Testing Laboratory 3785

FCC Radio Test Report

FCC ID	:	**UIDTG3442P3**
Equipment	:	**Telephone Gateway**
Brand Name	:	**ARRIS**
Model Name	:	**TG3442**
Applicant	:	**ARRIS** **3871 Lakefield Drive, Suite 300,** **Suwanee, GA 30024**
Manufacturer	:	**ARRIS** **3871 Lakefield Drive, Suite 300,** **Suwanee, GA 30024**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Jun. 27, 2022, and testing was started from Jul. 01, 2022 and completed on Jul. 13, 2022. 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: Jackson Tsai

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
FR262504AN	01	Initial issue of report	Oct. 26, 2022

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: Ryan Hsiao

Report Producer: Ann Hou

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	4TX
5.725-5.85GHz	802.11a	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX

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.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Galtronics	02036142-06325A1	PIFA	mini-muruta
2	Galtronics	02036142-06325B1	PIFA	mini-muruta
3	Galtronics	02036142-06325B2	PIFA	mini-muruta
4	Galtronics	02036142-06325A2	PIFA	mini-muruta

Ant.	Port	Gain (dBi)				
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3
1	1	2.43	2.42	2.61	2.44	2.59
2	2	2.35	2.78	2.86	2.17	2.01
3	3	2.22	2.13	2.53	2.42	2.02
4	4	-	2.61	2.41	2.78	2.51

Composite Gain (dBi)					
	2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3
DG (1SS)	4.49	4.92	4.78	3.88	4.53
DG (2SS)	2.43	2.78	2.86	2.78	2.59
DG (4SS)	-	2.78	2.86	2.78	2.59

Note 1: The EUT has four antennas.

Note 2: EUT can match with above antennas for using. Higher gain in each antenna was used to perform the worst configuration and result of that was recorded as the final test result.

For 2.4GHz function:

For IEEE 802.11 b mode (1TX/1RX)

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

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

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

For 5GHz function:

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

Ant. 1 (port 1), Ant. 2 (port 2), Ant. 3 (port 3) and Ant. 4 (port 4) 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	☐	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)_4TX	0.634	1.98	1.398m	1k
802.11ac VHT20_Nss1,(MCS0)_4TX	0.692	1.6	1.318m	1k
802.11ac VHT40_Nss1,(MCS0)_4TX	0.709	1.49	657.5u	3k
802.11ac VHT80_Nss1,(MCS0)_4TX	0.674	1.71	325.625u	10k

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 662911 D03 v01
- 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	Wayne	22.6~22.9°C / 54~56%	07/Jul/2022
RF Conducted	TH07-HY	Yuna	23.8~25.6°C / 60~67%	06/Jul/2022~07/Jul/2022
Radiated	03CH03-HY	Edward	23.5~24.2°C / 50~60%	01/Jul/2022~11/Jul/2022
Radiated (Co-location)	03CH03-HY	Edward	22.1~23.5°C / 50~60%	13/Jul/2022
☐ Wen 33rd.St. **(TAF:** 3785**)**	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		**FAX:** 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	**Uncertainty**	**Remark**
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Emission Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Unwanted Emissions	4.8 dB	Confidence levels of 95%
Receiver Radiated Unwanted Emissions	4.8 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	PuTTY Release0.72

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	22 20 26 21
5200MHz	32 30 36 31
5240MHz	26 26 30 25
5745MHz	31 27 34 30
5785MHz	36 32 39 35
5825MHz	37 33 40 36
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	25 23 30 24
5200MHz	25 23 30 24
5240MHz	26 26 30 25
5745MHz	34 29 34 29
5785MHz	39 34 39 34
5825MHz	42 39 42 39
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	17 15 20 16
5230MHz	27 25 30 25
5755MHz	28 26 32 29
5795MHz	39 37 42 40
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	14 12 17 13
5775MHz	25 22 26 25

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	**Y Plane**
	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA262504 for Co-location RF Exposure Evaluation and Appendix F for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
AC Adapter	Brand Name	ADP	Model Name	WB-30C12FU
	Power Rating	I/P: 100-240Vac, 0.9A, O/P: 12Vdc, 2.5A		
	Power Cord	1.8 meter, non-shielded cable, w/o ferrite core		
RJ45 Cable	Power Cord	1.5 meter, non-shielded cable		

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

2.4 Support Equipment

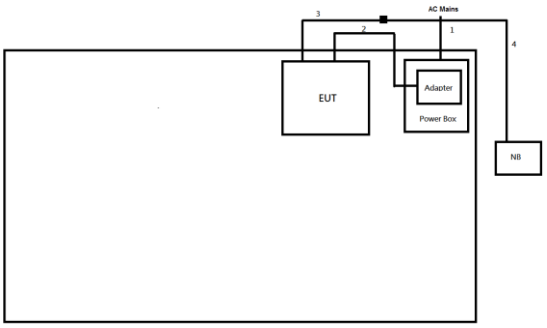
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	RJ45 Cable	Power Sync	CAT-6E-10	-	Remote
2	Notebook	HP	HSTNN-142C	-	Remote

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	RJ45 Cable	Power Sync	CAT-6E-10	-	Remote
2	Notebook	HP	HSTNN-142C	-	Remote

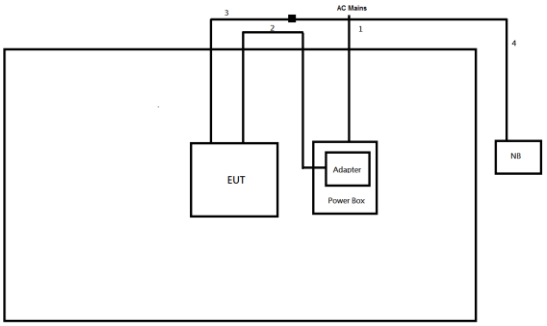
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length (m)
1	AC Power cable	No	1.8
2	DC Power cable	No	1.8
3	RJ45 cable	No	1.5
4	RJ45 cable	No	10

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length (m)
1	AC Power cable	No	1.8
2	DC Power cable	No	1.8
3	RJ45 cable	No	1.5
4	RJ45 cable	No	10

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

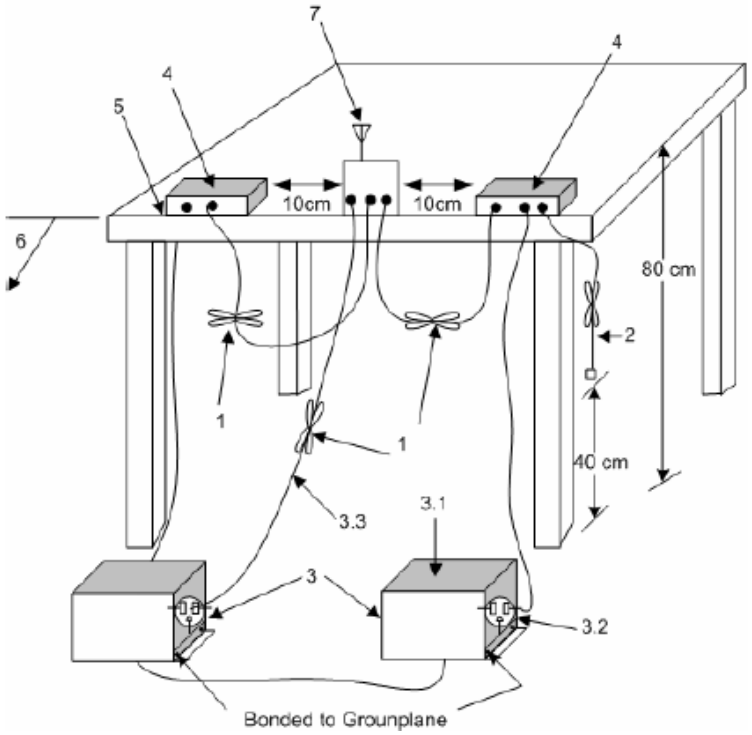
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 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.

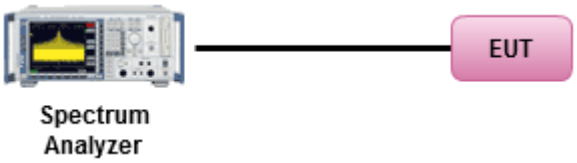
3.2.2 Measuring Instruments

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.	

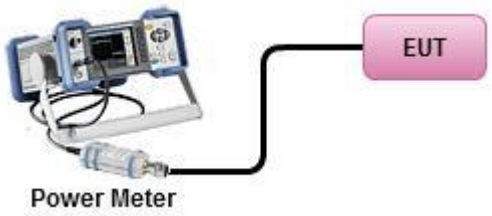
3.3.2 Measuring Instruments

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.	

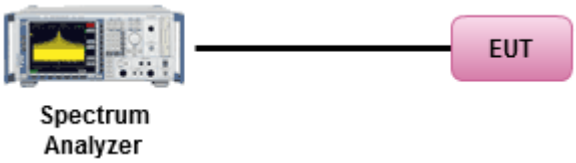
3.4.2 Measuring Instruments

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.

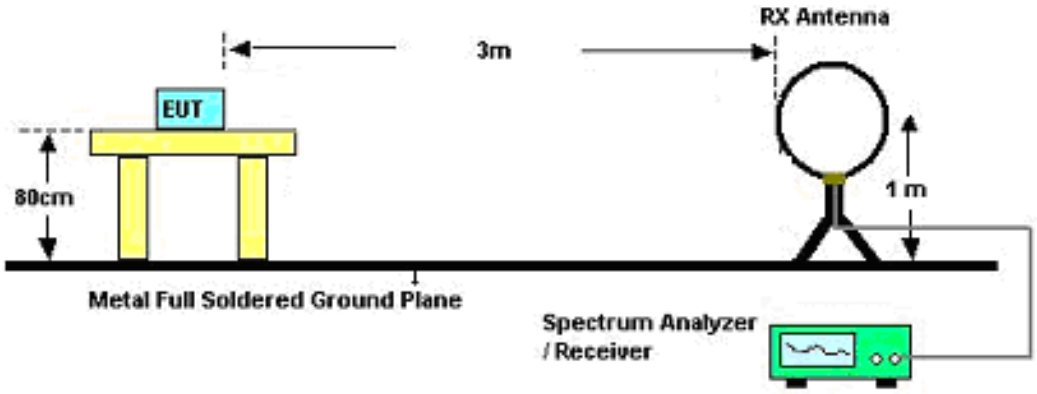
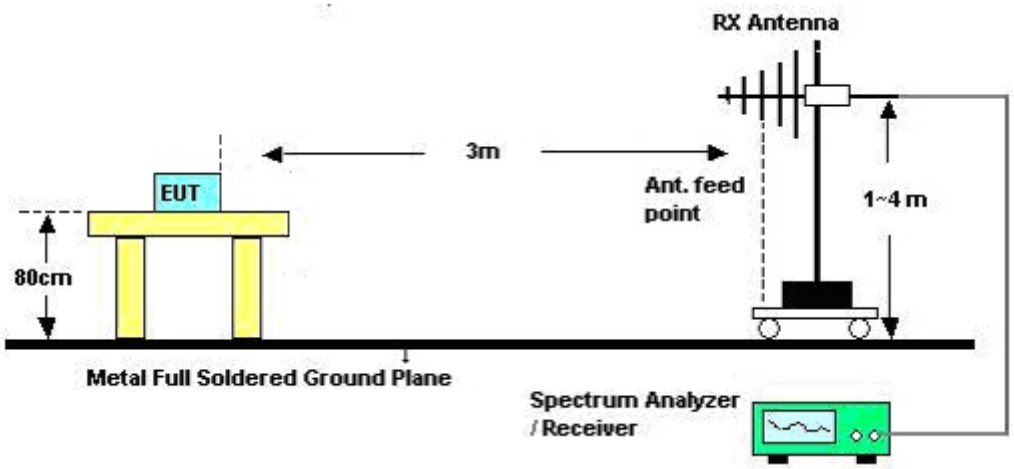
3.5.3 Test Procedures

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.

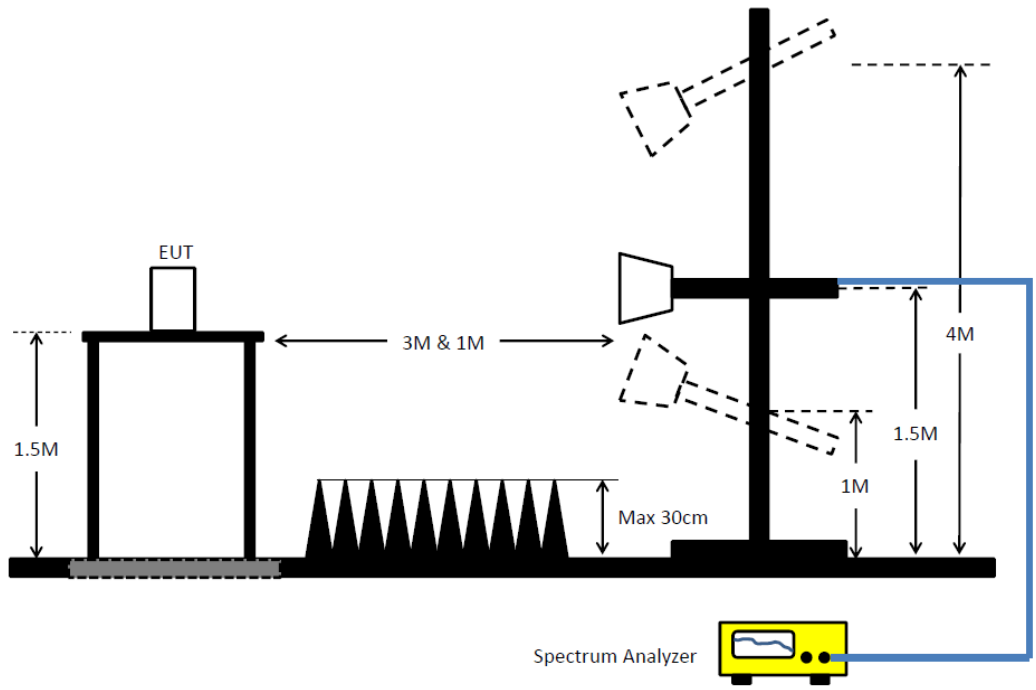
3.5.4 Measurement Results Calculation

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	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.14	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	14/Feb/2022	13/Feb/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Dec/2021	16/Dec/2022
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	20/Dec/2021	19/Dec/2022
SENSE-15407_NII	Sporton	V5.10.8.3	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	03/Aug/2021	02/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	08/Apr/2022	07/Apr/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	14/Sep/2021	13/Sep/2022
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	17/Oct/2021	16/Oct/2022
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	13/Jun/2022	12/Jun/2023
RF Cable-R03m	Jye Bao	RG142	MY37335/4+CB021-1+CB021-2	30MHz~1GHz	22/Mar/2022	21/Mar/2023
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	13/May/2022	12/May/2023
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	15/Jul/2021	14/Jul/2022
SENSE-15209_NII	Sporton	v5.10.8.3	NA	NA	NA	NA

Instrument for Radiated Test (Co-locaiton)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	14/Sep/2021	13/Sep/2022
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	15/Jul/2021	14/Jul/2022
SENSE-15209_NII	Sporton	v5.10.8.3	NA	NA	NA	NA

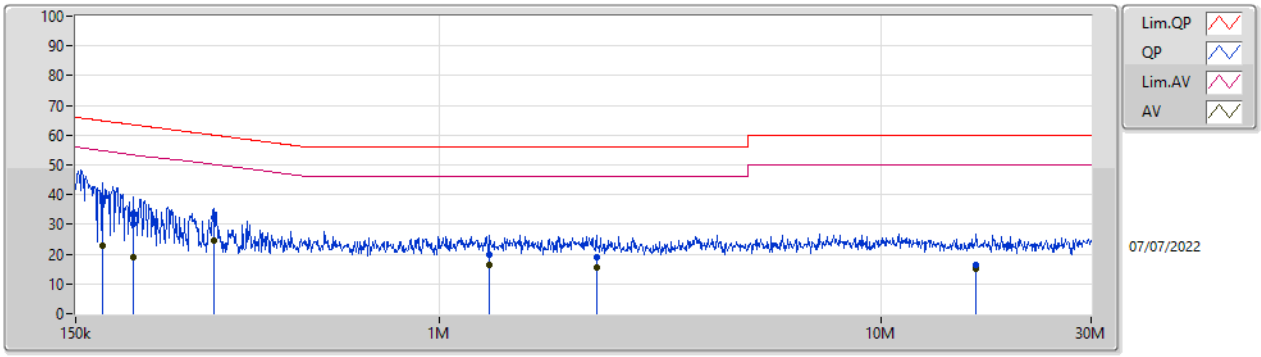
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	308.954k	24.62	50.00	-25.38	Line

Result

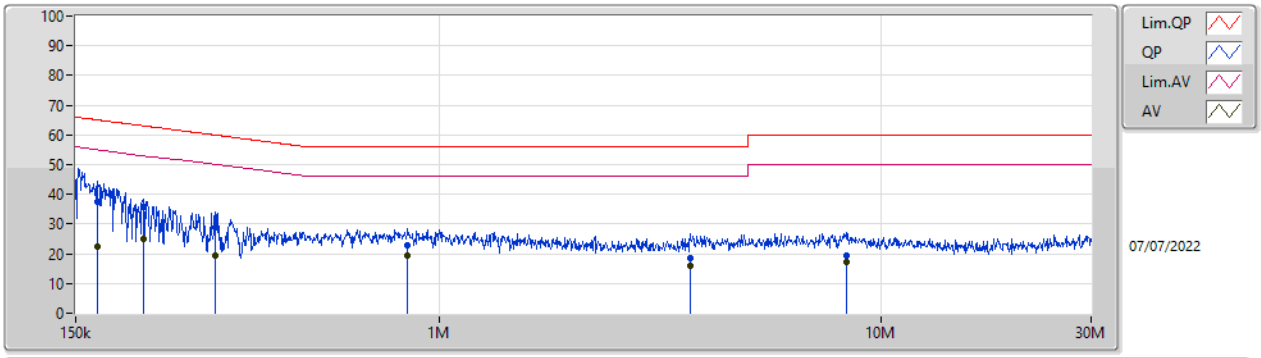
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	172.493k	37.36	64.83	-27.47	Line	-
Mode 1	Pass	AV	172.493k	22.85	54.83	-31.98	Line	-
Mode 1	Pass	QP	203.167k	30.13	63.48	-33.35	Line	-
Mode 1	Pass	AV	203.167k	19.13	53.48	-34.35	Line	-
Mode 1	Pass	QP	308.954k	32.52	60.00	-27.48	Line	-
Mode 1	Pass	AV	308.954k	24.62	50.00	-25.38	Line	-
Mode 1	Pass	QP	1.3M	19.62	56.00	-36.38	Line	-
Mode 1	Pass	AV	1.3M	16.22	46.00	-29.78	Line	-
Mode 1	Pass	QP	2.274M	19.18	56.00	-36.82	Line	-
Mode 1	Pass	AV	2.274M	15.72	46.00	-30.28	Line	-
Mode 1	Pass	QP	16.469M	16.53	60.00	-43.47	Line	-
Mode 1	Pass	AV	16.469M	14.92	50.00	-35.08	Line	-
Mode 1	Pass	QP	168.41k	37.64	65.04	-27.40	Neutral	-
Mode 1	Pass	AV	168.41k	22.58	55.04	-32.46	Neutral	-
Mode 1	Pass	QP	213.989k	35.71	63.06	-27.35	Neutral	-
Mode 1	Pass	AV	213.989k	25.01	53.06	-28.05	Neutral	-
Mode 1	Pass	QP	310.189k	28.94	59.96	-31.02	Neutral	-
Mode 1	Pass	AV	310.189k	19.30	49.96	-30.66	Neutral	-
Mode 1	Pass	QP	848.248k	22.85	56.00	-33.15	Neutral	-
Mode 1	Pass	AV	848.248k	19.32	46.00	-26.68	Neutral	-
Mode 1	Pass	QP	3.701M	18.32	56.00	-37.68	Neutral	-
Mode 1	Pass	AV	3.701M	15.91	46.00	-30.09	Neutral	-
Mode 1	Pass	QP	8.355M	19.61	60.00	-40.39	Neutral	-
Mode 1	Pass	AV	8.355M	17.17	50.00	-32.83	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	172.493k	37.36	64.83	-27.47	19.63	Line	-	17.73	9.69	0.03	9.91
AV	172.493k	22.85	54.83	-31.98	19.63	Line	-	3.22	9.69	0.03	9.91
QP	203.167k	30.13	63.48	-33.35	19.63	Line	-	10.50	9.69	0.03	9.91
AV	203.167k	19.13	53.48	-34.35	19.63	Line	-	-0.50	9.69	0.03	9.91
QP	308.954k	32.52	60.00	-27.48	19.63	Line	-	12.89	9.68	0.04	9.91
AV	308.954k	24.62	50.00	-25.38	19.63	Line	-	4.99	9.68	0.04	9.91
QP	1.3M	19.62	56.00	-36.38	19.67	Line	-	-0.05	9.69	0.06	9.92
AV	1.3M	16.22	46.00	-29.78	19.67	Line	-	-3.45	9.69	0.06	9.92
QP	2.274M	19.18	56.00	-36.82	19.71	Line	-	-0.53	9.70	0.09	9.92
AV	2.274M	15.72	46.00	-30.28	19.71	Line	-	-3.99	9.70	0.09	9.92
QP	16.469M	16.53	60.00	-43.47	19.98	Line	-	-3.45	9.80	0.25	9.93
AV	16.469M	14.92	50.00	-35.08	19.98	Line	-	-5.06	9.80	0.25	9.93

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	168.41k	37.64	65.04	-27.40	19.67	Neutral	-	17.97	9.73	0.03	9.91
AV	168.41k	22.58	55.04	-32.46	19.67	Neutral	-	2.91	9.73	0.03	9.91
QP	213.989k	35.71	63.06	-27.35	19.66	Neutral	-	16.05	9.72	0.03	9.91
AV	213.989k	25.01	53.06	-28.05	19.66	Neutral	-	5.35	9.72	0.03	9.91
QP	310.189k	28.94	59.96	-31.02	19.67	Neutral	-	9.27	9.72	0.04	9.91
AV	310.189k	19.30	49.96	-30.66	19.67	Neutral	-	-0.37	9.72	0.04	9.91
QP	848.248k	22.85	56.00	-33.15	19.70	Neutral	-	3.15	9.73	0.05	9.92
AV	848.248k	19.32	46.00	-26.68	19.70	Neutral	-	-0.38	9.73	0.05	9.92
QP	3.701M	18.32	56.00	-37.68	19.80	Neutral	-	-1.48	9.76	0.12	9.92
AV	3.701M	15.91	46.00	-30.09	19.80	Neutral	-	-3.89	9.76	0.12	9.92
QP	8.355M	19.61	60.00	-40.39	19.96	Neutral	-	-0.35	9.86	0.17	9.93
AV	8.355M	17.17	50.00	-32.83	19.96	Neutral	-	-2.79	9.86	0.17	9.93

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)_4TX	43.38M	27.106M	27M2D1D	22.35M	16.762M
802.11ac VHT20_Nss1,(MCS0)_4TX	42.69M	19.64M	19M7D1D	25.32M	17.811M
802.11ac VHT40_Nss1,(MCS0)_4TX	90.54M	40.18M	40M2D1D	41.04M	36.762M
802.11ac VHT80_Nss1,(MCS0)_4TX	81.72M	76.402M	76M5D1D	81.12M	75.802M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.35M	32.744M	32M8D1D	16.05M	20.27M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.55M	36.582M	36M6D1D	16.53M	20.24M
802.11ac VHT40_Nss1,(MCS0)_4TX	35.64M	72.804M	72M9D1D	35.1M	39.22M
802.11ac VHT80_Nss1,(MCS0)_4TX	75.48M	79.52M	79M6D1D	75M	77.361M

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

Result

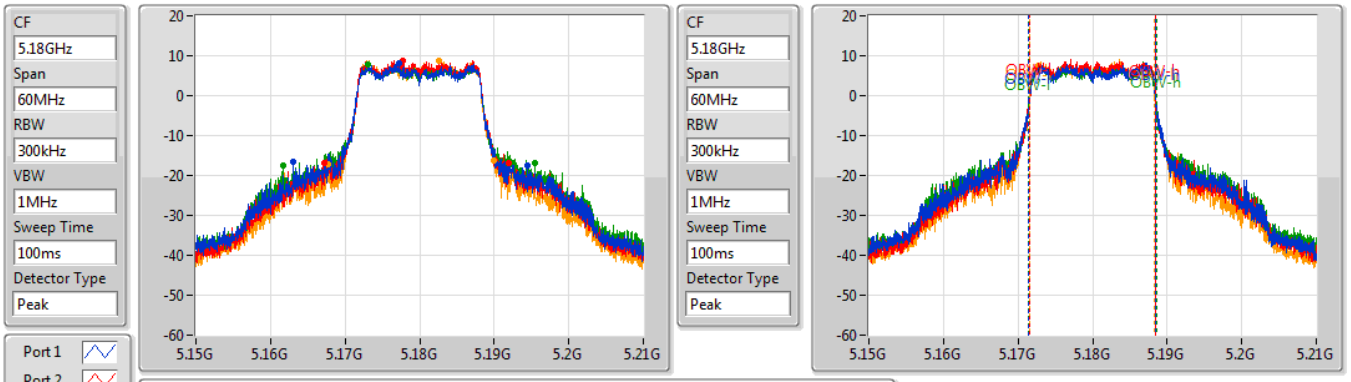
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	31.32M	17.151M	24.69M	16.882M	33.9M	17.121M	22.35M	16.762M
5200MHz	Pass	Inf	41.49M	25.277M	42.96M	26.597M	43.38M	27.106M	37.74M	21.499M
5240MHz	Pass	Inf	36.45M	17.421M	39.54M	19.01M	36.45M	18.201M	27.69M	16.912M
5745MHz	Pass	500k	16.32M	25.937M	16.29M	20.27M	16.05M	28.966M	16.29M	21.139M
5785MHz	Pass	500k	16.32M	32.084M	16.32M	24.258M	16.32M	32.744M	16.35M	29.265M
5825MHz	Pass	500k	16.35M	31.484M	16.29M	27.376M	16.32M	31.724M	16.29M	27.646M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	34.65M	18.321M	33.6M	17.991M	42.27M	19.1M	30.27M	17.931M
5200MHz	Pass	Inf	34.56M	18.111M	36.48M	18.141M	38.76M	18.381M	28.62M	17.841M
5240MHz	Pass	Inf	36.51M	18.111M	42.69M	19.64M	39.39M	18.561M	25.32M	17.811M
5745MHz	Pass	500k	17.31M	31.634M	16.89M	23.778M	16.53M	30.405M	17.01M	20.24M
5785MHz	Pass	500k	17.52M	36.582M	17.49M	29.145M	17.28M	33.853M	17.19M	29.145M
5825MHz	Pass	500k	17.55M	36.462M	17.25M	35.172M	17.22M	33.853M	17.16M	32.264M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.34M	36.882M	41.1M	37.001M	41.04M	36.762M	41.04M	37.001M
5230MHz	Pass	Inf	75.54M	38.081M	90.54M	40.18M	72.84M	38.021M	59.64M	37.241M
5755MHz	Pass	500k	35.64M	43.358M	35.1M	39.22M	35.46M	55.352M	35.34M	39.76M
5795MHz	Pass	500k	35.64M	72.804M	35.52M	66.087M	35.1M	71.544M	35.4M	72.624M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.72M	76.402M	81.72M	76.282M	81.12M	75.802M	81.36M	76.282M
5775MHz	Pass	500k	75.36M	79.52M	75.36M	77.361M	75.48M	78.081M	75M	77.721M

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

802.11a_Nss1,(6Mbps)_4TX EBW

5180MHz

07/07/2022

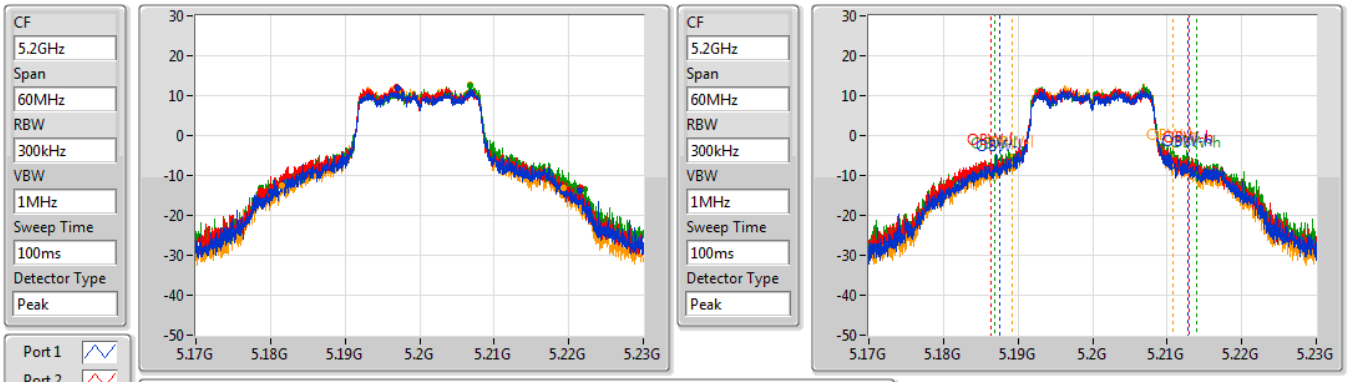


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.32M	5.16311G	5.19443G	17.151M	5.171364G	5.188516G	Inf	1
24.69M	5.16728G	5.19197G	16.882M	5.171514G	5.188396G	Inf	2
33.9M	5.16164G	5.19554G	17.121M	5.171424G	5.188546G	Inf	3
22.35M	5.16767G	5.19002G	16.762M	5.171574G	5.188336G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5200MHz

06/07/2022

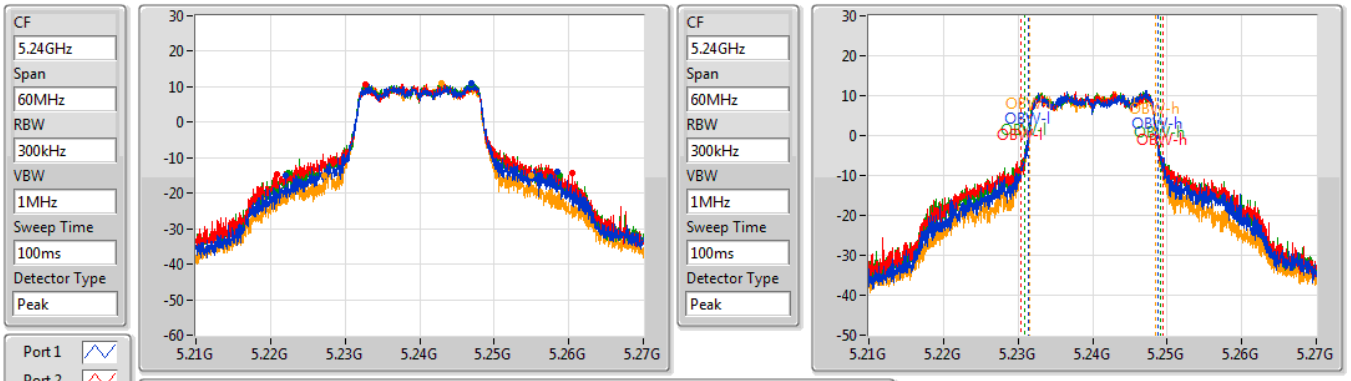


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.49M	5.18002G	5.22151G	25.277M	5.187526G	5.212804G	Inf	1
42.96M	5.17876G	5.22172G	26.597M	5.186327G	5.212924G	Inf	2
43.38M	5.1787G	5.22208G	27.106M	5.186927G	5.214033G	Inf	3
37.74M	5.18161G	5.21935G	21.499M	5.189295G	5.210795G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5240MHz

06/07/2022

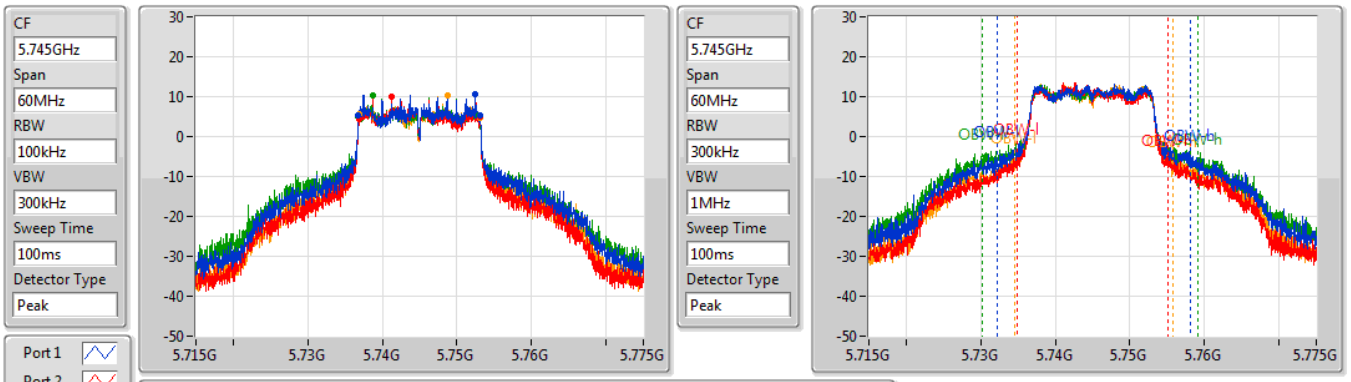


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.45M	5.22206G	5.25851G	17.421M	5.231334G	5.248756G	Inf	1
39.54M	5.22089G	5.26043G	19.01M	5.230465G	5.249475G	Inf	2
36.45M	5.22233G	5.25878G	18.201M	5.230945G	5.249145G	Inf	3
27.69M	5.22719G	5.25488G	16.912M	5.231514G	5.248426G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

07/07/2022

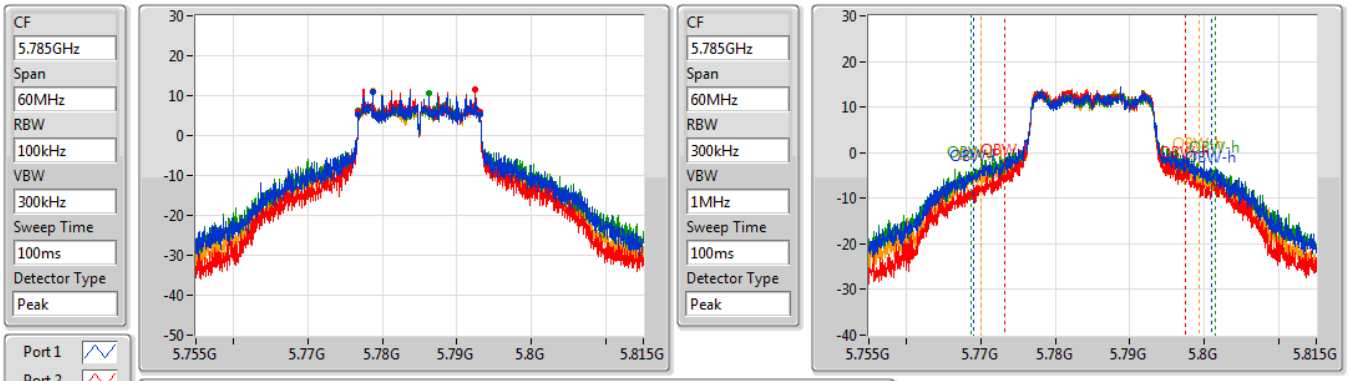


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.73681G	5.75313G	25.937M	5.7321966G	5.758133G	500k	1
16.29M	5.73684G	5.75313G	20.27M	5.734925G	5.755195G	500k	2
16.05M	5.73681G	5.75286G	28.966M	5.730187G	5.759153G	500k	3
16.29M	5.73684G	5.75313G	21.139M	5.734625G	5.755765G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5785MHz

07/07/2022

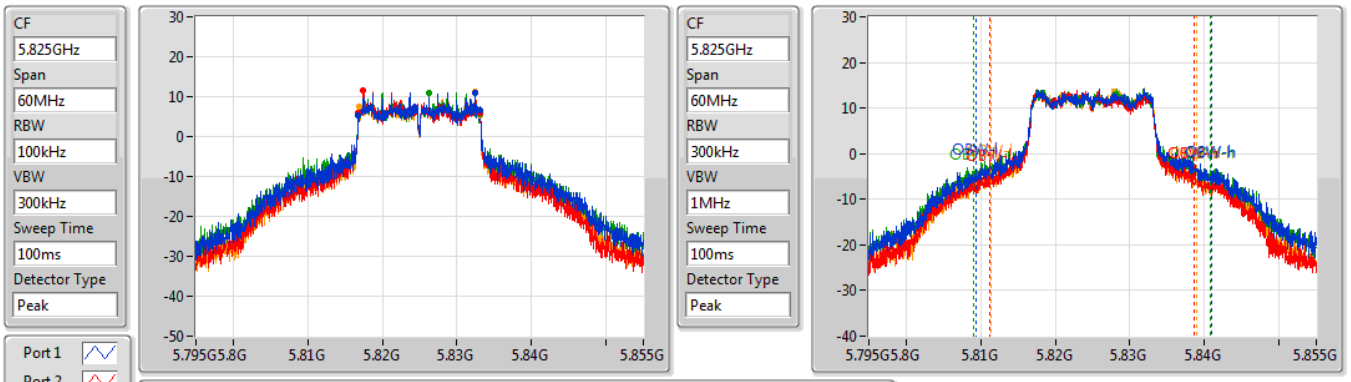


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.77681G	5.79313G	32.084M	5.768958G	5.801042G	500k	1
16.32M	5.77681G	5.79313G	24.258M	5.773276G	5.797534G	500k	2
16.32M	5.77681G	5.79313G	32.744M	5.768658G	5.801402G	500k	3
16.35M	5.77681G	5.79316G	29.265M	5.770037G	5.799303G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

