FCC Radio Test Report

FCC ID	:	**KA2R12A1**
Equipment	:	**AC1200 SMART ROUTER**
Brand Name	:	**D-Link**
Model Name	:	**R12**
Applicant	:	**D-Link Corporation** **14420 Myford Road Suite 100 Irvine, CA 92606 United States**
Manufacturer	:	**D-Link Corporation** **No. 289, Xinhu 3rd Road, Neihu District, Taipei City 114, Taiwan**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Aug. 11, 2021, and testing was started from Aug. 24, 2021 and completed on Oct. 13, 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 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.

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
FR181118AN	01	Initial issue of report	Dec. 23, 2021

Summary of Test Result

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

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

Reviewed by: Sam Tsai
Report Producer: Debby Hung

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	LYNwave	AOX21X-051044-00	Dipole antenna	I-PEX	2.4G
2	LYNwave	AOX21X-051044-00	Dipole antenna	I-PEX	2.4G
3	LYNwave	AOX21X-091052-00	Dipole antenna	I-PEX	5G
4	LYNwave	AOX21X-091052-00	Dipole antenna	I-PEX	5G
5	LYNwave	EPMBDIRC12E1BXXX	Print antenna	N/A	2.4G RX

Ant.	Port	Gain (dBi)	
		2.4G	5G
1	1	4.8	-
2	2	4.8	-
3	1	-	5.3
4	2	-	5.3
5	3	4.1	-

Note 1: The EUT has five antennas.

For 2.4GHz function:

For IEEE 802.11 b/g/n mode (2TX/3RX)

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

Ant. 1 (port 1) and Ant. 2 (port 2) and Ant. 5 (port 3) could receive simultaneously.

For 5GHz function:

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

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

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

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_2TX	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20_Nss1,(MCS0)_2TX	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40_Nss1,(MCS0)_2TX	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT80_Nss1,(MCS0)_2TX	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.2 Testing Applied Standards

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

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

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**
AC Conduction	CO04-HY	Daniel Lin	20.7~22.2°C / 55~61%	10/Sep/2021
RF Conducted	TH06-HY	Johnny Yu	20.1~26.9°C / 50~60%	01/Sep/2021~09/Sep/2021
Radiated <Below 1GHz>	03CH02-HY	Lego Lin	23.5~24.2°C / 56~60%	01/Sep/2021~13/Oct/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.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
Radiated <Above 1GHz>	03CH09-HY	Ryan Hsiao	22.1~23.8°C / 42~54%	24/Aug/2021~08/Sep/2021

1.4 Measurement Uncertainty

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

Test Items	**Uncertainty**	**Remark**
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
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

Test Software Version	MP_TESTRTL819x 3.7

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	108/108
5200MHz	115/115
5240MHz	113/113
5745MHz	100/100
5785MHz	95/95
5825MHz	95/95
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	109/109
5200MHz	127/127
5240MHz	123/123
5745MHz	95/95
5785MHz	98/98
5825MHz	89/89
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	100/100
5230MHz	123/123
5755MHz	113/113
5795MHz	108/108
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	81/81
5775MHz	100/100

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	Adapter mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power 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 If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Adapter mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT		V	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4GHz+ WLAN 5GHz
Refer to Sporton Test Report No.: FA181118 for Co-location RF Exposure Evaluation.	

2.3 Accessories

Accessories				
AC Adapter 1	Brand Name	AMIGO	Model Name	AMS159A-1201000F
	Manufacturer	AMIGO		
	Power Rating	I/P: 100 - 240 Vac, 0.5A, O/P: 12 Vdc, 1 A		
	Power Cord	1.2 meter, non-shielded cable, w/o ferrite core		
AC Adapter 2 (US/NCC Plug)	Brand Name	AMIGO	Model Name	AMS159A-1201000FU
	Manufacturer	AMIGO		
	Power Rating	I/P: 100 - 240 Vac, 0.5A, O/P: 12 Vdc, 1 A		
	Power Cord	1.2 meter, non-shielded cable, w/o ferrite core		
RJ45 Cable	Brand Name	AMIGO	Model Name	NYS4709 REV.0
	Power Cord	1 meter, non-shielded cable		

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

2.4 Support Equipment

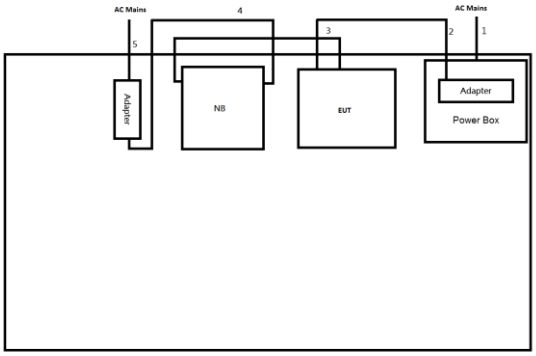
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	HP	HSTNN-Q85C	-	-
2	AC Adapter (for NB)	HP	PPP012L-E	-	-

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

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	HP	HSTNN-Q85C	-	-
2	AC Adapter (for NB)	HP	PPP012L-E	-	-

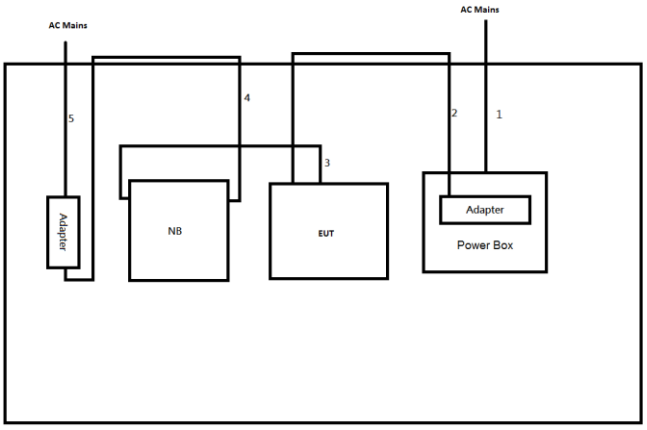
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.2	-
3	LAN cable	No	1.0	-
4	DC Power cable	No	1.5	-
5	AC Power cable	No	1.8	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.2	-
3	RJ45 cable	No	1.0	-
4	DC Power cable	No	1.5	-
5	AC Power cable	No	1.8	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

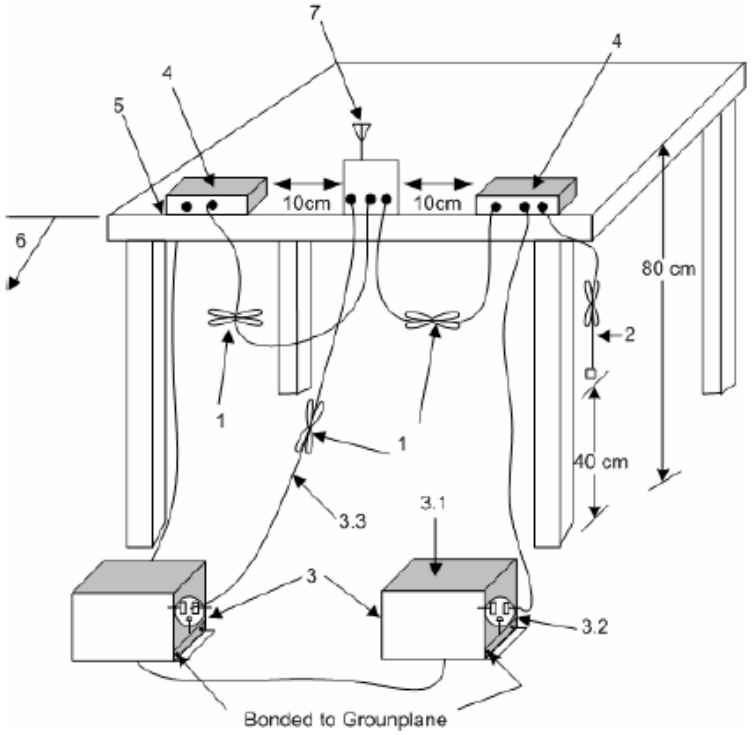
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) +LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup

AC Power-line Conducted Emissions



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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

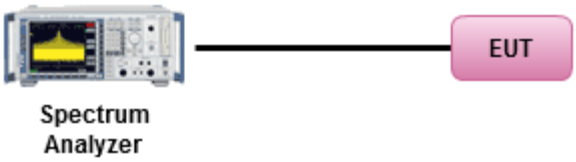
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☐ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).	
☐ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).	
☒ For the 5.725-5.85 GHz band:	
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

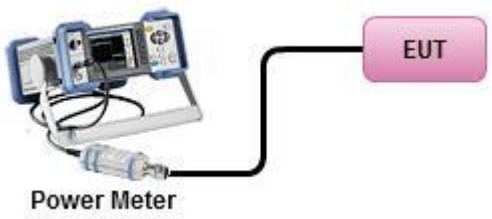
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Conducted Output Power	
	Duty cycle ≥ 98%
	☐ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle < 98%
	☐ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ Refer as KDB 789033, clause E Method PM (using an RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

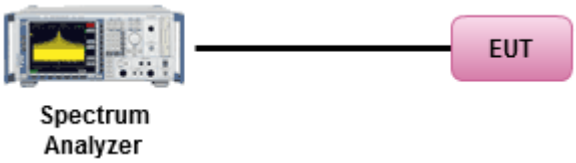
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:		
	☐ Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
	Duty cycle ≥ 98%	
	☐ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
	Duty cycle < 98%	
	☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
▪ For conducted measurement.		
	▪ If the EUT supports multiple transmit chains using options given below:	
		▪ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
	▪	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3
Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements). Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT. Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.			

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

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

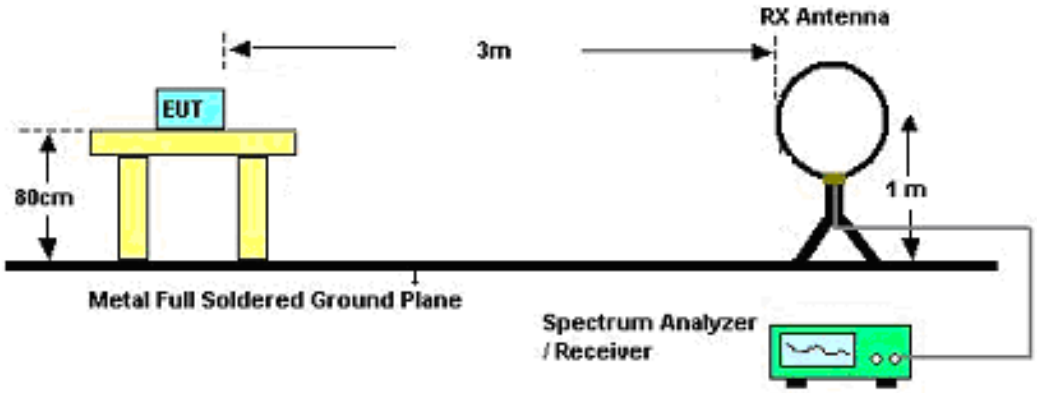
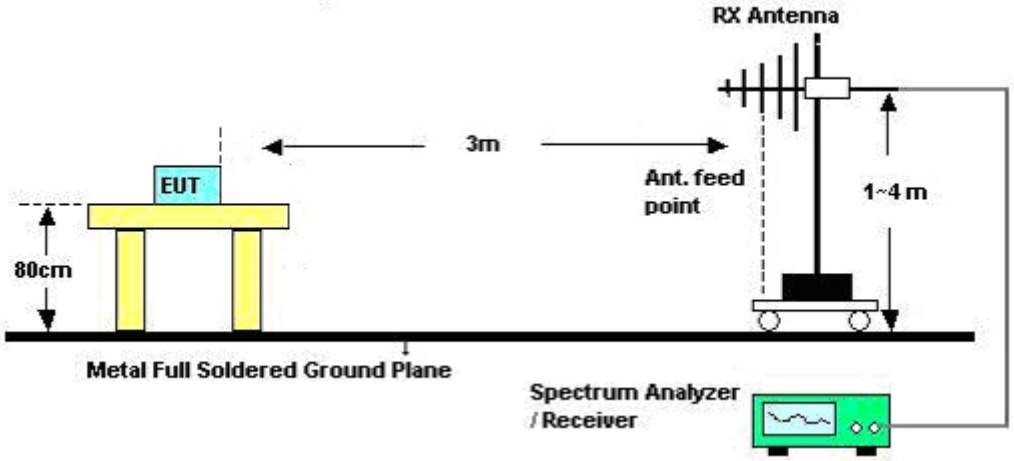
Test Method			
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.		
	▪ Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.		
		☒ Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.	
		☒ Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.	
▪ For radiated measurement.			
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.		
▪ The any unwanted emissions level shall not exceed the fundamental emission level.			
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.			

▪ 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.

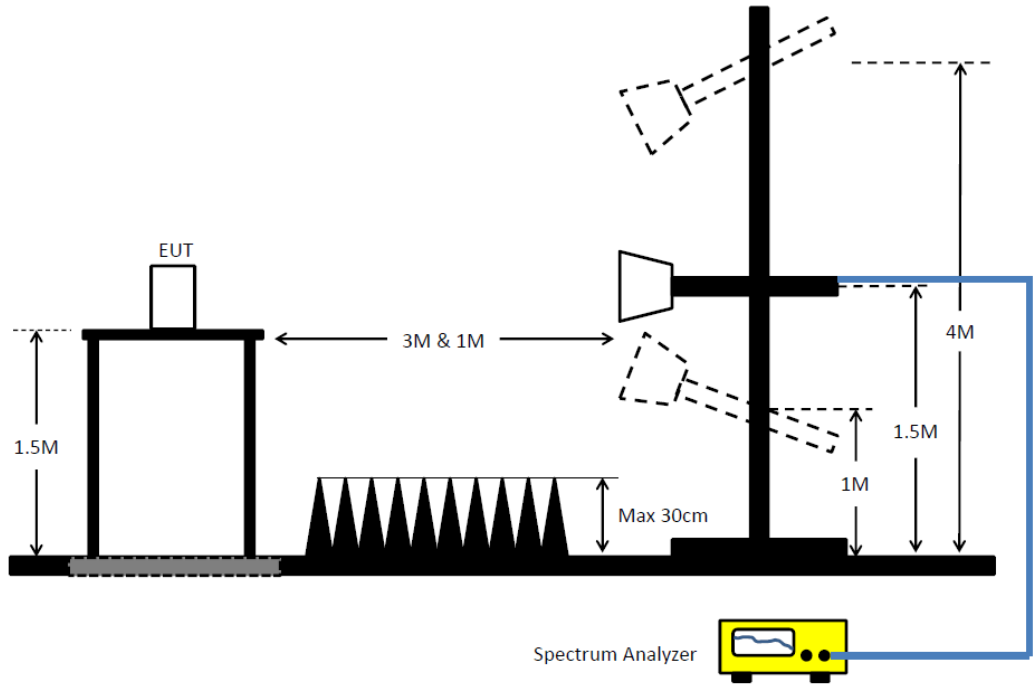
3.5.4 Measurement Results Calculation

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

3.5.5 Test Setup

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102052	9kHz ~ 3.6GHz	19/Apr/2021	18/Apr/2022
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
RF Cable 5m	TITAN	TITAN	CO04-cable-01	0.1MHz~200MHz	03/Mar/2021	02/Mar/2022
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021
LISN (Support Unit)	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127477	9kHz ~ 30MHz	25/Feb/2021	24/Feb/2022

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	19/Oct/2020	18/Oct/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	25/Mar/2021	24/Mar/2022
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	25/Mar/2021	24/Mar/2022

Instrument for Radiated Test (03CH02-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	02/Aug/2021	01/Aug/2022
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	12/Mar/2021	11/Mar/2022
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	29/Jun/2021	28/Jun/2022
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	05/May/2021	04/May/2022
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	05/May/2021	04/May/2022
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	19/Apr/2021	18/Apr/2022

Instrument for Radiated Test (03CH09-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	18/Mar/2021	17/Mar/2022
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	13/Aug/2021	12/Aug/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	18/May/2021	17/May/2022
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	CB009	1GHz~40GHz	13/Aug/2021	12/Aug/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	11/Mar/2021	10/Mar/2022
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	09/Mar/2021	08/Mar/2022
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	23/Jul/2021	22/Jul/2022

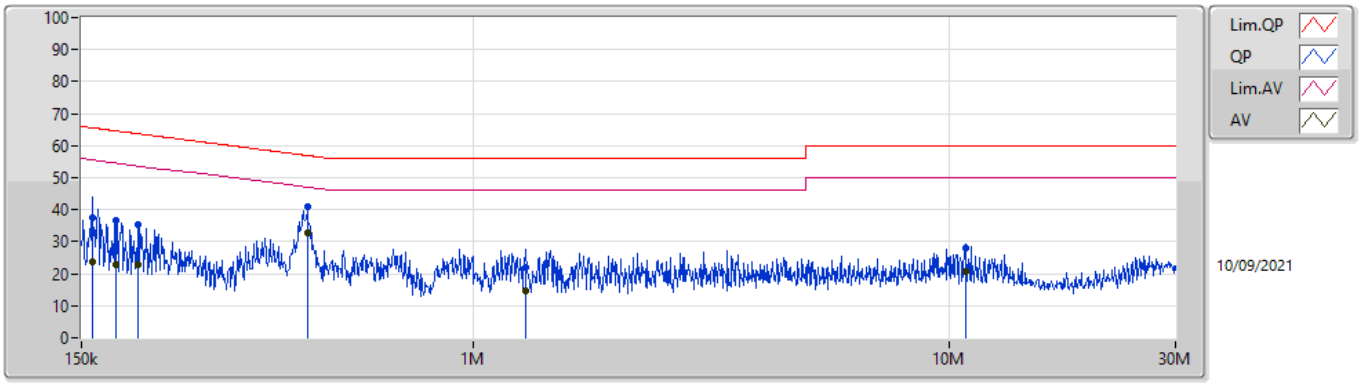
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	440.751k	43.12	47.05	-3.93	Neutral

Mode Configure

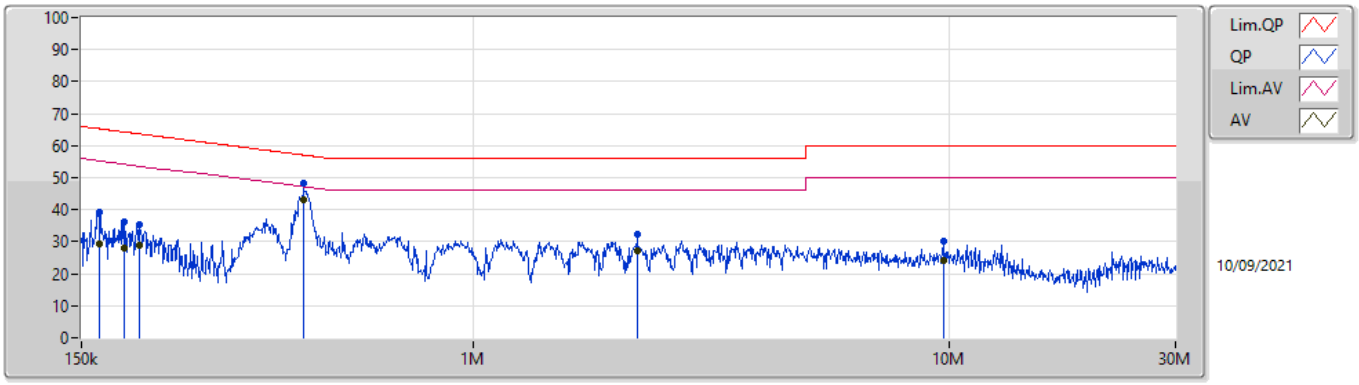
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	157.99k	37.71	65.56	-27.85	Line	-
Mode 1	Pass	AV	157.99k	23.64	55.56	-31.92	Line	-
Mode 1	Pass	QP	177.381k	36.53	64.60	-28.07	Line	-
Mode 1	Pass	AV	177.381k	23.01	54.60	-31.59	Line	-
Mode 1	Pass	QP	197.568k	35.50	63.71	-28.21	Line	-
Mode 1	Pass	AV	197.568k	22.98	53.71	-30.73	Line	-
Mode 1	Pass	QP	447.846k	41.05	56.92	-15.87	Line	-
Mode 1	Pass	AV	447.846k	32.92	46.92	-14.00	Line	-
Mode 1	Pass	QP	1.29M	22.12	56.00	-33.88	Line	-
Mode 1	Pass	AV	1.29M	14.85	46.00	-31.15	Line	-
Mode 1	Pass	QP	10.83M	28.16	60.00	-31.84	Line	-
Mode 1	Pass	AV	10.83M	20.71	50.00	-29.29	Line	-
Mode 1	Pass	QP	163.769k	39.09	65.27	-26.18	Neutral	-
Mode 1	Pass	AV	163.769k	29.52	55.27	-25.75	Neutral	-
Mode 1	Pass	QP	184.605k	36.24	64.28	-28.04	Neutral	-
Mode 1	Pass	AV	184.605k	28.07	54.28	-26.21	Neutral	-
Mode 1	Pass	QP	199.152k	35.49	63.65	-28.16	Neutral	-
Mode 1	Pass	AV	199.152k	29.04	53.65	-24.61	Neutral	-
Mode 1	Pass	QP	440.751k	48.13	57.05	-8.92	Neutral	-
Mode 1	Pass	AV	440.751k	43.12	47.05	-3.93	Neutral	-
Mode 1	Pass	QP	2.211M	32.33	56.00	-23.67	Neutral	-
Mode 1	Pass	AV	2.211M	27.19	46.00	-18.81	Neutral	-
Mode 1	Pass	QP	9.762M	30.30	60.00	-29.70	Neutral	-
Mode 1	Pass	AV	9.762M	24.31	50.00	-25.69	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	157.99k	37.71	65.56	-27.85	19.63	Line	-	18.08	9.69	0.04	9.90
AV	157.99k	23.64	55.56	-31.92	19.63	Line	-	4.01	9.69	0.04	9.90
QP	177.381k	36.53	64.60	-28.07	19.62	Line	-	16.91	9.68	0.04	9.90
AV	177.381k	23.01	54.60	-31.59	19.62	Line	-	3.39	9.68	0.04	9.90
QP	197.568k	35.50	63.71	-28.21	19.62	Line	-	15.88	9.68	0.04	9.90
AV	197.568k	22.98	53.71	-30.73	19.62	Line	-	3.36	9.68	0.04	9.90
QP	447.846k	41.05	56.92	-15.87	19.62	Line	-	21.43	9.67	0.06	9.89
AV	447.846k	32.92	46.92	-14.00	19.62	Line	-	13.30	9.67	0.06	9.89
QP	1.29M	22.12	56.00	-33.88	19.56	Line	-	2.56	9.67	0.09	9.80
AV	1.29M	14.85	46.00	-31.15	19.56	Line	-	-4.71	9.67	0.09	9.80
QP	10.83M	28.16	60.00	-31.84	19.82	Line	-	8.34	9.71	0.21	9.90
AV	10.83M	20.71	50.00	-29.29	19.82	Line	-	0.89	9.71	0.21	9.90

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	163.769k	39.09	65.27	-26.18	19.63	Neutral	-	19.46	9.69	0.04	9.90
AV	163.769k	29.52	55.27	-25.75	19.63	Neutral	-	9.89	9.69	0.04	9.90
QP	184.605k	36.24	64.28	-28.04	19.62	Neutral	-	16.62	9.68	0.04	9.90
AV	184.605k	28.07	54.28	-26.21	19.62	Neutral	-	8.45	9.68	0.04	9.90
QP	199.152k	35.49	63.65	-28.16	19.62	Neutral	-	15.87	9.68	0.04	9.90
AV	199.152k	29.04	53.65	-24.61	19.62	Neutral	-	9.42	9.68	0.04	9.90
QP	440.751k	48.13	57.05	-8.92	19.62	Neutral	-	28.51	9.67	0.06	9.89
AV	440.751k	43.12	47.05	-3.93	19.62	Neutral	-	23.50	9.67	0.06	9.89
QP	2.211M	32.33	56.00	-23.67	19.60	Neutral	-	12.73	9.68	0.11	9.81
AV	2.211M	27.19	46.00	-18.81	19.60	Neutral	-	7.59	9.68	0.11	9.81
QP	9.762M	30.30	60.00	-29.70	19.83	Neutral	-	10.47	9.73	0.20	9.90
AV	9.762M	24.31	50.00	-25.69	19.83	Neutral	-	4.48	9.73	0.20	9.90

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	32.49M	16.762M	16M8D1D	22.02M	16.462M
802.11ac VHT20_Nss1,(MCS0)_2TX	43.62M	25.157M	25M2D1D	19.71M	17.601M
802.11ac VHT40_Nss1,(MCS0)_2TX	79.98M	38.321M	38M3D1D	41.52M	36.462M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.72M	74.963M	75M0D1D	81.36M	74.843M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.44M	16.792M	16M8D1D	16.38M	16.462M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.64M	17.661M	17M7D1D	17.64M	17.571M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.42M	51.454M	51M5D1D	36.36M	37.661M
802.11ac VHT80_Nss1,(MCS0)_2TX	76.32M	79.04M	79M0D1D	76.32M	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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	23.79M	16.492M	22.02M	16.462M
5200MHz	Pass	Inf	30.78M	16.762M	32.49M	16.732M
5240MHz	Pass	Inf	27.18M	16.642M	27.87M	16.582M
5745MHz	Pass	500k	16.38M	16.792M	16.44M	16.492M
5785MHz	Pass	500k	16.38M	16.582M	16.38M	16.462M
5825MHz	Pass	500k	16.38M	16.552M	16.41M	16.462M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.71M	17.601M	19.8M	17.601M
5200MHz	Pass	Inf	43.62M	21.739M	43.62M	25.157M
5240MHz	Pass	Inf	34.23M	17.961M	38.67M	18.141M
5745MHz	Pass	500k	17.64M	17.631M	17.64M	17.571M
5785MHz	Pass	500k	17.64M	17.661M	17.64M	17.631M
5825MHz	Pass	500k	17.64M	17.571M	17.64M	17.571M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.52M	36.462M	41.76M	36.522M
5230MHz	Pass	Inf	76.5M	38.321M	79.98M	38.201M
5755MHz	Pass	500k	36.42M	51.454M	36.36M	41.079M
5795MHz	Pass	500k	36.36M	44.138M	36.42M	37.661M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.36M	74.843M	81.72M	74.963M
5775MHz	Pass	500k	76.32M	79.04M	76.32M	76.402M

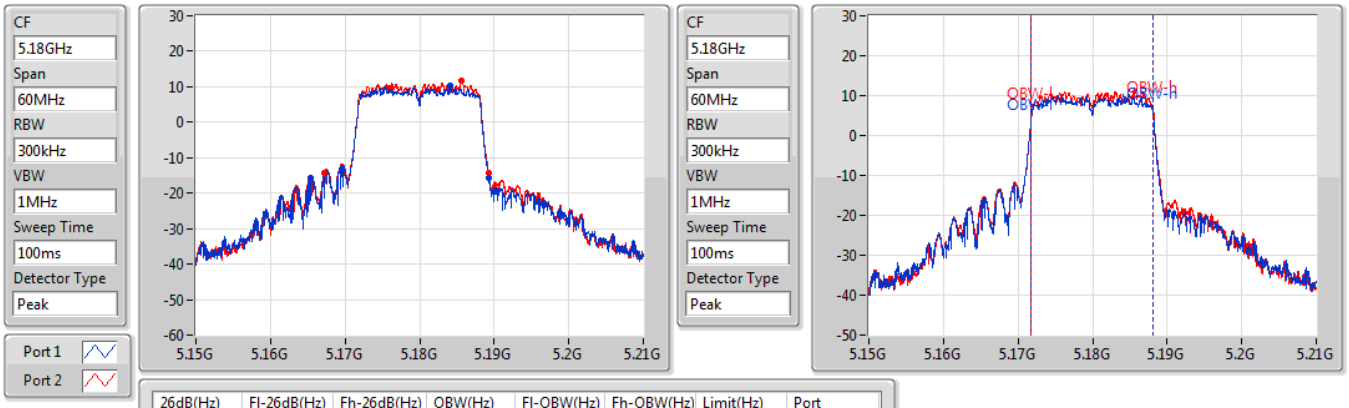
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_2TX

EBW

5180MHz

01/09/2021



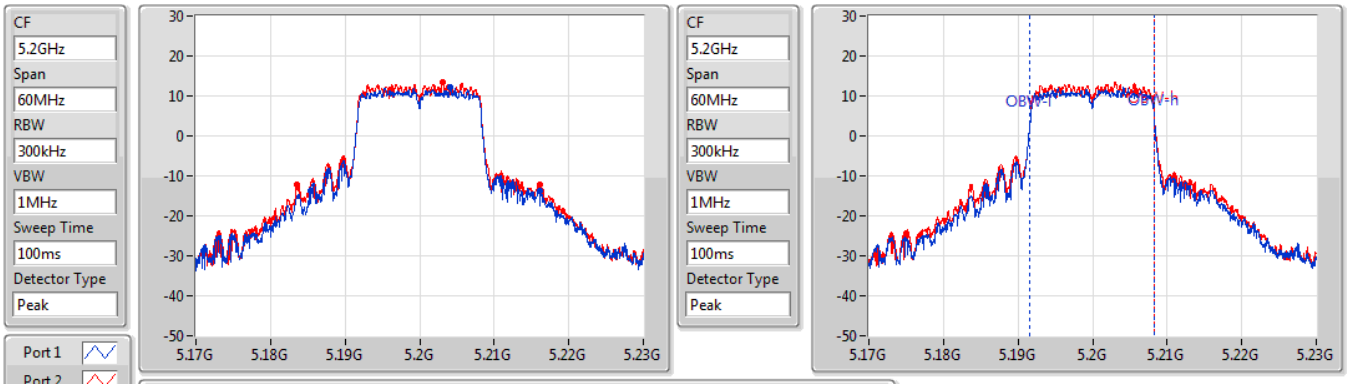
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.79M	5.16545G	5.18924G	16.492M	5.171694G	5.188186G	Inf	1
22.02M	5.16722G	5.18924G	16.462M	5.171724G	5.188186G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5200MHz

01/09/2021

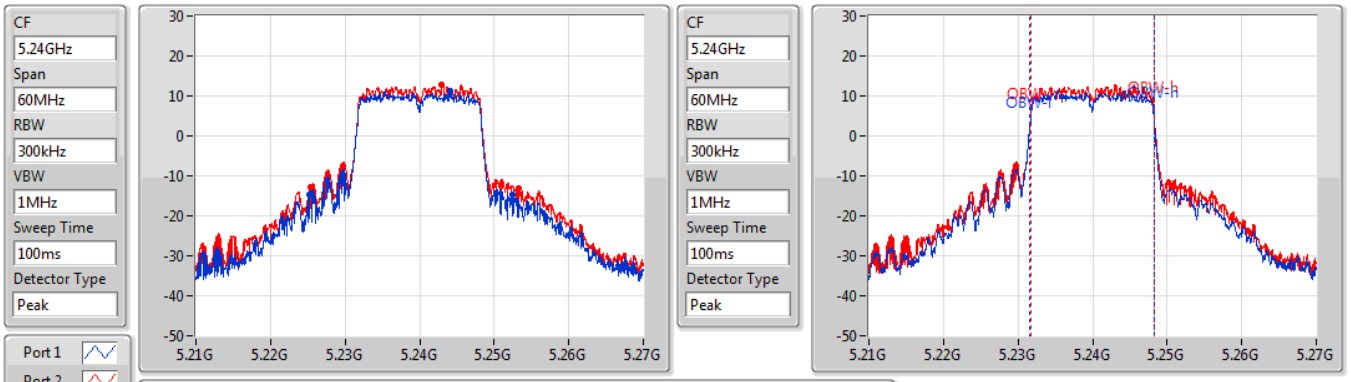


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.78M	5.1853G	5.21608G	16.762M	5.191544G	5.208306G	Inf	1
32.49M	5.18356G	5.21605G	16.732M	5.191574G	5.208306G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

01/09/2021

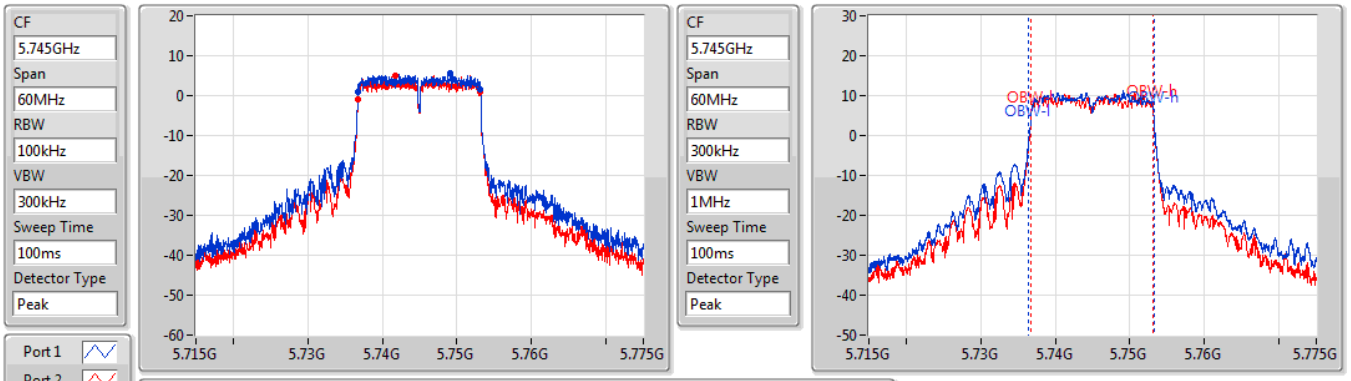


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.18M	5.22527G	5.25245G	16.642M	5.231574G	5.248216G	Inf	1
27.87M	5.22536G	5.25323G	16.582M	5.231664G	5.248246G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

01/09/2021

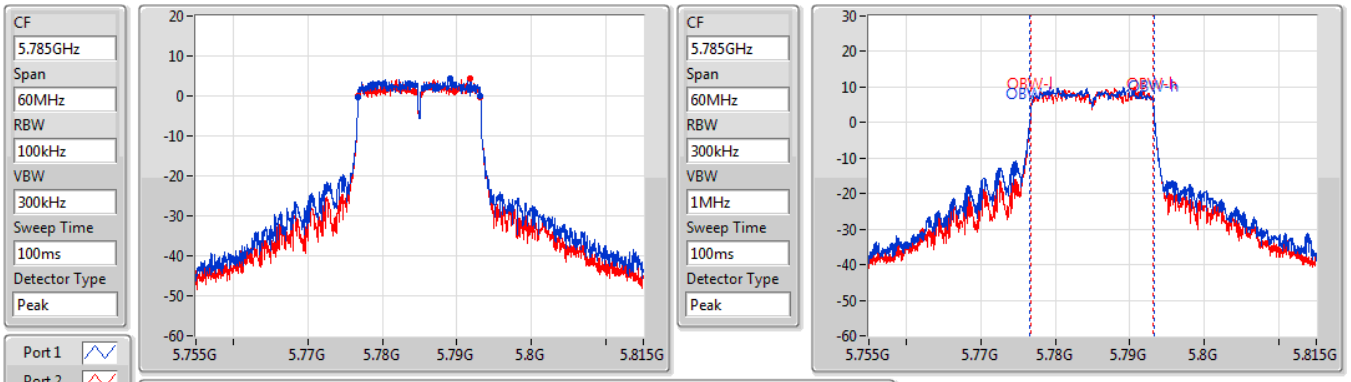


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.38M	5.73678G	5.75316G	16.792M	5.736454G	5.753246G	500k	1
16.44M	5.73672G	5.75316G	16.492M	5.736694G	5.753186G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

01/09/2021

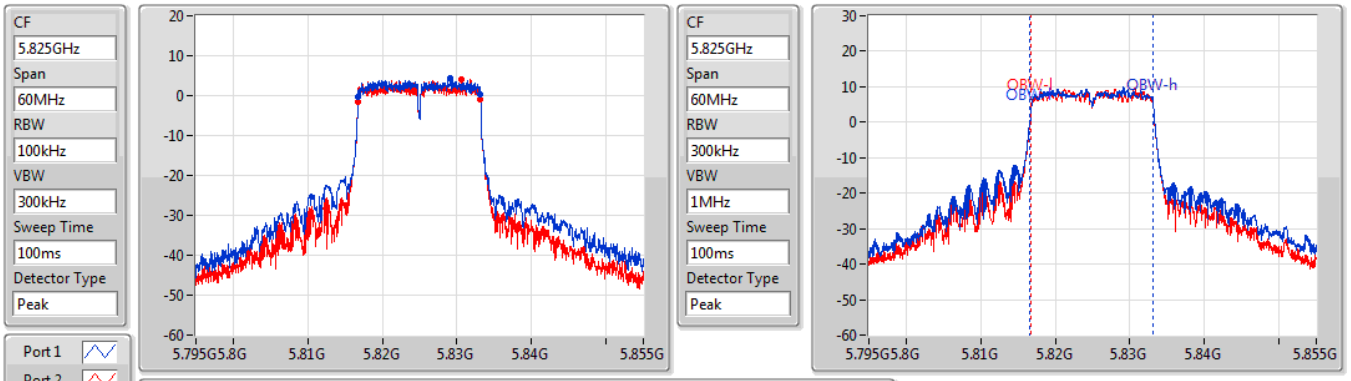


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.38M	5.77678G	5.79316G	16.582M	5.776634G	5.793216G	500k	1
16.38M	5.77678G	5.79316G	16.462M	5.776724G	5.793186G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

