FCC Test Report

FCC ID	:	**SWX-UDM**
Equipment	:	**UniFi Dream Machine**
Brand Name	:	**UBIQUITI**
Model Name	:	**UDM**
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**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Jul. 16, 2018, and testing was started from Oct. 06, 2018 and completed on Nov. 06, 2018. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Allen Lin

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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PHOTOGRAPHS OF EUT V02

History of this test report

Report No.	Version	Description	Issued Date
FR870420-01AN	01	Initial issue of report	Nov. 09, 2018
FR870420-01AN	02	Update Photographs of EUT	Nov. 15, 2018

Summary of Test Result

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

Declaration of Conformity:
The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.
Comments and explanations:
None

Reviewed by: Sam Chen

Report Producer: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.725-5.85GHz	802.11a	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	-	-	internal antenna	I-PEX
2	-	-	internal antenna	I-PEX
3	-	-	internal antenna	I-PEX
4	-	-	internal antenna	I-PEX
5	-	-	internal antenna	I-PEX

Ant.	2.4G		5G		BT	
	Port	Gain (dBi)	Port	Gain (dBi)	Port	Gain (dBi)
1	1	3	4	4.5	-	-
2	2	3	3	4.5	-	-
3	-	-	2	4.5	-	-
4	-	-	1	4.5	-	-
5	-	-	-	-	1	2

Note 1: The EUT has five antennas.

For 2.4GHz function:

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

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

For 5GHz function:

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

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

For BT function:

For Bluetooth mode (1TX/1RX)

Ant. 5 (port 1) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition					
EUT Power Type	From AC mains				
EUT Function	☒	Outdoor	☒	Indoor	
	☐	Fixed P2P	☐	Client	
Beamforming Function	☐	With beamforming	☒	Without beamforming	

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.774	1.113	942.187u	3k
802.11ac VHT20	0.541	2.668	346.875u	3k
802.11ac VHT40	0.403	3.947	182.812u	10k
802.11ac VHT80	0.889	0.511	587.812u	3k

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
AC Conduction	CO04-HY	Andy	24.8°C / 56.5%	06/Oct/2018
RF Conducted	TH06-HY	Tim	25.5°C / 53%	18/Oct/2018
Radiated	03CH02-HY	Jeff	23.9°C / 55%	06/Nov/2018

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%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	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

2.2 Test Channel Mode

Test Software	Putty

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	AC mains mode

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal link
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: Appendix F for Radiated Emission Co-location	
Operating Mode	CTX
2	Bluetooth+WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA870420-01 for Co-location RF Exposure Evaluation.	

2.4 Support Equipment

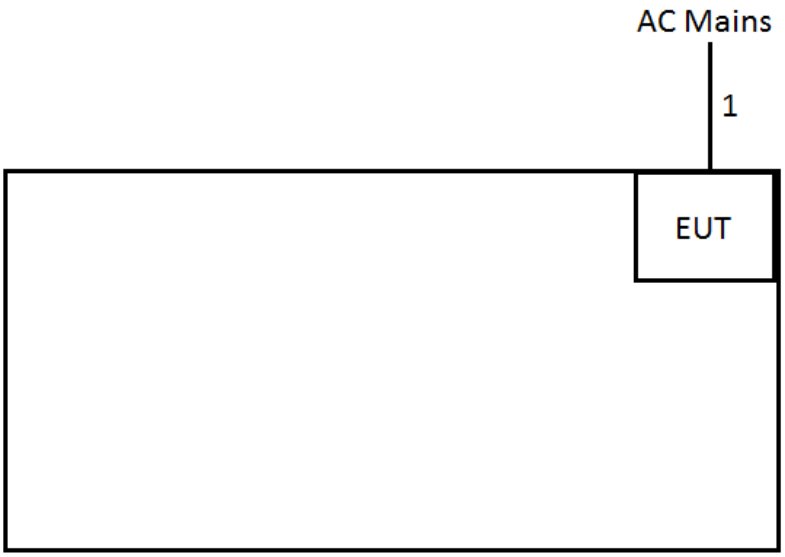
Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	AC Power Line	N/A	N/A	N/A

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for Notebook	DELL	HA65NM130	DoC
3	AC Power Line	N/A	N/A	N/A

Support Equipment – Radiated				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	AC Power Line	N/A	N/A	N/A

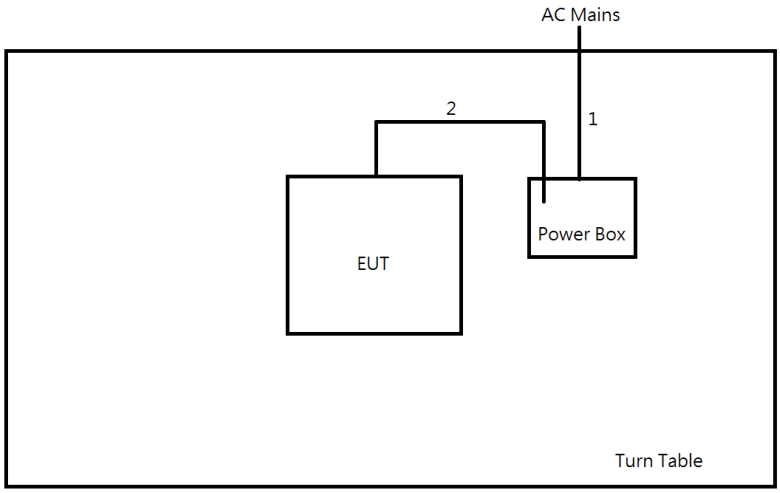
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	AC Power line	No	1.8m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	AC Power line	No	1.5m
2	AC Power line	No	1.5m

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

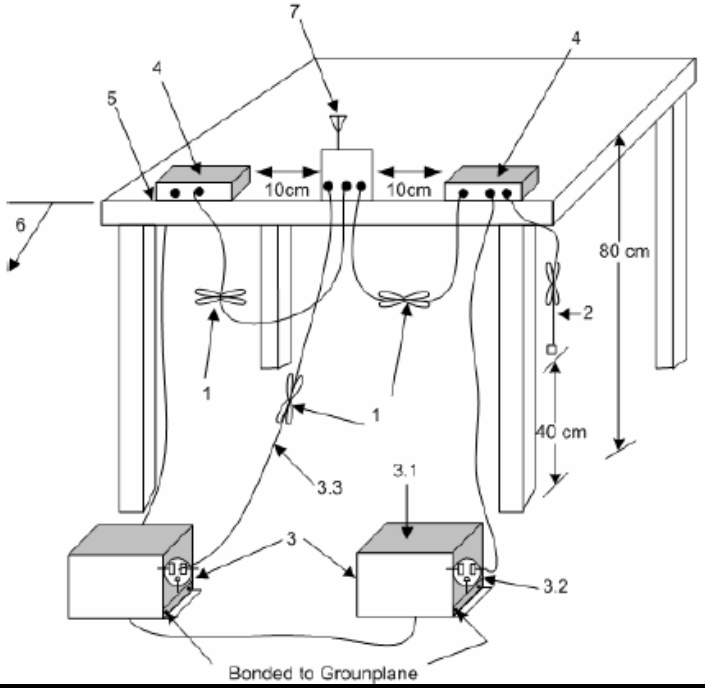
Refer a test equipment and calibration data table in this test report.