07/07/2022

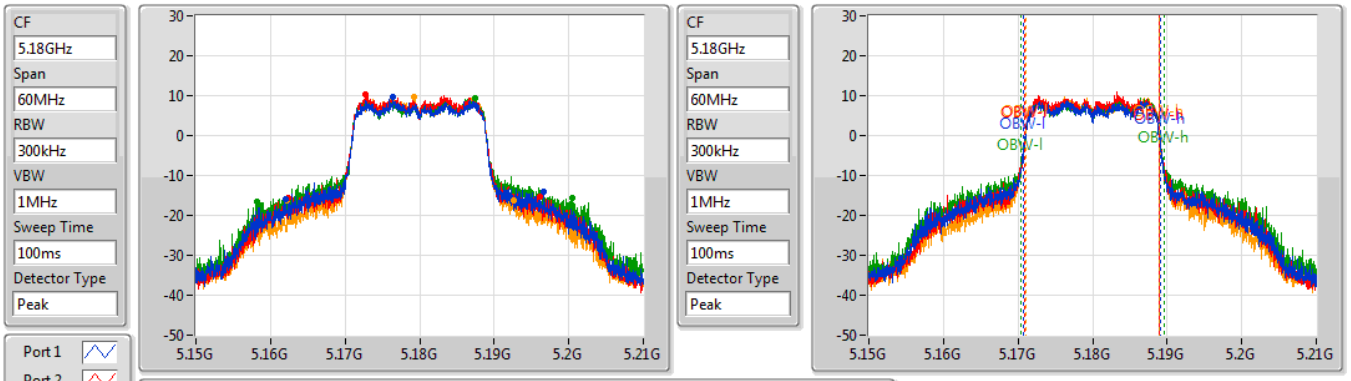


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.81678G	5.83313G	31.484M	5.809408G	5.840892G	500k	1
16.29M	5.81681G	5.8331G	27.376M	5.811237G	5.838613G	500k	2
16.32M	5.81681G	5.83313G	31.724M	5.808988G	5.840712G	500k	3
16.29M	5.81684G	5.83313G	27.646M	5.811297G	5.838943G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5180MHz

07/07/2022

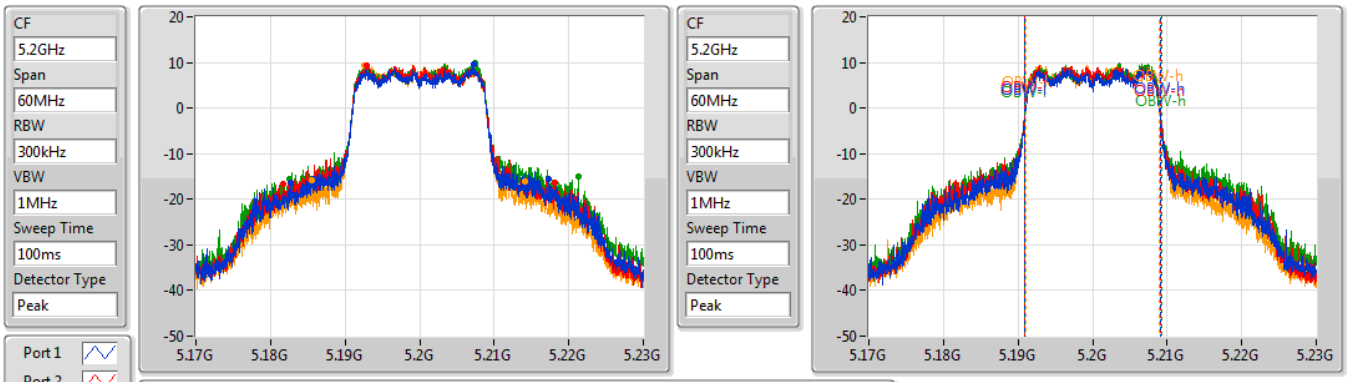


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.65M	5.16206G	5.19671G	18.321M	5.170765G	5.189085G	Inf	1
33.6M	5.16245G	5.19605G	17.991M	5.170975G	5.188966G	Inf	2
42.27M	5.15816G	5.20043G	19.1M	5.170435G	5.189535G	Inf	3
30.27M	5.16227G	5.19254G	17.931M	5.171004G	5.188936G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5200MHz

07/07/2022

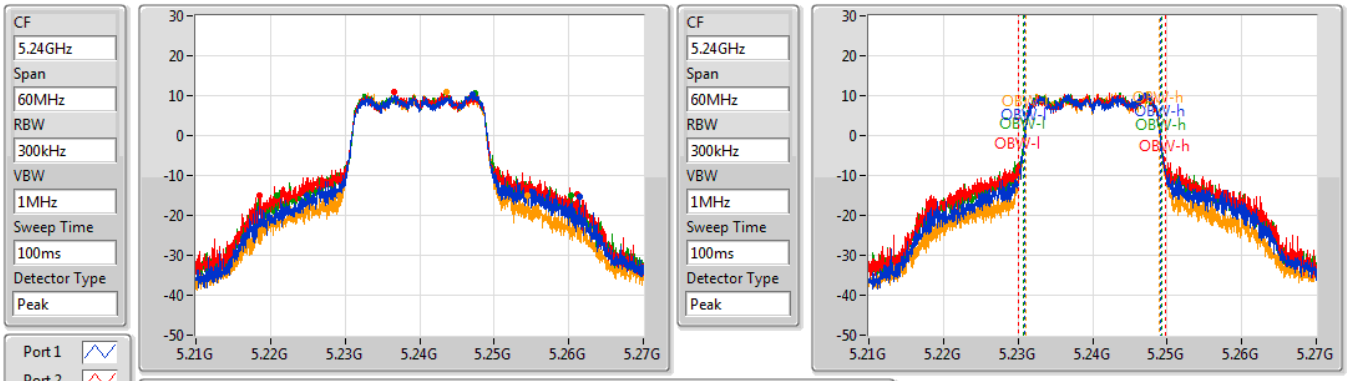


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.56M	5.18269G	5.21725G	18.111M	5.190945G	5.209055G	Inf	1
36.48M	5.18167G	5.21815G	18.141M	5.190885G	5.209025G	Inf	2
38.76M	5.18251G	5.22127G	18.381M	5.190855G	5.209235G	Inf	3
28.62M	5.18557G	5.21419G	17.841M	5.191034G	5.208876G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5240MHz

07/07/2022

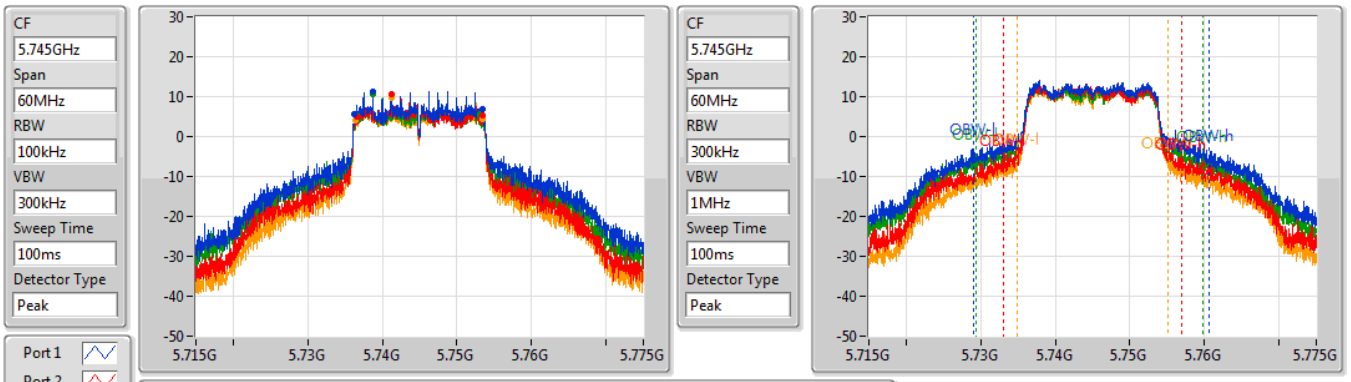


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.51M	5.22491G	5.26142G	18.111M	5.230975G	5.249085G	Inf	1
42.69M	5.21852G	5.26121G	19.64M	5.230105G	5.249745G	Inf	2
39.39M	5.22086G	5.26025G	18.561M	5.230735G	5.249295G	Inf	3
25.32M	5.22914G	5.25446G	17.811M	5.231064G	5.248876G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5745MHz

07/07/2022

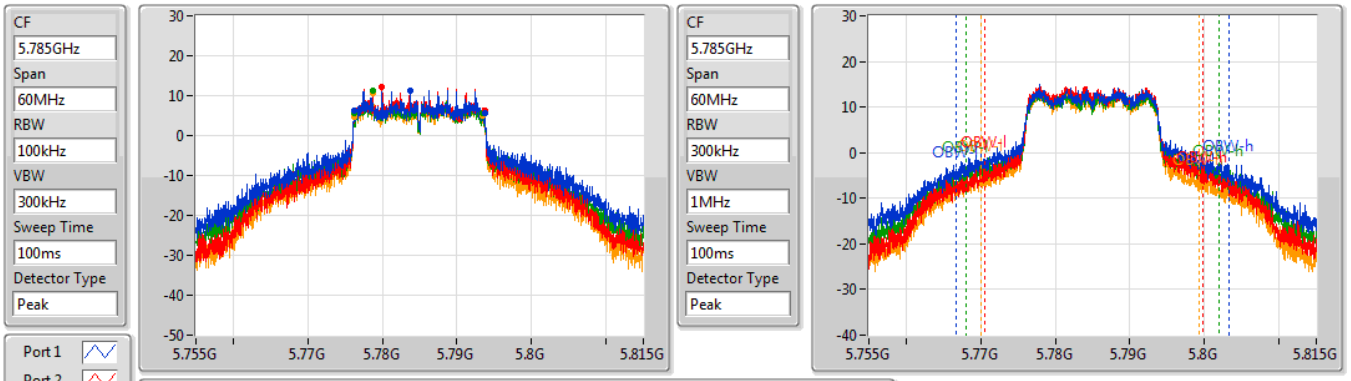


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.31M	5.73618G	5.75349G	31.634M	5.729048G	5.760682G	500k	1
16.89M	5.73648G	5.75337G	23.778M	5.733126G	5.756904G	500k	2
16.53M	5.73657G	5.7531G	30.405M	5.729348G	5.759753G	500k	3
17.01M	5.73645G	5.75346G	20.24M	5.734955G	5.755195G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5785MHz

07/07/2022

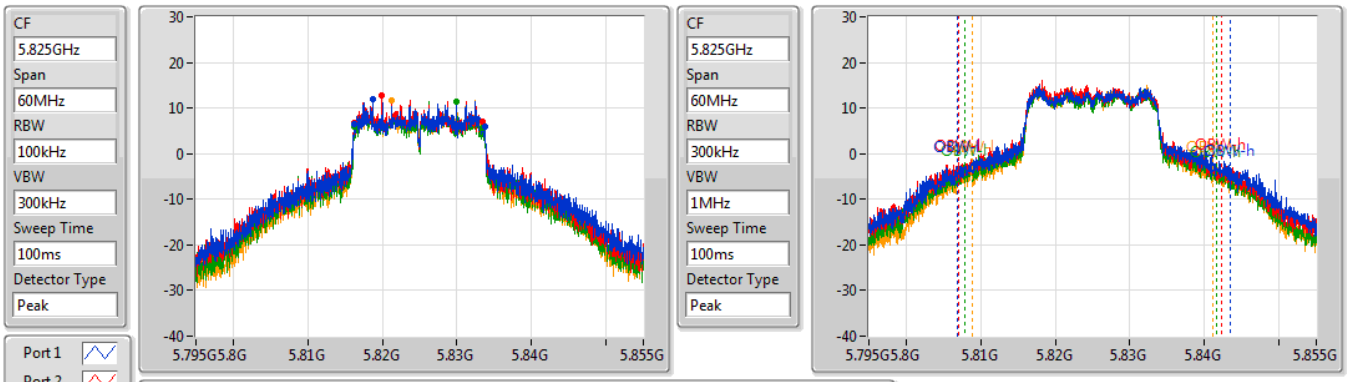


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.52M	5.77624G	5.79376G	36.582M	5.766649G	5.803231G	500k	1
17.49M	5.77624G	5.79373G	29.145M	5.770607G	5.799753G	500k	2
17.28M	5.77621G	5.79349G	33.853M	5.768088G	5.801942G	500k	3
17.19M	5.77621G	5.7934G	29.145M	5.770067G	5.799213G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5825MHz

07/07/2022

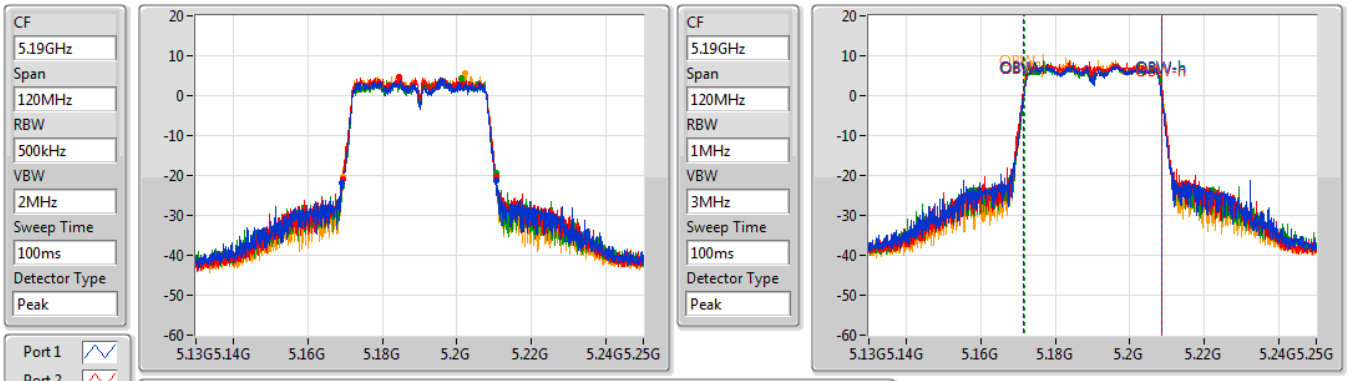


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.81621G	5.83376G	36.462M	5.806949G	5.843411G	500k	1
17.25M	5.81624G	5.83349G	35.172M	5.807069G	5.842241G	500k	2
17.22M	5.81618G	5.8334G	33.853M	5.807819G	5.841672G	500k	3
17.16M	5.81621G	5.83337G	32.264M	5.808928G	5.841192G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5190MHz

07/07/2022

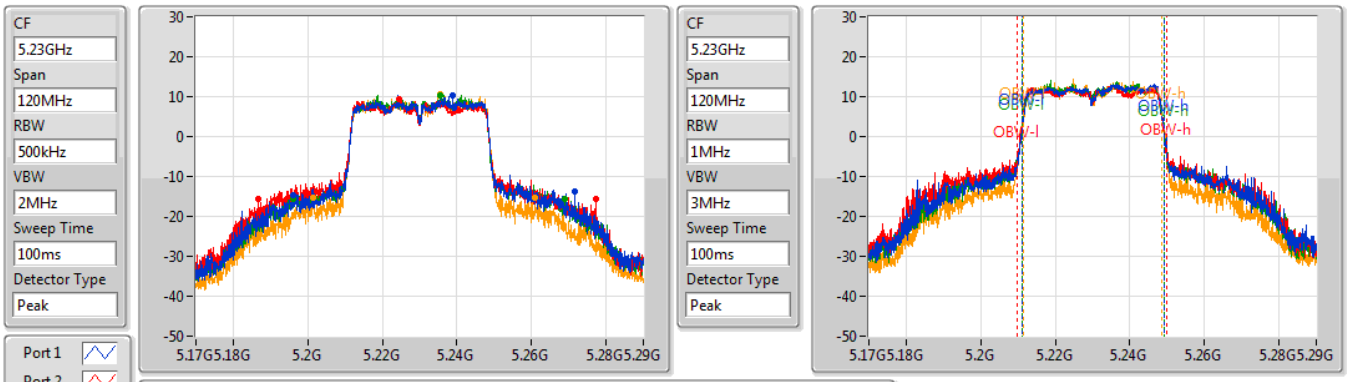


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.34M	5.16918G	5.21052G	36.882M	5.171589G	5.208471G	Inf	1
41.1M	5.16948G	5.21058G	37.001M	5.171469G	5.208471G	Inf	2
41.04M	5.16948G	5.21052G	36.762M	5.171649G	5.208411G	Inf	3
41.04M	5.16936G	5.2104G	37.001M	5.171529G	5.208531G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5230MHz

07/07/2022

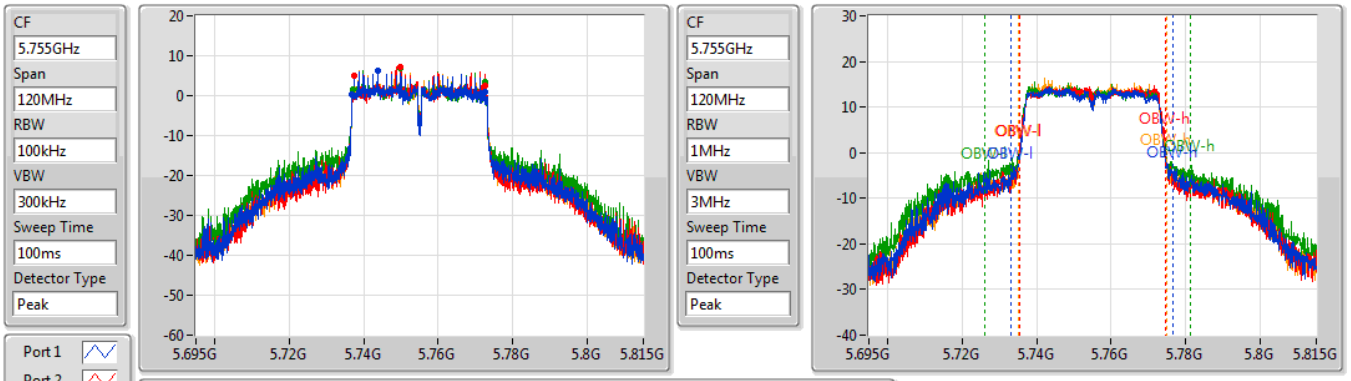


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.54M	5.19598G	5.27152G	38.081M	5.211229G	5.24931G	Inf	1
90.54M	5.18662G	5.27716G	40.18M	5.20973G	5.24991G	Inf	2
72.84M	5.19598G	5.26882G	38.021M	5.211169G	5.24919G	Inf	3
59.64M	5.20126G	5.2609G	37.241M	5.211469G	5.248711G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5755MHz

07/07/2022

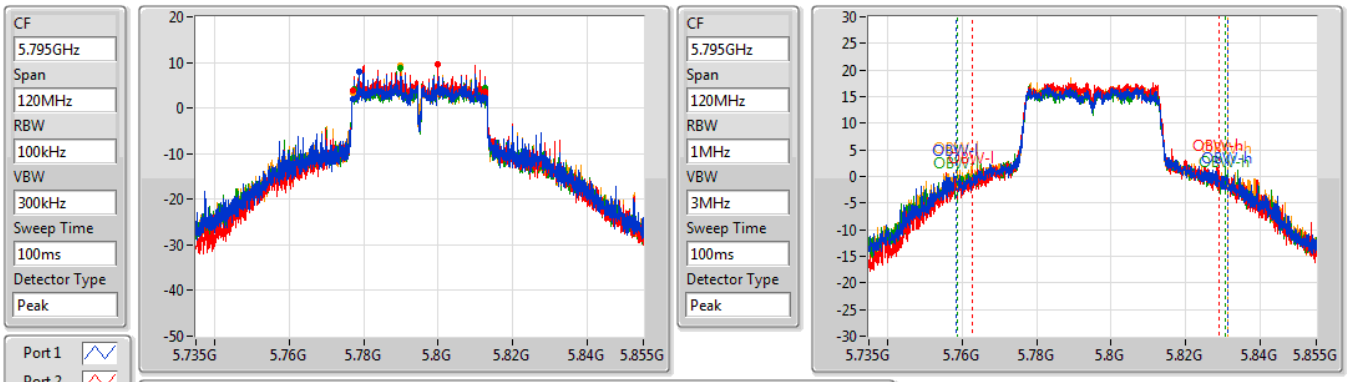


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.64M	5.73682G	5.77246G	43.358M	5.733111G	5.776469G	500k	1
35.1M	5.73742G	5.77252G	39.22M	5.73533G	5.77455G	500k	2
35.46M	5.73706G	5.77252G	55.352M	5.725975G	5.781327G	500k	3
35.34M	5.73706G	5.7724G	39.76M	5.73521G	5.77497G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5795MHz

07/07/2022

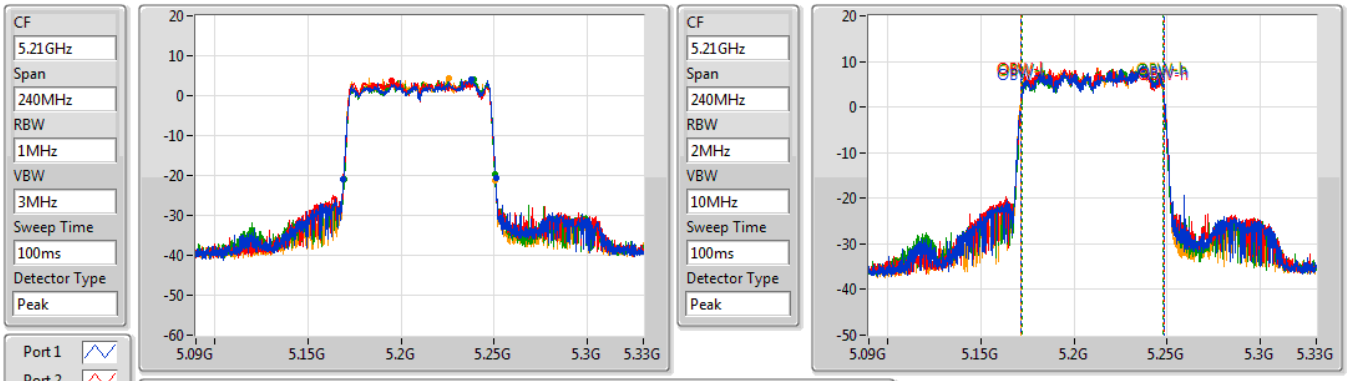


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.64M	5.777G	5.81264G	72.804M	5.758298G	5.831102G	500k	1
35.52M	5.77718G	5.8127G	66.087M	5.762796G	5.828883G	500k	2
35.1M	5.77742G	5.81252G	71.544M	5.758898G	5.830442G	500k	3
35.4M	5.77712G	5.81252G	72.624M	5.758598G	5.831222G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5210MHz

07/07/2022

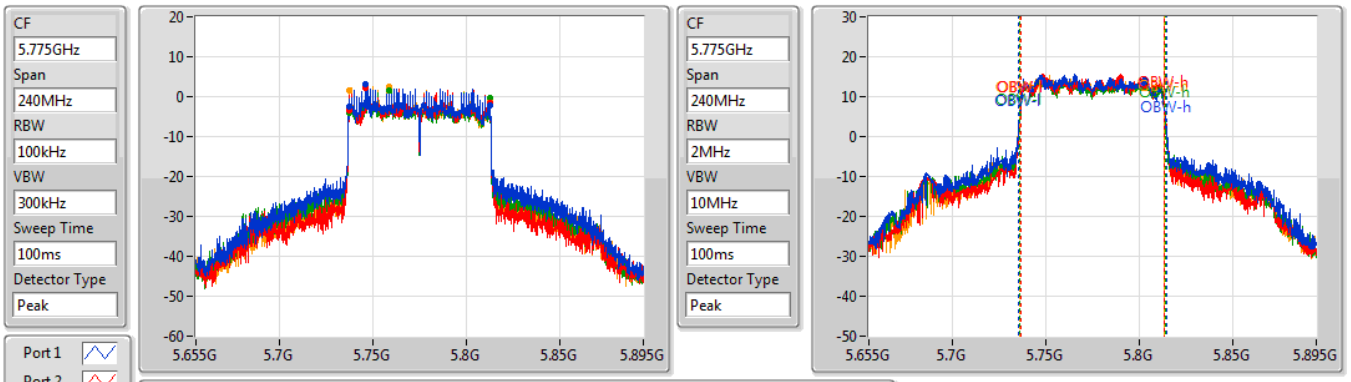


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.72M	5.1692G	5.25092G	76.402M	5.171859G	5.248261G	Inf	1
81.72M	5.16908G	5.2508G	76.282M	5.171859G	5.248141G	Inf	2
81.12M	5.16944G	5.25056G	75.802M	5.172219G	5.248021G	Inf	3
81.36M	5.16932G	5.25068G	76.282M	5.171739G	5.248021G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5775MHz

07/07/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.36M	5.7372G	5.81256G	79.52M	5.73518G	5.8147G	500k	1
75.36M	5.7372G	5.81256G	77.361M	5.736259G	5.813621G	500k	2
75.48M	5.73708G	5.81256G	78.081M	5.73578G	5.813861G	500k	3
75M	5.73744G	5.81244G	77.721M	5.7359G	5.813621G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	27.86	0.61094	30.64	1.15878
802.11ac VHT20_Nss1,(MCS0)_4TX	26.51	0.44771	29.29	0.84918
802.11ac VHT40_Nss1,(MCS0)_4TX	26.19	0.41591	28.97	0.78886
802.11ac VHT80_Nss1,(MCS0)_4TX	19.72	0.09376	22.50	0.17783
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	28.74	0.74817	31.33	1.35831
802.11ac VHT20_Nss1,(MCS0)_4TX	29.38	0.86696	31.97	1.57398
802.11ac VHT40_Nss1,(MCS0)_4TX	29.15	0.82224	31.74	1.49279
802.11ac VHT80_Nss1,(MCS0)_4TX	25.04	0.31915	27.63	0.57943

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.78	17.92	18.80	17.99	18.27	24.28	30.00	27.06	36.00
5200MHz	Pass	2.78	21.37	21.98	21.97	22.02	27.86	30.00	30.64	36.00
5240MHz	Pass	2.78	20.55	20.54	20.67	20.35	26.55	30.00	29.33	36.00
5745MHz	Pass	2.59	22.02	21.71	21.63	21.83	27.82	30.00	30.41	36.00
5785MHz	Pass	2.59	22.39	22.94	22.40	22.42	28.56	30.00	31.15	36.00
5825MHz	Pass	2.59	22.67	22.66	22.86	22.69	28.74	30.00	31.33	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.78	19.10	20.07	19.32	19.58	25.55	30.00	28.33	36.00
5200MHz	Pass	2.78	19.04	19.56	19.82	19.52	25.51	30.00	28.29	36.00
5240MHz	Pass	2.78	20.47	20.47	20.64	20.38	26.51	30.00	29.29	36.00
5745MHz	Pass	2.59	22.73	22.04	21.67	21.50	28.03	30.00	30.62	36.00
5785MHz	Pass	2.59	22.93	23.37	22.38	22.06	28.73	30.00	31.32	36.00
5825MHz	Pass	2.59	23.36	23.82	22.94	23.26	29.38	30.00	31.97	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	2.78	15.07	15.78	14.89	15.37	21.31	30.00	24.09	36.00
5230MHz	Pass	2.78	20.39	19.93	20.37	19.98	26.19	30.00	28.97	36.00
5755MHz	Pass	2.59	20.51	20.89	20.64	20.98	26.78	30.00	29.37	36.00
5795MHz	Pass	2.59	22.76	23.73	22.78	23.16	29.15	30.00	31.74	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	2.78	13.61	13.86	13.64	13.67	19.72	30.00	22.50	36.00
5775MHz	Pass	2.59	19.35	19.11	18.56	19.02	25.04	30.00	27.63	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)_4TX	14.35	19.27
802.11ac VHT20_Nss1,(MCS0)_4TX	12.21	17.13
802.11ac VHT40_Nss1,(MCS0)_4TX	9.17	14.09
802.11ac VHT80_Nss1,(MCS0)_4TX	-0.15	4.77
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	14.77	19.30
802.11ac VHT20_Nss1,(MCS0)_4TX	14.43	18.96
802.11ac VHT40_Nss1,(MCS0)_4TX	11.19	15.72
802.11ac VHT80_Nss1,(MCS0)_4TX	4.97	9.50

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

Result

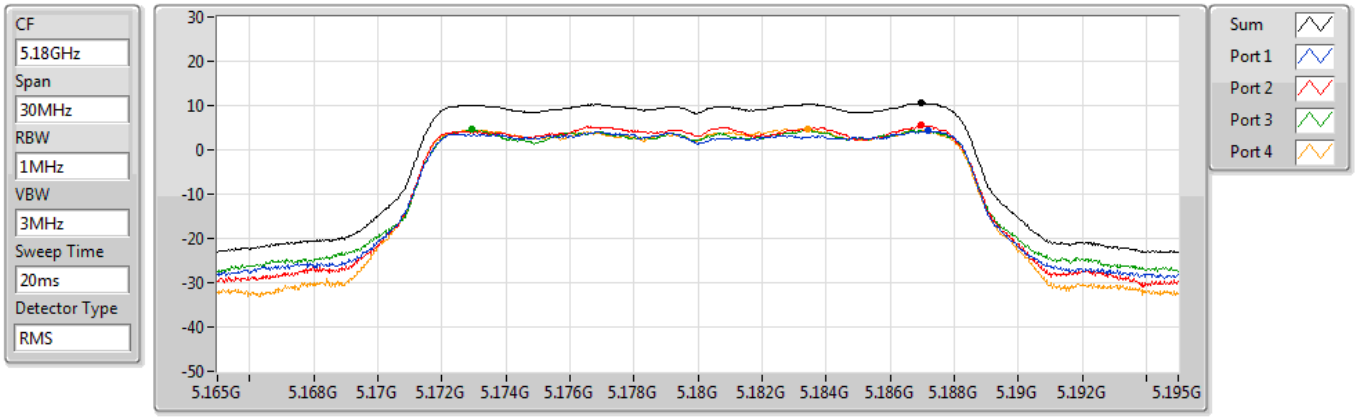
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.92	4.22	5.52	4.66	4.78	10.56	17.00	15.48	23.00
5200MHz	Pass	4.92	8.10	8.57	8.58	8.84	14.35	17.00	19.27	23.00
5240MHz	Pass	4.92	7.35	7.11	7.67	7.37	12.97	17.00	17.89	23.00
5745MHz	Pass	4.53	8.00	8.24	7.80	7.95	13.63	30.00	18.16	36.00
5785MHz	Pass	4.53	8.63	9.06	8.40	8.54	14.57	30.00	19.10	36.00
5825MHz	Pass	4.53	8.76	8.92	9.32	8.88	14.77	30.00	19.30	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.92	4.94	5.84	5.21	5.36	10.98	17.00	15.90	23.00
5200MHz	Pass	4.92	5.34	5.41	5.83	5.31	11.07	17.00	15.99	23.00
5240MHz	Pass	4.92	6.60	6.15	6.42	6.20	12.21	17.00	17.13	23.00
5745MHz	Pass	4.53	8.14	7.31	7.04	6.84	12.97	30.00	17.50	36.00
5785MHz	Pass	4.53	8.03	9.01	8.20	7.82	14.14	30.00	18.67	36.00
5825MHz	Pass	4.53	8.70	8.84	8.32	8.45	14.43	30.00	18.96	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.92	-2.21	-1.45	-2.21	-1.66	3.85	17.00	8.77	23.00
5230MHz	Pass	4.92	3.79	3.27	3.66	3.29	9.17	17.00	14.09	23.00
5755MHz	Pass	4.53	3.17	3.50	3.03	3.81	9.20	30.00	13.73	36.00
5795MHz	Pass	4.53	5.02	5.73	4.97	5.42	11.19	30.00	15.72	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.92	-5.93	-6.45	-5.77	-6.23	-0.15	17.00	4.77	23.00
5775MHz	Pass	4.53	-0.47	-0.56	-1.10	-0.70	4.97	30.00	9.50	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)_4TX PSD

5180MHz

07/07/2022

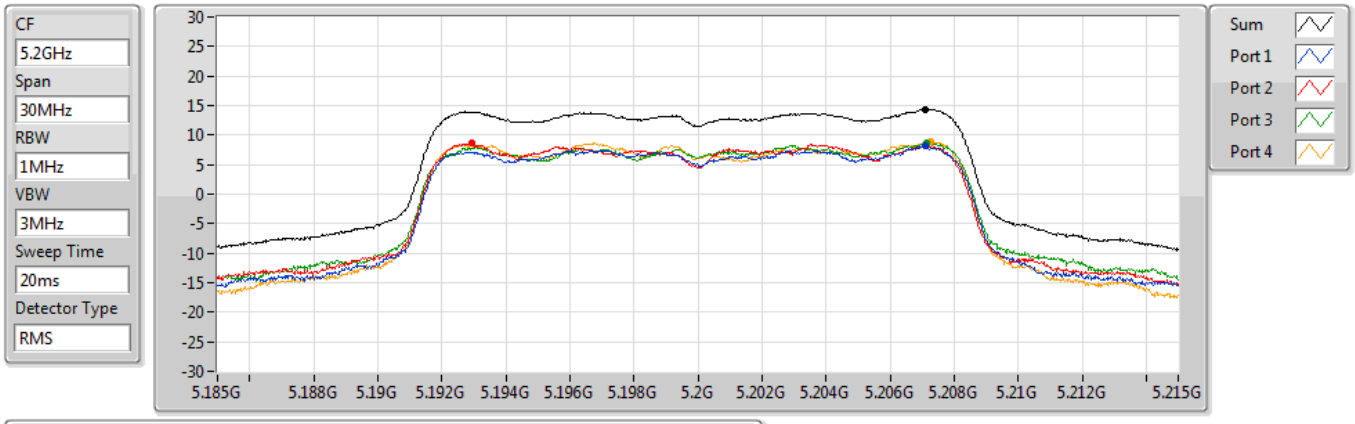


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.56	10.56	4.22	5.52	4.66	4.78

802.11a_Nss1,(6Mbps)_4TX PSD

5200MHz

06/07/2022

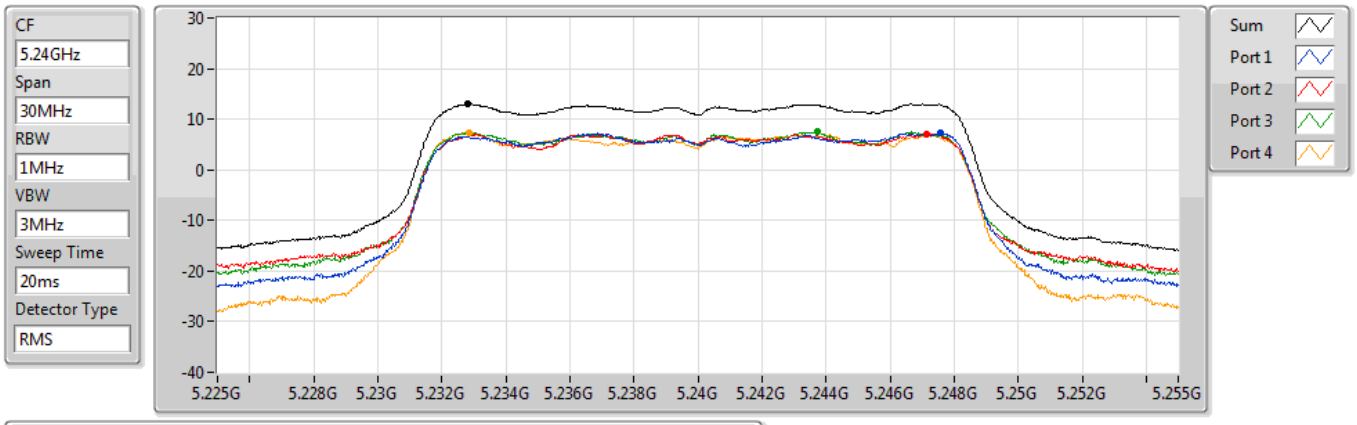


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.35	14.35	8.10	8.57	8.58	8.84

802.11a_Nss1,(6Mbps)_4TX PSD

5240MHz

06/07/2022

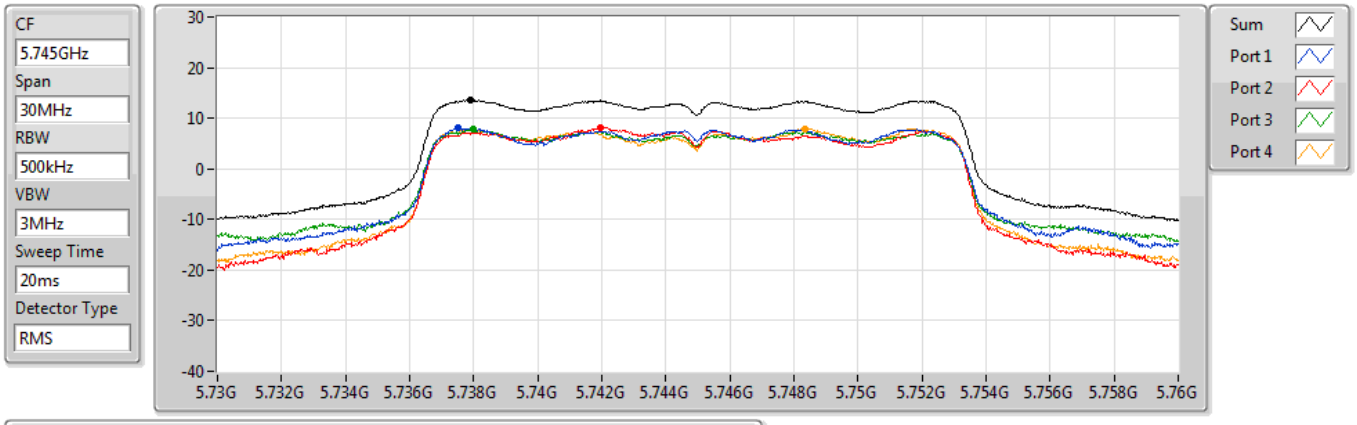


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.97	12.97	7.35	7.11	7.67	7.37

802.11a_Nss1,(6Mbps)_4TX PSD

5745MHz

07/07/2022

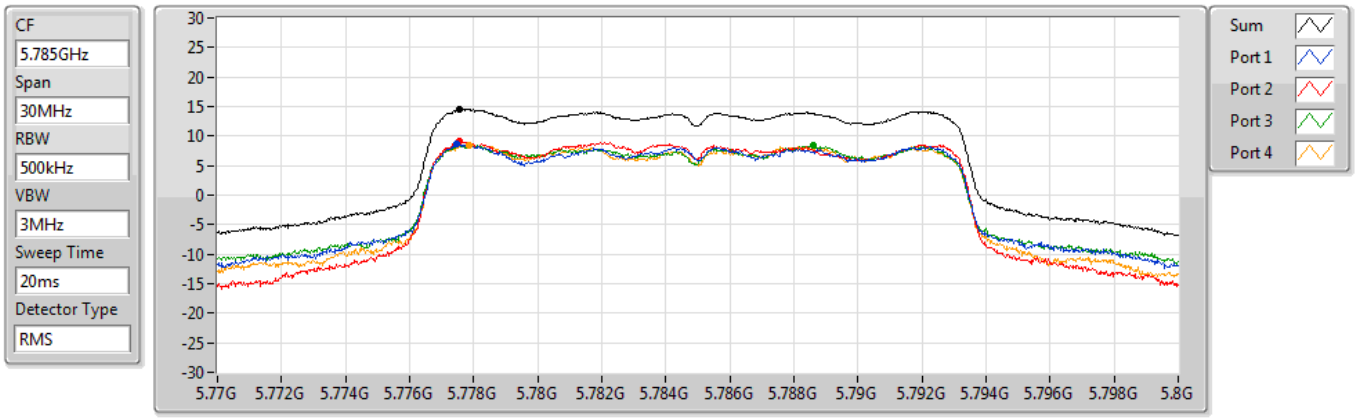


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.63	13.63	8.00	8.24	7.80	7.95

