FCC Test Report

Equipment	:	**WiFi 5G Module**
Brand Name	:	**UBIQUITI**
Model No.	:	**4x4-5GH3,4x4-5GH4**
FCC ID	:	**SWX-M445GH**
Standard	:	**47 CFR FCC Part 15.407**
Operating Band	:	**5470 MHz – 5650 MHz** **5725 MHz – 5850 MHz**
Applicant	:	**Ubiquiti Networks, Inc.** **685 Third Avenue, 27th Floor New York, New York 10017 USA**
Manufacturer	:	**Ubiquiti Networks, Inc.** **685 Third Avenue, 27th Floor New York, New York 10017 USA**
TPC Function	:	**TPC**

This report was evaluated for permissive change. The product sample received on Dec. 06, 2017 and completely tested on Dec. 26, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Phoenix Chen / Assistant Manager

Testing Laboratory
1190

Table of Contents

Summary of Test Result

Conformance Test Specifications			
Report Clause	**Ref. Std. Clause**	**Description**	**Result**
1.1.3	15.203	Antenna Requirement	Complied
3.1	15.207	AC Power-line Conducted Emissions	Complied
3.2	15.407(a)	Emission Bandwidth	Complied
3.3	15.407(a)	Maximum Conducted Output Power	Complied
3.4	15.407(a)	Peak Power Spectral Density	Complied
3.5	15.407(b)	Unwanted Emissions	Complied
3.6	15.407(g)	Frequency Stability	Complied

Revision History

Report No.	Version	Description	Issued Date
FR661623-21AN	Rev. 01	Initial issue of report	Dec. 29, 2017
FR661623-21AN	Rev. 02	Frequency band 5650-5725 was closed	Jan. 02, 2018
FR661623-21AN	Rev. 03	Update Photographs of EUT	Jan. 03, 2018

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5470-5650	a, n (HT20), ac (VHT20)	5500-5640	100-128 [8]
5725-5850		5745-5825	149-165 [5]
5470-5650	n (HT40), ac (VHT40)	5510-5630	102-126 [4]
5725-5850		5755-5795	151-159 [2]
5470-5650	ac (VHT80)	5530-5610	106-122 [2]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11a	20	4TX
5.725-5.85GHz	802.11a	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80+80	80	4TX
5.725-5.85GHz	802.11ac VHT80+80	80	4TX

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

1.1.2 Table for 80+80 MHz Mode

Type	Channel No.	Frequency
14	106+122	5530+5610 MHz

1.1.3 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	-	-	Internal Antenna	I-PEX	10
						15
2	2	-	-	Internal Antenna	I-PEX	10
						15
3	3	-	-	Internal Antenna	I-PEX	10
						15
4	4	-	-	Internal Antenna	I-PEX	10
						15
Note: 1: 802.11an/ac used four antennas are for signal transmitting and receiving.(4T4R Spatial Multiplexing MIMO configuration)						

1.1.4 EUT Information

Operational Condition				
EUT Power Type	From Host System			
RF Chip	QCA9994			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz

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:	

1.1.5 Mode Test Duty Cycle

< Antenna Gain 10dBi>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.961	0.173	2.065m	1k
802.11ac VHT20	0.981	0.083	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.967	0.146	2.437m	1k
802.11ac VHT80	0.948	0.232	1.149m	1k
802.11ac VHT80+80	0.975	0.110	2.238	1k

< Antenna Gain 15dBi>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.964	0.159	2.065m	1k
802.11ac VHT20	0.983	0.074	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.967	0.146	2.437m	1k
802.11ac VHT80	0.948	0.232	1.149m	1k
802.11ac VHT80+80	0.974	0.114	2.241	1k

1.1.6 Table for Multiple Listing

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

Model Name	Description
4x4-5GH3	for UNII-2C
4x4-5GH4	for UNII-3

1.1.7 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR661623-16

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

Modifications	Performance Checking
1. Adding two new type antennas 2. Changing model of filter	All

1.2 Testing Applied Standards

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

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

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Tim	22.8°C / 65%	26/Dec/2017
Radiated	03CH09-HY	Eric	25.8°C / 65%	19/Dec/2017
AC Conduction	CO04-HY	Thor	24.3°C / 48%	01/Dec/2017

.

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V
Freq. Stability	Abbreviation	Remark
-10°C	-	-
0°C	-	-
10°C	-	-
20°C	-	-
30°C	-	-
40°C	-	-
50°C	-	-
60°C	-	-
70°C	-	-
102V	-	-
120V	-	-
138V	-	-

2.2 Test Channel Mode

Test Software Version	QDART 00037.27

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	PoE Mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Frequency Stability
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Unwanted Emissions		
Test Condition	Radiated measurement 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	PoE Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT		V	

2.4 Support Equipment

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	PoE	UBIQUITI	GP-C500-120G	N/A
4	Adapter for PoE	D-LinK	DSA-0421S-50	N/A
5	AC Source	GW	APS-9102	N/A
6	Test Fixture	N/A	N/A	N/A

Note: Support equipment No.6 was provided by customer.

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Fixture	N/A	N/A	N/A
2	PoE (Remote Workstation)	UBIQUITI	GP-C500-120G	N/A
3	Adapter for PoE (Remote Workstation)	D-LinK	DSA-0421S-50	N/A

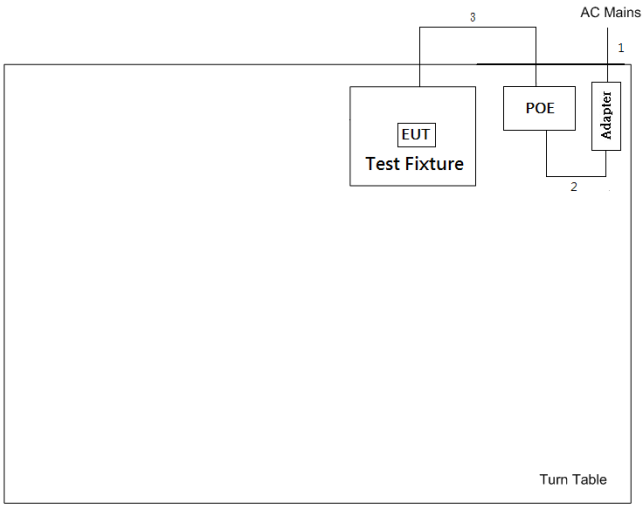
Note: Support equipment No.1 was provided by customer.

Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Fixture	N/A	N/A	N/A
2	PoE	UBIQUITI	GP-C500-120G	N/A
3	Adapter for PoE	D-LinK	DSA-0421S-50	N/A

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

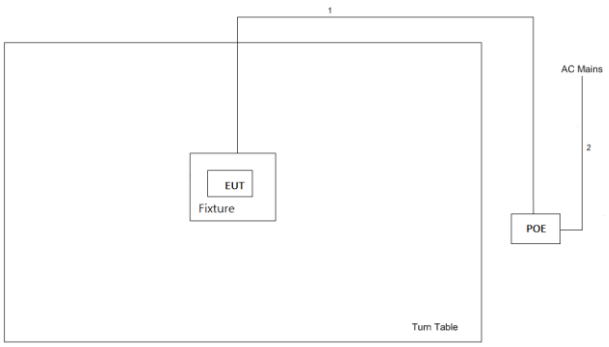
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC power line	No	1.55	-
2	DC power line	No	1.5	-
3	RJ-45 cable	No	1.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	RJ45 Cable	No	10.0	-
2	AC power line	No	1.0	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

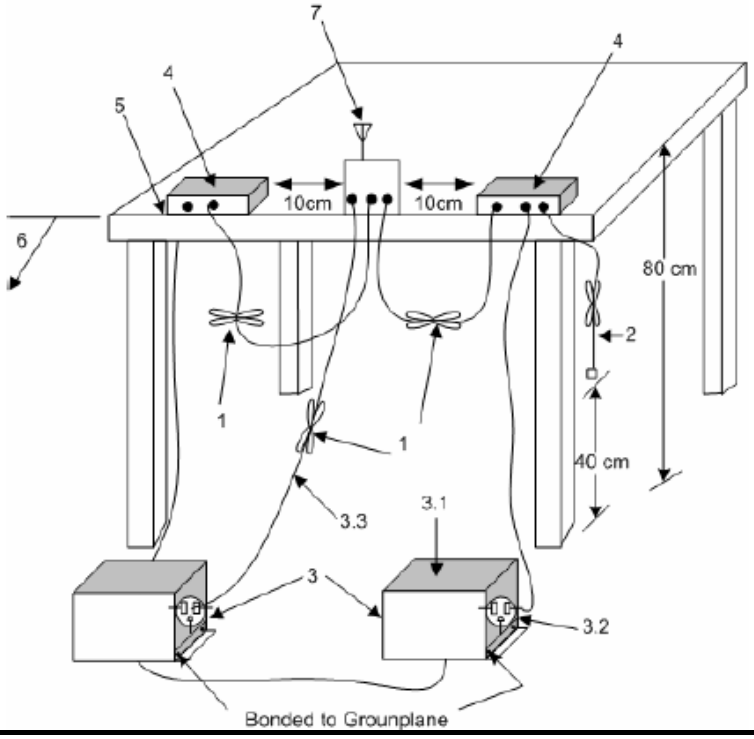
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☐	For the 5.15-5.25 GHz band, N/A
☐	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

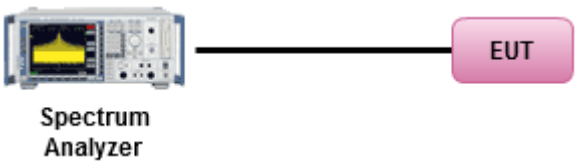
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method		
▪	For the emission bandwidth shall be measured using one of the options below:	
	☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
	☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
	☐	Refer as IC RSS-Gen, clause 6.6 for bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

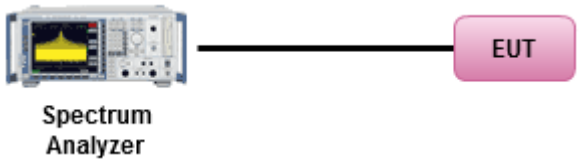
3.3.2 Measuring Instruments

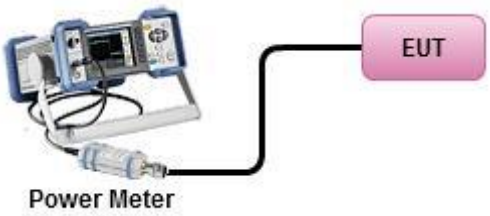
Refer a test equipment and calibration data table in this test report.

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 (Spectrum Analyzer)


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.	

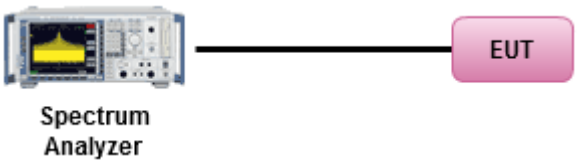
3.4.2 Measuring Instruments

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.

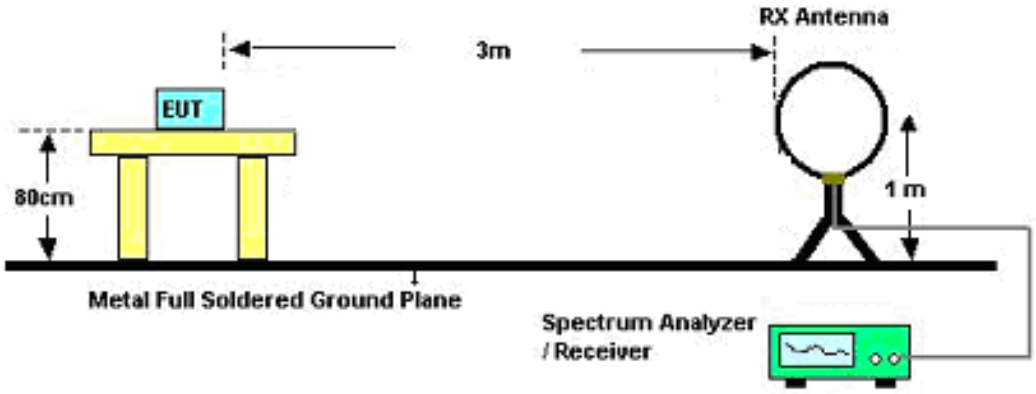
3.5.3 Test Procedures

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.		

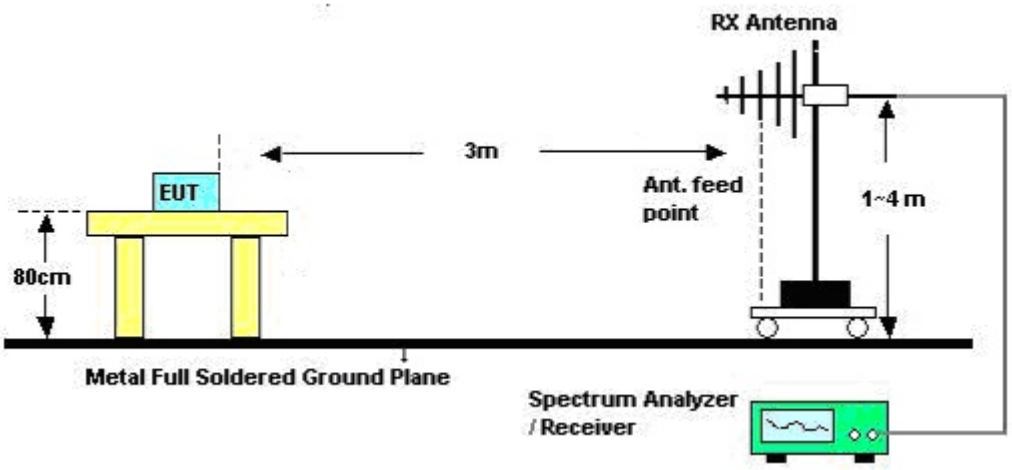
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

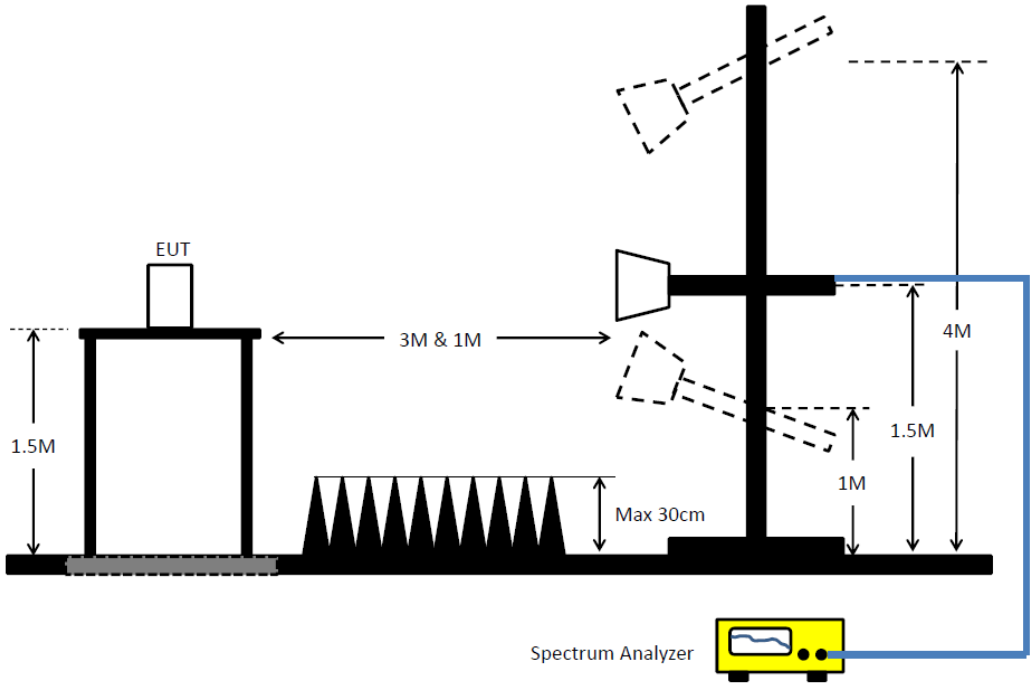
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

Frequency Stability Limit
UNII Devices
▪ In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
IEEE Std. 802.11
▪ The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band.

3.6.2 Measuring Instruments

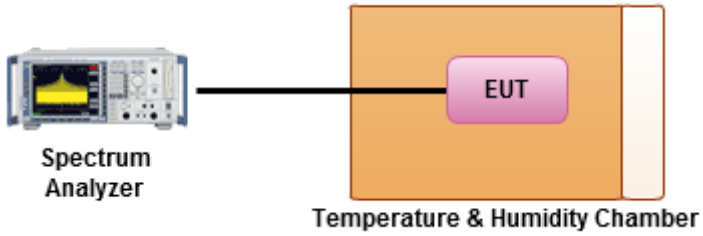
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

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

3.6.4 Test Setup

Frequency Stability



3.6.5 Test Result of Frequency Stability

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	06/Oct/2017	05/Oct/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	17/Nov/2017	16/Nov/2018

NCR : Non-Calibration Require

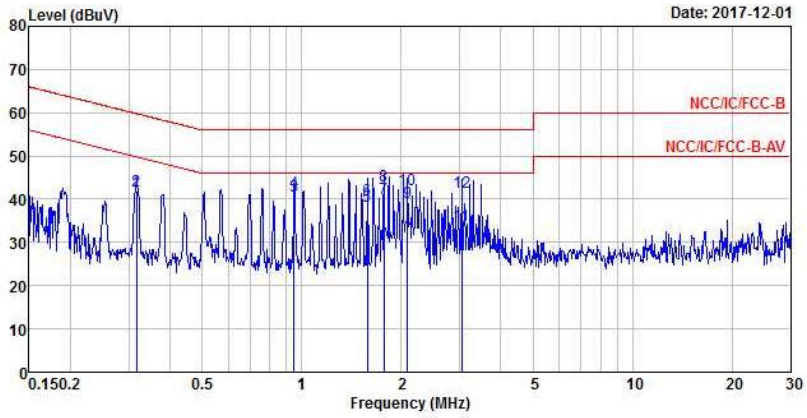
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	25/Apr/2017	24/Apr/2018
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	21/Jun/2017	20/Jun/2018
Amplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	25/Apr/2017	24/Apr/2018
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	25/Apr/2017	24/Apr/2018
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	20/Jul/2017	19/Jul/2018
Bilog Antenna	TESEQ	CBL 6111D	35418	30MHz~1GHz	09/Sep/2017	08/Sep/2018
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA9120D 1534	1GHz~18GHz	28/Apr/2017	27/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170614	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
Amplifier	MITEQ	JS44-18004000 -33-8P	1840917	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	02/Feb/2017	01/Feb/2018
RF Cable-high	Jye Bao	RG142	03CH09-HY	1GHz ~ 40GHz	02/Feb/2017	01/Feb/2018
Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	30/Dec/2016	29/Dec/2017
Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	24/Feb/2017	23/Feb/2018
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	24/Feb/2017	23/Feb/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
Temp. and Humidity Chamber	Giant Force	GTH-225-40-CP-AR	MAA1611-005	-40 ~ 100℃	21/Nov/2016	20/Nov/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY677/3	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY678/3	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10717/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-1.5m	HUBER+SUHNER	SUCOFLEX_104	MY12586/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018

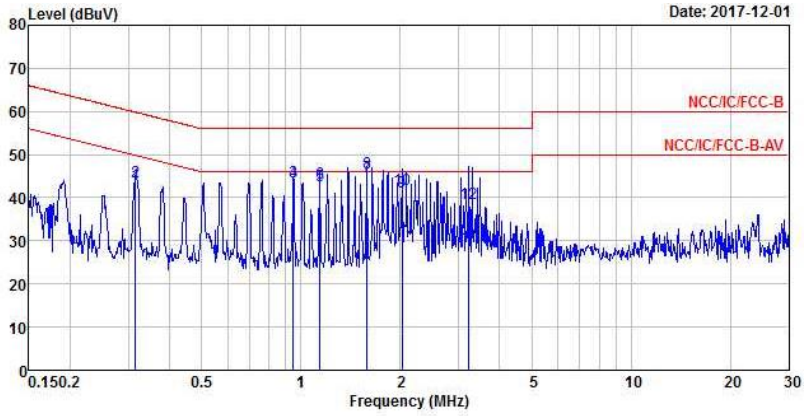
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.3166	41.64	-8.16	49.80	31.96	9.61	0.07	Average
2	0.3166	41.80	-18.00	59.80	32.12	9.61	0.07	QP
3 MAX	0.9481	40.86	-5.14	46.00	31.23	9.62	0.01	Average
4	0.9481	41.67	-14.33	56.00	32.04	9.62	0.01	QP
5	1.5792	38.47	-7.53	46.00	28.84	9.63	0.00	Average
6	1.5792	39.88	-16.12	56.00	30.25	9.63	0.00	QP
7	1.7716	40.12	-5.88	46.00	30.49	9.63	0.00	Average
8	1.7716	43.17	-12.83	56.00	33.54	9.63	0.00	QP
9	2.0879	39.37	-6.63	46.00	29.73	9.63	0.01	Average
10	2.0879	42.27	-13.73	56.00	32.63	9.63	0.01	QP
11	3.0414	33.82	-12.18	46.00	24.13	9.64	0.05	Average
12	3.0414	41.49	-14.51	56.00	31.80	9.64	0.05	QP

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

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	PoE Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.3149	43.24	-6.60	49.84	33.56	9.61	0.07	Average
2	0.3149	43.55	-16.29	59.84	33.87	9.61	0.07	QP
3	0.9481	43.66	-2.34	46.00	34.04	9.61	0.01	Average
4	0.9481	43.67	-12.33	56.00	34.05	9.61	0.01	QP
5	1.1413	42.69	-3.31	46.00	33.08	9.61	0.00	Average
6	1.1413	43.50	-12.50	56.00	33.89	9.61	0.00	QP
7 MAX	1.5834	45.00	-1.00	46.00	35.38	9.62	0.00	Average
8	1.5834	45.79	-10.21	56.00	36.17	9.62	0.00	QP
9	2.0225	41.18	-4.82	46.00	31.56	9.62	0.00	Average
10	2.0225	42.01	-13.99	56.00	32.39	9.62	0.00	QP
11	3.2239	28.76	-17.24	46.00	19.07	9.63	0.06	Average
12	3.2239	38.55	-17.45	56.00	28.86	9.63	0.06	QP

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.85M	16.442M	16M4D1D	19.075M	16.392M
802.11ac VHT20_Nss1,(MCS0)_4TX	20.625M	17.641M	17M6D1D	19.95M	17.591M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.1M	36.082M	36M1D1D	39.15M	35.832M
802.11ac VHT80_Nss1,(MCS0)_4TX	84M	75.962M	76M0D1D	82.9M	75.762M
802.11ac VHT80+80_Nss2,(MCS0)_4TX	84.3M	76.012M	76M0D1D	82.8M	75.712M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.325M	24.788M	24M8D1D	15.65M	16.442M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.55M	21.389M	21M4D1D	15.875M	17.641M
802.11ac VHT40_Nss1,(MCS0)_4TX	35.6M	38.081M	38M1D1D	31.3M	36.182M
802.11ac VHT80_Nss1,(MCS0)_4TX	75.7M	110.845M	111MD1D	74.4M	82.359M

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

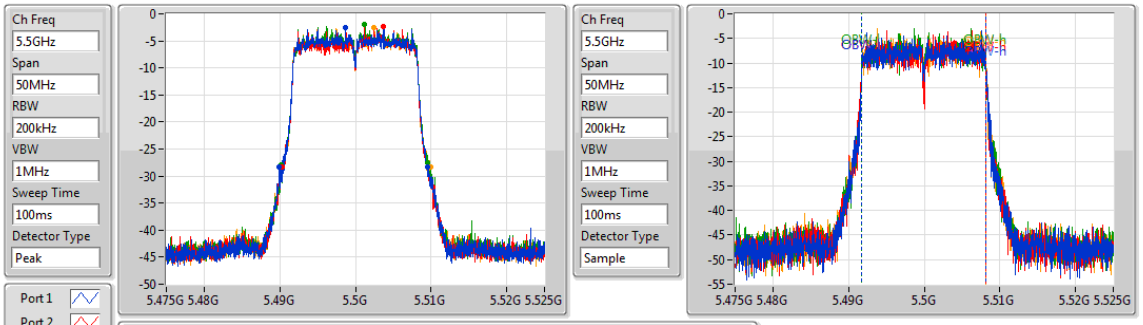
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz_TnomVnom	Pass	Inf	19.55M	16.417M	19.25M	16.442M	19.475M	16.392M	19.85M	16.417M
5580MHz_TnomVnom	Pass	Inf	19.5M	16.417M	19.1M	16.417M	19.275M	16.442M	19.45M	16.417M
5640MHz_TnomVnom	Pass	Inf	19.575M	16.392M	19.075M	16.392M	19.625M	16.417M	19.35M	16.392M
5745MHz_TnomVnom	Pass	500k	16.3M	16.567M	16.3M	16.442M	16.275M	16.442M	16.275M	16.567M
5785MHz_TnomVnom	Pass	500k	16.3M	21.814M	16.025M	18.066M	16.275M	16.542M	15.65M	24.788M
5825MHz_TnomVnom	Pass	500k	16.025M	16.492M	16.325M	16.492M	15.9M	16.567M	16.275M	16.442M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz_TnomVnom	Pass	Inf	20.5M	17.616M	20.4M	17.591M	20.575M	17.616M	20.425M	17.591M
5580MHz_TnomVnom	Pass	Inf	20.6M	17.616M	20M	17.616M	20.6M	17.616M	20.5M	17.591M
5640MHz_TnomVnom	Pass	Inf	20.625M	17.616M	19.95M	17.591M	20.525M	17.641M	20.35M	17.616M
5745MHz_TnomVnom	Pass	500k	16.525M	17.766M	17.525M	17.716M	17.55M	17.691M	17.525M	17.841M
5785MHz_TnomVnom	Pass	500k	16.775M	21.389M	17.525M	18.066M	15.875M	17.691M	17.55M	20.99M
5825MHz_TnomVnom	Pass	500k	17.275M	17.641M	17.125M	17.666M	16.9M	17.716M	16.525M	17.641M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz_TnomVnom	Pass	Inf	39.65M	35.982M	39.85M	35.832M	39.8M	35.982M	39.15M	35.932M
5550MHz_TnomVnom	Pass	Inf	39.95M	35.982M	39.8M	36.082M	39.85M	35.982M	39.4M	35.982M
5630MHz_TnomVnom	Pass	Inf	40.1M	36.032M	40.05M	35.982M	39.6M	35.982M	39.3M	35.982M
5755MHz_TnomVnom	Pass	500k	35.6M	36.582M	34.9M	36.232M	34.95M	36.182M	35M	37.031M
5795MHz_TnomVnom	Pass	500k	32.55M	36.732M	35M	36.732M	31.3M	36.182M	35M	38.081M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz_TnomVnom	Pass	Inf	83.5M	75.862M	83.3M	75.962M	83.8M	75.762M	83.7M	75.862M
5610MHz_TnomVnom	Pass	Inf	84M	75.862M	83.1M	75.862M	83.3M	75.762M	82.9M	75.862M
5775MHz_TnomVnom	Pass	500k	75M	86.857M	75.7M	110.845M	75.6M	82.359M	74.4M	109.145M
802.11ac VHT80+80_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz_TnomVnom	Pass	Inf	83.4M	75.712M	84.3M	76.012M	82.8M	75.862M	83.4M	75.862M

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**

5500MHz

26/12/2017

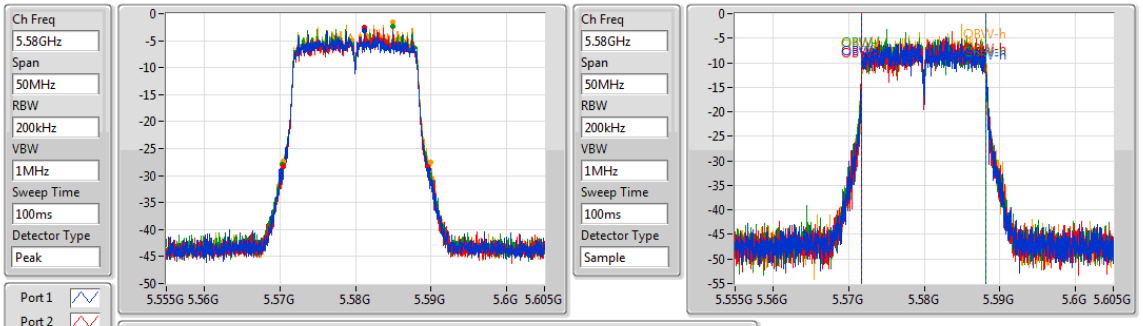


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.55M	5.489925G	5.509475G	16.417M	5.491779G	5.508196G	Inf	1
19.25M	5.490325G	5.509575G	16.442M	5.491754G	5.508196G	Inf	2
19.475M	5.490125G	5.5096G	16.392M	5.491779G	5.508171G	Inf	3
19.85M	5.490125G	5.509975G	16.417M	5.491779G	5.508196G	Inf	4

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

5580MHz

26/12/2017

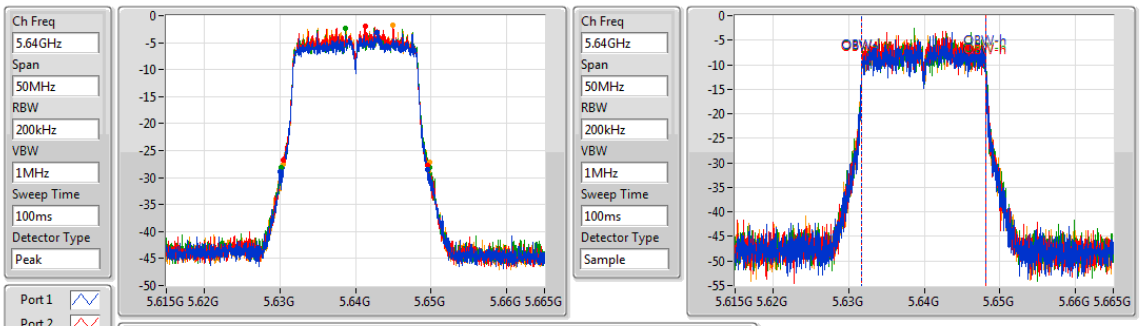


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.5M	5.570175G	5.589675G	16.417M	5.571779G	5.588196G	Inf	1
19.1M	5.5704G	5.5895G	16.417M	5.571779G	5.588196G	Inf	2
19.275M	5.570325G	5.5896G	16.442M	5.571754G	5.588196G	Inf	3
19.45M	5.570525G	5.589975G	16.417M	5.571779G	5.588196G	Inf	4

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

5640MHz

26/12/2017

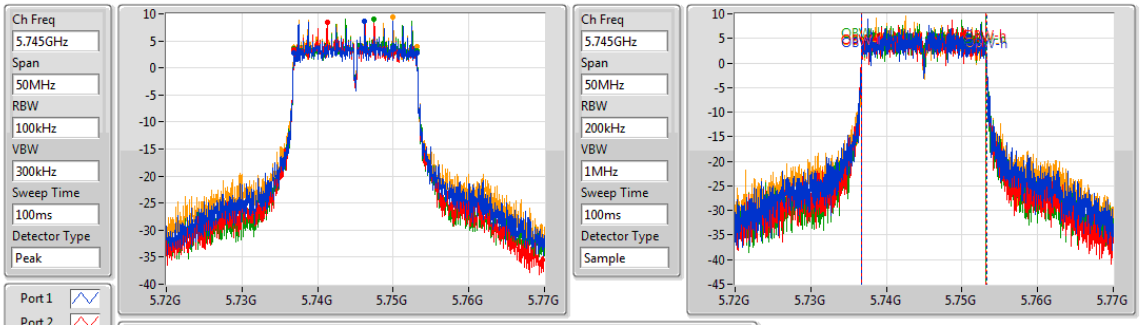


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.575M	5.629975G	5.64955G	16.392M	5.631779G	5.648171G	Inf	1
19.075M	5.6304G	5.649475G	16.392M	5.631779G	5.648171G	Inf	2
19.625M	5.63015G	5.649775G	16.417M	5.631779G	5.648196G	Inf	3
19.35M	5.6305G	5.64985G	16.392M	5.631779G	5.648171G	Inf	4

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

5745MHz

26/12/2017

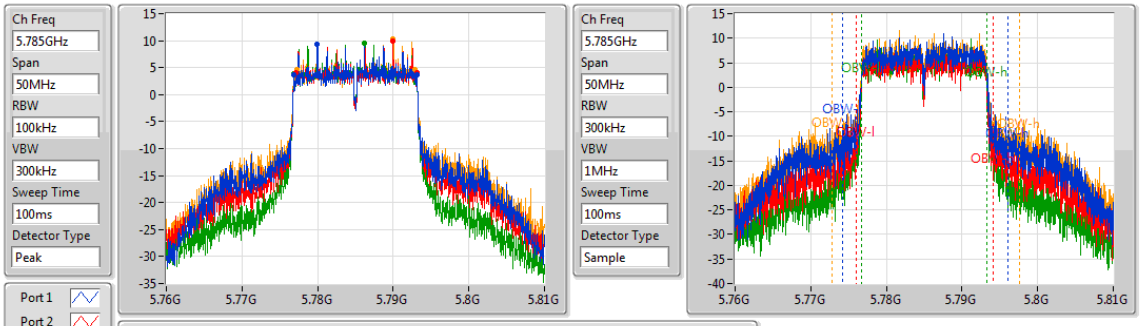


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.73685G	5.75315G	16.567M	5.736704G	5.753271G	500k	1
16.3M	5.73685G	5.75315G	16.442M	5.736754G	5.753196G	500k	2
16.275M	5.73685G	5.753125G	16.442M	5.736754G	5.753196G	500k	3
16.275M	5.73685G	5.753125G	16.567M	5.736704G	5.753271G	500k	4

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

5785MHz

26/12/2017

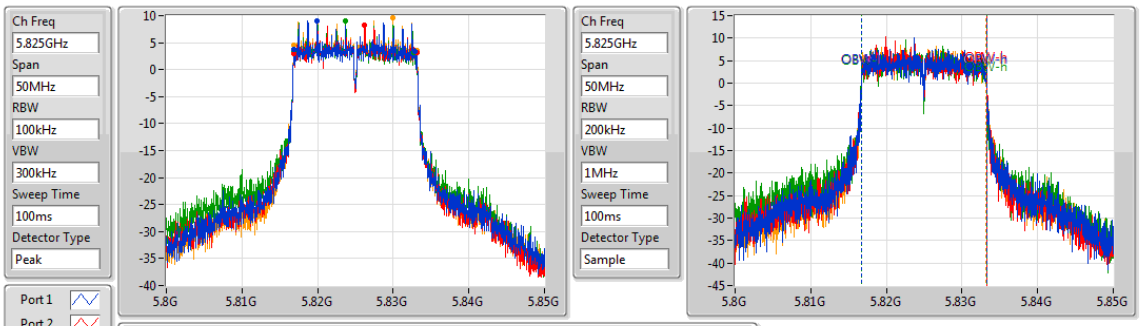


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.77685G	5.79315G	21.814M	5.774205G	5.796019G	500k	1
16.025M	5.7771G	5.793125G	18.066M	5.776054G	5.79412G	500k	2
16.275M	5.77685G	5.793125G	16.542M	5.776729G	5.793271G	500k	3
15.65M	5.777225G	5.792875G	24.788M	5.772756G	5.797544G	500k	4

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

5825MHz

26/12/2017

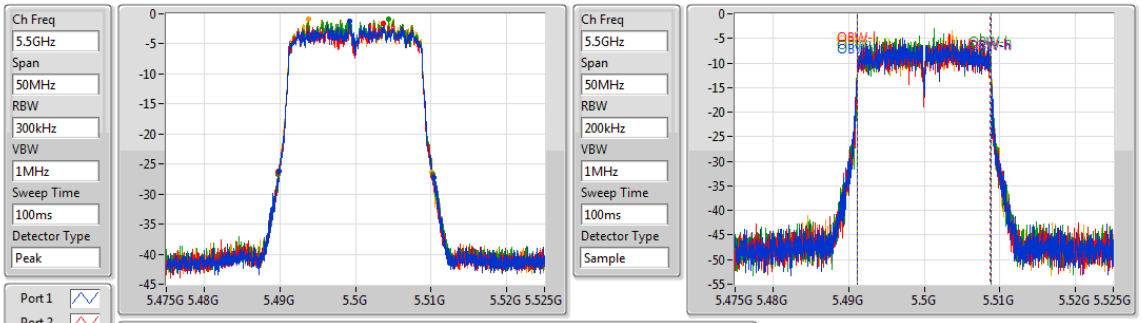


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.025M	5.81685G	5.832875G	16.492M	5.816729G	5.833221G	500k	1
16.325M	5.816825G	5.83315G	16.492M	5.816729G	5.833221G	500k	2
15.9M	5.816825G	5.832725G	16.567M	5.816654G	5.833221G	500k	3
16.275M	5.81685G	5.833125G	16.442M	5.816754G	5.833196G	500k	4

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

5500MHz

26/12/2017

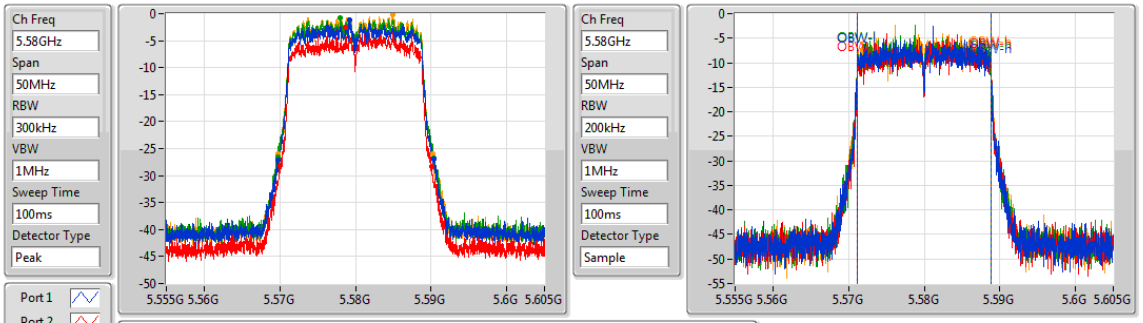


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.5M	5.48985G	5.51035G	17.616M	5.491179G	5.508796G	Inf	1
20.4M	5.489775G	5.510175G	17.591M	5.491179G	5.508771G	Inf	2
20.575M	5.489725G	5.5103G	17.616M	5.491179G	5.508796G	Inf	3
20.425M	5.489725G	5.51015G	17.591M	5.491204G	5.508796G	Inf	4

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

5580MHz

26/12/2017

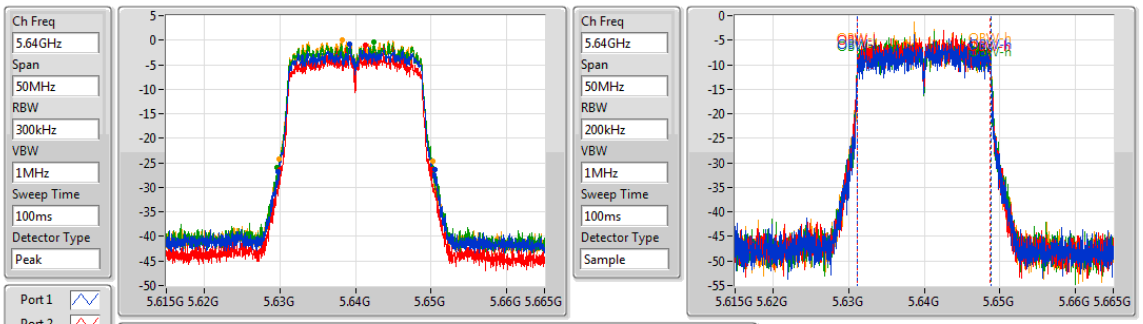


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.6M	5.569825G	5.590425G	17.616M	5.571179G	5.588796G	Inf	1
20M	5.57005G	5.59005G	17.616M	5.571204G	5.588821G	Inf	2
20.6M	5.569725G	5.590325G	17.616M	5.571179G	5.588796G	Inf	3
20.5M	5.569775G	5.590275G	17.591M	5.571204G	5.588796G	Inf	4

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

5640MHz

26/12/2017

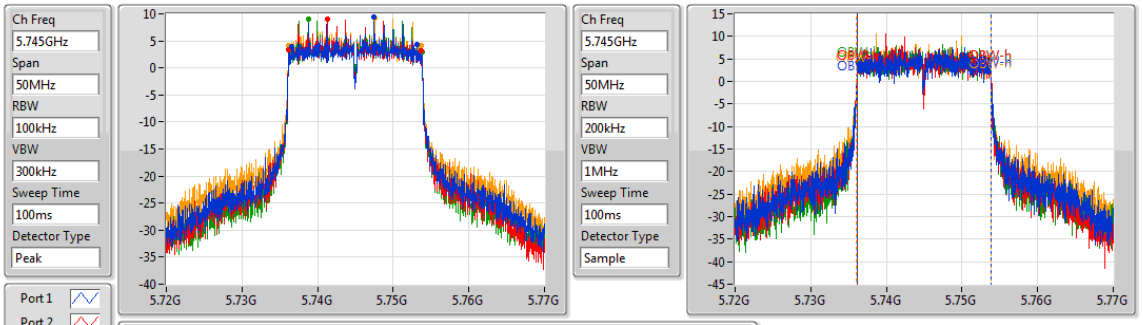


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.625M	5.629825G	5.65045G	17.616M	5.631179G	5.648796G	Inf	1
19.95M	5.6301G	5.65005G	17.591M	5.631179G	5.648771G	Inf	2
20.525M	5.629675G	5.6502G	17.641M	5.631154G	5.648796G	Inf	3
20.35M	5.629875G	5.650225G	17.616M	5.631179G	5.648796G	Inf	4

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

5745MHz

26/12/2017

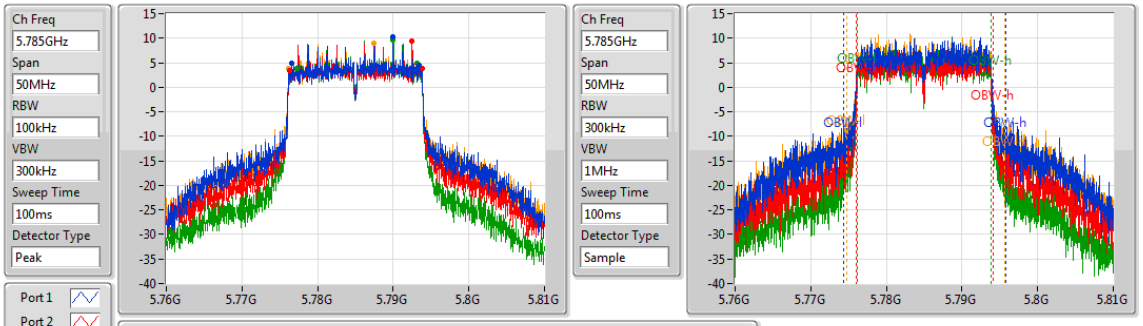


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	5.7366G	5.753125G	17.766M	5.736104G	5.753871G	500k	1
17.525M	5.736225G	5.75375G	17.716M	5.736129G	5.753846G	500k	2
17.55M	5.736225G	5.753775G	17.691M	5.736154G	5.753846G	500k	3
17.525M	5.736225G	5.75375G	17.841M	5.736054G	5.753896G	500k	4

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

5785MHz

26/12/2017

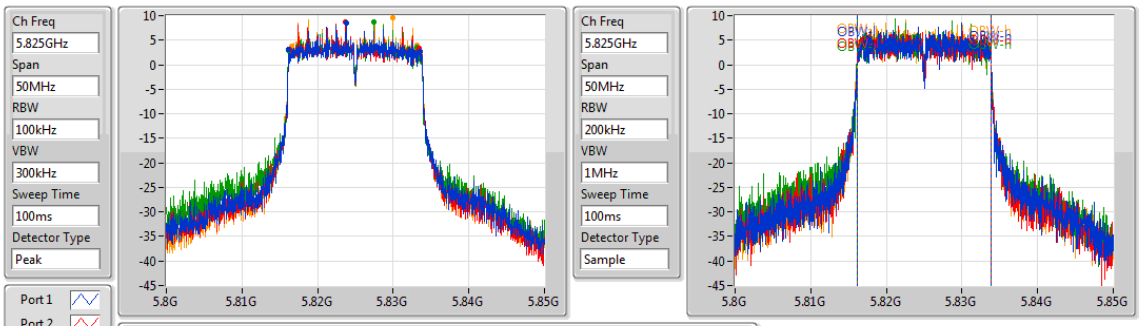


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.775M	5.7766G	5.793375G	21.389M	5.774405G	5.795795G	500k	1
17.525M	5.77625G	5.793775G	18.066M	5.776004G	5.79407G	500k	2
15.875M	5.77725G	5.793125G	17.691M	5.776129G	5.793821G	500k	3
17.55M	5.776225G	5.793775G	20.99M	5.774705G	5.795695G	500k	4

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

5825MHz

26/12/2017

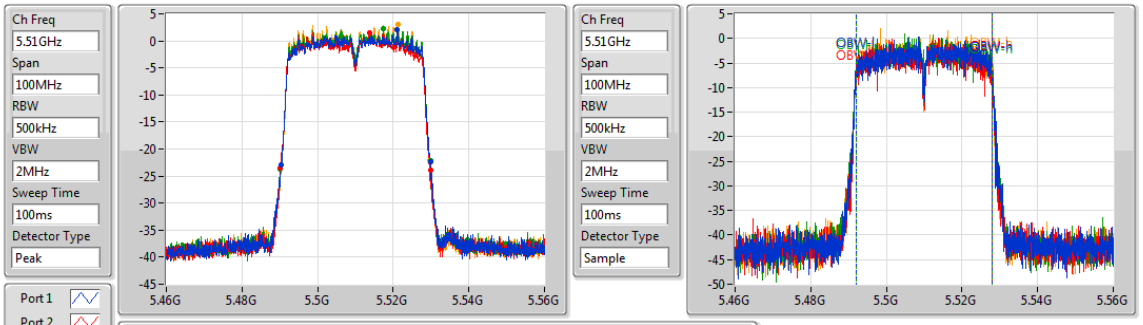


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.275M	5.816225G	5.8335G	17.641M	5.816154G	5.833796G	500k	1
17.125M	5.81625G	5.833375G	17.666M	5.816129G	5.833796G	500k	2
16.9M	5.816225G	5.833125G	17.716M	5.816104G	5.833821G	500k	3
16.525M	5.8166G	5.833125G	17.641M	5.816154G	5.833796G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX **EBW**