01/09/2021

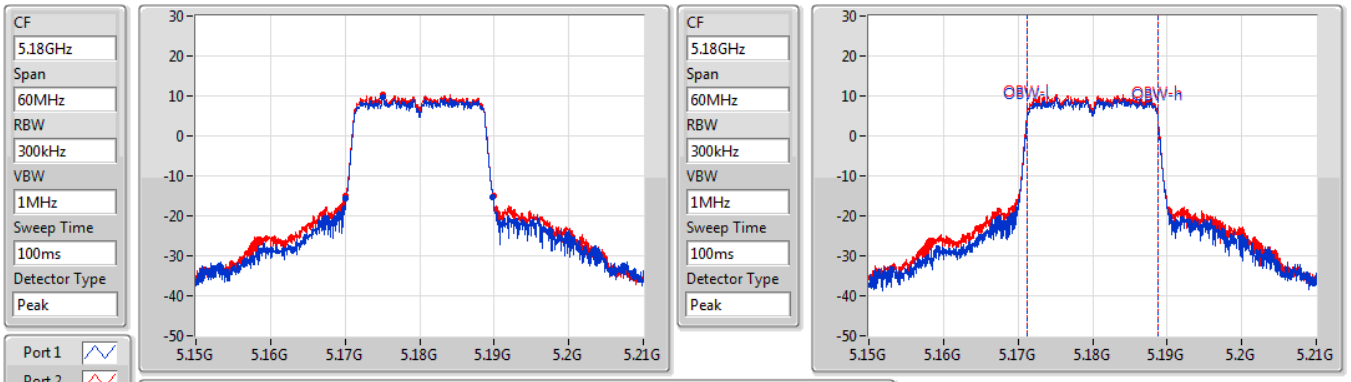


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.38M	5.81678G	5.83316G	16.552M	5.816634G	5.833186G	500k	1
16.41M	5.81675G	5.83316G	16.462M	5.816724G	5.833186G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

01/09/2021

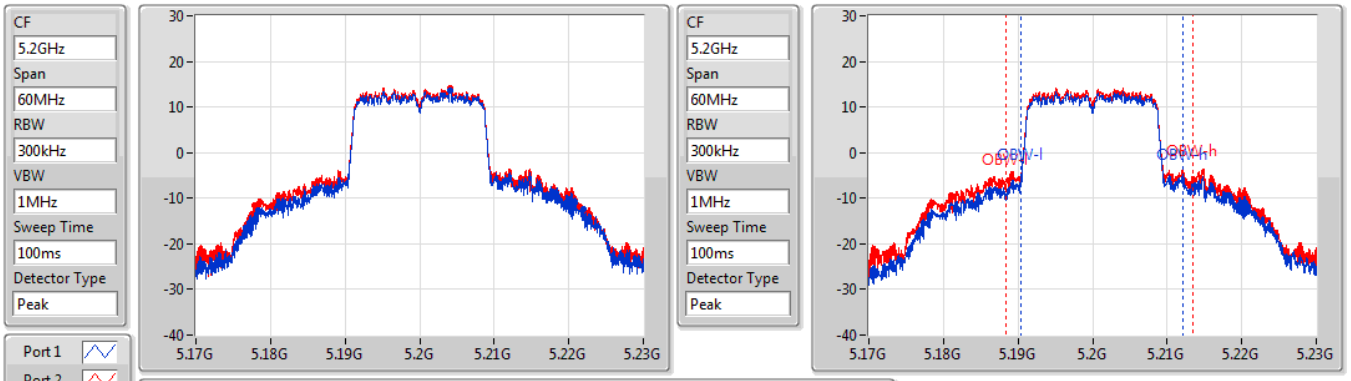


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.71M	5.17013G	5.18984G	17.601M	5.171184G	5.188786G	Inf	1
19.8M	5.17007G	5.18987G	17.601M	5.171184G	5.188786G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

01/09/2021

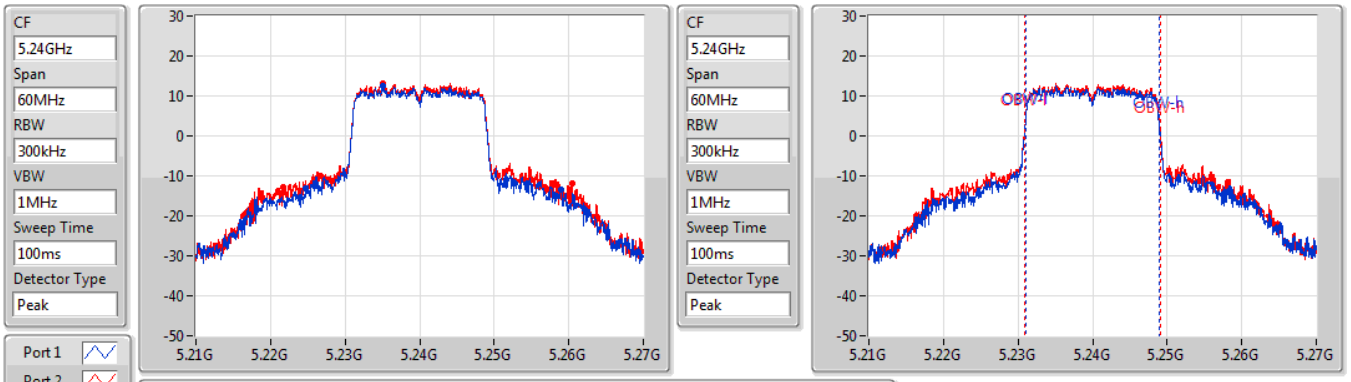


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.62M	5.17828G	5.2219G	21.739M	5.190405G	5.212144G	Inf	1
43.62M	5.17783G	5.22145G	25.157M	5.188306G	5.213463G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

01/09/2021

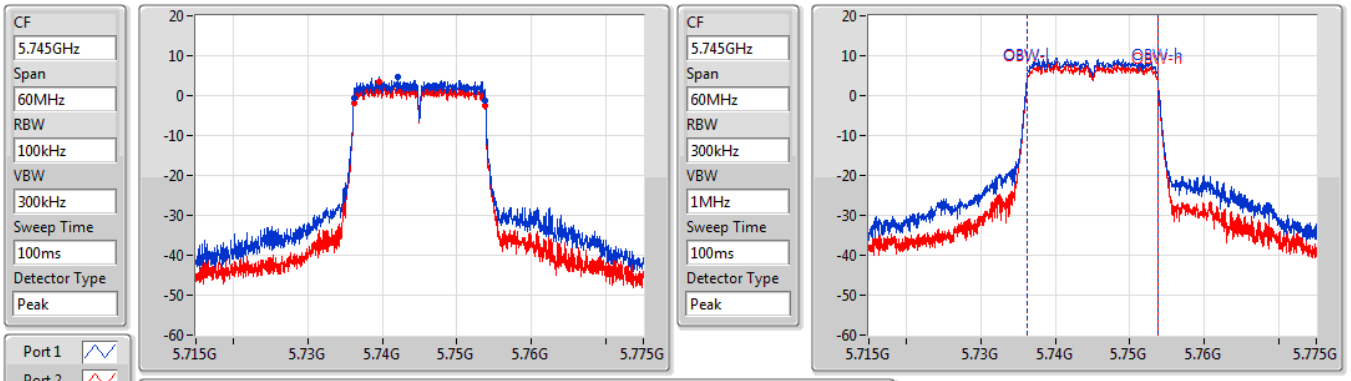


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.23M	5.22479G	5.25902G	17.961M	5.231004G	5.248966G	Inf	1
38.67M	5.22176G	5.26043G	18.141M	5.230945G	5.249085G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

01/09/2021

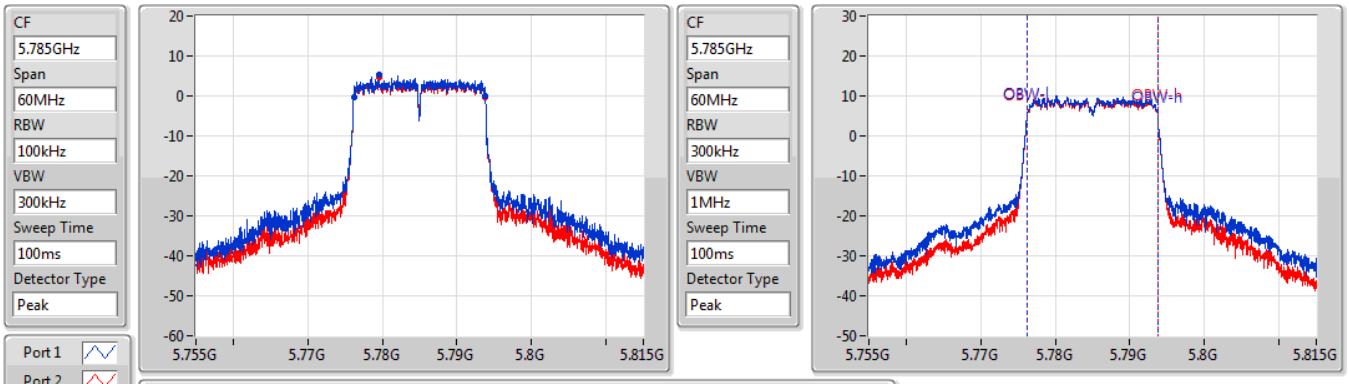


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.64M	5.73615G	5.75379G	17.631M	5.736154G	5.753786G	500k	1
17.64M	5.73615G	5.75379G	17.571M	5.736184G	5.753756G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5785MHz

01/09/2021

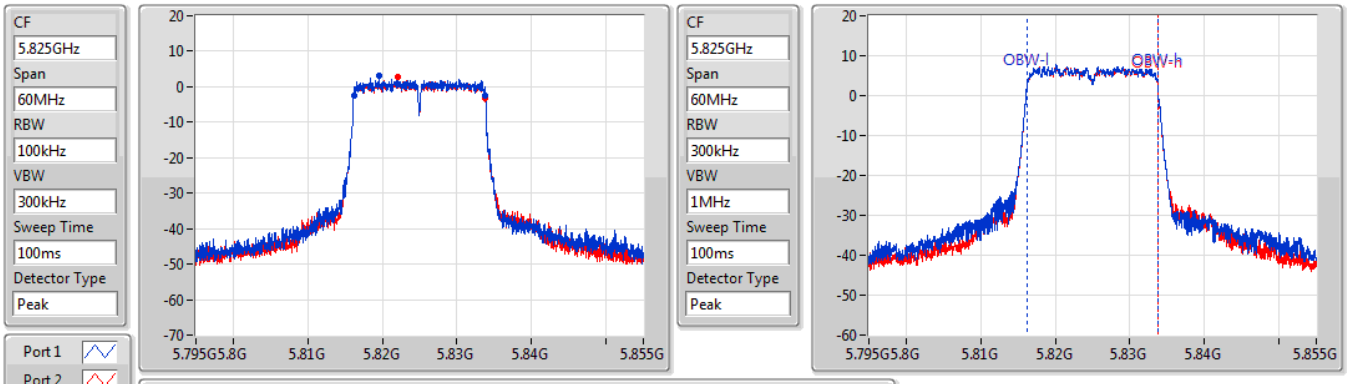


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.64M	5.77615G	5.79379G	17.661M	5.776154G	5.793816G	500k	1
17.64M	5.77615G	5.79379G	17.631M	5.776154G	5.793786G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5825MHz

01/09/2021

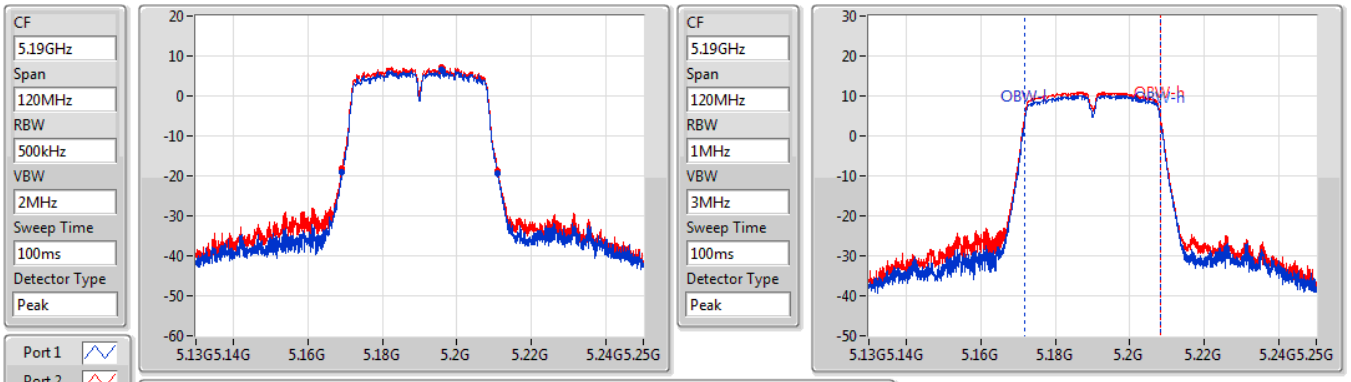


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.64M	5.81615G	5.83379G	17.571M	5.816184G	5.833756G	500k	1
17.64M	5.81615G	5.83379G	17.571M	5.816184G	5.833756G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5190MHz

01/09/2021

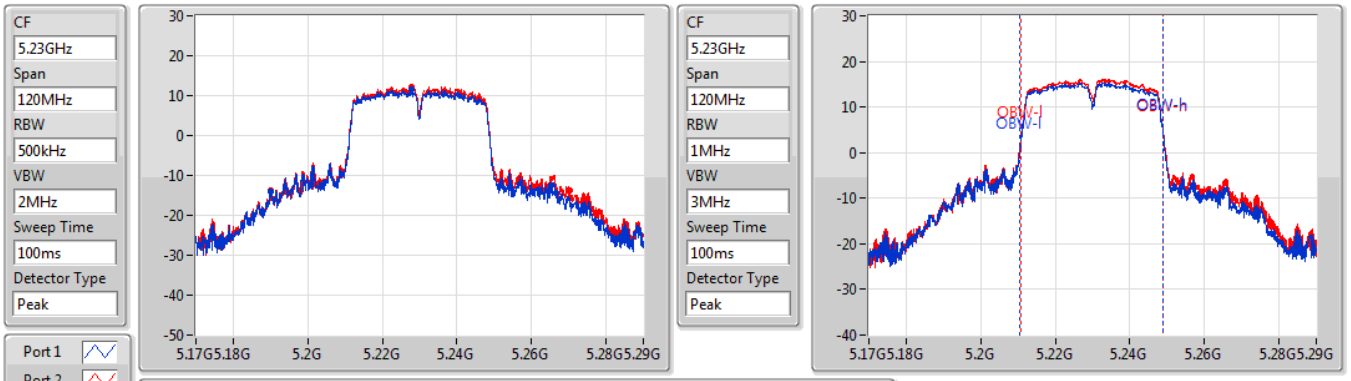


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.52M	5.16924G	5.21076G	36.462M	5.171829G	5.208291G	Inf	1
41.76M	5.16912G	5.21088G	36.522M	5.171709G	5.208231G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

01/09/2021



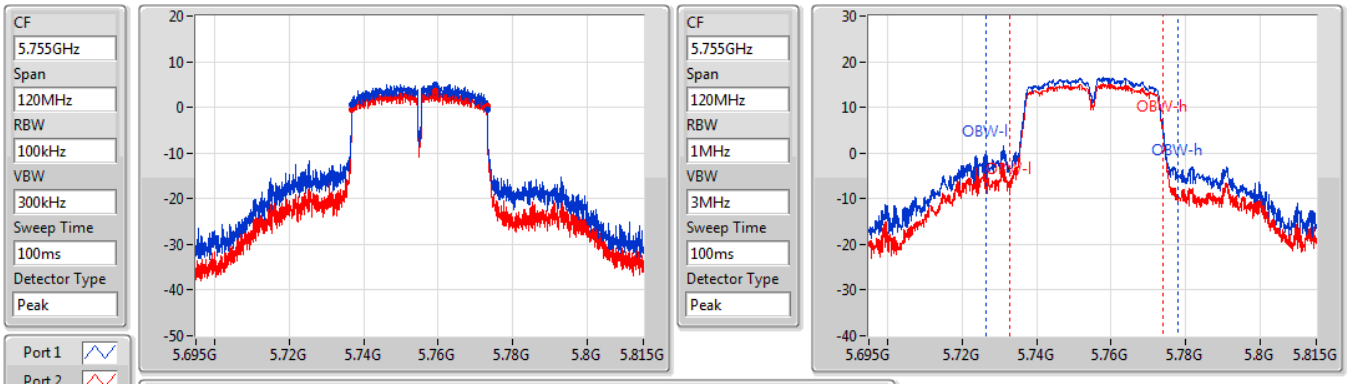
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.5M	5.19016G	5.26666G	38.321M	5.21051G	5.248831G	Inf	1
79.98M	5.19022G	5.2702G	38.201M	5.21081G	5.24901G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5755MHz

01/09/2021



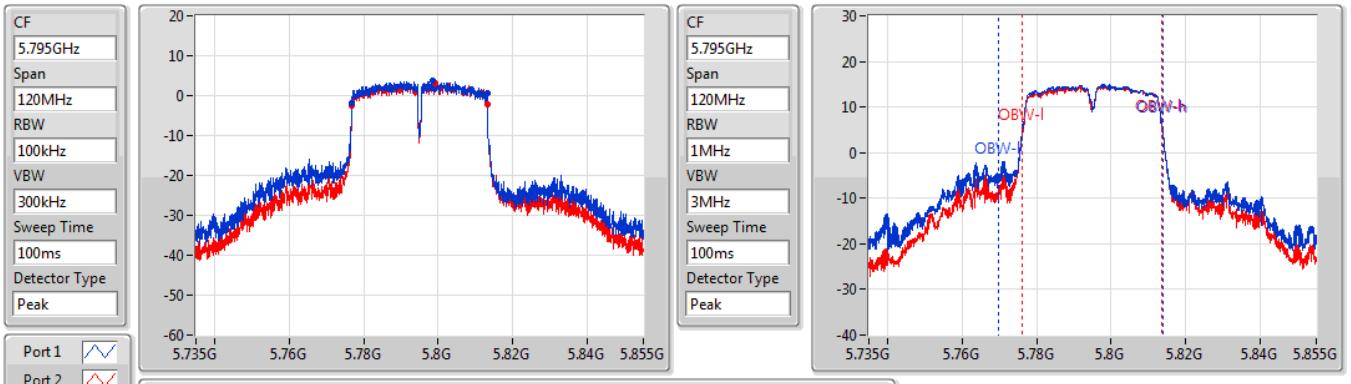
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.42M	5.73676G	5.77318G	51.454M	5.726574G	5.778028G	500k	1
36.36M	5.73676G	5.77312G	41.079M	5.732751G	5.773831G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5795MHz

01/09/2021

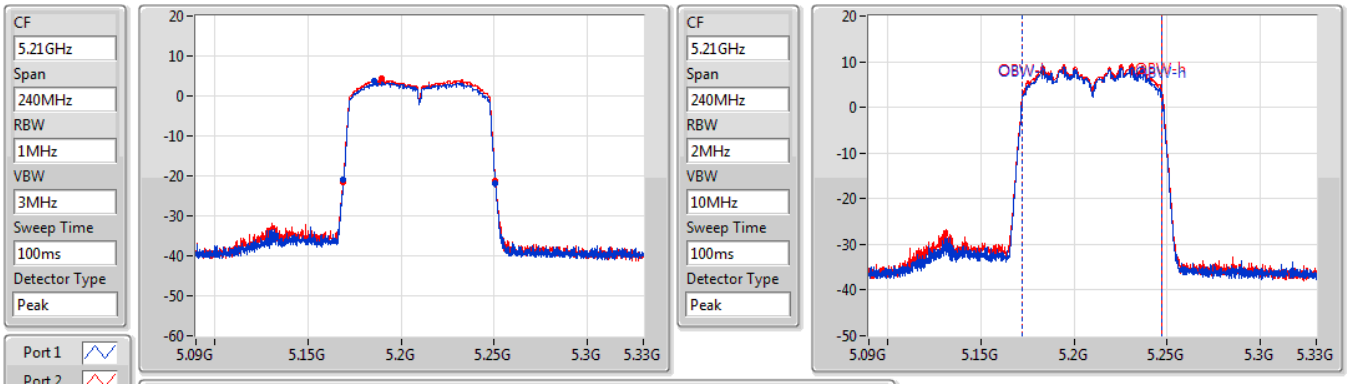


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.36M	5.77676G	5.81312G	44.138M	5.769753G	5.813891G	500k	1
36.42M	5.77676G	5.81318G	37.661M	5.77599G	5.813651G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5210MHz

01/09/2021

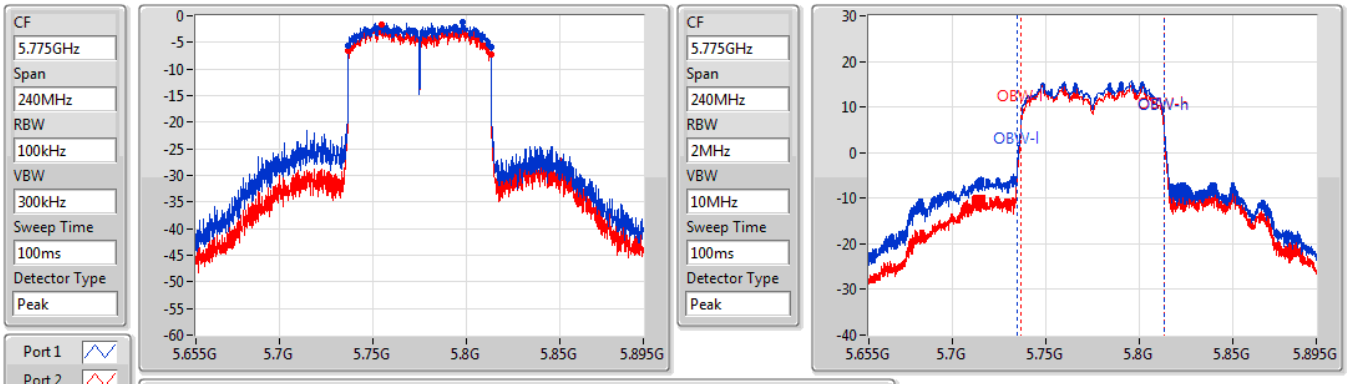


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.1692G	5.25056G	74.843M	5.172459G	5.247301G	Inf	1
81.72M	5.16896G	5.25068G	74.963M	5.172459G	5.247421G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz

01/09/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.32M	5.73684G	5.81316G	79.04M	5.73458G	5.813621G	500k	1
76.32M	5.73684G	5.81316G	76.402M	5.736859G	5.813261G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	24.17	0.26122	29.47	0.88512
802.11ac VHT20_Nss1,(MCS0)_2TX	25.54	0.35810	30.84	1.21339
802.11ac VHT40_Nss1,(MCS0)_2TX	24.59	0.28774	29.89	0.97499
802.11ac VHT80_Nss1,(MCS0)_2TX	15.63	0.03656	20.93	0.12388
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.20	0.16596	27.50	0.56234
802.11ac VHT20_Nss1,(MCS0)_2TX	21.86	0.15346	27.16	0.52000
802.11ac VHT40_Nss1,(MCS0)_2TX	24.69	0.29444	29.99	0.99770
802.11ac VHT80_Nss1,(MCS0)_2TX	21.75	0.14962	27.05	0.50699

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.30	18.43	19.45	21.98	30.00	27.28	36.00
5200MHz	Pass	5.30	20.66	21.60	24.17	30.00	29.47	36.00
5240MHz	Pass	5.30	19.91	21.07	23.54	30.00	28.84	36.00
5745MHz	Pass	5.30	19.62	18.72	22.20	30.00	27.50	36.00
5785MHz	Pass	5.30	18.52	17.91	21.24	30.00	26.54	36.00
5825MHz	Pass	5.30	18.35	17.81	21.10	30.00	26.40	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.30	18.43	19.34	21.92	30.00	27.22	36.00
5200MHz	Pass	5.30	22.06	22.96	25.54	30.00	30.84	36.00
5240MHz	Pass	5.30	21.25	22.01	24.66	30.00	29.96	36.00
5745MHz	Pass	5.30	18.40	17.24	20.87	30.00	26.17	36.00
5785MHz	Pass	5.30	19.01	18.68	21.86	30.00	27.16	36.00
5825MHz	Pass	5.30	16.78	16.65	19.73	30.00	25.03	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.30	16.24	17.06	19.68	30.00	24.98	36.00
5230MHz	Pass	5.30	21.15	21.97	24.59	30.00	29.89	36.00
5755MHz	Pass	5.30	22.25	21.02	24.69	30.00	29.99	36.00
5795MHz	Pass	5.30	20.93	20.71	23.83	30.00	29.13	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.30	12.18	13.02	15.63	30.00	20.93	36.00
5775MHz	Pass	5.30	19.18	18.24	21.75	30.00	27.05	36.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	11.42	19.73
802.11ac VHT20_Nss1,(MCS0)_2TX	12.54	20.85
802.11ac VHT40_Nss1,(MCS0)_2TX	8.77	17.08
802.11ac VHT80_Nss1,(MCS0)_2TX	-3.11	5.20
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	7.91	16.22
802.11ac VHT20_Nss1,(MCS0)_2TX	7.09	15.40
802.11ac VHT40_Nss1,(MCS0)_2TX	7.33	15.64
802.11ac VHT80_Nss1,(MCS0)_2TX	1.37	9.68

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

Result

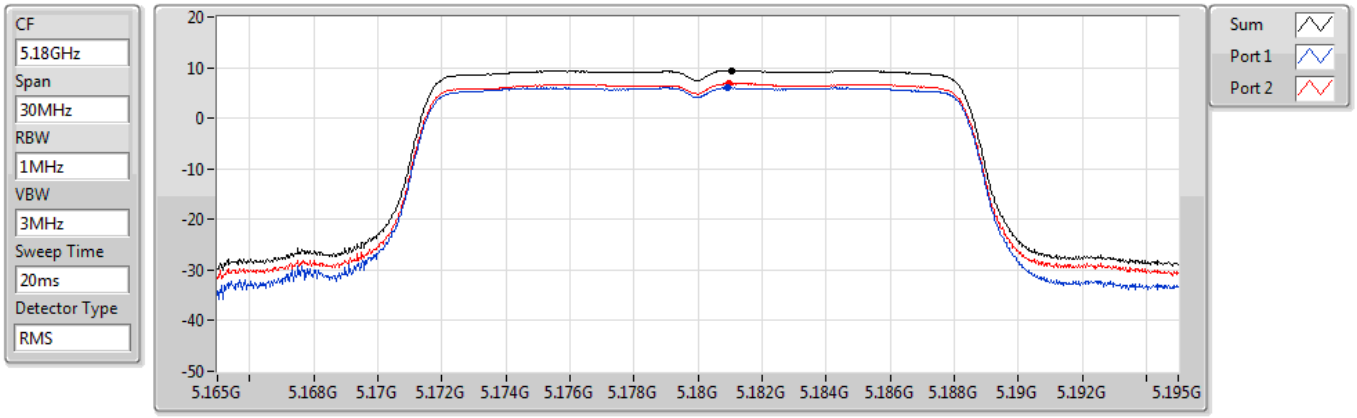
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.31	5.99	6.84	9.42	14.69	17.73	23.00
5200MHz	Pass	8.31	7.97	8.92	11.42	14.69	19.73	23.00
5240MHz	Pass	8.31	7.16	8.35	10.79	14.69	19.10	23.00
5745MHz	Pass	8.31	5.47	4.76	7.91	27.69	16.22	36.00
5785MHz	Pass	8.31	4.30	3.82	6.77	27.69	15.08	36.00
5825MHz	Pass	8.31	4.12	3.69	6.64	27.69	14.95	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.31	5.37	6.23	8.81	14.69	17.12	23.00
5200MHz	Pass	8.31	9.09	9.94	12.54	14.69	20.85	23.00
5240MHz	Pass	8.31	8.27	8.99	11.61	14.69	19.92	23.00
5745MHz	Pass	8.31	3.71	2.54	6.17	27.69	14.48	36.00
5785MHz	Pass	8.31	4.23	3.97	7.09	27.69	15.40	36.00
5825MHz	Pass	8.31	1.90	1.85	4.85	27.69	13.16	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.31	0.35	1.12	3.74	14.69	12.05	23.00
5230MHz	Pass	8.31	5.39	6.19	8.77	14.69	17.08	23.00
5755MHz	Pass	8.31	4.96	3.62	7.33	27.69	15.64	36.00
5795MHz	Pass	8.31	3.50	3.25	6.33	27.69	14.64	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.31	-6.52	-5.72	-3.11	14.69	5.20	23.00
5775MHz	Pass	8.31	-1.29	-1.86	1.37	27.69	9.68	36.00

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

802.11a_Nss1,(6Mbps)_2TX PSD

5180MHz

01/09/2021

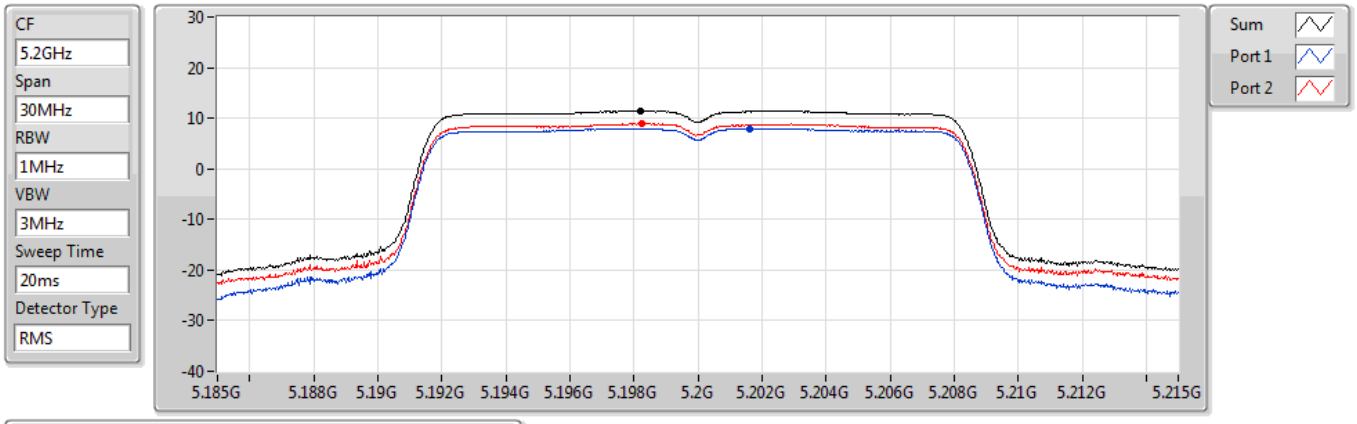


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.42	9.42	5.99	6.84

802.11a_Nss1,(6Mbps)_2TX PSD

5200MHz

01/09/2021



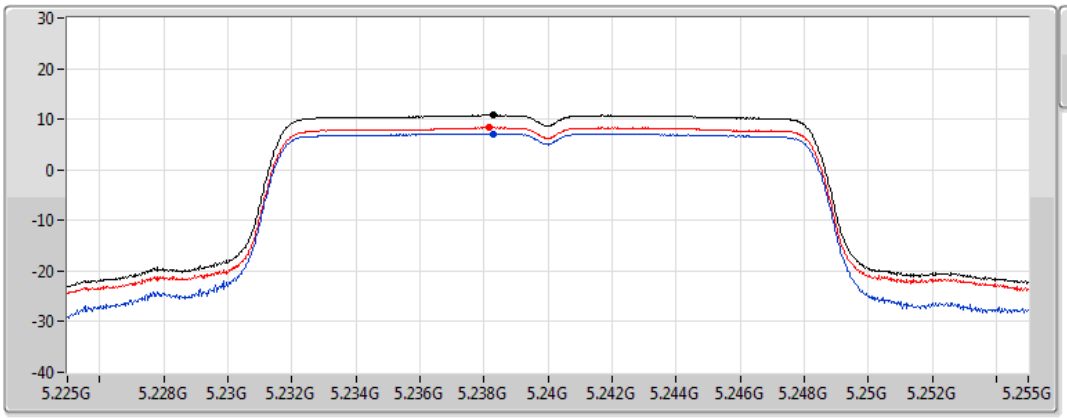
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.42	11.42	7.97	8.92

802.11a_Nss1,(6Mbps)_2TX PSD

5240MHz

01/09/2021

CF	5.24GHz
Span	30MHz
RBW	1MHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS



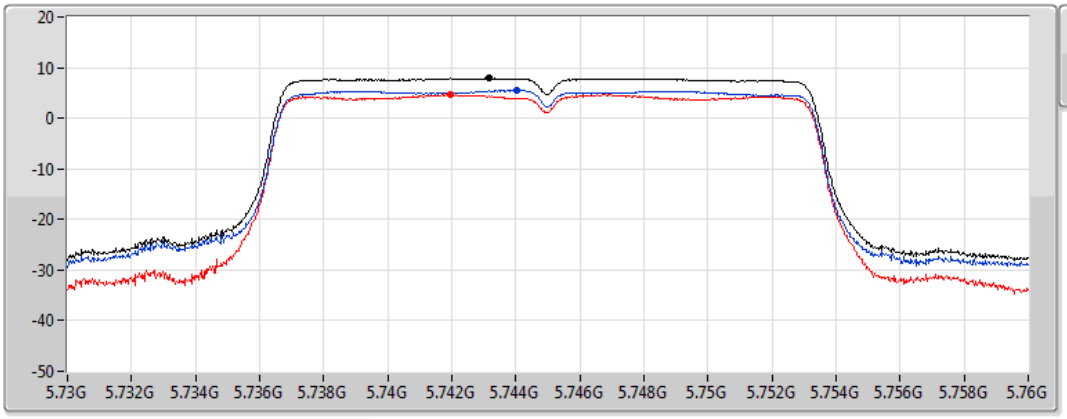
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.79	10.79	7.16	8.35

802.11a_Nss1,(6Mbps)_2TX PSD

5745MHz

01/09/2021

CF	5.745GHz
Span	30MHz
RBW	500kHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS

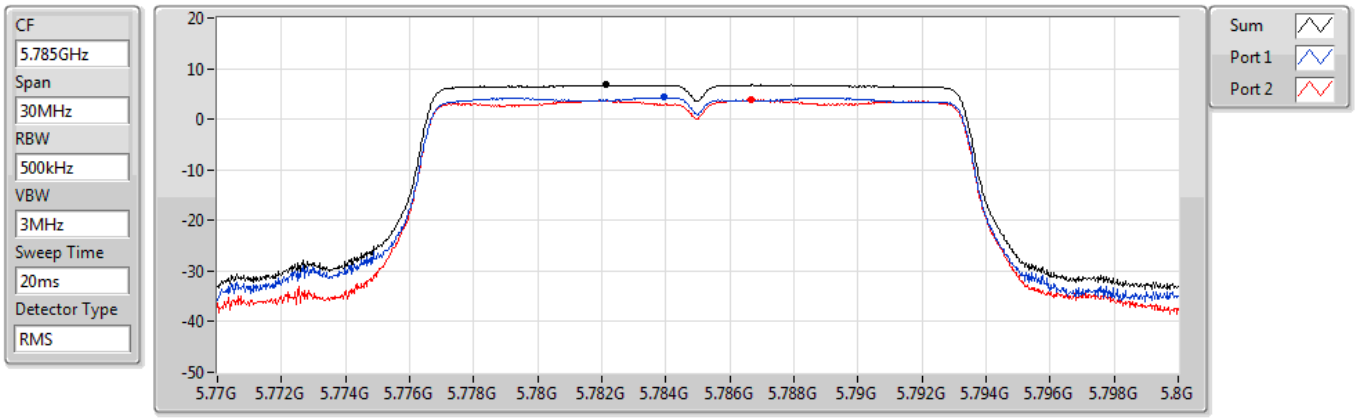


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.91	7.91	5.47	4.76

802.11a_Nss1,(6Mbps)_2TX PSD

5785MHz

01/09/2021

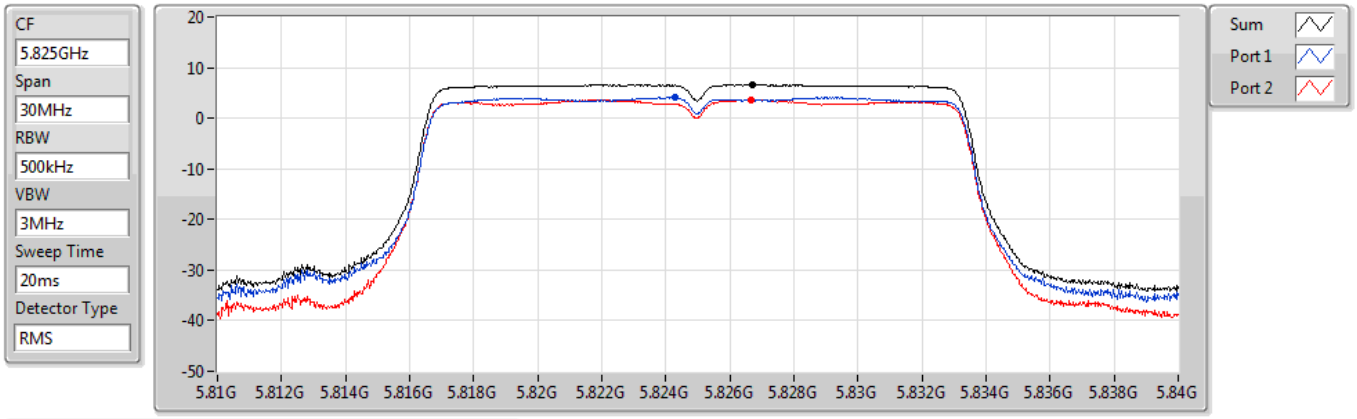


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.77	6.77	4.30	3.82

802.11a_Nss1,(6Mbps)_2TX PSD

5825MHz

01/09/2021

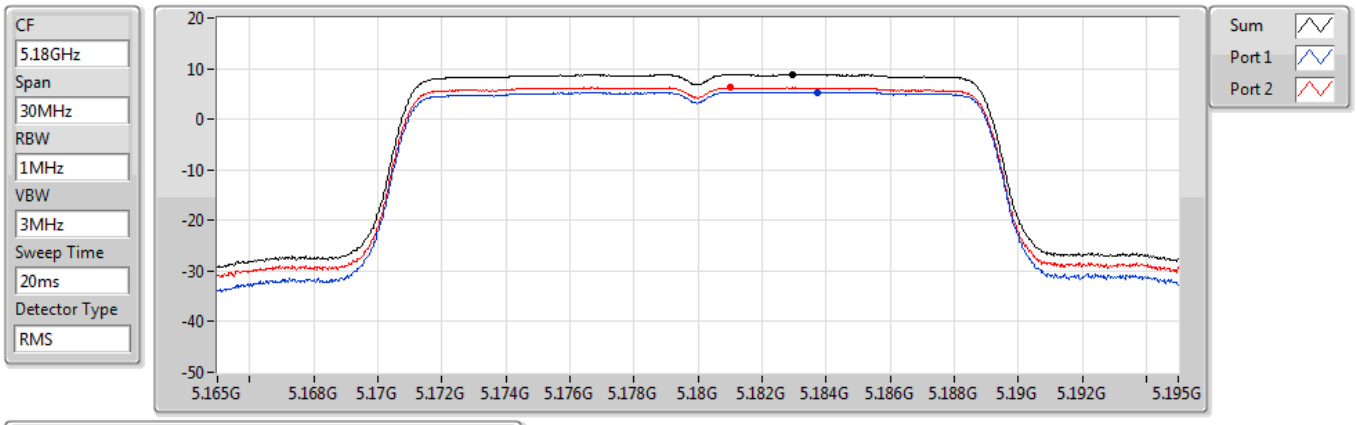


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.64	6.64	4.12	3.69

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5180MHz

01/09/2021

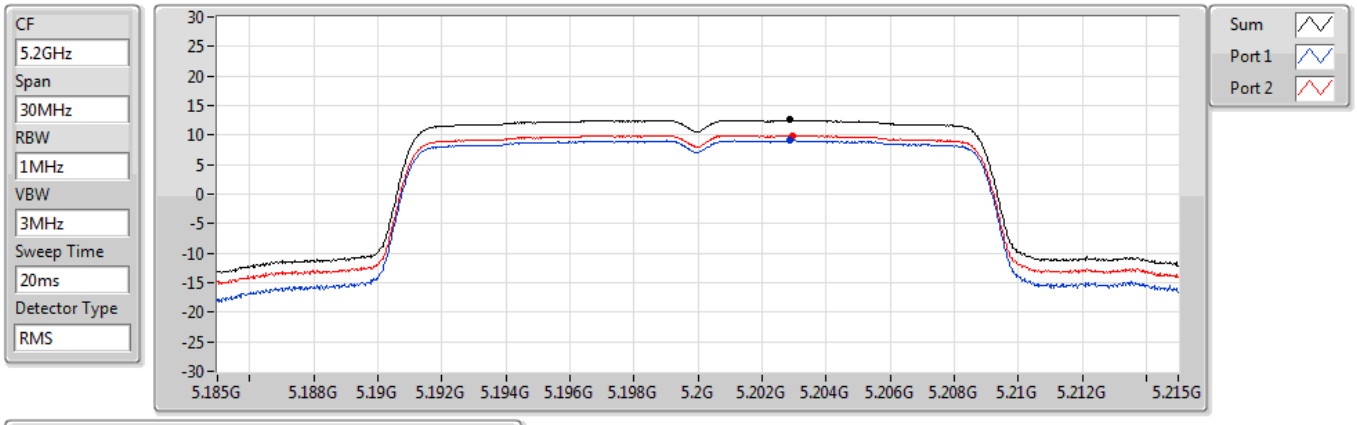


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.81	8.81	5.37	6.23

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5200MHz

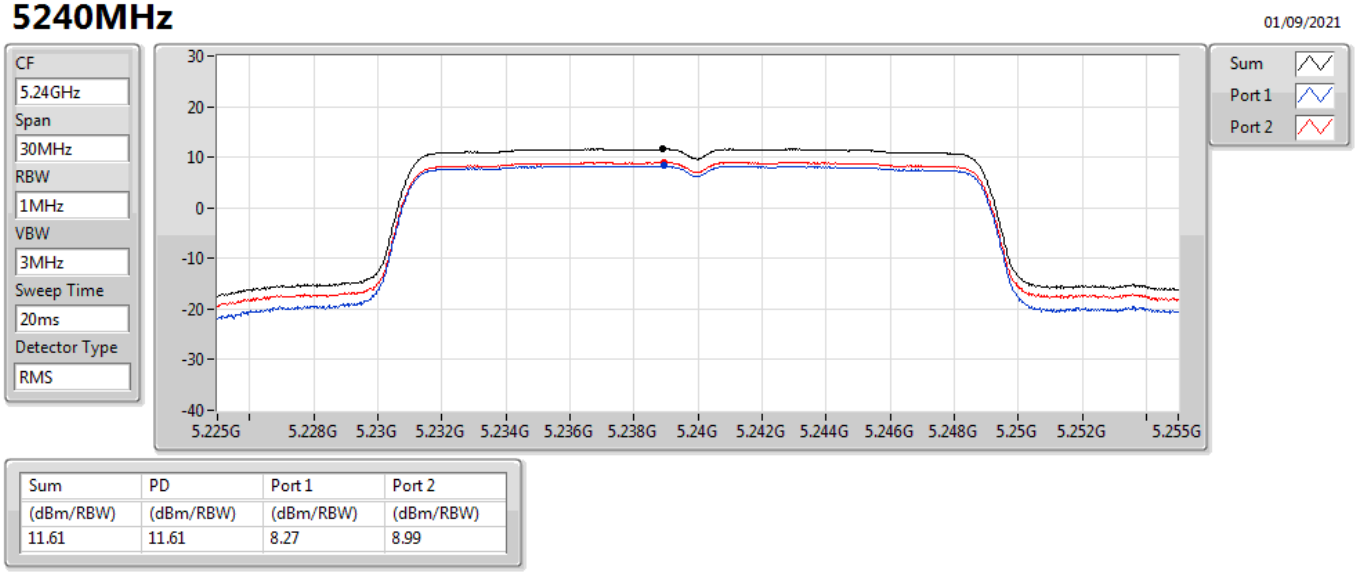
01/09/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.54	12.54	9.09	9.94

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

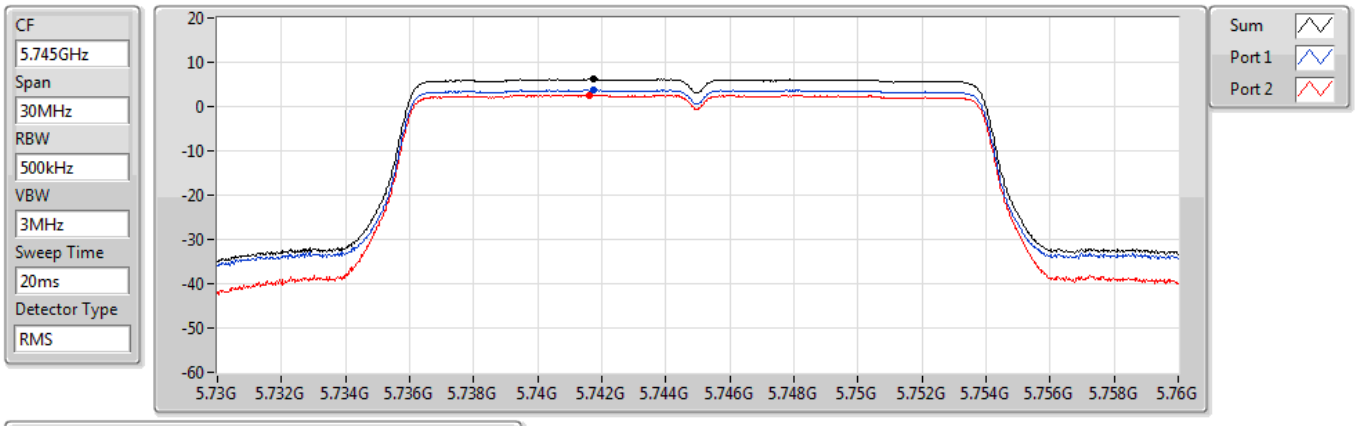
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.61	11.61	8.27	8.99

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5745MHz

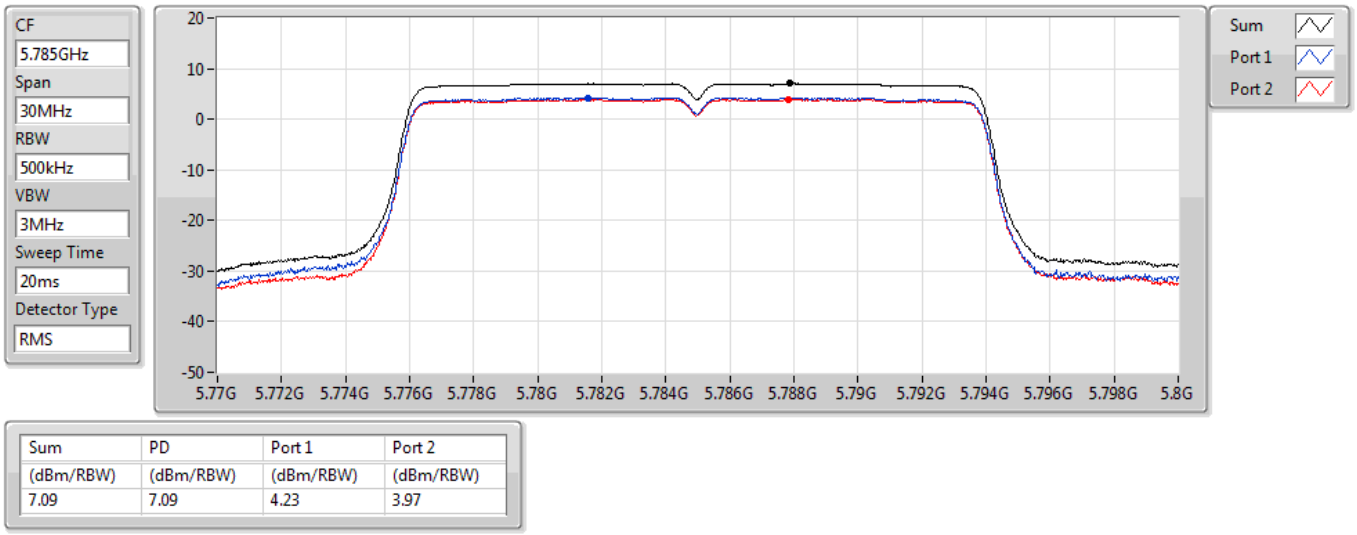


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.17	6.17	3.71	2.54

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5785MHz

01/09/2021

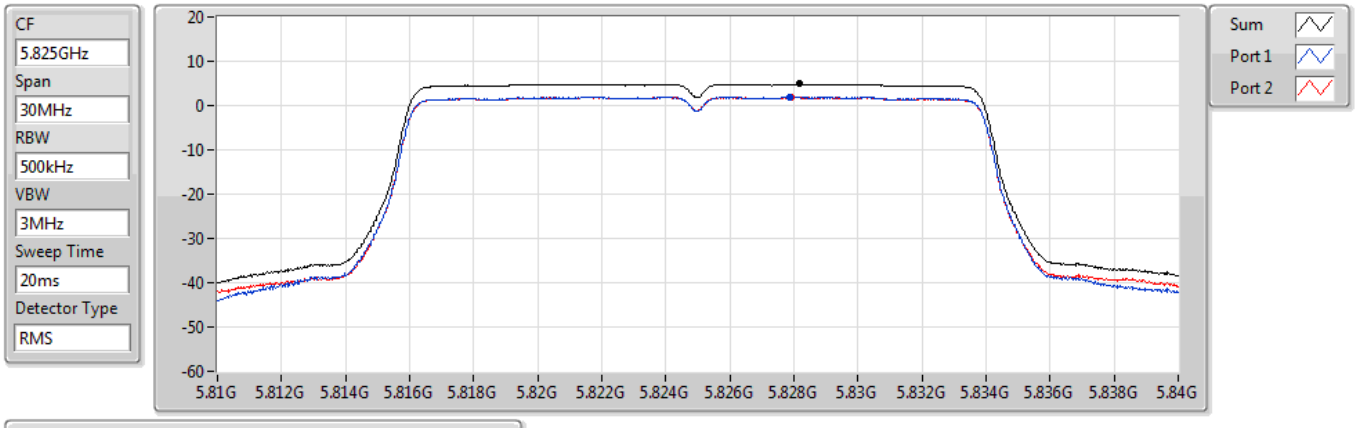


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.09	7.09	4.23	3.97

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5825MHz

01/09/2021

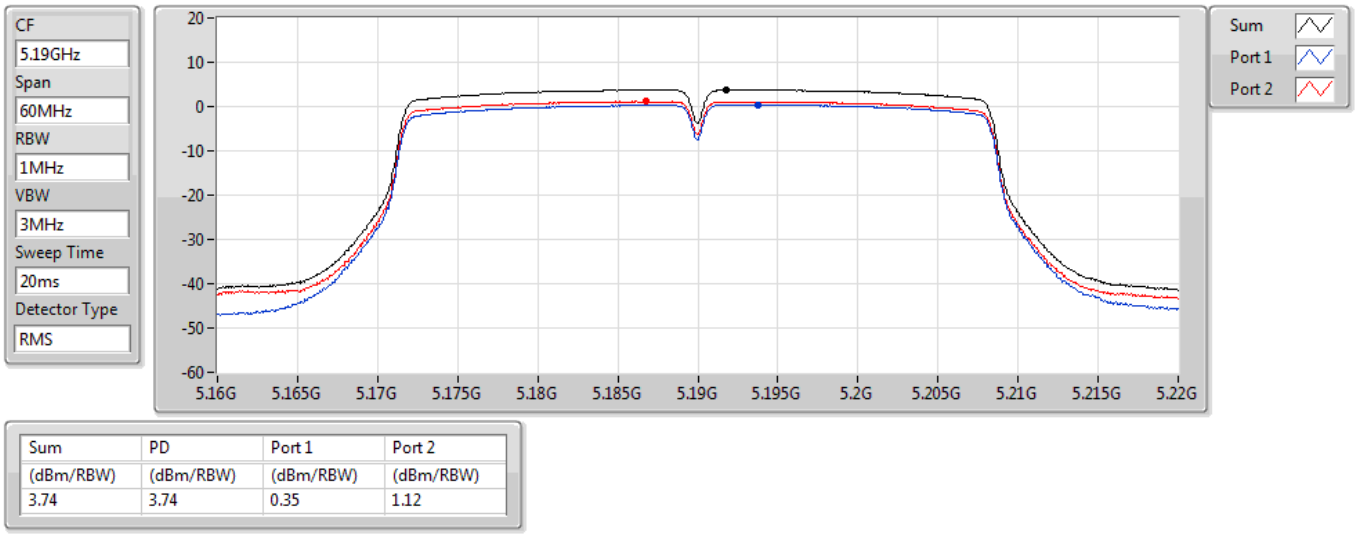


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.85	4.85	1.90	1.85

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5190MHz

01/09/2021

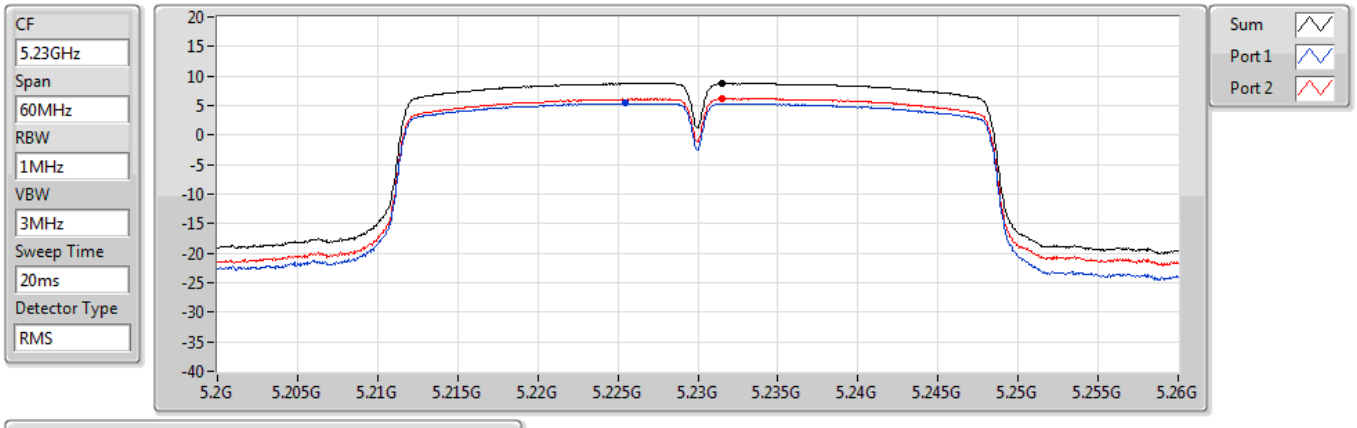


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.74	3.74	0.35	1.12

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5230MHz

01/09/2021

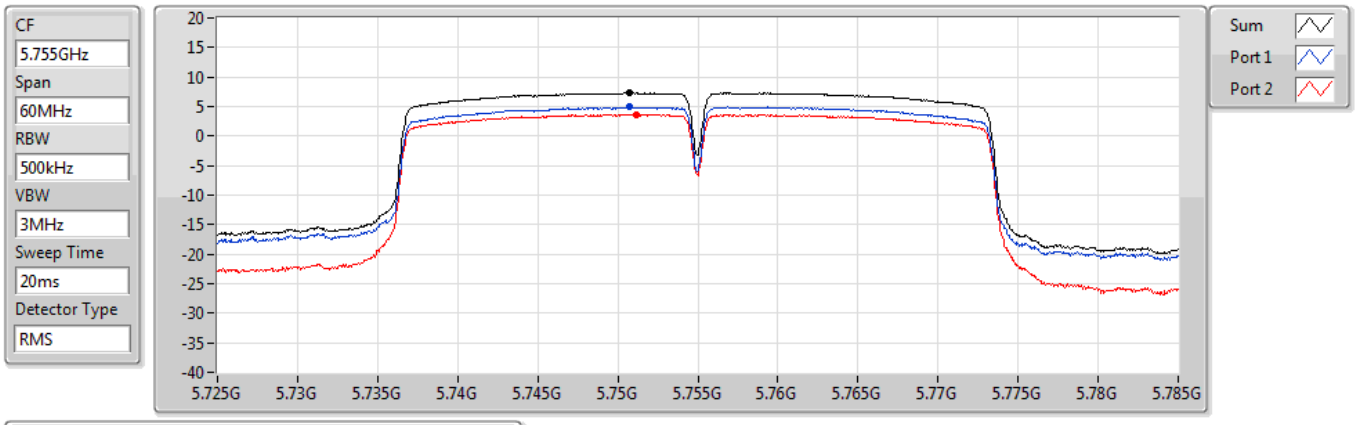


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.77	8.77	5.39	6.19

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5755MHz

01/09/2021

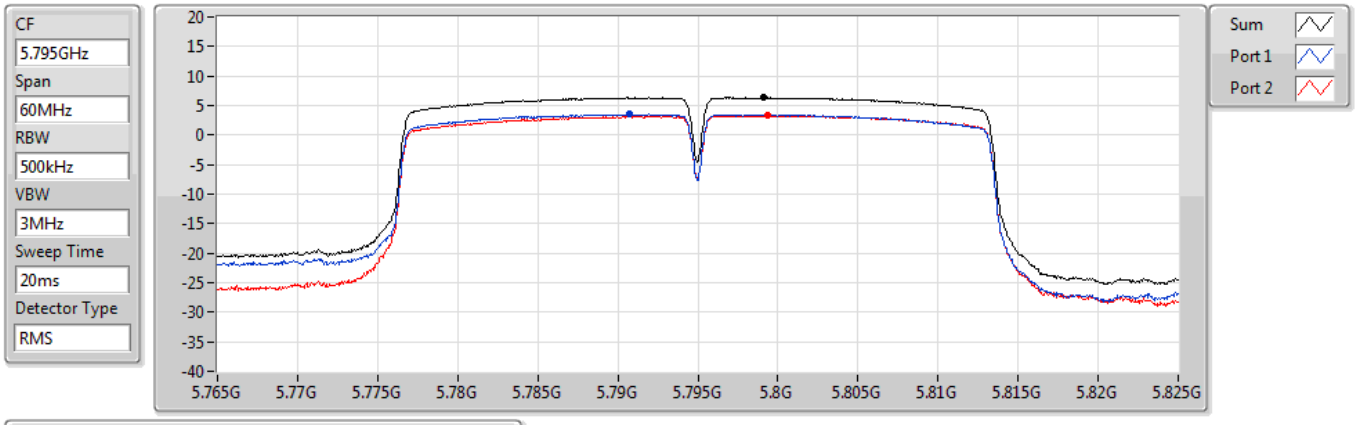


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.33	7.33	4.96	3.62

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5795MHz

01/09/2021

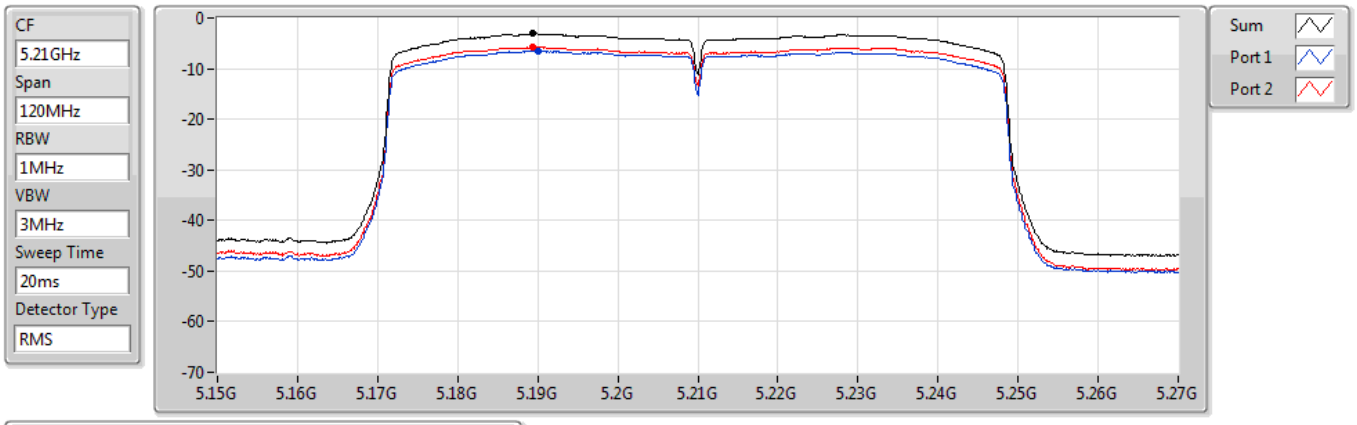


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.33	6.33	3.50	3.25

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5210MHz

01/09/2021

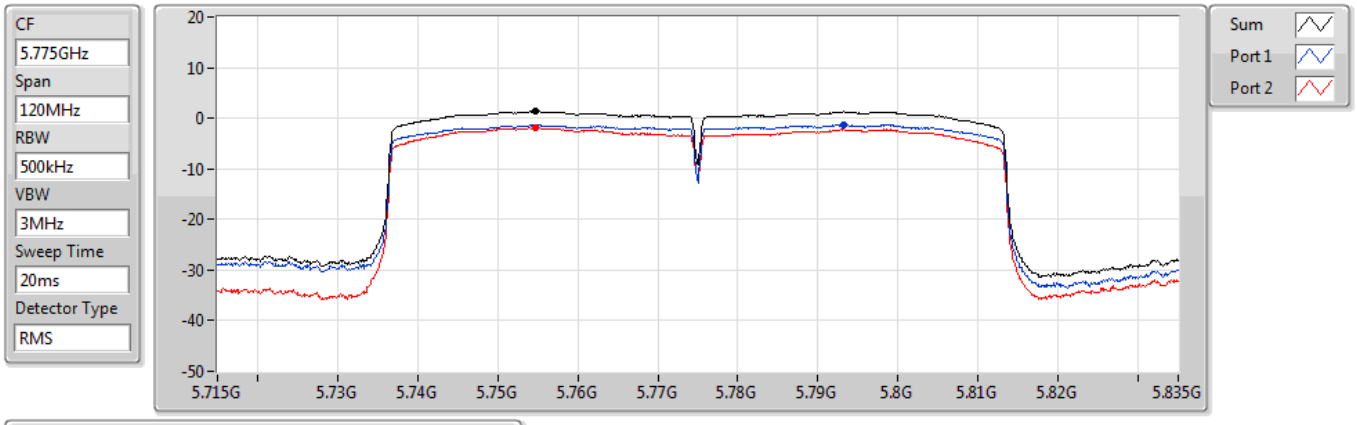


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.11	-3.11	-6.52	-5.72

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz

01/09/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.37	1.37	-1.29	-1.86

Summary

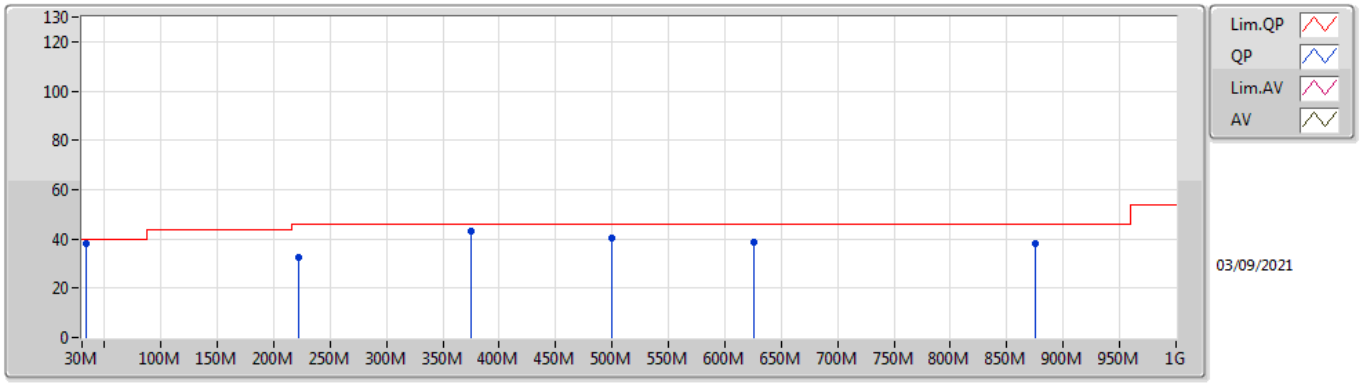
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	QP	375.32M	44.48	46.00	-1.52	3	Horizontal	360	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	222.06M	32.70	46.00	-13.30	3	Vertical	0	1.00	-
5775MHz	Pass	PK	499.48M	40.37	46.00	-5.63	3	Vertical	0	1.00	-
5775MHz	Pass	PK	625.58M	38.72	46.00	-7.28	3	Vertical	0	1.00	-
5775MHz	Pass	PK	875.84M	38.09	46.00	-7.91	3	Vertical	0	1.00	-
5775MHz	Pass	QP	33.88M	37.85	40.00	-2.15	3	Vertical	0	1.00	-
5775MHz	Pass	QP	375.32M	43.15	46.00	-2.85	3	Vertical	0	1.00	-
5775MHz	Pass	PK	132.82M	38.58	43.50	-4.92	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	222.06M	42.45	46.00	-3.55	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	249.22M	41.71	46.00	-4.29	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	282.2M	41.12	46.00	-4.88	3	Horizontal	360	1.00	-
5775MHz	Pass	QP	375.32M	44.48	46.00	-1.52	3	Horizontal	360	1.00	-
5775MHz	Pass	QP	875.84M	43.89	46.00	-2.11	3	Horizontal	360	1.00	-

802.11ax HEW80_Nss1,(MCS0)_2TX

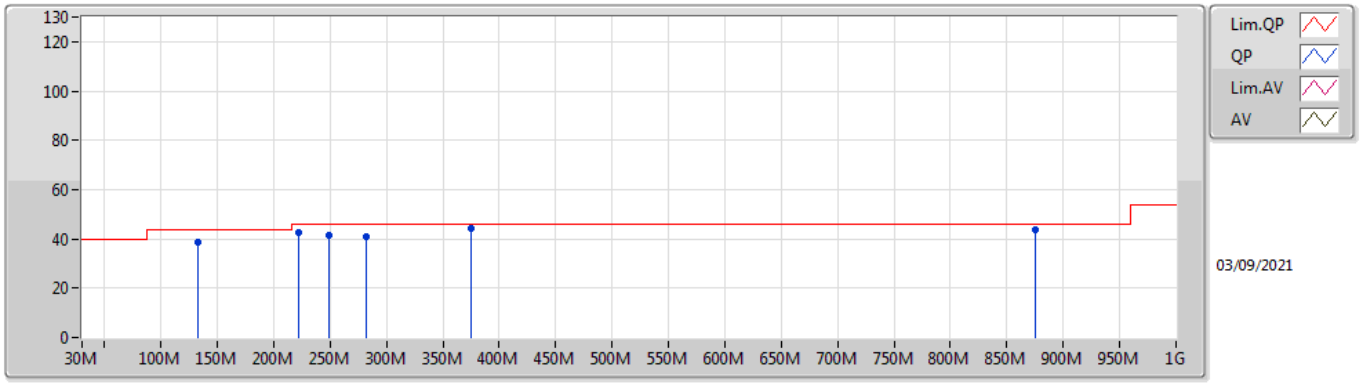
5775MHz_Adapter



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	222.06M	32.70	46.00	-13.30	-10.60	3	Vertical	0	1.00	-	43.30	14.55	2.04	27.19
PK	499.48M	40.37	46.00	-5.63	-2.49	3	Vertical	0	1.00	-	42.86	22.78	3.08	28.35
PK	625.58M	38.72	46.00	-7.28	-0.56	3	Vertical	0	1.00	-	39.28	24.34	3.41	28.31
PK	875.84M	38.09	46.00	-7.91	2.04	3	Vertical	0	1.00	-	36.05	25.60	4.05	27.61
QP	33.88M	37.85	40.00	-2.15	-4.95	3	Vertical	0	1.00	-	42.80	21.26	0.90	27.11
QP	375.32M	43.15	46.00	-2.85	-4.80	3	Vertical	0	1.00	-	47.95	20.11	2.65	27.56

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_Adapter



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	132.82M	38.58	43.50	-4.92	-9.17	3	Horizontal	360	1.00	-	47.75	16.90	1.60	27.67
PK	222.06M	42.45	46.00	-3.55	-10.60	3	Horizontal	360	1.00	-	53.05	14.55	2.04	27.19
PK	249.22M	41.71	46.00	-4.29	-7.42	3	Horizontal	360	1.00	-	49.13	17.45	2.15	27.02
PK	282.2M	41.12	46.00	-4.88	-6.67	3	Horizontal	360	1.00	-	47.79	18.09	2.29	27.05
QP	375.32M	44.48	46.00	-1.52	-4.80	3	Horizontal	360	1.00	-	49.28	20.11	2.65	27.56
QP	875.84M	43.89	46.00	-2.11	2.04	3	Horizontal	360	1.00	-	41.85	25.60	4.05	27.61

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	15.7166G	53.68	54.00	-0.32	3	Vertical	11	1.75	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	5.15G	73.61	74.00	-0.39	3	Vertical	26	1.49	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.15G	53.65	54.00	-0.35	3	Vertical	339	1.50	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.145G	53.49	54.00	-0.51	3	Vertical	336	1.38	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	17.23122G	68.04	68.20	-0.16	3	Vertical	10	1.96	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	17.47638G	68.12	68.20	-0.08	3	Vertical	16	1.80	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	17.2626G	68.00	68.20	-0.20	3	Vertical	15	1.00	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.6514G	68.90	69.24	-0.34	3	Vertical	150	1.61	-