802.11a_Nss1,(6Mbps)_4TX PSD

5785MHz

07/07/2022

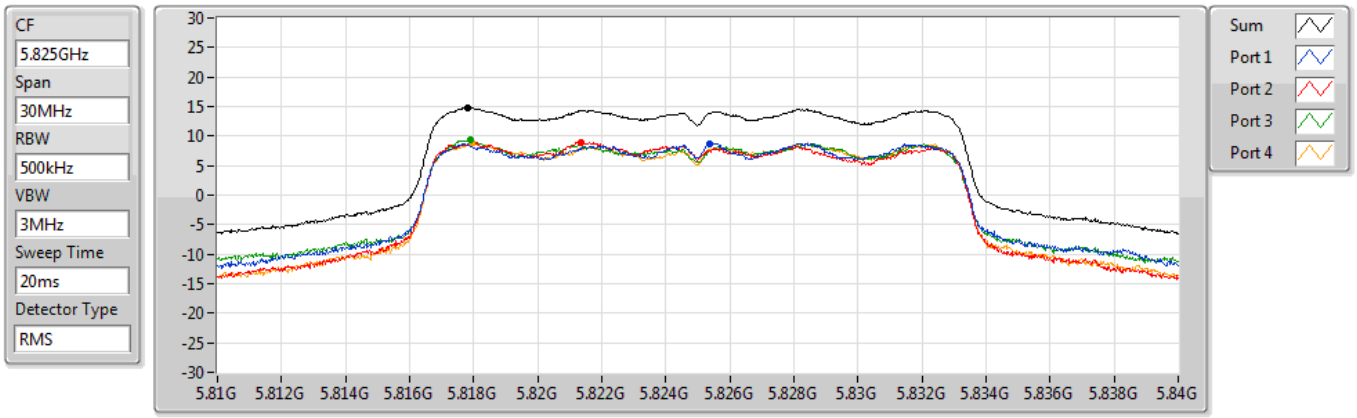


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.57	14.57	8.63	9.06	8.40	8.54

802.11a_Nss1,(6Mbps)_4TX PSD

5825MHz

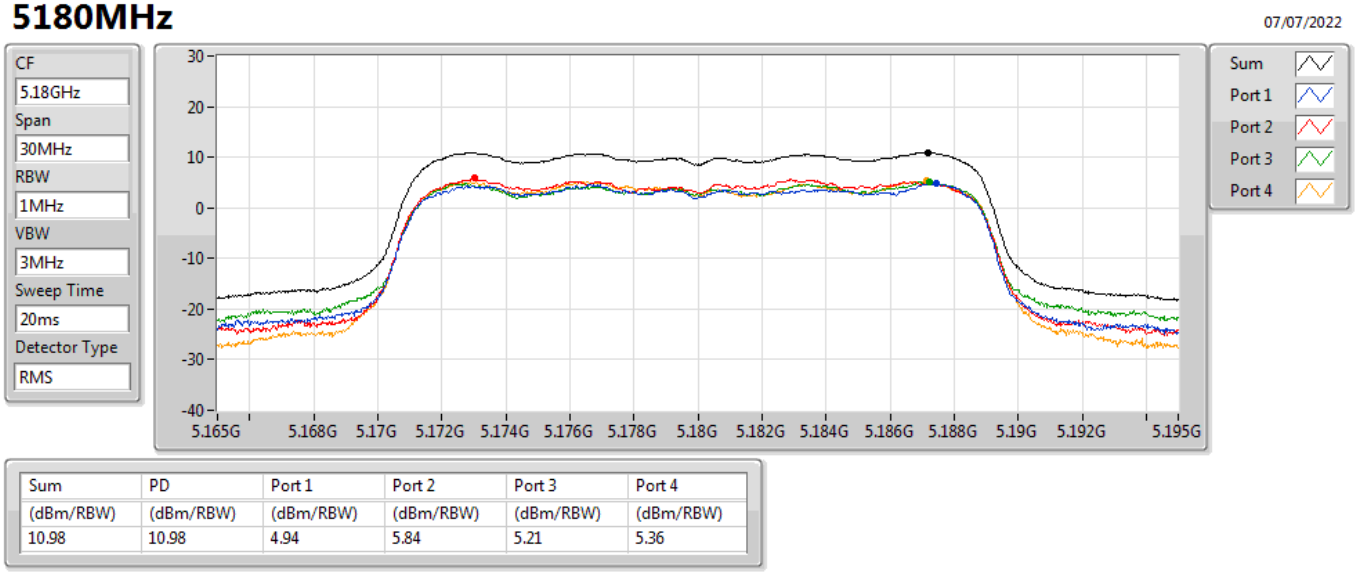
07/07/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.77	14.77	8.76	8.92	9.32	8.88

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

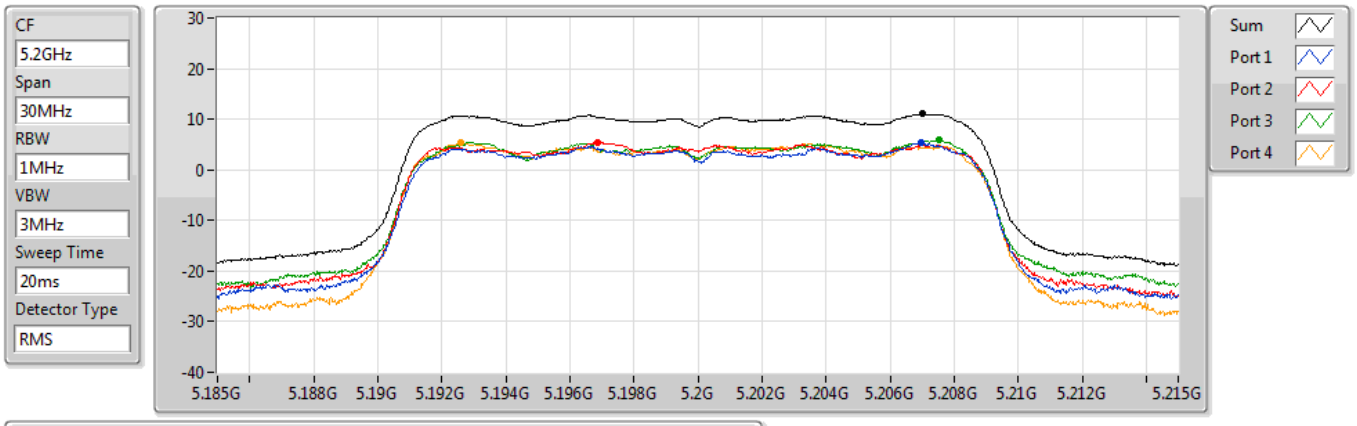
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.98	10.98	4.94	5.84	5.21	5.36

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5200MHz

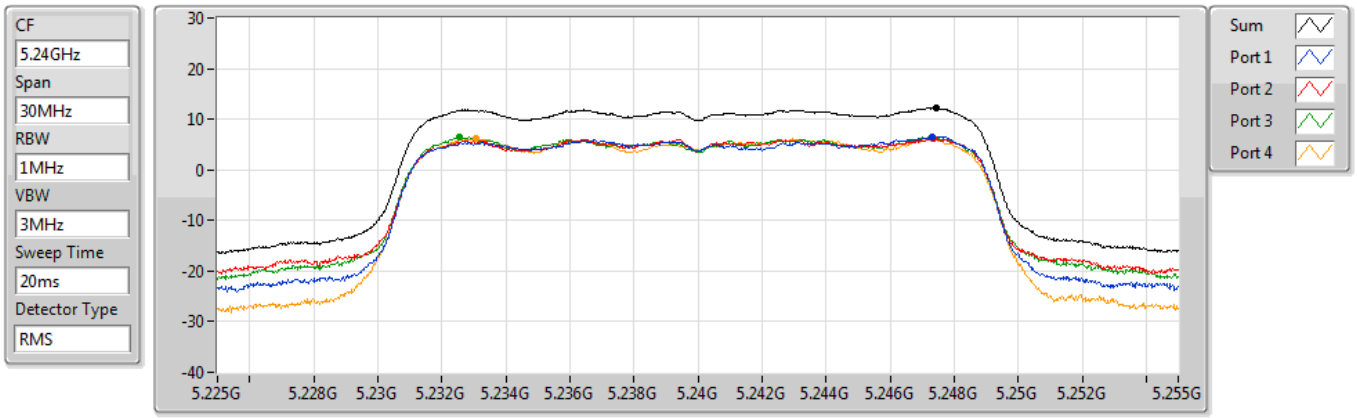


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.07	11.07	5.34	5.41	5.83	5.31

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5240MHz

07/07/2022

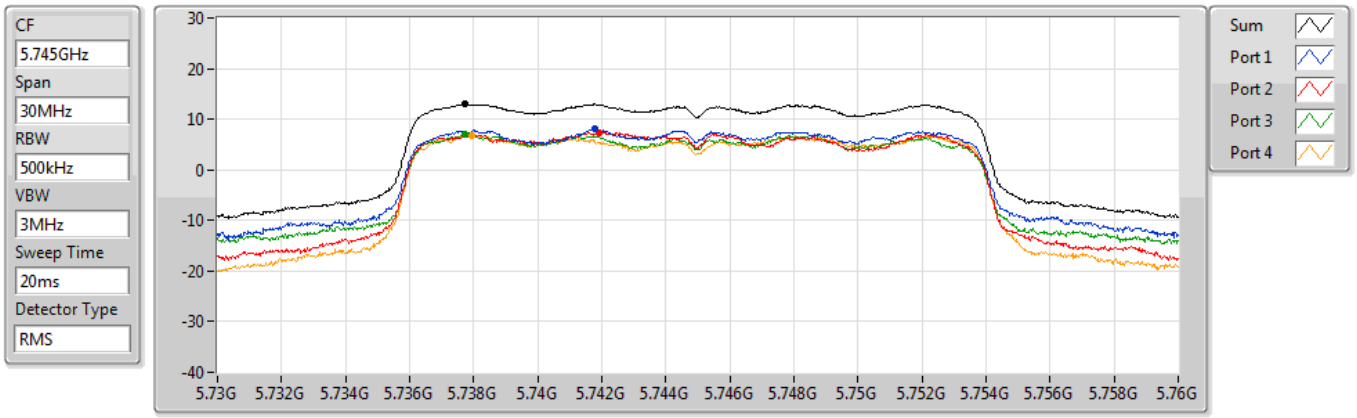


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.21	12.21	6.60	6.15	6.42	6.20

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5745MHz

07/07/2022

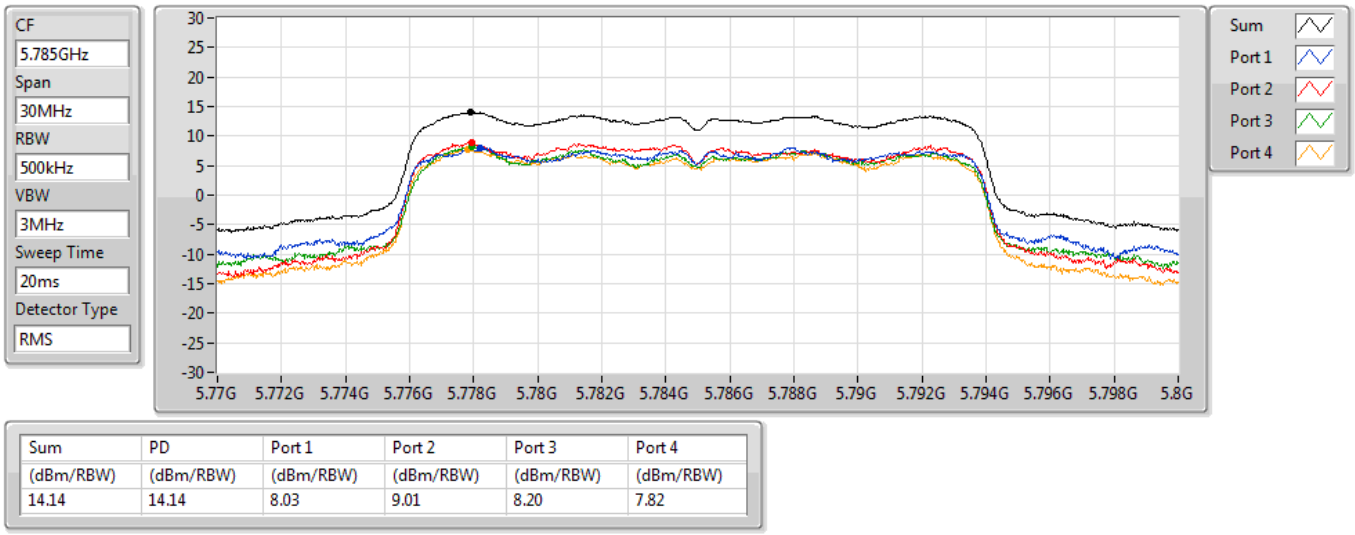


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.97	12.97	8.14	7.31	7.04	6.84

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5785MHz

07/07/2022

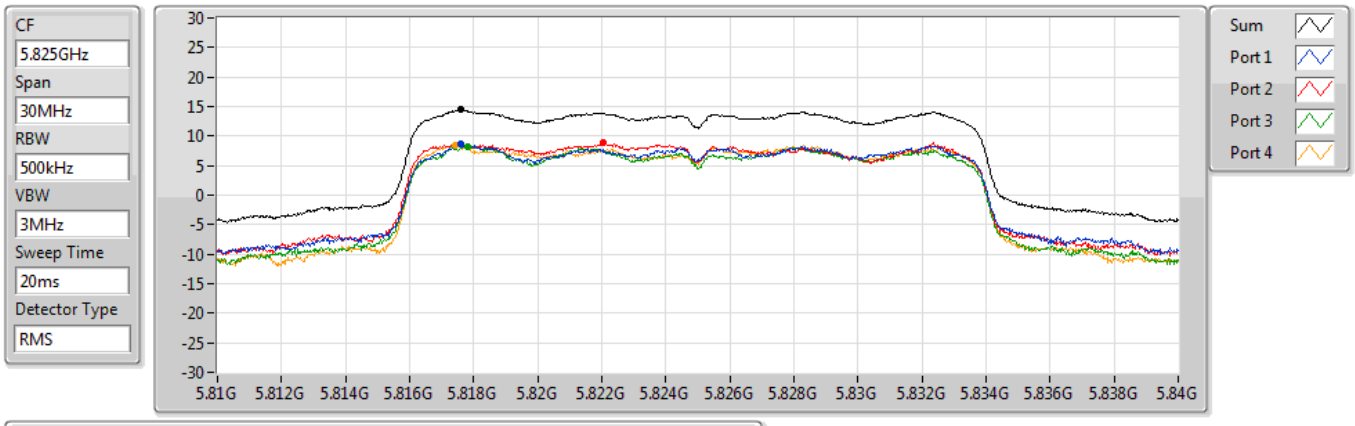


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.14	14.14	8.03	9.01	8.20	7.82

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5825MHz

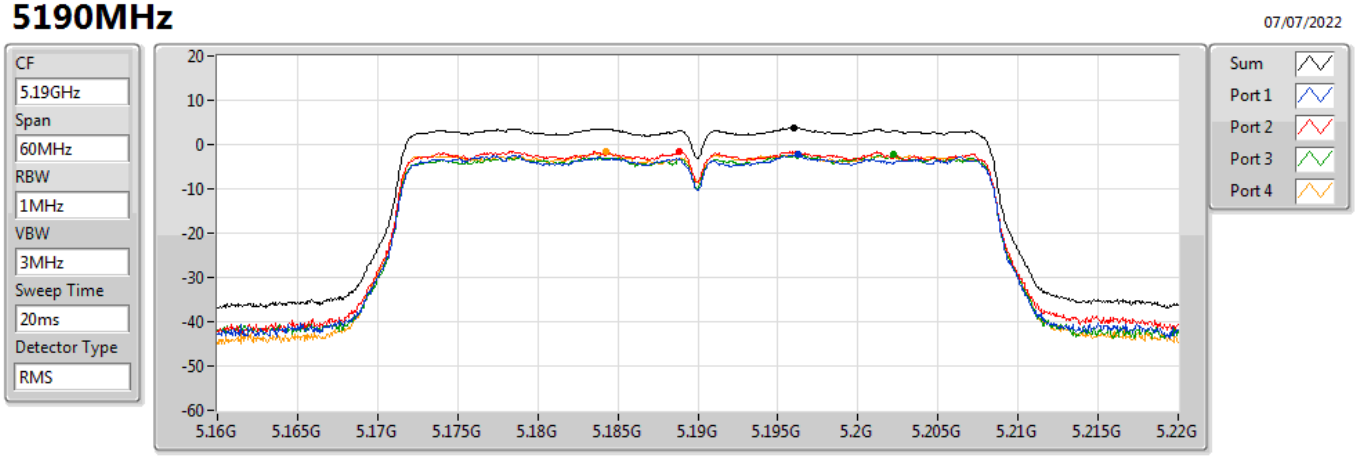
07/07/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.43	14.43	8.70	8.84	8.32	8.45

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

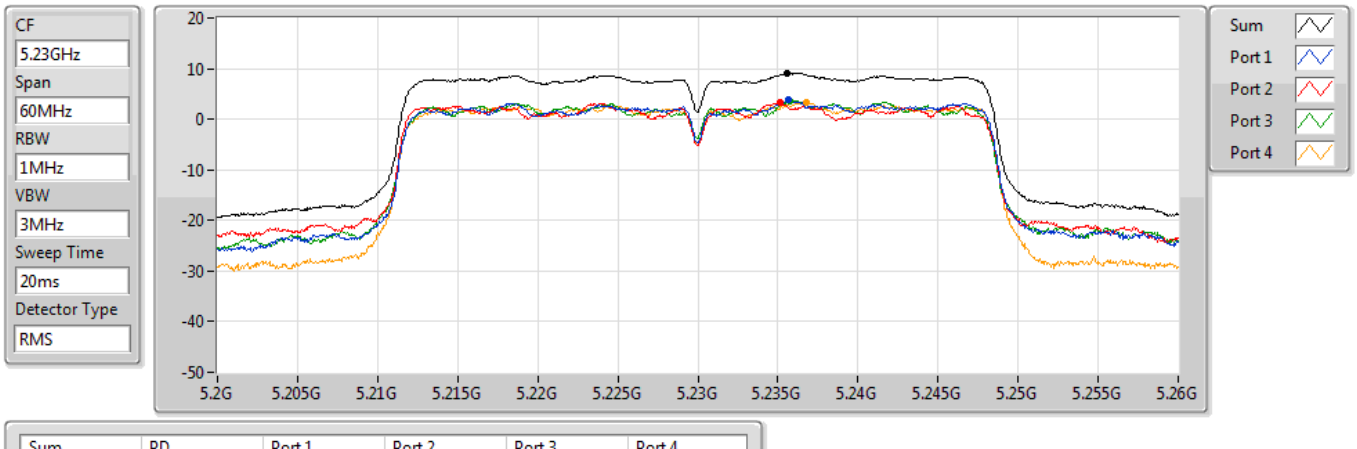
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.85	3.85	-2.21	-1.45	-2.21	-1.66

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5230MHz

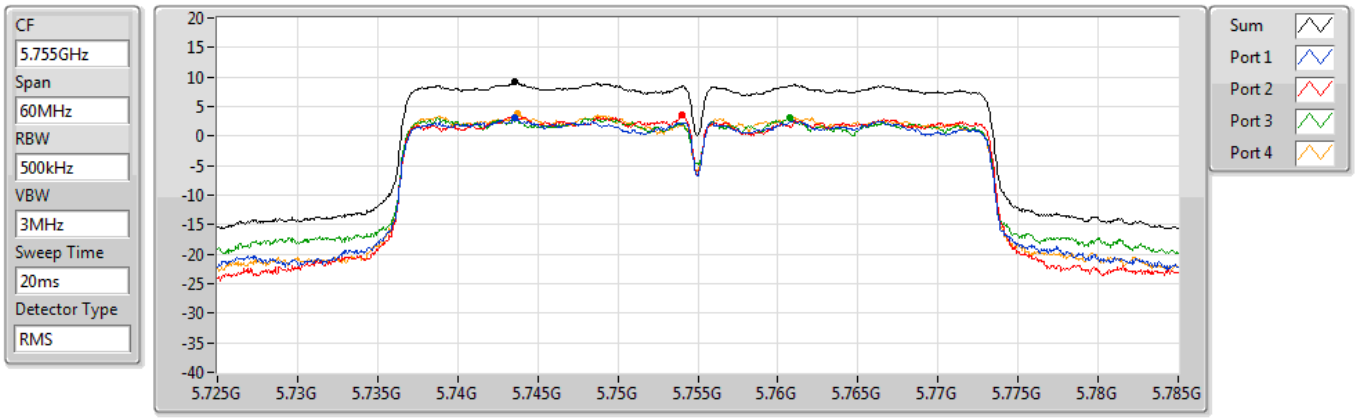


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.17	9.17	3.79	3.27	3.66	3.29

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5755MHz

07/07/2022

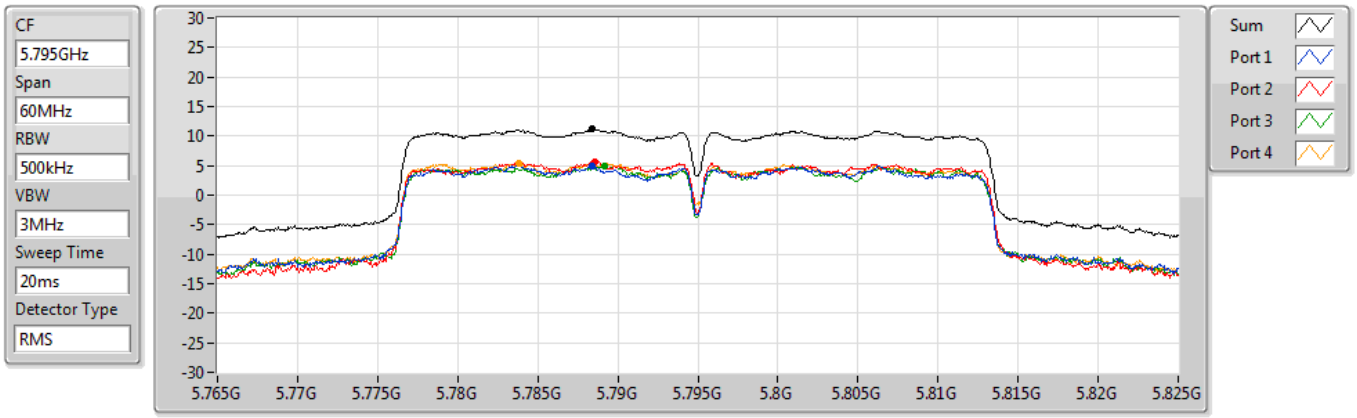


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.20	9.20	3.17	3.50	3.03	3.81

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5795MHz

07/07/2022

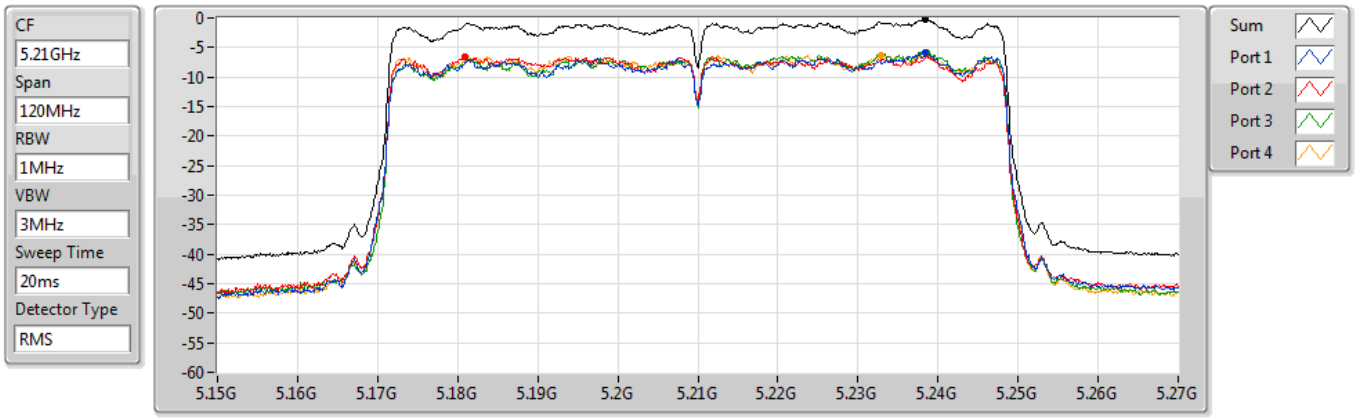


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.19	11.19	5.02	5.73	4.97	5.42

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

5210MHz

07/07/2022

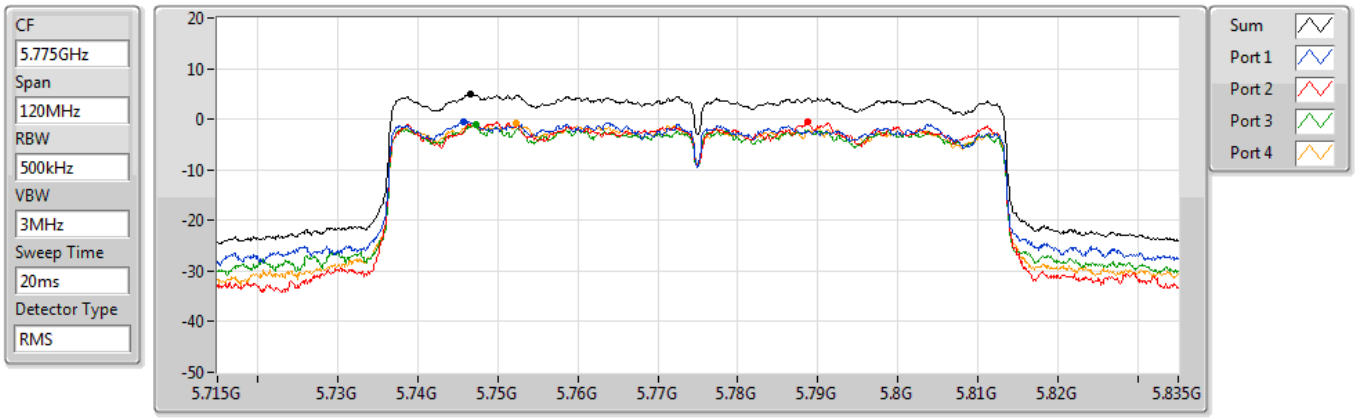


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.15	-0.15	-5.93	-6.45	-5.77	-6.23

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

5775MHz

07/07/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.97	4.97	-0.47	-0.56	-1.10	-0.70

Summary

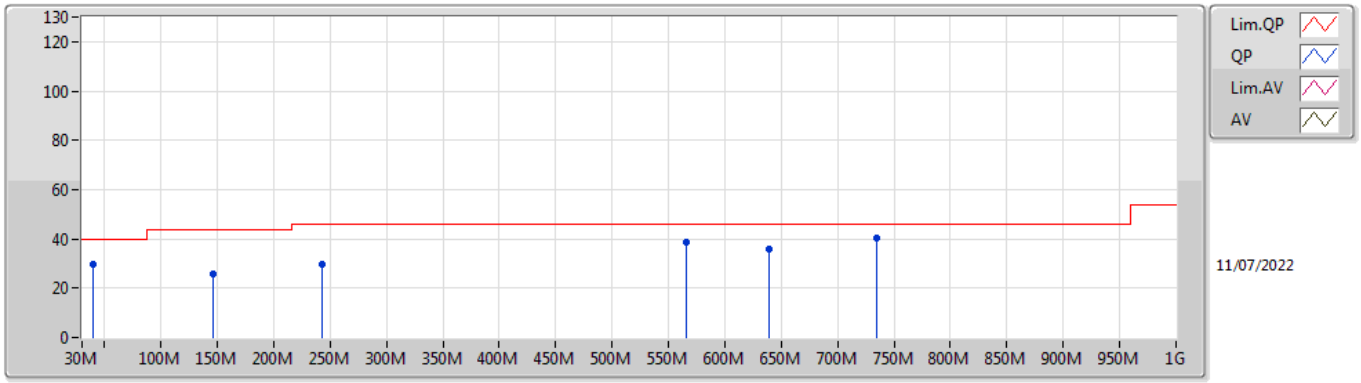
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	PK	730.34M	42.83	46.00	-3.17	3	Horizontal	360	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	39.7M	29.75	40.00	-10.25	3	Vertical	0	1.00	-
5775MHz	Pass	PK	146.4M	26.00	43.50	-17.50	3	Vertical	0	1.00	-
5775MHz	Pass	PK	243.4M	29.81	46.00	-16.19	3	Vertical	0	1.00	-
5775MHz	Pass	PK	565.44M	38.84	46.00	-7.16	3	Vertical	0	1.00	-
5775MHz	Pass	PK	639.16M	35.98	46.00	-10.02	3	Vertical	0	1.00	-
5775MHz	Pass	PK	734.22M	40.15	46.00	-5.85	3	Vertical	0	1.00	-
5775MHz	Pass	PK	196.84M	32.50	43.50	-11.00	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	220.12M	33.35	46.00	-12.65	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	249.22M	33.33	46.00	-12.67	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	563.5M	35.37	46.00	-10.63	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	623.64M	33.87	46.00	-12.13	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	730.34M	42.83	46.00	-3.17	3	Horizontal	360	1.00	-

802.11ac VHT80_Nss1,(MCS0)_4TX

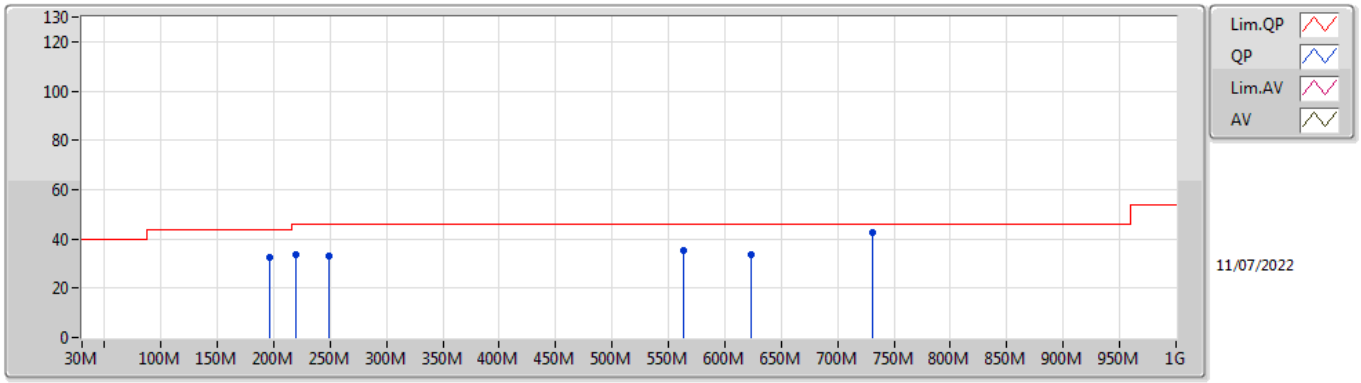
5775MHz_Adapter



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	39.7M	29.75	40.00	-10.25	-8.47	3	Vertical	0	1.00	-	38.22	18.05	1.02	27.54
PK	146.4M	26.00	43.50	-17.50	-9.49	3	Vertical	0	1.00	-	35.49	15.69	1.98	27.16
PK	243.4M	29.81	46.00	-16.19	-7.36	3	Vertical	0	1.00	-	37.17	16.76	2.59	26.71
PK	565.44M	38.84	46.00	-7.16	0.11	3	Vertical	0	1.00	-	38.73	24.05	4.04	27.98
PK	639.16M	35.98	46.00	-10.02	0.40	3	Vertical	0	1.00	-	35.58	24.06	4.35	28.01
PK	734.22M	40.15	46.00	-5.85	1.73	3	Vertical	0	1.00	-	38.42	24.83	4.68	27.78

802.11ac VHT80_Nss1,(MCS0)_4TX

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	196.84M	32.50	43.50	-11.00	-10.29	3	Horizontal	360	1.00	-	42.79	14.29	2.33	26.91
PK	220.12M	33.35	46.00	-12.65	-10.10	3	Horizontal	360	1.00	-	43.45	14.25	2.46	26.81
PK	249.22M	33.33	46.00	-12.67	-6.61	3	Horizontal	360	1.00	-	39.94	17.44	2.63	26.68
PK	563.5M	35.37	46.00	-10.63	0.13	3	Horizontal	360	1.00	-	35.24	24.08	4.03	27.98
PK	623.64M	33.87	46.00	-12.13	0.33	3	Horizontal	360	1.00	-	33.54	24.02	4.30	27.99
PK	730.34M	42.83	46.00	-3.17	1.62	3	Horizontal	360	1.00	-	41.21	24.76	4.66	27.80

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)_4TX	Pass	AV	5.15G	53.76	54.00	-0.24	3	Horizontal	67	1.56	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	5.15G	53.69	54.00	-0.31	3	Horizontal	253	2.28	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	AV	5.1428G	53.48	54.00	-0.52	3	Horizontal	253	2.21	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	AV	5.15G	53.22	54.00	-0.78	3	Horizontal	59	1.59	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	11.65522G	53.61	54.00	-0.39	3	Vertical	228	1.57	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	11.57608G	53.73	54.00	-0.27	3	Vertical	225	2.33	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	PK	5.6518G	69.28	69.53	-0.25	3	Horizontal	265	1.49	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	PK	5.6274G	66.77	68.20	-1.43	3	Horizontal	281	1.55	-