5510MHz

26/12/2017

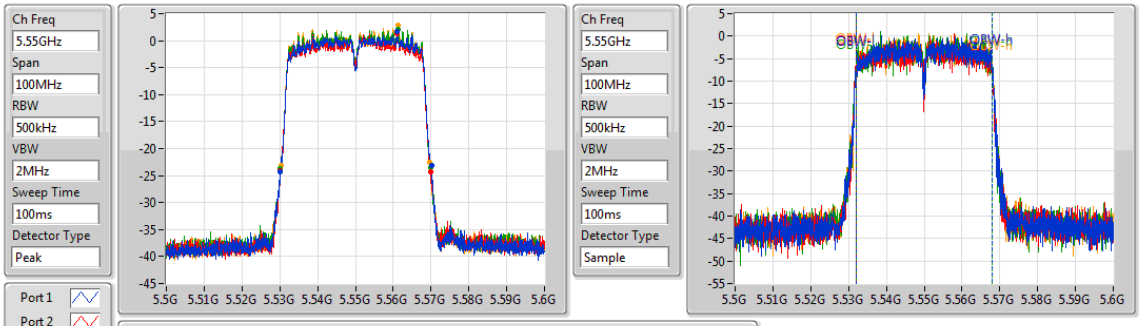


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.65M	5.4903G	5.52995G	35.982M	5.492009G	5.527991G	Inf	1
39.85M	5.49005G	5.5299G	35.832M	5.492009G	5.527841G	Inf	2
39.8M	5.4901G	5.5299G	35.982M	5.492009G	5.527991G	Inf	3
39.15M	5.49045G	5.5296G	35.932M	5.492009G	5.527941G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX **EBW**

5550MHz

26/12/2017

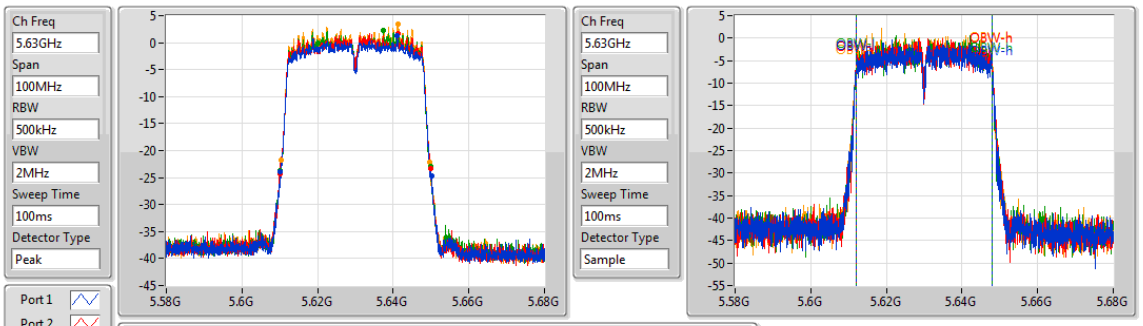


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.95M	5.53015G	5.5701G	35.982M	5.532009G	5.567991G	Inf	1
39.8M	5.5302G	5.57G	36.082M	5.531909G	5.567991G	Inf	2
39.85M	5.5301G	5.56995G	35.982M	5.532009G	5.567991G	Inf	3
39.4M	5.53025G	5.56965G	35.982M	5.532009G	5.567991G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX **EBW**

5630MHz

26/12/2017

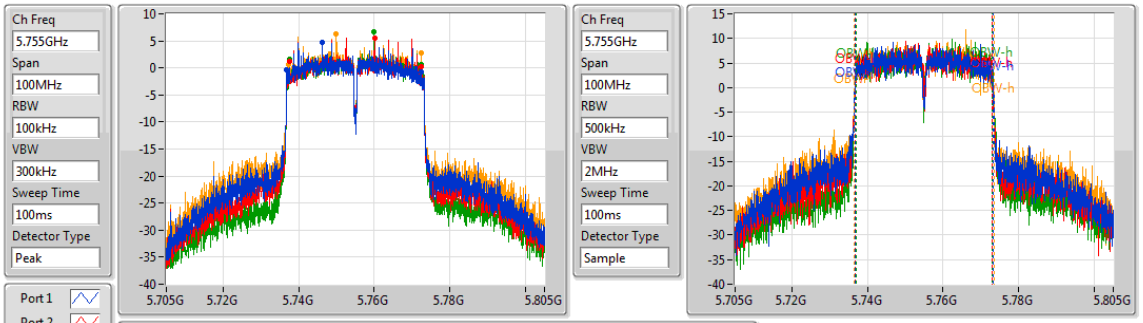


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.1M	5.6101G	5.6502G	36.032M	5.611959G	5.647991G	Inf	1
40.05M	5.60995G	5.65G	35.982M	5.612009G	5.647991G	Inf	2
39.6M	5.6102G	5.6498G	35.982M	5.612009G	5.647991G	Inf	3
39.3M	5.6104G	5.6497G	35.982M	5.612009G	5.647991G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX **EBW**

5755MHz

26/12/2017

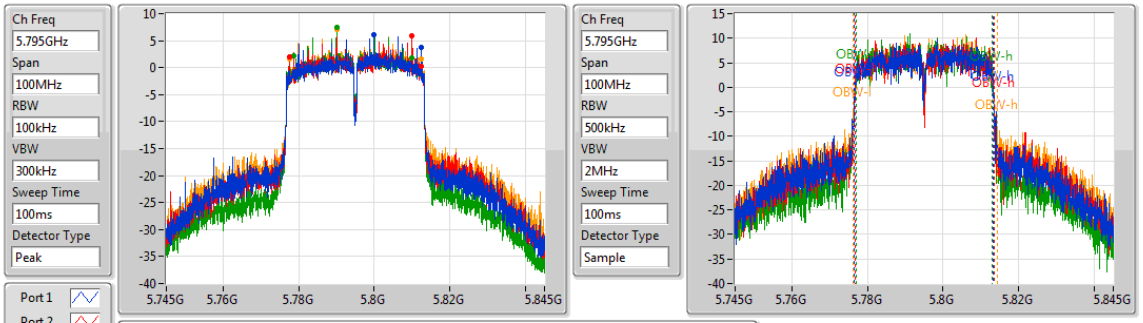


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.6M	5.73685G	5.77245G	36.582M	5.736659G	5.773241G	500k	1
34.9M	5.73755G	5.77245G	36.232M	5.736859G	5.773091G	500k	2
34.95M	5.73755G	5.7725G	36.182M	5.736909G	5.773091G	500k	3
35M	5.73745G	5.77245G	37.031M	5.736409G	5.773441G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX **EBW**

5795MHz

26/12/2017

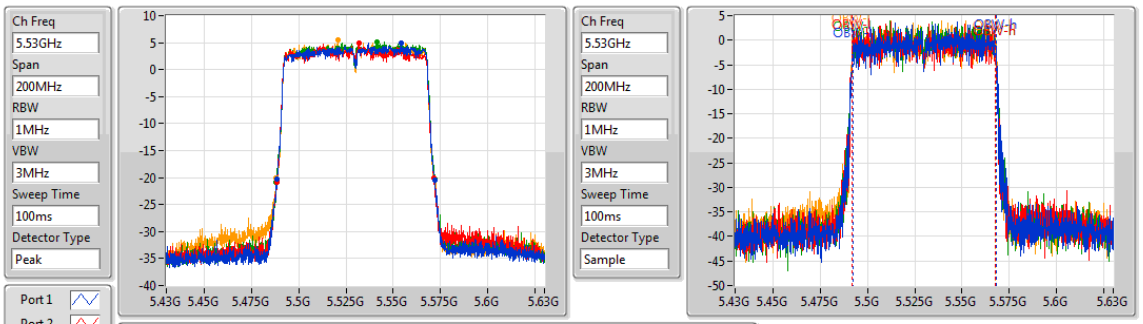


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.55M	5.77995G	5.8125G	36.732M	5.776609G	5.813341G	500k	1
35M	5.7775G	5.8125G	36.732M	5.776709G	5.813441G	500k	2
31.3M	5.7787G	5.81G	36.182M	5.776909G	5.813091G	500k	3
35M	5.7775G	5.8125G	38.081M	5.776309G	5.81439G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX **EBW**

5530MHz

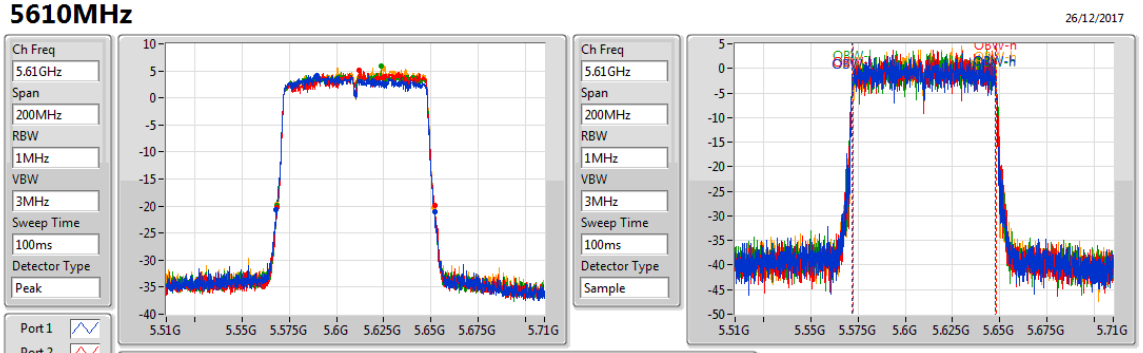
26/12/2017



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.5M	5.4884G	5.5719G	75.862M	5.492119G	5.567981G	Inf	1
83.3M	5.4884G	5.5717G	75.962M	5.491919G	5.567881G	Inf	2
83.8M	5.4881G	5.5719G	75.762M	5.492119G	5.567881G	Inf	3
83.7M	5.4882G	5.5719G	75.862M	5.492019G	5.567881G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX **EBW**

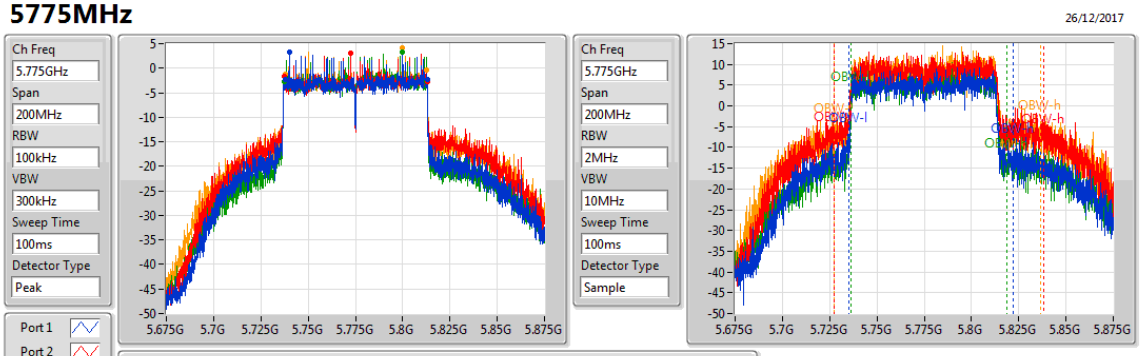
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
84M	5.5681G	5.6521G	75.862M	5.572019G	5.647881G	Inf	1
83.1M	5.5687G	5.6518G	75.862M	5.572119G	5.647981G	Inf	2
83.3M	5.5685G	5.6518G	75.762M	5.572119G	5.647881G	Inf	3
82.9M	5.5687G	5.6516G	75.862M	5.572119G	5.647981G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX **EBW**

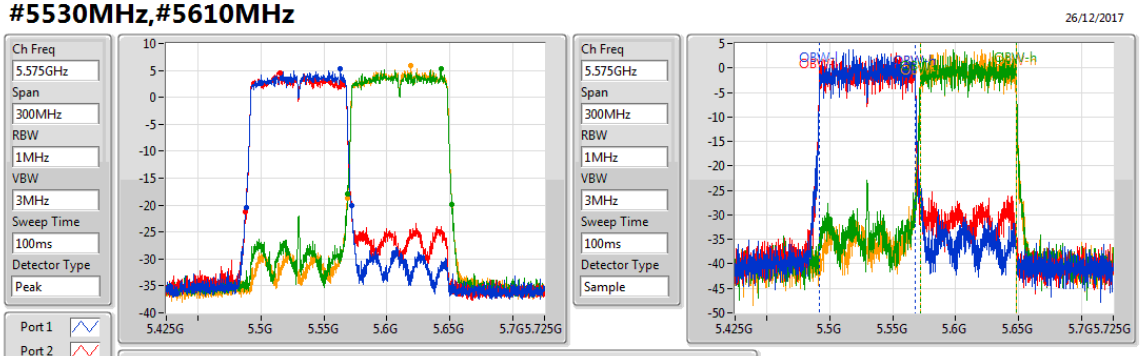
5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75M	5.7381G	5.8131G	86.857M	5.73512G	5.821977G	500k	1
75.7M	5.7372G	5.8129G	110.845M	5.727224G	5.838068G	500k	2
75.6M	5.7372G	5.8128G	82.359M	5.736419G	5.818778G	500k	3
74.4M	5.7381G	5.8125G	109.145M	5.727324G	5.836469G	500k	4

802.11ac VHT80+80_Nss2,(MCS0)_4TX **EBW**

#5530MHz,#5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.4M	5.4883G	5.5717G	75.712M	5.492091G	5.567804G	Inf	1
84.3M	5.48785G	5.57215G	76.012M	5.491942G	5.567954G	Inf	2
82.8M	5.56855G	5.65135G	75.862M	5.572001G	5.647864G	Inf	3
83.4M	5.5684G	5.6518G	75.862M	5.572001G	5.647864G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.975M	16.467M	16M5D1D	19.2M	16.392M
802.11ac VHT20_Nss1,(MCS0)_4TX	20.875M	17.641M	17M6D1D	20.425M	17.591M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.35M	36.082M	36M1D1D	39.2M	35.982M
802.11ac VHT80_Nss1,(MCS0)_4TX	84M	76.062M	76M1D1D	83.1M	75.762M
802.11ac VHT80+80_Nss2,(MCS0)_4TX	84.6M	76.012M	76M0D1D	83.1M	75.862M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.325M	16.442M	16M4D1D	16.25M	16.392M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.55M	17.641M	17M6D1D	16.525M	17.591M
802.11ac VHT40_Nss1,(MCS0)_4TX	35.9M	36.032M	36M0D1D	31.5M	35.882M
802.11ac VHT80_Nss1,(MCS0)_4TX	76.3M	75.862M	75M9D1D	71.3M	75.762M

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

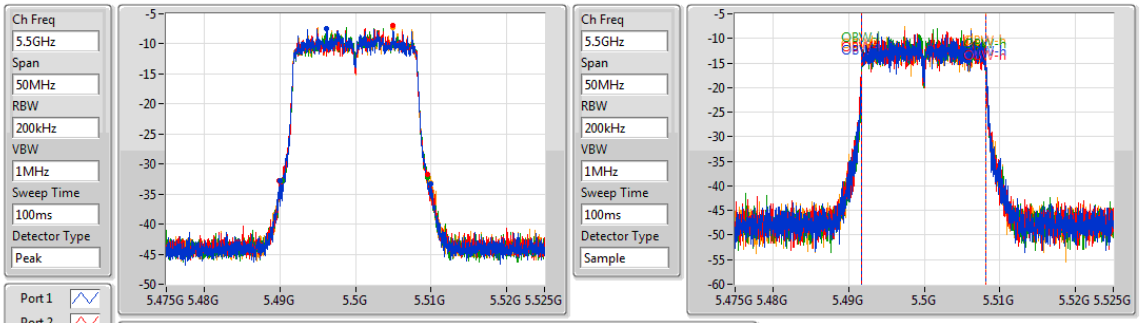
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz_TnomVnom	Pass	Inf	19.975M	16.442M	19.65M	16.442M	19.25M	16.392M	19.975M	16.442M
5580MHz_TnomVnom	Pass	Inf	19.65M	16.442M	19.625M	16.442M	19.925M	16.417M	19.5M	16.442M
5640MHz_TnomVnom	Pass	Inf	19.8M	16.467M	19.2M	16.417M	19.475M	16.417M	19.975M	16.417M
5745MHz_TnomVnom	Pass	500k	16.3M	16.417M	16.3M	16.392M	16.3M	16.392M	16.325M	16.417M
5785MHz_TnomVnom	Pass	500k	16.275M	16.392M	16.325M	16.417M	16.275M	16.392M	16.275M	16.442M
5825MHz_TnomVnom	Pass	500k	16.25M	16.392M	16.3M	16.417M	16.3M	16.392M	16.3M	16.417M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz_TnomVnom	Pass	Inf	20.725M	17.641M	20.875M	17.641M	20.675M	17.616M	20.425M	17.641M
5580MHz_TnomVnom	Pass	Inf	20.875M	17.616M	20.775M	17.591M	20.875M	17.641M	20.575M	17.591M
5640MHz_TnomVnom	Pass	Inf	20.675M	17.641M	20.8M	17.591M	20.75M	17.616M	20.525M	17.616M
5745MHz_TnomVnom	Pass	500k	16.825M	17.591M	16.525M	17.616M	16.925M	17.641M	17.525M	17.591M
5785MHz_TnomVnom	Pass	500k	16.9M	17.616M	17.55M	17.641M	17.525M	17.616M	17.175M	17.616M
5825MHz_TnomVnom	Pass	500k	16.775M	17.641M	17.525M	17.591M	16.925M	17.641M	17.525M	17.591M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz_TnomVnom	Pass	Inf	40.35M	36.032M	39.9M	36.032M	40M	36.032M	39.25M	36.082M
5550MHz_TnomVnom	Pass	Inf	40.1M	35.982M	40.05M	36.032M	39.75M	36.082M	39.3M	36.082M
5630MHz_TnomVnom	Pass	Inf	40.2M	36.082M	39.8M	36.032M	39.8M	36.032M	39.2M	36.032M
5755MHz_TnomVnom	Pass	500k	33.85M	36.032M	34M	35.882M	35.05M	35.982M	32.55M	35.882M
5795MHz_TnomVnom	Pass	500k	31.5M	36.032M	33.8M	35.982M	35M	36.032M	35.9M	35.882M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz_TnomVnom	Pass	Inf	83.7M	75.962M	83.4M	75.962M	83.9M	76.062M	83.9M	76.062M
5610MHz_TnomVnom	Pass	Inf	84M	75.862M	83.7M	75.962M	83.1M	75.762M	83.9M	75.762M
5775MHz_TnomVnom	Pass	500k	76.3M	75.862M	75.3M	75.862M	71.3M	75.762M	75M	75.862M
802.11ac VHT80+80_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz_TnomVnom	Pass	Inf	84.15M	76.012M	84.6M	76.012M	84.3M	76.012M	83.1M	75.862M

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**

5500MHz

08/12/2017

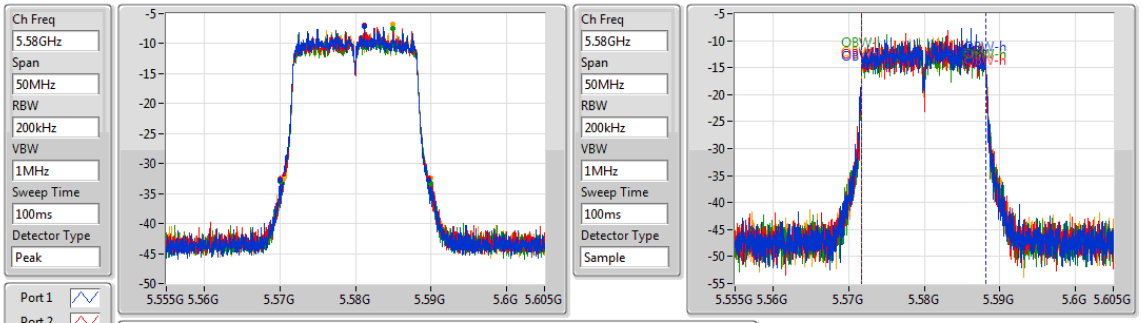


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.975M	5.489975G	5.50995G	16.442M	5.491754G	5.508196G	Inf	1
19.65M	5.4899G	5.50955G	16.442M	5.491754G	5.508196G	Inf	2
19.25M	5.49035G	5.5096G	16.392M	5.491779G	5.508171G	Inf	3
19.975M	5.49005G	5.510025G	16.442M	5.491754G	5.508196G	Inf	4

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

5580MHz

08/12/2017

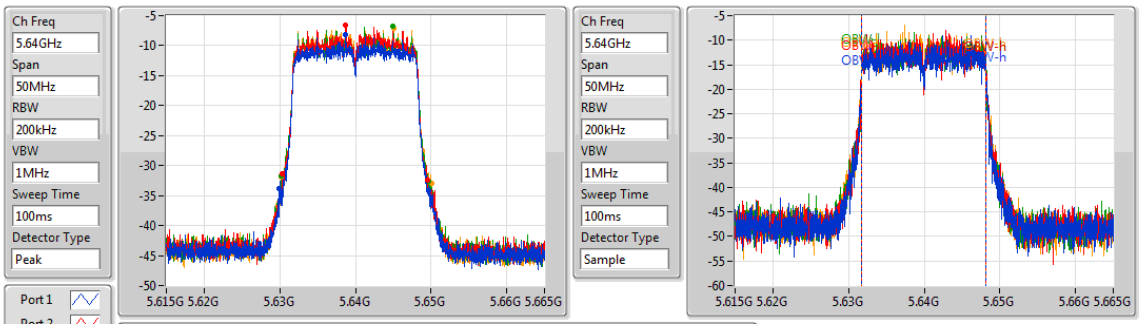


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.65M	5.569975G	5.589625G	16.442M	5.571754G	5.588196G	Inf	1
19.625M	5.57G	5.589625G	16.442M	5.571754G	5.588196G	Inf	2
19.925M	5.570075G	5.59G	16.417M	5.571779G	5.588196G	Inf	3
19.5M	5.57045G	5.58995G	16.442M	5.571754G	5.588196G	Inf	4

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

5640MHz

19/12/2017

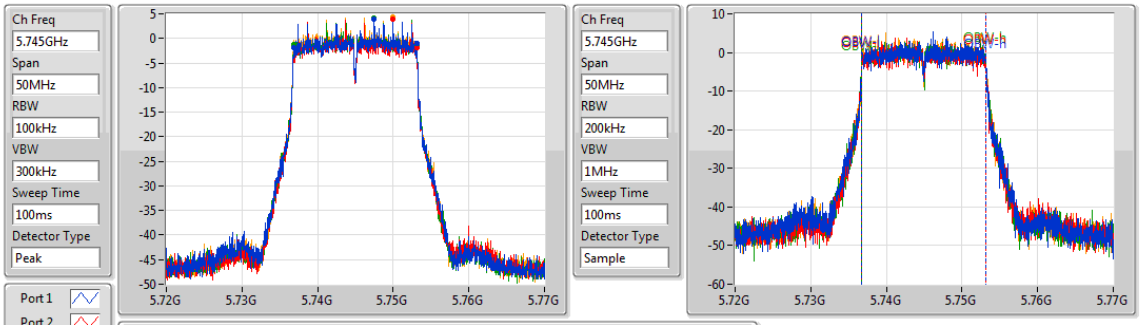


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.8M	5.629925G	5.649725G	16.467M	5.631729G	5.648196G	Inf	1
19.2M	5.630375G	5.649575G	16.417M	5.631754G	5.648171G	Inf	2
19.475M	5.630175G	5.64965G	16.417M	5.631779G	5.648196G	Inf	3
19.975M	5.63015G	5.650125G	16.417M	5.631754G	5.648171G	Inf	4

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

5745MHz

08/12/2017

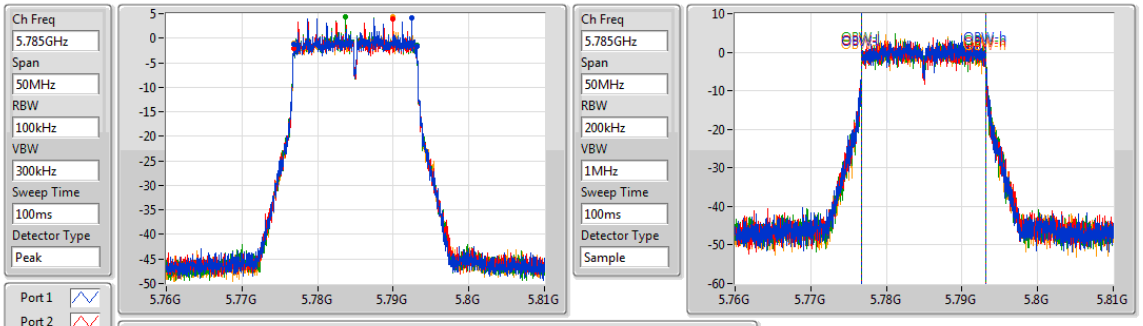


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.736825G	5.753125G	16.417M	5.736754G	5.753171G	500k	1
16.3M	5.736825G	5.753125G	16.392M	5.736779G	5.753171G	500k	2
16.3M	5.736825G	5.753125G	16.392M	5.736754G	5.753146G	500k	3
16.325M	5.7368G	5.753125G	16.417M	5.736754G	5.753171G	500k	4

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

5785MHz

08/12/2017

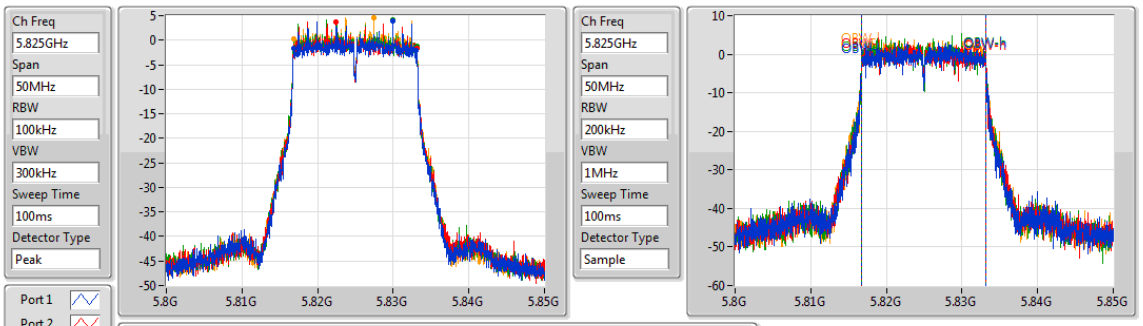


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	5.776825G	5.7931G	16.392M	5.776779G	5.793171G	500k	1
16.325M	5.7768G	5.793125G	16.417M	5.776754G	5.793171G	500k	2
16.275M	5.776825G	5.7931G	16.392M	5.776779G	5.793171G	500k	3
16.275M	5.77685G	5.793125G	16.442M	5.776754G	5.793196G	500k	4

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

5825MHz

08/12/2017

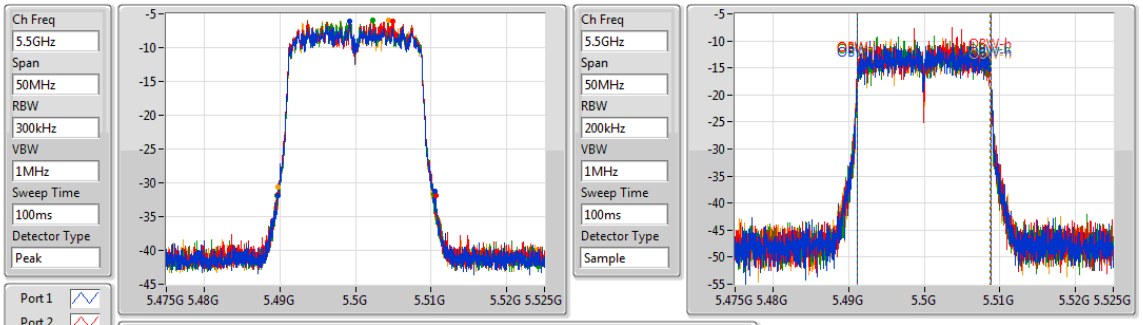


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.25M	5.816825G	5.833075G	16.392M	5.816754G	5.833146G	500k	1
16.3M	5.816825G	5.833125G	16.417M	5.816754G	5.833171G	500k	2
16.3M	5.8168G	5.8331G	16.392M	5.816754G	5.833146G	500k	3
16.3M	5.816825G	5.833125G	16.417M	5.816754G	5.833171G	500k	4

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

5500MHz

08/12/2017

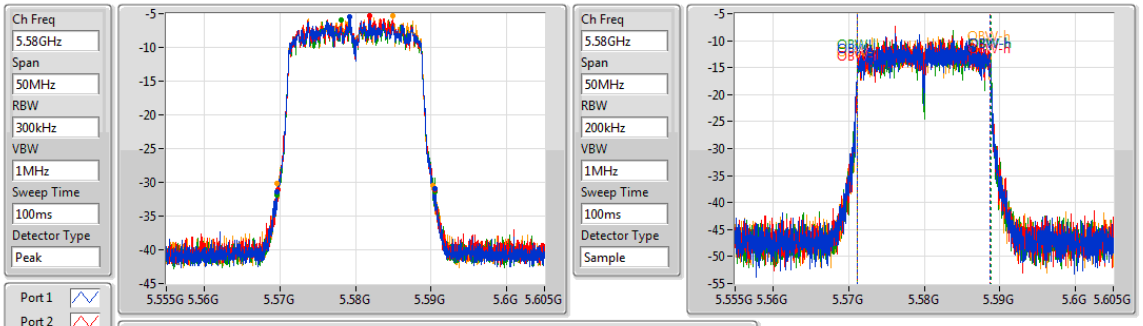


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.725M	5.48975G	5.510475G	17.641M	5.491154G	5.508796G	Inf	1
20.875M	5.489725G	5.5106G	17.641M	5.491154G	5.508796G	Inf	2
20.675M	5.489675G	5.51035G	17.616M	5.491154G	5.508771G	Inf	3
20.425M	5.489775G	5.5102G	17.641M	5.491154G	5.508796G	Inf	4

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

5580MHz

08/12/2017

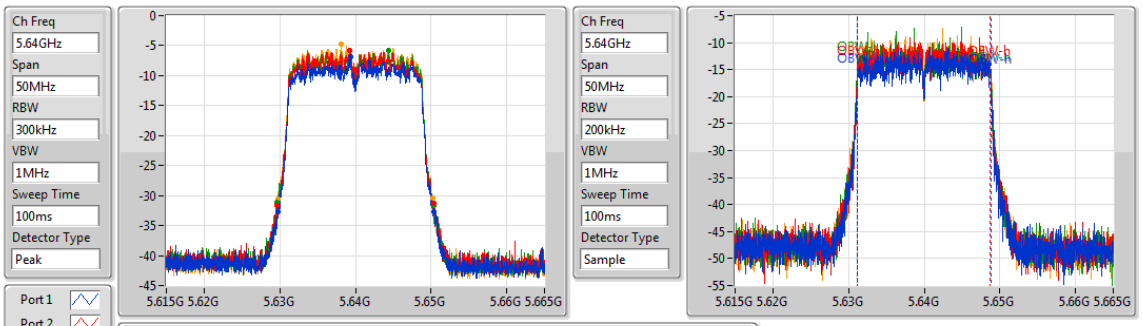


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.875M	5.569675G	5.59055G	17.616M	5.571154G	5.588771G	Inf	1
20.775M	5.569775G	5.59055G	17.591M	5.571179G	5.588771G	Inf	2
20.875M	5.5696G	5.590475G	17.641M	5.571154G	5.588796G	Inf	3
20.575M	5.56965G	5.590225G	17.591M	5.571179G	5.588771G	Inf	4

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

5640MHz

19/12/2017

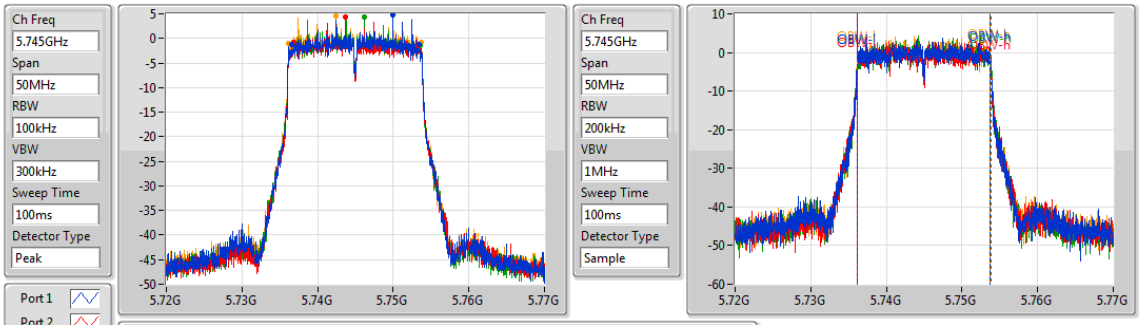


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.675M	5.62975G	5.650425G	17.641M	5.631154G	5.648796G	Inf	1
20.8M	5.629625G	5.650425G	17.591M	5.631179G	5.648771G	Inf	2
20.75M	5.6296G	5.65035G	17.616M	5.631154G	5.648771G	Inf	3
20.525M	5.629725G	5.65025G	17.616M	5.631154G	5.648771G	Inf	4

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

5745MHz

08/12/2017

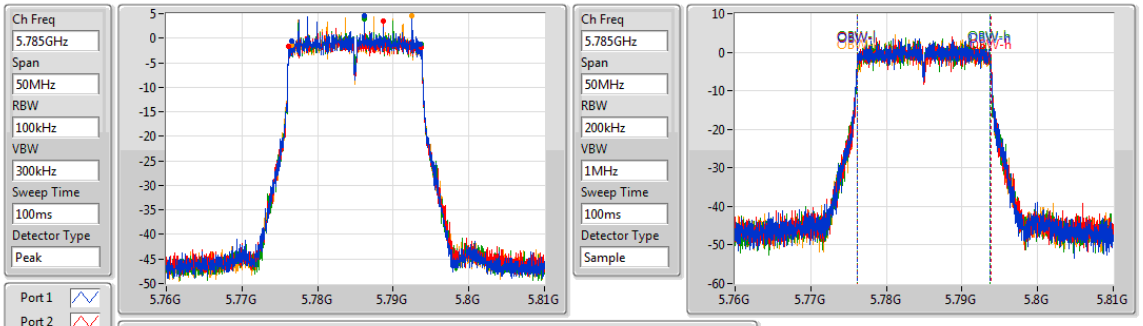


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.825M	5.736575G	5.7534G	17.591M	5.736179G	5.753771G	500k	1
16.525M	5.736825G	5.75335G	17.616M	5.736154G	5.753771G	500k	2
16.925M	5.736575G	5.7535G	17.641M	5.736154G	5.753796G	500k	3
17.525M	5.7362G	5.753725G	17.591M	5.736179G	5.753771G	500k	4

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

5785MHz

08/12/2017

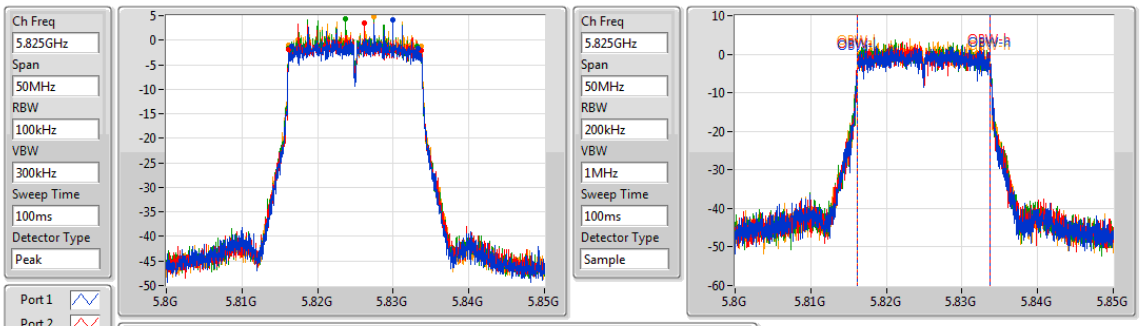


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.9M	5.7766G	5.7935G	17.616M	5.776154G	5.793771G	500k	1
17.55M	5.7762G	5.79375G	17.641M	5.776154G	5.793796G	500k	2
17.525M	5.7762G	5.793725G	17.616M	5.776154G	5.793771G	500k	3
17.175M	5.77655G	5.793725G	17.616M	5.776154G	5.793771G	500k	4

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

5825MHz

08/12/2017

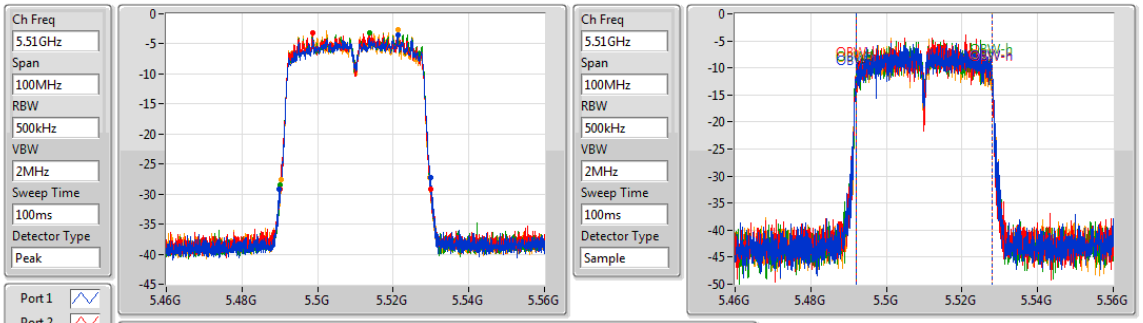


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.775M	5.816575G	5.83335G	17.641M	5.816129G	5.833771G	500k	1
17.525M	5.8162G	5.833725G	17.591M	5.816154G	5.833746G	500k	2
16.925M	5.8162G	5.833125G	17.641M	5.816129G	5.833771G	500k	3
17.525M	5.8162G	5.833725G	17.591M	5.816154G	5.833746G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX **EBW**

5510MHz

08/12/2017

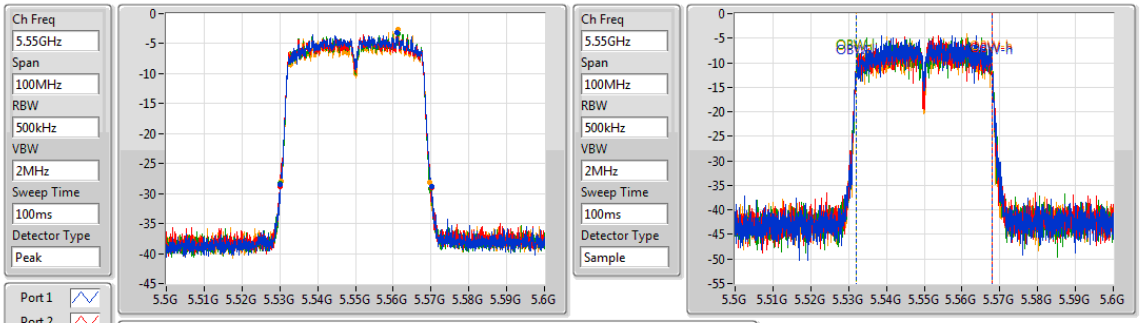


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.35M	5.4897G	5.53005G	36.032M	5.491959G	5.527991G	Inf	1
39.9M	5.4901G	5.53G	36.032M	5.491909G	5.527941G	Inf	2
40M	5.49G	5.53G	36.032M	5.491959G	5.527991G	Inf	3
39.25M	5.49035G	5.5296G	36.082M	5.491909G	5.527991G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX **EBW**

5550MHz

08/12/2017

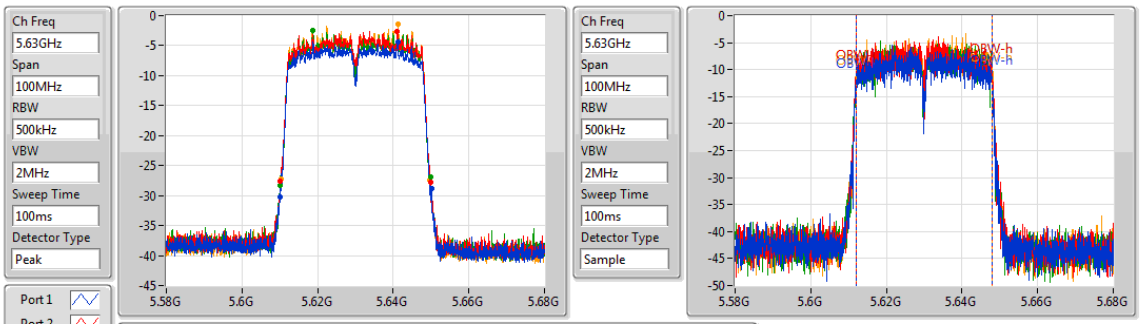


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.1M	5.53005G	5.57015G	35.982M	5.532009G	5.567991G	Inf	1
40.05M	5.5301G	5.57015G	36.032M	5.531959G	5.567991G	Inf	2
39.75M	5.53015G	5.5699G	36.082M	5.531959G	5.568041G	Inf	3
39.3M	5.5304G	5.5697G	36.082M	5.531959G	5.568041G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX **EBW**

5630MHz

19/12/2017

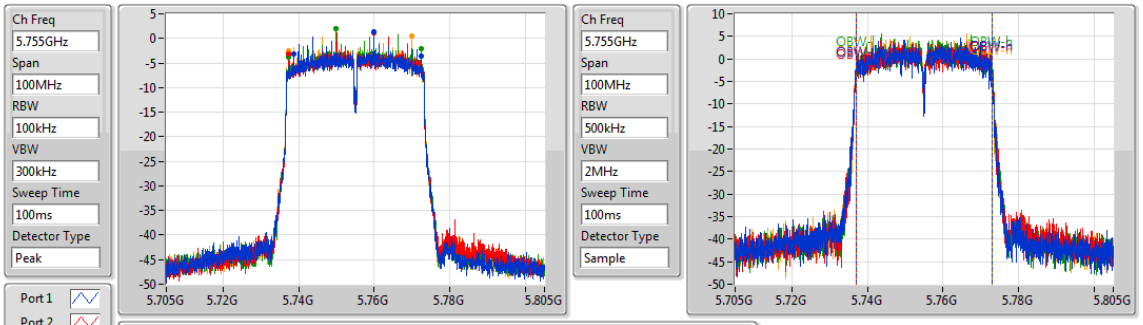


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.61G	5.6502G	36.082M	5.611909G	5.647991G	Inf	1
39.8M	5.61015G	5.64995G	36.032M	5.611959G	5.647991G	Inf	2
39.8M	5.6101G	5.6499G	36.032M	5.611959G	5.647991G	Inf	3
39.2M	5.61045G	5.64965G	36.032M	5.611959G	5.647991G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX **EBW**

5755MHz

08/12/2017

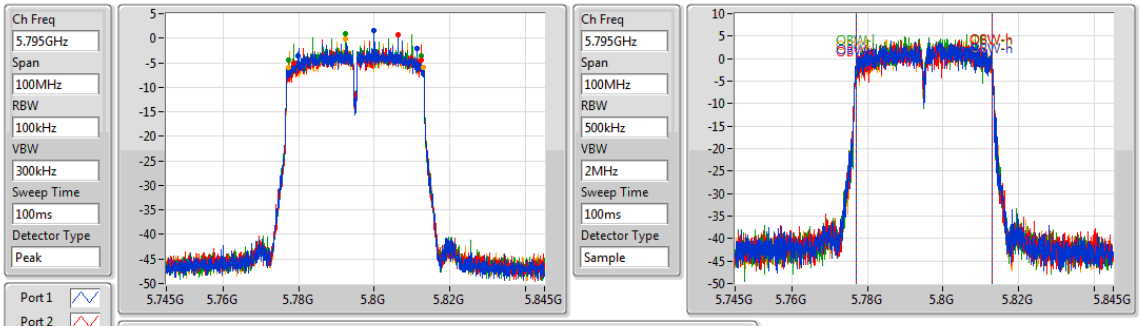


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.85M	5.73865G	5.7725G	36.032M	5.736959G	5.772991G	500k	1
34M	5.73745G	5.77145G	35.882M	5.737059G	5.772941G	500k	2
35.05M	5.7374G	5.77245G	35.982M	5.737009G	5.772991G	500k	3
32.55M	5.73745G	5.77G	35.882M	5.737009G	5.772891G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX **EBW**

5795MHz

08/12/2017

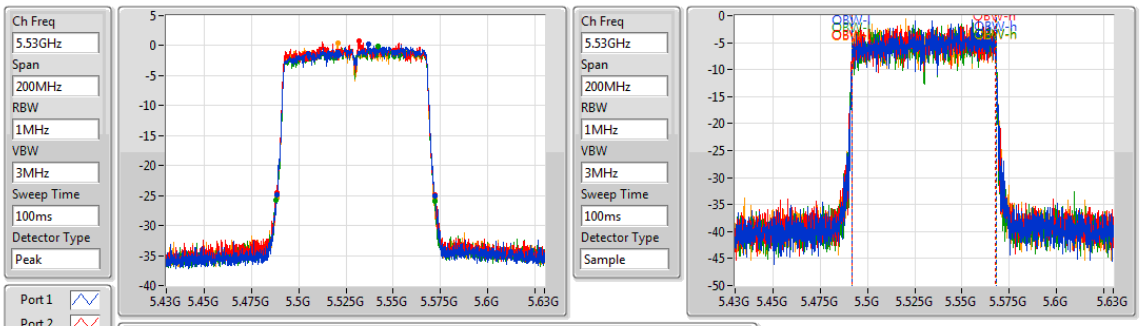


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.5M	5.77975G	5.81125G	36.032M	5.776959G	5.812991G	500k	1
33.8M	5.7787G	5.8125G	35.982M	5.777009G	5.812991G	500k	2
35M	5.7774G	5.8124G	36.032M	5.776959G	5.812991G	500k	3
35.9M	5.7772G	5.8131G	35.882M	5.777059G	5.812941G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX **EBW**