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	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	53.66	54.00	-0.34	3	Vertical	348	1.49	-
5180MHz	Pass	AV	5.1806G	108.97	Inf	-Inf	3	Vertical	348	1.49	-
5180MHz	Pass	PK	5.1446G	71.27	74.00	-2.73	3	Vertical	348	1.49	-
5180MHz	Pass	PK	5.1758G	118.09	Inf	-Inf	3	Vertical	348	1.49	-
5180MHz	Pass	AV	5.1476G	44.69	54.00	-9.31	3	Horizontal	291	1.50	-
5180MHz	Pass	AV	5.183G	96.45	Inf	-Inf	3	Horizontal	291	1.50	-
5180MHz	Pass	PK	5.1488G	58.91	74.00	-15.09	3	Horizontal	291	1.50	-
5180MHz	Pass	PK	5.1782G	105.42	Inf	-Inf	3	Horizontal	291	1.50	-
5180MHz	Pass	AV	15.54152G	49.54	54.00	-4.46	3	Vertical	4	1.63	-
5180MHz	Pass	PK	10.3598G	62.26	68.20	-5.94	3	Vertical	347	2.84	-
5180MHz	Pass	PK	15.53104G	65.02	74.00	-8.98	3	Vertical	4	1.63	-
5180MHz	Pass	AV	15.54172G	46.24	54.00	-7.76	3	Horizontal	331	2.13	-
5180MHz	Pass	PK	10.36036G	58.61	68.20	-9.59	3	Horizontal	296	2.05	-
5180MHz	Pass	PK	15.531G	60.82	74.00	-13.18	3	Horizontal	331	2.13	-
5200MHz	Pass	AV	5.1208G	48.05	54.00	-5.95	3	Vertical	345	1.55	-
5200MHz	Pass	AV	5.206G	110.28	Inf	-Inf	3	Vertical	345	1.55	-
5200MHz	Pass	AV	5.35G	43.31	54.00	-10.69	3	Vertical	345	1.55	-
5200MHz	Pass	PK	5.15G	61.66	74.00	-12.34	3	Vertical	345	1.55	-
5200MHz	Pass	PK	5.2054G	119.45	Inf	-Inf	3	Vertical	345	1.55	-
5200MHz	Pass	PK	5.35G	54.06	74.00	-19.94	3	Vertical	345	1.55	-
5200MHz	Pass	AV	5.1184G	44.13	54.00	-9.87	3	Horizontal	288	1.45	-
5200MHz	Pass	AV	5.1988G	97.48	Inf	-Inf	3	Horizontal	288	1.45	-
5200MHz	Pass	AV	5.35G	42.17	54.00	-11.83	3	Horizontal	288	1.45	-
5200MHz	Pass	PK	5.1196G	56.87	74.00	-17.13	3	Horizontal	288	1.45	-
5200MHz	Pass	PK	5.1988G	106.69	Inf	-Inf	3	Horizontal	288	1.45	-
5200MHz	Pass	PK	5.35G	53.83	74.00	-20.17	3	Horizontal	288	1.45	-
5200MHz	Pass	AV	15.59906G	53.33	54.00	-0.67	3	Vertical	4	1.69	-
5200MHz	Pass	PK	10.39982G	63.12	68.20	-5.08	3	Vertical	346	2.87	-
5200MHz	Pass	PK	15.5988G	67.49	74.00	-6.51	3	Vertical	4	1.69	-
5200MHz	Pass	AV	15.59908G	49.06	54.00	-4.94	3	Horizontal	332	2.11	-
5200MHz	Pass	PK	10.40028G	59.92	68.20	-8.28	3	Horizontal	296	2.04	-
5200MHz	Pass	PK	15.5987G	62.62	74.00	-11.38	3	Horizontal	332	2.11	-
5240MHz	Pass	AV	5.1092G	44.69	54.00	-9.31	3	Vertical	347	1.50	-
5240MHz	Pass	AV	5.243G	109.21	Inf	-Inf	3	Vertical	347	1.50	-
5240MHz	Pass	AV	5.3504G	45.73	54.00	-8.27	3	Vertical	347	1.50	-
5240MHz	Pass	PK	5.1122G	57.42	74.00	-16.58	3	Vertical	347	1.50	-
5240MHz	Pass	PK	5.2382G	118.20	Inf	-Inf	3	Vertical	347	1.50	-
5240MHz	Pass	PK	5.351G	57.25	74.00	-16.75	3	Vertical	347	1.50	-
5240MHz	Pass	AV	5.1014G	43.81	54.00	-10.19	3	Horizontal	288	1.62	-
5240MHz	Pass	AV	5.2406G	99.54	Inf	-Inf	3	Horizontal	288	1.62	-
5240MHz	Pass	AV	5.3696G	42.29	54.00	-11.71	3	Horizontal	288	1.62	-
5240MHz	Pass	PK	5.117G	56.15	74.00	-17.85	3	Horizontal	288	1.62	-
5240MHz	Pass	PK	5.2364G	108.84	Inf	-Inf	3	Horizontal	288	1.62	-
5240MHz	Pass	PK	5.3594G	54.74	74.00	-19.26	3	Horizontal	288	1.62	-
5240MHz	Pass	AV	15.7166G	53.68	54.00	-0.32	3	Vertical	11	1.75	-
5240MHz	Pass	PK	10.48018G	61.65	68.20	-6.55	3	Vertical	348	3.00	-
5240MHz	Pass	PK	15.722G	68.98	74.00	-5.02	3	Vertical	11	1.75	-
5240MHz	Pass	AV	15.71658G	50.50	54.00	-3.50	3	Horizontal	42	2.02	-
5240MHz	Pass	PK	10.48024G	57.79	68.20	-10.41	3	Horizontal	179	1.93	-
5240MHz	Pass	PK	15.72138G	65.23	74.00	-8.77	3	Horizontal	42	2.02	-
5745MHz	Pass	AV	5.751G	108.43	Inf	-Inf	3	Vertical	178	1.63	-
5745MHz	Pass	PK	5.6094G	56.96	68.20	-11.24	3	Vertical	178	1.63	-
5745MHz	Pass	PK	5.7414G	117.98	Inf	-Inf	3	Vertical	178	1.63	-
5745MHz	Pass	PK	5.9406G	57.62	68.20	-10.58	3	Vertical	178	1.63	-
5745MHz	Pass	AV	5.7402G	97.21	Inf	-Inf	3	Horizontal	272	1.84	-
5745MHz	Pass	PK	5.517G	55.96	68.20	-12.24	3	Horizontal	272	1.84	-
5745MHz	Pass	PK	5.7498G	106.50	Inf	-Inf	3	Horizontal	272	1.84	-
5745MHz	Pass	PK	6.009G	56.99	68.20	-11.21	3	Horizontal	272	1.84	-
5745MHz	Pass	AV	11.49006G	46.09	54.00	-7.91	3	Vertical	330	2.92	-
5745MHz	Pass	PK	11.49156G	59.59	74.00	-14.41	3	Vertical	330	2.92	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5745MHz	Pass	PK	17.23122G	68.04	68.20	-0.16	3	Vertical	10	1.96	-
5745MHz	Pass	AV	11.49126G	46.69	54.00	-7.31	3	Horizontal	334	2.24	-
5745MHz	Pass	PK	11.4918G	60.27	74.00	-13.73	3	Horizontal	334	2.24	-
5745MHz	Pass	PK	17.23314G	64.50	68.20	-3.70	3	Horizontal	39	1.78	-
5785MHz	Pass	AV	5.7862G	107.53	Inf	-Inf	3	Vertical	179	1.58	-
5785MHz	Pass	PK	5.6242G	57.31	68.20	-10.89	3	Vertical	179	1.58	-
5785MHz	Pass	PK	5.7814G	116.85	Inf	-Inf	3	Vertical	179	1.58	-
5785MHz	Pass	PK	6.0514G	58.04	68.20	-10.16	3	Vertical	179	1.58	-
5785MHz	Pass	AV	5.791G	95.32	Inf	-Inf	3	Horizontal	313	1.50	-
5785MHz	Pass	PK	5.5762G	56.75	68.20	-11.45	3	Horizontal	313	1.50	-
5785MHz	Pass	PK	5.7814G	104.52	Inf	-Inf	3	Horizontal	313	1.50	-
5785MHz	Pass	PK	5.9734G	57.73	68.20	-10.47	3	Horizontal	313	1.50	-
5785MHz	Pass	AV	11.57024G	44.77	54.00	-9.23	3	Vertical	317	1.72	-
5785MHz	Pass	PK	11.5718G	57.59	74.00	-16.41	3	Vertical	317	1.72	-
5785MHz	Pass	PK	17.35872G	68.02	68.20	-0.18	3	Vertical	18	1.83	-
5785MHz	Pass	AV	11.57G	43.64	54.00	-10.36	3	Horizontal	77	2.87	-
5785MHz	Pass	PK	11.5646G	56.61	74.00	-17.39	3	Horizontal	77	2.87	-
5785MHz	Pass	PK	17.34858G	64.53	68.20	-3.67	3	Horizontal	36	2.04	-
5825MHz	Pass	AV	5.8262G	107.56	Inf	-Inf	3	Vertical	178	1.50	-
5825MHz	Pass	PK	5.615G	56.72	68.20	-11.48	3	Vertical	178	1.50	-
5825MHz	Pass	PK	5.8262G	116.29	Inf	-Inf	3	Vertical	178	1.50	-
5825MHz	Pass	PK	5.9678G	58.36	68.20	-9.84	3	Vertical	178	1.50	-
5825MHz	Pass	AV	5.8298G	96.19	Inf	-Inf	3	Horizontal	248	1.54	-
5825MHz	Pass	PK	5.591G	55.96	68.20	-12.24	3	Horizontal	248	1.54	-
5825MHz	Pass	PK	5.8298G	105.03	Inf	-Inf	3	Horizontal	248	1.54	-
5825MHz	Pass	PK	5.9762G	57.46	68.20	-10.74	3	Horizontal	248	1.54	-
5825MHz	Pass	AV	11.6512G	44.77	54.00	-9.23	3	Vertical	313	2.90	-
5825MHz	Pass	PK	11.65102G	57.78	74.00	-16.22	3	Vertical	313	2.90	-
5825MHz	Pass	PK	17.47374G	67.79	68.20	-0.41	3	Vertical	15	1.75	-
5825MHz	Pass	AV	11.6521G	44.36	54.00	-9.64	3	Horizontal	82	1.84	-
5825MHz	Pass	PK	11.6521G	57.88	74.00	-16.12	3	Horizontal	82	1.84	-
5825MHz	Pass	PK	17.47404G	65.51	68.20	-2.69	3	Horizontal	12	2.10	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	53.17	54.00	-0.83	3	Vertical	338	1.50	-
5180MHz	Pass	AV	5.177G	107.29	Inf	-Inf	3	Vertical	338	1.50	-
5180MHz	Pass	PK	5.1452G	71.40	74.00	-2.60	3	Vertical	338	1.50	-
5180MHz	Pass	PK	5.1752G	117.07	Inf	-Inf	3	Vertical	338	1.50	-
5180MHz	Pass	AV	5.15G	45.05	54.00	-8.95	3	Horizontal	288	1.50	-
5180MHz	Pass	AV	5.1854G	96.90	Inf	-Inf	3	Horizontal	288	1.50	-
5180MHz	Pass	PK	5.15G	59.06	74.00	-14.94	3	Horizontal	288	1.50	-
5180MHz	Pass	PK	5.183G	106.32	Inf	-Inf	3	Horizontal	288	1.50	-
5180MHz	Pass	AV	15.54245G	46.63	54.00	-7.37	3	Vertical	221	1.28	-
5180MHz	Pass	PK	10.3596G	61.80	68.20	-6.40	3	Vertical	2	2.33	-
5180MHz	Pass	PK	15.54108G	62.36	74.00	-11.64	3	Vertical	221	1.28	-
5180MHz	Pass	AV	15.54241G	44.29	54.00	-9.71	3	Horizontal	333	1.00	-
5180MHz	Pass	PK	10.35971G	58.58	68.20	-9.62	3	Horizontal	329	1.02	-
5180MHz	Pass	PK	15.54217G	59.38	74.00	-14.62	3	Horizontal	333	1.00	-
5200MHz	Pass	AV	5.15G	50.70	54.00	-3.30	3	Vertical	26	1.49	-
5200MHz	Pass	AV	5.1944G	110.87	Inf	-Inf	3	Vertical	26	1.49	-
5200MHz	Pass	PK	5.15G	73.61	74.00	-0.39	3	Vertical	26	1.49	-
5200MHz	Pass	PK	5.1952G	120.49	Inf	-Inf	3	Vertical	26	1.49	-
5200MHz	Pass	AV	5.1136G	44.23	54.00	-9.77	3	Horizontal	289	1.50	-
5200MHz	Pass	AV	5.2052G	100.34	Inf	-Inf	3	Horizontal	289	1.50	-
5200MHz	Pass	PK	5.1416G	57.49	74.00	-16.51	3	Horizontal	289	1.50	-
5200MHz	Pass	PK	5.2044G	109.43	Inf	-Inf	3	Horizontal	289	1.50	-
5200MHz	Pass	AV	15.60054G	51.78	54.00	-2.22	3	Vertical	3	1.91	-
5200MHz	Pass	PK	10.39808G	63.95	68.20	-4.25	3	Vertical	346	1.54	-
5200MHz	Pass	PK	15.60612G	67.48	74.00	-6.52	3	Vertical	3	1.91	-
5200MHz	Pass	AV	15.60396G	48.69	54.00	-5.31	3	Horizontal	318	3.00	-
5200MHz	Pass	PK	10.40894G	56.57	68.20	-11.63	3	Horizontal	161	2.40	-
5200MHz	Pass	PK	15.60924G	64.77	74.00	-9.23	3	Horizontal	318	3.00	-
5240MHz	Pass	AV	5.1074G	44.69	54.00	-9.31	3	Vertical	339	1.50	-

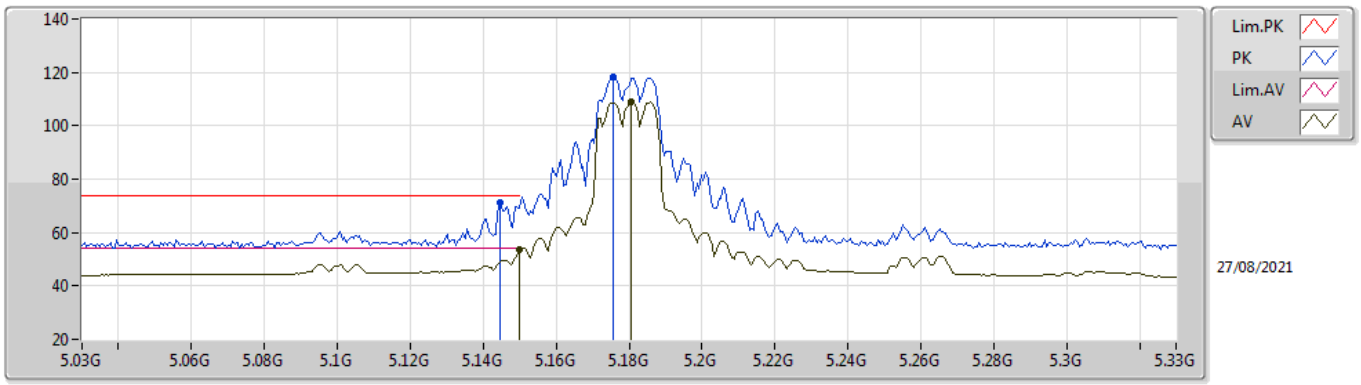
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5240MHz	Pass	AV	5.237G	110.74	Inf	-Inf	3	Vertical	339	1.50	-
5240MHz	Pass	AV	5.3522G	46.72	54.00	-7.28	3	Vertical	339	1.50	-
5240MHz	Pass	PK	5.1128G	58.43	74.00	-15.57	3	Vertical	339	1.50	-
5240MHz	Pass	PK	5.2442G	119.97	Inf	-Inf	3	Vertical	339	1.50	-
5240MHz	Pass	PK	5.3516G	59.28	74.00	-14.72	3	Vertical	339	1.50	-
5240MHz	Pass	AV	5.1002G	43.82	54.00	-10.18	3	Horizontal	289	1.64	-
5240MHz	Pass	AV	5.237G	100.29	Inf	-Inf	3	Horizontal	289	1.64	-
5240MHz	Pass	AV	5.3756G	42.28	54.00	-11.72	3	Horizontal	289	1.64	-
5240MHz	Pass	PK	5.1416G	56.38	74.00	-17.62	3	Horizontal	289	1.64	-
5240MHz	Pass	PK	5.237G	109.42	Inf	-Inf	3	Horizontal	289	1.64	-
5240MHz	Pass	PK	5.3546G	55.47	74.00	-18.53	3	Horizontal	289	1.64	-
5240MHz	Pass	AV	15.71556G	51.68	54.00	-2.32	3	Vertical	17	1.19	-
5240MHz	Pass	PK	10.47826G	62.55	68.20	-5.65	3	Vertical	346	2.91	-
5240MHz	Pass	PK	15.7266G	66.28	74.00	-7.72	3	Vertical	17	1.19	-
5240MHz	Pass	AV	15.71586G	49.54	54.00	-4.46	3	Horizontal	319	3.00	-
5240MHz	Pass	PK	10.4758G	56.65	68.20	-11.55	3	Horizontal	249	2.22	-
5240MHz	Pass	PK	15.7173G	64.17	74.00	-9.83	3	Horizontal	319	3.00	-
5745MHz	Pass	AV	5.739G	106.69	Inf	-Inf	3	Vertical	188	1.62	-
5745MHz	Pass	PK	5.589G	57.61	68.20	-10.59	3	Vertical	188	1.62	-
5745MHz	Pass	PK	5.7402G	116.93	Inf	-Inf	3	Vertical	188	1.62	-
5745MHz	Pass	PK	5.9898G	58.09	68.20	-10.11	3	Vertical	188	1.62	-
5745MHz	Pass	AV	5.739G	93.66	Inf	-Inf	3	Horizontal	79	1.45	-
5745MHz	Pass	PK	5.4978G	56.85	68.20	-11.35	3	Horizontal	79	1.45	-
5745MHz	Pass	PK	5.7402G	102.96	Inf	-Inf	3	Horizontal	79	1.45	-
5745MHz	Pass	PK	6.009G	58.20	68.20	-10.00	3	Horizontal	79	1.45	-
5745MHz	Pass	AV	11.48988G	44.53	54.00	-9.47	3	Vertical	318	2.94	-
5745MHz	Pass	PK	11.48796G	58.90	74.00	-15.10	3	Vertical	318	2.94	-
5745MHz	Pass	PK	17.23588G	68.02	68.20	-0.18	3	Vertical	11	1.87	-
5745MHz	Pass	AV	11.49G	45.00	54.00	-9.00	3	Horizontal	335	1.96	-
5745MHz	Pass	PK	11.48934G	58.52	74.00	-15.48	3	Horizontal	335	1.96	-
5745MHz	Pass	PK	17.23G	62.85	68.20	-5.35	3	Horizontal	357	2.01	-
5785MHz	Pass	AV	5.7874G	107.52	Inf	-Inf	3	Vertical	187	1.66	-
5785MHz	Pass	PK	5.6302G	57.89	68.20	-10.31	3	Vertical	187	1.66	-
5785MHz	Pass	PK	5.7802G	116.86	Inf	-Inf	3	Vertical	187	1.66	-
5785MHz	Pass	PK	5.9458G	60.51	68.20	-7.69	3	Vertical	187	1.66	-
5785MHz	Pass	AV	5.7898G	95.13	Inf	-Inf	3	Horizontal	79	1.44	-
5785MHz	Pass	PK	5.5402G	56.43	68.20	-11.77	3	Horizontal	79	1.44	-
5785MHz	Pass	PK	5.779G	104.44	Inf	-Inf	3	Horizontal	79	1.44	-
5785MHz	Pass	PK	5.947G	57.79	68.20	-10.41	3	Horizontal	79	1.44	-
5785MHz	Pass	AV	11.56992G	44.51	54.00	-9.49	3	Vertical	319	2.94	-
5785MHz	Pass	PK	11.56914G	58.90	74.00	-15.10	3	Vertical	319	2.94	-
5785MHz	Pass	PK	17.35862G	67.83	68.20	-0.37	3	Vertical	14	1.10	-
5785MHz	Pass	AV	11.56986G	44.86	54.00	-9.14	3	Horizontal	338	2.02	-
5785MHz	Pass	PK	11.56912G	58.94	74.00	-15.06	3	Horizontal	338	2.02	-
5785MHz	Pass	PK	17.35582G	65.90	68.20	-2.30	3	Horizontal	54	1.68	-
5825MHz	Pass	AV	5.8226G	106.02	Inf	-Inf	3	Vertical	184	1.70	-
5825MHz	Pass	PK	5.5658G	57.38	68.20	-10.82	3	Vertical	184	1.70	-
5825MHz	Pass	PK	5.8202G	116.18	Inf	-Inf	3	Vertical	184	1.70	-
5825MHz	Pass	PK	5.9834G	59.76	68.20	-8.44	3	Vertical	184	1.70	-
5825MHz	Pass	AV	5.8274G	93.16	Inf	-Inf	3	Horizontal	80	1.50	-
5825MHz	Pass	PK	5.6354G	56.09	68.20	-12.11	3	Horizontal	80	1.50	-
5825MHz	Pass	PK	5.8202G	102.88	Inf	-Inf	3	Horizontal	80	1.50	-
5825MHz	Pass	PK	5.9354G	57.87	68.20	-10.33	3	Horizontal	80	1.50	-
5825MHz	Pass	AV	11.64984G	43.94	54.00	-10.06	3	Vertical	323	1.84	-
5825MHz	Pass	PK	11.65424G	57.77	74.00	-16.23	3	Vertical	323	1.84	-
5825MHz	Pass	PK	17.47638G	68.12	68.20	-0.08	3	Vertical	16	1.80	-
5825MHz	Pass	AV	11.64984G	43.36	54.00	-10.64	3	Horizontal	27	1.89	-
5825MHz	Pass	PK	11.65156G	57.50	74.00	-16.50	3	Horizontal	27	1.89	-
5825MHz	Pass	PK	17.47246G	62.49	68.20	-5.71	3	Horizontal	170	1.50	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1492G	53.52	54.00	-0.48	3	Vertical	33	1.50	-
5190MHz	Pass	AV	5.1918G	102.45	Inf	-Inf	3	Vertical	33	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5190MHz	Pass	PK	5.1414G	70.30	74.00	-3.70	3	Vertical	33	1.50	-
5190MHz	Pass	PK	5.1966G	111.78	Inf	-Inf	3	Vertical	33	1.50	-
5190MHz	Pass	AV	5.1468G	44.23	54.00	-9.77	3	Horizontal	296	1.44	-
5190MHz	Pass	AV	5.1936G	92.12	Inf	-Inf	3	Horizontal	296	1.44	-
5190MHz	Pass	PK	5.1468G	57.10	74.00	-16.90	3	Horizontal	296	1.44	-
5190MHz	Pass	PK	5.1966G	101.37	Inf	-Inf	3	Horizontal	296	1.44	-
5190MHz	Pass	AV	15.5732G	44.38	54.00	-9.62	3	Vertical	8	1.75	-
5190MHz	Pass	PK	10.37986G	58.44	68.20	-9.76	3	Vertical	339	1.00	-
5190MHz	Pass	PK	15.5822G	57.68	74.00	-16.32	3	Vertical	8	1.75	-
5190MHz	Pass	AV	15.5714G	43.39	54.00	-10.61	3	Horizontal	0	2.07	-
5190MHz	Pass	PK	10.38128G	56.78	68.20	-11.42	3	Horizontal	346	2.95	-
5190MHz	Pass	PK	15.5664G	57.29	74.00	-16.71	3	Horizontal	0	2.07	-
5230MHz	Pass	AV	5.15G	53.65	54.00	-0.35	3	Vertical	339	1.50	-
5230MHz	Pass	AV	5.2354G	108.07	Inf	-Inf	3	Vertical	339	1.50	-
5230MHz	Pass	AV	5.35G	48.13	54.00	-5.87	3	Vertical	339	1.50	-
5230MHz	Pass	PK	5.1478G	71.02	74.00	-2.98	3	Vertical	339	1.50	-
5230MHz	Pass	PK	5.2366G	117.42	Inf	-Inf	3	Vertical	339	1.50	-
5230MHz	Pass	PK	5.3518G	67.32	74.00	-6.68	3	Vertical	339	1.50	-
5230MHz	Pass	AV	5.15G	44.55	54.00	-9.45	3	Horizontal	285	1.50	-
5230MHz	Pass	AV	5.2378G	95.63	Inf	-Inf	3	Horizontal	285	1.50	-
5230MHz	Pass	AV	5.3524G	42.64	54.00	-11.36	3	Horizontal	285	1.50	-
5230MHz	Pass	PK	5.0836G	57.24	74.00	-16.76	3	Horizontal	285	1.50	-
5230MHz	Pass	PK	5.236G	104.62	Inf	-Inf	3	Horizontal	285	1.50	-
5230MHz	Pass	PK	5.3764G	55.66	74.00	-18.34	3	Horizontal	285	1.50	-
5230MHz	Pass	AV	15.69348G	48.82	54.00	-5.18	3	Vertical	360	1.96	-
5230MHz	Pass	PK	10.46036G	60.38	68.20	-7.82	3	Vertical	351	2.92	-
5230MHz	Pass	PK	15.6909G	62.08	74.00	-11.92	3	Vertical	360	1.96	-
5230MHz	Pass	AV	15.6936G	46.07	54.00	-7.93	3	Horizontal	9	2.89	-
5230MHz	Pass	PK	10.46096G	58.93	68.20	-9.27	3	Horizontal	303	2.08	-
5230MHz	Pass	PK	15.68784G	59.72	74.00	-14.28	3	Horizontal	9	2.89	-
5755MHz	Pass	AV	5.7562G	108.11	Inf	-Inf	3	Vertical	186	1.66	-
5755MHz	Pass	PK	5.641G	67.71	68.20	-0.49	3	Vertical	186	1.66	-
5755MHz	Pass	PK	5.7526G	117.44	Inf	-Inf	3	Vertical	186	1.66	-
5755MHz	Pass	PK	5.9278G	62.31	68.20	-5.89	3	Vertical	186	1.66	-
5755MHz	Pass	AV	5.7586G	93.62	Inf	-Inf	3	Horizontal	77	1.50	-
5755MHz	Pass	PK	5.6482G	56.72	68.20	-11.48	3	Horizontal	77	1.50	-
5755MHz	Pass	PK	5.7586G	102.31	Inf	-Inf	3	Horizontal	77	1.50	-
5755MHz	Pass	PK	6.0094G	56.94	68.20	-11.26	3	Horizontal	77	1.50	-
5755MHz	Pass	AV	11.50992G	46.21	54.00	-7.79	3	Vertical	319	1.70	-
5755MHz	Pass	PK	11.51168G	58.09	74.00	-15.91	3	Vertical	319	1.70	-
5755MHz	Pass	PK	17.2626G	68.00	68.20	-0.20	3	Vertical	15	1.00	-
5755MHz	Pass	AV	11.51G	45.97	54.00	-8.03	3	Horizontal	332	1.76	-
5755MHz	Pass	PK	11.51024G	57.85	74.00	-16.15	3	Horizontal	332	1.76	-
5755MHz	Pass	PK	17.26308G	65.15	68.20	-3.05	3	Horizontal	0	1.78	-
5795MHz	Pass	AV	5.7962G	107.55	Inf	-Inf	3	Vertical	335	1.77	-
5795MHz	Pass	PK	5.6474G	58.49	68.20	-9.71	3	Vertical	335	1.77	-
5795MHz	Pass	PK	5.7926G	116.81	Inf	-Inf	3	Vertical	335	1.77	-
5795MHz	Pass	PK	5.939G	66.26	68.20	-1.94	3	Vertical	335	1.77	-
5795MHz	Pass	AV	5.7962G	95.64	Inf	-Inf	3	Horizontal	79	1.46	-
5795MHz	Pass	PK	5.5394G	55.99	68.20	-12.21	3	Horizontal	79	1.46	-
5795MHz	Pass	PK	5.7986G	104.35	Inf	-Inf	3	Horizontal	79	1.46	-
5795MHz	Pass	PK	5.9354G	57.42	68.20	-10.78	3	Horizontal	79	1.46	-
5795MHz	Pass	AV	11.58976G	45.32	54.00	-8.68	3	Vertical	319	1.76	-
5795MHz	Pass	PK	11.59472G	57.78	74.00	-16.22	3	Vertical	319	1.76	-
5795MHz	Pass	PK	17.40044G	67.85	68.20	-0.35	3	Vertical	13	1.00	-
5795MHz	Pass	AV	11.59008G	45.11	54.00	-8.89	3	Horizontal	331	1.96	-
5795MHz	Pass	PK	11.59072G	57.40	74.00	-16.60	3	Horizontal	331	1.96	-
5795MHz	Pass	PK	17.38804G	63.28	68.20	-4.92	3	Horizontal	0	1.81	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.145G	53.49	54.00	-0.51	3	Vertical	336	1.38	-
5210MHz	Pass	AV	5.233G	95.98	Inf	-Inf	3	Vertical	336	1.38	-
5210MHz	Pass	AV	5.351G	43.92	54.00	-10.08	3	Vertical	336	1.38	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5210MHz	Pass	PK	5.14G	67.00	74.00	-7.00	3	Vertical	336	1.38	-
5210MHz	Pass	PK	5.19G	106.13	Inf	-Inf	3	Vertical	336	1.38	-
5210MHz	Pass	PK	5.382G	56.64	74.00	-17.36	3	Vertical	336	1.38	-
5210MHz	Pass	AV	5.145G	46.46	54.00	-7.54	3	Horizontal	291	1.50	-
5210MHz	Pass	AV	5.187G	85.06	Inf	-Inf	3	Horizontal	291	1.50	-
5210MHz	Pass	AV	5.448G	43.17	54.00	-10.83	3	Horizontal	291	1.50	-
5210MHz	Pass	PK	5.146G	58.55	74.00	-15.45	3	Horizontal	291	1.50	-
5210MHz	Pass	PK	5.185G	95.08	Inf	-Inf	3	Horizontal	291	1.50	-
5210MHz	Pass	PK	5.436G	55.46	74.00	-18.54	3	Horizontal	291	1.50	-
5210MHz	Pass	AV	15.6249G	43.98	54.00	-10.02	3	Vertical	38	1.50	-
5210MHz	Pass	PK	10.41989G	57.62	68.20	-10.58	3	Vertical	326	1.00	-
5210MHz	Pass	PK	15.62604G	57.17	74.00	-16.83	3	Vertical	38	1.50	-
5210MHz	Pass	AV	15.63156G	44.22	54.00	-9.78	3	Horizontal	323	1.70	-
5210MHz	Pass	PK	10.42146G	56.20	68.20	-12.00	3	Horizontal	338	3.00	-
5210MHz	Pass	PK	15.62926G	57.16	74.00	-16.84	3	Horizontal	323	1.70	-
5775MHz	Pass	AV	5.751G	102.03	Inf	-Inf	3	Vertical	150	1.61	-
5775MHz	Pass	PK	5.6514G	68.90	69.24	-0.34	3	Vertical	150	1.61	-
5775MHz	Pass	PK	5.7558G	111.64	Inf	-Inf	3	Vertical	150	1.61	-
5775MHz	Pass	PK	5.9238G	67.39	69.09	-1.70	3	Vertical	150	1.61	-
5775MHz	Pass	AV	5.751G	92.09	Inf	-Inf	3	Horizontal	256	1.60	-
5775MHz	Pass	PK	5.619G	56.06	68.20	-12.14	3	Horizontal	256	1.60	-
5775MHz	Pass	PK	5.7534G	102.20	Inf	-Inf	3	Horizontal	256	1.60	-
5775MHz	Pass	PK	5.9286G	59.06	68.20	-9.14	3	Horizontal	256	1.60	-
5775MHz	Pass	AV	11.55001G	43.66	54.00	-10.34	3	Vertical	320	1.82	-
5775MHz	Pass	PK	11.54887G	57.77	74.00	-16.23	3	Vertical	320	1.82	-
5775MHz	Pass	PK	17.32567G	63.88	68.20	-4.32	3	Vertical	10	1.76	-
5775MHz	Pass	AV	11.54988G	43.73	54.00	-10.27	3	Horizontal	334	2.01	-
5775MHz	Pass	PK	11.55221G	57.10	74.00	-16.90	3	Horizontal	334	2.01	-
5775MHz	Pass	PK	17.31551G	60.20	68.20	-8.00	3	Horizontal	0	1.28	-

802.11a_Nss1,(6Mbps)_2TX

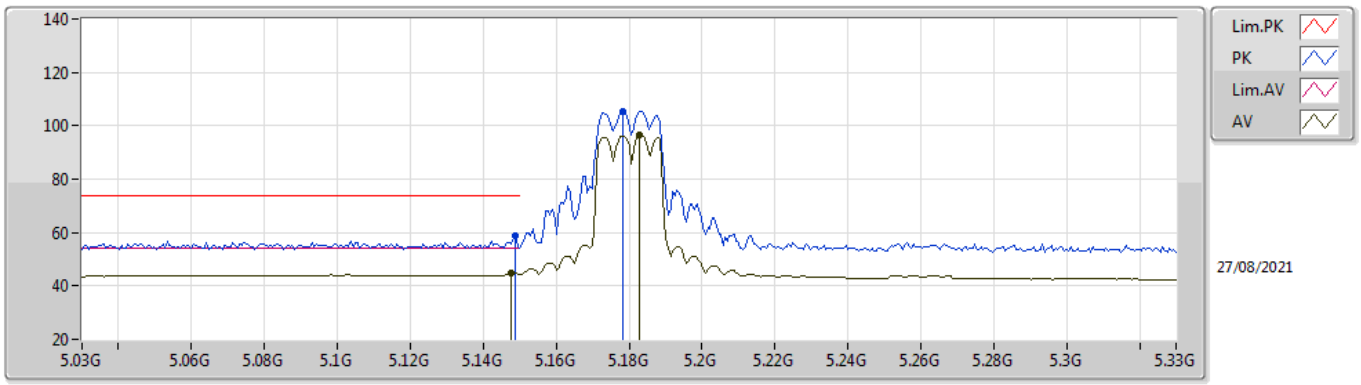
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	53.66	54.00	-0.34	4.01	3	Vertical	348	1.49	-	49.65	31.90	6.87	34.76
AV	5.1806G	108.97	Inf	-Inf	3.90	3	Vertical	348	1.49	-	105.07	31.78	6.88	34.76
PK	5.1446G	71.27	74.00	-2.73	4.01	3	Vertical	348	1.49	-	67.26	31.90	6.87	34.76
PK	5.1758G	118.09	Inf	-Inf	3.92	3	Vertical	348	1.49	-	114.17	31.80	6.88	34.76

802.11a_Nss1,(6Mbps)_2TX

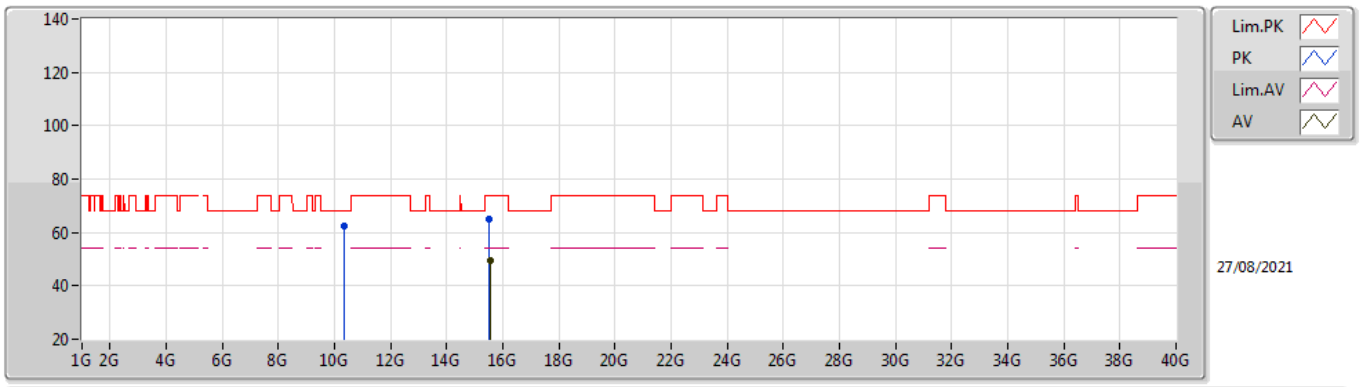
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1476G	44.69	54.00	-9.31	4.01	3	Horizontal	291	1.50	-	40.68	31.90	6.87	34.76
AV	5.183G	96.45	Inf	-Inf	3.89	3	Horizontal	291	1.50	-	92.56	31.77	6.88	34.76
PK	5.1488G	58.91	74.00	-15.09	4.01	3	Horizontal	291	1.50	-	54.90	31.90	6.87	34.76
PK	5.1782G	105.42	Inf	-Inf	3.91	3	Horizontal	291	1.50	-	101.51	31.79	6.88	34.76

802.11a_Nss1,(6Mbps)_2TX

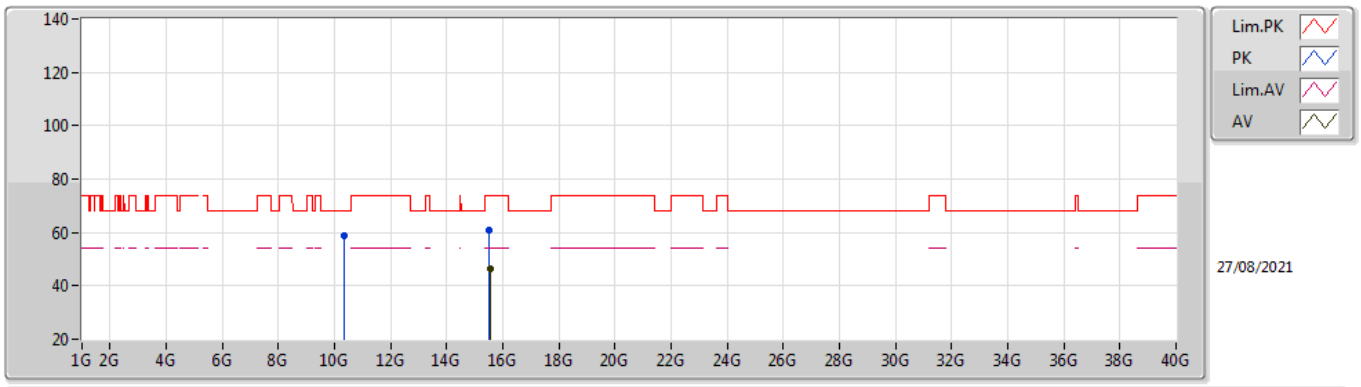
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.54152G	49.54	54.00	-4.46	15.41	3	Vertical	4	1.63	-	34.13	38.23	12.10	34.92
PK	10.3598G	62.26	68.20	-5.94	13.54	3	Vertical	347	2.84	-	48.72	39.58	8.99	35.03
PK	15.53104G	65.02	74.00	-8.98	15.45	3	Vertical	4	1.63	-	49.57	38.28	12.09	34.92

802.11a_Nss1,(6Mbps)_2TX

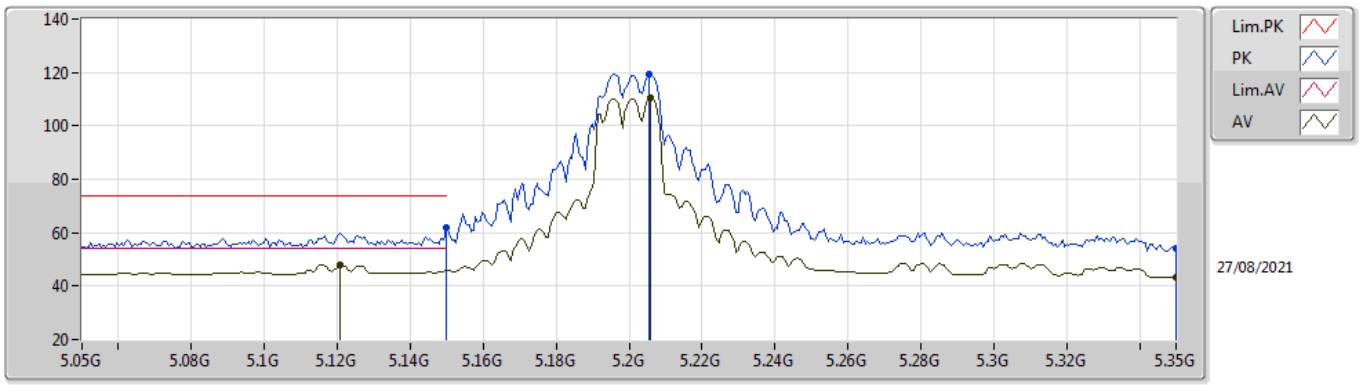
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.54172G	46.24	54.00	-7.76	15.41	3	Horizontal	331	2.13	-	30.83	38.23	12.10	34.92
PK	10.36036G	58.61	68.20	-9.59	13.54	3	Horizontal	296	2.05	-	45.07	39.58	8.99	35.03
PK	15.531G	60.82	74.00	-13.18	15.45	3	Horizontal	331	2.13	-	45.37	38.28	12.09	34.92

