# FCC Radio Test Report

| | | |
|---|---|---|
| **FCC ID** | : | **HDC-17600030F1** |
| **Contains FCC ID** | : | **HDC-649B** |
| **Equipment** | : | **WiFi 6 Mesh AP** |
| **Brand Name** | : | ADTRAN® |
| **Model Name** | : | **841-t6YYYYYY(Y can be 0-9, a-z, A-Z, blank, "+" or "-" or "#")** |
| **Part Number** | : | **17600030FYYYYYYY(Y can be 0-9, a-z, A-Z, blank, "+" or "-" or "#")** |
| **Applicant** | : | **Adtran<br>901 Explorer Blvd., Huntsville, AL 35806, USA** |
| **Manufacturer** | : | **XAVi Technologies Corporation<br>22F., No.69, Sec. 2, Guangfu Rd., Sanchong Dist., New Taipei City 241, Taiwan (R.O.C.)** |
| **Standard** | : | **47 CFR FCC Part 15.407** |

**The product was received on Sep. 16, 2021, and testing was started from Sep. 16, 2021 and completed on Sep. 30, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.**

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

Allen Lin

**Approved by: Allen Lin**

***SPORTON INTERNATIONAL INC. Hsinhua Laboratory***

*No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)*

# Table of Contents

# History of this test report

| Report No. | Version | Description | Issued Date |
|---|---|---|---|
| FR182051-01AN | 01 | Initial issue of report | Dec. 17, 2021 |
| FR182051-01AN | 02 | Revised Section 1.1.2 Antenna information and Section 1.1.6 Table for Permissive Change This report is the latest version replacing for the report issued on Dec. 17, 2021 | Mar. 17, 2022 |
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# Summary of Test Result

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

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

**Reviewed by: Ben Tseng**

**Report Producer: Jenny Yang**

# 1 General Description

## 1.1 Information

The EUT contains certified module FCC ID: HDC-649B for WLAN 5G High Band.

### 1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
|---|---|---|---|
| 5250-5350 | a, n (HT20), ac (VHT20), ax(HEW20) | 5260-5320 | 52-64 [4] |
| 5250-5350 | n (HT40), ac (VHT40), ax(HEW40) | 5270-5310 | 54-62 [2] |
| 5250-5350 | ac (VHT80), ax(HEW80) | 5290 | 58 [1] |

**Non-Beamforming**

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.25-5.35GHz | 802.11a | 20 | 2TX |
| 5.25-5.35GHz | 802.11ax HEW20 | 20 | 2TX |
| 5.25-5.35GHz | 802.11ax HEW40 | 40 | 2TX |
| 5.25-5.35GHz | 802.11ax HEW80 | 80 | 2TX |

**Beamforming**

| Band | Mode | BWch (MHz) | Nant |
|---|---|---|---|
| 5.25-5.35GHz | 802.11ax HEW20-BF | 20 | 2TX |
| 5.25-5.35GHz | 802.11ax HEW40-BF | 40 | 2TX |
| 5.25-5.35GHz | 802.11ax HEW80-BF | 80 | 2TX |

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

### 1.1.2 Antenna Information

| Ant. | Brand | Model Name | Antenna Type | Connector | Support |
|---|---|---|---|---|---|
| 1 | Galtronics | 02036142-07357-1 | PIFA | N/A | 5G DFS RX |
| 2 | Galtronics | 02036073-07357-3 | PIFA | N/A | BT |
| 3 | Galtronics | 60-2962-03-4 | PCB | U.FL | 2.4G+5G |
| 4 | Galtronics | 60-2962-03-3 | PCB | U.FL | 2.4G+5G |

**Non-Beamforming**

| Ant. | Port | Gain (dBi) | | |
|---|---|---|---|---|
| | | 2.4G | 5G | BT |
| 1 | 1 | - | 4.7 | - |
| 2 | 1 | - | - | 5.3 |
| 3 | 1 | 2.7 | 3.7 | - |
| 4 | 2 | 2.7 | 3.7 | - |

Note 1: The EUT has eight antennas.

**For 2.4GHz function:**

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

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

**For BT function:**

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

Only Ant. 2 (port 1) can be used as transmitting/receiving.

**For 5GHz function (Low Band):**

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

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

Note2: Directional gain information

| | Maximum Output Power | Power Spectral Density |
|---|---|---|
| **Non-BF** | Directional gain = Max.gain + array gain.<br>For power measurements on IEEE 802.11 devices<br>Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4 | $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ |
| **BF** | $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ | $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ |

Ex.

Directional gain(NSS1) formula : $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$

$NSS1(g1,1) = 10^{G1/20}$ ; $NSS1(g1,2) = 10^{G2/20}$ ; $gj,k = (Nss1(g1,1) + Nss1(g1,2))^2$

$DG = 10 \log[(Nss1(g1,1) + Nss1(g1,2))^2 / N_{ANT}] => 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$

5GHz $DG = 10 \log[(10^{3.7/20} + 10^{3.7/20})^2 / N_{ANT}] = 6.71$ dBi

### 1.1.3 EUT Information

| Operational Condition | | | | |
|---|---|---|---|---|
| **EUT Power Type** | From AC Adapter | | | |
| **EUT Function** | ☐ | Outdoor AP | ☒ | Indoor AP |
| | ☐ | Fixed P2P AP | ☐ | Outdoor/Indoor Client |
| **Beamforming Function** | ☒ | With beamforming | ☐ | Without beamforming |
| **TPC Function** | ☒ | With TPC Function | ☐ | Without TPC Function |
| **Weather Band** | ☒ | With 5600~5650MHz | ☐ | Without 5600~5650MHz |
| **Resource Unit(802.11ax)** | ☒ | Full RU | ☐ | Partial RU |

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

### 1.1.4 Mode Test Duty Cycle

**Non-Beamforming**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | 0.918 | 0.37 | 1.398m | 1k |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 0.895 | 0.48 | 1.03m | 1k |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 0.801 | 0.96 | 550u | 3k |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 0.691 | 1.61 | 298.438u | 10k |

**Beamforming**

| Mode | DC | DCF(dB) | T(s) | VBW(Hz) ≥ 1/T |
|---|---|---|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_4TX | 0.977 | 0.1 | 3.786m | 300 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_4TX | 0.955 | 0.2 | 1.923m | 1k |
| 802.11ax HEW80-BF_Nss1,(MCS0)_4TX | 0.911 | 0.4 | 948.438u | 3k |

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

### 1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

| Model Name | Description |
|---|---|
| 841-t6YYYYYY(Y can be 0-9, a-z, A-Z, blank, “+” or “-” or “#”) | All the models are identical, the difference model served as marketing strategy. |

### 1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR182051AN

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

| Modifications | Performance Checking |
|---|---|
| Frequency band U-NII-2A was added | Emission Bandwidth, Maximum Conducted Output Power, Peak Power Spectral Density and Unwanted Emissions above 1GHz were evaluated |

## 1.2 Testing Applied Standards

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

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

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

- KDB 662911 D01 v02r01
- KDB 414788 D01 v01r01

## 1.3 Testing Location Information

| **Test Lab.：Sporton International Inc. Hsinhua Laboratory** | | | | |
|---|---|---|---|---|
| ☒ Hsinhua **(TAF:** 3785**)** | **ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.) | | | |
| | **TEL:** 886-3-327-3456 | | **FAX:** 886-3-327-0973 | |
| Test site Designation No. TW3785 with FCC. | | | | |
| **Test Condition** | **Test Site No.** | **Test Engineer** | **Test Environment** | **Test Date** |
| RF Conducted | TH01-HY | Johnny Yu | 20.3~26.7°C / 52~61% | 16/Sep/2021~30/Sep/2021 |
| Radiated | 03CH03-HY | Edward Wang | 24.2~25.2°C / 50~60% | 21/Sep/2021~25/Sep/2021 |
| ☐ Wen 33rd.St. **(TAF:** 3785**)** | **ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) | | | |
| | **TEL:** 886-3-318-0787 | | **FAX:** 886-3-318-0287 | |
| Test site Designation No. TW0008 with FCC. | | | | |

## 1.4 Measurement Uncertainty

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

| **Test Items** | **Uncertainty** | **Remark** |
|---|---|---|
| Radiated Emission (1GHz ~ 18GHz) | 3.6 dB | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz) | 3.5 dB | Confidence levels of 95% |
| Conducted Emission | 1.0 dB | Confidence levels of 95% |
| Temperature | 0.41 °C | Confidence levels of 95% |
| Humidity | 3.4 % | Confidence levels of 95% |

# 2 Test Configuration of EUT

## 2.1 Test Channel Mode

**Non-Beamforming**

| Test Software Version | QATool_Dbg |
|---|---|

| Mode | Power Setting |
|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | - |
| 5260MHz | 18.5 |
| 5300MHz | 16.5 |
| 5320MHz | 15.5 |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | - |
| 5260MHz | 19 |
| 5300MHz | 17 |
| 5320MHz | 14.5 |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | - |
| 5270MHz | 20.5 |
| 5310MHz | 16 |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | - |
| 5290MHz | 17 |

**Beamforming**

| Test Software Version | CMD |
|---|---|

| Mode | Power Setting |
|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | - |
| 5260MHz | 40 |
| 5300MHz | 38 |
| 5320MHz | 37 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | - |
| 5270MHz | 40 |
| 5310MHz | 36 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | - |
| 5290MHz | 35 |

## 2.2 The Worst Case Measurement Configuration

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

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

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| **Tests Item** | Simultaneous Transmission Analysis |
| **Operating Mode** | CTX |
| 1 | Bluetooth+WLAN 2.4GHz+WLAN 5GHz (Low Band)+WLAN 5GHz (High Band) |
| Refer to Sporton Test Report No.: FA182051-01 for Co-location RF Exposure Evaluation. | |

## 2.3 Accessories

| Accessories | | | | |
|---|---|---|---|---|
| AC Adapter | Brand Name | MASS POWER | Model Name | S030-1A120250VU |
| | Power Rating | I/P: 100 - 240 Vac, 0.8 A, O/P: 12.0 Vdc, 2.5 A | | |
| | Power Cord | 1.45 meter, non-shielded cable, w/o ferrite core | | |

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

## 2.4 Support Equipment

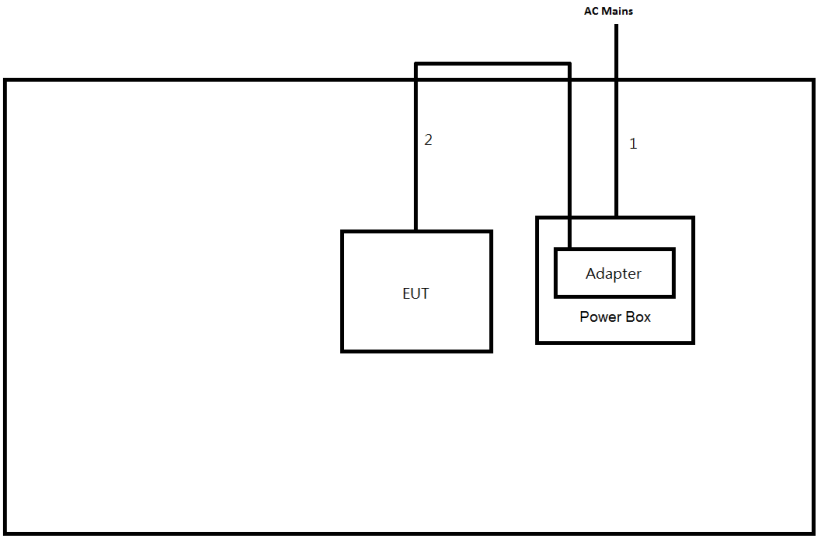
| Support Equipment – Conducted | | | | | |
|---|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** | **Remark** |
| 1 | Notebook | DELL | E5410 | - | - |
| 2 | Adapter for NB | DELL | HA65NM130 | - | - |
| 3 | BF Client | 841-T6 | HA65NM130 | - | - |
| 4 | Adapter for BF Client | MASS POWER | S050-1A120400B3 | - | - |

| Support Equipment – Radiated | | | | | |
|---|---|---|---|---|---|
| **No.** | **Equipment** | **Brand Name** | **Model Name** | **FCC ID** | **Remark** |
| 1 | Client (Remote) | ADTRAN | 841-T6 | - | Note 1 |
| 2 | Adapter for Client (Remote) | MASS POWER | S030-1A120250VU | - | Note 1 |

Note 1: Provided by Customer.

## 2.5 Test Setup Diagram

**Test Setup Diagram - Radiated Test**




| Item | Connection | Shielded | Length(m) | Remark |
|---|---|---|---|---|
| 1 | AC Power cable | No | 1.8 | - |
| 2 | DC Power cable | No | 1.45 | - |

# 3 Transmitter Test Result

## 3.1 Emission Bandwidth

### 3.1.1 Emission Bandwidth Limit

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

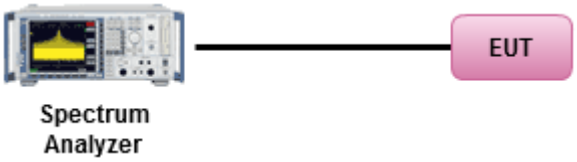
### 3.1.2 Measuring Instruments

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

### 3.1.3 Test Procedures

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

### 3.1.4 Test Setup

| Emission Bandwidth |
|---|
|   |

### 3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

## 3.2 Maximum Conducted Output Power

### 3.2.1 Maximum Conducted Output Power Limit

| Maximum Conducted Output Power Limit | |
|---|---|
| **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. | |

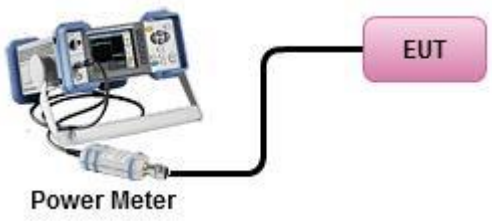
### 3.2.2 Measuring Instruments

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

### 3.2.3 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>$EIRP_{total} = P_{total} + DG$ |

### 3.2.4 Test Setup

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

### 3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

## 3.3 Peak Power Spectral Density

### 3.3.1 Peak Power Spectral Density Limit

| Peak Power Spectral Density Limit | |
|---|---|
| **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. | |

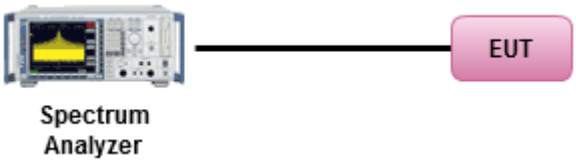
### 3.3.2 Measuring Instruments

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

### 3.3.3 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>$EIRP_{total} = PPSD_{total} + DG$ | |

### 3.3.4 Test Setup

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

### 3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

## 3.4 Unwanted Emissions

### 3.4.1 Transmitter Radiated Unwanted Emissions Limit

| Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit | | | |
|---|---|---|---|
| **Frequency Range (MHz)** | **Field Strength (uV/m)** | **Field Strength (dBuV/m)** | **Measure Distance (m)** |
| 0.009~0.490 | 2400/F(kHz) | 48.5 - 13.8 | 300 |
| 0.490~1.705 | 24000/F(kHz) | 33.8 - 23 | 30 |
| 1.705~30.0 | 30 | 29 | 30 |
| 30~88 | 100 | 40 | 3 |
| 88~216 | 150 | 43.5 | 3 |
| 216~960 | 200 | 46 | 3 |
| Above 960 | 500 | 54 | 3 |
| Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).<br>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.<br>Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m. | | | |

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

### 3.4.2 Measuring Instruments

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

### 3.4.3 Test Procedures

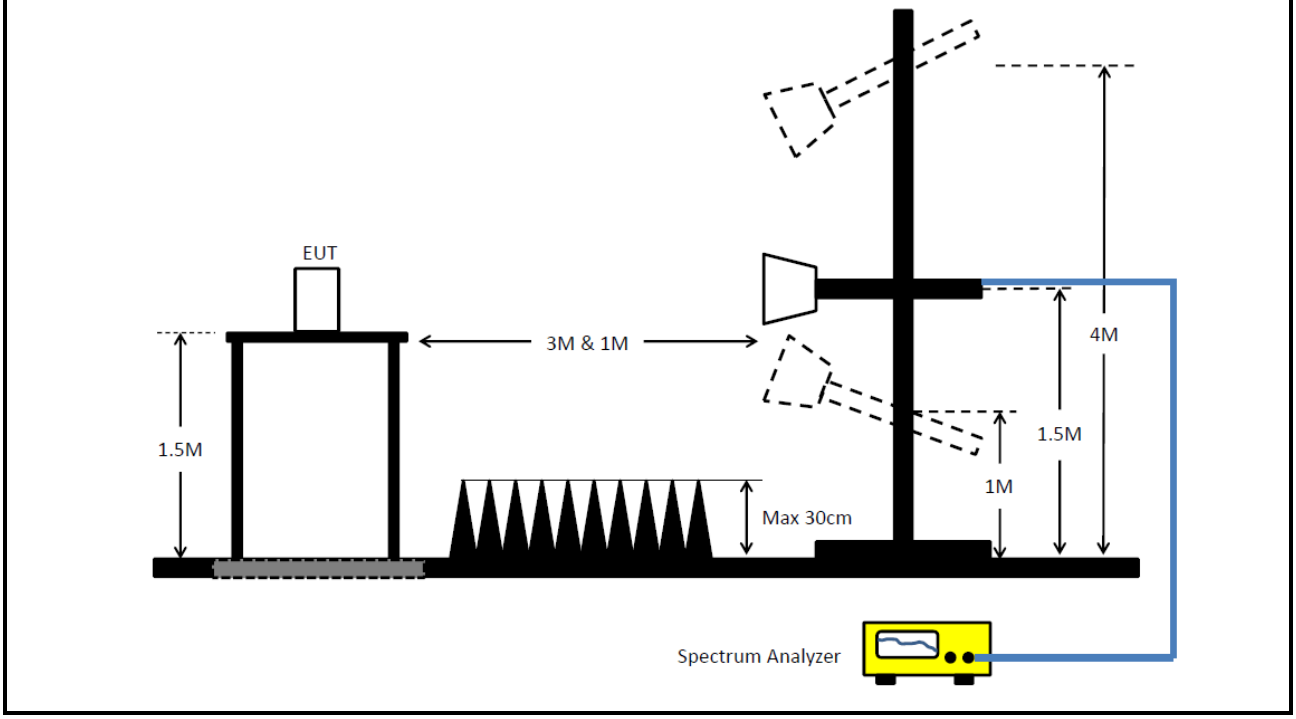
| Test Method |
|---|
| ▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for 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. |
| ▪ Use the following spectrum analyzer settings: |
| ▪ Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold. |
| ▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4. |
| ▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification. |
| ▪ Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field. |
| ▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result. |

### 3.4.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

### 3.4.5 Test Setup

| Transmitter Radiated Unwanted Emissions |
| --- |
| Above 1GHz |




### 3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

# 4 Test Equipment and Calibration Data

**Instrument for Conducted Test**

| Instrument | Manufacturer /Brand | Model No. | Serial No. | Spec. | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|---|
| Signal Analyzer | R&S | FSV 40 | 101013 | 10Hz~40GHz | 30/Mar/2021 | 29/Mar/2022 |
| SMB100A Signal Generator | R&S | SMB100A03 | 181147 | 100kHz~40GHz | 20/Oct/2020 | 19/Oct/2021 |
| Pulse Sensor | Anritsu | MA2411B | 0917017 | 300MHz~40GHz | 23/Feb/2021 | 22/Feb/2022 |
| Power Meter | Anritsu | ML2495A | 0949003 | 300MHz~40GHz | 23/Feb/2021 | 22/Feb/2022 |

**Instrument for Radiated Test**

| Instrument | Manufacturer /Brand | Model No. | Serial No. | Spec. | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|---|
| 3m Semi Anechoic Chamber | SIDT FRANKONIA | SAC-3M | 03CH03-HY | 1GHz~18GHz 3m | 03/Aug/2021 | 02/Aug/2022 |
| Signal Analyzer | R&S | FSV40 | 101515 | 10Hz~40GHz | 26/Mar/2021 | 25/Mar/2022 |
| Microwave System Preamplifier | Agilent | 8449B | 3008A02326 | 1GHz~26.5GHz | 15/Jul/2021 | 14/Jul/2022 |
| Double Ridged Guide Horn Antenna | SCHWARZBECK | BBHA 9120 D | BBHA 9120 D 1531 | 1GHz~18GHz | 24/Mar/2021 | 23/Mar/2022 |
| RF CABLE 5+6m | HUBER+SUHNER | SUOFLEX 104 | SN MY38596/4+SN 804300/4 | 1GHz~40GHz | 28/Jul/2021 | 27/Jul/2022 |
| Broadband Horn Antenna | SCHWARZBECK | BBHA 9170 | BBHA 9170221 | 15GHz~40GHz | 11/Mar/2021 | 10/Mar/2022 |
| Microwave Premplifier | EMC INSTRUMENTS | EM18G40G | 060604 | 18GHz ~ 40GHz | 09/Mar/2021 | 08/Mar/2022 |

**Summary**

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---|---|---|---|---|---|
| 5.25-5.35GHz | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 20.31M | 16.762M | 16M8D1D | 19.95M | 16.552M |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 30.78M | 19.16M | 19M2D1D | 23.22M | 19.07M |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 42.36M | 37.841M | 37M8D1D | 39.48M | 37.601M |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 80.16M | 76.522M | 76M5D1D | 80.04M | 76.402M |

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

**Result**

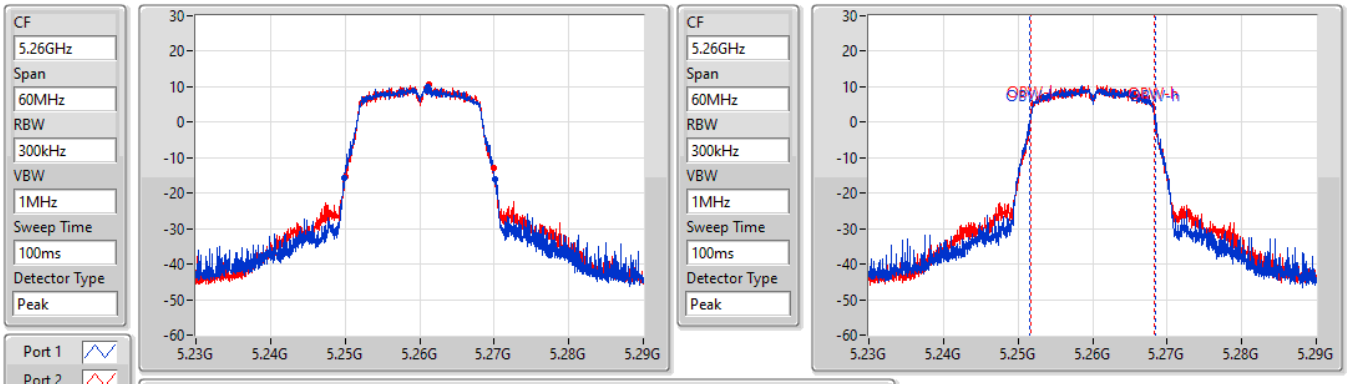
| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | Inf | 20.31M | 16.762M | 19.95M | 16.552M | | | | |
| 5300MHz | Pass | Inf | 20.25M | 16.732M | 20.1M | 16.582M | | | | |
| 5320MHz | Pass | Inf | 20.31M | 16.762M | 19.98M | 16.552M | | | | |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | Inf | 26.16M | 19.13M | 28.14M | 19.1M | | | | |
| 5300MHz | Pass | Inf | 23.22M | 19.07M | 30.12M | 19.16M | | | | |
| 5320MHz | Pass | Inf | 30.78M | 19.13M | 24.51M | 19.13M | | | | |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | Inf | 39.48M | 37.721M | 42.36M | 37.841M | | | | |
| 5310MHz | Pass | Inf | 39.6M | 37.601M | 39.54M | 37.601M | | | | |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | Inf | 80.16M | 76.402M | 80.04M | 76.522M | | | | |

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

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5260MHz

23/09/2021

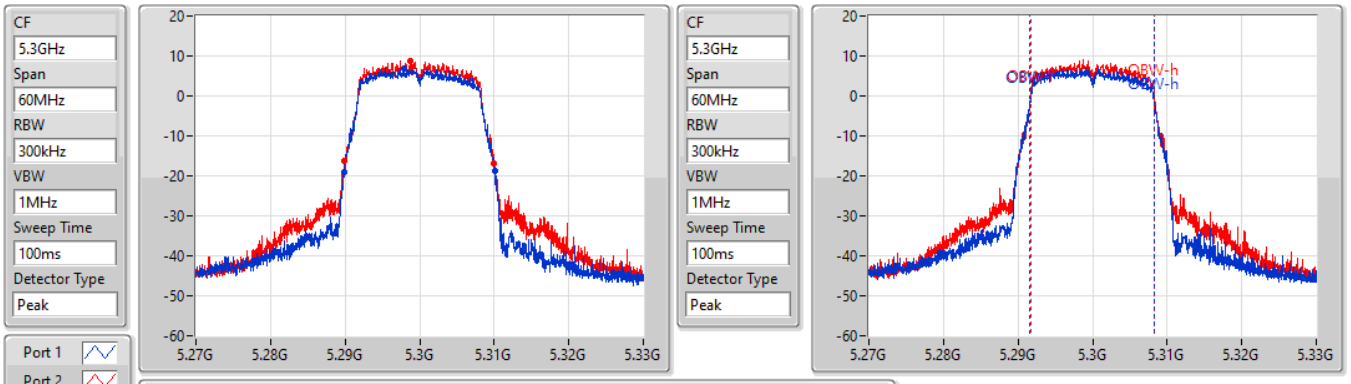



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 20.31M | 5.24983G | 5.27014G | 16.762M | 5.251634G | 5.268396G | Inf | 1 |
| 19.95M | 5.24998G | 5.26993G | 16.552M | 5.251754G | 5.268306G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

### 5300MHz

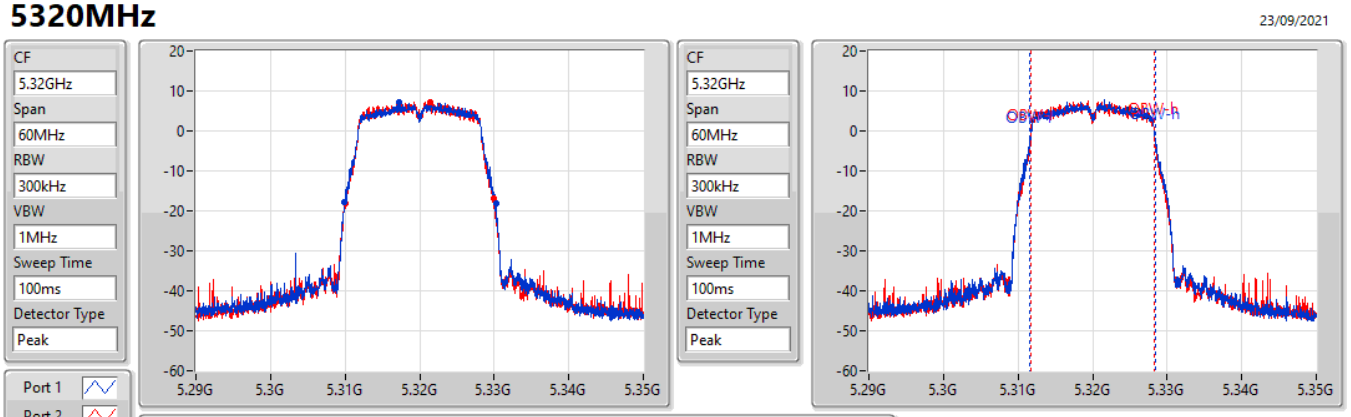
23/09/2021




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 20.25M | 5.28986G | 5.31011G | 16.732M | 5.291574G | 5.308306G | Inf | 1 |
| 20.1M | 5.28989G | 5.30999G | 16.582M | 5.291694G | 5.308276G | Inf | 2 |

## 802.11a_Nss1,(6Mbps)_2TX EBW

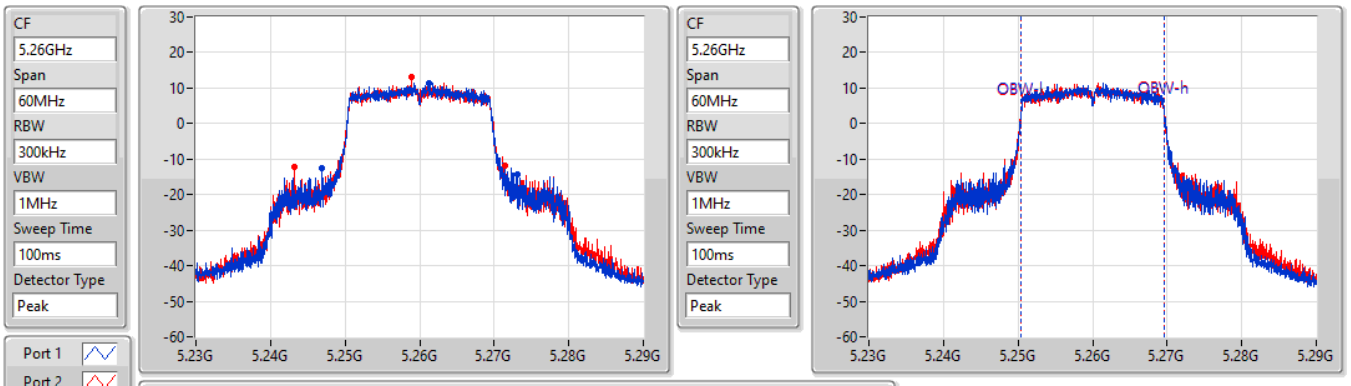
### 5320MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 20.31M | 5.30995G | 5.33026G | 16.762M | 5.311634G | 5.328396G | Inf | 1 |
| 19.98M | 5.30998G | 5.32996G | 16.552M | 5.311724G | 5.328276G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

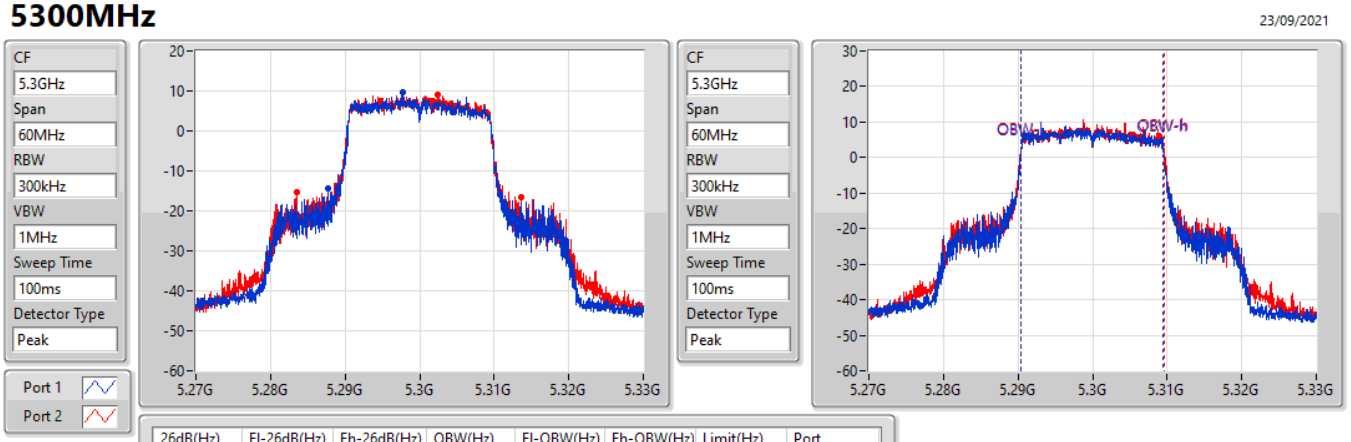
### 5260MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 26.16M | 5.24695G | 5.27311G | 19.13M | 5.250465G | 5.269595G | Inf | 1 |
| 28.14M | 5.24323G | 5.27137G | 19.1M | 5.250465G | 5.269565G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

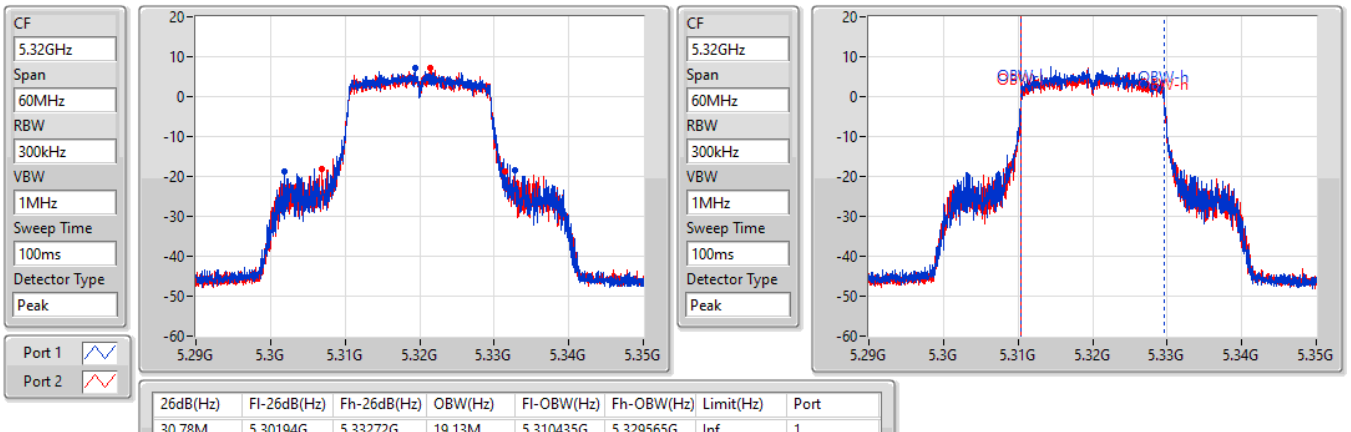
### 5300MHz




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 23.22M | 5.28764G | 5.31086G | 19.07M | 5.290435G | 5.309505G | Inf | 1 |
| 30.12M | 5.28347G | 5.31359G | 19.16M | 5.290375G | 5.309535G | Inf | 2 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX EBW