5530MHz

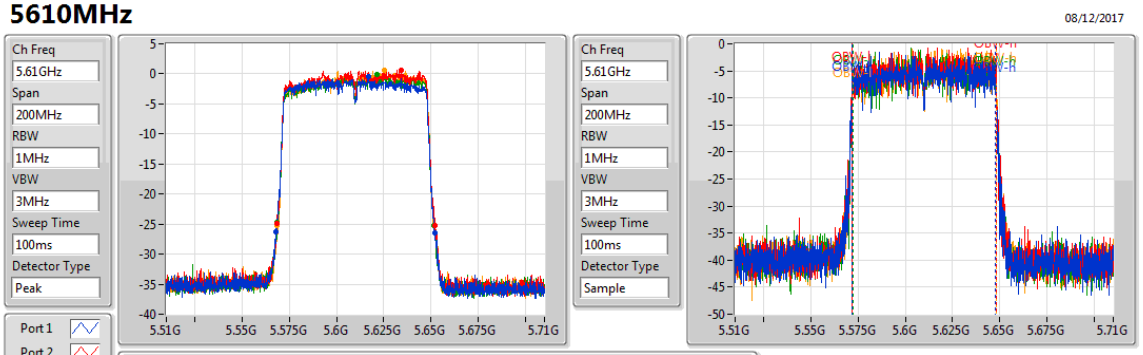
08/12/2017



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.7M	5.4883G	5.572G	75.962M	5.492019G	5.567981G	Inf	1
83.4M	5.4884G	5.5718G	75.962M	5.491919G	5.567881G	Inf	2
83.9M	5.4881G	5.572G	76.062M	5.491919G	5.567981G	Inf	3
83.9M	5.4883G	5.5722G	76.062M	5.491919G	5.567981G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX **EBW**

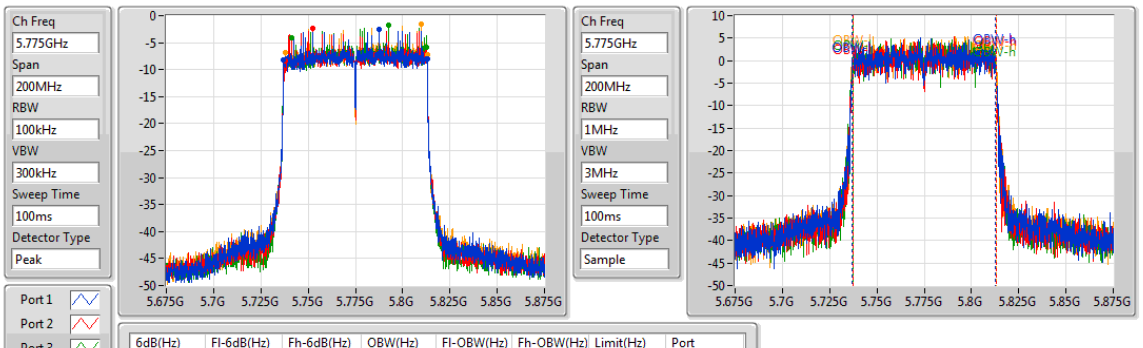
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
84M	5.5678G	5.6518G	75.862M	5.572019G	5.647881G	Inf	1
83.7M	5.5685G	5.6522G	75.962M	5.572019G	5.647981G	Inf	2
83.1M	5.5685G	5.6516G	75.762M	5.572119G	5.647881G	Inf	3
83.9M	5.5684G	5.6523G	75.762M	5.572219G	5.647981G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX **EBW**

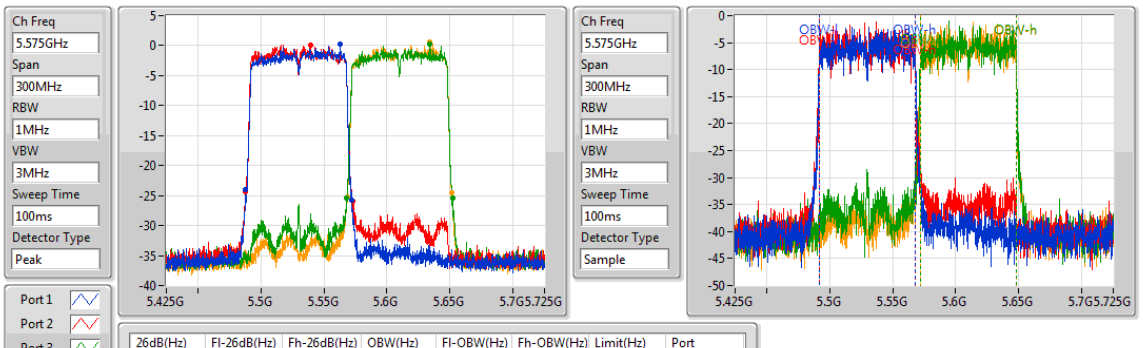
5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.3M	5.7368G	5.8131G	75.862M	5.737019G	5.812881G	500k	1
75.3M	5.7378G	5.8131G	75.862M	5.737119G	5.812981G	500k	2
71.3M	5.7412G	5.8125G	75.762M	5.737119G	5.812881G	500k	3
75M	5.7381G	5.8131G	75.862M	5.737119G	5.812981G	500k	4

802.11ac VHT80+80_Nss2,(MCS0)_4TX **EBW**

#5530MHz,#5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
84.15M	5.48785G	5.572G	76.012M	5.492091G	5.568103G	Inf	1
84.6M	5.488G	5.5726G	76.012M	5.491942G	5.567954G	Inf	2
84.3M	5.56765G	5.65195G	76.012M	5.571852G	5.647864G	Inf	3
83.1M	5.5684G	5.6515G	75.862M	5.572001G	5.647864G	Inf	4

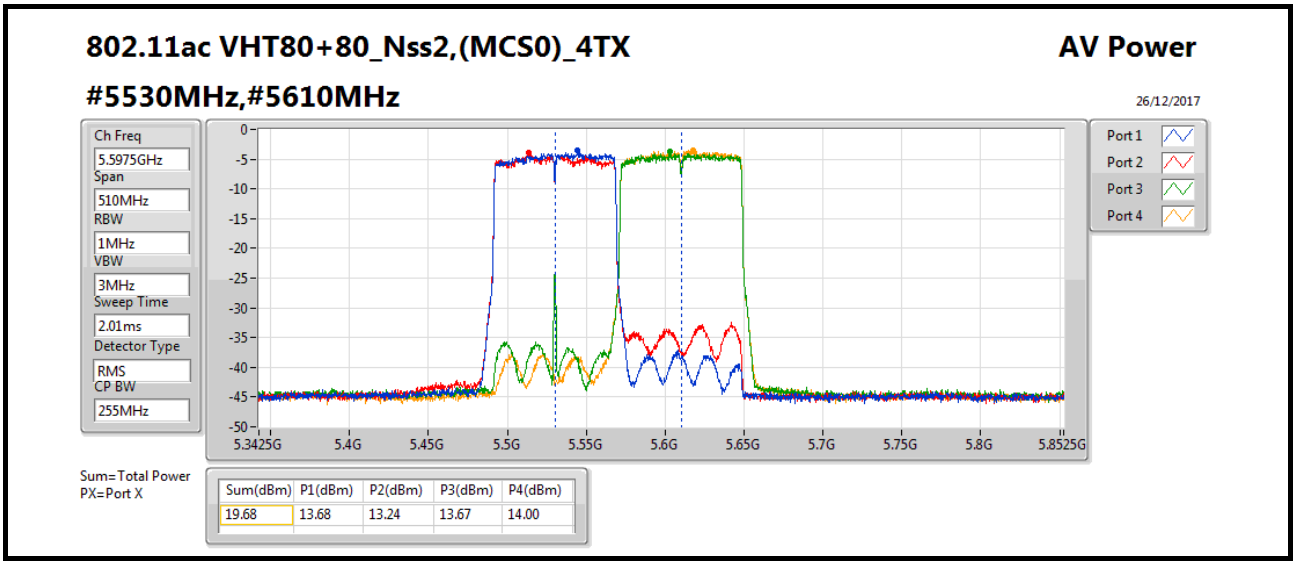
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	13.51	0.02244	23.51	0.22439
802.11ac VHT20_Nss1,(MCS0)_4TX	13.88	0.02443	23.88	0.24434
802.11ac VHT40_Nss1,(MCS0)_4TX	16.79	0.04775	26.79	0.47753
802.11ac VHT80_Nss1,(MCS0)_4TX	19.88	0.09727	29.88	0.97275
802.11ac VHT80+80_Nss2,(MCS0)_4TX	19.68	0.09290	29.68	0.92897
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	25.76	0.37670	35.76	3.76704
802.11ac VHT20_Nss1,(MCS0)_4TX	25.93	0.39174	35.93	3.91742
802.11ac VHT40_Nss1,(MCS0)_4TX	25.95	0.39355	35.95	3.93550
802.11ac VHT80_Nss1,(MCS0)_4TX	25.77	0.37757	35.77	3.77572

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	-	-	-	-	-	-	-	-	-	-
5500MHz_TnomVnom	Pass	10.00	7.20	7.09	7.68	7.37	13.36	19.84	23.36	29.84
5580MHz_TnomVnom	Pass	10.00	6.58	6.66	7.22	7.70	13.08	19.81	23.08	29.81
5640MHz_TnomVnom	Pass	10.00	6.97	7.73	7.48	7.73	13.51	19.80	23.51	29.80
5745MHz_TnomVnom	Pass	10.00	19.36	19.45	19.69	19.85	25.61	26.00	35.61	36.00
5785MHz_TnomVnom	Pass	10.00	19.77	19.78	19.29	20.08	25.76	26.00	35.76	36.00
5825MHz_TnomVnom	Pass	10.00	19.49	19.63	19.47	19.99	25.67	26.00	35.67	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz_TnomVnom	Pass	10.00	7.08	6.79	7.45	7.26	13.17	20.00	23.17	30.00
5580MHz_TnomVnom	Pass	10.00	6.94	6.88	7.63	7.95	13.39	20.00	23.39	30.00
5640MHz_TnomVnom	Pass	10.00	7.09	8.21	7.87	8.17	13.88	20.00	23.88	30.00
5745MHz_TnomVnom	Pass	10.00	19.51	19.75	20.06	20.27	25.93	26.00	35.93	36.00
5785MHz_TnomVnom	Pass	10.00	19.79	19.69	19.90	20.10	25.89	26.00	35.89	36.00
5825MHz_TnomVnom	Pass	10.00	19.44	19.42	19.58	19.90	25.61	26.00	35.61	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz_TnomVnom	Pass	10.00	10.76	10.32	11.02	10.94	16.79	20.00	26.79	30.00
5550MHz_TnomVnom	Pass	10.00	10.65	10.19	10.90	10.49	16.59	20.00	26.59	30.00
5630MHz_TnomVnom	Pass	10.00	10.07	10.69	10.81	11.06	16.69	20.00	26.69	30.00
5755MHz_TnomVnom	Pass	10.00	19.42	19.53	19.54	19.88	25.62	26.00	35.62	36.00
5795MHz_TnomVnom	Pass	10.00	19.76	19.83	19.95	20.18	25.95	26.00	35.95	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz_TnomVnom	Pass	10.00	13.82	13.46	14.16	13.98	19.88	20.00	29.88	30.00
5610MHz_TnomVnom	Pass	10.00	13.36	13.68	13.79	14.09	19.76	20.00	29.76	30.00
5775MHz_TnomVnom	Pass	10.00	19.47	19.70	19.78	20.03	25.77	26.00	35.77	36.00
802.11ac VHT80+80_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz_TnomVnom	Pass	10.00	13.68	13.24	13.67	14.00	19.68	20.00	29.68	30.00

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


802.11ac VHT80+80_Nss2,(MCS0)_4TX
AV Power
#5530MHz,#5610MHz
26/12/2017
Ch Freq
5.5975GHz
Span
510MHz
RBW
1MHz
VBW
3MHz
Sweep Time
2.01ms
Detector Type
RMS
CP BW
255MHz
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
5.3425G
5.4G
5.45G
5.5G
5.55G
5.6G
5.65G
5.7G
5.75G
5.8G
5.8525G
Port 1
Port 2
Port 3
Port 4
Sum=Total Power
PX=Port X
Sum(dBm) P1(dBm) P2(dBm) P3(dBm) P4(dBm)
19.68 13.68 13.24 13.67 14.00

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	8.55	0.00716	23.55	0.22646
802.11ac VHT20_Nss1,(MCS0)_4TX	8.57	0.00719	23.57	0.22751
802.11ac VHT40_Nss1,(MCS0)_4TX	11.81	0.01517	26.81	0.47973
802.11ac VHT80_Nss1,(MCS0)_4TX	14.91	0.03097	29.91	0.97949
802.11ac VHT80+80_Nss2,(MCS0)_4TX	14.66	0.02924	29.66	0.92470
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.93	0.12388	35.93	3.91742
802.11ac VHT20_Nss1,(MCS0)_4TX	20.98	0.12531	35.98	3.96278
802.11ac VHT40_Nss1,(MCS0)_4TX	20.79	0.11995	35.79	3.79315
802.11ac VHT80_Nss1,(MCS0)_4TX	20.77	0.11940	35.77	3.77572

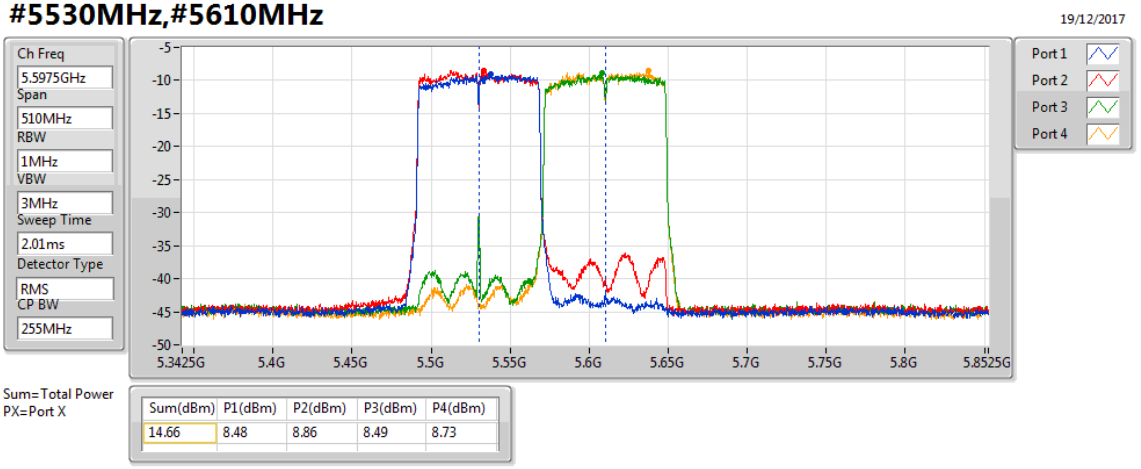
Result

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	-	-	-	-	-	-	-	-	-	-
5500MHz_TnomVnom	Pass	15.00	2.44	2.34	2.58	2.46	8.48	14.84	23.48	29.84
5580MHz_TnomVnom	Pass	15.00	2.16	2.21	1.96	2.03	8.11	14.90	23.11	29.90
5640MHz_TnomVnom	Pass	15.00	1.66	2.77	2.67	2.92	8.55	14.83	23.55	29.83
5745MHz_TnomVnom	Pass	15.00	14.72	14.28	14.79	14.97	20.72	21.00	35.72	36.00
5785MHz_TnomVnom	Pass	15.00	14.79	14.63	14.82	14.57	20.72	21.00	35.72	36.00
5825MHz_TnomVnom	Pass	15.00	14.26	14.84	15.13	15.35	20.93	21.00	35.93	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz_TnomVnom	Pass	15.00	2.08	2.39	2.34	2.26	8.29	15.00	23.29	30.00
5580MHz_TnomVnom	Pass	15.00	2.57	2.77	2.30	2.53	8.57	15.00	23.57	30.00
5640MHz_TnomVnom	Pass	15.00	1.30	2.48	2.54	2.84	8.35	15.00	23.35	30.00
5745MHz_TnomVnom	Pass	15.00	14.99	14.66	15.02	14.72	20.87	21.00	35.87	36.00
5785MHz_TnomVnom	Pass	15.00	15.17	14.61	15.16	14.86	20.98	21.00	35.98	36.00
5825MHz_TnomVnom	Pass	15.00	14.23	14.60	15.01	15.29	20.82	21.00	35.82	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz_TnomVnom	Pass	15.00	5.52	5.83	5.70	5.18	11.58	15.00	26.58	30.00
5550MHz_TnomVnom	Pass	15.00	5.94	5.60	5.53	4.93	11.54	15.00	26.54	30.00
5630MHz_TnomVnom	Pass	15.00	4.94	6.25	5.85	5.99	11.81	15.00	26.81	30.00
5755MHz_TnomVnom	Pass	15.00	14.32	14.41	14.71	14.87	20.60	21.00	35.60	36.00
5795MHz_TnomVnom	Pass	15.00	14.81	14.60	15.07	14.60	20.79	21.00	35.79	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz_TnomVnom	Pass	15.00	9.01	9.08	8.68	8.76	14.91	15.00	29.91	30.00
5610MHz_TnomVnom	Pass	15.00	8.32	9.26	8.47	8.89	14.77	15.00	29.77	30.00
5775MHz_TnomVnom	Pass	15.00	14.62	14.57	14.81	14.99	20.77	21.00	35.77	36.00
802.11ac VHT80+80_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz_TnomVnom	Pass	15.00	8.48	8.86	8.49	8.73	14.66	15.00	29.66	30.00

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

802.11ac VHT80+80_Nss2,(MCS0)_4TX **AV Power**

#5530MHz,#5610MHz



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.66	8.48	8.86	8.49	8.73

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	0.95	16.97
802.11ac VHT20_Nss1,(MCS0)_4TX	0.96	16.98
802.11ac VHT40_Nss1,(MCS0)_4TX	0.96	16.98
802.11ac VHT80_Nss1,(MCS0)_4TX	0.40	16.42
802.11ac VHT80+80_Nss2,(MCS0)_4TX	-2.53	10.48
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	11.61	27.63
802.11ac VHT20_Nss1,(MCS0)_4TX	11.62	27.64
802.11ac VHT40_Nss1,(MCS0)_4TX	8.69	24.71
802.11ac VHT80_Nss1,(MCS0)_4TX	4.83	20.85

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

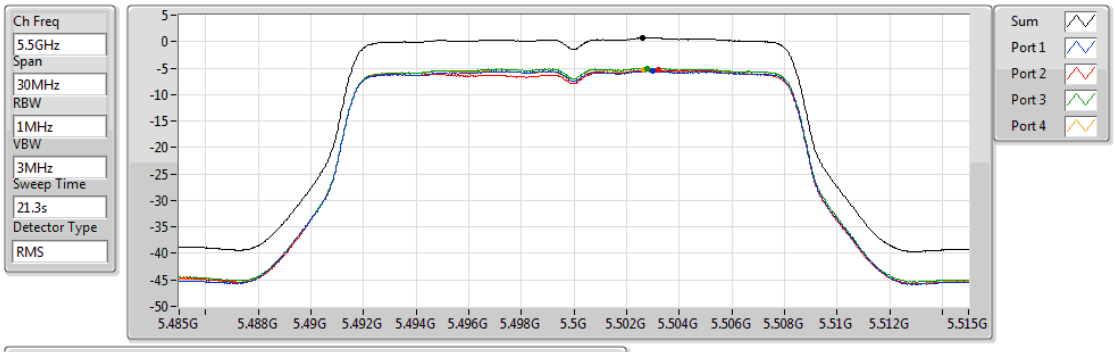
Result

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	-	-	-	-	-	-	-	-	-	-
5500MHz_TnomVnom	Pass	16.02	-5.52	-5.31	-5.02	-5.30	0.67	0.98	16.69	17.00
5580MHz_TnomVnom	Pass	16.02	-6.19	-5.63	-5.49	-5.00	0.43	0.98	16.45	17.00
5640MHz_TnomVnom	Pass	16.02	-5.72	-3.61	-5.22	-5.01	0.95	0.98	16.97	17.00
5745MHz_TnomVnom	Pass	16.02	4.98	5.22	5.48	5.49	11.20	19.98	27.22	36.00
5785MHz_TnomVnom	Pass	16.02	5.61	5.32	5.86	5.76	11.61	19.98	27.63	36.00
5825MHz_TnomVnom	Pass	16.02	5.17	5.36	5.20	5.55	11.28	19.98	27.30	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz_TnomVnom	Pass	16.02	-5.62	-5.13	-4.84	-5.10	0.40	0.98	16.42	17.00
5580MHz_TnomVnom	Pass	16.02	-5.61	-4.91	-4.72	-4.59	0.65	0.98	16.67	17.00
5640MHz_TnomVnom	Pass	16.02	-5.18	-3.78	-4.93	-4.35	0.96	0.98	16.98	17.00
5745MHz_TnomVnom	Pass	16.02	5.66	6.06	6.01	6.41	11.50	19.98	27.52	36.00
5785MHz_TnomVnom	Pass	16.02	5.87	5.82	5.91	6.02	11.62	19.98	27.64	36.00
5825MHz_TnomVnom	Pass	16.02	5.24	5.38	5.34	5.66	11.09	19.98	27.11	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz_TnomVnom	Pass	16.02	-5.15	-5.19	-4.82	-4.91	0.96	0.98	16.98	17.00
5550MHz_TnomVnom	Pass	16.02	-5.27	-5.35	-5.06	-5.23	0.72	0.98	16.74	17.00
5630MHz_TnomVnom	Pass	16.02	-5.86	-4.88	-5.12	-4.86	0.76	0.98	16.78	17.00
5755MHz_TnomVnom	Pass	16.02	1.92	2.21	2.17	2.58	8.14	19.98	24.16	36.00
5795MHz_TnomVnom	Pass	16.02	2.52	2.80	2.67	2.96	8.69	19.98	24.71	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz_TnomVnom	Pass	16.02	-5.50	-5.68	-5.39	-5.44	0.40	0.98	16.42	17.00
5610MHz_TnomVnom	Pass	16.02	-5.85	-5.22	-5.68	-5.08	0.37	0.98	16.39	17.00
5775MHz_TnomVnom	Pass	16.02	-1.24	-1.02	-0.85	-0.90	4.83	19.98	20.85	36.00
802.11ac VHT80+80_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz_TnomVnom	Pass	13.01	-5.66	-5.60	-5.73	-5.29	-2.53	3.99	10.48	17.00

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

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

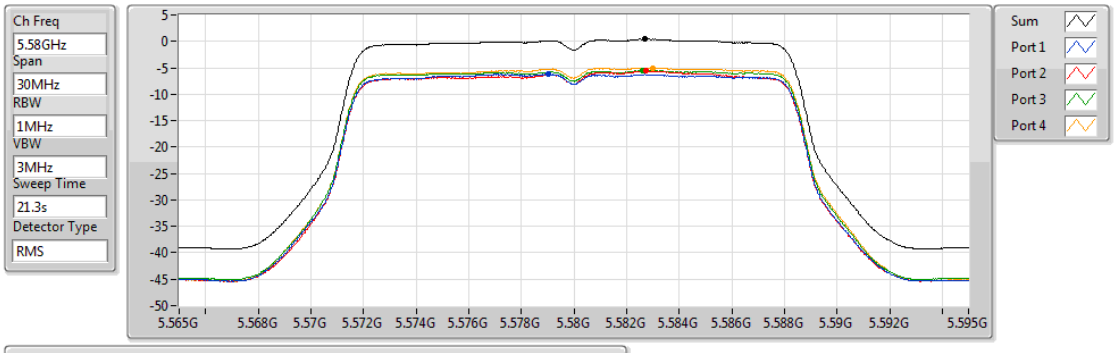
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.67	0.67	-5.52	-5.31	-5.02	-5.30

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

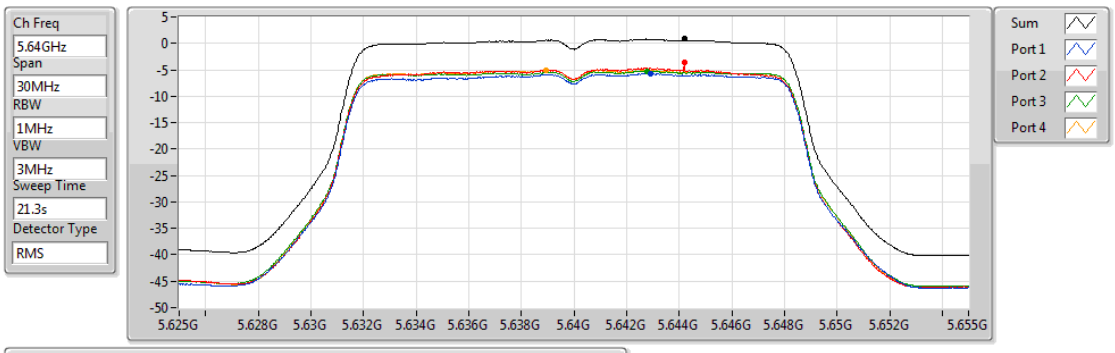
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.43	0.43	-6.19	-5.63	-5.49	-5.00

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

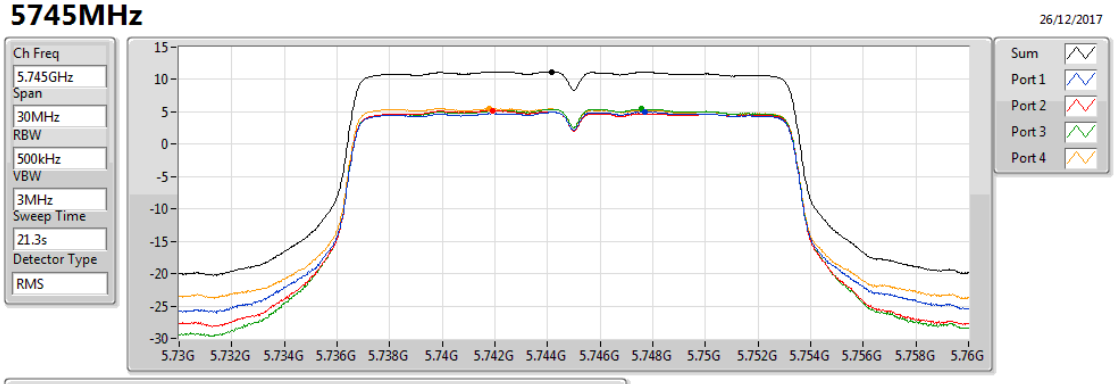
5640MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.95	0.95	-5.72	-3.61	-5.22	-5.01

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

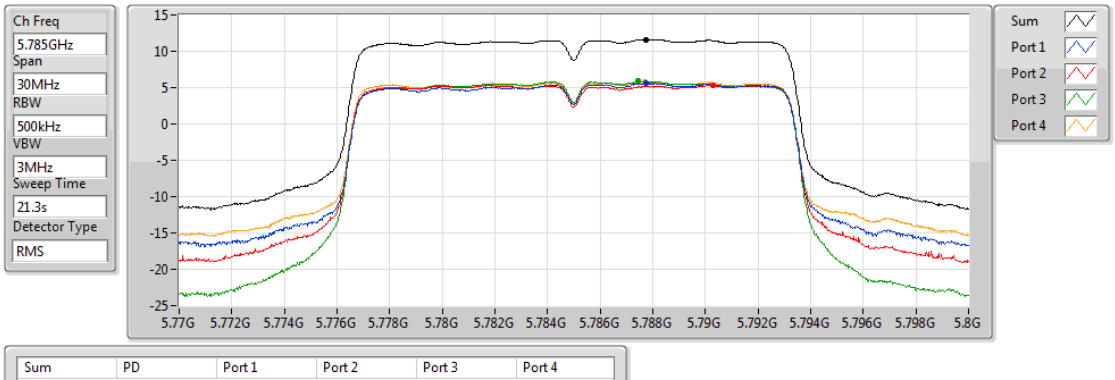
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.20	11.20	4.98	5.22	5.48	5.49

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

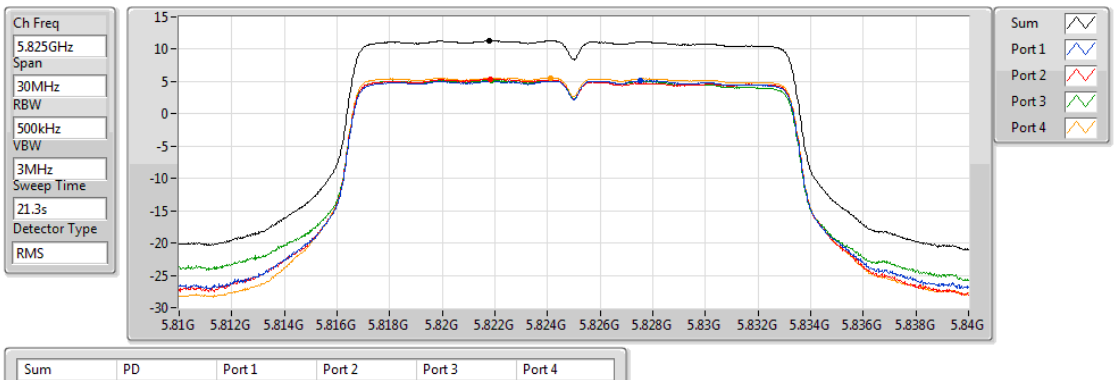
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.61	11.61	5.61	5.32	5.86	5.76

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

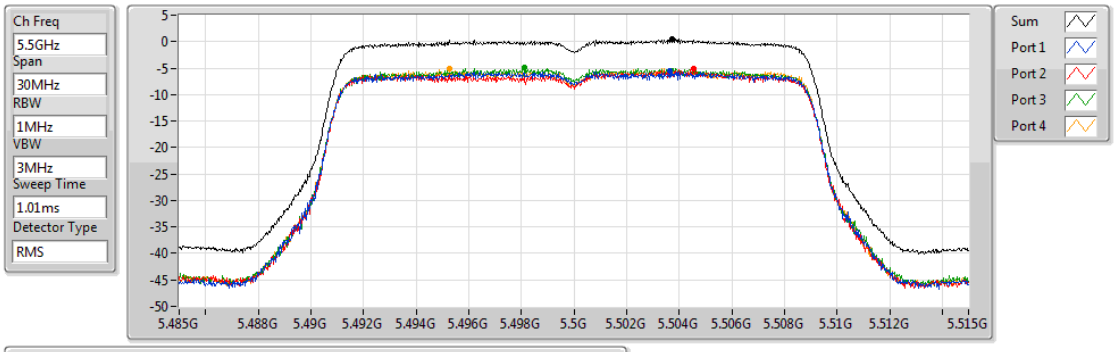
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.28	11.28	5.17	5.36	5.20	5.55

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

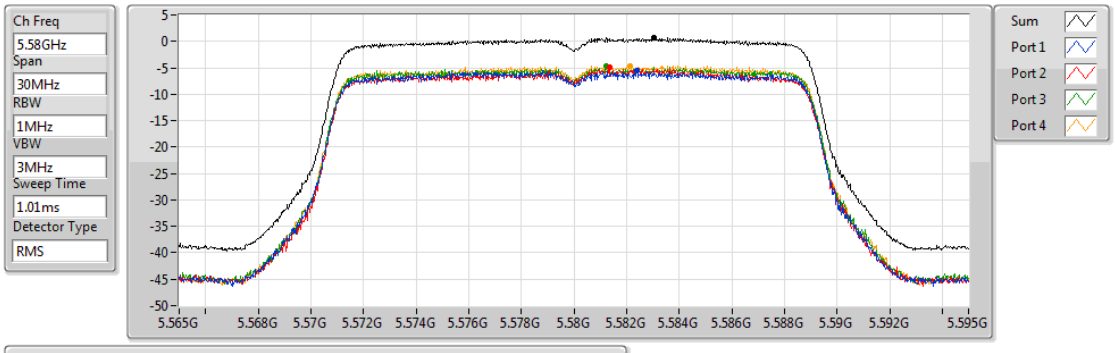
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.40	0.40	-5.62	-5.13	-4.84	-5.10

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

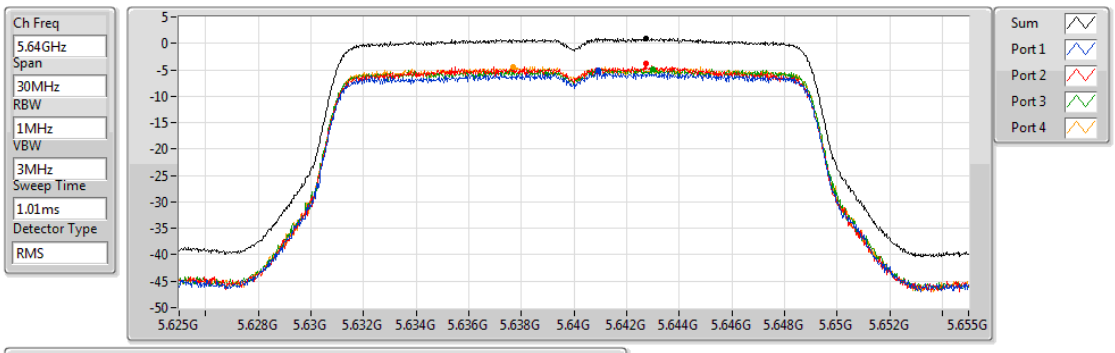
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.65	0.65	-5.61	-4.91	-4.72	-4.59

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

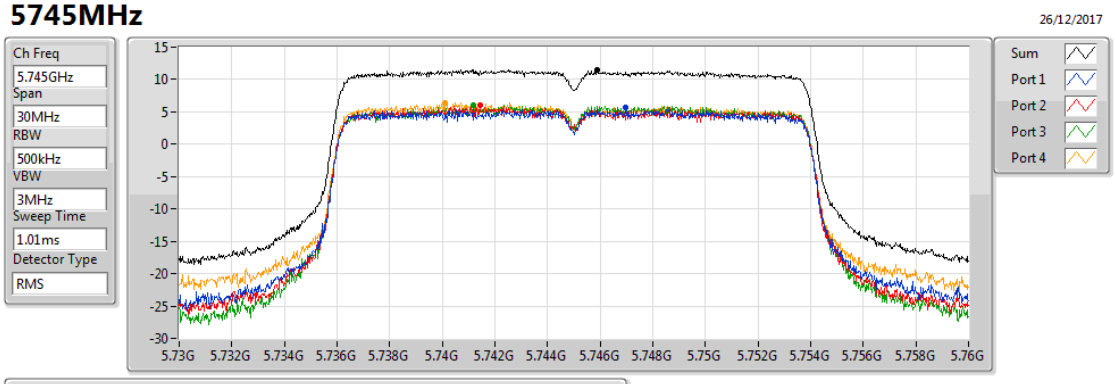
5640MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.96	0.96	-5.18	-3.78	-4.93	-4.35

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

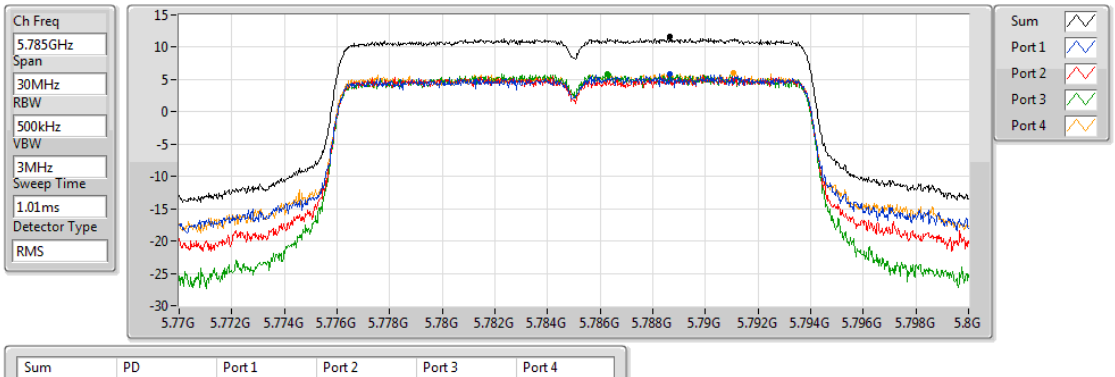
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.50	11.50	5.66	6.06	6.01	6.41

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

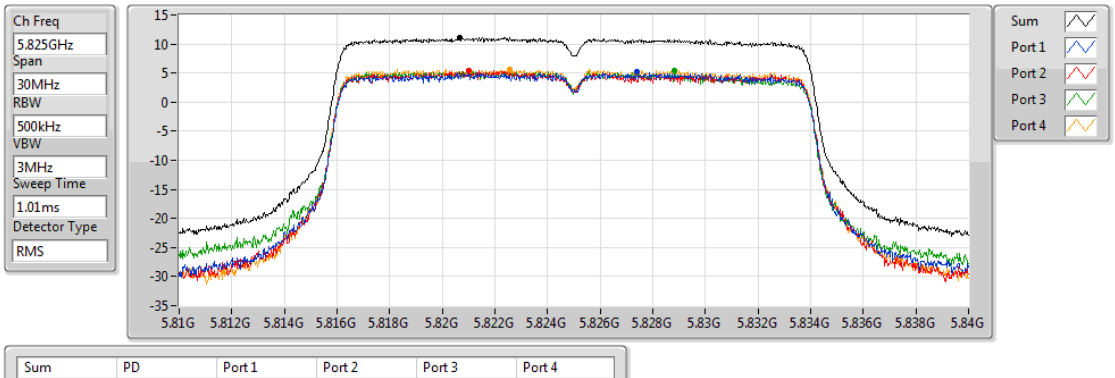
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.62	11.62	5.87	5.82	5.91	6.02

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

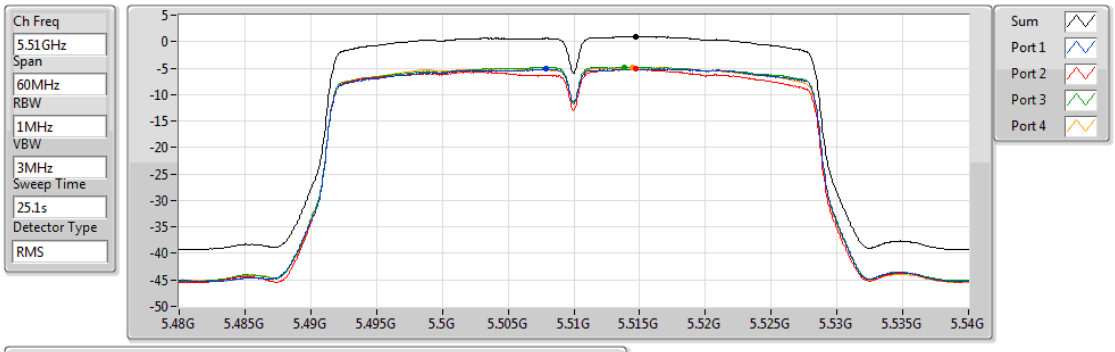
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.09	11.09	5.24	5.38	5.34	5.66

802.11ac VHT40_Nss1,(MCS0)_4TX **PSD**

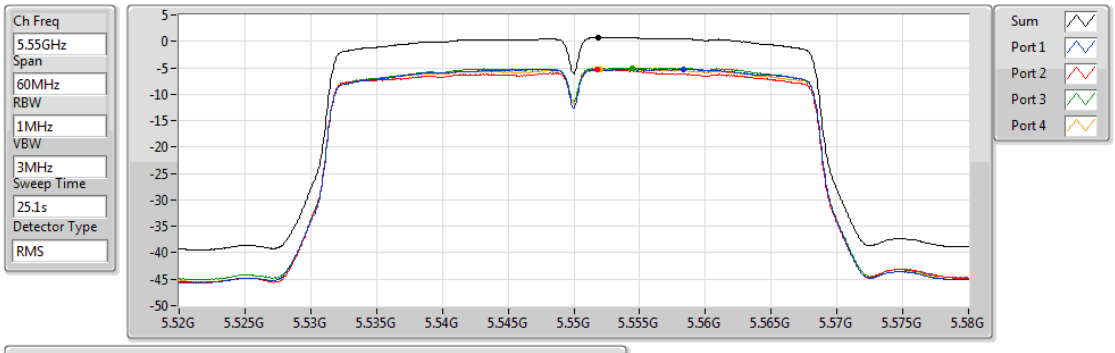
5510MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.96	0.96	-5.15	-5.19	-4.82	-4.91

802.11ac VHT40_Nss1,(MCS0)_4TX **PSD**

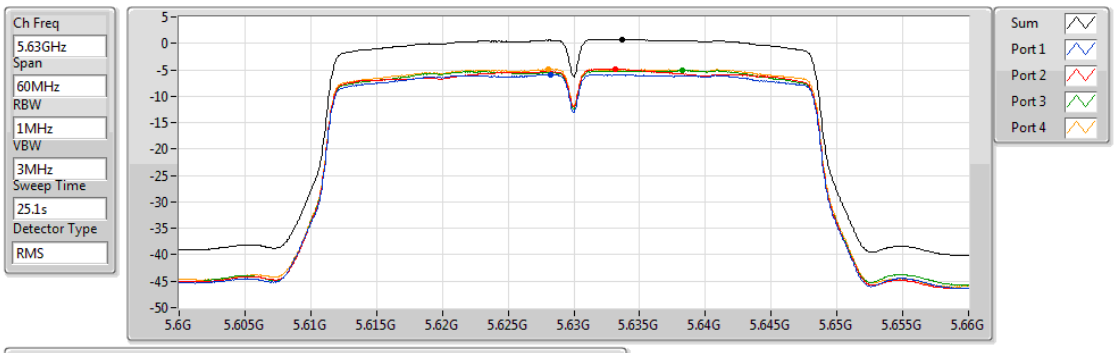
5550MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.72	0.72	-5.27	-5.35	-5.06	-5.23

802.11ac VHT40_Nss1,(MCS0)_4TX **PSD**

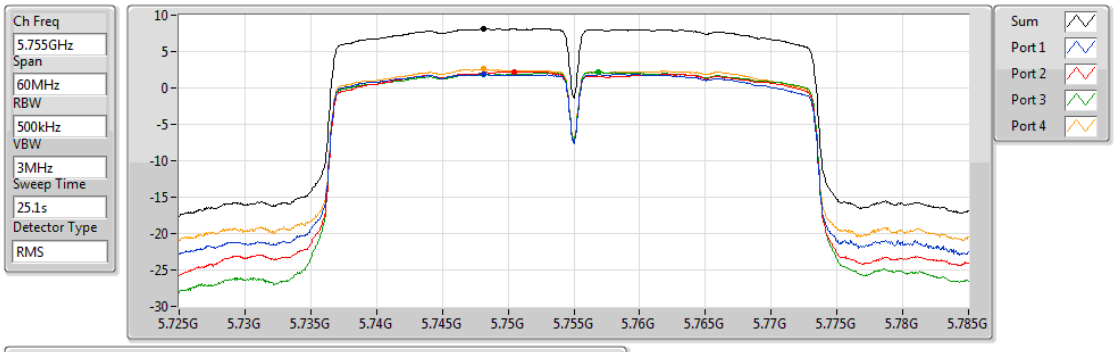
5630MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.76	0.76	-5.86	-4.88	-5.12	-4.86

802.11ac VHT40_Nss1,(MCS0)_4TX **PSD**

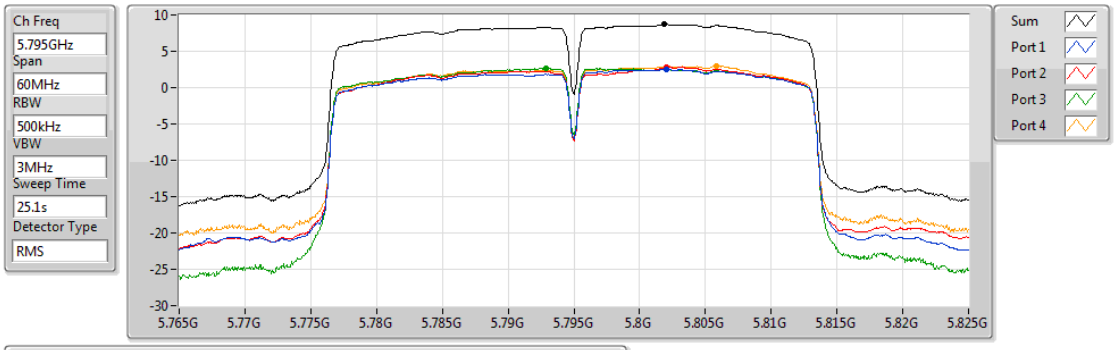
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.14	8.14	1.92	2.21	2.17	2.58

802.11ac VHT40_Nss1,(MCS0)_4TX **PSD**

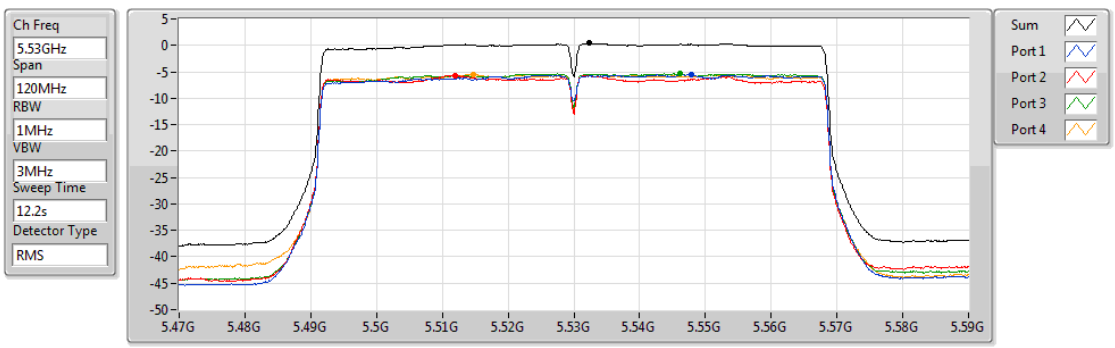
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.69	8.69	2.52	2.80	2.67	2.96