802.11a_Nss1,(6Mbps)_2TX

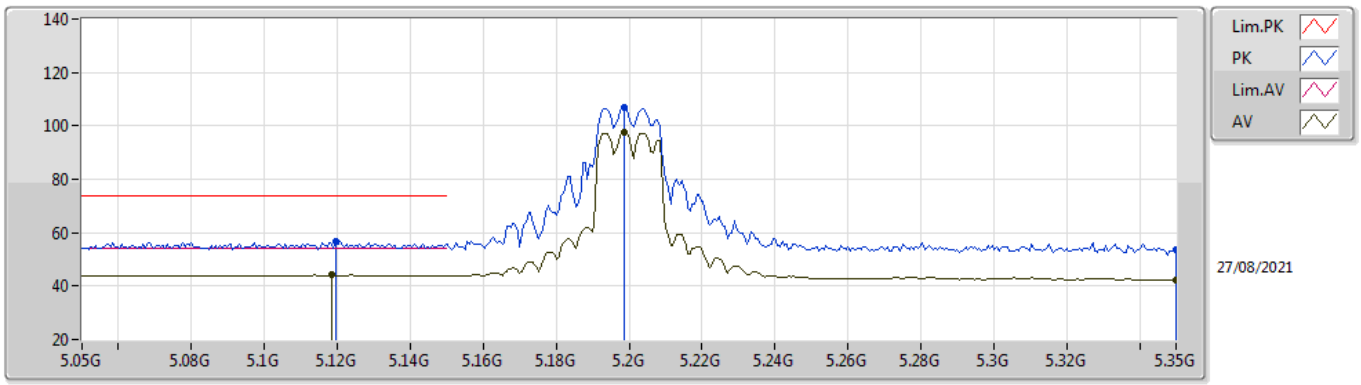
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1208G	48.05	54.00	-5.95	4.00	3	Vertical	345	1.55	-	44.05	31.90	6.86	34.76
AV	5.206G	110.28	Inf	-Inf	3.82	3	Vertical	345	1.55	-	106.46	31.68	6.90	34.76
AV	5.35G	43.31	54.00	-10.69	3.49	3	Vertical	345	1.55	-	39.82	31.20	7.06	34.77
PK	5.15G	61.66	74.00	-12.34	4.01	3	Vertical	345	1.55	-	57.65	31.90	6.87	34.76
PK	5.2054G	119.45	Inf	-Inf	3.82	3	Vertical	345	1.55	-	115.63	31.68	6.90	34.76
PK	5.35G	54.06	74.00	-19.94	3.49	3	Vertical	345	1.55	-	50.57	31.20	7.06	34.77

802.11a_Nss1,(6Mbps)_2TX

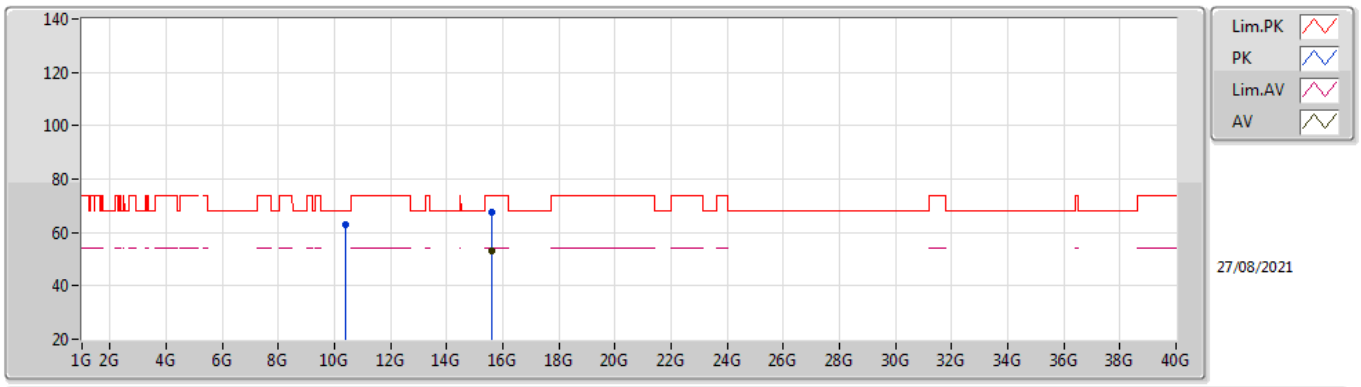
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1184G	44.13	54.00	-9.87	4.00	3	Horizontal	288	1.45	-	40.13	31.90	6.86	34.76
AV	5.1988G	97.48	Inf	-Inf	3.83	3	Horizontal	288	1.45	-	93.65	31.70	6.89	34.76
AV	5.35G	42.17	54.00	-11.83	3.49	3	Horizontal	288	1.45	-	38.68	31.20	7.06	34.77
PK	5.1196G	56.87	74.00	-17.13	4.00	3	Horizontal	288	1.45	-	52.87	31.90	6.86	34.76
PK	5.1988G	106.69	Inf	-Inf	3.83	3	Horizontal	288	1.45	-	102.86	31.70	6.89	34.76
PK	5.35G	53.83	74.00	-20.17	3.49	3	Horizontal	288	1.45	-	50.34	31.20	7.06	34.77

802.11a_Nss1,(6Mbps)_2TX

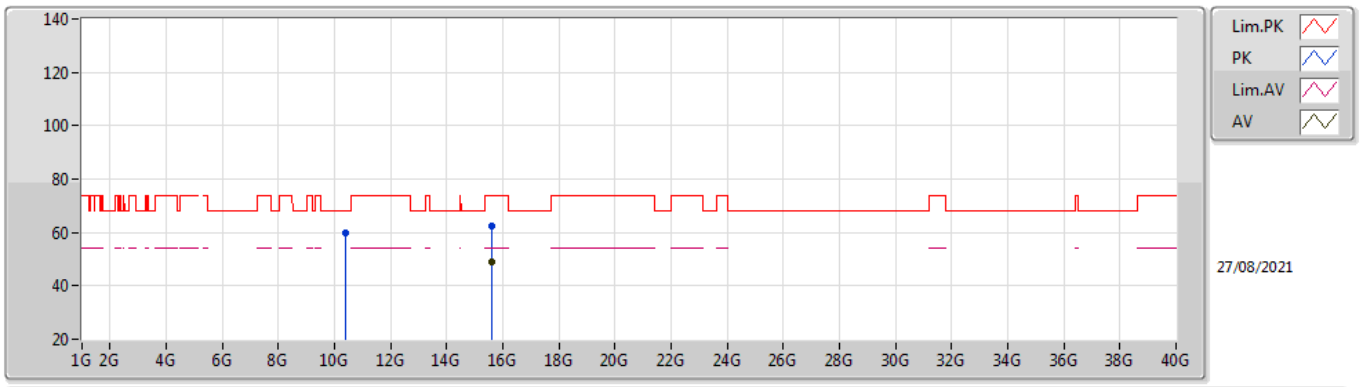
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.59906G	53.33	54.00	-0.67	15.20	3	Vertical	4	1.69	-	38.13	38.00	12.16	34.96
PK	10.39982G	63.12	68.20	-5.08	13.71	3	Vertical	346	2.87	-	49.41	39.70	9.00	34.99
PK	15.5988G	67.49	74.00	-6.51	15.20	3	Vertical	4	1.69	-	52.29	38.00	12.16	34.96

802.11a_Nss1,(6Mbps)_2TX

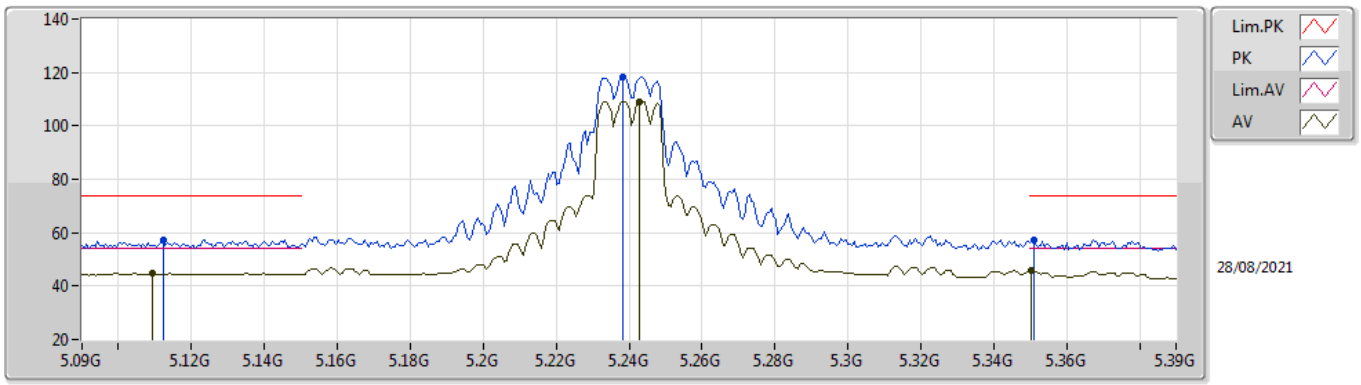
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.59908G	49.06	54.00	-4.94	15.20	3	Horizontal	332	2.11	-	33.86	38.00	12.16	34.96
PK	10.40028G	59.92	68.20	-8.28	13.71	3	Horizontal	296	2.04	-	46.21	39.70	9.00	34.99
PK	15.5987G	62.62	74.00	-11.38	15.21	3	Horizontal	332	2.11	-	47.41	38.01	12.16	34.96

802.11a_Nss1,(6Mbps)_2TX

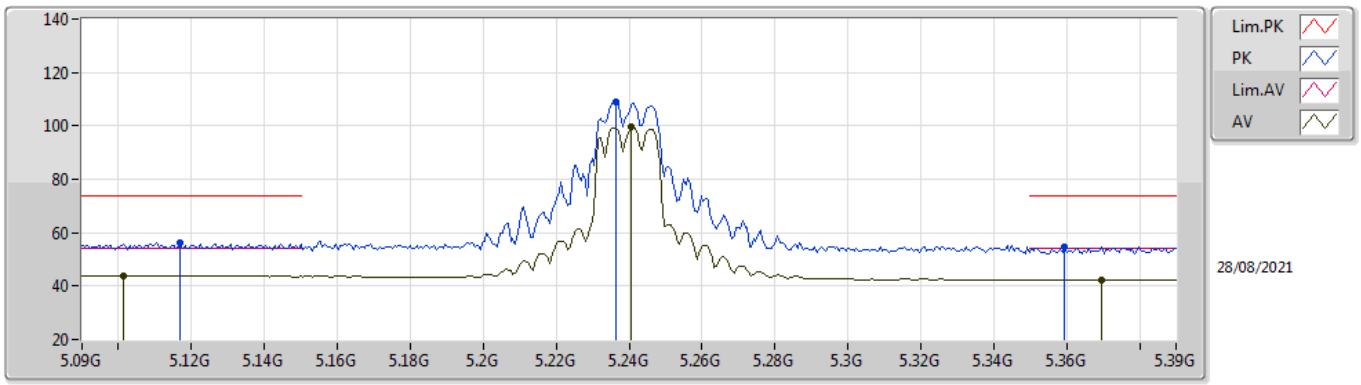
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1092G	44.69	54.00	-9.31	3.99	3	Vertical	347	1.50	-	40.70	31.90	6.85	34.76
AV	5.243G	109.21	Inf	-Inf	3.71	3	Vertical	347	1.50	-	105.50	31.53	6.94	34.76
AV	5.3504G	45.73	54.00	-8.27	3.49	3	Vertical	347	1.50	-	42.24	31.20	7.06	34.77
PK	5.1122G	57.42	74.00	-16.58	3.99	3	Vertical	347	1.50	-	53.43	31.90	6.85	34.76
PK	5.2382G	118.20	Inf	-Inf	3.72	3	Vertical	347	1.50	-	114.48	31.55	6.93	34.76
PK	5.351G	57.25	74.00	-16.75	3.49	3	Vertical	347	1.50	-	53.76	31.20	7.06	34.77

802.11a_Nss1,(6Mbps)_2TX

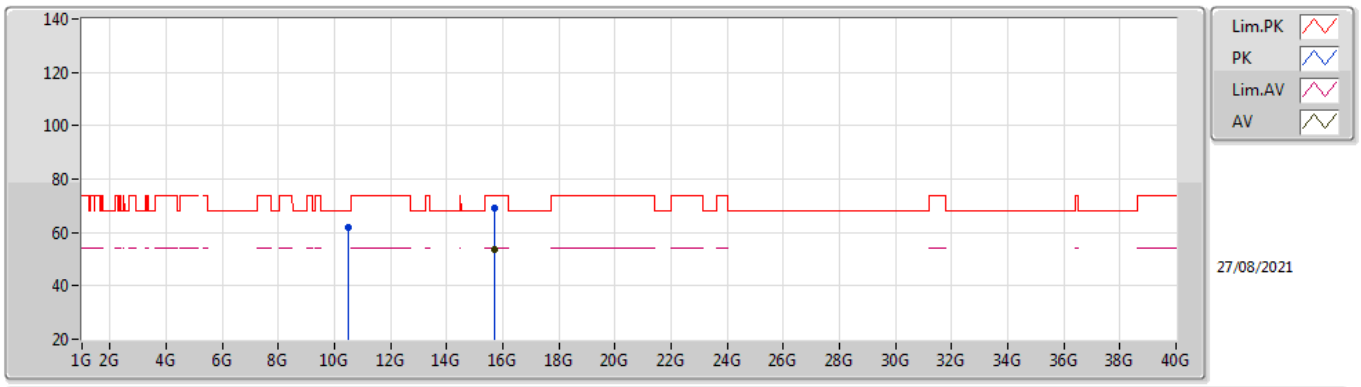
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1014G	43.81	54.00	-10.19	3.99	3	Horizontal	288	1.62	-	39.82	31.90	6.85	34.76
AV	5.2406G	99.54	Inf	-Inf	3.72	3	Horizontal	288	1.62	-	95.82	31.54	6.94	34.76
AV	5.3696G	42.29	54.00	-11.71	3.60	3	Horizontal	288	1.62	-	38.69	31.28	7.09	34.77
PK	5.117G	56.15	74.00	-17.85	4.00	3	Horizontal	288	1.62	-	52.15	31.90	6.86	34.76
PK	5.2364G	108.84	Inf	-Inf	3.72	3	Horizontal	288	1.62	-	105.12	31.55	6.93	34.76
PK	5.3594G	54.74	74.00	-19.26	3.54	3	Horizontal	288	1.62	-	51.20	31.24	7.07	34.77

802.11a_Nss1,(6Mbps)_2TX

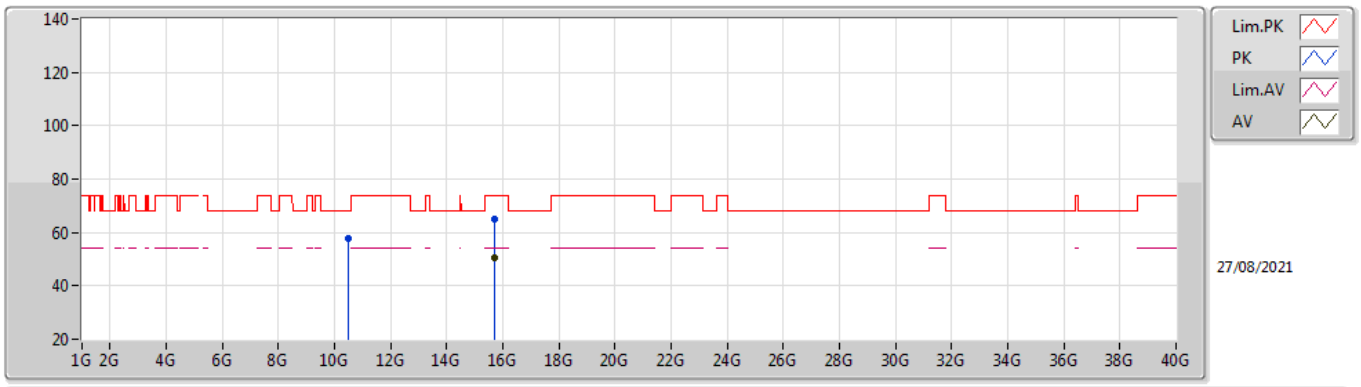
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.7166G	53.68	54.00	-0.32	14.93	3	Vertical	11	1.75	-	38.75	37.68	12.28	35.03
PK	10.48018G	61.65	68.20	-6.55	14.05	3	Vertical	348	3.00	-	47.60	39.94	9.03	34.92
PK	15.722G	68.98	74.00	-5.02	14.93	3	Vertical	11	1.75	-	54.05	37.68	12.28	35.03

802.11a_Nss1,(6Mbps)_2TX

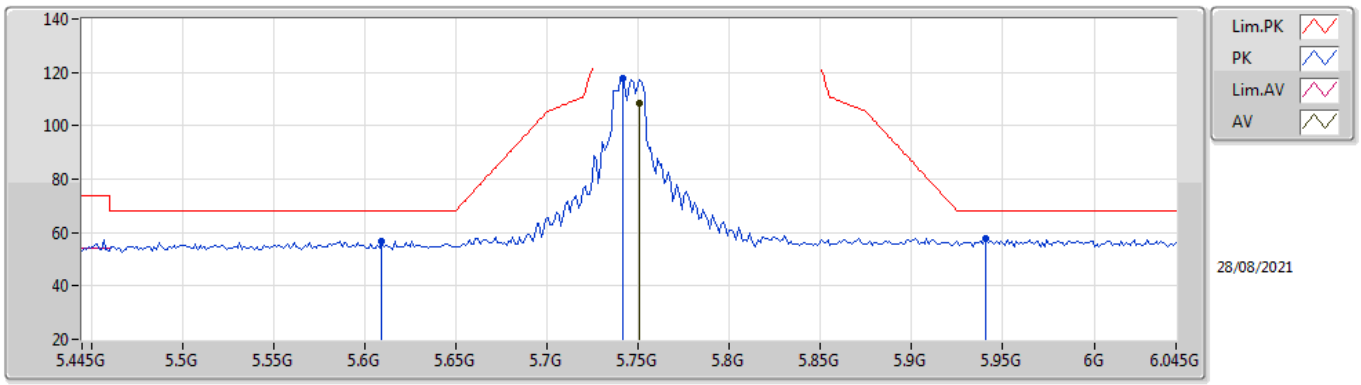
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.71658G	50.50	54.00	-3.50	14.93	3	Horizontal	42	2.02	-	35.57	37.68	12.28	35.03
PK	10.48024G	57.79	68.20	-10.41	14.05	3	Horizontal	179	1.93	-	43.74	39.94	9.03	34.92
PK	15.72138G	65.23	74.00	-8.77	14.93	3	Horizontal	42	2.02	-	50.30	37.68	12.28	35.03

802.11a_Nss1,(6Mbps)_2TX

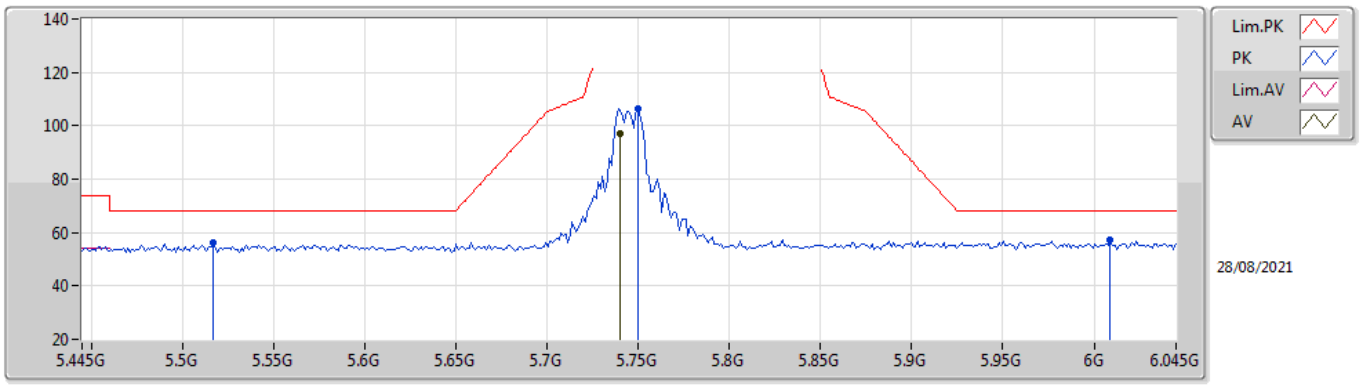
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.751G	108.43	Inf	-Inf	4.16	3	Vertical	178	1.63	-	104.27	32.00	6.93	34.77
PK	5.6094G	56.96	68.20	-11.24	3.92	3	Vertical	178	1.63	-	53.04	31.70	6.99	34.77
PK	5.7414G	117.98	Inf	-Inf	4.13	3	Vertical	178	1.63	-	113.85	31.97	6.93	34.77
PK	5.9406G	57.62	68.20	-10.58	5.14	3	Vertical	178	1.63	-	52.48	32.38	7.53	34.77

802.11a_Nss1,(6Mbps)_2TX

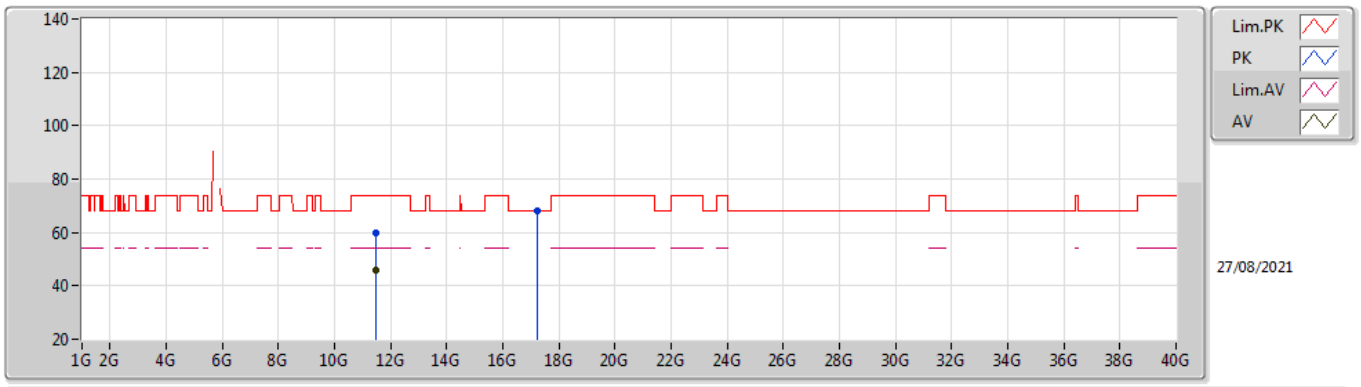
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7402G	97.21	Inf	-Inf	4.12	3	Horizontal	272	1.84	-	93.09	31.96	6.93	34.77
PK	5.517G	55.96	68.20	-12.24	3.97	3	Horizontal	272	1.84	-	51.99	31.70	7.04	34.77
PK	5.7498G	106.50	Inf	-Inf	4.16	3	Horizontal	272	1.84	-	102.34	32.00	6.93	34.77
PK	6.009G	56.99	68.20	-11.21	5.39	3	Horizontal	272	1.84	-	51.60	32.40	7.76	34.77

802.11a_Nss1,(6Mbps)_2TX

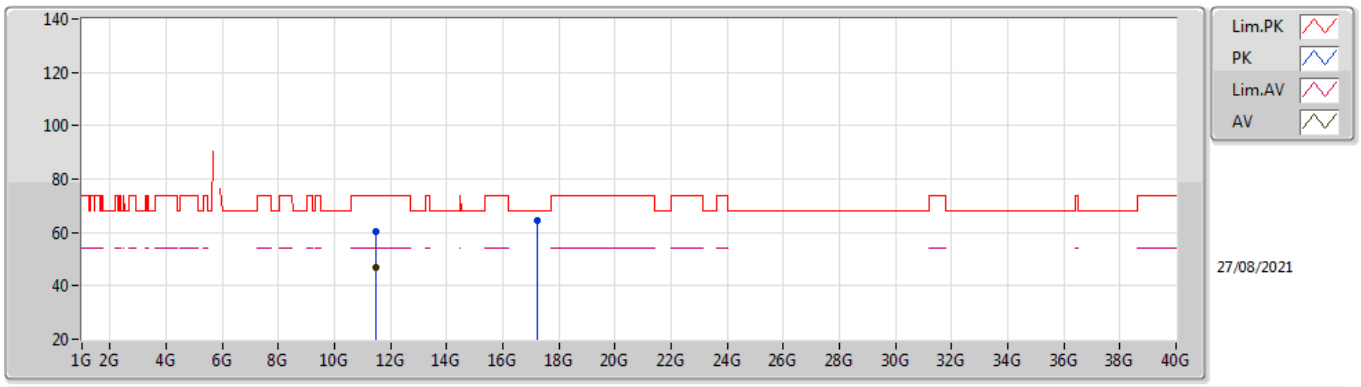
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.49006G	46.09	54.00	-7.91	14.65	3	Vertical	330	2.92	-	31.44	39.90	9.36	34.61
PK	11.49156G	59.59	74.00	-14.41	14.65	3	Vertical	330	2.92	-	44.94	39.90	9.36	34.61
PK	17.23122G	68.04	68.20	-0.16	18.47	3	Vertical	10	1.96	-	49.57	39.80	12.92	34.25

802.11a_Nss1,(6Mbps)_2TX

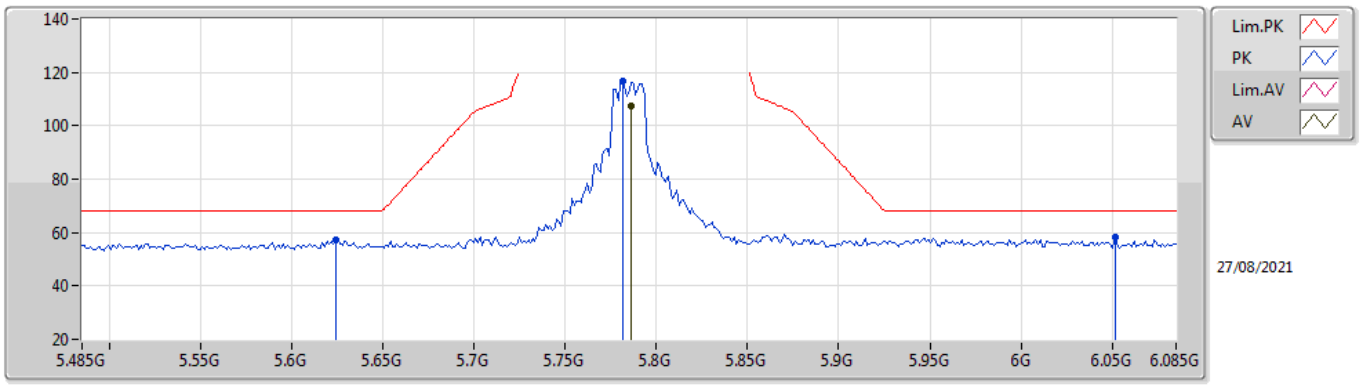
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.49126G	46.69	54.00	-7.31	14.65	3	Horizontal	334	2.24	-	32.04	39.90	9.36	34.61
PK	11.4918G	60.27	74.00	-13.73	14.65	3	Horizontal	334	2.24	-	45.62	39.90	9.36	34.61
PK	17.23314G	64.50	68.20	-3.70	18.47	3	Horizontal	39	1.78	-	46.03	39.80	12.92	34.25

802.11a_Nss1,(6Mbps)_2TX

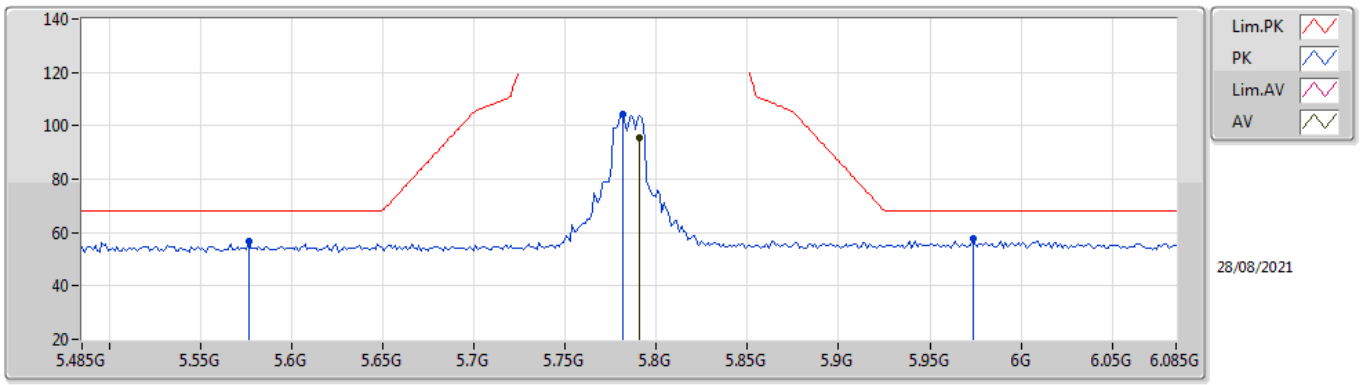
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7862G	107.53	Inf	-Inf	4.22	3	Vertical	179	1.58	-	103.31	32.07	6.92	34.77
PK	5.6242G	57.31	68.20	-10.89	3.91	3	Vertical	179	1.58	-	53.40	31.70	6.98	34.77
PK	5.7814G	116.85	Inf	-Inf	4.21	3	Vertical	179	1.58	-	112.64	32.06	6.92	34.77
PK	6.0514G	58.04	68.20	-10.16	5.29	3	Vertical	179	1.58	-	52.75	32.40	7.65	34.76

802.11a_Nss1,(6Mbps)_2TX

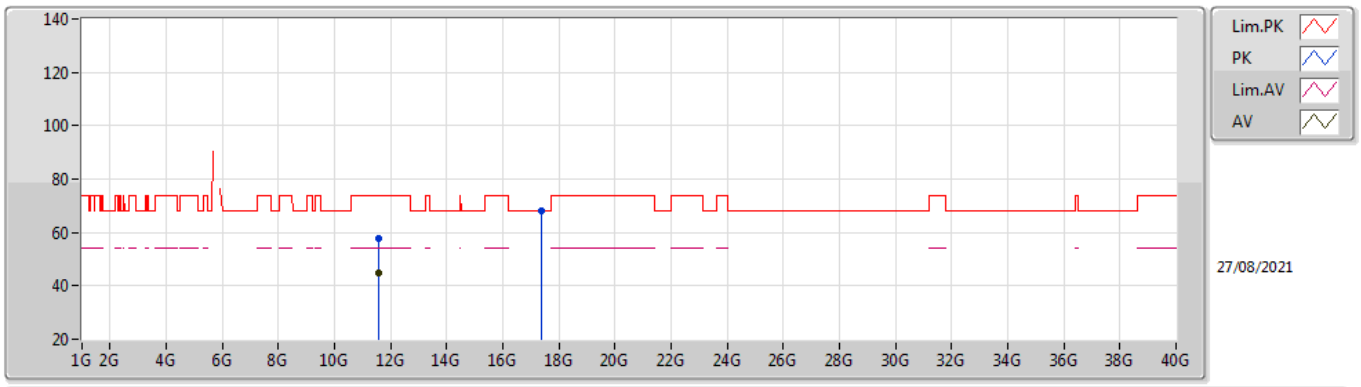
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.791G	95.32	Inf	-Inf	4.22	3	Horizontal	313	1.50	-	91.10	32.08	6.91	34.77
PK	5.5762G	56.75	68.20	-11.45	3.94	3	Horizontal	313	1.50	-	52.81	31.70	7.01	34.77
PK	5.7814G	104.52	Inf	-Inf	4.21	3	Horizontal	313	1.50	-	100.31	32.06	6.92	34.77
PK	5.9734G	57.73	68.20	-10.47	5.30	3	Horizontal	313	1.50	-	52.43	32.40	7.67	34.77

802.11a_Nss1,(6Mbps)_2TX

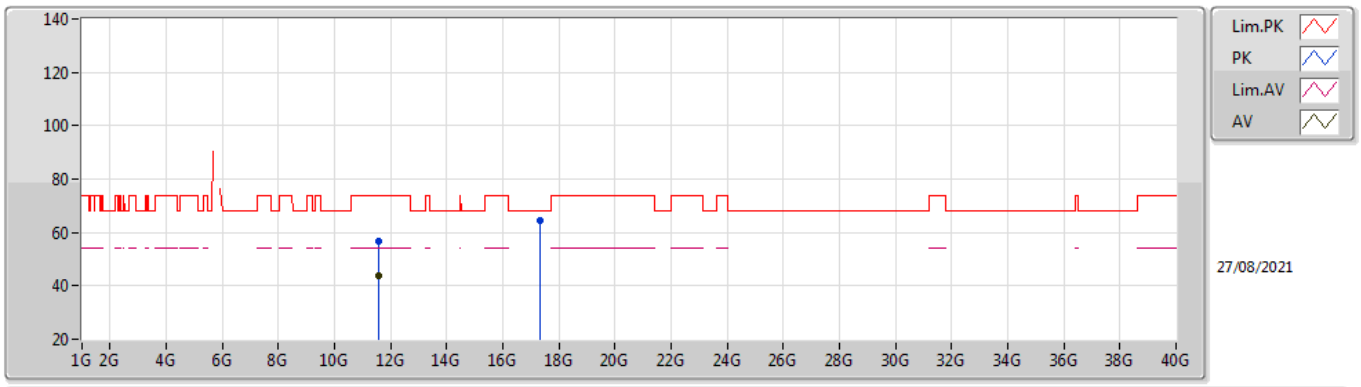
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.57024G	44.77	54.00	-9.23	14.66	3	Vertical	317	1.72	-	30.11	39.90	9.39	34.63
PK	11.5718G	57.59	74.00	-16.41	14.66	3	Vertical	317	1.72	-	42.93	39.90	9.39	34.63
PK	17.35872G	68.02	68.20	-0.18	18.86	3	Vertical	18	1.83	-	49.16	40.33	12.95	34.42

802.11a_Nss1,(6Mbps)_2TX

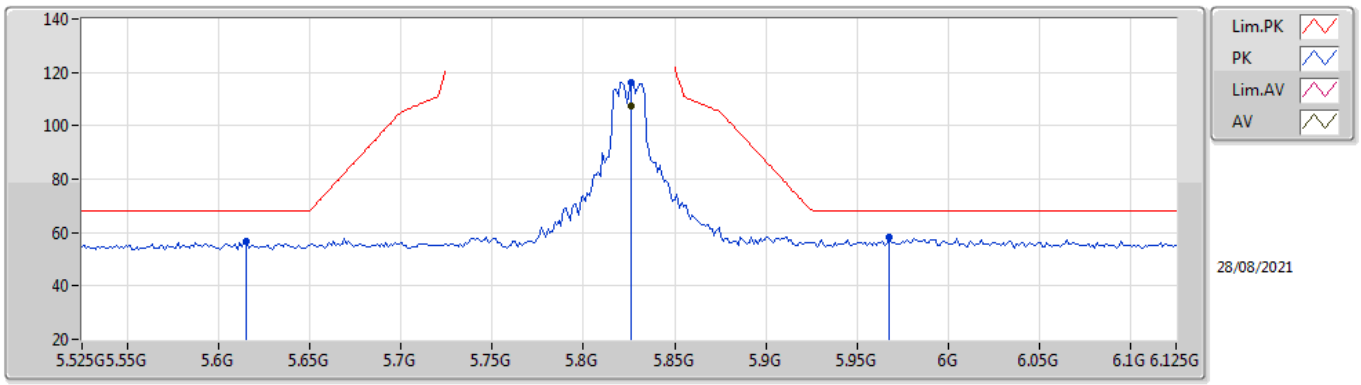
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.57G	43.64	54.00	-10.36	14.66	3	Horizontal	77	2.87	-	28.98	39.90	9.39	34.63
PK	11.5646G	56.61	74.00	-17.39	14.66	3	Horizontal	77	2.87	-	41.95	39.90	9.39	34.63
PK	17.34858G	64.53	68.20	-3.67	18.78	3	Horizontal	36	2.04	-	45.75	40.24	12.95	34.41

802.11a_Nss1,(6Mbps)_2TX

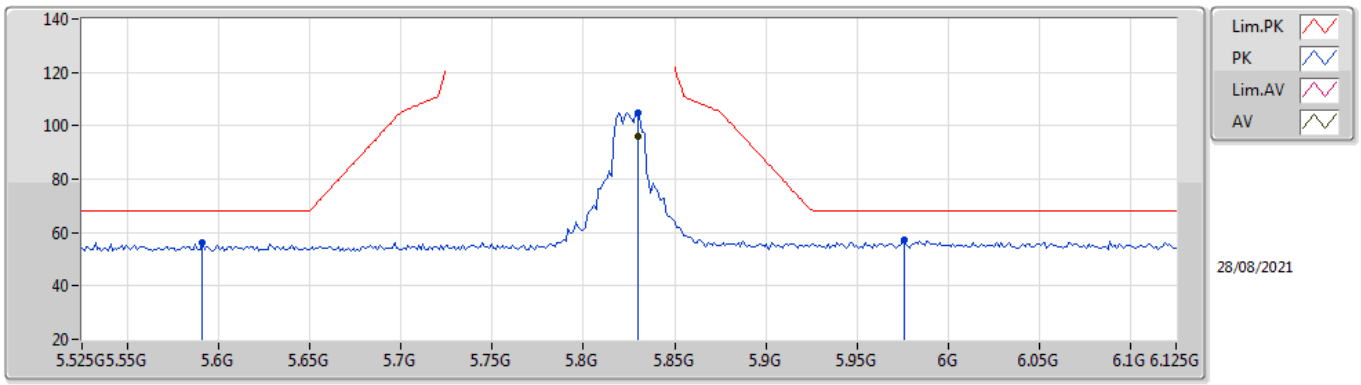
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8262G	107.56	Inf	-Inf	4.41	3	Vertical	178	1.50	-	103.15	32.15	7.03	34.77
PK	5.615G	56.72	68.20	-11.48	3.91	3	Vertical	178	1.50	-	52.81	31.70	6.98	34.77
PK	5.8262G	116.29	Inf	-Inf	4.41	3	Vertical	178	1.50	-	111.88	32.15	7.03	34.77
PK	5.9678G	58.36	68.20	-9.84	5.28	3	Vertical	178	1.50	-	53.08	32.40	7.65	34.77

