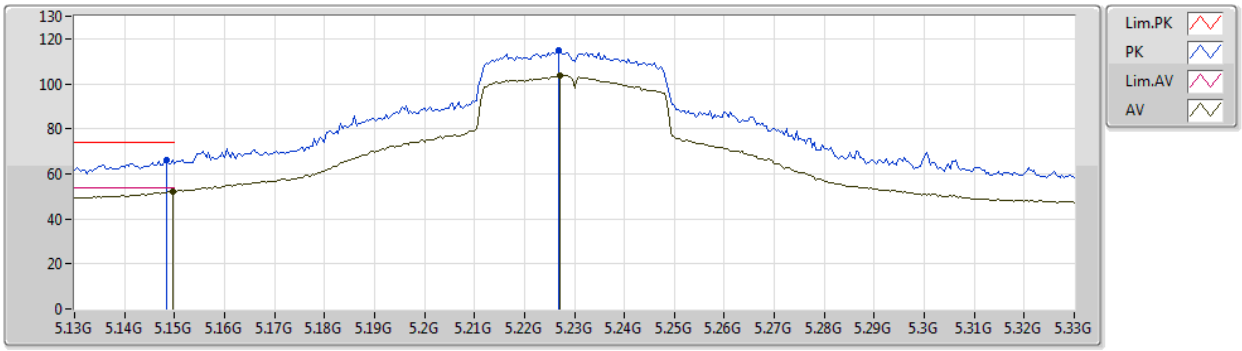



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.15G | 52.64 | 54.00 | -1.36 | 7.83 | 3 | Vertical | 331 | 1.50 | - | 44.81 | 31.80 | 10.08 | 34.05 |
| AV | 5.2268G | 104.98 | Inf | -Inf | 7.53 | 3 | Vertical | 331 | 1.50 | - | 97.45 | 31.49 | 10.09 | 34.05 |
| PK | 5.1468G | 67.09 | 74.00 | -6.91 | 7.84 | 3 | Vertical | 331 | 1.50 | - | 59.25 | 31.81 | 10.08 | 34.05 |
| PK | 5.2272G | 115.92 | Inf | -Inf | 7.53 | 3 | Vertical | 331 | 1.50 | - | 108.39 | 31.49 | 10.09 | 34.05 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5230MHz_TX

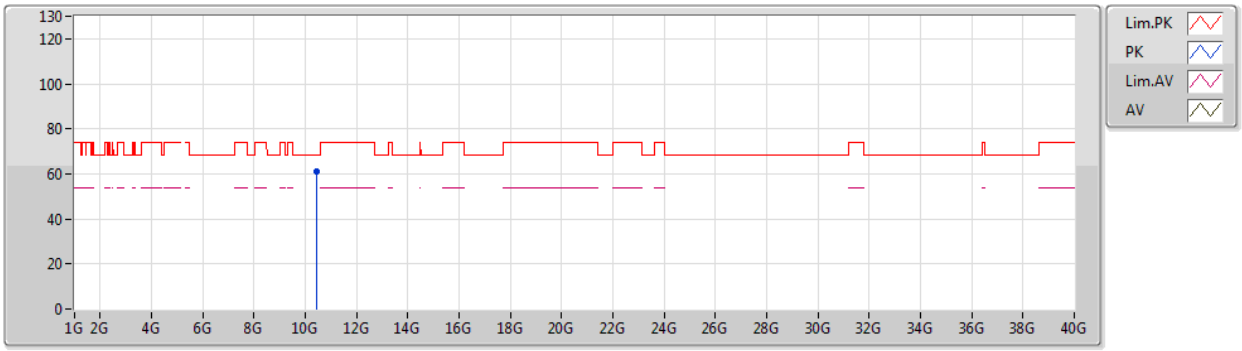



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1496G | 52.13 | 54.00 | -1.87 | 7.83 | 3 | Horizontal | 184 | 1.62 | - | 44.30 | 31.80 | 10.08 | 34.05 |
| AV | 5.2272G | 103.84 | Inf | -Inf | 7.53 | 3 | Horizontal | 184 | 1.62 | - | 96.31 | 31.49 | 10.09 | 34.05 |
| PK | 5.1484G | 66.01 | 74.00 | -7.99 | 7.84 | 3 | Horizontal | 184 | 1.62 | - | 58.17 | 31.81 | 10.08 | 34.05 |
| PK | 5.2268G | 114.82 | Inf | -Inf | 7.53 | 3 | Horizontal | 184 | 1.62 | - | 107.29 | 31.49 | 10.09 | 34.05 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5230MHz_TX

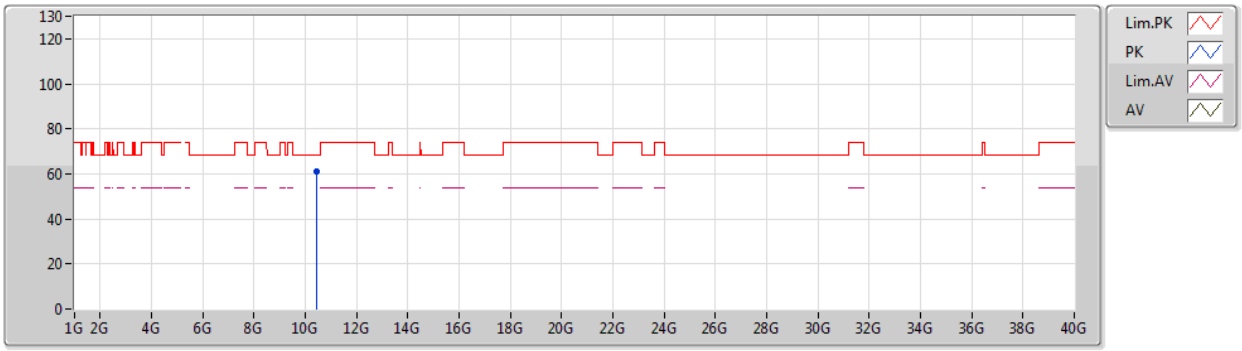



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.4546G | 60.80 | 68.20 | -7.40 | 18.02 | 3 | Vertical | 40 | 1.50 | - | 42.78 | 39.49 | 13.02 | 34.49 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5230MHz_TX