802.11ac VHT80_Nss1,(MCS0)_4TX **PSD**

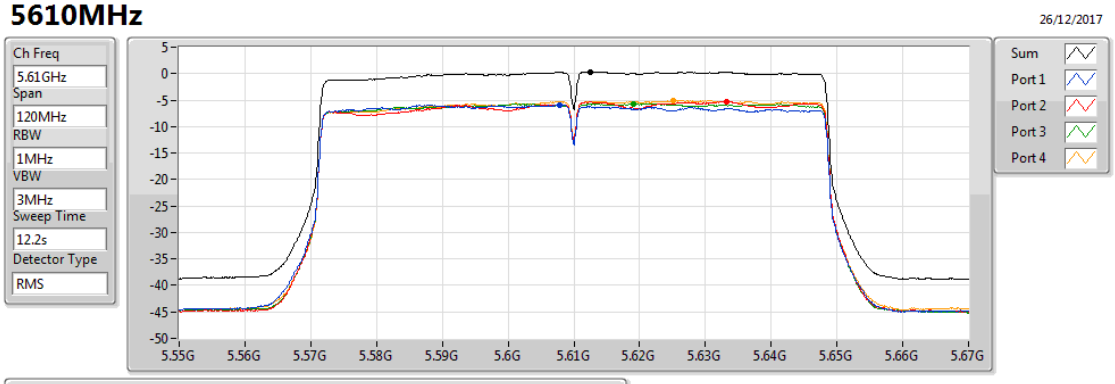
5530MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.40	0.40	-5.50	-5.68	-5.39	-5.44

802.11ac VHT80_Nss1,(MCS0)_4TX **PSD**

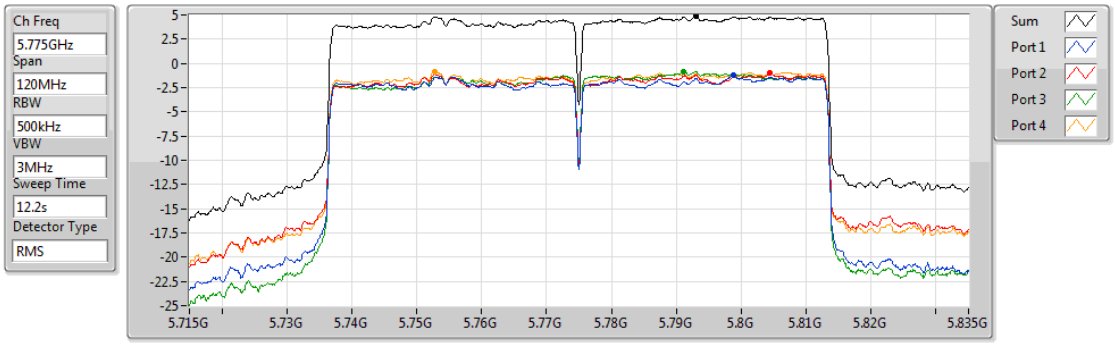
5610MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.37	0.37	-5.85	-5.22	-5.68	-5.08

802.11ac VHT80_Nss1,(MCS0)_4TX **PSD**

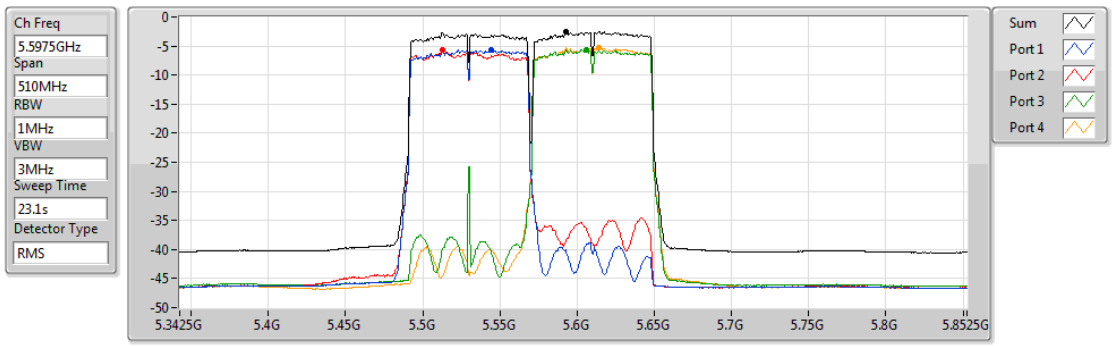
5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.83	4.83	-1.24	-1.02	-0.85	-0.90

802.11ac VHT80+80_Nss2,(MCS0)_4TX **PSD**

#5530MHz,#5610MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.53	-2.53	-5.66	-5.60	-5.73	-5.29

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	-4.19	16.83
802.11ac VHT20_Nss1,(MCS0)_4TX	-4.07	16.95
802.11ac VHT40_Nss1,(MCS0)_4TX	-4.15	16.87
802.11ac VHT80_Nss1,(MCS0)_4TX	-4.30	16.72
802.11ac VHT80+80_Nss2,(MCS0)_4TX	-7.65	10.36
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	7.74	28.76
802.11ac VHT20_Nss1,(MCS0)_4TX	6.94	27.96
802.11ac VHT40_Nss1,(MCS0)_4TX	3.60	24.62
802.11ac VHT80_Nss1,(MCS0)_4TX	0.23	21.25

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

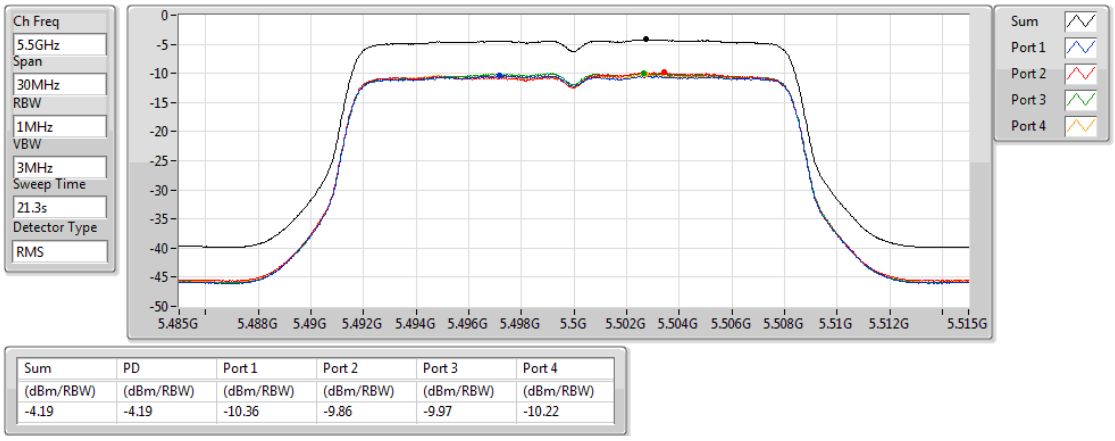
Result

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	-	-	-	-	-	-	-	-	-	-
5500MHz_TnomVnom	Pass	21.02	-10.36	-9.86	-9.97	-10.22	-4.19	-4.02	16.83	17.00
5580MHz_TnomVnom	Pass	21.02	-10.29	-9.83	-10.53	-9.87	-4.19	-4.02	16.83	17.00
5640MHz_TnomVnom	Pass	21.02	-11.17	-9.70	-10.10	-9.67	-4.23	-4.02	16.79	17.00
5745MHz_TnomVnom	Pass	21.02	1.80	1.47	1.74	2.18	7.74	14.98	28.76	36.00
5785MHz_TnomVnom	Pass	21.02	0.79	0.60	0.82	0.45	6.57	14.98	27.59	36.00
5825MHz_TnomVnom	Pass	21.02	0.36	0.88	1.05	1.34	6.88	14.98	27.90	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz_TnomVnom	Pass	21.02	-10.50	-9.82	-10.14	-10.29	-4.59	-4.02	16.43	17.00
5580MHz_TnomVnom	Pass	21.02	-9.86	-9.24	-9.92	-9.69	-4.07	-4.02	16.95	17.00
5640MHz_TnomVnom	Pass	21.02	-11.18	-9.91	-10.03	-9.64	-4.31	-4.02	16.71	17.00
5745MHz_TnomVnom	Pass	21.02	1.14	0.94	1.51	1.96	6.94	14.98	27.96	36.00
5785MHz_TnomVnom	Pass	21.02	1.35	0.94	1.30	1.16	6.77	14.98	27.79	36.00
5825MHz_TnomVnom	Pass	21.02	0.61	0.87	1.43	1.60	6.72	14.98	27.74	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz_TnomVnom	Pass	21.02	-10.41	-9.85	-10.25	-10.60	-4.32	-4.02	16.70	17.00
5550MHz_TnomVnom	Pass	21.02	-9.95	-9.85	-10.50	-10.84	-4.34	-4.02	16.68	17.00
5630MHz_TnomVnom	Pass	21.02	-11.09	-9.36	-10.13	-9.80	-4.15	-4.02	16.87	17.00
5755MHz_TnomVnom	Pass	21.02	-2.85	-2.60	-2.40	-2.39	3.39	14.98	24.41	36.00
5795MHz_TnomVnom	Pass	21.02	-2.41	-2.46	-2.08	-2.45	3.60	14.98	24.62	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz_TnomVnom	Pass	21.02	-9.99	-9.78	-10.69	-10.52	-4.40	-4.02	16.62	17.00
5610MHz_TnomVnom	Pass	21.02	-10.70	-9.59	-10.57	-9.90	-4.30	-4.02	16.72	17.00
5775MHz_TnomVnom	Pass	21.02	-5.94	-5.87	-5.48	-5.40	0.23	14.98	21.25	36.00
802.11ac VHT80+80_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz_TnomVnom	Pass	18.01	-10.82	-10.09	-10.89	-10.59	-7.65	-1.01	10.36	17.00

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

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

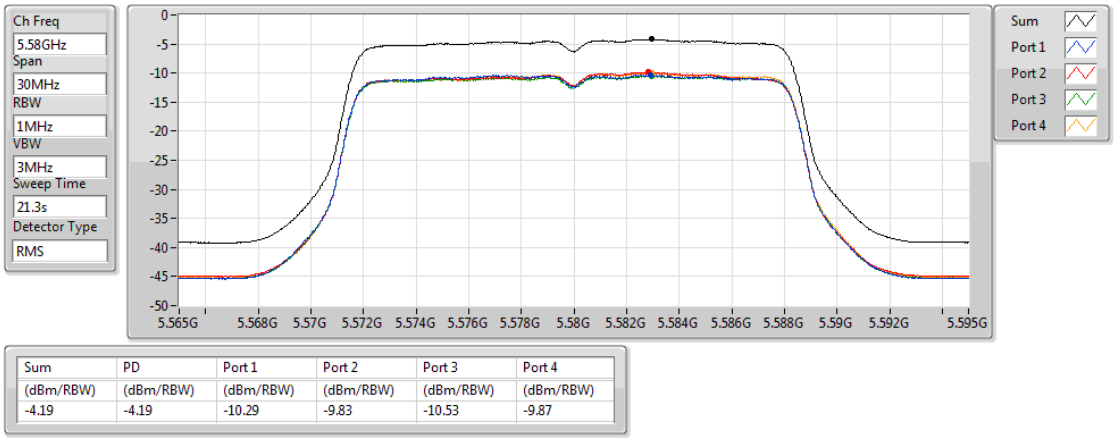
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.19	-4.19	-10.36	-9.86	-9.97	-10.22

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

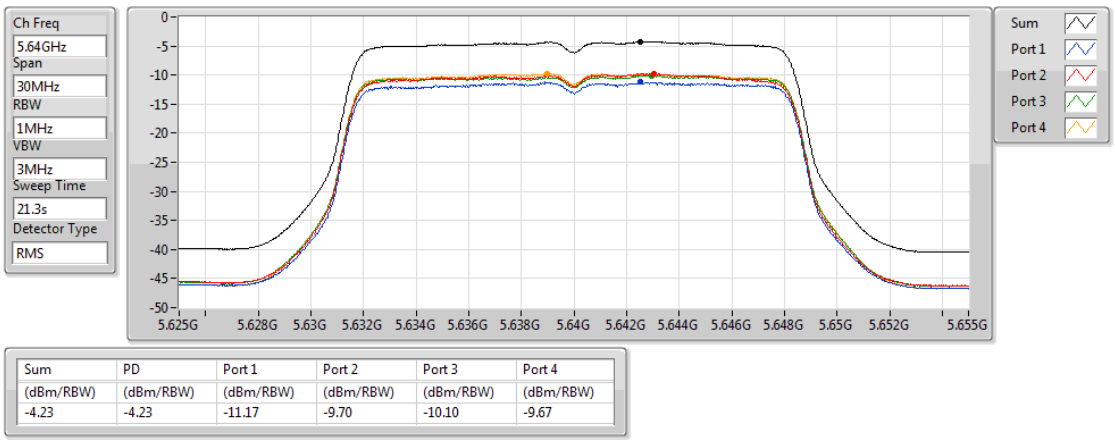
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.19	-4.19	-10.29	-9.83	-10.53	-9.87

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

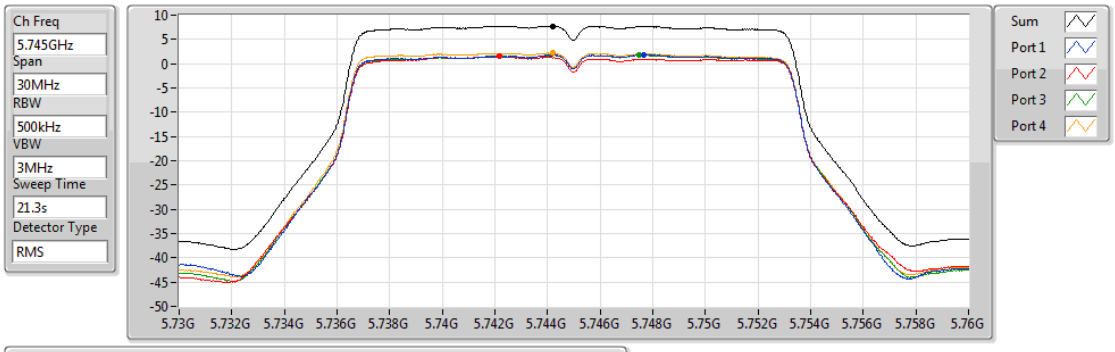
5640MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.23	-4.23	-11.17	-9.70	-10.10	-9.67

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

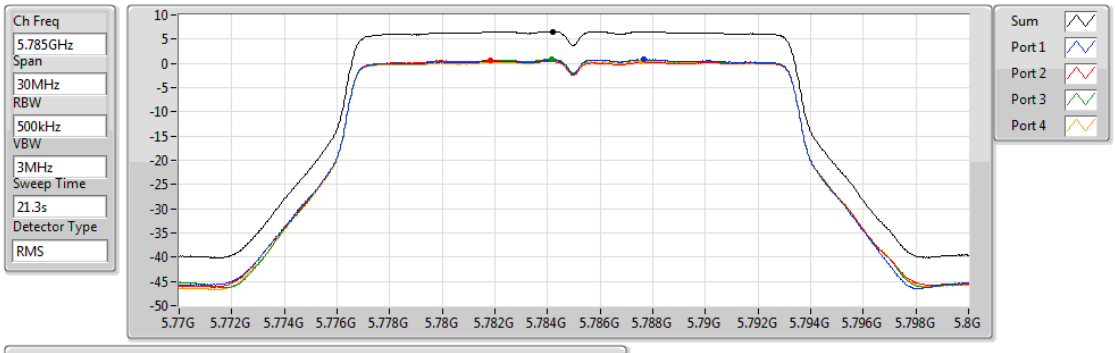
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.74	7.74	1.80	1.47	1.74	2.18

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

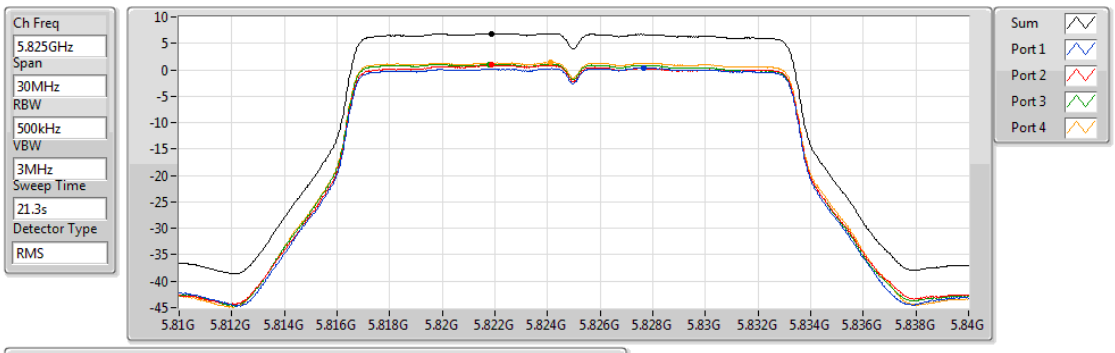
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.57	6.57	0.79	0.60	0.82	0.45

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

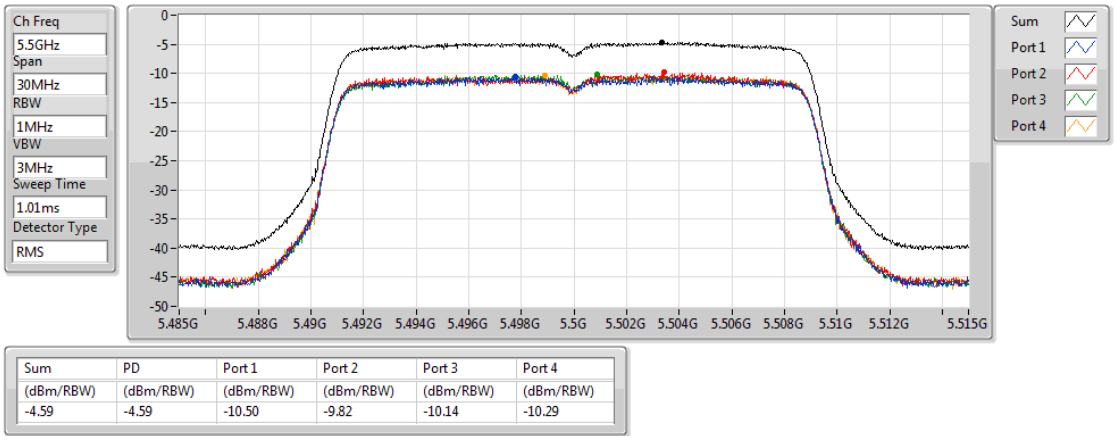
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.88	6.88	0.36	0.88	1.05	1.34

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

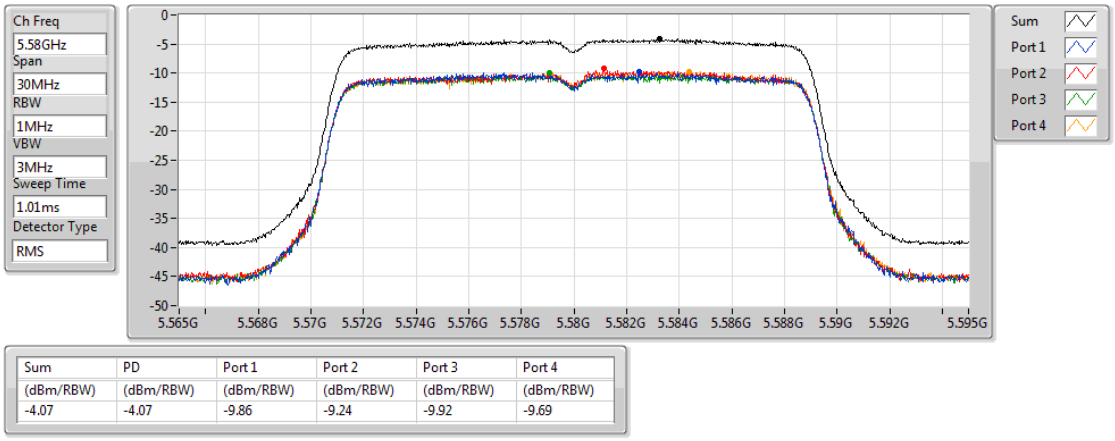
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.59	-4.59	-10.50	-9.82	-10.14	-10.29

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

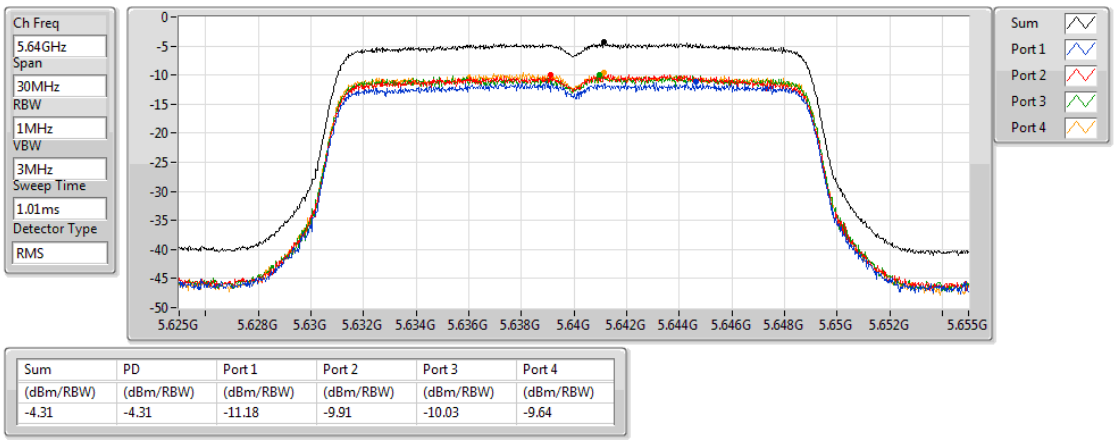
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.07	-4.07	-9.86	-9.24	-9.92	-9.69

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

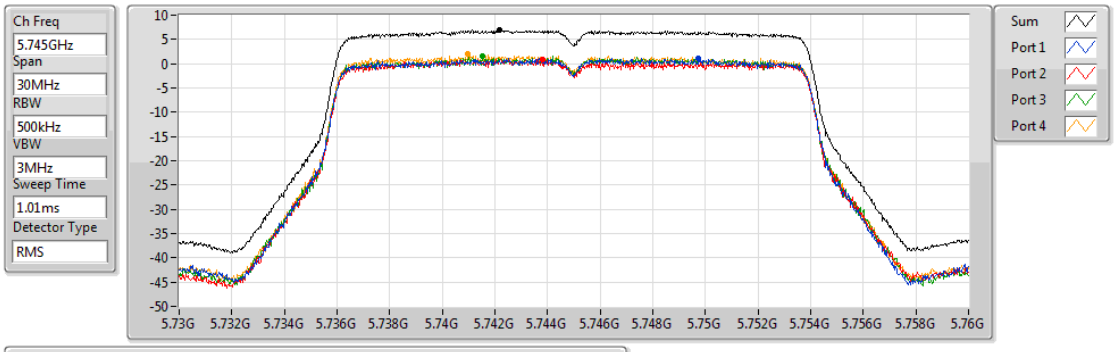
5640MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.31	-4.31	-11.18	-9.91	-10.03	-9.64

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

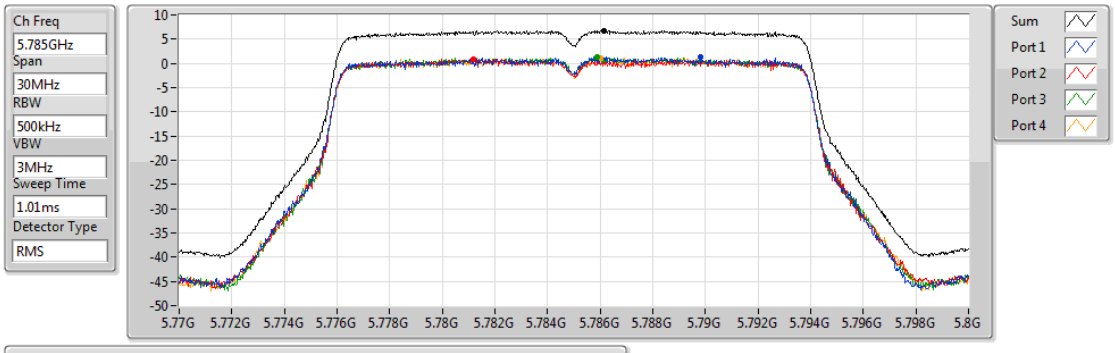
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.94	6.94	1.14	0.94	1.51	1.96

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

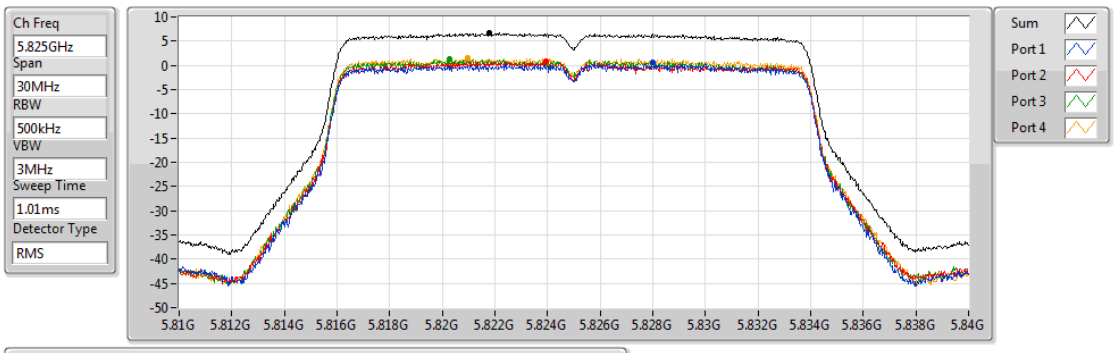
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.77	6.77	1.35	0.94	1.30	1.16

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

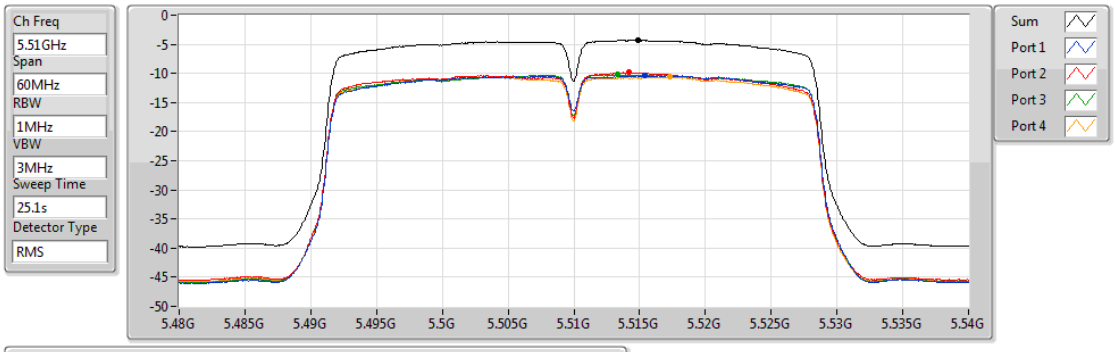
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.72	6.72	0.61	0.87	1.43	1.60

802.11ac VHT40_Nss1,(MCS0)_4TX **PSD**

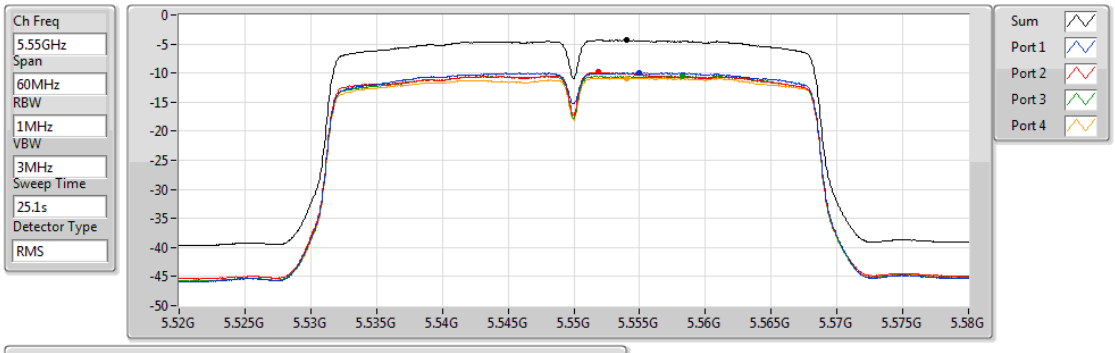
5510MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.32	-4.32	-10.41	-9.85	-10.25	-10.60

802.11ac VHT40_Nss1,(MCS0)_4TX **PSD**

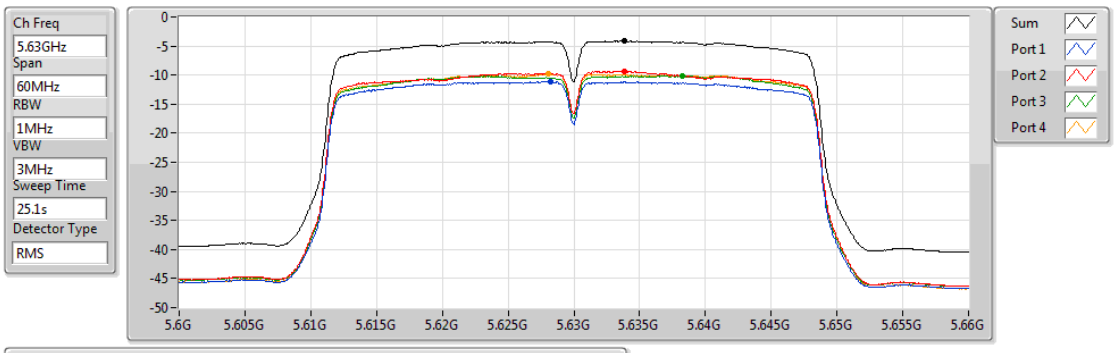
5550MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.34	-4.34	-9.95	-9.85	-10.50	-10.84

802.11ac VHT40_Nss1,(MCS0)_4TX **PSD**

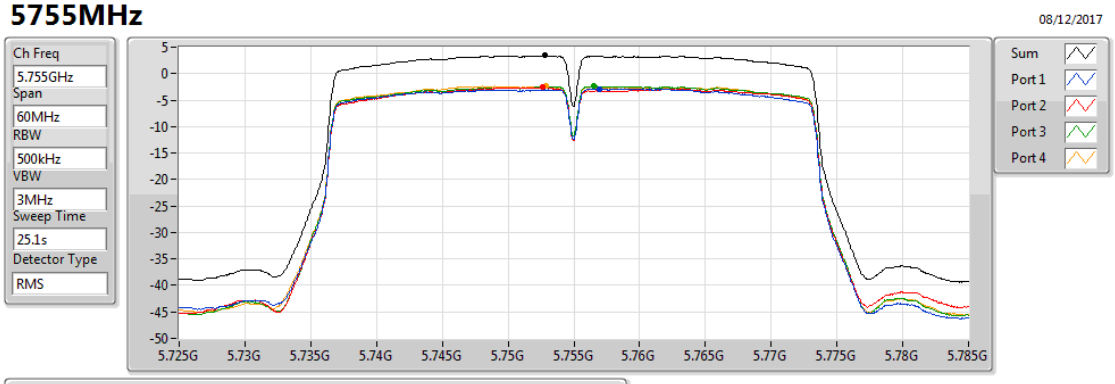
5630MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.15	-4.15	-11.09	-9.36	-10.13	-9.80

802.11ac VHT40_Nss1,(MCS0)_4TX **PSD**

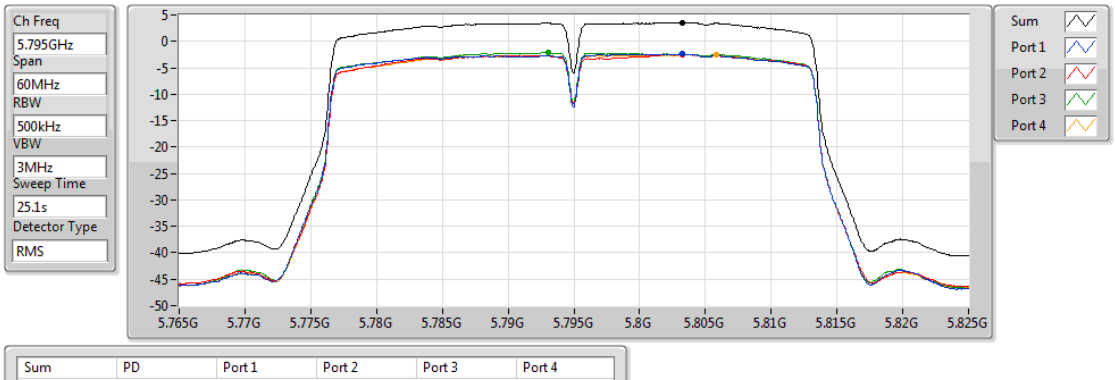
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.39	3.39	-2.85	-2.60	-2.40	-2.39

802.11ac VHT40_Nss1,(MCS0)_4TX **PSD**

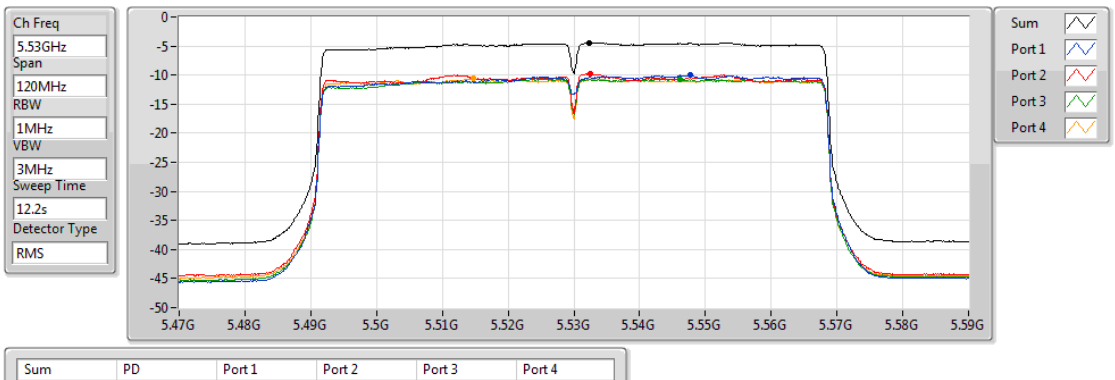
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.60	3.60	-2.41	-2.46	-2.08	-2.45

802.11ac VHT80_Nss1,(MCS0)_4TX **PSD**

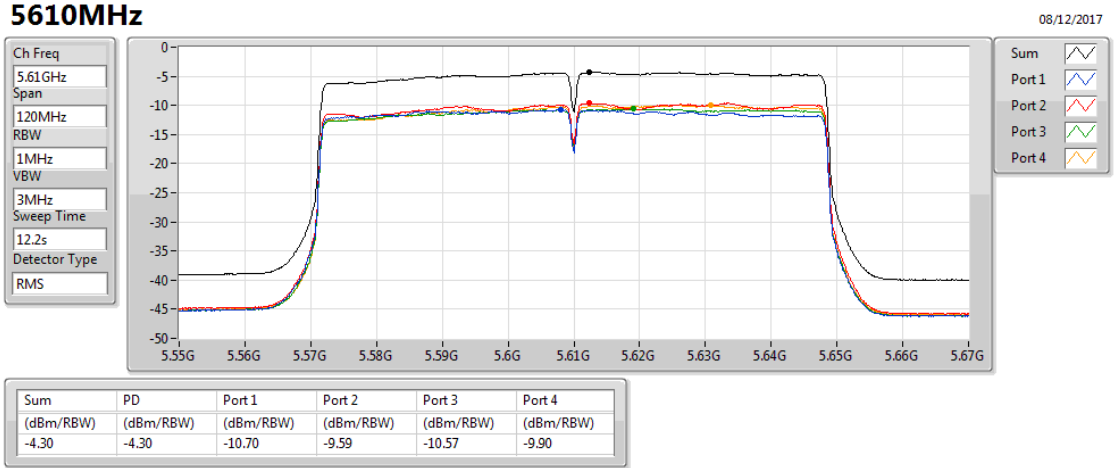
5530MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.40	-4.40	-9.99	-9.78	-10.69	-10.52

802.11ac VHT80_Nss1,(MCS0)_4TX **PSD**

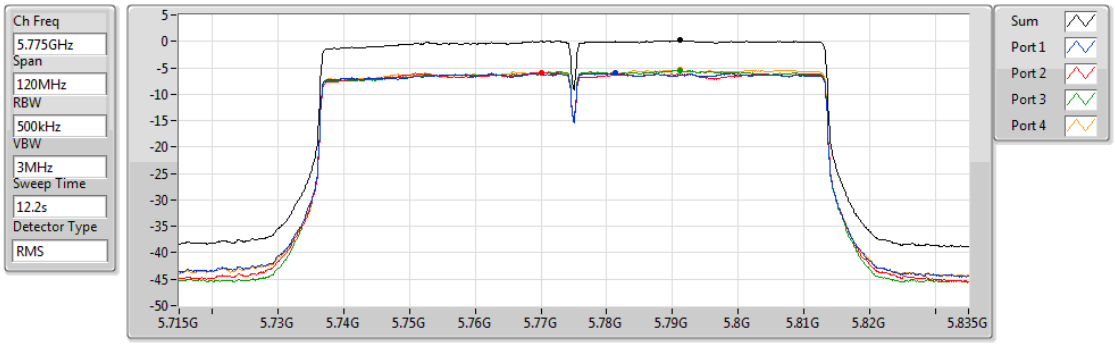
5610MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.30	-4.30	-10.70	-9.59	-10.57	-9.90

802.11ac VHT80_Nss1,(MCS0)_4TX **PSD**

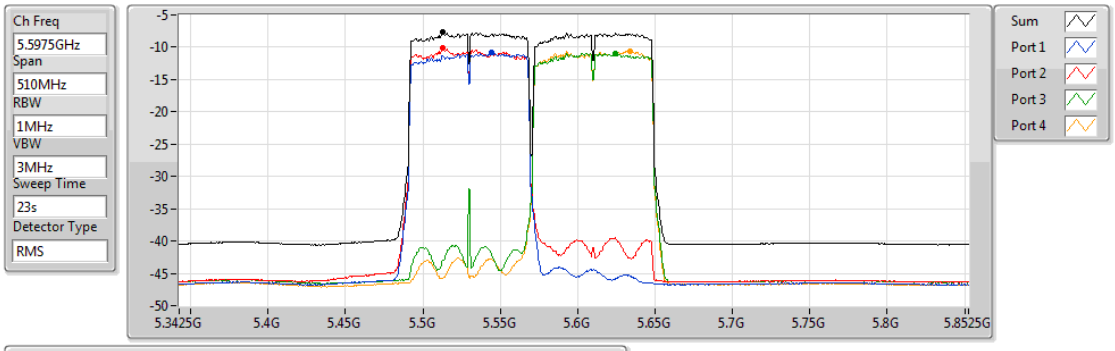
5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.23	0.23	-5.94	-5.87	-5.48	-5.40

802.11ac VHT80+80_Nss2,(MCS0)_4TX **PSD**

#5530MHz,#5610MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.65	-7.65	-10.82	-10.09	-10.89	-10.59

Summary

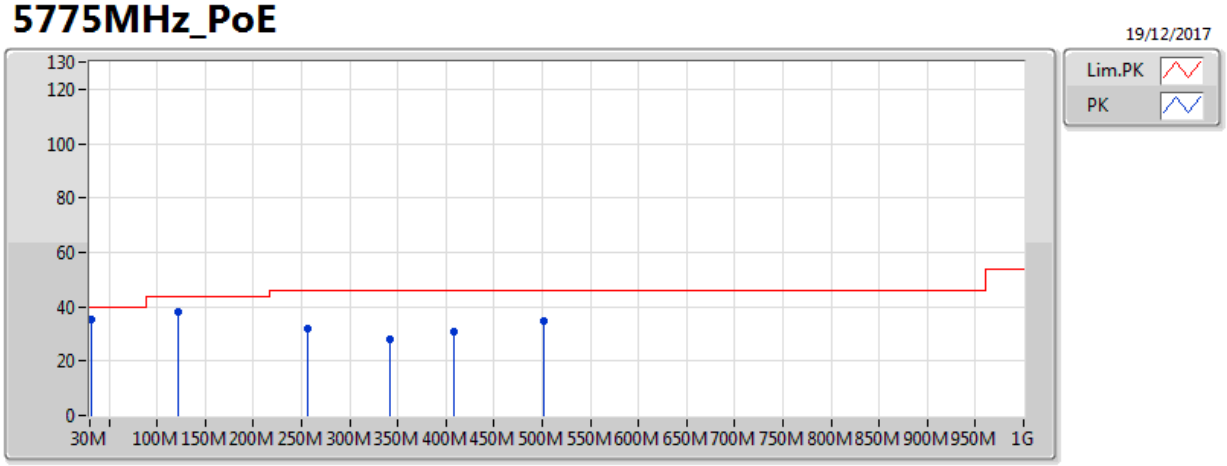
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	PK	243.4M	41.81	46.00	-4.19	-7.26	3	Horizontal	360	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	70.74M	27.09	40.00	-12.91	-14.05	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	123.12M	36.83	43.50	-6.67	-7.85	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	243.4M	41.81	46.00	-4.19	-7.26	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	483.96M	31.45	46.00	-14.55	-1.75	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	646.92M	29.33	46.00	-16.67	0.23	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	778.84M	29.65	46.00	-16.35	1.78	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	31.94M	35.41	40.00	-4.59	-3.57	3	Vertical	0	1.00	-
5775MHz	Pass	PK	121.18M	38.03	43.50	-5.47	-7.89	3	Vertical	0	1.00	-
5775MHz	Pass	PK	256.98M	31.93	46.00	-14.07	-5.86	3	Vertical	0	1.00	-
5775MHz	Pass	PK	342.34M	28.25	46.00	-17.75	-4.94	3	Vertical	0	1.00	-
5775MHz	Pass	PK	408.3M	30.71	46.00	-15.29	-3.01	3	Vertical	0	1.00	-
5775MHz	Pass	PK	501.42M	34.75	46.00	-11.25	-1.73	3	Vertical	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_4TX

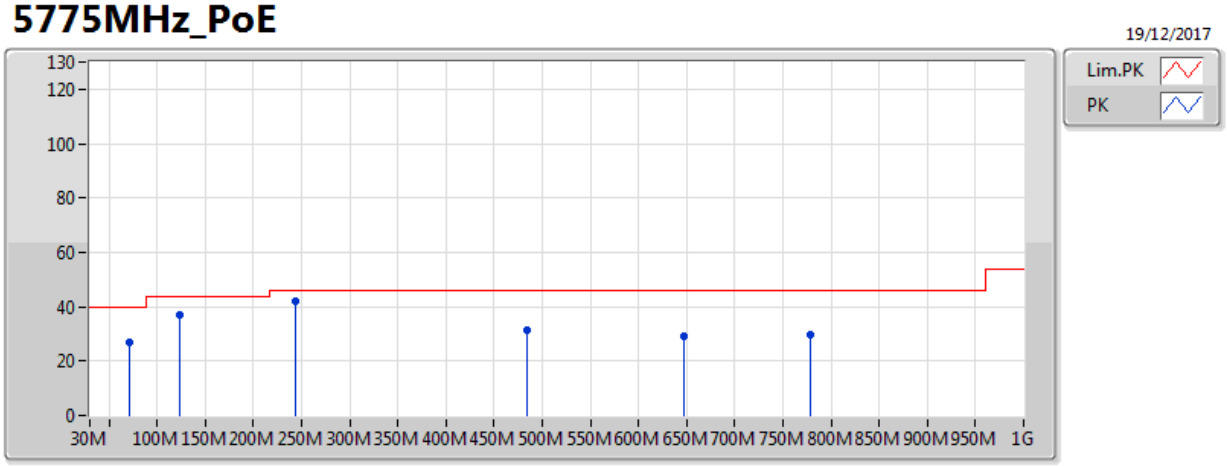
5775MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	31.94M	35.41	40.00	-4.59	-3.57	3	Vertical	0	1.00	-	38.98	22.27	1.74	27.58
PK	121.18M	38.03	43.50	-5.47	-7.89	3	Vertical	0	1.00	-	45.92	17.28	2.11	27.27
PK	256.98M	31.93	46.00	-14.07	-5.86	3	Vertical	0	1.00	-	37.79	18.54	2.38	26.78
PK	342.34M	28.25	46.00	-17.75	-4.94	3	Vertical	0	1.00	-	33.19	19.11	2.89	26.94
PK	408.3M	30.71	46.00	-15.29	-3.01	3	Vertical	0	1.00	-	33.72	21.20	3.12	27.33
PK	501.42M	34.75	46.00	-11.25	-1.73	3	Vertical	0	1.00	-	36.48	22.56	3.54	27.83

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_PoE



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	70.74M	27.09	40.00	-12.91	-14.05	3	Horizontal	360	1.00	-	41.14	11.70	1.71	27.46
PK	123.12M	36.83	43.50	-6.67	-7.85	3	Horizontal	360	1.00	-	44.68	17.24	2.17	27.26
PK	243.4M	41.81	46.00	-4.19	-7.26	3	Horizontal	360	1.00	-	49.07	16.96	2.59	26.81
PK	483.96M	31.45	46.00	-14.55	-1.75	3	Horizontal	360	1.00	-	33.20	22.48	3.51	27.74
PK	646.92M	29.33	46.00	-16.67	0.23	3	Horizontal	360	1.00	-	29.10	24.05	4.15	27.97
PK	778.84M	29.65	46.00	-16.35	1.78	3	Horizontal	360	1.00	-	27.87	25.01	4.55	27.78