### 5320MHz

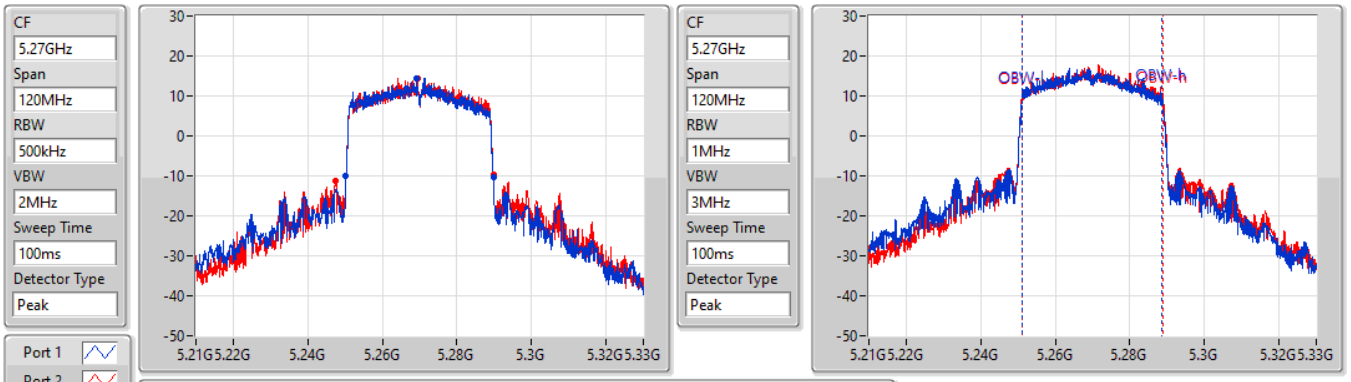



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 30.78M | 5.30194G | 5.33272G | 19.13M | 5.310435G | 5.329565G | Inf | 1 |
| 24.51M | 5.30686G | 5.33137G | 19.13M | 5.310465G | 5.329595G | Inf | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5270MHz

23/09/2021

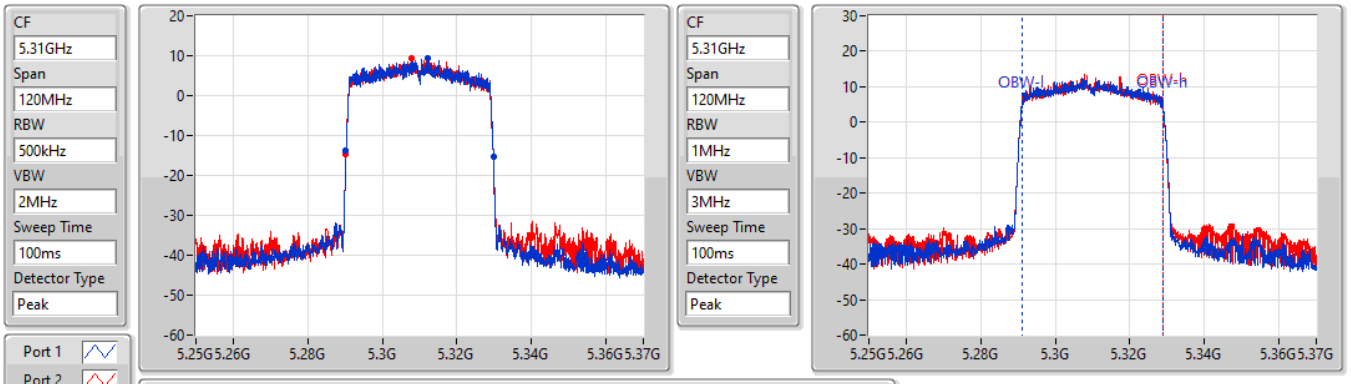



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 39.48M | 5.25026G | 5.28974G | 37.721M | 5.25099G | 5.288711G | Inf | 1 |
| 42.36M | 5.24744G | 5.2898G | 37.841M | 5.251049G | 5.288891G | Inf | 2 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX EBW

### 5310MHz

23/09/2021

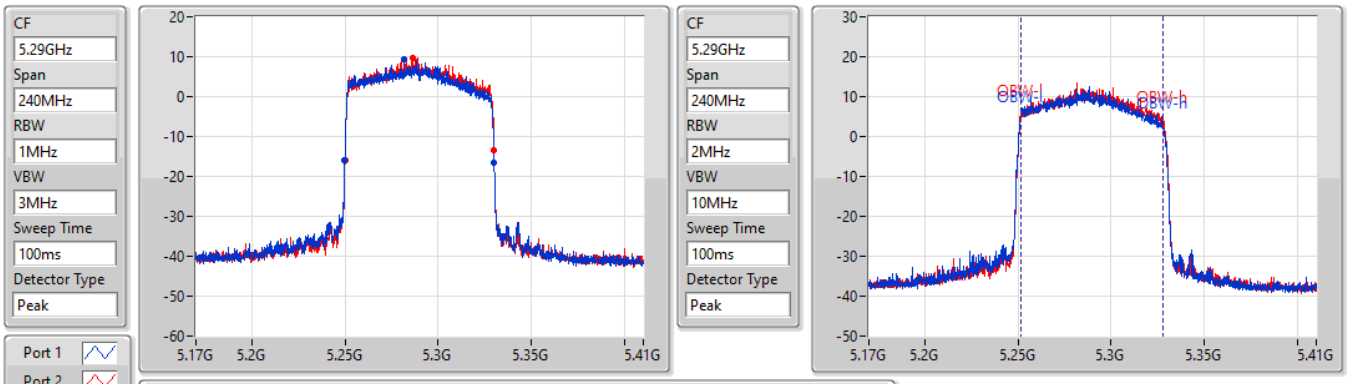



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 39.6M | 5.2902G | 5.3298G | 37.601M | 5.291169G | 5.328771G | Inf | 1 |
| 39.54M | 5.29026G | 5.3298G | 37.601M | 5.291169G | 5.328771G | Inf | 2 |

**802.11ax HEW80_Nss1,(MCS0)_2TX** **EBW**

**5290MHz**

23/09/2021




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 80.16M | 5.2498G | 5.32996G | 76.402M | 5.251379G | 5.327781G | Inf | 1 |
| 80.04M | 5.24992G | 5.32996G | 76.522M | 5.251499G | 5.328021G | Inf | 2 |

**Summary**

| Mode | Max-N dB (Hz) | Max-OBW (Hz) | ITU-Code | Min-N dB (Hz) | Min-OBW (Hz) |
|---|---|---|---|---|---|
| 5.25-5.35GHz | - | - | - | - | - |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | 29.13M | 19.13M | 19M1D1D | 24.27M | 19.1M |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | 39.66M | 37.781M | 37M8D1D | 39.6M | 37.661M |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | 80.76M | 77.601M | 77M6D1D | 80.4M | 77.121M |

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

**Result**

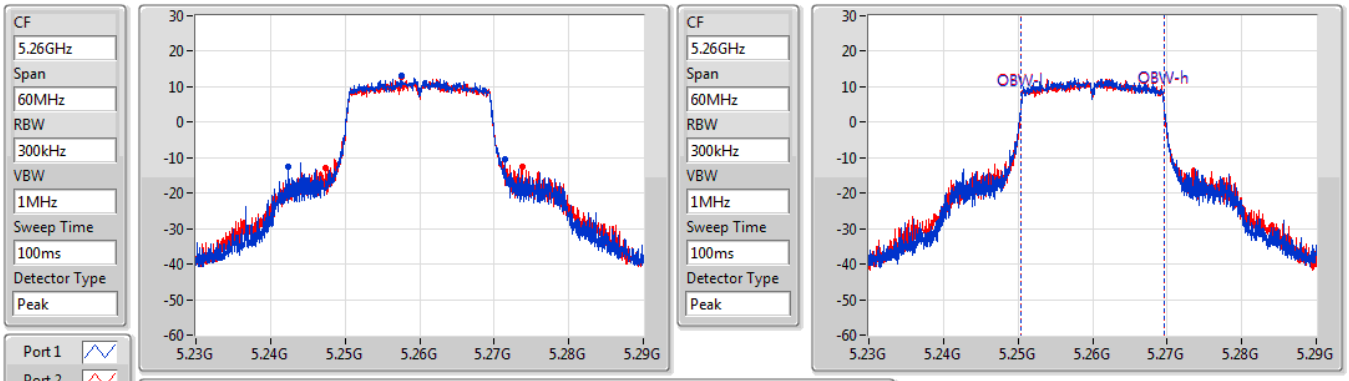
| Mode | Result | Limit (Hz) | Port 1-N dB (Hz) | Port 1-OBW (Hz) | Port 2-N dB (Hz) | Port 2-OBW (Hz) | Port 3-N dB (Hz) | Port 3-OBW (Hz) | Port 4-N dB (Hz) | Port 4-OBW (Hz) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | Inf | 29.13M | 19.1M | 26.25M | 19.1M | | | | |
| 5300MHz | Pass | Inf | 27.06M | 19.13M | 28.65M | 19.13M | | | | |
| 5320MHz | Pass | Inf | 29.01M | 19.13M | 24.27M | 19.13M | | | | |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | Inf | 39.66M | 37.661M | 39.66M | 37.721M | | | | |
| 5310MHz | Pass | Inf | 39.6M | 37.781M | 39.6M | 37.781M | | | | |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | Inf | 80.76M | 77.601M | 80.4M | 77.121M | | | | |

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

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

### 5260MHz

30/09/2021

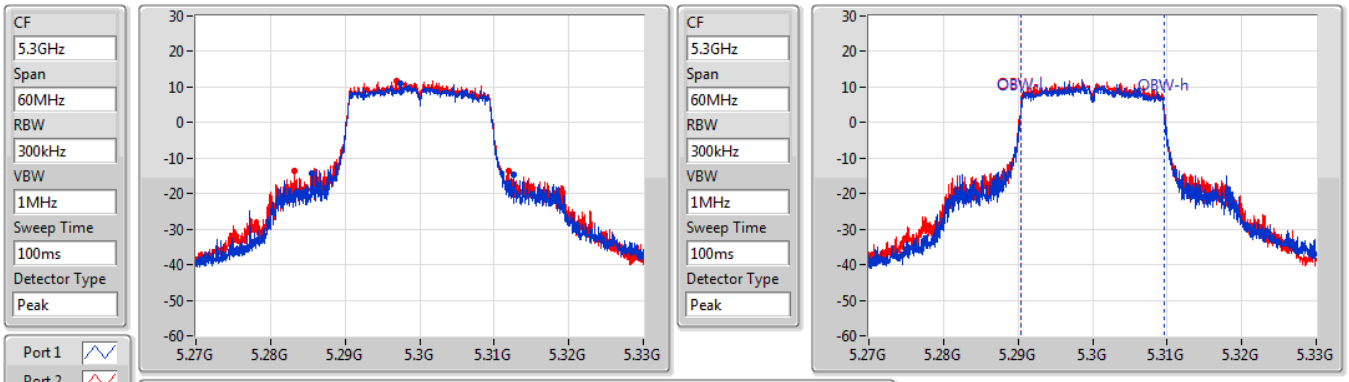



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 29.13M | 5.24236G | 5.27149G | 19.1M | 5.250435G | 5.269535G | Inf | 1 |
| 26.25M | 5.24746G | 5.27371G | 19.1M | 5.250435G | 5.269535G | Inf | 2 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

### 5300MHz

30/09/2021

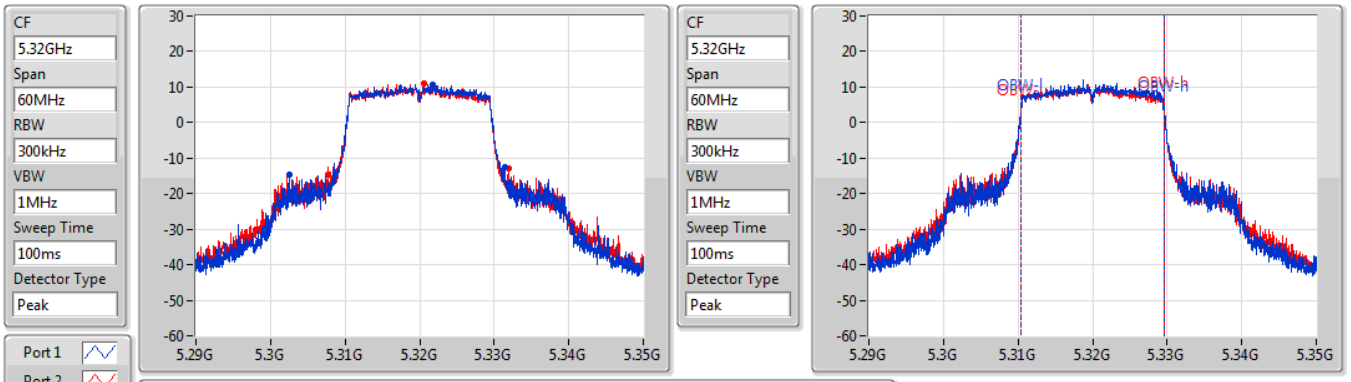



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 27.06M | 5.28557G | 5.31263G | 19.13M | 5.290405G | 5.309535G | Inf | 1 |
| 28.65M | 5.28323G | 5.31188G | 19.13M | 5.290405G | 5.309535G | Inf | 2 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

### 5320MHz

30/09/2021

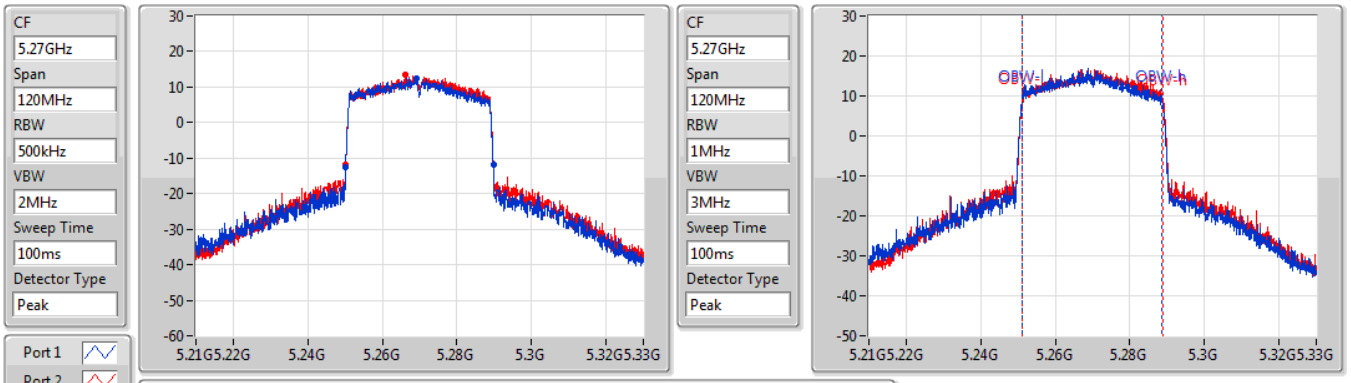



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 29.01M | 5.30248G | 5.33149G | 19.13M | 5.310435G | 5.329565G | Inf | 1 |
| 24.27M | 5.30764G | 5.33191G | 19.13M | 5.310405G | 5.329535G | Inf | 2 |

## 802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

### 5270MHz

30/09/2021

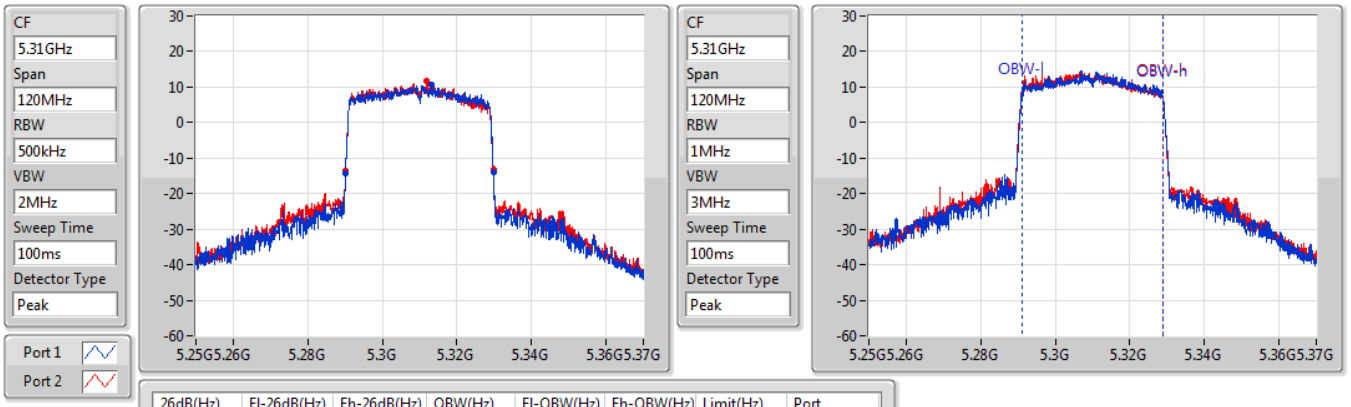



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 39.66M | 5.25014G | 5.2898G | 37.661M | 5.251049G | 5.288711G | Inf | 1 |
| 39.66M | 5.25014G | 5.2898G | 37.721M | 5.251109G | 5.288831G | Inf | 2 |

## 802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

### 5310MHz

30/09/2021

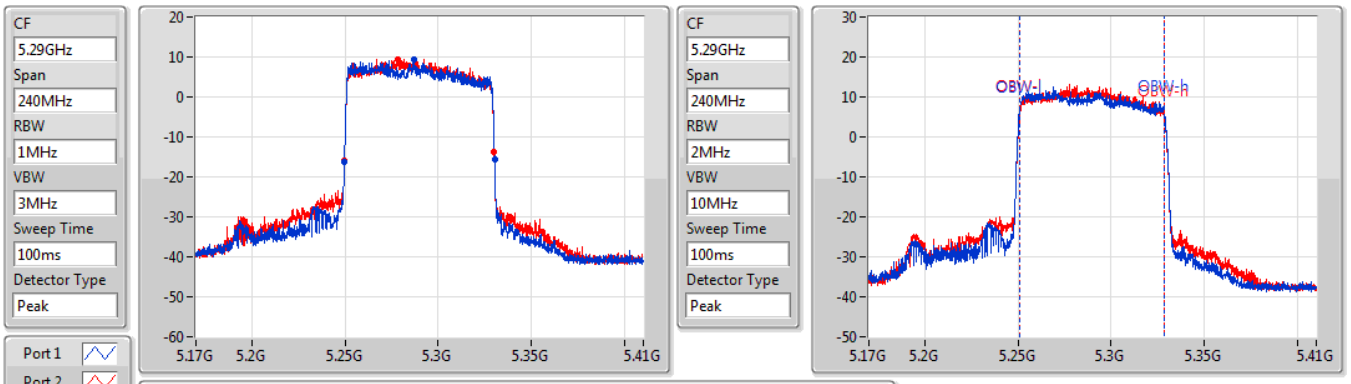



| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 39.6M | 5.29014G | 5.32974G | 37.781M | 5.291049G | 5.328831G | Inf | 1 |
| 39.6M | 5.29014G | 5.32974G | 37.781M | 5.29099G | 5.328771G | Inf | 2 |

## 802.11ax HEW80-BF_Nss1,(MCS0)_2TX EBW

### 5290MHz

30/09/2021




| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---|---|---|---|---|---|---|---|
| 80.76M | 5.24956G | 5.33032G | 77.601M | 5.2509G | 5.328501G | Inf | 1 |
| 80.4M | 5.24968G | 5.33008G | 77.121M | 5.251139G | 5.328261G | Inf | 2 |

**Summary**

| Mode | Total Power (dBm) | Total Power (W) | EIRP (dBm) | EIRP (W) |
|---|---|---|---|---|
| 5.25-5.35GHz | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 20.66 | 0.11641 | 24.36 | 0.27290 |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 20.69 | 0.11722 | 24.39 | 0.27479 |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 22.26 | 0.16827 | 25.96 | 0.39446 |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | 16.91 | 0.04909 | 20.61 | 0.11508 |

**Result**

| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) | EIRP (dBm) | EIRP Limit (dBm) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 3.70 | 17.70 | 17.59 | | | 20.66 | 23.98 | 24.36 | 30.00 |
| 5300MHz | Pass | 3.70 | 15.52 | 15.91 | | | 18.73 | 23.98 | 22.43 | 30.00 |
| 5320MHz | Pass | 3.70 | 15.06 | 14.81 | | | 17.95 | 23.98 | 21.65 | 30.00 |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 3.70 | 17.70 | 17.65 | | | 20.69 | 23.98 | 24.39 | 30.00 |
| 5300MHz | Pass | 3.70 | 15.09 | 15.94 | | | 18.55 | 23.98 | 22.25 | 30.00 |
| 5320MHz | Pass | 3.70 | 13.12 | 12.78 | | | 15.96 | 23.98 | 19.66 | 30.00 |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 3.70 | 19.20 | 19.29 | | | 22.26 | 23.98 | 25.96 | 30.00 |
| 5310MHz | Pass | 3.70 | 14.36 | 14.75 | | | 17.57 | 23.98 | 21.27 | 30.00 |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 3.70 | 13.75 | 14.05 | | | 16.91 | 23.98 | 20.61 | 30.00 |

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

**Summary**

| Mode | Total Power (dBm) | Total Power (W) | EIRP (dBm) | EIRP (W) |
|---|---|---|---|---|
| 5.25-5.35GHz | - | - | - | - |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | 21.23 | 0.13274 | 27.94 | 0.62230 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | 21.11 | 0.12912 | 27.82 | 0.60534 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | 17.56 | 0.05702 | 24.27 | 0.26730 |

**Result**

| Mode | Result | DG (dBi) | Port 1 (dBm) | Port 2 (dBm) | Port 3 (dBm) | Port 4 (dBm) | Total Power (dBm) | Power Limit (dBm) | EIRP (dBm) | EIRP Limit (dBm) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 6.71 | 18.38 | 18.06 | | | 21.23 | 23.27 | 27.94 | 30.00 |
| 5300MHz | Pass | 6.71 | 17.15 | 17.38 | | | 20.28 | 23.27 | 26.99 | 30.00 |
| 5320MHz | Pass | 6.71 | 17.37 | 16.61 | | | 20.02 | 23.27 | 26.73 | 30.00 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 6.71 | 17.84 | 18.35 | | | 21.11 | 23.27 | 27.82 | 30.00 |
| 5310MHz | Pass | 6.71 | 16.08 | 16.50 | | | 19.31 | 23.27 | 26.02 | 30.00 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 6.71 | 14.43 | 14.66 | | | 17.56 | 23.27 | 24.27 | 30.00 |

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

**Summary**

| Mode | PD (dBm/RBW) | EIRP PD (dBm/RBW) |
|---|---|---|
| 5.25-5.35GHz | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | 8.81 | 15.52 |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | 8.38 | 15.09 |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | 8.10 | 14.81 |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | -0.29 | 6.42 |

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

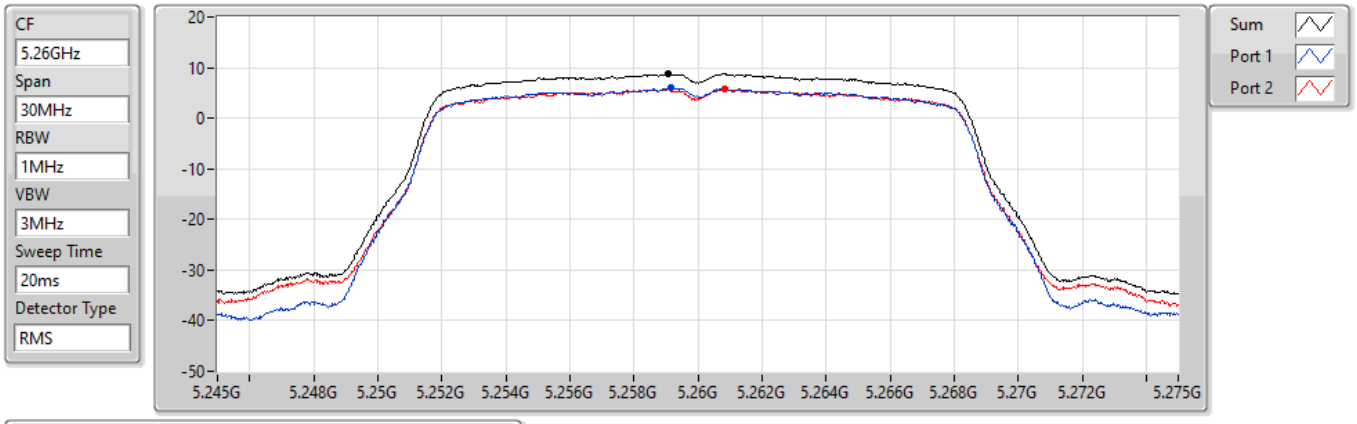
**Result**

| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | Port 3 (dBm/RBW) | Port 4 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) | EIRP PD (dBm/RBW) | EIRP PD Limit (dBm/RBW) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 6.71 | 5.97 | 5.73 | | | 8.81 | 10.29 | 15.52 | 17.00 |
| 5300MHz | Pass | 6.71 | 3.64 | 4.18 | | | 6.90 | 10.29 | 13.61 | 17.00 |
| 5320MHz | Pass | 6.71 | 3.09 | 2.92 | | | 5.84 | 10.29 | 12.55 | 17.00 |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 6.71 | 5.42 | 5.47 | | | 8.38 | 10.29 | 15.09 | 17.00 |
| 5300MHz | Pass | 6.71 | 2.87 | 3.64 | | | 6.21 | 10.29 | 12.92 | 17.00 |
| 5320MHz | Pass | 6.71 | 0.96 | 0.57 | | | 3.54 | 10.29 | 10.25 | 17.00 |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 6.71 | 5.09 | 5.38 | | | 8.10 | 10.29 | 14.81 | 17.00 |
| 5310MHz | Pass | 6.71 | -0.27 | 0.20 | | | 2.91 | 10.29 | 9.62 | 17.00 |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 6.71 | -3.57 | -2.72 | | | -0.29 | 10.29 | 6.42 | 17.00 |

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

## 802.11a_Nss1,(6Mbps)_2TX PSD

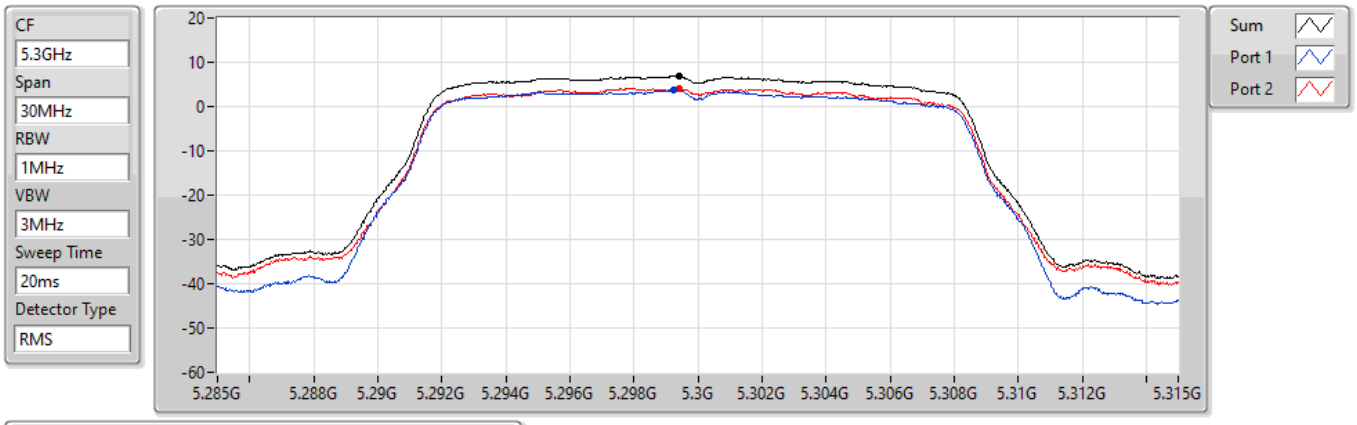
### 5260MHz




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.81 | 8.81 | 5.97 | 5.73 |

## 802.11a_Nss1,(6Mbps)_2TX PSD

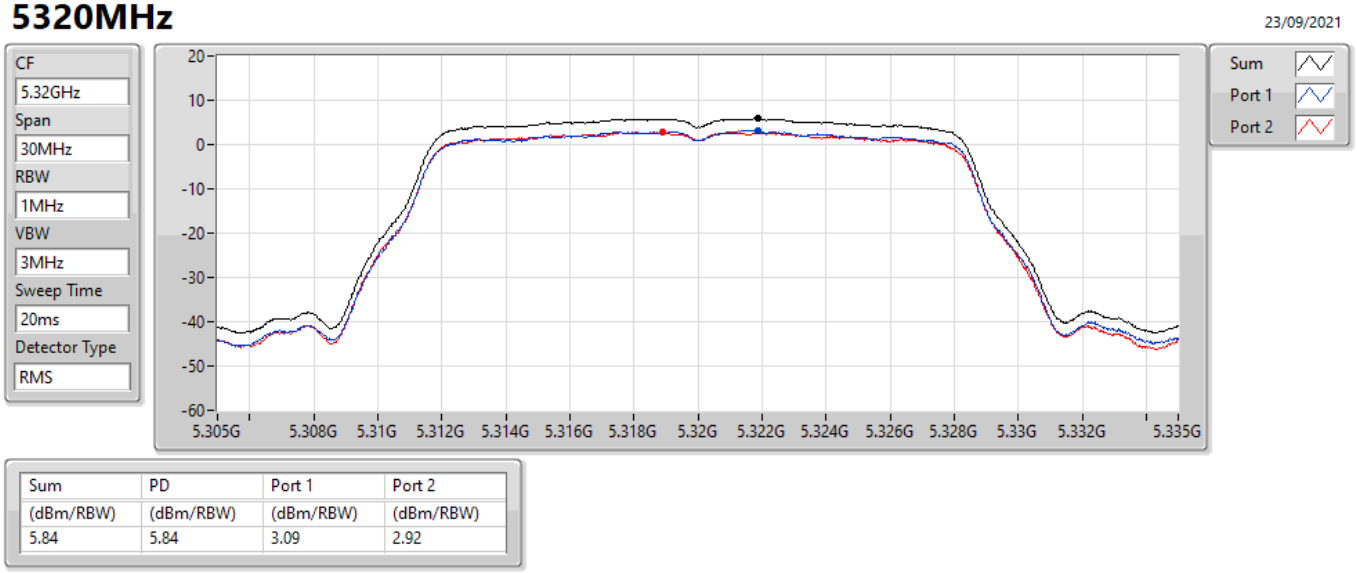
### 5300MHz




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.90 | 6.90 | 3.64 | 4.18 |

## 802.11a_Nss1,(6Mbps)_2TX PSD

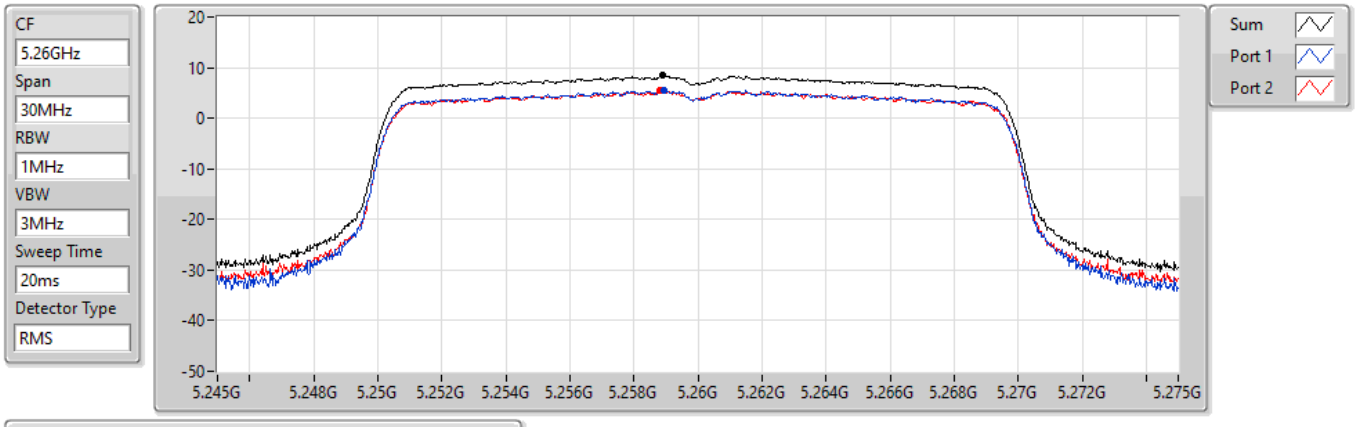
### 5320MHz




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 5.84 | 5.84 | 3.09 | 2.92 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX PSD