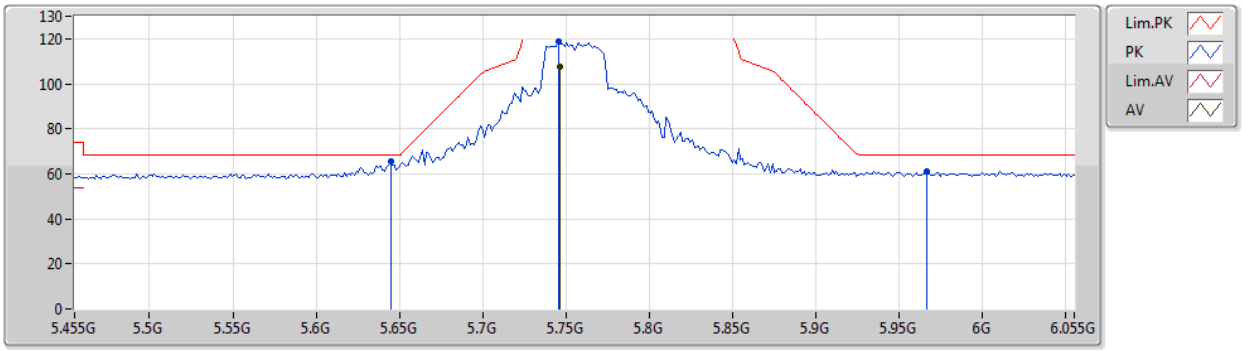



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.46233G | 61.10 | 68.20 | -7.10 | 18.04 | 3 | Horizontal | 135 | 2.39 | - | 43.06 | 39.50 | 13.02 | 34.48 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5755MHz_TX

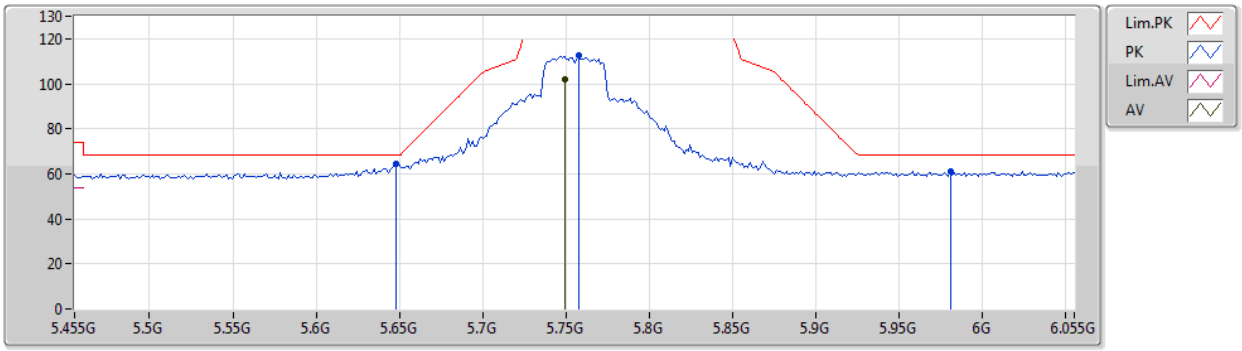



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7466G | 107.49 | Inf | -Inf | 8.29 | 3 | Vertical | 266 | 2.39 | - | 99.20 | 31.94 | 10.42 | 34.07 |
| PK | 5.6446G | 65.32 | 68.20 | -2.88 | 7.92 | 3 | Vertical | 266 | 2.39 | - | 57.40 | 31.69 | 10.30 | 34.07 |
| PK | 5.7454G | 118.70 | Inf | -Inf | 8.29 | 3 | Vertical | 266 | 2.39 | - | 110.41 | 31.94 | 10.42 | 34.07 |
| PK | 5.9662G | 61.28 | 68.20 | -6.92 | 8.89 | 3 | Vertical | 266 | 2.39 | - | 52.39 | 32.40 | 10.57 | 34.08 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5755MHz_TX