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	PK	5.4678G	68.12	68.20	-0.08	2.91	3	Horizontal	198	1.93	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	PK	5.4666G	67.84	68.20	-0.36	2.91	3	Horizontal	200	1.93	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	PK	5.4696G	67.90	68.20	-0.30	2.91	3	Horizontal	203	1.98	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	AV	5.46G	53.14	54.00	-0.86	2.91	3	Horizontal	201	1.88	-
802.11ac VHT80+80_Nss2,(MCS0)_4TX	Pass	AV	5.46G	52.23	54.00	-1.77	2.91	3	Horizontal	204	1.74	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	11.487485G	48.49	54.00	-5.51	15.77	3	Horizontal	293	2.31	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	11.568842G	49.98	54.00	-4.02	15.71	3	Horizontal	313	1.23	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	AV	11.60158G	48.46	54.00	-5.54	15.69	3	Horizontal	67	1.51	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	PK	5.6922G	92.22	99.43	-7.21	3.31	3	Vertical	184	1.32	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	AV	5.46G	48.24	54.00	-5.76	2.91	3	Horizontal	206	1.95	-
5500MHz	Pass	AV	5.5032G	102.68	Inf	-Inf	2.94	3	Horizontal	206	1.95	-
5500MHz	Pass	PK	5.4598G	62.12	74.00	-11.88	2.91	3	Horizontal	206	1.95	-
5500MHz	Pass	PK	5.4698G	67.73	68.20	-0.47	2.91	3	Horizontal	206	1.95	-
5500MHz	Pass	PK	5.503G	113.06	Inf	-Inf	2.94	3	Horizontal	206	1.95	-
5500MHz	Pass	AV	5.4592G	44.67	54.00	-9.33	2.91	3	Vertical	180	1.67	-
5500MHz	Pass	AV	5.5032G	102.05	Inf	-Inf	2.94	3	Vertical	180	1.67	-
5500MHz	Pass	PK	5.4598G	56.71	74.00	-17.29	2.91	3	Vertical	180	1.67	-
5500MHz	Pass	PK	5.4664G	58.10	68.20	-10.10	2.91	3	Vertical	180	1.67	-
5500MHz	Pass	PK	5.5024G	112.63	Inf	-Inf	2.93	3	Vertical	180	1.67	-
5500MHz	Pass	AV	11G	48.73	54.00	-5.27	16.14	3	Horizontal	145	1.52	-
5500MHz	Pass	PK	11G	61.95	74.00	-12.05	16.14	3	Horizontal	145	1.52	-
5500MHz	Pass	AV	11G	49.82	54.00	-4.18	16.14	3	Vertical	26	1.97	-
5500MHz	Pass	PK	11G	62.96	74.00	-11.04	16.14	3	Vertical	26	1.97	-
5540MHz	Pass	AV	5.459995G	53.33	54.00	-0.67	2.91	3	Horizontal	189	1.49	-
5540MHz	Pass	AV	5.543G	106.80	Inf	-Inf	3.02	3	Horizontal	189	1.49	-
5540MHz	Pass	PK	5.4578G	68.01	74.00	-5.99	2.91	3	Horizontal	189	1.49	-
5540MHz	Pass	PK	5.4698G	67.79	68.20	-0.41	2.91	3	Horizontal	189	1.49	-
5540MHz	Pass	PK	5.5364G	117.12	Inf	-Inf	3.00	3	Horizontal	189	1.49	-
5540MHz	Pass	AV	5.4524G	46.52	54.00	-7.48	2.91	3	Vertical	183	2.11	-
5540MHz	Pass	AV	5.5466G	107.01	Inf	-Inf	3.02	3	Vertical	183	2.11	-
5540MHz	Pass	PK	5.4488G	58.93	74.00	-15.07	2.90	3	Vertical	183	2.11	-
5540MHz	Pass	PK	5.4698G	59.57	68.20	-8.63	2.91	3	Vertical	183	2.11	-
5540MHz	Pass	PK	5.5466G	117.48	Inf	-Inf	3.02	3	Vertical	183	2.11	-
5540MHz	Pass	AV	11.082036G	53.05	54.00	-0.95	16.08	3	Horizontal	145	1.54	-
5540MHz	Pass	PK	11.080599G	67.01	74.00	-6.99	16.08	3	Horizontal	145	1.54	-
5540MHz	Pass	AV	11.08G	53.67	54.00	-0.33	16.08	3	Vertical	328	1.17	-
5540MHz	Pass	PK	11.08G	67.27	74.00	-6.73	16.08	3	Vertical	328	1.17	-
5580MHz	Pass	AV	5.46G	52.44	54.00	-1.56	2.91	3	Horizontal	198	1.93	-
5580MHz	Pass	AV	5.5854G	108.24	Inf	-Inf	3.10	3	Horizontal	198	1.93	-
5580MHz	Pass	PK	5.4594G	67.55	74.00	-6.45	2.91	3	Horizontal	198	1.93	-
5580MHz	Pass	PK	5.4678G	68.12	68.20	-0.08	2.91	3	Horizontal	198	1.93	-
5580MHz	Pass	PK	5.5848G	118.47	Inf	-Inf	3.10	3	Horizontal	198	1.93	-
5580MHz	Pass	PK	5.73G	57.35	68.20	-10.85	3.40	3	Horizontal	198	1.93	-
5580MHz	Pass	AV	5.46G	45.49	54.00	-8.51	2.91	3	Vertical	180	1.49	-
5580MHz	Pass	AV	5.5806G	107.89	Inf	-Inf	3.09	3	Vertical	180	1.49	-
5580MHz	Pass	PK	5.4444G	58.37	74.00	-15.63	2.90	3	Vertical	180	1.49	-
5580MHz	Pass	PK	5.466G	57.06	68.20	-11.14	2.91	3	Vertical	180	1.49	-
5580MHz	Pass	PK	5.5812G	118.09	Inf	-Inf	3.09	3	Vertical	180	1.49	-
5580MHz	Pass	PK	5.727G	56.68	68.20	-11.52	3.39	3	Vertical	180	1.49	-
5580MHz	Pass	AV	11.157006G	53.52	54.00	-0.48	16.02	3	Horizontal	62	1.43	-
5580MHz	Pass	PK	11.156048G	66.86	74.00	-7.14	16.02	3	Horizontal	62	1.43	-
5580MHz	Pass	AV	11.157645G	52.60	54.00	-1.40	16.02	3	Vertical	329	1.44	-
5580MHz	Pass	PK	11.157285G	64.94	74.00	-9.06	16.02	3	Vertical	329	1.44	-
5640MHz	Pass	AV	5.6368G	109.03	Inf	-Inf	3.20	3	Horizontal	205	1.69	-
5640MHz	Pass	PK	5.6372G	119.16	Inf	-Inf	3.20	3	Horizontal	205	1.69	-
5640MHz	Pass	PK	5.7304G	58.09	68.20	-10.11	3.40	3	Horizontal	205	1.69	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5640MHz	Pass	AV	5.6428G	109.28	Inf	-Inf	3.22	3	Vertical	180	1.64	-
5640MHz	Pass	PK	5.6428G	120.09	Inf	-Inf	3.22	3	Vertical	180	1.64	-
5640MHz	Pass	PK	5.7352G	56.99	68.20	-11.21	3.41	3	Vertical	180	1.64	-
5640MHz	Pass	AV	11.276966G	52.66	54.00	-1.34	15.93	3	Horizontal	311	1.48	-
5640MHz	Pass	PK	11.276128G	65.81	74.00	-8.19	15.93	3	Horizontal	311	1.48	-
5640MHz	Pass	AV	11.277565G	53.26	54.00	-0.74	15.93	3	Vertical	329	1.39	-
5640MHz	Pass	PK	11.275968G	66.43	74.00	-7.57	15.93	3	Vertical	329	1.39	-
5745MHz	Pass	AV	5.7474G	109.14	Inf	-Inf	3.43	3	Horizontal	199	1.50	-
5745MHz	Pass	PK	5.5974G	55.90	68.20	-12.30	3.12	3	Horizontal	199	1.50	-
5745MHz	Pass	PK	5.7474G	119.64	Inf	-Inf	3.43	3	Horizontal	199	1.50	-
5745MHz	Pass	PK	5.9322G	55.36	68.20	-12.84	3.81	3	Horizontal	199	1.50	-
5745MHz	Pass	AV	5.7438G	110.65	Inf	-Inf	3.43	3	Vertical	185	1.28	-
5745MHz	Pass	PK	5.7162G	99.87	109.74	-9.87	3.37	3	Vertical	185	1.28	-
5745MHz	Pass	PK	5.7438G	120.65	Inf	-Inf	3.43	3	Vertical	185	1.28	-
5745MHz	Pass	PK	5.9274G	55.47	68.20	-12.73	3.80	3	Vertical	185	1.28	-
5745MHz	Pass	AV	11.487485G	48.49	54.00	-5.51	15.77	3	Horizontal	293	2.31	-
5745MHz	Pass	PK	11.486687G	60.92	74.00	-13.08	15.77	3	Horizontal	293	2.31	-
5745MHz	Pass	AV	11.495629G	45.77	54.00	-8.23	15.77	3	Vertical	318	1.99	-
5745MHz	Pass	PK	11.49495G	59.04	74.00	-14.96	15.77	3	Vertical	318	1.99	-
5785MHz	Pass	AV	5.7886G	110.50	Inf	-Inf	3.52	3	Horizontal	198	1.54	-
5785MHz	Pass	PK	5.6122G	56.18	68.20	-12.02	3.15	3	Horizontal	198	1.54	-
5785MHz	Pass	PK	5.7886G	120.93	Inf	-Inf	3.52	3	Horizontal	198	1.54	-
5785MHz	Pass	PK	5.9506G	54.92	68.20	-13.28	3.85	3	Horizontal	198	1.54	-
5785MHz	Pass	AV	5.7838G	110.47	Inf	-Inf	3.51	3	Vertical	190	1.44	-
5785MHz	Pass	PK	5.5714G	56.21	68.20	-11.99	3.07	3	Vertical	190	1.44	-
5785MHz	Pass	PK	5.785G	120.65	Inf	-Inf	3.52	3	Vertical	190	1.44	-
5785MHz	Pass	PK	5.965G	55.27	68.20	-12.93	3.88	3	Vertical	190	1.44	-
5785MHz	Pass	AV	11.568244G	47.69	54.00	-6.31	15.71	3	Horizontal	314	1.33	-
5785MHz	Pass	PK	11.569561G	60.40	74.00	-13.60	15.71	3	Horizontal	314	1.33	-
5785MHz	Pass	AV	11.568164G	44.87	54.00	-9.13	15.71	3	Vertical	47	1.34	-
5785MHz	Pass	PK	11.568084G	55.71	74.00	-18.29	15.71	3	Vertical	47	1.34	-
5825MHz	Pass	AV	5.8286G	107.27	Inf	-Inf	3.61	3	Horizontal	196	1.50	-
5825MHz	Pass	PK	5.6042G	55.79	68.20	-12.41	3.14	3	Horizontal	196	1.50	-
5825MHz	Pass	PK	5.8274G	117.20	Inf	-Inf	3.60	3	Horizontal	196	1.50	-
5825MHz	Pass	PK	5.9438G	55.66	68.20	-12.54	3.84	3	Horizontal	196	1.50	-
5825MHz	Pass	AV	5.8226G	109.76	Inf	-Inf	3.60	3	Vertical	186	1.10	-
5825MHz	Pass	PK	5.5646G	56.44	68.20	-11.76	3.06	3	Vertical	186	1.10	-
5825MHz	Pass	PK	5.8226G	120.66	Inf	-Inf	3.60	3	Vertical	186	1.10	-
5825MHz	Pass	PK	5.9402G	55.77	68.20	-12.43	3.83	3	Vertical	186	1.10	-
5825MHz	Pass	AV	11.647685G	44.79	54.00	-9.21	15.65	3	Horizontal	68	1.49	-
5825MHz	Pass	PK	11.647285G	58.37	74.00	-15.63	15.65	3	Horizontal	68	1.49	-
5825MHz	Pass	AV	11.648084G	42.87	54.00	-11.13	15.65	3	Vertical	47	1.31	-
5825MHz	Pass	PK	11.649202G	55.77	74.00	-18.23	15.65	3	Vertical	47	1.31	-
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	AV	5.46G	47.08	54.00	-6.92	2.91	3	Horizontal	196	1.95	-
5500MHz	Pass	AV	5.5032G	103.84	Inf	-Inf	2.94	3	Horizontal	196	1.95	-
5500MHz	Pass	PK	5.46G	60.66	74.00	-13.34	2.91	3	Horizontal	196	1.95	-
5500MHz	Pass	PK	5.4696G	66.06	68.20	-2.14	2.91	3	Horizontal	196	1.95	-
5500MHz	Pass	PK	5.503G	114.66	Inf	-Inf	2.94	3	Horizontal	196	1.95	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5500MHz	Pass	AV	5.4598G	46.76	54.00	-7.24	2.91	3	Vertical	180	1.70	-
5500MHz	Pass	AV	5.5024G	103.55	Inf	-Inf	2.93	3	Vertical	180	1.70	-
5500MHz	Pass	PK	5.4582G	59.40	74.00	-14.60	2.91	3	Vertical	180	1.70	-
5500MHz	Pass	PK	5.467G	60.86	68.20	-7.34	2.91	3	Vertical	180	1.70	-
5500MHz	Pass	PK	5.5014G	114.85	Inf	-Inf	2.93	3	Vertical	180	1.70	-
5500MHz	Pass	AV	11.005709G	47.83	54.00	-6.17	16.14	3	Horizontal	144	1.56	-
5500MHz	Pass	PK	11.00491G	63.13	74.00	-10.87	16.14	3	Horizontal	144	1.56	-
5500MHz	Pass	AV	10.998643G	49.09	54.00	-4.91	16.14	3	Vertical	0	1.43	-
5500MHz	Pass	PK	11.002236G	61.23	74.00	-12.77	16.14	3	Vertical	0	1.43	-
5540MHz	Pass	AV	5.459995G	50.38	54.00	-3.62	2.91	3	Horizontal	189	1.72	-
5540MHz	Pass	AV	5.543G	105.63	Inf	-Inf	3.02	3	Horizontal	189	1.72	-
5540MHz	Pass	PK	5.459995G	63.37	74.00	-10.63	2.91	3	Horizontal	189	1.72	-
5540MHz	Pass	PK	5.4686G	65.42	68.20	-2.78	2.91	3	Horizontal	189	1.72	-
5540MHz	Pass	PK	5.543G	115.89	Inf	-Inf	3.02	3	Horizontal	189	1.72	-
5540MHz	Pass	AV	5.4476G	45.78	54.00	-8.22	2.90	3	Vertical	177	2.11	-
5540MHz	Pass	AV	5.5466G	105.82	Inf	-Inf	3.02	3	Vertical	177	2.11	-
5540MHz	Pass	PK	5.4554G	57.65	74.00	-16.35	2.91	3	Vertical	177	2.11	-
5540MHz	Pass	PK	5.4644G	59.76	68.20	-8.44	2.91	3	Vertical	177	2.11	-
5540MHz	Pass	PK	5.546G	116.45	Inf	-Inf	3.02	3	Vertical	177	2.11	-
5540MHz	Pass	AV	11.081956G	52.67	54.00	-1.33	16.08	3	Horizontal	145	1.57	-
5540MHz	Pass	PK	11.082435G	66.66	74.00	-7.34	16.08	3	Horizontal	145	1.57	-
5540MHz	Pass	AV	11.074331G	53.44	54.00	-0.56	16.08	3	Vertical	355	1.39	-
5540MHz	Pass	PK	11.075569G	67.56	74.00	-6.44	16.08	3	Vertical	355	1.39	-
5580MHz	Pass	AV	5.46G	51.95	54.00	-2.05	2.91	3	Horizontal	200	1.93	-
5580MHz	Pass	AV	5.5848G	107.63	Inf	-Inf	3.10	3	Horizontal	200	1.93	-
5580MHz	Pass	PK	5.4516G	65.88	74.00	-8.12	2.91	3	Horizontal	200	1.93	-
5580MHz	Pass	PK	5.4666G	67.84	68.20	-0.36	2.91	3	Horizontal	200	1.93	-
5580MHz	Pass	PK	5.5842G	117.43	Inf	-Inf	3.10	3	Horizontal	200	1.93	-
5580MHz	Pass	PK	5.7294G	57.86	68.20	-10.34	3.39	3	Horizontal	200	1.93	-
5580MHz	Pass	AV	5.4576G	45.23	54.00	-8.77	2.91	3	Vertical	179	1.49	-
5580MHz	Pass	AV	5.5812G	106.74	Inf	-Inf	3.09	3	Vertical	179	1.49	-
5580MHz	Pass	PK	5.4504G	58.27	74.00	-15.73	2.91	3	Vertical	179	1.49	-
5580MHz	Pass	PK	5.4684G	58.12	68.20	-10.08	2.91	3	Vertical	179	1.49	-
5580MHz	Pass	PK	5.5812G	118.22	Inf	-Inf	3.09	3	Vertical	179	1.49	-
5580MHz	Pass	PK	5.727G	57.93	68.20	-10.27	3.39	3	Vertical	179	1.49	-
5580MHz	Pass	AV	11.156846G	53.39	54.00	-0.61	16.02	3	Horizontal	61	1.47	-
5580MHz	Pass	PK	11.157605G	68.46	74.00	-5.54	16.02	3	Horizontal	61	1.47	-
5580MHz	Pass	AV	11.158323G	53.24	54.00	-0.76	16.02	3	Vertical	329	1.51	-
5580MHz	Pass	PK	11.157764G	69.44	74.00	-4.56	16.02	3	Vertical	329	1.51	-
5640MHz	Pass	AV	5.6372G	108.60	Inf	-Inf	3.20	3	Horizontal	207	1.68	-
5640MHz	Pass	PK	5.6368G	119.22	Inf	-Inf	3.20	3	Horizontal	207	1.68	-
5640MHz	Pass	PK	5.7316G	57.48	68.20	-10.72	3.40	3	Horizontal	207	1.68	-
5640MHz	Pass	AV	5.648G	109.26	Inf	-Inf	3.23	3	Vertical	181	2.11	-
5640MHz	Pass	PK	5.6476G	119.32	Inf	-Inf	3.23	3	Vertical	181	2.11	-
5640MHz	Pass	PK	5.7272G	57.17	68.20	-11.03	3.39	3	Vertical	181	2.11	-
5640MHz	Pass	AV	11.276846G	52.52	54.00	-1.48	15.93	3	Horizontal	310	1.47	-
5640MHz	Pass	PK	11.277605G	68.30	74.00	-5.70	15.93	3	Horizontal	310	1.47	-
5640MHz	Pass	AV	11.277206G	53.28	54.00	-0.72	15.93	3	Vertical	329	1.44	-
5640MHz	Pass	PK	11.277485G	69.73	74.00	-4.27	15.93	3	Vertical	329	1.44	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5745MHz	Pass	AV	5.7498G	107.81	Inf	-Inf	3.44	3	Horizontal	201	1.95	-
5745MHz	Pass	PK	5.6046G	56.03	68.20	-12.17	3.14	3	Horizontal	201	1.95	-
5745MHz	Pass	PK	5.751G	119.55	Inf	-Inf	3.44	3	Horizontal	201	1.95	-
5745MHz	Pass	PK	5.9574G	55.20	68.20	-13.00	3.86	3	Horizontal	201	1.95	-
5745MHz	Pass	AV	5.7438G	108.65	Inf	-Inf	3.43	3	Vertical	186	1.29	-
5745MHz	Pass	PK	5.7222G	106.35	115.82	-9.47	3.38	3	Vertical	186	1.29	-
5745MHz	Pass	PK	5.7414G	119.99	Inf	-Inf	3.42	3	Vertical	186	1.29	-
5745MHz	Pass	PK	5.9766G	55.06	68.20	-13.14	3.90	3	Vertical	186	1.29	-
5745MHz	Pass	AV	11.487046G	47.19	54.00	-6.81	15.77	3	Horizontal	296	2.31	-
5745MHz	Pass	PK	11.486407G	59.98	74.00	-14.02	15.78	3	Horizontal	296	2.31	-
5745MHz	Pass	AV	11.493074G	43.22	54.00	-10.78	15.77	3	Vertical	311	2.99	-
5745MHz	Pass	PK	11.481896G	56.57	74.00	-17.43	15.78	3	Vertical	311	2.99	-
5785MHz	Pass	AV	5.7874G	109.24	Inf	-Inf	3.52	3	Horizontal	199	1.40	-
5785MHz	Pass	PK	5.5762G	56.04	68.20	-12.16	3.08	3	Horizontal	199	1.40	-
5785MHz	Pass	PK	5.7874G	120.34	Inf	-Inf	3.52	3	Horizontal	199	1.40	-
5785MHz	Pass	PK	5.9818G	56.21	68.20	-11.99	3.91	3	Horizontal	199	1.40	-
5785MHz	Pass	AV	5.7826G	109.55	Inf	-Inf	3.51	3	Vertical	187	1.07	-
5785MHz	Pass	PK	5.5906G	56.18	68.20	-12.02	3.11	3	Vertical	187	1.07	-
5785MHz	Pass	PK	5.7814G	121.26	Inf	-Inf	3.51	3	Vertical	187	1.07	-
5785MHz	Pass	PK	5.941G	55.49	68.20	-12.71	3.83	3	Vertical	187	1.07	-
5785MHz	Pass	AV	11.568842G	49.98	54.00	-4.02	15.71	3	Horizontal	313	1.23	-
5785MHz	Pass	PK	11.567804G	63.12	74.00	-10.88	15.71	3	Horizontal	313	1.23	-
5785MHz	Pass	AV	11.568723G	47.24	54.00	-6.76	15.71	3	Vertical	48	1.35	-
5785MHz	Pass	PK	11.567844G	60.56	74.00	-13.44	15.71	3	Vertical	48	1.35	-
5825MHz	Pass	AV	5.8286G	103.36	Inf	-Inf	3.61	3	Horizontal	197	1.53	-
5825MHz	Pass	PK	5.6138G	55.96	68.20	-12.24	3.16	3	Horizontal	197	1.53	-
5825MHz	Pass	PK	5.8298G	115.17	Inf	-Inf	3.61	3	Horizontal	197	1.53	-
5825MHz	Pass	PK	5.9282G	55.38	68.20	-12.82	3.81	3	Horizontal	197	1.53	-
5825MHz	Pass	AV	5.8226G	108.81	Inf	-Inf	3.60	3	Vertical	186	1.08	-
5825MHz	Pass	PK	5.5298G	55.67	68.20	-12.53	2.99	3	Vertical	186	1.08	-
5825MHz	Pass	PK	5.8214G	120.34	Inf	-Inf	3.59	3	Vertical	186	1.08	-
5825MHz	Pass	PK	5.9402G	55.58	68.20	-12.62	3.83	3	Vertical	186	1.08	-
5825MHz	Pass	AV	11.64681G	47.72	54.00	-6.28	15.65	3	Horizontal	68	1.45	-
5825MHz	Pass	PK	11.64551G	62.80	74.00	-11.20	15.66	3	Horizontal	68	1.45	-
5825MHz	Pass	AV	11.6486G	44.53	54.00	-9.47	15.65	3	Vertical	47	1.31	-
5825MHz	Pass	PK	11.6478G	58.93	74.00	-15.07	15.65	3	Vertical	47	1.31	-
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	AV	5.46G	53.57	54.00	-0.43	2.91	3	Horizontal	203	1.98	-
5510MHz	Pass	AV	5.5004G	99.37	Inf	-Inf	2.93	3	Horizontal	203	1.98	-
5510MHz	Pass	PK	5.4596G	66.46	74.00	-7.54	2.91	3	Horizontal	203	1.98	-
5510MHz	Pass	PK	5.4696G	67.90	68.20	-0.30	2.91	3	Horizontal	203	1.98	-
5510MHz	Pass	PK	5.5G	109.12	Inf	-Inf	2.93	3	Horizontal	203	1.98	-
5510MHz	Pass	AV	5.4568G	46.97	54.00	-7.03	2.91	3	Vertical	179	2.04	-
5510MHz	Pass	AV	5.5152G	98.44	Inf	-Inf	2.96	3	Vertical	179	2.04	-
5510MHz	Pass	PK	5.4564G	58.66	74.00	-15.34	2.91	3	Vertical	179	2.04	-
5510MHz	Pass	PK	5.468G	60.94	68.20	-7.26	2.91	3	Vertical	179	2.04	-
5510MHz	Pass	PK	5.5172G	108.28	Inf	-Inf	2.96	3	Vertical	179	2.04	-
5510MHz	Pass	AV	11.025629G	46.66	54.00	-7.34	16.12	3	Horizontal	144	1.48	-
5510MHz	Pass	PK	11.027226G	59.62	74.00	-14.38	16.12	3	Horizontal	144	1.48	-

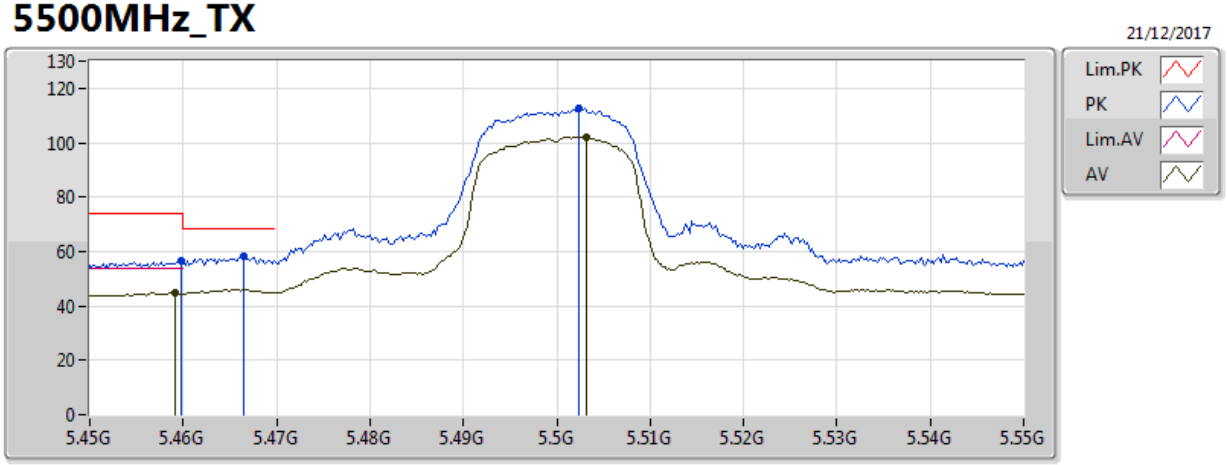
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5510MHz	Pass	AV	11.019681G	48.02	54.00	-5.98	16.13	3	Vertical	325	1.09	-
5510MHz	Pass	PK	11.021477G	60.84	74.00	-13.16	16.12	3	Vertical	325	1.09	-
5550MHz	Pass	AV	5.4572G	52.25	54.00	-1.75	2.91	3	Horizontal	204	1.57	-
5550MHz	Pass	AV	5.5592G	101.06	Inf	-Inf	3.05	3	Horizontal	204	1.57	-
5550MHz	Pass	PK	5.4548G	64.17	74.00	-9.83	2.91	3	Horizontal	204	1.57	-
5550MHz	Pass	PK	5.462G	67.90	68.20	-0.30	2.91	3	Horizontal	204	1.57	-
5550MHz	Pass	PK	5.5596G	110.64	Inf	-Inf	3.05	3	Horizontal	204	1.57	-
5550MHz	Pass	AV	5.4556G	46.01	54.00	-7.99	2.91	3	Vertical	182	2.19	-
5550MHz	Pass	AV	5.5584G	100.73	Inf	-Inf	3.05	3	Vertical	182	2.19	-
5550MHz	Pass	PK	5.456G	58.66	74.00	-15.34	2.91	3	Vertical	182	2.19	-
5550MHz	Pass	PK	5.4688G	59.79	68.20	-8.41	2.91	3	Vertical	182	2.19	-
5550MHz	Pass	PK	5.5572G	110.72	Inf	-Inf	3.04	3	Vertical	182	2.19	-
5550MHz	Pass	AV	11.09509G	50.93	54.00	-3.07	16.07	3	Horizontal	62	1.41	-
5550MHz	Pass	PK	11.096287G	64.87	74.00	-9.13	16.07	3	Horizontal	62	1.41	-
5550MHz	Pass	AV	11.095689G	50.93	54.00	-3.07	16.07	3	Vertical	356	1.34	-
5550MHz	Pass	PK	11.096327G	65.26	74.00	-8.74	16.07	3	Vertical	356	1.34	-
5590MHz	Pass	AV	5.459995G	51.73	54.00	-2.27	2.91	3	Horizontal	204	2.01	-
5590MHz	Pass	AV	5.5942G	102.70	Inf	-Inf	3.12	3	Horizontal	204	2.01	-
5590MHz	Pass	PK	5.4574G	64.49	74.00	-9.51	2.91	3	Horizontal	204	2.01	-
5590MHz	Pass	PK	5.4682G	66.63	68.20	-1.57	2.91	3	Horizontal	204	2.01	-
5590MHz	Pass	PK	5.6014G	112.42	Inf	-Inf	3.13	3	Horizontal	204	2.01	-
5590MHz	Pass	PK	5.7364G	55.33	68.20	-12.87	3.41	3	Horizontal	204	2.01	-
5590MHz	Pass	AV	5.4568G	43.99	54.00	-10.01	2.91	3	Vertical	179	2.08	-
5590MHz	Pass	AV	5.5984G	102.15	Inf	-Inf	3.13	3	Vertical	179	2.08	-
5590MHz	Pass	PK	5.4592G	55.90	74.00	-18.10	2.91	3	Vertical	179	2.08	-
5590MHz	Pass	PK	5.4688G	56.69	68.20	-11.51	2.91	3	Vertical	179	2.08	-
5590MHz	Pass	PK	5.5978G	112.02	Inf	-Inf	3.13	3	Vertical	179	2.08	-
5590MHz	Pass	PK	5.7286G	56.01	68.20	-12.19	3.39	3	Vertical	179	2.08	-
5590MHz	Pass	AV	11.177365G	52.10	54.00	-1.90	16.01	3	Horizontal	61	1.46	-
5590MHz	Pass	PK	11.176447G	66.54	74.00	-7.46	16.01	3	Horizontal	61	1.46	-
5590MHz	Pass	AV	11.179401G	52.56	54.00	-1.44	16.01	3	Vertical	329	1.42	-
5590MHz	Pass	PK	11.179401G	65.28	74.00	-8.72	16.01	3	Vertical	329	1.42	-
5630MHz	Pass	AV	5.6204G	105.16	Inf	-Inf	3.17	3	Horizontal	202	1.81	-
5630MHz	Pass	PK	5.621G	115.51	Inf	-Inf	3.17	3	Horizontal	202	1.81	-
5630MHz	Pass	PK	5.771G	56.78	68.20	-11.42	3.49	3	Horizontal	202	1.81	-
5630MHz	Pass	AV	5.6186G	106.10	Inf	-Inf	3.17	3	Vertical	182	2.15	-
5630MHz	Pass	PK	5.618G	116.04	Inf	-Inf	3.17	3	Vertical	182	2.15	-
5630MHz	Pass	PK	5.765G	55.92	68.20	-12.28	3.47	3	Vertical	182	2.15	-
5630MHz	Pass	AV	11.256088G	52.27	54.00	-1.73	15.95	3	Horizontal	63	1.45	-
5630MHz	Pass	PK	11.256168G	65.81	74.00	-8.19	15.95	3	Horizontal	63	1.45	-
5630MHz	Pass	AV	11.259321G	53.11	54.00	-0.89	15.95	3	Vertical	330	1.49	-
5630MHz	Pass	PK	11.259561G	65.98	74.00	-8.02	15.95	3	Vertical	330	1.49	-
5755MHz	Pass	AV	5.7598G	104.06	Inf	-Inf	3.46	3	Horizontal	199	1.70	-
5755MHz	Pass	PK	5.5846G	56.06	68.20	-12.14	3.10	3	Horizontal	199	1.70	-
5755MHz	Pass	PK	5.7586G	114.47	Inf	-Inf	3.46	3	Horizontal	199	1.70	-
5755MHz	Pass	PK	5.953G	56.20	68.20	-12.00	3.86	3	Horizontal	199	1.70	-
5755MHz	Pass	AV	5.767G	104.00	Inf	-Inf	3.48	3	Vertical	184	1.63	-
5755MHz	Pass	PK	5.7154G	98.78	109.51	-10.74	3.36	3	Vertical	184	1.63	-
5755MHz	Pass	PK	5.767G	114.49	Inf	-Inf	3.48	3	Vertical	184	1.63	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5755MHz	Pass	PK	5.971G	55.59	68.20	-12.61	3.89	3	Vertical	184	1.63	-
5755MHz	Pass	AV	11.51499G	47.96	54.00	-6.04	15.75	3	Horizontal	296	2.29	-
5755MHz	Pass	PK	11.50052G	61.08	74.00	-12.92	15.76	3	Horizontal	296	2.29	-
5755MHz	Pass	AV	11.51419G	44.04	54.00	-9.96	15.75	3	Vertical	312	1.34	-
5755MHz	Pass	PK	11.51339G	56.51	74.00	-17.49	15.75	3	Vertical	312	1.34	-
5795MHz	Pass	AV	5.7998G	105.23	Inf	-Inf	3.55	3	Horizontal	198	1.76	-
5795MHz	Pass	PK	5.6078G	55.92	68.20	-12.28	3.15	3	Horizontal	198	1.76	-
5795MHz	Pass	PK	5.7998G	115.55	Inf	-Inf	3.55	3	Horizontal	198	1.76	-
5795MHz	Pass	PK	5.9306G	55.82	68.20	-12.38	3.81	3	Horizontal	198	1.76	-
5795MHz	Pass	AV	5.7926G	106.04	Inf	-Inf	3.53	3	Vertical	186	1.01	-
5795MHz	Pass	PK	5.6222G	55.75	68.20	-12.45	3.17	3	Vertical	186	1.01	-
5795MHz	Pass	PK	5.7938G	116.18	Inf	-Inf	3.54	3	Vertical	186	1.01	-
5795MHz	Pass	PK	5.9414G	55.90	68.20	-12.30	3.83	3	Vertical	186	1.01	-
5795MHz	Pass	AV	11.60158G	48.46	54.00	-5.54	15.69	3	Horizontal	67	1.51	-
5795MHz	Pass	PK	11.60168G	62.47	74.00	-11.53	15.69	3	Horizontal	67	1.51	-
5795MHz	Pass	AV	11.5891G	45.84	54.00	-8.16	15.70	3	Vertical	49	1.30	-
5795MHz	Pass	PK	11.5882G	58.82	74.00	-15.18	15.70	3	Vertical	49	1.30	-
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	AV	5.46G	53.14	54.00	-0.86	2.91	3	Horizontal	201	1.88	-
5530MHz	Pass	AV	5.54G	92.50	Inf	-Inf	3.01	3	Horizontal	201	1.88	-
5530MHz	Pass	PK	5.459G	64.53	74.00	-9.47	2.91	3	Horizontal	201	1.88	-
5530MHz	Pass	PK	5.465G	66.18	68.20	-2.02	2.91	3	Horizontal	201	1.88	-
5530MHz	Pass	PK	5.541G	102.29	Inf	-Inf	3.01	3	Horizontal	201	1.88	-
5530MHz	Pass	PK	5.736G	55.51	68.20	-12.69	3.41	3	Horizontal	201	1.88	-
5530MHz	Pass	AV	5.458G	48.05	54.00	-5.95	2.91	3	Vertical	182	2.19	-
5530MHz	Pass	AV	5.557G	92.00	Inf	-Inf	3.04	3	Vertical	182	2.19	-
5530MHz	Pass	PK	5.327G	55.80	68.20	-12.40	2.84	3	Vertical	182	2.19	-
5530MHz	Pass	PK	5.465G	57.93	68.20	-10.27	2.91	3	Vertical	182	2.19	-
5530MHz	Pass	PK	5.558G	102.49	Inf	-Inf	3.05	3	Vertical	182	2.19	-
5530MHz	Pass	PK	5.767G	55.56	68.20	-12.64	3.48	3	Vertical	182	2.19	-
5530MHz	Pass	AV	11.06G	44.59	54.00	-9.41	16.09	3	Horizontal	145	1.45	-
5530MHz	Pass	PK	11.060998G	57.65	74.00	-16.35	16.09	3	Horizontal	145	1.45	-
5530MHz	Pass	AV	11.054251G	44.92	54.00	-9.08	16.10	3	Vertical	356	1.30	-
5530MHz	Pass	PK	11.05525G	58.20	74.00	-15.80	16.10	3	Vertical	356	1.30	-
5610MHz	Pass	AV	5.46G	52.16	54.00	-1.84	2.91	3	Horizontal	203	1.66	-
5610MHz	Pass	AV	5.62G	96.10	Inf	-Inf	3.17	3	Horizontal	203	1.66	-
5610MHz	Pass	PK	5.46G	65.78	74.00	-8.22	2.91	3	Horizontal	203	1.66	-
5610MHz	Pass	PK	5.469G	67.08	68.20	-1.12	2.91	3	Horizontal	203	1.66	-
5610MHz	Pass	PK	5.619G	106.15	Inf	-Inf	3.17	3	Horizontal	203	1.66	-
5610MHz	Pass	PK	5.773G	55.71	68.20	-12.49	3.49	3	Horizontal	203	1.66	-
5610MHz	Pass	AV	5.455G	45.36	54.00	-8.64	2.91	3	Vertical	180	2.15	-
5610MHz	Pass	AV	5.619G	95.95	Inf	-Inf	3.17	3	Vertical	180	2.15	-
5610MHz	Pass	PK	5.456G	58.01	74.00	-15.99	2.91	3	Vertical	180	2.15	-
5610MHz	Pass	PK	5.466G	56.79	68.20	-11.41	2.91	3	Vertical	180	2.15	-
5610MHz	Pass	PK	5.598G	106.01	Inf	-Inf	3.13	3	Vertical	180	2.15	-
5610MHz	Pass	PK	5.829G	56.42	68.20	-11.78	3.61	3	Vertical	180	2.15	-
5610MHz	Pass	AV	11.218004G	45.10	54.00	-8.90	15.98	3	Horizontal	64	1.50	-
5610MHz	Pass	PK	11.218802G	58.53	74.00	-15.47	15.98	3	Horizontal	64	1.50	-
5610MHz	Pass	AV	11.219002G	46.03	54.00	-7.97	15.98	3	Vertical	330	1.45	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5610MHz	Pass	PK	11.21976G	59.49	74.00	-14.51	15.98	3	Vertical	330	1.45	-
5775MHz	Pass	AV	5.7786G	100.81	Inf	-Inf	3.50	3	Horizontal	199	1.64	-
5775MHz	Pass	PK	5.6994G	92.74	104.76	-12.02	3.33	3	Horizontal	199	1.64	-
5775MHz	Pass	PK	5.7978G	110.79	Inf	-Inf	3.55	3	Horizontal	199	1.64	-
5775MHz	Pass	PK	5.9274G	58.33	68.20	-9.87	3.80	3	Horizontal	199	1.64	-
5775MHz	Pass	AV	5.7534G	102.22	Inf	-Inf	3.45	3	Vertical	184	1.32	-
5775MHz	Pass	PK	5.6922G	92.22	99.43	-7.21	3.31	3	Vertical	184	1.32	-
5775MHz	Pass	PK	5.7726G	111.37	Inf	-Inf	3.49	3	Vertical	184	1.32	-
5775MHz	Pass	PK	5.9286G	60.92	68.20	-7.28	3.81	3	Vertical	184	1.32	-
5775MHz	Pass	AV	11.55549G	45.53	54.00	-8.47	15.72	3	Horizontal	295	2.30	-
5775MHz	Pass	PK	11.56846G	58.90	74.00	-15.10	15.71	3	Horizontal	295	2.30	-
5775MHz	Pass	AV	11.55499G	42.51	54.00	-11.49	15.72	3	Vertical	47	2.59	-
5775MHz	Pass	PK	11.56218G	55.82	74.00	-18.18	15.72	3	Vertical	47	2.59	-
802.11ac VHT80+80_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
#5530#5610MHz	Pass	AV	5.46G	52.23	54.00	-1.77	2.91	3	Horizontal	204	1.74	-
#5530#5610MHz	Pass	AV	5.617G	94.32	Inf	-Inf	3.16	3	Horizontal	204	1.74	-
#5530#5610MHz	Pass	PK	5.456G	64.40	74.00	-9.60	2.91	3	Horizontal	204	1.74	-
#5530#5610MHz	Pass	PK	5.465G	66.07	68.20	-2.13	2.91	3	Horizontal	204	1.74	-
#5530#5610MHz	Pass	PK	5.596G	104.34	Inf	-Inf	3.12	3	Horizontal	204	1.74	-
#5530#5610MHz	Pass	PK	5.809G	55.73	68.20	-12.47	3.57	3	Horizontal	204	1.74	-
#5530#5610MHz	Pass	AV	5.456G	48.29	54.00	-5.71	2.91	3	Vertical	184	1.80	-
#5530#5610MHz	Pass	AV	5.586G	93.52	Inf	-Inf	3.10	3	Vertical	184	1.80	-
#5530#5610MHz	Pass	PK	5.456G	61.41	74.00	-12.59	2.91	3	Vertical	184	1.80	-
#5530#5610MHz	Pass	PK	5.463G	59.64	68.20	-8.56	2.91	3	Vertical	184	1.80	-
#5530#5610MHz	Pass	PK	5.586G	103.01	Inf	-Inf	3.10	3	Vertical	184	1.80	-
#5530#5610MHz	Pass	PK	5.763G	56.52	68.20	-11.68	3.47	3	Vertical	184	1.80	-
#5530#5610MHz	Pass	AV	11.05988G	43.85	54.00	-10.15	16.10	3	Horizontal	145	1.51	-
#5530#5610MHz	Pass	AV	11.210499G	43.59	54.00	-10.41	15.98	3	Horizontal	211	1.59	-
#5530#5610MHz	Pass	PK	11.060319G	57.83	74.00	-16.17	16.09	3	Horizontal	145	1.51	-
#5530#5610MHz	Pass	PK	11.21509G	57.78	74.00	-16.22	15.98	3	Horizontal	211	1.59	-
#5530#5610MHz	Pass	AV	11.054451G	43.72	54.00	-10.28	16.10	3	Vertical	331	1.37	-
#5530#5610MHz	Pass	AV	11.225709G	44.34	54.00	-9.66	15.97	3	Vertical	308	1.26	-
#5530#5610MHz	Pass	PK	11.051497G	57.36	74.00	-16.64	16.10	3	Vertical	331	1.37	-
#5530#5610MHz	Pass	PK	11.223473G	57.66	74.00	-16.34	15.97	3	Vertical	308	1.26	-

802.11a_Nss1,(6Mbps)_4TX

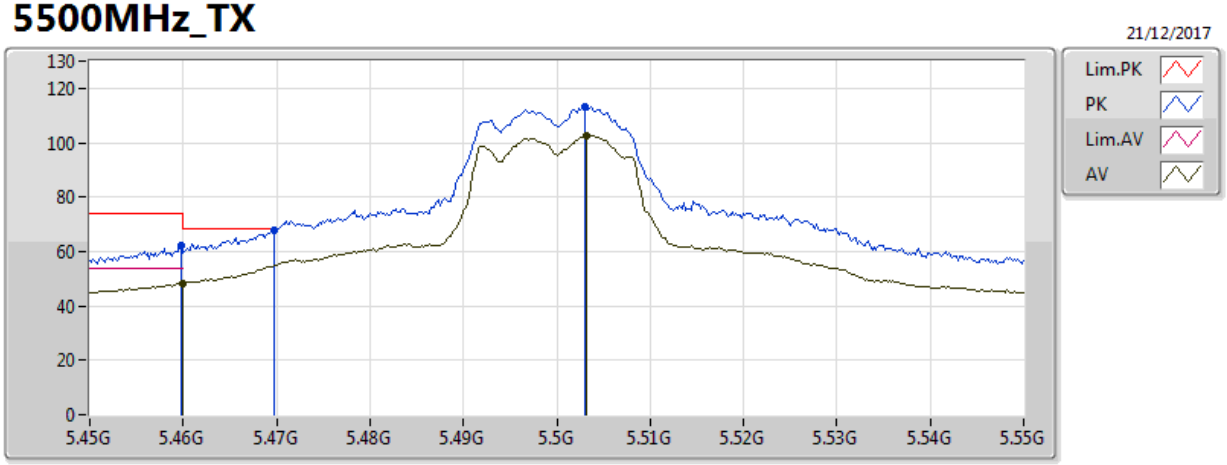
5500MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4592G	44.67	54.00	-9.33	2.91	3	Vertical	180	1.67	-	41.76	31.78	5.67	34.54
AV	5.5032G	102.05	Inf	-Inf	2.94	3	Vertical	180	1.67	-	99.12	31.81	5.67	34.54
PK	5.4598G	56.71	74.00	-17.29	2.91	3	Vertical	180	1.67	-	53.80	31.78	5.67	34.54
PK	5.4664G	58.10	68.20	-10.10	2.91	3	Vertical	180	1.67	-	55.18	31.79	5.67	34.54
PK	5.5024G	112.63	Inf	-Inf	2.93	3	Vertical	180	1.67	-	109.69	31.80	5.67	34.54