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)_4TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	48.27	54.00	-5.73	3	Vertical	295	1.50	-
5180MHz	Pass	AV	5.1734G	102.54	Inf	-Inf	3	Vertical	295	1.50	-
5180MHz	Pass	PK	5.1494G	62.11	74.00	-11.89	3	Vertical	295	1.50	-
5180MHz	Pass	PK	5.1732G	111.48	Inf	-Inf	3	Vertical	295	1.50	-
5180MHz	Pass	AV	5.15G	52.76	54.00	-1.24	3	Horizontal	66	1.52	-
5180MHz	Pass	AV	5.173G	107.31	Inf	-Inf	3	Horizontal	66	1.52	-
5180MHz	Pass	PK	5.15G	69.58	74.00	-4.42	3	Horizontal	66	1.52	-
5180MHz	Pass	PK	5.1734G	115.50	Inf	-Inf	3	Horizontal	66	1.52	-
5180MHz	Pass	AV	15.55164G	44.50	54.00	-9.50	3	Vertical	145	1.50	-
5180MHz	Pass	PK	10.3576G	53.97	68.20	-14.23	3	Vertical	286	1.00	-
5180MHz	Pass	PK	15.531G	57.16	74.00	-16.84	3	Vertical	145	1.50	-
5180MHz	Pass	AV	15.54966G	44.62	54.00	-9.38	3	Horizontal	55	1.50	-
5180MHz	Pass	PK	10.35538G	53.58	68.20	-14.62	3	Horizontal	322	1.50	-
5180MHz	Pass	PK	15.53244G	56.54	74.00	-17.46	3	Horizontal	55	1.50	-
5200MHz	Pass	AV	5.1492G	48.41	54.00	-5.59	3	Vertical	68	1.62	-
5200MHz	Pass	AV	5.1972G	105.09	Inf	-Inf	3	Vertical	68	1.62	-
5200MHz	Pass	PK	5.1476G	60.82	74.00	-13.18	3	Vertical	68	1.62	-
5200MHz	Pass	PK	5.1976G	113.37	Inf	-Inf	3	Vertical	68	1.62	-
5200MHz	Pass	AV	5.15G	53.76	54.00	-0.24	3	Horizontal	67	1.56	-
5200MHz	Pass	AV	5.1928G	111.14	Inf	-Inf	3	Horizontal	67	1.56	-
5200MHz	Pass	PK	5.1492G	68.47	74.00	-5.53	3	Horizontal	67	1.56	-
5200MHz	Pass	PK	5.1932G	119.45	Inf	-Inf	3	Horizontal	67	1.56	-
5200MHz	Pass	AV	15.5994G	44.31	54.00	-9.69	3	Vertical	69	2.33	-
5200MHz	Pass	PK	10.406G	55.80	68.20	-12.40	3	Vertical	305	1.25	-
5200MHz	Pass	PK	15.60036G	56.37	74.00	-17.63	3	Vertical	69	2.33	-
5200MHz	Pass	AV	15.60564G	44.28	54.00	-9.72	3	Horizontal	45	1.50	-
5200MHz	Pass	PK	10.4018G	54.42	68.20	-13.78	3	Horizontal	138	1.50	-
5200MHz	Pass	PK	15.58986G	56.73	74.00	-17.27	3	Horizontal	45	1.50	-
5240MHz	Pass	AV	5.1344G	49.51	54.00	-4.49	3	Vertical	297	1.44	-
5240MHz	Pass	AV	5.2328G	109.64	Inf	-Inf	3	Vertical	297	1.44	-
5240MHz	Pass	AV	5.351G	47.79	54.00	-6.21	3	Vertical	297	1.44	-
5240MHz	Pass	PK	5.1344G	62.94	74.00	-11.06	3	Vertical	297	1.44	-
5240MHz	Pass	PK	5.2334G	118.58	Inf	-Inf	3	Vertical	297	1.44	-
5240MHz	Pass	PK	5.354G	59.78	74.00	-14.22	3	Vertical	297	1.44	-
5240MHz	Pass	AV	5.15G	53.60	54.00	-0.40	3	Horizontal	67	1.48	-
5240MHz	Pass	AV	5.2328G	114.02	Inf	-Inf	3	Horizontal	67	1.48	-
5240MHz	Pass	AV	5.3522G	51.57	54.00	-2.43	3	Horizontal	67	1.48	-
5240MHz	Pass	PK	5.1494G	68.54	74.00	-5.46	3	Horizontal	67	1.48	-
5240MHz	Pass	PK	5.2328G	122.72	Inf	-Inf	3	Horizontal	67	1.48	-
5240MHz	Pass	PK	5.3534G	65.51	74.00	-8.49	3	Horizontal	67	1.48	-
5240MHz	Pass	PK	10.47952G	59.39	68.20	-8.81	3	Vertical	316	1.59	-
5240MHz	Pass	PK	15.72804G	56.73	74.00	-17.27	3	Vertical	103	1.56	-
5240MHz	Pass	AV	15.73098G	44.59	54.00	-9.41	3	Vertical	103	1.56	-
5240MHz	Pass	PK	10.48234G	57.22	68.20	-10.98	3	Horizontal	137	1.50	-
5240MHz	Pass	PK	15.7314G	56.22	74.00	-17.78	3	Horizontal	259	2.42	-
5240MHz	Pass	AV	15.7194G	44.72	54.00	-9.28	3	Horizontal	259	2.42	-
5745MHz	Pass	AV	5.7378G	106.07	Inf	-Inf	3	Vertical	223	1.56	-
5745MHz	Pass	PK	5.577G	60.32	68.20	-7.88	3	Vertical	223	1.56	-
5745MHz	Pass	PK	5.7378G	114.05	Inf	-Inf	3	Vertical	223	1.56	-
5745MHz	Pass	PK	6.0402G	60.47	68.20	-7.73	3	Vertical	223	1.56	-
5745MHz	Pass	AV	5.7378G	112.99	Inf	-Inf	3	Horizontal	277	2.08	-
5745MHz	Pass	PK	5.607G	61.55	68.20	-6.65	3	Horizontal	277	2.08	-
5745MHz	Pass	PK	5.7378G	121.11	Inf	-Inf	3	Horizontal	277	2.08	-
5745MHz	Pass	PK	5.9418G	60.97	68.20	-7.23	3	Horizontal	277	2.08	-
5745MHz	Pass	AV	11.48268G	53.56	54.00	-0.44	3	Vertical	229	1.55	-
5745MHz	Pass	PK	11.48166G	66.93	74.00	-7.07	3	Vertical	229	1.55	-
5745MHz	Pass	PK	17.22702G	57.33	68.20	-10.87	3	Vertical	226	1.50	-
5745MHz	Pass	AV	11.48994G	46.17	54.00	-7.83	3	Horizontal	320	1.50	-
5745MHz	Pass	PK	11.49024G	58.16	74.00	-15.84	3	Horizontal	320	1.50	-
5745MHz	Pass	PK	17.2395G	58.09	68.20	-10.11	3	Horizontal	102	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5785MHz	Pass	AV	5.7778G	108.92	Inf	-Inf	3	Vertical	246	1.55	-
5785MHz	Pass	PK	5.6458G	60.58	68.20	-7.62	3	Vertical	246	1.55	-
5785MHz	Pass	PK	5.7778G	117.55	Inf	-Inf	3	Vertical	246	1.55	-
5785MHz	Pass	PK	5.9398G	61.02	68.20	-7.18	3	Vertical	246	1.55	-
5785MHz	Pass	AV	5.7814G	114.74	Inf	-Inf	3	Horizontal	275	1.63	-
5785MHz	Pass	PK	5.5402G	63.23	68.20	-4.97	3	Horizontal	275	1.63	-
5785MHz	Pass	PK	5.7814G	123.99	Inf	-Inf	3	Horizontal	275	1.63	-
5785MHz	Pass	PK	5.9254G	63.89	68.20	-4.31	3	Horizontal	275	1.63	-
5785MHz	Pass	PK	11.57666G	66.64	74.00	-7.36	3	Vertical	229	2.30	-
5785MHz	Pass	AV	11.5763G	53.53	54.00	-0.47	3	Vertical	229	2.30	-
5785MHz	Pass	PK	17.34384G	57.13	68.20	-11.07	3	Vertical	9	2.82	-
5785MHz	Pass	AV	11.5655G	50.42	54.00	-3.58	3	Horizontal	290	1.36	-
5785MHz	Pass	PK	11.56592G	64.57	74.00	-9.43	3	Horizontal	290	1.36	-
5785MHz	Pass	PK	17.34192G	57.43	68.20	-10.77	3	Horizontal	108	2.09	-
5825MHz	Pass	AV	5.8178G	106.69	Inf	-Inf	3	Vertical	223	1.62	-
5825MHz	Pass	PK	5.525G	60.38	68.20	-7.82	3	Vertical	223	1.62	-
5825MHz	Pass	PK	5.8178G	115.13	Inf	-Inf	3	Vertical	223	1.62	-
5825MHz	Pass	PK	6.0986G	60.70	68.20	-7.50	3	Vertical	223	1.62	-
5825MHz	Pass	AV	5.8178G	113.86	Inf	-Inf	3	Horizontal	275	1.62	-
5825MHz	Pass	PK	5.6078G	63.40	68.20	-4.80	3	Horizontal	275	1.62	-
5825MHz	Pass	PK	5.8178G	122.21	Inf	-Inf	3	Horizontal	275	1.62	-
5825MHz	Pass	PK	5.9354G	61.79	68.20	-6.41	3	Horizontal	275	1.62	-
5825MHz	Pass	AV	11.65522G	53.61	54.00	-0.39	3	Vertical	228	1.57	-
5825MHz	Pass	PK	11.65534G	67.85	74.00	-6.15	3	Vertical	228	1.57	-
5825MHz	Pass	PK	17.4804G	57.52	68.20	-10.68	3	Vertical	114	1.50	-
5825MHz	Pass	AV	11.64544G	50.69	54.00	-3.31	3	Horizontal	293	1.59	-
5825MHz	Pass	PK	11.64532G	63.13	74.00	-10.87	3	Horizontal	293	1.59	-
5825MHz	Pass	PK	17.48658G	57.57	68.20	-10.63	3	Horizontal	109	2.71	-
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	52.58	54.00	-1.42	3	Vertical	110	1.62	-
5180MHz	Pass	AV	5.176G	103.33	Inf	-Inf	3	Vertical	110	1.62	-
5180MHz	Pass	PK	5.1464G	66.38	74.00	-7.62	3	Vertical	110	1.62	-
5180MHz	Pass	PK	5.1766G	112.07	Inf	-Inf	3	Vertical	110	1.62	-
5180MHz	Pass	AV	5.1496G	53.34	54.00	-0.66	3	Horizontal	290	1.60	-
5180MHz	Pass	AV	5.176G	107.96	Inf	-Inf	3	Horizontal	290	1.60	-
5180MHz	Pass	PK	5.15G	69.75	74.00	-4.25	3	Horizontal	290	1.60	-
5180MHz	Pass	PK	5.1762G	117.32	Inf	-Inf	3	Horizontal	290	1.60	-
5180MHz	Pass	AV	15.54204G	44.50	54.00	-9.50	3	Vertical	160	2.94	-
5180MHz	Pass	PK	10.34572G	54.04	68.20	-14.16	3	Vertical	310	1.50	-
5180MHz	Pass	PK	15.55368G	56.52	74.00	-17.48	3	Vertical	160	2.94	-
5180MHz	Pass	AV	15.5439G	44.38	54.00	-9.62	3	Horizontal	159	2.47	-
5180MHz	Pass	PK	10.36366G	54.12	68.20	-14.08	3	Horizontal	292	2.13	-
5180MHz	Pass	PK	15.52602G	56.78	74.00	-17.22	3	Horizontal	159	2.47	-
5200MHz	Pass	AV	5.15G	50.26	54.00	-3.74	3	Vertical	112	1.71	-
5200MHz	Pass	AV	5.1928G	107.04	Inf	-Inf	3	Vertical	112	1.71	-
5200MHz	Pass	PK	5.1496G	63.34	74.00	-10.66	3	Vertical	112	1.71	-
5200MHz	Pass	PK	5.1932G	115.93	Inf	-Inf	3	Vertical	112	1.71	-
5200MHz	Pass	AV	5.1492G	53.66	54.00	-0.34	3	Horizontal	47	2.02	-
5200MHz	Pass	AV	5.2072G	110.39	Inf	-Inf	3	Horizontal	47	2.02	-
5200MHz	Pass	PK	5.1492G	70.76	74.00	-3.24	3	Horizontal	47	2.02	-
5200MHz	Pass	PK	5.2076G	118.72	Inf	-Inf	3	Horizontal	47	2.02	-
5200MHz	Pass	AV	15.58608G	44.39	54.00	-9.61	3	Vertical	95	2.15	-
5200MHz	Pass	PK	10.40528G	55.17	68.20	-13.03	3	Vertical	307	1.40	-
5200MHz	Pass	PK	15.5895G	56.12	74.00	-17.88	3	Vertical	95	2.15	-
5200MHz	Pass	AV	15.59982G	44.42	54.00	-9.58	3	Horizontal	0	2.38	-
5200MHz	Pass	PK	10.41218G	54.50	68.20	-13.70	3	Horizontal	314	1.50	-
5200MHz	Pass	PK	15.60336G	57.36	74.00	-16.64	3	Horizontal	0	2.38	-
5240MHz	Pass	AV	5.15G	47.67	54.00	-6.33	3	Vertical	305	1.44	-
5240MHz	Pass	AV	5.2334G	107.27	Inf	-Inf	3	Vertical	305	1.44	-
5240MHz	Pass	AV	5.3744G	47.28	54.00	-6.72	3	Vertical	305	1.44	-
5240MHz	Pass	PK	5.1422G	60.25	74.00	-13.75	3	Vertical	305	1.44	-
5240MHz	Pass	PK	5.2328G	116.96	Inf	-Inf	3	Vertical	305	1.44	-

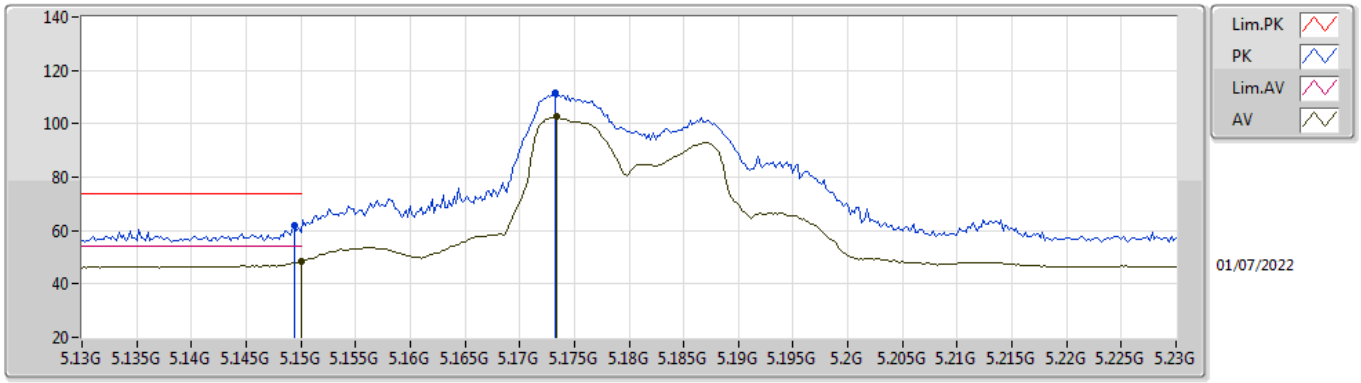
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5240MHz	Pass	PK	5.3552G	59.01	74.00	-14.99	3	Vertical	305	1.44	-
5240MHz	Pass	AV	5.15G	53.69	54.00	-0.31	3	Horizontal	253	2.28	-
5240MHz	Pass	AV	5.2322G	114.02	Inf	-Inf	3	Horizontal	253	2.28	-
5240MHz	Pass	AV	5.3534G	50.35	54.00	-3.65	3	Horizontal	253	2.28	-
5240MHz	Pass	PK	5.1494G	69.39	74.00	-4.61	3	Horizontal	253	2.28	-
5240MHz	Pass	PK	5.2328G	121.94	Inf	-Inf	3	Horizontal	253	2.28	-
5240MHz	Pass	PK	5.3534G	62.83	74.00	-11.17	3	Horizontal	253	2.28	-
5240MHz	Pass	AV	15.73374G	44.51	54.00	-9.49	3	Vertical	70	1.77	-
5240MHz	Pass	PK	10.47904G	57.93	68.20	-10.27	3	Vertical	310	1.59	-
5240MHz	Pass	PK	15.72054G	55.85	74.00	-18.15	3	Vertical	70	1.77	-
5240MHz	Pass	AV	15.73182G	44.39	54.00	-9.61	3	Horizontal	161	1.30	-
5240MHz	Pass	PK	10.48216G	55.09	68.20	-13.11	3	Horizontal	134	1.50	-
5240MHz	Pass	PK	15.72372G	55.61	74.00	-18.39	3	Horizontal	161	1.30	-
5745MHz	Pass	AV	5.745G	106.24	Inf	-Inf	3	Vertical	229	1.48	-
5745MHz	Pass	PK	5.6118G	60.24	68.20	-7.96	3	Vertical	229	1.48	-
5745MHz	Pass	PK	5.7462G	114.54	Inf	-Inf	3	Vertical	229	1.48	-
5745MHz	Pass	PK	5.9382G	60.46	68.20	-7.74	3	Vertical	229	1.48	-
5745MHz	Pass	AV	5.7378G	112.30	Inf	-Inf	3	Horizontal	295	2.11	-
5745MHz	Pass	PK	5.5014G	61.71	68.20	-6.49	3	Horizontal	295	2.11	-
5745MHz	Pass	PK	5.7378G	120.63	Inf	-Inf	3	Horizontal	295	2.11	-
5745MHz	Pass	PK	5.9478G	60.73	68.20	-7.47	3	Horizontal	295	2.11	-
5745MHz	Pass	AV	11.4828G	53.43	54.00	-0.57	3	Vertical	225	1.49	-
5745MHz	Pass	PK	11.48216G	66.97	74.00	-7.03	3	Vertical	225	1.49	-
5745MHz	Pass	PK	17.24564G	56.80	68.20	-11.40	3	Vertical	66	1.07	-
5745MHz	Pass	AV	11.48416G	47.18	54.00	-6.82	3	Horizontal	289	1.49	-
5745MHz	Pass	PK	11.4824G	60.27	74.00	-13.73	3	Horizontal	289	1.49	-
5745MHz	Pass	PK	17.23316G	57.38	68.20	-10.82	3	Horizontal	87	2.98	-
5785MHz	Pass	AV	5.7862G	106.69	Inf	-Inf	3	Vertical	228	1.41	-
5785MHz	Pass	PK	5.4934G	60.04	68.20	-8.16	3	Vertical	228	1.41	-
5785MHz	Pass	PK	5.7862G	115.47	Inf	-Inf	3	Vertical	228	1.41	-
5785MHz	Pass	PK	6.0334G	61.32	68.20	-6.88	3	Vertical	228	1.41	-
5785MHz	Pass	AV	5.7778G	113.15	Inf	-Inf	3	Horizontal	293	2.07	-
5785MHz	Pass	PK	5.6398G	62.74	68.20	-5.46	3	Horizontal	293	2.07	-
5785MHz	Pass	PK	5.7778G	121.93	Inf	-Inf	3	Horizontal	293	2.07	-
5785MHz	Pass	PK	6.019G	61.98	68.20	-6.22	3	Horizontal	293	2.07	-
5785MHz	Pass	AV	11.57608G	53.73	54.00	-0.27	3	Vertical	225	2.33	-
5785MHz	Pass	PK	11.57504G	67.16	74.00	-6.84	3	Vertical	225	2.33	-
5785MHz	Pass	PK	17.37252G	56.38	68.20	-11.82	3	Vertical	251	1.71	-
5785MHz	Pass	AV	11.57584G	50.59	54.00	-3.41	3	Horizontal	290	1.38	-
5785MHz	Pass	PK	11.57704G	62.90	74.00	-11.10	3	Horizontal	290	1.38	-
5785MHz	Pass	PK	17.33924G	56.28	68.20	-11.92	3	Horizontal	236	2.59	-
5825MHz	Pass	AV	5.825G	107.17	Inf	-Inf	3	Vertical	229	1.47	-
5825MHz	Pass	PK	5.5322G	61.38	68.20	-6.82	3	Vertical	229	1.47	-
5825MHz	Pass	PK	5.8262G	115.94	Inf	-Inf	3	Vertical	229	1.47	-
5825MHz	Pass	PK	5.9834G	61.37	68.20	-6.83	3	Vertical	229	1.47	-
5825MHz	Pass	AV	5.8178G	114.10	Inf	-Inf	3	Horizontal	295	2.00	-
5825MHz	Pass	PK	5.5298G	64.44	68.20	-3.76	3	Horizontal	295	2.00	-
5825MHz	Pass	PK	5.8178G	123.46	Inf	-Inf	3	Horizontal	295	2.00	-
5825MHz	Pass	PK	5.9354G	63.00	68.20	-5.20	3	Horizontal	295	2.00	-
5825MHz	Pass	AV	11.65456G	53.58	54.00	-0.42	3	Vertical	220	1.49	-
5825MHz	Pass	PK	11.65456G	65.72	74.00	-8.28	3	Vertical	220	1.49	-
5825MHz	Pass	PK	17.47932G	56.76	68.20	-11.44	3	Vertical	337	1.78	-
5825MHz	Pass	AV	11.64513G	51.68	54.00	-2.32	3	Horizontal	290	1.50	-
5825MHz	Pass	PK	11.65495G	61.55	74.00	-12.45	3	Horizontal	290	1.50	-
5825MHz	Pass	PK	17.48836G	56.99	68.20	-11.21	3	Horizontal	55	1.33	-
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1496G	49.32	54.00	-4.68	3	Vertical	288	1.56	-
5190MHz	Pass	AV	5.1912G	94.28	Inf	-Inf	3	Vertical	288	1.56	-
5190MHz	Pass	PK	5.1496G	64.55	74.00	-9.45	3	Vertical	288	1.56	-
5190MHz	Pass	PK	5.1748G	104.35	Inf	-Inf	3	Vertical	288	1.56	-
5190MHz	Pass	AV	5.1428G	53.48	54.00	-0.52	3	Horizontal	253	2.21	-
5190MHz	Pass	AV	5.202G	102.56	Inf	-Inf	3	Horizontal	253	2.21	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5190MHz	Pass	PK	5.1424G	70.52	74.00	-3.48	3	Horizontal	253	2.21	-
5190MHz	Pass	PK	5.2012G	110.25	Inf	-Inf	3	Horizontal	253	2.21	-
5190MHz	Pass	AV	15.58456G	44.74	54.00	-9.26	3	Vertical	68	2.17	-
5190MHz	Pass	PK	10.3616G	53.01	68.20	-15.19	3	Vertical	111	2.04	-
5190MHz	Pass	PK	15.5652G	56.16	74.00	-17.84	3	Vertical	68	2.17	-
5190MHz	Pass	AV	15.554G	44.72	54.00	-9.28	3	Horizontal	279	2.54	-
5190MHz	Pass	PK	10.3604G	53.53	68.20	-14.67	3	Horizontal	207	1.56	-
5190MHz	Pass	PK	15.5644G	55.72	74.00	-18.28	3	Horizontal	279	2.54	-
5230MHz	Pass	AV	5.15G	48.54	54.00	-5.46	3	Vertical	285	1.49	-
5230MHz	Pass	AV	5.2348G	101.02	Inf	-Inf	3	Vertical	285	1.49	-
5230MHz	Pass	PK	5.134G	61.08	74.00	-12.92	3	Vertical	285	1.49	-
5230MHz	Pass	PK	5.2352G	109.09	Inf	-Inf	3	Vertical	285	1.49	-
5230MHz	Pass	AV	5.142G	53.17	54.00	-0.83	3	Horizontal	253	2.80	-
5230MHz	Pass	AV	5.2412G	105.85	Inf	-Inf	3	Horizontal	253	2.80	-
5230MHz	Pass	PK	5.1404G	66.53	74.00	-7.47	3	Horizontal	253	2.80	-
5230MHz	Pass	PK	5.2404G	113.96	Inf	-Inf	3	Horizontal	253	2.80	-
5230MHz	Pass	AV	15.67872G	45.02	54.00	-8.98	3	Vertical	72	1.50	-
5230MHz	Pass	PK	10.47216G	54.28	68.20	-13.92	3	Vertical	304	1.50	-
5230MHz	Pass	PK	15.70976G	56.38	74.00	-17.62	3	Vertical	72	1.50	-
5230MHz	Pass	AV	15.68816G	45.00	54.00	-9.00	3	Horizontal	220	2.02	-
5230MHz	Pass	PK	10.4664G	53.65	68.20	-14.55	3	Horizontal	318	1.50	-
5230MHz	Pass	PK	15.69424G	56.05	74.00	-17.95	3	Horizontal	220	2.02	-
5755MHz	Pass	AV	5.761G	103.39	Inf	-Inf	3	Vertical	315	2.33	-
5755MHz	Pass	PK	5.6398G	65.18	68.20	-3.02	3	Vertical	315	2.33	-
5755MHz	Pass	PK	5.761G	111.51	Inf	-Inf	3	Vertical	315	2.33	-
5755MHz	Pass	PK	6.0478G	60.48	68.20	-7.72	3	Vertical	315	2.33	-
5755MHz	Pass	AV	5.7622G	109.53	Inf	-Inf	3	Horizontal	265	1.49	-
5755MHz	Pass	PK	5.6518G	69.28	69.53	-0.25	3	Horizontal	265	1.49	-
5755MHz	Pass	PK	5.743G	117.99	Inf	-Inf	3	Horizontal	265	1.49	-
5755MHz	Pass	PK	6.0082G	63.40	68.20	-4.80	3	Horizontal	265	1.49	-
5755MHz	Pass	AV	11.50256G	53.37	54.00	-0.63	3	Vertical	225	1.41	-
5755MHz	Pass	PK	11.5024G	64.03	74.00	-9.97	3	Vertical	225	1.41	-
5755MHz	Pass	PK	17.2607G	57.51	68.20	-10.69	3	Vertical	116	1.81	-
5755MHz	Pass	AV	11.50248G	48.10	54.00	-5.90	3	Horizontal	289	1.49	-
5755MHz	Pass	PK	11.50304G	58.84	74.00	-15.16	3	Horizontal	289	1.49	-
5755MHz	Pass	PK	17.2606G	57.73	68.20	-10.47	3	Horizontal	97	1.50	-
5795MHz	Pass	AV	5.801G	103.91	Inf	-Inf	3	Vertical	312	2.27	-
5795MHz	Pass	PK	5.5994G	61.64	68.20	-6.56	3	Vertical	312	2.27	-
5795MHz	Pass	PK	5.801G	112.59	Inf	-Inf	3	Vertical	312	2.27	-
5795MHz	Pass	PK	5.933G	63.42	68.20	-4.78	3	Vertical	312	2.27	-
5795MHz	Pass	AV	5.783G	110.79	Inf	-Inf	3	Horizontal	267	2.07	-
5795MHz	Pass	PK	5.6006G	67.27	68.20	-0.93	3	Horizontal	267	2.07	-
5795MHz	Pass	PK	5.783G	119.31	Inf	-Inf	3	Horizontal	267	2.07	-
5795MHz	Pass	PK	5.9222G	69.15	70.27	-1.12	3	Horizontal	267	2.07	-
5795MHz	Pass	AV	11.5859G	53.23	54.00	-0.77	3	Vertical	227	2.65	-
5795MHz	Pass	PK	11.5864G	64.43	74.00	-9.57	3	Vertical	227	2.65	-
5795MHz	Pass	PK	17.3892G	57.75	68.20	-10.45	3	Vertical	107	1.48	-
5795MHz	Pass	AV	11.5975G	50.95	54.00	-3.05	3	Horizontal	290	1.39	-
5795MHz	Pass	PK	11.5964G	62.23	74.00	-11.77	3	Horizontal	290	1.39	-
5795MHz	Pass	PK	17.3913G	57.53	68.20	-10.67	3	Horizontal	339	1.50	-
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.149G	49.81	54.00	-4.19	3	Vertical	288	1.62	-
5210MHz	Pass	AV	5.194G	92.69	Inf	-Inf	3	Vertical	288	1.62	-
5210MHz	Pass	AV	5.4G	48.40	54.00	-5.60	3	Vertical	288	1.62	-
5210MHz	Pass	PK	5.149G	62.93	74.00	-11.07	3	Vertical	288	1.62	-
5210MHz	Pass	PK	5.194G	101.11	Inf	-Inf	3	Vertical	288	1.62	-
5210MHz	Pass	PK	5.4G	58.00	74.00	-16.00	3	Vertical	288	1.62	-
5210MHz	Pass	AV	5.15G	53.22	54.00	-0.78	3	Horizontal	59	1.59	-
5210MHz	Pass	AV	5.213G	96.74	Inf	-Inf	3	Horizontal	59	1.59	-
5210MHz	Pass	AV	5.375G	49.12	54.00	-4.88	3	Horizontal	59	1.59	-
5210MHz	Pass	PK	5.15G	69.05	74.00	-4.95	3	Horizontal	59	1.59	-
5210MHz	Pass	PK	5.213G	103.69	Inf	-Inf	3	Horizontal	59	1.59	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5210MHz	Pass	PK	5.457G	58.55	74.00	-15.45	3	Horizontal	59	1.59	-
5210MHz	Pass	AV	15.6404G	46.62	54.00	-7.38	3	Vertical	188	1.50	-
5210MHz	Pass	PK	10.39616G	53.07	68.20	-15.13	3	Vertical	253	2.04	-
5210MHz	Pass	PK	15.6124G	56.64	74.00	-17.36	3	Vertical	188	1.50	-
5210MHz	Pass	AV	15.59832G	46.18	54.00	-7.82	3	Horizontal	15	1.34	-
5210MHz	Pass	PK	10.39808G	53.43	68.20	-14.77	3	Horizontal	188	1.50	-
5210MHz	Pass	PK	15.60376G	56.17	74.00	-17.83	3	Horizontal	15	1.34	-
5775MHz	Pass	AV	5.745G	98.90	Inf	-Inf	3	Vertical	230	2.47	-
5775MHz	Pass	PK	5.6478G	63.84	68.20	-4.36	3	Vertical	230	2.47	-
5775MHz	Pass	PK	5.745G	105.65	Inf	-Inf	3	Vertical	230	2.47	-
5775MHz	Pass	PK	6.0426G	61.54	68.20	-6.66	3	Vertical	230	2.47	-
5775MHz	Pass	AV	5.757G	102.25	Inf	-Inf	3	Horizontal	281	1.55	-
5775MHz	Pass	PK	5.6274G	66.77	68.20	-1.43	3	Horizontal	281	1.55	-
5775MHz	Pass	PK	5.7978G	111.17	Inf	-Inf	3	Horizontal	281	1.55	-
5775MHz	Pass	PK	5.931G	62.80	68.20	-5.40	3	Horizontal	281	1.55	-
5775MHz	Pass	AV	11.54232G	45.67	54.00	-8.33	3	Vertical	226	1.45	-
5775MHz	Pass	PK	11.52264G	55.06	74.00	-18.94	3	Vertical	226	1.45	-
5775MHz	Pass	PK	17.31124G	56.29	68.20	-11.91	3	Vertical	123	2.49	-
5775MHz	Pass	AV	11.57832G	44.41	54.00	-9.59	3	Horizontal	289	1.54	-
5775MHz	Pass	PK	11.57416G	54.37	74.00	-19.63	3	Horizontal	289	1.54	-
5775MHz	Pass	PK	17.345G	57.44	68.20	-10.76	3	Horizontal	36	1.50	-

802.11a_Nss1,(6Mbps)_4TX

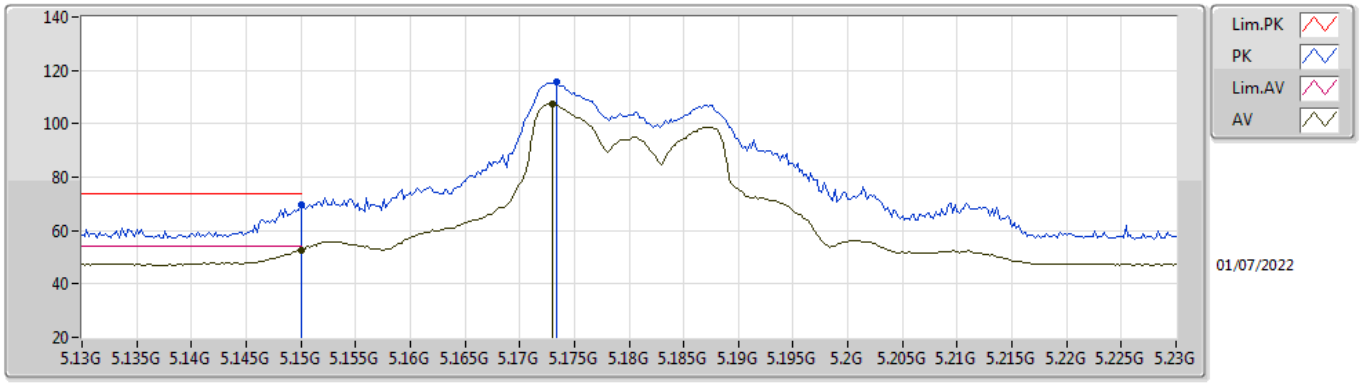
5180MHz_TX



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	48.27	54.00	-5.73	5.15	3	Vertical	295	1.50	-	43.12	33.10	6.49	34.44
AV	5.1734G	102.54	Inf	-Inf	5.12	3	Vertical	295	1.50	-	97.42	33.05	6.51	34.44
PK	5.1494G	62.11	74.00	-11.89	5.15	3	Vertical	295	1.50	-	56.96	33.10	6.49	34.44
PK	5.1732G	111.48	Inf	-Inf	5.12	3	Vertical	295	1.50	-	106.36	33.05	6.51	34.44

802.11a_Nss1,(6Mbps)_4TX

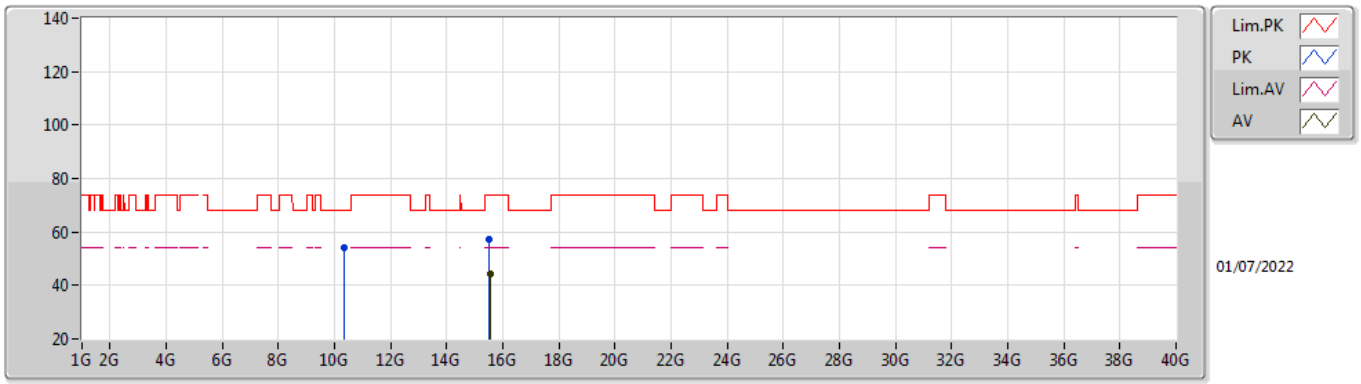
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	52.76	54.00	-1.24	5.15	3	Horizontal	66	1.52	-	47.61	33.10	6.49	34.44
AV	5.173G	107.31	Inf	-Inf	5.12	3	Horizontal	66	1.52	-	102.19	33.05	6.51	34.44
PK	5.15G	69.58	74.00	-4.42	5.15	3	Horizontal	66	1.52	-	64.43	33.10	6.49	34.44
PK	5.1734G	115.50	Inf	-Inf	5.12	3	Horizontal	66	1.52	-	110.38	33.05	6.51	34.44

802.11a_Nss1,(6Mbps)_4TX

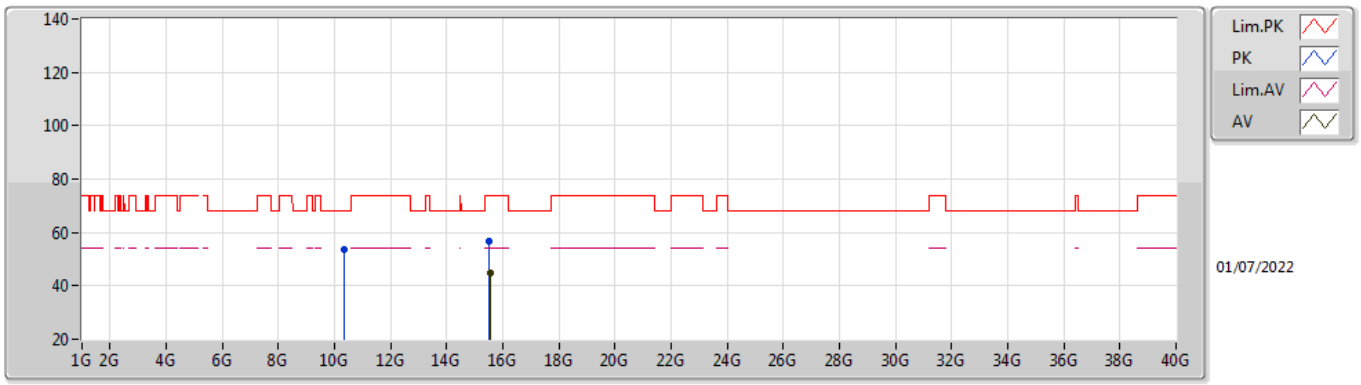
5180MHz_TX



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	15.55164G	44.50	54.00	-9.50	15.86	3	Vertical	145	1.50	-	28.64	38.70	11.64	34.48
PK	10.3576G	53.97	68.20	-14.23	13.47	3	Vertical	286	1.00	-	40.50	38.66	9.51	34.70
PK	15.531G	57.16	74.00	-16.84	15.90	3	Vertical	145	1.50	-	41.26	38.74	11.63	34.47

802.11a_Nss1,(6Mbps)_4TX

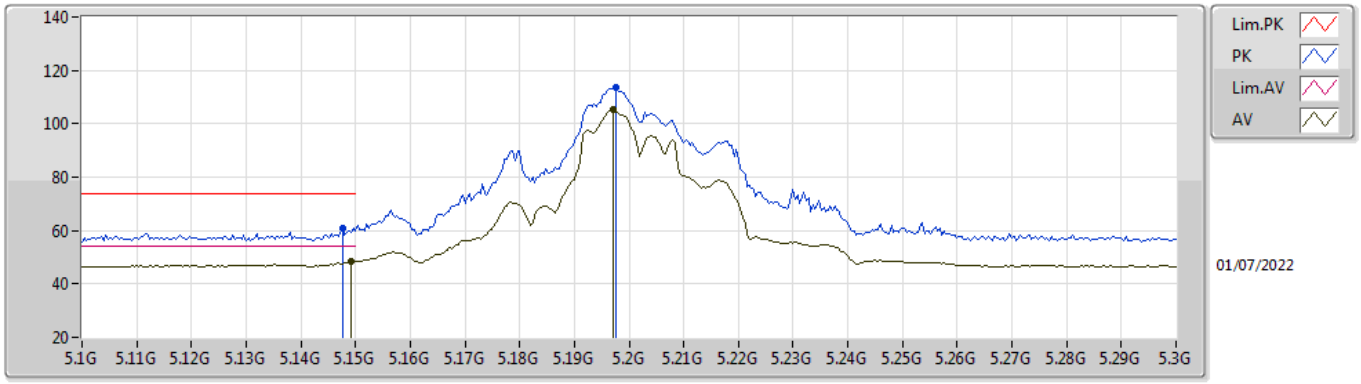
5180MHz_TX



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	15.54966G	44.62	54.00	-9.38	15.86	3	Horizontal	55	1.50	-	28.76	38.70	11.64	34.48
PK	10.35538G	53.58	68.20	-14.62	13.47	3	Horizontal	322	1.50	-	40.11	38.66	9.51	34.70
PK	15.53244G	56.54	74.00	-17.46	15.90	3	Horizontal	55	1.50	-	40.64	38.74	11.63	34.47

802.11a_Nss1,(6Mbps)_4TX

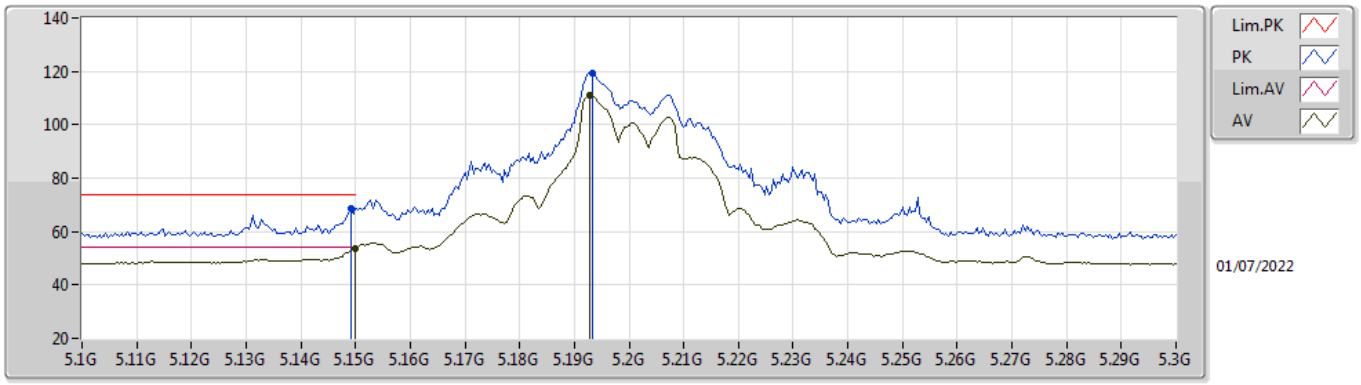
5200MHz_TX



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	5.1492G	48.41	54.00	-5.59	5.15	3	Vertical	68	1.62	-	43.26	33.10	6.49	34.44
AV	5.1972G	105.09	Inf	-Inf	5.10	3	Vertical	68	1.62	-	99.99	33.01	6.53	34.44
PK	5.1476G	60.82	74.00	-13.18	5.15	3	Vertical	68	1.62	-	55.67	33.10	6.49	34.44
PK	5.1976G	113.37	Inf	-Inf	5.09	3	Vertical	68	1.62	-	108.28	33.00	6.53	34.44