802.11a_Nss1,(6Mbps)_2TX

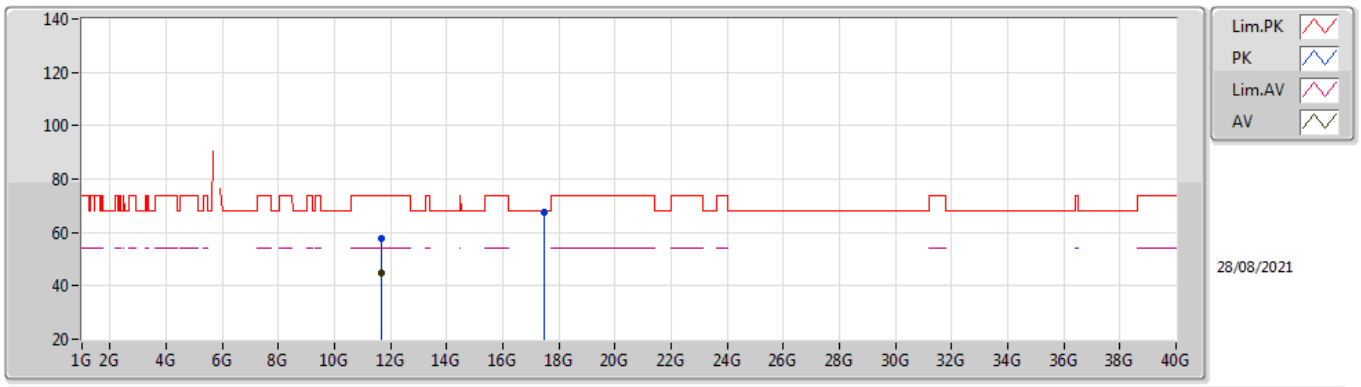
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8298G	96.19	Inf	-Inf	4.43	3	Horizontal	248	1.54	-	91.76	32.16	7.04	34.77
PK	5.591G	55.96	68.20	-12.24	3.93	3	Horizontal	248	1.54	-	52.03	31.70	7.00	34.77
PK	5.8298G	105.03	Inf	-Inf	4.43	3	Horizontal	248	1.54	-	100.60	32.16	7.04	34.77
PK	5.9762G	57.46	68.20	-10.74	5.32	3	Horizontal	248	1.54	-	52.14	32.40	7.69	34.77

802.11a_Nss1,(6Mbps)_2TX

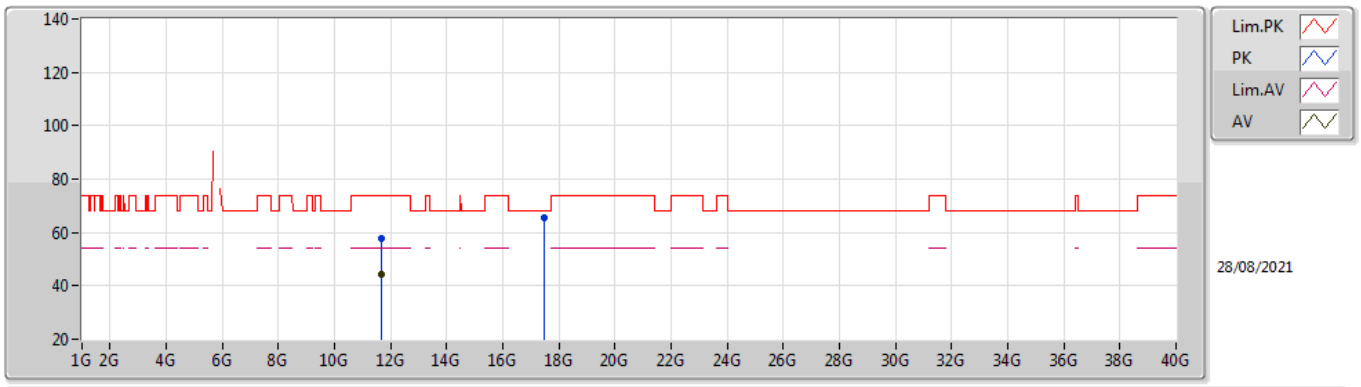
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.6512G	44.77	54.00	-9.23	14.35	3	Vertical	313	2.90	-	30.42	39.59	9.41	34.65
PK	11.65102G	57.78	74.00	-16.22	14.35	3	Vertical	313	2.90	-	43.43	39.59	9.41	34.65
PK	17.47374G	67.79	68.20	-0.41	19.56	3	Vertical	15	1.75	-	48.23	41.14	12.99	34.57

802.11a_Nss1,(6Mbps)_2TX

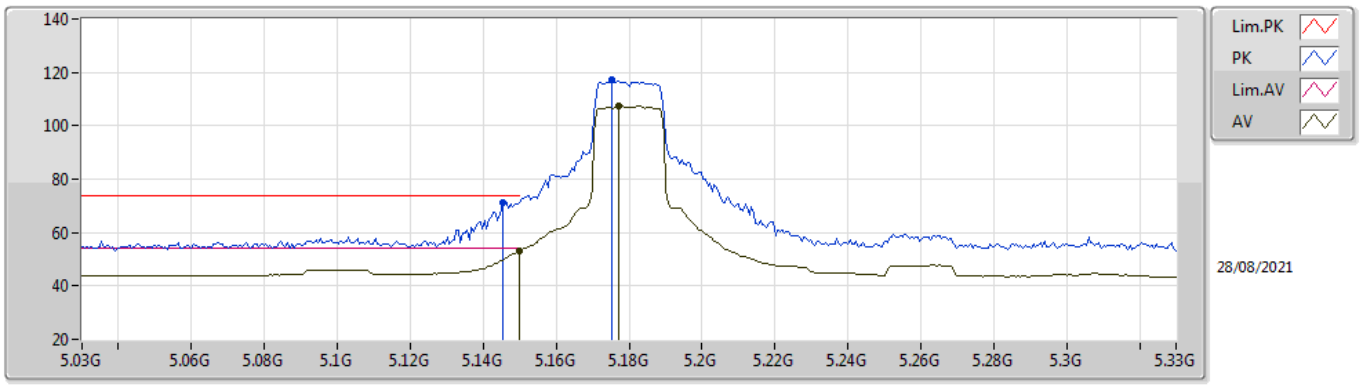
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.6521G	44.36	54.00	-9.64	14.36	3	Horizontal	82	1.84	-	30.00	39.59	9.42	34.65
PK	11.6521G	57.88	74.00	-16.12	14.36	3	Horizontal	82	1.84	-	43.52	39.59	9.42	34.65
PK	17.47404G	65.51	68.20	-2.69	19.55	3	Horizontal	12	2.10	-	45.96	41.14	12.99	34.58

802.11ac VHT20_Nss1,(MCS0)_2TX

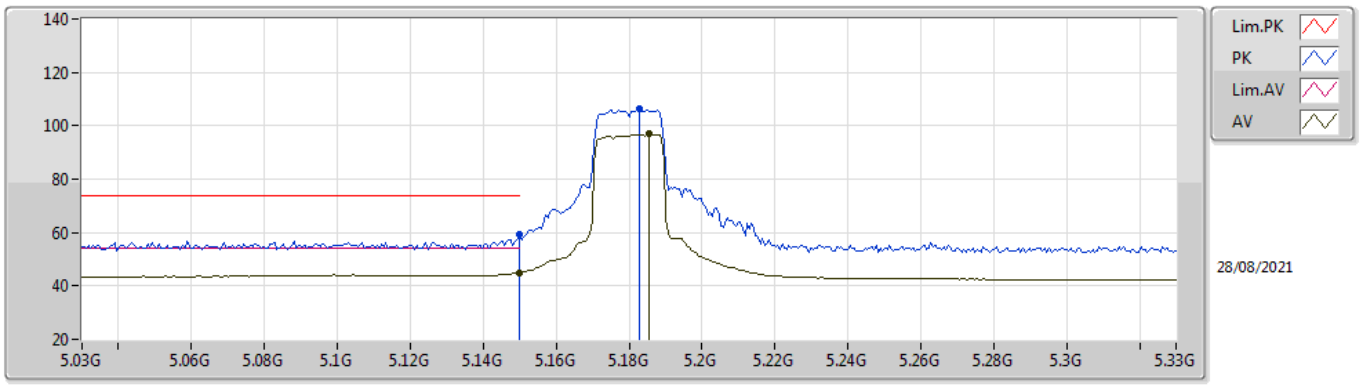
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	53.17	54.00	-0.83	4.01	3	Vertical	338	1.50	-	49.16	31.90	6.87	34.76
AV	5.177G	107.29	Inf	-Inf	3.91	3	Vertical	338	1.50	-	103.38	31.79	6.88	34.76
PK	5.1452G	71.40	74.00	-2.60	4.01	3	Vertical	338	1.50	-	67.39	31.90	6.87	34.76
PK	5.1752G	117.07	Inf	-Inf	3.92	3	Vertical	338	1.50	-	113.15	31.80	6.88	34.76

802.11ac VHT20_Nss1,(MCS0)_2TX

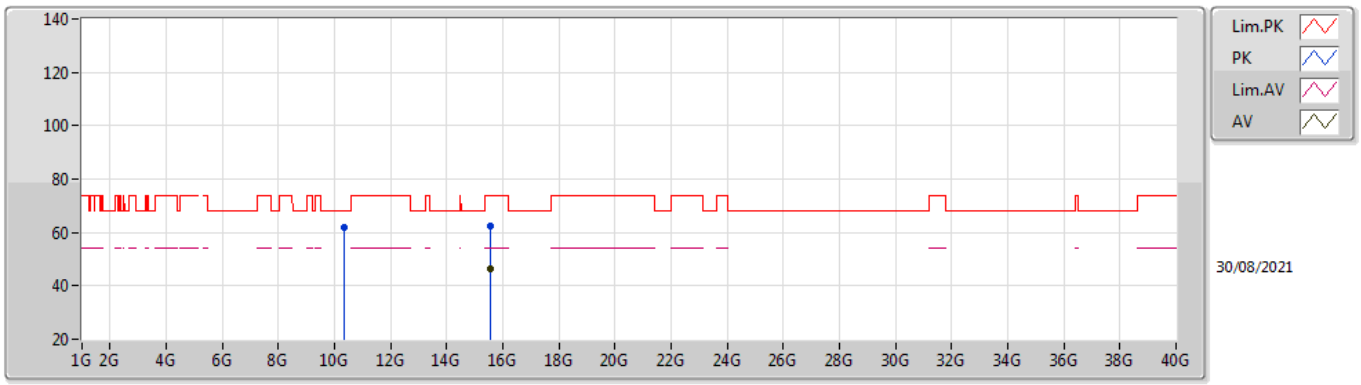
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	45.05	54.00	-8.95	4.01	3	Horizontal	288	1.50	-	41.04	31.90	6.87	34.76
AV	5.1854G	96.90	Inf	-Inf	3.88	3	Horizontal	288	1.50	-	93.02	31.76	6.88	34.76
PK	5.15G	59.06	74.00	-14.94	4.01	3	Horizontal	288	1.50	-	55.05	31.90	6.87	34.76
PK	5.183G	106.32	Inf	-Inf	3.89	3	Horizontal	288	1.50	-	102.43	31.77	6.88	34.76

802.11ac VHT20_Nss1,(MCS0)_2TX

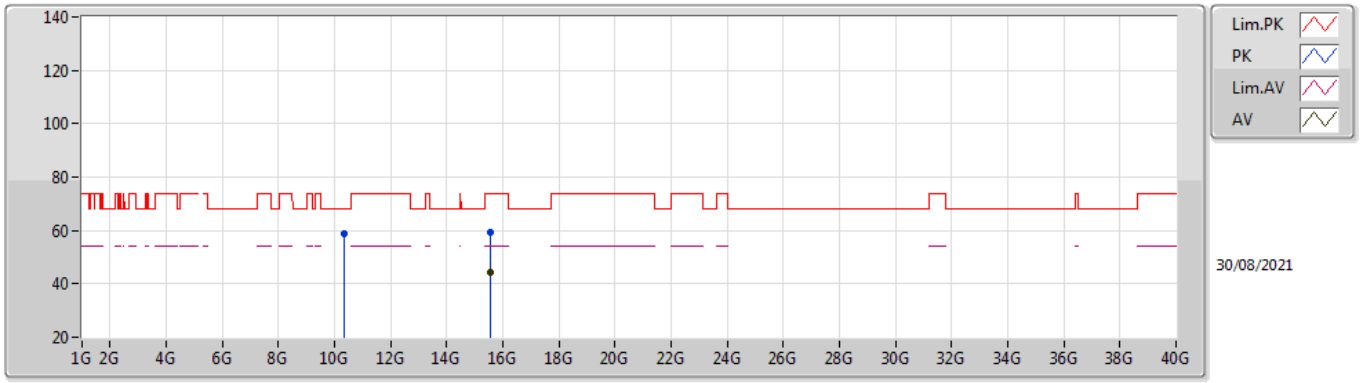
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.54245G	46.63	54.00	-7.37	15.41	3	Vertical	221	1.28	-	31.22	38.23	12.10	34.92
PK	10.3596G	61.80	68.20	-6.40	13.54	3	Vertical	2	2.33	-	48.26	39.58	8.99	35.03
PK	15.54108G	62.36	74.00	-11.64	15.42	3	Vertical	221	1.28	-	46.94	38.24	12.10	34.92

802.11ac VHT20_Nss1,(MCS0)_2TX

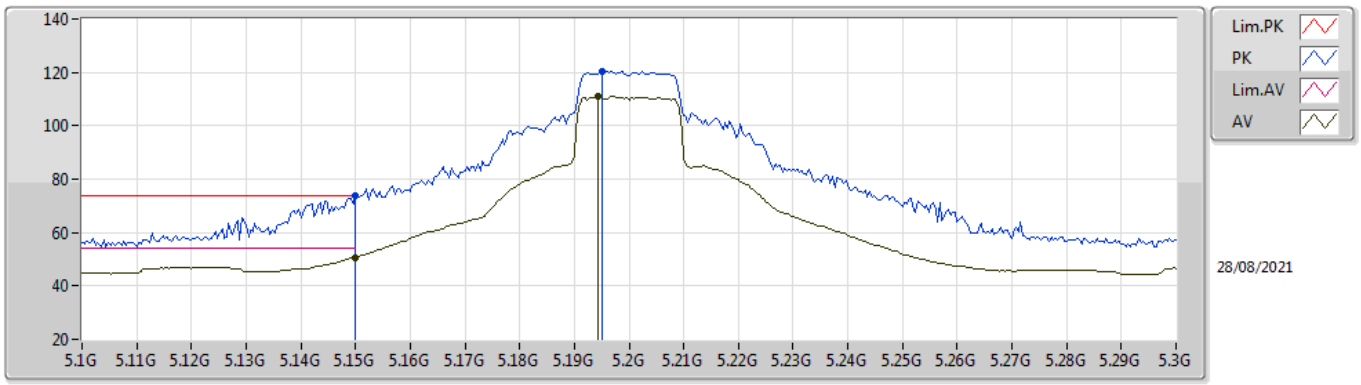
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.54241G	44.29	54.00	-9.71	15.41	3	Horizontal	333	1.00	-	28.88	38.23	12.10	34.92
PK	10.35971G	58.58	68.20	-9.62	13.54	3	Horizontal	329	1.02	-	45.04	39.58	8.99	35.03
PK	15.54217G	59.38	74.00	-14.62	15.41	3	Horizontal	333	1.00	-	43.97	38.23	12.10	34.92

802.11ac VHT20_Nss1,(MCS0)_2TX

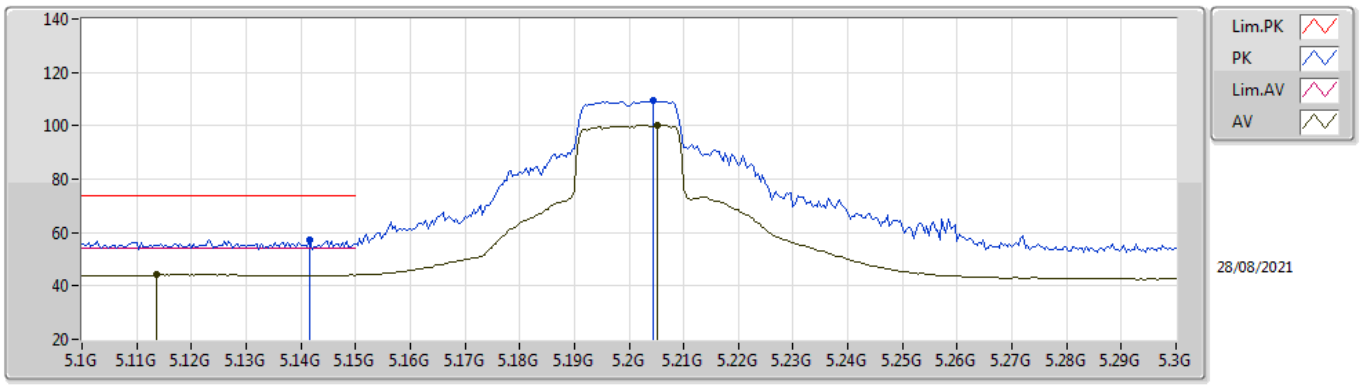
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	50.70	54.00	-3.30	4.01	3	Vertical	26	1.49	-	46.69	31.90	6.87	34.76
AV	5.1944G	110.87	Inf	-Inf	3.85	3	Vertical	26	1.49	-	107.02	31.72	6.89	34.76
PK	5.15G	73.61	74.00	-0.39	4.01	3	Vertical	26	1.49	-	69.60	31.90	6.87	34.76
PK	5.1952G	120.49	Inf	-Inf	3.85	3	Vertical	26	1.49	-	116.64	31.72	6.89	34.76

802.11ac VHT20_Nss1,(MCS0)_2TX

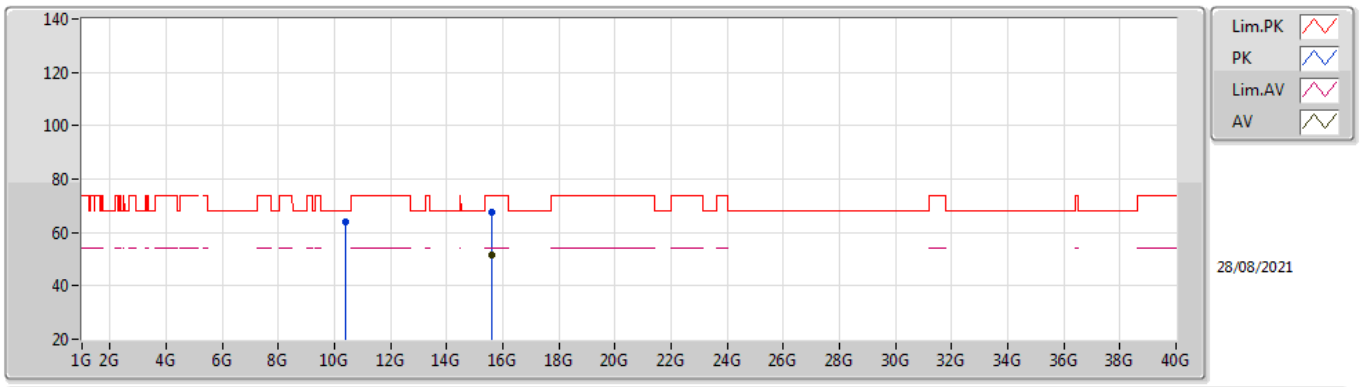
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1136G	44.23	54.00	-9.77	4.00	3	Horizontal	289	1.50	-	40.23	31.90	6.86	34.76
AV	5.2052G	100.34	Inf	-Inf	3.82	3	Horizontal	289	1.50	-	96.52	31.68	6.90	34.76
PK	5.1416G	57.49	74.00	-16.51	4.01	3	Horizontal	289	1.50	-	53.48	31.90	6.87	34.76
PK	5.2044G	109.43	Inf	-Inf	3.82	3	Horizontal	289	1.50	-	105.61	31.68	6.90	34.76

802.11ac VHT20_Nss1,(MCS0)_2TX

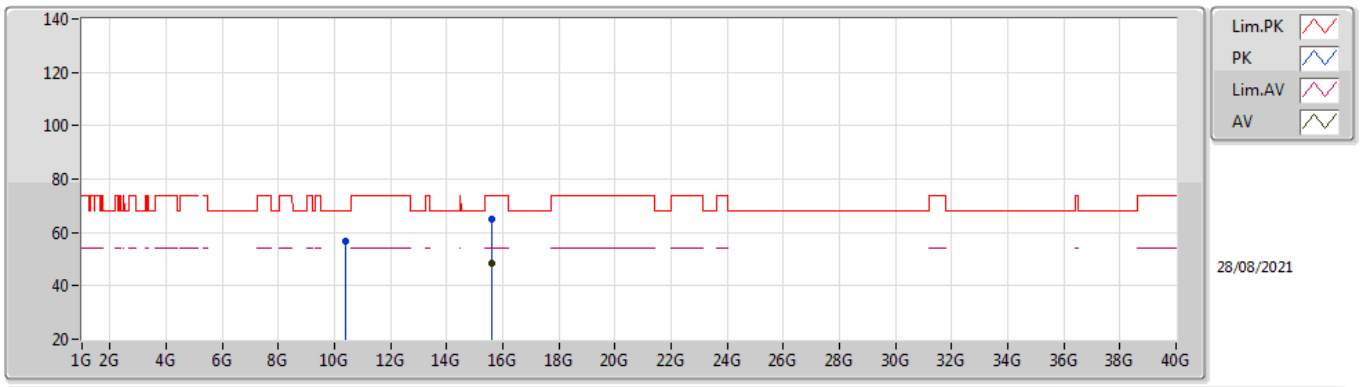
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.60054G	51.78	54.00	-2.22	15.20	3	Vertical	3	1.91	-	36.58	38.00	12.16	34.96
PK	10.39808G	63.95	68.20	-4.25	13.70	3	Vertical	346	1.54	-	50.25	39.69	9.00	34.99
PK	15.60612G	67.48	74.00	-6.52	15.19	3	Vertical	3	1.91	-	52.29	37.98	12.17	34.96

802.11ac VHT20_Nss1,(MCS0)_2TX

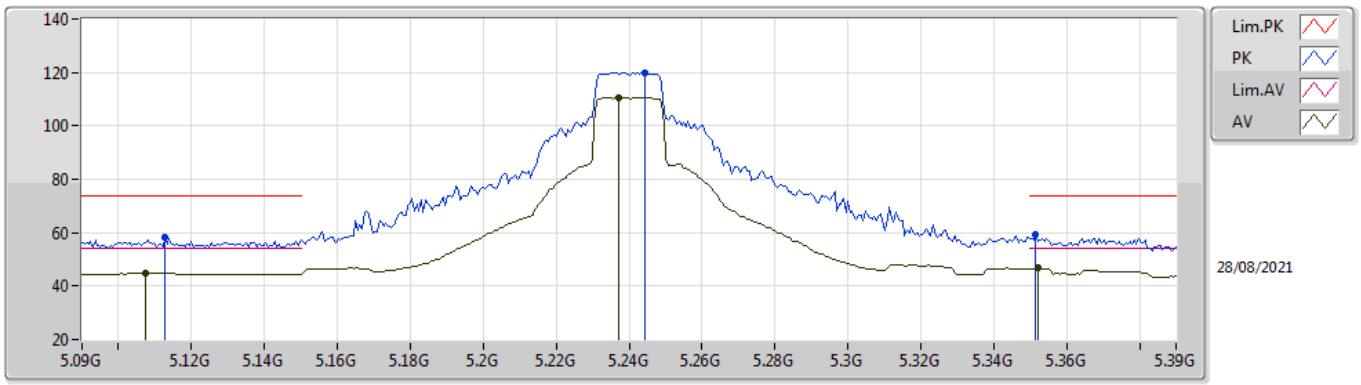
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.60396G	48.69	54.00	-5.31	15.20	3	Horizontal	318	3.00	-	33.49	37.99	12.17	34.96
PK	10.40894G	56.57	68.20	-11.63	13.75	3	Horizontal	161	2.40	-	42.82	39.73	9.00	34.98
PK	15.60924G	64.77	74.00	-9.23	15.18	3	Horizontal	318	3.00	-	49.59	37.97	12.17	34.96

802.11ac VHT20_Nss1,(MCS0)_2TX

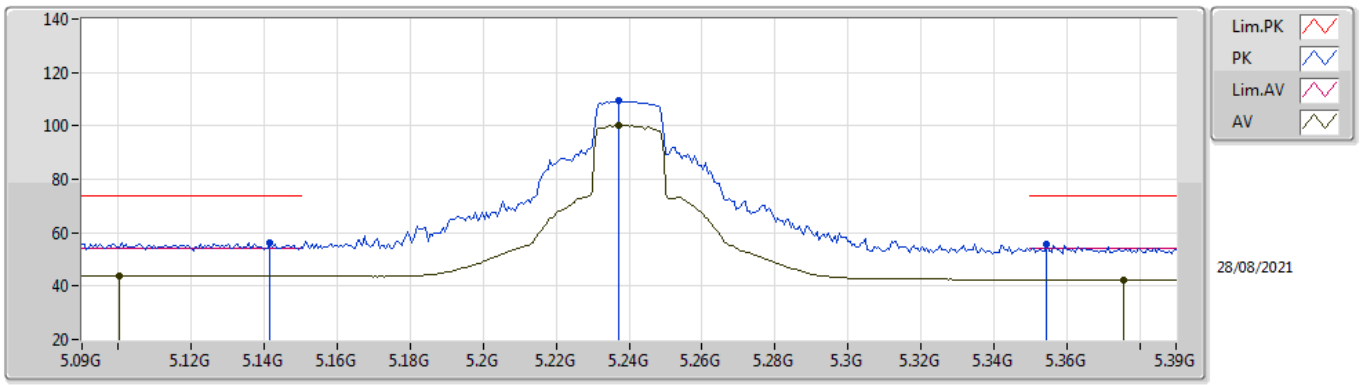
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1074G	44.69	54.00	-9.31	3.99	3	Vertical	339	1.50	-	40.70	31.90	6.85	34.76
AV	5.237G	110.74	Inf	-Inf	3.72	3	Vertical	339	1.50	-	107.02	31.55	6.93	34.76
AV	5.3522G	46.72	54.00	-7.28	3.51	3	Vertical	339	1.50	-	43.21	31.21	7.07	34.77
PK	5.1128G	58.43	74.00	-15.57	4.00	3	Vertical	339	1.50	-	54.43	31.90	6.86	34.76
PK	5.2442G	119.97	Inf	-Inf	3.70	3	Vertical	339	1.50	-	116.27	31.52	6.94	34.76
PK	5.3516G	59.28	74.00	-14.72	3.50	3	Vertical	339	1.50	-	55.78	31.21	7.06	34.77

802.11ac VHT20_Nss1,(MCS0)_2TX

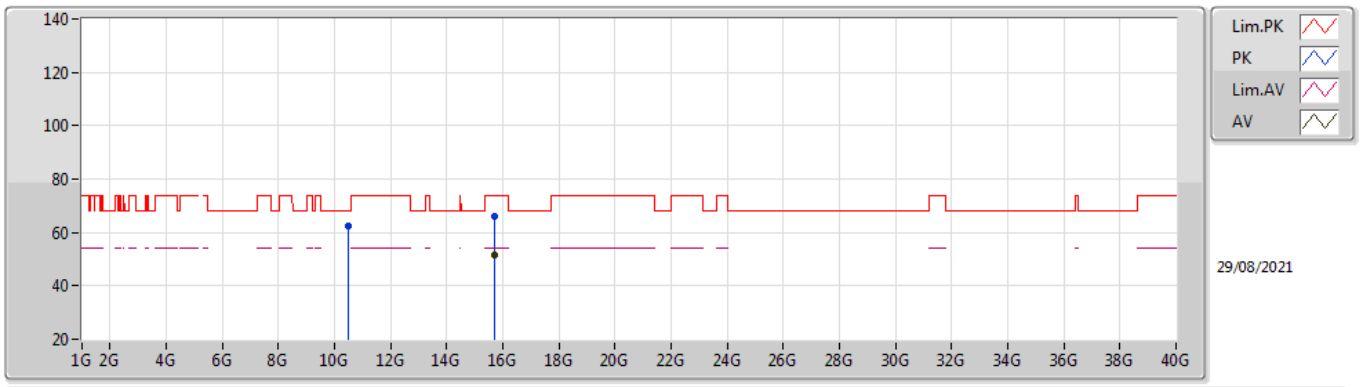
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1002G	43.82	54.00	-10.18	3.99	3	Horizontal	289	1.64	-	39.83	31.90	6.85	34.76
AV	5.237G	100.29	Inf	-Inf	3.72	3	Horizontal	289	1.64	-	96.57	31.55	6.93	34.76
AV	5.3756G	42.28	54.00	-11.72	3.62	3	Horizontal	289	1.64	-	38.66	31.30	7.09	34.77
PK	5.1416G	56.38	74.00	-17.62	4.01	3	Horizontal	289	1.64	-	52.37	31.90	6.87	34.76
PK	5.237G	109.42	Inf	-Inf	3.72	3	Horizontal	289	1.64	-	105.70	31.55	6.93	34.76
PK	5.3546G	55.47	74.00	-18.53	3.52	3	Horizontal	289	1.64	-	51.95	31.22	7.07	34.77

802.11ac VHT20_Nss1,(MCS0)_2TX

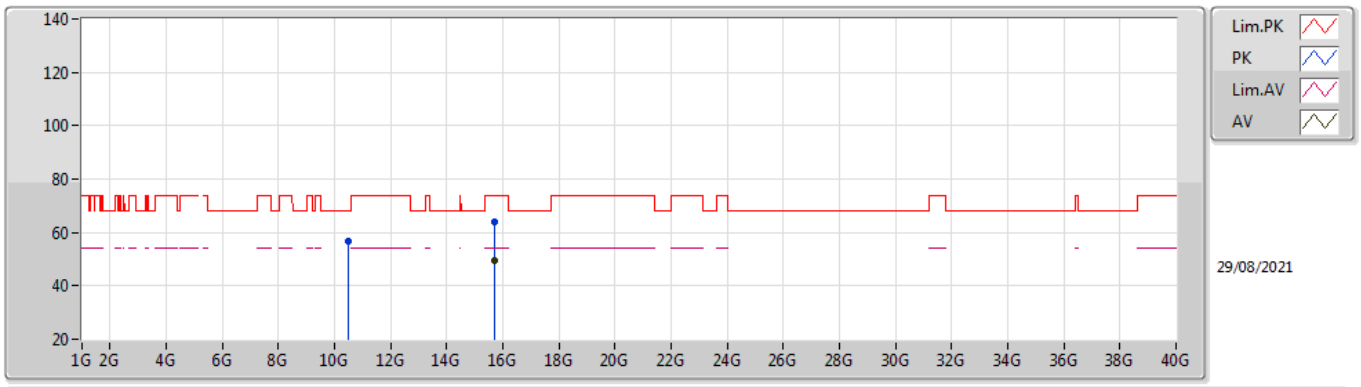
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.71556G	51.68	54.00	-2.32	14.93	3	Vertical	17	1.19	-	36.75	37.68	12.28	35.03
PK	10.47826G	62.55	68.20	-5.65	14.04	3	Vertical	346	2.91	-	48.51	39.93	9.03	34.92
PK	15.7266G	66.28	74.00	-7.72	14.93	3	Vertical	17	1.19	-	51.35	37.67	12.29	35.03

802.11ac VHT20_Nss1,(MCS0)_2TX

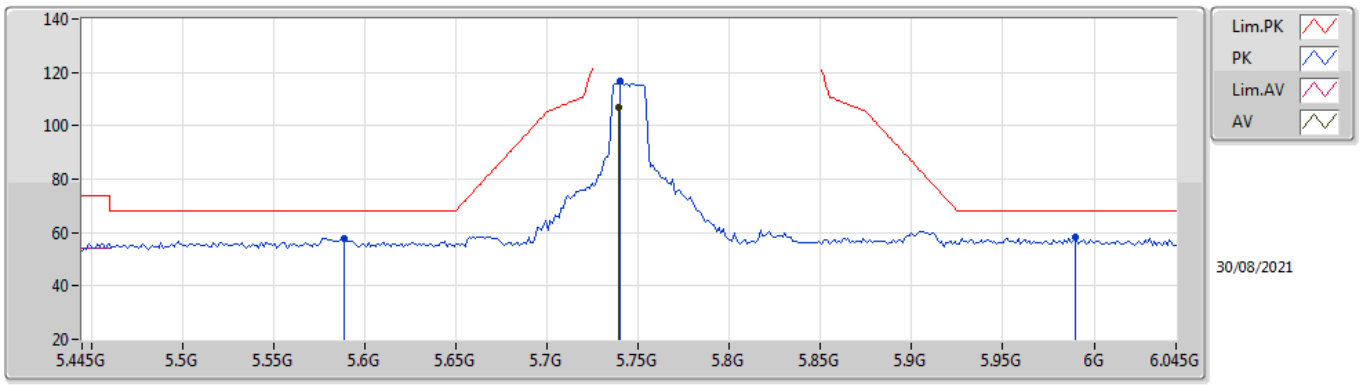
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.71586G	49.54	54.00	-4.46	14.93	3	Horizontal	319	3.00	-	34.61	37.68	12.28	35.03
PK	10.4758G	56.65	68.20	-11.55	14.04	3	Horizontal	249	2.22	-	42.61	39.93	9.03	34.92
PK	15.7173G	64.17	74.00	-9.83	14.93	3	Horizontal	319	3.00	-	49.24	37.68	12.28	35.03

802.11ac VHT20_Nss1,(MCS0)_2TX

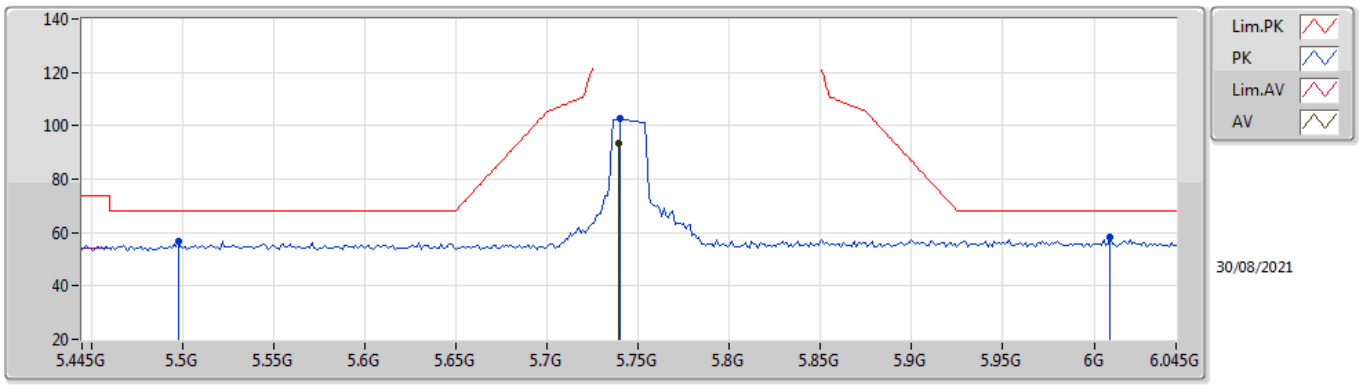
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.739G	106.69	Inf	-Inf	4.12	3	Vertical	188	1.62	-	102.57	31.96	6.93	34.77
PK	5.589G	57.61	68.20	-10.59	3.93	3	Vertical	188	1.62	-	53.68	31.70	7.00	34.77
PK	5.7402G	116.93	Inf	-Inf	4.12	3	Vertical	188	1.62	-	112.81	31.96	6.93	34.77
PK	5.9898G	58.09	68.20	-10.11	5.38	3	Vertical	188	1.62	-	52.71	32.40	7.75	34.77

802.11ac VHT20_Nss1,(MCS0)_2TX

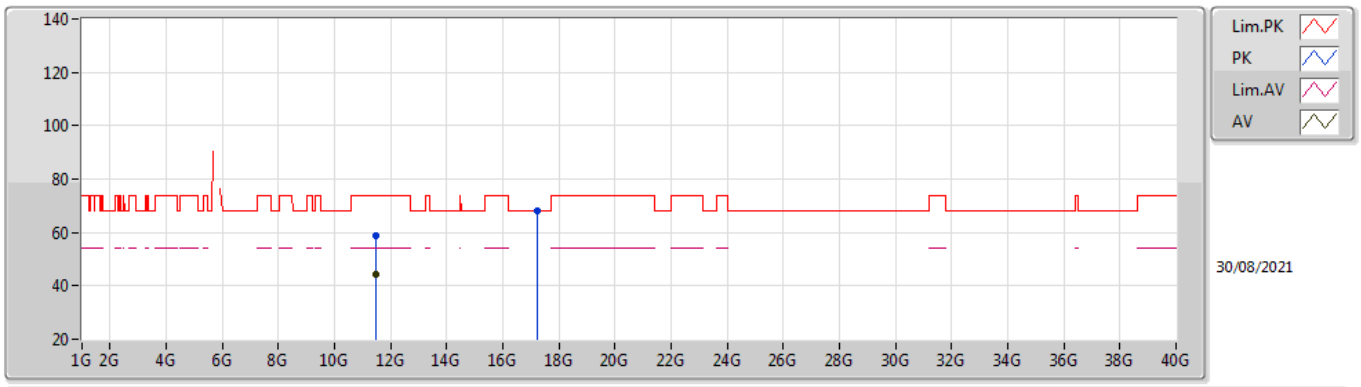
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.739G	93.66	Inf	-Inf	4.12	3	Horizontal	79	1.45	-	89.54	31.96	6.93	34.77
PK	5.4978G	56.85	68.20	-11.35	3.99	3	Horizontal	79	1.45	-	52.86	31.70	7.06	34.77
PK	5.7402G	102.96	Inf	-Inf	4.12	3	Horizontal	79	1.45	-	98.84	31.96	6.93	34.77
PK	6.009G	58.20	68.20	-10.00	5.39	3	Horizontal	79	1.45	-	52.81	32.40	7.76	34.77