802.11a_Nss1,(6Mbps)_4TX

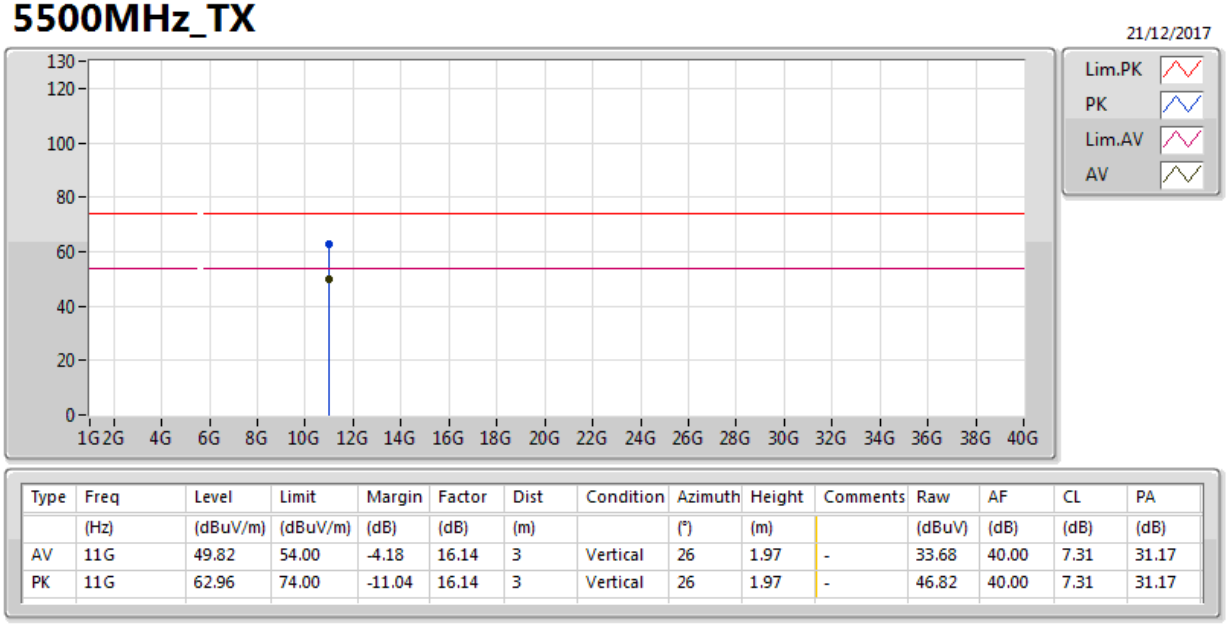
5500MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.46G	48.24	54.00	-5.76	2.91	3	Horizontal	206	1.95	-	45.33	31.78	5.67	34.54
AV	5.5032G	102.68	Inf	-Inf	2.94	3	Horizontal	206	1.95	-	99.74	31.81	5.67	34.54
PK	5.4598G	62.12	74.00	-11.88	2.91	3	Horizontal	206	1.95	-	59.21	31.78	5.67	34.54
PK	5.4698G	67.73	68.20	-0.47	2.91	3	Horizontal	206	1.95	-	64.81	31.79	5.67	34.54
PK	5.503G	113.06	Inf	-Inf	2.94	3	Horizontal	206	1.95	-	110.13	31.80	5.67	34.54

802.11a_Nss1,(6Mbps)_4TX

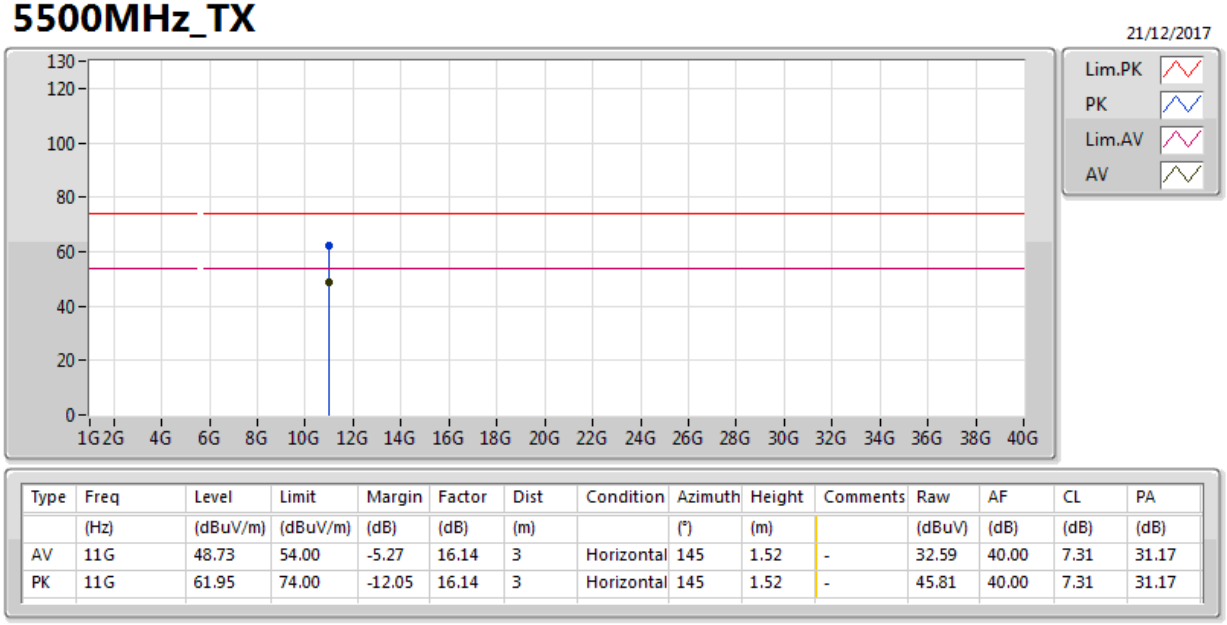
5500MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11G	49.82	54.00	-4.18	16.14	3	Vertical	26	1.97	-	33.68	40.00	7.31	31.17
PK	11G	62.96	74.00	-11.04	16.14	3	Vertical	26	1.97	-	46.82	40.00	7.31	31.17

802.11a_Nss1,(6Mbps)_4TX

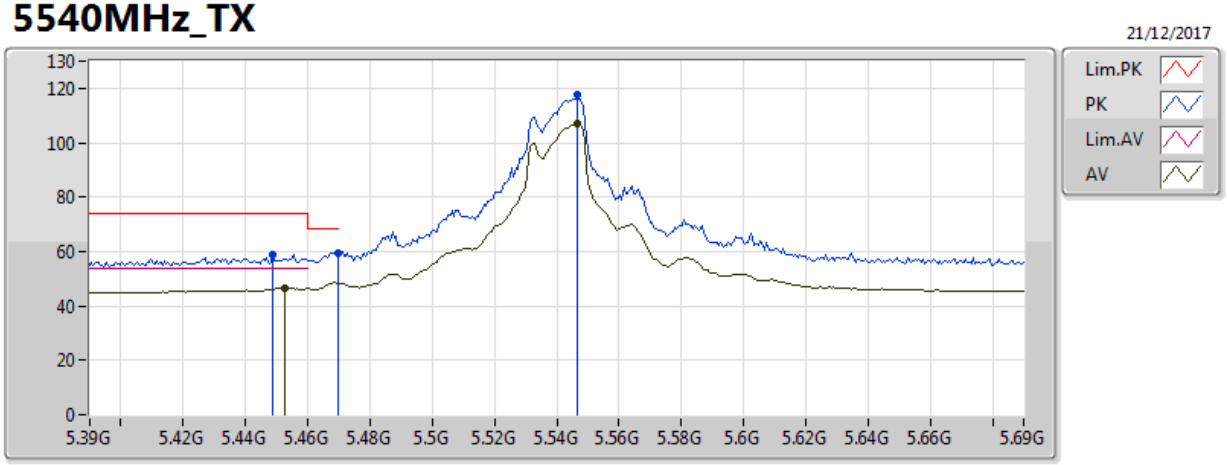
5500MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11G	48.73	54.00	-5.27	16.14	3	Horizontal	145	1.52	-	32.59	40.00	7.31	31.17
PK	11G	61.95	74.00	-12.05	16.14	3	Horizontal	145	1.52	-	45.81	40.00	7.31	31.17

802.11a_Nss1,(6Mbps)_4TX

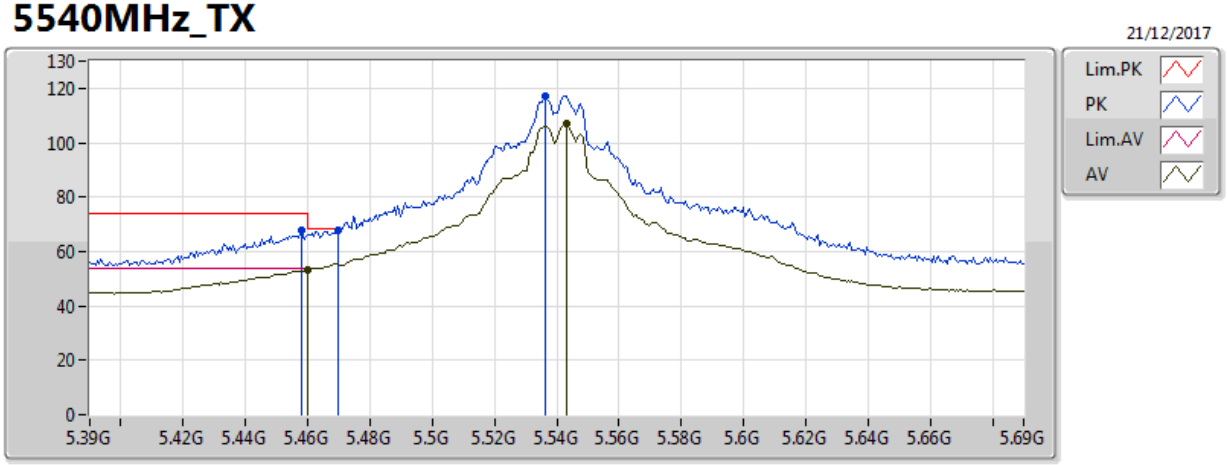
5540MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4524G	46.52	54.00	-7.48	2.91	3	Vertical	183	2.11	-	43.61	31.78	5.67	34.54
AV	5.5466G	107.01	Inf	-Inf	3.02	3	Vertical	183	2.11	-	103.99	31.87	5.70	34.55
PK	5.4488G	58.93	74.00	-15.07	2.90	3	Vertical	183	2.11	-	56.03	31.78	5.66	34.54
PK	5.4698G	59.57	68.20	-8.63	2.91	3	Vertical	183	2.11	-	56.66	31.79	5.67	34.54
PK	5.5466G	117.48	Inf	-Inf	3.02	3	Vertical	183	2.11	-	114.46	31.87	5.70	34.55

802.11a_Nss1,(6Mbps)_4TX

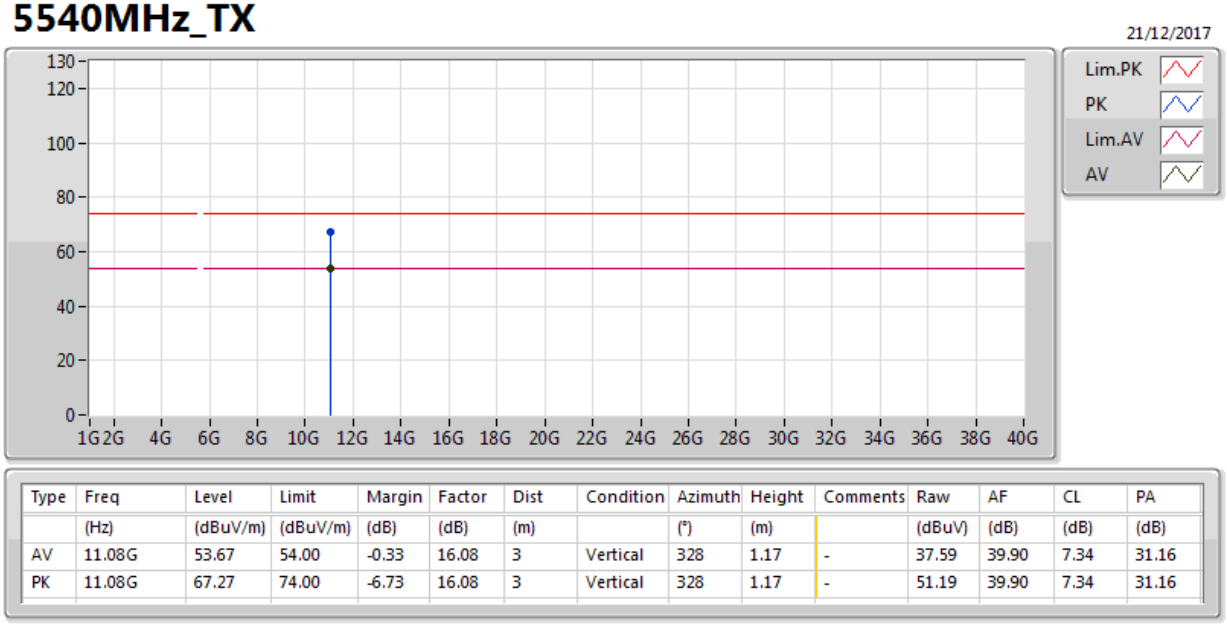
5540MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.459995G	53.33	54.00	-0.67	2.91	3	Horizontal	189	1.49	-	50.42	31.78	5.67	34.54
AV	5.543G	106.80	Inf	-Inf	3.02	3	Horizontal	189	1.49	-	103.78	31.87	5.70	34.55
PK	5.4578G	68.01	74.00	-5.99	2.91	3	Horizontal	189	1.49	-	65.10	31.78	5.67	34.54
PK	5.4698G	67.79	68.20	-0.41	2.91	3	Horizontal	189	1.49	-	64.87	31.79	5.67	34.54
PK	5.5364G	117.12	Inf	-Inf	3.00	3	Horizontal	189	1.49	-	114.12	31.86	5.70	34.55

802.11a_Nss1,(6Mbps)_4TX

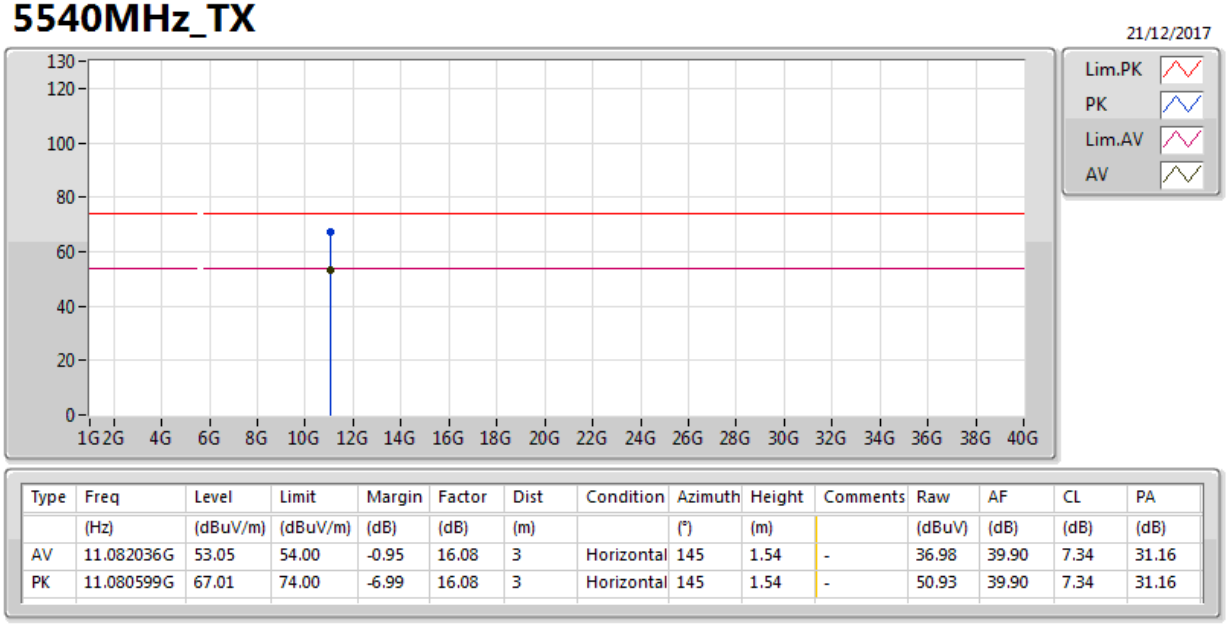
5540MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.08G	53.67	54.00	-0.33	16.08	3	Vertical	328	1.17	-	37.59	39.90	7.34	31.16
PK	11.08G	67.27	74.00	-6.73	16.08	3	Vertical	328	1.17	-	51.19	39.90	7.34	31.16

802.11a_Nss1,(6Mbps)_4TX

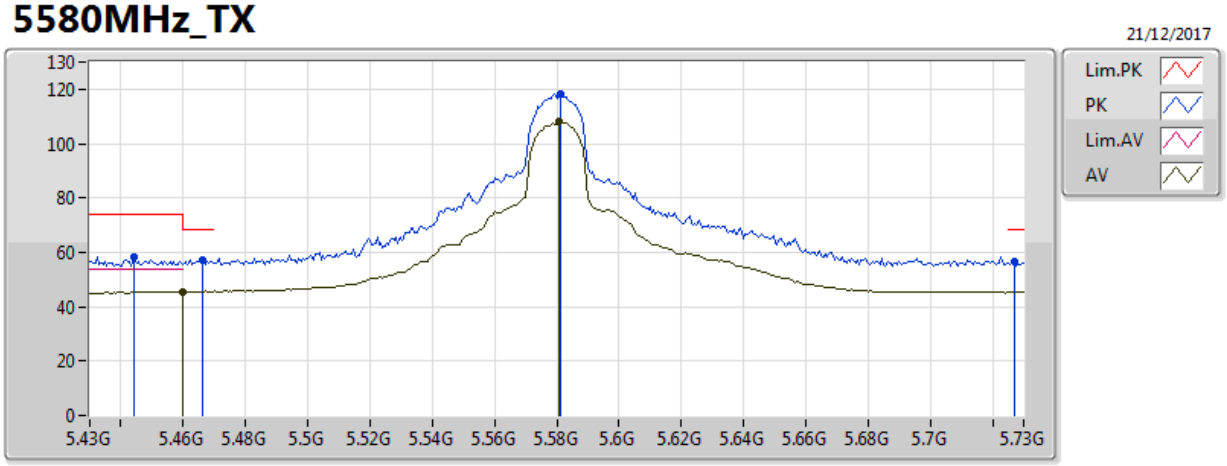
5540MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.082036G	53.05	54.00	-0.95	16.08	3	Horizontal	145	1.54	-	36.98	39.90	7.34	31.16
PK	11.080599G	67.01	74.00	-6.99	16.08	3	Horizontal	145	1.54	-	50.93	39.90	7.34	31.16

802.11a_Nss1,(6Mbps)_4TX

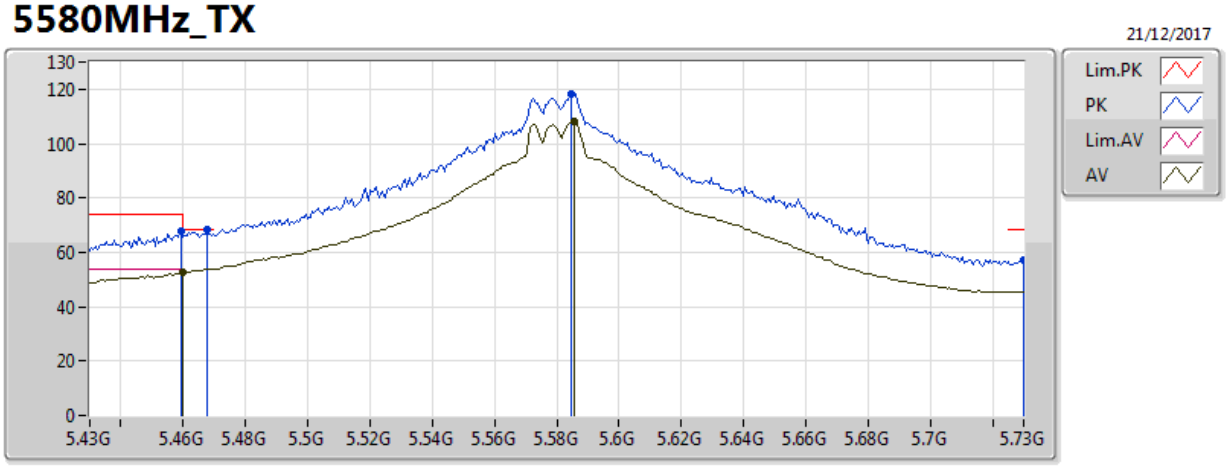
5580MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.46G	45.49	54.00	-8.51	2.91	3	Vertical	180	1.49	-	42.58	31.78	5.67	34.54
AV	5.5806G	107.89	Inf	-Inf	3.09	3	Vertical	180	1.49	-	104.80	31.93	5.73	34.56
PK	5.4444G	58.37	74.00	-15.63	2.90	3	Vertical	180	1.49	-	55.47	31.78	5.66	34.54
PK	5.466G	57.06	68.20	-11.14	2.91	3	Vertical	180	1.49	-	54.15	31.79	5.67	34.54
PK	5.5812G	118.09	Inf	-Inf	3.09	3	Vertical	180	1.49	-	114.99	31.93	5.73	34.56
PK	5.727G	56.68	68.20	-11.52	3.39	3	Vertical	180	1.49	-	53.29	32.16	5.83	34.61

802.11a_Nss1,(6Mbps)_4TX

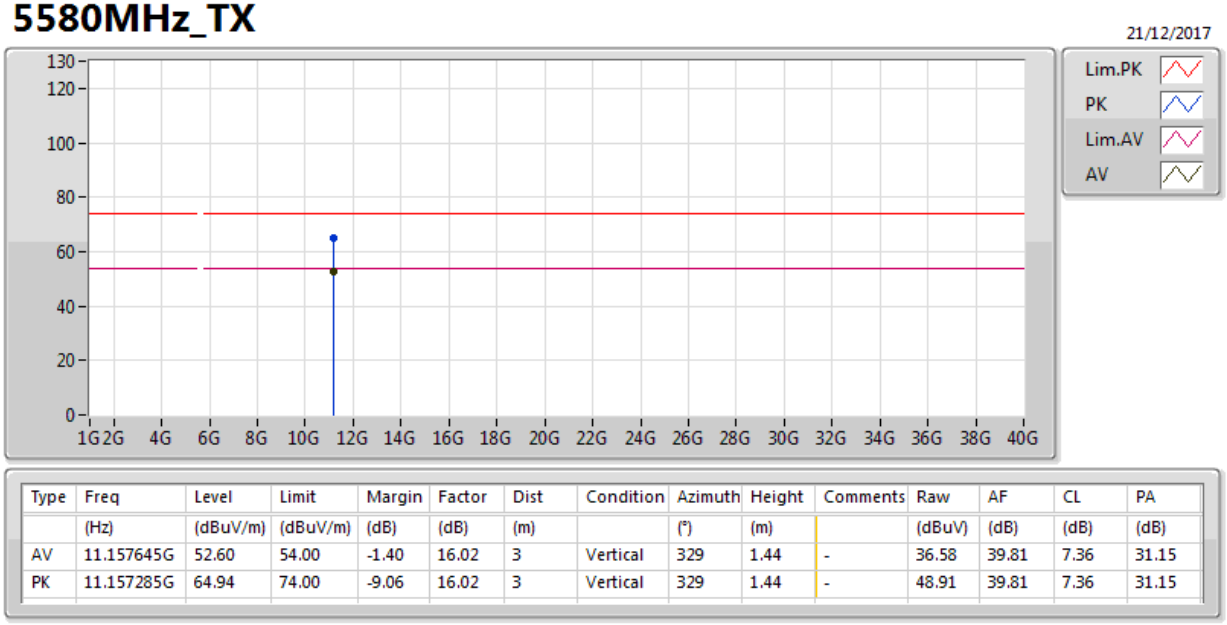
5580MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.46G	52.44	54.00	-1.56	2.91	3	Horizontal	198	1.93	-	49.53	31.78	5.67	34.54
AV	5.5854G	108.24	Inf	-Inf	3.10	3	Horizontal	198	1.93	-	105.14	31.94	5.73	34.57
PK	5.4594G	67.55	74.00	-6.45	2.91	3	Horizontal	198	1.93	-	64.64	31.78	5.67	34.54
PK	5.4678G	68.12	68.20	-0.08	2.91	3	Horizontal	198	1.93	-	65.21	31.79	5.67	34.54
PK	5.5848G	118.47	Inf	-Inf	3.10	3	Horizontal	198	1.93	-	115.37	31.94	5.73	34.57
PK	5.73G	57.35	68.20	-10.85	3.40	3	Horizontal	198	1.93	-	53.96	32.17	5.83	34.61

802.11a_Nss1,(6Mbps)_4TX

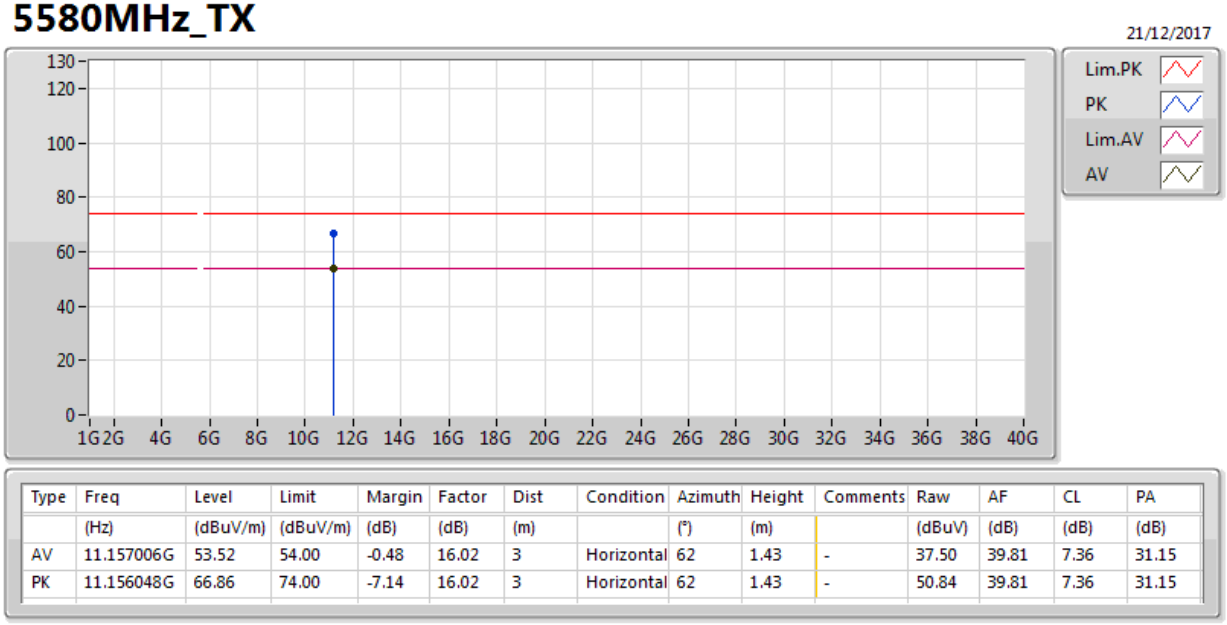
5580MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.157645G	52.60	54.00	-1.40	16.02	3	Vertical	329	1.44	-	36.58	39.81	7.36	31.15
PK	11.157285G	64.94	74.00	-9.06	16.02	3	Vertical	329	1.44	-	48.91	39.81	7.36	31.15

802.11a_Nss1,(6Mbps)_4TX

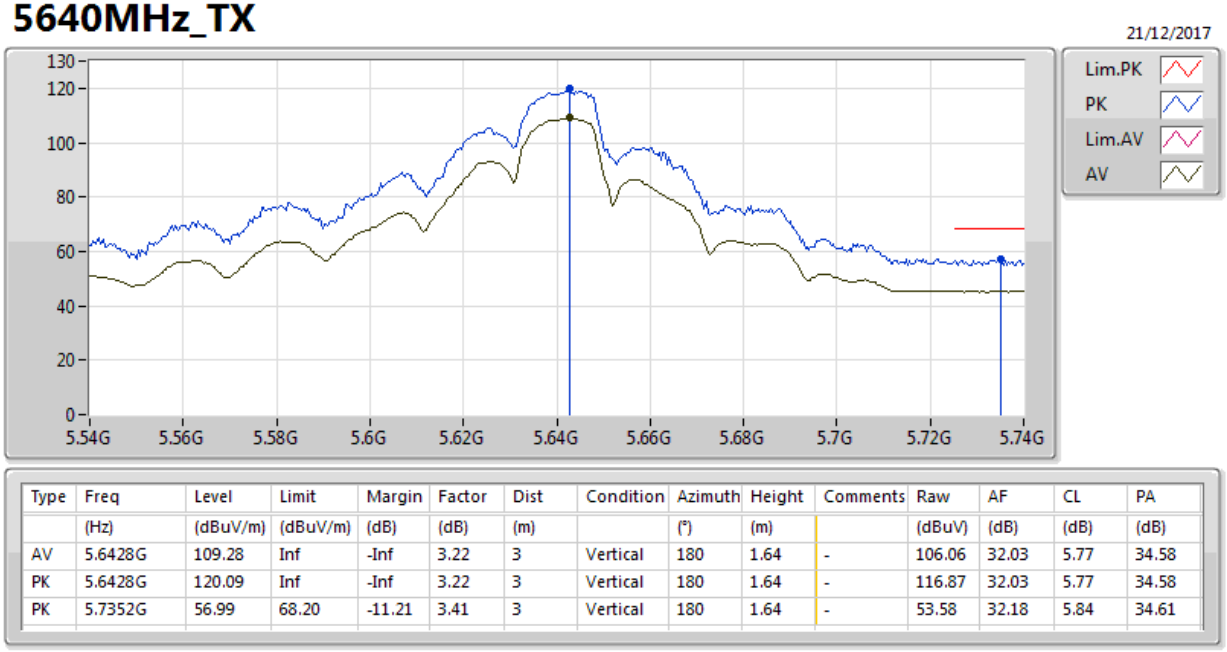
5580MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.157006G	53.52	54.00	-0.48	16.02	3	Horizontal	62	1.43	-	37.50	39.81	7.36	31.15
PK	11.156048G	66.86	74.00	-7.14	16.02	3	Horizontal	62	1.43	-	50.84	39.81	7.36	31.15

802.11a_Nss1,(6Mbps)_4TX

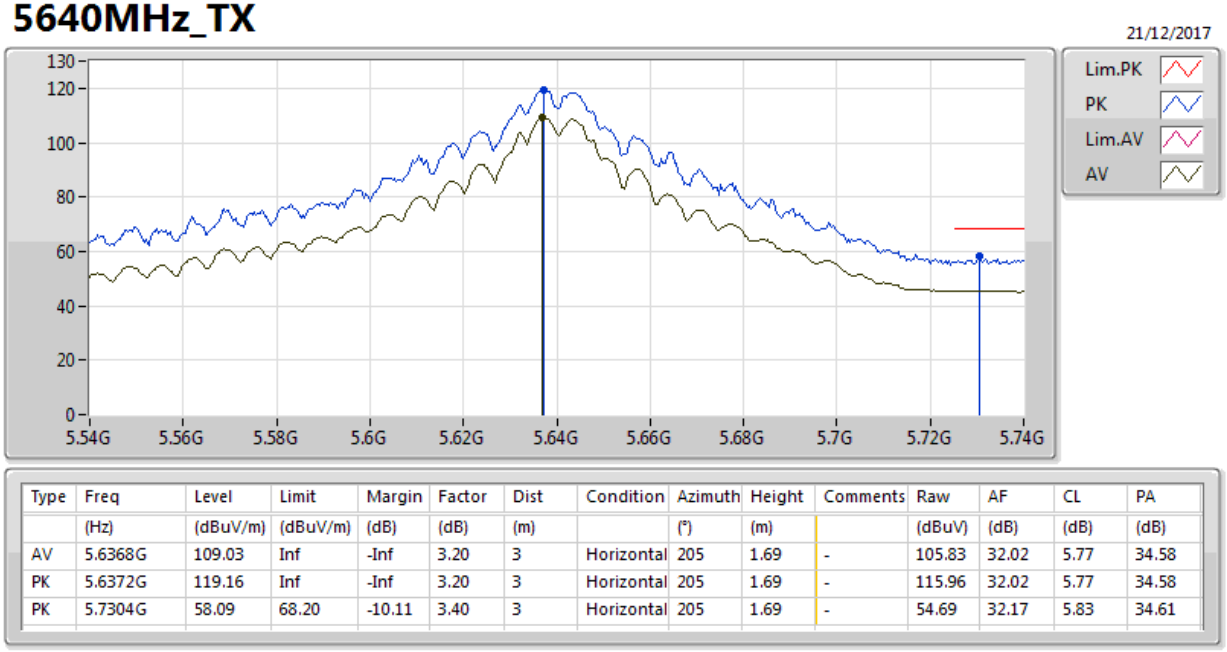
5640MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.6428G	109.28	Inf	-Inf	3.22	3	Vertical	180	1.64	-	106.06	32.03	5.77	34.58
PK	5.6428G	120.09	Inf	-Inf	3.22	3	Vertical	180	1.64	-	116.87	32.03	5.77	34.58
PK	5.7352G	56.99	68.20	-11.21	3.41	3	Vertical	180	1.64	-	53.58	32.18	5.84	34.61

802.11a_Nss1,(6Mbps)_4TX

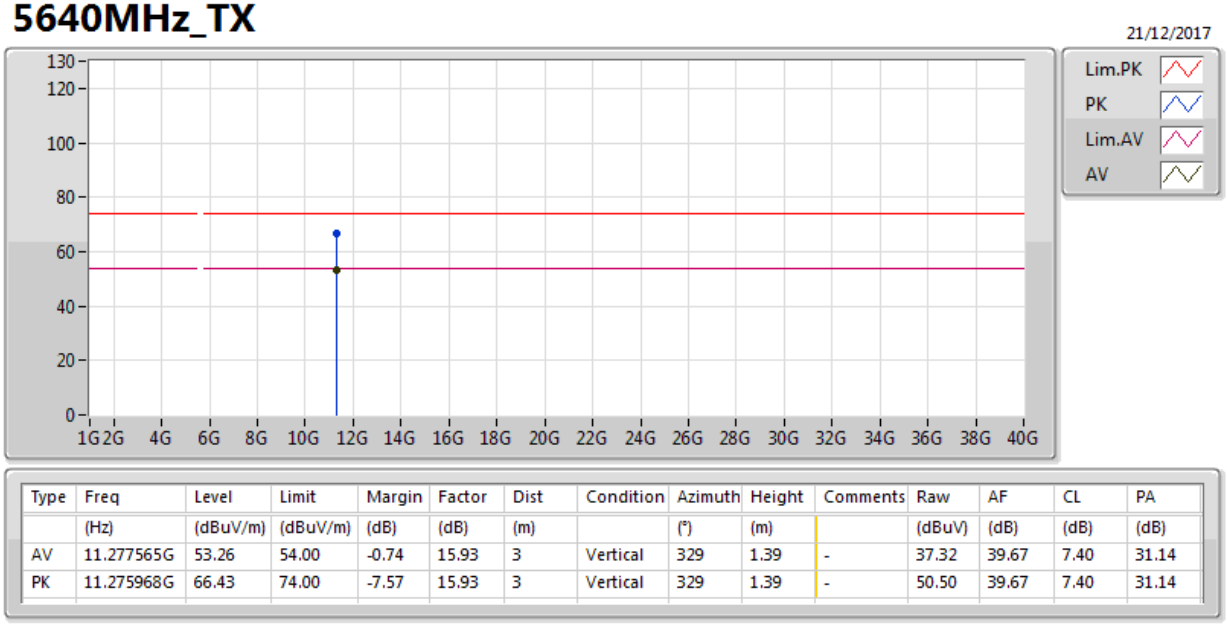
5640MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.6368G	109.03	Inf	-Inf	3.20	3	Horizontal	205	1.69	-	105.83	32.02	5.77	34.58
PK	5.6372G	119.16	Inf	-Inf	3.20	3	Horizontal	205	1.69	-	115.96	32.02	5.77	34.58
PK	5.7304G	58.09	68.20	-10.11	3.40	3	Horizontal	205	1.69	-	54.69	32.17	5.83	34.61

802.11a_Nss1,(6Mbps)_4TX

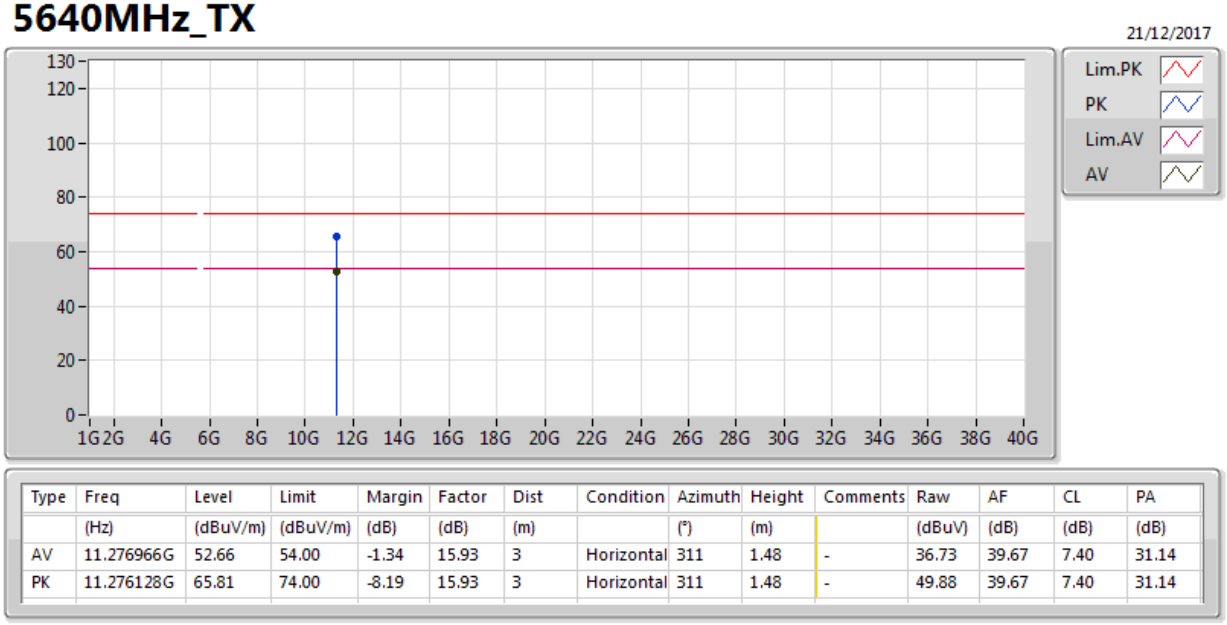
5640MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.277565G	53.26	54.00	-0.74	15.93	3	Vertical	329	1.39	-	37.32	39.67	7.40	31.14
PK	11.275968G	66.43	74.00	-7.57	15.93	3	Vertical	329	1.39	-	50.50	39.67	7.40	31.14

802.11a_Nss1,(6Mbps)_4TX

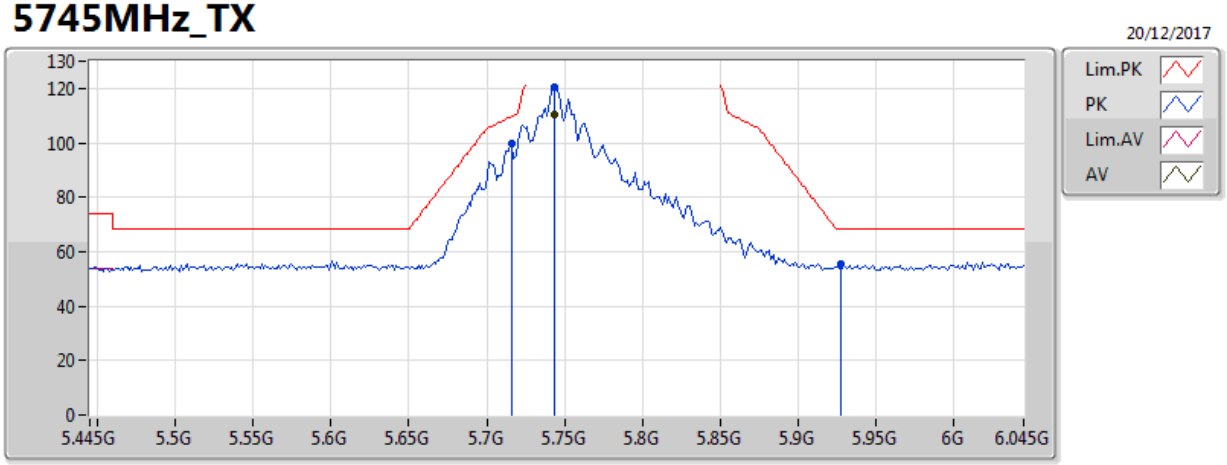
5640MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.276966G	52.66	54.00	-1.34	15.93	3	Horizontal	311	1.48	-	36.73	39.67	7.40	31.14
PK	11.276128G	65.81	74.00	-8.19	15.93	3	Horizontal	311	1.48	-	49.88	39.67	7.40	31.14

802.11a_Nss1,(6Mbps)_4TX

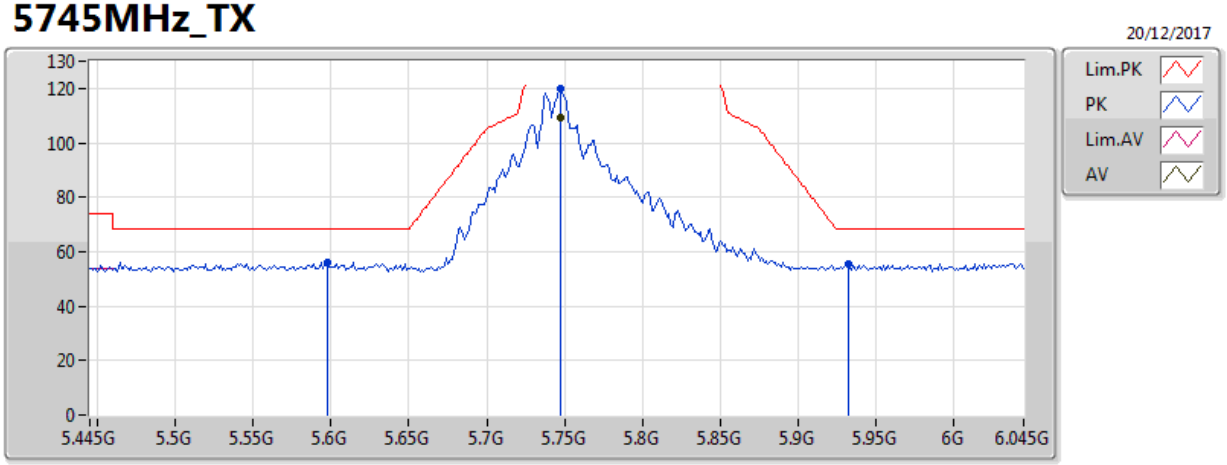
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7438G	110.65	Inf	-Inf	3.43	3	Vertical	185	1.28	-	107.22	32.19	5.85	34.61
PK	5.7162G	99.87	109.74	-9.87	3.37	3	Vertical	185	1.28	-	96.50	32.15	5.82	34.60
PK	5.7438G	120.65	Inf	-Inf	3.43	3	Vertical	185	1.28	-	117.22	32.19	5.85	34.61
PK	5.9274G	55.47	68.20	-12.73	3.80	3	Vertical	185	1.28	-	51.66	32.48	5.98	34.66

802.11a_Nss1,(6Mbps)_4TX

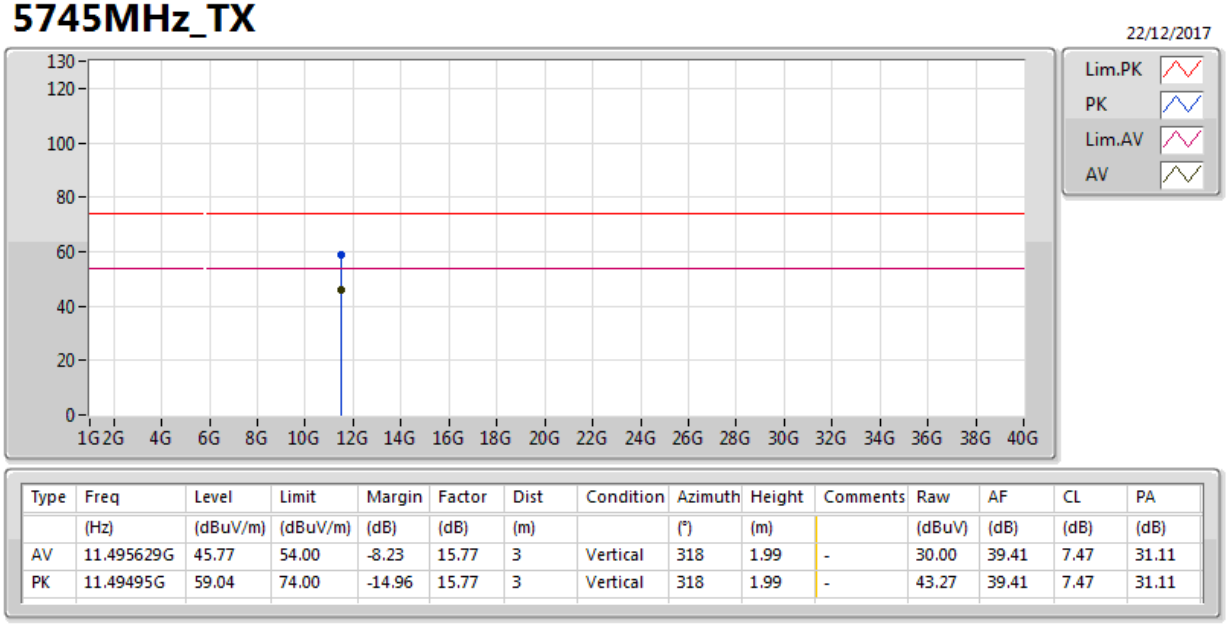
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7474G	109.14	Inf	-Inf	3.43	3	Horizontal	199	1.50	-	105.70	32.20	5.85	34.61
PK	5.5974G	55.90	68.20	-12.30	3.12	3	Horizontal	199	1.50	-	52.77	31.96	5.74	34.57
PK	5.7474G	119.64	Inf	-Inf	3.43	3	Horizontal	199	1.50	-	116.21	32.20	5.85	34.61
PK	5.9322G	55.36	68.20	-12.84	3.81	3	Horizontal	199	1.50	-	51.55	32.49	5.98	34.66