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.

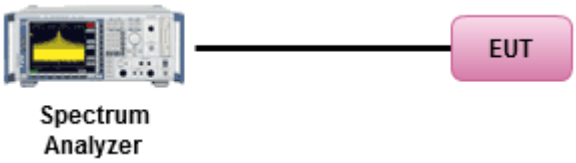
3.2.2 Measuring Instruments

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 6.7 for bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

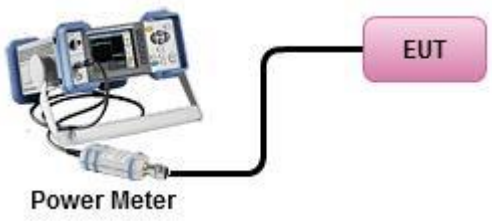
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Conducted Output Power	
	Duty cycle ≥ 98%
	☐ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle < 98%
	☐ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ Refer as KDB 789033, clause E Method PM (using an RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

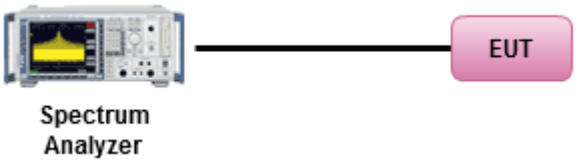
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

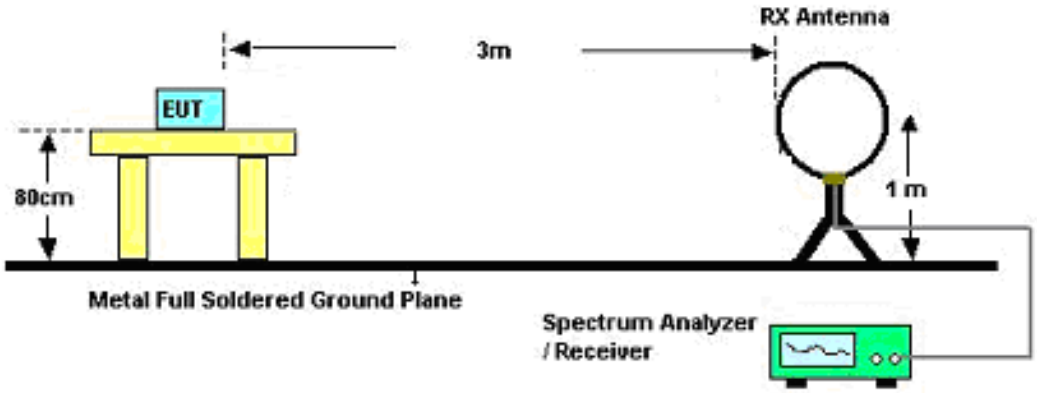
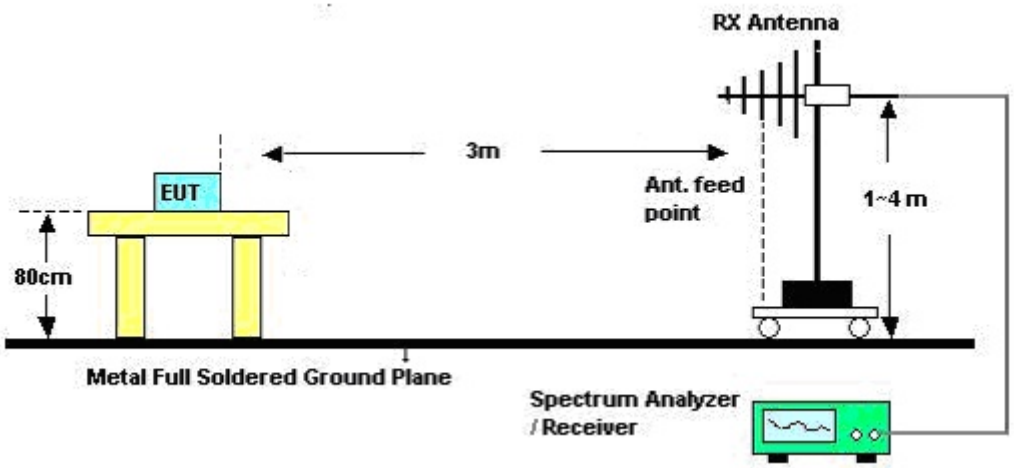
3.5.2 Measuring Instruments