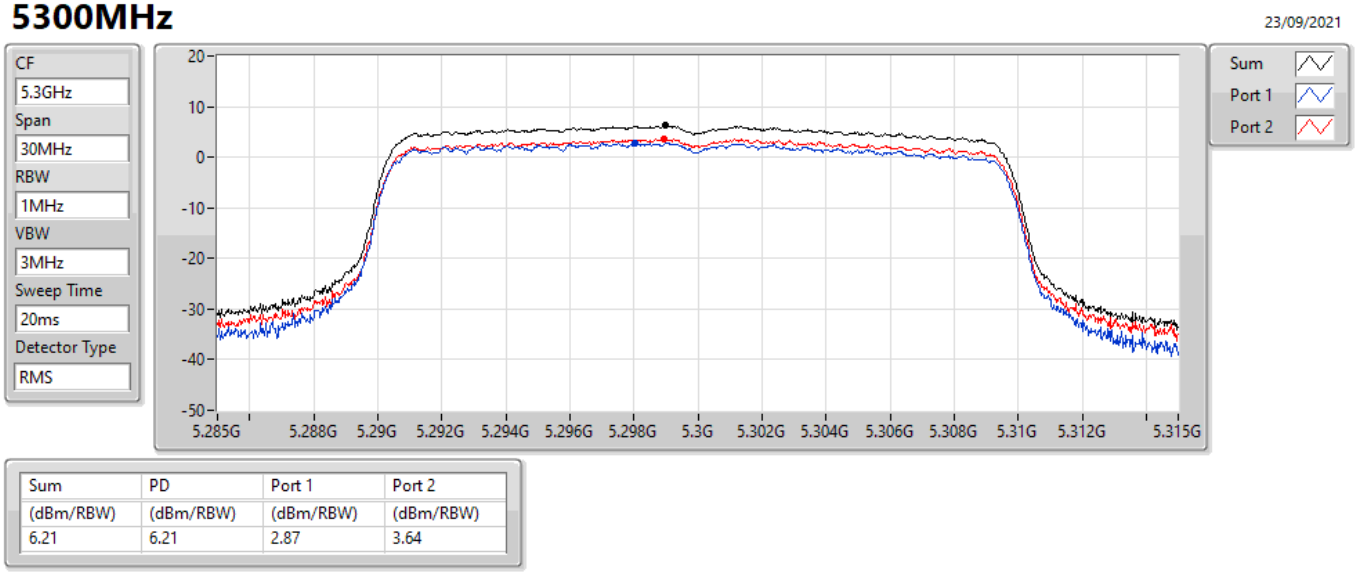
### 5260MHz




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.38 | 8.38 | 5.42 | 5.47 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX PSD

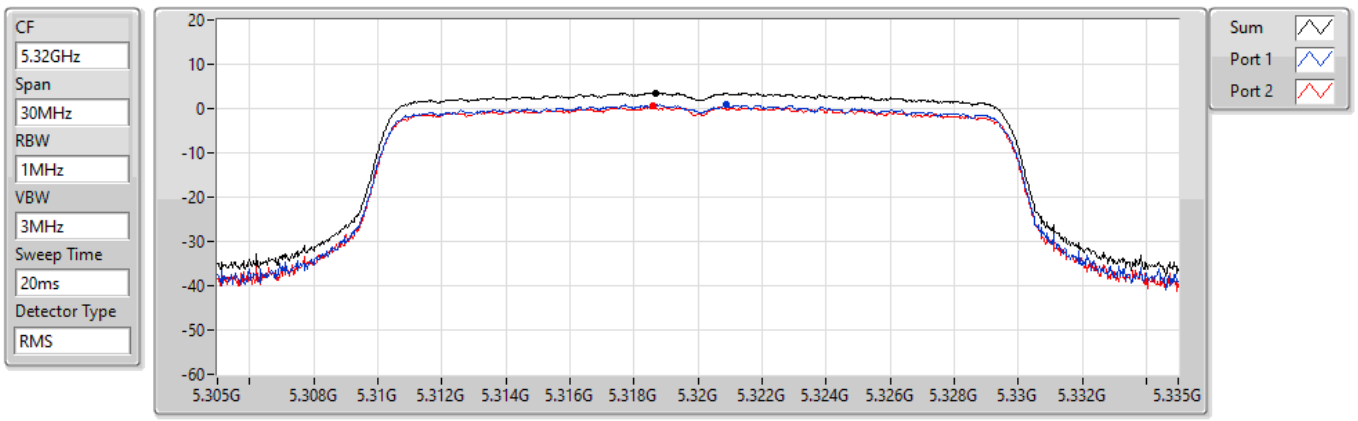
### 5300MHz




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 6.21 | 6.21 | 2.87 | 3.64 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX PSD

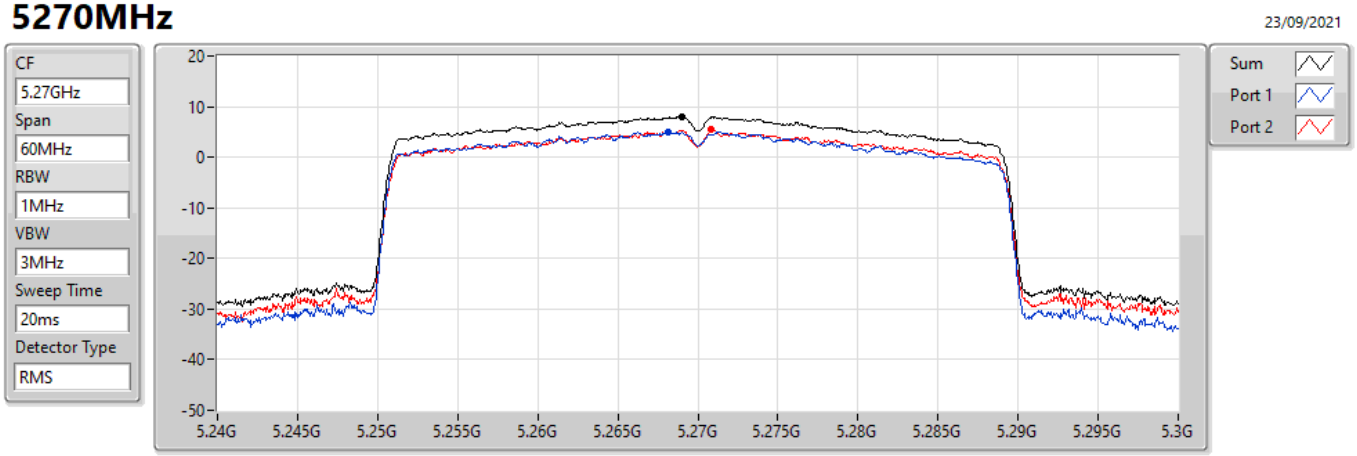
### 5320MHz




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.54 | 3.54 | 0.96 | 0.57 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX PSD

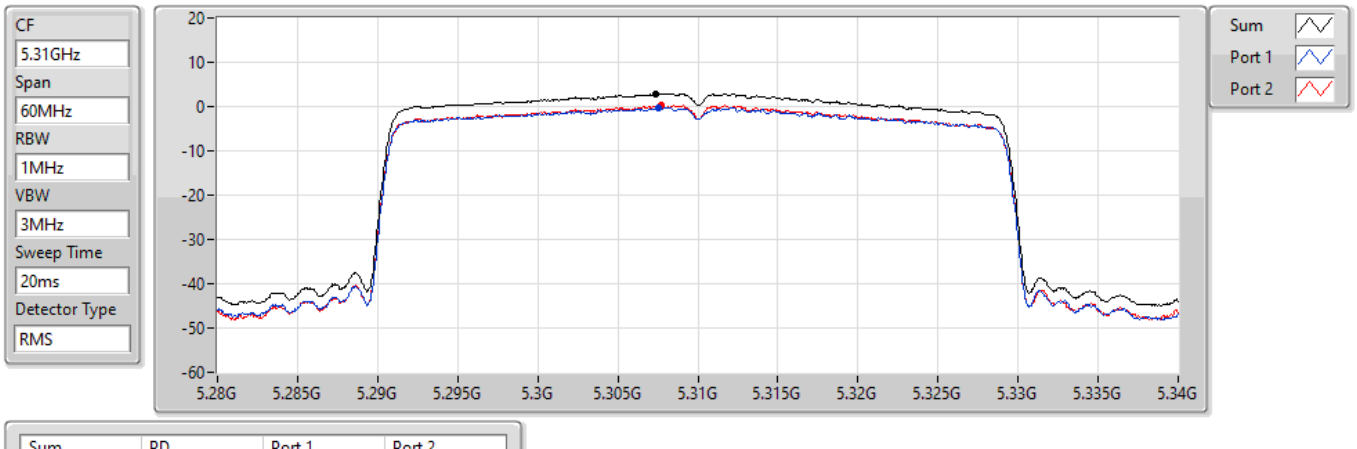
### 5270MHz




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.10 | 8.10 | 5.09 | 5.38 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX PSD

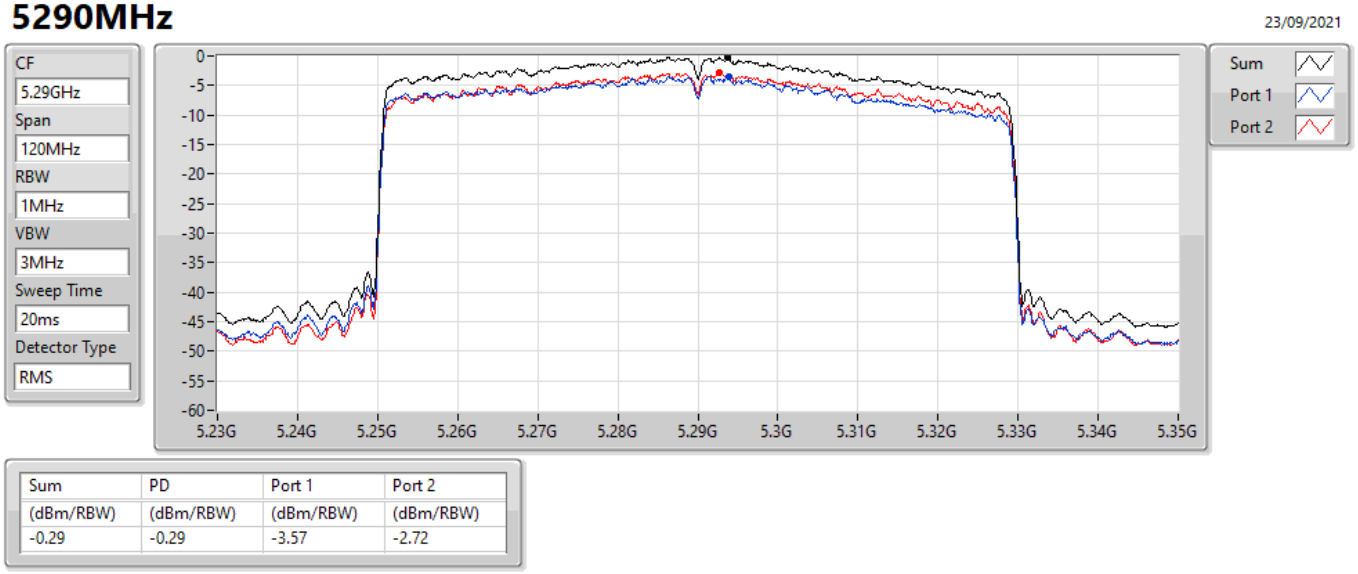
### 5310MHz




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 2.91 | 2.91 | -0.27 | 0.20 |

**802.11ax HEW80_Nss1,(MCS0)_2TX** **PSD**

**5290MHz**




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -0.29 | -0.29 | -3.57 | -2.72 |

**Summary**

| Mode | PD (dBm/RBW) | EIRP PD (dBm/RBW) |
|---|---|---|
| 5.25-5.35GHz | - | - |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | 8.81 | 15.52 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | 7.12 | 13.83 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | -1.06 | 5.65 |

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

**Result**

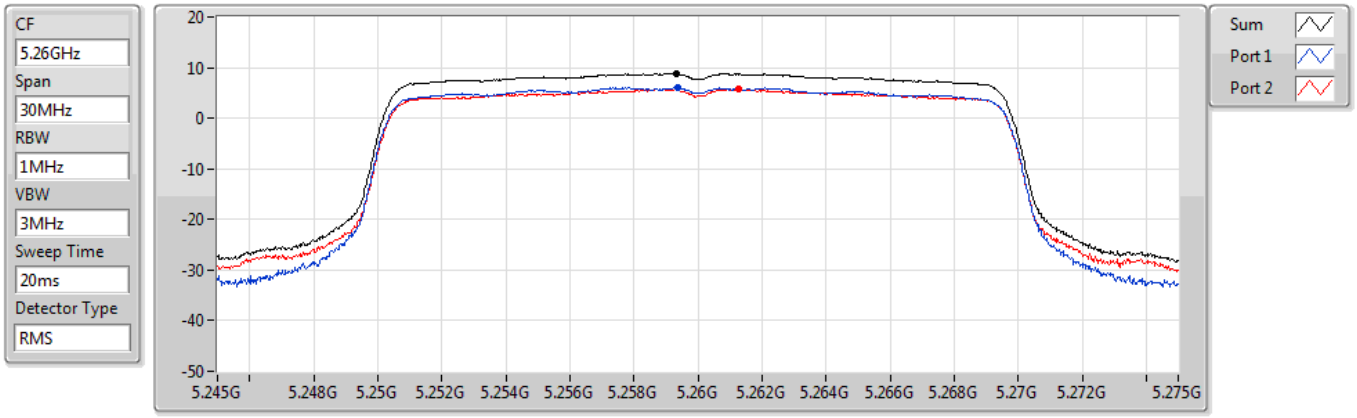
| Mode | Result | DG (dBi) | Port 1 (dBm/RBW) | Port 2 (dBm/RBW) | Port 3 (dBm/RBW) | Port 4 (dBm/RBW) | PD (dBm/RBW) | PD Limit (dBm/RBW) | EIRP PD (dBm/RBW) | EIRP PD Limit (dBm/RBW) |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | 6.71 | 6.01 | 5.76 | | | 8.81 | 10.29 | 15.52 | 17.00 |
| 5300MHz | Pass | 6.71 | 4.78 | 5.14 | | | 7.93 | 10.29 | 14.64 | 17.00 |
| 5320MHz | Pass | 6.71 | 4.71 | 4.23 | | | 7.47 | 10.29 | 14.18 | 17.00 |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | 6.71 | 4.27 | 4.10 | | | 7.12 | 10.29 | 13.83 | 17.00 |
| 5310MHz | Pass | 6.71 | 0.64 | 1.07 | | | 3.58 | 10.29 | 10.29 | 17.00 |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | 6.71 | -4.44 | -3.61 | | | -1.06 | 10.29 | 5.65 | 17.00 |

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

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

### 5260MHz

30/09/2021

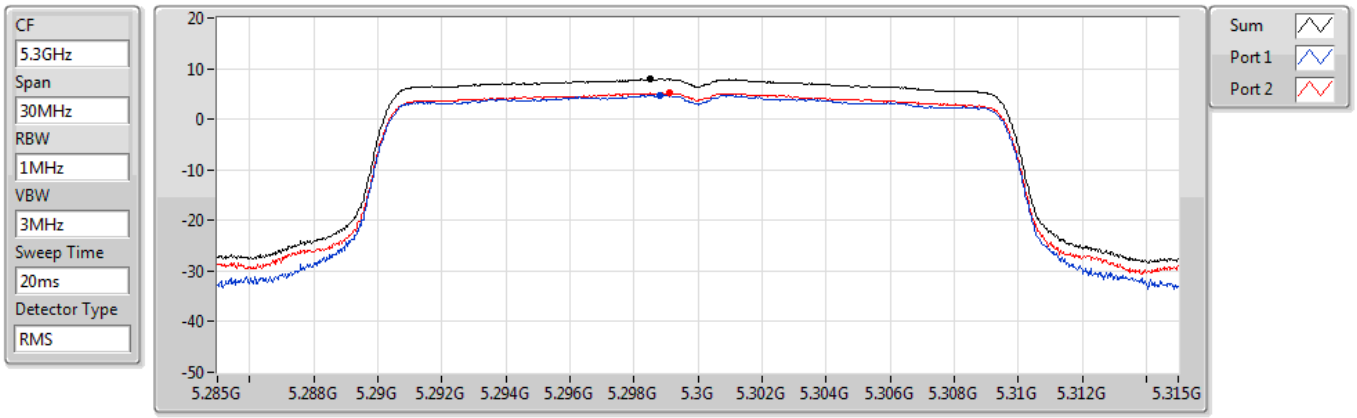



| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 8.81 | 8.81 | 6.01 | 5.76 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

### 5300MHz

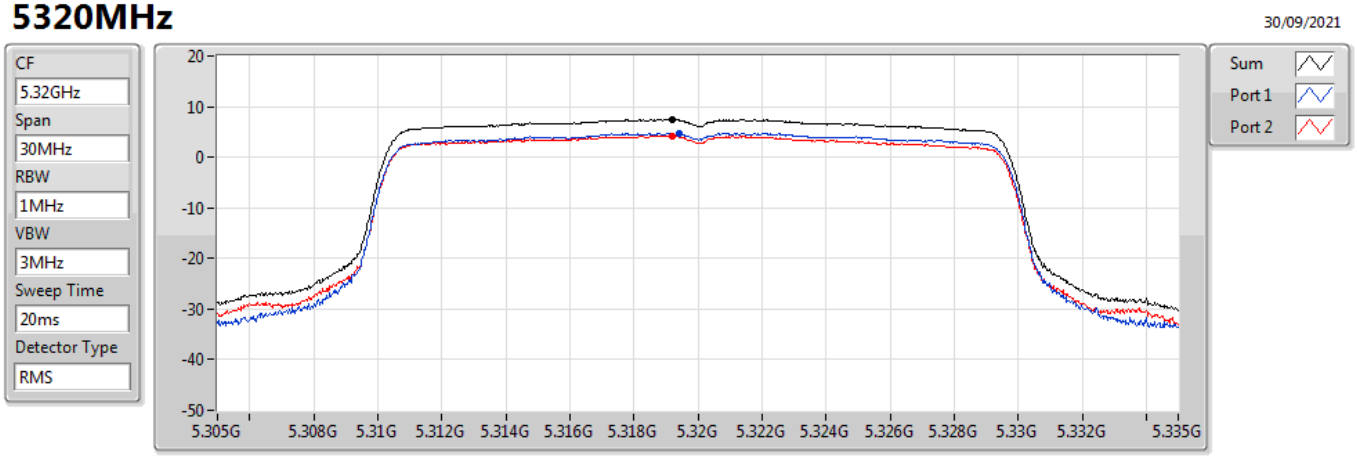
30/09/2021




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.93 | 7.93 | 4.78 | 5.14 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

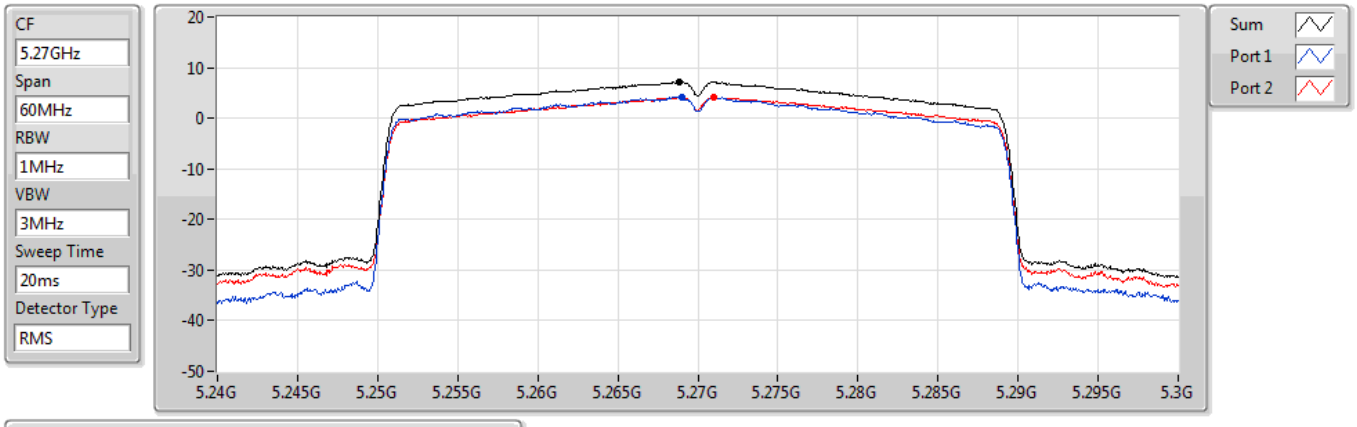
### 5320MHz




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.47 | 7.47 | 4.71 | 4.23 |

## 802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

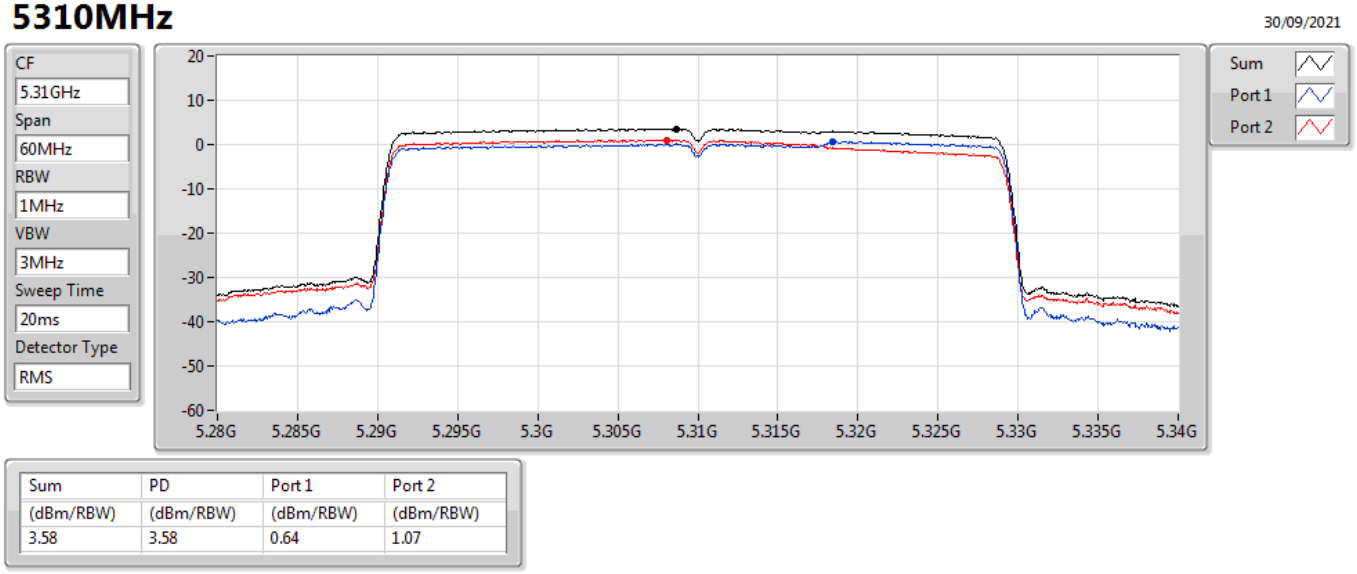
### 5270MHz




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 7.12 | 7.12 | 4.27 | 4.10 |

## 802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

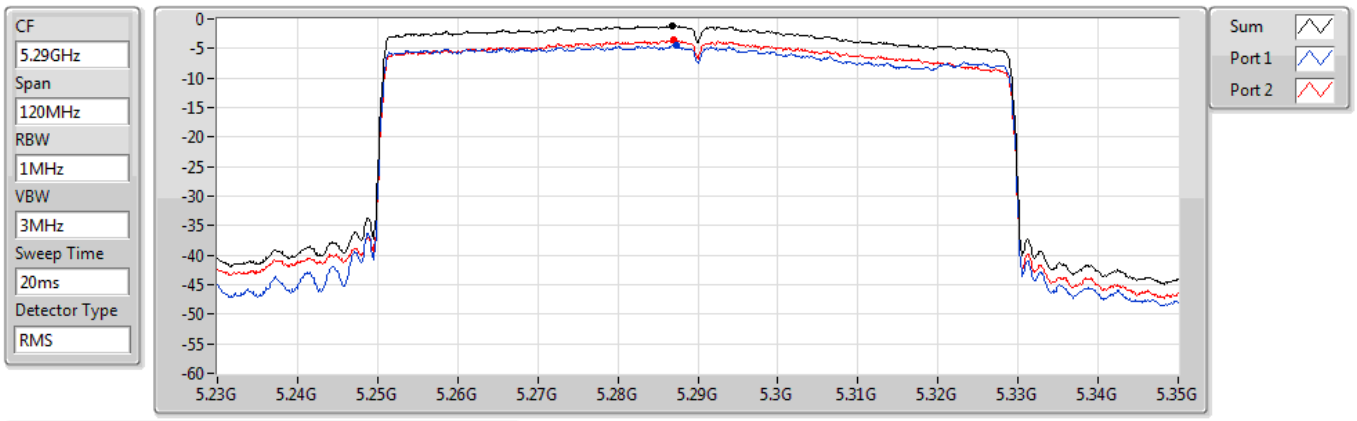
### 5310MHz




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| 3.58 | 3.58 | 0.64 | 1.07 |

## 802.11ax HEW80-BF_Nss1,(MCS0)_2TX PSD

### 5290MHz




| Sum | PD | Port 1 | Port 2 |
|---|---|---|---|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -1.06 | -1.06 | -4.44 | -3.61 |

## Summary

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.25-5.35GHz | - | - | - | - | - | - | - | - | - | - | - |
| 802.11a_Nss1,(6Mbps)_2TX | Pass | AV | 10.63814G | 52.77 | 54.00 | -1.23 | 3 | Horizontal | 26 | 1.50 | - |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | Pass | PK | 10.51952G | 66.80 | 68.20 | -1.40 | 3 | Horizontal | 25 | 1.30 | - |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | Pass | AV | 10.61408G | 52.89 | 54.00 | -1.11 | 3 | Horizontal | 26 | 1.27 | - |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | Pass | AV | 5.354G | 52.47 | 54.00 | -1.53 | 3 | Vertical | 64 | 1.72 | - |

## Result

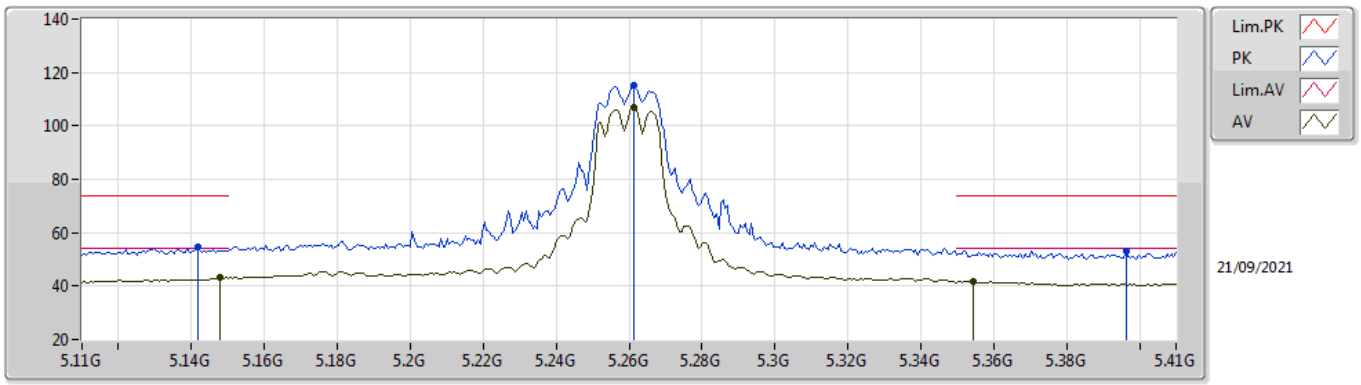
| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a_Nss1,(6Mbps)_2TX | - | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | AV | 5.1478G | 43.15 | 54.00 | -10.85 | 3 | Vertical | 109 | 1.68 | - |
| 5260MHz | Pass | AV | 5.2612G | 106.73 | Inf | -Inf | 3 | Vertical | 109 | 1.68 | - |
| 5260MHz | Pass | AV | 5.3542G | 41.60 | 54.00 | -12.40 | 3 | Vertical | 109 | 1.68 | - |
| 5260MHz | Pass | PK | 5.1418G | 54.63 | 74.00 | -19.37 | 3 | Vertical | 109 | 1.68 | - |
| 5260MHz | Pass | PK | 5.2612G | 114.95 | Inf | -Inf | 3 | Vertical | 109 | 1.68 | - |
| 5260MHz | Pass | PK | 5.3962G | 53.32 | 74.00 | -20.68 | 3 | Vertical | 109 | 1.68 | - |
| 5260MHz | Pass | AV | 5.1226G | 41.25 | 54.00 | -12.75 | 3 | Horizontal | 219 | 1.50 | - |
| 5260MHz | Pass | AV | 5.2606G | 95.24 | Inf | -Inf | 3 | Horizontal | 219 | 1.50 | - |
| 5260MHz | Pass | AV | 5.3878G | 40.87 | 54.00 | -13.13 | 3 | Horizontal | 219 | 1.50 | - |
| 5260MHz | Pass | PK | 5.1256G | 53.07 | 74.00 | -20.93 | 3 | Horizontal | 219 | 1.50 | - |
| 5260MHz | Pass | PK | 5.2606G | 103.92 | Inf | -Inf | 3 | Horizontal | 219 | 1.50 | - |
| 5260MHz | Pass | PK | 5.4034G | 53.32 | 74.00 | -20.68 | 3 | Horizontal | 219 | 1.50 | - |
| 5260MHz | Pass | AV | 15.77928G | 45.96 | 54.00 | -8.04 | 3 | Vertical | 52 | 2.27 | - |
| 5260MHz | Pass | PK | 10.52048G | 64.67 | 68.20 | -3.53 | 3 | Vertical | 110 | 1.39 | - |
| 5260MHz | Pass | PK | 15.77412G | 58.44 | 74.00 | -15.56 | 3 | Vertical | 52 | 2.27 | - |
| 5260MHz | Pass | AV | 15.77928G | 46.13 | 54.00 | -7.87 | 3 | Horizontal | 158 | 1.49 | - |
| 5260MHz | Pass | PK | 10.52312G | 66.92 | 68.20 | -1.28 | 3 | Horizontal | 25 | 1.25 | - |
| 5260MHz | Pass | PK | 15.77874G | 58.74 | 74.00 | -15.26 | 3 | Horizontal | 158 | 1.49 | - |
| 5300MHz | Pass | AV | 5.2984G | 105.02 | Inf | -Inf | 3 | Vertical | 64 | 1.82 | - |
| 5300MHz | Pass | AV | 5.3536G | 42.48 | 54.00 | -11.52 | 3 | Vertical | 64 | 1.82 | - |
| 5300MHz | Pass | PK | 5.2988G | 113.33 | Inf | -Inf | 3 | Vertical | 64 | 1.82 | - |
| 5300MHz | Pass | PK | 5.3508G | 53.63 | 74.00 | -20.37 | 3 | Vertical | 64 | 1.82 | - |
| 5300MHz | Pass | AV | 5.2972G | 93.94 | Inf | -Inf | 3 | Horizontal | 211 | 1.58 | - |
| 5300MHz | Pass | AV | 5.3864G | 40.95 | 54.00 | -13.05 | 3 | Horizontal | 211 | 1.58 | - |
| 5300MHz | Pass | PK | 5.2972G | 102.40 | Inf | -Inf | 3 | Horizontal | 211 | 1.58 | - |
| 5300MHz | Pass | PK | 5.3896G | 52.50 | 74.00 | -21.50 | 3 | Horizontal | 211 | 1.58 | - |
| 5300MHz | Pass | AV | 15.89676G | 43.32 | 54.00 | -10.68 | 3 | Vertical | 49 | 2.26 | - |
| 5300MHz | Pass | PK | 10.59972G | 64.84 | 68.20 | -3.36 | 3 | Vertical | 283 | 1.71 | - |
| 5300MHz | Pass | PK | 15.89538G | 55.46 | 74.00 | -18.54 | 3 | Vertical | 49 | 2.26 | - |
| 5300MHz | Pass | AV | 15.90048G | 43.68 | 54.00 | -10.32 | 3 | Horizontal | 158 | 1.49 | - |
| 5300MHz | Pass | PK | 10.59788G | 66.76 | 68.20 | -1.44 | 3 | Horizontal | 24 | 1.42 | - |
| 5300MHz | Pass | PK | 15.8961G | 56.61 | 74.00 | -17.39 | 3 | Horizontal | 158 | 1.49 | - |
| 5320MHz | Pass | AV | 5.3208G | 104.71 | Inf | -Inf | 3 | Vertical | 65 | 1.75 | - |
| 5320MHz | Pass | AV | 5.3506G | 44.46 | 54.00 | -9.54 | 3 | Vertical | 65 | 1.75 | - |
| 5320MHz | Pass | PK | 5.3206G | 112.90 | Inf | -Inf | 3 | Vertical | 65 | 1.75 | - |
| 5320MHz | Pass | PK | 5.3502G | 67.13 | 74.00 | -6.87 | 3 | Vertical | 65 | 1.75 | - |
| 5320MHz | Pass | AV | 5.3194G | 92.73 | Inf | -Inf | 3 | Horizontal | 211 | 1.63 | - |
| 5320MHz | Pass | AV | 5.35G | 40.85 | 54.00 | -13.15 | 3 | Horizontal | 211 | 1.63 | - |
| 5320MHz | Pass | PK | 5.3192G | 101.06 | Inf | -Inf | 3 | Horizontal | 211 | 1.63 | - |
| 5320MHz | Pass | PK | 5.3532G | 53.22 | 74.00 | -20.78 | 3 | Horizontal | 211 | 1.63 | - |
| 5320MHz | Pass | AV | 10.6397G | 50.25 | 54.00 | -3.75 | 3 | Vertical | 286 | 1.74 | - |
| 5320MHz | Pass | AV | 15.95814G | 43.02 | 54.00 | -10.98 | 3 | Vertical | 57 | 2.05 | - |
| 5320MHz | Pass | PK | 10.6388G | 64.08 | 74.00 | -9.92 | 3 | Vertical | 286 | 1.74 | - |
| 5320MHz | Pass | PK | 15.95298G | 55.64 | 74.00 | -18.36 | 3 | Vertical | 57 | 2.05 | - |
| 5320MHz | Pass | AV | 10.63814G | 52.77 | 54.00 | -1.23 | 3 | Horizontal | 26 | 1.50 | - |
| 5320MHz | Pass | AV | 15.9588G | 43.59 | 54.00 | -10.41 | 3 | Horizontal | 157 | 1.50 | - |
| 5320MHz | Pass | PK | 10.63844G | 66.37 | 74.00 | -7.63 | 3 | Horizontal | 26 | 1.50 | - |
| 5320MHz | Pass | PK | 15.95358G | 56.74 | 74.00 | -17.26 | 3 | Horizontal | 157 | 1.50 | - |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | AV | 5.1478G | 45.35 | 54.00 | -8.65 | 3 | Vertical | 108 | 1.69 | - |
| 5260MHz | Pass | AV | 5.2618G | 106.37 | Inf | -Inf | 3 | Vertical | 108 | 1.69 | - |
| 5260MHz | Pass | AV | 5.35G | 43.83 | 54.00 | -10.17 | 3 | Vertical | 108 | 1.69 | - |
| 5260MHz | Pass | PK | 5.116G | 54.41 | 74.00 | -19.59 | 3 | Vertical | 108 | 1.69 | - |
| 5260MHz | Pass | PK | 5.2618G | 116.28 | Inf | -Inf | 3 | Vertical | 108 | 1.69 | - |
| 5260MHz | Pass | PK | 5.3554G | 53.30 | 74.00 | -20.70 | 3 | Vertical | 108 | 1.69 | - |
| 5260MHz | Pass | AV | 5.1244G | 43.74 | 54.00 | -10.26 | 3 | Horizontal | 211 | 1.67 | - |
| 5260MHz | Pass | AV | 5.2588G | 96.22 | Inf | -Inf | 3 | Horizontal | 211 | 1.67 | - |
| 5260MHz | Pass | AV | 5.4094G | 43.13 | 54.00 | -10.87 | 3 | Horizontal | 211 | 1.67 | - |
| 5260MHz | Pass | PK | 5.1184G | 53.35 | 74.00 | -20.65 | 3 | Horizontal | 211 | 1.67 | - |
| 5260MHz | Pass | PK | 5.2582G | 105.52 | Inf | -Inf | 3 | Horizontal | 211 | 1.67 | - |

