# FCC Test Report

| | | |
|---|---|---|
| **Equipment** | : | **AC750 Wi-Fi Range Extender, AV1000 Powerline Edition** |
| **Brand Name** | : | **TP-Link** |
| **Model No.** | : | **TL-WPA7510** |
| **FCC ID** | : | **TE7WPA7510** |
| **Standard** | : | **47 CFR FCC Part 15.407** |
| **Operating Band** | : | **5150 MHz – 5250 MHz**<br>**5725 MHz – 5850 MHz** |
| **Applicant / Manufacturer** | : | **TP-Link Technologies Co., Ltd.**<br>Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park,Shennan Rd, Nanshan, Shenzhen,China |
| **Function** | : | ☐ **Outdoor;** ☒ **Indoor;** ☐ **Fixed P2P**<br>☐ **Client** |

**The product sample received on Mar. 15, 2017 and completely tested on Jun. 06, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.**

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

Phoenix Chen
SPORTON INTERNATIONAL INC.

Testing Laboratory
1190

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# Summary of Test Result

| Conformance Test Specifications | | | |
|---|---|---|---|
| **Report Clause** | **Ref. Std. Clause** | **Description** | **Result** |
| 1.1.2 | 15.203 | Antenna Requirement | Complied |
| 3.1 | 15.207 | AC Power-line Conducted Emissions | Complied |
| 3.2 | 15.407(a) | Emission Bandwidth | Complied |
| 3.3 | 15.407(a) | Maximum Conducted Output Power | Complied |
| 3.4 | 15.407(a) | Peak Power Spectral Density | Complied |
| 3.5 | 15.407(b) | Unwanted Emissions | Complied |
| 3.6 | 15.407(g) | Frequency Stability | Complied |

# Revision History

| Report No. | Version | Description | Issued Date |
|---|---|---|---|
| FR731330AN | Rev. 01 | Initial issue of report | Jun. 28, 2017 |
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# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
|---|---|---|---|
| 5150-5250 | a, n (HT20), ac (VHT20) | 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] |

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.15-5.25GHz | 802.11a | 20 | 1TX |
| 5.15-5.25GHz | 802.11ac VHT20 | 20 | 1TX |
| 5.15-5.25GHz | 802.11ac VHT40 | 40 | 1TX |
| 5.15-5.25GHz | 802.11ac VHT80 | 80 | 1TX |
| 5.725-5.85GHz | 802.11a | 20 | 1TX |
| 5.725-5.85GHz | 802.11ac VHT20 | 20 | 1TX |
| 5.725-5.85GHz | 802.11ac VHT40 | 40 | 1TX |
| 5.725-5.85GHz | 802.11ac VHT80 | 80 | 1TX |

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 | Gain (dBi) |
|---|---|---|---|---|---|
| 1 | - | - | Omni-Directional | fixed on board | 3.19 |

### 1.1.3 EUT Information

| Identify EUT | | | | |
|---|---|---|---|---|
| **SW / HW** | N/A | | | |
| **Operational Condition** | | | | |
| **EUT Power Type** | From AC Adapter | | | |
| **Beamforming Function** | ☐ | With beamforming | ☒ | Without beamforming |

| 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

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11a | 0.997 | 0.013 | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11ac VHT20 | 0.993 | 0.031 | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11ac VHT40 | 0.999 | 0.004 | n/a (DC>=0.98) | n/a (DC>=0.98) |
| 802.11ac VHT80 | 0.995 | 0.022 | n/a (DC>=0.98) | n/a (DC>=0.98) |

## 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 v01r04
- KDB 644545 D03 v01

## 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. 553509 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 |
|---|---|---|---|---|
| RF Conducted | TH06-HY | Ryan | 24.5°C / 62% | 31/May/2017 |
| Radiated | 03CH02-HY | Lynus | 23.5°C / 65% | 29/May/2017 |
| AC Conduction | CO04-HY | Bear | 22°C / 61% | 06/Jun/2017 |

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## 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) | 3.6 dB | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 2.1 dB | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz) | 2.6 dB | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz) | 2.9 dB | Confidence levels of 95% |
| Conducted Emission | 1.3 dB | Confidence levels of 95% |

# 2 Test Configuration of EUT

## 2.1 Test Condition

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

## 2.2 Test Channel Mode

| Test Software | MT7620(2.4G): 1.0.6.0 |
|---|---|

| Mode | Power Setting |
|---|---|
| 802.11a_(6Mbps)_1TX | - |
| 5180MHz | 25 |
| 5200MHz | 24 |
| 5240MHz | 25 |
| 5745MHz | 2A |
| 5785MHz | 2A |
| 5825MHz | 2A |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | - |
| 5180MHz | 22 |
| 5200MHz | 25 |
| 5240MHz | 25 |
| 5745MHz | 2A |
| 5785MHz | 2A |
| 5825MHz | 2A |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | - |
| 5190MHz | 1A |
| 5230MHz | 25 |
| 5755MHz | 27 |
| 5795MHz | 2A |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | - |
| 5210MHz | 23 |
| 5775MHz | 1F |

## 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** | Normal Link |
| 1 | Adapter mode |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Emission Bandwidth<br>Maximum Conducted Output Power<br>Peak Power Spectral Density<br>Frequency Stability |
| **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 | Adapter mode | | |
| **Operating Mode > 1GHz** | CTX | | |
| **Orthogonal Planes of EUT** | **X Plane** | **Y Plane** | **Z Plane** |
| |  |  |  |
| **Worst Planes of EUT** | | | V |

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Simultaneous Transmission Analysis |
| **Operating Mode** | CTX |
| 1 | WLAN 2.4GHz+WLAN 5GHz |
| Refer to Sporton Test Report No.: FA731330 for Co-location RF Exposure Evaluation. | |

## 2.4 Accessories

| Accessories | | | | |
|---|---|---|---|---|
| - | - | - | - | - |

## 2.5 Support Equipment

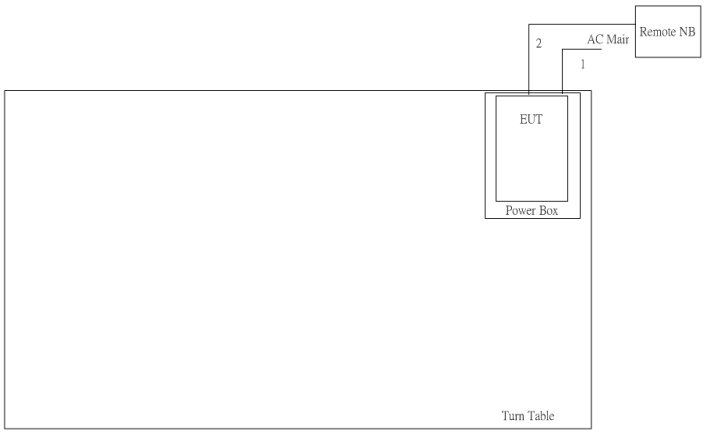
| Support Equipment - RF Conducted | | | | |
|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** |
| 1 | Notebook | DELL | E5410 | DoC |
| 2 | Adapter for NB | DELL | HA65NM130 | DoC |

| Support Equipment - Radiated Emission | | | | |
|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** |
| 1 | Notebook(Remote) | DELL | E5410 | DoC |

| Support Equipment – AC Conduction | | | | |
|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** |
| 1 | Notebook(Remote) | DELL | E5410 | DoC |

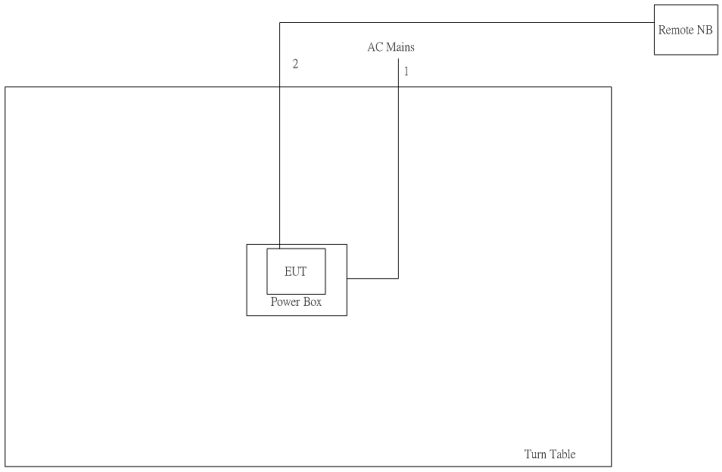
## 2.6 Test Setup Diagram

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




| Item | Connection | Shielded | Length(m) | Remark |
|---|---|---|---|---|
| 1 | AC Power cable | No | 1.5m | - |
| 2 | RJ-45 cable | No | 10.0m | - |

**Test Setup Diagram - Radiated Test**




| Item | Connection | Shielded | Length(m) | Remark |
|---|---|---|---|---|
| 1 | AC Power cable | No | 1.5m | - |
| 2 | RJ-45 cable | No | 10.0m | - |

# 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

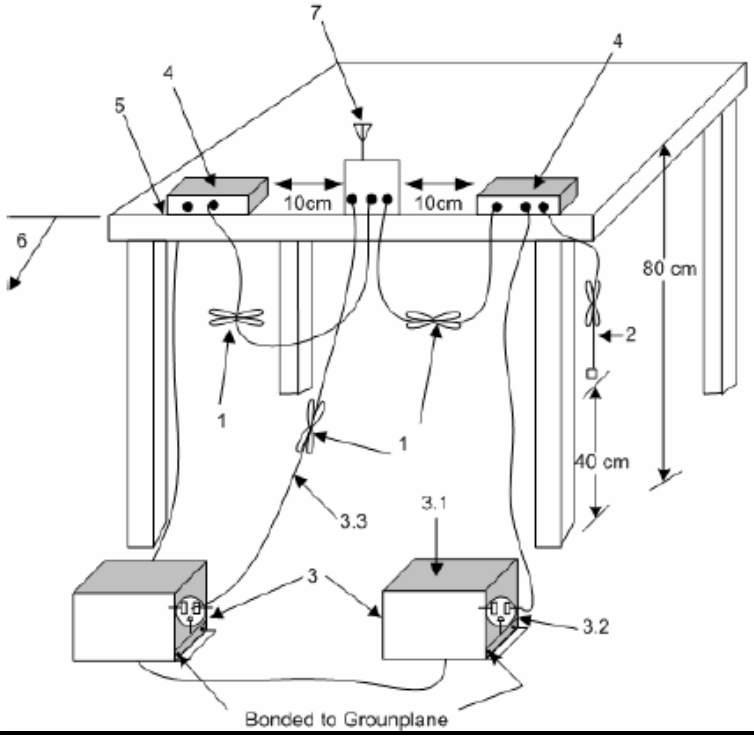
Refer a test equipment and calibration data table in this test report.

### 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**




### 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, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. |
| ☐ | For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. |
| ☒ | For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz. |

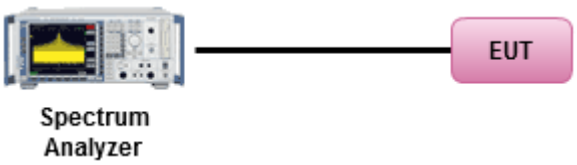
## 3.2.2 Measuring Instruments

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 6.6 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. | |

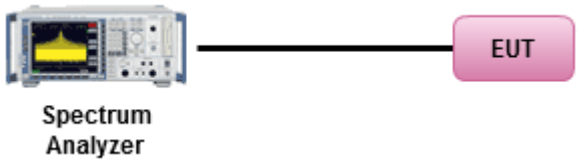
### 3.3.2 Measuring Instruments

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 (Spectrum Analyzer) |
|---|
|  |

### 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. | |

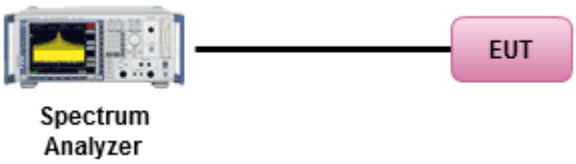
## 3.4.2 Measuring Instruments

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.

| 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 | Follow 15.407(b)(4)(ii), the emission limits in § 15.247(d), 30dBc in any 100 kHz bandwidth outside the operating frequency band. |

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.

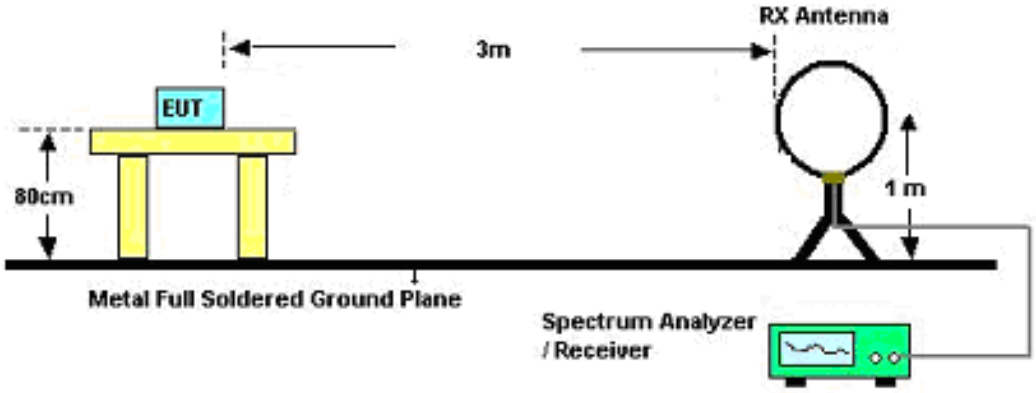
### 3.5.3 Test Procedures

| 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. | | | |

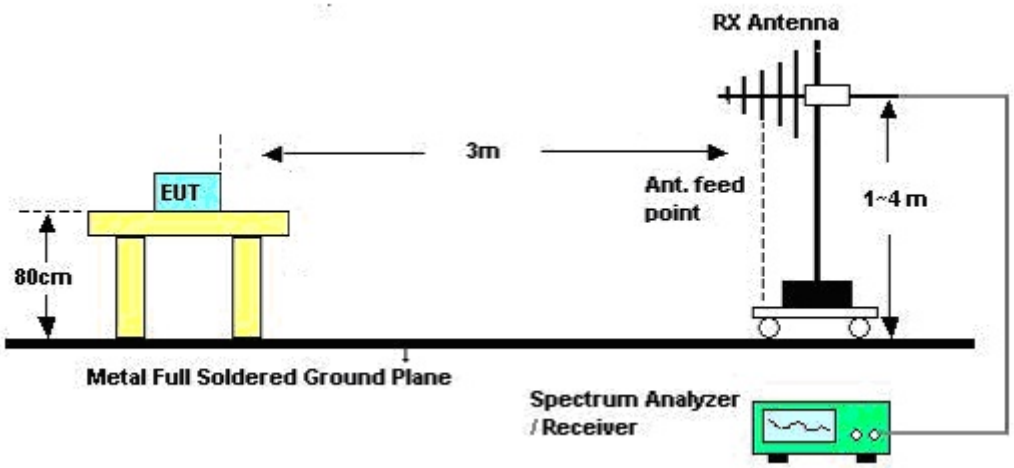
### 3.5.4 Test Setup

**Transmitter Radiated Unwanted Emissions**

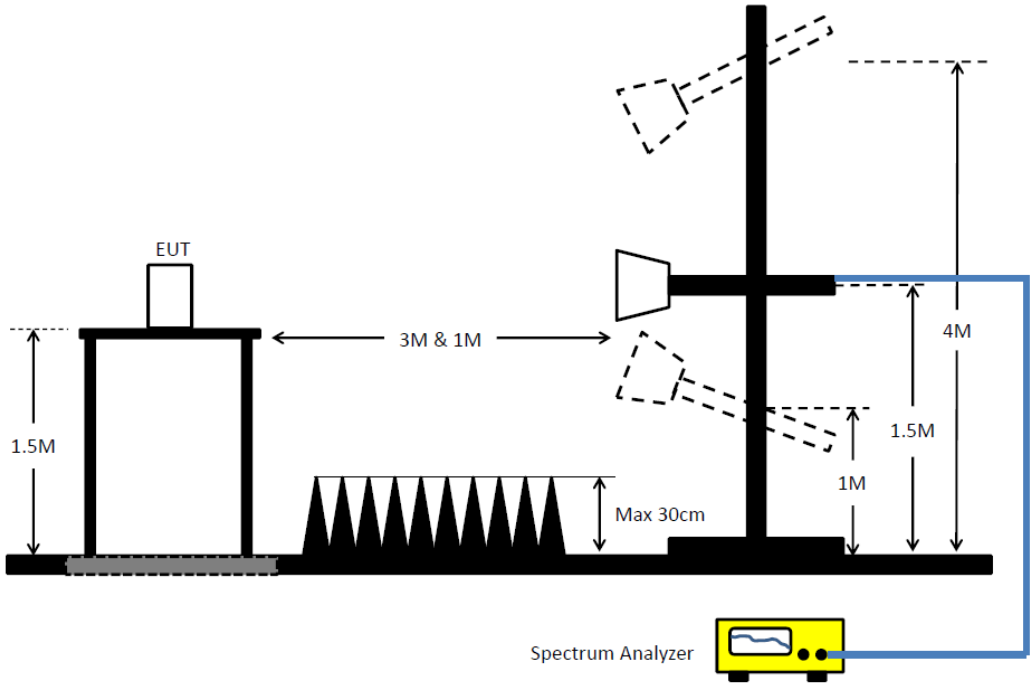
**9kHz ~30MHz**




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

### 3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

# 3.6 Frequency Stability

## 3.6.1 Frequency Stability Limit

| Frequency Stability Limit |
|---|
| **UNII Devices** |
| ▪ In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual. |

## 3.6.2 Measuring Instruments

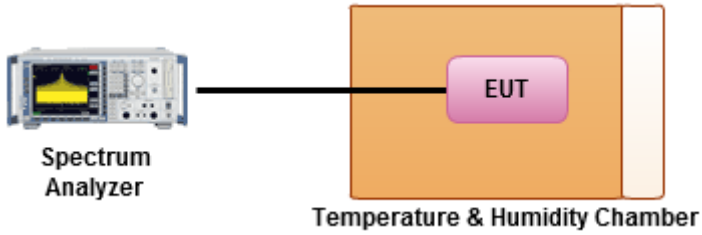
Refer a test equipment and calibration data table in this test report.

## 3.6.3 Test Procedures

| Test Method | | |
|---|---|---|
| ▪ | Refer as ANSI C63.10, clause 6.8 for frequency stability tests | |
| | ▪ | Frequency stability with respect to ambient temperature |
| | ▪ | Frequency stability when varying supply voltage |

## 3.6.4 Test Setup

**Frequency Stability**




## 3.6.5 Test Result of Frequency Stability

Refer as Appendix F

# 4 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 | 29/Apr/2017 | 28/Apr/2018 |
| LISN | R&S | ENV216 | 101295 | 9kHz ~ 30MHz | 15/Nov/2016 | 14/Nov/2017 |
| RF Cable-CON | HUBER+SUHNER | RG213/U | 07611832020001 | 9kHz ~ 30MHz | 24/Oct/2016 | 23/Oct/2017 |
| AC POWER | APC | AFC-11005G | F310050055 | 47Hz~63Hz 5~300V | NCR | NCR |
| Impuls Begrenzer Puls e Limiter | R&S | ESH3-Z2 | 100921 | 10 kHz ~ 30 MHz | 21/Oct/2015 | 20/Oct/2016 |

**NCR : Non-Calibration Require**

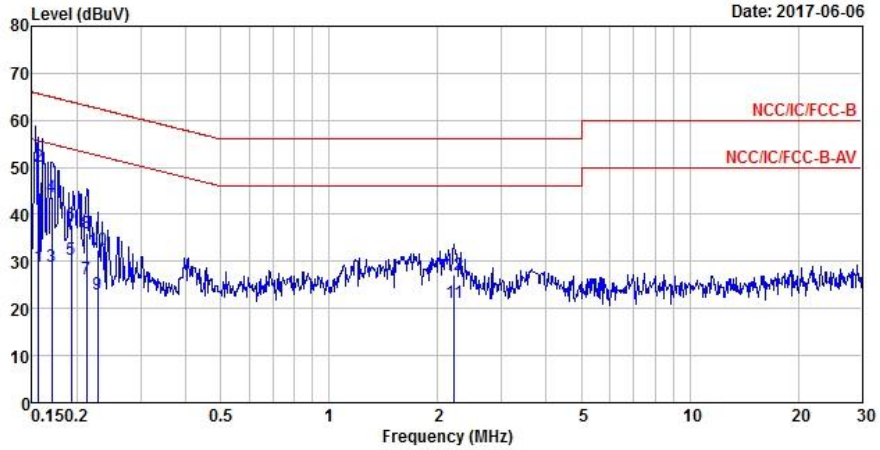
**Instrument for Radiated Test**

| Instrument | Manufacturer | Model No. | Serial No. | Spec. | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|---|
| Spectrum Analyzer | R&S | FSP40 | 100593 | 9kHz - 40GHz | 26/Oct/2016 | 25/Oct/2017 |
| 3m Semi Anechoic | SIDT FRANKONIA | SAC-3M | 03CH02-HY | 30MHz-1GHz | 03/Jun/2016 | 02/Jun/2017 |
| 3m Semi Anechoic | SIDT FRANKONIA | SAC-3M | 03CH02-HY | 1GHz ~ 18GHz | 12/Dec/2016 | 11/Dec/2017 |
| Amplifier | Agilent | 8447D | 2944A11149 | 100KHz-1.3GHz | 01/Jul/2016 | 30/Jun/2017 |
| Amplifier | Agilent | 8449B | 3008A02373 | 1GHz-26.5GHz | 02/Sep/2016 | 01/Sep/2017 |
| Horn Antenna | SCHWARZBECK | BBHA9120D | BBHA9120D 01531 | 1GHz-18GHz | 25/Apr/2017 | 24/Apr/2018 |
| Horn Antenna | SCHWARZBECK | BBHA9170 | BBHA9170154 | 15GHz-40GHz | 06/Feb/2017 | 05/Feb/2018 |
| Bilog Antenna | SCHAFFNER | CBL6112B | 2723 | 30MHz-1GHz | 01/Oct/2016 | 30/Sep/2017 |
| Amplifier | MITEQ | JS44-18004000 -33-8P | 1840917 | 18GHz-40GHz | 01/Jun/2015 | 31/May/2017 |
| RF Cable-high | SUHNER | SUCOFLEX104 | MY34918/4 | 1GHz ~ 40GHz | 26/Jan/2017 | 25/Jan/2018 |
| RF Cable-R03m | Jye Bao | RG142 | CB017 | 9kHz ~ 1GHz | 26/Jan/2017 | 25/Jan/2018 |

**Instrument for Conducted Test**

| Instrument | Manufacturer | Model No. | Serial No. | Spec. | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|---|
| Spectrum Analyzer | R&S | FSV 40 | 101013 | 9kHz~40GHz | 30/Dec/2016 | 29/Dec/ 2017 |
| Power Sensor | Anritsu | MA2411B | 0917017 | 300MHz ~ 40GHz | 10/Feb/2017 | 09/Feb/2018 |
| Power Meter | Anritsu | ML2495A | 0949003 | 300MHz ~ 40GHz | 10/Feb/2017 | 09/Feb/2018 |
| Signal Generator | R&S | SMR40 | 100116 | 10MHz ~ 40GHz | 21/Jul/2016 | 20/Jul/2017 |
| Temp. and Humidity Chamber | Giant Force | GTH-225-20-SP-SD | MAA1112-007 | -20 ~ 100℃ | 10/May/2017 | 09/May/2018 |
| AC Power Source | G.W | APS-9102 | EL920581 | AC 0V ~ 300V | 04/Jun/2016 | 03/Jun/2017 |
| RF Cable-0.2m | HUBER+SUHNER | SUCOFLEX_104 | MY10710/4 | 30MHz ~ 26.5GHz | 02/Oct/2016 | 01/Oct/2017 |
| RF Cable-0.2m | HUBER+SUHNER | SUCOFLEX_104 | MY10709/4 | 30MHz ~ 26.5GHz | 02/Oct/2016 | 01/Oct/2017 |
| RF Cable-0.5m | HUBER+SUHNER | SUCOFLEX_104 | MY10713/4 | 30MHz ~ 26.5GHz | 02/Oct/2016 | 01/Oct/2017 |
| RF Cable-1.5m | HUBER+SUHNER | SUCOFLEX_104 | MY12582/4 | 30MHz ~ 26.5GHz | 02/Oct/2016 | 01/Oct/2017 |

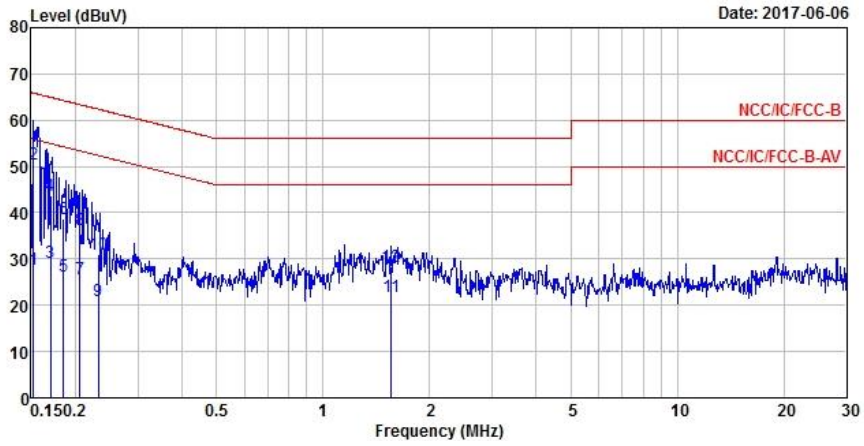
| AC Power-line Conducted Emissions Result | | | |
|---|---|---|---|
| **Operating Mode** | 1 | **Power Phase** | Neutral |
| **Operating Function** | Adapter mode | | |




| | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | dB | |
| 1 | 0.16 | 28.99 | -26.66 | 55.65 | 19.15 | 9.61 | 0.23 | Average |
| 2 MAX | 0.16 | 50.17 | -15.48 | 65.65 | 40.33 | 9.61 | 0.23 | QP |
| 3 | 0.17 | 28.91 | -26.03 | 54.94 | 19.02 | 9.63 | 0.26 | Average |
| 4 | 0.17 | 43.55 | -21.39 | 64.94 | 33.66 | 9.63 | 0.26 | QP |
| 5 | 0.19 | 30.41 | -23.52 | 53.93 | 20.46 | 9.66 | 0.29 | Average |
| 6 | 0.19 | 37.87 | -26.06 | 63.93 | 27.92 | 9.66 | 0.29 | QP |
| 7 | 0.21 | 26.24 | -26.86 | 53.10 | 16.29 | 9.67 | 0.28 | Average |
| 8 | 0.21 | 35.94 | -27.16 | 63.10 | 25.99 | 9.67 | 0.28 | QP |
| 9 | 0.23 | 23.01 | -29.51 | 52.52 | 13.09 | 9.66 | 0.26 | Average |
| 10 | 0.23 | 32.33 | -30.19 | 62.52 | 22.41 | 9.66 | 0.26 | QP |
| 11 | 2.22 | 21.38 | -24.62 | 46.00 | 11.45 | 9.66 | 0.27 | Average |
| 12 | 2.22 | 27.20 | -28.80 | 56.00 | 17.27 | 9.66 | 0.27 | QP |

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

| AC Power-line Conducted Emissions Result | | | |
|---|---|---|---|
| **Operating Mode** | 1 | **Power Phase** | Line |
| **Operating Function** | Adapter mode | | |




| | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | dB | |
| 1 | 0.15 | 27.61 | -28.26 | 55.87 | 17.73 | 9.66 | 0.22 | Average |
| 2 MAX | 0.15 | 50.56 | -15.31 | 65.87 | 40.68 | 9.66 | 0.22 | QP |
| 3 | 0.17 | 29.32 | -25.62 | 54.94 | 19.40 | 9.66 | 0.26 | Average |
| 4 | 0.17 | 43.79 | -21.15 | 64.94 | 33.87 | 9.66 | 0.26 | QP |
| 5 | 0.19 | 26.14 | -28.10 | 54.24 | 16.21 | 9.65 | 0.28 | Average |
| 6 | 0.19 | 38.79 | -25.45 | 64.24 | 28.86 | 9.65 | 0.28 | QP |
| 7 | 0.21 | 25.57 | -27.79 | 53.36 | 15.63 | 9.65 | 0.29 | Average |
| 8 | 0.21 | 36.30 | -27.06 | 63.36 | 26.36 | 9.65 | 0.29 | QP |
| 9 | 0.23 | 20.85 | -31.54 | 52.39 | 10.93 | 9.66 | 0.26 | Average |
| 10 | 0.23 | 31.11 | -31.28 | 62.39 | 21.19 | 9.66 | 0.26 | QP |
| 11 | 1.56 | 21.79 | -24.21 | 46.00 | 11.83 | 9.73 | 0.23 | Average |
| 12 | 1.56 | 28.31 | -27.69 | 56.00 | 18.35 | 9.73 | 0.23 | QP |

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

**Summary**

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---|---|---|---|---|---|
| 802.11a_(6Mbps)_1TX | - | - | - | - | - |
| 5.15-5.25GHz | 40.225M | 19.565M | 19M6D1D | 38.075M | 18.391M |
| 5.725-5.85GHz | 16.425M | 32.284M | 32M3D1D | 16.375M | 31.734M |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | - | - | - | - | - |
| 5.15-5.25GHz | 47.85M | 26.612M | 26M6D1D | 43.275M | 19.215M |
| 5.725-5.85GHz | 17.65M | 32.684M | 32M7D1D | 17.625M | 32.359M |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | - | - | - | - | - |
| 5.15-5.25GHz | 90.95M | 38.981M | 39M0D1D | 43.35M | 36.132M |
| 5.725-5.85GHz | 36.4M | 66.017M | 66M0D1D | 36.35M | 59.92M |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | - | - | - | - | - |
| 5.15-5.25GHz | 191.2M | 78.061M | 78M1D1D | 191.2M | 78.061M |
| 5.725-5.85GHz | 76.3M | 100.15M | 100MD1D | 76.3M | 100.15M |

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

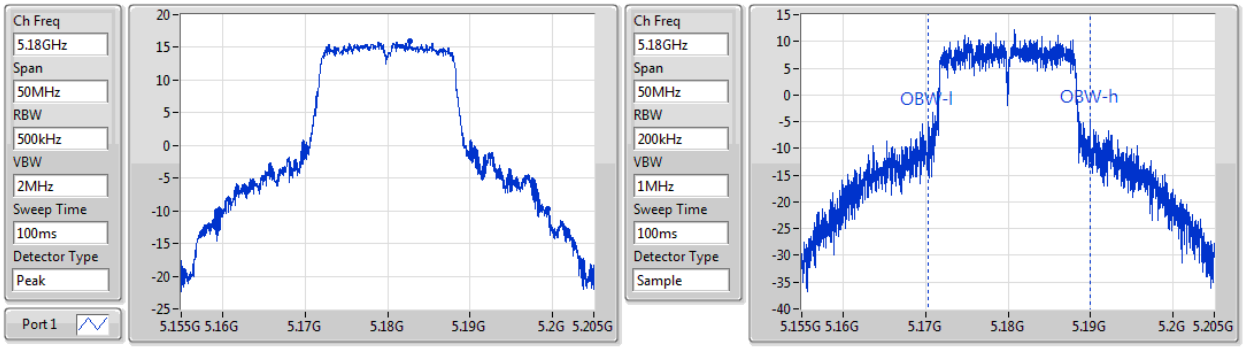
**Result**

| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) |
|---|---|---|---|---|
| 802.11a_(6Mbps)_1TX | - | - | - | - |
| 5180MHz | Pass | Inf | 40.225M | 19.565M |
| 5200MHz | Pass | Inf | 38.075M | 18.391M |
| 5240MHz | Pass | Inf | 38.575M | 19.49M |
| 5745MHz | Pass | 500k | 16.375M | 31.934M |
| 5785MHz | Pass | 500k | 16.375M | 32.284M |
| 5825MHz | Pass | 500k | 16.425M | 31.734M |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | - | - | - | - |
| 5180MHz | Pass | Inf | 47.85M | 26.612M |
| 5200MHz | Pass | Inf | 43.775M | 19.215M |
| 5240MHz | Pass | Inf | 43.275M | 20.265M |
| 5745MHz | Pass | 500k | 17.625M | 32.609M |
| 5785MHz | Pass | 500k | 17.65M | 32.359M |
| 5825MHz | Pass | 500k | 17.65M | 32.684M |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | - | - | - | - |
| 5190MHz | Pass | Inf | 43.35M | 36.132M |
| 5230MHz | Pass | Inf | 90.95M | 38.981M |
| 5755MHz | Pass | 500k | 36.4M | 59.92M |
| 5795MHz | Pass | 500k | 36.35M | 66.017M |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | - | - | - | - |
| 5210MHz | Pass | Inf | 191.2M | 78.061M |
| 5775MHz | Pass | 500k | 76.3M | 100.15M |

**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_(6Mbps)_1TX** **EBW**

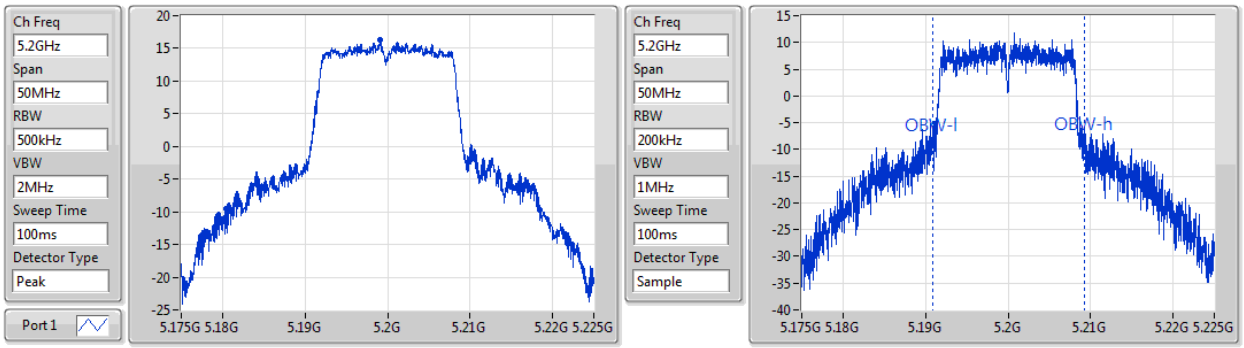
**5180MHz**




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 40.225M | 5.15925G | 5.199475G | 19.565M | 5.170355G | 5.18992G | Inf | 1 |

**802.11a_(6Mbps)_1TX** **EBW**

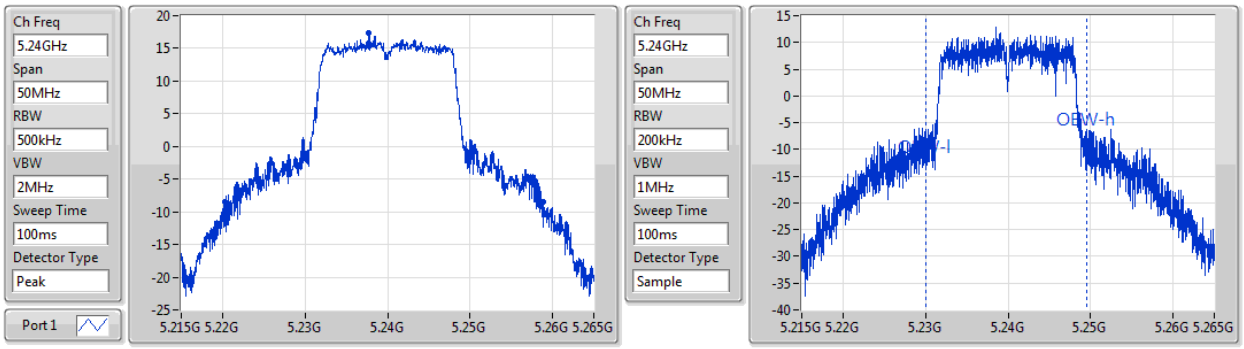
**5200MHz**




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 38.075M | 5.180425G | 5.2185G | 18.391M | 5.190905G | 5.209295G | Inf | 1 |

**802.11a_(6Mbps)_1TX** **EBW**

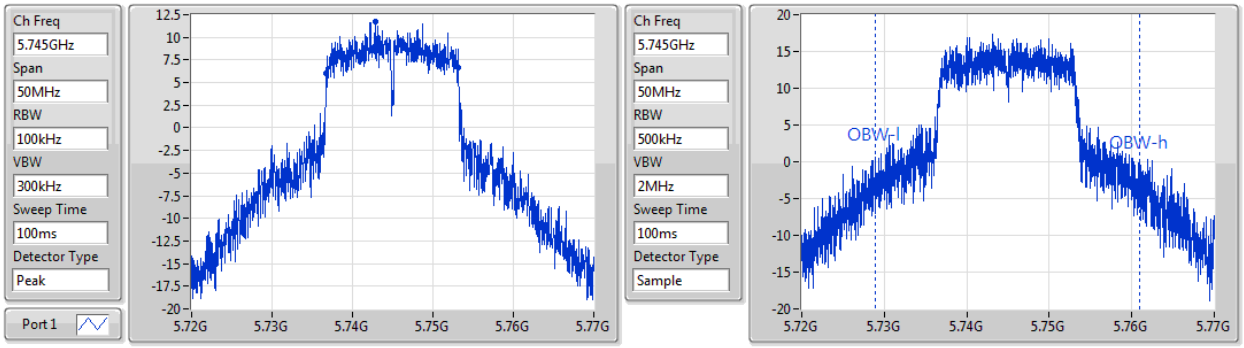
**5240MHz**




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 38.575M | 5.220275G | 5.25885G | 19.49M | 5.23008G | 5.24957G | Inf | 1 |

**802.11a_(6Mbps)_1TX** **EBW**

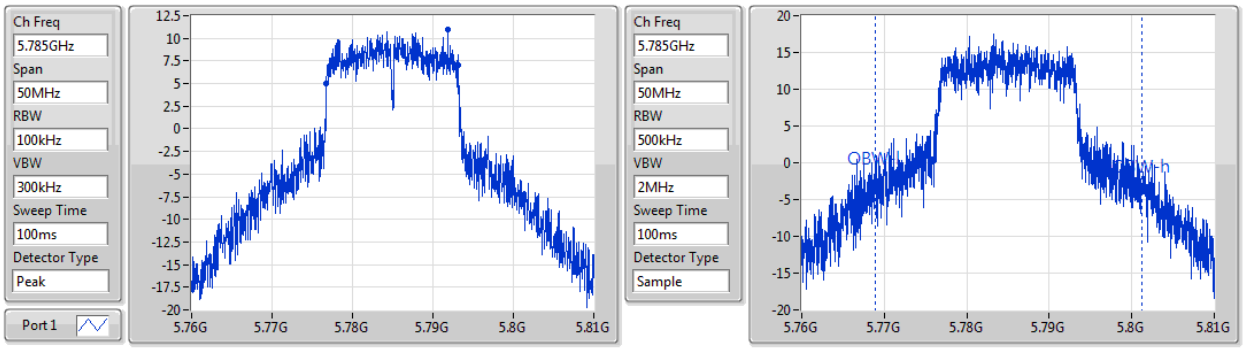
**5745MHz**




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.375M | 5.736775G | 5.75315G | 31.934M | 5.728958G | 5.760892G | 500k | 1 |