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

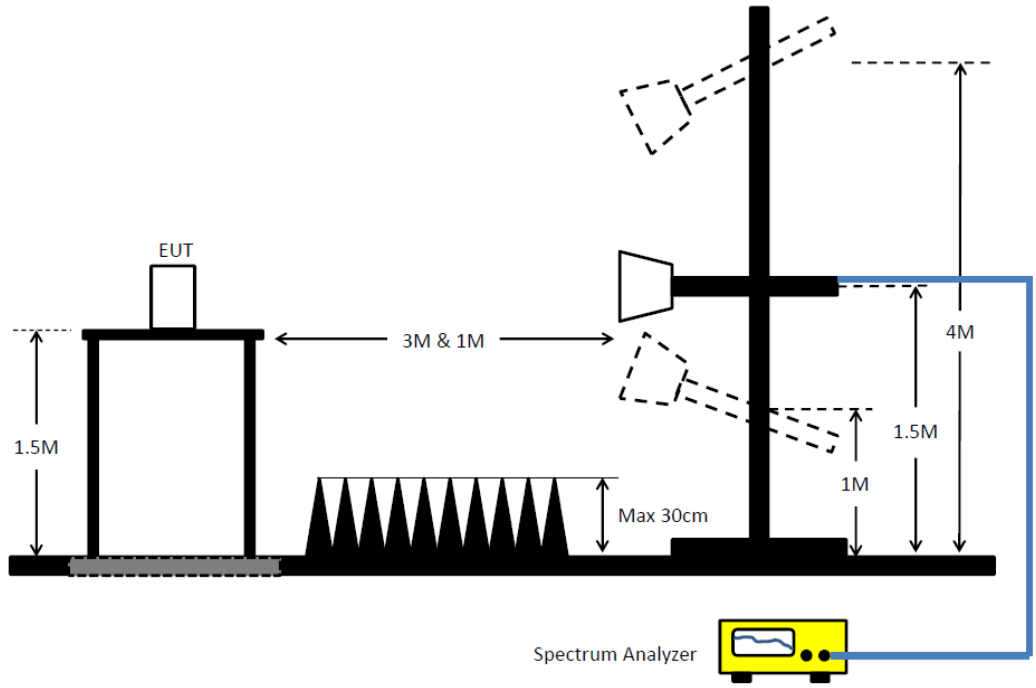
3.5.3 Test Procedures

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

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 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	ESR	102051	9KHz ~ 3.6GHz	03/May/2018	02/May/2019
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	17/Nov/2017	16/Nov/2018
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	05/Oct/2018	04/Oct/2019
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

NCR : Non-Calibration Require

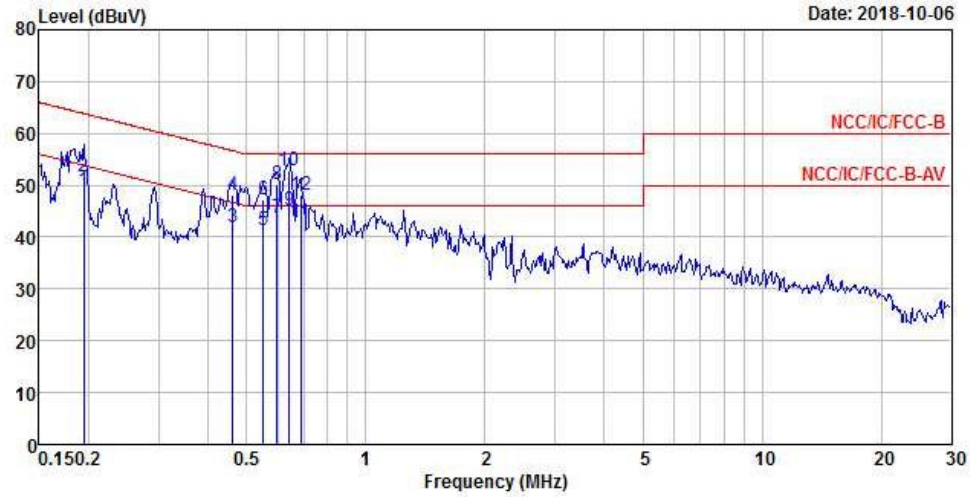
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	27/Oct/2017	26/Oct/2018
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	17/Oct/2018	16/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	27/Oct/2017	26/Oct/2018
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	17/Oct/2018	16/Oct/2019
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	27Jul/2018	02/Jul/2019
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	23/Apr/2018	19/Apr/2019
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	28/Sep/2017	27/Sep/2018
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz ~ 26.5GHz	05/Sep/2018	04/Sep/2019
Spectrum Analyzer	Rohde & Schwarz	FSP40	100593	9KHz - 40GHz	12/Dec/2017	11/Dec/2018
EMI Test Receiver	Rohde & Schwarz	ESCS 30	100354	9kHz ~ 2.75GHz	08/Dec/2017	07/Dec/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	19/Jan/2018	18/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	19/Jan/2018	18/Jan/2019
Bilog Antenna	SCHAFFNER	CBL 6112D	2678	30MHz ~ 1GHz	07/Jul/2018	06/Jul2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	06/Feb/2018	05/Feb/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120 D 1531	1GHz ~ 18GHz	18/Apr/ 2018	17/Apr/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	31/Aug/2017	30/Aug/2018
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	29/Mar/2018	28/Mar/2019

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	05/Feb/2018	04/Feb/2019
Signal Generator	Anritsu	MG3694C	163401	10MHz ~ 40GHz	15/Jan/2018	14/Jan/2019
Pulse Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	27/Feb/2018	26/Feb/2019
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	27/Feb/2018	26/Feb/2019
CABLE 0.2m	HUBER	MY37960/4	RF Cable - 17	1 to 18GHz	17/Jan/2018	16/Jan/2019
CABLE 0.2m	HUBER	MY37960/4	RF Cable - 17	30 to 1000MHz	17/Jan/2018	16/Jan/2019
CABLE 0.5m	HUBER	MY37963/4	RF Cable - 22	1 to 18GHz	17/Jan/2018	16/Jan/2019