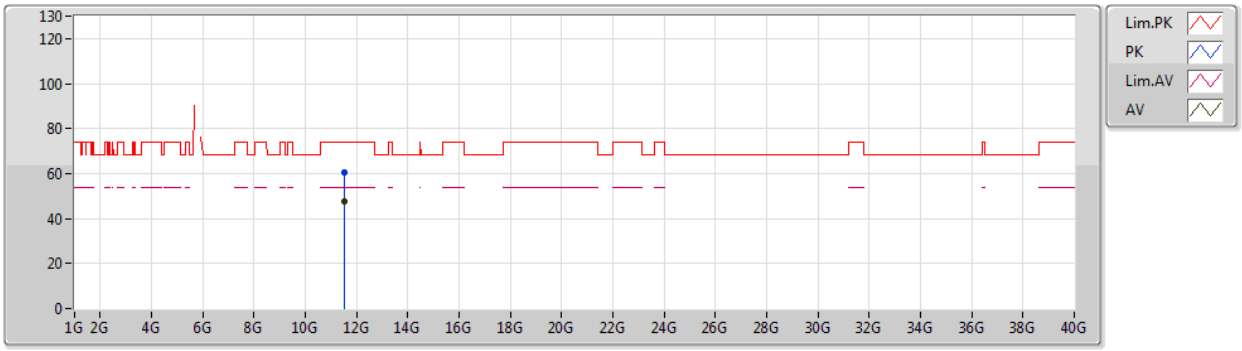



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.749G | 101.75 | Inf | -Inf | 8.30 | 3 | Horizontal | 349 | 2.97 | - | 93.45 | 31.95 | 10.42 | 34.07 |
| PK | 5.6482G | 64.40 | 68.20 | -3.80 | 7.93 | 3 | Horizontal | 349 | 2.97 | - | 56.47 | 31.70 | 10.30 | 34.07 |
| PK | 5.7574G | 112.87 | Inf | -Inf | 8.33 | 3 | Horizontal | 349 | 2.97 | - | 104.54 | 31.97 | 10.44 | 34.08 |
| PK | 5.9806G | 60.90 | 68.20 | -7.30 | 8.89 | 3 | Horizontal | 349 | 2.97 | - | 52.01 | 32.40 | 10.57 | 34.08 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5755MHz_TX

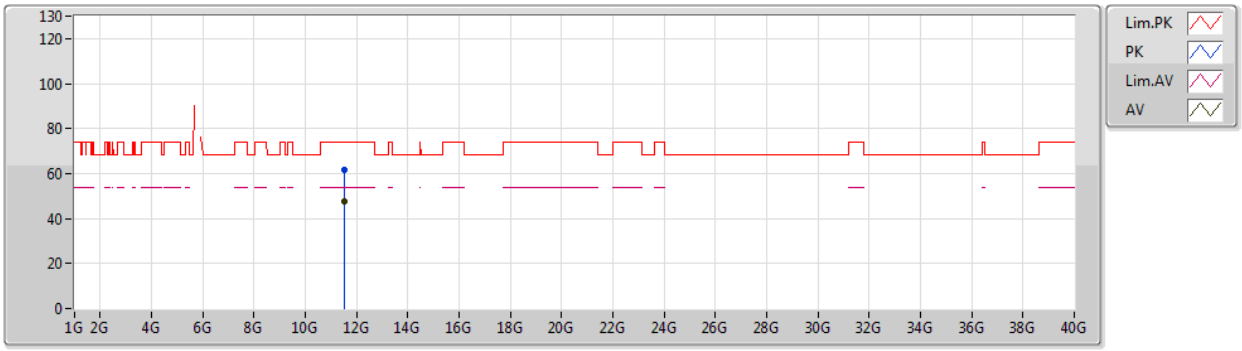



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.51178G | 47.58 | 54.00 | -6.42 | 18.97 | 3 | Vertical | 335 | 2.96 | - | 28.61 | 39.53 | 13.63 | 34.19 |
| PK | 11.50867G | 60.35 | 74.00 | -13.65 | 18.98 | 3 | Vertical | 335 | 2.96 | - | 41.37 | 39.54 | 13.63 | 34.19 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5755MHz_TX

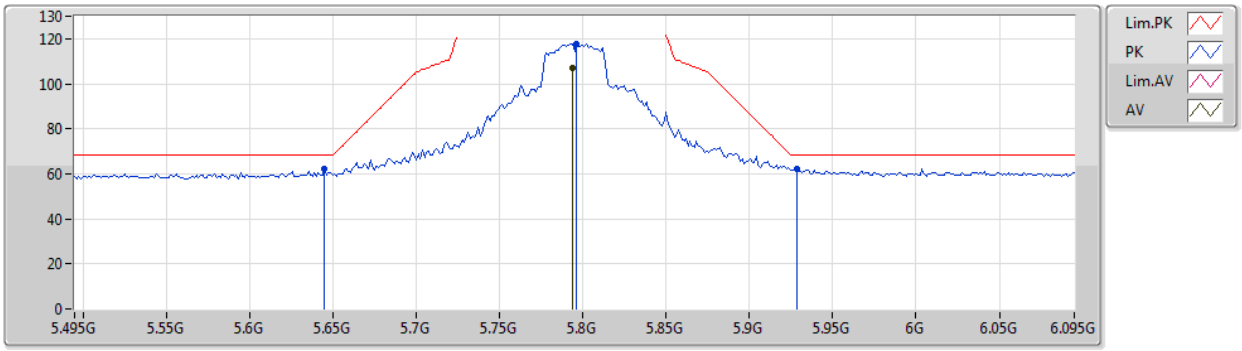



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.5125G | 47.67 | 54.00 | -6.33 | 18.97 | 3 | Horizontal | 349 | 1.44 | - | 28.70 | 39.53 | 13.63 | 34.19 |
| PK | 11.50769G | 61.52 | 74.00 | -12.48 | 18.98 | 3 | Horizontal | 349 | 1.44 | - | 42.54 | 39.54 | 13.63 | 34.19 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5795MHz_TX