**802.11a_(6Mbps)_1TX** **EBW**

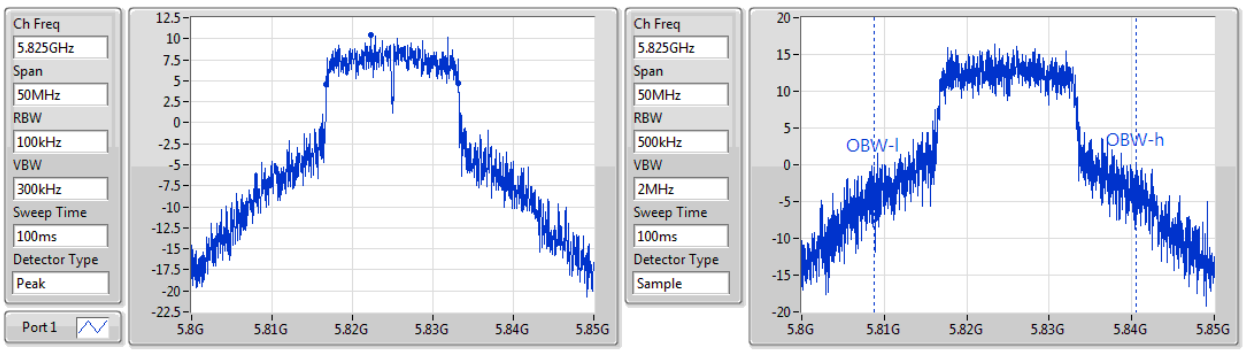
**5785MHz**




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.375M | 5.776775G | 5.79315G | 32.284M | 5.768883G | 5.801167G | 500k | 1 |

**802.11a_(6Mbps)_1TX** **EBW**

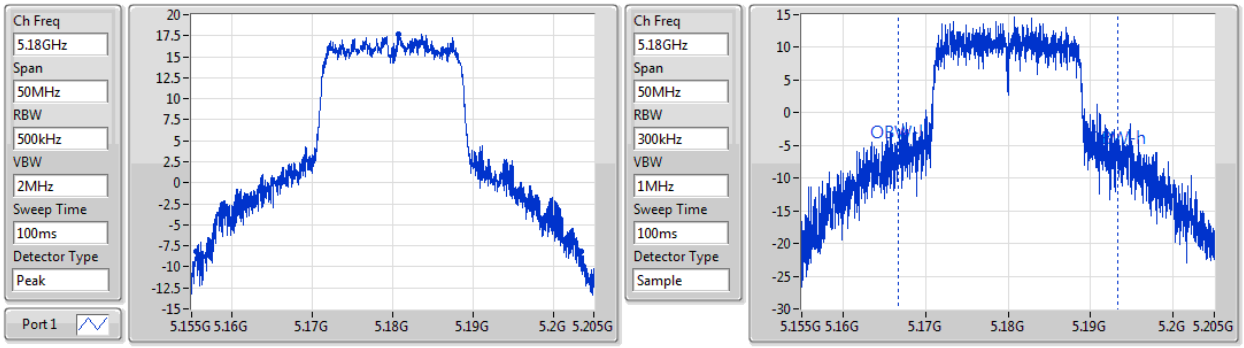
**5825MHz**




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 16.425M | 5.81675G | 5.833175G | 31.734M | 5.808833G | 5.840567G | 500k | 1 |

## 802.11ac VHT20_Nss1,(MCS0)_1TX EBW

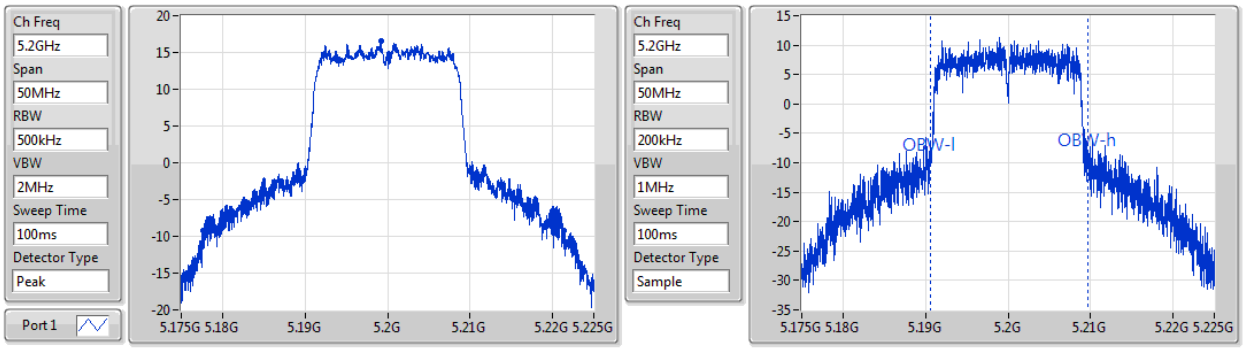
### 5180MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 47.85M | 5.155575G | 5.203425G | 26.612M | 5.166632G | 5.193243G | Inf | 1 |

## 802.11ac VHT20_Nss1,(MCS0)_1TX EBW

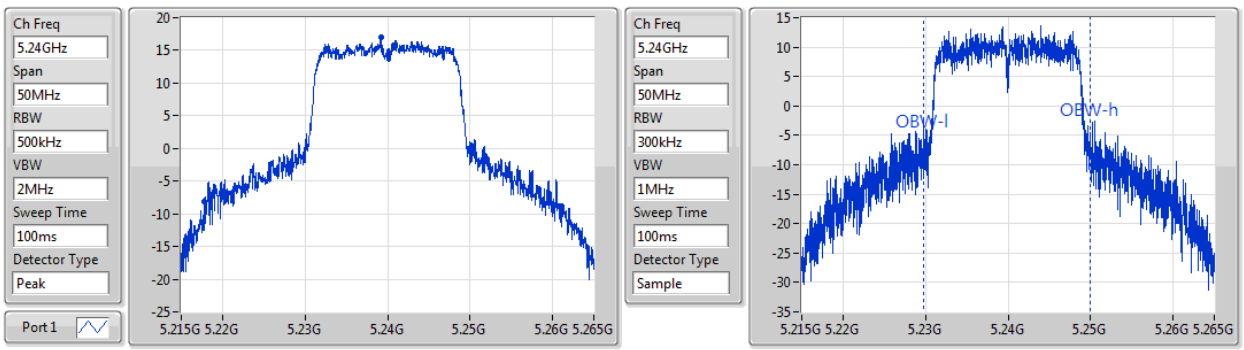
### 5200MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 43.775M | 5.17765G | 5.221425G | 19.215M | 5.19053G | 5.209745G | Inf | 1 |

## 802.11ac VHT20_Nss1,(MCS0)_1TX EBW

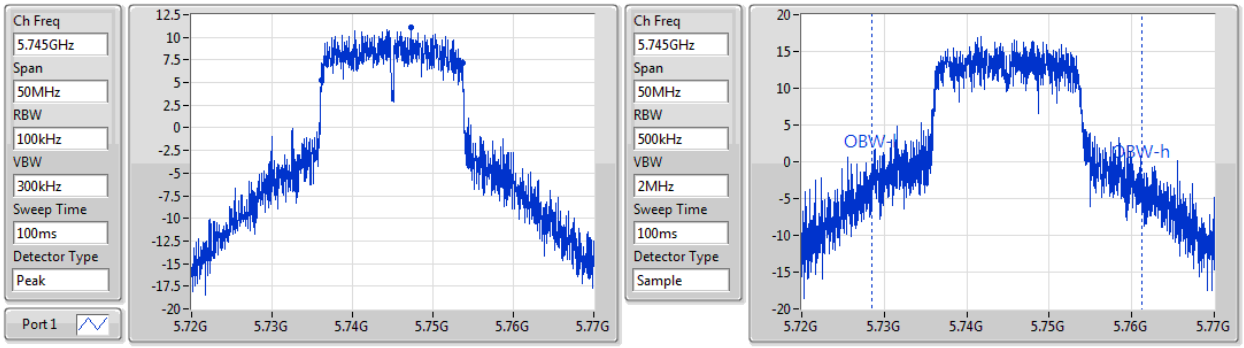
### 5240MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 43.275M | 5.217775G | 5.26105G | 20.265M | 5.22973G | 5.249995G | Inf | 1 |

## 802.11ac VHT20_Nss1,(MCS0)_1TX EBW

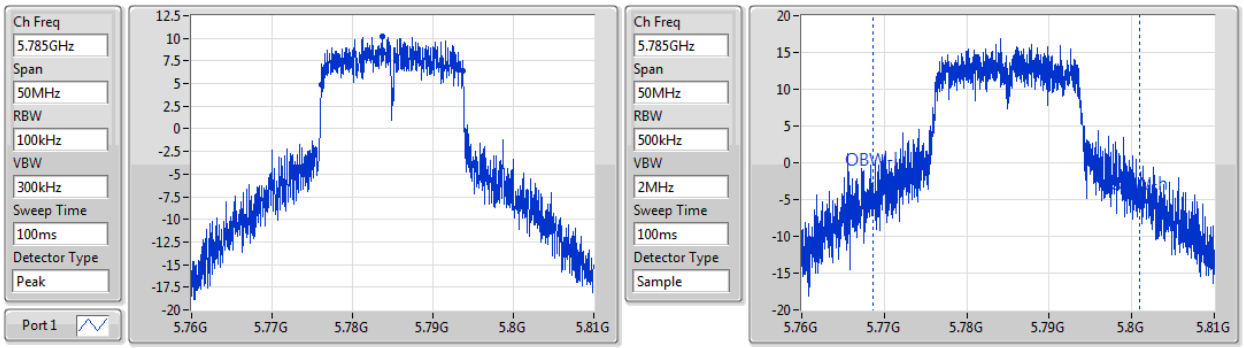
### 5745MHz




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 17.625M | 5.736125G | 5.75375G | 32.609M | 5.728558G | 5.761167G | 500k | 1 |

## 802.11ac VHT20_Nss1,(MCS0)_1TX EBW

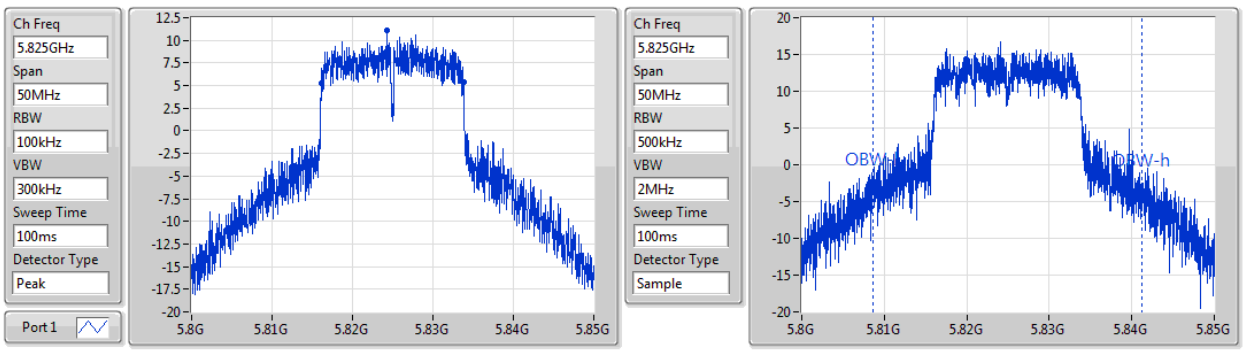
### 5785MHz




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 17.65M | 5.776125G | 5.793775G | 32.359M | 5.768608G | 5.800967G | 500k | 1 |

## 802.11ac VHT20_Nss1,(MCS0)_1TX EBW

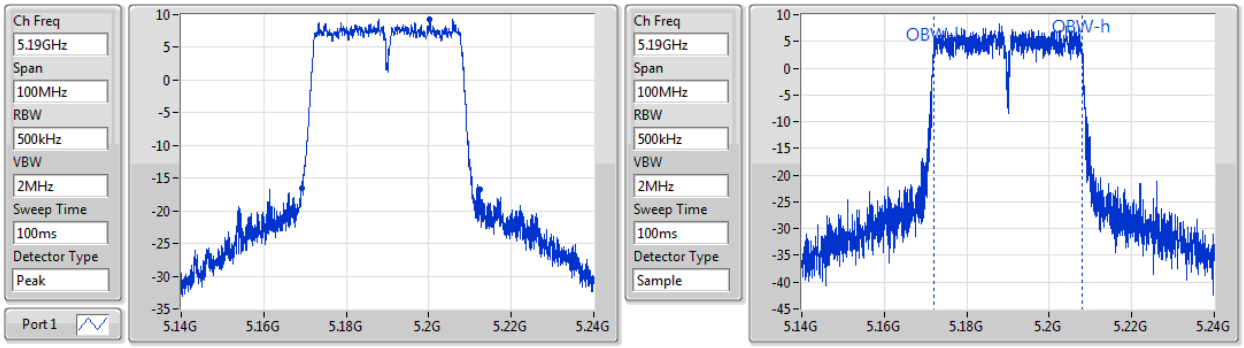
### 5825MHz




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 17.65M | 5.81615G | 5.8338G | 32.684M | 5.808583G | 5.841267G | 500k | 1 |

## 802.11ac VHT40_Nss1,(MCS0)_1TX EBW

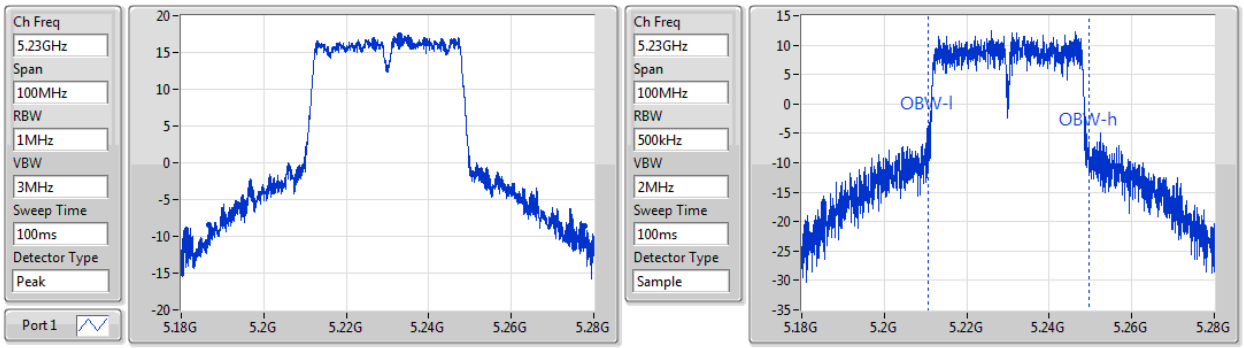
### 5190MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 43.35M | 5.16915G | 5.2125G | 36.132M | 5.171909G | 5.208041G | Inf | 1 |

## 802.11ac VHT40_Nss1,(MCS0)_1TX EBW

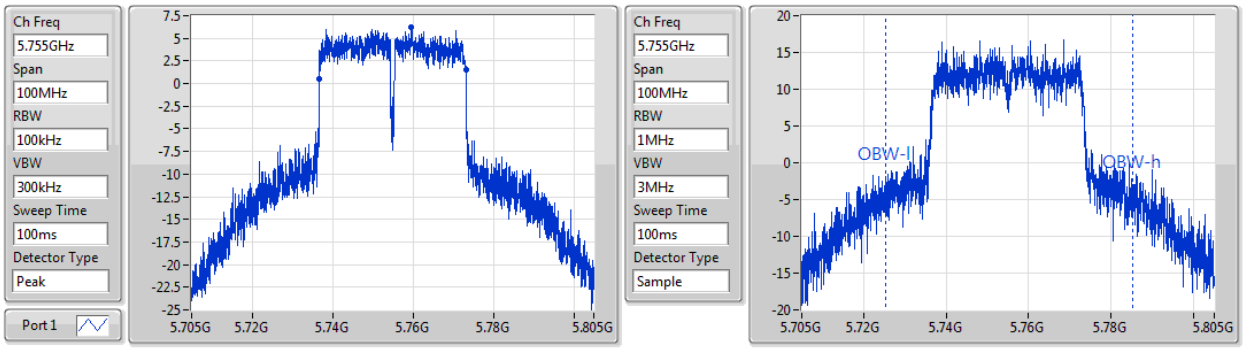
### 5230MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 90.95M | 5.1867G | 5.27765G | 38.981M | 5.21056G | 5.24954G | Inf | 1 |

## 802.11ac VHT40_Nss1,(MCS0)_1TX EBW

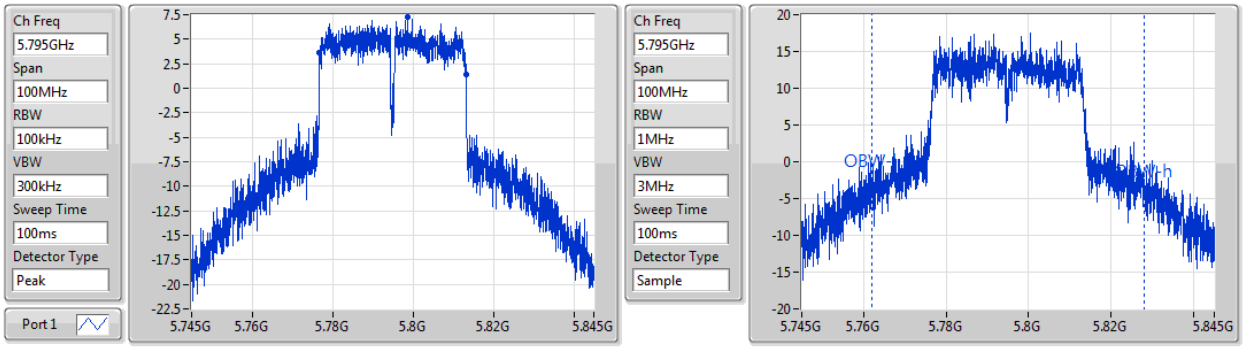
### 5755MHz




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 36.4M | 5.73675G | 5.77315G | 59.92M | 5.725215G | 5.785135G | 500k | 1 |

## 802.11ac VHT40_Nss1,(MCS0)_1TX EBW

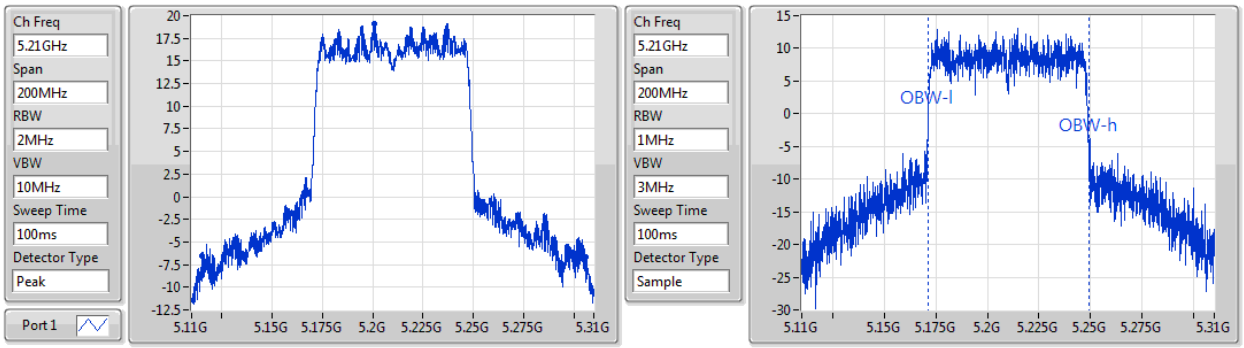
### 5795MHz




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 36.35M | 5.7768G | 5.81315G | 66.017M | 5.761917G | 5.827934G | 500k | 1 |

## 802.11ac VHT80_Nss1,(MCS0)_1TX EBW

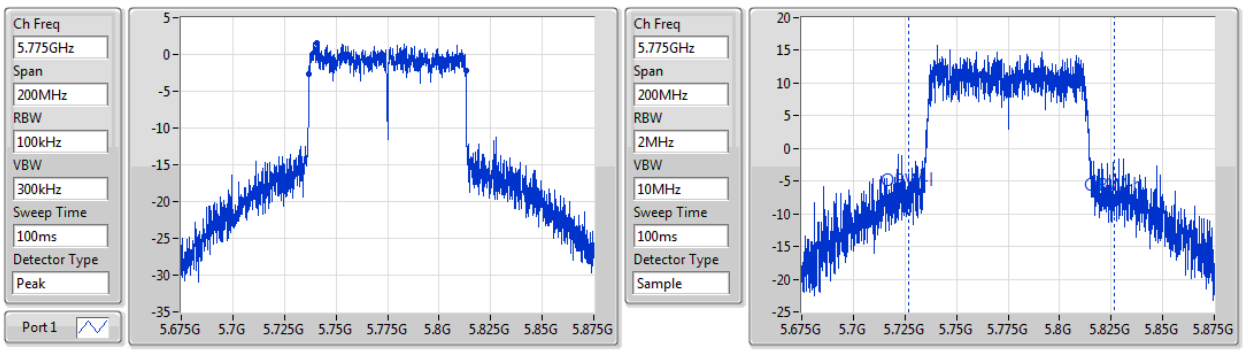
### 5210MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 191.2M | 5.115G | 5.3062G | 78.061M | 5.171319G | 5.24938G | Inf | 1 |

## 802.11ac VHT80_Nss1,(MCS0)_1TX EBW

### 5775MHz




| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 76.3M | 5.7368G | 5.8131G | 100.15M | 5.726624G | 5.826774G | 500k | 1 |

**Summary**

| Mode | Total Power (dBm) | Total Power (W) | EIRP (dBm) | EIRP (W) |
|---|---|---|---|---|
| 802.11a_(6Mbps)_1TX | - | - | - | - |
| 5.15-5.25GHz | 23.42 | 0.21979 | 26.61 | 0.45814 |
| 5.725-5.85GHz | 24.43 | 0.27733 | 27.62 | 0.57810 |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | - | - | - | - |
| 5.15-5.25GHz | 24.23 | 0.26485 | 27.42 | 0.55208 |
| 5.725-5.85GHz | 24.32 | 0.27040 | 27.51 | 0.56364 |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | - | - | - | - |
| 5.15-5.25GHz | 23.20 | 0.20893 | 26.39 | 0.43551 |
| 5.725-5.85GHz | 23.98 | 0.25003 | 27.17 | 0.52119 |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | - | - | - | - |
| 5.15-5.25GHz | 22.82 | 0.19143 | 26.01 | 0.39902 |
| 5.725-5.85GHz | 21.84 | 0.15276 | 25.03 | 0.31842 |

## Result

| Mode | Result | DG (dBi) | Port 1 (dBm) | Total Power (dBm) | Power Limit (dBm) | EIRP (dBm) | EIRP Limit (dBm) |
|---|---|---|---|---|---|---|---|
| 802.11a_(6Mbps)_1TX | - | - | - | - | - | - | - |
| 5180MHz | Pass | 3.19 | 23.06 | 23.06 | 30.00 | 26.25 | 36.00 |
| 5200MHz | Pass | 3.19 | 22.87 | 22.87 | 30.00 | 26.06 | 36.00 |
| 5240MHz | Pass | 3.19 | 23.42 | 23.42 | 30.00 | 26.61 | 36.00 |
| 5745MHz | Pass | 3.19 | 24.43 | 24.43 | 30.00 | 27.62 | 36.00 |
| 5785MHz | Pass | 3.19 | 24.06 | 24.06 | 30.00 | 27.25 | 36.00 |
| 5825MHz | Pass | 3.19 | 23.76 | 23.76 | 30.00 | 26.95 | 36.00 |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - |
| 5180MHz | Pass | 3.19 | 24.23 | 24.23 | 30.00 | 27.42 | 36.00 |
| 5200MHz | Pass | 3.19 | 22.92 | 22.92 | 30.00 | 26.11 | 36.00 |
| 5240MHz | Pass | 3.19 | 23.44 | 23.44 | 30.00 | 26.63 | 36.00 |
| 5745MHz | Pass | 3.19 | 24.32 | 24.32 | 30.00 | 27.51 | 36.00 |
| 5785MHz | Pass | 3.19 | 23.82 | 23.82 | 30.00 | 27.01 | 36.00 |
| 5825MHz | Pass | 3.19 | 23.82 | 23.82 | 30.00 | 27.01 | 36.00 |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - |
| 5190MHz | Pass | 3.19 | 19.04 | 19.04 | 30.00 | 22.23 | 36.00 |
| 5230MHz | Pass | 3.19 | 23.20 | 23.20 | 30.00 | 26.39 | 36.00 |
| 5755MHz | Pass | 3.19 | 23.30 | 23.30 | 30.00 | 26.49 | 36.00 |
| 5795MHz | Pass | 3.19 | 23.98 | 23.98 | 30.00 | 27.17 | 36.00 |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - |
| 5210MHz | Pass | 3.19 | 22.82 | 22.82 | 30.00 | 26.01 | 36.00 |
| 5775MHz | Pass | 3.19 | 21.84 | 21.84 | 30.00 | 25.03 | 36.00 |

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

**Summary**

| Mode | PD (dBm/RBW) | EIRP PD (dBm/RBW) |
|---|---|---|
| 802.11a_(6Mbps)_1TX | - | - |
| 5.15-5.25GHz | 11.10 | 14.29 |
| 5.725-5.85GHz | 10.82 | 14.01 |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | - | - |
| 5.15-5.25GHz | 11.77 | 14.96 |
| 5.725-5.85GHz | 10.48 | 13.67 |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | - | - |
| 5.15-5.25GHz | 7.61 | 10.80 |
| 5.725-5.85GHz | 6.99 | 10.18 |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | - | - |
| 5.15-5.25GHz | 4.14 | 7.33 |
| 5.725-5.85GHz | 2.22 | 5.41 |

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

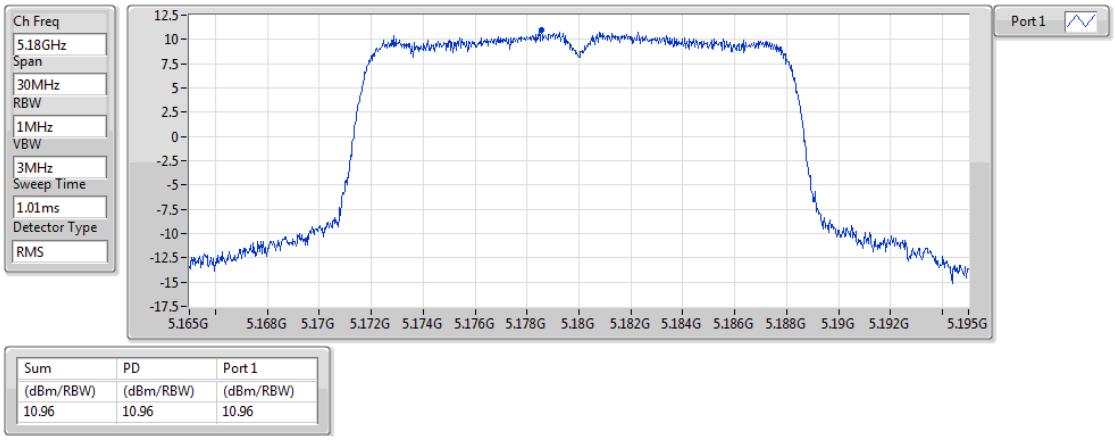
## Result

| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) | EIRP PD (dBm/RBW) | EIRP PD Limit (dBm/RBW) |
|---|---|---|---|---|---|---|---|
| 802.11a_(6Mbps)_1TX | - | - | - | - | - | - | - |
| 5180MHz | Pass | 3.19 | 10.96 | 10.96 | 17.00 | 14.15 | Inf |
| 5200MHz | Pass | 3.19 | 10.61 | 10.61 | 17.00 | 13.80 | Inf |
| 5240MHz | Pass | 3.19 | 11.10 | 11.10 | 17.00 | 14.29 | Inf |
| 5745MHz | Pass | 3.19 | 10.82 | 10.82 | 30.00 | 14.01 | Inf |
| 5785MHz | Pass | 3.19 | 10.40 | 10.40 | 30.00 | 13.59 | Inf |
| 5825MHz | Pass | 3.19 | 9.98 | 9.98 | 30.00 | 13.17 | Inf |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - |
| 5180MHz | Pass | 3.19 | 11.77 | 11.77 | 17.00 | 14.96 | Inf |
| 5200MHz | Pass | 3.19 | 10.48 | 10.48 | 17.00 | 13.67 | Inf |
| 5240MHz | Pass | 3.19 | 10.97 | 10.97 | 17.00 | 14.16 | Inf |
| 5745MHz | Pass | 3.19 | 10.48 | 10.48 | 30.00 | 13.67 | Inf |
| 5785MHz | Pass | 3.19 | 9.94 | 9.94 | 30.00 | 13.13 | Inf |
| 5825MHz | Pass | 3.19 | 9.47 | 9.47 | 30.00 | 12.66 | Inf |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - |
| 5190MHz | Pass | 3.19 | 3.50 | 3.50 | 17.00 | 6.69 | Inf |
| 5230MHz | Pass | 3.19 | 7.61 | 7.61 | 17.00 | 10.80 | Inf |
| 5755MHz | Pass | 3.19 | 6.05 | 6.05 | 30.00 | 9.24 | Inf |
| 5795MHz | Pass | 3.19 | 6.99 | 6.99 | 30.00 | 10.18 | Inf |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - |
| 5210MHz | Pass | 3.19 | 4.14 | 4.14 | 17.00 | 7.33 | Inf |
| 5775MHz | Pass | 3.19 | 2.22 | 2.22 | 30.00 | 5.41 | Inf |