802.11a_Nss1,(6Mbps)_4TX

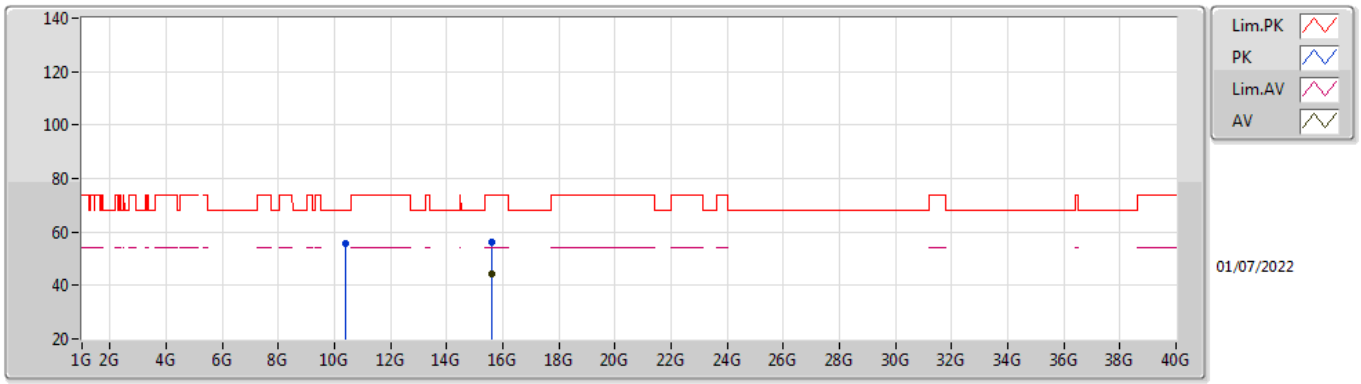
5200MHz_TX



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	53.76	54.00	-0.24	5.15	3	Horizontal	67	1.56	-	48.61	33.10	6.49	34.44
AV	5.1928G	111.14	Inf	-Inf	5.09	3	Horizontal	67	1.56	-	106.05	33.01	6.52	34.44
PK	5.1492G	68.47	74.00	-5.53	5.15	3	Horizontal	67	1.56	-	63.32	33.10	6.49	34.44
PK	5.1932G	119.45	Inf	-Inf	5.09	3	Horizontal	67	1.56	-	114.36	33.01	6.52	34.44

802.11a_Nss1,(6Mbps)_4TX

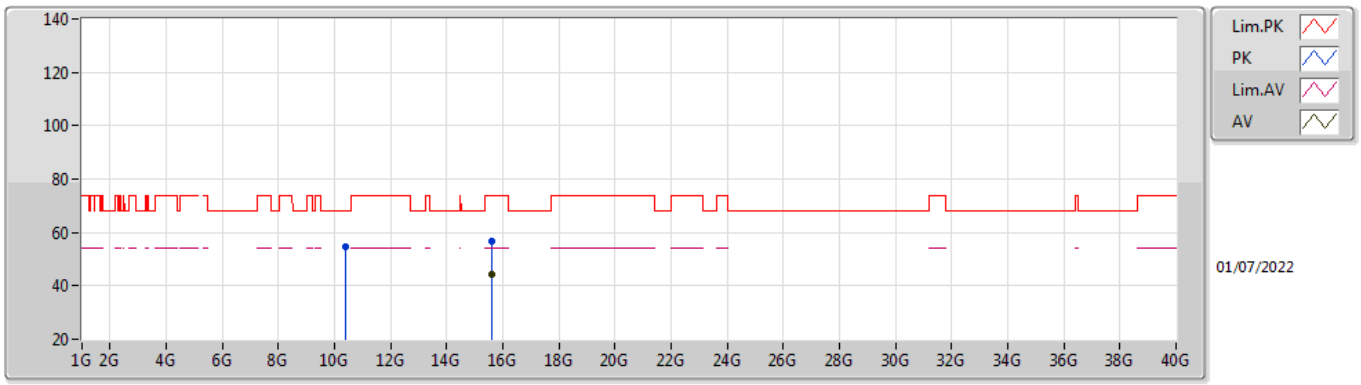
5200MHz_TX



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	15.5994G	44.31	54.00	-9.69	15.75	3	Vertical	69	2.33	-	28.56	38.60	11.66	34.51
PK	10.406G	55.80	68.20	-12.40	13.59	3	Vertical	305	1.25	-	42.21	38.69	9.52	34.62
PK	15.60036G	56.37	74.00	-17.63	15.75	3	Vertical	69	2.33	-	40.62	38.60	11.66	34.51

802.11a_Nss1,(6Mbps)_4TX

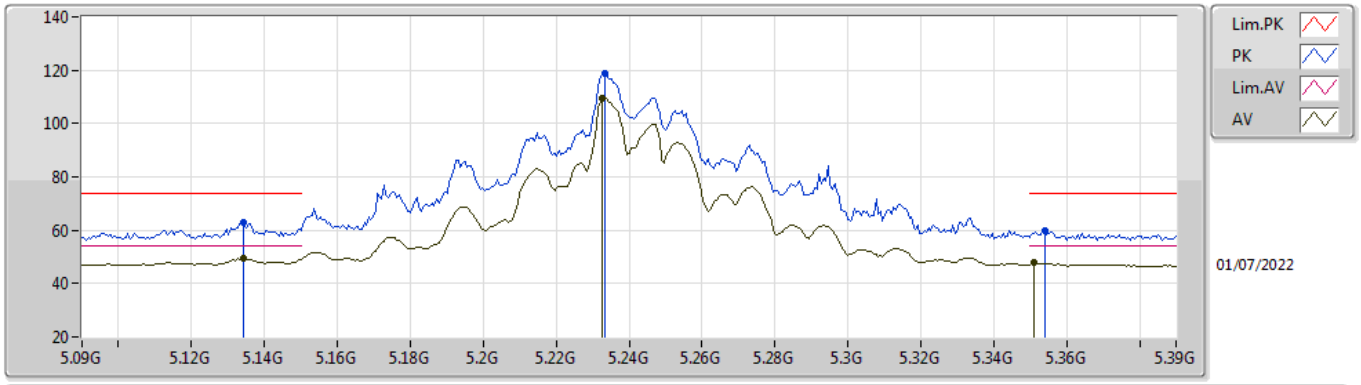
5200MHz_TX



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	15.60564G	44.28	54.00	-9.72	15.73	3	Horizontal	45	1.50	-	28.55	38.59	11.66	34.52
PK	10.4018G	54.42	68.20	-13.78	13.59	3	Horizontal	138	1.50	-	40.83	38.70	9.52	34.63
PK	15.58986G	56.73	74.00	-17.27	15.77	3	Horizontal	45	1.50	-	40.96	38.62	11.66	34.51

802.11a_Nss1,(6Mbps)_4TX

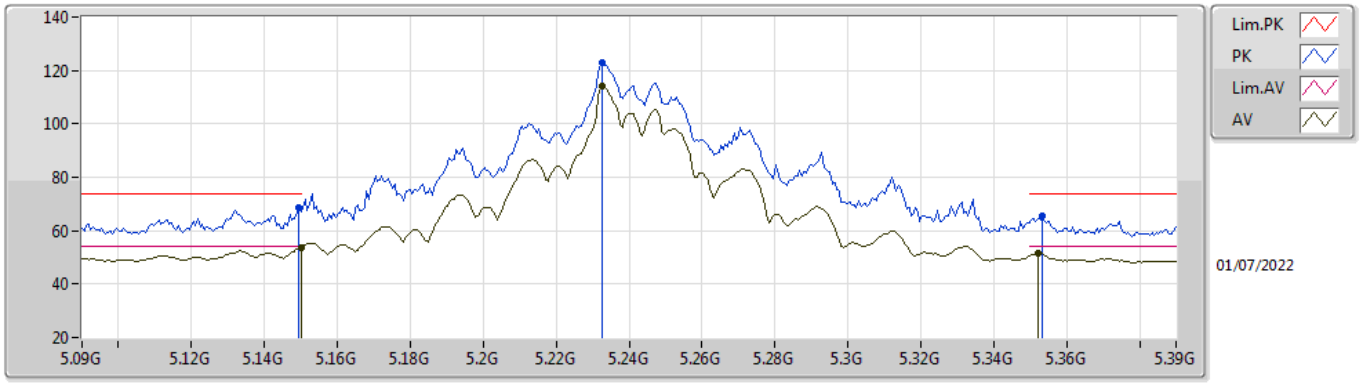
5240MHz_TX



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	5.1344G	49.51	54.00	-4.49	5.17	3	Vertical	297	1.44	-	44.34	33.13	6.48	34.44
AV	5.2328G	109.64	Inf	-Inf	5.06	3	Vertical	297	1.44	-	104.58	32.93	6.57	34.44
AV	5.351G	47.79	54.00	-6.21	5.15	3	Vertical	297	1.44	-	42.64	32.90	6.70	34.45
PK	5.1344G	62.94	74.00	-11.06	5.17	3	Vertical	297	1.44	-	57.77	33.13	6.48	34.44
PK	5.2334G	118.58	Inf	-Inf	5.06	3	Vertical	297	1.44	-	113.52	32.93	6.57	34.44
PK	5.354G	59.78	74.00	-14.22	5.17	3	Vertical	297	1.44	-	54.61	32.91	6.71	34.45

802.11a_Nss1,(6Mbps)_4TX

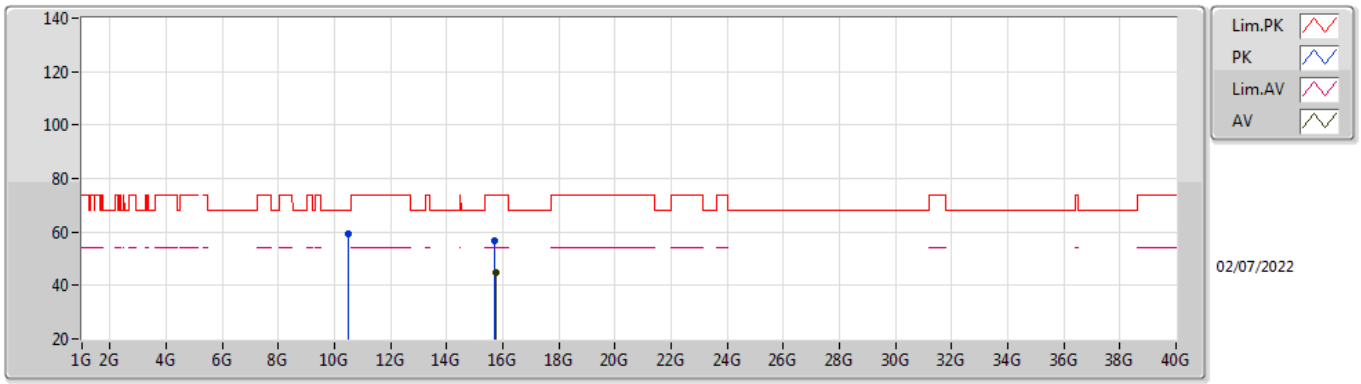
5240MHz_TX



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	5.15G	53.60	54.00	-0.40	5.15	3	Horizontal	67	1.48	-	48.45	33.10	6.49	34.44
AV	5.2328G	114.02	Inf	-Inf	5.06	3	Horizontal	67	1.48	-	108.96	32.93	6.57	34.44
AV	5.3522G	51.57	54.00	-2.43	5.16	3	Horizontal	67	1.48	-	46.41	32.90	6.71	34.45
PK	5.1494G	68.54	74.00	-5.46	5.15	3	Horizontal	67	1.48	-	63.39	33.10	6.49	34.44
PK	5.2328G	122.72	Inf	-Inf	5.06	3	Horizontal	67	1.48	-	117.66	32.93	6.57	34.44
PK	5.3534G	65.51	74.00	-8.49	5.17	3	Horizontal	67	1.48	-	60.34	32.91	6.71	34.45

802.11a_Nss1,(6Mbps)_4TX

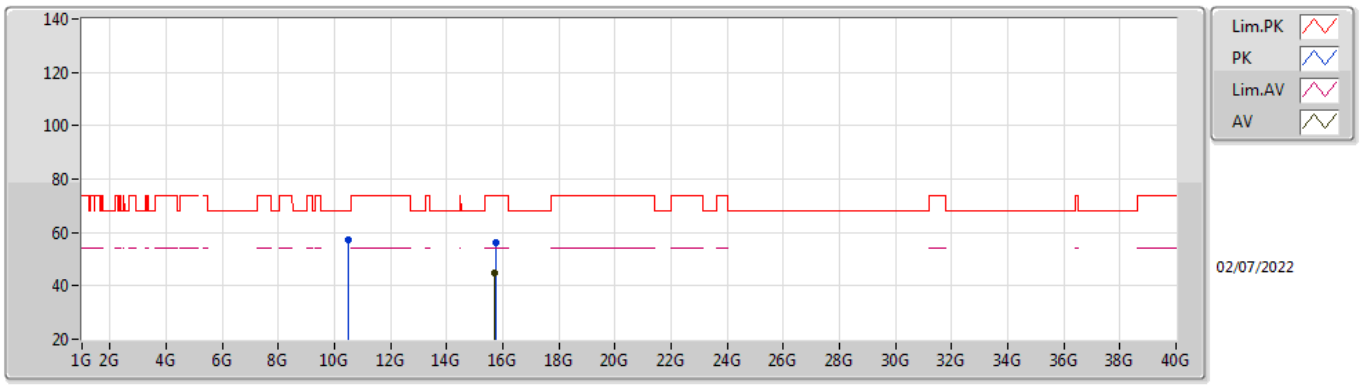
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.47952G	59.39	68.20	-8.81	13.66	3	Vertical	316	1.59	-	45.73	38.62	9.55	34.51
PK	15.72804G	56.73	74.00	-17.27	15.54	3	Vertical	103	1.56	-	41.19	38.43	11.71	34.60
AV	15.73098G	44.59	54.00	-9.41	15.55	3	Vertical	103	1.56	-	29.04	38.43	11.72	34.60

802.11a_Nss1,(6Mbps)_4TX

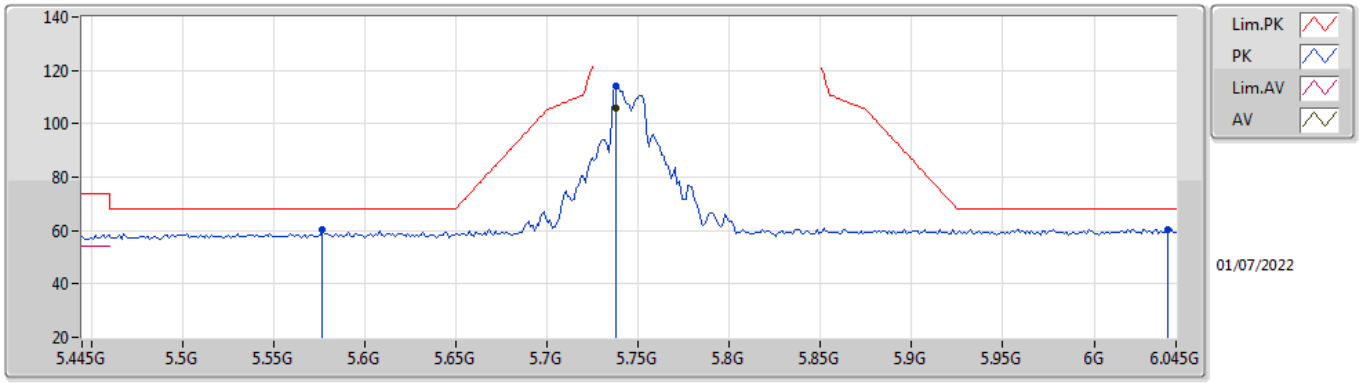
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.48234G	57.22	68.20	-10.98	13.66	3	Horizontal	137	1.50	-	43.56	38.62	9.55	34.51
PK	15.7314G	56.22	74.00	-17.78	15.55	3	Horizontal	259	2.42	-	40.67	38.43	11.72	34.60
AV	15.7194G	44.72	54.00	-9.28	15.54	3	Horizontal	259	2.42	-	29.18	38.42	11.71	34.59

802.11a_Nss1,(6Mbps)_4TX

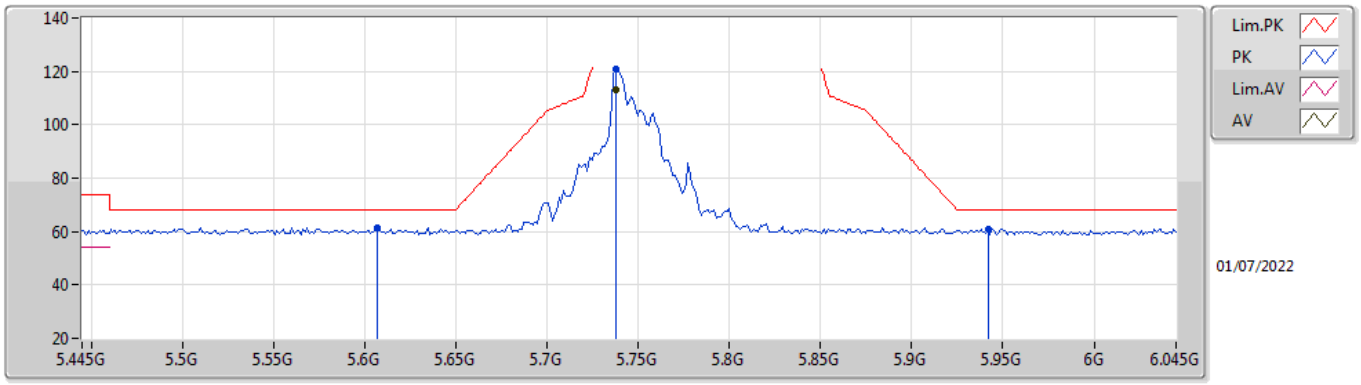
5745MHz_TX



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	5.7378G	106.07	Inf	-Inf	6.12	3	Vertical	223	1.56	-	99.95	33.70	6.91	34.49
PK	5.577G	60.32	68.20	-7.88	5.49	3	Vertical	223	1.56	-	54.83	33.11	6.85	34.47
PK	5.7378G	114.05	Inf	-Inf	6.12	3	Vertical	223	1.56	-	107.93	33.70	6.91	34.49
PK	6.0402G	60.47	68.20	-7.73	6.95	3	Vertical	223	1.56	-	53.52	34.36	7.12	34.53

802.11a_Nss1,(6Mbps)_4TX

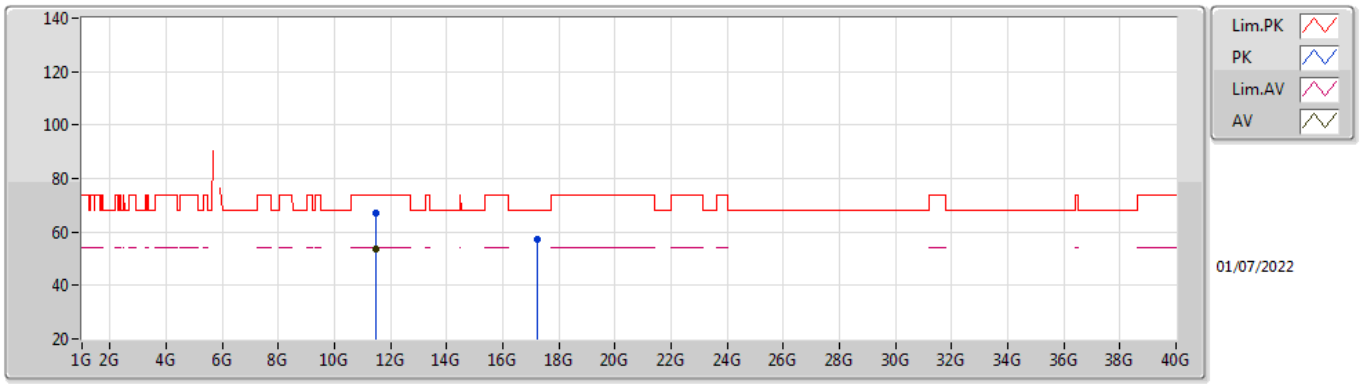
5745MHz_TX



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	5.7378G	112.99	Inf	-Inf	6.12	3	Horizontal	277	2.08	-	106.87	33.70	6.91	34.49
PK	5.607G	61.55	68.20	-6.65	5.60	3	Horizontal	277	2.08	-	55.95	33.21	6.86	34.47
PK	5.7378G	121.11	Inf	-Inf	6.12	3	Horizontal	277	2.08	-	114.99	33.70	6.91	34.49
PK	5.9418G	60.97	68.20	-7.23	6.90	3	Horizontal	277	2.08	-	54.07	34.35	7.06	34.51

802.11a_Nss1,(6Mbps)_4TX

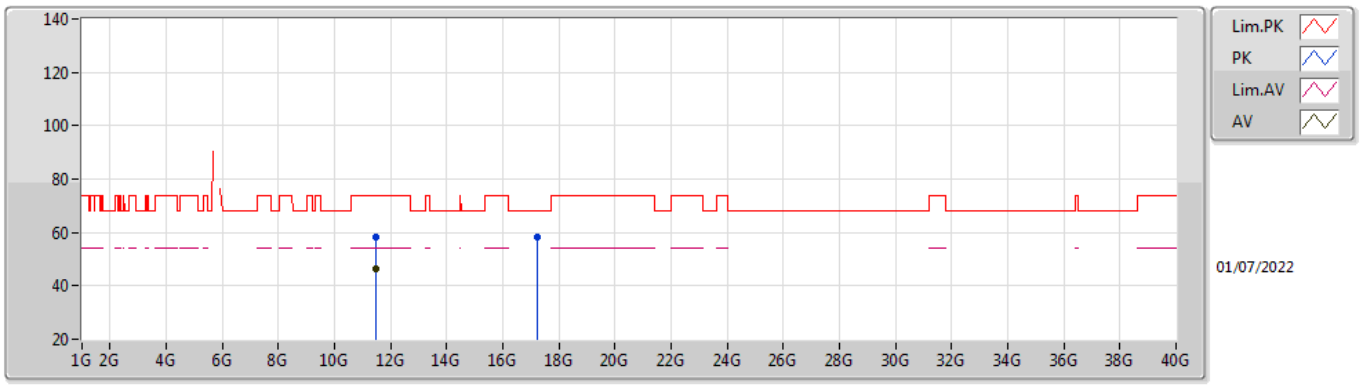
5745MHz_TX



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	11.48268G	53.56	54.00	-0.44	14.95	3	Vertical	229	1.55	-	38.61	39.00	9.91	33.96
PK	11.48166G	66.93	74.00	-7.07	14.95	3	Vertical	229	1.55	-	51.98	39.00	9.91	33.96
PK	17.22702G	57.33	68.20	-10.87	16.72	3	Vertical	226	1.50	-	40.61	38.43	12.33	34.04

802.11a_Nss1,(6Mbps)_4TX

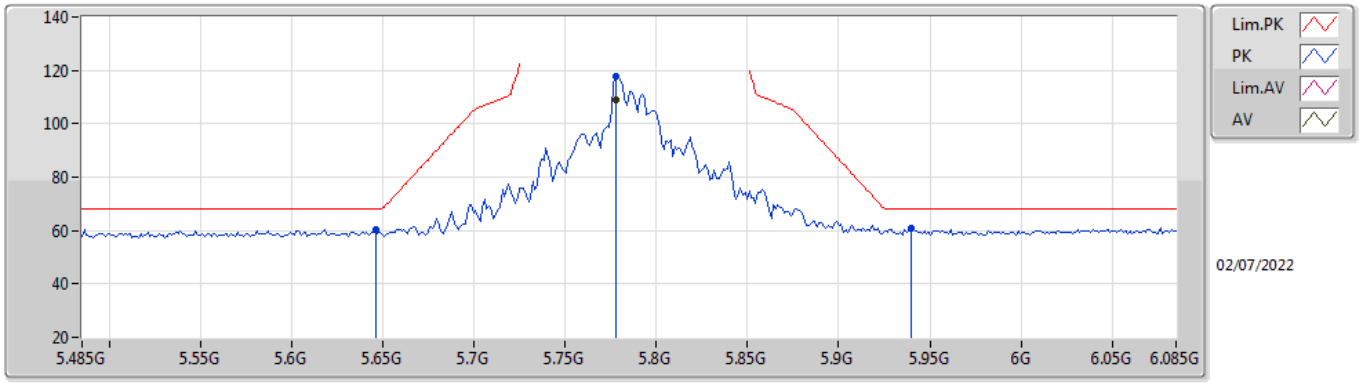
5745MHz_TX



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	11.48994G	46.17	54.00	-7.83	14.95	3	Horizontal	320	1.50	-	31.22	39.00	9.91	33.96
PK	11.49024G	58.16	74.00	-15.84	14.95	3	Horizontal	320	1.50	-	43.21	39.00	9.91	33.96
PK	17.2395G	58.09	68.20	-10.11	16.72	3	Horizontal	102	1.50	-	41.37	38.44	12.33	34.05

802.11a_Nss1,(6Mbps)_4TX

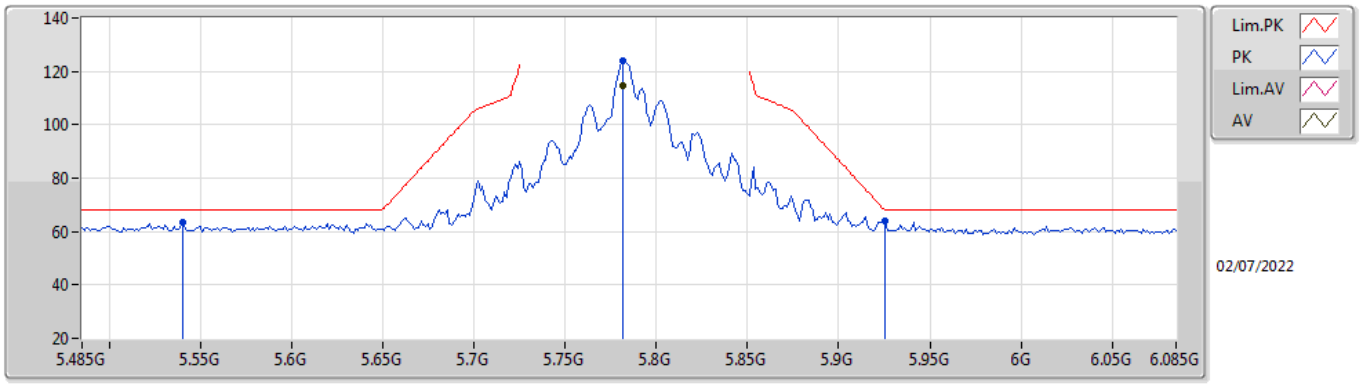
5785MHz_TX



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	5.7778G	108.92	Inf	-Inf	6.29	3	Vertical	246	1.55	-	102.63	33.86	6.92	34.49
PK	5.6458G	60.58	68.20	-7.62	5.69	3	Vertical	246	1.55	-	54.89	33.29	6.88	34.48
PK	5.7778G	117.55	Inf	-Inf	6.29	3	Vertical	246	1.55	-	111.26	33.86	6.92	34.49
PK	5.9398G	61.02	68.20	-7.18	6.89	3	Vertical	246	1.55	-	54.13	34.34	7.06	34.51

802.11a_Nss1,(6Mbps)_4TX

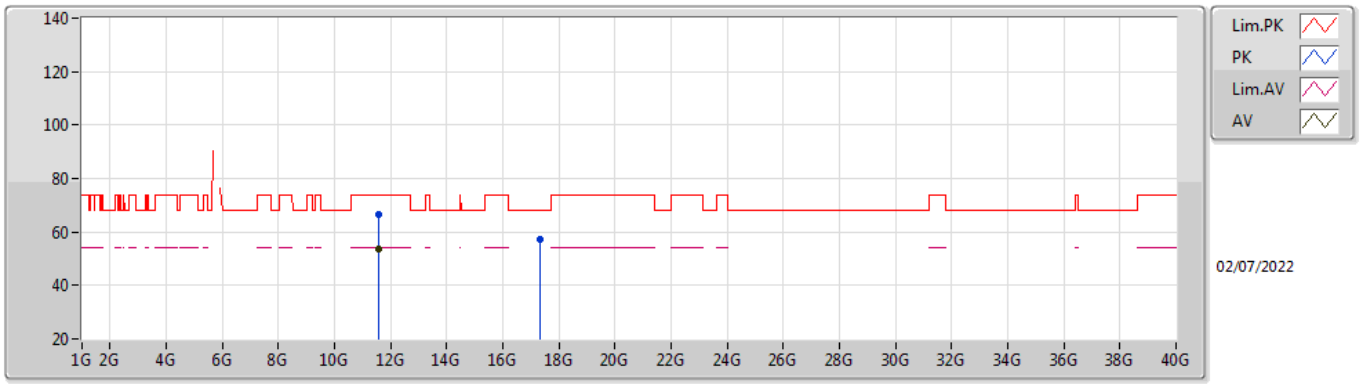
5785MHz_TX



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	5.7814G	114.74	Inf	-Inf	6.29	3	Horizontal	275	1.63	-	108.45	33.86	6.92	34.49
PK	5.5402G	63.23	68.20	-4.97	5.41	3	Horizontal	275	1.63	-	57.82	33.04	6.83	34.46
PK	5.7814G	123.99	Inf	-Inf	6.29	3	Horizontal	275	1.63	-	117.70	33.86	6.92	34.49
PK	5.9254G	63.89	68.20	-4.31	6.78	3	Horizontal	275	1.63	-	57.11	34.25	7.04	34.51

802.11a_Nss1,(6Mbps)_4TX

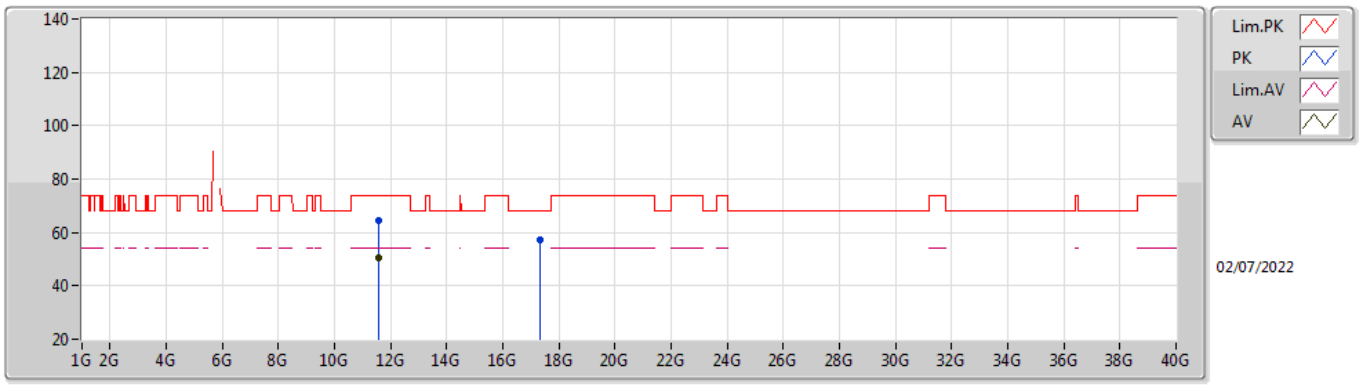
5785MHz_TX



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)
PK	11.57666G	66.64	74.00	-7.36	14.86	3	Vertical	229	2.30	-	51.78	38.92	9.94	34.00
AV	11.5763G	53.53	54.00	-0.47	14.86	3	Vertical	229	2.30	-	38.67	38.92	9.94	34.00
PK	17.34384G	57.13	68.20	-11.07	16.87	3	Vertical	9	2.82	-	40.26	38.63	12.37	34.13

802.11a_Nss1,(6Mbps)_4TX

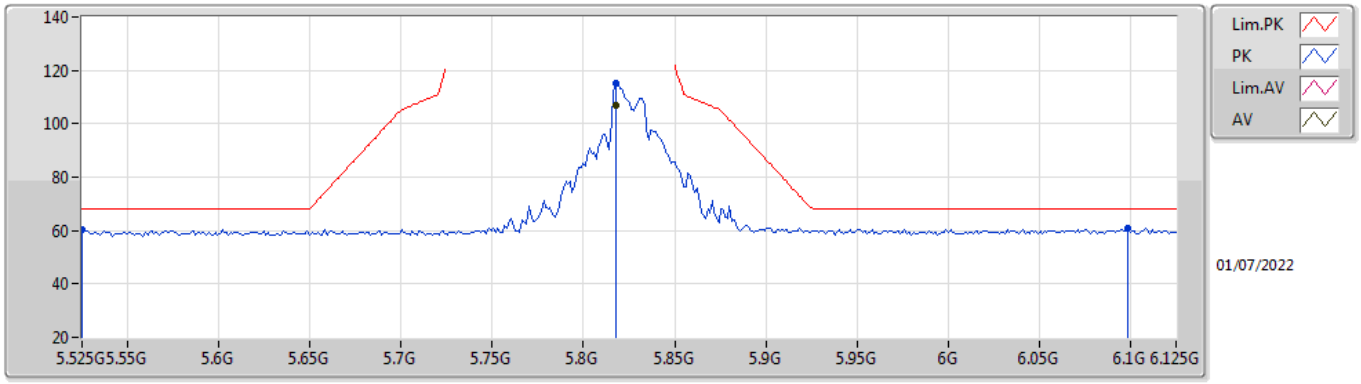
5785MHz_TX



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	11.5655G	50.42	54.00	-3.58	14.88	3	Horizontal	290	1.36	-	35.54	38.93	9.94	33.99
PK	11.56592G	64.57	74.00	-9.43	14.88	3	Horizontal	290	1.36	-	49.69	38.93	9.94	33.99
PK	17.34192G	57.43	68.20	-10.77	16.87	3	Horizontal	108	2.09	-	40.56	38.63	12.37	34.13

802.11a_Nss1,(6Mbps)_4TX

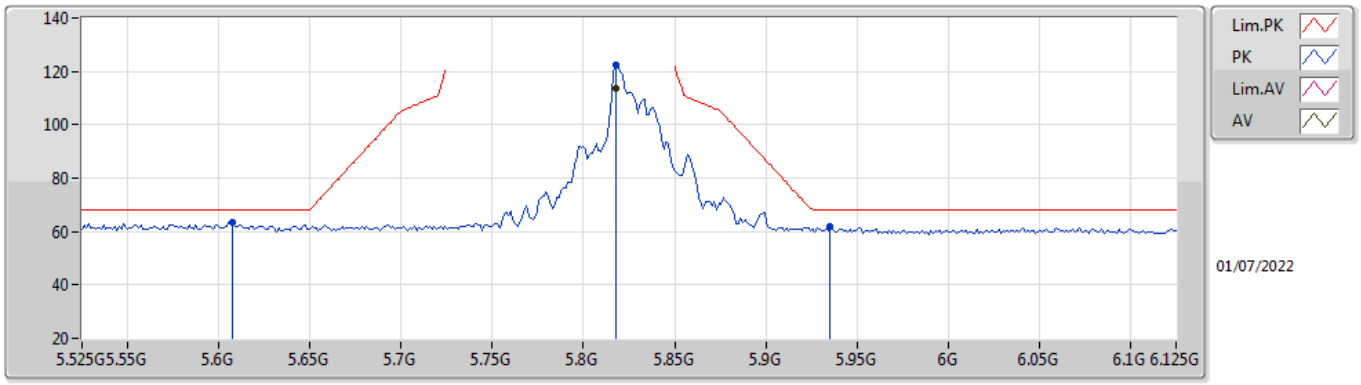
5825MHz_TX



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	5.8178G	106.69	Inf	-Inf	6.46	3	Vertical	223	1.62	-	100.23	34.01	6.95	34.50
PK	5.525G	60.38	68.20	-7.82	5.46	3	Vertical	223	1.62	-	54.92	33.10	6.82	34.46
PK	5.8178G	115.13	Inf	-Inf	6.46	3	Vertical	223	1.62	-	108.67	34.01	6.95	34.50
PK	6.0986G	60.70	68.20	-7.50	6.81	3	Vertical	223	1.62	-	53.89	34.21	7.14	34.54

802.11a_Nss1,(6Mbps)_4TX

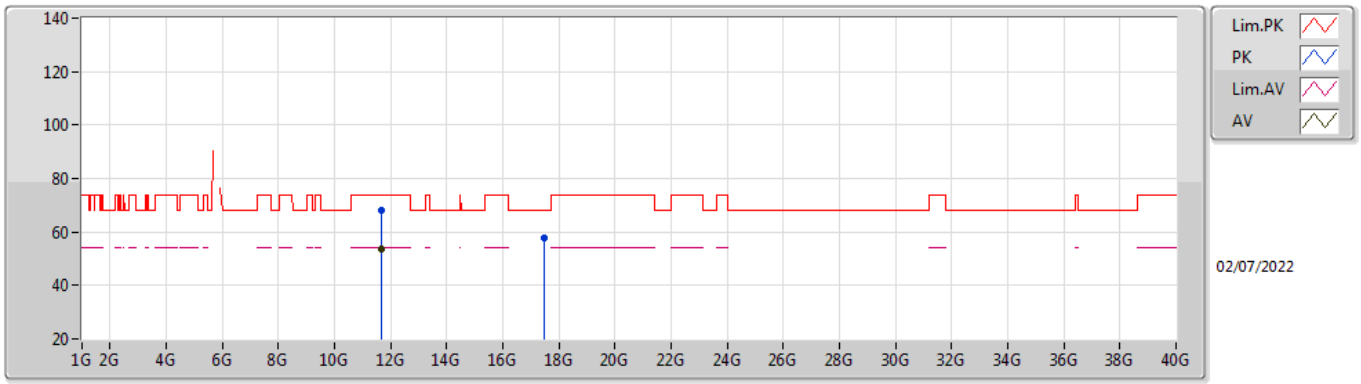
5825MHz_TX



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	5.8178G	113.86	Inf	-Inf	6.46	3	Horizontal	275	1.62	-	107.40	34.01	6.95	34.50
PK	5.6078G	63.40	68.20	-4.80	5.61	3	Horizontal	275	1.62	-	57.79	33.22	6.86	34.47
PK	5.8178G	122.21	Inf	-Inf	6.46	3	Horizontal	275	1.62	-	115.75	34.01	6.95	34.50
PK	5.9354G	61.79	68.20	-6.41	6.85	3	Horizontal	275	1.62	-	54.94	34.31	7.05	34.51