802.11a_Nss1,(6Mbps)_4TX

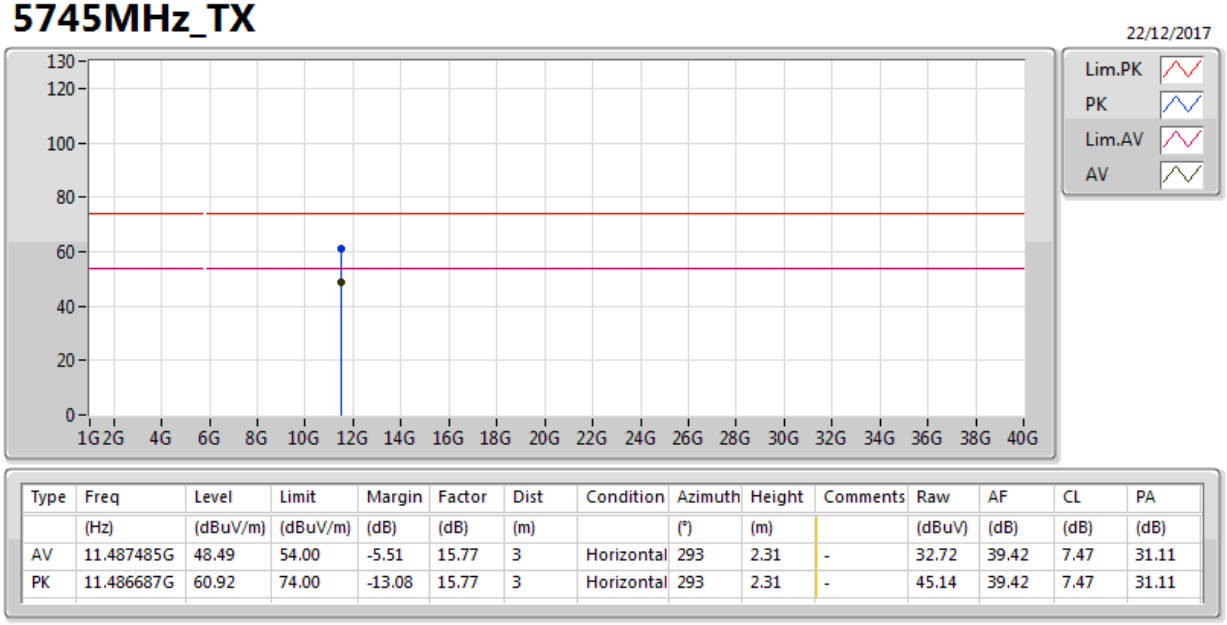
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.495629G	45.77	54.00	-8.23	15.77	3	Vertical	318	1.99	-	30.00	39.41	7.47	31.11
PK	11.49495G	59.04	74.00	-14.96	15.77	3	Vertical	318	1.99	-	43.27	39.41	7.47	31.11

802.11a_Nss1,(6Mbps)_4TX

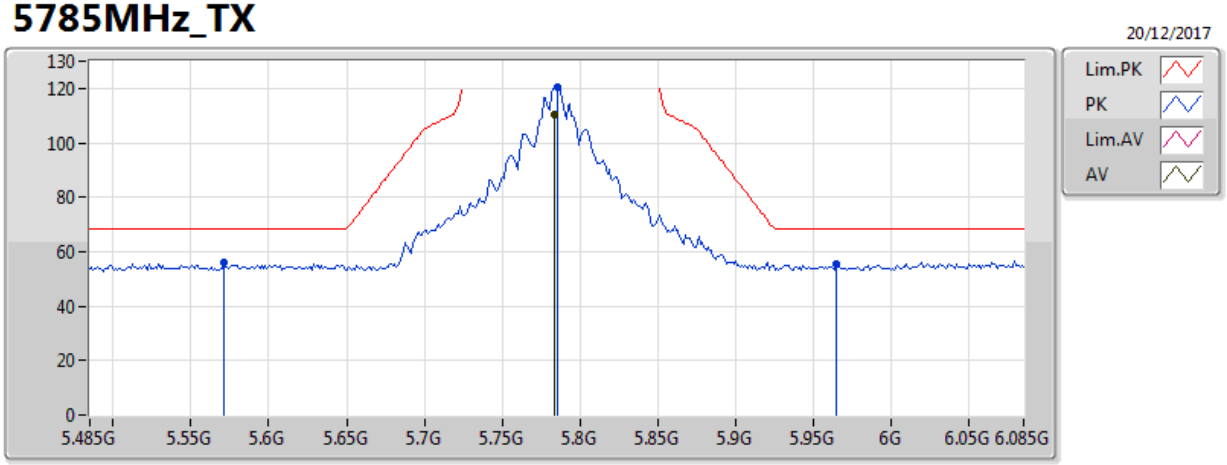
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.487485G	48.49	54.00	-5.51	15.77	3	Horizontal	293	2.31	-	32.72	39.42	7.47	31.11
PK	11.486687G	60.92	74.00	-13.08	15.77	3	Horizontal	293	2.31	-	45.14	39.42	7.47	31.11

802.11a_Nss1,(6Mbps)_4TX

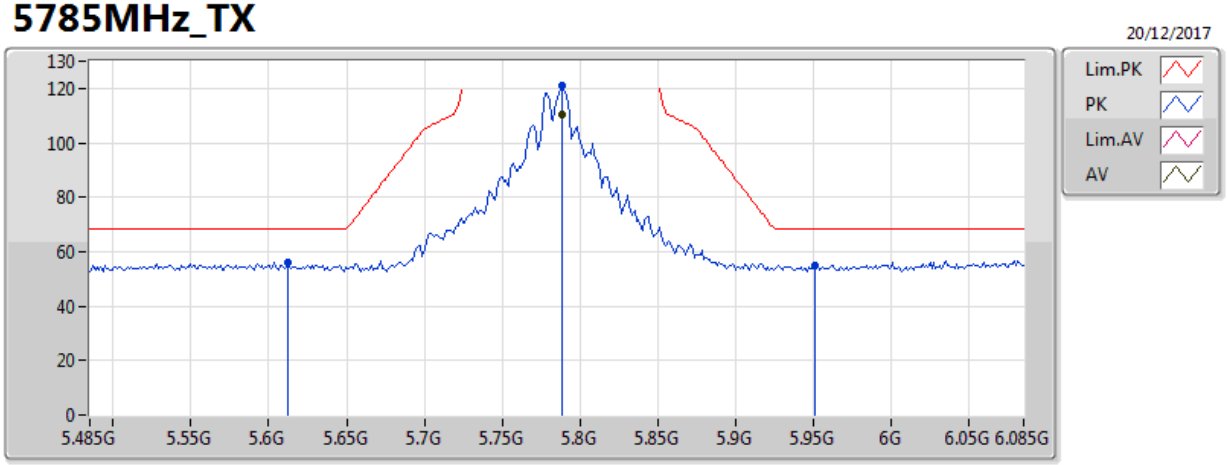
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7838G	110.47	Inf	-Inf	3.51	3	Vertical	190	1.44	-	106.95	32.25	5.88	34.62
PK	5.5714G	56.21	68.20	-11.99	3.07	3	Vertical	190	1.44	-	53.14	31.91	5.72	34.56
PK	5.785G	120.65	Inf	-Inf	3.52	3	Vertical	190	1.44	-	117.13	32.26	5.88	34.62
PK	5.965G	55.27	68.20	-12.93	3.88	3	Vertical	190	1.44	-	51.39	32.54	6.01	34.67

802.11a_Nss1,(6Mbps)_4TX

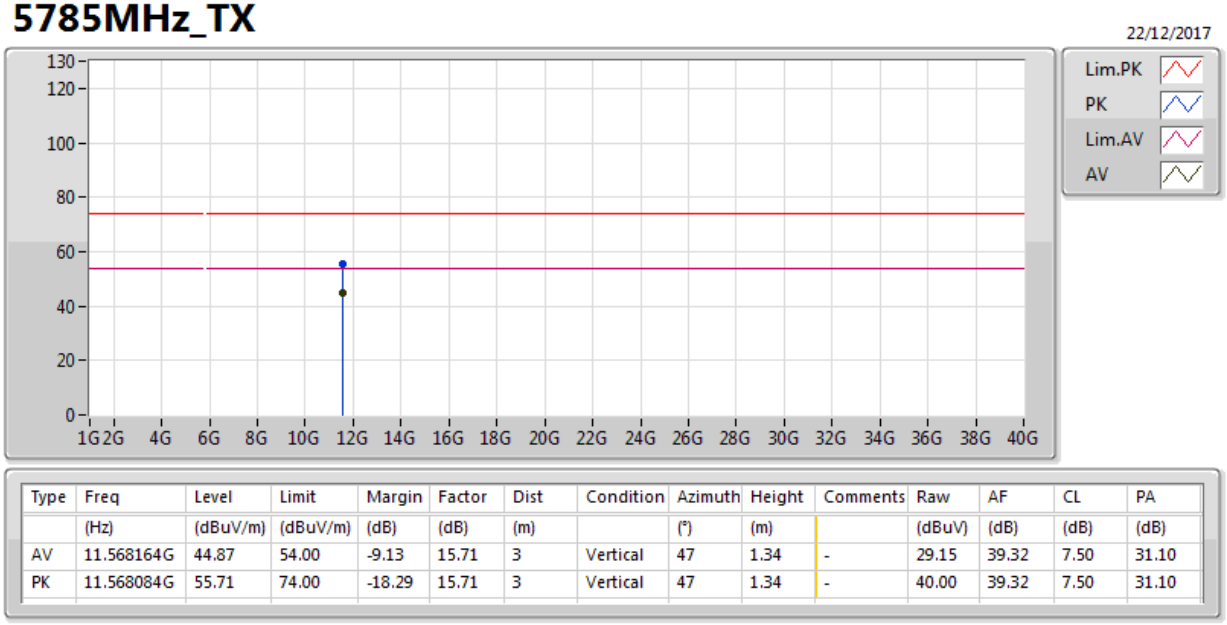
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7886G	110.50	Inf	-Inf	3.52	3	Horizontal	198	1.54	-	106.98	32.26	5.88	34.62
PK	5.6122G	56.18	68.20	-12.02	3.15	3	Horizontal	198	1.54	-	53.02	31.98	5.75	34.57
PK	5.7886G	120.93	Inf	-Inf	3.52	3	Horizontal	198	1.54	-	117.41	32.26	5.88	34.62
PK	5.9506G	54.92	68.20	-13.28	3.85	3	Horizontal	198	1.54	-	51.07	32.52	6.00	34.67

802.11a_Nss1,(6Mbps)_4TX

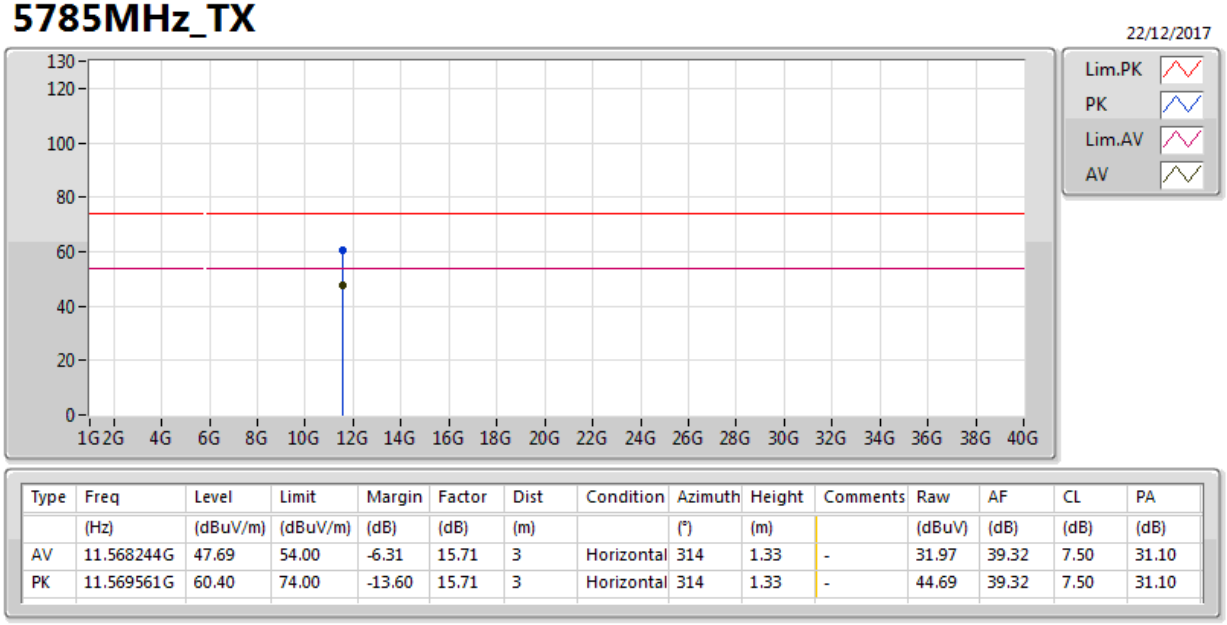
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.568164G	44.87	54.00	-9.13	15.71	3	Vertical	47	1.34	-	29.15	39.32	7.50	31.10
PK	11.568084G	55.71	74.00	-18.29	15.71	3	Vertical	47	1.34	-	40.00	39.32	7.50	31.10

802.11a_Nss1,(6Mbps)_4TX

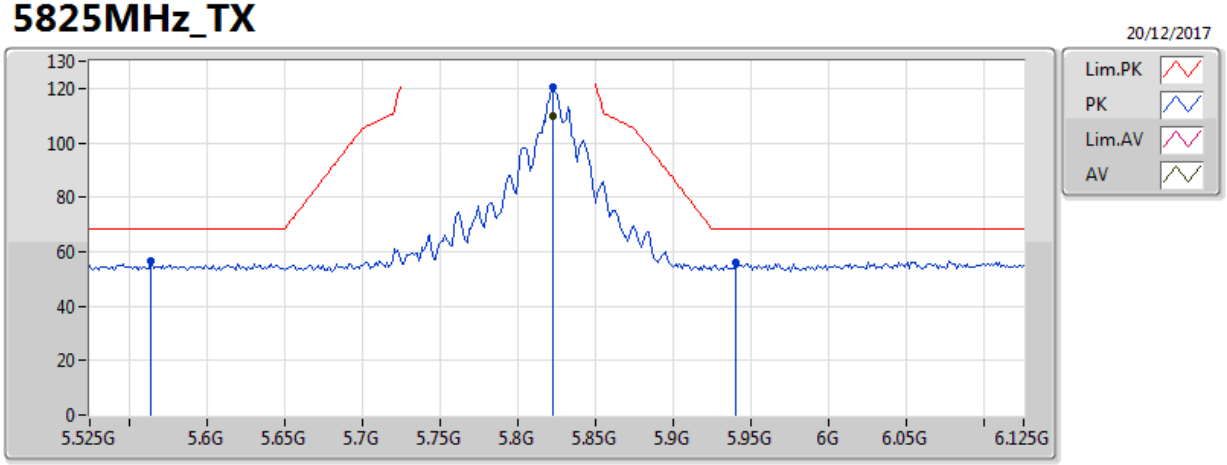
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.568244G	47.69	54.00	-6.31	15.71	3	Horizontal	314	1.33	-	31.97	39.32	7.50	31.10
PK	11.569561G	60.40	74.00	-13.60	15.71	3	Horizontal	314	1.33	-	44.69	39.32	7.50	31.10

802.11a_Nss1,(6Mbps)_4TX

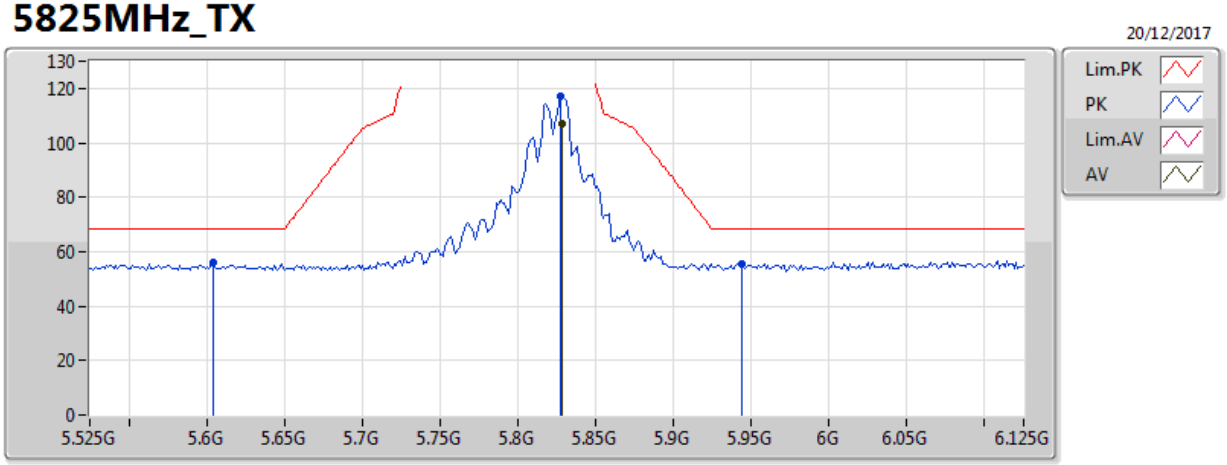
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8226G	109.76	Inf	-Inf	3.60	3	Vertical	186	1.10	-	106.16	32.32	5.91	34.63
PK	5.5646G	56.44	68.20	-11.76	3.06	3	Vertical	186	1.10	-	53.38	31.90	5.72	34.56
PK	5.8226G	120.66	Inf	-Inf	3.60	3	Vertical	186	1.10	-	117.07	32.32	5.91	34.63
PK	5.9402G	55.77	68.20	-12.43	3.83	3	Vertical	186	1.10	-	51.94	32.50	5.99	34.66

802.11a_Nss1,(6Mbps)_4TX

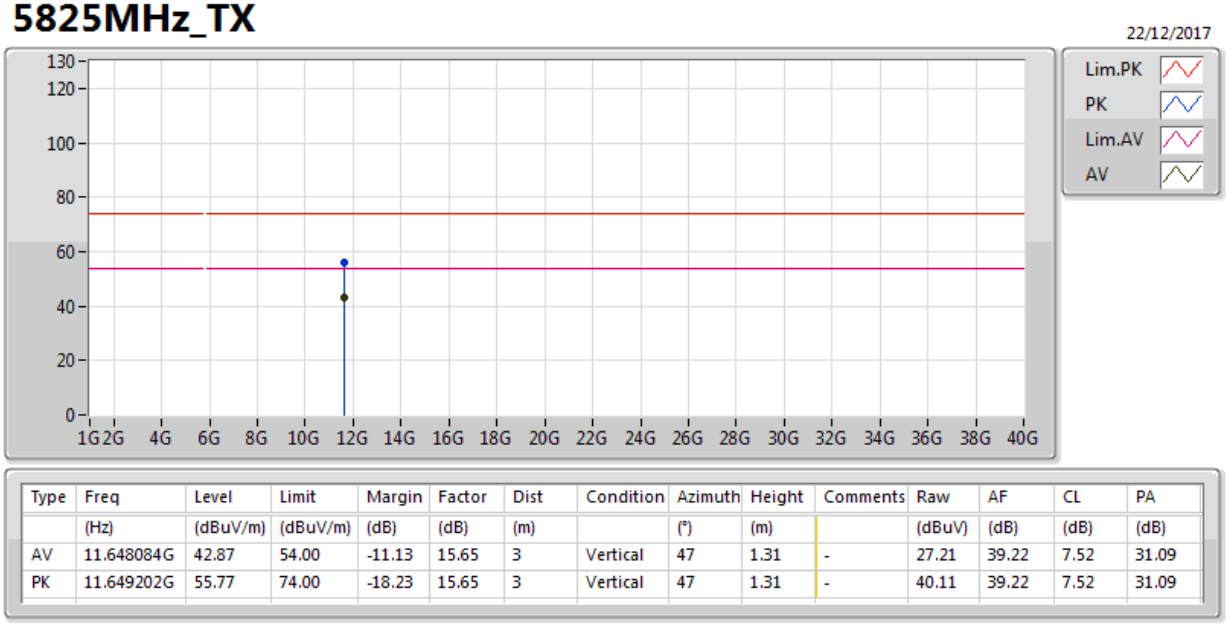
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8286G	107.27	Inf	-Inf	3.61	3	Horizontal	196	1.50	-	103.66	32.33	5.91	34.63
PK	5.6042G	55.79	68.20	-12.41	3.14	3	Horizontal	196	1.50	-	52.65	31.97	5.74	34.57
PK	5.8274G	117.20	Inf	-Inf	3.60	3	Horizontal	196	1.50	-	113.59	32.32	5.91	34.63
PK	5.9438G	55.66	68.20	-12.54	3.84	3	Horizontal	196	1.50	-	51.82	32.51	5.99	34.66

802.11a_Nss1,(6Mbps)_4TX

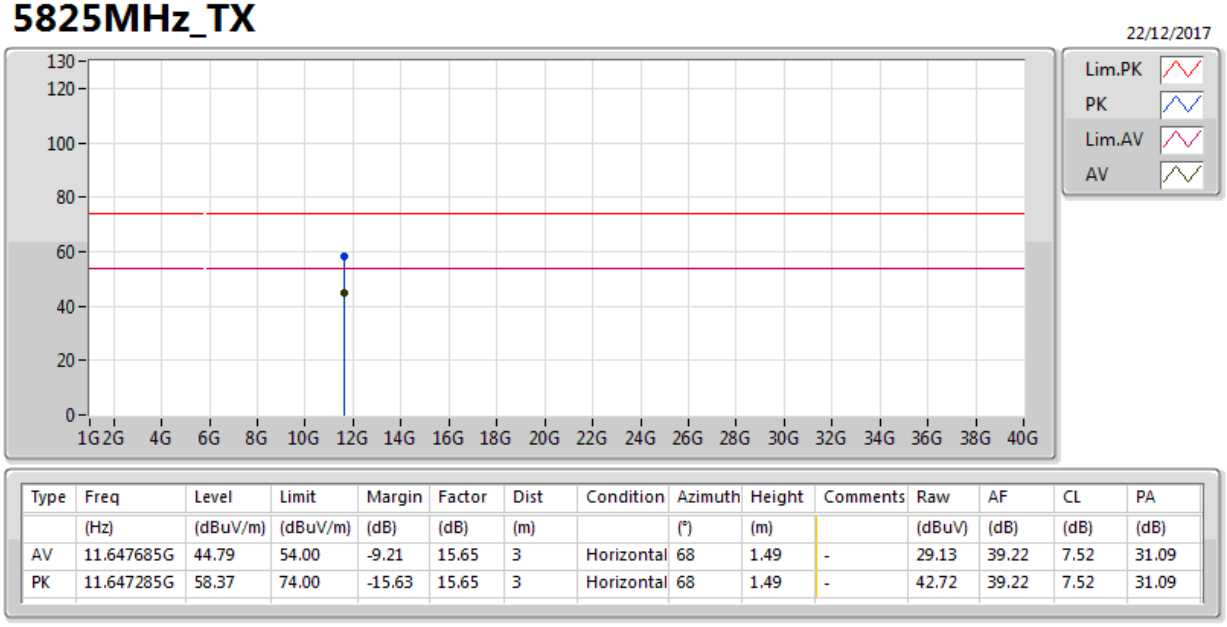
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.648084G	42.87	54.00	-11.13	15.65	3	Vertical	47	1.31	-	27.21	39.22	7.52	31.09
PK	11.649202G	55.77	74.00	-18.23	15.65	3	Vertical	47	1.31	-	40.11	39.22	7.52	31.09

802.11a_Nss1,(6Mbps)_4TX

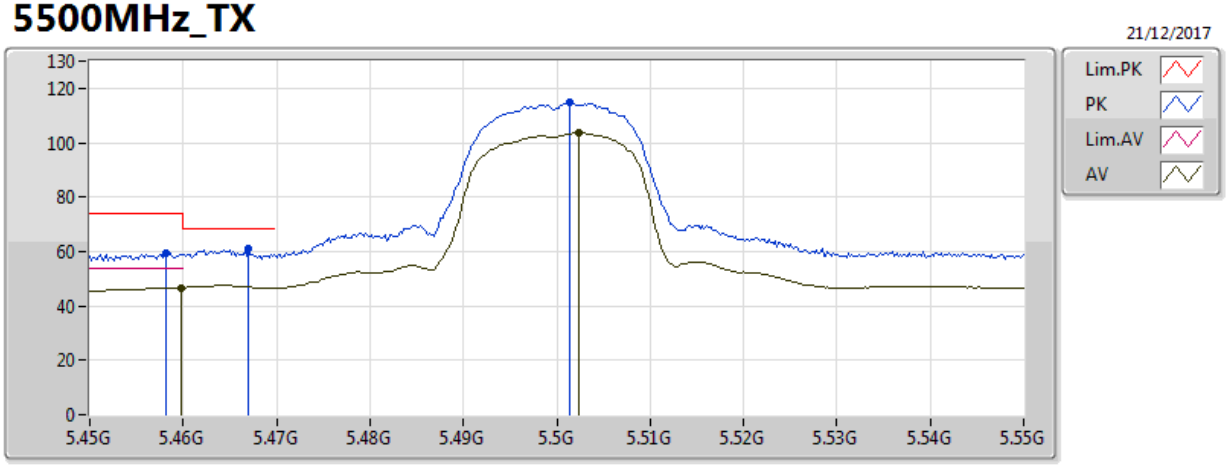
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.647685G	44.79	54.00	-9.21	15.65	3	Horizontal	68	1.49	-	29.13	39.22	7.52	31.09
PK	11.647285G	58.37	74.00	-15.63	15.65	3	Horizontal	68	1.49	-	42.72	39.22	7.52	31.09

802.11ac VHT20_Nss1,(MCS0)_4TX

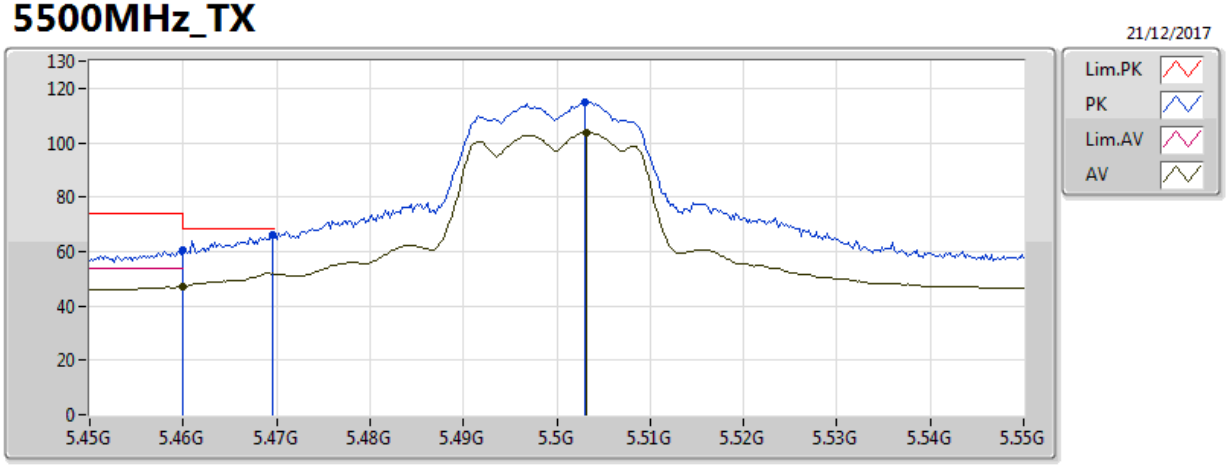
5500MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4598G	46.76	54.00	-7.24	2.91	3	Vertical	180	1.70	-	43.85	31.78	5.67	34.54
AV	5.5024G	103.55	Inf	-Inf	2.93	3	Vertical	180	1.70	-	100.62	31.80	5.67	34.54
PK	5.4582G	59.40	74.00	-14.60	2.91	3	Vertical	180	1.70	-	56.49	31.78	5.67	34.54
PK	5.467G	60.86	68.20	-7.34	2.91	3	Vertical	180	1.70	-	57.95	31.79	5.67	34.54
PK	5.5014G	114.85	Inf	-Inf	2.93	3	Vertical	180	1.70	-	111.92	31.80	5.67	34.54

802.11ac VHT20_Nss1,(MCS0)_4TX

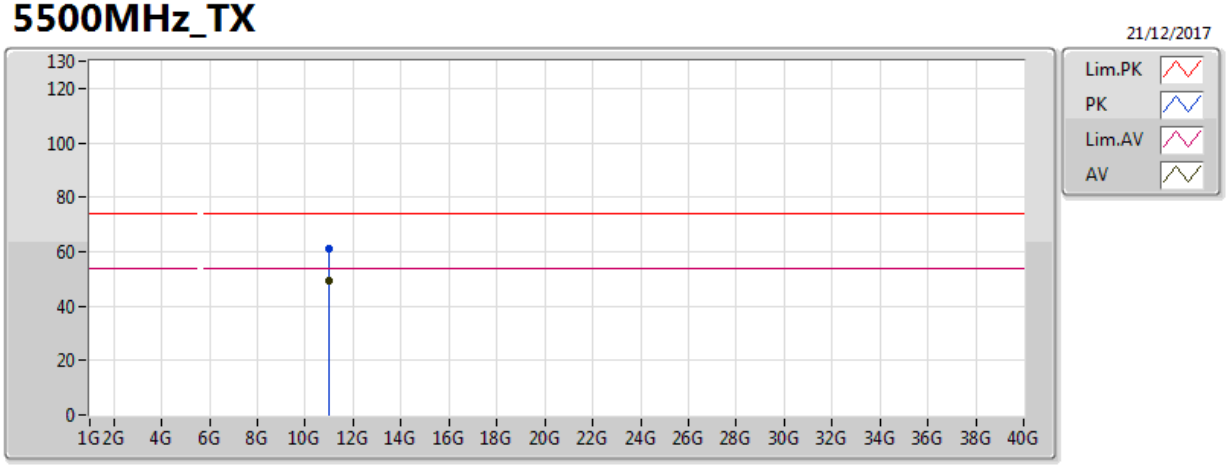
5500MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.46G	47.08	54.00	-6.92	2.91	3	Horizontal	196	1.95	-	44.17	31.78	5.67	34.54
AV	5.5032G	103.84	Inf	-Inf	2.94	3	Horizontal	196	1.95	-	100.91	31.81	5.67	34.54
PK	5.46G	60.66	74.00	-13.34	2.91	3	Horizontal	196	1.95	-	57.75	31.78	5.67	34.54
PK	5.4696G	66.06	68.20	-2.14	2.91	3	Horizontal	196	1.95	-	63.15	31.79	5.67	34.54
PK	5.503G	114.66	Inf	-Inf	2.94	3	Horizontal	196	1.95	-	111.72	31.80	5.67	34.54

802.11ac VHT20_Nss1,(MCS0)_4TX

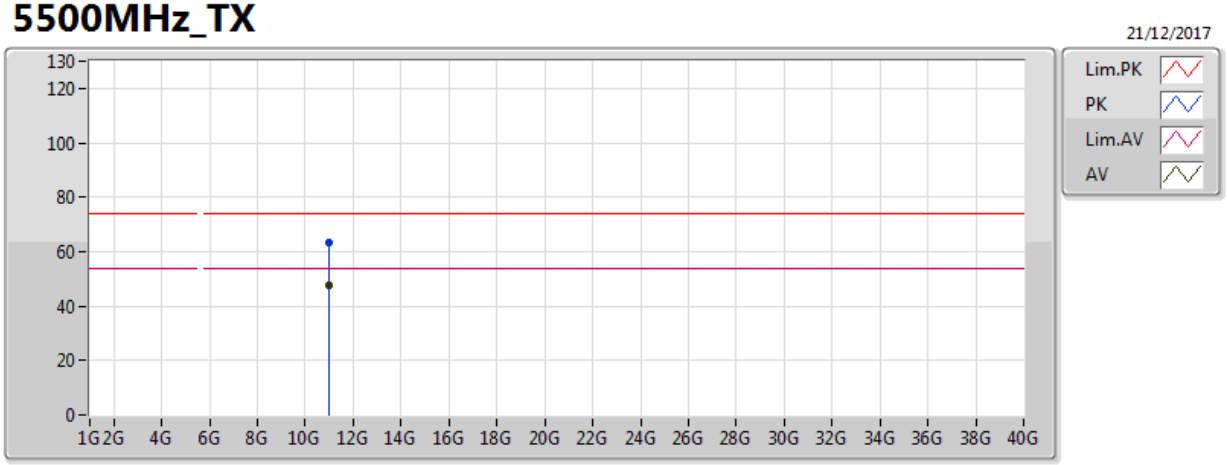
5500MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.998643G	49.09	54.00	-4.91	16.14	3	Vertical	0	1.43	-	32.95	40.00	7.31	31.17
PK	11.002236G	61.23	74.00	-12.77	16.14	3	Vertical	0	1.43	-	45.10	40.00	7.31	31.17

802.11ac VHT20_Nss1,(MCS0)_4TX

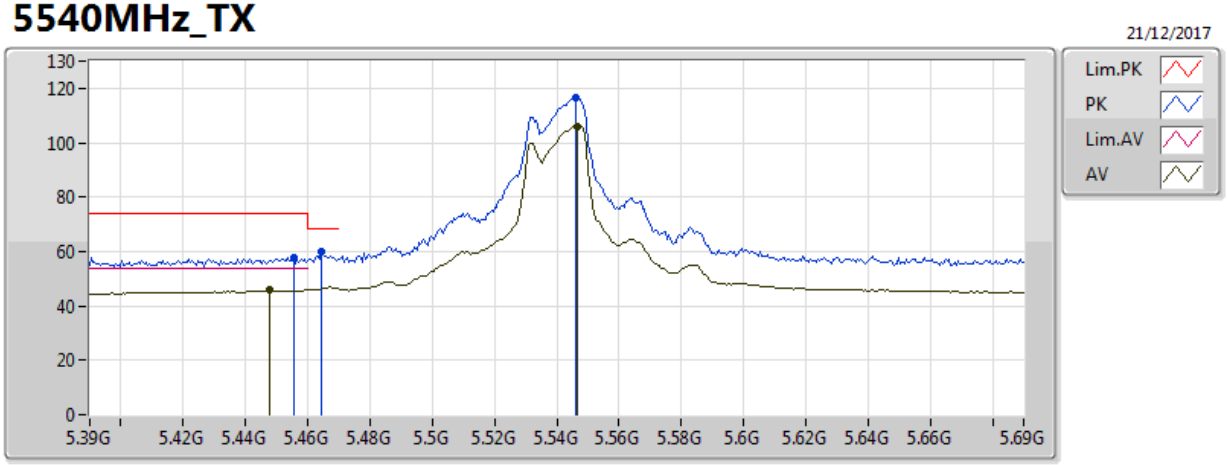
5500MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.005709G	47.83	54.00	-6.17	16.14	3	Horizontal	144	1.56	-	31.70	39.99	7.31	31.17
PK	11.00491G	63.13	74.00	-10.87	16.14	3	Horizontal	144	1.56	-	46.99	39.99	7.31	31.17

802.11ac VHT20_Nss1,(MCS0)_4TX

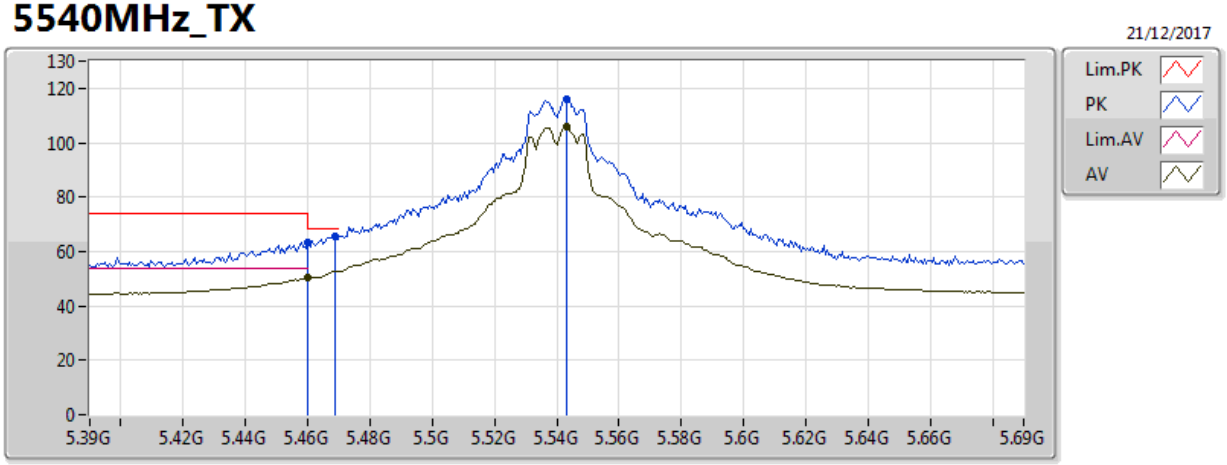
5540MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4476G	45.78	54.00	-8.22	2.90	3	Vertical	177	2.11	-	42.88	31.78	5.66	34.54
AV	5.5466G	105.82	Inf	-Inf	3.02	3	Vertical	177	2.11	-	102.79	31.87	5.70	34.55
PK	5.4554G	57.65	74.00	-16.35	2.91	3	Vertical	177	2.11	-	54.74	31.78	5.67	34.54
PK	5.4644G	59.76	68.20	-8.44	2.91	3	Vertical	177	2.11	-	56.85	31.79	5.67	34.54
PK	5.546G	116.45	Inf	-Inf	3.02	3	Vertical	177	2.11	-	113.42	31.87	5.70	34.55

802.11ac VHT20_Nss1,(MCS0)_4TX

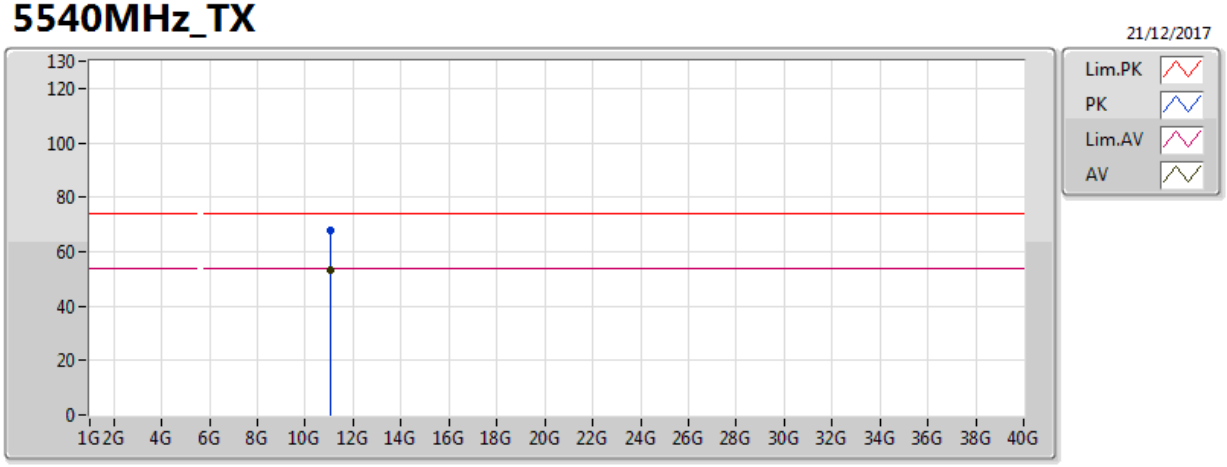
5540MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.459995G	50.38	54.00	-3.62	2.91	3	Horizontal	189	1.72	-	47.47	31.78	5.67	34.54
AV	5.543G	105.63	Inf	-Inf	3.02	3	Horizontal	189	1.72	-	102.61	31.87	5.70	34.55
PK	5.459995G	63.37	74.00	-10.63	2.91	3	Horizontal	189	1.72	-	60.46	31.78	5.67	34.54
PK	5.4686G	65.42	68.20	-2.78	2.91	3	Horizontal	189	1.72	-	62.51	31.79	5.67	34.54
PK	5.543G	115.89	Inf	-Inf	3.02	3	Horizontal	189	1.72	-	112.87	31.87	5.70	34.55

802.11ac VHT20_Nss1,(MCS0)_4TX

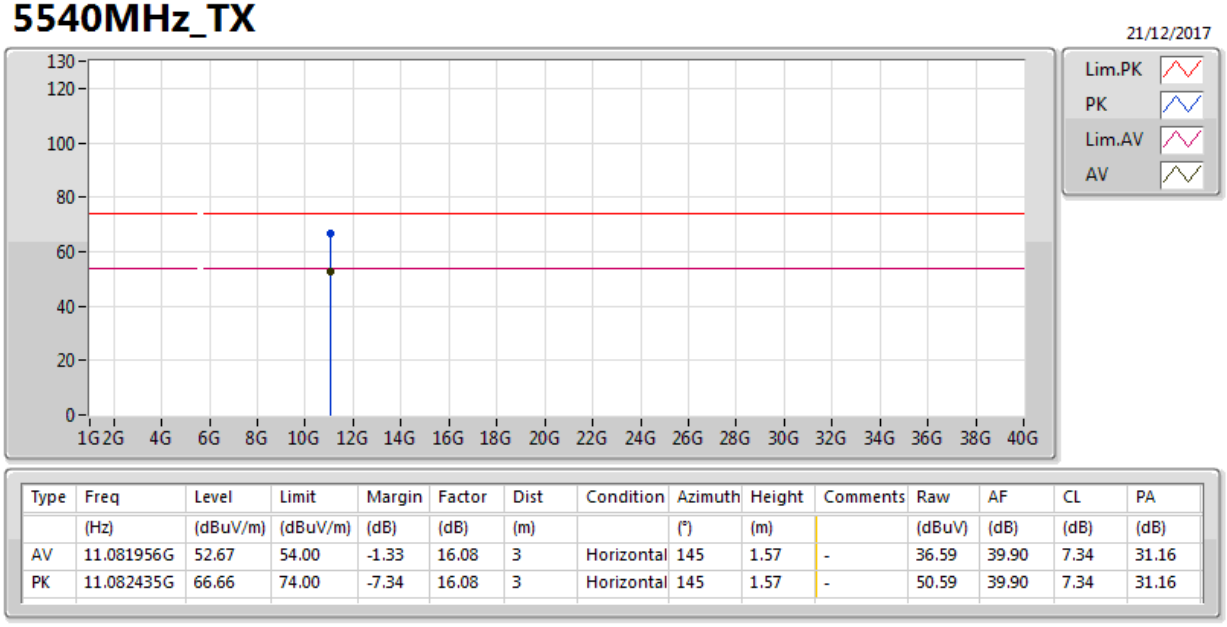
5540MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.074331G	53.44	54.00	-0.56	16.08	3	Vertical	355	1.39	-	37.36	39.91	7.33	31.16
PK	11.075569G	67.56	74.00	-6.44	16.08	3	Vertical	355	1.39	-	51.47	39.91	7.33	31.16

802.11ac VHT20_Nss1,(MCS0)_4TX

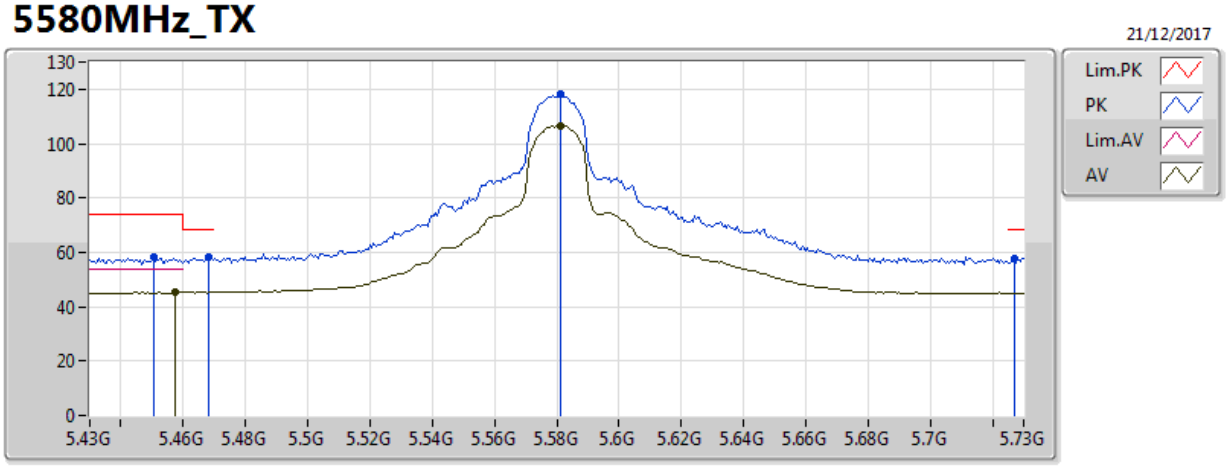
5540MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.081956G	52.67	54.00	-1.33	16.08	3	Horizontal	145	1.57	-	36.59	39.90	7.34	31.16
PK	11.082435G	66.66	74.00	-7.34	16.08	3	Horizontal	145	1.57	-	50.59	39.90	7.34	31.16

802.11ac VHT20_Nss1,(MCS0)_4TX

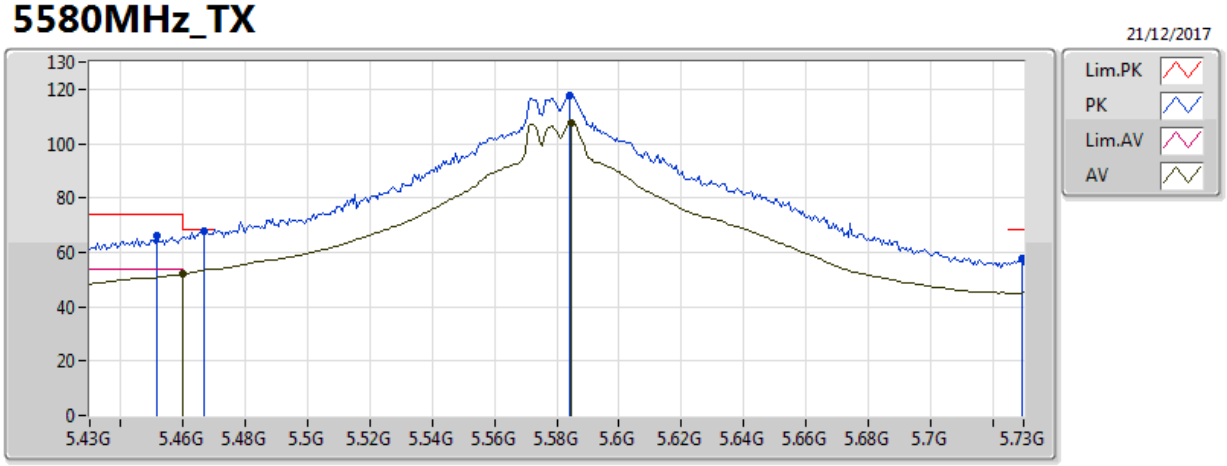
5580MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4576G	45.23	54.00	-8.77	2.91	3	Vertical	179	1.49	-	42.32	31.78	5.67	34.54
AV	5.5812G	106.74	Inf	-Inf	3.09	3	Vertical	179	1.49	-	103.64	31.93	5.73	34.56
PK	5.4504G	58.27	74.00	-15.73	2.91	3	Vertical	179	1.49	-	55.37	31.78	5.67	34.54
PK	5.4684G	58.12	68.20	-10.08	2.91	3	Vertical	179	1.49	-	55.21	31.79	5.67	34.54
PK	5.5812G	118.22	Inf	-Inf	3.09	3	Vertical	179	1.49	-	115.13	31.93	5.73	34.56
PK	5.727G	57.93	68.20	-10.27	3.39	3	Vertical	179	1.49	-	54.54	32.16	5.83	34.61