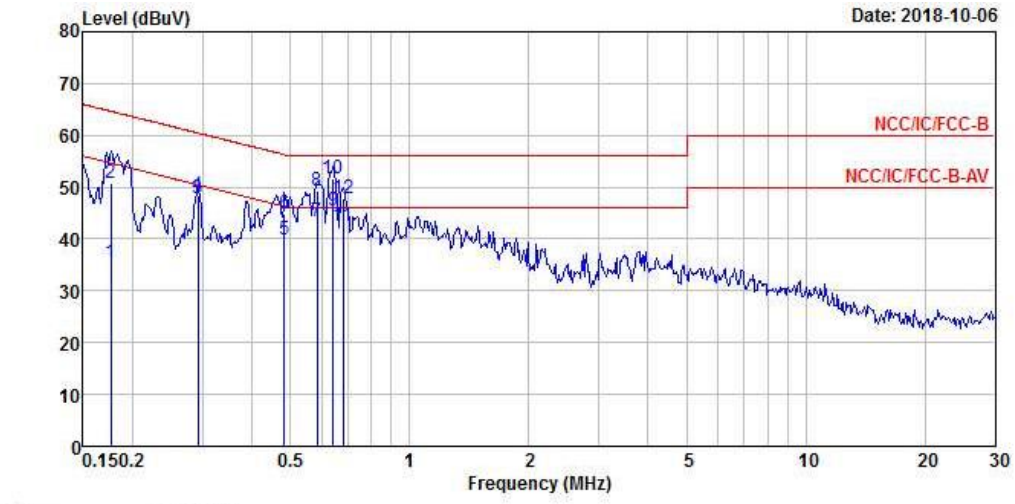
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	AC mains mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.19	48.93	-4.91	53.84	39.31	9.62	0.00	Average
2	0.19	51.70	-12.14	63.84	42.08	9.62	0.00	QP
3	0.46	41.97	-4.70	46.67	32.28	9.61	0.08	Average
4	0.46	48.10	-8.57	56.67	38.41	9.61	0.08	QP
5	0.55	41.45	-4.55	46.00	31.78	9.61	0.06	Average
6	0.55	47.17	-8.83	56.00	37.50	9.61	0.06	QP
7	0.60	43.73	-2.27	46.00	34.06	9.61	0.06	Average
8	0.60	50.07	-5.93	56.00	40.40	9.61	0.06	QP
9 MAX	0.64	45.03	-0.97	46.00	35.36	9.62	0.05	Average
10	0.64	52.79	-3.21	56.00	43.12	9.62	0.05	QP
11	0.69	42.84	-3.16	46.00	33.18	9.62	0.04	Average
12	0.69	48.02	-7.98	56.00	38.36	9.62	0.04	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	AC mains mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.18	35.30	-19.38	54.68	25.66	9.62	0.02	Average
2	0.18	50.71	-13.97	64.68	41.07	9.62	0.02	QP
3	0.29	47.77	-2.69	50.46	38.11	9.61	0.05	Average
4	0.29	48.46	-12.00	60.46	38.80	9.61	0.05	QP
5	0.48	39.96	-6.31	46.27	30.27	9.61	0.08	Average
6	0.48	44.80	-11.47	56.27	35.11	9.61	0.08	QP
7	0.59	43.34	-2.66	46.00	33.67	9.61	0.06	Average
8	0.59	49.23	-6.77	56.00	39.56	9.61	0.06	QP
9 MAX	0.64	45.47	-0.53	46.00	35.81	9.61	0.05	Average
10	0.64	51.54	-4.46	56.00	41.88	9.61	0.05	QP
11	0.68	42.39	-3.61	46.00	32.74	9.61	0.04	Average
12	0.68	47.72	-8.28	56.00	38.07	9.61	0.04	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)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	29.95M	16.567M	16M6D1D	19.6M	16.342M
802.11ac VHT20_Nss1,(MCS0)_4TX	34.05M	17.741M	17M7D1D	19.95M	17.566M
802.11ac VHT40_Nss1,(MCS0)_4TX	71.65M	36.232M	36M2D1D	40.05M	35.932M
802.11ac VHT80_Nss1,(MCS0)_4TX	81.1M	75.162M	75M2D1D	79.7M	74.863M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	15.275M	22.614M	22M6D1D	13.825M	16.517M
802.11ac VHT20_Nss1,(MCS0)_4TX	15.925M	19.74M	19M7D1D	14.925M	17.891M
802.11ac VHT40_Nss1,(MCS0)_4TX	35.1M	39.38M	39M4D1D	33.2M	36.732M
802.11ac VHT80_Nss1,(MCS0)_4TX	75M	75.462M	75M5D1D	61.3M	75.162M

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

Result

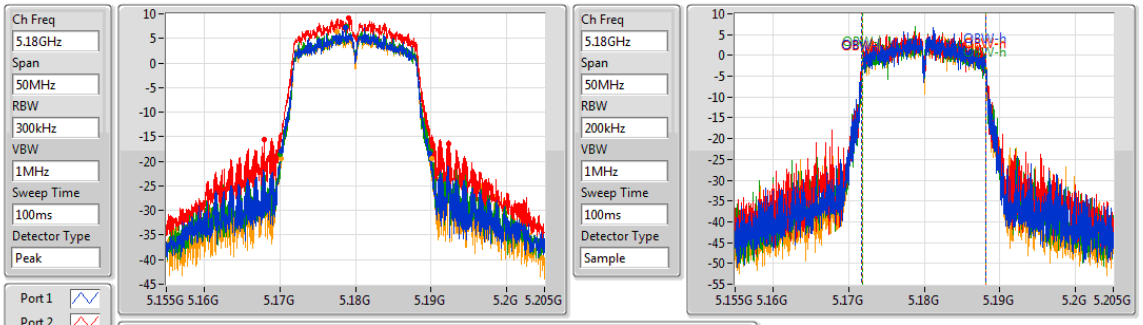
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	19.6M	16.367M	24.425M	16.442M	19.975M	16.367M	19.875M	16.342M
5200MHz_TnomVnom	Pass	Inf	29.95M	16.492M	28.25M	16.492M	27.025M	16.417M	28.625M	16.442M
5240MHz_TnomVnom	Pass	Inf	26.725M	16.467M	28.525M	16.567M	26.775M	16.392M	27M	16.442M
5745MHz_TnomVnom	Pass	500k	15M	17.191M	13.825M	18.266M	15.05M	17.316M	15.1M	17.316M
5785MHz_TnomVnom	Pass	500k	15.05M	16.692M	15.075M	19.215M	14.95M	17.091M	14.4M	22.614M
5825MHz_TnomVnom	Pass	500k	15M	16.517M	15.075M	16.792M	15.05M	16.542M	15.275M	16.742M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	20.525M	17.566M	19.95M	17.566M	19.95M	17.591M	20.25M	17.591M
5200MHz_TnomVnom	Pass	Inf	33.75M	17.641M	34.05M	17.741M	31.225M	17.641M	28.975M	17.641M
5240MHz_TnomVnom	Pass	Inf	30.3M	17.641M	33.325M	17.691M	27.575M	17.591M	27.725M	17.641M
5745MHz_TnomVnom	Pass	500k	14.975M	17.891M	15.575M	18.216M	14.925M	18.091M	15.025M	17.891M
5785MHz_TnomVnom	Pass	500k	15.1M	17.941M	15.925M	19.74M	15.075M	18.266M	15.1M	18.341M
5825MHz_TnomVnom	Pass	500k	15.025M	17.916M	15.925M	19.315M	15.075M	17.966M	15.9M	18.266M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	40.4M	35.932M	40.05M	35.982M	40.15M	35.932M	40.25M	35.932M
5230MHz_TnomVnom	Pass	Inf	68M	36.132M	71.65M	36.232M	54.8M	36.132M	69.15M	36.132M
5755MHz_TnomVnom	Pass	500k	35.1M	37.831M	35.1M	37.781M	35.1M	37.381M	35.05M	36.932M
5795MHz_TnomVnom	Pass	500k	35M	36.732M	34.4M	39.38M	35.1M	36.882M	33.2M	37.981M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	Inf	81.1M	75.062M	79.7M	75.162M	80.1M	75.162M	79.9M	74.863M
5775MHz_TnomVnom	Pass	500k	68.9M	75.462M	66.2M	75.162M	61.3M	75.262M	75M	75.462M