802.11a_Nss1,(6Mbps)_4TX

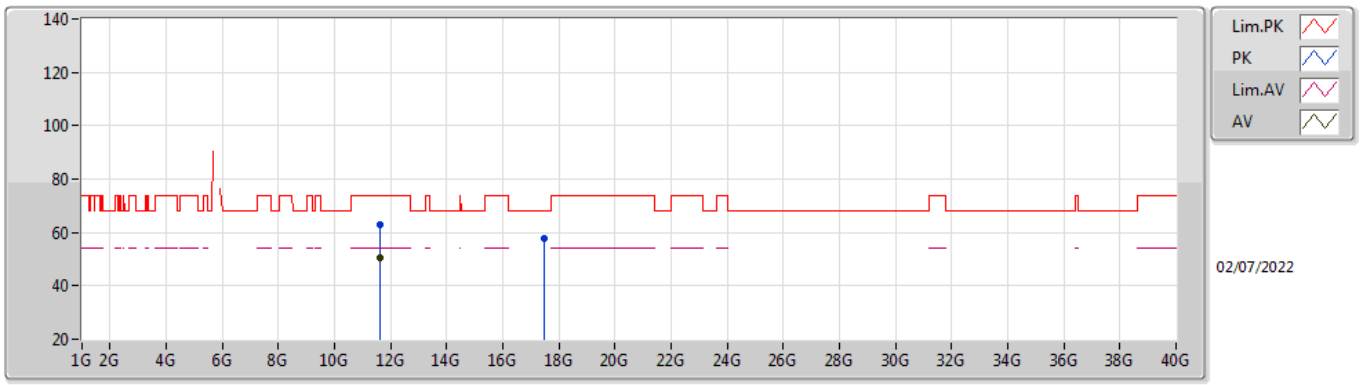
5825MHz_TX



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	11.65522G	53.61	54.00	-0.39	14.76	3	Vertical	228	1.57	-	38.85	38.84	9.97	34.05
PK	11.65534G	67.85	74.00	-6.15	14.76	3	Vertical	228	1.57	-	53.09	38.84	9.97	34.05
PK	17.4804G	57.52	68.20	-10.68	17.08	3	Vertical	114	1.50	-	40.44	38.88	12.43	34.23

802.11a_Nss1,(6Mbps)_4TX

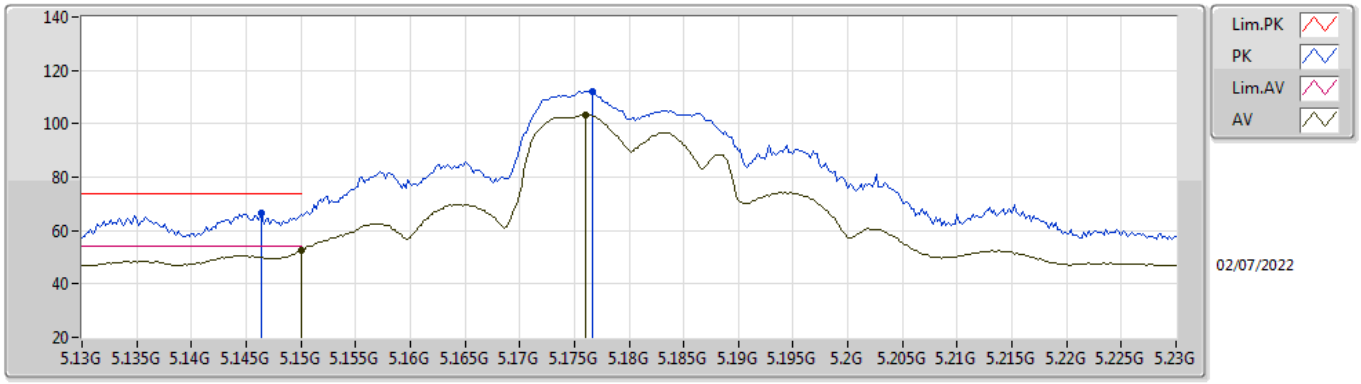
5825MHz_TX



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	11.64544G	50.69	54.00	-3.31	14.77	3	Horizontal	293	1.59	-	35.92	38.85	9.96	34.04
PK	11.64532G	63.13	74.00	-10.87	14.77	3	Horizontal	293	1.59	-	48.36	38.85	9.96	34.04
PK	17.48658G	57.57	68.20	-10.63	17.08	3	Horizontal	109	2.71	-	40.49	38.89	12.43	34.24

802.11ac VHT20_Nss1,(MCS0)_4TX

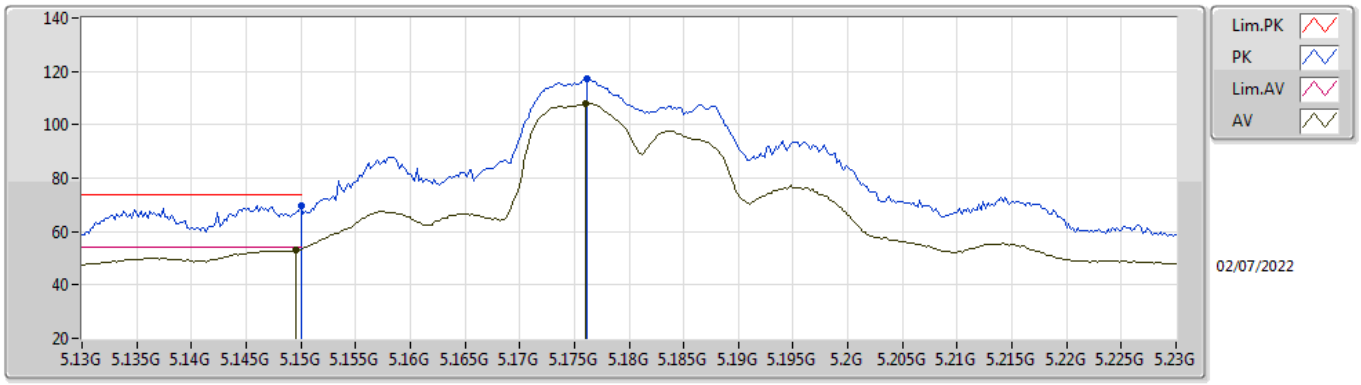
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	52.58	54.00	-1.42	5.15	3	Vertical	110	1.62	-	47.43	33.10	6.49	34.44
AV	5.176G	103.33	Inf	-Inf	5.12	3	Vertical	110	1.62	-	98.21	33.05	6.51	34.44
PK	5.1464G	66.38	74.00	-7.62	5.16	3	Vertical	110	1.62	-	61.22	33.11	6.49	34.44
PK	5.1766G	112.07	Inf	-Inf	5.12	3	Vertical	110	1.62	-	106.95	33.05	6.51	34.44

802.11ac VHT20_Nss1,(MCS0)_4TX

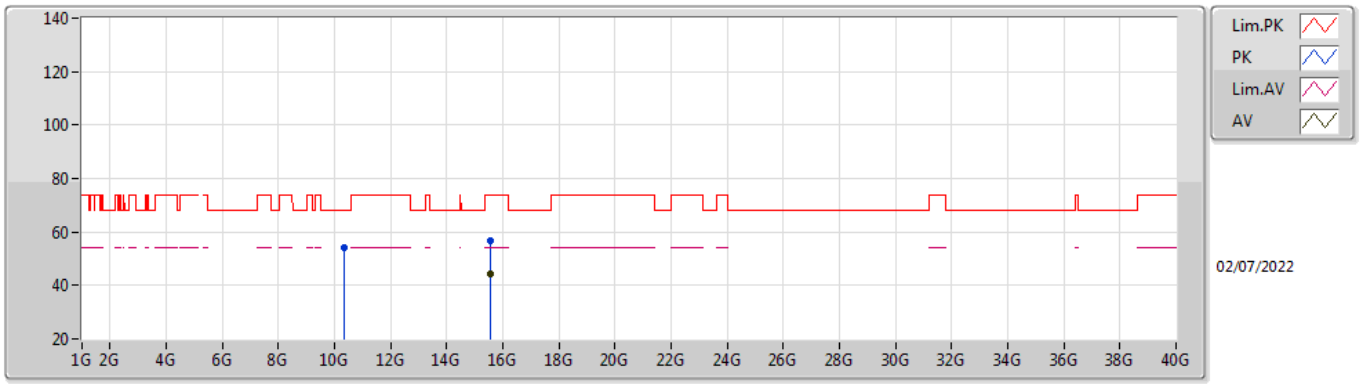
5180MHz_TX



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	5.1496G	53.34	54.00	-0.66	5.15	3	Horizontal	290	1.60	-	48.19	33.10	6.49	34.44
AV	5.176G	107.96	Inf	-Inf	5.12	3	Horizontal	290	1.60	-	102.84	33.05	6.51	34.44
PK	5.15G	69.75	74.00	-4.25	5.15	3	Horizontal	290	1.60	-	64.60	33.10	6.49	34.44
PK	5.1762G	117.32	Inf	-Inf	5.12	3	Horizontal	290	1.60	-	112.20	33.05	6.51	34.44

802.11ac VHT20_Nss1,(MCS0)_4TX

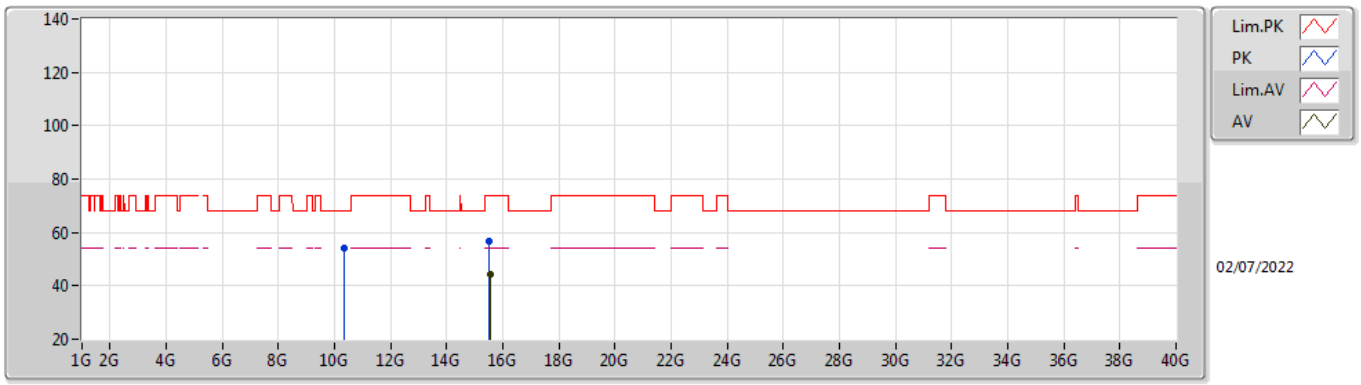
5180MHz_TX



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	15.54204G	44.50	54.00	-9.50	15.88	3	Vertical	160	2.94	-	28.62	38.72	11.64	34.48
PK	10.34572G	54.04	68.20	-14.16	13.43	3	Vertical	310	1.50	-	40.61	38.65	9.50	34.72
PK	15.55368G	56.52	74.00	-17.48	15.85	3	Vertical	160	2.94	-	40.67	38.69	11.64	34.48

802.11ac VHT20_Nss1,(MCS0)_4TX

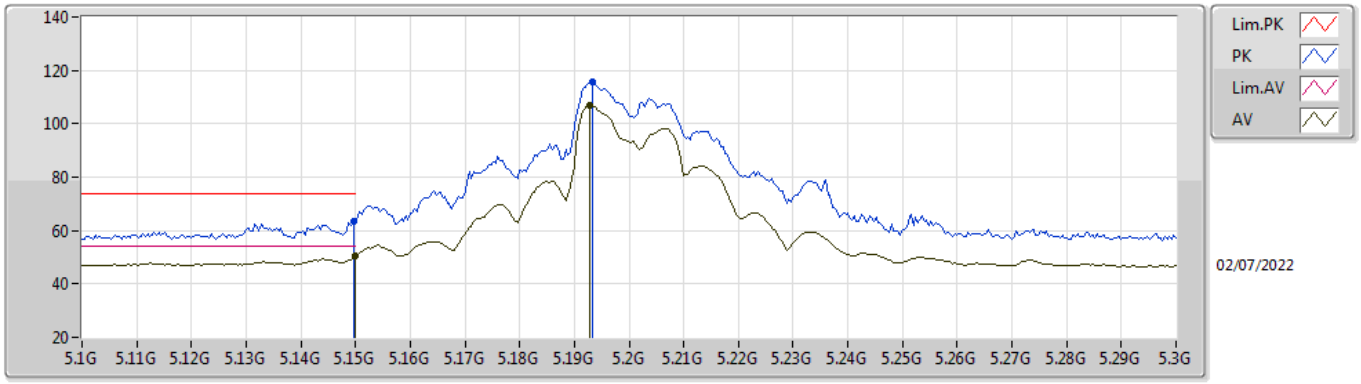
5180MHz_TX



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	15.5439G	44.38	54.00	-9.62	15.87	3	Horizontal	159	2.47	-	28.51	38.71	11.64	34.48
PK	10.36366G	54.12	68.20	-14.08	13.48	3	Horizontal	292	2.13	-	40.64	38.66	9.51	34.69
PK	15.52602G	56.78	74.00	-17.22	15.91	3	Horizontal	159	2.47	-	40.87	38.75	11.63	34.47

802.11ac VHT20_Nss1,(MCS0)_4TX

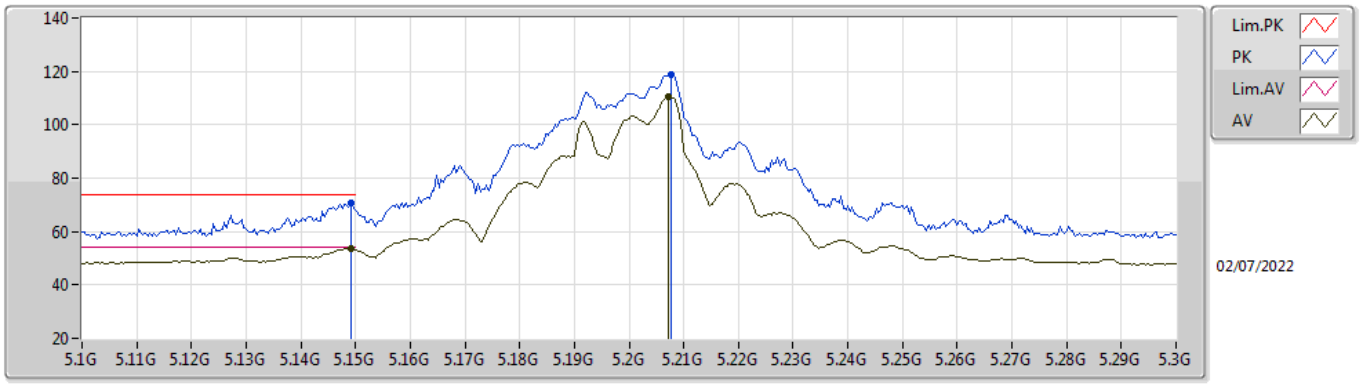
5200MHz_TX



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	50.26	54.00	-3.74	5.15	3	Vertical	112	1.71	-	45.11	33.10	6.49	34.44
AV	5.1928G	107.04	Inf	-Inf	5.09	3	Vertical	112	1.71	-	101.95	33.01	6.52	34.44
PK	5.1496G	63.34	74.00	-10.66	5.15	3	Vertical	112	1.71	-	58.19	33.10	6.49	34.44
PK	5.1932G	115.93	Inf	-Inf	5.09	3	Vertical	112	1.71	-	110.84	33.01	6.52	34.44

802.11ac VHT20_Nss1,(MCS0)_4TX

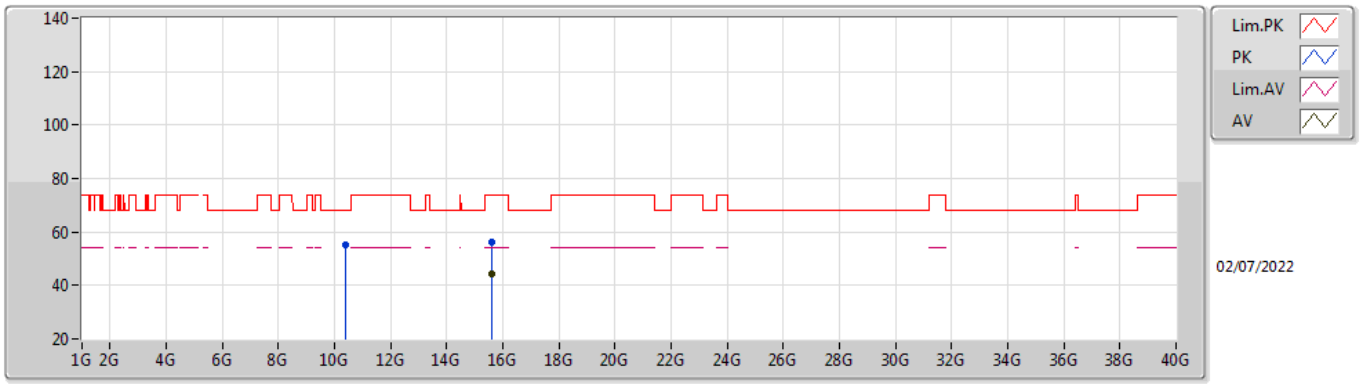
5200MHz_TX



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	5.1492G	53.66	54.00	-0.34	5.15	3	Horizontal	47	2.02	-	48.51	33.10	6.49	34.44
AV	5.2072G	110.39	Inf	-Inf	5.09	3	Horizontal	47	2.02	-	105.30	32.99	6.54	34.44
PK	5.1492G	70.76	74.00	-3.24	5.15	3	Horizontal	47	2.02	-	65.61	33.10	6.49	34.44
PK	5.2076G	118.72	Inf	-Inf	5.08	3	Horizontal	47	2.02	-	113.64	32.98	6.54	34.44

802.11ac VHT20_Nss1,(MCS0)_4TX

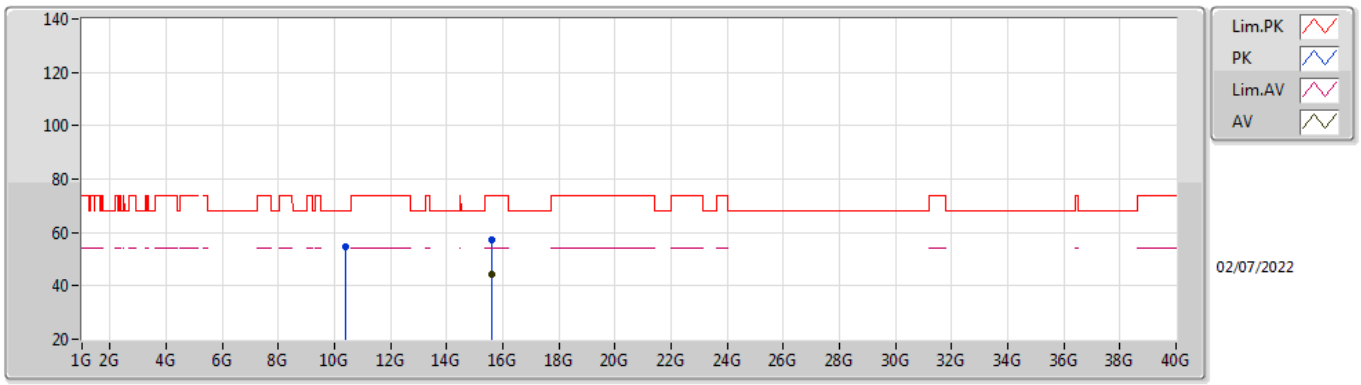
5200MHz_TX



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	15.58608G	44.39	54.00	-9.61	15.77	3	Vertical	95	2.15	-	28.62	38.63	11.65	34.51
PK	10.40528G	55.17	68.20	-13.03	13.58	3	Vertical	307	1.40	-	41.59	38.69	9.52	34.63
PK	15.5895G	56.12	74.00	-17.88	15.77	3	Vertical	95	2.15	-	40.35	38.62	11.66	34.51

802.11ac VHT20_Nss1,(MCS0)_4TX

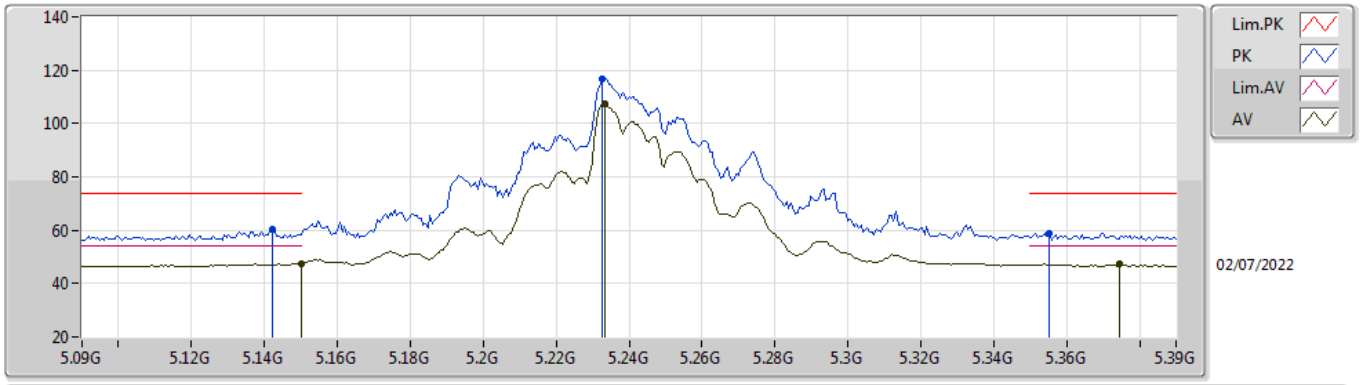
5200MHz_TX



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	15.59982G	44.42	54.00	-9.58	15.75	3	Horizontal	0	2.38	-	28.67	38.60	11.66	34.51
PK	10.41218G	54.50	68.20	-13.70	13.60	3	Horizontal	314	1.50	-	40.90	38.69	9.53	34.62
PK	15.60336G	57.36	74.00	-16.64	15.73	3	Horizontal	0	2.38	-	41.63	38.59	11.66	34.52

802.11ac VHT20_Nss1,(MCS0)_4TX

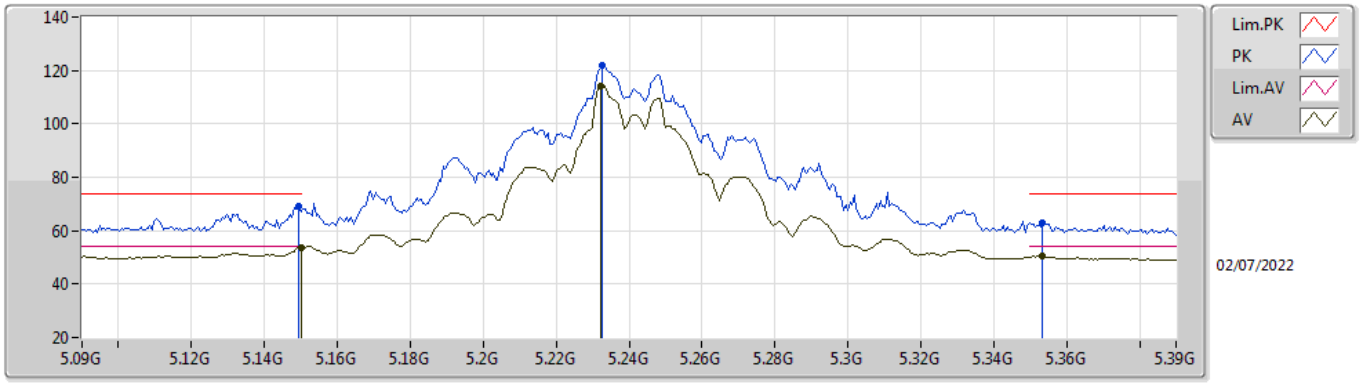
5240MHz_TX



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	5.15G	47.67	54.00	-6.33	5.15	3	Vertical	305	1.44	-	42.52	33.10	6.49	34.44
AV	5.2334G	107.27	Inf	-Inf	5.06	3	Vertical	305	1.44	-	102.21	32.93	6.57	34.44
AV	5.3744G	47.28	54.00	-6.72	5.23	3	Vertical	305	1.44	-	42.05	32.95	6.73	34.45
PK	5.1422G	60.25	74.00	-13.75	5.17	3	Vertical	305	1.44	-	55.08	33.12	6.49	34.44
PK	5.2328G	116.96	Inf	-Inf	5.06	3	Vertical	305	1.44	-	111.90	32.93	6.57	34.44
PK	5.3552G	59.01	74.00	-14.99	5.17	3	Vertical	305	1.44	-	53.84	32.91	6.71	34.45

802.11ac VHT20_Nss1,(MCS0)_4TX

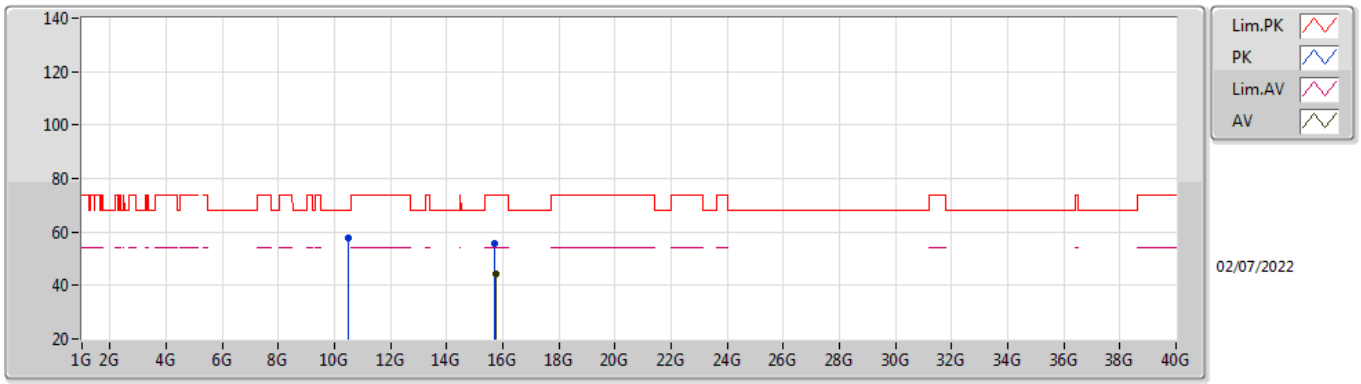
5240MHz_TX



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	5.15G	53.69	54.00	-0.31	5.15	3	Horizontal	253	2.28	-	48.54	33.10	6.49	34.44
AV	5.2322G	114.02	Inf	-Inf	5.07	3	Horizontal	253	2.28	-	108.95	32.94	6.57	34.44
AV	5.3534G	50.35	54.00	-3.65	5.17	3	Horizontal	253	2.28	-	45.18	32.91	6.71	34.45
PK	5.1494G	69.39	74.00	-4.61	5.15	3	Horizontal	253	2.28	-	64.24	33.10	6.49	34.44
PK	5.2328G	121.94	Inf	-Inf	5.06	3	Horizontal	253	2.28	-	116.88	32.93	6.57	34.44
PK	5.3534G	62.83	74.00	-11.17	5.17	3	Horizontal	253	2.28	-	57.66	32.91	6.71	34.45

802.11ac VHT20_Nss1,(MCS0)_4TX

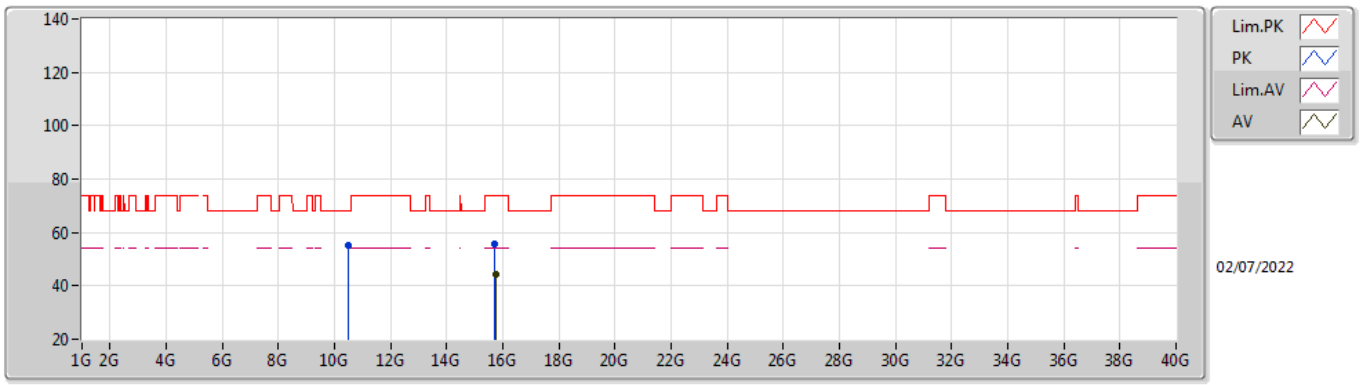
5240MHz_TX



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	15.73374G	44.51	54.00	-9.49	15.55	3	Vertical	70	1.77	-	28.96	38.43	11.72	34.60
PK	10.47904G	57.93	68.20	-10.27	13.66	3	Vertical	310	1.59	-	44.27	38.62	9.55	34.51
PK	15.72054G	55.85	74.00	-18.15	15.54	3	Vertical	70	1.77	-	40.31	38.42	11.71	34.59

802.11ac VHT20_Nss1,(MCS0)_4TX

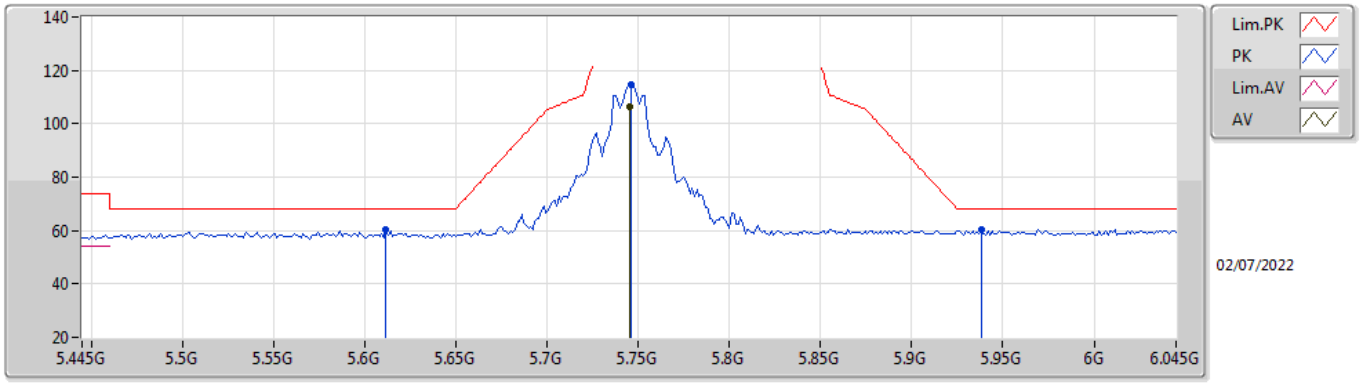
5240MHz_TX



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	15.73182G	44.39	54.00	-9.61	15.55	3	Horizontal	161	1.30	-	28.84	38.43	11.72	34.60
PK	10.48216G	55.09	68.20	-13.11	13.66	3	Horizontal	134	1.50	-	41.43	38.62	9.55	34.51
PK	15.72372G	55.61	74.00	-18.39	15.54	3	Horizontal	161	1.30	-	40.07	38.42	11.71	34.59

802.11ac VHT20_Nss1,(MCS0)_4TX

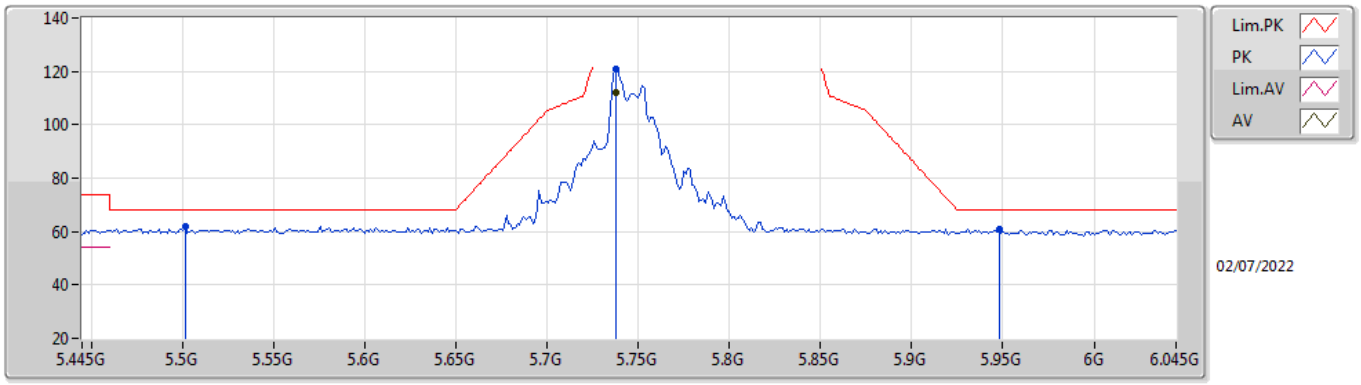
5745MHz_TX



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	5.745G	106.24	Inf	-Inf	6.18	3	Vertical	229	1.48	-	100.06	33.76	6.91	34.49
PK	5.6118G	60.24	68.20	-7.96	5.61	3	Vertical	229	1.48	-	54.63	33.22	6.86	34.47
PK	5.7462G	114.54	Inf	-Inf	6.19	3	Vertical	229	1.48	-	108.35	33.77	6.91	34.49
PK	5.9382G	60.46	68.20	-7.74	6.87	3	Vertical	229	1.48	-	53.59	34.33	7.05	34.51

802.11ac VHT20_Nss1,(MCS0)_4TX

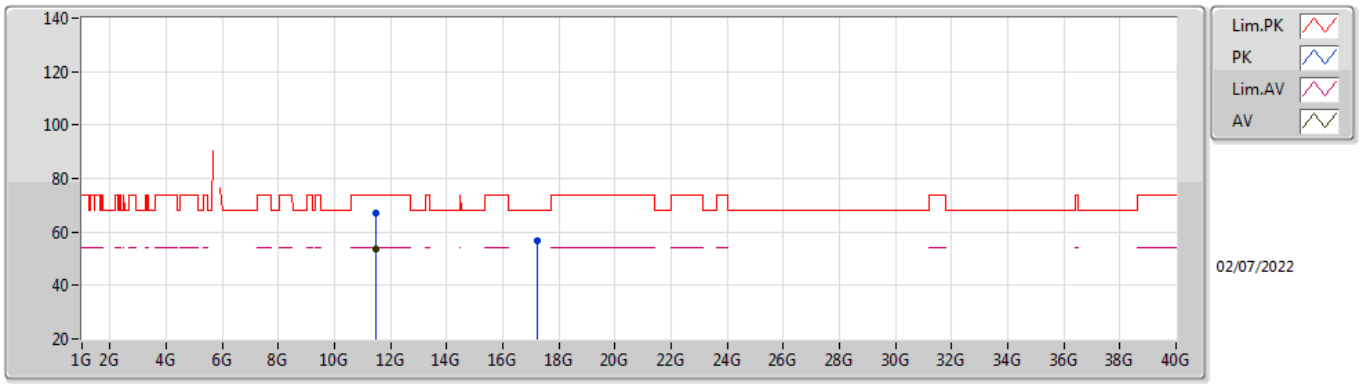
5745MHz_TX



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	5.7378G	112.30	Inf	-Inf	6.12	3	Horizontal	295	2.11	-	106.18	33.70	6.91	34.49
PK	5.5014G	61.71	68.20	-6.49	5.54	3	Horizontal	295	2.11	-	56.17	33.19	6.81	34.46
PK	5.7378G	120.63	Inf	-Inf	6.12	3	Horizontal	295	2.11	-	114.51	33.70	6.91	34.49
PK	5.9478G	60.73	68.20	-7.47	6.94	3	Horizontal	295	2.11	-	53.79	34.39	7.06	34.51

802.11ac VHT20_Nss1,(MCS0)_4TX

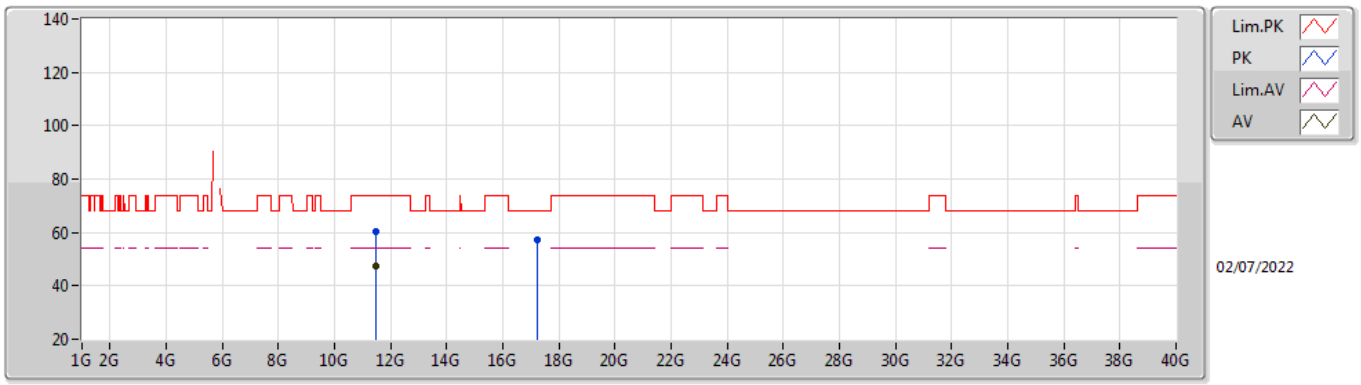
5745MHz_TX



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	11.4828G	53.43	54.00	-0.57	14.95	3	Vertical	225	1.49	-	38.48	39.00	9.91	33.96
PK	11.48216G	66.97	74.00	-7.03	14.95	3	Vertical	225	1.49	-	52.02	39.00	9.91	33.96
PK	17.24564G	56.80	68.20	-11.40	16.73	3	Vertical	66	1.07	-	40.07	38.45	12.33	34.05

802.11ac VHT20_Nss1,(MCS0)_4TX

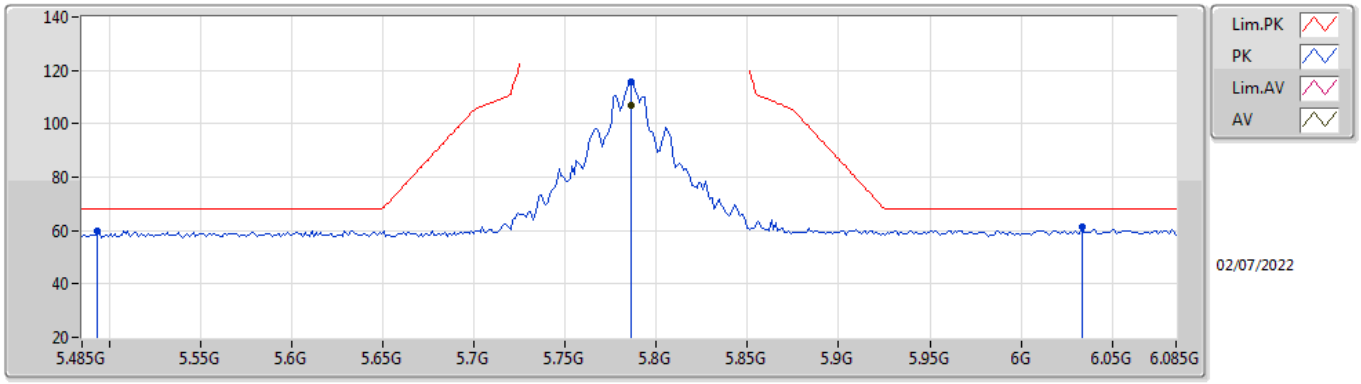
5745MHz_TX



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	11.48416G	47.18	54.00	-6.82	14.95	3	Horizontal	289	1.49	-	32.23	39.00	9.91	33.96
PK	11.4824G	60.27	74.00	-13.73	14.95	3	Horizontal	289	1.49	-	45.32	39.00	9.91	33.96
PK	17.23316G	57.38	68.20	-10.82	16.72	3	Horizontal	87	2.98	-	40.66	38.43	12.33	34.04