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5260MHz | Pass | PK | 5.3884G | 52.29 | 74.00 | -21.71 | 3 | Horizontal | 211 | 1.67 | - |
| 5260MHz | Pass | AV | 15.77196G | 47.72 | 54.00 | -6.28 | 3 | Vertical | 53 | 2.23 | - |
| 5260MHz | Pass | PK | 10.52042G | 65.05 | 68.20 | -3.15 | 3 | Vertical | 111 | 1.37 | - |
| 5260MHz | Pass | PK | 15.77448G | 57.02 | 74.00 | -16.98 | 3 | Vertical | 53 | 2.23 | - |
| 5260MHz | Pass | AV | 15.77724G | 47.91 | 54.00 | -6.09 | 3 | Horizontal | 158 | 1.50 | - |
| 5260MHz | Pass | PK | 10.51952G | 66.80 | 68.20 | -1.40 | 3 | Horizontal | 25 | 1.30 | - |
| 5260MHz | Pass | PK | 15.78426G | 58.25 | 74.00 | -15.75 | 3 | Horizontal | 158 | 1.50 | - |
| 5300MHz | Pass | AV | 5.2992G | 105.27 | Inf | -Inf | 3 | Vertical | 65 | 1.78 | - |
| 5300MHz | Pass | AV | 5.3524G | 45.47 | 54.00 | -8.53 | 3 | Vertical | 65 | 1.78 | - |
| 5300MHz | Pass | PK | 5.2968G | 115.84 | Inf | -Inf | 3 | Vertical | 65 | 1.78 | - |
| 5300MHz | Pass | PK | 5.352G | 53.95 | 74.00 | -20.05 | 3 | Vertical | 65 | 1.78 | - |
| 5300MHz | Pass | AV | 5.3008G | 93.85 | Inf | -Inf | 3 | Horizontal | 210 | 1.67 | - |
| 5300MHz | Pass | AV | 5.3864G | 43.26 | 54.00 | -10.74 | 3 | Horizontal | 210 | 1.67 | - |
| 5300MHz | Pass | PK | 5.3012G | 103.19 | Inf | -Inf | 3 | Horizontal | 210 | 1.67 | - |
| 5300MHz | Pass | PK | 5.3856G | 52.46 | 74.00 | -21.54 | 3 | Horizontal | 210 | 1.67 | - |
| 5300MHz | Pass | AV | 15.89208G | 45.51 | 54.00 | -8.49 | 3 | Vertical | 51 | 1.50 | - |
| 5300MHz | Pass | PK | 10.59754G | 61.99 | 68.20 | -6.21 | 3 | Vertical | 238 | 1.50 | - |
| 5300MHz | Pass | PK | 15.90714G | 55.02 | 74.00 | -18.98 | 3 | Vertical | 51 | 1.50 | - |
| 5300MHz | Pass | AV | 15.89682G | 45.91 | 54.00 | -8.09 | 3 | Horizontal | 158 | 1.50 | - |
| 5300MHz | Pass | PK | 10.59646G | 66.05 | 68.20 | -2.15 | 3 | Horizontal | 25 | 1.35 | - |
| 5300MHz | Pass | PK | 15.89898G | 55.97 | 74.00 | -18.03 | 3 | Horizontal | 158 | 1.50 | - |
| 5320MHz | Pass | AV | 5.3176G | 102.57 | Inf | -Inf | 3 | Vertical | 66 | 1.84 | - |
| 5320MHz | Pass | AV | 5.3504G | 45.32 | 54.00 | -8.68 | 3 | Vertical | 66 | 1.84 | - |
| 5320MHz | Pass | PK | 5.3154G | 112.84 | Inf | -Inf | 3 | Vertical | 66 | 1.84 | - |
| 5320MHz | Pass | PK | 5.3506G | 56.14 | 74.00 | -17.86 | 3 | Vertical | 66 | 1.84 | - |
| 5320MHz | Pass | AV | 5.3176G | 91.02 | Inf | -Inf | 3 | Horizontal | 211 | 1.62 | - |
| 5320MHz | Pass | AV | 5.3586G | 43.13 | 54.00 | -10.87 | 3 | Horizontal | 211 | 1.62 | - |
| 5320MHz | Pass | PK | 5.3224G | 100.52 | Inf | -Inf | 3 | Horizontal | 211 | 1.62 | - |
| 5320MHz | Pass | PK | 5.3592G | 52.50 | 74.00 | -21.50 | 3 | Horizontal | 211 | 1.62 | - |
| 5320MHz | Pass | AV | 10.63736G | 49.74 | 54.00 | -4.26 | 3 | Vertical | 284 | 1.71 | - |
| 5320MHz | Pass | AV | 15.97434G | 45.11 | 54.00 | -8.89 | 3 | Vertical | 17 | 2.02 | - |
| 5320MHz | Pass | PK | 10.6346G | 60.56 | 74.00 | -13.44 | 3 | Vertical | 284 | 1.71 | - |
| 5320MHz | Pass | PK | 15.9531G | 55.05 | 74.00 | -18.95 | 3 | Vertical | 17 | 2.02 | - |
| 5320MHz | Pass | AV | 10.63898G | 52.09 | 54.00 | -1.91 | 3 | Horizontal | 26 | 1.49 | - |
| 5320MHz | Pass | AV | 15.96618G | 45.37 | 54.00 | -8.63 | 3 | Horizontal | 302 | 1.50 | - |
| 5320MHz | Pass | PK | 10.63388G | 61.25 | 74.00 | -12.75 | 3 | Horizontal | 26 | 1.49 | - |
| 5320MHz | Pass | PK | 15.96312G | 55.10 | 74.00 | -18.90 | 3 | Horizontal | 302 | 1.50 | - |
| 802.11ax HEW40_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | AV | 5.2708G | 106.63 | Inf | -Inf | 3 | Vertical | 108 | 1.61 | - |
| 5270MHz | Pass | AV | 5.3508G | 48.42 | 54.00 | -5.58 | 3 | Vertical | 108 | 1.61 | - |
| 5270MHz | Pass | PK | 5.268G | 117.18 | Inf | -Inf | 3 | Vertical | 108 | 1.61 | - |
| 5270MHz | Pass | PK | 5.3508G | 60.82 | 74.00 | -13.18 | 3 | Vertical | 108 | 1.61 | - |
| 5270MHz | Pass | AV | 5.2676G | 95.29 | Inf | -Inf | 3 | Horizontal | 212 | 1.58 | - |
| 5270MHz | Pass | AV | 5.3572G | 42.90 | 54.00 | -11.10 | 3 | Horizontal | 212 | 1.58 | - |
| 5270MHz | Pass | PK | 5.2676G | 104.80 | Inf | -Inf | 3 | Horizontal | 212 | 1.58 | - |
| 5270MHz | Pass | PK | 5.3504G | 52.57 | 74.00 | -21.43 | 3 | Horizontal | 212 | 1.58 | - |
| 5270MHz | Pass | AV | 15.8044G | 48.23 | 54.00 | -5.77 | 3 | Vertical | 51 | 2.26 | - |
| 5270MHz | Pass | PK | 10.54104G | 64.39 | 68.20 | -3.81 | 3 | Vertical | 242 | 1.63 | - |
| 5270MHz | Pass | PK | 15.79976G | 58.88 | 74.00 | -15.12 | 3 | Vertical | 51 | 2.26 | - |
| 5270MHz | Pass | AV | 15.80944G | 49.80 | 54.00 | -4.20 | 3 | Horizontal | 157 | 1.50 | - |
| 5270MHz | Pass | PK | 10.53912G | 66.47 | 68.20 | -1.73 | 3 | Horizontal | 25 | 1.38 | - |
| 5270MHz | Pass | PK | 15.80704G | 60.06 | 74.00 | -13.94 | 3 | Horizontal | 157 | 1.50 | - |
| 5310MHz | Pass | AV | 5.3116G | 102.50 | Inf | -Inf | 3 | Vertical | 65 | 1.87 | - |
| 5310MHz | Pass | AV | 5.3536G | 49.61 | 54.00 | -4.39 | 3 | Vertical | 65 | 1.87 | - |
| 5310MHz | Pass | PK | 5.3116G | 111.81 | Inf | -Inf | 3 | Vertical | 65 | 1.87 | - |
| 5310MHz | Pass | PK | 5.352G | 66.38 | 74.00 | -7.62 | 3 | Vertical | 65 | 1.87 | - |
| 5310MHz | Pass | AV | 5.3112G | 91.24 | Inf | -Inf | 3 | Horizontal | 211 | 1.63 | - |
| 5310MHz | Pass | AV | 5.372G | 43.42 | 54.00 | -10.58 | 3 | Horizontal | 211 | 1.63 | - |
| 5310MHz | Pass | PK | 5.3108G | 101.01 | Inf | -Inf | 3 | Horizontal | 211 | 1.63 | - |
| 5310MHz | Pass | PK | 5.3612G | 54.64 | 74.00 | -19.36 | 3 | Horizontal | 211 | 1.63 | - |
| 5310MHz | Pass | AV | 10.62032G | 50.94 | 54.00 | -3.06 | 3 | Vertical | 285 | 1.58 | - |
| 5310MHz | Pass | AV | 15.92976G | 45.17 | 54.00 | -8.83 | 3 | Vertical | 65 | 1.50 | - |

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5310MHz | Pass | PK | 10.6168G | 60.16 | 74.00 | -13.84 | 3 | Vertical | 285 | 1.58 | - |
| 5310MHz | Pass | PK | 15.93856G | 54.58 | 74.00 | -19.42 | 3 | Vertical | 65 | 1.50 | - |
| 5310MHz | Pass | AV | 10.61408G | 52.89 | 54.00 | -1.11 | 3 | Horizontal | 26 | 1.27 | - |
| 5310MHz | Pass | AV | 15.91104G | 45.44 | 54.00 | -8.56 | 3 | Horizontal | 158 | 1.32 | - |
| 5310MHz | Pass | PK | 10.6196G | 62.81 | 74.00 | -11.19 | 3 | Horizontal | 26 | 1.27 | - |
| 5310MHz | Pass | PK | 15.9348G | 54.72 | 74.00 | -19.28 | 3 | Horizontal | 158 | 1.32 | - |
| 802.11ax HEW80_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | AV | 5.149G | 44.26 | 54.00 | -9.74 | 3 | Vertical | 64 | 1.72 | - |
| 5290MHz | Pass | AV | 5.289G | 99.80 | Inf | -Inf | 3 | Vertical | 64 | 1.72 | - |
| 5290MHz | Pass | AV | 5.354G | 52.47 | 54.00 | -1.53 | 3 | Vertical | 64 | 1.72 | - |
| 5290MHz | Pass | PK | 5.115G | 53.86 | 74.00 | -20.14 | 3 | Vertical | 64 | 1.72 | - |
| 5290MHz | Pass | PK | 5.289G | 109.32 | Inf | -Inf | 3 | Vertical | 64 | 1.72 | - |
| 5290MHz | Pass | PK | 5.353G | 61.80 | 74.00 | -12.20 | 3 | Vertical | 64 | 1.72 | - |
| 5290MHz | Pass | AV | 5.127G | 43.49 | 54.00 | -10.51 | 3 | Horizontal | 211 | 1.65 | - |
| 5290MHz | Pass | AV | 5.289G | 88.38 | Inf | -Inf | 3 | Horizontal | 211 | 1.65 | - |
| 5290MHz | Pass | AV | 5.354G | 44.08 | 54.00 | -9.92 | 3 | Horizontal | 211 | 1.65 | - |
| 5290MHz | Pass | PK | 5.117G | 53.49 | 74.00 | -20.51 | 3 | Horizontal | 211 | 1.65 | - |
| 5290MHz | Pass | PK | 5.293G | 98.08 | Inf | -Inf | 3 | Horizontal | 211 | 1.65 | - |
| 5290MHz | Pass | PK | 5.535G | 53.36 | 68.20 | -14.84 | 3 | Horizontal | 211 | 1.65 | - |
| 5290MHz | Pass | AV | 15.87248G | 45.46 | 54.00 | -8.54 | 3 | Vertical | 306 | 1.50 | - |
| 5290MHz | Pass | PK | 10.58512G | 57.84 | 68.20 | -10.36 | 3 | Vertical | 239 | 1.50 | - |
| 5290MHz | Pass | PK | 15.87808G | 54.68 | 74.00 | -19.32 | 3 | Vertical | 306 | 1.50 | - |
| 5290MHz | Pass | AV | 15.8764G | 45.31 | 54.00 | -8.69 | 3 | Horizontal | 0 | 1.50 | - |
| 5290MHz | Pass | PK | 10.59168G | 59.91 | 68.20 | -8.29 | 3 | Horizontal | 28 | 1.36 | - |
| 5290MHz | Pass | PK | 15.88888G | 55.54 | 74.00 | -18.46 | 3 | Horizontal | 0 | 1.50 | - |

## 802.11a_Nss1,(6Mbps)_2TX

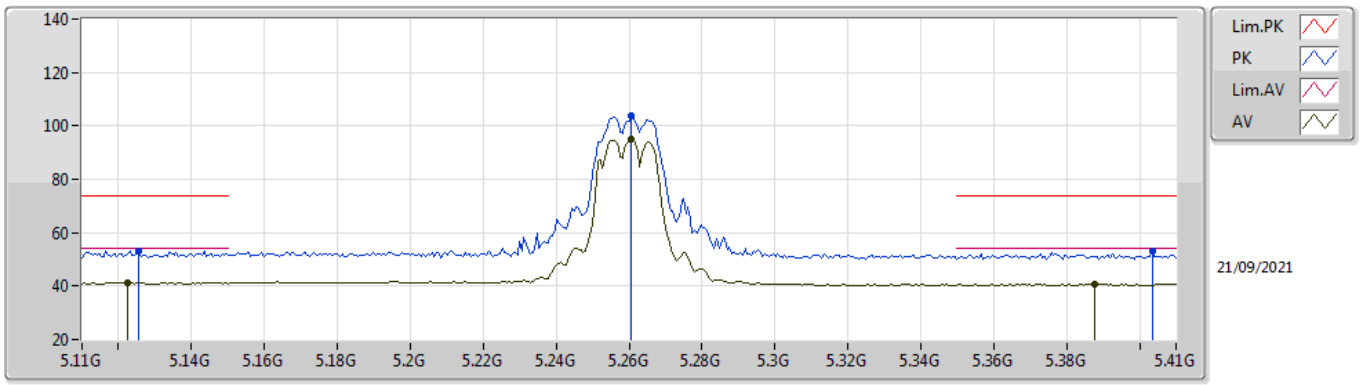
## 5260MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1478G | 43.15 | 54.00 | -10.85 | 4.05 | 3 | Vertical | 109 | 1.68 | - | 39.10 | 32.00 | 6.49 | 34.44 |
| AV | 5.2612G | 106.73 | Inf | -Inf | 3.58 | 3 | Vertical | 109 | 1.68 | - | 103.15 | 31.43 | 6.60 | 34.45 |
| AV | 5.3542G | 41.60 | 54.00 | -12.40 | 3.39 | 3 | Vertical | 109 | 1.68 | - | 38.21 | 31.13 | 6.71 | 34.45 |
| PK | 5.1418G | 54.63 | 74.00 | -19.37 | 4.05 | 3 | Vertical | 109 | 1.68 | - | 50.58 | 32.00 | 6.49 | 34.44 |
| PK | 5.2612G | 114.95 | Inf | -Inf | 3.58 | 3 | Vertical | 109 | 1.68 | - | 111.37 | 31.43 | 6.60 | 34.45 |
| PK | 5.3962G | 53.32 | 74.00 | -20.68 | 3.78 | 3 | Vertical | 109 | 1.68 | - | 49.54 | 31.47 | 6.76 | 34.45 |

## 802.11a_Nss1,(6Mbps)_2TX

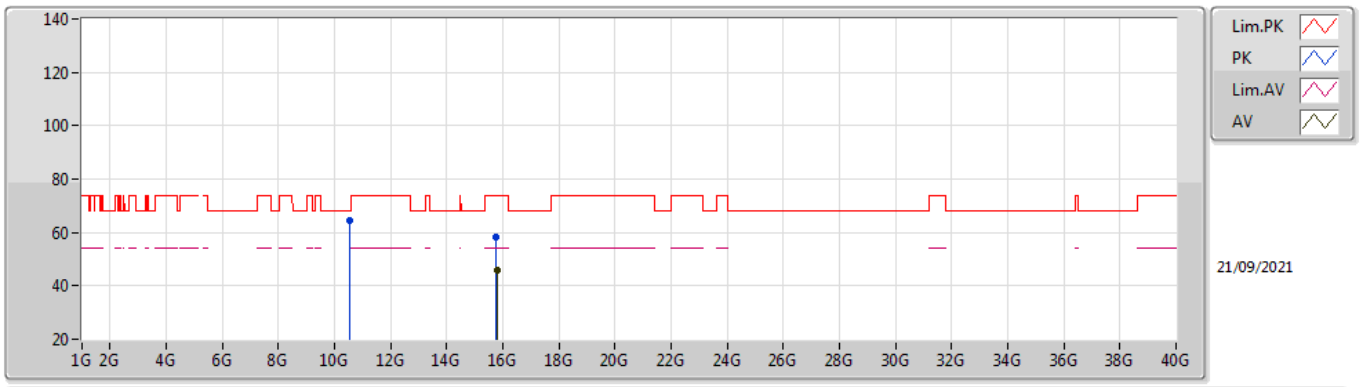
## 5260MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1226G | 41.25 | 54.00 | -12.75 | 4.03 | 3 | Horizontal | 219 | 1.50 | - | 37.22 | 32.00 | 6.47 | 34.44 |
| AV | 5.2606G | 95.24 | Inf | -Inf | 3.59 | 3 | Horizontal | 219 | 1.50 | - | 91.65 | 31.44 | 6.60 | 34.45 |
| AV | 5.3878G | 40.87 | 54.00 | -13.13 | 3.70 | 3 | Horizontal | 219 | 1.50 | - | 37.17 | 31.40 | 6.75 | 34.45 |
| PK | 5.1256G | 53.07 | 74.00 | -20.93 | 4.03 | 3 | Horizontal | 219 | 1.50 | - | 49.04 | 32.00 | 6.47 | 34.44 |
| PK | 5.2606G | 103.92 | Inf | -Inf | 3.59 | 3 | Horizontal | 219 | 1.50 | - | 100.33 | 31.44 | 6.60 | 34.45 |
| PK | 5.4034G | 53.32 | 74.00 | -20.68 | 3.82 | 3 | Horizontal | 219 | 1.50 | - | 49.50 | 31.51 | 6.76 | 34.45 |

## 802.11a_Nss1,(6Mbps)_2TX

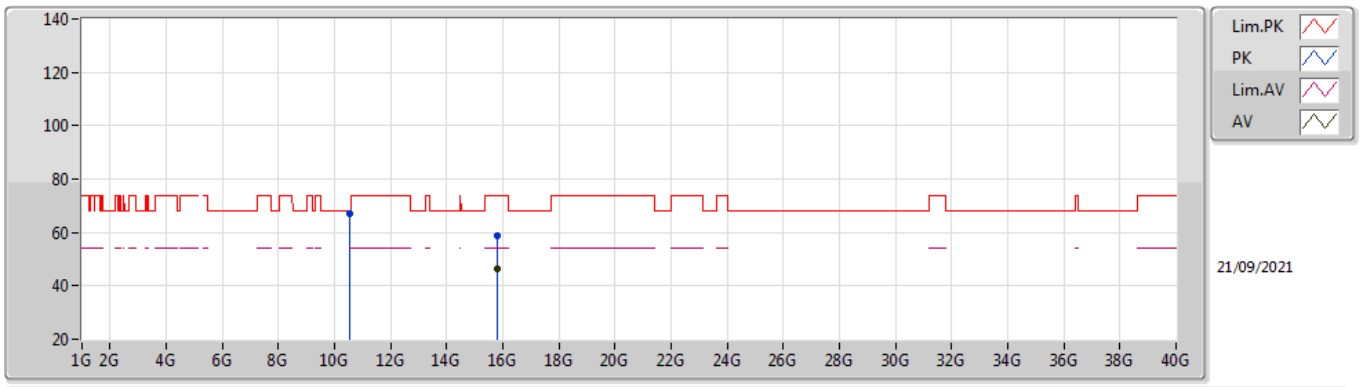
## 5260MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.77928G | 45.96 | 54.00 | -8.04 | 14.43 | 3 | Vertical | 52 | 2.27 | - | 31.53 | 37.32 | 11.74 | 34.63 |
| PK | 10.52048G | 64.67 | 68.20 | -3.53 | 14.77 | 3 | Vertical | 110 | 1.39 | - | 49.90 | 39.68 | 9.56 | 34.47 |
| PK | 15.77412G | 58.44 | 74.00 | -15.56 | 14.43 | 3 | Vertical | 52 | 2.27 | - | 44.01 | 37.33 | 11.73 | 34.63 |

## 802.11a_Nss1,(6Mbps)_2TX

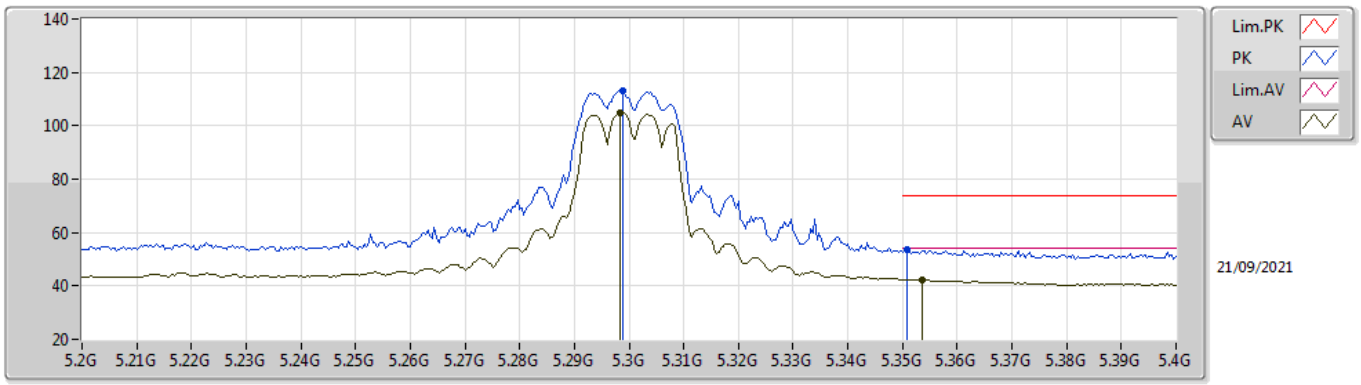
## 5260MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.77928G | 46.13 | 54.00 | -7.87 | 14.43 | 3 | Horizontal | 158 | 1.49 | - | 31.70 | 37.32 | 11.74 | 34.63 |
| PK | 10.52312G | 66.92 | 68.20 | -1.28 | 14.78 | 3 | Horizontal | 25 | 1.25 | - | 52.14 | 39.68 | 9.57 | 34.47 |
| PK | 15.77874G | 58.74 | 74.00 | -15.26 | 14.43 | 3 | Horizontal | 158 | 1.49 | - | 44.31 | 37.32 | 11.74 | 34.63 |

## 802.11a_Nss1,(6Mbps)_2TX

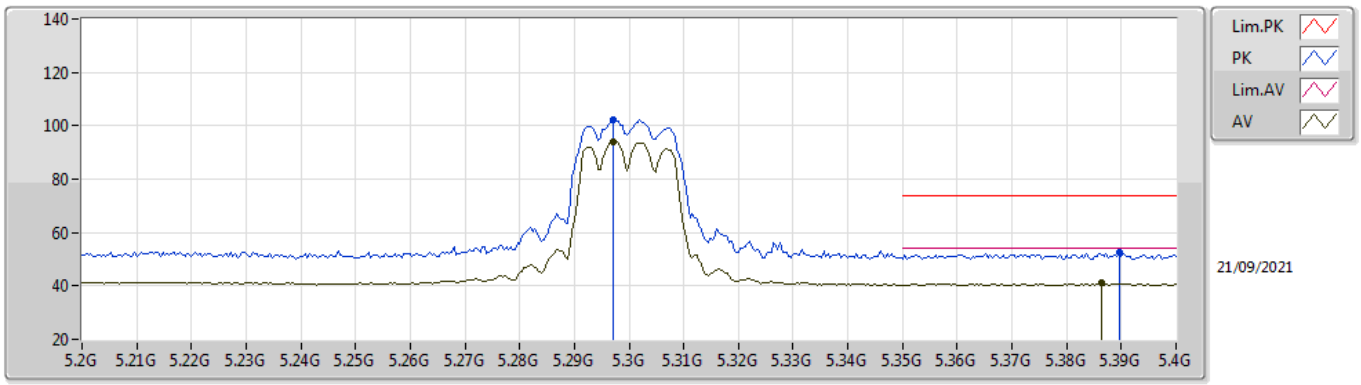
## 5300MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.2984G | 105.02 | Inf | -Inf | 3.40 | 3 | Vertical | 64 | 1.82 | - | 101.62 | 31.21 | 6.64 | 34.45 |
| AV | 5.3536G | 42.48 | 54.00 | -11.52 | 3.39 | 3 | Vertical | 64 | 1.82 | - | 39.09 | 31.13 | 6.71 | 34.45 |
| PK | 5.2988G | 113.33 | Inf | -Inf | 3.40 | 3 | Vertical | 64 | 1.82 | - | 109.93 | 31.21 | 6.64 | 34.45 |
| PK | 5.3508G | 53.63 | 74.00 | -20.37 | 3.36 | 3 | Vertical | 64 | 1.82 | - | 50.27 | 31.11 | 6.70 | 34.45 |

## 802.11a_Nss1,(6Mbps)_2TX

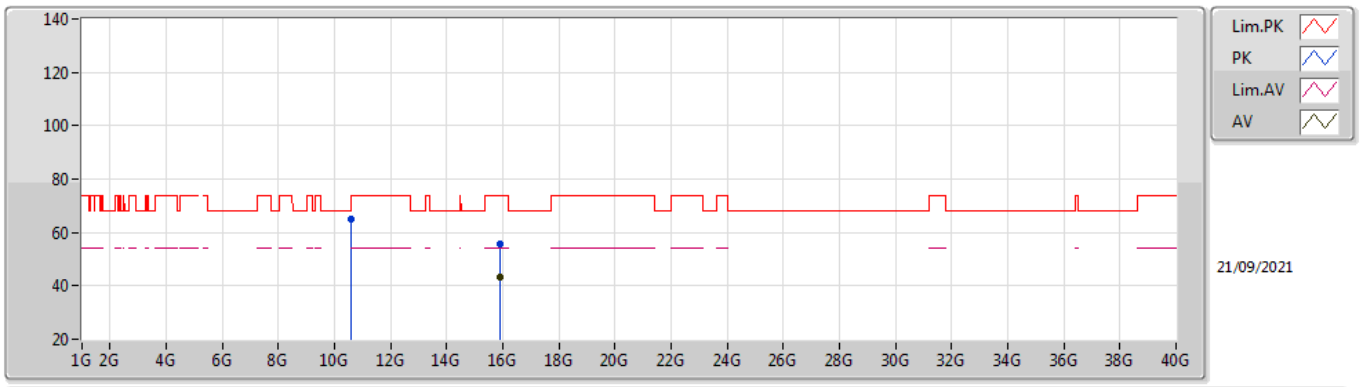
## 5300MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.2972G | 93.94 | Inf | -Inf | 3.41 | 3 | Horizontal | 211 | 1.58 | - | 90.53 | 31.22 | 6.64 | 34.45 |
| AV | 5.3864G | 40.95 | 54.00 | -13.05 | 3.68 | 3 | Horizontal | 211 | 1.58 | - | 37.27 | 31.39 | 6.74 | 34.45 |
| PK | 5.2972G | 102.40 | Inf | -Inf | 3.41 | 3 | Horizontal | 211 | 1.58 | - | 98.99 | 31.22 | 6.64 | 34.45 |
| PK | 5.3896G | 52.50 | 74.00 | -21.50 | 3.72 | 3 | Horizontal | 211 | 1.58 | - | 48.78 | 31.42 | 6.75 | 34.45 |

## 802.11a_Nss1,(6Mbps)_2TX

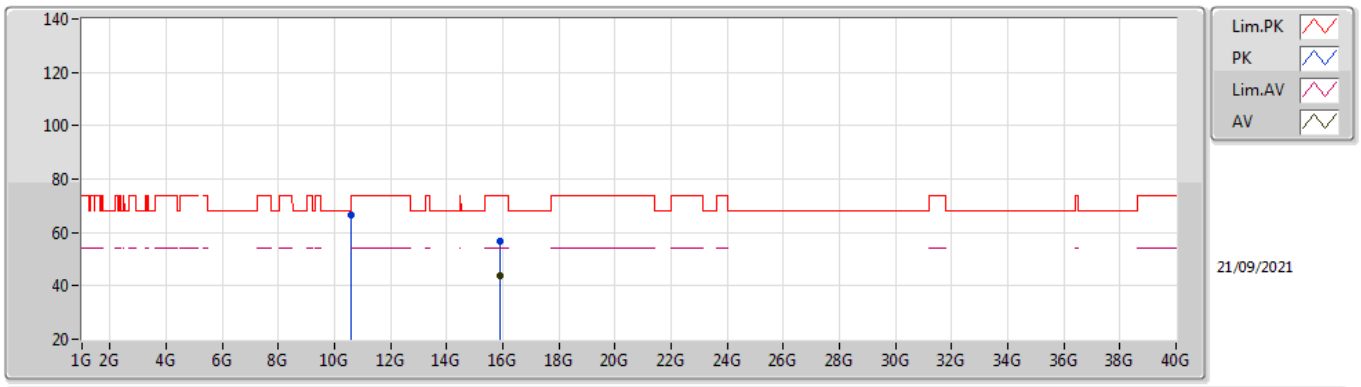
## 5300MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.89676G | 43.32 | 54.00 | -10.68 | 14.10 | 3 | Vertical | 49 | 2.26 | - | 29.22 | 37.01 | 11.79 | 34.70 |
| PK | 10.59972G | 64.84 | 68.20 | -3.36 | 14.75 | 3 | Vertical | 283 | 1.71 | - | 50.09 | 39.60 | 9.59 | 34.44 |
| PK | 15.89538G | 55.46 | 74.00 | -18.54 | 14.10 | 3 | Vertical | 49 | 2.26 | - | 41.36 | 37.01 | 11.79 | 34.70 |

## 802.11a_Nss1,(6Mbps)_2TX

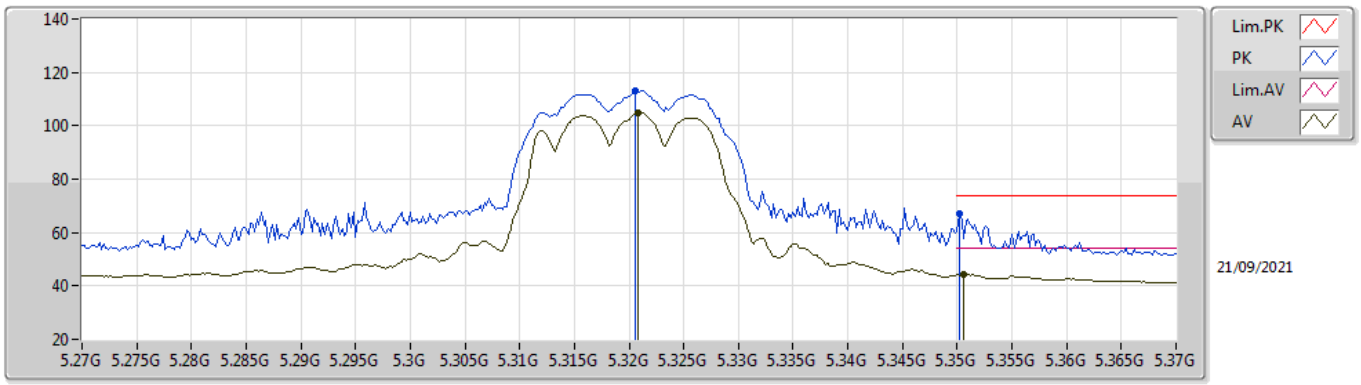
## 5300MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.90048G | 43.68 | 54.00 | -10.32 | 14.08 | 3 | Horizontal | 158 | 1.49 | - | 29.60 | 37.00 | 11.79 | 34.71 |
| PK | 10.59788G | 66.76 | 68.20 | -1.44 | 14.75 | 3 | Horizontal | 24 | 1.42 | - | 52.01 | 39.60 | 9.59 | 34.44 |
| PK | 15.8961G | 56.61 | 74.00 | -17.39 | 14.10 | 3 | Horizontal | 158 | 1.49 | - | 42.51 | 37.01 | 11.79 | 34.70 |