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

**802.11a_(6Mbps)_1TX** **PSD**

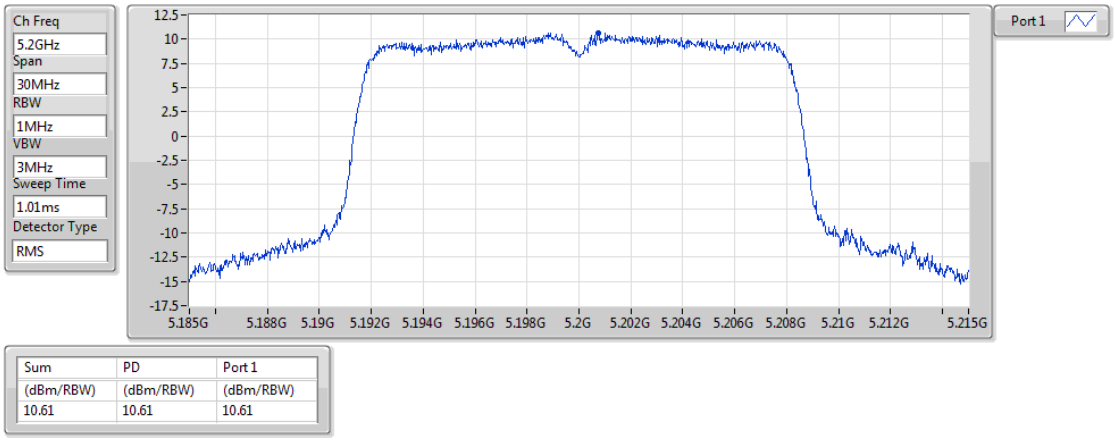
**5180MHz**




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.96 | 10.96 | 10.96 |

**802.11a_(6Mbps)_1TX** **PSD**

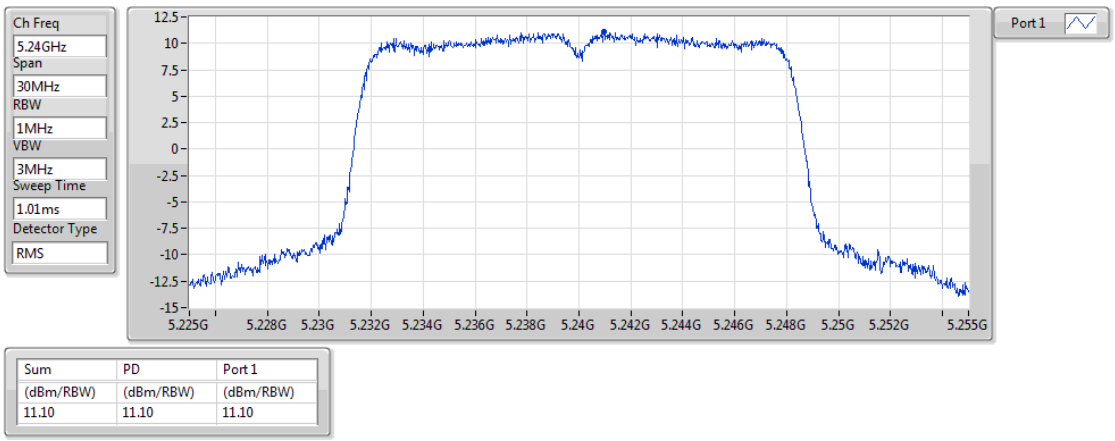
**5200MHz**




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.61 | 10.61 | 10.61 |

**802.11a_(6Mbps)_1TX** **PSD**

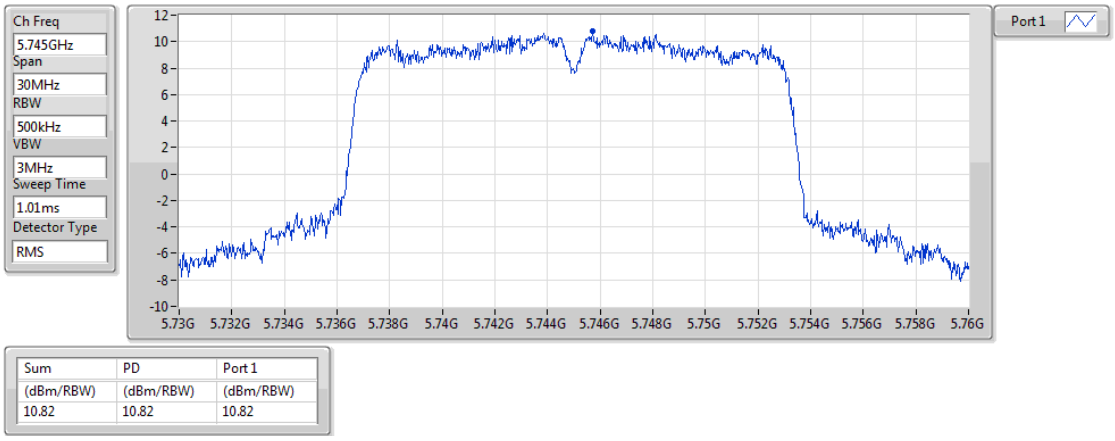
**5240MHz**




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.10 | 11.10 | 11.10 |

**802.11a_(6Mbps)_1TX** **PSD**

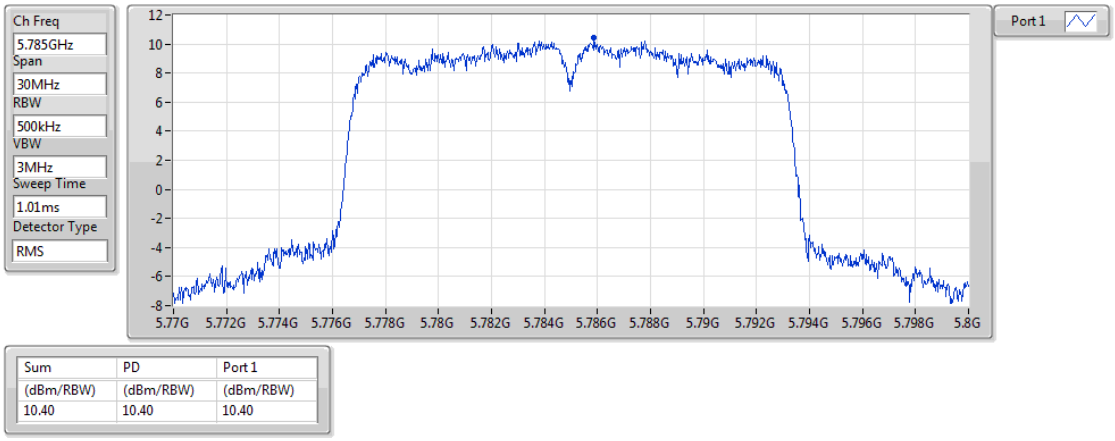
**5745MHz**




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.82 | 10.82 | 10.82 |

**802.11a_(6Mbps)_1TX** **PSD**

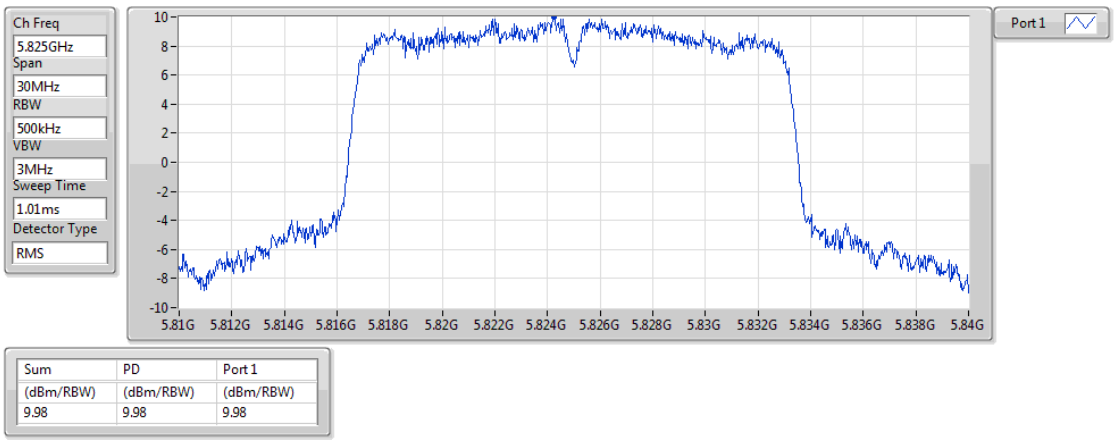
**5785MHz**




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

**802.11a_(6Mbps)_1TX** **PSD**

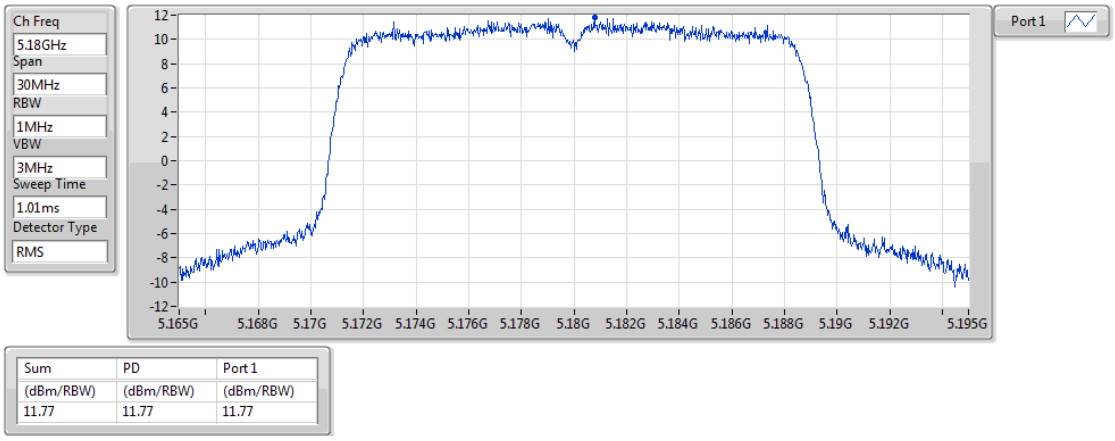
**5825MHz**




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.98 | 9.98 | 9.98 |

## 802.11ac VHT20_Nss1,(MCS0)_1TX PSD

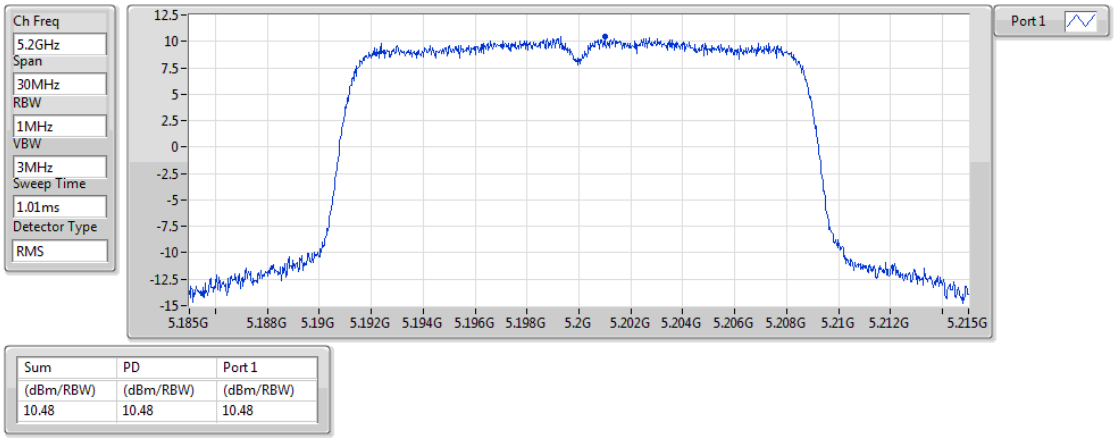
### 5180MHz




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 11.77 | 11.77 | 11.77 |

## 802.11ac VHT20_Nss1,(MCS0)_1TX PSD

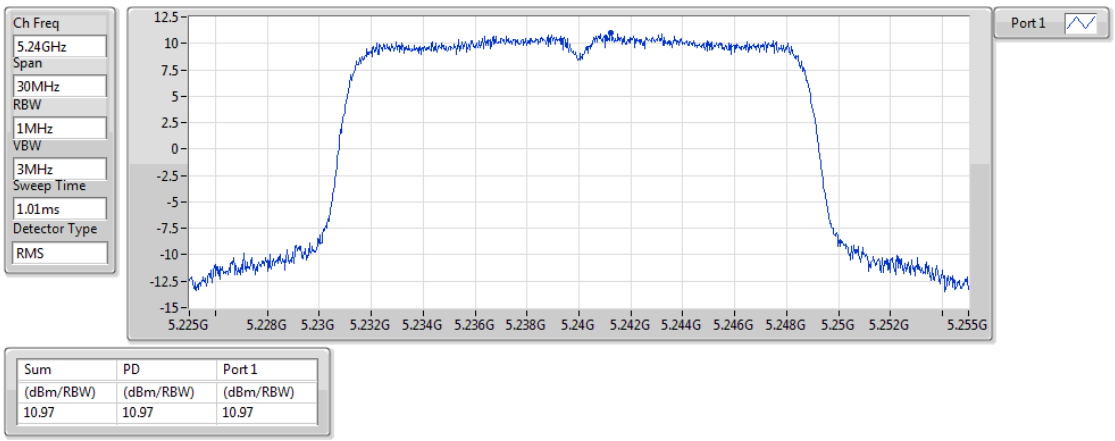
### 5200MHz




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.48 | 10.48 | 10.48 |

## 802.11ac VHT20_Nss1,(MCS0)_1TX PSD

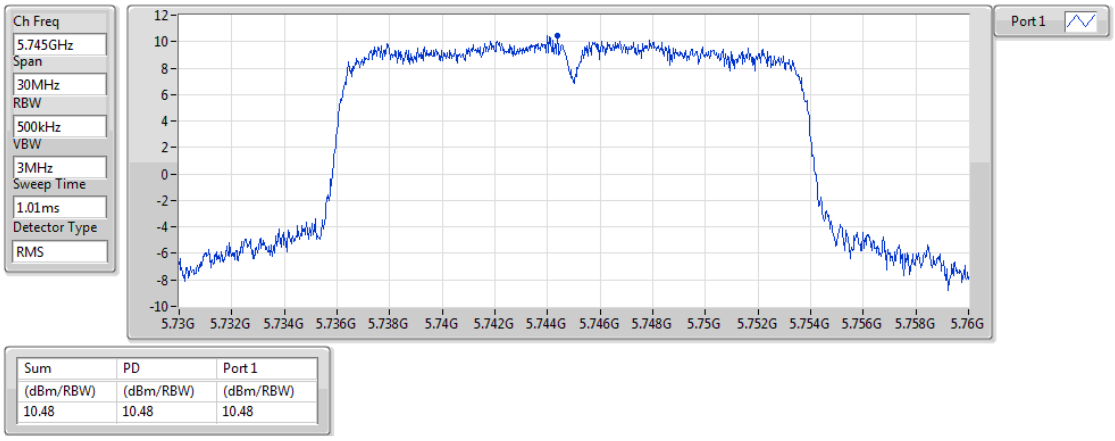
### 5240MHz




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

**802.11ac VHT20_Nss1,(MCS0)_1TX** **PSD**

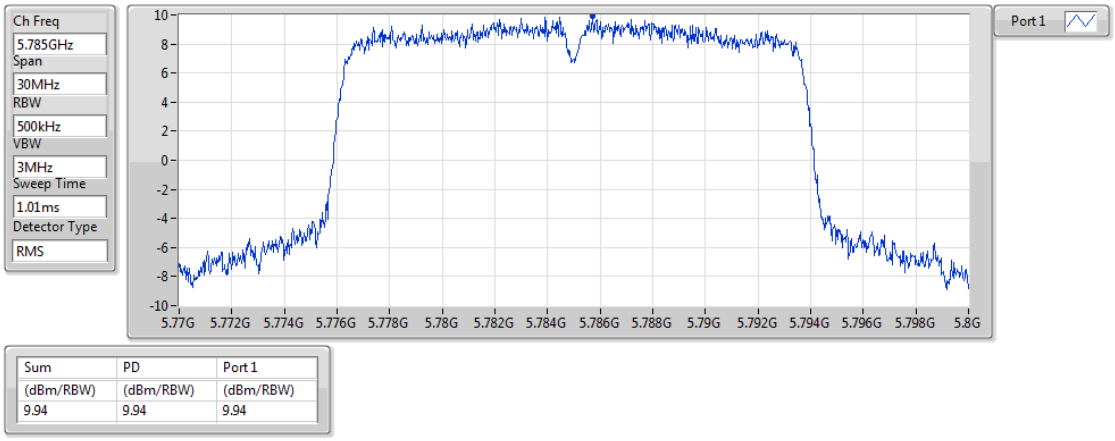
**5745MHz**




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 10.48 | 10.48 | 10.48 |

**802.11ac VHT20_Nss1,(MCS0)_1TX** **PSD**

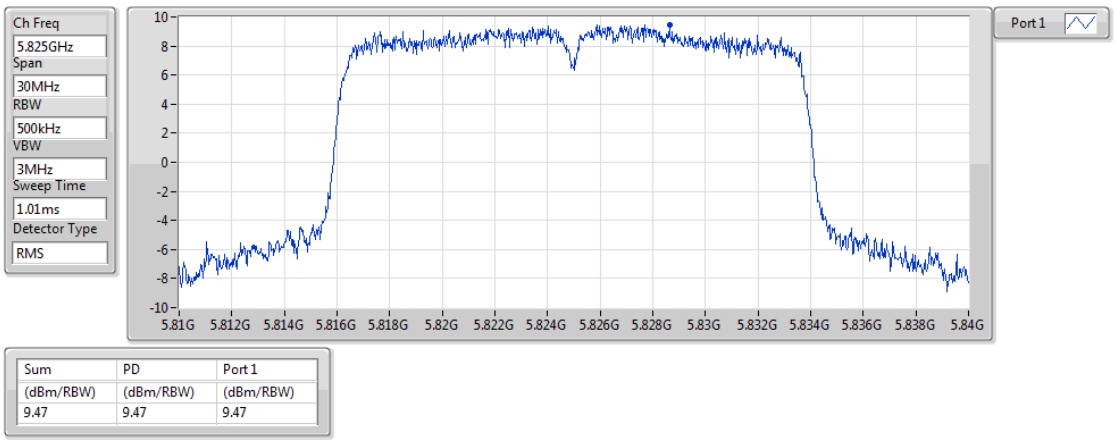
**5785MHz**




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.94 | 9.94 | 9.94 |

**802.11ac VHT20_Nss1,(MCS0)_1TX** **PSD**

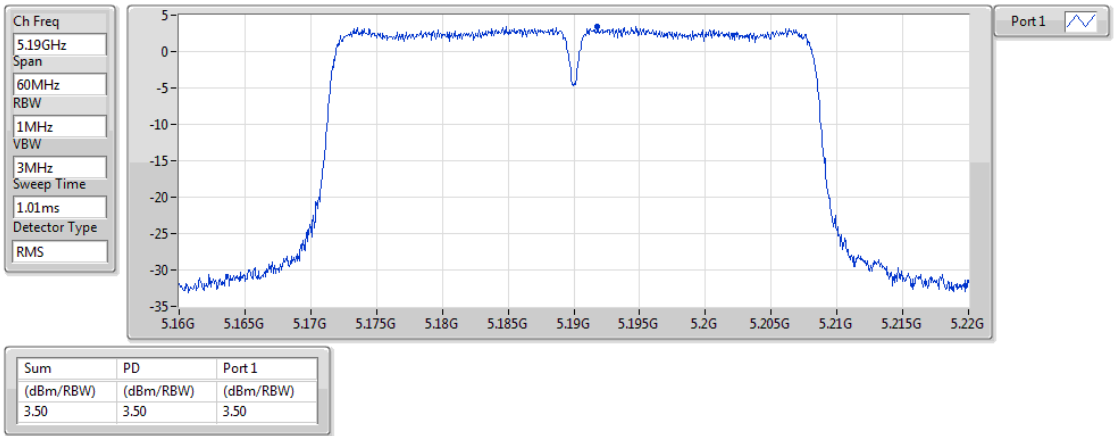
**5825MHz**




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 9.47 | 9.47 | 9.47 |

## 802.11ac VHT40_Nss1,(MCS0)_1TX PSD

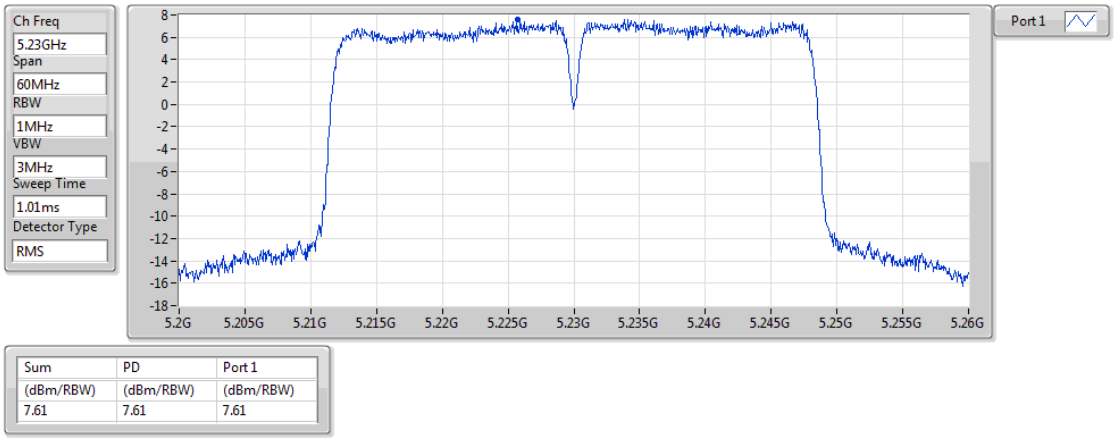
### 5190MHz




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

## 802.11ac VHT40_Nss1,(MCS0)_1TX PSD

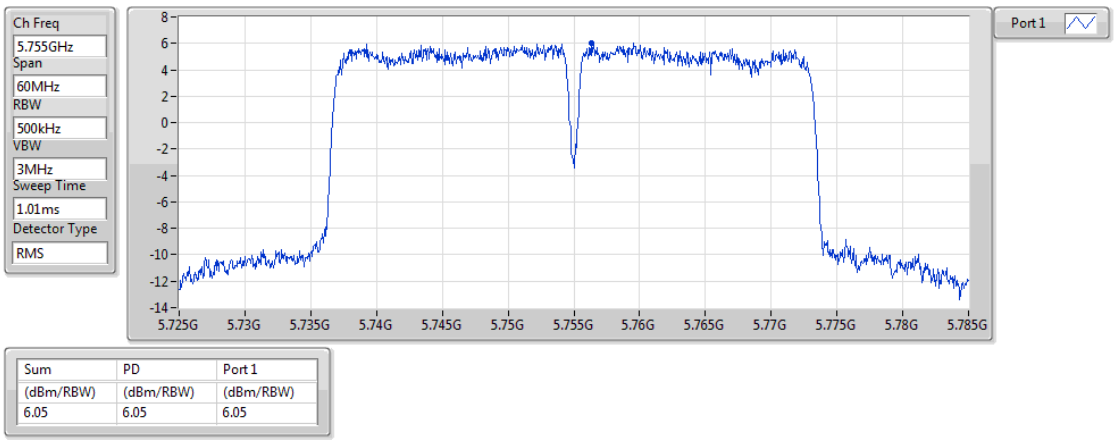
### 5230MHz




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.61 | 7.61 | 7.61 |

## 802.11ac VHT40_Nss1,(MCS0)_1TX PSD

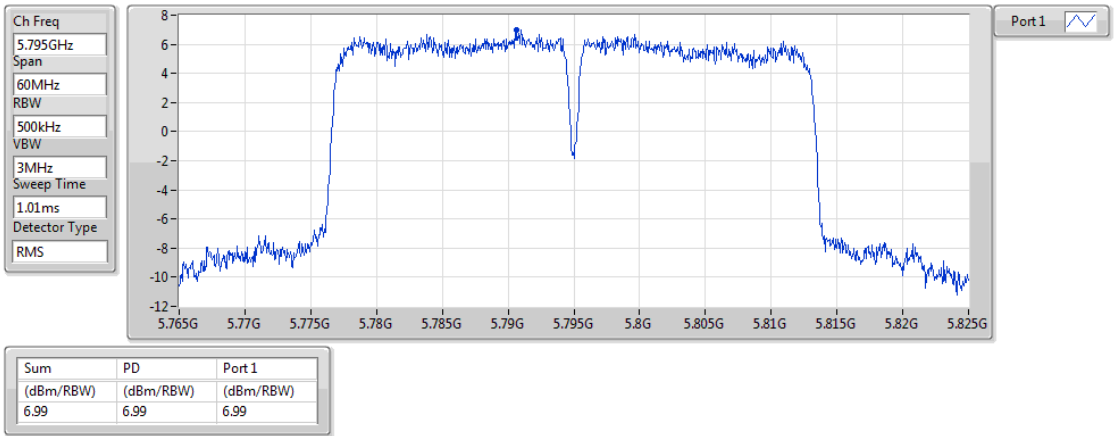
### 5755MHz




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.05 | 6.05 | 6.05 |

## 802.11ac VHT40_Nss1,(MCS0)_1TX PSD

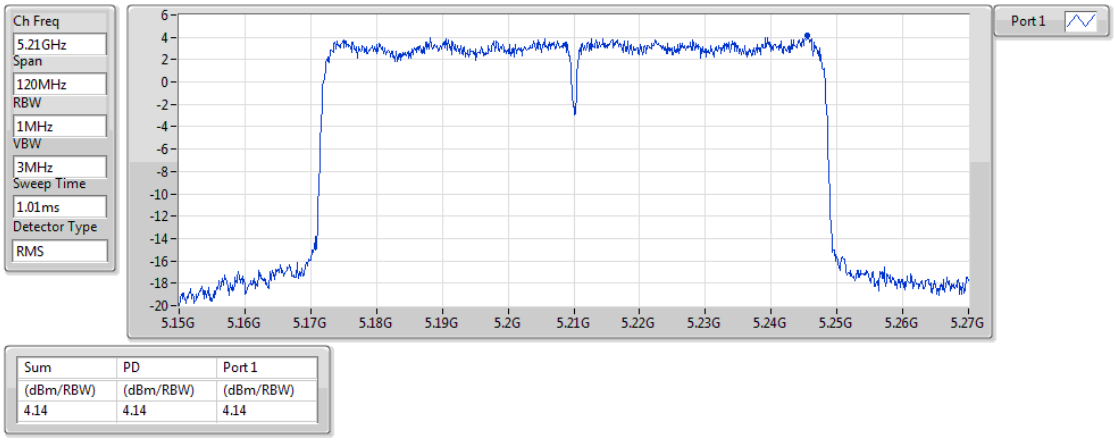
### 5795MHz




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.99 | 6.99 | 6.99 |

## 802.11ac VHT80_Nss1,(MCS0)_1TX PSD

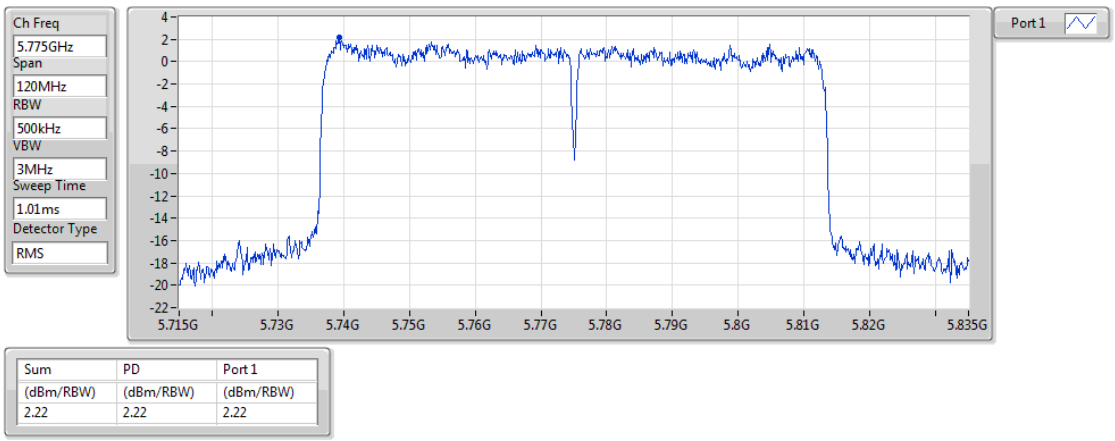
### 5210MHz




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 4.14 | 4.14 | 4.14 |

## 802.11ac VHT80_Nss1,(MCS0)_1TX PSD

### 5775MHz




| Sum | PD | Port 1 |
|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.22 | 2.22 | 2.22 |

**Summary**

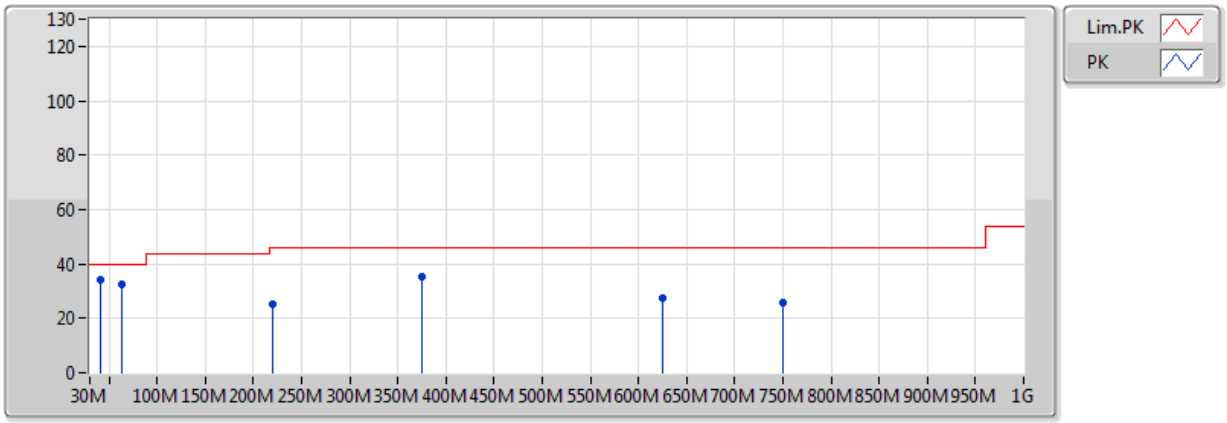
| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Pol. (H/V) | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ac VHT80_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5.725-5.85GHz | Pass | PK | 375.32M | 41.86 | 46.00 | -4.14 | -1.84 | 3 | H | 360 | 1.00 | - |

## Result

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Pol. (H/V) | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ac VHT80_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5775MHz | Pass | PK | 35.82M | 33.40 | 40.00 | -6.60 | -4.33 | 3 | H | 360 | 1.00 | - |
| 5775MHz | Pass | PK | 90.14M | 34.92 | 43.50 | -8.58 | -4.05 | 3 | H | 360 | 1.00 | - |
| 5775MHz | Pass | PK | 200.72M | 29.24 | 43.50 | -14.26 | -2.57 | 3 | H | 360 | 1.00 | - |
| 5775MHz | Pass | PK | 375.32M | 41.86 | 46.00 | -4.14 | -1.84 | 3 | H | 360 | 1.00 | - |
| 5775MHz | Pass | PK | 458.74M | 28.08 | 46.00 | -17.92 | -1.69 | 3 | H | 360 | 1.00 | - |
| 5775MHz | Pass | PK | 875.84M | 31.60 | 46.00 | -14.40 | 1.41 | 3 | H | 360 | 1.00 | - |
| 5775MHz | Pass | PK | 41.64M | 34.41 | 40.00 | -5.59 | -4.48 | 3 | V | 0 | 1.00 | - |
| 5775MHz | Pass | PK | 62.98M | 32.71 | 40.00 | -7.29 | -4.38 | 3 | V | 0 | 1.00 | - |
| 5775MHz | Pass | PK | 220.12M | 25.49 | 46.00 | -20.51 | -2.40 | 3 | V | 0 | 1.00 | - |
| 5775MHz | Pass | PK | 375.32M | 35.13 | 46.00 | -10.87 | -1.84 | 3 | V | 0 | 1.00 | - |
| 5775MHz | Pass | PK | 625.58M | 27.62 | 46.00 | -18.38 | -1.19 | 3 | V | 0 | 1.00 | - |
| 5775MHz | Pass | PK | 749.74M | 26.00 | 46.00 | -20.00 | -0.12 | 3 | V | 0 | 1.00 | - |

## 802.11ac VHT80_Nss1,(MCS0)_1TX

## 5775MHz_AC power Mode

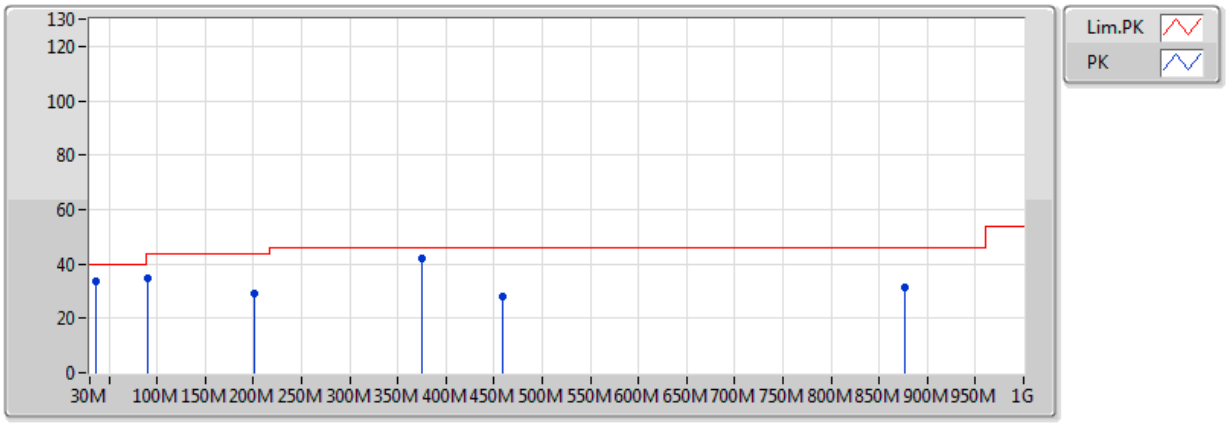



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| PK | 41.64M | 34.41 | 40.00 | -5.59 | -4.48 | 3 | V | 0 | 1.00 | - |
| PK | 62.98M | 32.71 | 40.00 | -7.29 | -4.38 | 3 | V | 0 | 1.00 | - |
| PK | 220.12M | 25.49 | 46.00 | -20.51 | -2.40 | 3 | V | 0 | 1.00 | - |
| PK | 375.32M | 35.13 | 46.00 | -10.87 | -1.84 | 3 | V | 0 | 1.00 | - |
| PK | 625.58M | 27.62 | 46.00 | -18.38 | -1.19 | 3 | V | 0 | 1.00 | - |
| PK | 749.74M | 26.00 | 46.00 | -20.00 | -0.12 | 3 | V | 0 | 1.00 | - |

## 802.11ac VHT80_Nss1,(MCS0)_1TX

## 5775MHz_AC power Mode




EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| PK | 35.82M | 33.40 | 40.00 | -6.60 | -4.33 | 3 | H | 360 | 1.00 | - |
| PK | 90.14M | 34.92 | 43.50 | -8.58 | -4.05 | 3 | H | 360 | 1.00 | - |
| PK | 200.72M | 29.24 | 43.50 | -14.26 | -2.57 | 3 | H | 360 | 1.00 | - |
| PK | 375.32M | 41.86 | 46.00 | -4.14 | -1.84 | 3 | H | 360 | 1.00 | - |
| PK | 458.74M | 28.08 | 46.00 | -17.92 | -1.69 | 3 | H | 360 | 1.00 | - |
| PK | 875.84M | 31.60 | 46.00 | -14.40 | 1.41 | 3 | H | 360 | 1.00 | - |

**Summary**

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Pol. (H/V) | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a_(6Mbps)_1TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5.15-5.25GHz | Pass | AV | 10.36G | 53.80 | 54.00 | -0.20 | 12.30 | 3 | H | 326 | 2.10 | - |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5.725-5.85GHz | Pass | AV | 17.475G | 53.76 | 54.00 | -0.24 | 19.68 | 3 | H | 337 | 1.58 | - |

## Result

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Pol. (H/V) | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a_(6Mbps)_1TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5180MHz | Pass | AV | 5.149995G | 53.11 | 54.00 | -0.89 | 2.69 | 3 | H | 324 | 1.94 | - |
| 5180MHz | Pass | AV | 5.179G | 99.23 | Inf | -Inf | 2.72 | 3 | H | 324 | 1.94 | - |
| 5180MHz | Pass | AV | 10.36G | 53.80 | 54.00 | -0.20 | 12.30 | 3 | H | 326 | 2.10 | - |
| 5180MHz | Pass | AV | 10.36G | 53.80 | 54.00 | -0.20 | 12.30 | 3 | H | 326 | 2.10 | - |
| 5180MHz | Pass | AV | 15.54G | 47.66 | 54.00 | -6.34 | 14.13 | 3 | H | 39 | 1.50 | - |
| 5180MHz | Pass | AV | 15.54G | 47.66 | 54.00 | -6.34 | 14.13 | 3 | H | 39 | 1.50 | - |
| 5180MHz | Pass | PK | 5.149995G | 70.57 | 74.00 | -3.43 | 2.69 | 3 | H | 324 | 1.94 | - |
| 5180MHz | Pass | PK | 5.1818G | 109.77 | Inf | -Inf | 2.73 | 3 | H | 324 | 1.94 | - |
| 5180MHz | Pass | PK | 10.36G | 67.75 | 74.00 | -6.25 | 12.30 | 3 | H | 326 | 2.10 | - |
| 5180MHz | Pass | PK | 10.36G | 67.75 | 74.00 | -6.25 | 12.30 | 3 | H | 326 | 2.10 | - |
| 5180MHz | Pass | PK | 15.54G | 62.75 | 74.00 | -11.25 | 14.13 | 3 | H | 39 | 1.50 | - |
| 5180MHz | Pass | PK | 15.54G | 62.75 | 74.00 | -11.25 | 14.13 | 3 | H | 39 | 1.50 | - |
| 5180MHz | Pass | AV | 5.149995G | 48.72 | 54.00 | -5.28 | 2.69 | 3 | V | 136 | 2.86 | - |
| 5180MHz | Pass | AV | 5.1812G | 95.97 | Inf | -Inf | 2.73 | 3 | V | 136 | 2.86 | - |
| 5180MHz | Pass | AV | 10.36G | 53.42 | 54.00 | -0.58 | 12.30 | 3 | V | 165 | 1.50 | - |
| 5180MHz | Pass | AV | 10.36G | 53.42 | 54.00 | -0.58 | 12.30 | 3 | V | 165 | 1.50 | - |
| 5180MHz | Pass | AV | 15.54G | 52.12 | 54.00 | -1.88 | 14.13 | 3 | V | 343 | 1.47 | - |
| 5180MHz | Pass | AV | 15.54G | 52.12 | 54.00 | -1.88 | 14.13 | 3 | V | 343 | 1.47 | - |
| 5180MHz | Pass | PK | 5.1488G | 69.20 | 74.00 | -4.80 | 2.69 | 3 | V | 136 | 2.86 | - |
| 5180MHz | Pass | PK | 5.1826G | 106.54 | Inf | -Inf | 2.73 | 3 | V | 136 | 2.86 | - |
| 5180MHz | Pass | PK | 10.36G | 67.37 | 74.00 | -6.63 | 12.30 | 3 | V | 165 | 1.50 | - |
| 5180MHz | Pass | PK | 10.36G | 67.37 | 74.00 | -6.63 | 12.30 | 3 | V | 165 | 1.50 | - |
| 5180MHz | Pass | PK | 15.54G | 66.93 | 74.00 | -7.07 | 14.13 | 3 | V | 343 | 1.47 | - |
| 5180MHz | Pass | PK | 15.54G | 66.93 | 74.00 | -7.07 | 14.13 | 3 | V | 343 | 1.47 | - |
| 5200MHz | Pass | AV | 5.148G | 47.67 | 54.00 | -6.33 | 2.69 | 3 | H | 47 | 2.12 | - |
| 5200MHz | Pass | AV | 5.2024G | 102.41 | Inf | -Inf | 2.75 | 3 | H | 47 | 2.12 | - |
| 5200MHz | Pass | AV | 10.4G | 53.35 | 54.00 | -0.65 | 12.40 | 3 | H | 330 | 1.68 | - |
| 5200MHz | Pass | AV | 15.6G | 48.72 | 54.00 | -5.28 | 13.86 | 3 | H | 147 | 1.98 | - |
| 5200MHz | Pass | PK | 5.1444G | 62.37 | 74.00 | -11.63 | 2.68 | 3 | H | 47 | 2.12 | - |
| 5200MHz | Pass | PK | 5.2032G | 112.28 | Inf | -Inf | 2.75 | 3 | H | 47 | 2.12 | - |
| 5200MHz | Pass | PK | 10.4G | 67.89 | 74.00 | -6.11 | 12.40 | 3 | H | 330 | 1.68 | - |
| 5200MHz | Pass | PK | 15.6G | 62.82 | 74.00 | -11.18 | 13.86 | 3 | H | 147 | 1.98 | - |
| 5200MHz | Pass | AV | 5.1476G | 43.90 | 54.00 | -10.10 | 2.69 | 3 | V | 140 | 1.50 | - |
| 5200MHz | Pass | AV | 5.1988G | 94.23 | Inf | -Inf | 2.75 | 3 | V | 140 | 1.50 | - |
| 5200MHz | Pass | AV | 10.4G | 53.31 | 54.00 | -0.69 | 12.40 | 3 | V | 228 | 1.55 | - |
| 5200MHz | Pass | AV | 15.6G | 52.72 | 54.00 | -1.28 | 13.86 | 3 | V | 345 | 1.43 | - |
| 5200MHz | Pass | PK | 5.1428G | 56.82 | 74.00 | -17.18 | 2.68 | 3 | V | 140 | 1.50 | - |
| 5200MHz | Pass | PK | 5.198G | 103.85 | Inf | -Inf | 2.75 | 3 | V | 140 | 1.50 | - |
| 5200MHz | Pass | PK | 10.4G | 67.20 | 74.00 | -6.80 | 12.40 | 3 | V | 228 | 1.55 | - |
| 5200MHz | Pass | PK | 15.6G | 67.12 | 74.00 | -6.88 | 13.86 | 3 | V | 345 | 1.43 | - |
| 5240MHz | Pass | AV | 5.1404G | 44.75 | 54.00 | -9.25 | 2.68 | 3 | H | 3 | 1.54 | - |
| 5240MHz | Pass | AV | 5.2412G | 102.97 | Inf | -Inf | 2.79 | 3 | H | 3 | 1.54 | - |
| 5240MHz | Pass | AV | 5.3834G | 44.96 | 54.00 | -9.04 | 2.95 | 3 | H | 3 | 1.54 | - |
| 5240MHz | Pass | AV | 10.48G | 52.61 | 54.00 | -1.39 | 10.46 | 3 | H | 328 | 1.68 | - |
| 5240MHz | Pass | AV | 15.72G | 49.36 | 54.00 | -4.64 | 15.52 | 3 | H | 161 | 1.98 | - |
| 5240MHz | Pass | PK | 5.1488G | 57.01 | 74.00 | -16.99 | 2.69 | 3 | H | 3 | 1.54 | - |
| 5240MHz | Pass | PK | 5.243G | 112.66 | Inf | -Inf | 2.79 | 3 | H | 3 | 1.54 | - |

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Pol. (H/V) | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5240MHz | Pass | PK | 5.3684G | 57.53 | 74.00 | -16.47 | 2.93 | 3 | H | 3 | 1.54 | - |
| 5240MHz | Pass | PK | 10.48G | 65.96 | 74.00 | -8.04 | 10.46 | 3 | H | 328 | 1.68 | - |
| 5240MHz | Pass | PK | 15.72G | 63.59 | 74.00 | -10.41 | 15.52 | 3 | H | 161 | 1.98 | - |
| 5240MHz | Pass | AV | 5.123G | 44.05 | 54.00 | -9.95 | 2.66 | 3 | V | 14 | 1.62 | - |
| 5240MHz | Pass | AV | 5.2412G | 100.16 | Inf | -Inf | 2.79 | 3 | V | 14 | 1.62 | - |
| 5240MHz | Pass | AV | 5.3756G | 43.78 | 54.00 | -10.22 | 2.94 | 3 | V | 14 | 1.62 | - |
| 5240MHz | Pass | AV | 10.48G | 51.68 | 54.00 | -2.32 | 10.46 | 3 | V | 228 | 1.54 | - |
| 5240MHz | Pass | AV | 15.72G | 53.14 | 54.00 | -0.86 | 15.52 | 3 | V | 344 | 1.41 | - |
| 5240MHz | Pass | PK | 5.1266G | 56.07 | 74.00 | -17.93 | 2.66 | 3 | V | 14 | 1.62 | - |
| 5240MHz | Pass | PK | 5.243G | 109.70 | Inf | -Inf | 2.79 | 3 | V | 14 | 1.62 | - |
| 5240MHz | Pass | PK | 5.3756G | 56.43 | 74.00 | -17.57 | 2.94 | 3 | V | 14 | 1.62 | - |
| 5240MHz | Pass | PK | 10.48G | 64.95 | 74.00 | -9.05 | 10.46 | 3 | V | 228 | 1.54 | - |
| 5240MHz | Pass | PK | 15.72G | 67.52 | 74.00 | -6.48 | 15.52 | 3 | V | 344 | 1.41 | - |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5180MHz | Pass | AV | 5.149995G | 53.10 | 54.00 | -0.90 | 2.69 | 3 | H | 50 | 1.87 | - |
| 5180MHz | Pass | AV | 5.183G | 100.69 | Inf | -Inf | 2.73 | 3 | H | 50 | 1.87 | - |
| 5180MHz | Pass | AV | 10.36G | 49.96 | 54.00 | -4.04 | 12.30 | 3 | H | 331 | 1.61 | - |
| 5180MHz | Pass | AV | 15.54G | 47.96 | 54.00 | -6.04 | 14.13 | 3 | H | 64 | 1.67 | - |
| 5180MHz | Pass | PK | 5.1474G | 68.67 | 74.00 | -5.33 | 2.69 | 3 | H | 50 | 1.87 | - |
| 5180MHz | Pass | PK | 5.179G | 110.66 | Inf | -Inf | 2.72 | 3 | H | 50 | 1.87 | - |
| 5180MHz | Pass | PK | 10.36G | 66.01 | 74.00 | -7.99 | 12.30 | 3 | H | 331 | 1.61 | - |
| 5180MHz | Pass | PK | 15.54G | 62.20 | 74.00 | -11.80 | 14.13 | 3 | H | 64 | 1.67 | - |
| 5180MHz | Pass | AV | 5.149995G | 49.22 | 54.00 | -4.78 | 2.69 | 3 | V | 138 | 3.49 | - |
| 5180MHz | Pass | AV | 5.183G | 98.79 | Inf | -Inf | 2.73 | 3 | V | 138 | 3.49 | - |
| 5180MHz | Pass | AV | 10.36G | 49.62 | 54.00 | -4.38 | 12.30 | 3 | V | 228 | 1.50 | - |
| 5180MHz | Pass | AV | 15.54G | 48.48 | 54.00 | -5.52 | 14.13 | 3 | V | 345 | 1.42 | - |
| 5180MHz | Pass | PK | 5.149995G | 64.54 | 74.00 | -9.46 | 2.69 | 3 | V | 138 | 3.49 | - |
| 5180MHz | Pass | PK | 5.183G | 108.49 | Inf | -Inf | 2.73 | 3 | V | 138 | 3.49 | - |
| 5180MHz | Pass | PK | 10.36G | 65.28 | 74.00 | -8.72 | 12.30 | 3 | V | 228 | 1.50 | - |
| 5180MHz | Pass | PK | 15.54G | 63.12 | 74.00 | -10.88 | 14.13 | 3 | V | 345 | 1.42 | - |
| 5200MHz | Pass | AV | 5.1484G | 47.65 | 54.00 | -6.35 | 2.69 | 3 | H | 53 | 2.12 | - |
| 5200MHz | Pass | AV | 5.2032G | 102.19 | Inf | -Inf | 2.75 | 3 | H | 53 | 2.12 | - |
| 5200MHz | Pass | AV | 10.4G | 53.40 | 54.00 | -0.60 | 12.40 | 3 | H | 325 | 1.75 | - |
| 5200MHz | Pass | AV | 15.6G | 48.38 | 54.00 | -5.62 | 13.86 | 3 | H | 160 | 2.28 | - |
| 5200MHz | Pass | PK | 5.1488G | 63.64 | 74.00 | -10.36 | 2.69 | 3 | H | 53 | 2.12 | - |
| 5200MHz | Pass | PK | 5.2004G | 112.14 | Inf | -Inf | 2.75 | 3 | H | 53 | 2.12 | - |
| 5200MHz | Pass | PK | 10.4G | 69.33 | 74.00 | -4.67 | 12.40 | 3 | H | 325 | 1.75 | - |
| 5200MHz | Pass | PK | 15.6G | 62.99 | 74.00 | -11.01 | 13.86 | 3 | H | 160 | 2.28 | - |
| 5200MHz | Pass | AV | 5.148G | 44.27 | 54.00 | -9.73 | 2.69 | 3 | V | 145 | 3.65 | - |
| 5200MHz | Pass | AV | 5.2032G | 97.24 | Inf | -Inf | 2.75 | 3 | V | 145 | 3.65 | - |
| 5200MHz | Pass | AV | 10.4G | 53.54 | 54.00 | -0.46 | 12.40 | 3 | V | 165 | 1.60 | - |
| 5200MHz | Pass | AV | 15.6G | 46.98 | 54.00 | -7.02 | 13.86 | 3 | V | 341 | 1.48 | - |
| 5200MHz | Pass | PK | 5.1448G | 58.23 | 74.00 | -15.77 | 2.68 | 3 | V | 145 | 3.65 | - |
| 5200MHz | Pass | PK | 5.2016G | 106.90 | Inf | -Inf | 2.75 | 3 | V | 145 | 3.65 | - |
| 5200MHz | Pass | PK | 10.4G | 69.40 | 74.00 | -4.60 | 12.40 | 3 | V | 165 | 1.60 | - |
| 5200MHz | Pass | PK | 15.6G | 61.33 | 74.00 | -12.67 | 13.86 | 3 | V | 341 | 1.48 | - |
| 5240MHz | Pass | AV | 5.0954G | 43.92 | 54.00 | -10.08 | 2.62 | 3 | H | 329 | 2.93 | - |
| 5240MHz | Pass | AV | 5.243G | 100.78 | Inf | -Inf | 2.79 | 3 | H | 329 | 2.93 | - |
| 5240MHz | Pass | AV | 5.372G | 44.23 | 54.00 | -9.77 | 2.94 | 3 | H | 329 | 2.93 | - |