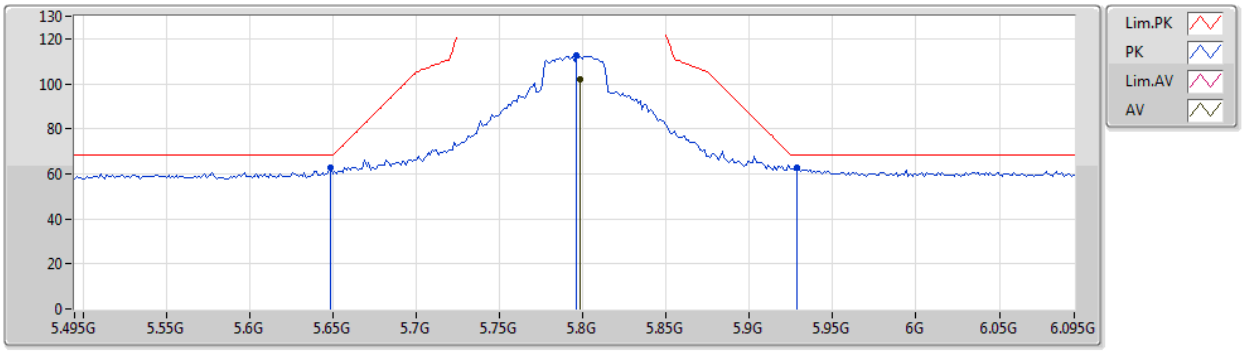



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7938G | 107.15 | Inf | -Inf | 8.48 | 3 | Vertical | 251 | 2.22 | - | 98.67 | 32.08 | 10.48 | 34.08 |
| PK | 5.645G | 61.94 | 68.20 | -6.26 | 7.92 | 3 | Vertical | 251 | 2.22 | - | 54.02 | 31.69 | 10.30 | 34.07 |
| PK | 5.7962G | 117.86 | Inf | -Inf | 8.49 | 3 | Vertical | 251 | 2.22 | - | 109.37 | 32.09 | 10.48 | 34.08 |
| PK | 5.9282G | 62.10 | 68.20 | -6.10 | 8.87 | 3 | Vertical | 251 | 2.22 | - | 53.23 | 32.40 | 10.55 | 34.08 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5795MHz_TX

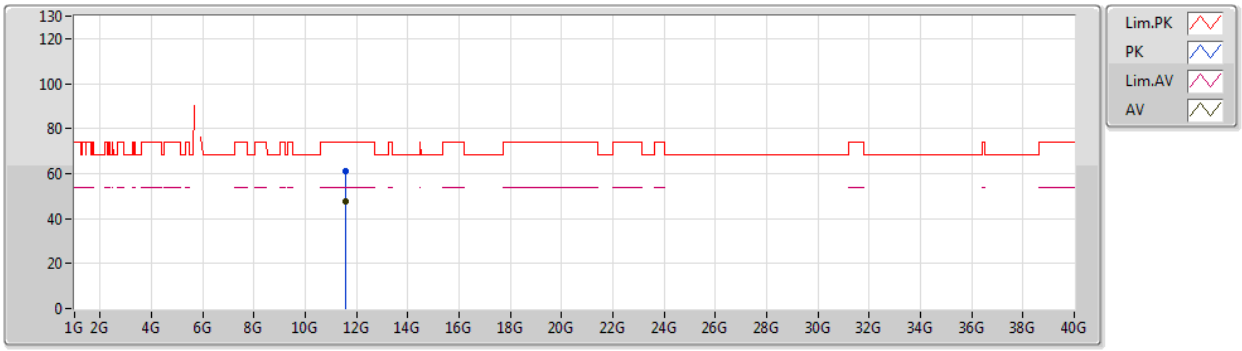



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7986G | 102.14 | Inf | -Inf | 8.51 | 3 | Horizontal | 346 | 2.78 | - | 93.63 | 32.10 | 10.49 | 34.08 |
| PK | 5.6486G | 62.55 | 68.20 | -5.65 | 7.93 | 3 | Horizontal | 346 | 2.78 | - | 54.62 | 31.70 | 10.30 | 34.07 |
| PK | 5.7962G | 112.85 | Inf | -Inf | 8.49 | 3 | Horizontal | 346 | 2.78 | - | 104.36 | 32.09 | 10.48 | 34.08 |
| PK | 5.9282G | 62.60 | 68.20 | -5.60 | 8.87 | 3 | Horizontal | 346 | 2.78 | - | 53.73 | 32.40 | 10.55 | 34.08 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5795MHz_TX

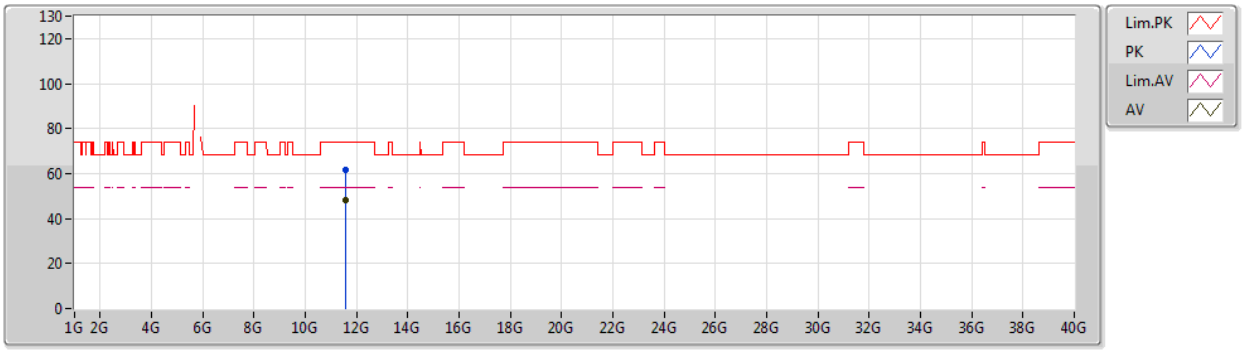



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.58991G | 47.66 | 54.00 | -6.34 | 18.91 | 3 | Vertical | 182 | 2.63 | - | 28.75 | 39.43 | 13.68 | 34.20 |
| PK | 11.59011G | 61.01 | 74.00 | -12.99 | 18.91 | 3 | Vertical | 182 | 2.63 | - | 42.10 | 39.43 | 13.68 | 34.20 |