## 802.11a_Nss1,(6Mbps)_2TX

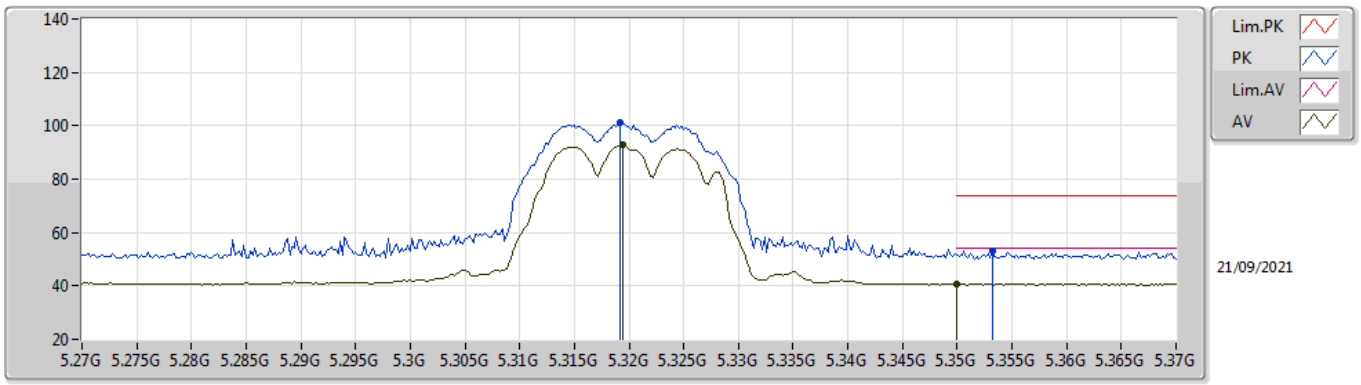
## 5320MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.3208G | 104.71 | Inf | -Inf | 3.38 | 3 | Vertical | 65 | 1.75 | - | 101.33 | 31.16 | 6.67 | 34.45 |
| AV | 5.3506G | 44.46 | 54.00 | -9.54 | 3.35 | 3 | Vertical | 65 | 1.75 | - | 41.11 | 31.10 | 6.70 | 34.45 |
| PK | 5.3206G | 112.90 | Inf | -Inf | 3.38 | 3 | Vertical | 65 | 1.75 | - | 109.52 | 31.16 | 6.67 | 34.45 |
| PK | 5.3502G | 67.13 | 74.00 | -6.87 | 3.35 | 3 | Vertical | 65 | 1.75 | - | 63.78 | 31.10 | 6.70 | 34.45 |

## 802.11a_Nss1,(6Mbps)_2TX

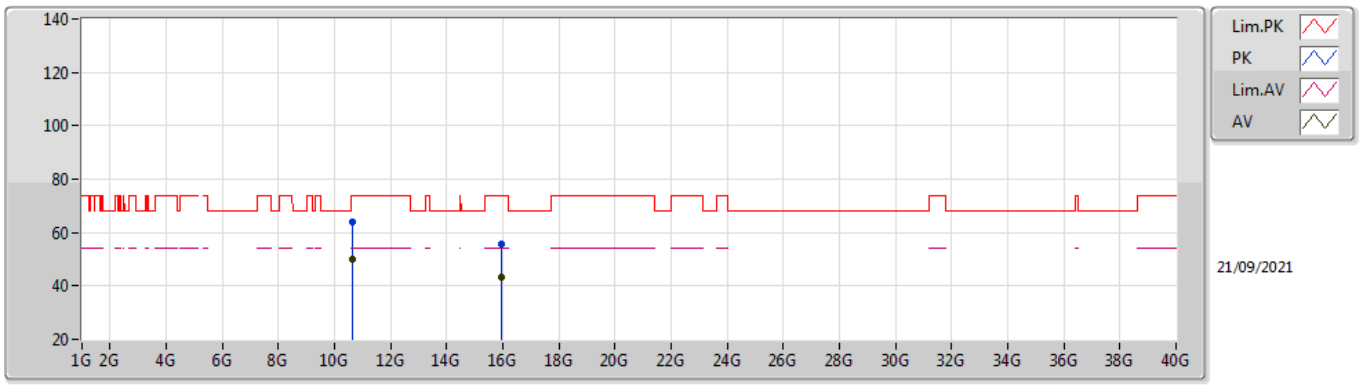
## 5320MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.3194G | 92.73 | Inf | -Inf | 3.38 | 3 | Horizontal | 211 | 1.63 | - | 89.35 | 31.16 | 6.67 | 34.45 |
| AV | 5.35G | 40.85 | 54.00 | -13.15 | 3.35 | 3 | Horizontal | 211 | 1.63 | - | 37.50 | 31.10 | 6.70 | 34.45 |
| PK | 5.3192G | 101.06 | Inf | -Inf | 3.38 | 3 | Horizontal | 211 | 1.63 | - | 97.68 | 31.16 | 6.67 | 34.45 |
| PK | 5.3532G | 53.22 | 74.00 | -20.78 | 3.39 | 3 | Horizontal | 211 | 1.63 | - | 49.83 | 31.13 | 6.71 | 34.45 |

## 802.11a_Nss1,(6Mbps)_2TX

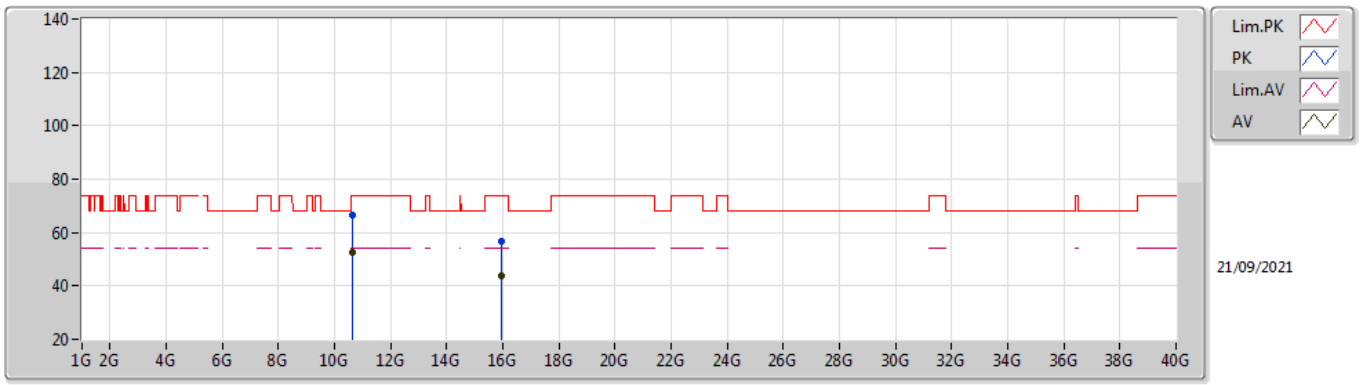
## 5320MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 10.6397G | 50.25 | 54.00 | -3.75 | 14.86 | 3 | Vertical | 286 | 1.74 | - | 35.39 | 39.68 | 9.61 | 34.43 |
| AV | 15.95814G | 43.02 | 54.00 | -10.98 | 14.07 | 3 | Vertical | 57 | 2.05 | - | 28.95 | 37.00 | 11.81 | 34.74 |
| PK | 10.6388G | 64.08 | 74.00 | -9.92 | 14.86 | 3 | Vertical | 286 | 1.74 | - | 49.22 | 39.68 | 9.61 | 34.43 |
| PK | 15.95298G | 55.64 | 74.00 | -18.36 | 14.07 | 3 | Vertical | 57 | 2.05 | - | 41.57 | 37.00 | 11.81 | 34.74 |

## 802.11a_Nss1,(6Mbps)_2TX

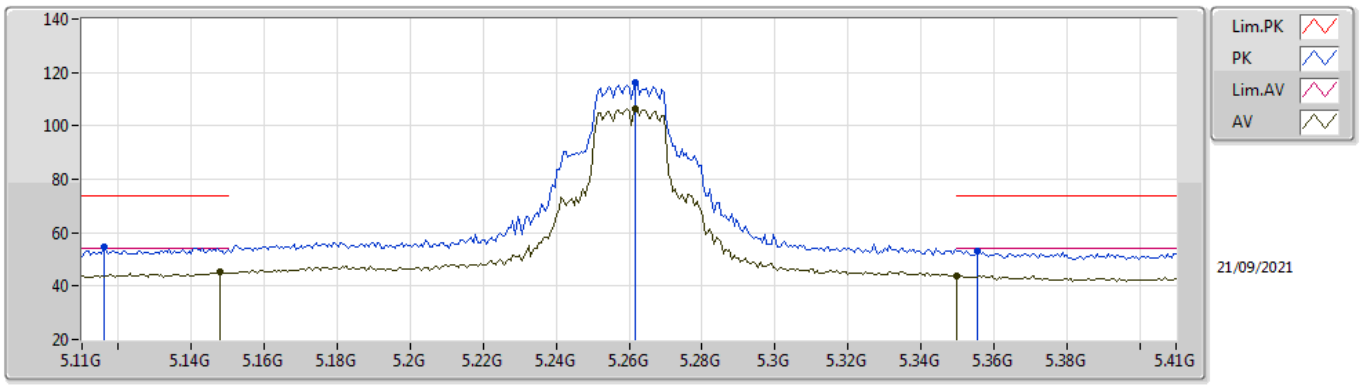
## 5320MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 10.63814G | 52.77 | 54.00 | -1.23 | 14.86 | 3 | Horizontal | 26 | 1.50 | - | 37.91 | 39.68 | 9.61 | 34.43 |
| AV | 15.9588G | 43.59 | 54.00 | -10.41 | 14.07 | 3 | Horizontal | 157 | 1.50 | - | 29.52 | 37.00 | 11.81 | 34.74 |
| PK | 10.63844G | 66.37 | 74.00 | -7.63 | 14.86 | 3 | Horizontal | 26 | 1.50 | - | 51.51 | 39.68 | 9.61 | 34.43 |
| PK | 15.95358G | 56.74 | 74.00 | -17.26 | 14.07 | 3 | Horizontal | 157 | 1.50 | - | 42.67 | 37.00 | 11.81 | 34.74 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX

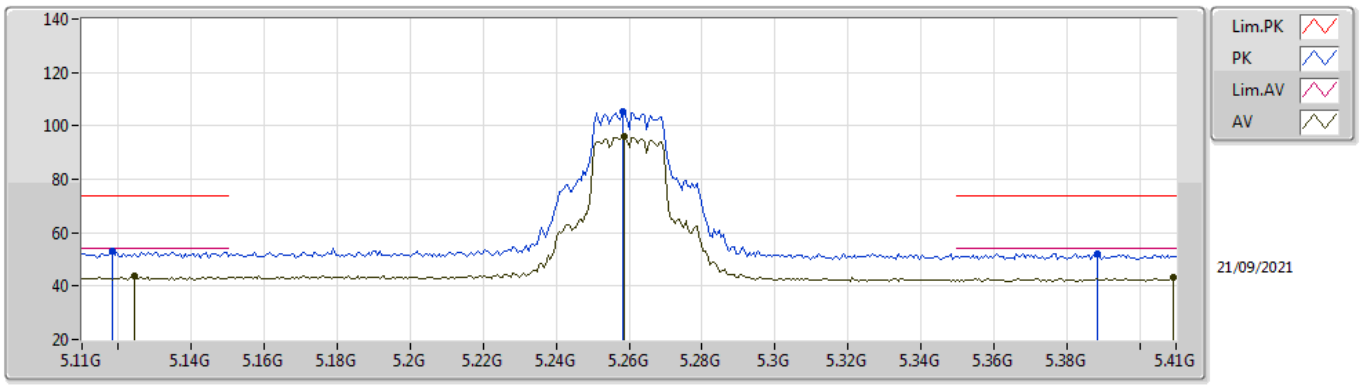
## 5260MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1478G | 45.35 | 54.00 | -8.65 | 4.05 | 3 | Vertical | 108 | 1.69 | - | 41.30 | 32.00 | 6.49 | 34.44 |
| AV | 5.2618G | 106.37 | Inf | -Inf | 3.58 | 3 | Vertical | 108 | 1.69 | - | 102.79 | 31.43 | 6.60 | 34.45 |
| AV | 5.35G | 43.83 | 54.00 | -10.17 | 3.35 | 3 | Vertical | 108 | 1.69 | - | 40.48 | 31.10 | 6.70 | 34.45 |
| PK | 5.116G | 54.41 | 74.00 | -19.59 | 4.03 | 3 | Vertical | 108 | 1.69 | - | 50.38 | 32.00 | 6.47 | 34.44 |
| PK | 5.2618G | 116.28 | Inf | -Inf | 3.58 | 3 | Vertical | 108 | 1.69 | - | 112.70 | 31.43 | 6.60 | 34.45 |
| PK | 5.3554G | 53.30 | 74.00 | -20.70 | 3.40 | 3 | Vertical | 108 | 1.69 | - | 49.90 | 31.14 | 6.71 | 34.45 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX

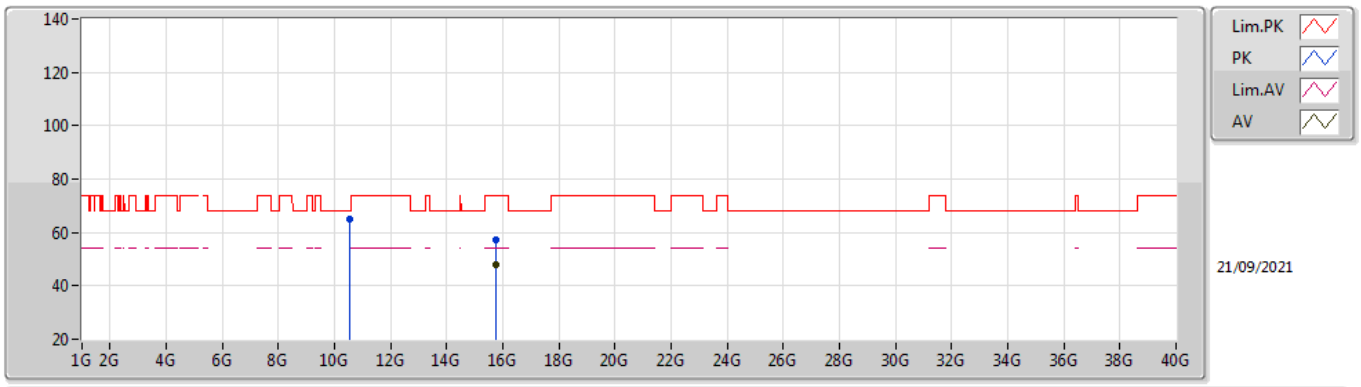
## 5260MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1244G | 43.74 | 54.00 | -10.26 | 4.03 | 3 | Horizontal | 211 | 1.67 | - | 39.71 | 32.00 | 6.47 | 34.44 |
| AV | 5.2588G | 96.22 | Inf | -Inf | 3.60 | 3 | Horizontal | 211 | 1.67 | - | 92.62 | 31.45 | 6.60 | 34.45 |
| AV | 5.4094G | 43.13 | 54.00 | -10.87 | 3.83 | 3 | Horizontal | 211 | 1.67 | - | 39.30 | 31.52 | 6.76 | 34.45 |
| PK | 5.1184G | 53.35 | 74.00 | -20.65 | 4.03 | 3 | Horizontal | 211 | 1.67 | - | 49.32 | 32.00 | 6.47 | 34.44 |
| PK | 5.2582G | 105.52 | Inf | -Inf | 3.60 | 3 | Horizontal | 211 | 1.67 | - | 101.92 | 31.45 | 6.60 | 34.45 |
| PK | 5.3884G | 52.29 | 74.00 | -21.71 | 3.71 | 3 | Horizontal | 211 | 1.67 | - | 48.58 | 31.41 | 6.75 | 34.45 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX

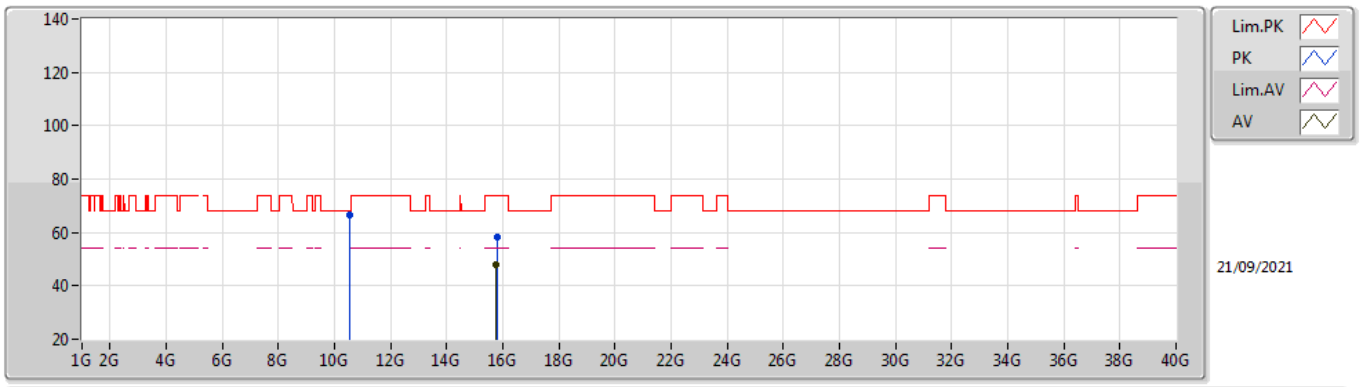
## 5260MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.77196G | 47.72 | 54.00 | -6.28 | 14.44 | 3 | Vertical | 53 | 2.23 | - | 33.28 | 37.33 | 11.73 | 34.62 |
| PK | 10.52042G | 65.05 | 68.20 | -3.15 | 14.77 | 3 | Vertical | 111 | 1.37 | - | 50.28 | 39.68 | 9.56 | 34.47 |
| PK | 15.77448G | 57.02 | 74.00 | -16.98 | 14.43 | 3 | Vertical | 53 | 2.23 | - | 42.59 | 37.33 | 11.73 | 34.63 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX

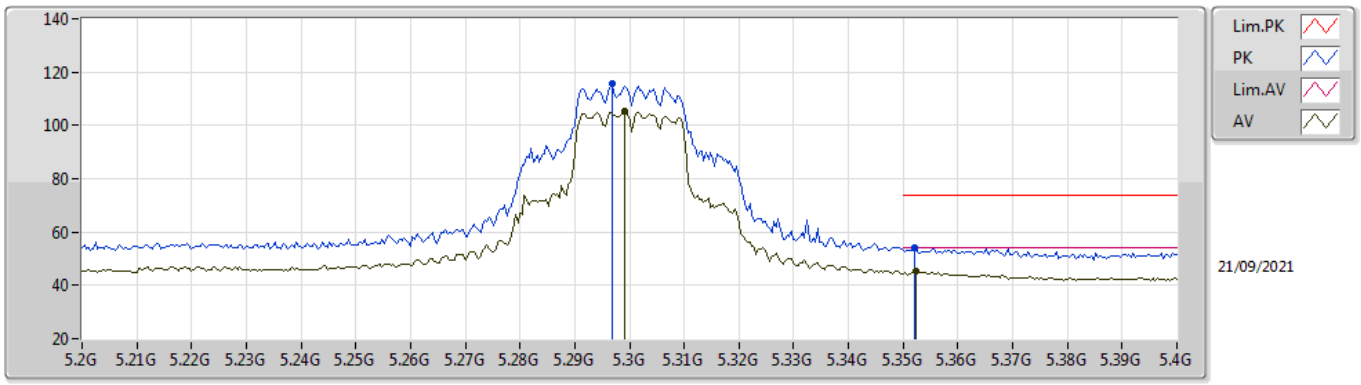
## 5260MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.77724G | 47.91 | 54.00 | -6.09 | 14.43 | 3 | Horizontal | 158 | 1.50 | - | 33.48 | 37.32 | 11.74 | 34.63 |
| PK | 10.51952G | 66.80 | 68.20 | -1.40 | 14.77 | 3 | Horizontal | 25 | 1.30 | - | 52.03 | 39.68 | 9.56 | 34.47 |
| PK | 15.78426G | 58.25 | 74.00 | -15.75 | 14.43 | 3 | Horizontal | 158 | 1.50 | - | 43.82 | 37.32 | 11.74 | 34.63 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX

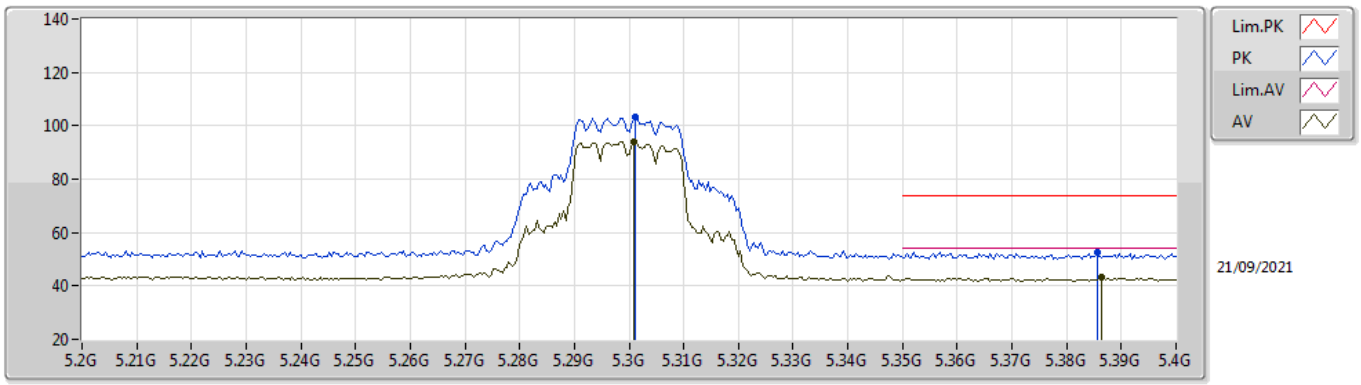
## 5300MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.2992G | 105.27 | Inf | -Inf | 3.39 | 3 | Vertical | 65 | 1.78 | - | 101.88 | 31.20 | 6.64 | 34.45 |
| AV | 5.3524G | 45.47 | 54.00 | -8.53 | 3.38 | 3 | Vertical | 65 | 1.78 | - | 42.09 | 31.12 | 6.71 | 34.45 |
| PK | 5.2968G | 115.84 | Inf | -Inf | 3.41 | 3 | Vertical | 65 | 1.78 | - | 112.43 | 31.22 | 6.64 | 34.45 |
| PK | 5.352G | 53.95 | 74.00 | -20.05 | 3.37 | 3 | Vertical | 65 | 1.78 | - | 50.58 | 31.12 | 6.70 | 34.45 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX

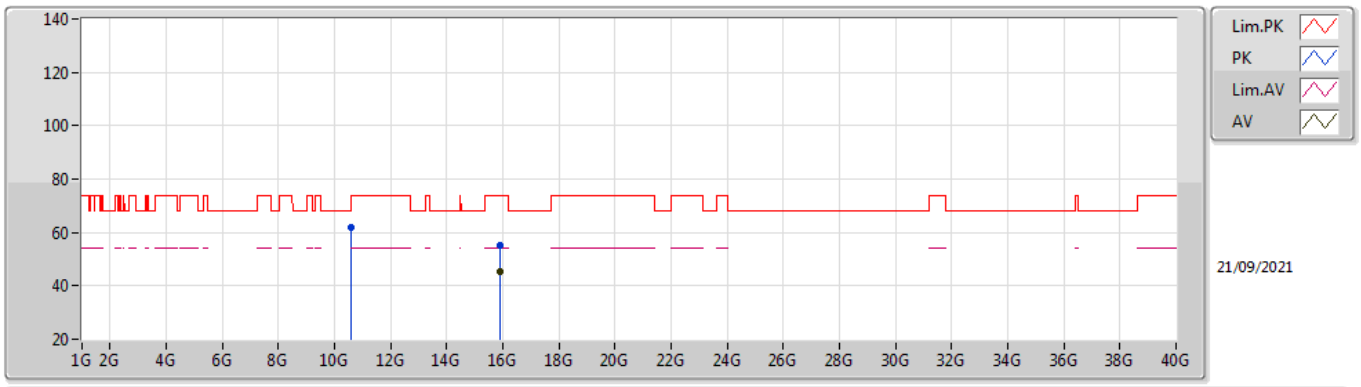
## 5300MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.3008G | 93.85 | Inf | -Inf | 3.40 | 3 | Horizontal | 210 | 1.67 | - | 90.45 | 31.20 | 6.65 | 34.45 |
| AV | 5.3864G | 43.26 | 54.00 | -10.74 | 3.68 | 3 | Horizontal | 210 | 1.67 | - | 39.58 | 31.39 | 6.74 | 34.45 |
| PK | 5.3012G | 103.19 | Inf | -Inf | 3.40 | 3 | Horizontal | 210 | 1.67 | - | 99.79 | 31.20 | 6.65 | 34.45 |
| PK | 5.3856G | 52.46 | 74.00 | -21.54 | 3.67 | 3 | Horizontal | 210 | 1.67 | - | 48.79 | 31.38 | 6.74 | 34.45 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX

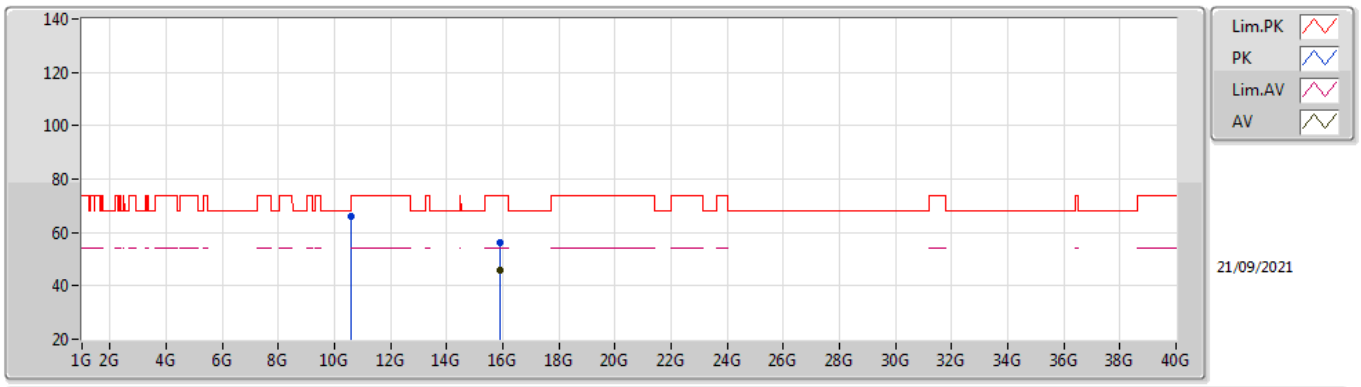
## 5300MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.89208G | 45.51 | 54.00 | -8.49 | 14.10 | 3 | Vertical | 51 | 1.50 | - | 31.41 | 37.02 | 11.78 | 34.70 |
| PK | 10.59754G | 61.99 | 68.20 | -6.21 | 14.75 | 3 | Vertical | 238 | 1.50 | - | 47.24 | 39.60 | 9.59 | 34.44 |
| PK | 15.90714G | 55.02 | 74.00 | -18.98 | 14.08 | 3 | Vertical | 51 | 1.50 | - | 40.94 | 37.00 | 11.79 | 34.71 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX

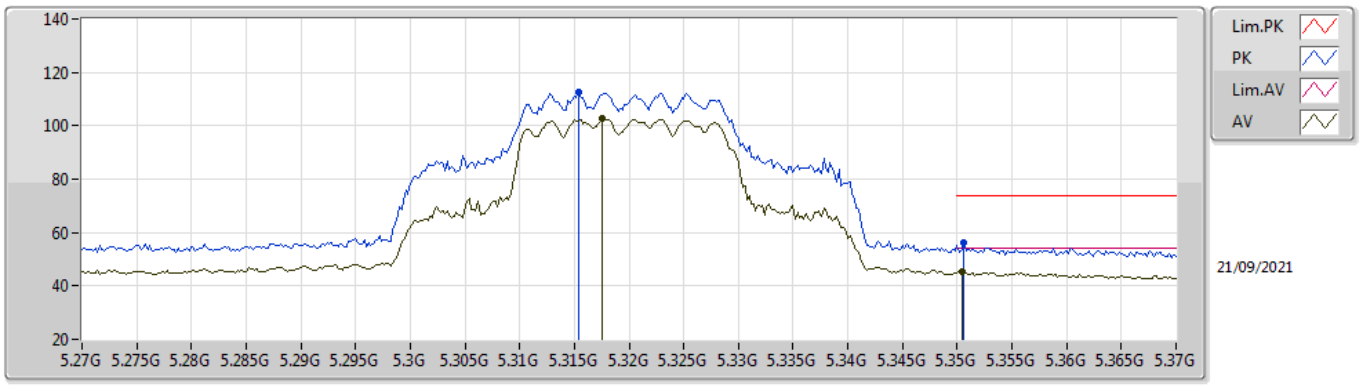
## 5300MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.89682G | 45.91 | 54.00 | -8.09 | 14.10 | 3 | Horizontal | 158 | 1.50 | - | 31.81 | 37.01 | 11.79 | 34.70 |
| PK | 10.59646G | 66.05 | 68.20 | -2.15 | 14.74 | 3 | Horizontal | 25 | 1.35 | - | 51.31 | 39.60 | 9.59 | 34.45 |
| PK | 15.89898G | 55.97 | 74.00 | -18.03 | 14.08 | 3 | Horizontal | 158 | 1.50 | - | 41.89 | 37.00 | 11.79 | 34.71 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX

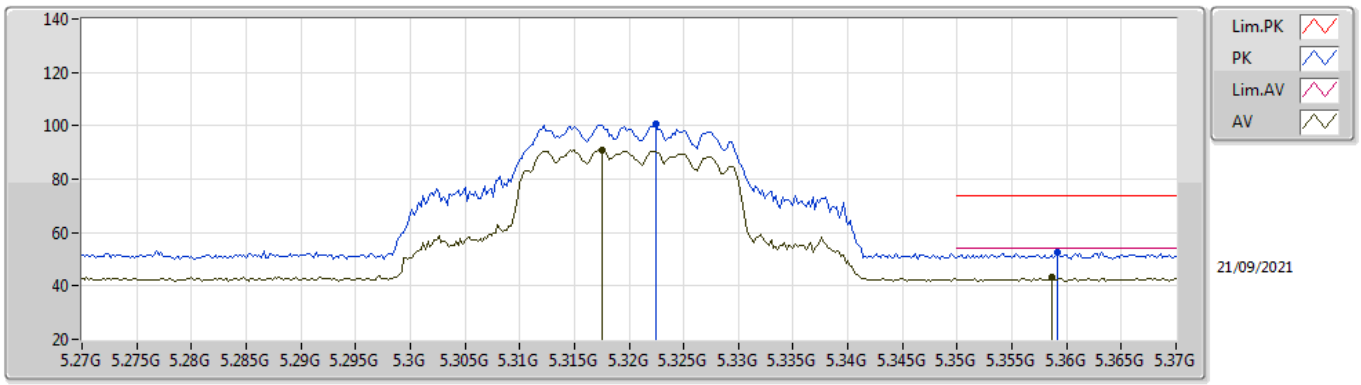
## 5320MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.3176G | 102.57 | Inf | -Inf | 3.38 | 3 | Vertical | 66 | 1.84 | - | 99.19 | 31.16 | 6.67 | 34.45 |
| AV | 5.3504G | 45.32 | 54.00 | -8.68 | 3.35 | 3 | Vertical | 66 | 1.84 | - | 41.97 | 31.10 | 6.70 | 34.45 |
| PK | 5.3154G | 112.84 | Inf | -Inf | 3.38 | 3 | Vertical | 66 | 1.84 | - | 109.46 | 31.17 | 6.66 | 34.45 |
| PK | 5.3506G | 56.14 | 74.00 | -17.86 | 3.35 | 3 | Vertical | 66 | 1.84 | - | 52.79 | 31.10 | 6.70 | 34.45 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX