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Pol. (H/V) | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5240MHz | Pass | AV | 10.48G | 53.26 | 54.00 | -0.74 | 12.60 | 3 | H | 327 | 1.75 | - |
| 5240MHz | Pass | AV | 15.72G | 45.79 | 54.00 | -8.21 | 13.31 | 3 | H | 38 | 1.50 | - |
| 5240MHz | Pass | PK | 5.093G | 56.09 | 74.00 | -17.91 | 2.62 | 3 | H | 329 | 2.93 | - |
| 5240MHz | Pass | PK | 5.243G | 110.57 | Inf | -Inf | 2.79 | 3 | H | 329 | 2.93 | - |
| 5240MHz | Pass | PK | 5.3894G | 56.59 | 74.00 | -17.41 | 2.96 | 3 | H | 329 | 2.93 | - |
| 5240MHz | Pass | PK | 10.48G | 69.01 | 74.00 | -4.99 | 12.60 | 3 | H | 327 | 1.75 | - |
| 5240MHz | Pass | PK | 15.72G | 60.45 | 74.00 | -13.55 | 13.31 | 3 | H | 38 | 1.50 | - |
| 5240MHz | Pass | AV | 5.093G | 43.07 | 54.00 | -10.93 | 2.62 | 3 | V | 131 | 1.01 | - |
| 5240MHz | Pass | AV | 5.243G | 97.45 | Inf | -Inf | 2.79 | 3 | V | 131 | 1.01 | - |
| 5240MHz | Pass | AV | 5.3756G | 43.11 | 54.00 | -10.89 | 2.94 | 3 | V | 131 | 1.01 | - |
| 5240MHz | Pass | AV | 10.48G | 52.29 | 54.00 | -1.71 | 12.60 | 3 | V | 165 | 1.47 | - |
| 5240MHz | Pass | AV | 15.72G | 51.19 | 54.00 | -2.81 | 13.31 | 3 | V | 341 | 1.46 | - |
| 5240MHz | Pass | PK | 5.1416G | 55.89 | 74.00 | -18.11 | 2.68 | 3 | V | 131 | 1.01 | - |
| 5240MHz | Pass | PK | 5.2388G | 107.51 | Inf | -Inf | 2.79 | 3 | V | 131 | 1.01 | - |
| 5240MHz | Pass | PK | 5.375G | 55.85 | 74.00 | -18.15 | 2.94 | 3 | V | 131 | 1.01 | - |
| 5240MHz | Pass | PK | 10.48G | 67.56 | 74.00 | -6.44 | 12.60 | 3 | V | 165 | 1.47 | - |
| 5240MHz | Pass | PK | 15.72G | 66.42 | 74.00 | -7.58 | 13.31 | 3 | V | 341 | 1.46 | - |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5190MHz | Pass | AV | 5.149995G | 52.23 | 54.00 | -1.77 | 2.69 | 3 | H | 58 | 3.12 | - |
| 5190MHz | Pass | AV | 5.1916G | 93.87 | Inf | -Inf | 2.74 | 3 | H | 58 | 3.12 | - |
| 5190MHz | Pass | PK | 5.149995G | 68.29 | 74.00 | -5.71 | 2.69 | 3 | H | 58 | 3.12 | - |
| 5190MHz | Pass | PK | 5.1876G | 103.76 | Inf | -Inf | 2.74 | 3 | H | 58 | 3.12 | - |
| 5190MHz | Pass | AV | 5.149995G | 49.01 | 54.00 | -4.99 | 2.69 | 3 | V | 133 | 1.08 | - |
| 5190MHz | Pass | AV | 5.1916G | 89.51 | Inf | -Inf | 2.74 | 3 | V | 133 | 1.08 | - |
| 5190MHz | Pass | PK | 5.149995G | 65.76 | 74.00 | -8.24 | 2.69 | 3 | V | 133 | 1.08 | - |
| 5190MHz | Pass | PK | 5.1876G | 99.43 | Inf | -Inf | 2.74 | 3 | V | 133 | 1.08 | - |
| 5190MHz | Pass | AV | 15.57G | 45.77 | 54.00 | -8.23 | 14.00 | 3 | H | 19 | 1.07 | - |
| 5190MHz | Pass | PK | 15.57G | 59.16 | 74.00 | -14.84 | 14.00 | 3 | H | 19 | 1.07 | - |
| 5190MHz | Pass | AV | 15.57G | 46.41 | 54.00 | -7.59 | 14.00 | 3 | V | 341 | 1.50 | - |
| 5190MHz | Pass | PK | 15.57G | 60.13 | 74.00 | -13.87 | 14.00 | 3 | V | 341 | 1.50 | - |
| 5230MHz | Pass | AV | 5.1472G | 42.91 | 54.00 | -11.09 | 2.69 | 3 | H | 332 | 2.24 | - |
| 5230MHz | Pass | AV | 5.2316G | 93.61 | Inf | -Inf | 2.78 | 3 | H | 332 | 2.24 | - |
| 5230MHz | Pass | AV | 15.69G | 45.34 | 54.00 | -8.66 | 13.45 | 3 | H | 39 | 1.50 | - |
| 5230MHz | Pass | PK | 5.1464G | 55.41 | 74.00 | -18.59 | 2.69 | 3 | H | 332 | 2.24 | - |
| 5230MHz | Pass | PK | 5.228G | 103.90 | Inf | -Inf | 2.78 | 3 | H | 332 | 2.24 | - |
| 5230MHz | Pass | PK | 15.69G | 58.43 | 74.00 | -15.57 | 13.45 | 3 | H | 39 | 1.50 | - |
| 5230MHz | Pass | AV | 5.148G | 41.79 | 54.00 | -12.21 | 2.69 | 3 | V | 148 | 2.97 | - |
| 5230MHz | Pass | AV | 5.2356G | 91.42 | Inf | -Inf | 2.79 | 3 | V | 148 | 2.97 | - |
| 5230MHz | Pass | AV | 15.69G | 49.81 | 54.00 | -4.19 | 13.45 | 3 | V | 343 | 1.49 | - |
| 5230MHz | Pass | PK | 5.1456G | 54.34 | 74.00 | -19.66 | 2.68 | 3 | V | 148 | 2.97 | - |
| 5230MHz | Pass | PK | 5.2404G | 101.68 | Inf | -Inf | 2.79 | 3 | V | 148 | 2.97 | - |
| 5230MHz | Pass | PK | 15.69G | 63.15 | 74.00 | -10.85 | 13.45 | 3 | V | 343 | 1.49 | - |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5210MHz | Pass | AV | 5.149995G | 53.71 | 54.00 | -0.29 | 2.69 | 3 | H | 326 | 2.00 | - |
| 5210MHz | Pass | AV | 5.246G | 88.97 | Inf | -Inf | 2.80 | 3 | H | 326 | 2.00 | - |
| 5210MHz | Pass | AV | 5.419G | 43.17 | 54.00 | -10.83 | 2.99 | 3 | H | 326 | 2.00 | - |
| 5210MHz | Pass | AV | 15.63G | 44.60 | 54.00 | -9.40 | 13.72 | 3 | H | 39 | 1.50 | - |
| 5210MHz | Pass | PK | 5.144G | 67.44 | 74.00 | -6.56 | 2.68 | 3 | H | 326 | 2.00 | - |
| 5210MHz | Pass | PK | 5.215G | 98.54 | Inf | -Inf | 2.77 | 3 | H | 326 | 2.00 | - |

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Pol. (H/V) | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5210MHz | Pass | PK | 5.431G | 55.77 | 74.00 | -18.23 | 3.00 | 3 | H | 326 | 2.00 | - |
| 5210MHz | Pass | PK | 15.63G | 57.93 | 74.00 | -16.07 | 13.72 | 3 | H | 39 | 1.50 | - |
| 5210MHz | Pass | AV | 5.149995G | 51.23 | 54.00 | -2.77 | 2.69 | 3 | V | 144 | 2.94 | - |
| 5210MHz | Pass | AV | 5.245G | 86.12 | Inf | -Inf | 2.80 | 3 | V | 144 | 2.94 | - |
| 5210MHz | Pass | AV | 5.415G | 42.42 | 54.00 | -11.58 | 2.99 | 3 | V | 144 | 2.94 | - |
| 5210MHz | Pass | AV | 15.63G | 47.33 | 54.00 | -6.67 | 13.72 | 3 | V | 343 | 1.50 | - |
| 5210MHz | Pass | PK | 5.148G | 64.45 | 74.00 | -9.55 | 2.69 | 3 | V | 144 | 2.94 | - |
| 5210MHz | Pass | PK | 5.24G | 96.08 | Inf | -Inf | 2.79 | 3 | V | 144 | 2.94 | - |
| 5210MHz | Pass | PK | 5.416G | 54.80 | 74.00 | -19.20 | 2.99 | 3 | V | 144 | 2.94 | - |
| 5210MHz | Pass | PK | 15.63G | 61.20 | 74.00 | -12.80 | 13.72 | 3 | V | 343 | 1.50 | - |
| 802.11a_(6Mbps)_1TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5745MHz | Pass | AV | 5.7462G | 98.34 | Inf | -Inf | 3.54 | 3 | H | 329 | 2.57 | - |
| 5745MHz | Pass | AV | 11.49G | 49.21 | 54.00 | -4.79 | 13.26 | 3 | H | 329 | 2.57 | - |
| 5745MHz | Pass | AV | 17.235G | 49.54 | 54.00 | -4.46 | 18.10 | 3 | H | 46 | 1.48 | - |
| 5745MHz | Pass | PK | 5.6478G | 55.90 | 68.20 | -12.30 | 3.36 | 3 | H | 329 | 2.57 | - |
| 5745MHz | Pass | PK | 5.7438G | 108.39 | Inf | -Inf | 3.54 | 3 | H | 329 | 2.57 | - |
| 5745MHz | Pass | PK | 5.9694G | 55.16 | 68.20 | -13.04 | 3.96 | 3 | H | 329 | 2.57 | - |
| 5745MHz | Pass | PK | 11.49G | 61.05 | 74.00 | -12.95 | 13.26 | 3 | H | 329 | 2.57 | - |
| 5745MHz | Pass | PK | 17.235G | 64.98 | 74.00 | -9.02 | 18.10 | 3 | H | 46 | 1.48 | - |
| 5745MHz | Pass | AV | 5.7462G | 96.83 | Inf | -Inf | 3.54 | 3 | V | 172 | 2.91 | - |
| 5745MHz | Pass | AV | 11.49G | 51.18 | 54.00 | -2.82 | 13.26 | 3 | V | 94 | 2.12 | - |
| 5745MHz | Pass | AV | 17.235G | 53.58 | 54.00 | -0.42 | 18.10 | 3 | V | 92 | 1.60 | - |
| 5745MHz | Pass | PK | 5.583G | 56.44 | 68.20 | -11.76 | 3.24 | 3 | V | 172 | 2.91 | - |
| 5745MHz | Pass | PK | 5.7438G | 107.00 | Inf | -Inf | 3.54 | 3 | V | 172 | 2.91 | - |
| 5745MHz | Pass | PK | 5.9766G | 55.41 | 68.20 | -12.79 | 3.98 | 3 | V | 172 | 2.91 | - |
| 5745MHz | Pass | PK | 11.49G | 62.86 | 74.00 | -11.14 | 13.26 | 3 | V | 94 | 2.12 | - |
| 5745MHz | Pass | PK | 17.235G | 67.60 | 74.00 | -6.40 | 18.10 | 3 | V | 92 | 1.60 | - |
| 5785MHz | Pass | AV | 5.7838G | 98.83 | Inf | -Inf | 3.62 | 3 | H | 323 | 2.18 | - |
| 5785MHz | Pass | AV | 11.57G | 49.37 | 54.00 | -4.63 | 13.16 | 3 | H | 331 | 1.61 | - |
| 5785MHz | Pass | AV | 17.355G | 50.98 | 54.00 | -3.02 | 18.89 | 3 | H | 338 | 1.60 | - |
| 5785MHz | Pass | PK | 5.6314G | 56.97 | 68.20 | -11.23 | 3.33 | 3 | H | 323 | 2.18 | - |
| 5785MHz | Pass | PK | 5.7838G | 108.92 | Inf | -Inf | 3.62 | 3 | H | 323 | 2.18 | - |
| 5785MHz | Pass | PK | 5.989G | 54.99 | 68.20 | -13.21 | 4.00 | 3 | H | 323 | 2.18 | - |
| 5785MHz | Pass | PK | 11.57G | 61.24 | 74.00 | -12.76 | 13.16 | 3 | H | 331 | 1.61 | - |
| 5785MHz | Pass | PK | 17.355G | 64.79 | 74.00 | -9.21 | 18.89 | 3 | H | 338 | 1.60 | - |
| 5785MHz | Pass | AV | 5.7838G | 99.11 | Inf | -Inf | 3.62 | 3 | V | 226 | 3.55 | - |
| 5785MHz | Pass | AV | 11.57G | 50.84 | 54.00 | -3.16 | 13.16 | 3 | V | 92 | 2.19 | - |
| 5785MHz | Pass | AV | 17.355G | 53.65 | 54.00 | -0.35 | 18.89 | 3 | V | 0 | 1.54 | - |
| 5785MHz | Pass | PK | 5.5474G | 56.27 | 68.20 | -11.93 | 3.17 | 3 | V | 226 | 3.55 | - |
| 5785MHz | Pass | PK | 5.7838G | 108.86 | Inf | -Inf | 3.62 | 3 | V | 226 | 3.55 | - |
| 5785MHz | Pass | PK | 5.9242G | 55.76 | 68.79 | -13.03 | 3.88 | 3 | V | 226 | 3.55 | - |
| 5785MHz | Pass | PK | 11.57G | 62.45 | 74.00 | -11.55 | 13.16 | 3 | V | 92 | 2.19 | - |
| 5785MHz | Pass | PK | 17.355G | 66.92 | 74.00 | -7.08 | 18.89 | 3 | V | 0 | 1.54 | - |
| 5825MHz | Pass | AV | 5.8238G | 100.99 | Inf | -Inf | 3.69 | 3 | H | 67 | 2.79 | - |
| 5825MHz | Pass | AV | 11.65G | 47.89 | 54.00 | -6.11 | 13.05 | 3 | H | 331 | 1.60 | - |
| 5825MHz | Pass | AV | 17.475G | 52.10 | 54.00 | -1.90 | 19.68 | 3 | H | 337 | 1.63 | - |
| 5825MHz | Pass | PK | 5.621G | 57.08 | 68.20 | -11.12 | 3.31 | 3 | H | 67 | 2.79 | - |
| 5825MHz | Pass | PK | 5.8238G | 110.93 | Inf | -Inf | 3.69 | 3 | H | 67 | 2.79 | - |
| 5825MHz | Pass | PK | 5.9534G | 55.93 | 68.20 | -12.27 | 3.93 | 3 | H | 67 | 2.79 | - |

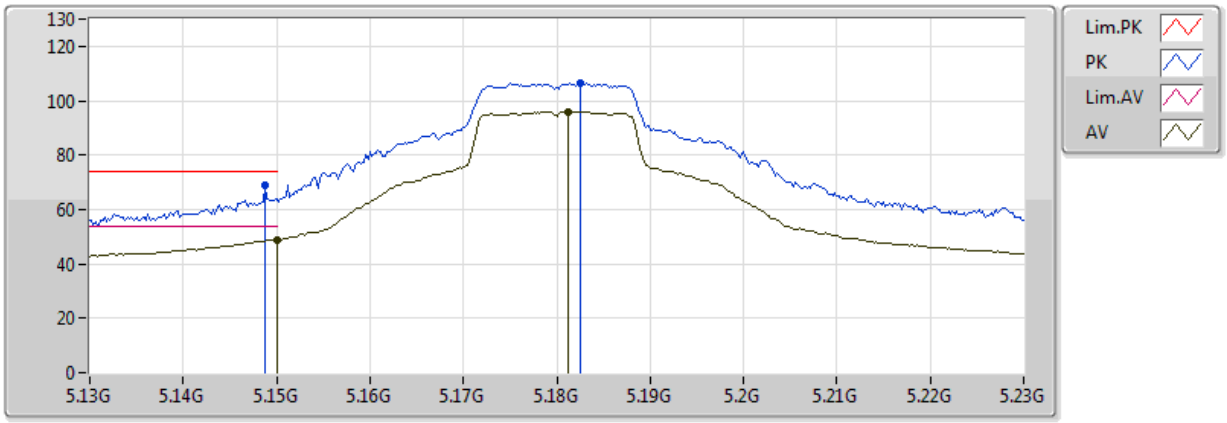
| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Pol. (H/V) | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5825MHz | Pass | PK | 11.65G | 59.15 | 74.00 | -14.85 | 13.05 | 3 | H | 331 | 1.60 | - |
| 5825MHz | Pass | PK | 17.475G | 66.15 | 74.00 | -7.85 | 19.68 | 3 | H | 337 | 1.63 | - |
| 5825MHz | Pass | AV | 5.8238G | 95.85 | Inf | -Inf | 3.69 | 3 | V | 147 | 2.40 | - |
| 5825MHz | Pass | AV | 11.65G | 51.11 | 54.00 | -2.89 | 13.05 | 3 | V | 94 | 2.25 | - |
| 5825MHz | Pass | AV | 17.475G | 53.25 | 54.00 | -0.75 | 19.68 | 3 | V | 27 | 1.54 | - |
| 5825MHz | Pass | PK | 5.6426G | 55.81 | 68.20 | -12.39 | 3.35 | 3 | V | 147 | 2.40 | - |
| 5825MHz | Pass | PK | 5.8238G | 105.84 | Inf | -Inf | 3.69 | 3 | V | 147 | 2.40 | - |
| 5825MHz | Pass | PK | 5.939G | 54.56 | 68.20 | -13.64 | 3.90 | 3 | V | 147 | 2.40 | - |
| 5825MHz | Pass | PK | 11.65G | 62.19 | 74.00 | -11.81 | 13.05 | 3 | V | 94 | 2.25 | - |
| 5825MHz | Pass | PK | 17.475G | 67.77 | 74.00 | -6.23 | 19.68 | 3 | V | 27 | 1.54 | - |
| 802.11ac VHT20_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5745MHz | Pass | AV | 5.7462G | 103.63 | Inf | -Inf | 3.54 | 3 | H | 61 | 2.87 | - |
| 5745MHz | Pass | AV | 11.49G | 47.25 | 54.00 | -6.75 | 13.26 | 3 | H | 330 | 1.70 | - |
| 5745MHz | Pass | AV | 17.235G | 49.77 | 54.00 | -4.23 | 18.10 | 3 | H | 46 | 1.35 | - |
| 5745MHz | Pass | PK | 5.649G | 61.00 | 68.20 | -7.20 | 3.36 | 3 | H | 61 | 2.87 | - |
| 5745MHz | Pass | PK | 5.7414G | 114.31 | Inf | -Inf | 3.53 | 3 | H | 61 | 2.87 | - |
| 5745MHz | Pass | PK | 5.955G | 56.36 | 68.20 | -11.84 | 3.93 | 3 | H | 61 | 2.87 | - |
| 5745MHz | Pass | PK | 11.49G | 60.66 | 74.00 | -13.34 | 13.26 | 3 | H | 330 | 1.70 | - |
| 5745MHz | Pass | PK | 17.235G | 64.49 | 74.00 | -9.51 | 18.10 | 3 | H | 46 | 1.35 | - |
| 5745MHz | Pass | AV | 5.7474G | 99.33 | Inf | -Inf | 3.54 | 3 | V | 154 | 3.18 | - |
| 5745MHz | Pass | AV | 11.49G | 50.37 | 54.00 | -3.63 | 13.26 | 3 | V | 93 | 2.24 | - |
| 5745MHz | Pass | AV | 17.235G | 51.44 | 54.00 | -2.56 | 18.10 | 3 | V | 93 | 2.24 | - |
| 5745MHz | Pass | PK | 5.6478G | 57.49 | 68.20 | -10.71 | 3.36 | 3 | V | 154 | 3.18 | - |
| 5745MHz | Pass | PK | 5.7414G | 109.66 | Inf | -Inf | 3.53 | 3 | V | 154 | 3.18 | - |
| 5745MHz | Pass | PK | 5.9682G | 55.13 | 68.20 | -13.07 | 3.96 | 3 | V | 154 | 3.18 | - |
| 5745MHz | Pass | PK | 11.49G | 63.81 | 74.00 | -10.19 | 13.26 | 3 | V | 93 | 2.24 | - |
| 5745MHz | Pass | PK | 17.235G | 65.30 | 74.00 | -8.70 | 18.10 | 3 | V | 93 | 2.24 | - |
| 5785MHz | Pass | AV | 5.7814G | 100.32 | Inf | -Inf | 3.61 | 3 | H | 318 | 2.16 | - |
| 5785MHz | Pass | AV | 11.57G | 48.08 | 54.00 | -5.92 | 13.16 | 3 | H | 329 | 1.67 | - |
| 5785MHz | Pass | AV | 17.355G | 51.75 | 54.00 | -2.25 | 18.89 | 3 | H | 338 | 1.56 | - |
| 5785MHz | Pass | PK | 5.5726G | 57.47 | 68.20 | -10.73 | 3.22 | 3 | H | 318 | 2.16 | - |
| 5785MHz | Pass | PK | 5.7862G | 110.28 | Inf | -Inf | 3.62 | 3 | H | 318 | 2.16 | - |
| 5785MHz | Pass | PK | 5.9266G | 55.18 | 68.20 | -13.02 | 3.88 | 3 | H | 318 | 2.16 | - |
| 5785MHz | Pass | PK | 11.57G | 61.81 | 74.00 | -12.19 | 13.16 | 3 | H | 329 | 1.67 | - |
| 5785MHz | Pass | PK | 17.355G | 65.55 | 74.00 | -8.45 | 18.89 | 3 | H | 338 | 1.56 | - |
| 5785MHz | Pass | AV | 5.7826G | 101.40 | Inf | -Inf | 3.62 | 3 | V | 224 | 3.56 | - |
| 5785MHz | Pass | AV | 11.57G | 50.17 | 54.00 | -3.83 | 13.16 | 3 | V | 281 | 2.16 | - |
| 5785MHz | Pass | AV | 17.355G | 53.50 | 54.00 | -0.50 | 18.89 | 3 | V | 93 | 1.55 | - |
| 5785MHz | Pass | PK | 5.6242G | 56.87 | 68.20 | -11.33 | 3.31 | 3 | V | 224 | 3.56 | - |
| 5785MHz | Pass | PK | 5.7814G | 111.95 | Inf | -Inf | 3.61 | 3 | V | 224 | 3.56 | - |
| 5785MHz | Pass | PK | 5.9278G | 56.13 | 68.20 | -12.07 | 3.88 | 3 | V | 224 | 3.56 | - |
| 5785MHz | Pass | PK | 11.57G | 64.01 | 74.00 | -9.99 | 13.16 | 3 | V | 281 | 2.16 | - |
| 5785MHz | Pass | PK | 17.355G | 68.69 | 74.00 | -5.31 | 18.89 | 3 | V | 93 | 1.55 | - |
| 5825MHz | Pass | AV | 5.8226G | 102.36 | Inf | -Inf | 3.69 | 3 | H | 66 | 2.81 | - |
| 5825MHz | Pass | AV | 11.65G | 50.84 | 54.00 | -3.16 | 13.05 | 3 | H | 329 | 1.58 | - |
| 5825MHz | Pass | AV | 17.475G | 53.76 | 54.00 | -0.24 | 19.68 | 3 | H | 337 | 1.58 | - |
| 5825MHz | Pass | PK | 5.5658G | 57.53 | 68.20 | -10.67 | 3.21 | 3 | H | 66 | 2.81 | - |
| 5825MHz | Pass | PK | 5.8226G | 112.30 | Inf | -Inf | 3.69 | 3 | H | 66 | 2.81 | - |
| 5825MHz | Pass | PK | 5.9366G | 58.49 | 68.20 | -9.71 | 3.90 | 3 | H | 66 | 2.81 | - |

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Pol. (H/V) | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5825MHz | Pass | PK | 11.65G | 64.15 | 74.00 | -9.85 | 13.05 | 3 | H | 329 | 1.58 | - |
| 5825MHz | Pass | PK | 17.475G | 69.77 | 74.00 | -4.23 | 19.68 | 3 | H | 337 | 1.58 | - |
| 5825MHz | Pass | AV | 5.8274G | 98.05 | Inf | -Inf | 3.70 | 3 | V | 154 | 3.25 | - |
| 5825MHz | Pass | AV | 11.65G | 53.61 | 54.00 | -0.39 | 13.05 | 3 | V | 93 | 2.11 | - |
| 5825MHz | Pass | AV | 17.475G | 53.15 | 54.00 | -0.85 | 19.68 | 3 | V | 27 | 1.59 | - |
| 5825MHz | Pass | PK | 5.5466G | 56.56 | 68.20 | -11.64 | 3.17 | 3 | V | 154 | 3.25 | - |
| 5825MHz | Pass | PK | 5.8238G | 108.39 | Inf | -Inf | 3.69 | 3 | V | 154 | 3.25 | - |
| 5825MHz | Pass | PK | 5.9606G | 56.05 | 68.20 | -12.15 | 3.95 | 3 | V | 154 | 3.25 | - |
| 5825MHz | Pass | PK | 11.65G | 68.02 | 74.00 | -5.98 | 13.05 | 3 | V | 93 | 2.11 | - |
| 5825MHz | Pass | PK | 17.475G | 71.02 | 74.00 | -2.98 | 19.68 | 3 | V | 27 | 1.59 | - |
| 802.11ac VHT40_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5755MHz | Pass | AV | 5.7394G | 100.51 | Inf | -Inf | 3.53 | 3 | H | 67 | 3.01 | - |
| 5755MHz | Pass | AV | 11.51G | 46.04 | 54.00 | -7.96 | 13.23 | 3 | H | 326 | 2.17 | - |
| 5755MHz | Pass | AV | 17.265G | 49.64 | 54.00 | -4.36 | 18.29 | 3 | H | 46 | 1.35 | - |
| 5755MHz | Pass | PK | 5.6434G | 67.85 | 68.20 | -0.35 | 3.35 | 3 | H | 67 | 3.01 | - |
| 5755MHz | Pass | PK | 5.7382G | 110.69 | Inf | -Inf | 3.53 | 3 | H | 67 | 3.01 | - |
| 5755MHz | Pass | PK | 5.9266G | 57.28 | 68.20 | -10.92 | 3.88 | 3 | H | 67 | 3.01 | - |
| 5755MHz | Pass | PK | 11.51G | 59.34 | 74.00 | -14.66 | 13.23 | 3 | H | 326 | 2.17 | - |
| 5755MHz | Pass | PK | 17.265G | 63.24 | 74.00 | -10.76 | 18.29 | 3 | H | 46 | 1.35 | - |
| 5755MHz | Pass | AV | 5.749G | 95.84 | Inf | -Inf | 3.55 | 3 | V | 183 | 2.79 | - |
| 5755MHz | Pass | AV | 11.51G | 48.27 | 54.00 | -5.73 | 13.23 | 3 | V | 90 | 2.25 | - |
| 5755MHz | Pass | AV | 17.265G | 52.84 | 54.00 | -1.16 | 18.29 | 3 | V | 92 | 1.63 | - |
| 5755MHz | Pass | PK | 5.6434G | 62.58 | 68.20 | -5.62 | 3.35 | 3 | V | 183 | 2.79 | - |
| 5755MHz | Pass | PK | 5.7538G | 106.40 | Inf | -Inf | 3.56 | 3 | V | 183 | 2.79 | - |
| 5755MHz | Pass | PK | 5.9278G | 58.30 | 68.20 | -9.90 | 3.88 | 3 | V | 183 | 2.79 | - |
| 5755MHz | Pass | PK | 11.51G | 59.91 | 74.00 | -14.09 | 13.23 | 3 | V | 90 | 2.25 | - |
| 5755MHz | Pass | PK | 17.265G | 66.38 | 74.00 | -7.62 | 18.29 | 3 | V | 92 | 1.63 | - |
| 5795MHz | Pass | AV | 5.7962G | 99.86 | Inf | -Inf | 3.64 | 3 | H | 67 | 3.09 | - |
| 5795MHz | Pass | AV | 11.59G | 46.38 | 54.00 | -7.62 | 13.13 | 3 | H | 323 | 2.12 | - |
| 5795MHz | Pass | AV | 17.385G | 50.21 | 54.00 | -3.79 | 19.08 | 3 | H | 337 | 1.59 | - |
| 5795MHz | Pass | PK | 5.6414G | 62.09 | 68.20 | -6.11 | 3.34 | 3 | H | 67 | 3.09 | - |
| 5795MHz | Pass | PK | 5.7986G | 110.39 | Inf | -Inf | 3.65 | 3 | H | 67 | 3.09 | - |
| 5795MHz | Pass | PK | 5.9282G | 62.00 | 68.20 | -6.20 | 3.88 | 3 | H | 67 | 3.09 | - |
| 5795MHz | Pass | PK | 11.59G | 59.21 | 74.00 | -14.79 | 13.13 | 3 | H | 323 | 2.12 | - |
| 5795MHz | Pass | PK | 17.385G | 64.73 | 74.00 | -9.27 | 19.08 | 3 | H | 337 | 1.59 | - |
| 5795MHz | Pass | AV | 5.7962G | 95.99 | Inf | -Inf | 3.64 | 3 | V | 190 | 2.64 | - |
| 5795MHz | Pass | AV | 11.59G | 49.19 | 54.00 | -4.81 | 13.13 | 3 | V | 91 | 2.13 | - |
| 5795MHz | Pass | AV | 17.385G | 51.93 | 54.00 | -2.07 | 19.08 | 3 | V | 0 | 1.53 | - |
| 5795MHz | Pass | PK | 5.6426G | 59.60 | 68.20 | -8.60 | 3.35 | 3 | V | 190 | 2.64 | - |
| 5795MHz | Pass | PK | 5.7962G | 106.37 | Inf | -Inf | 3.64 | 3 | V | 190 | 2.64 | - |
| 5795MHz | Pass | PK | 5.9342G | 60.13 | 68.20 | -8.07 | 3.89 | 3 | V | 190 | 2.64 | - |
| 5795MHz | Pass | PK | 11.59G | 61.96 | 74.00 | -12.04 | 13.13 | 3 | V | 91 | 2.13 | - |
| 5795MHz | Pass | PK | 17.385G | 65.29 | 74.00 | -8.71 | 19.08 | 3 | V | 0 | 1.53 | - |
| 802.11ac VHT80_Nss1,(MCS0)_1TX | - | - | - | - | - | - | - | - | - | - | - | - |
| 5775MHz | Pass | AV | 5.739G | 92.99 | Inf | -Inf | 3.53 | 3 | H | 317 | 2.11 | - |
| 5775MHz | Pass | AV | 11.55G | 43.84 | 54.00 | -10.16 | 13.18 | 3 | H | 328 | 1.79 | - |
| 5775MHz | Pass | PK | 5.6478G | 67.83 | 68.20 | -0.37 | 3.36 | 3 | H | 317 | 2.11 | - |
| 5775MHz | Pass | PK | 5.739G | 102.92 | Inf | -Inf | 3.53 | 3 | H | 317 | 2.11 | - |
| 5775MHz | Pass | PK | 5.9286G | 62.10 | 68.20 | -6.10 | 3.88 | 3 | H | 317 | 2.11 | - |

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Pol. (H/V) | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5775MHz | Pass | PK | 11.55G | 56.71 | 74.00 | -17.29 | 13.18 | 3 | H | 328 | 1.79 | - |
| 5775MHz | Pass | AV | 5.739G | 85.11 | Inf | -Inf | 3.53 | 3 | V | 171 | 1.50 | - |
| 5775MHz | Pass | AV | 11.55G | 44.97 | 54.00 | -9.03 | 13.18 | 3 | V | 279 | 1.67 | - |
| 5775MHz | Pass | PK | 5.649G | 60.24 | 68.20 | -7.96 | 3.36 | 3 | V | 171 | 1.50 | - |
| 5775MHz | Pass | PK | 5.7618G | 94.67 | Inf | -Inf | 3.57 | 3 | V | 171 | 1.50 | - |
| 5775MHz | Pass | PK | 5.9514G | 56.77 | 68.20 | -11.43 | 3.93 | 3 | V | 171 | 1.50 | - |
| 5775MHz | Pass | PK | 11.55G | 59.11 | 74.00 | -14.89 | 13.18 | 3 | V | 279 | 1.67 | - |

## 802.11a_(6Mbps)_1TX

## 5180MHz_TX

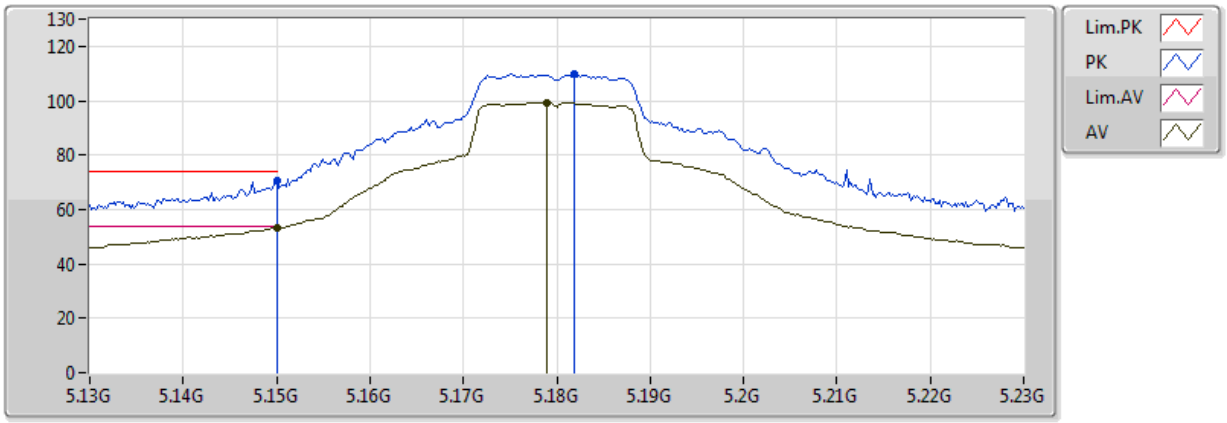



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.1812G | 95.97 | Inf | -Inf | 2.73 | 3 | V | 136 | 2.86 | - |
| AV | 5.149995G | 48.72 | 54.00 | -5.28 | 2.69 | 3 | V | 136 | 2.86 | - |
| PK | 5.1826G | 106.54 | Inf | -Inf | 2.73 | 3 | V | 136 | 2.86 | - |
| PK | 5.1488G | 69.20 | 74.00 | -4.80 | 2.69 | 3 | V | 136 | 2.86 | - |

## 802.11a_(6Mbps)_1TX

## 5180MHz_TX

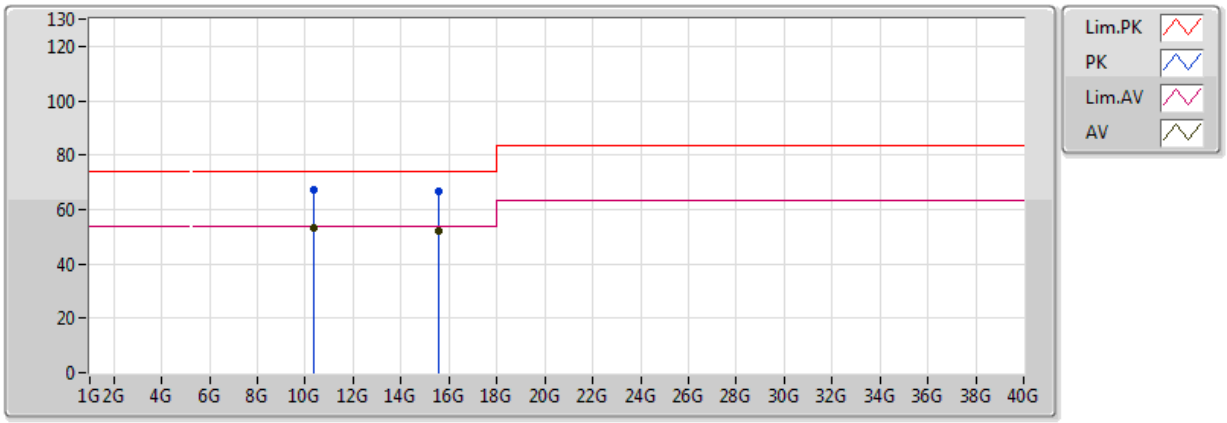



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.179G | 99.23 | Inf | -Inf | 2.72 | 3 | H | 324 | 1.94 | - |
| AV | 5.149995G | 53.11 | 54.00 | -0.89 | 2.69 | 3 | H | 324 | 1.94 | - |
| PK | 5.1818G | 109.77 | Inf | -Inf | 2.73 | 3 | H | 324 | 1.94 | - |
| PK | 5.149995G | 70.57 | 74.00 | -3.43 | 2.69 | 3 | H | 324 | 1.94 | - |

## 802.11a_(6Mbps)_1TX

## 5180MHz_TX

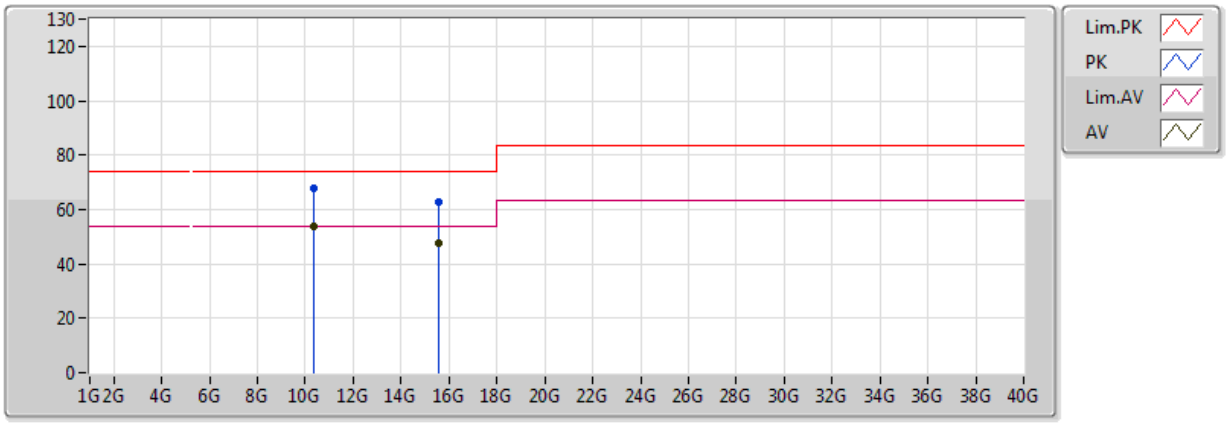



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 10.36G | 53.42 | 54.00 | -0.58 | 12.30 | 3 | V | 165 | 1.50 | - |
| AV | 15.54G | 52.12 | 54.00 | -1.88 | 14.13 | 3 | V | 343 | 1.47 | - |
| PK | 10.36G | 67.37 | 74.00 | -6.63 | 12.30 | 3 | V | 165 | 1.50 | - |
| PK | 15.54G | 66.93 | 74.00 | -7.07 | 14.13 | 3 | V | 343 | 1.47 | - |