## 802.11ac VHT40-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5795MHz_TX

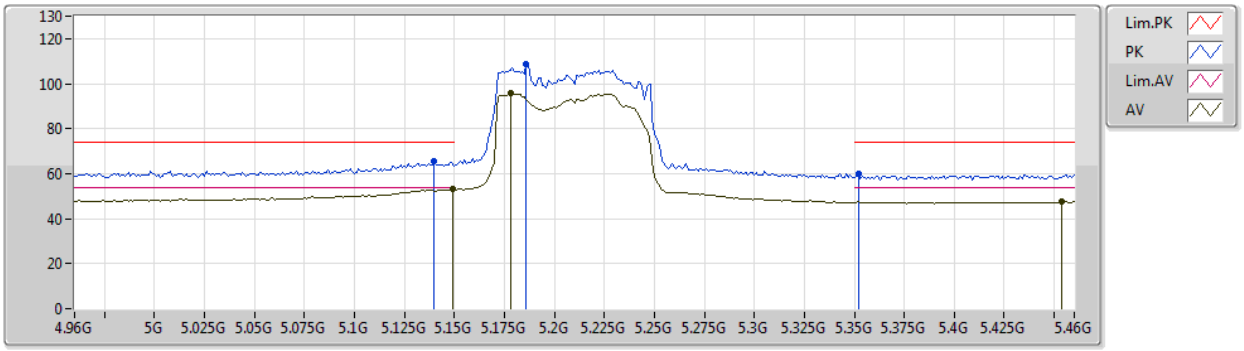



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.59157G | 47.98 | 54.00 | -6.02 | 18.91 | 3 | Horizontal | 323 | 1.93 | - | 29.07 | 39.43 | 13.68 | 34.20 |
| PK | 11.59112G | 61.79 | 74.00 | -12.21 | 18.91 | 3 | Horizontal | 323 | 1.93 | - | 42.88 | 39.43 | 13.68 | 34.20 |

## 802.11ac VHT80-BF_Nss1,(MCS0)_2TX

14/09/2019

## 5210MHz_TX

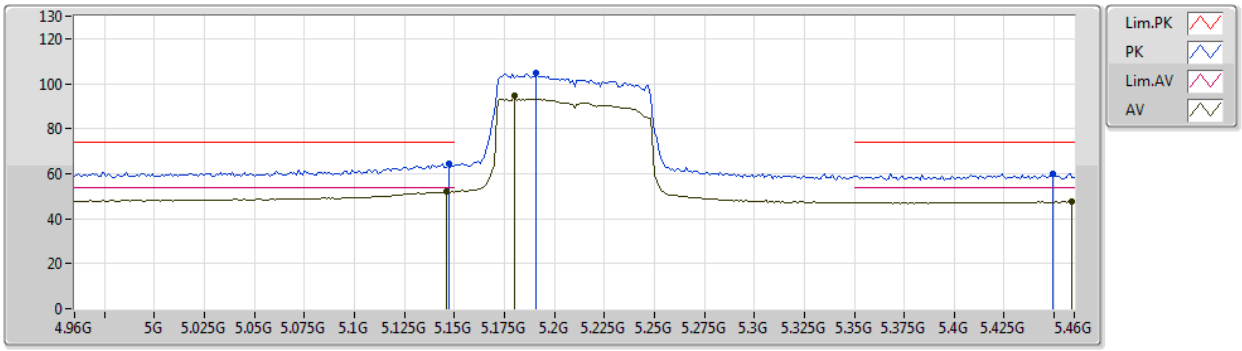



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.149G | 53.06 | 54.00 | -0.94 | 7.83 | 3 | Vertical | 341 | 1.49 | - | 45.23 | 31.80 | 10.08 | 34.05 |
| AV | 5.178G | 95.61 | Inf | -Inf | 7.72 | 3 | Vertical | 341 | 1.49 | - | 87.89 | 31.69 | 10.08 | 34.05 |
| AV | 5.454G | 47.70 | 54.00 | -6.30 | 7.79 | 3 | Vertical | 341 | 1.49 | - | 39.91 | 31.66 | 10.20 | 34.07 |
| PK | 5.14G | 65.33 | 74.00 | -8.67 | 7.87 | 3 | Vertical | 341 | 1.49 | - | 57.46 | 31.84 | 10.08 | 34.05 |
| PK | 5.186G | 108.67 | Inf | -Inf | 7.69 | 3 | Vertical | 341 | 1.49 | - | 100.98 | 31.66 | 10.08 | 34.05 |
| PK | 5.352G | 59.73 | 74.00 | -14.27 | 7.46 | 3 | Vertical | 341 | 1.49 | - | 52.27 | 31.36 | 10.16 | 34.06 |