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

802.11a_Nss1,(6Mbps)_4TX EBW

5180MHz

20/03/2018

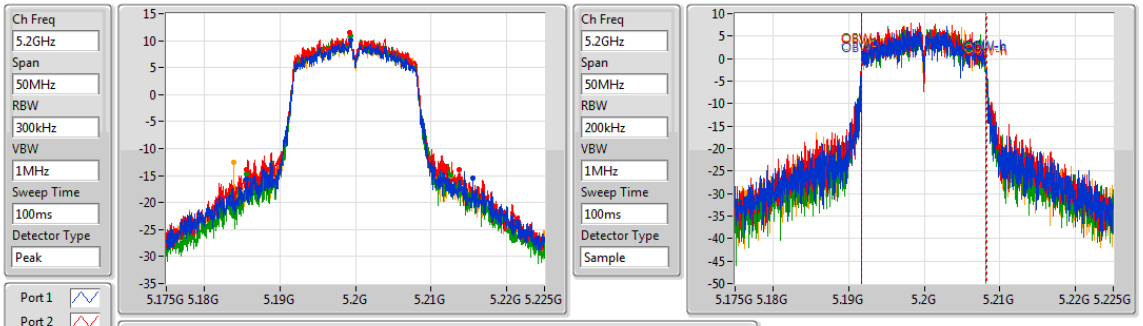


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.6M	5.17015G	5.18975G	16.367M	5.171779G	5.188146G	Inf	1
24.425M	5.16795G	5.192375G	16.442M	5.171754G	5.188196G	Inf	2
19.975M	5.170025G	5.19G	16.367M	5.171804G	5.188171G	Inf	3
19.875M	5.170175G	5.19005G	16.342M	5.171804G	5.188146G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5200MHz

14/03/2018

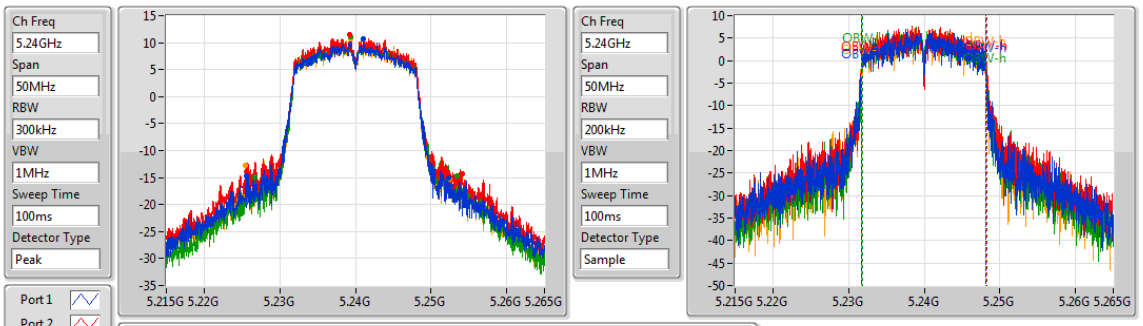


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.95M	5.185525G	5.215475G	16.492M	5.191704G	5.208196G	Inf	1
28.25M	5.185525G	5.213775G	16.492M	5.191729G	5.208221G	Inf	2
27.025M	5.185625G	5.21265G	16.417M	5.191779G	5.208196G	Inf	3
28.625M	5.183975G	5.2126G	16.442M	5.191754G	5.208196G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5240MHz

14/03/2018

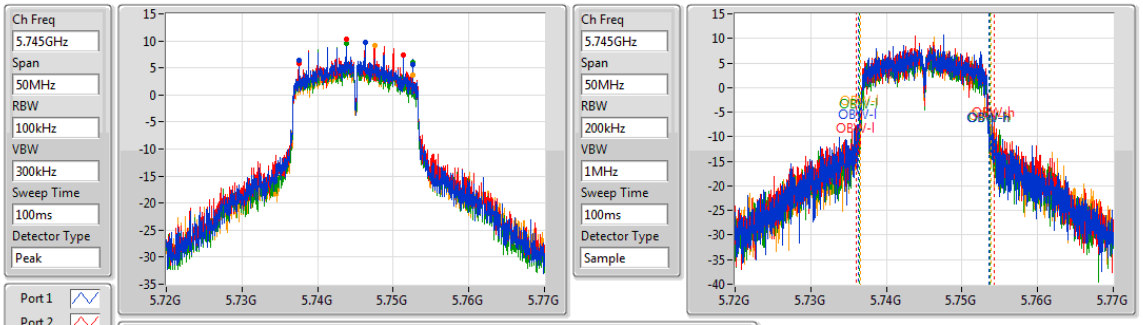


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.725M	5.2256G	5.252325G	16.467M	5.231729G	5.248196G	Inf	1
28.525M	5.22555G	5.254075G	16.567M	5.231679G	5.248246G	Inf	2
26.775M	5.2267G	5.253475G	16.392M	5.231804G	5.248196G	Inf	3
27M	5.22545G	5.25245G	16.442M	5.231729G	5.248171G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

14/03/2018

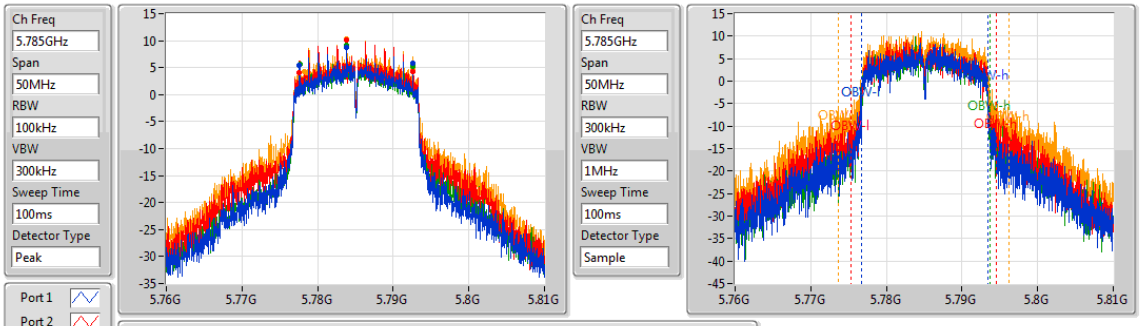


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	5.7376G	5.7526G	17.191M	5.736354G	5.753546G	500k	1
13.825M	5.7375G	5.751325G	18.266M	5.735955G	5.75422G	500k	2
15.05M	5.737525G	5.752575G	17.316M	5.736454G	5.753771G	500k	3
15.1M	5.737525G	5.752625G	17.316M	5.736554G	5.753871G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5785MHz