## 802.11a_(6Mbps)_1TX

## 5180MHz_TX

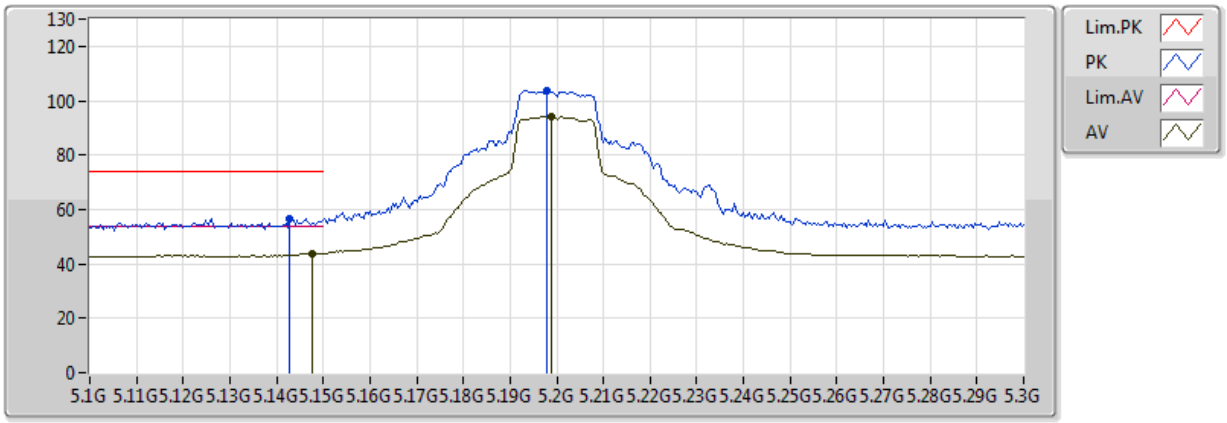



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 10.36G | 53.80 | 54.00 | -0.20 | 12.30 | 3 | H | 326 | 2.10 | - |
| AV | 15.54G | 47.66 | 54.00 | -6.34 | 14.13 | 3 | H | 39 | 1.50 | - |
| PK | 10.36G | 67.75 | 74.00 | -6.25 | 12.30 | 3 | H | 326 | 2.10 | - |
| PK | 15.54G | 62.75 | 74.00 | -11.25 | 14.13 | 3 | H | 39 | 1.50 | - |

## 802.11a_(6Mbps)_1TX

## 5200MHz_TX

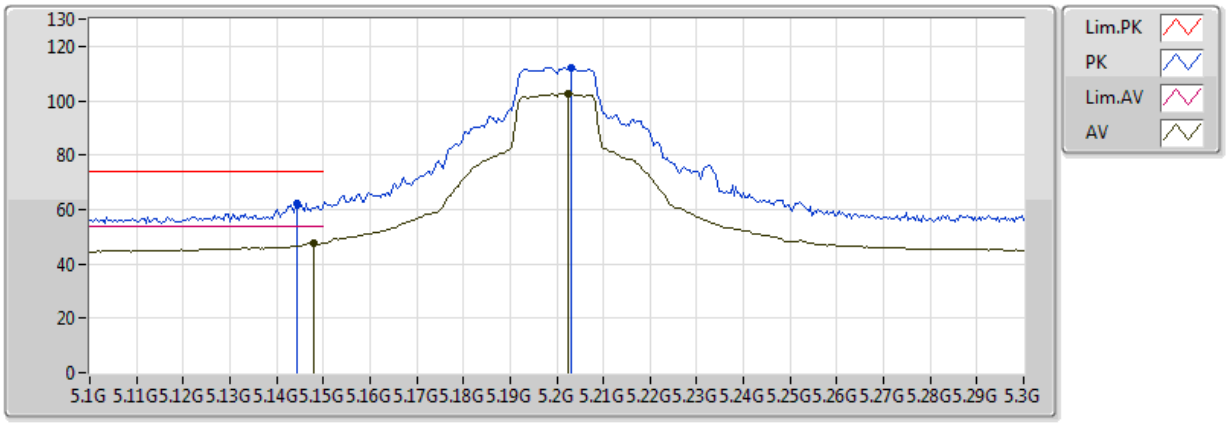



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.1476G | 43.90 | 54.00 | -10.10 | 2.69 | 3 | V | 140 | 1.50 | - |
| AV | 5.1988G | 94.23 | Inf | -Inf | 2.75 | 3 | V | 140 | 1.50 | - |
| PK | 5.1428G | 56.82 | 74.00 | -17.18 | 2.68 | 3 | V | 140 | 1.50 | - |
| PK | 5.198G | 103.85 | Inf | -Inf | 2.75 | 3 | V | 140 | 1.50 | - |

## 802.11a_(6Mbps)_1TX

## 5200MHz_TX

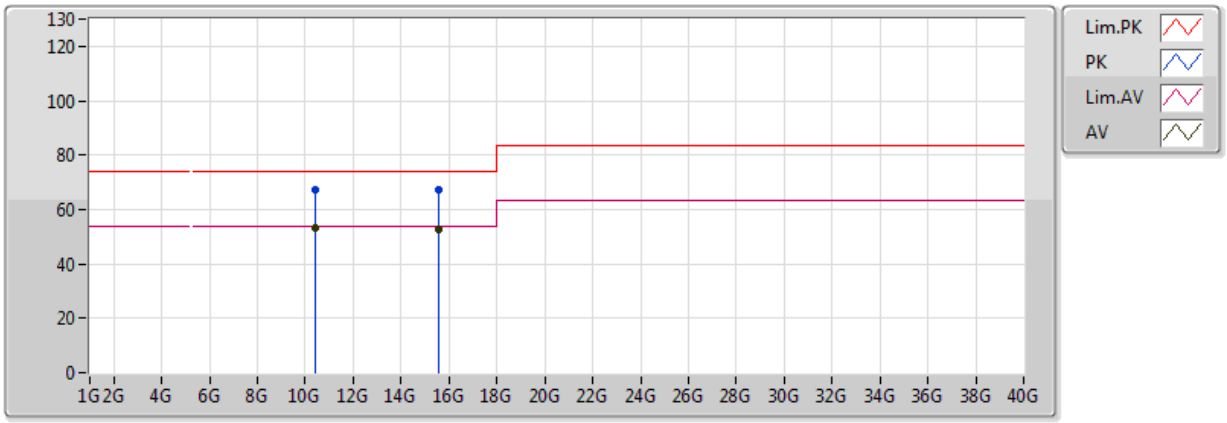



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.148G | 47.67 | 54.00 | -6.33 | 2.69 | 3 | H | 47 | 2.12 | - |
| AV | 5.2024G | 102.41 | Inf | -Inf | 2.75 | 3 | H | 47 | 2.12 | - |
| PK | 5.1444G | 62.37 | 74.00 | -11.63 | 2.68 | 3 | H | 47 | 2.12 | - |
| PK | 5.2032G | 112.28 | Inf | -Inf | 2.75 | 3 | H | 47 | 2.12 | - |

## 802.11a_(6Mbps)_1TX

## 5200MHz_TX

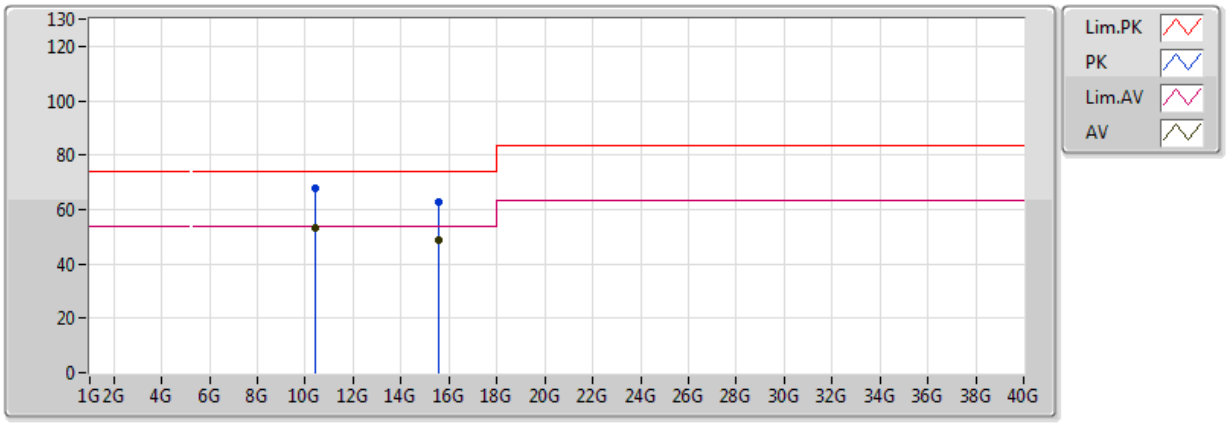



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 10.4G | 53.31 | 54.00 | -0.69 | 12.40 | 3 | V | 228 | 1.55 | - |
| AV | 15.6G | 52.72 | 54.00 | -1.28 | 13.86 | 3 | V | 345 | 1.43 | - |
| PK | 10.4G | 67.20 | 74.00 | -6.80 | 12.40 | 3 | V | 228 | 1.55 | - |
| PK | 15.6G | 67.12 | 74.00 | -6.88 | 13.86 | 3 | V | 345 | 1.43 | - |

## 802.11a_(6Mbps)_1TX

## 5200MHz_TX

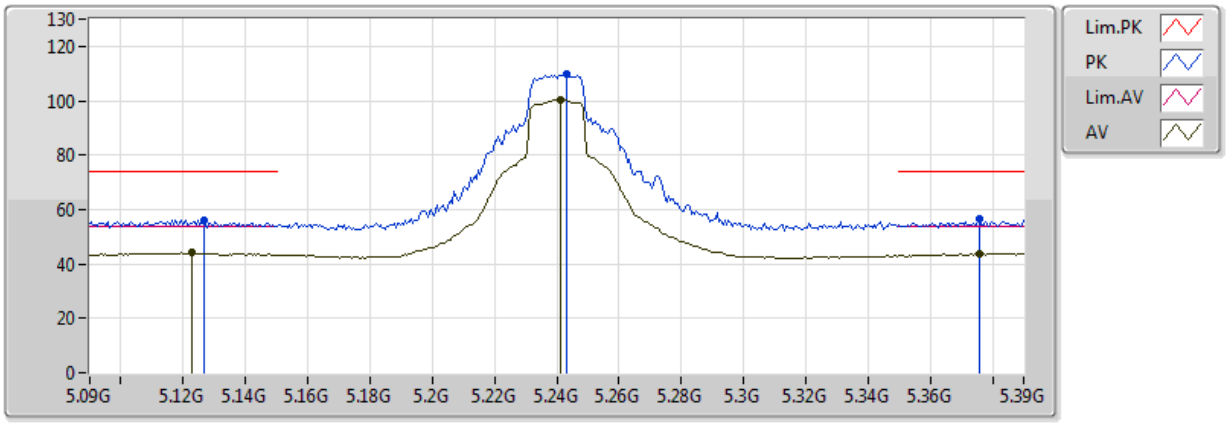



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 10.4G | 53.35 | 54.00 | -0.65 | 12.40 | 3 | H | 330 | 1.68 | - |
| AV | 15.6G | 48.72 | 54.00 | -5.28 | 13.86 | 3 | H | 147 | 1.98 | - |
| PK | 10.4G | 67.89 | 74.00 | -6.11 | 12.40 | 3 | H | 330 | 1.68 | - |
| PK | 15.6G | 62.82 | 74.00 | -11.18 | 13.86 | 3 | H | 147 | 1.98 | - |

## 802.11a_(6Mbps)_1TX

## 5240MHz_TX

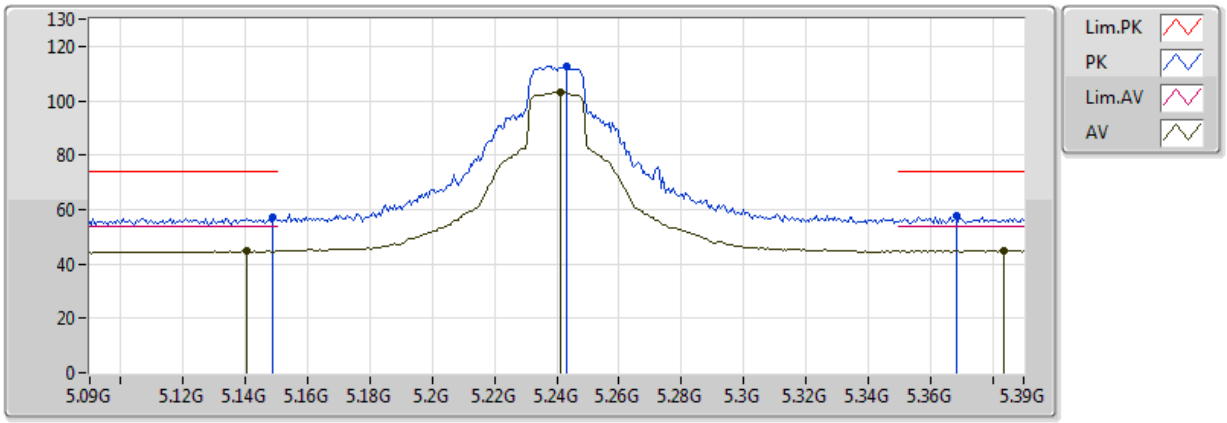



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.123G | 44.05 | 54.00 | -9.95 | 2.66 | 3 | V | 14 | 1.62 | - |
| AV | 5.2412G | 100.16 | Inf | -Inf | 2.79 | 3 | V | 14 | 1.62 | - |
| AV | 5.3756G | 43.78 | 54.00 | -10.22 | 2.94 | 3 | V | 14 | 1.62 | - |
| PK | 5.1266G | 56.07 | 74.00 | -17.93 | 2.66 | 3 | V | 14 | 1.62 | - |
| PK | 5.243G | 109.70 | Inf | -Inf | 2.79 | 3 | V | 14 | 1.62 | - |
| PK | 5.3756G | 56.43 | 74.00 | -17.57 | 2.94 | 3 | V | 14 | 1.62 | - |

## 802.11a_(6Mbps)_1TX

## 5240MHz_TX

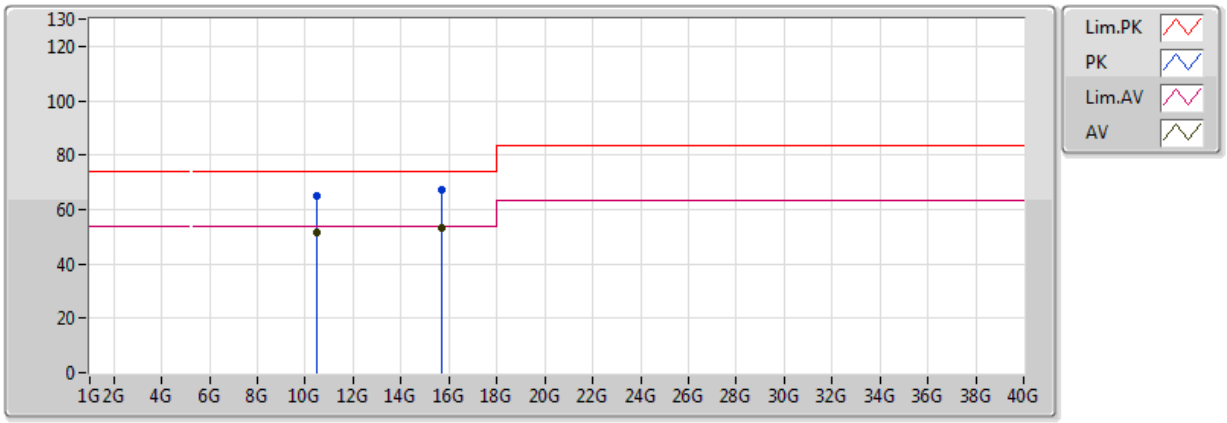



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.1404G | 44.75 | 54.00 | -9.25 | 2.68 | 3 | H | 3 | 1.54 | - |
| AV | 5.2412G | 102.97 | Inf | -Inf | 2.79 | 3 | H | 3 | 1.54 | - |
| AV | 5.3834G | 44.96 | 54.00 | -9.04 | 2.95 | 3 | H | 3 | 1.54 | - |
| PK | 5.1488G | 57.01 | 74.00 | -16.99 | 2.69 | 3 | H | 3 | 1.54 | - |
| PK | 5.243G | 112.66 | Inf | -Inf | 2.79 | 3 | H | 3 | 1.54 | - |
| PK | 5.3684G | 57.53 | 74.00 | -16.47 | 2.93 | 3 | H | 3 | 1.54 | - |

## 802.11a_(6Mbps)_1TX

## 5240MHz_TX

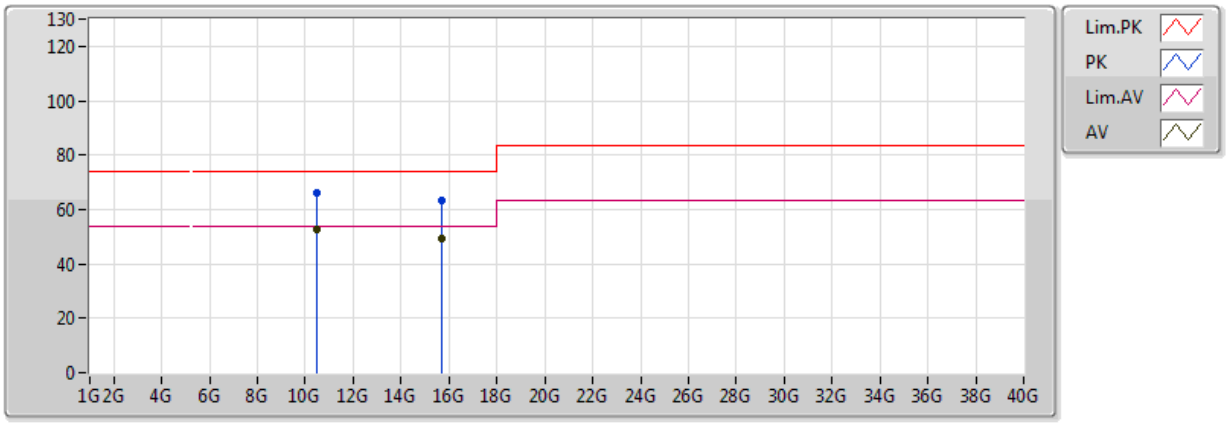



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 10.48G | 51.68 | 54.00 | -2.32 | 10.46 | 3 | V | 228 | 1.54 | - |
| AV | 15.72G | 53.14 | 54.00 | -0.86 | 15.52 | 3 | V | 344 | 1.41 | - |
| PK | 10.48G | 64.95 | 74.00 | -9.05 | 10.46 | 3 | V | 228 | 1.54 | - |
| PK | 15.72G | 67.52 | 74.00 | -6.48 | 15.52 | 3 | V | 344 | 1.41 | - |

## 802.11a_(6Mbps)_1TX

## 5240MHz_TX

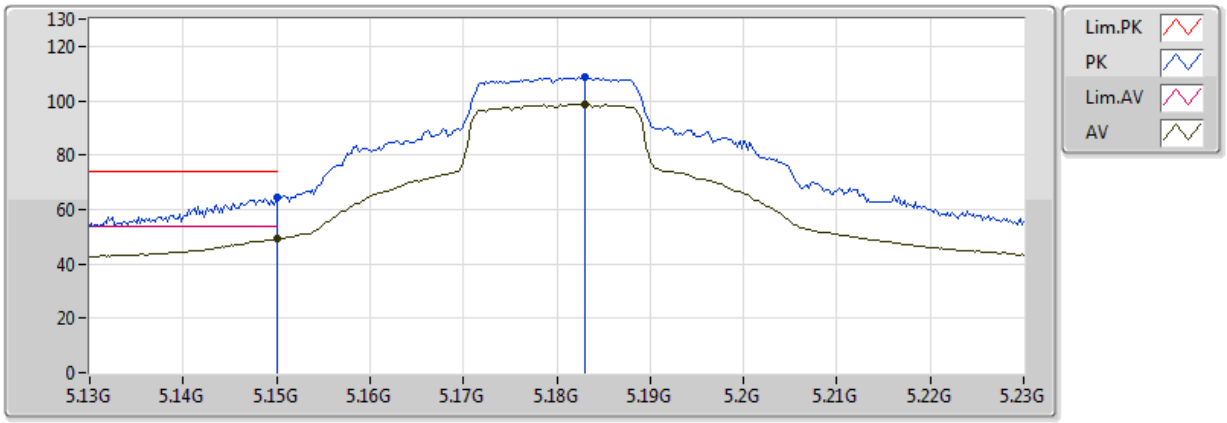



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 10.48G | 52.61 | 54.00 | -1.39 | 10.46 | 3 | H | 328 | 1.68 | - |
| AV | 15.72G | 49.36 | 54.00 | -4.64 | 15.52 | 3 | H | 161 | 1.98 | - |
| PK | 10.48G | 65.96 | 74.00 | -8.04 | 10.46 | 3 | H | 328 | 1.68 | - |
| PK | 15.72G | 63.59 | 74.00 | -10.41 | 15.52 | 3 | H | 161 | 1.98 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5180MHz_TX

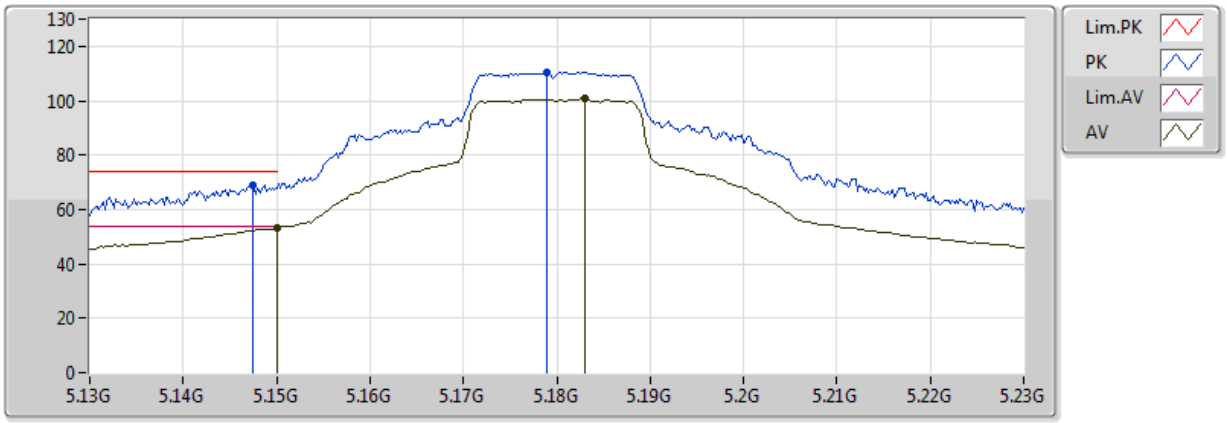



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.149995G | 49.22 | 54.00 | -4.78 | 2.69 | 3 | V | 138 | 3.49 | - |
| AV | 5.183G | 98.79 | Inf | -Inf | 2.73 | 3 | V | 138 | 3.49 | - |
| PK | 5.149995G | 64.54 | 74.00 | -9.46 | 2.69 | 3 | V | 138 | 3.49 | - |
| PK | 5.183G | 108.49 | Inf | -Inf | 2.73 | 3 | V | 138 | 3.49 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5180MHz_TX

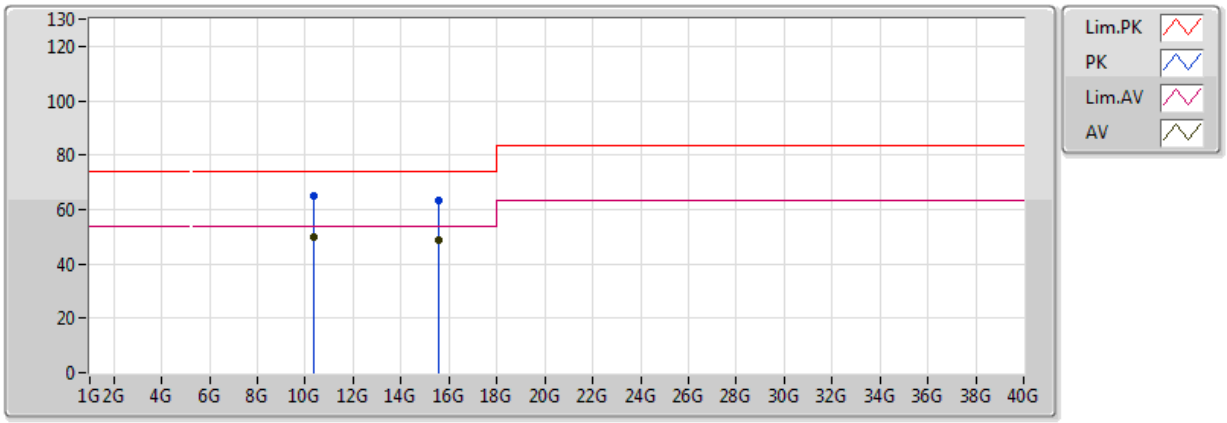



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.149995G | 53.10 | 54.00 | -0.90 | 2.69 | 3 | H | 50 | 1.87 | - |
| AV | 5.183G | 100.69 | Inf | -Inf | 2.73 | 3 | H | 50 | 1.87 | - |
| PK | 5.1474G | 68.67 | 74.00 | -5.33 | 2.69 | 3 | H | 50 | 1.87 | - |
| PK | 5.179G | 110.66 | Inf | -Inf | 2.72 | 3 | H | 50 | 1.87 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5180MHz_TX

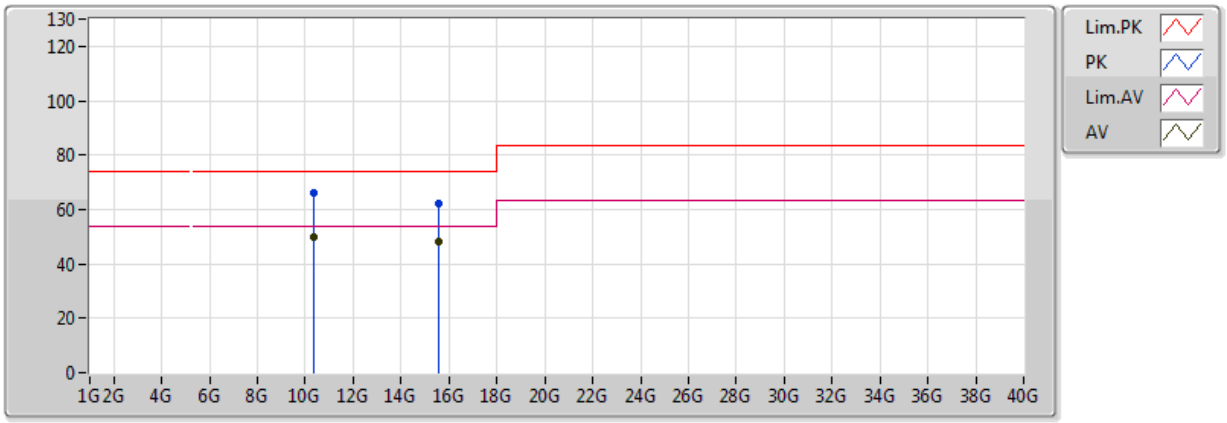



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 10.36G | 49.62 | 54.00 | -4.38 | 12.30 | 3 | V | 228 | 1.50 | - |
| AV | 15.54G | 48.48 | 54.00 | -5.52 | 14.13 | 3 | V | 345 | 1.42 | - |
| PK | 10.36G | 65.28 | 74.00 | -8.72 | 12.30 | 3 | V | 228 | 1.50 | - |
| PK | 15.54G | 63.12 | 74.00 | -10.88 | 14.13 | 3 | V | 345 | 1.42 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5180MHz_TX

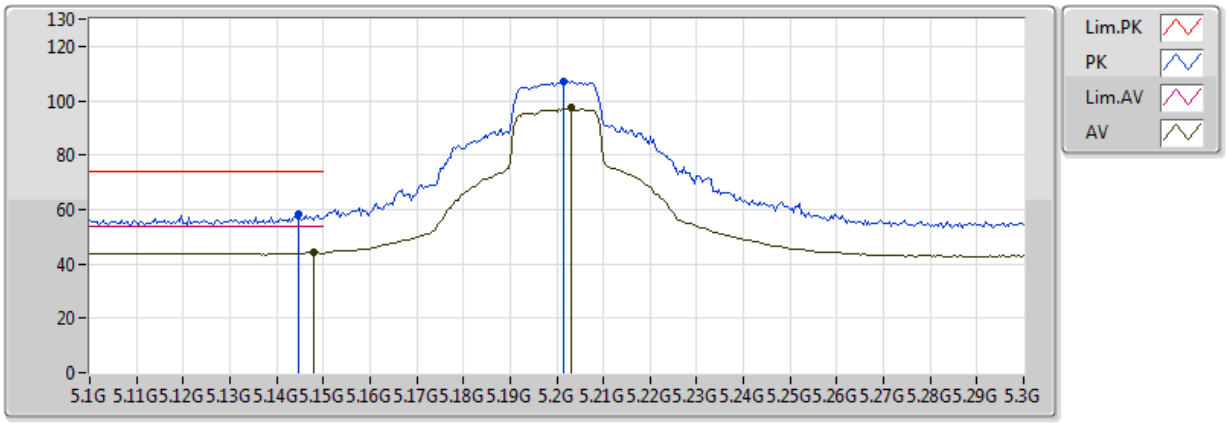



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 10.36G | 49.96 | 54.00 | -4.04 | 12.30 | 3 | H | 331 | 1.61 | - |
| AV | 15.54G | 47.96 | 54.00 | -6.04 | 14.13 | 3 | H | 64 | 1.67 | - |
| PK | 10.36G | 66.01 | 74.00 | -7.99 | 12.30 | 3 | H | 331 | 1.61 | - |
| PK | 15.54G | 62.20 | 74.00 | -11.80 | 14.13 | 3 | H | 64 | 1.67 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5200MHz_TX

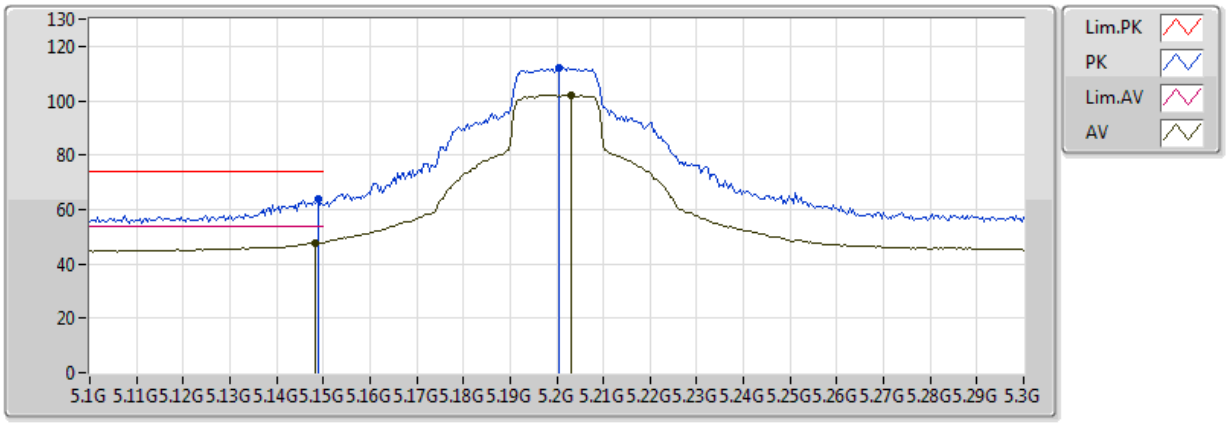



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.2032G | 97.24 | Inf | -Inf | 2.75 | 3 | V | 145 | 3.65 | - |
| AV | 5.148G | 44.27 | 54.00 | -9.73 | 2.69 | 3 | V | 145 | 3.65 | - |
| PK | 5.2016G | 106.90 | Inf | -Inf | 2.75 | 3 | V | 145 | 3.65 | - |
| PK | 5.1448G | 58.23 | 74.00 | -15.77 | 2.68 | 3 | V | 145 | 3.65 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5200MHz_TX

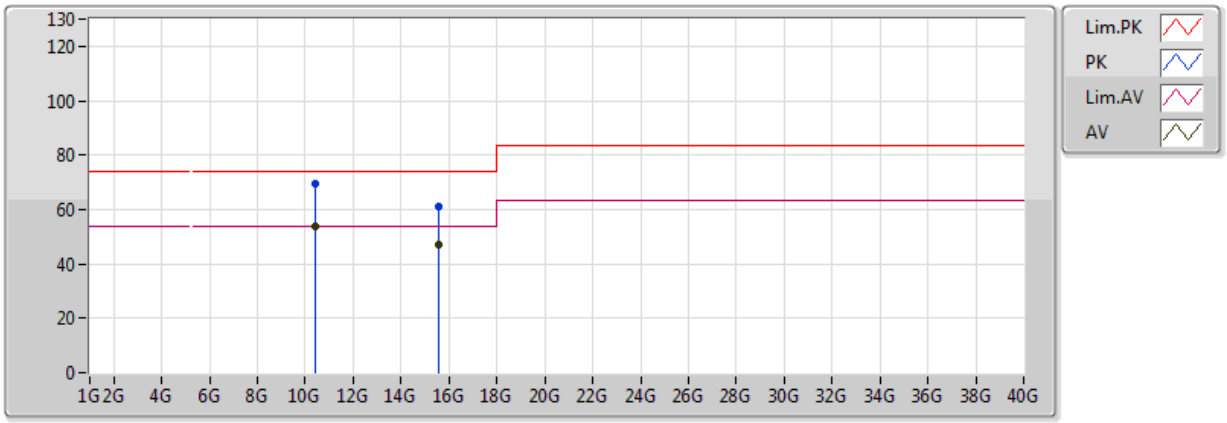



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.1484G | 47.65 | 54.00 | -6.35 | 2.69 | 3 | H | 53 | 2.12 | - |
| AV | 5.2032G | 102.19 | Inf | -Inf | 2.75 | 3 | H | 53 | 2.12 | - |
| PK | 5.1488G | 63.64 | 74.00 | -10.36 | 2.69 | 3 | H | 53 | 2.12 | - |
| PK | 5.2004G | 112.14 | Inf | -Inf | 2.75 | 3 | H | 53 | 2.12 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5200MHz_TX

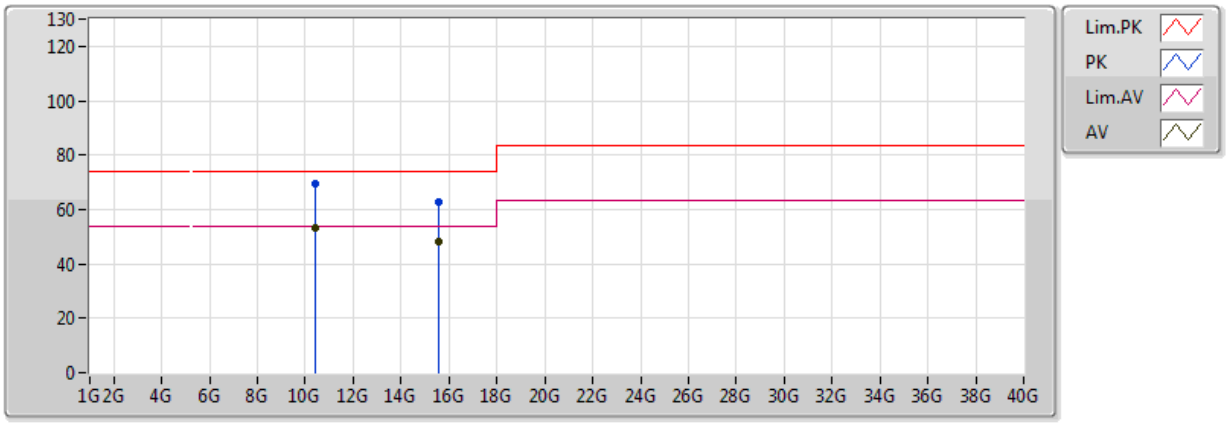



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 10.4G | 53.54 | 54.00 | -0.46 | 12.40 | 3 | V | 165 | 1.60 | - |
| AV | 15.6G | 46.98 | 54.00 | -7.02 | 13.86 | 3 | V | 341 | 1.48 | - |
| PK | 10.4G | 69.40 | 74.00 | -4.60 | 12.40 | 3 | V | 165 | 1.60 | - |
| PK | 15.6G | 61.33 | 74.00 | -12.67 | 13.86 | 3 | V | 341 | 1.48 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5200MHz_TX

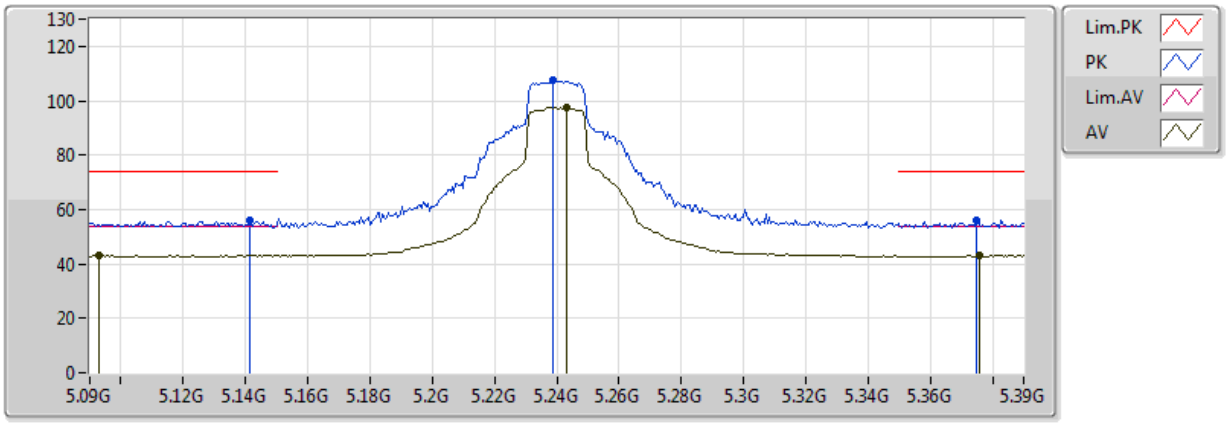



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 10.4G | 53.40 | 54.00 | -0.60 | 12.40 | 3 | H | 325 | 1.75 | - |
| AV | 15.6G | 48.38 | 54.00 | -5.62 | 13.86 | 3 | H | 160 | 2.28 | - |
| PK | 10.4G | 69.33 | 74.00 | -4.67 | 12.40 | 3 | H | 325 | 1.75 | - |
| PK | 15.6G | 62.99 | 74.00 | -11.01 | 13.86 | 3 | H | 160 | 2.28 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5240MHz_TX