802.11ac VHT20_Nss1,(MCS0)_4TX

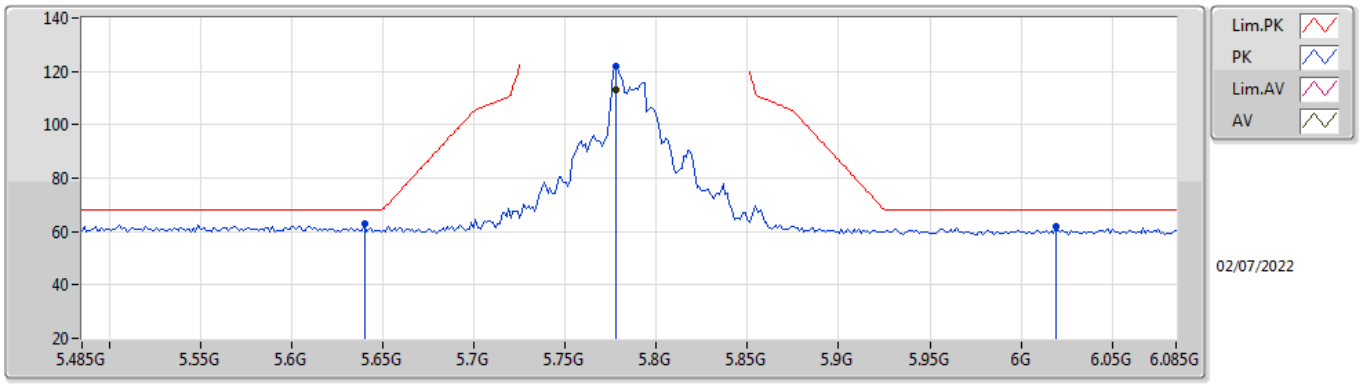
5785MHz_TX



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	106.69	Inf	-Inf	6.31	3	Vertical	228	1.41	-	100.38	33.87	6.93	34.49
PK	5.4934G	60.04	68.20	-8.16	5.54	3	Vertical	228	1.41	-	54.50	33.19	6.81	34.46
PK	5.7862G	115.47	Inf	-Inf	6.31	3	Vertical	228	1.41	-	109.16	33.87	6.93	34.49
PK	6.0334G	61.32	68.20	-6.88	6.92	3	Vertical	228	1.41	-	54.40	34.33	7.12	34.53

802.11ac VHT20_Nss1,(MCS0)_4TX

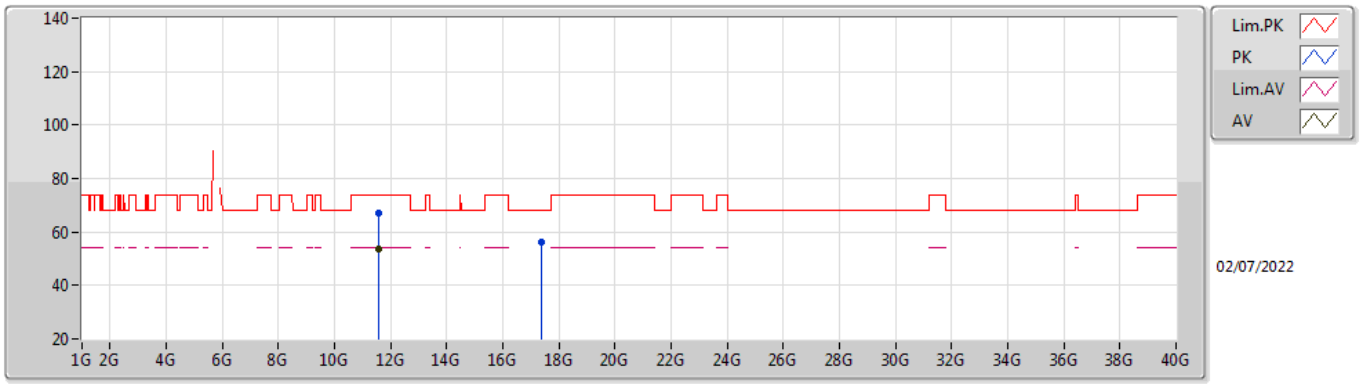
5785MHz_TX



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	5.7778G	113.15	Inf	-Inf	6.29	3	Horizontal	293	2.07	-	106.86	33.86	6.92	34.49
PK	5.6398G	62.74	68.20	-5.46	5.67	3	Horizontal	293	2.07	-	57.07	33.28	6.87	34.48
PK	5.7778G	121.93	Inf	-Inf	6.29	3	Horizontal	293	2.07	-	115.64	33.86	6.92	34.49
PK	6.019G	61.98	68.20	-6.22	6.88	3	Horizontal	293	2.07	-	55.10	34.28	7.12	34.52

802.11ac VHT20_Nss1,(MCS0)_4TX

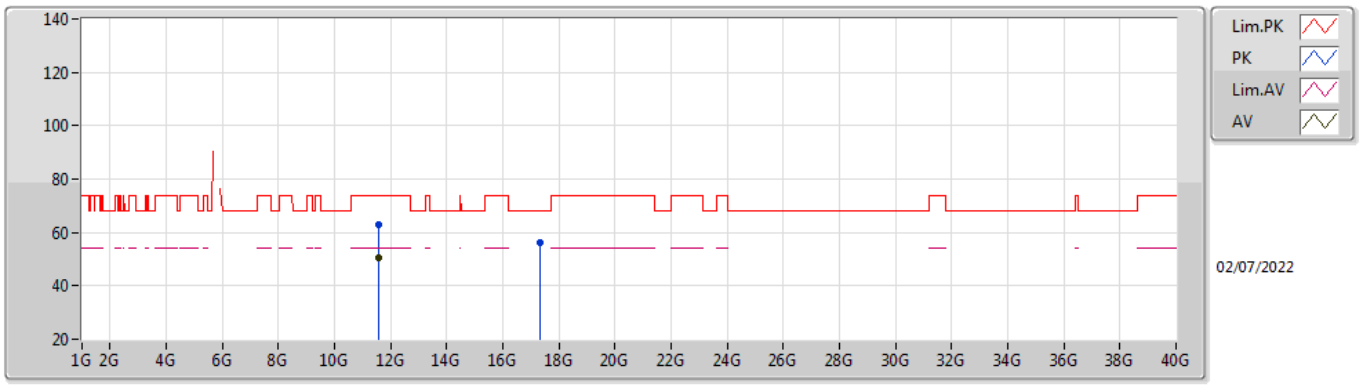
5785MHz_TX



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	11.57608G	53.73	54.00	-0.27	14.86	3	Vertical	225	2.33	-	38.87	38.92	9.94	34.00
PK	11.57504G	67.16	74.00	-6.84	14.86	3	Vertical	225	2.33	-	52.30	38.92	9.94	34.00
PK	17.37252G	56.38	68.20	-11.82	16.96	3	Vertical	251	1.71	-	39.42	38.72	12.39	34.15

802.11ac VHT20_Nss1,(MCS0)_4TX

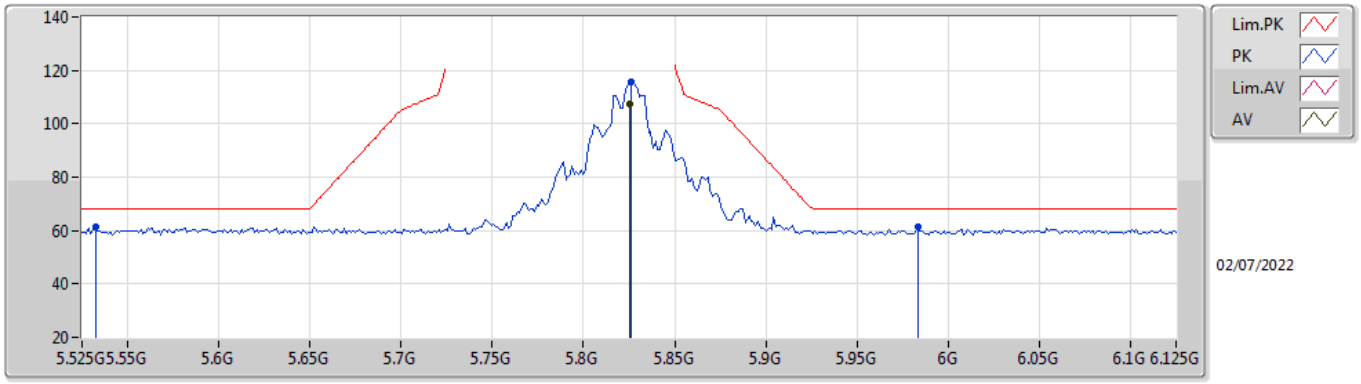
5785MHz_TX



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	11.57584G	50.59	54.00	-3.41	14.86	3	Horizontal	290	1.38	-	35.73	38.92	9.94	34.00
PK	11.57704G	62.90	74.00	-11.10	14.86	3	Horizontal	290	1.38	-	48.04	38.92	9.94	34.00
PK	17.33924G	56.28	68.20	-11.92	16.87	3	Horizontal	236	2.59	-	39.41	38.62	12.37	34.12

802.11ac VHT20_Nss1,(MCS0)_4TX

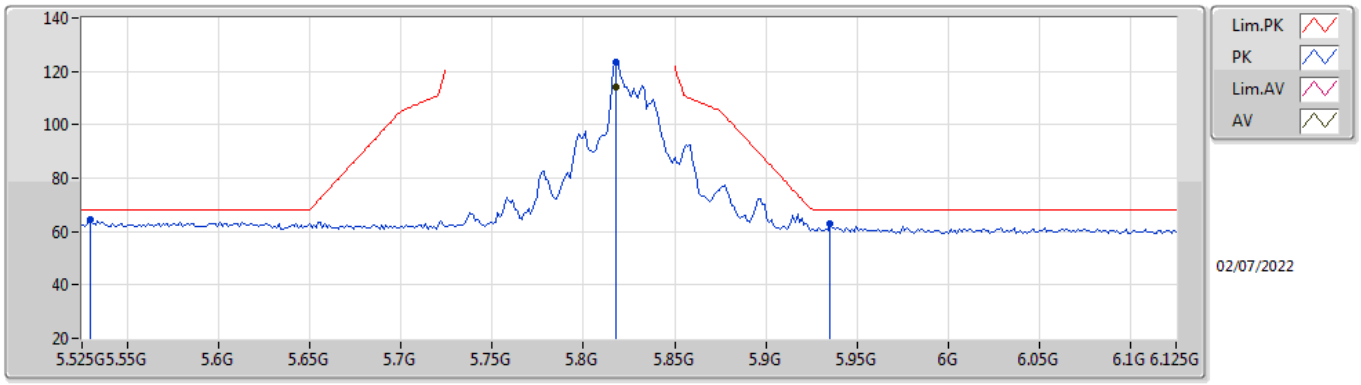
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.825G	107.17	Inf	-Inf	6.50	3	Vertical	229	1.47	-	100.67	34.05	6.95	34.50
PK	5.5322G	61.38	68.20	-6.82	5.44	3	Vertical	229	1.47	-	55.94	33.07	6.83	34.46
PK	5.8262G	115.94	Inf	-Inf	6.51	3	Vertical	229	1.47	-	109.43	34.06	6.95	34.50
PK	5.9834G	61.37	68.20	-6.83	6.85	3	Vertical	229	1.47	-	54.52	34.27	7.10	34.52

802.11ac VHT20_Nss1,(MCS0)_4TX

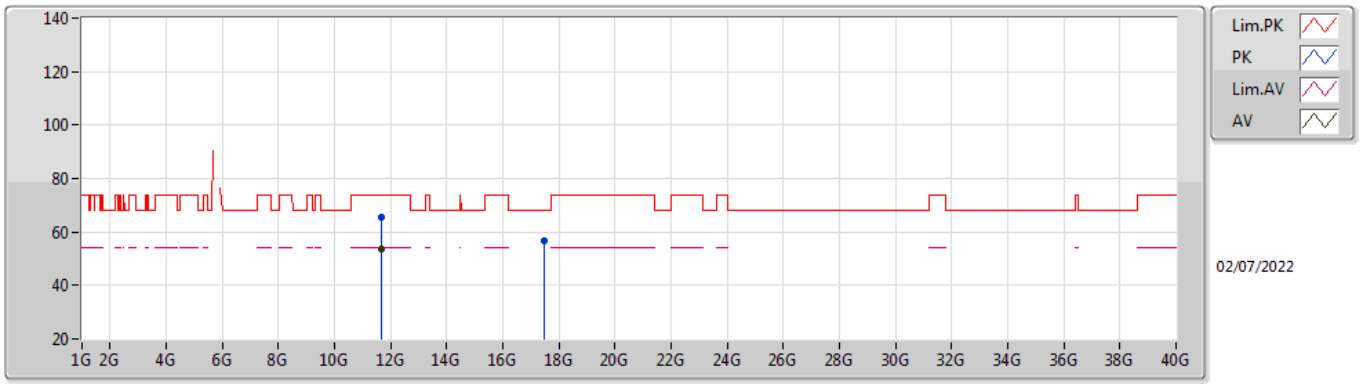
5825MHz_TX



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	5.8178G	114.10	Inf	-Inf	6.46	3	Horizontal	295	2.00	-	107.64	34.01	6.95	34.50
PK	5.5298G	64.44	68.20	-3.76	5.44	3	Horizontal	295	2.00	-	59.00	33.08	6.82	34.46
PK	5.8178G	123.46	Inf	-Inf	6.46	3	Horizontal	295	2.00	-	117.00	34.01	6.95	34.50
PK	5.9354G	63.00	68.20	-5.20	6.85	3	Horizontal	295	2.00	-	56.15	34.31	7.05	34.51

802.11ac VHT20_Nss1,(MCS0)_4TX

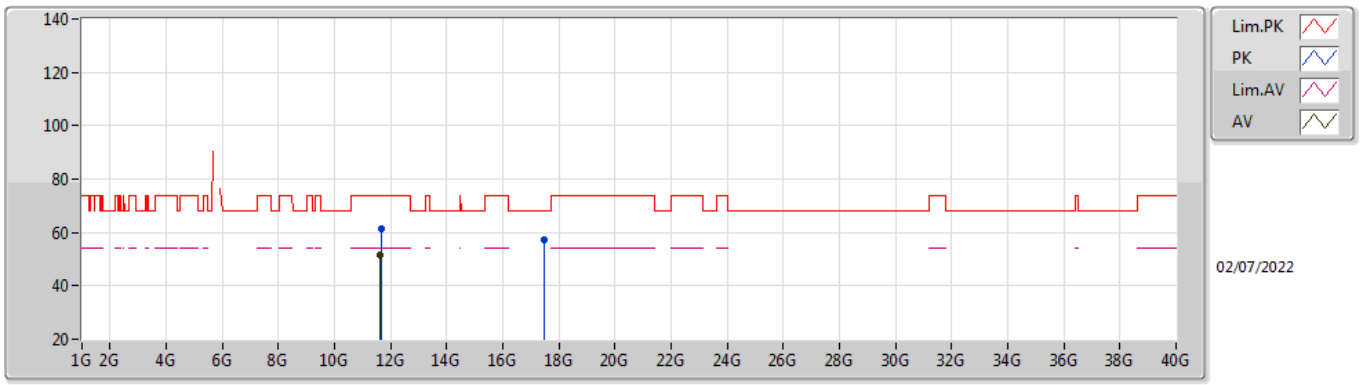
5825MHz_TX



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	11.65456G	53.58	54.00	-0.42	14.77	3	Vertical	220	1.49	-	38.81	38.85	9.97	34.05
PK	11.65456G	65.72	74.00	-8.28	14.77	3	Vertical	220	1.49	-	50.95	38.85	9.97	34.05
PK	17.47932G	56.76	68.20	-11.44	17.08	3	Vertical	337	1.78	-	39.68	38.88	12.43	34.23

802.11ac VHT20_Nss1,(MCS0)_4TX

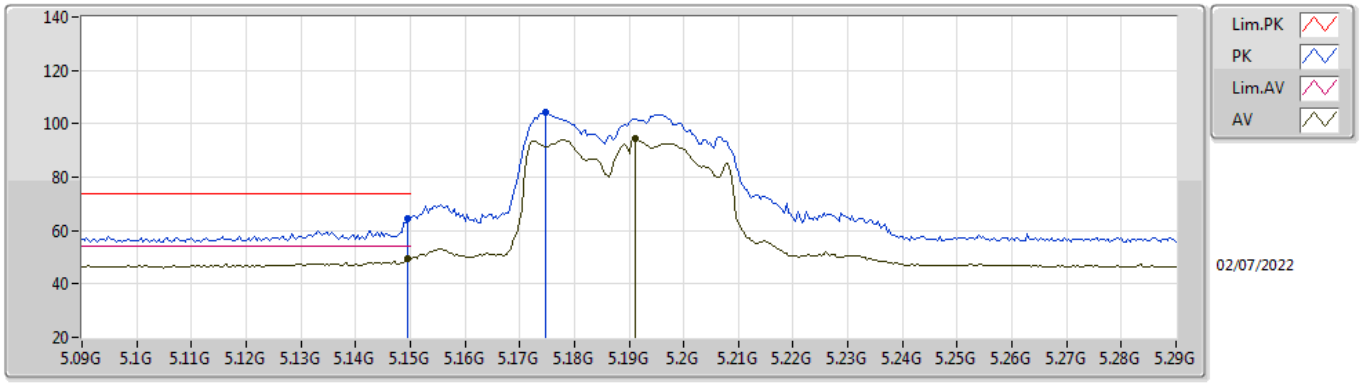
5825MHz_TX



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	11.64513G	51.68	54.00	-2.32	14.77	3	Horizontal	290	1.50	-	36.91	38.85	9.96	34.04
PK	11.65495G	61.55	74.00	-12.45	14.77	3	Horizontal	290	1.50	-	46.78	38.85	9.97	34.05
PK	17.48836G	56.99	68.20	-11.21	17.08	3	Horizontal	55	1.33	-	39.91	38.89	12.43	34.24

802.11ac VHT40_Nss1,(MCS0)_4TX

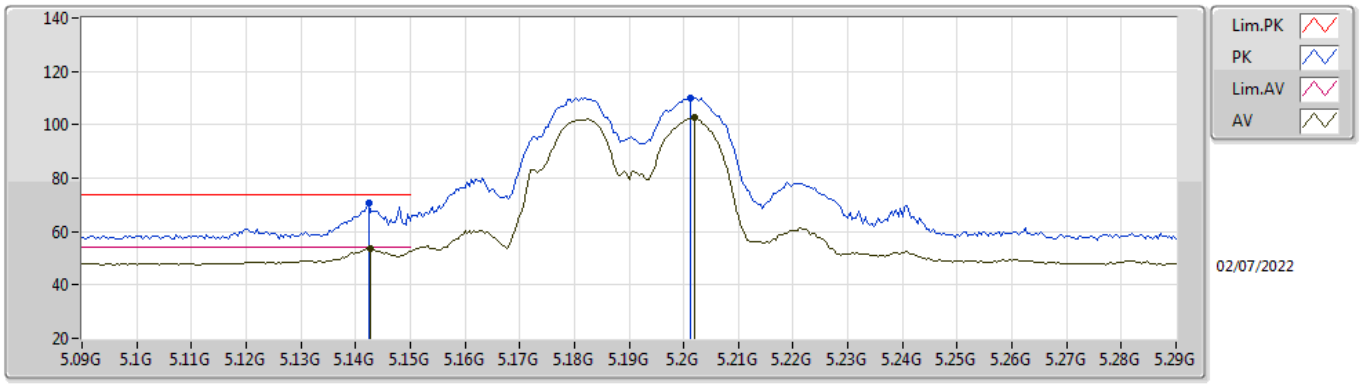
5190MHz_TX



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	5.1496G	49.32	54.00	-4.68	5.15	3	Vertical	288	1.56	-	44.17	33.10	6.49	34.44
AV	5.1912G	94.28	Inf	-Inf	5.10	3	Vertical	288	1.56	-	89.18	33.02	6.52	34.44
PK	5.1496G	64.55	74.00	-9.45	5.15	3	Vertical	288	1.56	-	59.40	33.10	6.49	34.44
PK	5.1748G	104.35	Inf	-Inf	5.12	3	Vertical	288	1.56	-	99.23	33.05	6.51	34.44

802.11ac VHT40_Nss1,(MCS0)_4TX

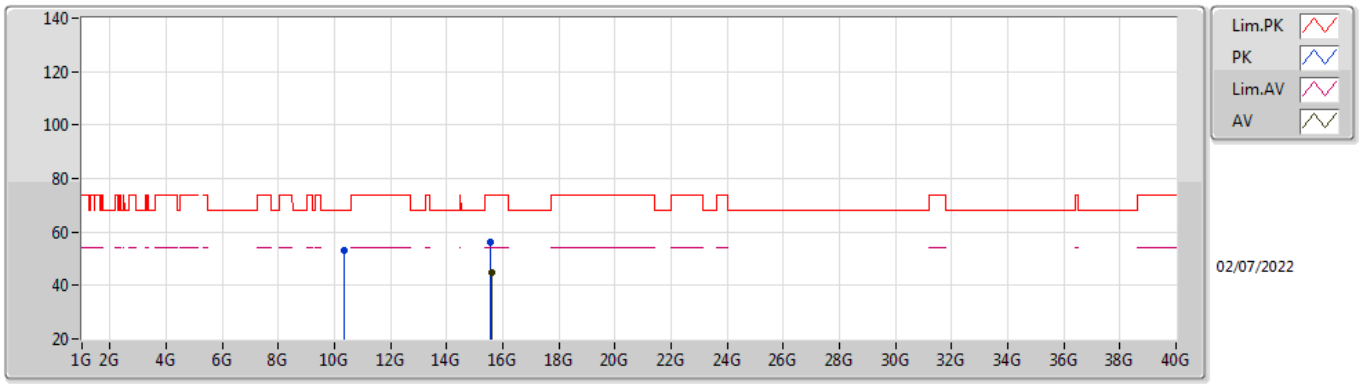
5190MHz_TX



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	5.1428G	53.48	54.00	-0.52	5.16	3	Horizontal	253	2.21	-	48.32	33.11	6.49	34.44
AV	5.202G	102.56	Inf	-Inf	5.09	3	Horizontal	253	2.21	-	97.47	33.00	6.53	34.44
PK	5.1424G	70.52	74.00	-3.48	5.17	3	Horizontal	253	2.21	-	65.35	33.12	6.49	34.44
PK	5.2012G	110.25	Inf	-Inf	5.09	3	Horizontal	253	2.21	-	105.16	33.00	6.53	34.44

802.11ac VHT40_Nss1,(MCS0)_4TX

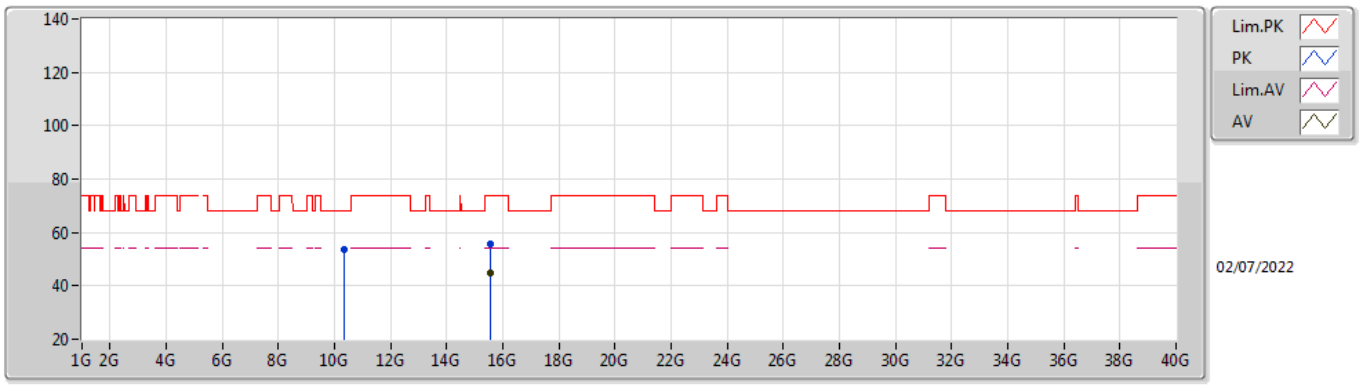
5190MHz_TX



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	15.58456G	44.74	54.00	-9.26	15.78	3	Vertical	68	2.17	-	28.96	38.63	11.65	34.50
PK	10.3616G	53.01	68.20	-15.19	13.48	3	Vertical	111	2.04	-	39.53	38.66	9.51	34.69
PK	15.5652G	56.16	74.00	-17.84	15.83	3	Vertical	68	2.17	-	40.33	38.67	11.65	34.49

802.11ac VHT40_Nss1,(MCS0)_4TX

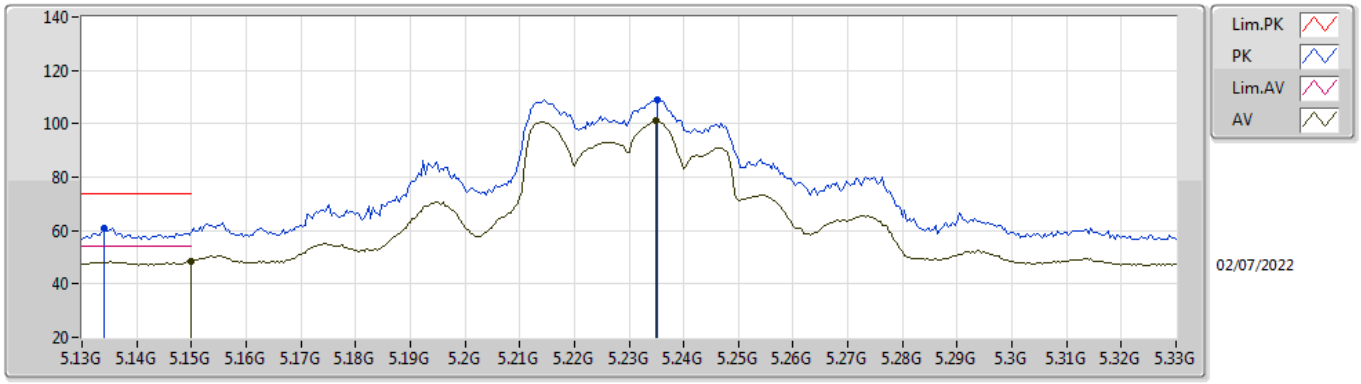
5190MHz_TX



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	15.554G	44.72	54.00	-9.28	15.85	3	Horizontal	279	2.54	-	28.87	38.69	11.64	34.48
PK	10.3604G	53.53	68.20	-14.67	13.48	3	Horizontal	207	1.56	-	40.05	38.66	9.51	34.69
PK	15.5644G	55.72	74.00	-18.28	15.82	3	Horizontal	279	2.54	-	39.90	38.67	11.64	34.49

802.11ac VHT40_Nss1,(MCS0)_4TX

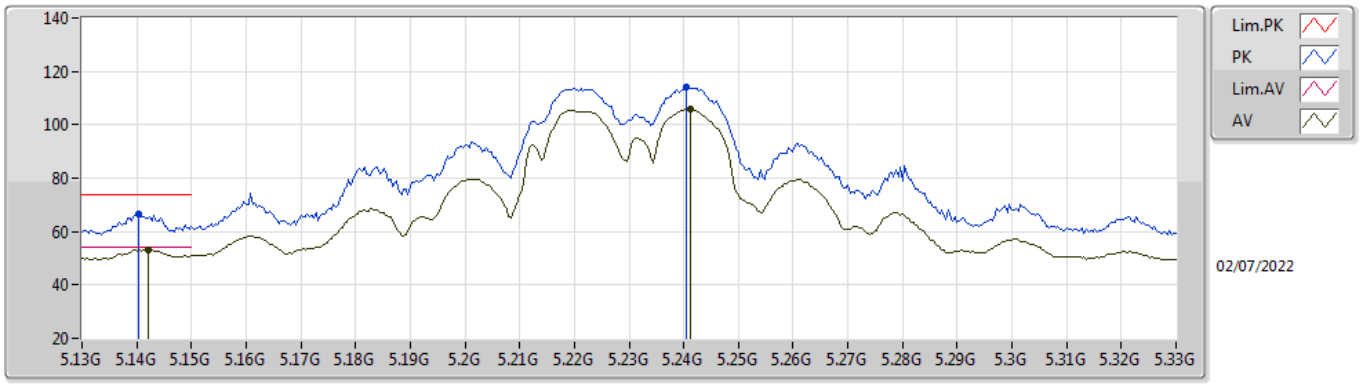
5230MHz_TX



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	48.54	54.00	-5.46	5.15	3	Vertical	285	1.49	-	43.39	33.10	6.49	34.44
AV	5.2348G	101.02	Inf	-Inf	5.06	3	Vertical	285	1.49	-	95.96	32.93	6.57	34.44
PK	5.134G	61.08	74.00	-12.92	5.17	3	Vertical	285	1.49	-	55.91	33.13	6.48	34.44
PK	5.2352G	109.09	Inf	-Inf	5.06	3	Vertical	285	1.49	-	104.03	32.93	6.57	34.44

802.11ac VHT40_Nss1,(MCS0)_4TX

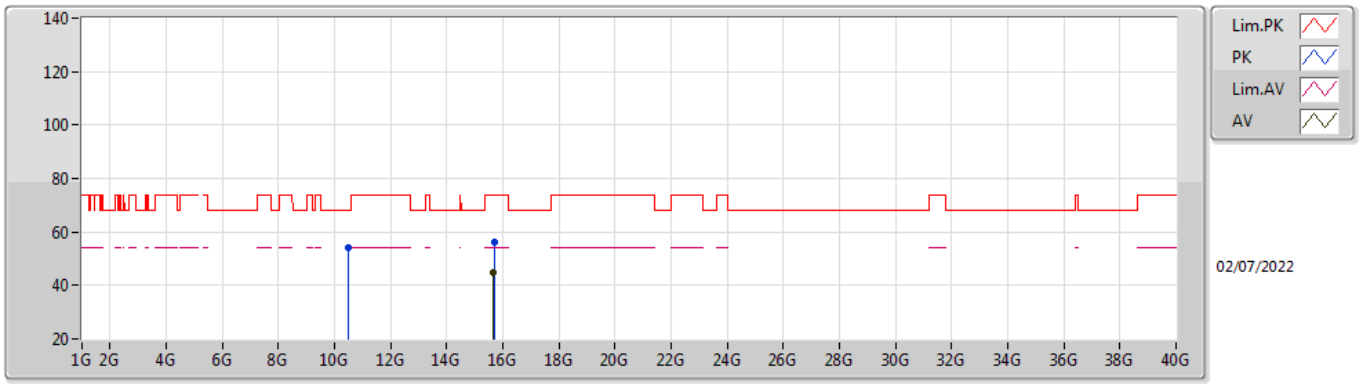
5230MHz_TX



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	5.142G	53.17	54.00	-0.83	5.17	3	Horizontal	253	2.80	-	48.00	33.12	6.49	34.44
AV	5.2412G	105.85	Inf	-Inf	5.06	3	Horizontal	253	2.80	-	100.79	32.92	6.58	34.44
PK	5.1404G	66.53	74.00	-7.47	5.17	3	Horizontal	253	2.80	-	61.36	33.12	6.49	34.44
PK	5.2404G	113.96	Inf	-Inf	5.06	3	Horizontal	253	2.80	-	108.90	32.92	6.58	34.44

802.11ac VHT40_Nss1,(MCS0)_4TX

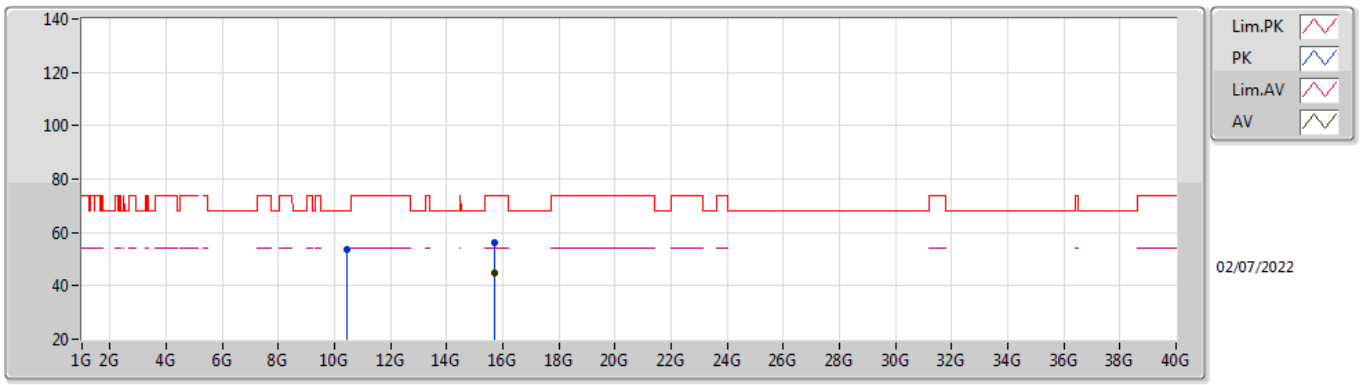
5230MHz_TX



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	15.67872G	45.02	54.00	-8.98	15.57	3	Vertical	72	1.50	-	29.45	38.44	11.69	34.56
PK	10.47216G	54.28	68.20	-13.92	13.66	3	Vertical	304	1.50	-	40.62	38.63	9.55	34.52
PK	15.70976G	56.38	74.00	-17.62	15.54	3	Vertical	72	1.50	-	40.84	38.41	11.71	34.58

802.11ac VHT40_Nss1,(MCS0)_4TX

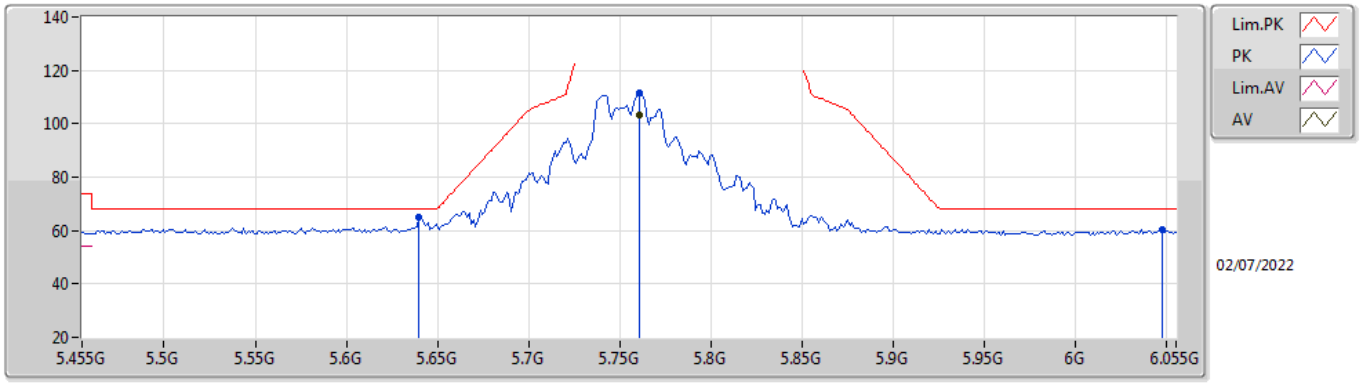
5230MHz_TX



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	15.68816G	45.00	54.00	-9.00	15.55	3	Horizontal	220	2.02	-	29.45	38.42	11.70	34.57
PK	10.4664G	53.65	68.20	-14.55	13.65	3	Horizontal	318	1.50	-	40.00	38.63	9.55	34.53
PK	15.69424G	56.05	74.00	-17.95	15.54	3	Horizontal	220	2.02	-	40.51	38.41	11.70	34.57

802.11ac VHT40_Nss1,(MCS0)_4TX

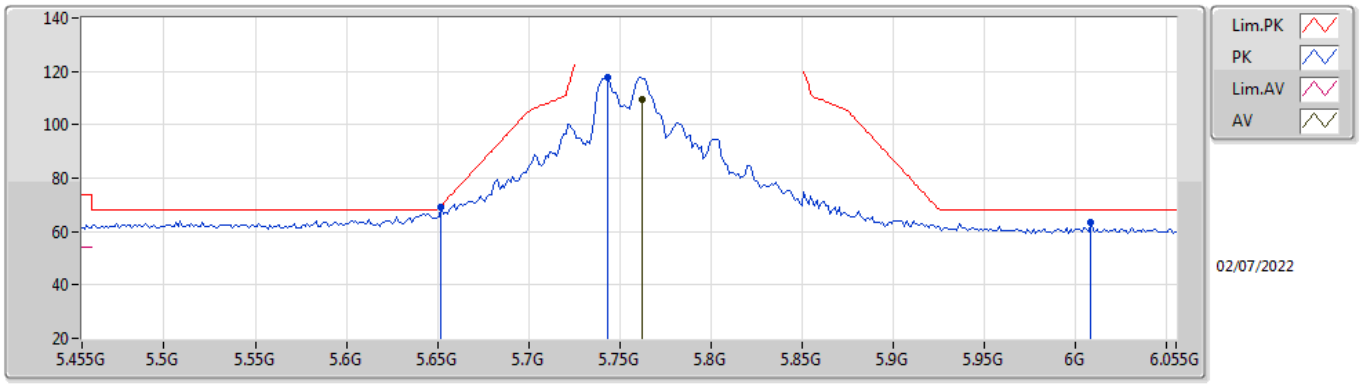
5755MHz_TX



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	5.761G	103.39	Inf	-Inf	6.25	3	Vertical	315	2.33	-	97.14	33.82	6.92	34.49
PK	5.6398G	65.18	68.20	-3.02	5.67	3	Vertical	315	2.33	-	59.51	33.28	6.87	34.48
PK	5.761G	111.51	Inf	-Inf	6.25	3	Vertical	315	2.33	-	105.26	33.82	6.92	34.49
PK	6.0478G	60.48	68.20	-7.72	6.99	3	Vertical	315	2.33	-	53.49	34.39	7.13	34.53