14/03/2018

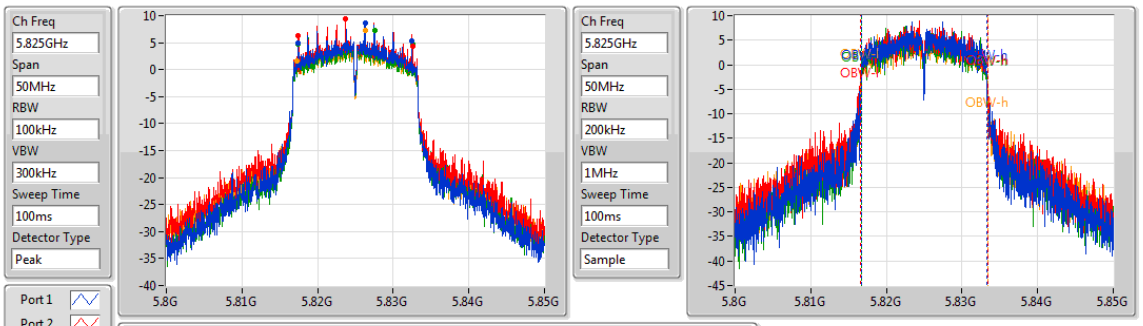


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	5.777575G	5.792625G	16.692M	5.776704G	5.793396G	500k	1
15.075M	5.777525G	5.7926G	19.215M	5.77538G	5.794595G	500k	2
14.95M	5.777625G	5.792575G	17.091M	5.776679G	5.793771G	500k	3
14.4M	5.778225G	5.792625G	22.614M	5.773656G	5.796269G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

20/03/2018



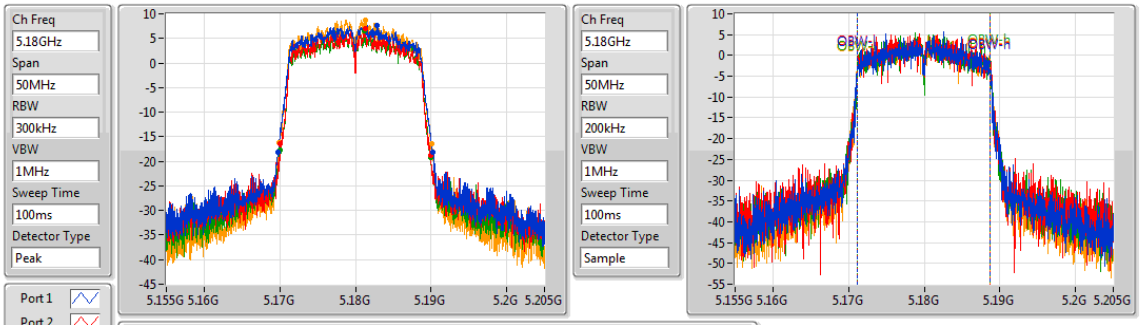
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	5.817475G	5.832475G	16.517M	5.816704G	5.833221G	500k	1
15.075M	5.817475G	5.83255G	16.792M	5.816579G	5.833371G	500k	2
15.05M	5.817475G	5.832525G	16.542M	5.816704G	5.833246G	500k	3
15.275M	5.81725G	5.832525G	16.742M	5.816629G	5.833371G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5180MHz

20/03/2018



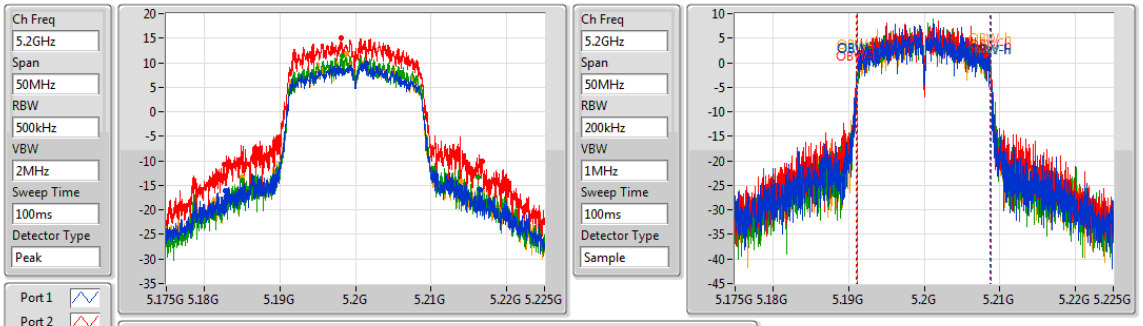
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.525M	5.169725G	5.19025G	17.566M	5.171179G	5.188746G	Inf	1
19.95M	5.170025G	5.189975G	17.566M	5.171179G	5.188746G	Inf	2
19.95M	5.169975G	5.189925G	17.591M	5.171179G	5.188771G	Inf	3
20.25M	5.169875G	5.190125G	17.591M	5.171179G	5.188771G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5200MHz

14/03/2018



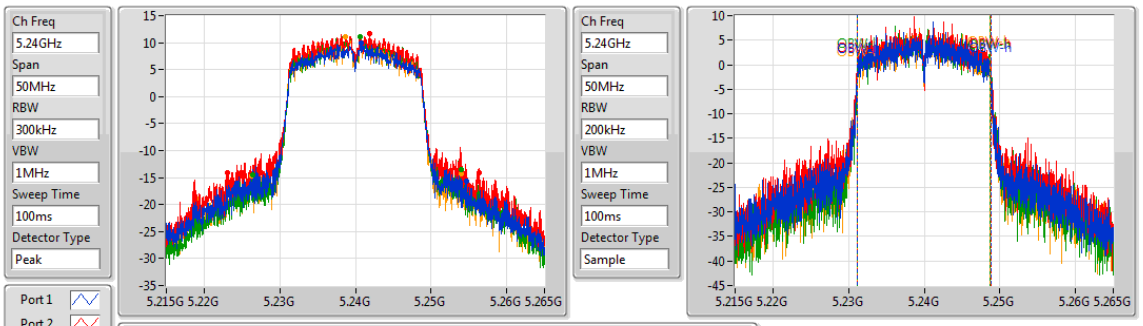
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.75M	5.182775G	5.216525G	17.641M	5.191129G	5.208771G	Inf	1
34.05M	5.182675G	5.216725G	17.741M	5.191079G	5.208821G	Inf	2
31.225M	5.184975G	5.2162G	17.641M	5.191179G	5.208821G	Inf	3
28.975M	5.18505G	5.214025G	17.641M	5.191154G	5.208796G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5240MHz