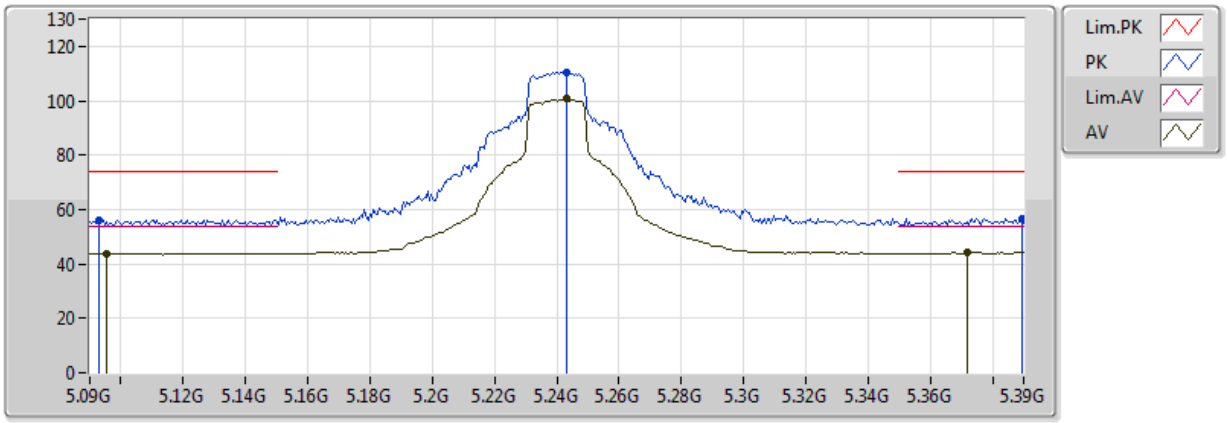



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.243G | 97.45 | Inf | -Inf | 2.79 | 3 | V | 131 | 1.01 | - |
| AV | 5.093G | 43.07 | 54.00 | -10.93 | 2.62 | 3 | V | 131 | 1.01 | - |
| AV | 5.3756G | 43.11 | 54.00 | -10.89 | 2.94 | 3 | V | 131 | 1.01 | - |
| PK | 5.2388G | 107.51 | Inf | -Inf | 2.79 | 3 | V | 131 | 1.01 | - |
| PK | 5.1416G | 55.89 | 74.00 | -18.11 | 2.68 | 3 | V | 131 | 1.01 | - |
| PK | 5.375G | 55.85 | 74.00 | -18.15 | 2.94 | 3 | V | 131 | 1.01 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5240MHz_TX

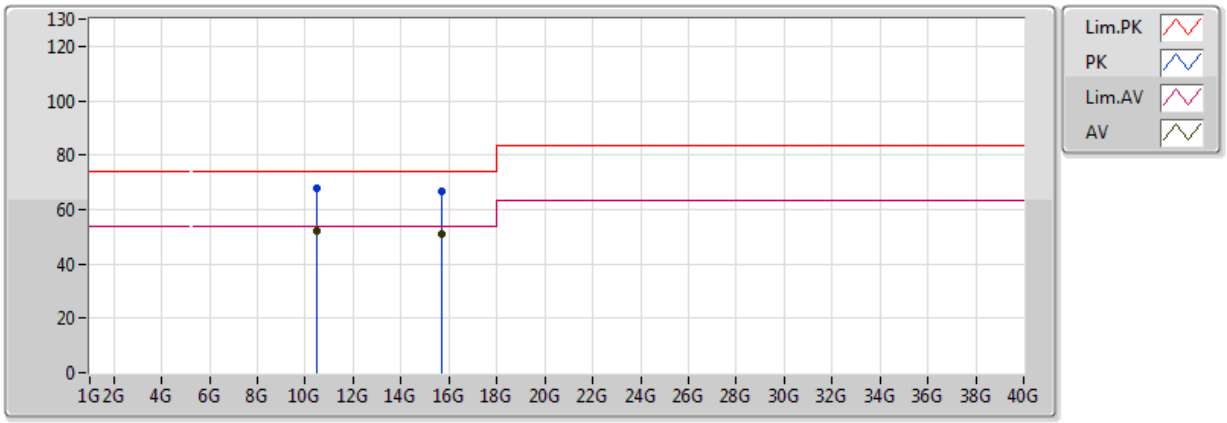



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.243G | 100.78 | Inf | -Inf | 2.79 | 3 | H | 329 | 2.93 | - |
| AV | 5.0954G | 43.92 | 54.00 | -10.08 | 2.62 | 3 | H | 329 | 2.93 | - |
| AV | 5.372G | 44.23 | 54.00 | -9.77 | 2.94 | 3 | H | 329 | 2.93 | - |
| PK | 5.243G | 110.57 | Inf | -Inf | 2.79 | 3 | H | 329 | 2.93 | - |
| PK | 5.093G | 56.09 | 74.00 | -17.91 | 2.62 | 3 | H | 329 | 2.93 | - |
| PK | 5.3894G | 56.59 | 74.00 | -17.41 | 2.96 | 3 | H | 329 | 2.93 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5240MHz_TX

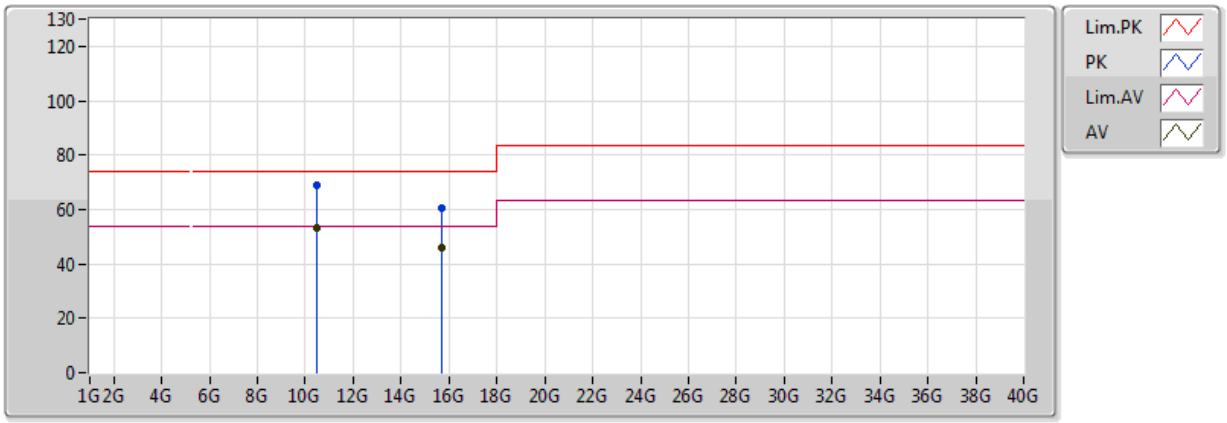



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 10.48G | 52.29 | 54.00 | -1.71 | 12.60 | 3 | V | 165 | 1.47 | - |
| AV | 15.72G | 51.19 | 54.00 | -2.81 | 13.31 | 3 | V | 341 | 1.46 | - |
| PK | 10.48G | 67.56 | 74.00 | -6.44 | 12.60 | 3 | V | 165 | 1.47 | - |
| PK | 15.72G | 66.42 | 74.00 | -7.58 | 13.31 | 3 | V | 341 | 1.46 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5240MHz_TX

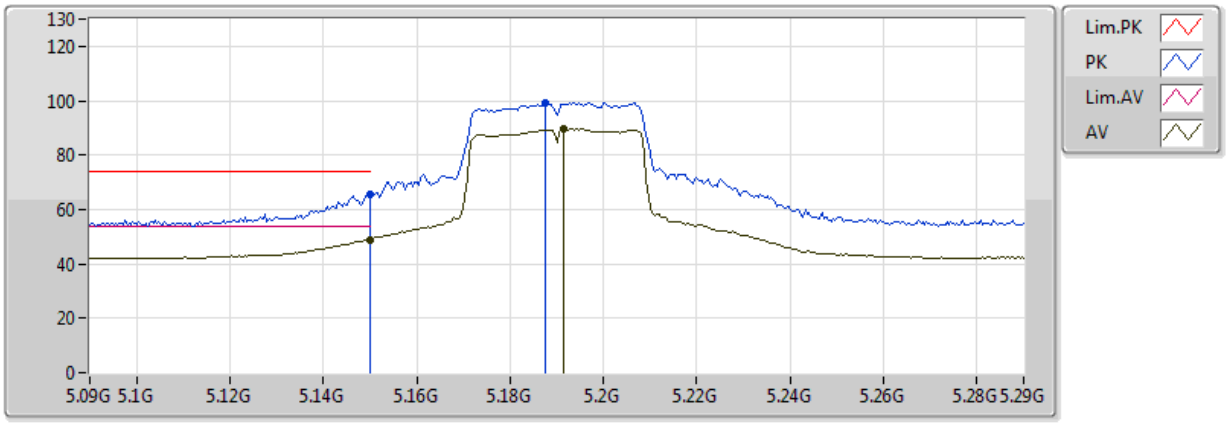



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 10.48G | 53.26 | 54.00 | -0.74 | 12.60 | 3 | H | 327 | 1.75 | - |
| AV | 15.72G | 45.79 | 54.00 | -8.21 | 13.31 | 3 | H | 38 | 1.50 | - |
| PK | 10.48G | 69.01 | 74.00 | -4.99 | 12.60 | 3 | H | 327 | 1.75 | - |
| PK | 15.72G | 60.45 | 74.00 | -13.55 | 13.31 | 3 | H | 38 | 1.50 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5190MHz_TX

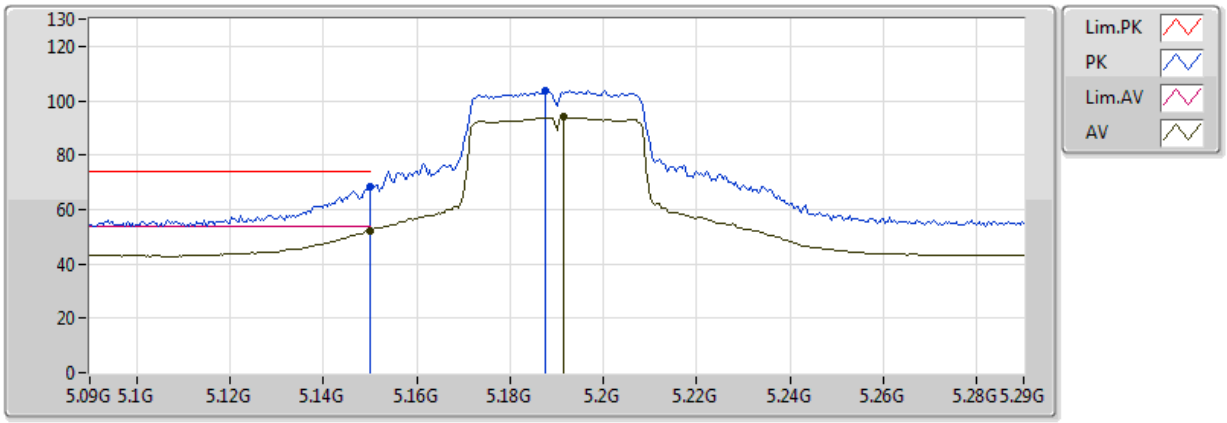



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.1916G | 89.51 | Inf | -Inf | 2.74 | 3 | V | 133 | 1.08 | - |
| AV | 5.149995G | 49.01 | 54.00 | -4.99 | 2.69 | 3 | V | 133 | 1.08 | - |
| PK | 5.1876G | 99.43 | Inf | -Inf | 2.74 | 3 | V | 133 | 1.08 | - |
| PK | 5.149995G | 65.76 | 74.00 | -8.24 | 2.69 | 3 | V | 133 | 1.08 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5190MHz_TX

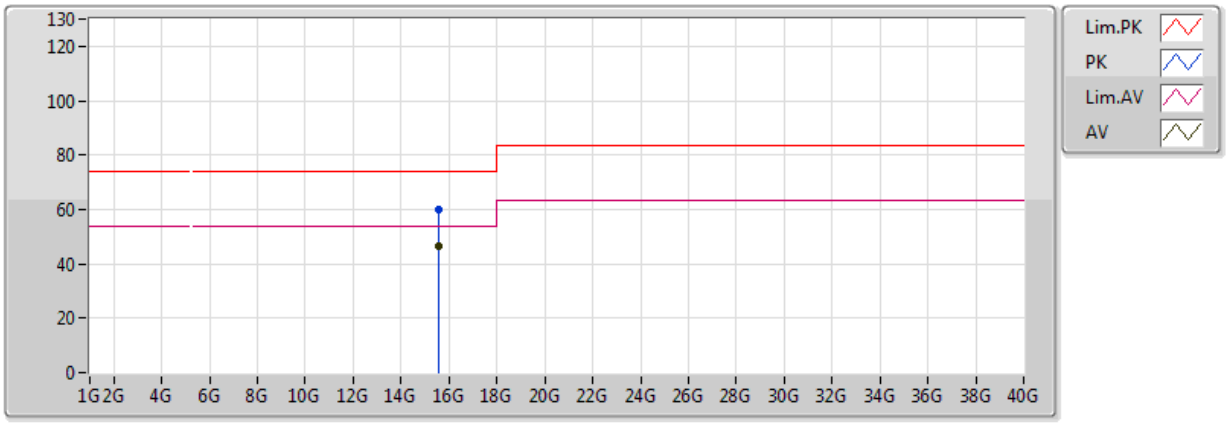



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.1916G | 93.87 | Inf | -Inf | 2.74 | 3 | H | 58 | 3.12 | - |
| AV | 5.149995G | 52.23 | 54.00 | -1.77 | 2.69 | 3 | H | 58 | 3.12 | - |
| PK | 5.1876G | 103.76 | Inf | -Inf | 2.74 | 3 | H | 58 | 3.12 | - |
| PK | 5.149995G | 68.29 | 74.00 | -5.71 | 2.69 | 3 | H | 58 | 3.12 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5190MHz_TX

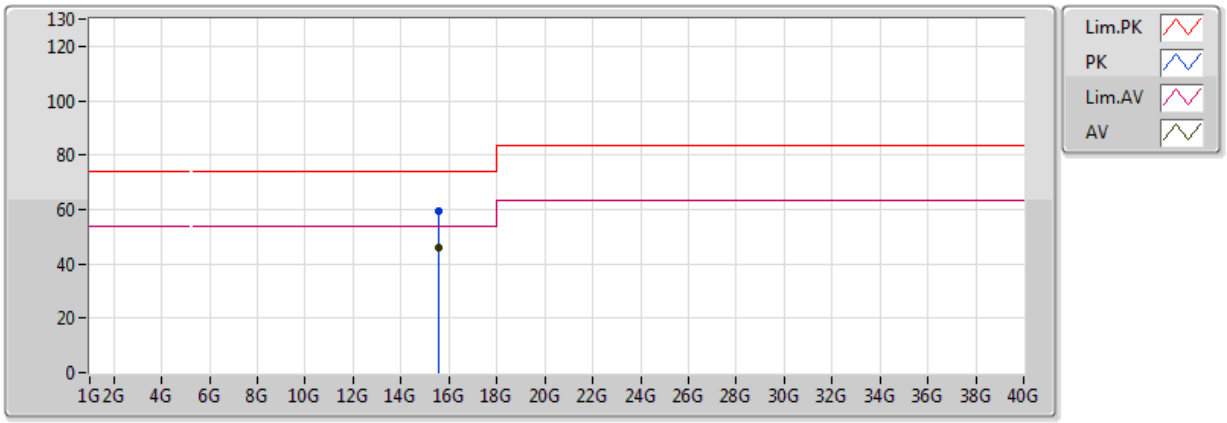



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 15.57G | 46.41 | 54.00 | -7.59 | 14.00 | 3 | V | 341 | 1.50 | - |
| PK | 15.57G | 60.13 | 74.00 | -13.87 | 14.00 | 3 | V | 341 | 1.50 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5190MHz_TX

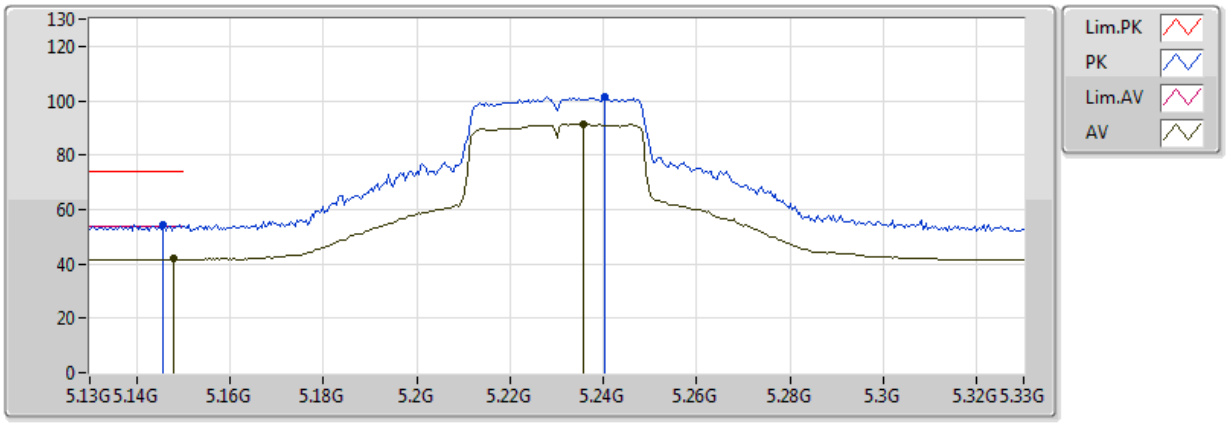



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 15.57G | 45.77 | 54.00 | -8.23 | 14.00 | 3 | H | 19 | 1.07 | - |
| PK | 15.57G | 59.16 | 74.00 | -14.84 | 14.00 | 3 | H | 19 | 1.07 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5230MHz_TX

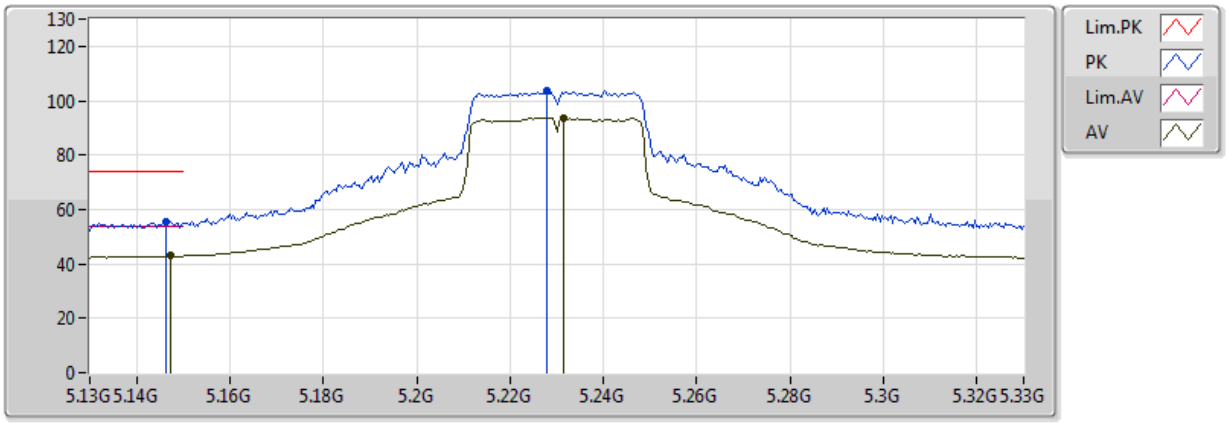



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.148G | 41.79 | 54.00 | -12.21 | 2.69 | 3 | V | 148 | 2.97 | - |
| AV | 5.2356G | 91.42 | Inf | -Inf | 2.79 | 3 | V | 148 | 2.97 | - |
| PK | 5.1456G | 54.34 | 74.00 | -19.66 | 2.68 | 3 | V | 148 | 2.97 | - |
| PK | 5.2404G | 101.68 | Inf | -Inf | 2.79 | 3 | V | 148 | 2.97 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5230MHz_TX

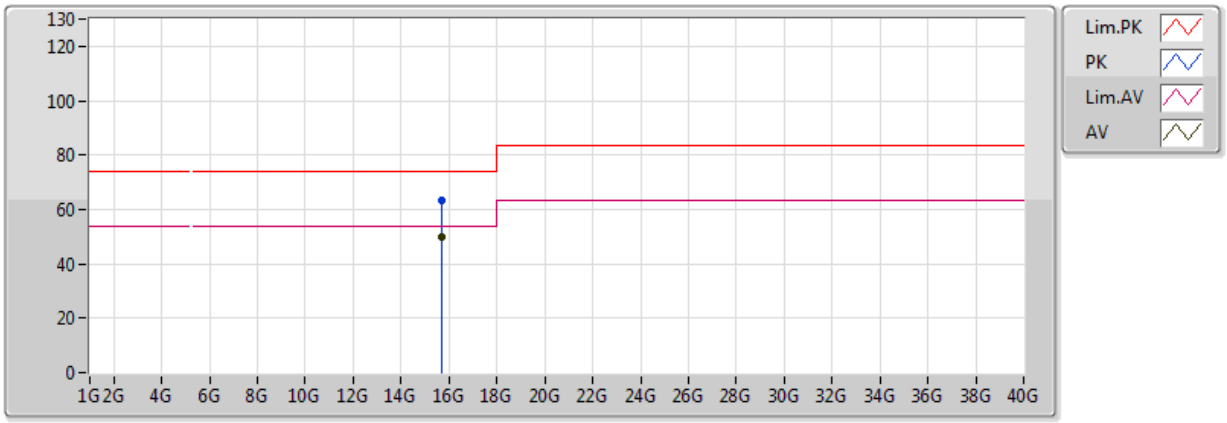



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.1472G | 42.91 | 54.00 | -11.09 | 2.69 | 3 | H | 332 | 2.24 | - |
| AV | 5.2316G | 93.61 | Inf | -Inf | 2.78 | 3 | H | 332 | 2.24 | - |
| PK | 5.1464G | 55.41 | 74.00 | -18.59 | 2.69 | 3 | H | 332 | 2.24 | - |
| PK | 5.228G | 103.90 | Inf | -Inf | 2.78 | 3 | H | 332 | 2.24 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5230MHz_TX

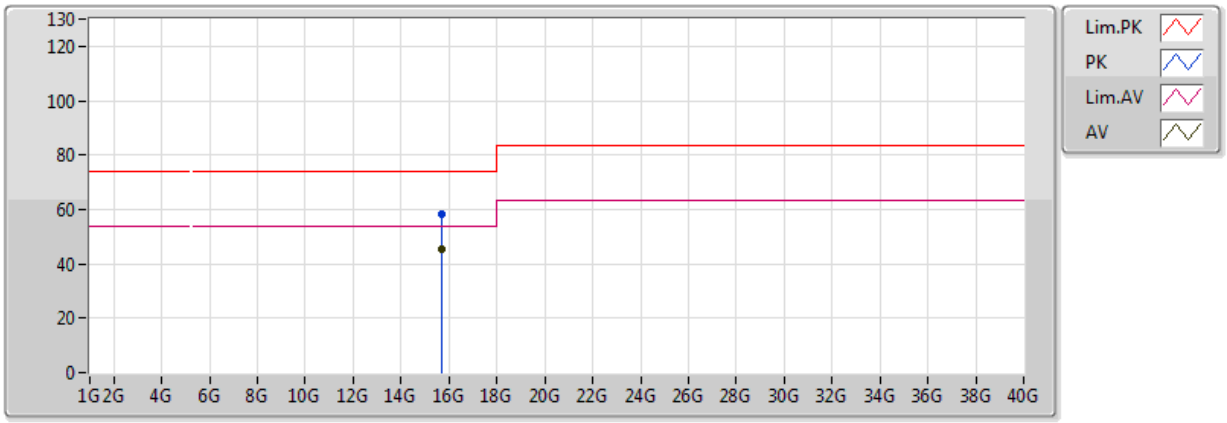



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 15.69G | 49.81 | 54.00 | -4.19 | 13.45 | 3 | V | 343 | 1.49 | - |
| PK | 15.69G | 63.15 | 74.00 | -10.85 | 13.45 | 3 | V | 343 | 1.49 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5230MHz_TX

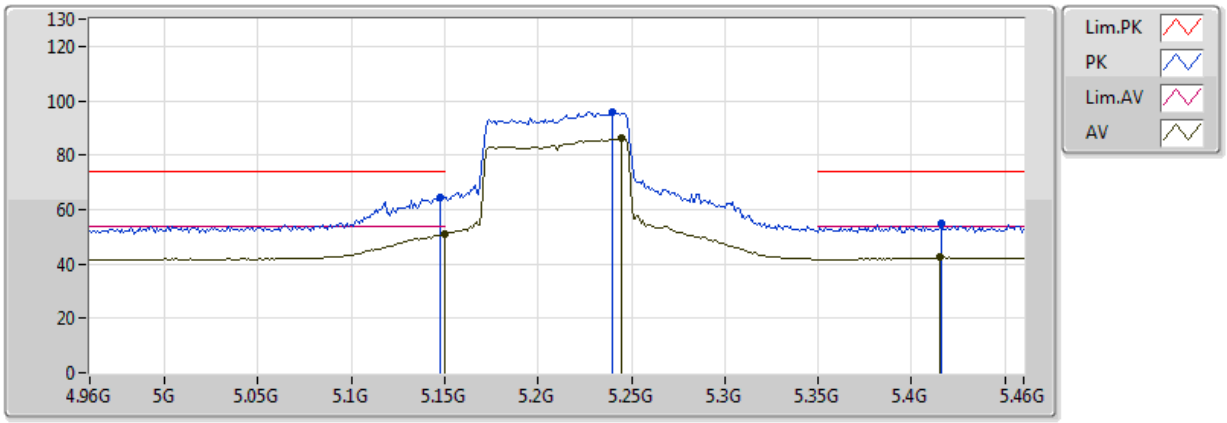



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 15.69G | 45.34 | 54.00 | -8.66 | 13.45 | 3 | H | 39 | 1.50 | - |
| PK | 15.69G | 58.43 | 74.00 | -15.57 | 13.45 | 3 | H | 39 | 1.50 | - |

## 802.11ac VHT80_Nss1,(MCS0)_1TX

## 5210MHz_TX

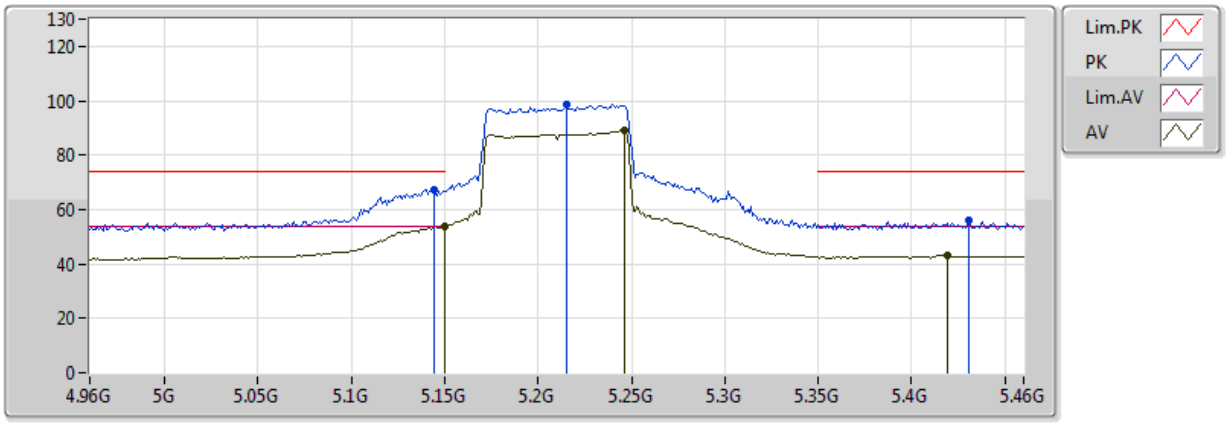



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.149995G | 51.23 | 54.00 | -2.77 | 2.69 | 3 | V | 144 | 2.94 | - |
| AV | 5.245G | 86.12 | Inf | -Inf | 2.80 | 3 | V | 144 | 2.94 | - |
| AV | 5.415G | 42.42 | 54.00 | -11.58 | 2.99 | 3 | V | 144 | 2.94 | - |
| PK | 5.148G | 64.45 | 74.00 | -9.55 | 2.69 | 3 | V | 144 | 2.94 | - |
| PK | 5.24G | 96.08 | Inf | -Inf | 2.79 | 3 | V | 144 | 2.94 | - |
| PK | 5.416G | 54.80 | 74.00 | -19.20 | 2.99 | 3 | V | 144 | 2.94 | - |

## 802.11ac VHT80_Nss1,(MCS0)_1TX

## 5210MHz_TX

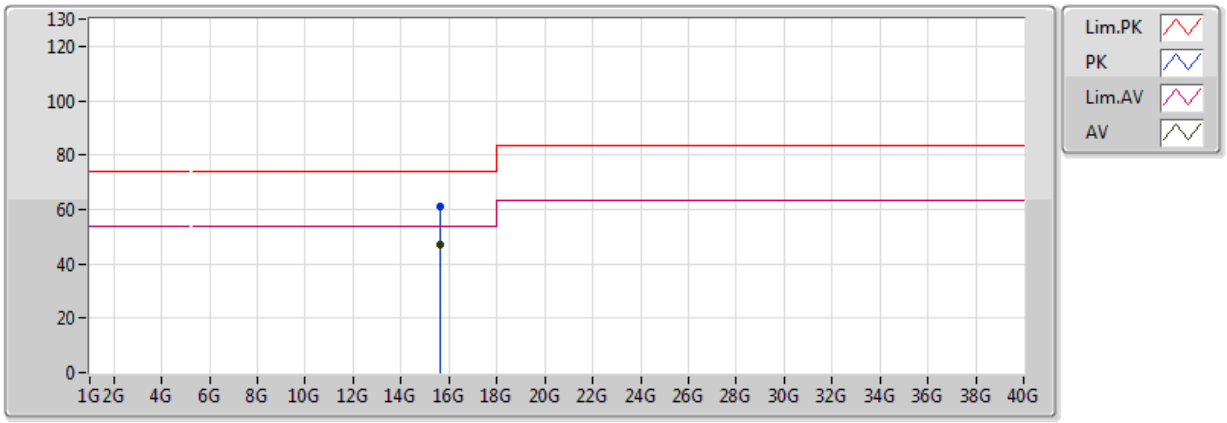



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.149995G | 53.71 | 54.00 | -0.29 | 2.69 | 3 | H | 326 | 2.00 | - |
| AV | 5.246G | 88.97 | Inf | -Inf | 2.80 | 3 | H | 326 | 2.00 | - |
| AV | 5.419G | 43.17 | 54.00 | -10.83 | 2.99 | 3 | H | 326 | 2.00 | - |
| PK | 5.144G | 67.44 | 74.00 | -6.56 | 2.68 | 3 | H | 326 | 2.00 | - |
| PK | 5.215G | 98.54 | Inf | -Inf | 2.77 | 3 | H | 326 | 2.00 | - |
| PK | 5.431G | 55.77 | 74.00 | -18.23 | 3.00 | 3 | H | 326 | 2.00 | - |

## 802.11ac VHT80_Nss1,(MCS0)_1TX

## 5210MHz_TX

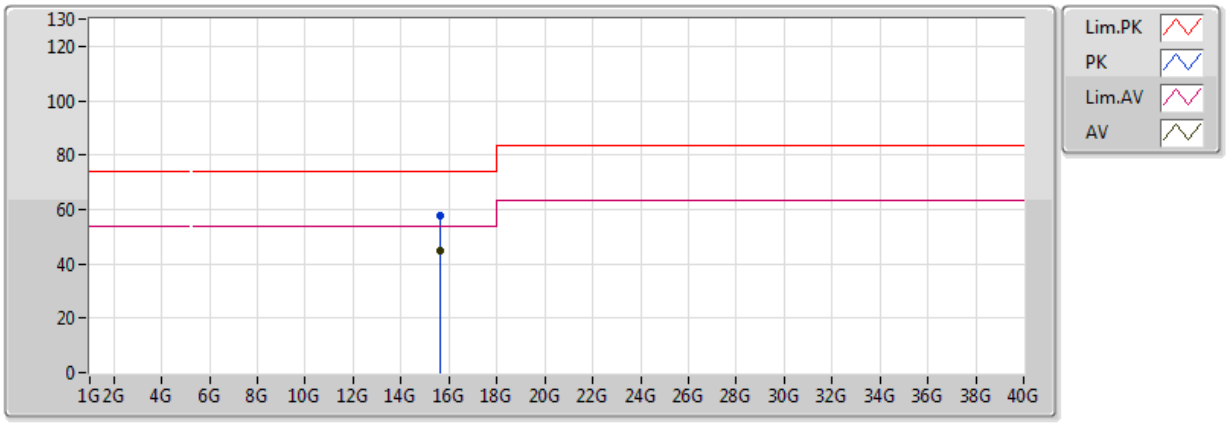



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 15.63G | 47.33 | 54.00 | -6.67 | 13.72 | 3 | V | 343 | 1.50 | - |
| PK | 15.63G | 61.20 | 74.00 | -12.80 | 13.72 | 3 | V | 343 | 1.50 | - |

## 802.11ac VHT80_Nss1,(MCS0)_1TX

## 5210MHz_TX

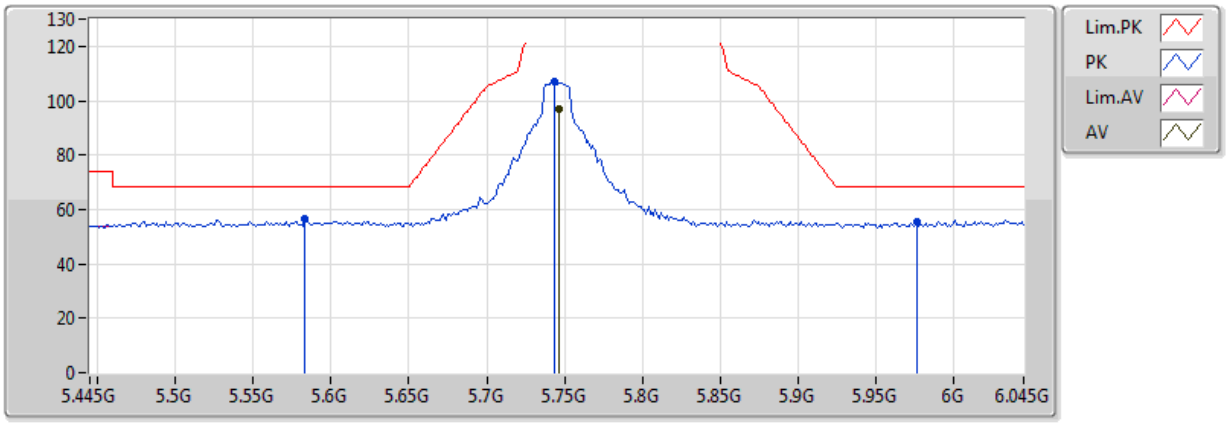



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 15.63G | 44.60 | 54.00 | -9.40 | 13.72 | 3 | H | 39 | 1.50 | - |
| PK | 15.63G | 57.93 | 74.00 | -16.07 | 13.72 | 3 | H | 39 | 1.50 | - |

## 802.11a_(6Mbps)_1TX

## 5745MHz_TX

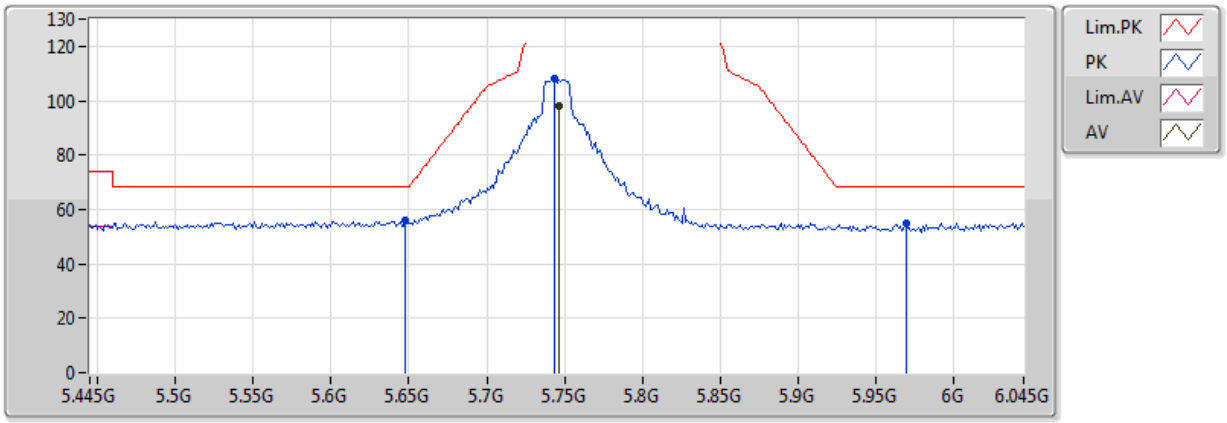



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.7462G | 96.83 | Inf | -Inf | 3.54 | 3 | V | 172 | 2.91 | - |
| PK | 5.583G | 56.44 | 68.20 | -11.76 | 3.24 | 3 | V | 172 | 2.91 | - |
| PK | 5.7438G | 107.00 | Inf | -Inf | 3.54 | 3 | V | 172 | 2.91 | - |
| PK | 5.9766G | 55.41 | 68.20 | -12.79 | 3.98 | 3 | V | 172 | 2.91 | - |

## 802.11a_(6Mbps)_1TX

## 5745MHz_TX

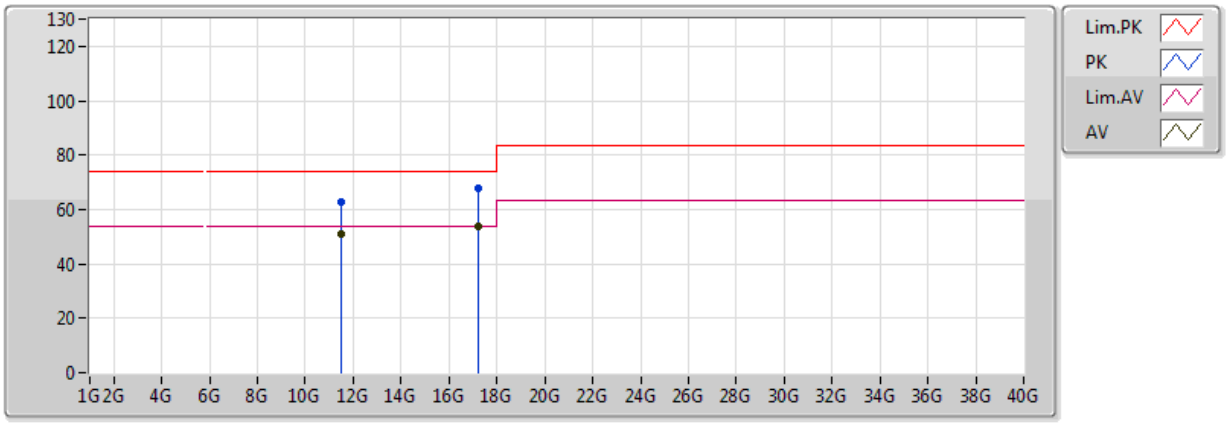



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.7462G | 98.34 | Inf | -Inf | 3.54 | 3 | H | 329 | 2.57 | - |
| PK | 5.6478G | 55.90 | 68.20 | -12.30 | 3.36 | 3 | H | 329 | 2.57 | - |
| PK | 5.7438G | 108.39 | Inf | -Inf | 3.54 | 3 | H | 329 | 2.57 | - |
| PK | 5.9694G | 55.16 | 68.20 | -13.04 | 3.96 | 3 | H | 329 | 2.57 | - |