802.11ac VHT20_Nss1,(MCS0)_2TX

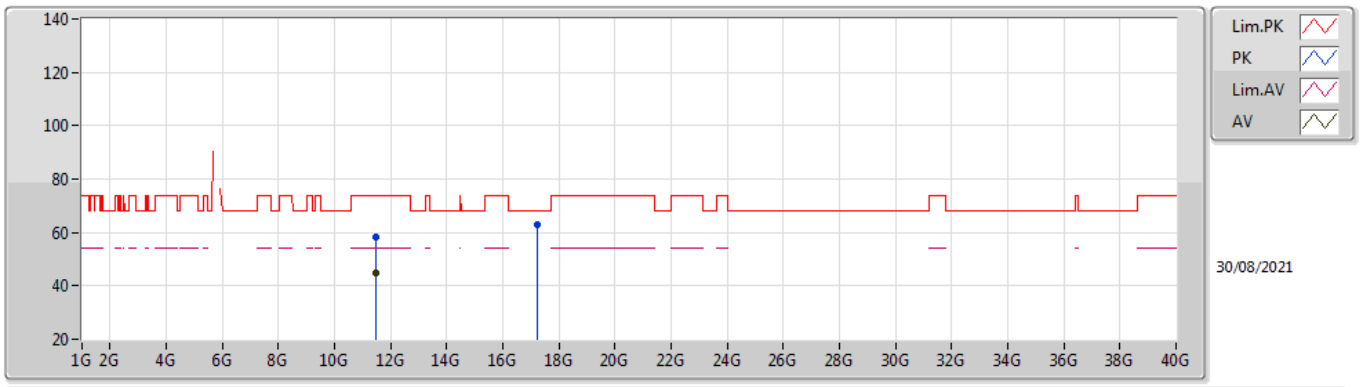
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.48988G	44.53	54.00	-9.47	14.65	3	Vertical	318	2.94	-	29.88	39.90	9.36	34.61
PK	11.48796G	58.90	74.00	-15.10	14.65	3	Vertical	318	2.94	-	44.25	39.90	9.36	34.61
PK	17.23588G	68.02	68.20	-0.18	18.46	3	Vertical	11	1.87	-	49.56	39.80	12.92	34.26

802.11ac VHT20_Nss1,(MCS0)_2TX

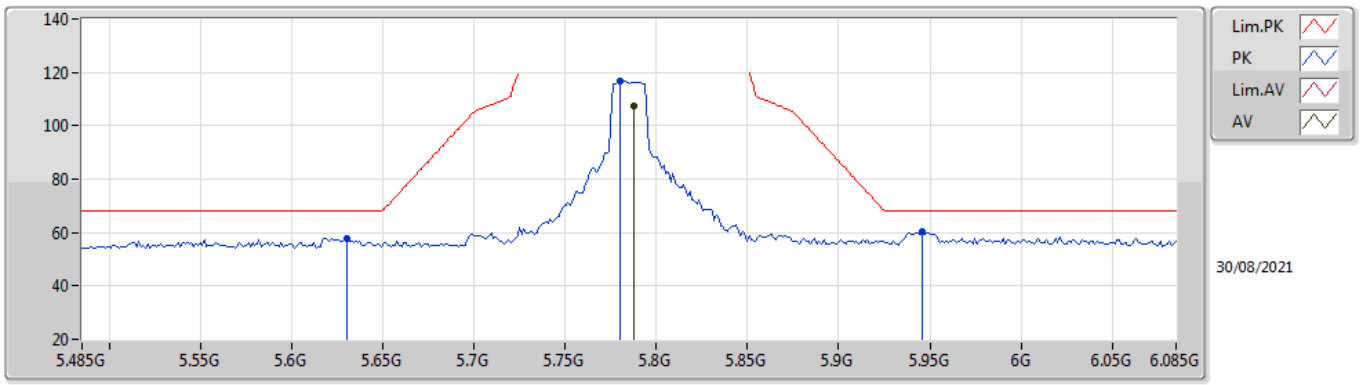
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.49G	45.00	54.00	-9.00	14.65	3	Horizontal	335	1.96	-	30.35	39.90	9.36	34.61
PK	11.48934G	58.52	74.00	-15.48	14.65	3	Horizontal	335	1.96	-	43.87	39.90	9.36	34.61
PK	17.23G	62.85	68.20	-5.35	18.47	3	Horizontal	357	2.01	-	44.38	39.80	12.92	34.25

802.11ac VHT20_Nss1,(MCS0)_2TX

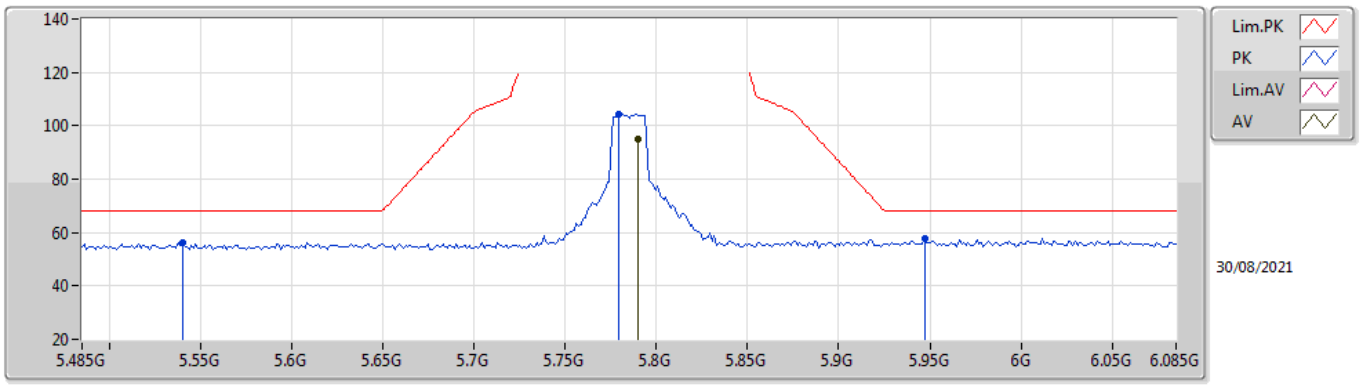
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7874G	107.52	Inf	-Inf	4.22	3	Vertical	187	1.66	-	103.30	32.07	6.92	34.77
PK	5.6302G	57.89	68.20	-10.31	3.91	3	Vertical	187	1.66	-	53.98	31.70	6.98	34.77
PK	5.7802G	116.86	Inf	-Inf	4.21	3	Vertical	187	1.66	-	112.65	32.06	6.92	34.77
PK	5.9458G	60.51	68.20	-7.69	5.17	3	Vertical	187	1.66	-	55.34	32.39	7.55	34.77

802.11ac VHT20_Nss1,(MCS0)_2TX

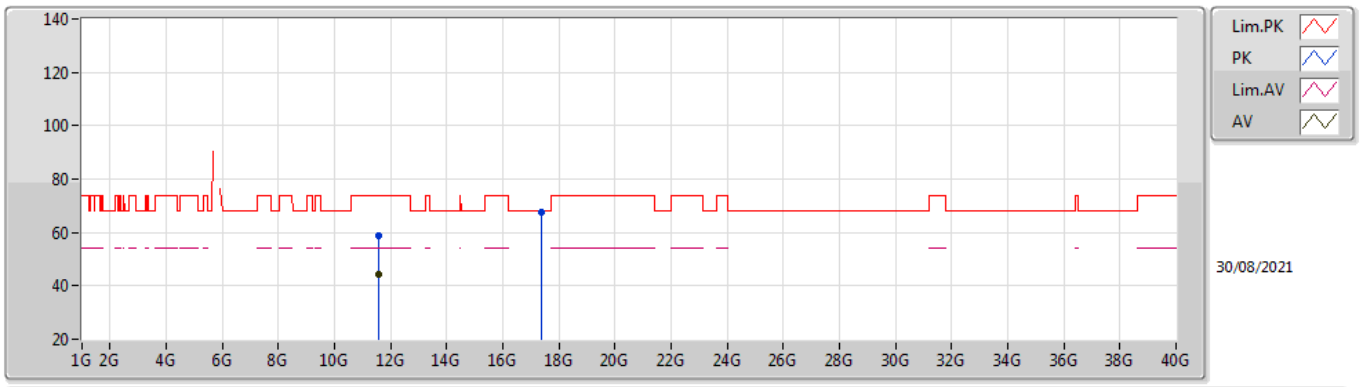
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7898G	95.13	Inf	-Inf	4.22	3	Horizontal	79	1.44	-	90.91	32.08	6.91	34.77
PK	5.5402G	56.43	68.20	-11.77	3.96	3	Horizontal	79	1.44	-	52.47	31.70	7.03	34.77
PK	5.779G	104.44	Inf	-Inf	4.21	3	Horizontal	79	1.44	-	100.23	32.06	6.92	34.77
PK	5.947G	57.79	68.20	-10.41	5.18	3	Horizontal	79	1.44	-	52.61	32.39	7.56	34.77

802.11ac VHT20_Nss1,(MCS0)_2TX

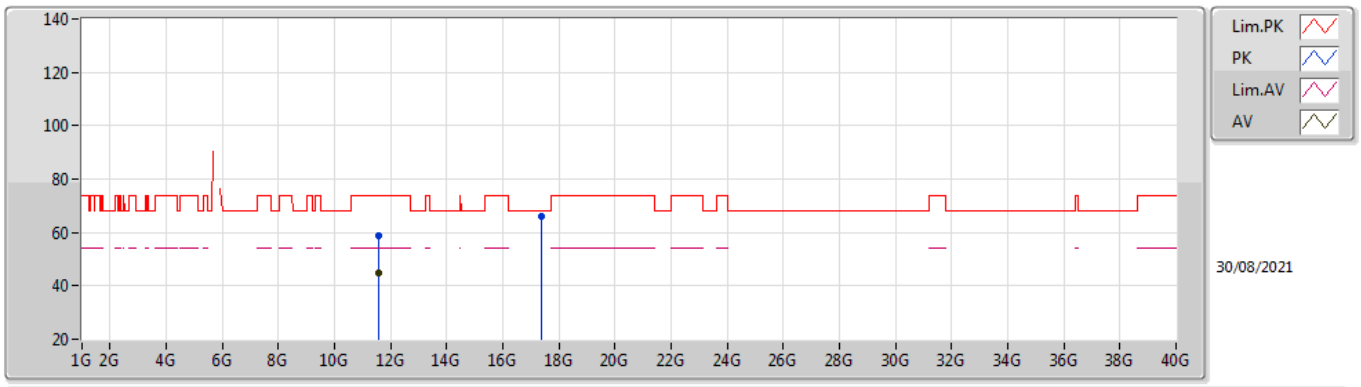
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.56992G	44.51	54.00	-9.49	14.66	3	Vertical	319	2.94	-	29.85	39.90	9.39	34.63
PK	11.56914G	58.90	74.00	-15.10	14.66	3	Vertical	319	2.94	-	44.24	39.90	9.39	34.63
PK	17.35862G	67.83	68.20	-0.37	18.86	3	Vertical	14	1.10	-	48.97	40.33	12.95	34.42

802.11ac VHT20_Nss1,(MCS0)_2TX

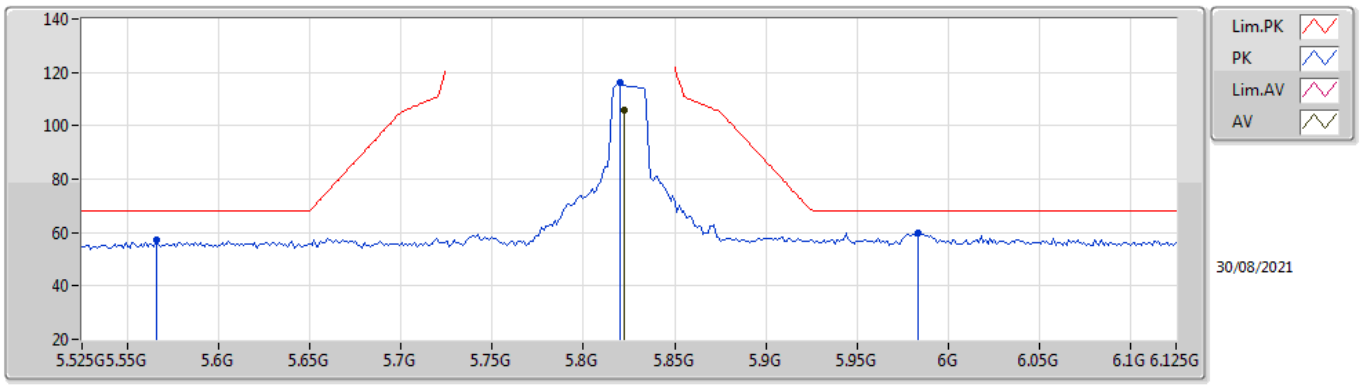
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.56986G	44.86	54.00	-9.14	14.66	3	Horizontal	338	2.02	-	30.20	39.90	9.39	34.63
PK	11.56912G	58.94	74.00	-15.06	14.66	3	Horizontal	338	2.02	-	44.28	39.90	9.39	34.63
PK	17.35582G	65.90	68.20	-2.30	18.83	3	Horizontal	54	1.68	-	47.07	40.30	12.95	34.42

802.11ac VHT20_Nss1,(MCS0)_2TX

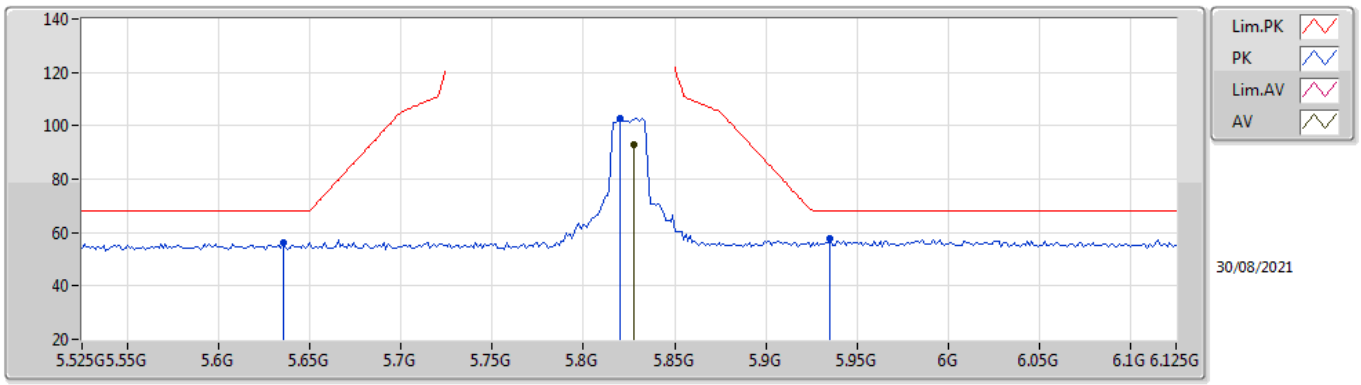
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8226G	106.02	Inf	-Inf	4.39	3	Vertical	184	1.70	-	101.63	32.15	7.01	34.77
PK	5.5658G	57.38	68.20	-10.82	3.94	3	Vertical	184	1.70	-	53.44	31.70	7.01	34.77
PK	5.8202G	116.18	Inf	-Inf	4.37	3	Vertical	184	1.70	-	111.81	32.14	7.00	34.77
PK	5.9834G	59.76	68.20	-8.44	5.35	3	Vertical	184	1.70	-	54.41	32.40	7.72	34.77

802.11ac VHT20_Nss1,(MCS0)_2TX

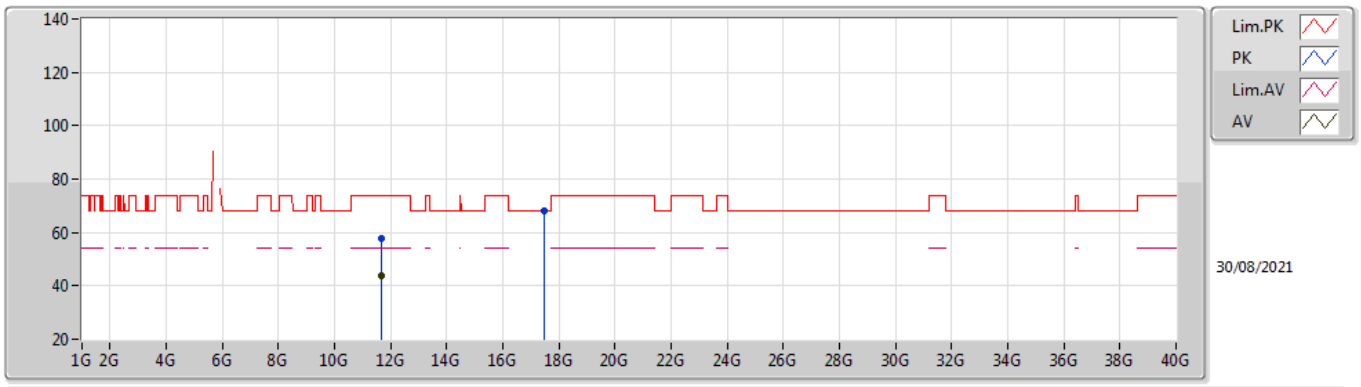
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8274G	93.16	Inf	-Inf	4.41	3	Horizontal	80	1.50	-	88.75	32.15	7.03	34.77
PK	5.6354G	56.09	68.20	-12.11	3.91	3	Horizontal	80	1.50	-	52.18	31.70	6.98	34.77
PK	5.8202G	102.88	Inf	-Inf	4.37	3	Horizontal	80	1.50	-	98.51	32.14	7.00	34.77
PK	5.9354G	57.87	68.20	-10.33	5.11	3	Horizontal	80	1.50	-	52.76	32.37	7.51	34.77

802.11ac VHT20_Nss1,(MCS0)_2TX

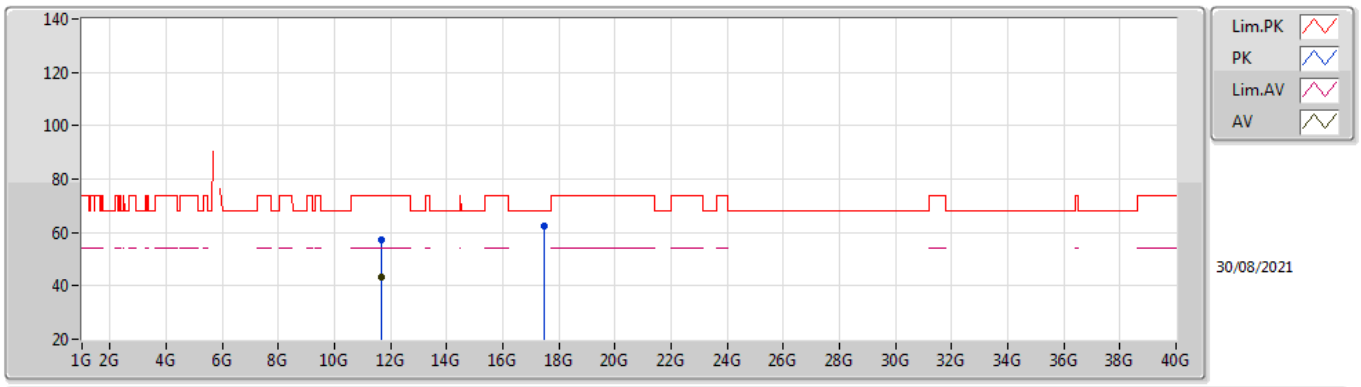
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.64984G	43.94	54.00	-10.06	14.36	3	Vertical	323	1.84	-	29.58	39.60	9.41	34.65
PK	11.65424G	57.77	74.00	-16.23	14.34	3	Vertical	323	1.84	-	43.43	39.57	9.42	34.65
PK	17.47638G	68.12	68.20	-0.08	19.57	3	Vertical	16	1.80	-	48.55	41.16	12.99	34.58

802.11ac VHT20_Nss1,(MCS0)_2TX

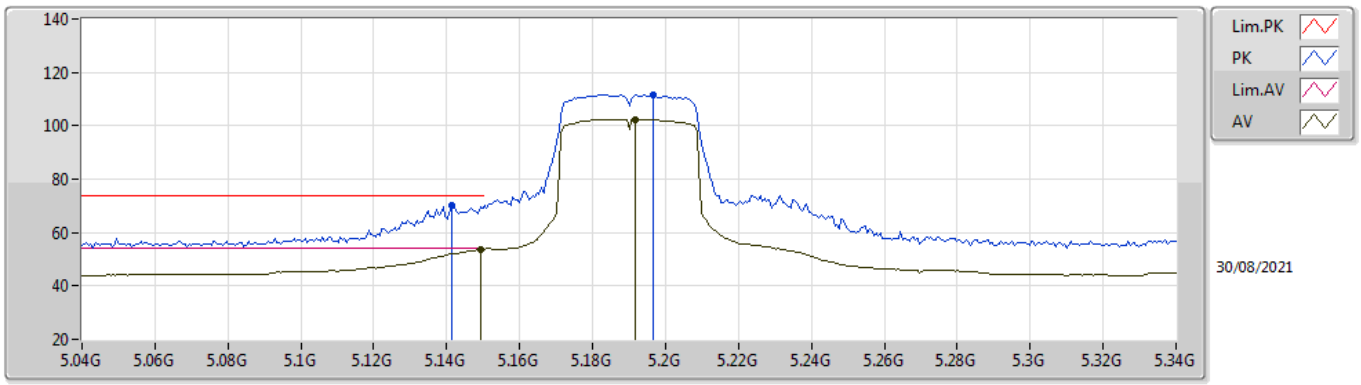
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.64984G	43.36	54.00	-10.64	14.36	3	Horizontal	27	1.89	-	29.00	39.60	9.41	34.65
PK	11.65156G	57.50	74.00	-16.50	14.36	3	Horizontal	27	1.89	-	43.14	39.59	9.42	34.65
PK	17.47246G	62.49	68.20	-5.71	19.55	3	Horizontal	170	1.50	-	42.94	41.13	12.99	34.57

802.11ac VHT40_Nss1,(MCS0)_2TX

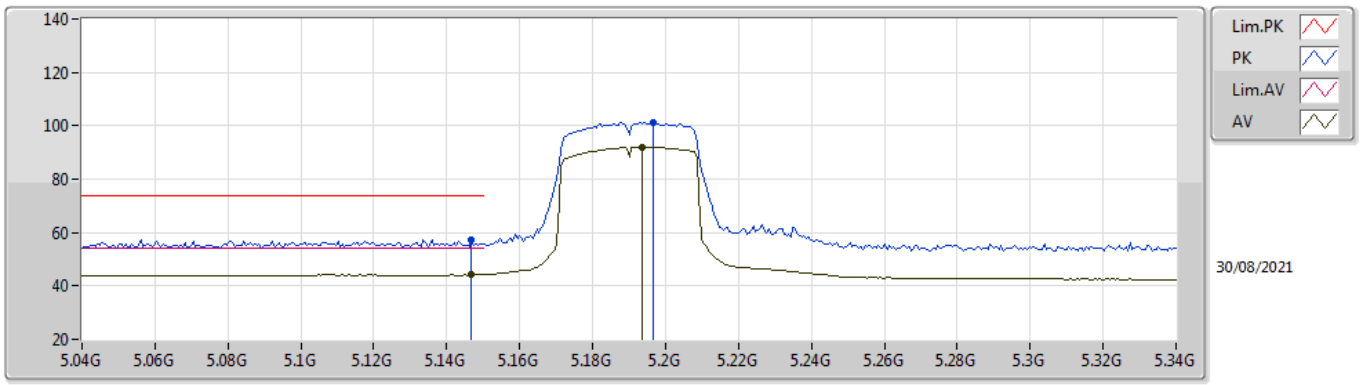
5190MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1492G	53.52	54.00	-0.48	4.01	3	Vertical	33	1.50	-	49.51	31.90	6.87	34.76
AV	5.1918G	102.45	Inf	-Inf	3.86	3	Vertical	33	1.50	-	98.59	31.73	6.89	34.76
PK	5.1414G	70.30	74.00	-3.70	4.01	3	Vertical	33	1.50	-	66.29	31.90	6.87	34.76
PK	5.1966G	111.78	Inf	-Inf	3.84	3	Vertical	33	1.50	-	107.94	31.71	6.89	34.76

802.11ac VHT40_Nss1,(MCS0)_2TX

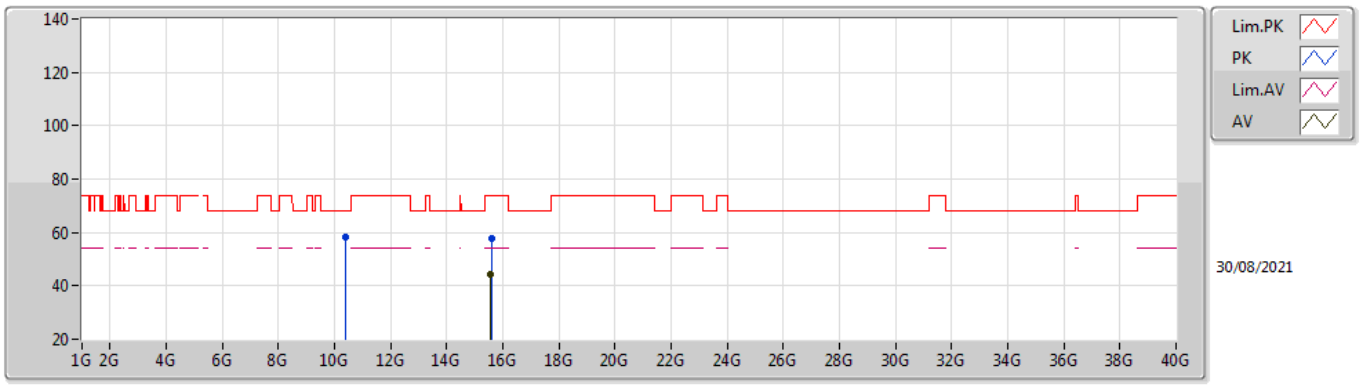
5190MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1468G	44.23	54.00	-9.77	4.01	3	Horizontal	296	1.44	-	40.22	31.90	6.87	34.76
AV	5.1936G	92.12	Inf	-Inf	3.86	3	Horizontal	296	1.44	-	88.26	31.73	6.89	34.76
PK	5.1468G	57.10	74.00	-16.90	4.01	3	Horizontal	296	1.44	-	53.09	31.90	6.87	34.76
PK	5.1966G	101.37	Inf	-Inf	3.84	3	Horizontal	296	1.44	-	97.53	31.71	6.89	34.76

802.11ac VHT40_Nss1,(MCS0)_2TX

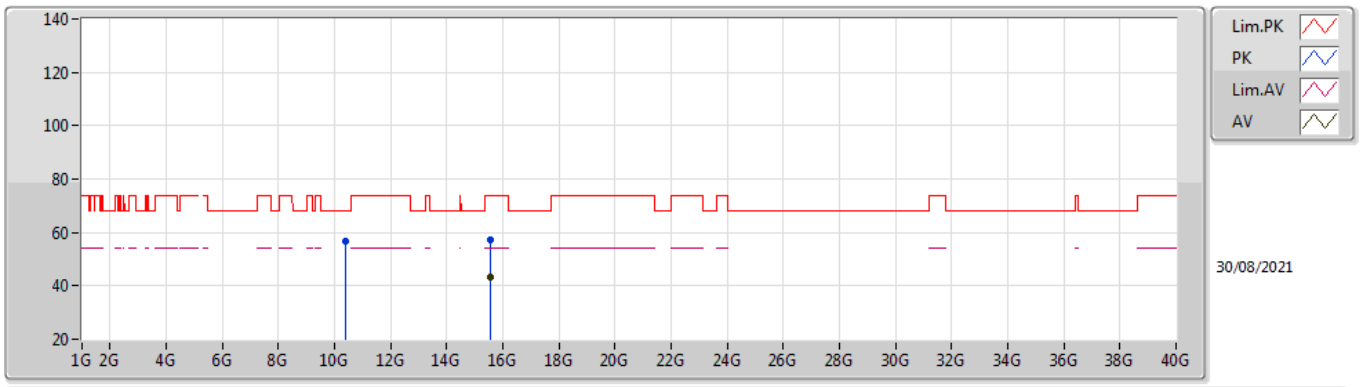
5190MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.5732G	44.38	54.00	-9.62	15.31	3	Vertical	8	1.75	-	29.07	38.11	12.14	34.94
PK	10.37986G	58.44	68.20	-9.76	13.63	3	Vertical	339	1.00	-	44.81	39.64	9.00	35.01
PK	15.5822G	57.68	74.00	-16.32	15.26	3	Vertical	8	1.75	-	42.42	38.07	12.14	34.95

802.11ac VHT40_Nss1,(MCS0)_2TX

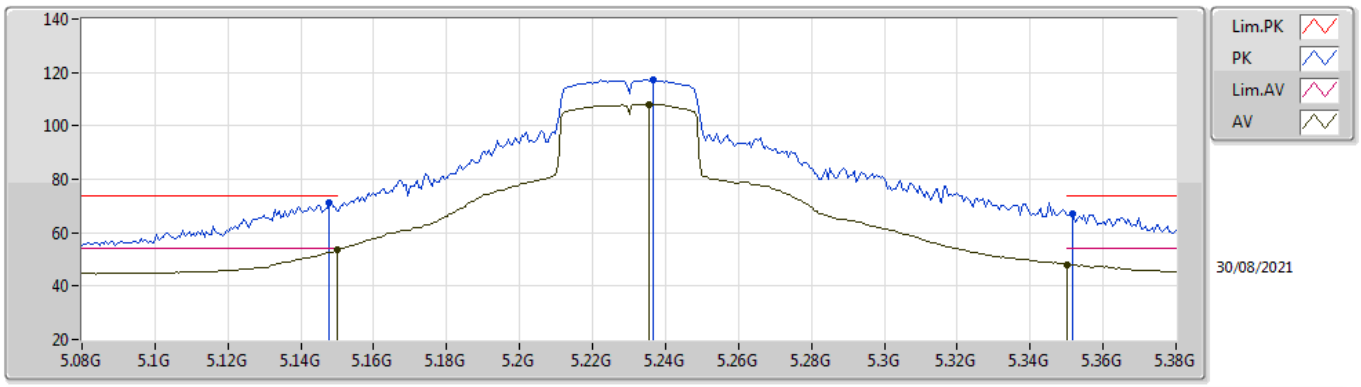
5190MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.5714G	43.39	54.00	-10.61	15.30	3	Horizontal	0	2.07	-	28.09	38.11	12.13	34.94
PK	10.38128G	56.78	68.20	-11.42	13.63	3	Horizontal	346	2.95	-	43.15	39.64	9.00	35.01
PK	15.5664G	57.29	74.00	-16.71	15.32	3	Horizontal	0	2.07	-	41.97	38.13	12.13	34.94

802.11ac VHT40_Nss1,(MCS0)_2TX

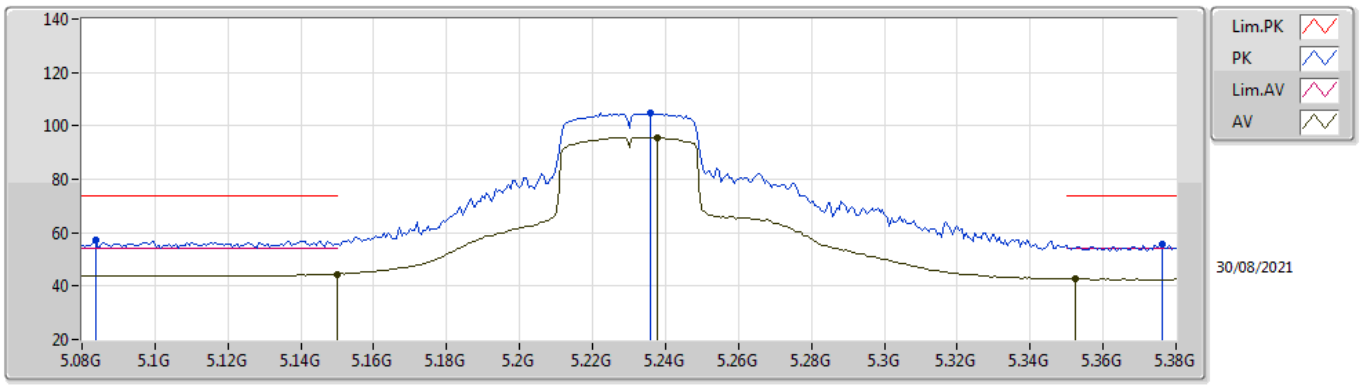
5230MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	53.65	54.00	-0.35	4.01	3	Vertical	339	1.50	-	49.64	31.90	6.87	34.76
AV	5.2354G	108.07	Inf	-Inf	3.73	3	Vertical	339	1.50	-	104.34	31.56	6.93	34.76
AV	5.35G	48.13	54.00	-5.87	3.49	3	Vertical	339	1.50	-	44.64	31.20	7.06	34.77
PK	5.1478G	71.02	74.00	-2.98	4.01	3	Vertical	339	1.50	-	67.01	31.90	6.87	34.76
PK	5.2366G	117.42	Inf	-Inf	3.72	3	Vertical	339	1.50	-	113.70	31.55	6.93	34.76
PK	5.3518G	67.32	74.00	-6.68	3.50	3	Vertical	339	1.50	-	63.82	31.21	7.06	34.77

802.11ac VHT40_Nss1,(MCS0)_2TX

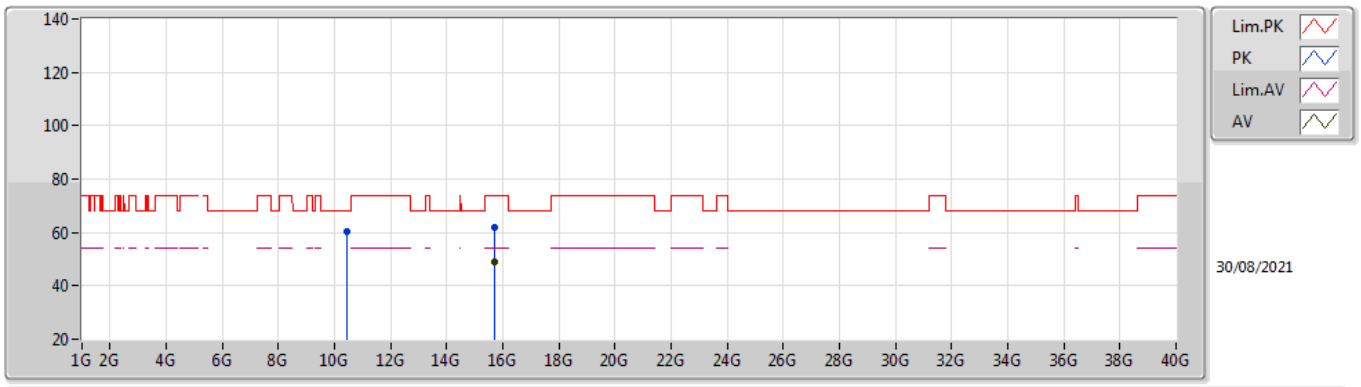
5230MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	44.55	54.00	-9.45	4.01	3	Horizontal	285	1.50	-	40.54	31.90	6.87	34.76
AV	5.2378G	95.63	Inf	-Inf	3.72	3	Horizontal	285	1.50	-	91.91	31.55	6.93	34.76
AV	5.3524G	42.64	54.00	-11.36	3.51	3	Horizontal	285	1.50	-	39.13	31.21	7.07	34.77
PK	5.0836G	57.24	74.00	-16.76	3.91	3	Horizontal	285	1.50	-	53.33	31.83	6.84	34.76
PK	5.236G	104.62	Inf	-Inf	3.73	3	Horizontal	285	1.50	-	100.89	31.56	6.93	34.76
PK	5.3764G	55.66	74.00	-18.34	3.63	3	Horizontal	285	1.50	-	52.03	31.31	7.09	34.77