14/03/2018

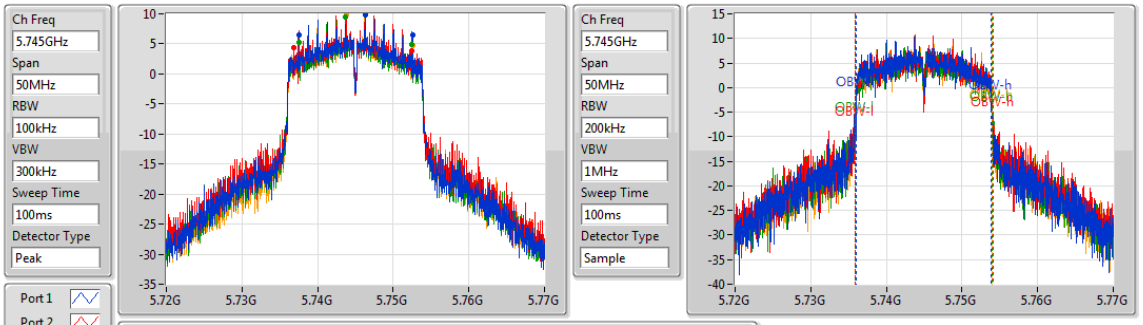


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.3M	5.22435G	5.25465G	17.641M	5.231154G	5.248796G	Inf	1
33.325M	5.22305G	5.256375G	17.691M	5.231104G	5.248796G	Inf	2
27.575M	5.226475G	5.25405G	17.591M	5.231179G	5.248771G	Inf	3
27.725M	5.226275G	5.254G	17.641M	5.231129G	5.248771G	Inf	4

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

5745MHz

14/03/2018

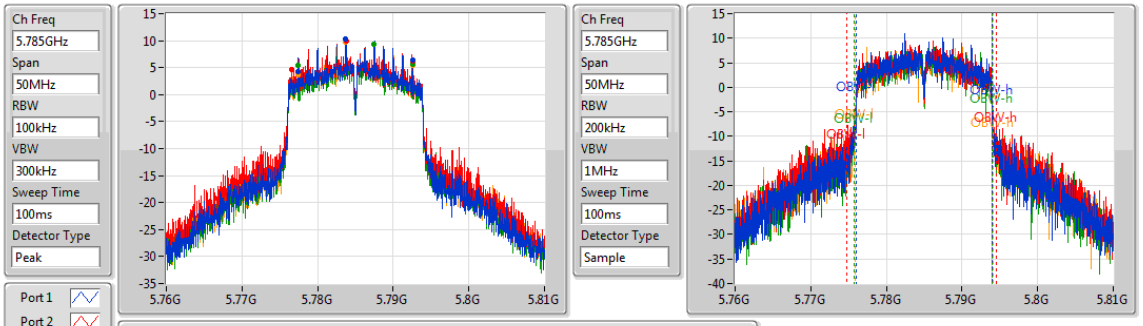


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	5.73755G	5.752525G	17.891M	5.736004G	5.753896G	500k	1
15.575M	5.736875G	5.75245G	18.216M	5.73588G	5.754095G	500k	2
14.925M	5.73755G	5.752475G	18.091M	5.73588G	5.753971G	500k	3
15.025M	5.737525G	5.75255G	17.891M	5.736054G	5.753946G	500k	4

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

5785MHz

14/03/2018

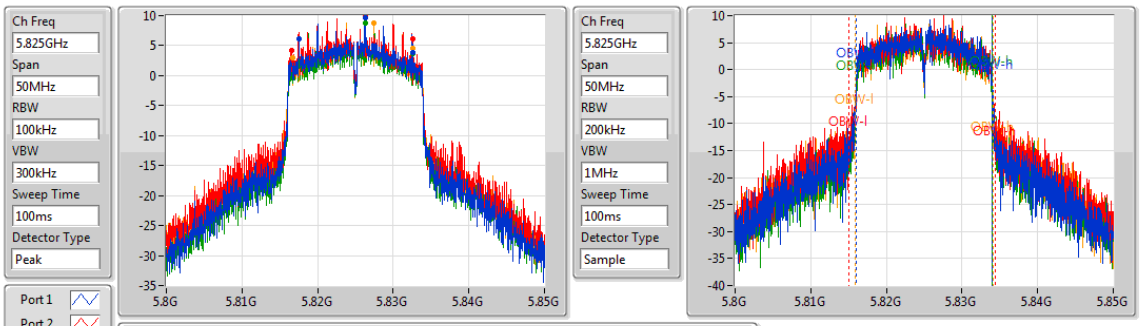


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	5.77745G	5.79255G	17.941M	5.776004G	5.793946G	500k	1
15.925M	5.776625G	5.79255G	19.74M	5.77478G	5.79452G	500k	2
15.075M	5.777475G	5.79255G	18.266M	5.77578G	5.794045G	500k	3
15.1M	5.77745G	5.79255G	18.341M	5.77583G	5.79417G	500k	4

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

5825MHz

14/03/2018

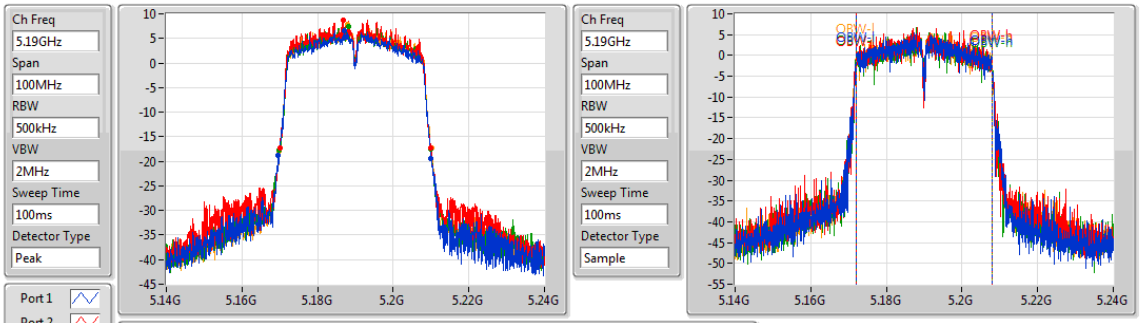


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	5.81755G	5.832575G	17.916M	5.816004G	5.833921G	500k	1
15.925M	5.816625G	5.83255G	19.315M	5.81508G	5.834395G	500k	2
15.075M	5.8175G	5.832575G	17.966M	5.816029G	5.833996G	500k	3
15.9M	5.81665G	5.83255G	18.266M	5.815855G	5.83412G	500k	4