802.11ac VHT20_Nss1,(MCS0)_4TX

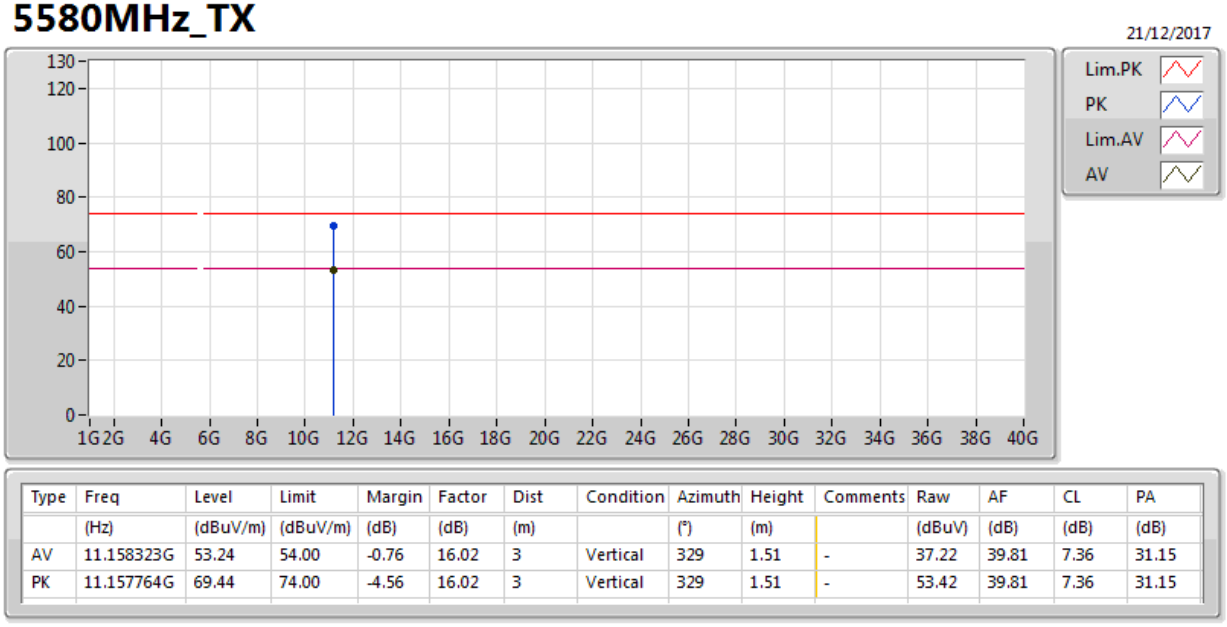
5580MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.46G	51.95	54.00	-2.05	2.91	3	Horizontal	200	1.93	-	49.04	31.78	5.67	34.54
AV	5.5848G	107.63	Inf	-Inf	3.10	3	Horizontal	200	1.93	-	104.53	31.94	5.73	34.57
PK	5.4516G	65.88	74.00	-8.12	2.91	3	Horizontal	200	1.93	-	62.98	31.78	5.67	34.54
PK	5.4666G	67.84	68.20	-0.36	2.91	3	Horizontal	200	1.93	-	64.93	31.79	5.67	34.54
PK	5.5842G	117.43	Inf	-Inf	3.10	3	Horizontal	200	1.93	-	114.33	31.93	5.73	34.57
PK	5.7294G	57.86	68.20	-10.34	3.39	3	Horizontal	200	1.93	-	54.47	32.17	5.83	34.61

802.11ac VHT20_Nss1,(MCS0)_4TX

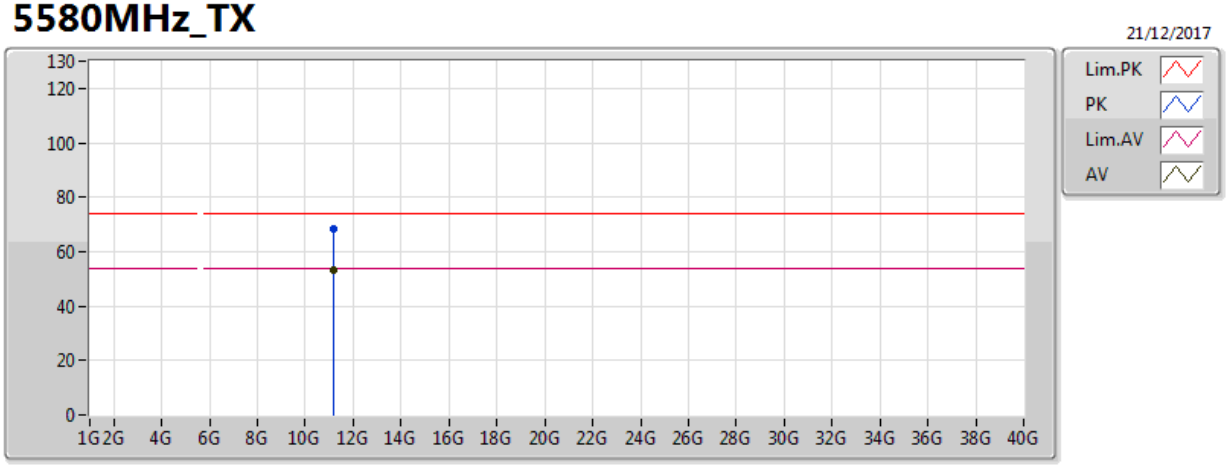
5580MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.158323G	53.24	54.00	-0.76	16.02	3	Vertical	329	1.51	-	37.22	39.81	7.36	31.15
PK	11.157764G	69.44	74.00	-4.56	16.02	3	Vertical	329	1.51	-	53.42	39.81	7.36	31.15

802.11ac VHT20_Nss1,(MCS0)_4TX

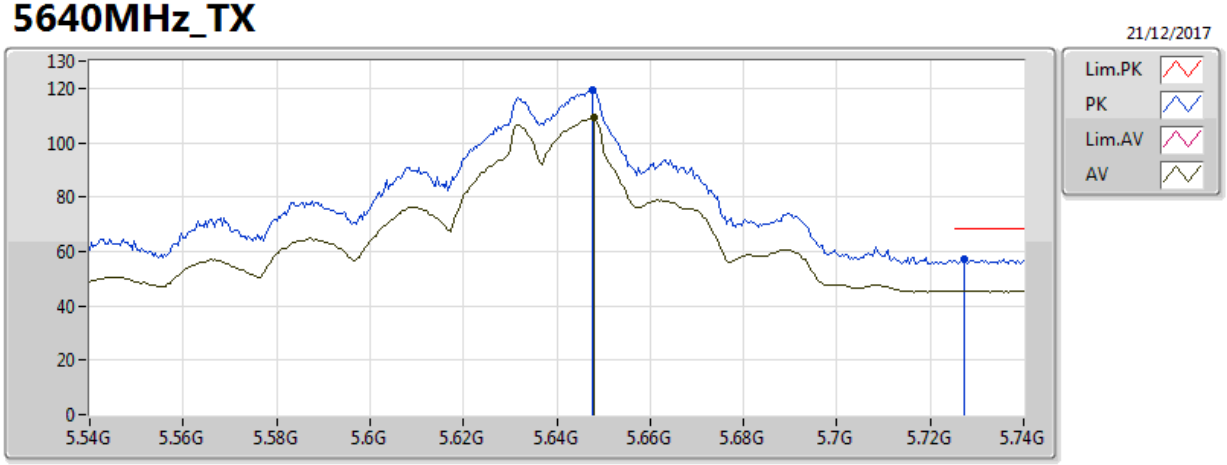
5580MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.156846G	53.39	54.00	-0.61	16.02	3	Horizontal	61	1.47	-	37.37	39.81	7.36	31.15
PK	11.157605G	68.46	74.00	-5.54	16.02	3	Horizontal	61	1.47	-	52.44	39.81	7.36	31.15

802.11ac VHT20_Nss1,(MCS0)_4TX

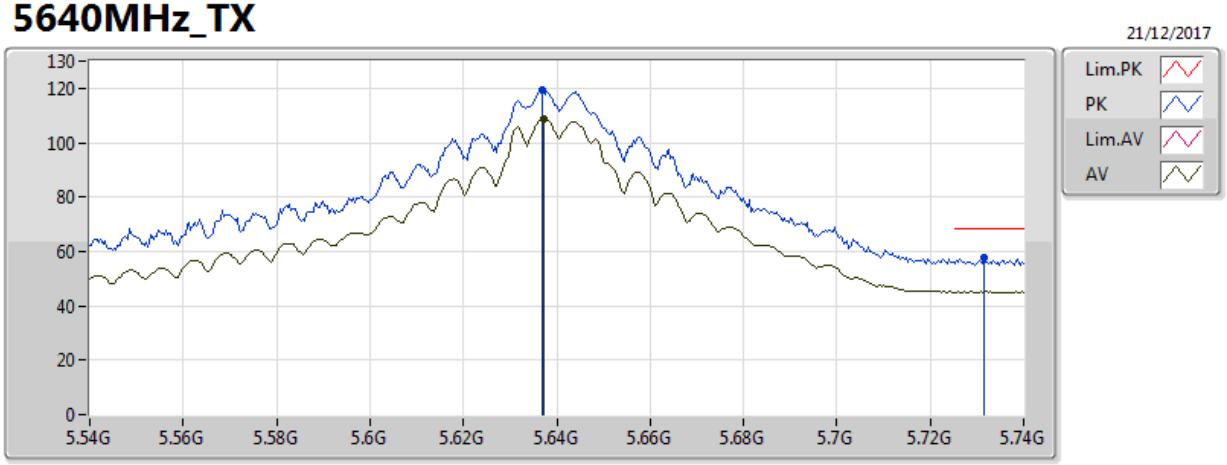
5640MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.648G	109.26	Inf	-Inf	3.23	3	Vertical	181	2.11	-	106.03	32.04	5.77	34.58
PK	5.6476G	119.32	Inf	-Inf	3.23	3	Vertical	181	2.11	-	116.09	32.04	5.77	34.58
PK	5.7272G	57.17	68.20	-11.03	3.39	3	Vertical	181	2.11	-	53.78	32.16	5.83	34.61

802.11ac VHT20_Nss1,(MCS0)_4TX

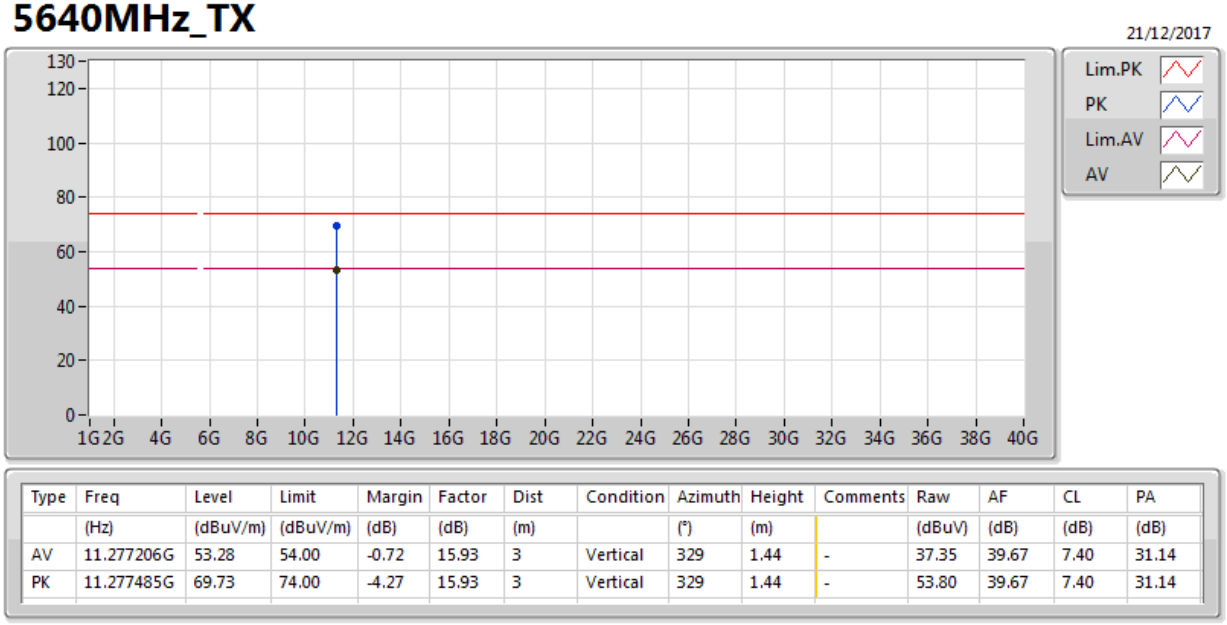
5640MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.6372G	108.60	Inf	-Inf	3.20	3	Horizontal	207	1.68	-	105.40	32.02	5.77	34.58
PK	5.6368G	119.22	Inf	-Inf	3.20	3	Horizontal	207	1.68	-	116.02	32.02	5.77	34.58
PK	5.7316G	57.48	68.20	-10.72	3.40	3	Horizontal	207	1.68	-	54.08	32.17	5.84	34.61

802.11ac VHT20_Nss1,(MCS0)_4TX

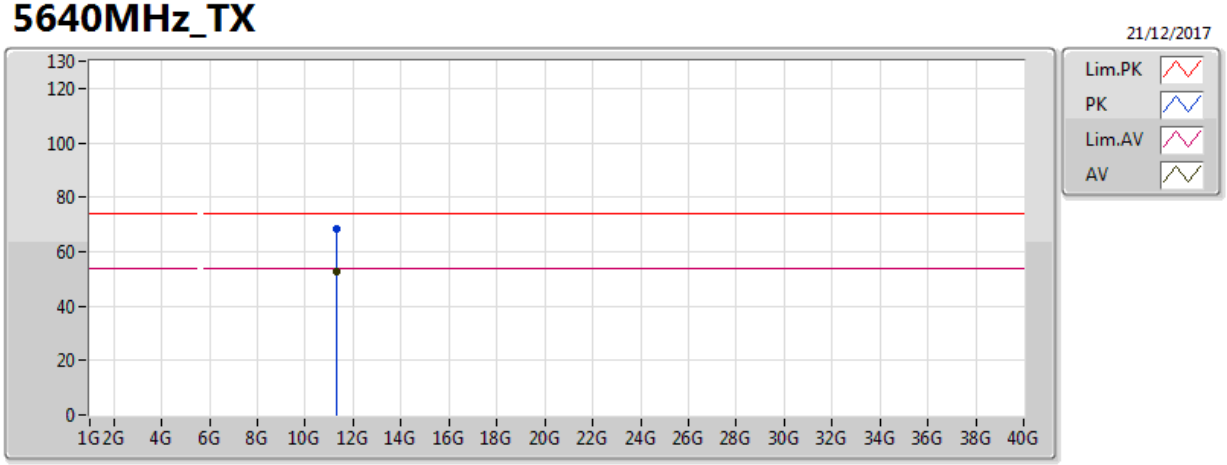
5640MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.277206G	53.28	54.00	-0.72	15.93	3	Vertical	329	1.44	-	37.35	39.67	7.40	31.14
PK	11.277485G	69.73	74.00	-4.27	15.93	3	Vertical	329	1.44	-	53.80	39.67	7.40	31.14

802.11ac VHT20_Nss1,(MCS0)_4TX

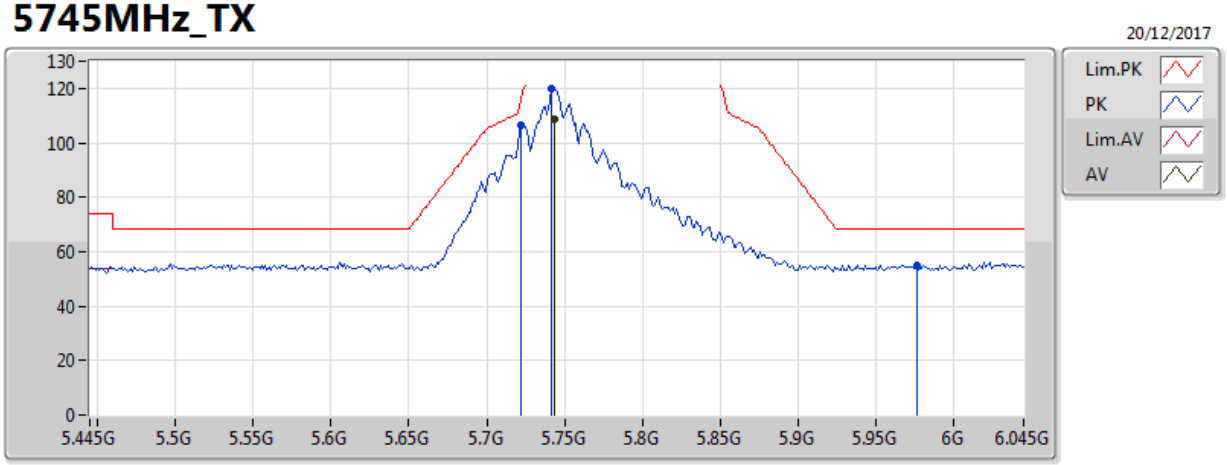
5640MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.276846G	52.52	54.00	-1.48	15.93	3	Horizontal	310	1.47	-	36.59	39.67	7.40	31.14
PK	11.277605G	68.30	74.00	-5.70	15.93	3	Horizontal	310	1.47	-	52.37	39.67	7.40	31.14

802.11ac VHT20_Nss1,(MCS0)_4TX

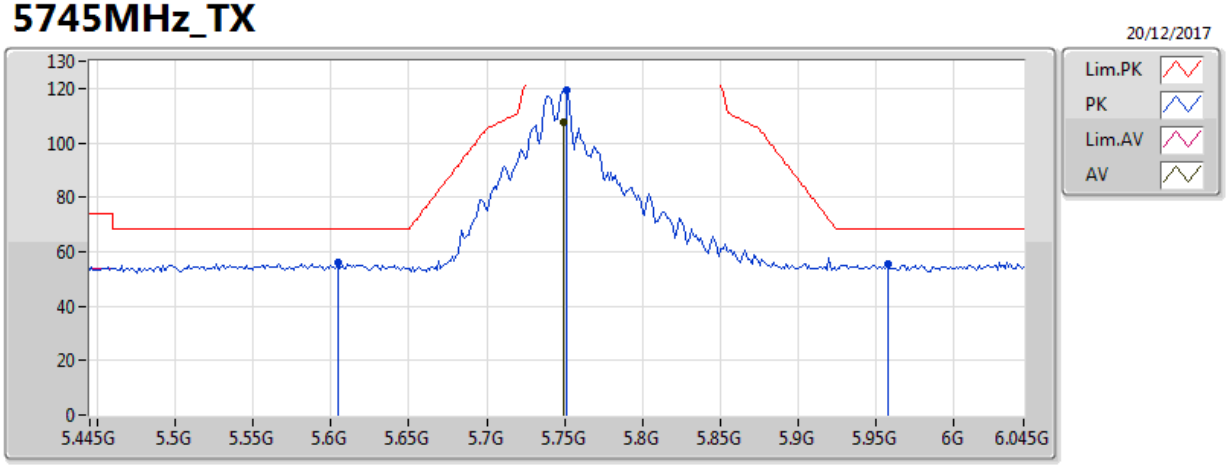
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7438G	108.65	Inf	-Inf	3.43	3	Vertical	186	1.29	-	105.22	32.19	5.85	34.61
PK	5.7222G	106.35	115.82	-9.47	3.38	3	Vertical	186	1.29	-	102.97	32.16	5.83	34.60
PK	5.7414G	119.99	Inf	-Inf	3.42	3	Vertical	186	1.29	-	116.57	32.19	5.84	34.61
PK	5.9766G	55.06	68.20	-13.14	3.90	3	Vertical	186	1.29	-	51.15	32.56	6.01	34.67

802.11ac VHT20_Nss1,(MCS0)_4TX

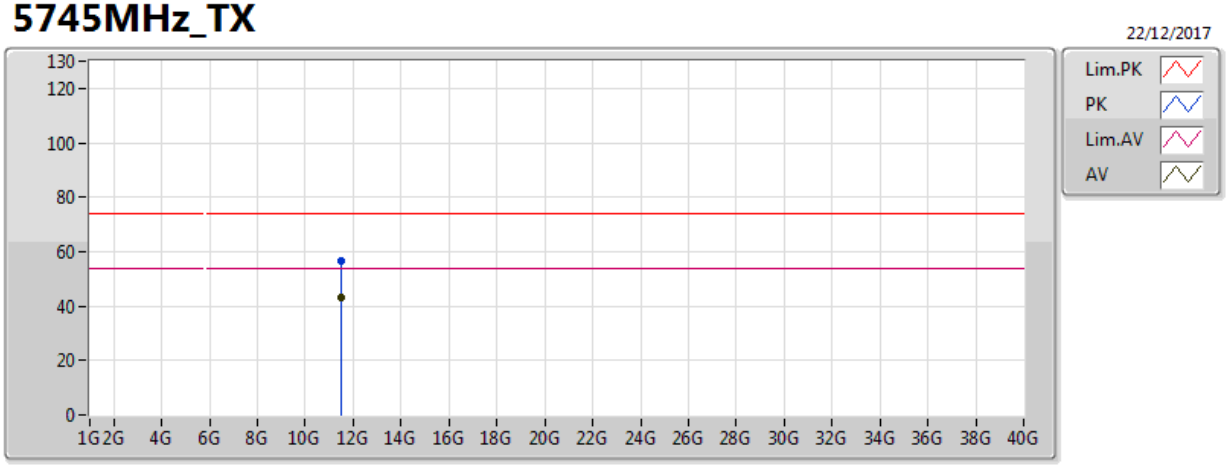
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7498G	107.81	Inf	-Inf	3.44	3	Horizontal	201	1.95	-	104.37	32.20	5.85	34.61
PK	5.6046G	56.03	68.20	-12.17	3.14	3	Horizontal	201	1.95	-	52.89	31.97	5.74	34.57
PK	5.751G	119.55	Inf	-Inf	3.44	3	Horizontal	201	1.95	-	116.11	32.20	5.85	34.61
PK	5.9574G	55.20	68.20	-13.00	3.86	3	Horizontal	201	1.95	-	51.33	32.53	6.00	34.67

802.11ac VHT20_Nss1,(MCS0)_4TX

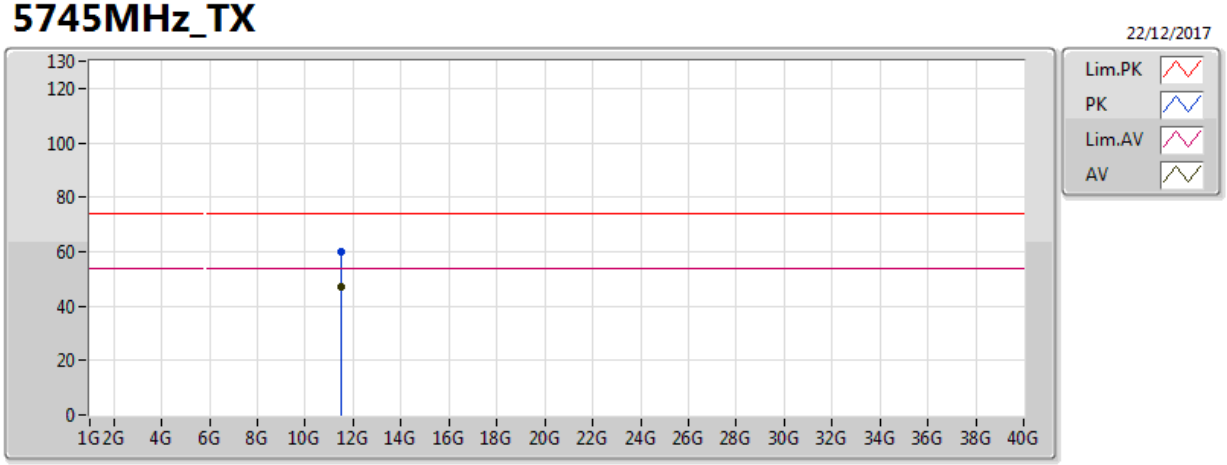
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.493074G	43.22	54.00	-10.78	15.77	3	Vertical	311	2.99	-	27.45	39.41	7.47	31.11
PK	11.481896G	56.57	74.00	-17.43	15.78	3	Vertical	311	2.99	-	40.79	39.42	7.47	31.11

802.11ac VHT20_Nss1,(MCS0)_4TX

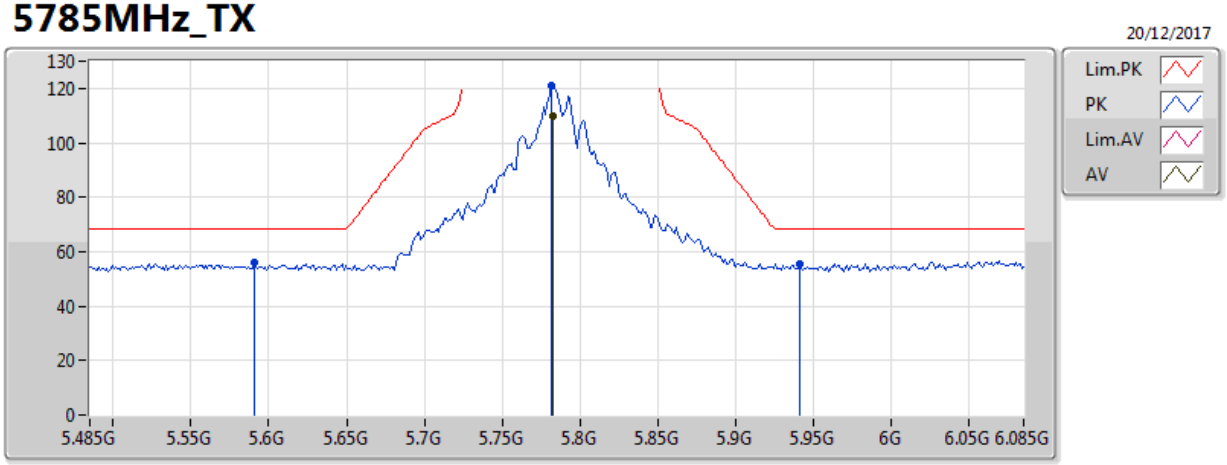
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.487046G	47.19	54.00	-6.81	15.77	3	Horizontal	296	2.31	-	31.42	39.42	7.47	31.11
PK	11.486407G	59.98	74.00	-14.02	15.78	3	Horizontal	296	2.31	-	44.20	39.42	7.47	31.11

802.11ac VHT20_Nss1,(MCS0)_4TX

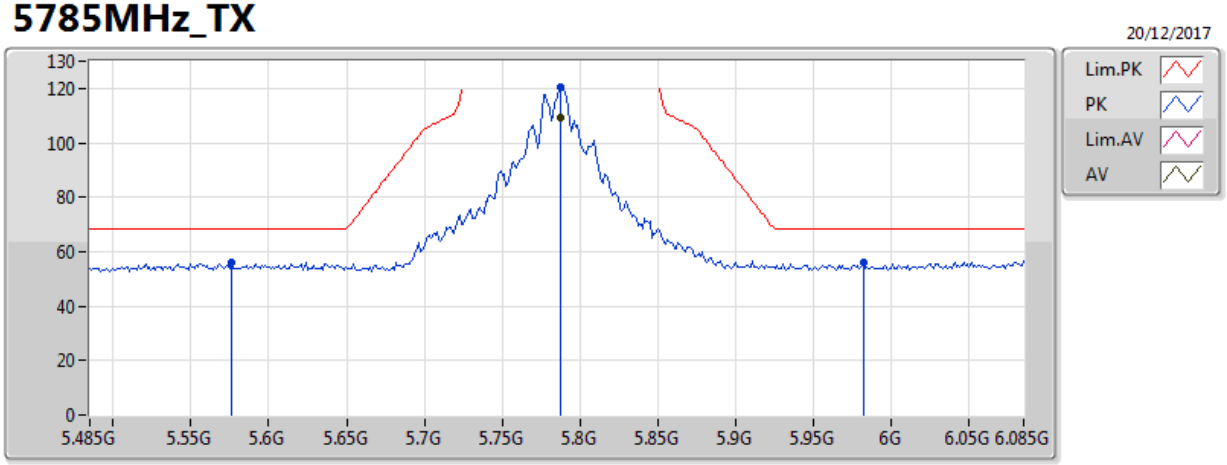
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7826G	109.55	Inf	-Inf	3.51	3	Vertical	187	1.07	-	106.04	32.25	5.88	34.62
PK	5.5906G	56.18	68.20	-12.02	3.11	3	Vertical	187	1.07	-	53.07	31.94	5.73	34.57
PK	5.7814G	121.26	Inf	-Inf	3.51	3	Vertical	187	1.07	-	117.75	32.25	5.88	34.62
PK	5.941G	55.49	68.20	-12.71	3.83	3	Vertical	187	1.07	-	51.66	32.51	5.99	34.66

802.11ac VHT20_Nss1,(MCS0)_4TX

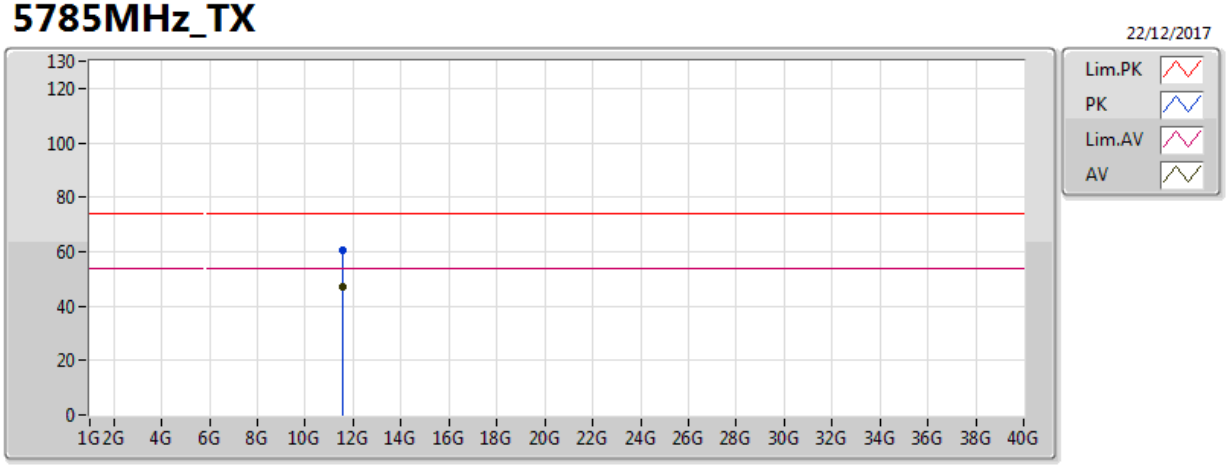
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7874G	109.24	Inf	-Inf	3.52	3	Horizontal	199	1.40	-	105.72	32.26	5.88	34.62
PK	5.5762G	56.04	68.20	-12.16	3.08	3	Horizontal	199	1.40	-	52.96	31.92	5.72	34.56
PK	5.7874G	120.34	Inf	-Inf	3.52	3	Horizontal	199	1.40	-	116.82	32.26	5.88	34.62
PK	5.9818G	56.21	68.20	-11.99	3.91	3	Horizontal	199	1.40	-	52.30	32.57	6.02	34.67

802.11ac VHT20_Nss1,(MCS0)_4TX

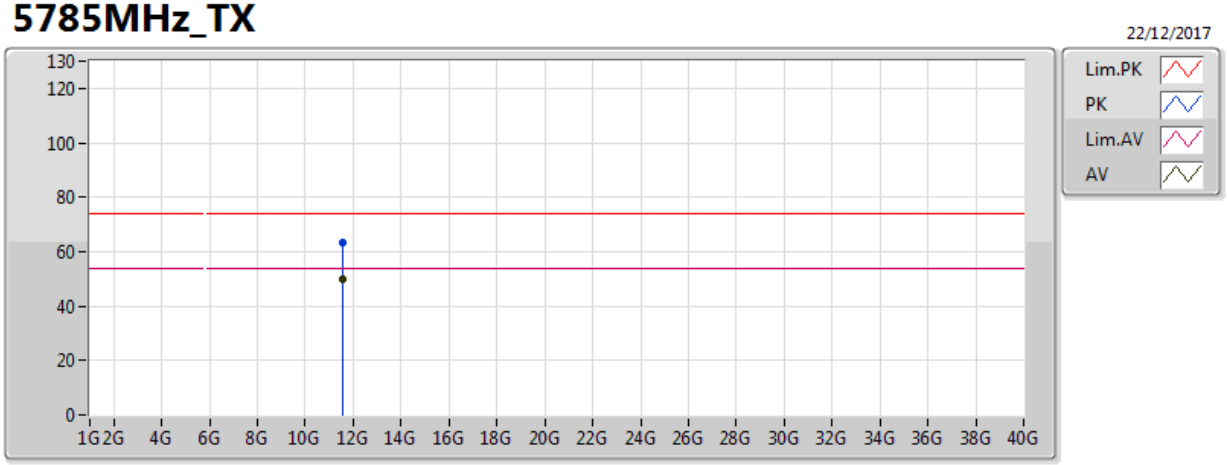
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.568723G	47.24	54.00	-6.76	15.71	3	Vertical	48	1.35	-	31.53	39.32	7.50	31.10
PK	11.567844G	60.56	74.00	-13.44	15.71	3	Vertical	48	1.35	-	44.85	39.32	7.50	31.10

802.11ac VHT20_Nss1,(MCS0)_4TX

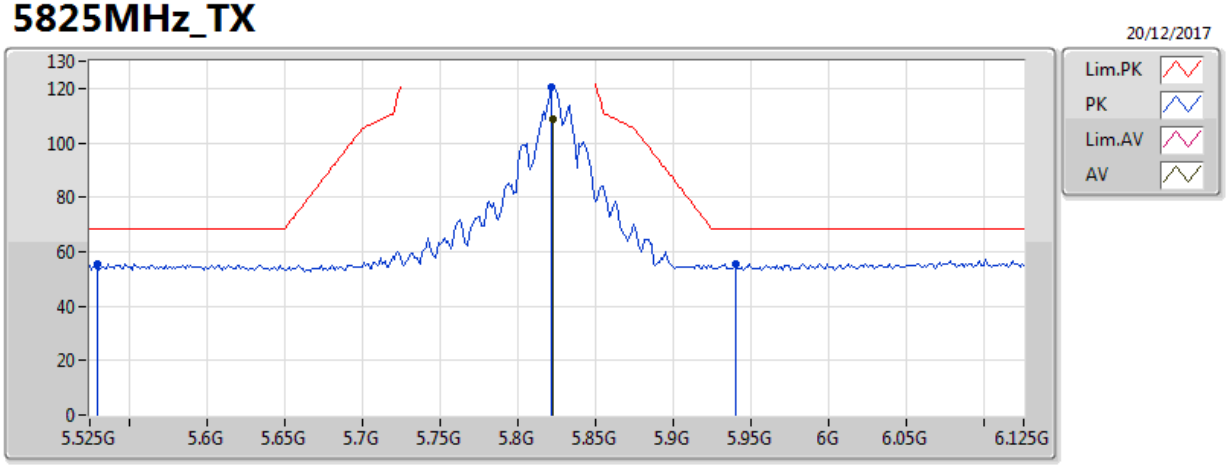
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.568842G	49.98	54.00	-4.02	15.71	3	Horizontal	313	1.23	-	34.26	39.32	7.50	31.10
PK	11.567804G	63.12	74.00	-10.88	15.71	3	Horizontal	313	1.23	-	47.40	39.32	7.50	31.10

802.11ac VHT20_Nss1,(MCS0)_4TX

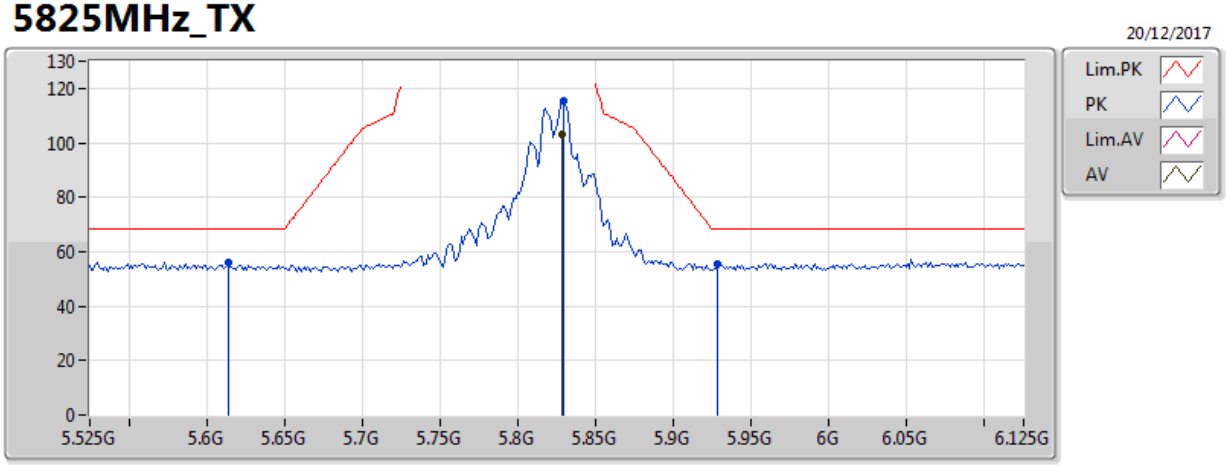
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8226G	108.81	Inf	-Inf	3.60	3	Vertical	186	1.08	-	105.21	32.32	5.91	34.63
PK	5.5298G	55.67	68.20	-12.53	2.99	3	Vertical	186	1.08	-	52.68	31.85	5.69	34.55
PK	5.8214G	120.34	Inf	-Inf	3.59	3	Vertical	186	1.08	-	116.75	32.31	5.90	34.63
PK	5.9402G	55.58	68.20	-12.62	3.83	3	Vertical	186	1.08	-	51.75	32.50	5.99	34.66

802.11ac VHT20_Nss1,(MCS0)_4TX

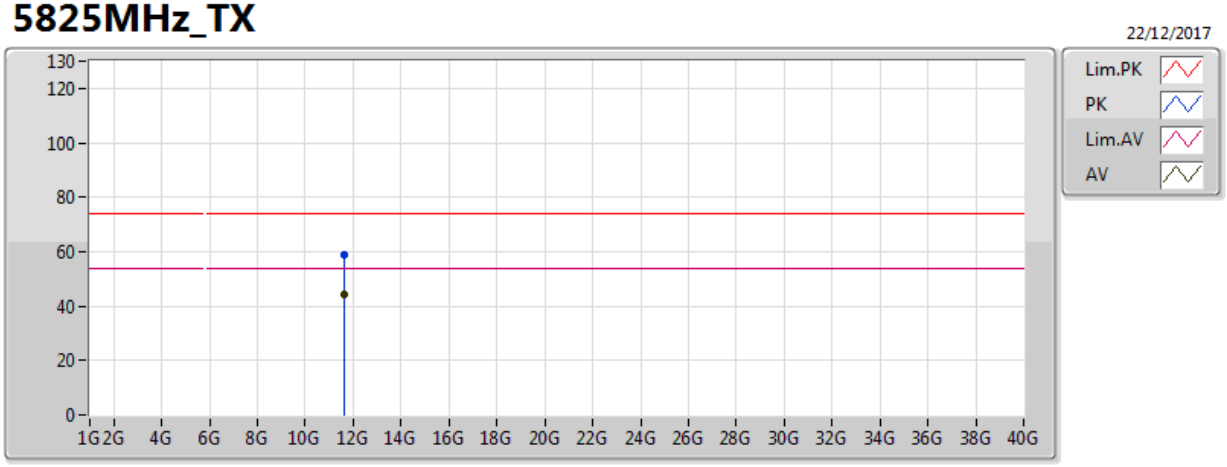
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8286G	103.36	Inf	-Inf	3.61	3	Horizontal	197	1.53	-	99.76	32.33	5.91	34.63
PK	5.6138G	55.96	68.20	-12.24	3.16	3	Horizontal	197	1.53	-	52.81	31.98	5.75	34.57
PK	5.8298G	115.17	Inf	-Inf	3.61	3	Horizontal	197	1.53	-	111.56	32.33	5.91	34.63
PK	5.9282G	55.38	68.20	-12.82	3.81	3	Horizontal	197	1.53	-	51.57	32.49	5.98	34.66

802.11ac VHT20_Nss1,(MCS0)_4TX

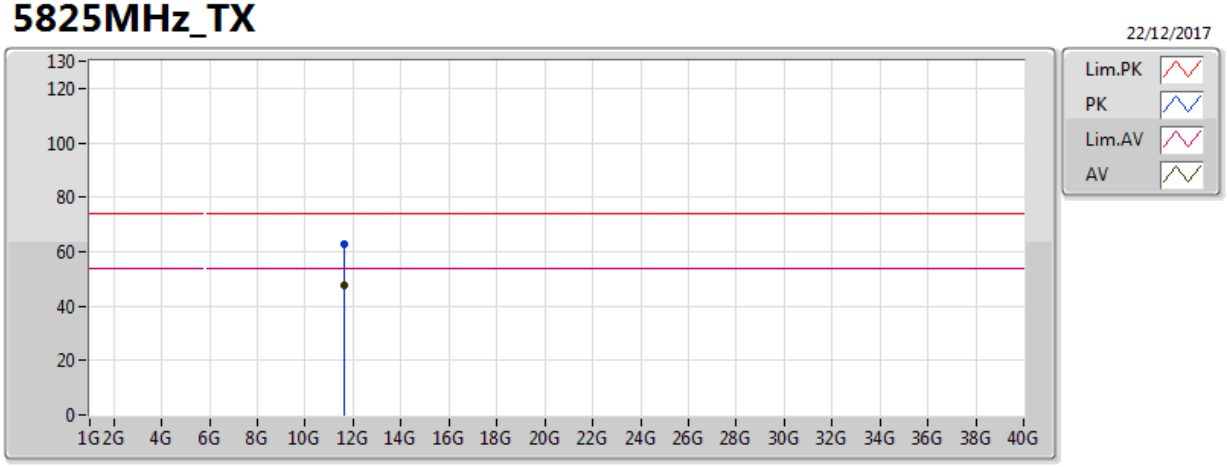
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.6486G	44.53	54.00	-9.47	15.65	3	Vertical	47	1.31	-	28.87	39.22	7.52	31.09
PK	11.6478G	58.93	74.00	-15.07	15.65	3	Vertical	47	1.31	-	43.28	39.22	7.52	31.09

802.11ac VHT20_Nss1,(MCS0)_4TX

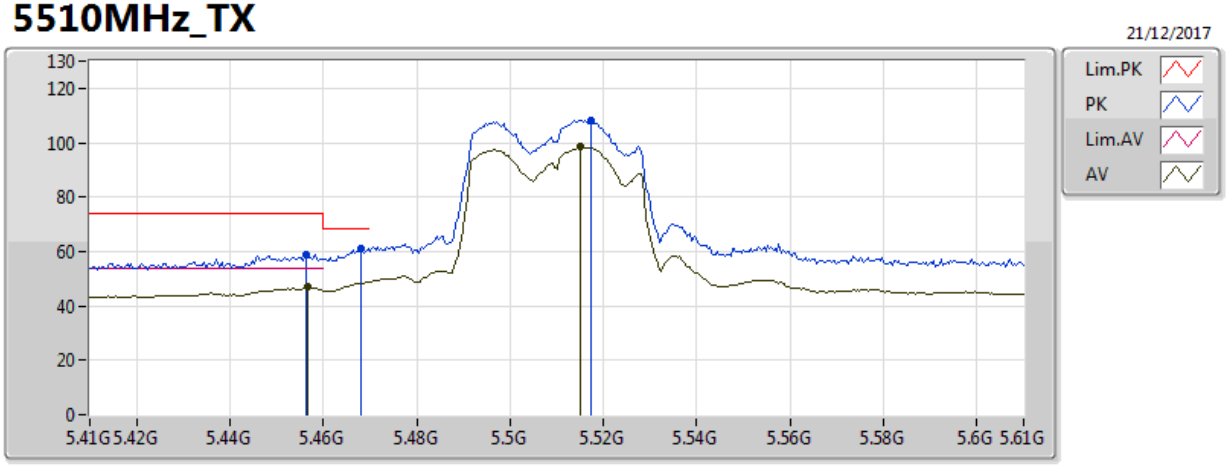
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.64681G	47.72	54.00	-6.28	15.65	3	Horizontal	68	1.45	-	32.06	39.22	7.52	31.09
PK	11.64551G	62.80	74.00	-11.20	15.66	3	Horizontal	68	1.45	-	47.14	39.23	7.52	31.09

802.11ac VHT40_Nss1,(MCS0)_4TX

5510MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4568G	46.97	54.00	-7.03	2.91	3	Vertical	179	2.04	-	44.06	31.78	5.67	34.54
AV	5.5152G	98.44	Inf	-Inf	2.96	3	Vertical	179	2.04	-	95.48	31.82	5.68	34.54
PK	5.4564G	58.66	74.00	-15.34	2.91	3	Vertical	179	2.04	-	55.75	31.78	5.67	34.54
PK	5.468G	60.94	68.20	-7.26	2.91	3	Vertical	179	2.04	-	58.02	31.79	5.67	34.54
PK	5.5172G	108.28	Inf	-Inf	2.96	3	Vertical	179	2.04	-	105.32	31.83	5.68	34.55