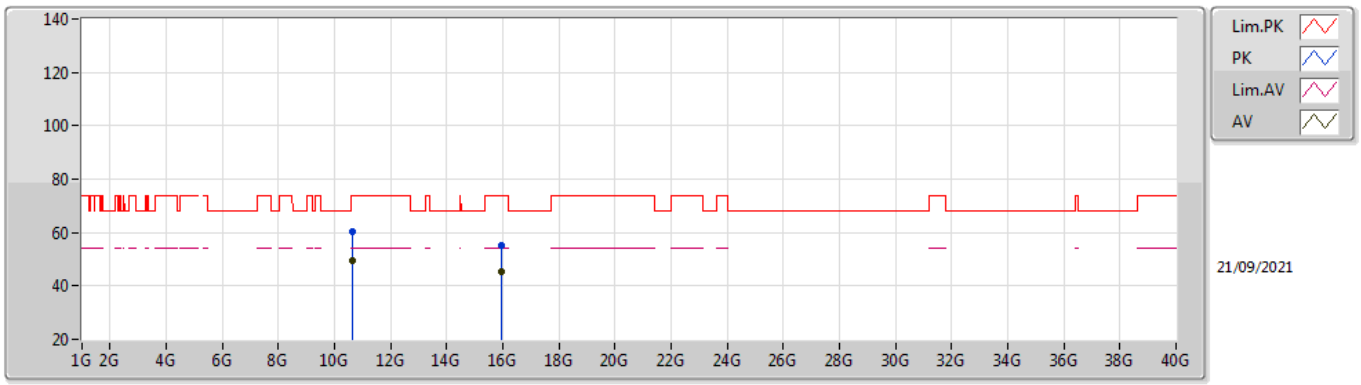
## 5320MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.3176G | 91.02 | Inf | -Inf | 3.38 | 3 | Horizontal | 211 | 1.62 | - | 87.64 | 31.16 | 6.67 | 34.45 |
| AV | 5.3586G | 43.13 | 54.00 | -10.87 | 3.43 | 3 | Horizontal | 211 | 1.62 | - | 39.70 | 31.17 | 6.71 | 34.45 |
| PK | 5.3224G | 100.52 | Inf | -Inf | 3.38 | 3 | Horizontal | 211 | 1.62 | - | 97.14 | 31.16 | 6.67 | 34.45 |
| PK | 5.3592G | 52.50 | 74.00 | -21.50 | 3.43 | 3 | Horizontal | 211 | 1.62 | - | 49.07 | 31.17 | 6.71 | 34.45 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX

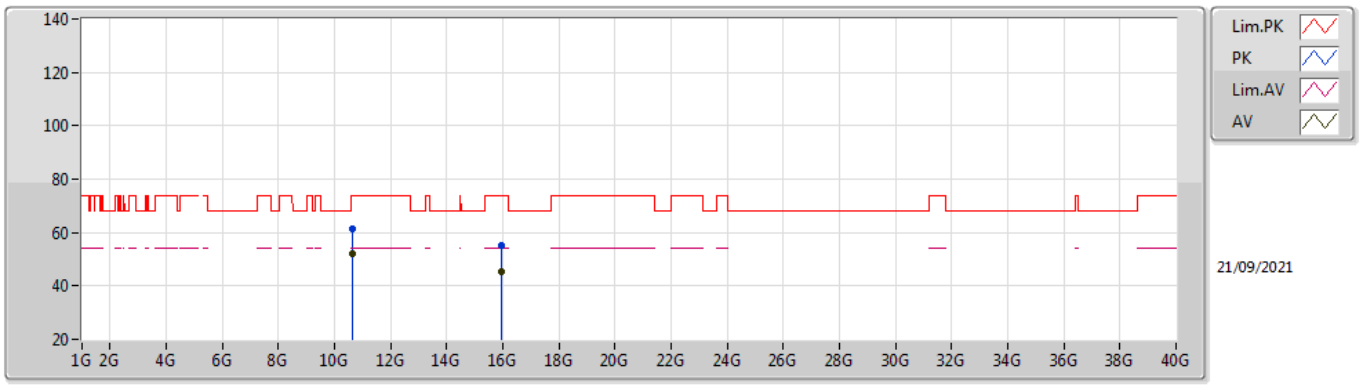
## 5320MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 10.63736G | 49.74 | 54.00 | -4.26 | 14.85 | 3 | Vertical | 284 | 1.71 | - | 34.89 | 39.67 | 9.61 | 34.43 |
| AV | 15.97434G | 45.11 | 54.00 | -8.89 | 14.07 | 3 | Vertical | 17 | 2.02 | - | 31.04 | 37.00 | 11.82 | 34.75 |
| PK | 10.6346G | 60.56 | 74.00 | -13.44 | 14.85 | 3 | Vertical | 284 | 1.71 | - | 45.71 | 39.67 | 9.61 | 34.43 |
| PK | 15.9531G | 55.05 | 74.00 | -18.95 | 14.07 | 3 | Vertical | 17 | 2.02 | - | 40.98 | 37.00 | 11.81 | 34.74 |

## 802.11ax HEW20_Nss1,(MCS0)_2TX

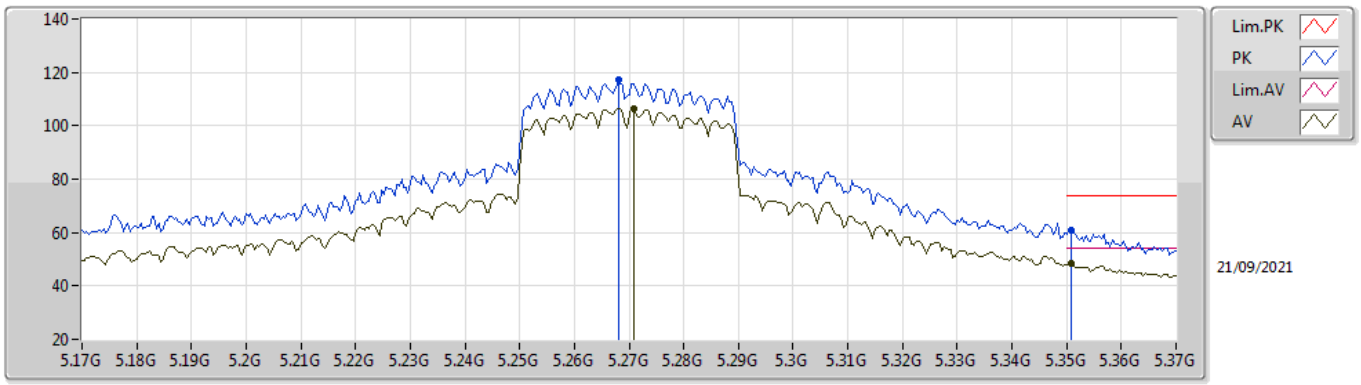
## 5320MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 10.63898G | 52.09 | 54.00 | -1.91 | 14.86 | 3 | Horizontal | 26 | 1.49 | - | 37.23 | 39.68 | 9.61 | 34.43 |
| AV | 15.96618G | 45.37 | 54.00 | -8.63 | 14.07 | 3 | Horizontal | 302 | 1.50 | - | 31.30 | 37.00 | 11.82 | 34.75 |
| PK | 10.63388G | 61.25 | 74.00 | -12.75 | 14.85 | 3 | Horizontal | 26 | 1.49 | - | 46.40 | 39.67 | 9.61 | 34.43 |
| PK | 15.96312G | 55.10 | 74.00 | -18.90 | 14.06 | 3 | Horizontal | 302 | 1.50 | - | 41.04 | 37.00 | 11.81 | 34.75 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX

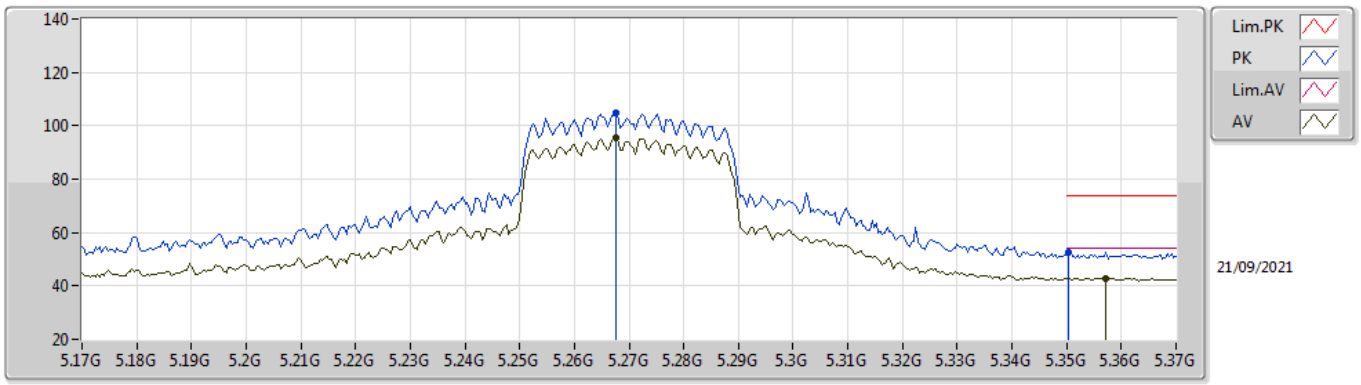
## 5270MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.2708G | 106.63 | Inf | -Inf | 3.54 | 3 | Vertical | 108 | 1.61 | - | 103.09 | 31.38 | 6.61 | 34.45 |
| AV | 5.3508G | 48.42 | 54.00 | -5.58 | 3.36 | 3 | Vertical | 108 | 1.61 | - | 45.06 | 31.11 | 6.70 | 34.45 |
| PK | 5.268G | 117.18 | Inf | -Inf | 3.55 | 3 | Vertical | 108 | 1.61 | - | 113.63 | 31.39 | 6.61 | 34.45 |
| PK | 5.3508G | 60.82 | 74.00 | -13.18 | 3.36 | 3 | Vertical | 108 | 1.61 | - | 57.46 | 31.11 | 6.70 | 34.45 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX

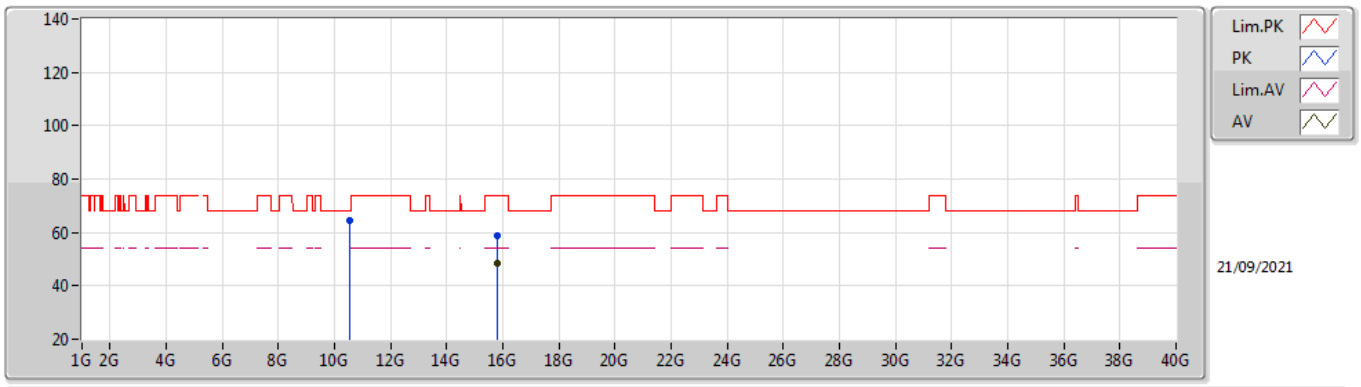
## 5270MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.2676G | 95.29 | Inf | -Inf | 3.55 | 3 | Horizontal | 212 | 1.58 | - | 91.74 | 31.39 | 6.61 | 34.45 |
| AV | 5.3572G | 42.90 | 54.00 | -11.10 | 3.42 | 3 | Horizontal | 212 | 1.58 | - | 39.48 | 31.16 | 6.71 | 34.45 |
| PK | 5.2676G | 104.80 | Inf | -Inf | 3.55 | 3 | Horizontal | 212 | 1.58 | - | 101.25 | 31.39 | 6.61 | 34.45 |
| PK | 5.3504G | 52.57 | 74.00 | -21.43 | 3.35 | 3 | Horizontal | 212 | 1.58 | - | 49.22 | 31.10 | 6.70 | 34.45 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX

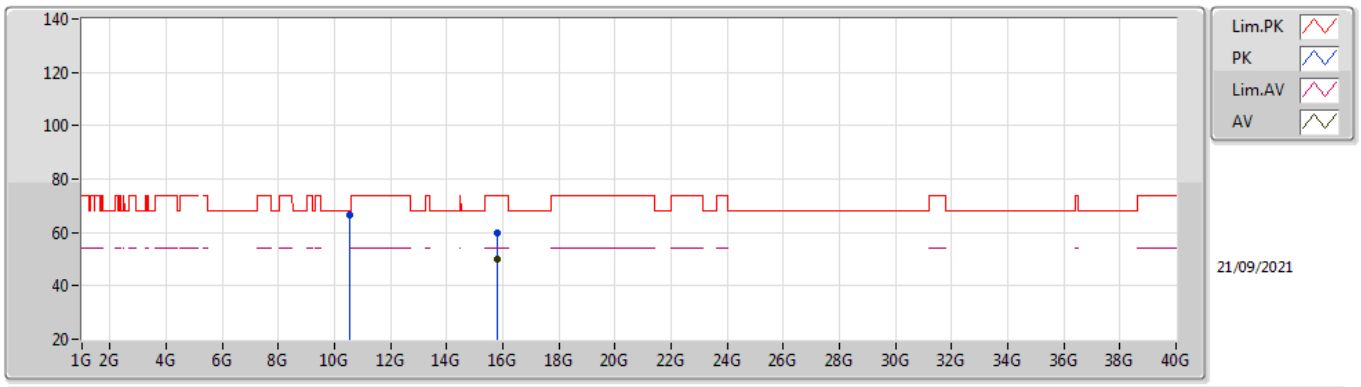
## 5270MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.8044G | 48.23 | 54.00 | -5.77 | 14.40 | 3 | Vertical | 51 | 2.26 | - | 33.83 | 37.29 | 11.75 | 34.64 |
| PK | 10.54104G | 64.39 | 68.20 | -3.81 | 14.76 | 3 | Vertical | 242 | 1.63 | - | 49.63 | 39.66 | 9.57 | 34.47 |
| PK | 15.79976G | 58.88 | 74.00 | -15.12 | 14.40 | 3 | Vertical | 51 | 2.26 | - | 44.48 | 37.30 | 11.74 | 34.64 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX

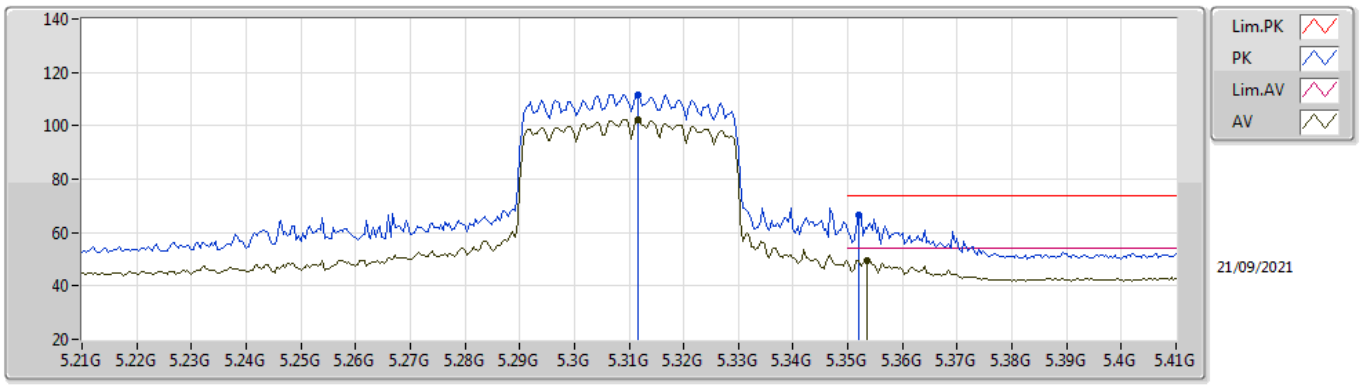
## 5270MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.80944G | 49.80 | 54.00 | -4.20 | 14.37 | 3 | Horizontal | 157 | 1.50 | - | 35.43 | 37.27 | 11.75 | 34.65 |
| PK | 10.53912G | 66.47 | 68.20 | -1.73 | 14.76 | 3 | Horizontal | 25 | 1.38 | - | 51.71 | 39.66 | 9.57 | 34.47 |
| PK | 15.80704G | 60.06 | 74.00 | -13.94 | 14.38 | 3 | Horizontal | 157 | 1.50 | - | 45.68 | 37.28 | 11.75 | 34.65 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX

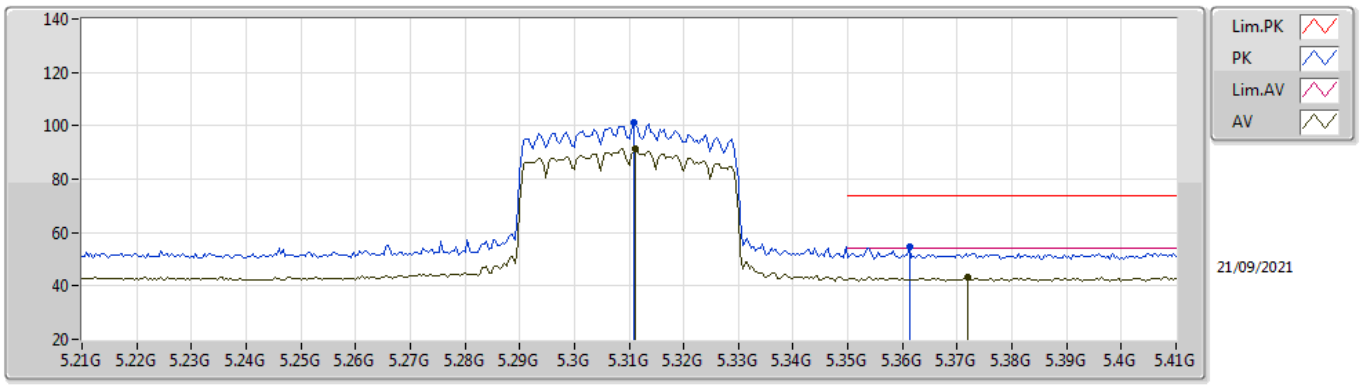
## 5310MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.3116G | 102.50 | Inf | -Inf | 3.39 | 3 | Vertical | 65 | 1.87 | - | 99.11 | 31.18 | 6.66 | 34.45 |
| AV | 5.3536G | 49.61 | 54.00 | -4.39 | 3.39 | 3 | Vertical | 65 | 1.87 | - | 46.22 | 31.13 | 6.71 | 34.45 |
| PK | 5.3116G | 111.81 | Inf | -Inf | 3.39 | 3 | Vertical | 65 | 1.87 | - | 108.42 | 31.18 | 6.66 | 34.45 |
| PK | 5.352G | 66.38 | 74.00 | -7.62 | 3.37 | 3 | Vertical | 65 | 1.87 | - | 63.01 | 31.12 | 6.70 | 34.45 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX

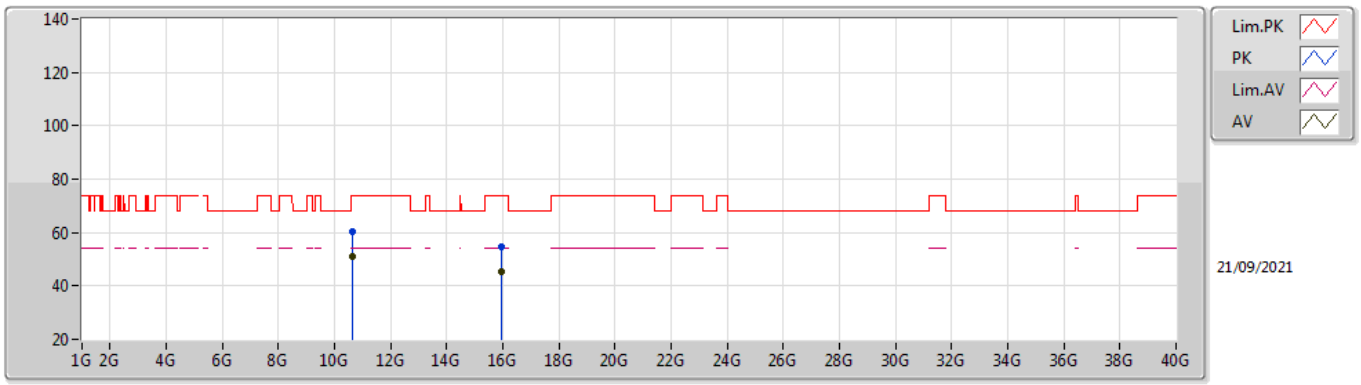
## 5310MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.3112G | 91.24 | Inf | -Inf | 3.39 | 3 | Horizontal | 211 | 1.63 | - | 87.85 | 31.18 | 6.66 | 34.45 |
| AV | 5.372G | 43.42 | 54.00 | -10.58 | 3.56 | 3 | Horizontal | 211 | 1.63 | - | 39.86 | 31.28 | 6.73 | 34.45 |
| PK | 5.3108G | 101.01 | Inf | -Inf | 3.39 | 3 | Horizontal | 211 | 1.63 | - | 97.62 | 31.18 | 6.66 | 34.45 |
| PK | 5.3612G | 54.64 | 74.00 | -19.36 | 3.46 | 3 | Horizontal | 211 | 1.63 | - | 51.18 | 31.19 | 6.72 | 34.45 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX

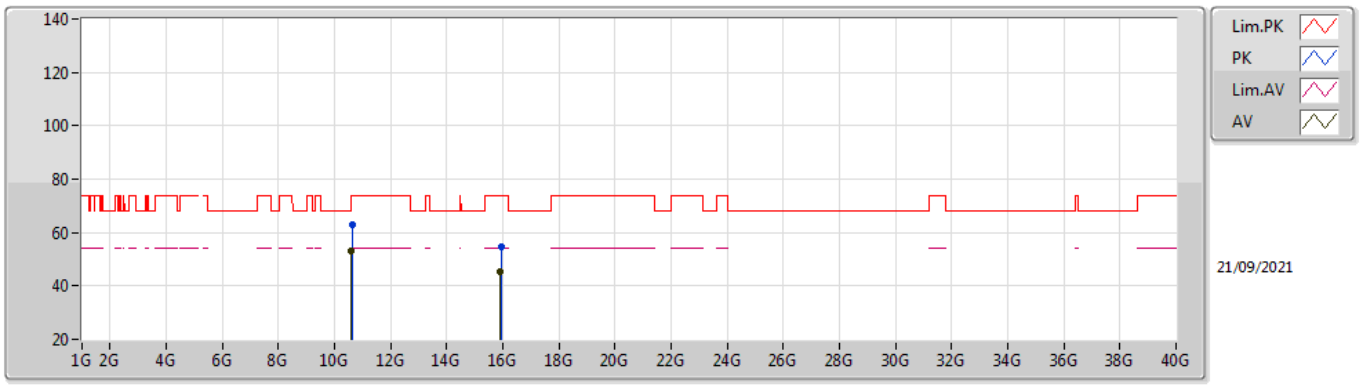
## 5310MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 10.62032G | 50.94 | 54.00 | -3.06 | 14.80 | 3 | Vertical | 285 | 1.58 | - | 36.14 | 39.64 | 9.60 | 34.44 |
| AV | 15.92976G | 45.17 | 54.00 | -8.83 | 14.07 | 3 | Vertical | 65 | 1.50 | - | 31.10 | 37.00 | 11.80 | 34.73 |
| PK | 10.6168G | 60.16 | 74.00 | -13.84 | 14.79 | 3 | Vertical | 285 | 1.58 | - | 45.37 | 39.63 | 9.60 | 34.44 |
| PK | 15.93856G | 54.58 | 74.00 | -19.42 | 14.07 | 3 | Vertical | 65 | 1.50 | - | 40.51 | 37.00 | 11.80 | 34.73 |

## 802.11ax HEW40_Nss1,(MCS0)_2TX

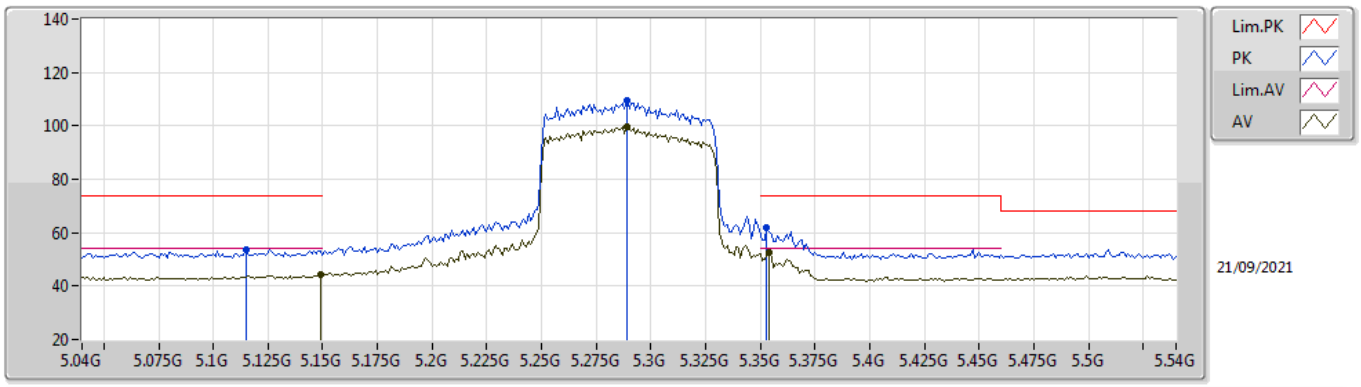
## 5310MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 10.61408G | 52.89 | 54.00 | -1.11 | 14.79 | 3 | Horizontal | 26 | 1.27 | - | 38.10 | 39.63 | 9.60 | 34.44 |
| AV | 15.91104G | 45.44 | 54.00 | -8.56 | 14.08 | 3 | Horizontal | 158 | 1.32 | - | 31.36 | 37.00 | 11.79 | 34.71 |
| PK | 10.6196G | 62.81 | 74.00 | -11.19 | 14.80 | 3 | Horizontal | 26 | 1.27 | - | 48.01 | 39.64 | 9.60 | 34.44 |
| PK | 15.9348G | 54.72 | 74.00 | -19.28 | 14.07 | 3 | Horizontal | 158 | 1.32 | - | 40.65 | 37.00 | 11.80 | 34.73 |

## 802.11ax HEW80_Nss1,(MCS0)_2TX

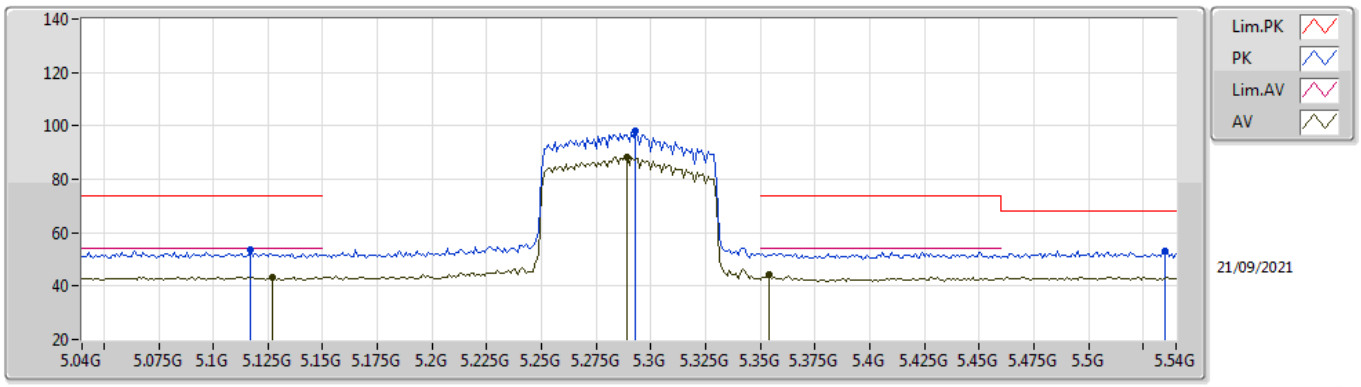
## 5290MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.149G | 44.26 | 54.00 | -9.74 | 4.05 | 3 | Vertical | 64 | 1.72 | - | 40.21 | 32.00 | 6.49 | 34.44 |
| AV | 5.289G | 99.80 | Inf | -Inf | 3.45 | 3 | Vertical | 64 | 1.72 | - | 96.35 | 31.27 | 6.63 | 34.45 |
| AV | 5.354G | 52.47 | 54.00 | -1.53 | 3.39 | 3 | Vertical | 64 | 1.72 | - | 49.08 | 31.13 | 6.71 | 34.45 |
| PK | 5.115G | 53.86 | 74.00 | -20.14 | 4.03 | 3 | Vertical | 64 | 1.72 | - | 49.83 | 32.00 | 6.47 | 34.44 |
| PK | 5.289G | 109.32 | Inf | -Inf | 3.45 | 3 | Vertical | 64 | 1.72 | - | 105.87 | 31.27 | 6.63 | 34.45 |
| PK | 5.353G | 61.80 | 74.00 | -12.20 | 3.38 | 3 | Vertical | 64 | 1.72 | - | 58.42 | 31.12 | 6.71 | 34.45 |

## 802.11ax HEW80_Nss1,(MCS0)_2TX

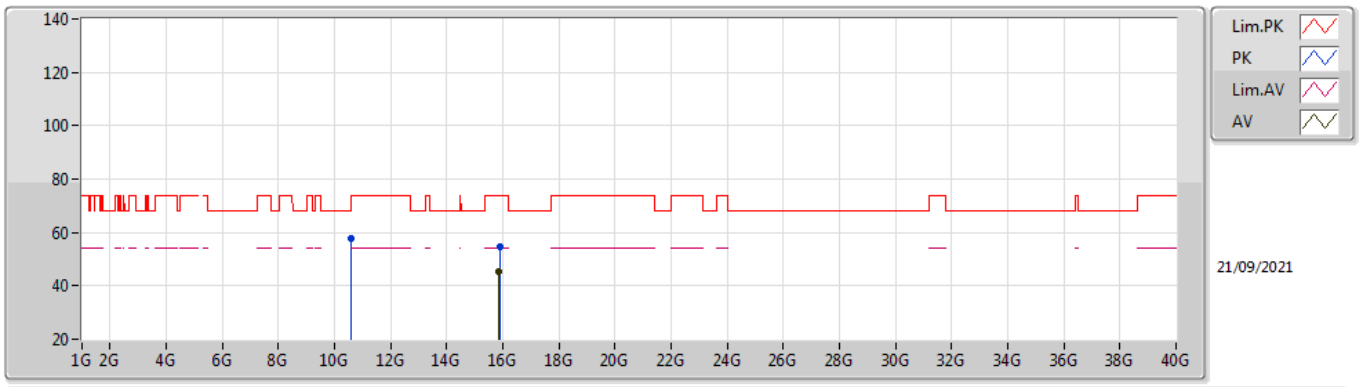
## 5290MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.127G | 43.49 | 54.00 | -10.51 | 4.04 | 3 | Horizontal | 211 | 1.65 | - | 39.45 | 32.00 | 6.48 | 34.44 |
| AV | 5.289G | 88.38 | Inf | -Inf | 3.45 | 3 | Horizontal | 211 | 1.65 | - | 84.93 | 31.27 | 6.63 | 34.45 |
| AV | 5.354G | 44.08 | 54.00 | -9.92 | 3.39 | 3 | Horizontal | 211 | 1.65 | - | 40.69 | 31.13 | 6.71 | 34.45 |
| PK | 5.117G | 53.49 | 74.00 | -20.51 | 4.03 | 3 | Horizontal | 211 | 1.65 | - | 49.46 | 32.00 | 6.47 | 34.44 |
| PK | 5.293G | 98.08 | Inf | -Inf | 3.43 | 3 | Horizontal | 211 | 1.65 | - | 94.65 | 31.24 | 6.64 | 34.45 |
| PK | 5.535G | 53.36 | 68.20 | -14.84 | 4.10 | 3 | Horizontal | 211 | 1.65 | - | 49.26 | 31.73 | 6.83 | 34.46 |

## 802.11ax HEW80_Nss1,(MCS0)_2TX

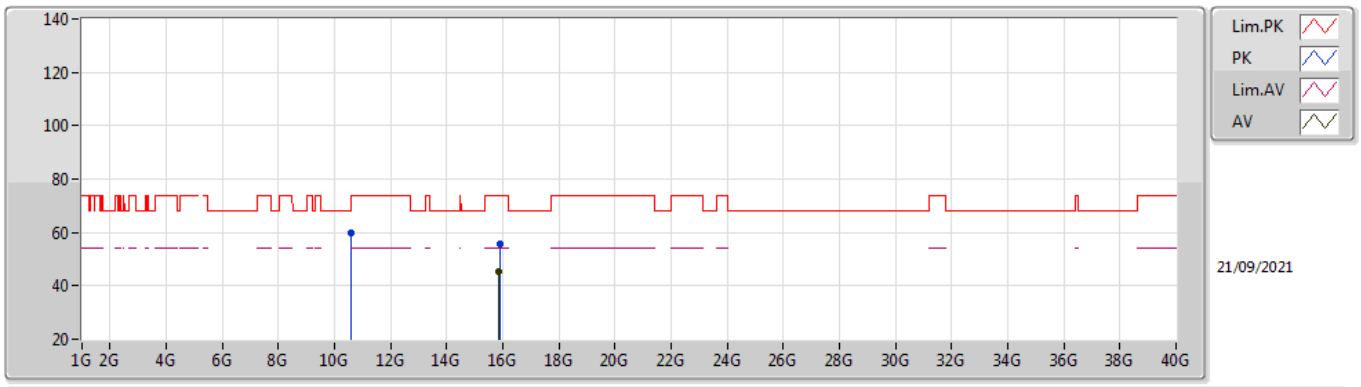
## 5290MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.87248G | 45.46 | 54.00 | -8.54 | 14.17 | 3 | Vertical | 306 | 1.50 | - | 31.29 | 37.08 | 11.78 | 34.69 |
| PK | 10.58512G | 57.84 | 68.20 | -10.36 | 14.75 | 3 | Vertical | 239 | 1.50 | - | 43.09 | 39.61 | 9.59 | 34.45 |
| PK | 15.87808G | 54.68 | 74.00 | -19.32 | 14.16 | 3 | Vertical | 306 | 1.50 | - | 40.52 | 37.07 | 11.78 | 34.69 |