802.11ac VHT40_Nss1,(MCS0)_4TX

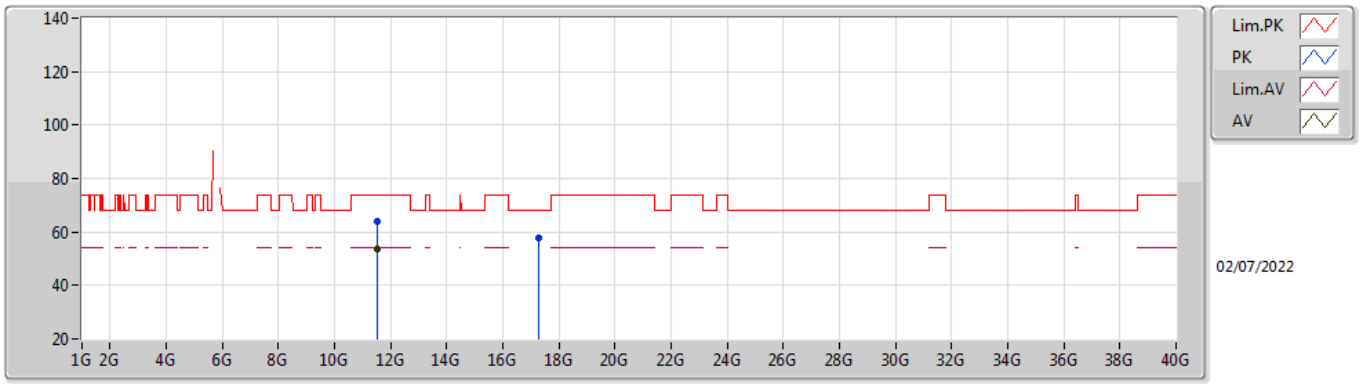
5755MHz_TX



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	5.7622G	109.53	Inf	-Inf	6.25	3	Horizontal	265	1.49	-	103.28	33.82	6.92	34.49
PK	5.6518G	69.28	69.53	-0.25	5.70	3	Horizontal	265	1.49	-	63.58	33.30	6.88	34.48
PK	5.743G	117.99	Inf	-Inf	6.16	3	Horizontal	265	1.49	-	111.83	33.74	6.91	34.49
PK	6.0082G	63.40	68.20	-4.80	6.82	3	Horizontal	265	1.49	-	56.58	34.23	7.11	34.52

802.11ac VHT40_Nss1,(MCS0)_4TX

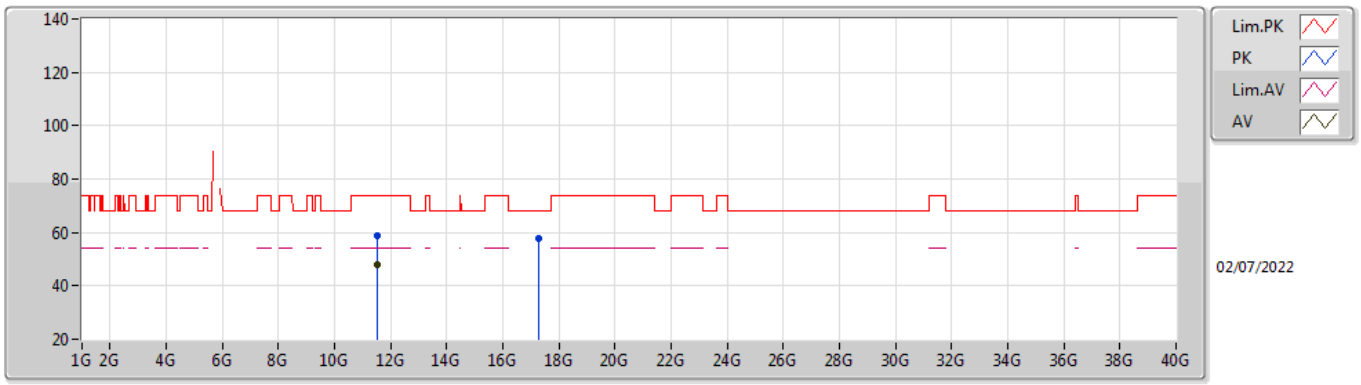
5755MHz_TX



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	11.50256G	53.37	54.00	-0.63	14.96	3	Vertical	225	1.41	-	38.41	39.00	9.91	33.95
PK	11.5024G	64.03	74.00	-9.97	14.96	3	Vertical	225	1.41	-	49.07	39.00	9.91	33.95
PK	17.2607G	57.51	68.20	-10.69	16.74	3	Vertical	116	1.81	-	40.77	38.46	12.34	34.06

802.11ac VHT40_Nss1,(MCS0)_4TX

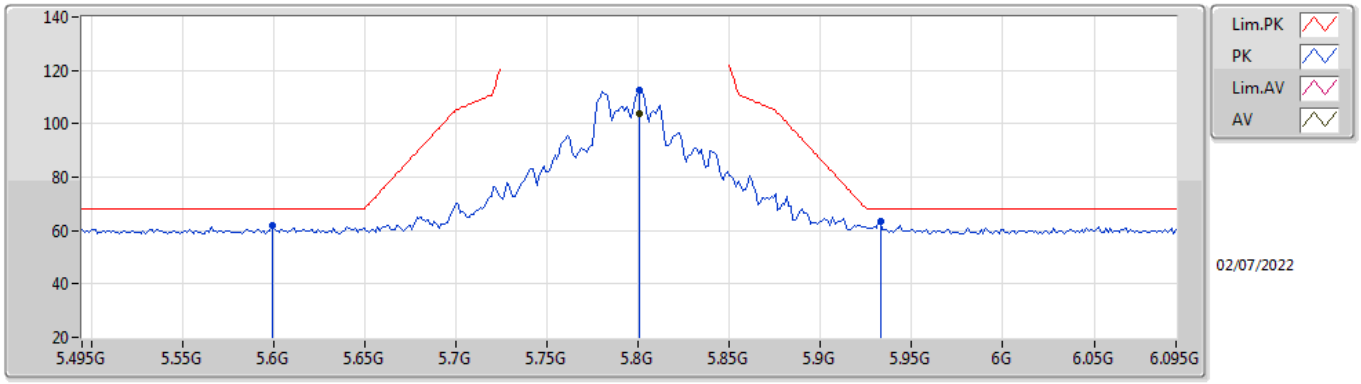
5755MHz_TX



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	11.50248G	48.10	54.00	-5.90	14.96	3	Horizontal	289	1.49	-	33.14	39.00	9.91	33.95
PK	11.50304G	58.84	74.00	-15.16	14.96	3	Horizontal	289	1.49	-	43.88	39.00	9.91	33.95
PK	17.2606G	57.73	68.20	-10.47	16.74	3	Horizontal	97	1.50	-	40.99	38.46	12.34	34.06

802.11ac VHT40_Nss1,(MCS0)_4TX

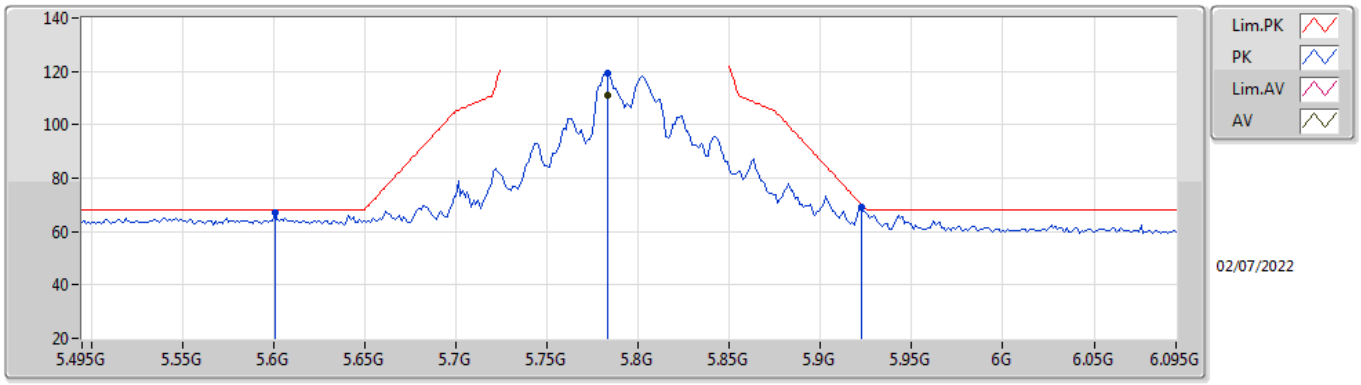
5795MHz_TX



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	5.801G	103.91	Inf	-Inf	6.34	3	Vertical	312	2.27	-	97.57	33.91	6.93	34.50
PK	5.5994G	61.64	68.20	-6.56	5.59	3	Vertical	312	2.27	-	56.05	33.20	6.86	34.47
PK	5.801G	112.59	Inf	-Inf	6.34	3	Vertical	312	2.27	-	106.25	33.91	6.93	34.50
PK	5.933G	63.42	68.20	-4.78	6.84	3	Vertical	312	2.27	-	56.58	34.30	7.05	34.51

802.11ac VHT40_Nss1,(MCS0)_4TX

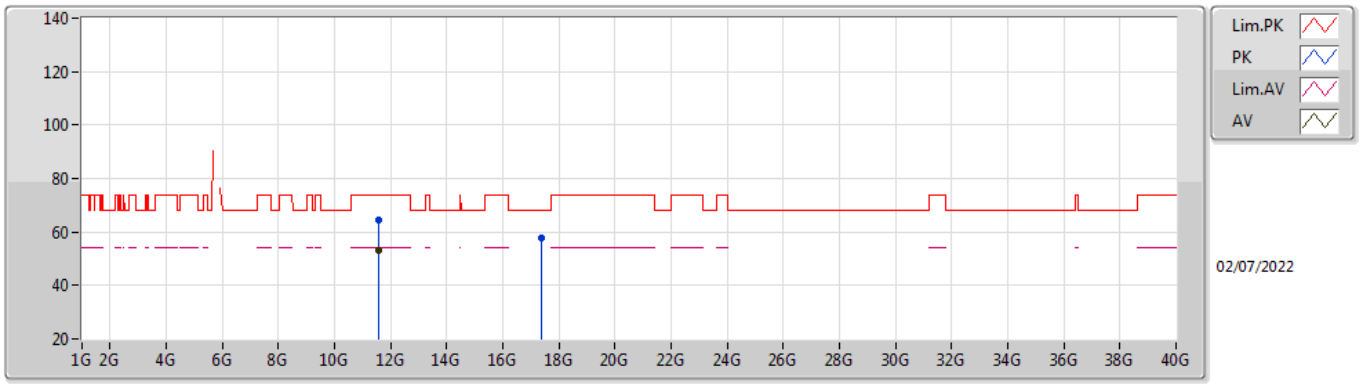
5795MHz_TX



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	5.783G	110.79	Inf	-Inf	6.30	3	Horizontal	267	2.07	-	104.49	33.87	6.92	34.49
PK	5.6006G	67.27	68.20	-0.93	5.59	3	Horizontal	267	2.07	-	61.68	33.20	6.86	34.47
PK	5.783G	119.31	Inf	-Inf	6.30	3	Horizontal	267	2.07	-	113.01	33.87	6.92	34.49
PK	5.9222G	69.15	70.27	-1.12	6.76	3	Horizontal	267	2.07	-	62.39	34.23	7.04	34.51

802.11ac VHT40_Nss1,(MCS0)_4TX

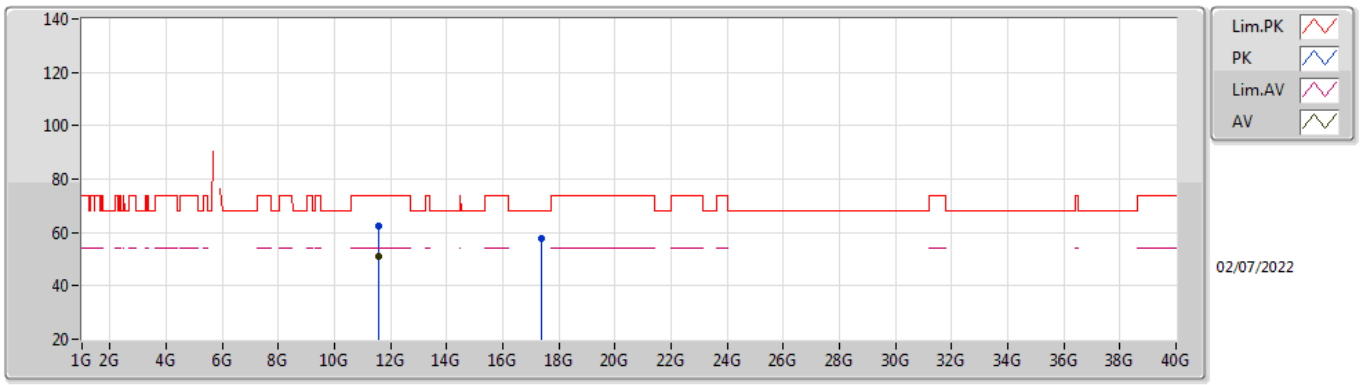
5795MHz_TX



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	11.5859G	53.23	54.00	-0.77	14.85	3	Vertical	227	2.65	-	38.38	38.91	9.94	34.00
PK	11.5864G	64.43	74.00	-9.57	14.85	3	Vertical	227	2.65	-	49.58	38.91	9.94	34.00
PK	17.3892G	57.75	68.20	-10.45	17.00	3	Vertical	107	1.48	-	40.75	38.77	12.39	34.16

802.11ac VHT40_Nss1,(MCS0)_4TX

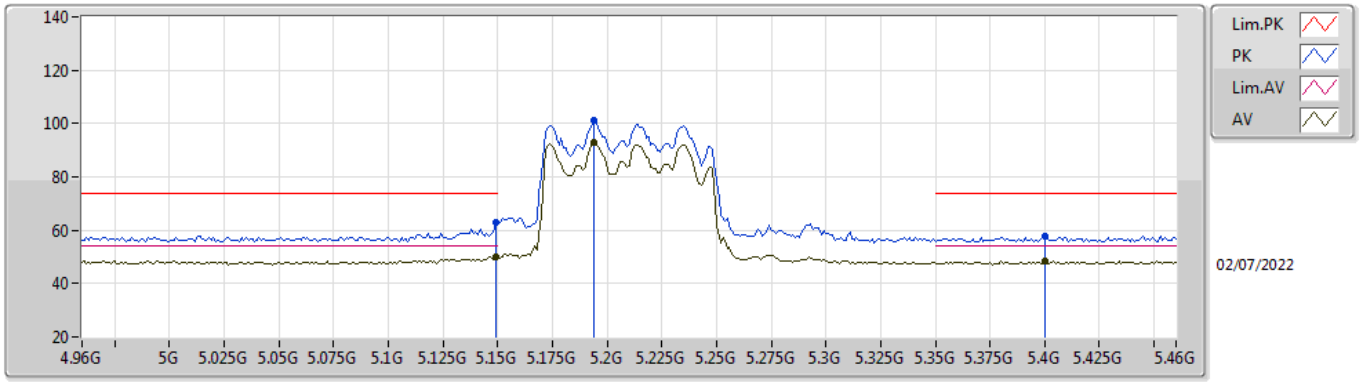
5795MHz_TX



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	11.5975G	50.95	54.00	-3.05	14.84	3	Horizontal	290	1.39	-	36.11	38.90	9.95	34.01
PK	11.5964G	62.23	74.00	-11.77	14.84	3	Horizontal	290	1.39	-	47.39	38.90	9.95	34.01
PK	17.3913G	57.53	68.20	-10.67	16.99	3	Horizontal	339	1.50	-	40.54	38.77	12.39	34.17

802.11ac VHT80_Nss1,(MCS0)_4TX

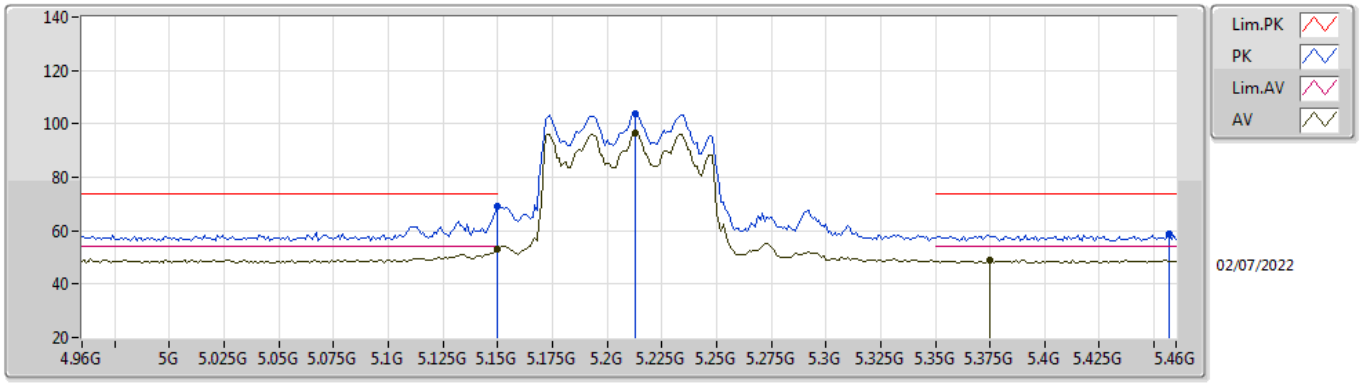
5210MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.149G	49.81	54.00	-4.19	5.15	3	Vertical	288	1.62	-	44.66	33.10	6.49	34.44
AV	5.194G	92.69	Inf	-Inf	5.10	3	Vertical	288	1.62	-	87.59	33.01	6.53	34.44
AV	5.4G	48.40	54.00	-5.60	5.31	3	Vertical	288	1.62	-	43.09	33.00	6.76	34.45
PK	5.149G	62.93	74.00	-11.07	5.15	3	Vertical	288	1.62	-	57.78	33.10	6.49	34.44
PK	5.194G	101.11	Inf	-Inf	5.10	3	Vertical	288	1.62	-	96.01	33.01	6.53	34.44
PK	5.4G	58.00	74.00	-16.00	5.31	3	Vertical	288	1.62	-	52.69	33.00	6.76	34.45

802.11ac VHT80_Nss1,(MCS0)_4TX

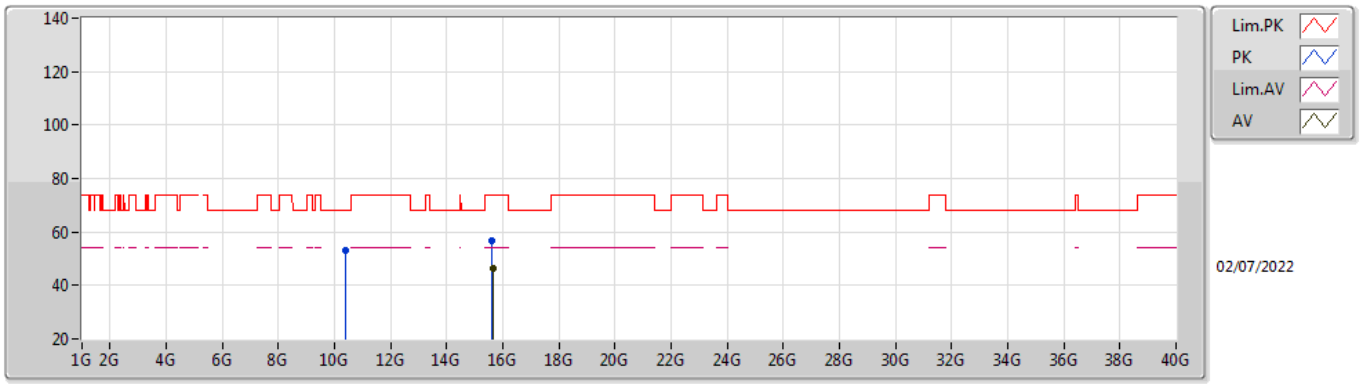
5210MHz_TX



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	5.15G	53.22	54.00	-0.78	5.15	3	Horizontal	59	1.59	-	48.07	33.10	6.49	34.44
AV	5.213G	96.74	Inf	-Inf	5.07	3	Horizontal	59	1.59	-	91.67	32.97	6.54	34.44
AV	5.375G	49.12	54.00	-4.88	5.23	3	Horizontal	59	1.59	-	43.89	32.95	6.73	34.45
PK	5.15G	69.05	74.00	-4.95	5.15	3	Horizontal	59	1.59	-	63.90	33.10	6.49	34.44
PK	5.213G	103.69	Inf	-Inf	5.07	3	Horizontal	59	1.59	-	98.62	32.97	6.54	34.44
PK	5.457G	58.55	74.00	-15.45	5.44	3	Horizontal	59	1.59	-	53.11	33.11	6.79	34.46

802.11ac VHT80_Nss1,(MCS0)_4TX

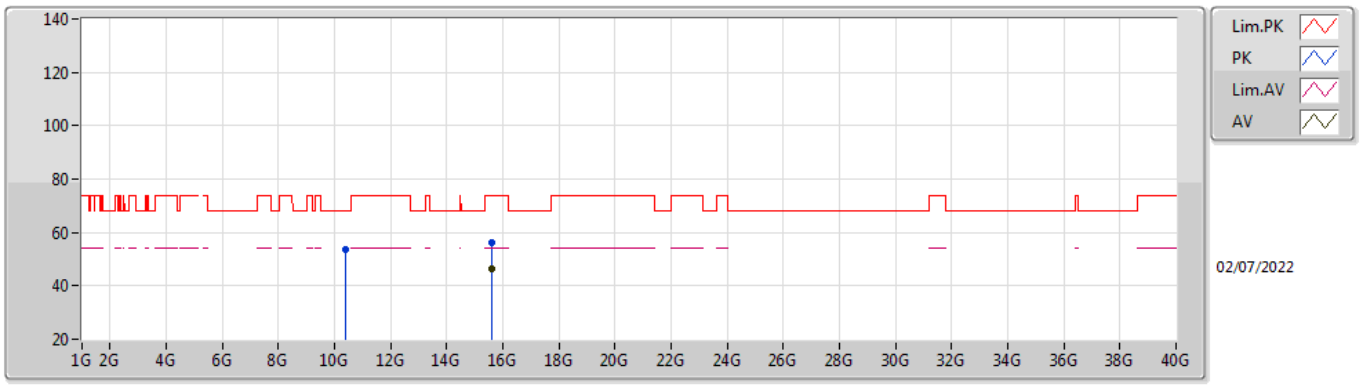
5210MHz_TX



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	15.6404G	46.62	54.00	-7.38	15.66	3	Vertical	188	1.50	-	30.96	38.52	11.68	34.54
PK	10.39616G	53.07	68.20	-15.13	13.58	3	Vertical	253	2.04	-	39.49	38.70	9.52	34.64
PK	15.6124G	56.64	74.00	-17.36	15.73	3	Vertical	188	1.50	-	40.91	38.58	11.67	34.52

802.11ac VHT80_Nss1,(MCS0)_4TX

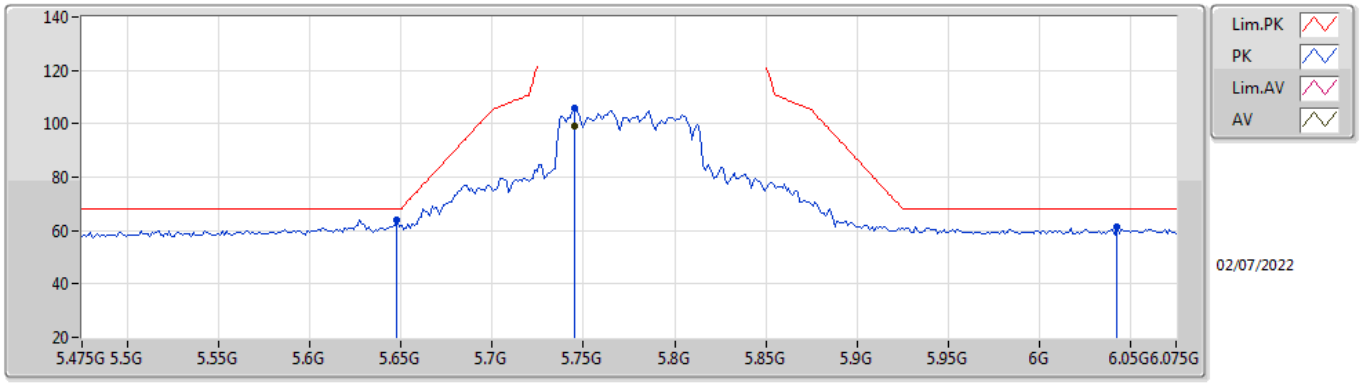
5210MHz_TX



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	15.59832G	46.18	54.00	-7.82	15.75	3	Horizontal	15	1.34	-	30.43	38.60	11.66	34.51
PK	10.39808G	53.43	68.20	-14.77	13.58	3	Horizontal	188	1.50	-	39.85	38.70	9.52	34.64
PK	15.60376G	56.17	74.00	-17.83	15.73	3	Horizontal	15	1.34	-	40.44	38.59	11.66	34.52

802.11ac VHT80_Nss1,(MCS0)_4TX

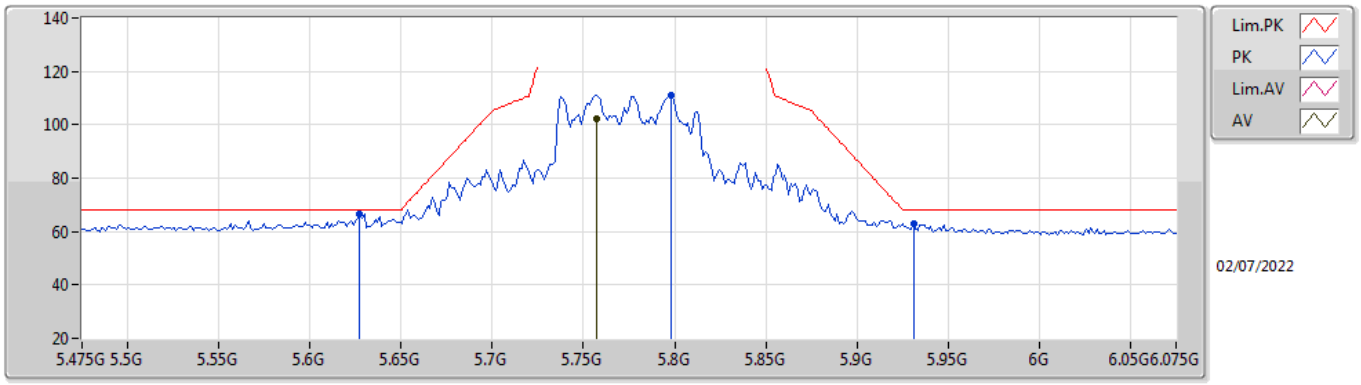
5775MHz_TX



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	5.745G	98.90	Inf	-Inf	6.18	3	Vertical	230	2.47	-	92.72	33.76	6.91	34.49
PK	5.6478G	63.84	68.20	-4.36	5.70	3	Vertical	230	2.47	-	58.14	33.30	6.88	34.48
PK	5.745G	105.65	Inf	-Inf	6.18	3	Vertical	230	2.47	-	99.47	33.76	6.91	34.49
PK	6.0426G	61.54	68.20	-6.66	6.96	3	Vertical	230	2.47	-	54.58	34.37	7.12	34.53

802.11ac VHT80_Nss1,(MCS0)_4TX

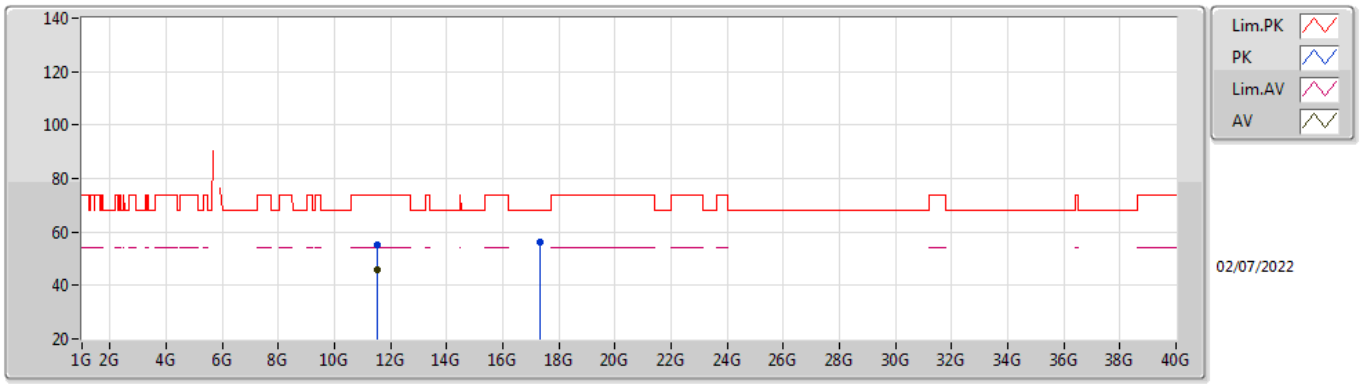
5775MHz_TX



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	5.757G	102.25	Inf	-Inf	6.23	3	Horizontal	281	1.55	-	96.02	33.81	6.91	34.49
PK	5.6274G	66.77	68.20	-1.43	5.64	3	Horizontal	281	1.55	-	61.13	33.25	6.87	34.48
PK	5.7978G	111.17	Inf	-Inf	6.33	3	Horizontal	281	1.55	-	104.84	33.90	6.93	34.50
PK	5.931G	62.80	68.20	-5.40	6.83	3	Horizontal	281	1.55	-	55.97	34.29	7.05	34.51

802.11ac VHT80_Nss1,(MCS0)_4TX

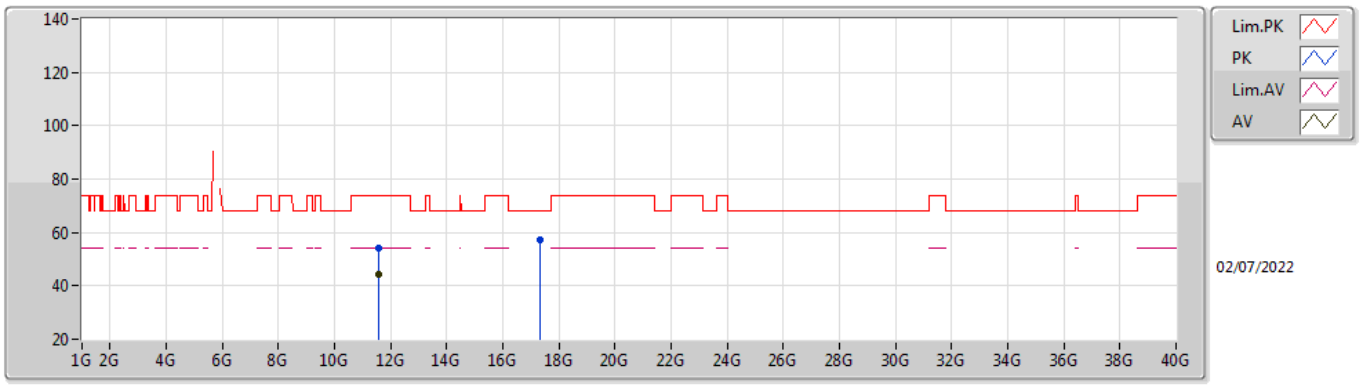
5775MHz_TX



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	11.54232G	45.67	54.00	-8.33	14.91	3	Vertical	226	1.45	-	30.76	38.96	9.93	33.98
PK	11.52264G	55.06	74.00	-18.94	14.94	3	Vertical	226	1.45	-	40.12	38.98	9.92	33.96
PK	17.31124G	56.29	68.20	-11.91	16.79	3	Vertical	123	2.49	-	39.50	38.53	12.36	34.10

802.11ac VHT80_Nss1,(MCS0)_4TX

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	11.57832G	44.41	54.00	-9.59	14.86	3	Horizontal	289	1.54	-	29.55	38.92	9.94	34.00
PK	11.57416G	54.37	74.00	-19.63	14.87	3	Horizontal	289	1.54	-	39.50	38.93	9.94	34.00
PK	17.345G	57.44	68.20	-10.76	16.87	3	Horizontal	36	1.50	-	40.57	38.63	12.37	34.13

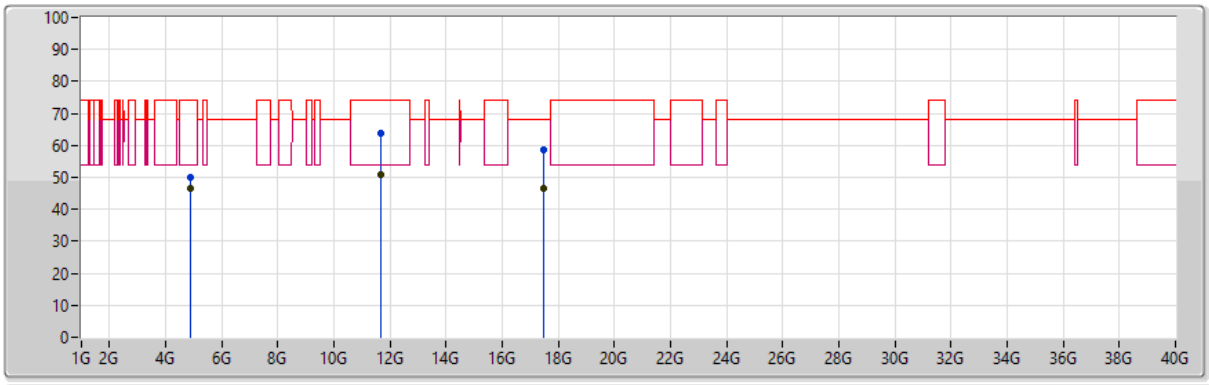
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	11.65589G	50.98	54.00	-3.02	Vertical

Result

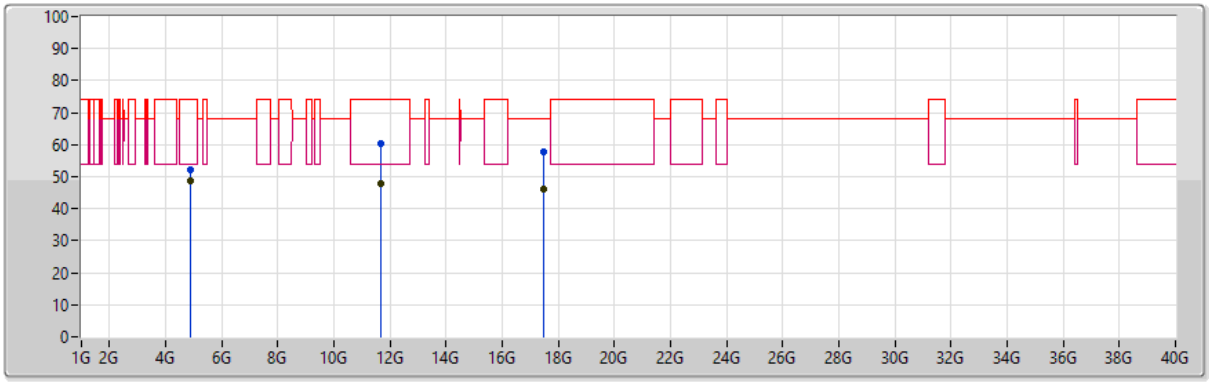
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.87402G	46.55	54.00	-7.45	3	Vertical	273	2.00	-
Mode 1	Pass	AV	11.65589G	50.98	54.00	-3.02	3	Vertical	234	1.90	-
Mode 1	Pass	AV	17.47494G	46.41	68.20	-21.79	3	Vertical	74	1.68	-
Mode 1	Pass	PK	4.87402G	50.03	74.00	-23.97	3	Vertical	273	2.00	-
Mode 1	Pass	PK	11.65549G	63.59	74.00	-10.41	3	Vertical	234	1.90	-
Mode 1	Pass	PK	17.47895G	58.59	68.20	-9.61	3	Vertical	74	1.68	-
Mode 1	Pass	AV	4.874G	48.50	54.00	-5.50	3	Horizontal	258	1.62	-
Mode 1	Pass	AV	11.65629G	48.06	54.00	-5.94	3	Horizontal	301	1.50	-
Mode 1	Pass	AV	17.47518G	46.00	68.20	-22.20	3	Horizontal	290	1.03	-
Mode 1	Pass	PK	4.87398G	52.20	74.00	-21.80	3	Horizontal	258	1.62	-
Mode 1	Pass	PK	11.65549G	60.30	74.00	-13.70	3	Horizontal	301	1.50	-
Mode 1	Pass	PK	17.47686G	57.63	68.20	-10.57	3	Horizontal	290	1.03	-

Radiated Emissions above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.87402G	46.55	54.00	-7.45	4.61	3	Vertical	273	2.00	-	41.94	32.75	6.30	34.44
AV	11.65589G	50.98	54.00	-3.02	14.76	3	Vertical	234	1.90	-	36.22	38.84	9.97	34.05
AV	17.47494G	46.41	68.20	-21.79	17.07	3	Vertical	74	1.68	-	29.34	38.87	12.43	34.23
PK	4.87402G	50.03	74.00	-23.97	4.61	3	Vertical	273	2.00	-	45.42	32.75	6.30	34.44
PK	11.65549G	63.59	74.00	-10.41	14.76	3	Vertical	234	1.90	-	48.83	38.84	9.97	34.05
PK	17.47895G	58.59	68.20	-9.61	17.08	3	Vertical	74	1.68	-	41.51	38.88	12.43	34.23

Radiated Emissions above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.874G	48.50	54.00	-5.50	4.61	3	Horizontal	258	1.62	-	43.89	32.75	6.30	34.44
AV	11.65629G	48.06	54.00	-5.94	14.76	3	Horizontal	301	1.50	-	33.30	38.84	9.97	34.05
AV	17.47518G	46.00	68.20	-22.20	17.08	3	Horizontal	290	1.03	-	28.92	38.88	12.43	34.23
PK	4.87398G	52.20	74.00	-21.80	4.61	3	Horizontal	258	1.62	-	47.59	32.75	6.30	34.44
PK	11.65549G	60.30	74.00	-13.70	14.76	3	Horizontal	301	1.50	-	45.54	38.84	9.97	34.05
PK	17.47686G	57.63	68.20	-10.57	17.08	3	Horizontal	290	1.03	-	40.55	38.88	12.43	34.23