## 802.11a_(6Mbps)_1TX

## 5745MHz_TX

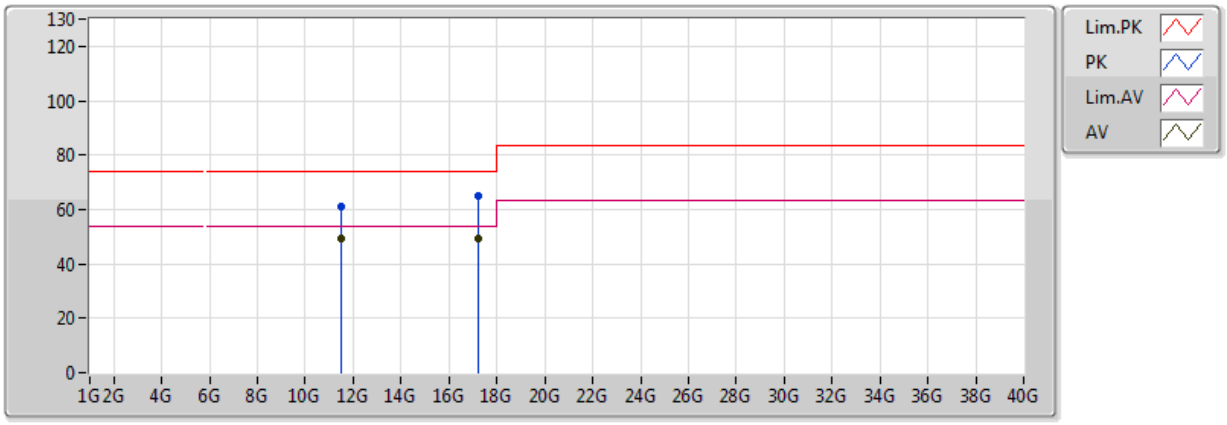



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.49G | 51.18 | 54.00 | -2.82 | 13.26 | 3 | V | 94 | 2.12 | - |
| AV | 17.235G | 53.58 | 54.00 | -0.42 | 18.10 | 3 | V | 92 | 1.60 | - |
| PK | 11.49G | 62.86 | 74.00 | -11.14 | 13.26 | 3 | V | 94 | 2.12 | - |
| PK | 17.235G | 67.60 | 74.00 | -6.40 | 18.10 | 3 | V | 92 | 1.60 | - |

## 802.11a_(6Mbps)_1TX

## 5745MHz_TX

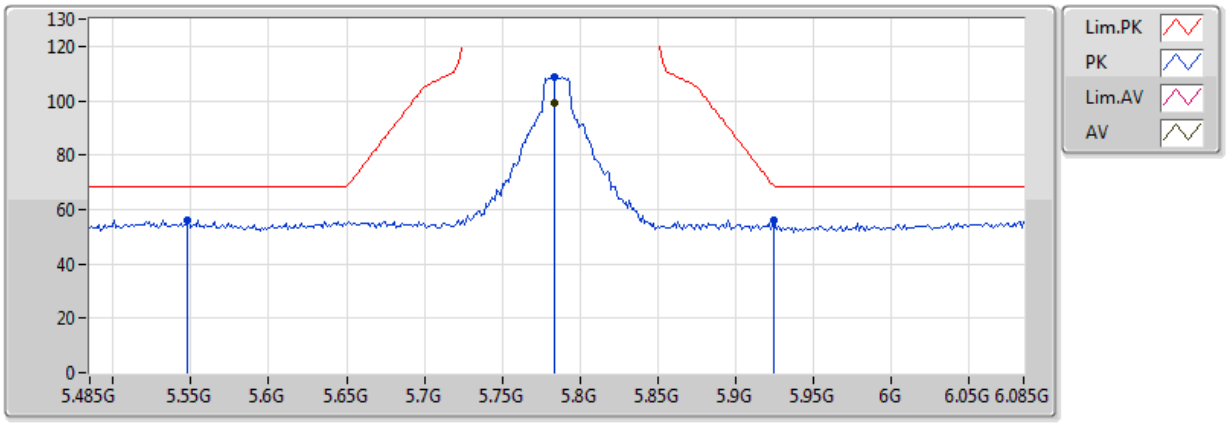



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.49G | 49.21 | 54.00 | -4.79 | 13.26 | 3 | H | 329 | 2.57 | - |
| AV | 17.235G | 49.54 | 54.00 | -4.46 | 18.10 | 3 | H | 46 | 1.48 | - |
| PK | 11.49G | 61.05 | 74.00 | -12.95 | 13.26 | 3 | H | 329 | 2.57 | - |
| PK | 17.235G | 64.98 | 74.00 | -9.02 | 18.10 | 3 | H | 46 | 1.48 | - |

## 802.11a_(6Mbps)_1TX

## 5785MHz_TX

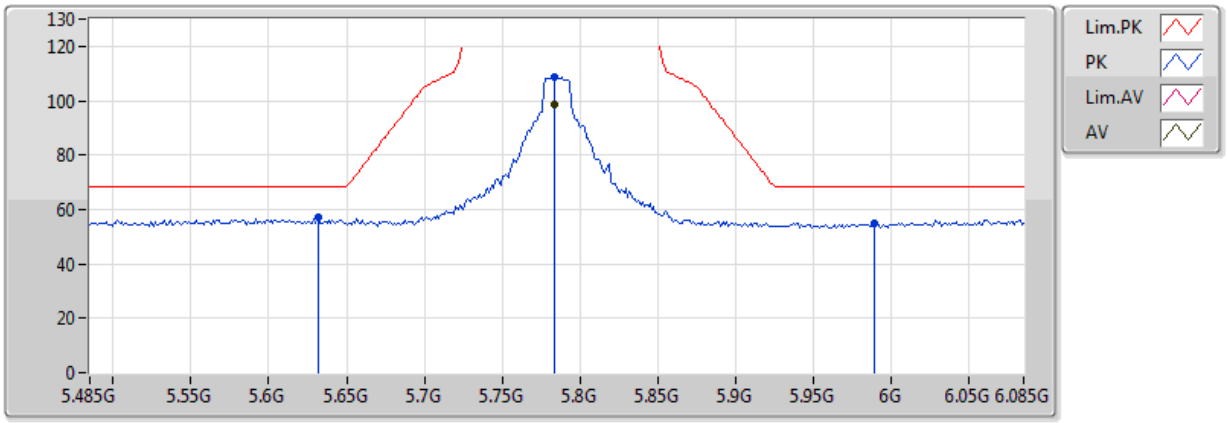



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.7838G | 99.11 | Inf | -Inf | 3.62 | 3 | V | 226 | 3.55 | - |
| PK | 5.5474G | 56.27 | 68.20 | -11.93 | 3.17 | 3 | V | 226 | 3.55 | - |
| PK | 5.7838G | 108.86 | Inf | -Inf | 3.62 | 3 | V | 226 | 3.55 | - |
| PK | 5.9242G | 55.76 | 68.79 | -13.03 | 3.88 | 3 | V | 226 | 3.55 | - |

## 802.11a_(6Mbps)_1TX

## 5785MHz_TX

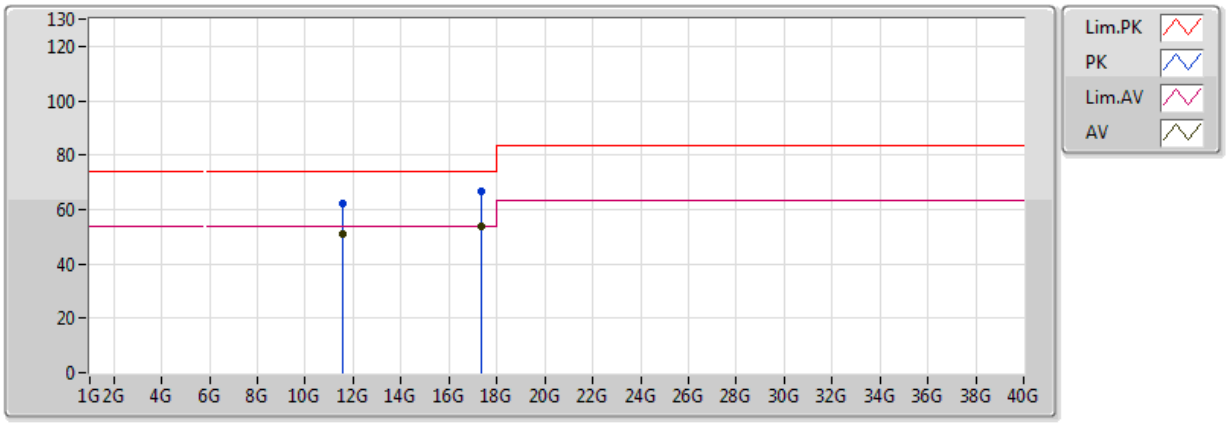



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.7838G | 98.83 | Inf | -Inf | 3.62 | 3 | H | 323 | 2.18 | - |
| PK | 5.6314G | 56.97 | 68.20 | -11.23 | 3.33 | 3 | H | 323 | 2.18 | - |
| PK | 5.7838G | 108.92 | Inf | -Inf | 3.62 | 3 | H | 323 | 2.18 | - |
| PK | 5.989G | 54.99 | 68.20 | -13.21 | 4.00 | 3 | H | 323 | 2.18 | - |

## 802.11a_(6Mbps)_1TX

## 5785MHz_TX

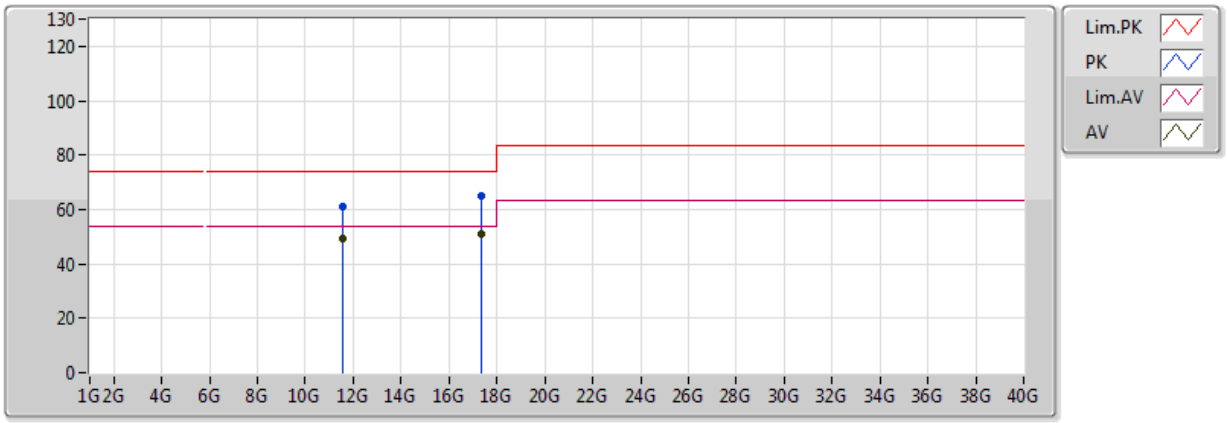



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.57G | 50.84 | 54.00 | -3.16 | 13.16 | 3 | V | 92 | 2.19 | - |
| AV | 17.355G | 53.65 | 54.00 | -0.35 | 18.89 | 3 | V | 0 | 1.54 | - |
| PK | 11.57G | 62.45 | 74.00 | -11.55 | 13.16 | 3 | V | 92 | 2.19 | - |
| PK | 17.355G | 66.92 | 74.00 | -7.08 | 18.89 | 3 | V | 0 | 1.54 | - |

## 802.11a_(6Mbps)_1TX

## 5785MHz_TX

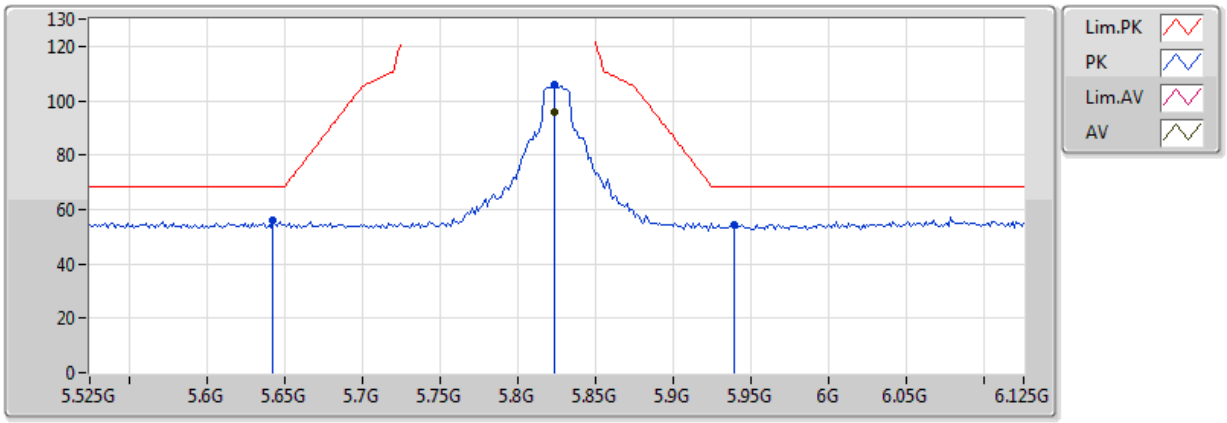



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.57G | 49.37 | 54.00 | -4.63 | 13.16 | 3 | H | 331 | 1.61 | - |
| AV | 17.355G | 50.98 | 54.00 | -3.02 | 18.89 | 3 | H | 338 | 1.60 | - |
| PK | 11.57G | 61.24 | 74.00 | -12.76 | 13.16 | 3 | H | 331 | 1.61 | - |
| PK | 17.355G | 64.79 | 74.00 | -9.21 | 18.89 | 3 | H | 338 | 1.60 | - |

## 802.11a_(6Mbps)_1TX

## 5825MHz_TX

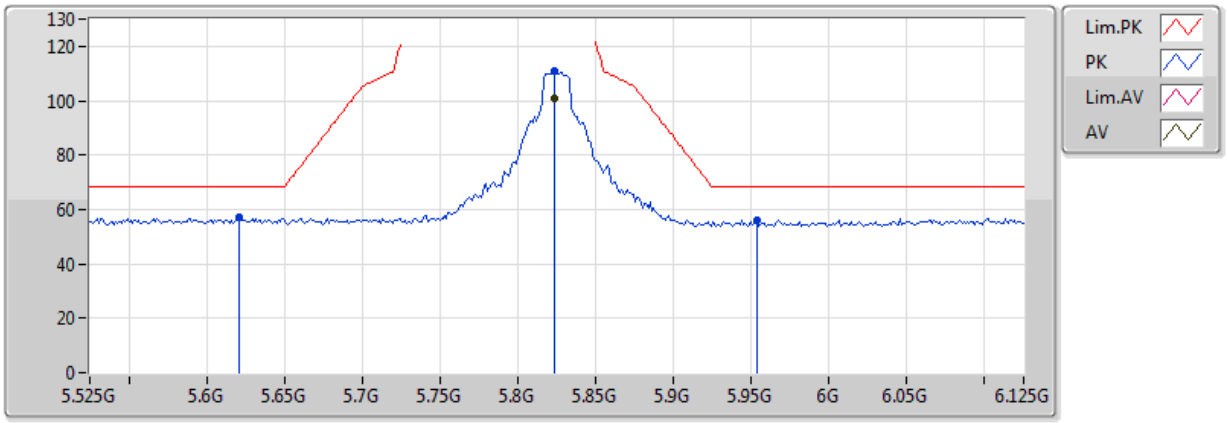



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.8238G | 95.85 | Inf | -Inf | 3.69 | 3 | V | 147 | 2.40 | - |
| PK | 5.6426G | 55.81 | 68.20 | -12.39 | 3.35 | 3 | V | 147 | 2.40 | - |
| PK | 5.8238G | 105.84 | Inf | -Inf | 3.69 | 3 | V | 147 | 2.40 | - |
| PK | 5.939G | 54.56 | 68.20 | -13.64 | 3.90 | 3 | V | 147 | 2.40 | - |

## 802.11a_(6Mbps)_1TX

## 5825MHz_TX

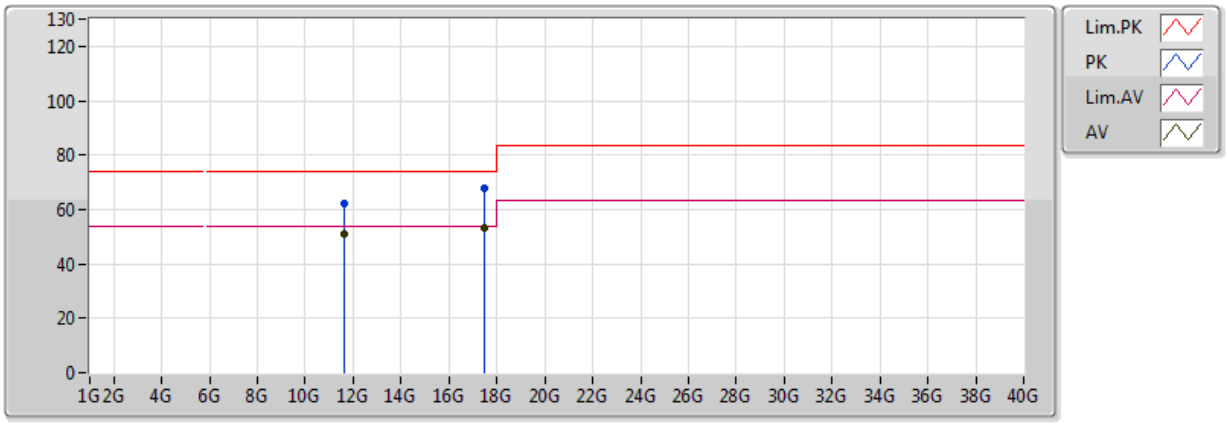



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.8238G | 100.99 | Inf | -Inf | 3.69 | 3 | H | 67 | 2.79 | - |
| PK | 5.621G | 57.08 | 68.20 | -11.12 | 3.31 | 3 | H | 67 | 2.79 | - |
| PK | 5.8238G | 110.93 | Inf | -Inf | 3.69 | 3 | H | 67 | 2.79 | - |
| PK | 5.9534G | 55.93 | 68.20 | -12.27 | 3.93 | 3 | H | 67 | 2.79 | - |

## 802.11a_(6Mbps)_1TX

## 5825MHz_TX

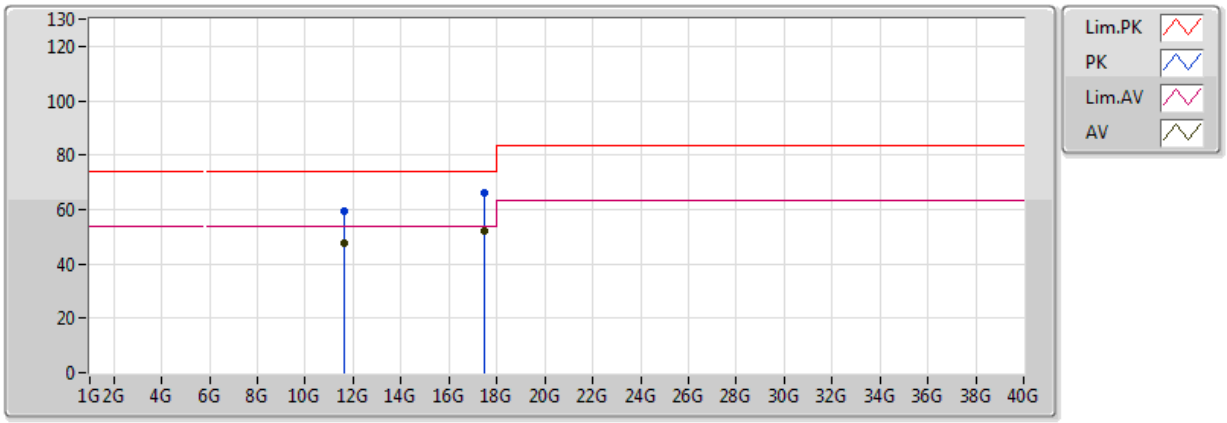



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.65G | 51.11 | 54.00 | -2.89 | 13.05 | 3 | V | 94 | 2.25 | - |
| AV | 17.475G | 53.25 | 54.00 | -0.75 | 19.68 | 3 | V | 27 | 1.54 | - |
| PK | 11.65G | 62.19 | 74.00 | -11.81 | 13.05 | 3 | V | 94 | 2.25 | - |
| PK | 17.475G | 67.77 | 74.00 | -6.23 | 19.68 | 3 | V | 27 | 1.54 | - |

## 802.11a_(6Mbps)_1TX

## 5825MHz_TX

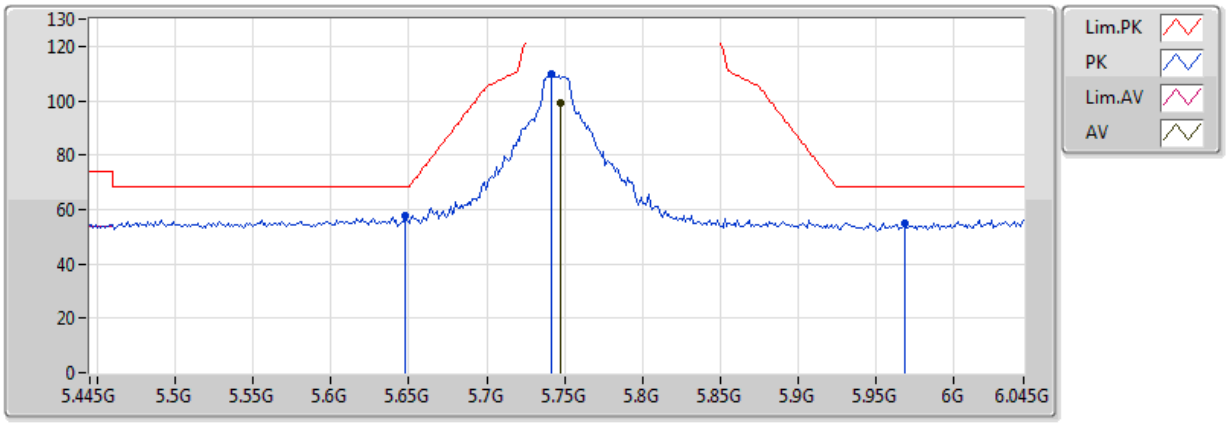



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.65G | 47.89 | 54.00 | -6.11 | 13.05 | 3 | H | 331 | 1.60 | - |
| AV | 17.475G | 52.10 | 54.00 | -1.90 | 19.68 | 3 | H | 337 | 1.63 | - |
| PK | 11.65G | 59.15 | 74.00 | -14.85 | 13.05 | 3 | H | 331 | 1.60 | - |
| PK | 17.475G | 66.15 | 74.00 | -7.85 | 19.68 | 3 | H | 337 | 1.63 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5745MHz_TX

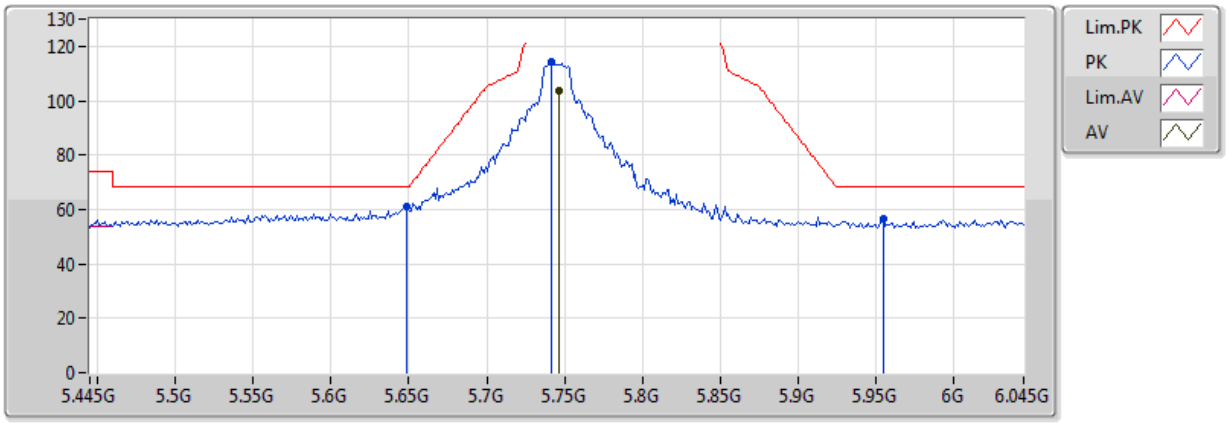



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.7474G | 99.33 | Inf | -Inf | 3.54 | 3 | V | 154 | 3.18 | - |
| PK | 5.6478G | 57.49 | 68.20 | -10.71 | 3.36 | 3 | V | 154 | 3.18 | - |
| PK | 5.7414G | 109.66 | Inf | -Inf | 3.53 | 3 | V | 154 | 3.18 | - |
| PK | 5.9682G | 55.13 | 68.20 | -13.07 | 3.96 | 3 | V | 154 | 3.18 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5745MHz_TX

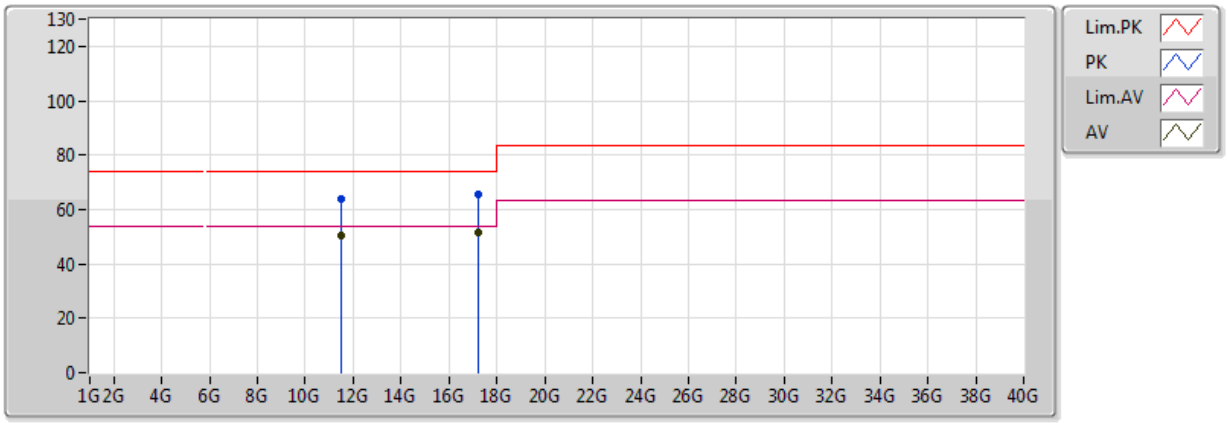



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.7462G | 103.63 | Inf | -Inf | 3.54 | 3 | H | 61 | 2.87 | - |
| PK | 5.649G | 61.00 | 68.20 | -7.20 | 3.36 | 3 | H | 61 | 2.87 | - |
| PK | 5.7414G | 114.31 | Inf | -Inf | 3.53 | 3 | H | 61 | 2.87 | - |
| PK | 5.955G | 56.36 | 68.20 | -11.84 | 3.93 | 3 | H | 61 | 2.87 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5745MHz_TX

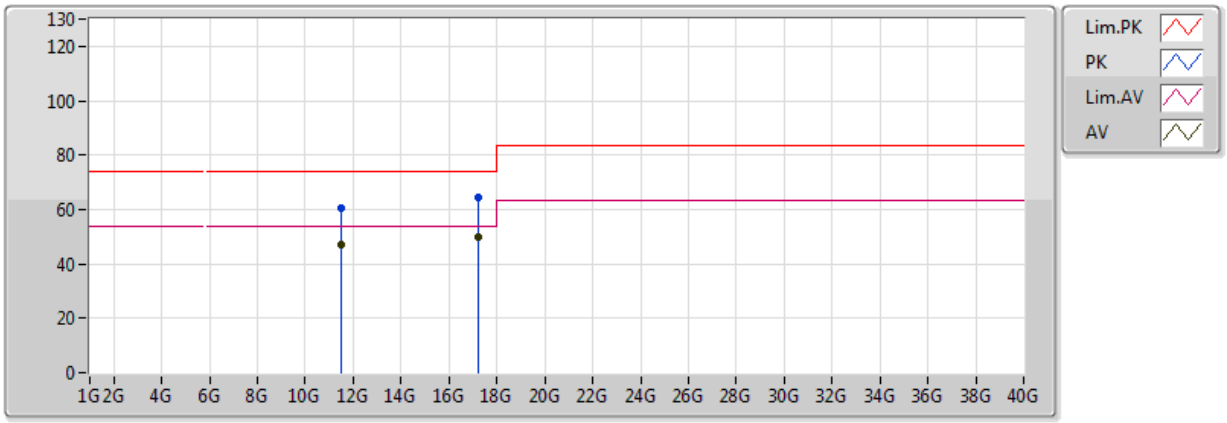



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.49G | 50.37 | 54.00 | -3.63 | 13.26 | 3 | V | 93 | 2.24 | - |
| AV | 17.235G | 51.44 | 54.00 | -2.56 | 18.10 | 3 | V | 93 | 2.24 | - |
| PK | 11.49G | 63.81 | 74.00 | -10.19 | 13.26 | 3 | V | 93 | 2.24 | - |
| PK | 17.235G | 65.30 | 74.00 | -8.70 | 18.10 | 3 | V | 93 | 2.24 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5745MHz_TX

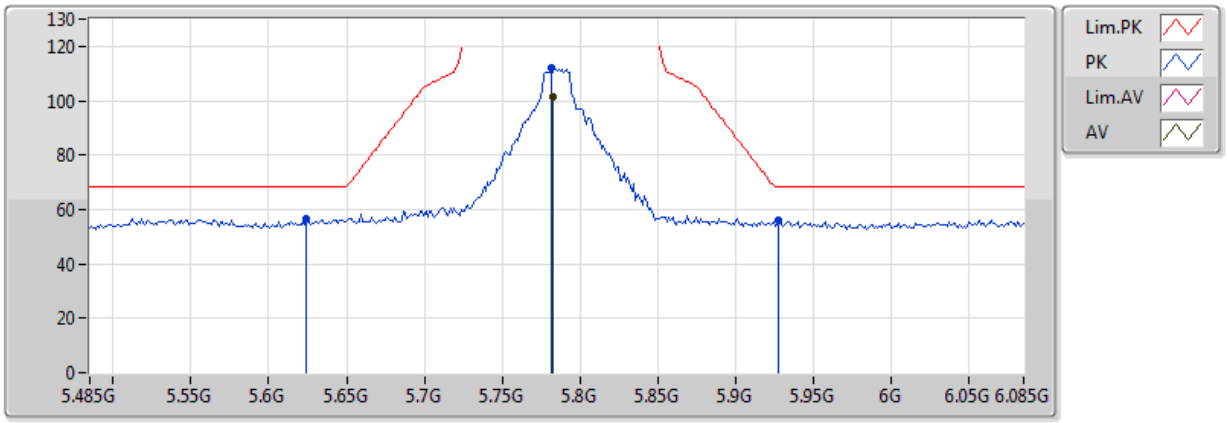



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.49G | 47.25 | 54.00 | -6.75 | 13.26 | 3 | H | 330 | 1.70 | - |
| AV | 17.235G | 49.77 | 54.00 | -4.23 | 18.10 | 3 | H | 46 | 1.35 | - |
| PK | 11.49G | 60.66 | 74.00 | -13.34 | 13.26 | 3 | H | 330 | 1.70 | - |
| PK | 17.235G | 64.49 | 74.00 | -9.51 | 18.10 | 3 | H | 46 | 1.35 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5785MHz_TX

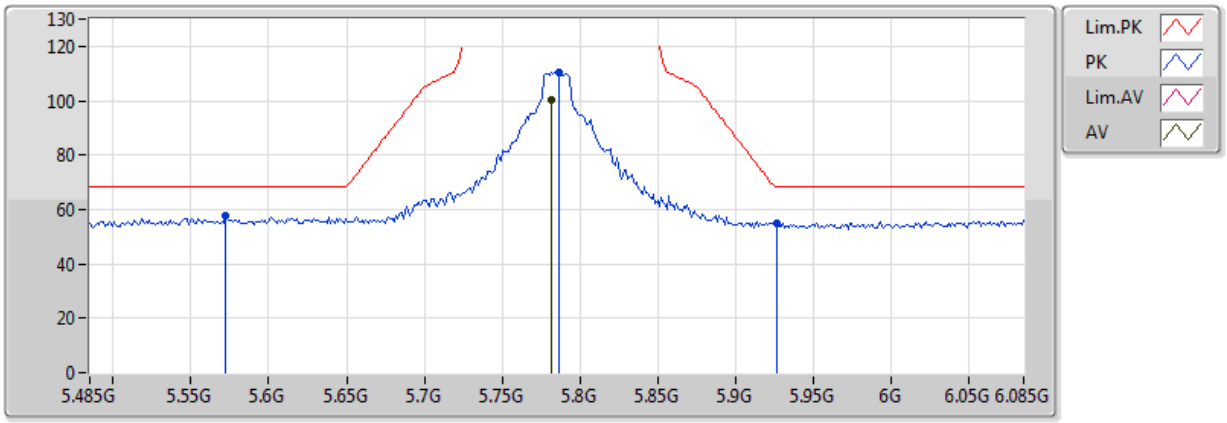



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.7826G | 101.40 | Inf | -Inf | 3.62 | 3 | V | 224 | 3.56 | - |
| PK | 5.6242G | 56.87 | 68.20 | -11.33 | 3.31 | 3 | V | 224 | 3.56 | - |
| PK | 5.7814G | 111.95 | Inf | -Inf | 3.61 | 3 | V | 224 | 3.56 | - |
| PK | 5.9278G | 56.13 | 68.20 | -12.07 | 3.88 | 3 | V | 224 | 3.56 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5785MHz_TX

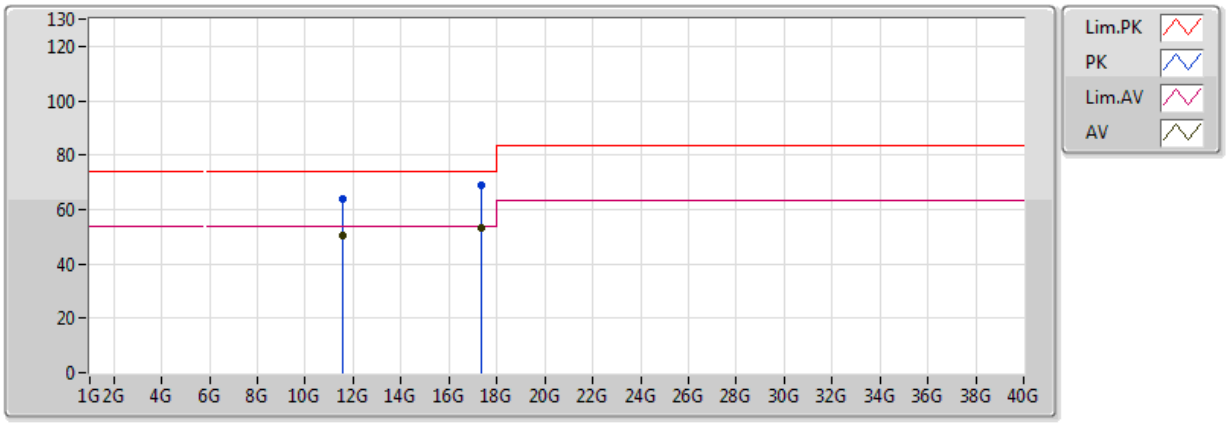



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.7814G | 100.32 | Inf | -Inf | 3.61 | 3 | H | 318 | 2.16 | - |
| PK | 5.5726G | 57.47 | 68.20 | -10.73 | 3.22 | 3 | H | 318 | 2.16 | - |
| PK | 5.7862G | 110.28 | Inf | -Inf | 3.62 | 3 | H | 318 | 2.16 | - |
| PK | 5.9266G | 55.18 | 68.20 | -13.02 | 3.88 | 3 | H | 318 | 2.16 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5785MHz_TX

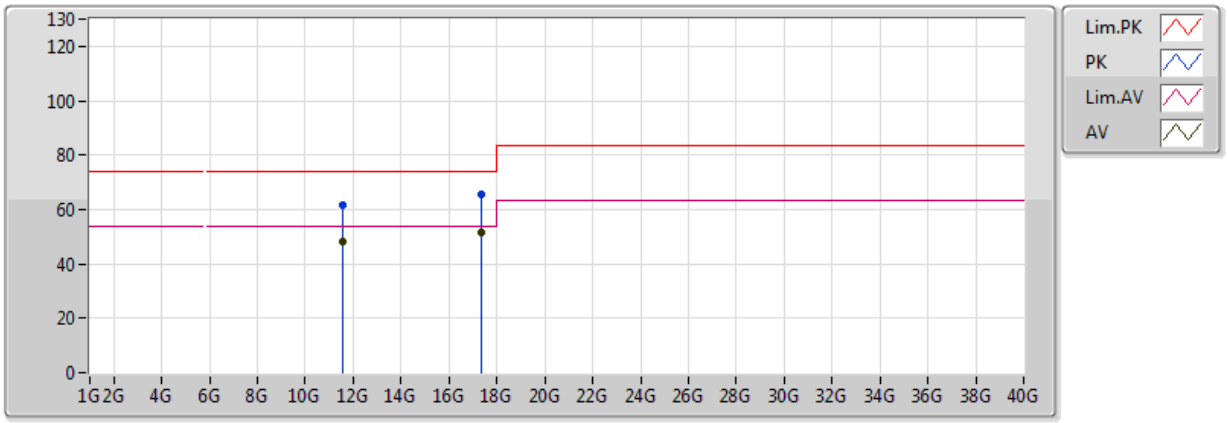



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.57G | 50.17 | 54.00 | -3.83 | 13.16 | 3 | V | 281 | 2.16 | - |
| AV | 17.355G | 53.50 | 54.00 | -0.50 | 18.89 | 3 | V | 93 | 1.55 | - |
| PK | 11.57G | 64.01 | 74.00 | -9.99 | 13.16 | 3 | V | 281 | 2.16 | - |
| PK | 17.355G | 68.69 | 74.00 | -5.31 | 18.89 | 3 | V | 93 | 1.55 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5785MHz_TX