## 802.11ac VHT80-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5210MHz_TX

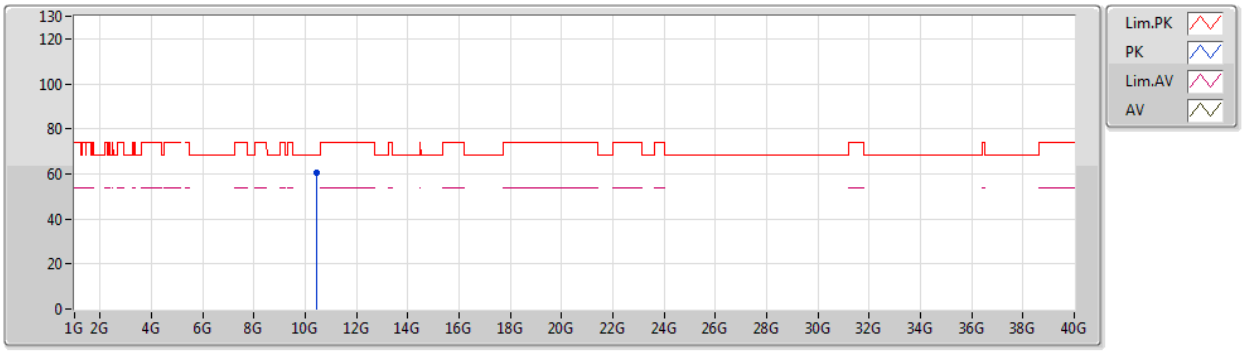



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.146G | 52.12 | 54.00 | -1.88 | 7.85 | 3 | Horizontal | 176 | 1.49 | - | 44.27 | 31.82 | 10.08 | 34.05 |
| AV | 5.18G | 94.66 | Inf | -Inf | 7.71 | 3 | Horizontal | 176 | 1.49 | - | 86.95 | 31.68 | 10.08 | 34.05 |
| AV | 5.459G | 47.59 | 54.00 | -6.41 | 7.81 | 3 | Horizontal | 176 | 1.49 | - | 39.78 | 31.68 | 10.20 | 34.07 |
| PK | 5.147G | 64.36 | 74.00 | -9.64 | 7.84 | 3 | Horizontal | 176 | 1.49 | - | 56.52 | 31.81 | 10.08 | 34.05 |
| PK | 5.191G | 104.56 | Inf | -Inf | 7.67 | 3 | Horizontal | 176 | 1.49 | - | 96.89 | 31.64 | 10.08 | 34.05 |
| PK | 5.449G | 59.93 | 74.00 | -14.07 | 7.79 | 3 | Horizontal | 176 | 1.49 | - | 52.14 | 31.65 | 10.20 | 34.06 |

## 802.11ac VHT80-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5210MHz_TX

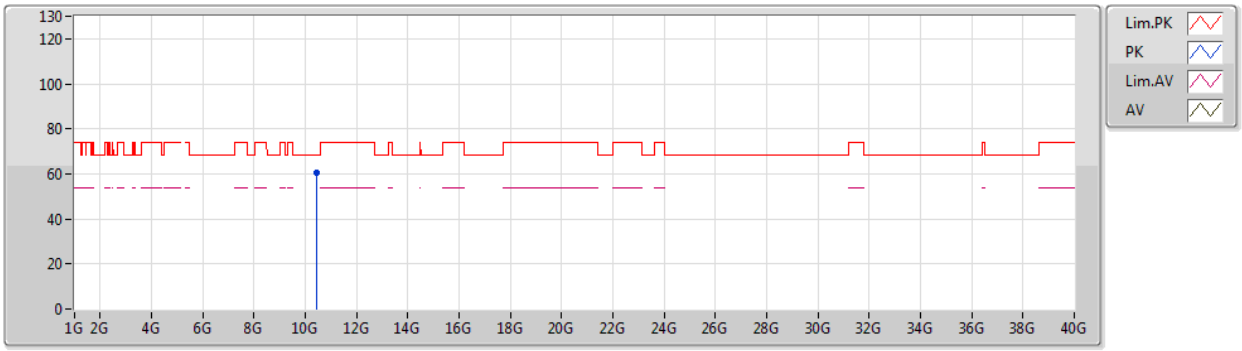



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.42243G | 60.55 | 68.20 | -7.65 | 17.94 | 3 | Vertical | 48 | 1.50 | - | 42.61 | 39.45 | 13.00 | 34.51 |

## 802.11ac VHT80-BF_Nss1,(MCS0)_2TX

14/09/2019

### 5210MHz_TX

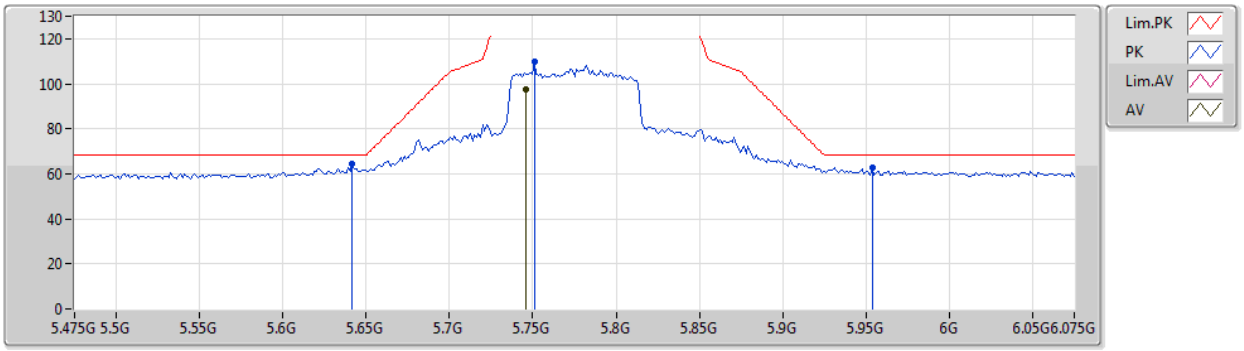



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.42151G | 60.64 | 68.20 | -7.56 | 17.94 | 3 | Horizontal | 184 | 1.50 | - | 42.70 | 39.45 | 13.00 | 34.51 |