802.11ac VHT40_Nss1,(MCS0)_2TX

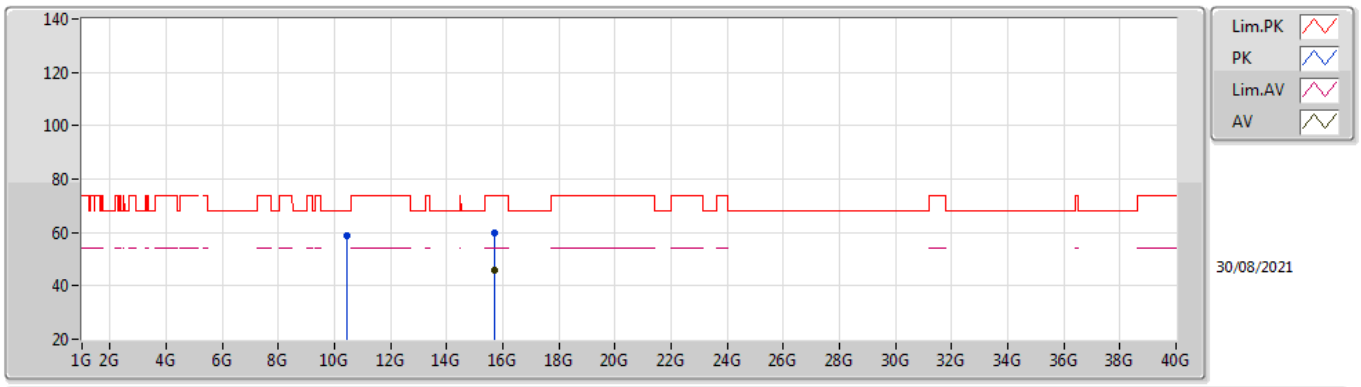
5230MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.69348G	48.82	54.00	-5.18	14.97	3	Vertical	360	1.96	-	33.85	37.72	12.26	35.01
PK	10.46036G	60.38	68.20	-7.82	13.96	3	Vertical	351	2.92	-	46.42	39.88	9.02	34.94
PK	15.6909G	62.08	74.00	-11.92	14.97	3	Vertical	360	1.96	-	47.11	37.73	12.25	35.01

802.11ac VHT40_Nss1,(MCS0)_2TX

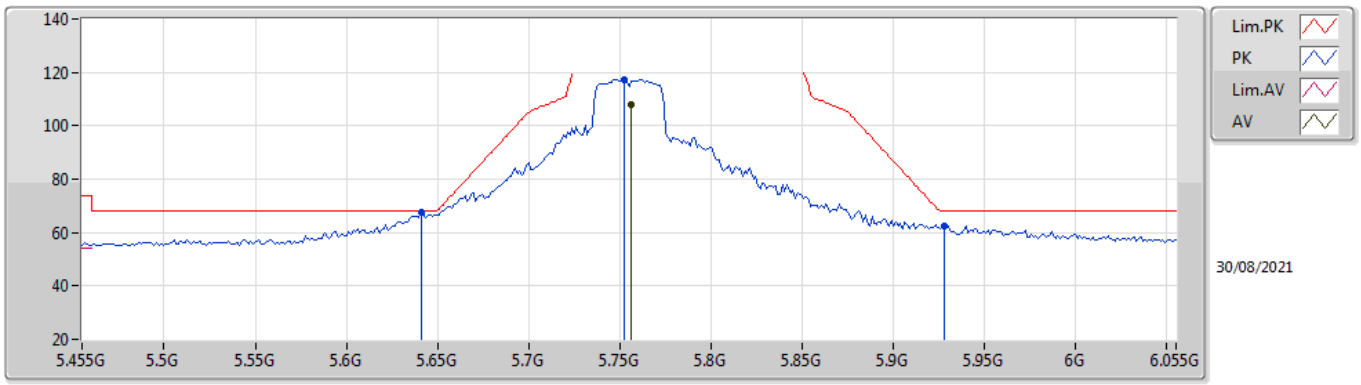
5230MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.6936G	46.07	54.00	-7.93	14.97	3	Horizontal	9	2.89	-	31.10	37.72	12.26	35.01
PK	10.46096G	58.93	68.20	-9.27	13.96	3	Horizontal	303	2.08	-	44.97	39.88	9.02	34.94
PK	15.68784G	59.72	74.00	-14.28	14.98	3	Horizontal	9	2.89	-	44.74	37.74	12.25	35.01

802.11ac VHT40_Nss1,(MCS0)_2TX

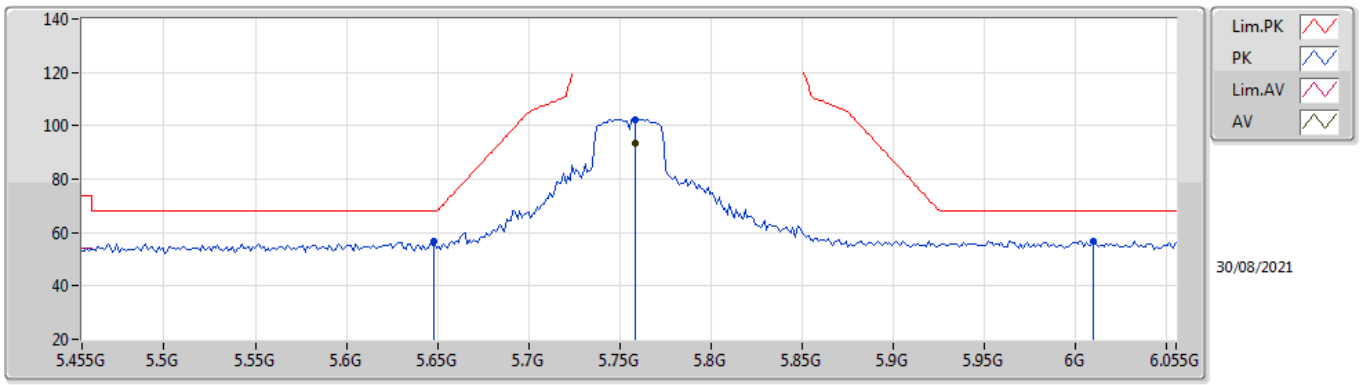
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7562G	108.11	Inf	-Inf	4.17	3	Vertical	186	1.66	-	103.94	32.01	6.93	34.77
PK	5.641G	67.71	68.20	-0.49	3.90	3	Vertical	186	1.66	-	63.81	31.70	6.97	34.77
PK	5.7526G	117.44	Inf	-Inf	4.17	3	Vertical	186	1.66	-	113.27	32.01	6.93	34.77
PK	5.9278G	62.31	68.20	-5.89	5.06	3	Vertical	186	1.66	-	57.25	32.36	7.47	34.77

802.11ac VHT40_Nss1,(MCS0)_2TX

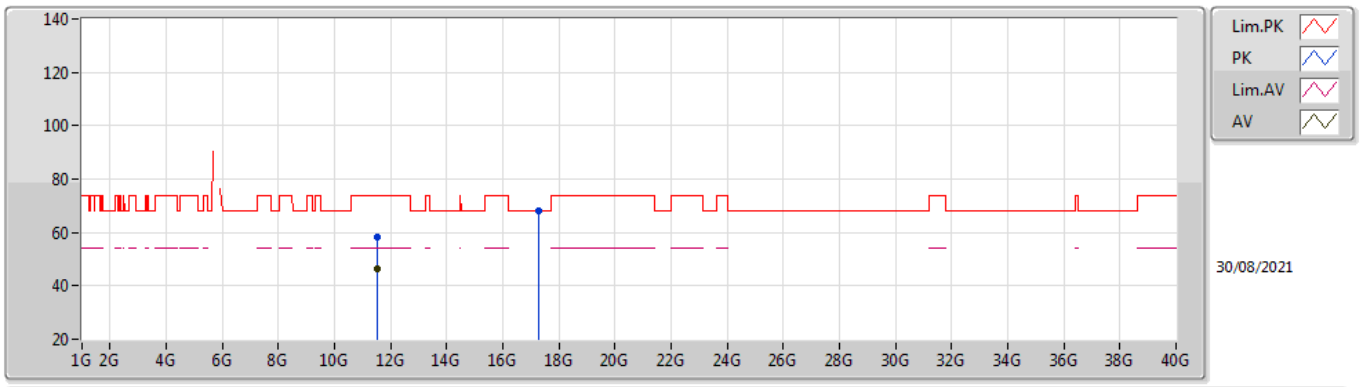
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7586G	93.62	Inf	-Inf	4.18	3	Horizontal	77	1.50	-	89.44	32.02	6.93	34.77
PK	5.6482G	56.72	68.20	-11.48	3.90	3	Horizontal	77	1.50	-	52.82	31.70	6.97	34.77
PK	5.7586G	102.31	Inf	-Inf	4.18	3	Horizontal	77	1.50	-	98.13	32.02	6.93	34.77
PK	6.0094G	56.94	68.20	-11.26	5.39	3	Horizontal	77	1.50	-	51.55	32.40	7.76	34.77

802.11ac VHT40_Nss1,(MCS0)_2TX

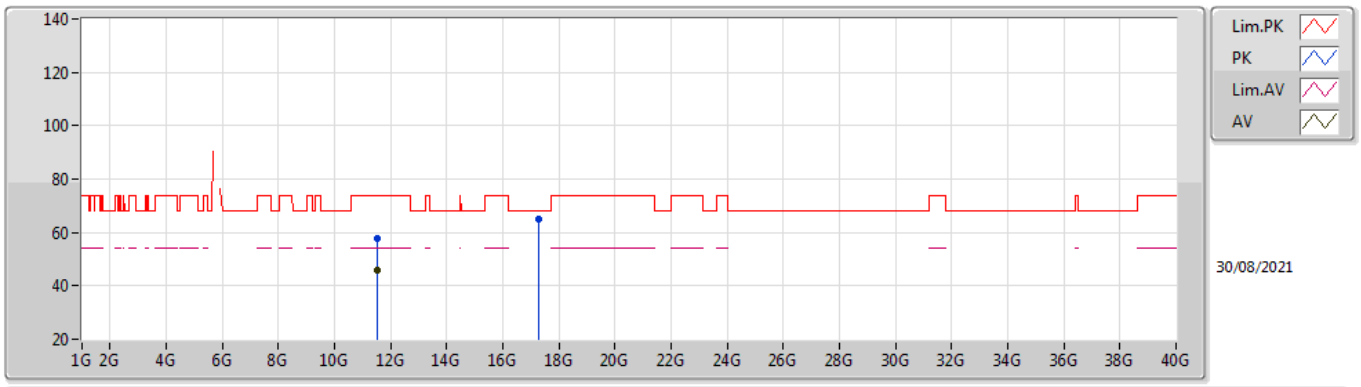
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.50992G	46.21	54.00	-7.79	14.66	3	Vertical	319	1.70	-	31.55	39.90	9.37	34.61
PK	11.51168G	58.09	74.00	-15.91	14.66	3	Vertical	319	1.70	-	43.43	39.90	9.37	34.61
PK	17.2626G	68.00	68.20	-0.20	18.44	3	Vertical	15	1.00	-	49.56	39.80	12.93	34.29

802.11ac VHT40_Nss1,(MCS0)_2TX

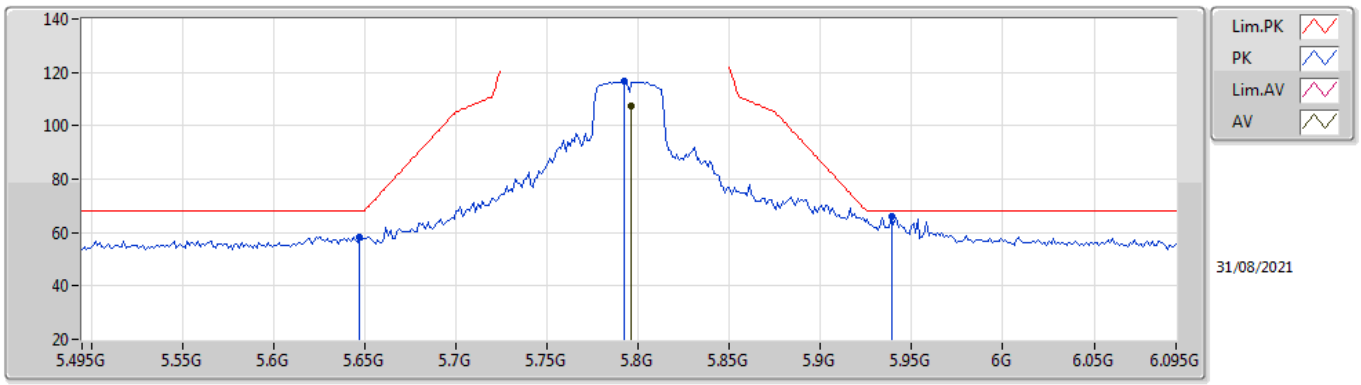
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.51G	45.97	54.00	-8.03	14.66	3	Horizontal	332	1.76	-	31.31	39.90	9.37	34.61
PK	11.51024G	57.85	74.00	-16.15	14.66	3	Horizontal	332	1.76	-	43.19	39.90	9.37	34.61
PK	17.26308G	65.15	68.20	-3.05	18.44	3	Horizontal	0	1.78	-	46.71	39.80	12.93	34.29

802.11ac VHT40_Nss1,(MCS0)_2TX

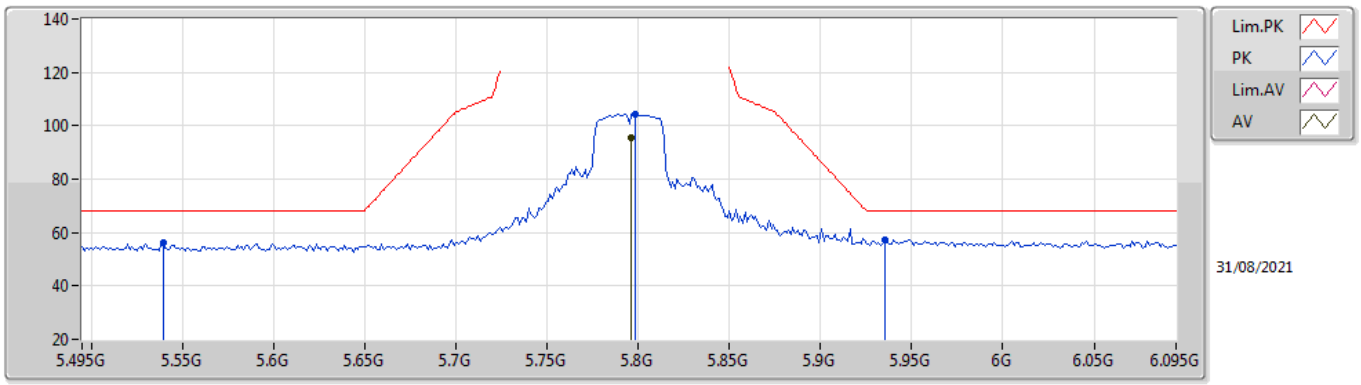
5795MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7962G	107.55	Inf	-Inf	4.23	3	Vertical	335	1.77	-	103.32	32.09	6.91	34.77
PK	5.6474G	58.49	68.20	-9.71	3.90	3	Vertical	335	1.77	-	54.59	31.70	6.97	34.77
PK	5.7926G	116.81	Inf	-Inf	4.23	3	Vertical	335	1.77	-	112.58	32.09	6.91	34.77
PK	5.939G	66.26	68.20	-1.94	5.13	3	Vertical	335	1.77	-	61.13	32.38	7.52	34.77

802.11ac VHT40_Nss1,(MCS0)_2TX

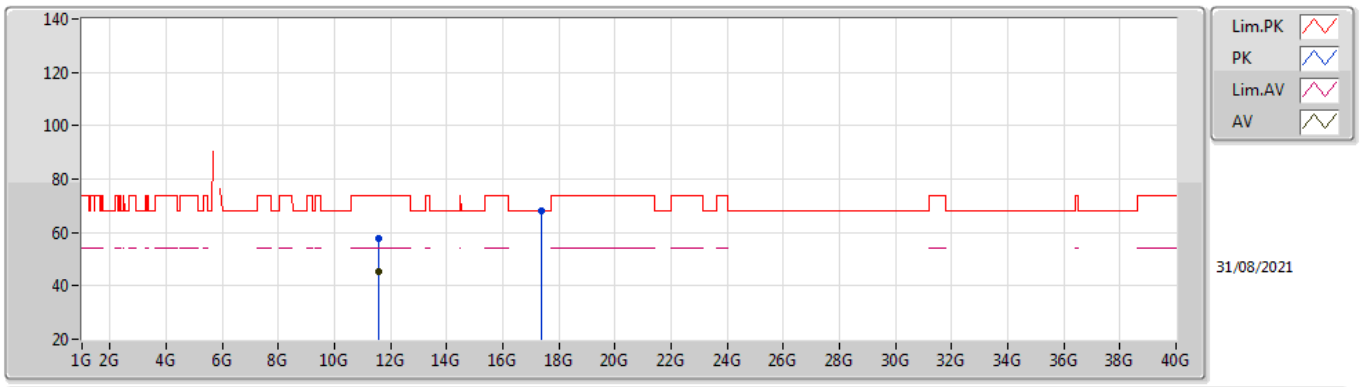
5795MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7962G	95.64	Inf	-Inf	4.23	3	Horizontal	79	1.46	-	91.41	32.09	6.91	34.77
PK	5.5394G	55.99	68.20	-12.21	3.96	3	Horizontal	79	1.46	-	52.03	31.70	7.03	34.77
PK	5.7986G	104.35	Inf	-Inf	4.24	3	Horizontal	79	1.46	-	100.11	32.10	6.91	34.77
PK	5.9354G	57.42	68.20	-10.78	5.11	3	Horizontal	79	1.46	-	52.31	32.37	7.51	34.77

802.11ac VHT40_Nss1,(MCS0)_2TX

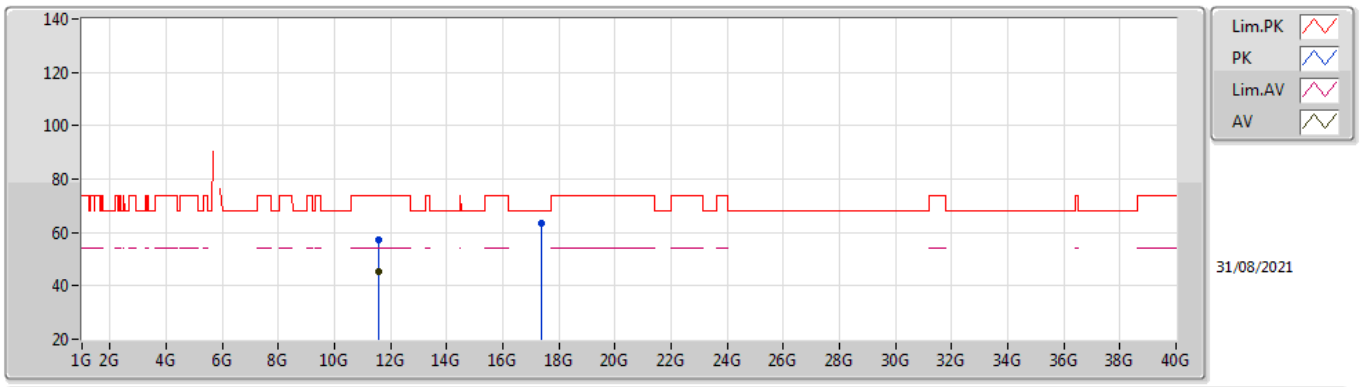
5795MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.58976G	45.32	54.00	-8.68	14.65	3	Vertical	319	1.76	-	30.67	39.90	9.39	34.64
PK	11.59472G	57.78	74.00	-16.22	14.66	3	Vertical	319	1.76	-	43.12	39.90	9.40	34.64
PK	17.40044G	67.85	68.20	-0.35	19.19	3	Vertical	13	1.00	-	48.66	40.70	12.97	34.48

802.11ac VHT40_Nss1,(MCS0)_2TX

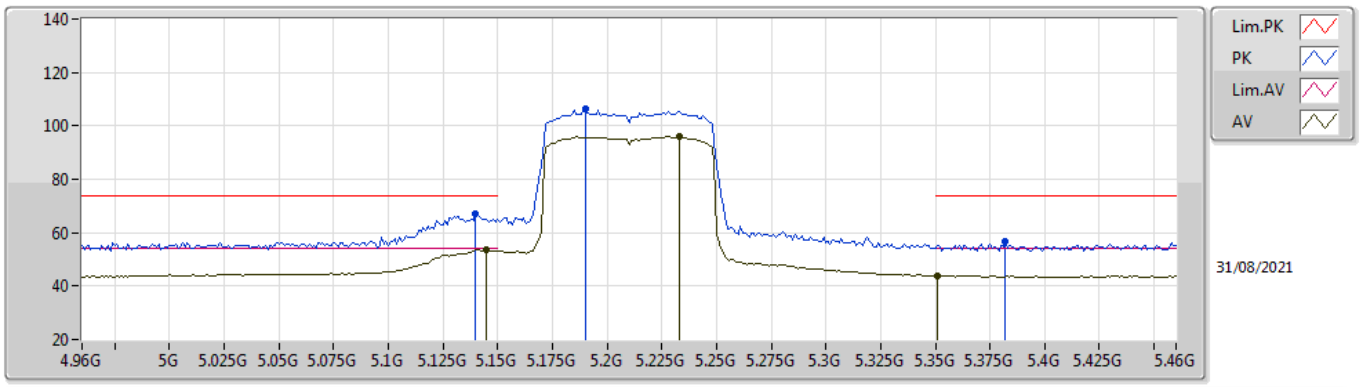
5795MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.59008G	45.11	54.00	-8.89	14.65	3	Horizontal	331	1.96	-	30.46	39.90	9.39	34.64
PK	11.59072G	57.40	74.00	-16.60	14.65	3	Horizontal	331	1.96	-	42.75	39.90	9.39	34.64
PK	17.38804G	63.28	68.20	-4.92	19.09	3	Horizontal	0	1.81	-	44.19	40.59	12.96	34.46

802.11ac VHT80_Nss1,(MCS0)_2TX

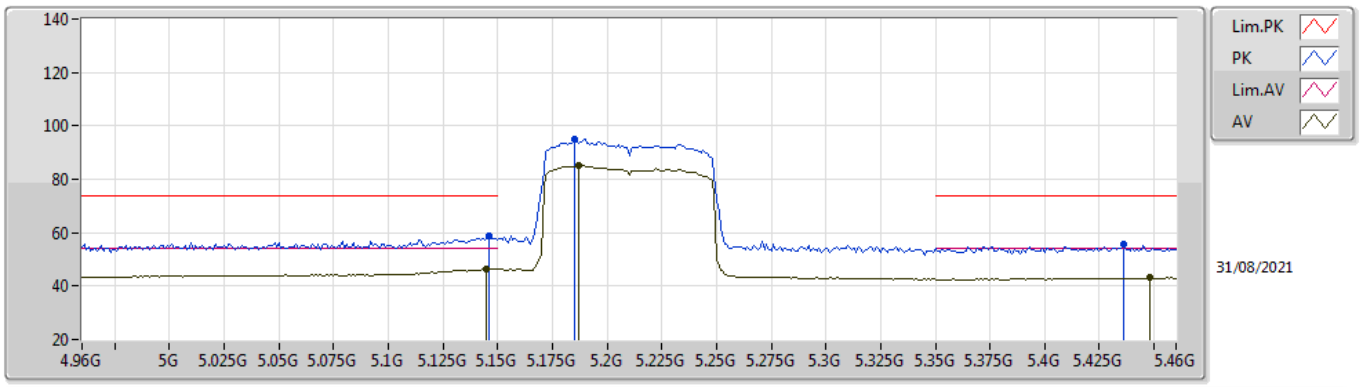
5210MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.145G	53.49	54.00	-0.51	4.01	3	Vertical	336	1.38	-	49.48	31.90	6.87	34.76
AV	5.233G	95.98	Inf	-Inf	3.74	3	Vertical	336	1.38	-	92.24	31.57	6.93	34.76
AV	5.351G	43.92	54.00	-10.08	3.49	3	Vertical	336	1.38	-	40.43	31.20	7.06	34.77
PK	5.14G	67.00	74.00	-7.00	4.01	3	Vertical	336	1.38	-	62.99	31.90	6.87	34.76
PK	5.19G	106.13	Inf	-Inf	3.87	3	Vertical	336	1.38	-	102.26	31.74	6.89	34.76
PK	5.382G	56.64	74.00	-17.36	3.66	3	Vertical	336	1.38	-	52.98	31.33	7.10	34.77

802.11ac VHT80_Nss1,(MCS0)_2TX

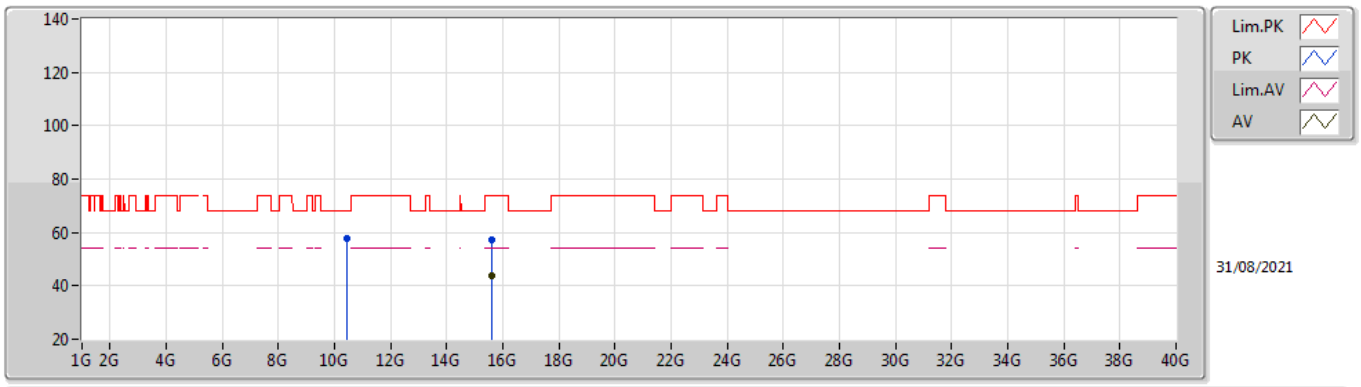
5210MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.145G	46.46	54.00	-7.54	4.01	3	Horizontal	291	1.50	-	42.45	31.90	6.87	34.76
AV	5.187G	85.06	Inf	-Inf	3.87	3	Horizontal	291	1.50	-	81.19	31.75	6.88	34.76
AV	5.448G	43.17	54.00	-10.83	3.91	3	Horizontal	291	1.50	-	39.26	31.59	7.09	34.77
PK	5.146G	58.55	74.00	-15.45	4.01	3	Horizontal	291	1.50	-	54.54	31.90	6.87	34.76
PK	5.185G	95.08	Inf	-Inf	3.88	3	Horizontal	291	1.50	-	91.20	31.76	6.88	34.76
PK	5.436G	55.46	74.00	-18.54	3.87	3	Horizontal	291	1.50	-	51.59	31.54	7.10	34.77

802.11ac VHT80_Nss1,(MCS0)_2TX

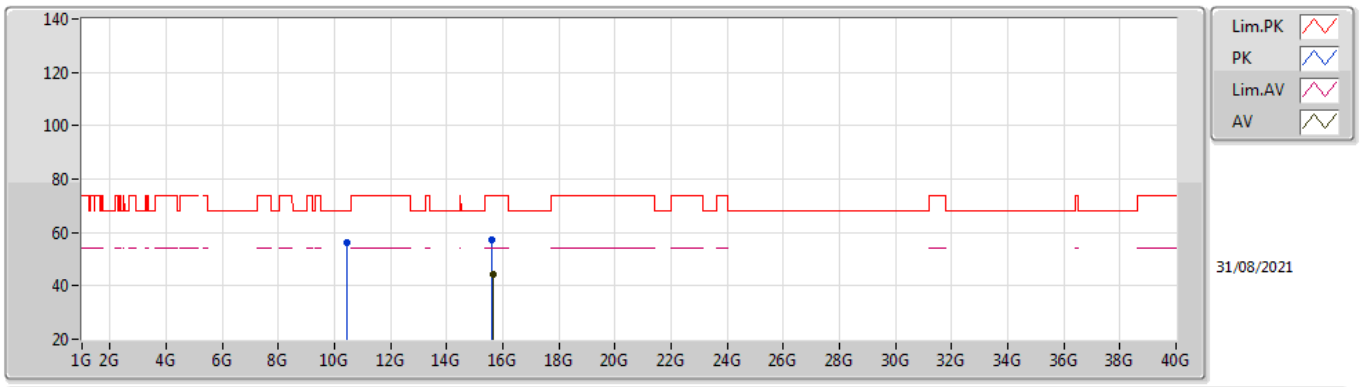
5210MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.6249G	43.98	54.00	-10.02	15.15	3	Vertical	38	1.50	-	28.83	37.93	12.19	34.97
PK	10.41989G	57.62	68.20	-10.58	13.80	3	Vertical	326	1.00	-	43.82	39.76	9.01	34.97
PK	15.62604G	57.17	74.00	-16.83	15.14	3	Vertical	38	1.50	-	42.03	37.92	12.19	34.97

802.11ac VHT80_Nss1,(MCS0)_2TX

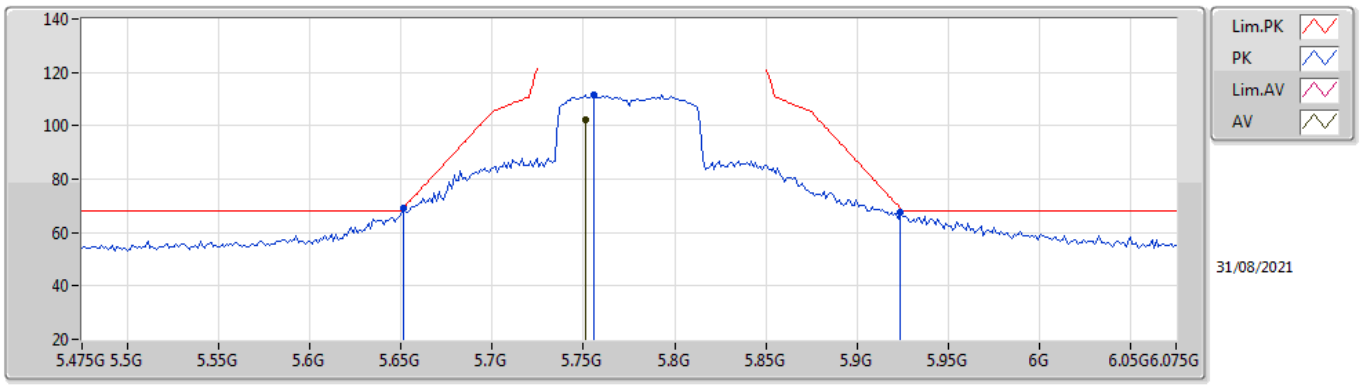
5210MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.63156G	44.22	54.00	-9.78	15.12	3	Horizontal	323	1.70	-	29.10	37.91	12.19	34.98
PK	10.42146G	56.20	68.20	-12.00	13.80	3	Horizontal	338	3.00	-	42.40	39.76	9.01	34.97
PK	15.62926G	57.16	74.00	-16.84	15.13	3	Horizontal	323	1.70	-	42.03	37.91	12.19	34.97

802.11ac VHT80_Nss1,(MCS0)_2TX

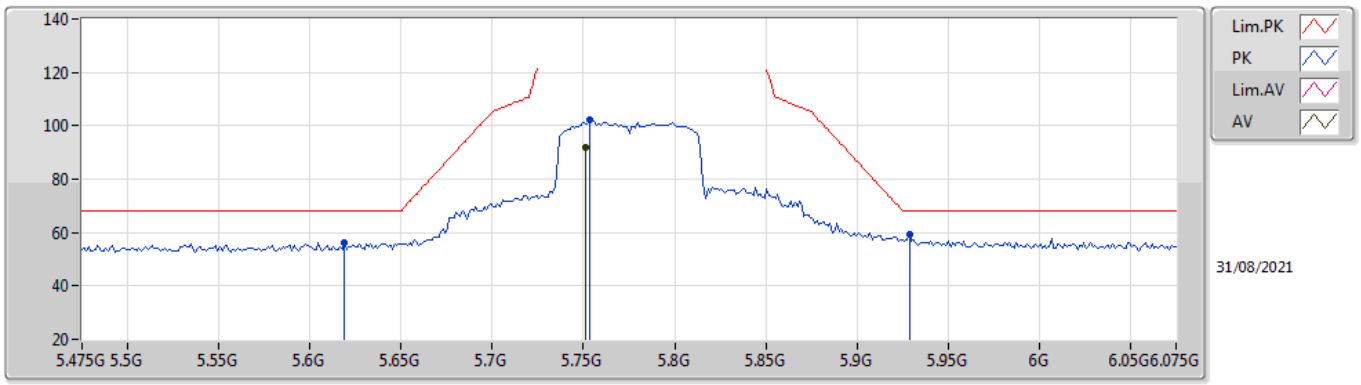
5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.751G	102.03	Inf	-Inf	4.16	3	Vertical	150	1.61	-	97.87	32.00	6.93	34.77
PK	5.6514G	68.90	69.24	-0.34	3.90	3	Vertical	150	1.61	-	65.00	31.70	6.97	34.77
PK	5.7558G	111.64	Inf	-Inf	4.17	3	Vertical	150	1.61	-	107.47	32.01	6.93	34.77
PK	5.9238G	67.39	69.09	-1.70	5.03	3	Vertical	150	1.61	-	62.36	32.35	7.45	34.77

802.11ac VHT80_Nss1,(MCS0)_2TX

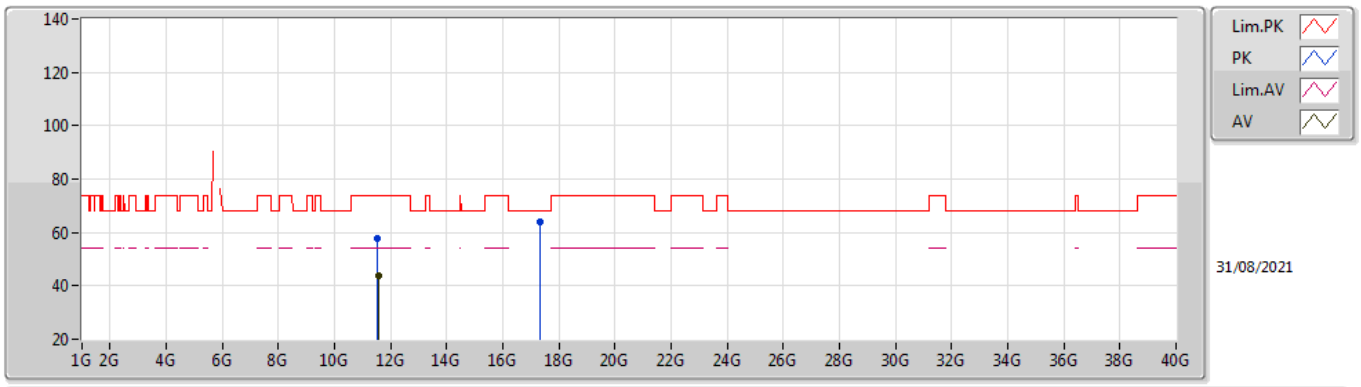
5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.751G	92.09	Inf	-Inf	4.16	3	Horizontal	256	1.60	-	87.93	32.00	6.93	34.77
PK	5.619G	56.06	68.20	-12.14	3.91	3	Horizontal	256	1.60	-	52.15	31.70	6.98	34.77
PK	5.7534G	102.20	Inf	-Inf	4.17	3	Horizontal	256	1.60	-	98.03	32.01	6.93	34.77
PK	5.9286G	59.06	68.20	-9.14	5.07	3	Horizontal	256	1.60	-	53.99	32.36	7.48	34.77

802.11ac VHT80_Nss1,(MCS0)_2TX

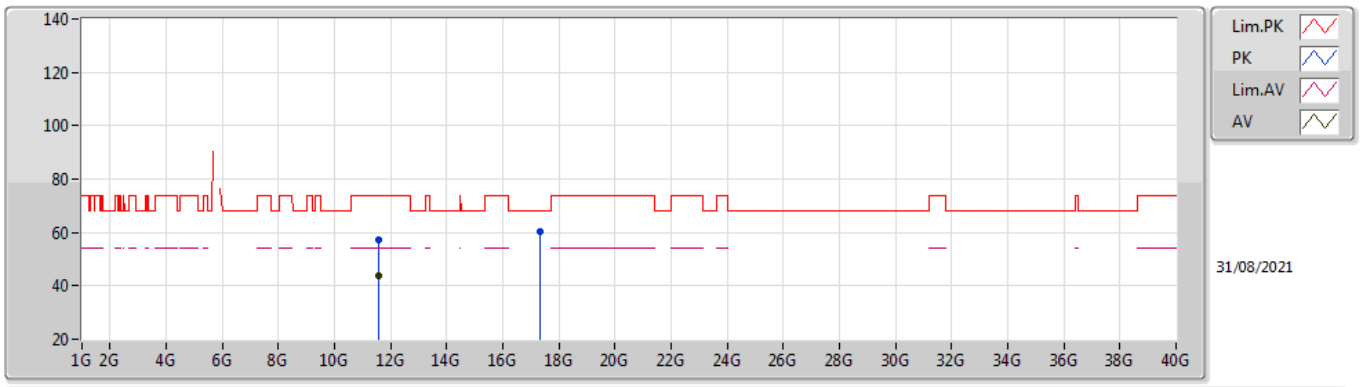
5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.55001G	43.66	54.00	-10.34	14.66	3	Vertical	320	1.82	-	29.00	39.90	9.38	34.62
PK	11.54887G	57.77	74.00	-16.23	14.66	3	Vertical	320	1.82	-	43.11	39.90	9.38	34.62
PK	17.32567G	63.88	68.20	-4.32	18.59	3	Vertical	10	1.76	-	45.29	40.03	12.94	34.38

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.54988G	43.73	54.00	-10.27	14.66	3	Horizontal	334	2.01	-	29.07	39.90	9.38	34.62
PK	11.55221G	57.10	74.00	-16.90	14.66	3	Horizontal	334	2.01	-	42.44	39.90	9.38	34.62
PK	17.31551G	60.20	68.20	-8.00	18.52	3	Horizontal	0	1.28	-	41.68	39.94	12.94	34.36