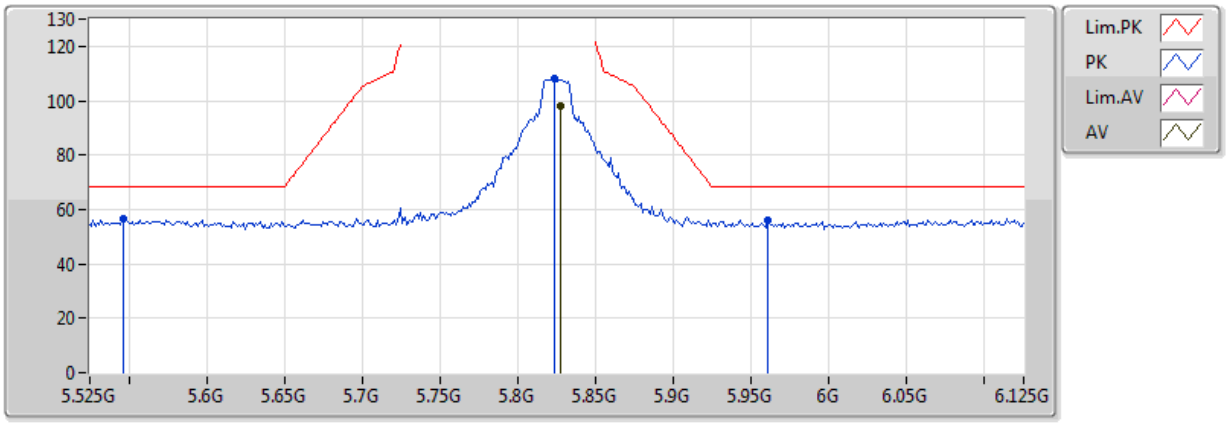



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.57G | 48.08 | 54.00 | -5.92 | 13.16 | 3 | H | 329 | 1.67 | - |
| AV | 17.355G | 51.75 | 54.00 | -2.25 | 18.89 | 3 | H | 338 | 1.56 | - |
| PK | 11.57G | 61.81 | 74.00 | -12.19 | 13.16 | 3 | H | 329 | 1.67 | - |
| PK | 17.355G | 65.55 | 74.00 | -8.45 | 18.89 | 3 | H | 338 | 1.56 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5825MHz_TX

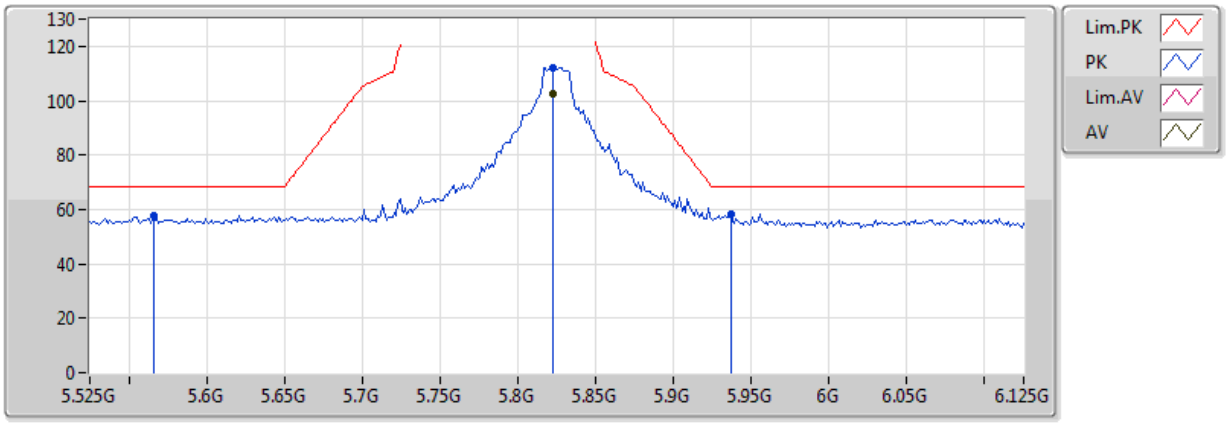



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.8274G | 98.05 | Inf | -Inf | 3.70 | 3 | V | 154 | 3.25 | - |
| PK | 5.5466G | 56.56 | 68.20 | -11.64 | 3.17 | 3 | V | 154 | 3.25 | - |
| PK | 5.8238G | 108.39 | Inf | -Inf | 3.69 | 3 | V | 154 | 3.25 | - |
| PK | 5.9606G | 56.05 | 68.20 | -12.15 | 3.95 | 3 | V | 154 | 3.25 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5825MHz_TX

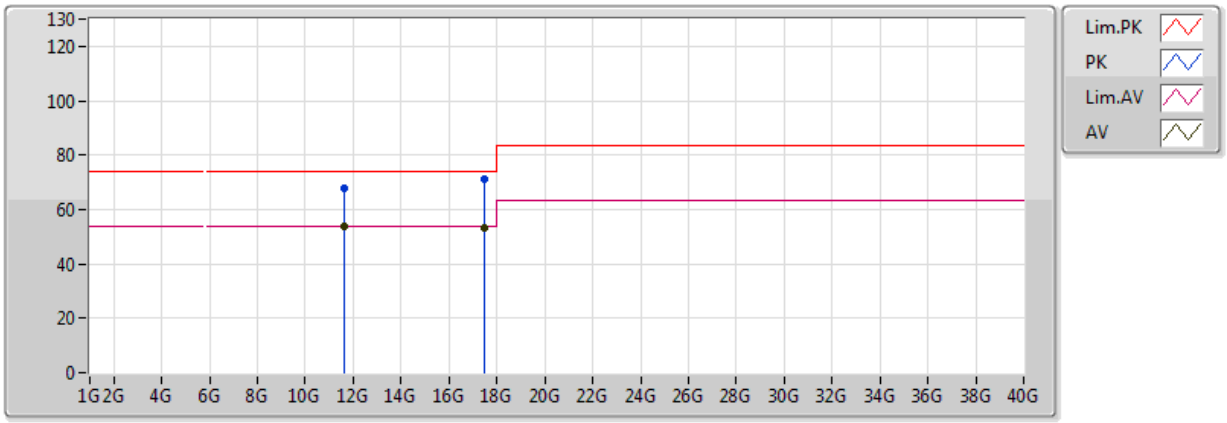



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.8226G | 102.36 | Inf | -Inf | 3.69 | 3 | H | 66 | 2.81 | - |
| PK | 5.5658G | 57.53 | 68.20 | -10.67 | 3.21 | 3 | H | 66 | 2.81 | - |
| PK | 5.8226G | 112.30 | Inf | -Inf | 3.69 | 3 | H | 66 | 2.81 | - |
| PK | 5.9366G | 58.49 | 68.20 | -9.71 | 3.90 | 3 | H | 66 | 2.81 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5825MHz_TX

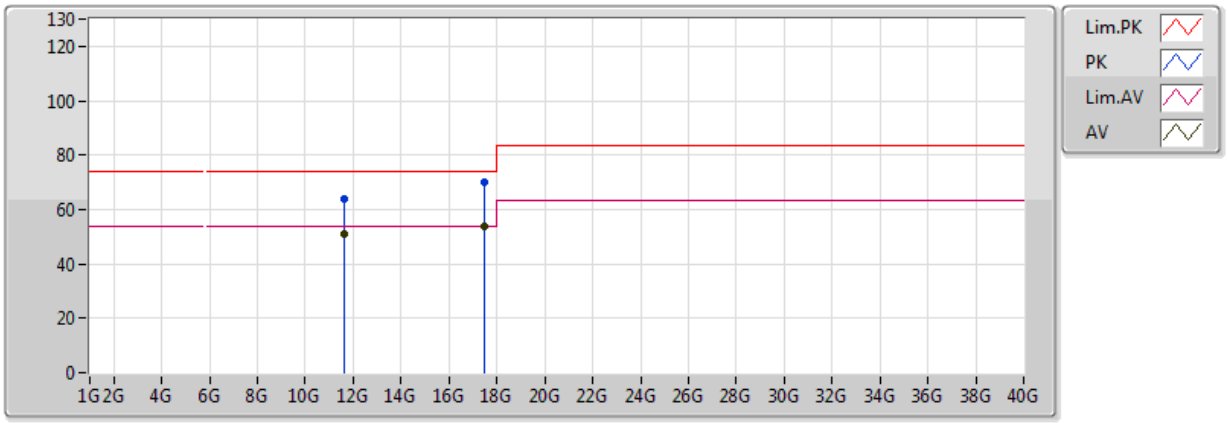



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.65G | 53.61 | 54.00 | -0.39 | 13.05 | 3 | V | 93 | 2.11 | - |
| AV | 17.475G | 53.15 | 54.00 | -0.85 | 19.68 | 3 | V | 27 | 1.59 | - |
| PK | 11.65G | 68.02 | 74.00 | -5.98 | 13.05 | 3 | V | 93 | 2.11 | - |
| PK | 17.475G | 71.02 | 74.00 | -2.98 | 19.68 | 3 | V | 27 | 1.59 | - |

## 802.11ac VHT20_Nss1,(MCS0)_1TX

## 5825MHz_TX

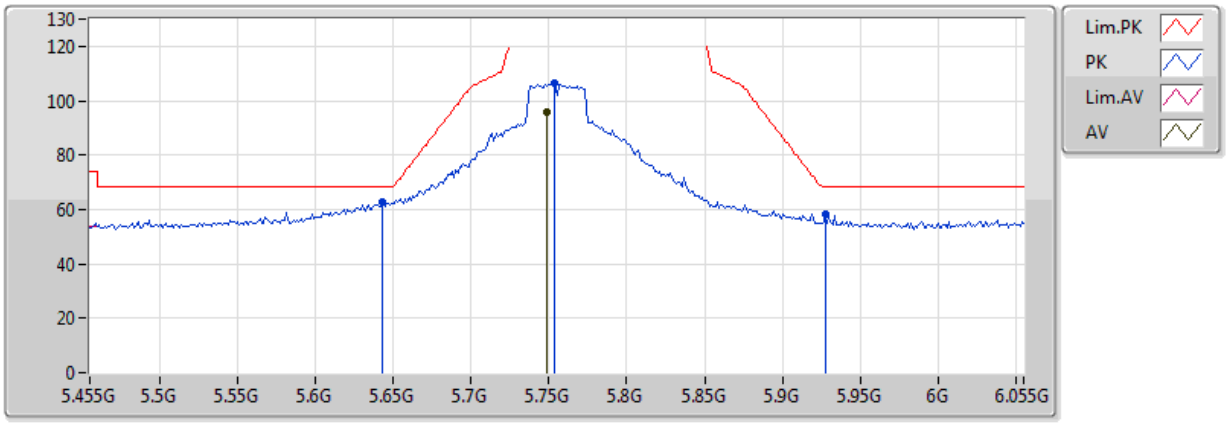



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.65G | 50.84 | 54.00 | -3.16 | 13.05 | 3 | H | 329 | 1.58 | - |
| AV | 17.475G | 53.76 | 54.00 | -0.24 | 19.68 | 3 | H | 337 | 1.58 | - |
| PK | 11.65G | 64.15 | 74.00 | -9.85 | 13.05 | 3 | H | 329 | 1.58 | - |
| PK | 17.475G | 69.77 | 74.00 | -4.23 | 19.68 | 3 | H | 337 | 1.58 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5755MHz_TX

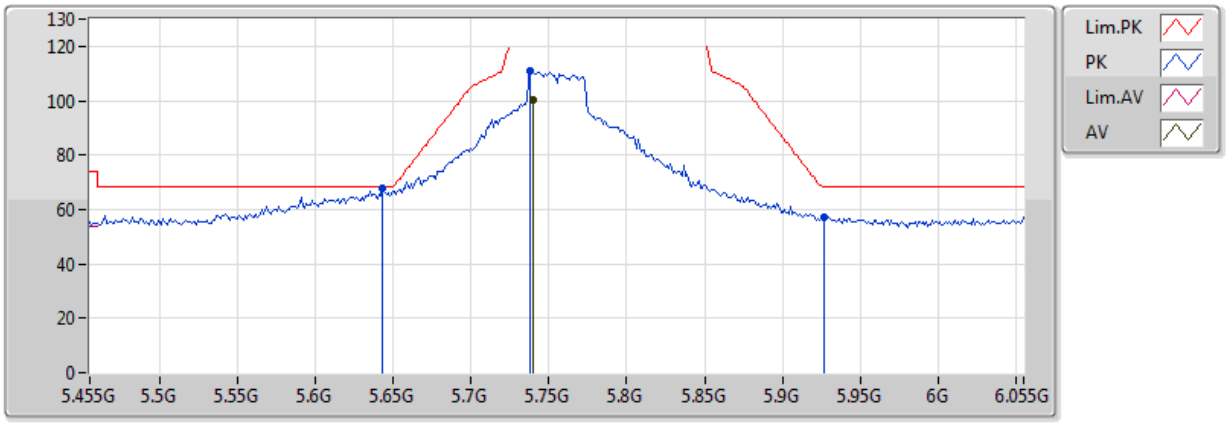



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.749G | 95.84 | Inf | -Inf | 3.55 | 3 | V | 183 | 2.79 | - |
| PK | 5.6434G | 62.58 | 68.20 | -5.62 | 3.35 | 3 | V | 183 | 2.79 | - |
| PK | 5.7538G | 106.40 | Inf | -Inf | 3.56 | 3 | V | 183 | 2.79 | - |
| PK | 5.9278G | 58.30 | 68.20 | -9.90 | 3.88 | 3 | V | 183 | 2.79 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5755MHz_TX

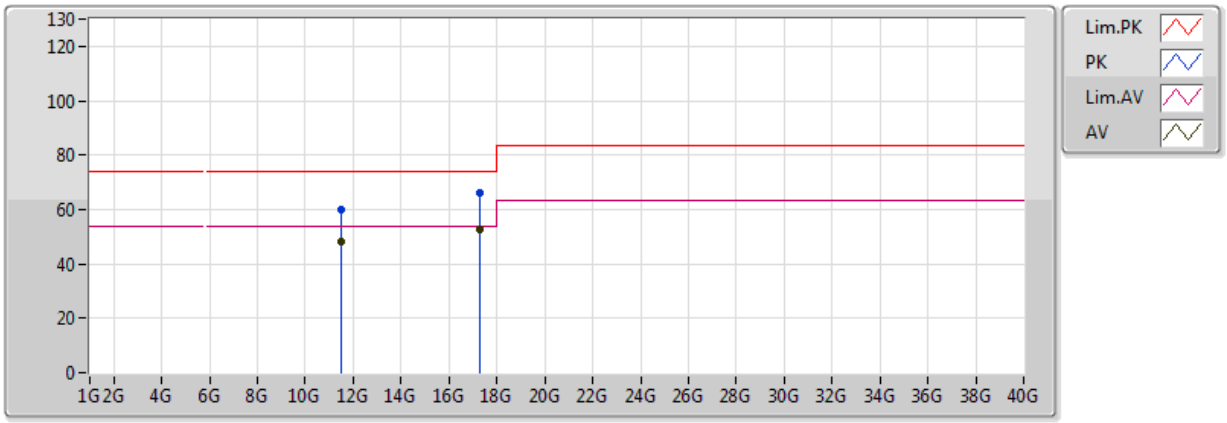



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.7394G | 100.51 | Inf | -Inf | 3.53 | 3 | H | 67 | 3.01 | - |
| PK | 5.7382G | 110.69 | Inf | -Inf | 3.53 | 3 | H | 67 | 3.01 | - |
| PK | 5.6434G | 67.85 | 68.20 | -0.35 | 3.35 | 3 | H | 67 | 3.01 | - |
| PK | 5.9266G | 57.28 | 68.20 | -10.92 | 3.88 | 3 | H | 67 | 3.01 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5755MHz_TX

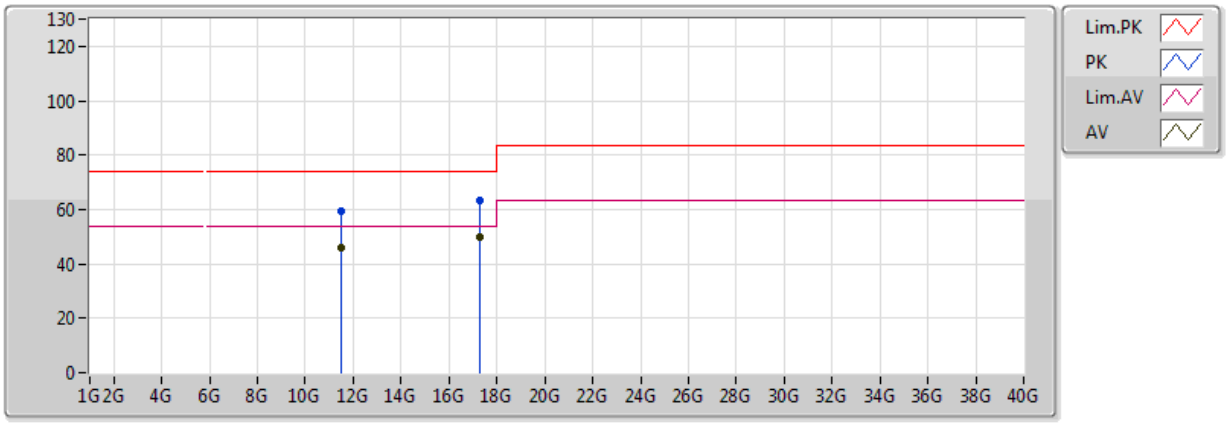



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.51G | 48.27 | 54.00 | -5.73 | 13.23 | 3 | V | 90 | 2.25 | - |
| AV | 17.265G | 52.84 | 54.00 | -1.16 | 18.29 | 3 | V | 92 | 1.63 | - |
| PK | 11.51G | 59.91 | 74.00 | -14.09 | 13.23 | 3 | V | 90 | 2.25 | - |
| PK | 17.265G | 66.38 | 74.00 | -7.62 | 18.29 | 3 | V | 92 | 1.63 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5755MHz_TX

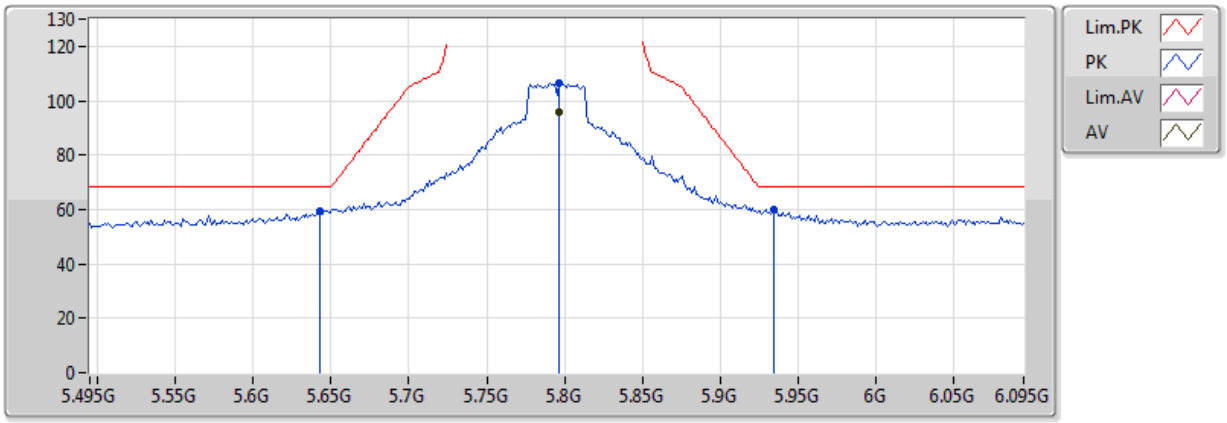



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.51G | 46.04 | 54.00 | -7.96 | 13.23 | 3 | H | 326 | 2.17 | - |
| AV | 17.265G | 49.64 | 54.00 | -4.36 | 18.29 | 3 | H | 46 | 1.35 | - |
| PK | 11.51G | 59.34 | 74.00 | -14.66 | 13.23 | 3 | H | 326 | 2.17 | - |
| PK | 17.265G | 63.24 | 74.00 | -10.76 | 18.29 | 3 | H | 46 | 1.35 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5795MHz_TX

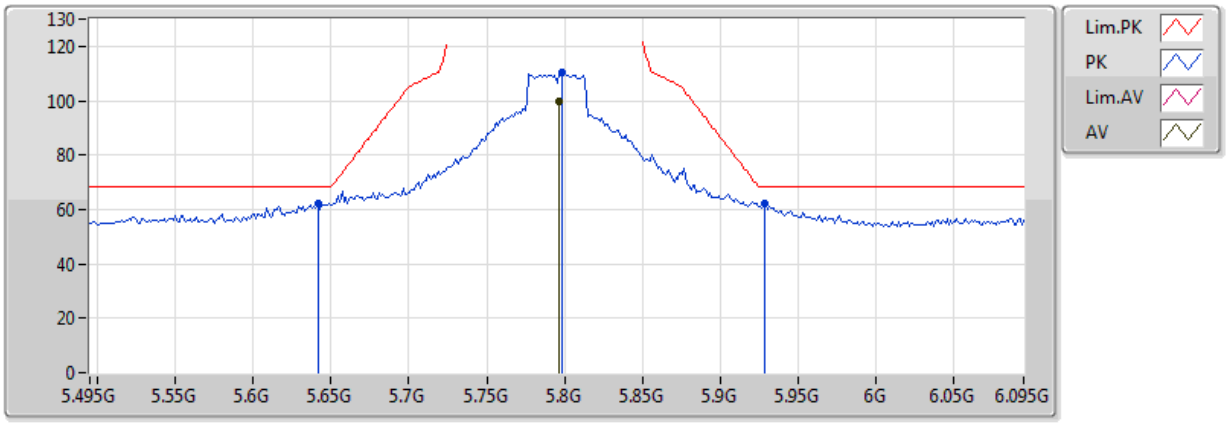



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.7962G | 95.99 | Inf | -Inf | 3.64 | 3 | V | 190 | 2.64 | - |
| PK | 5.6426G | 59.60 | 68.20 | -8.60 | 3.35 | 3 | V | 190 | 2.64 | - |
| PK | 5.7962G | 106.37 | Inf | -Inf | 3.64 | 3 | V | 190 | 2.64 | - |
| PK | 5.9342G | 60.13 | 68.20 | -8.07 | 3.89 | 3 | V | 190 | 2.64 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5795MHz_TX

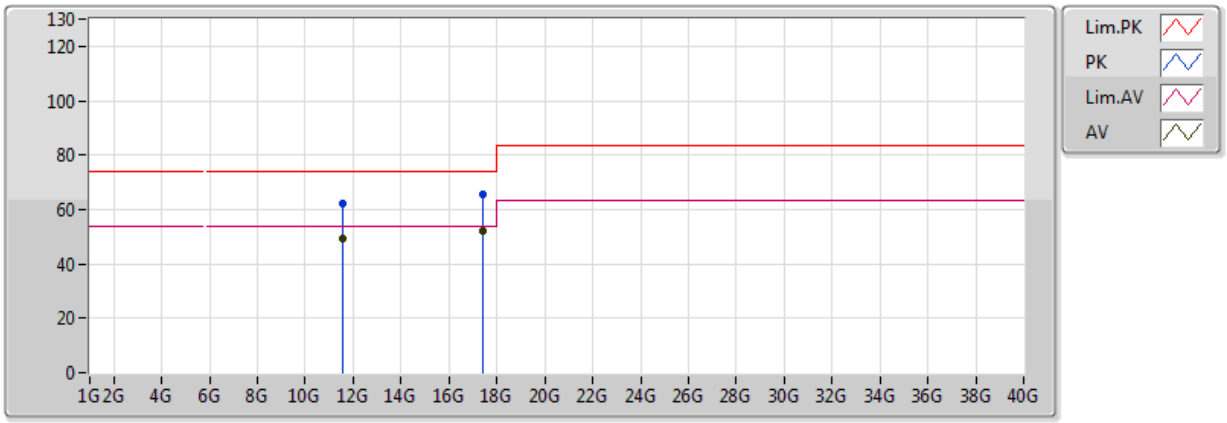



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.7962G | 99.86 | Inf | -Inf | 3.64 | 3 | H | 67 | 3.09 | - |
| PK | 5.6414G | 62.09 | 68.20 | -6.11 | 3.34 | 3 | H | 67 | 3.09 | - |
| PK | 5.7986G | 110.39 | Inf | -Inf | 3.65 | 3 | H | 67 | 3.09 | - |
| PK | 5.9282G | 62.00 | 68.20 | -6.20 | 3.88 | 3 | H | 67 | 3.09 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5795MHz_TX

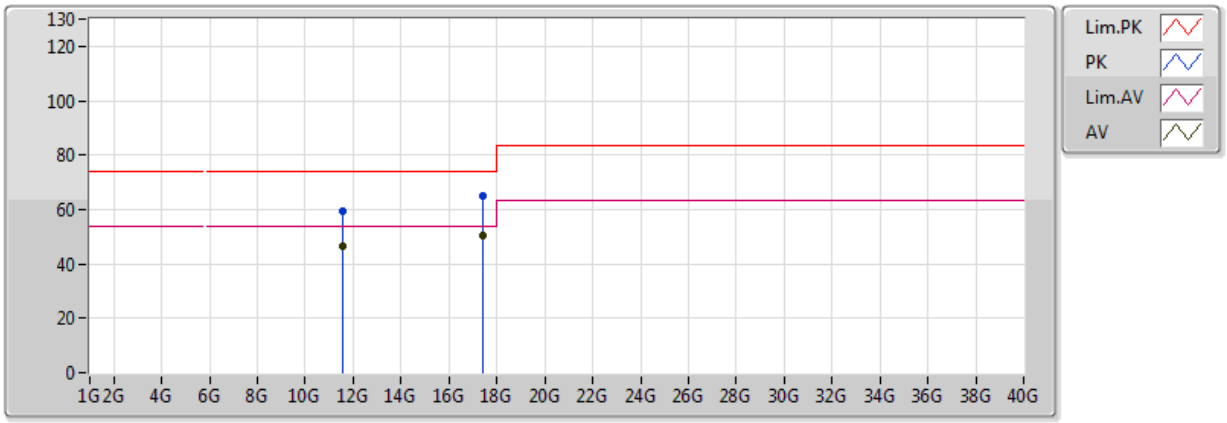



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.59G | 49.19 | 54.00 | -4.81 | 13.13 | 3 | V | 91 | 2.13 | - |
| AV | 17.385G | 51.93 | 54.00 | -2.07 | 19.08 | 3 | V | 0 | 1.53 | - |
| PK | 11.59G | 61.96 | 74.00 | -12.04 | 13.13 | 3 | V | 91 | 2.13 | - |
| PK | 17.385G | 65.29 | 74.00 | -8.71 | 19.08 | 3 | V | 0 | 1.53 | - |

## 802.11ac VHT40_Nss1,(MCS0)_1TX

## 5795MHz_TX

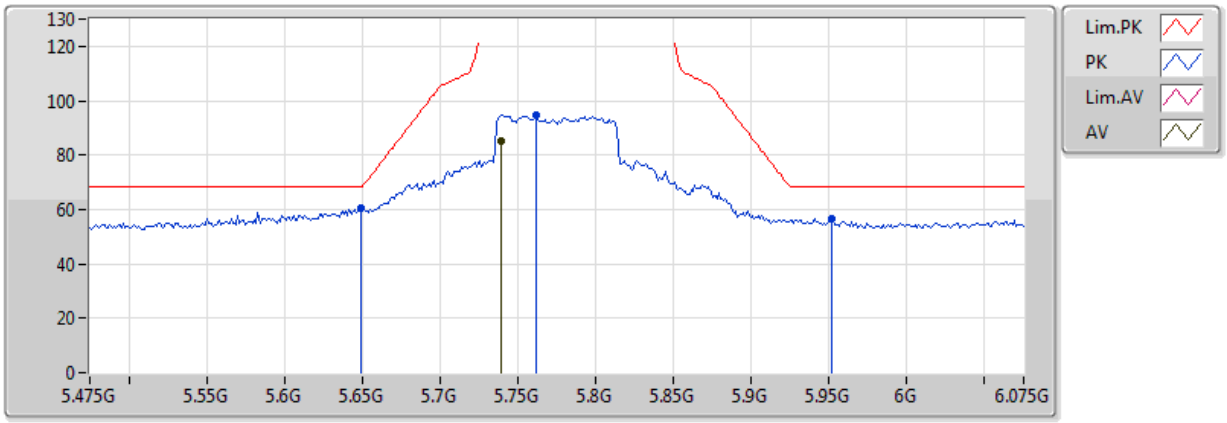



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.59G | 46.38 | 54.00 | -7.62 | 13.13 | 3 | H | 323 | 2.12 | - |
| AV | 17.385G | 50.21 | 54.00 | -3.79 | 19.08 | 3 | H | 337 | 1.59 | - |
| PK | 11.59G | 59.21 | 74.00 | -14.79 | 13.13 | 3 | H | 323 | 2.12 | - |
| PK | 17.385G | 64.73 | 74.00 | -9.27 | 19.08 | 3 | H | 337 | 1.59 | - |

## 802.11ac VHT80_Nss1,(MCS0)_1TX

## 5775MHz_TX

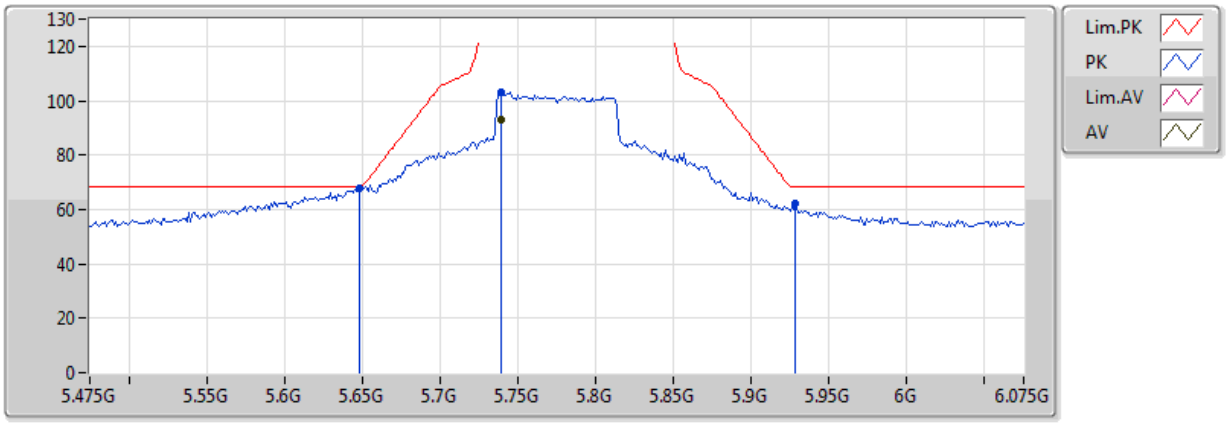



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.739G | 85.11 | Inf | -Inf | 3.53 | 3 | V | 171 | 1.50 | - |
| PK | 5.649G | 60.24 | 68.20 | -7.96 | 3.36 | 3 | V | 171 | 1.50 | - |
| PK | 5.7618G | 94.67 | Inf | -Inf | 3.57 | 3 | V | 171 | 1.50 | - |
| PK | 5.9514G | 56.77 | 68.20 | -11.43 | 3.93 | 3 | V | 171 | 1.50 | - |

## 802.11ac VHT80_Nss1,(MCS0)_1TX

## 5775MHz_TX

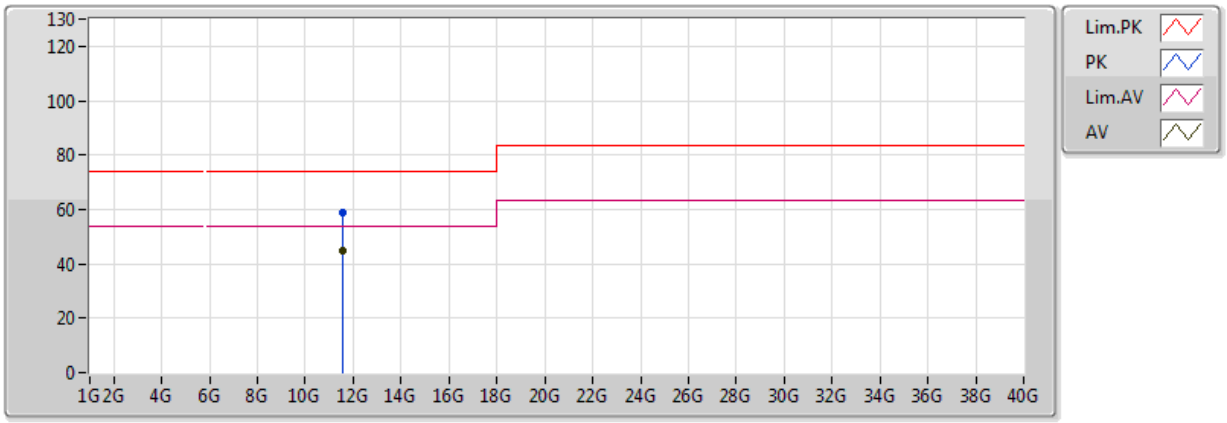



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 5.739G | 92.99 | Inf | -Inf | 3.53 | 3 | H | 317 | 2.11 | - |
| PK | 5.6478G | 67.83 | 68.20 | -0.37 | 3.36 | 3 | H | 317 | 2.11 | - |
| PK | 5.739G | 102.92 | Inf | -Inf | 3.53 | 3 | H | 317 | 2.11 | - |
| PK | 5.9286G | 62.10 | 68.20 | -6.10 | 3.88 | 3 | H | 317 | 2.11 | - |

## 802.11ac VHT80_Nss1,(MCS0)_1TX

## 5775MHz_TX

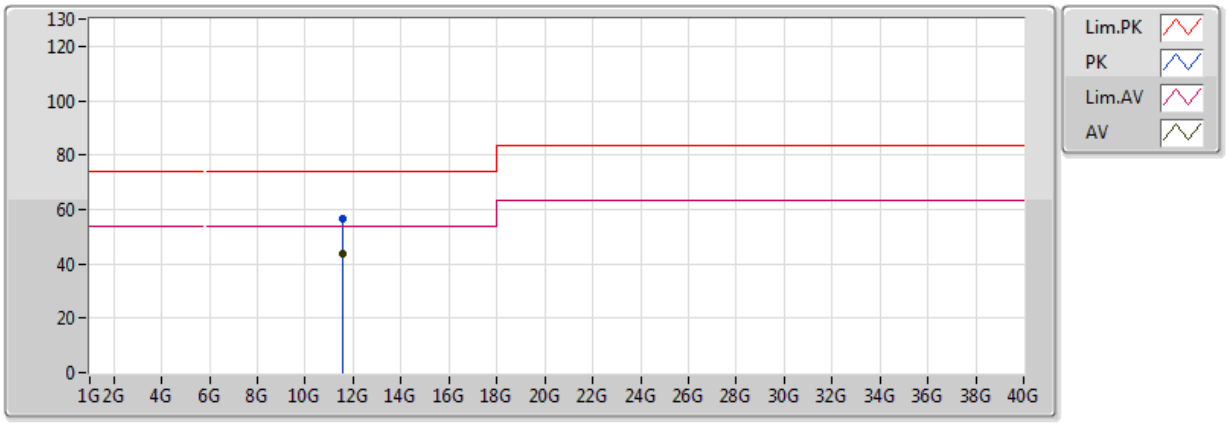



EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.55G | 44.97 | 54.00 | -9.03 | 13.18 | 3 | V | 279 | 1.67 | - |
| PK | 11.55G | 59.11 | 74.00 | -14.89 | 13.18 | 3 | V | 279 | 1.67 | - |

## 802.11ac VHT80_Nss1,(MCS0)_1TX

## 5775MHz_TX




EUT=Z

| Type | Freq(Hz) | Level(dBuV/m) | Limit(dBuV/m) | Margin(dB) | Factor(dB) | Dist(m) | Pol.(H/V) | Azimuth(°) | Height(m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| AV | 11.55G | 43.84 | 54.00 | -10.16 | 13.18 | 3 | H | 328 | 1.79 | - |
| PK | 11.55G | 56.71 | 74.00 | -17.29 | 13.18 | 3 | H | 328 | 1.79 | - |

**Summary**

| Mode | Result | Ch (Hz) | Center (Hz) | ppm | Limit (ppm) | Port | Remark |
|---|---|---|---|---|---|---|---|
| 802.11a_(6Mbps)_1TX | - | - | - | - | - | - | - |
| 5.15-5.25GHz | Pass | 5.2G | 5.19996048G | 7.599 | 20 | 1 | 10 min |

**Result**

| Mode | Result | Ch (Hz) | Center (Hz) | ppm | Limit (ppm) | Port | Remark |
|---|---|---|---|---|---|---|---|
| 802.11a_(6Mbps)_1TX | - | - | - | - | - | - | - |
| 5200MHz_0°C | Pass | 5.2G | 5.20001115G | 2.145 | 20 | 1 | 0 min |
| 5200MHz_0°C | Pass | 5.2G | 5.20001101G | 2.118 | 20 | 1 | 2 min |
| 5200MHz_0°C | Pass | 5.2G | 5.20001098G | 2.111 | 20 | 1 | 5 min |
| 5200MHz_0°C | Pass | 5.2G | 5.20001117G | 2.148 | 20 | 1 | 10 min |
| 5200MHz_10°C | Pass | 5.2G | 5.19999423G | 1.109 | 20 | 1 | 0 min |
| 5200MHz_10°C | Pass | 5.2G | 5.19999405G | 1.144 | 20 | 1 | 2 min |
| 5200MHz_10°C | Pass | 5.2G | 5.19999425G | 1.105 | 20 | 1 | 5 min |
| 5200MHz_10°C | Pass | 5.2G | 5.19999405G | 1.145 | 20 | 1 | 10 min |
| 5200MHz_20°C | Pass | 5.2G | 5.19997858G | 4.118 | 20 | 1 | 0 min |
| 5200MHz_20°C | Pass | 5.2G | 5.19997868G | 4.1 | 20 | 1 | 2 min |
| 5200MHz_20°C | Pass | 5.2G | 5.19997863G | 4.11 | 20 | 1 | 5 min |
| 5200MHz_20°C | Pass | 5.2G | 5.19997856G | 4.122 | 20 | 1 | 10 min |
| 5200MHz_30°C | Pass | 5.2G | 5.19996831G | 6.094 | 20 | 1 | 0 min |
| 5200MHz_30°C | Pass | 5.2G | 5.19996875G | 6.009 | 20 | 1 | 2 min |
| 5200MHz_30°C | Pass | 5.2G | 5.19996865G | 6.029 | 20 | 1 | 5 min |
| 5200MHz_30°C | Pass | 5.2G | 5.19996849G | 6.061 | 20 | 1 | 10 min |
| 5200MHz_40°C | Pass | 5.2G | 5.19996056G | 7.585 | 20 | 1 | 0 min |
| 5200MHz_40°C | Pass | 5.2G | 5.19996059G | 7.578 | 20 | 1 | 2 min |
| 5200MHz_40°C | Pass | 5.2G | 5.19996053G | 7.59 | 20 | 1 | 5 min |
| 5200MHz_40°C | Pass | 5.2G | 5.19996048G | 7.599 | 20 | 1 | 10 min |
| 5200MHz_138V | Pass | 5.2G | 5.19998117G | 3.621 | 20 | 1 | 0 min |
| 5200MHz_138V | Pass | 5.2G | 5.19998123G | 3.609 | 20 | 1 | 2 min |
| 5200MHz_138V | Pass | 5.2G | 5.19998154G | 3.55 | 20 | 1 | 5 min |
| 5200MHz_138V | Pass | 5.2G | 5.19998146G | 3.565 | 20 | 1 | 10 min |
| 5200MHz_120V | Pass | 5.2G | 5.19998141G | 3.575 | 20 | 1 | 0 min |
| 5200MHz_120V | Pass | 5.2G | 5.19998111G | 3.633 | 20 | 1 | 2 min |
| 5200MHz_120V | Pass | 5.2G | 5.1999813G | 3.596 | 20 | 1 | 5 min |
| 5200MHz_120V | Pass | 5.2G | 5.19998121G | 3.613 | 20 | 1 | 10 min |
| 5200MHz_102V | Pass | 5.2G | 5.19998101G | 3.652 | 20 | 1 | 0 min |
| 5200MHz_102V | Pass | 5.2G | 5.19998074G | 3.704 | 20 | 1 | 2 min |
| 5200MHz_102V | Pass | 5.2G | 5.19998075G | 3.702 | 20 | 1 | 5 min |
| 5200MHz_102V | Pass | 5.2G | 5.19998078G | 3.696 | 20 | 1 | 10 min |