## 802.11ac VHT80-BF_Nss1,(MCS0)_4TX

## 5775MHz_TX

14/09/2019

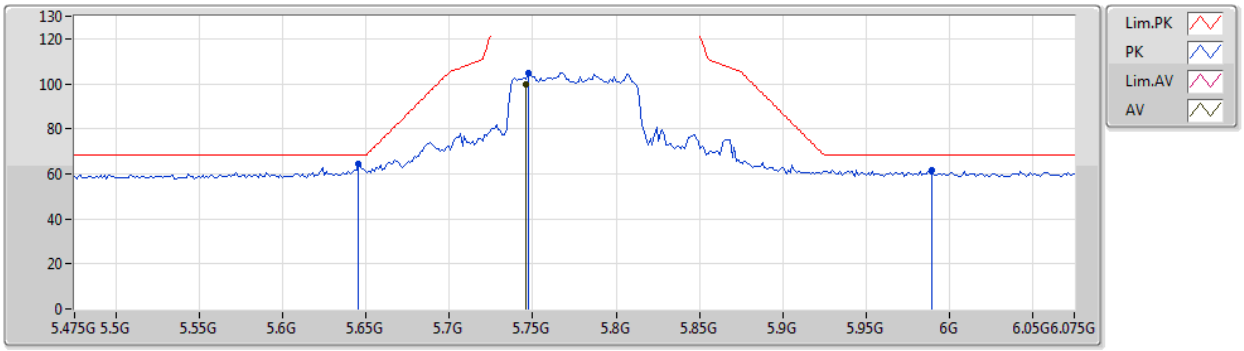



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7462G | 97.47 | Inf | -Inf | 8.29 | 3 | Vertical | 158 | 2.86 | - | 89.18 | 31.94 | 10.42 | 34.07 |
| PK | 5.6418G | 64.16 | 68.20 | -4.04 | 7.90 | 3 | Vertical | 158 | 2.86 | - | 56.26 | 31.68 | 10.29 | 34.07 |
| PK | 5.751G | 109.64 | Inf | -Inf | 8.30 | 3 | Vertical | 158 | 2.86 | - | 101.34 | 31.95 | 10.43 | 34.08 |
| PK | 5.9538G | 62.72 | 68.20 | -5.48 | 8.88 | 3 | Vertical | 158 | 2.86 | - | 53.84 | 32.40 | 10.56 | 34.08 |

## 802.11ac VHT80-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5775MHz_TX

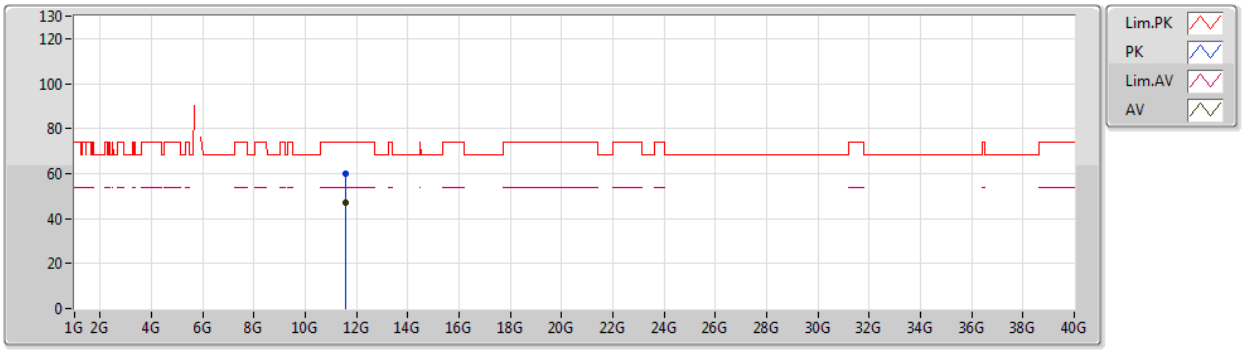



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.7462G | 99.88 | Inf | -Inf | 8.29 | 3 | Horizontal | 325 | 2.58 | - | 91.59 | 31.94 | 10.42 | 34.07 |
| PK | 5.6454G | 64.37 | 68.20 | -3.83 | 7.92 | 3 | Horizontal | 325 | 2.58 | - | 56.45 | 31.69 | 10.30 | 34.07 |
| PK | 5.7474G | 104.83 | Inf | -Inf | 8.29 | 3 | Horizontal | 325 | 2.58 | - | 96.54 | 31.94 | 10.42 | 34.07 |
| PK | 5.9898G | 61.62 | 68.20 | -6.58 | 8.90 | 3 | Horizontal | 325 | 2.58 | - | 52.72 | 32.40 | 10.58 | 34.08 |

## 802.11ac VHT80-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5775MHz_TX

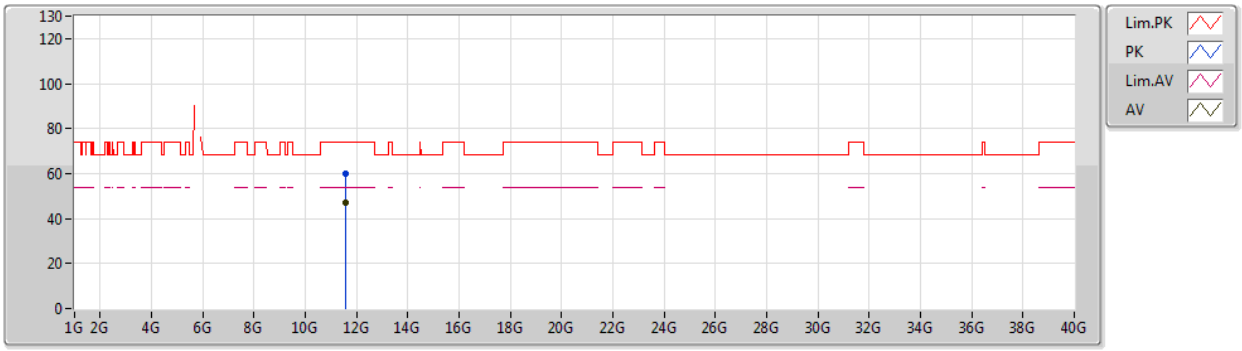



| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.55888G | 47.20 | 54.00 | -6.80 | 18.94 | 3 | Vertical | 256 | 1.87 | - | 28.26 | 39.47 | 13.66 | 34.19 |
| PK | 11.56356G | 59.78 | 74.00 | -14.22 | 18.94 | 3 | Vertical | 256 | 1.87 | - | 40.84 | 39.47 | 13.66 | 34.19 |