## 802.11ax HEW80_Nss1,(MCS0)_2TX

## 5290MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 15.8764G | 45.31 | 54.00 | -8.69 | 14.16 | 3 | Horizontal | 0 | 1.50 | - | 31.15 | 37.07 | 11.78 | 34.69 |
| PK | 10.59168G | 59.91 | 68.20 | -8.29 | 14.75 | 3 | Horizontal | 28 | 1.36 | - | 45.16 | 39.61 | 9.59 | 34.45 |
| PK | 15.88888G | 55.54 | 74.00 | -18.46 | 14.11 | 3 | Horizontal | 0 | 1.50 | - | 41.43 | 37.03 | 11.78 | 34.70 |

**Summary**

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.25-5.35GHz | - | - | - | - | - | - | - | - | - | - | - |
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | Pass | AV | 10.63928G | 52.85 | 54.00 | -1.15 | 3 | Vertical | 288 | 1.75 | - |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | Pass | AV | 5.35G | 51.32 | 54.00 | -2.68 | 3 | Vertical | 94 | 1.72 | - |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | Pass | AV | 5.35G | 52.31 | 54.00 | -1.69 | 3 | Vertical | 67 | 1.74 | - |

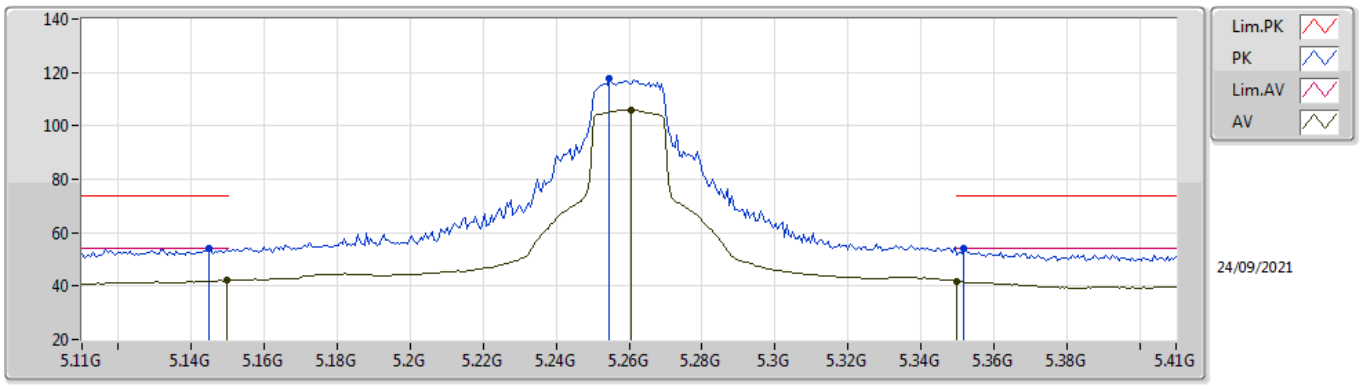
## Result

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HEW20-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - | - |
| 5260MHz | Pass | AV | 5.1496G | 42.09 | 54.00 | -11.91 | 3 | Vertical | 44 | 2.31 | - |
| 5260MHz | Pass | AV | 5.2606G | 106.02 | Inf | -Inf | 3 | Vertical | 44 | 2.31 | - |
| 5260MHz | Pass | AV | 5.35G | 41.73 | 54.00 | -12.27 | 3 | Vertical | 44 | 2.31 | - |
| 5260MHz | Pass | PK | 5.1448G | 53.91 | 74.00 | -20.09 | 3 | Vertical | 44 | 2.31 | - |
| 5260MHz | Pass | PK | 5.2546G | 117.86 | Inf | -Inf | 3 | Vertical | 44 | 2.31 | - |
| 5260MHz | Pass | PK | 5.3518G | 54.04 | 74.00 | -19.96 | 3 | Vertical | 44 | 2.31 | - |
| 5260MHz | Pass | AV | 5.122G | 40.27 | 54.00 | -13.73 | 3 | Horizontal | 194 | 1.50 | - |
| 5260MHz | Pass | AV | 5.2594G | 93.86 | Inf | -Inf | 3 | Horizontal | 194 | 1.50 | - |
| 5260MHz | Pass | AV | 5.4094G | 39.80 | 54.00 | -14.20 | 3 | Horizontal | 194 | 1.50 | - |
| 5260MHz | Pass | PK | 5.1274G | 52.75 | 74.00 | -21.25 | 3 | Horizontal | 194 | 1.50 | - |
| 5260MHz | Pass | PK | 5.2582G | 105.61 | Inf | -Inf | 3 | Horizontal | 194 | 1.50 | - |
| 5260MHz | Pass | PK | 5.3722G | 51.97 | 74.00 | -22.03 | 3 | Horizontal | 194 | 1.50 | - |
| 5260MHz | Pass | PK | 10.5184G | 65.05 | 68.20 | -3.15 | 3 | Vertical | 243 | 1.70 | - |
| 5260MHz | Pass | PK | 10.5188G | 67.03 | 68.20 | -1.17 | 3 | Horizontal | 25 | 1.38 | - |
| 5300MHz | Pass | AV | 5.2988G | 104.89 | Inf | -Inf | 3 | Vertical | 47 | 1.54 | - |
| 5300MHz | Pass | AV | 5.35G | 43.02 | 54.00 | -10.98 | 3 | Vertical | 47 | 1.54 | - |
| 5300MHz | Pass | PK | 5.2976G | 117.26 | Inf | -Inf | 3 | Vertical | 47 | 1.54 | - |
| 5300MHz | Pass | PK | 5.3504G | 55.32 | 74.00 | -18.68 | 3 | Vertical | 47 | 1.54 | - |
| 5300MHz | Pass | AV | 5.2988G | 91.60 | Inf | -Inf | 3 | Horizontal | 194 | 1.58 | - |
| 5300MHz | Pass | AV | 5.3904G | 39.62 | 54.00 | -14.38 | 3 | Horizontal | 194 | 1.58 | - |
| 5300MHz | Pass | PK | 5.298G | 102.76 | Inf | -Inf | 3 | Horizontal | 194 | 1.58 | - |
| 5300MHz | Pass | PK | 5.3636G | 51.97 | 74.00 | -22.03 | 3 | Horizontal | 194 | 1.58 | - |
| 5300MHz | Pass | AV | 10.6008G | 52.36 | 54.00 | -1.64 | 3 | Vertical | 281 | 1.74 | - |
| 5300MHz | Pass | PK | 10.60288G | 66.22 | 74.00 | -7.78 | 3 | Vertical | 281 | 1.74 | - |
| 5300MHz | Pass | AV | 10.60088G | 52.33 | 54.00 | -1.67 | 3 | Horizontal | 25 | 1.46 | - |
| 5300MHz | Pass | PK | 10.60176G | 67.72 | 74.00 | -6.28 | 3 | Horizontal | 25 | 1.46 | - |
| 5320MHz | Pass | AV | 5.3212G | 98.03 | Inf | -Inf | 3 | Vertical | 77 | 2.35 | - |
| 5320MHz | Pass | AV | 5.3508G | 43.52 | 54.00 | -10.48 | 3 | Vertical | 77 | 2.35 | - |
| 5320MHz | Pass | PK | 5.3164G | 110.03 | Inf | -Inf | 3 | Vertical | 77 | 2.35 | - |
| 5320MHz | Pass | PK | 5.3536G | 60.27 | 74.00 | -13.73 | 3 | Vertical | 77 | 2.35 | - |
| 5320MHz | Pass | AV | 5.321G | 84.65 | Inf | -Inf | 3 | Horizontal | 177 | 1.70 | - |
| 5320MHz | Pass | AV | 5.3538G | 39.55 | 54.00 | -14.45 | 3 | Horizontal | 177 | 1.70 | - |
| 5320MHz | Pass | PK | 5.3218G | 96.69 | Inf | -Inf | 3 | Horizontal | 177 | 1.70 | - |
| 5320MHz | Pass | PK | 5.3676G | 52.19 | 74.00 | -21.81 | 3 | Horizontal | 177 | 1.70 | - |
| 5320MHz | Pass | AV | 10.63928G | 52.85 | 54.00 | -1.15 | 3 | Vertical | 288 | 1.75 | - |
| 5320MHz | Pass | PK | 10.64008G | 67.42 | 74.00 | -6.58 | 3 | Vertical | 288 | 1.75 | - |
| 5320MHz | Pass | AV | 10.64056G | 52.64 | 54.00 | -1.36 | 3 | Horizontal | 28 | 1.38 | - |
| 5320MHz | Pass | PK | 10.64168G | 67.56 | 74.00 | -6.44 | 3 | Horizontal | 28 | 1.38 | - |
| 802.11ax HEW40-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - | - |
| 5270MHz | Pass | AV | 5.2716G | 104.10 | Inf | -Inf | 3 | Vertical | 43 | 1.50 | - |
| 5270MHz | Pass | AV | 5.352G | 44.27 | 54.00 | -9.73 | 3 | Vertical | 43 | 1.50 | - |
| 5270MHz | Pass | PK | 5.2688G | 114.88 | Inf | -Inf | 3 | Vertical | 43 | 1.50 | - |
| 5270MHz | Pass | PK | 5.352G | 59.61 | 74.00 | -14.39 | 3 | Vertical | 43 | 1.50 | - |
| 5270MHz | Pass | AV | 5.2684G | 90.23 | Inf | -Inf | 3 | Horizontal | 180 | 1.60 | - |
| 5270MHz | Pass | AV | 5.3696G | 40.28 | 54.00 | -13.72 | 3 | Horizontal | 180 | 1.60 | - |
| 5270MHz | Pass | PK | 5.2672G | 102.09 | Inf | -Inf | 3 | Horizontal | 180 | 1.60 | - |
| 5270MHz | Pass | PK | 5.3608G | 51.82 | 74.00 | -22.18 | 3 | Horizontal | 180 | 1.60 | - |
| 5270MHz | Pass | PK | 10.5406G | 64.71 | 68.20 | -3.49 | 3 | Vertical | 244 | 1.66 | - |
| 5270MHz | Pass | PK | 10.54474G | 64.31 | 68.20 | -3.89 | 3 | Horizontal | 26 | 1.50 | - |
| 5310MHz | Pass | AV | 5.3088G | 101.11 | Inf | -Inf | 3 | Vertical | 94 | 1.72 | - |
| 5310MHz | Pass | AV | 5.35G | 51.32 | 54.00 | -2.68 | 3 | Vertical | 94 | 1.72 | - |
| 5310MHz | Pass | PK | 5.3088G | 112.90 | Inf | -Inf | 3 | Vertical | 94 | 1.72 | - |
| 5310MHz | Pass | PK | 5.3524G | 69.20 | 74.00 | -4.80 | 3 | Vertical | 94 | 1.72 | - |
| 5310MHz | Pass | AV | 5.3116G | 87.70 | Inf | -Inf | 3 | Horizontal | 192 | 1.50 | - |
| 5310MHz | Pass | AV | 5.3504G | 41.20 | 54.00 | -12.80 | 3 | Horizontal | 192 | 1.50 | - |
| 5310MHz | Pass | PK | 5.3128G | 99.01 | Inf | -Inf | 3 | Horizontal | 192 | 1.50 | - |
| 5310MHz | Pass | PK | 5.3524G | 56.40 | 74.00 | -17.60 | 3 | Horizontal | 192 | 1.50 | - |
| 5310MHz | Pass | AV | 10.64784G | 51.26 | 54.00 | -2.74 | 3 | Vertical | 24 | 2.36 | - |
| 5310MHz | Pass | PK | 10.64976G | 64.45 | 74.00 | -9.55 | 3 | Vertical | 24 | 2.36 | - |
| 5310MHz | Pass | AV | 10.61472G | 50.08 | 54.00 | -3.92 | 3 | Horizontal | 26 | 1.44 | - |

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5310MHz | Pass | PK | 10.62144G | 63.29 | 74.00 | -10.71 | 3 | Horizontal | 26 | 1.44 | - |
| 802.11ax HEW80-BF_Nss1,(MCS0)_2TX | - | - | - | - | - | - | - | - | - | - | - |
| 5290MHz | Pass | AV | 5.149G | 45.87 | 54.00 | -8.13 | 3 | Vertical | 67 | 1.74 | - |
| 5290MHz | Pass | AV | 5.276G | 99.29 | Inf | -Inf | 3 | Vertical | 67 | 1.74 | - |
| 5290MHz | Pass | AV | 5.35G | 52.31 | 54.00 | -1.69 | 3 | Vertical | 67 | 1.74 | - |
| 5290MHz | Pass | PK | 5.143G | 55.66 | 74.00 | -18.34 | 3 | Vertical | 67 | 1.74 | - |
| 5290MHz | Pass | PK | 5.282G | 110.93 | Inf | -Inf | 3 | Vertical | 67 | 1.74 | - |
| 5290MHz | Pass | PK | 5.356G | 64.44 | 74.00 | -9.56 | 3 | Vertical | 67 | 1.74 | - |
| 5290MHz | Pass | AV | 5.149G | 42.38 | 54.00 | -11.62 | 3 | Horizontal | 216 | 1.50 | - |
| 5290MHz | Pass | AV | 5.277G | 87.17 | Inf | -Inf | 3 | Horizontal | 216 | 1.50 | - |
| 5290MHz | Pass | AV | 5.355G | 43.05 | 54.00 | -10.95 | 3 | Horizontal | 216 | 1.50 | - |
| 5290MHz | Pass | PK | 5.12G | 53.58 | 74.00 | -20.42 | 3 | Horizontal | 216 | 1.50 | - |
| 5290MHz | Pass | PK | 5.277G | 98.47 | Inf | -Inf | 3 | Horizontal | 216 | 1.50 | - |
| 5290MHz | Pass | PK | 5.498G | 52.80 | 68.20 | -15.40 | 3 | Horizontal | 216 | 1.50 | - |
| 5290MHz | Pass | PK | 10.58416G | 58.97 | 68.20 | -9.23 | 3 | Vertical | 243 | 1.67 | - |
| 5290MHz | Pass | PK | 10.57984G | 60.18 | 68.20 | -8.02 | 3 | Horizontal | 45 | 1.56 | - |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX

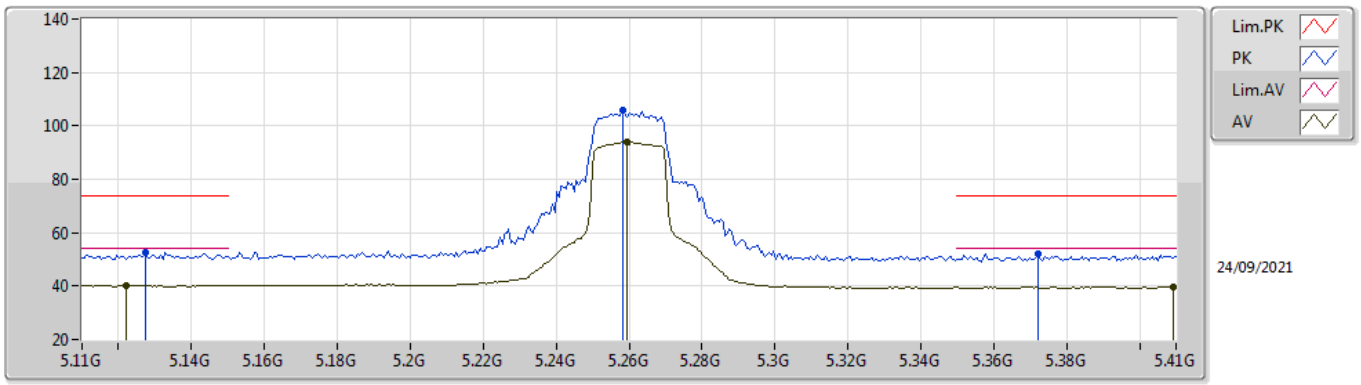
## 5260MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.1496G | 42.09 | 54.00 | -11.91 | 4.05 | 3 | Vertical | 44 | 2.31 | - | 38.04 | 32.00 | 6.49 | 34.44 |
| AV | 5.2606G | 106.02 | Inf | -Inf | 3.59 | 3 | Vertical | 44 | 2.31 | - | 102.43 | 31.44 | 6.60 | 34.45 |
| AV | 5.35G | 41.73 | 54.00 | -12.27 | 3.35 | 3 | Vertical | 44 | 2.31 | - | 38.38 | 31.10 | 6.70 | 34.45 |
| PK | 5.1448G | 53.91 | 74.00 | -20.09 | 4.05 | 3 | Vertical | 44 | 2.31 | - | 49.86 | 32.00 | 6.49 | 34.44 |
| PK | 5.2546G | 117.86 | Inf | -Inf | 3.61 | 3 | Vertical | 44 | 2.31 | - | 114.25 | 31.47 | 6.59 | 34.45 |
| PK | 5.3518G | 54.04 | 74.00 | -19.96 | 3.36 | 3 | Vertical | 44 | 2.31 | - | 50.68 | 31.11 | 6.70 | 34.45 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX

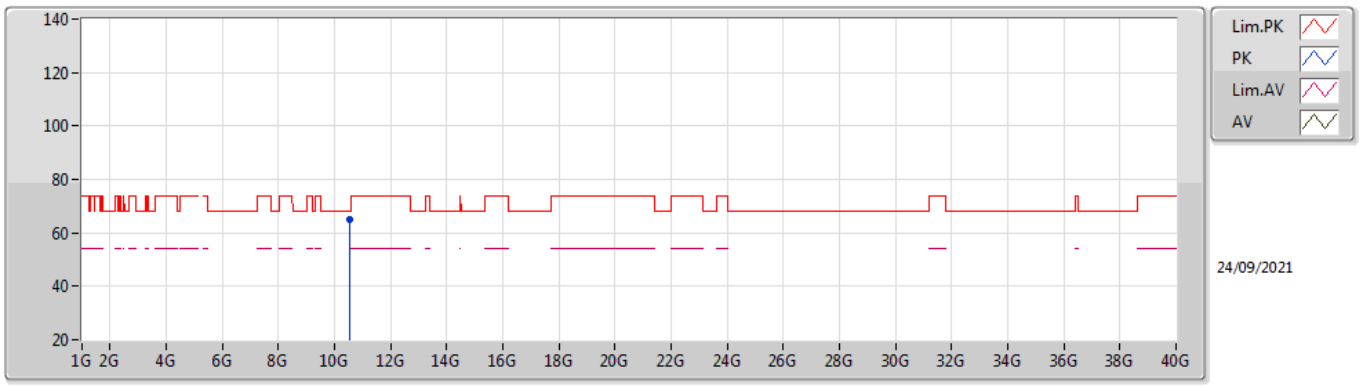
## 5260MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.122G | 40.27 | 54.00 | -13.73 | 4.03 | 3 | Horizontal | 194 | 1.50 | - | 36.24 | 32.00 | 6.47 | 34.44 |
| AV | 5.2594G | 93.86 | Inf | -Inf | 3.59 | 3 | Horizontal | 194 | 1.50 | - | 90.27 | 31.44 | 6.60 | 34.45 |
| AV | 5.4094G | 39.80 | 54.00 | -14.20 | 3.83 | 3 | Horizontal | 194 | 1.50 | - | 35.97 | 31.52 | 6.76 | 34.45 |
| PK | 5.1274G | 52.75 | 74.00 | -21.25 | 4.04 | 3 | Horizontal | 194 | 1.50 | - | 48.71 | 32.00 | 6.48 | 34.44 |
| PK | 5.2582G | 105.61 | Inf | -Inf | 3.60 | 3 | Horizontal | 194 | 1.50 | - | 102.01 | 31.45 | 6.60 | 34.45 |
| PK | 5.3722G | 51.97 | 74.00 | -22.03 | 3.56 | 3 | Horizontal | 194 | 1.50 | - | 48.41 | 31.28 | 6.73 | 34.45 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX

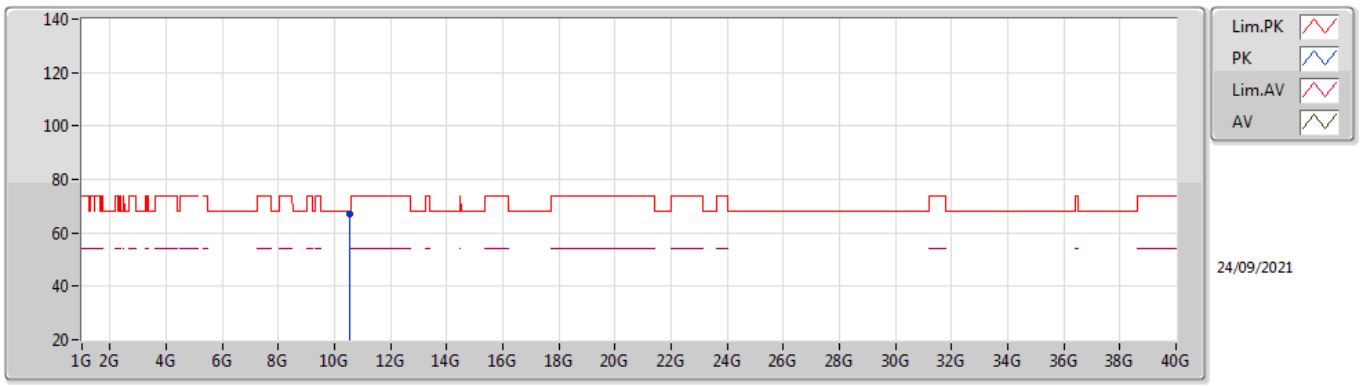
## 5260MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.5184G | 65.05 | 68.20 | -3.15 | 14.77 | 3 | Vertical | 243 | 1.70 | - | 50.28 | 39.68 | 9.56 | 34.47 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX

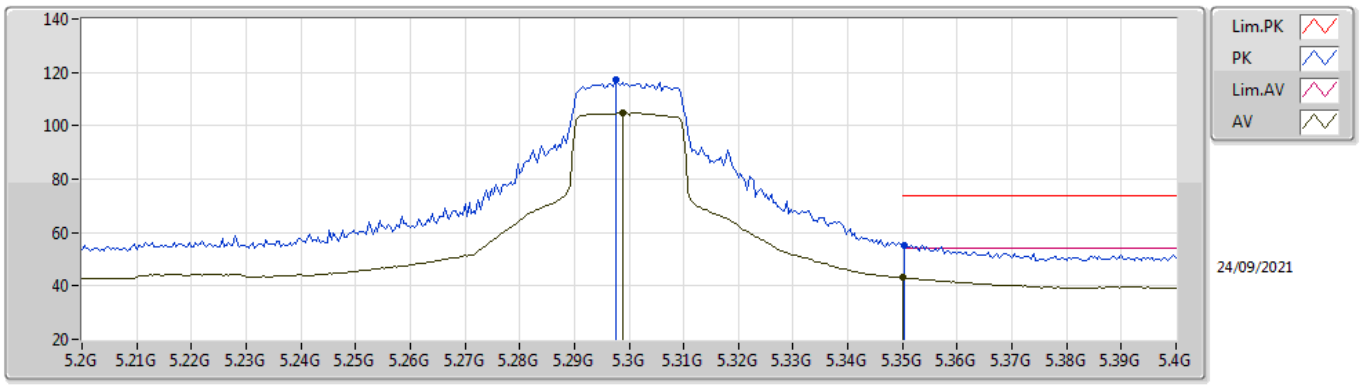
## 5260MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.5188G | 67.03 | 68.20 | -1.17 | 14.77 | 3 | Horizontal | 25 | 1.38 | - | 52.26 | 39.68 | 9.56 | 34.47 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX

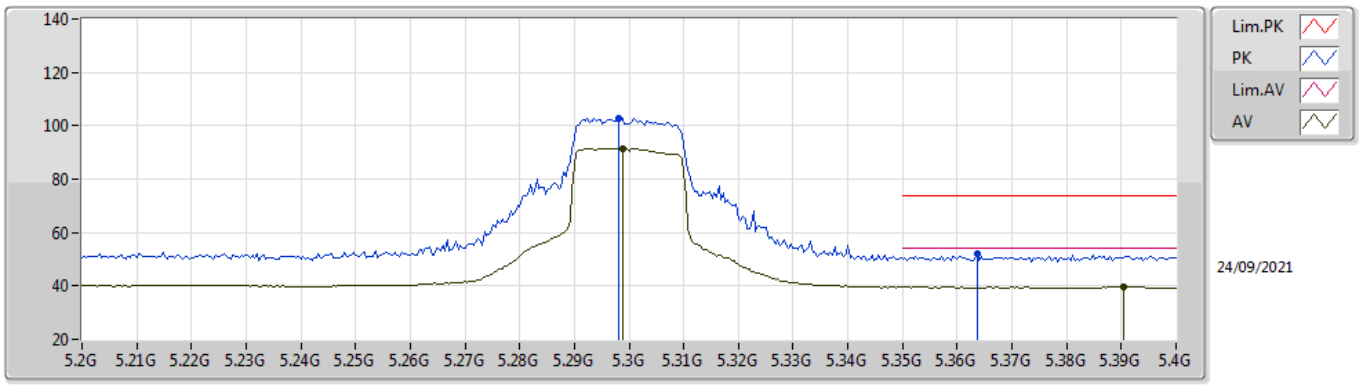
## 5300MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.2988G | 104.89 | Inf | -Inf | 3.40 | 3 | Vertical | 47 | 1.54 | - | 101.49 | 31.21 | 6.64 | 34.45 |
| AV | 5.35G | 43.02 | 54.00 | -10.98 | 3.35 | 3 | Vertical | 47 | 1.54 | - | 39.67 | 31.10 | 6.70 | 34.45 |
| PK | 5.2976G | 117.26 | Inf | -Inf | 3.40 | 3 | Vertical | 47 | 1.54 | - | 113.86 | 31.21 | 6.64 | 34.45 |
| PK | 5.3504G | 55.32 | 74.00 | -18.68 | 3.35 | 3 | Vertical | 47 | 1.54 | - | 51.97 | 31.10 | 6.70 | 34.45 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX

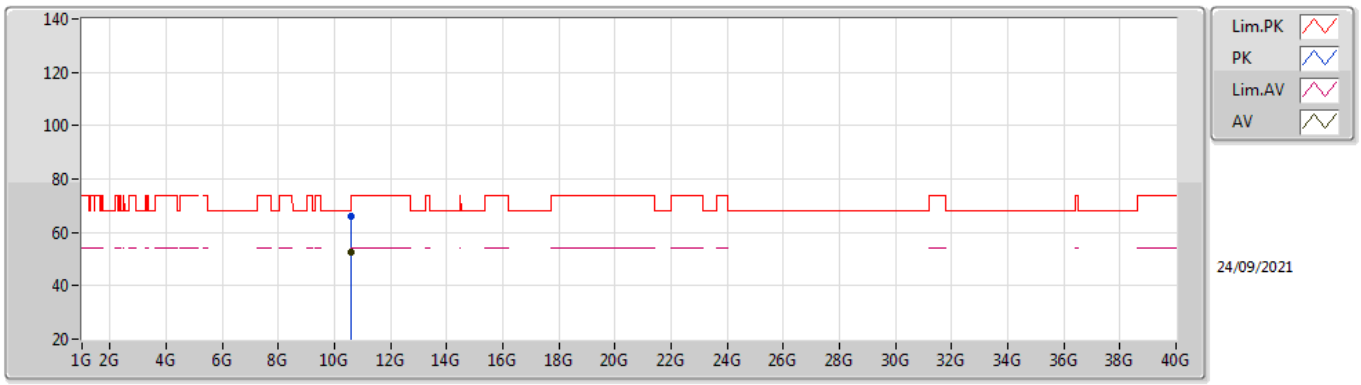
## 5300MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.2988G | 91.60 | Inf | -Inf | 3.40 | 3 | Horizontal | 194 | 1.58 | - | 88.20 | 31.21 | 6.64 | 34.45 |
| AV | 5.3904G | 39.62 | 54.00 | -14.38 | 3.72 | 3 | Horizontal | 194 | 1.58 | - | 35.90 | 31.42 | 6.75 | 34.45 |
| PK | 5.298G | 102.76 | Inf | -Inf | 3.40 | 3 | Horizontal | 194 | 1.58 | - | 99.36 | 31.21 | 6.64 | 34.45 |
| PK | 5.3636G | 51.97 | 74.00 | -22.03 | 3.48 | 3 | Horizontal | 194 | 1.58 | - | 48.49 | 31.21 | 6.72 | 34.45 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX

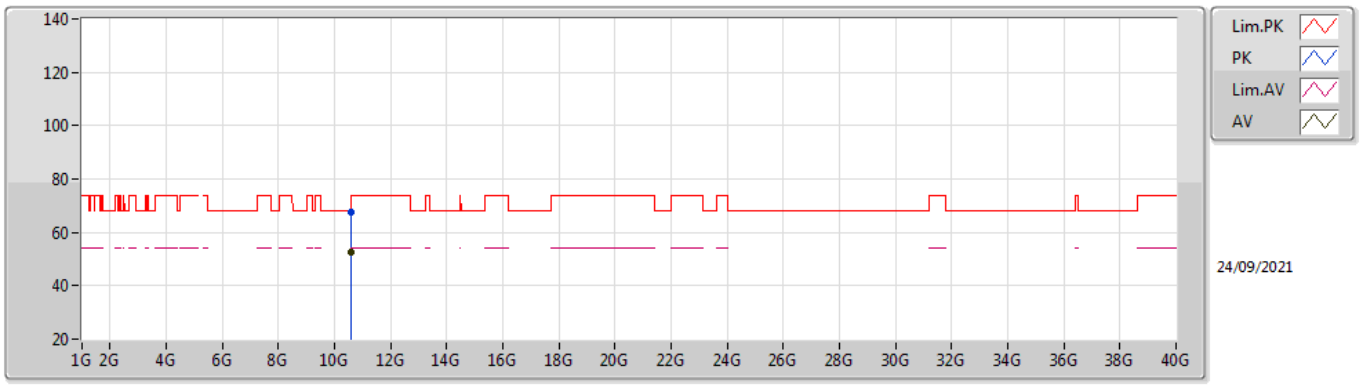
## 5300MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 10.6008G | 52.36 | 54.00 | -1.64 | 14.75 | 3 | Vertical | 281 | 1.74 | - | 37.61 | 39.60 | 9.59 | 34.44 |
| PK | 10.60288G | 66.22 | 74.00 | -7.78 | 14.76 | 3 | Vertical | 281 | 1.74 | - | 51.46 | 39.61 | 9.59 | 34.44 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX

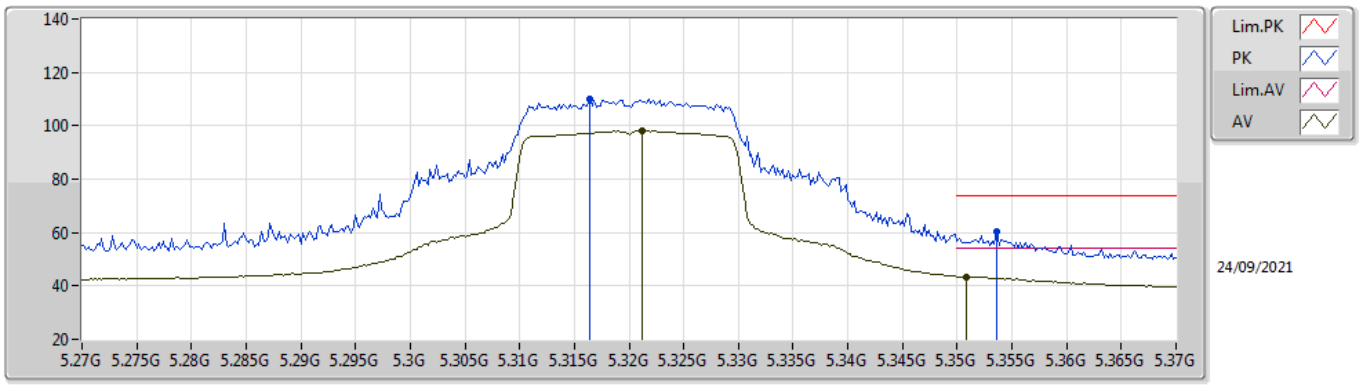
## 5300MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 10.60088G | 52.33 | 54.00 | -1.67 | 14.75 | 3 | Horizontal | 25 | 1.46 | - | 37.58 | 39.60 | 9.59 | 34.44 |
| PK | 10.60176G | 67.72 | 74.00 | -6.28 | 14.75 | 3 | Horizontal | 25 | 1.46 | - | 52.97 | 39.60 | 9.59 | 34.44 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX

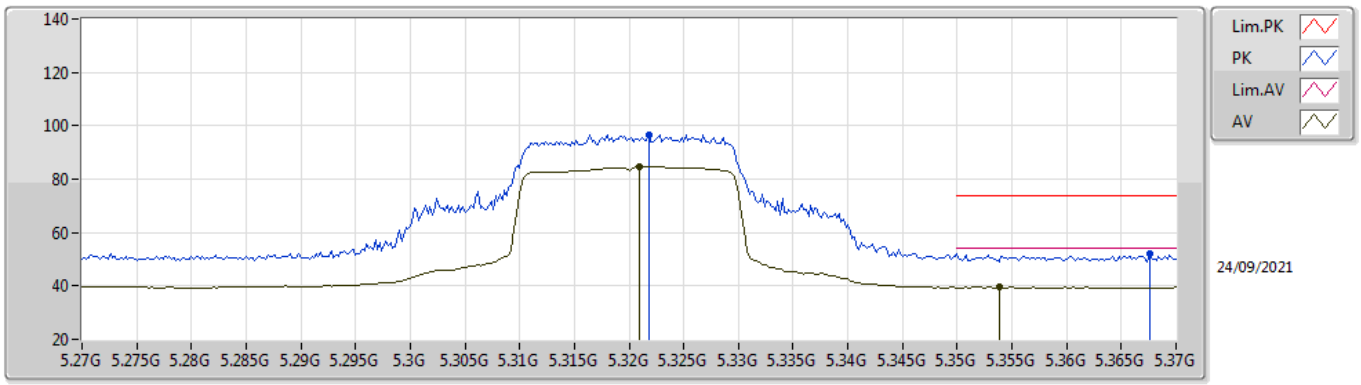
## 5320MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.3212G | 98.03 | Inf | -Inf | 3.38 | 3 | Vertical | 77 | 2.35 | - | 94.65 | 31.16 | 6.67 | 34.45 |
| AV | 5.3508G | 43.52 | 54.00 | -10.48 | 3.36 | 3 | Vertical | 77 | 2.35 | - | 40.16 | 31.11 | 6.70 | 34.45 |
| PK | 5.3164G | 110.03 | Inf | -Inf | 3.38 | 3 | Vertical | 77 | 2.35 | - | 106.65 | 31.17 | 6.66 | 34.45 |
| PK | 5.3536G | 60.27 | 74.00 | -13.73 | 3.39 | 3 | Vertical | 77 | 2.35 | - | 56.88 | 31.13 | 6.71 | 34.45 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX

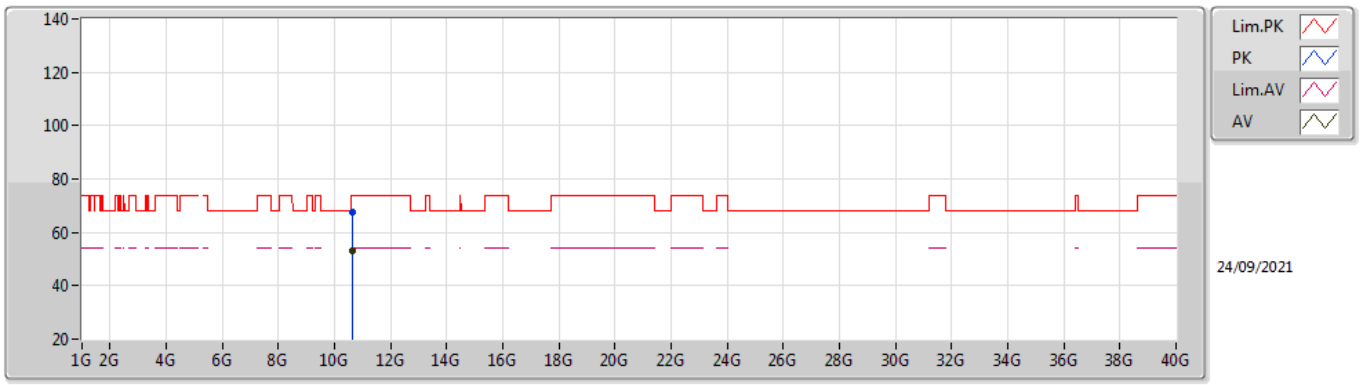
## 5320MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.321G | 84.65 | Inf | -Inf | 3.38 | 3 | Horizontal | 177 | 1.70 | - | 81.27 | 31.16 | 6.67 | 34.45 |
| AV | 5.3538G | 39.55 | 54.00 | -14.45 | 3.39 | 3 | Horizontal | 177 | 1.70 | - | 36.16 | 31.13 | 6.71 | 34.45 |
| PK | 5.3218G | 96.69 | Inf | -Inf | 3.38 | 3 | Horizontal | 177 | 1.70 | - | 93.31 | 31.16 | 6.67 | 34.45 |
| PK | 5.3676G | 52.19 | 74.00 | -21.81 | 3.51 | 3 | Horizontal | 177 | 1.70 | - | 48.68 | 31.24 | 6.72 | 34.45 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX

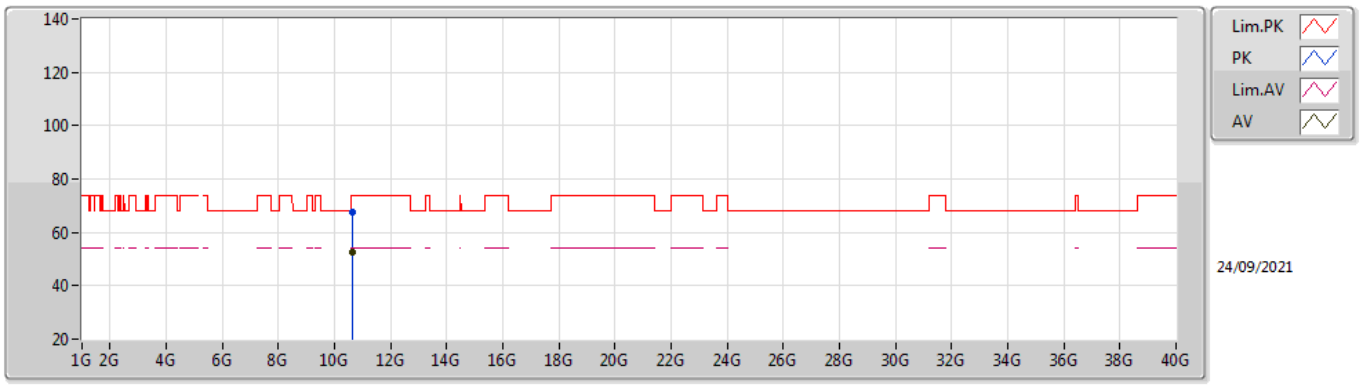
## 5320MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 10.63928G | 52.85 | 54.00 | -1.15 | 14.86 | 3 | Vertical | 288 | 1.75 | - | 37.99 | 39.68 | 9.61 | 34.43 |
| PK | 10.64008G | 67.42 | 74.00 | -6.58 | 14.86 | 3 | Vertical | 288 | 1.75 | - | 52.56 | 39.68 | 9.61 | 34.43 |

## 802.11ax HEW20-BF_Nss1,(MCS0)_2TX

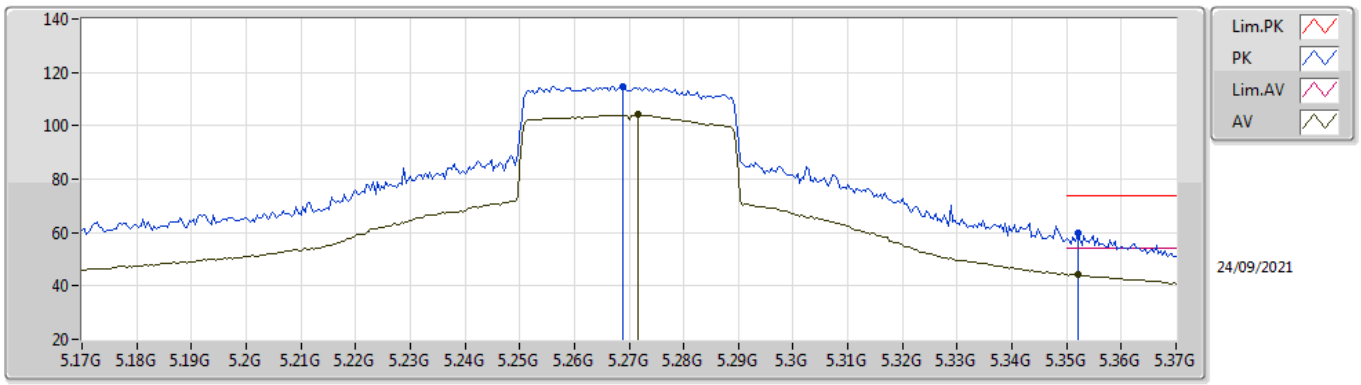
## 5320MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 10.64056G | 52.64 | 54.00 | -1.36 | 14.86 | 3 | Horizontal | 28 | 1.38 | - | 37.78 | 39.68 | 9.61 | 34.43 |
| PK | 10.64168G | 67.56 | 74.00 | -6.44 | 14.86 | 3 | Horizontal | 28 | 1.38 | - | 52.70 | 39.68 | 9.61 | 34.43 |

## 802.11ax HEW40-BF_Nss1,(MCS0)_2TX

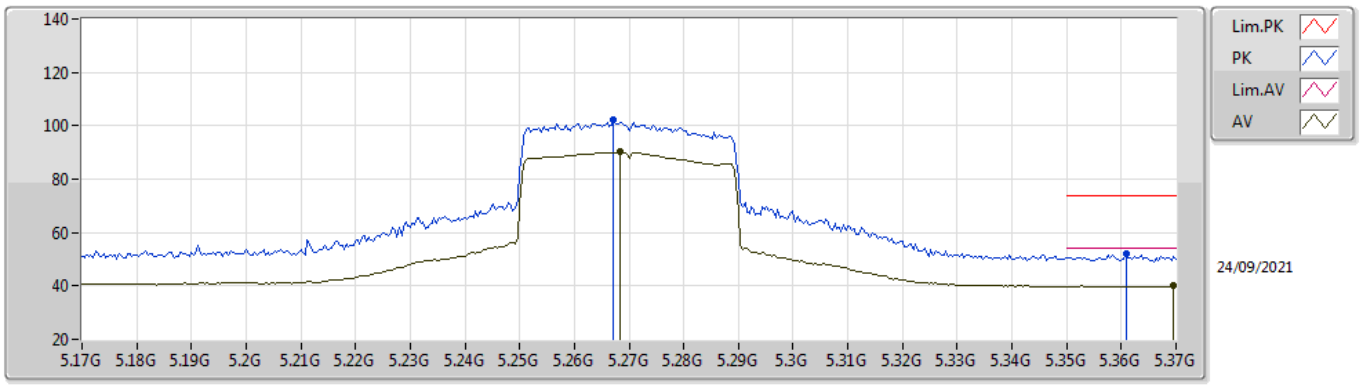
## 5270MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.2716G | 104.10 | Inf | -Inf | 3.53 | 3 | Vertical | 43 | 1.50 | - | 100.57 | 31.37 | 6.61 | 34.45 |
| AV | 5.352G | 44.27 | 54.00 | -9.73 | 3.37 | 3 | Vertical | 43 | 1.50 | - | 40.90 | 31.12 | 6.70 | 34.45 |
| PK | 5.2688G | 114.88 | Inf | -Inf | 3.55 | 3 | Vertical | 43 | 1.50 | - | 111.33 | 31.39 | 6.61 | 34.45 |
| PK | 5.352G | 59.61 | 74.00 | -14.39 | 3.37 | 3 | Vertical | 43 | 1.50 | - | 56.24 | 31.12 | 6.70 | 34.45 |

## 802.11ax HEW40-BF_Nss1,(MCS0)_2TX

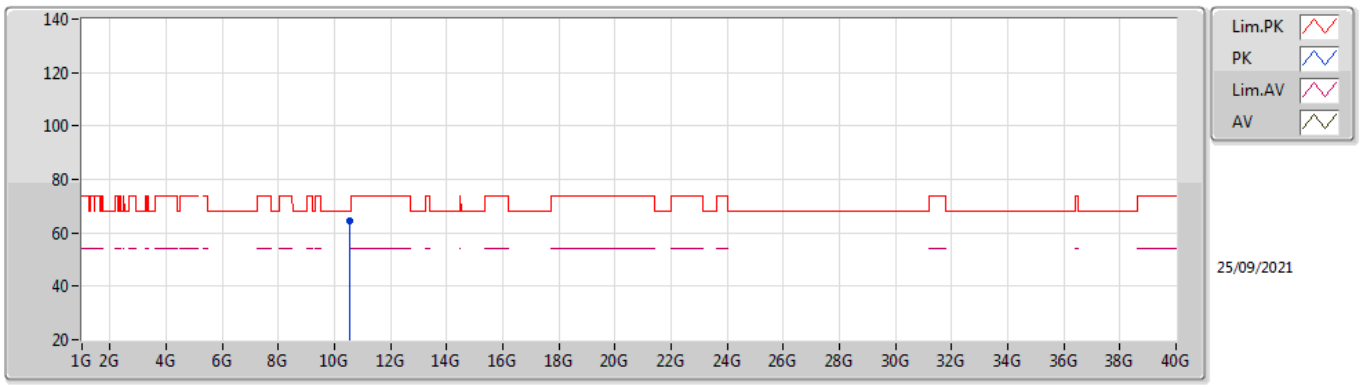
## 5270MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.2684G | 90.23 | Inf | -Inf | 3.55 | 3 | Horizontal | 180 | 1.60 | - | 86.68 | 31.39 | 6.61 | 34.45 |
| AV | 5.3696G | 40.28 | 54.00 | -13.72 | 3.54 | 3 | Horizontal | 180 | 1.60 | - | 36.74 | 31.26 | 6.73 | 34.45 |
| PK | 5.2672G | 102.09 | Inf | -Inf | 3.56 | 3 | Horizontal | 180 | 1.60 | - | 98.53 | 31.40 | 6.61 | 34.45 |
| PK | 5.3608G | 51.82 | 74.00 | -22.18 | 3.45 | 3 | Horizontal | 180 | 1.60 | - | 48.37 | 31.19 | 6.71 | 34.45 |

## 802.11ax HEW40-BF_Nss1,(MCS0)_2TX

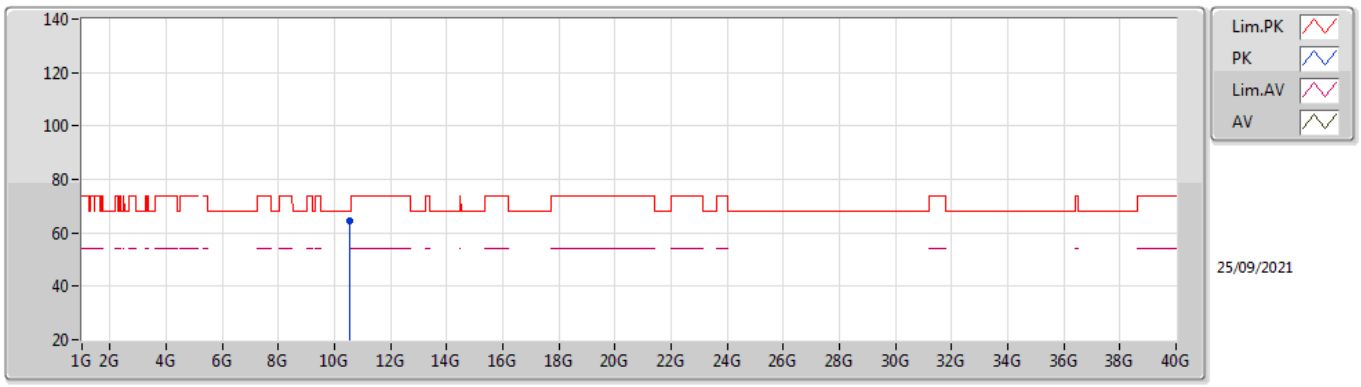
## 5270MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.5406G | 64.71 | 68.20 | -3.49 | 14.76 | 3 | Vertical | 244 | 1.66 | - | 49.95 | 39.66 | 9.57 | 34.47 |

## 802.11ax HEW40-BF_Nss1,(MCS0)_2TX

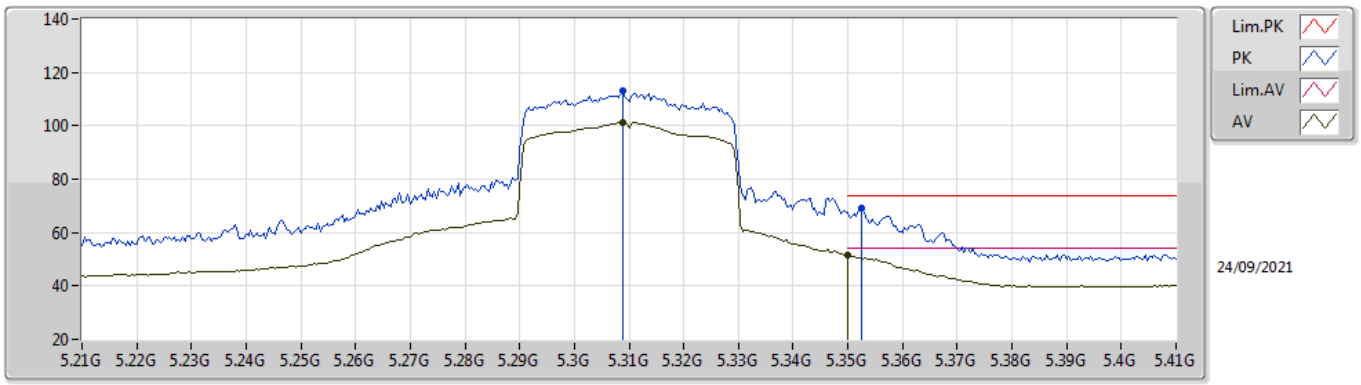
## 5270MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.54474G | 64.31 | 68.20 | -3.89 | 14.77 | 3 | Horizontal | 26 | 1.50 | - | 49.54 | 39.66 | 9.57 | 34.46 |

## 802.11ax HEW40-BF_Nss1,(MCS0)_2TX

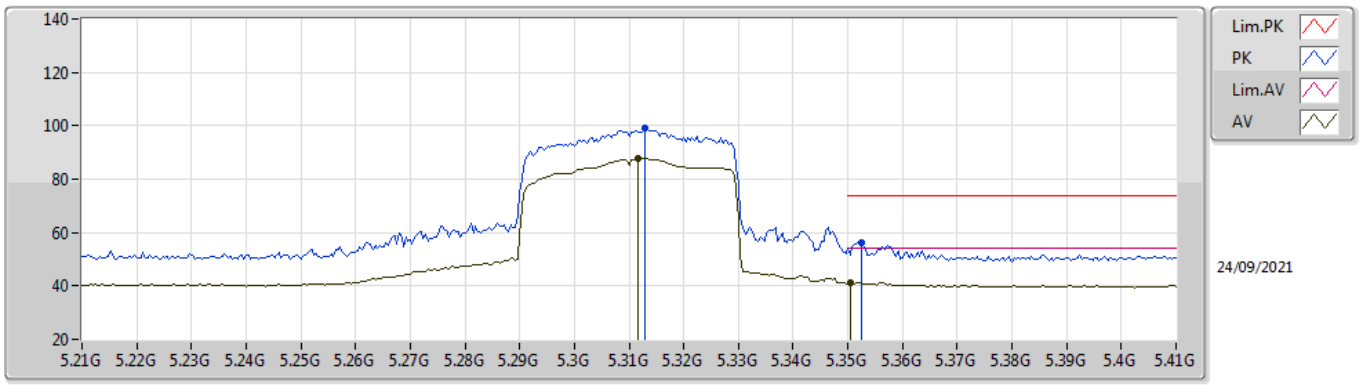
## 5310MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.3088G | 101.11 | Inf | -Inf | 3.39 | 3 | Vertical | 94 | 1.72 | - | 97.72 | 31.18 | 6.66 | 34.45 |
| AV | 5.35G | 51.32 | 54.00 | -2.68 | 3.35 | 3 | Vertical | 94 | 1.72 | - | 47.97 | 31.10 | 6.70 | 34.45 |
| PK | 5.3088G | 112.90 | Inf | -Inf | 3.39 | 3 | Vertical | 94 | 1.72 | - | 109.51 | 31.18 | 6.66 | 34.45 |
| PK | 5.3524G | 69.20 | 74.00 | -4.80 | 3.38 | 3 | Vertical | 94 | 1.72 | - | 65.82 | 31.12 | 6.71 | 34.45 |

## 802.11ax HEW40-BF_Nss1,(MCS0)_2TX

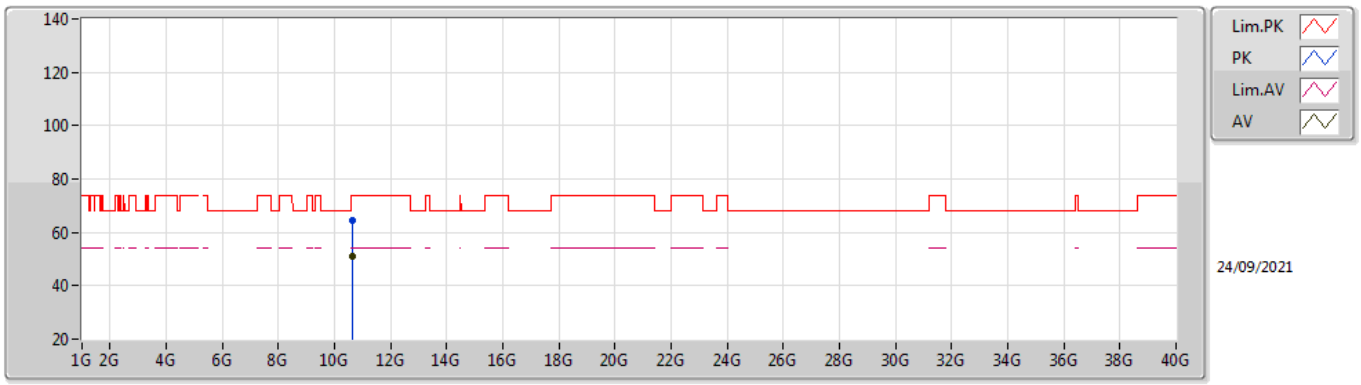
## 5310MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.3116G | 87.70 | Inf | -Inf | 3.39 | 3 | Horizontal | 192 | 1.50 | - | 84.31 | 31.18 | 6.66 | 34.45 |
| AV | 5.3504G | 41.20 | 54.00 | -12.80 | 3.35 | 3 | Horizontal | 192 | 1.50 | - | 37.85 | 31.10 | 6.70 | 34.45 |
| PK | 5.3128G | 99.01 | Inf | -Inf | 3.38 | 3 | Horizontal | 192 | 1.50 | - | 95.63 | 31.17 | 6.66 | 34.45 |
| PK | 5.3524G | 56.40 | 74.00 | -17.60 | 3.38 | 3 | Horizontal | 192 | 1.50 | - | 53.02 | 31.12 | 6.71 | 34.45 |

## 802.11ax HEW40-BF_Nss1,(MCS0)_2TX

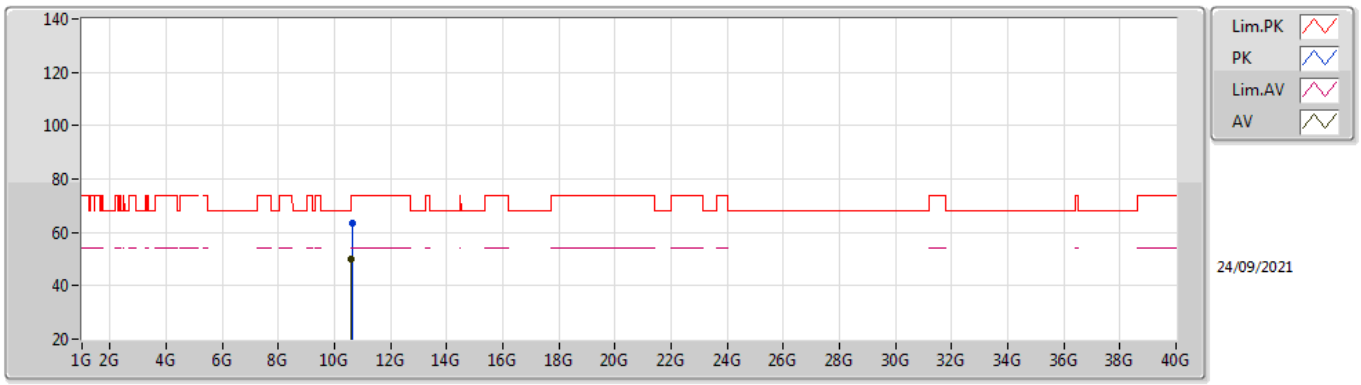
## 5310MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 10.64784G | 51.26 | 54.00 | -2.74 | 14.88 | 3 | Vertical | 24 | 2.36 | - | 36.38 | 39.70 | 9.61 | 34.43 |
| PK | 10.64976G | 64.45 | 74.00 | -9.55 | 14.88 | 3 | Vertical | 24 | 2.36 | - | 49.57 | 39.70 | 9.61 | 34.43 |

## 802.11ax HEW40-BF_Nss1,(MCS0)_2TX

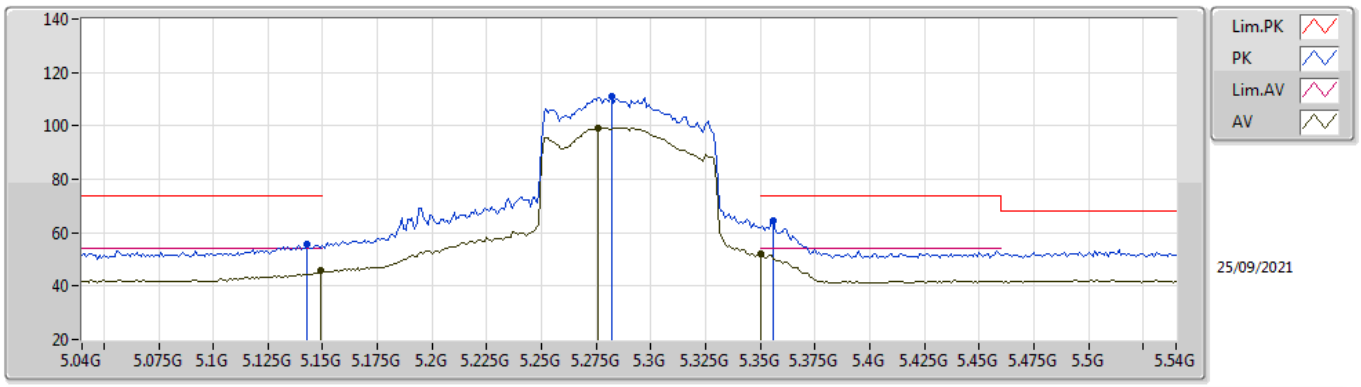
## 5310MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 10.61472G | 50.08 | 54.00 | -3.92 | 14.79 | 3 | Horizontal | 26 | 1.44 | - | 35.29 | 39.63 | 9.60 | 34.44 |
| PK | 10.62144G | 63.29 | 74.00 | -10.71 | 14.80 | 3 | Horizontal | 26 | 1.44 | - | 48.49 | 39.64 | 9.60 | 34.44 |

## 802.11ax HEW80-BF_Nss1,(MCS0)_2TX

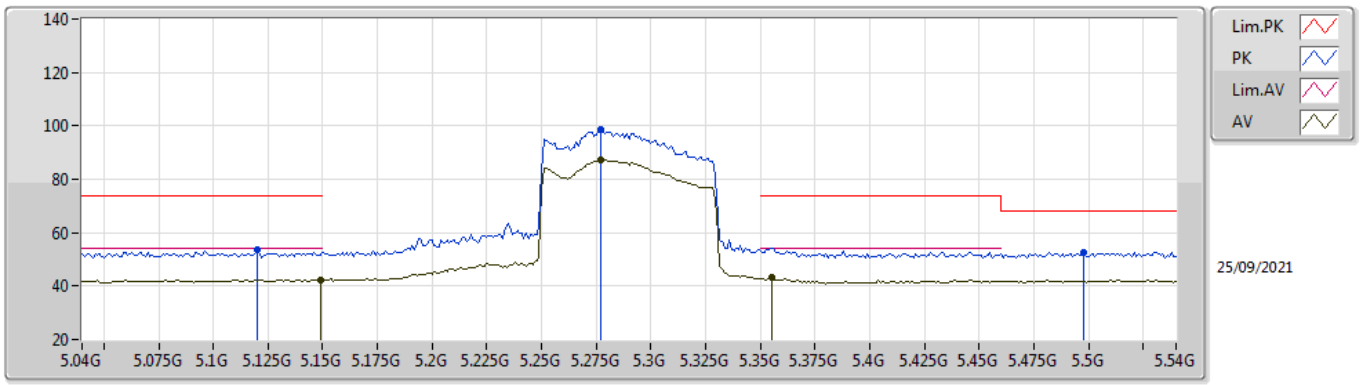
## 5290MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.149G | 45.87 | 54.00 | -8.13 | 4.05 | 3 | Vertical | 67 | 1.74 | - | 41.82 | 32.00 | 6.49 | 34.44 |
| AV | 5.276G | 99.29 | Inf | -Inf | 3.51 | 3 | Vertical | 67 | 1.74 | - | 95.78 | 31.34 | 6.62 | 34.45 |
| AV | 5.35G | 52.31 | 54.00 | -1.69 | 3.35 | 3 | Vertical | 67 | 1.74 | - | 48.96 | 31.10 | 6.70 | 34.45 |
| PK | 5.143G | 55.66 | 74.00 | -18.34 | 4.05 | 3 | Vertical | 67 | 1.74 | - | 51.61 | 32.00 | 6.49 | 34.44 |
| PK | 5.282G | 110.93 | Inf | -Inf | 3.48 | 3 | Vertical | 67 | 1.74 | - | 107.45 | 31.31 | 6.62 | 34.45 |
| PK | 5.356G | 64.44 | 74.00 | -9.56 | 3.41 | 3 | Vertical | 67 | 1.74 | - | 61.03 | 31.15 | 6.71 | 34.45 |

## 802.11ax HEW80-BF_Nss1,(MCS0)_2TX

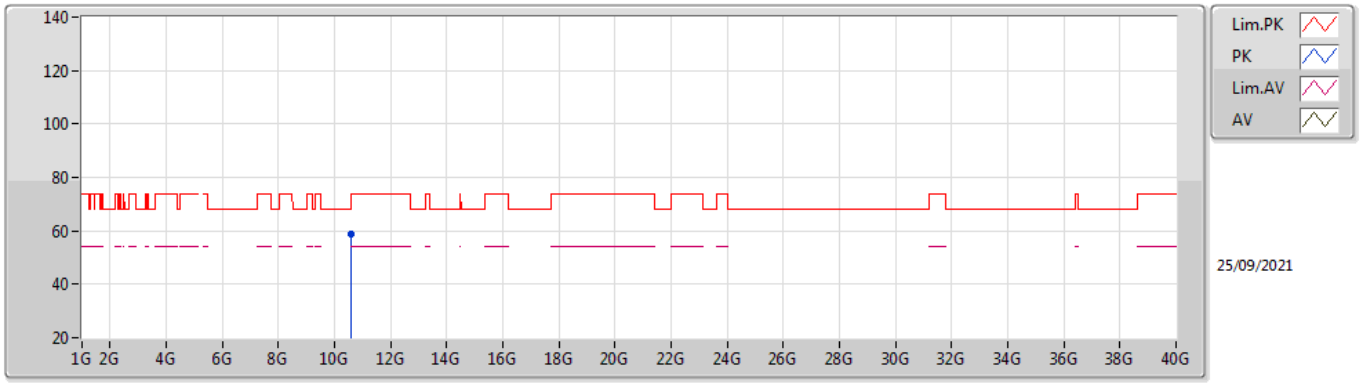
## 5290MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| AV | 5.149G | 42.38 | 54.00 | -11.62 | 4.05 | 3 | Horizontal | 216 | 1.50 | - | 38.33 | 32.00 | 6.49 | 34.44 |
| AV | 5.277G | 87.17 | Inf | -Inf | 3.51 | 3 | Horizontal | 216 | 1.50 | - | 83.66 | 31.34 | 6.62 | 34.45 |
| AV | 5.355G | 43.05 | 54.00 | -10.95 | 3.40 | 3 | Horizontal | 216 | 1.50 | - | 39.65 | 31.14 | 6.71 | 34.45 |
| PK | 5.12G | 53.58 | 74.00 | -20.42 | 4.03 | 3 | Horizontal | 216 | 1.50 | - | 49.55 | 32.00 | 6.47 | 34.44 |
| PK | 5.277G | 98.47 | Inf | -Inf | 3.51 | 3 | Horizontal | 216 | 1.50 | - | 94.96 | 31.34 | 6.62 | 34.45 |
| PK | 5.498G | 52.80 | 68.20 | -15.40 | 4.14 | 3 | Horizontal | 216 | 1.50 | - | 48.66 | 31.79 | 6.81 | 34.46 |

## 802.11ax HEW80-BF_Nss1,(MCS0)_2TX

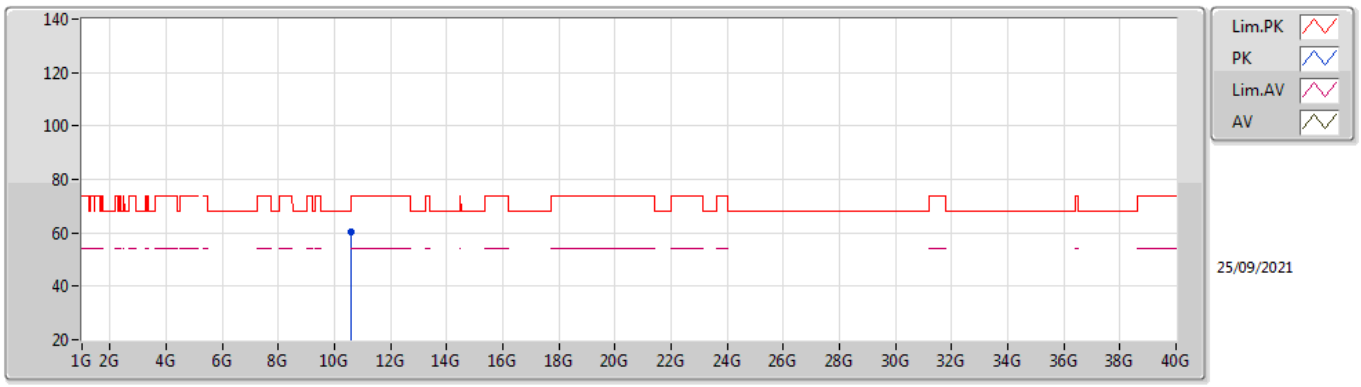
## 5290MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.58416G | 58.97 | 68.20 | -9.23 | 14.76 | 3 | Vertical | 243 | 1.67 | - | 44.21 | 39.62 | 9.59 | 34.45 |

## 802.11ax HEW80-BF_Nss1,(MCS0)_2TX

## 5290MHz_TX




| Type | Freq | Level | Limit | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw | AF | CL | PA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Hz) | (dBuV/m) | (dBuV/m) | (dB) | (dB) | (m) | | (°) | (m) | | (dBuV) | (dB) | (dB) | (dB) |
| PK | 10.57984G | 60.18 | 68.20 | -8.02 | 14.76 | 3 | Horizontal | 45 | 1.56 | - | 45.42 | 39.62 | 9.59 | 34.45 |