## 802.11ac VHT80-BF_Nss1,(MCS0)_4TX

14/09/2019

### 5775MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 11.55234G | 47.27 | 54.00 | -6.73 | 18.94 | 3 | Horizontal | 52 | 2.13 | - | 28.33 | 39.48 | 13.65 | 34.19 |
| PK | 11.5626G | 60.09 | 74.00 | -13.91 | 18.94 | 3 | Horizontal | 52 | 2.13 | - | 41.15 | 39.47 | 13.66 | 34.19 |

## Summary

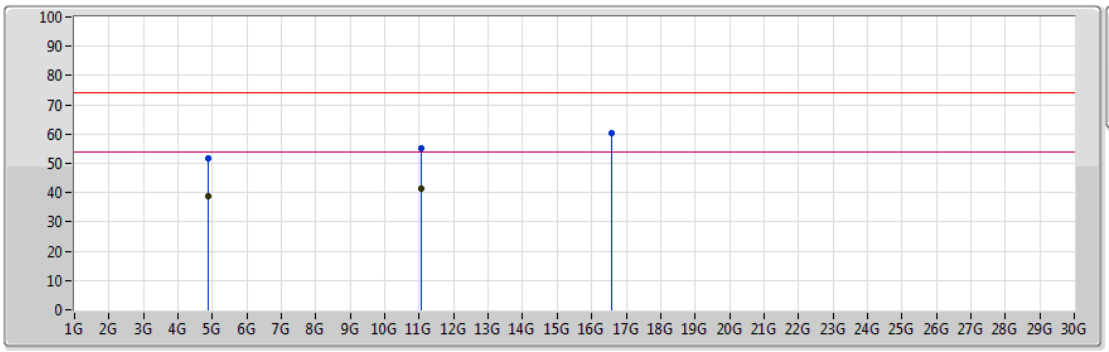
| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Condition |
|---|---|---|---|---|---|---|---|---|
| Mode 1 | Pass | AV | 11.05349G | 41.49 | 54.00 | -12.51 | 16.23 | Vertical |

## Mode Configure

| Mode | Configure |
|---|---|
| Mode 1 | 2.4G+5G B1/B2 |

## Mode 1

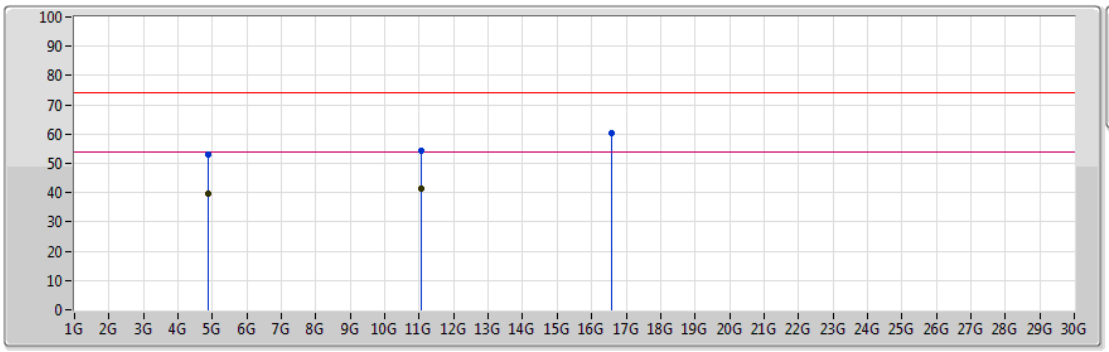
18/09/2019




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 4.87366G | 38.66 | 54.00 | -15.34 | 3.81 | 3 | Vertical | 236 | 1.80 | - | 34.85 | 31.47 | 6.81 | 34.47 |
| AV | 11.05349G | 41.49 | 54.00 | -12.51 | 16.23 | 3 | Vertical | 23 | 1.48 | - | 25.26 | 40.14 | 10.47 | 34.38 |
| PK | 4.87326G | 51.87 | 74.00 | -22.13 | 3.81 | 3 | Vertical | 236 | 1.80 | - | 48.06 | 31.47 | 6.81 | 34.47 |
| PK | 11.05561G | 55.24 | 74.00 | -18.76 | 16.21 | 3 | Vertical | 23 | 1.48 | - | 39.03 | 40.13 | 10.47 | 34.39 |
| PK | 16.58261G | 60.29 | 74.00 | -13.71 | 18.23 | 3 | Vertical | 112 | 1.52 | - | 42.06 | 38.79 | 13.72 | 34.28 |

## Mode 1

18/09/2019




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 4.87366G | 39.86 | 54.00 | -14.14 | 3.81 | 3 | Horizontal | 123 | 1.35 | - | 36.05 | 31.47 | 6.81 | 34.47 |
| AV | 11.05698G | 41.34 | 54.00 | -12.66 | 16.21 | 3 | Horizontal | 336 | 1.26 | - | 25.13 | 40.13 | 10.47 | 34.39 |
| PK | 4.87326G | 53.16 | 74.00 | -20.84 | 3.81 | 3 | Horizontal | 123 | 1.35 | - | 49.35 | 31.47 | 6.81 | 34.47 |
| PK | 11.06231G | 54.33 | 74.00 | -19.67 | 16.21 | 3 | Horizontal | 336 | 1.26 | - | 38.12 | 40.13 | 10.47 | 34.39 |
| PK | 16.58864G | 60.29 | 74.00 | -13.71 | 18.26 | 3 | Horizontal | 12 | 2.13 | - | 42.03 | 38.81 | 13.72 | 34.27 |