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

5190MHz

20/03/2018

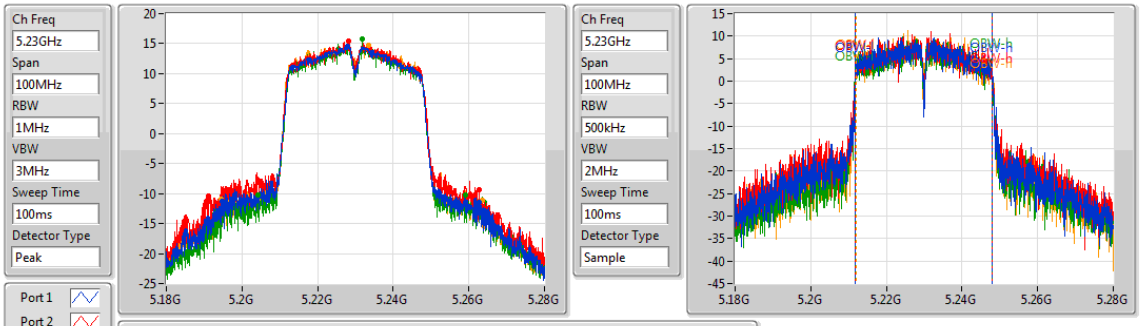


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.4M	5.16965G	5.21005G	35.932M	5.171959G	5.207891G	Inf	1
40.05M	5.16995G	5.21G	35.982M	5.171959G	5.207941G	Inf	2
40.15M	5.16985G	5.21G	35.932M	5.171959G	5.207891G	Inf	3
40.25M	5.16985G	5.2101G	35.932M	5.171959G	5.207891G	Inf	4

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

5230MHz

20/03/2018

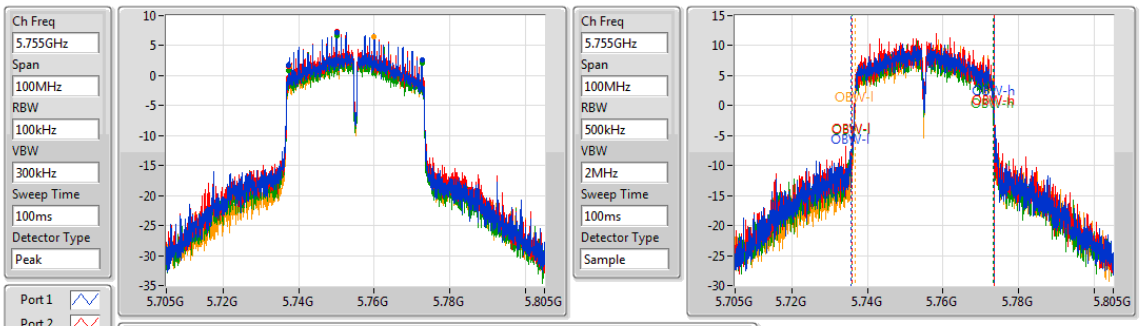


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
68M	5.19475G	5.26275G	36.132M	5.211859G	5.247991G	Inf	1
71.65M	5.1911G	5.26275G	36.232M	5.211809G	5.248041G	Inf	2
54.8M	5.2042G	5.259G	36.132M	5.211859G	5.247991G	Inf	3
69.15M	5.19445G	5.2636G	36.132M	5.211909G	5.248041G	Inf	4

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

5755MHz

14/03/2018

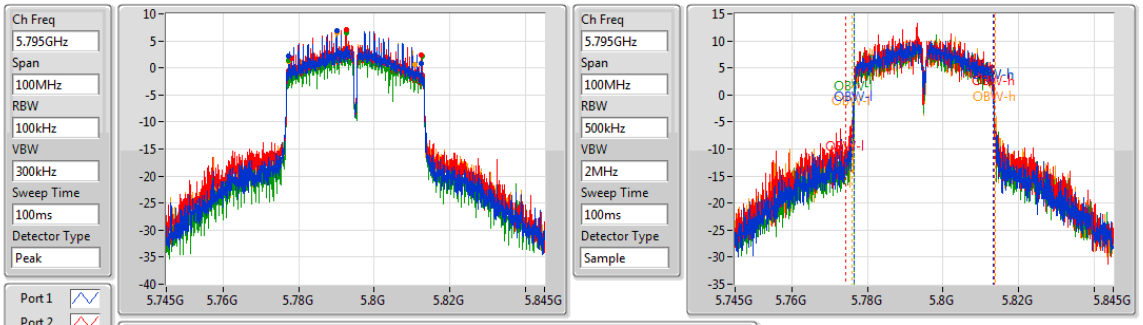


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.1M	5.73745G	5.77255G	37.831M	5.73566G	5.773491G	500k	1
35.1M	5.73745G	5.77255G	37.781M	5.73586G	5.773641G	500k	2
35.1M	5.73745G	5.77255G	37.381M	5.73596G	5.773341G	500k	3
35.05M	5.7375G	5.77255G	36.932M	5.736659G	5.773591G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5795MHz

14/03/2018

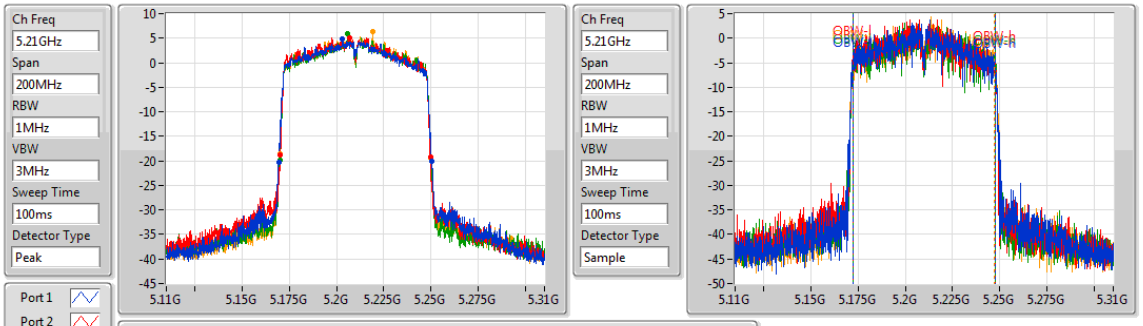


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35M	5.77745G	5.81245G	36.732M	5.776509G	5.813241G	500k	1
34.4M	5.7781G	5.8125G	39.38M	5.77416G	5.813541G	500k	2
35.1M	5.77745G	5.81255G	36.882M	5.776459G	5.813341G	500k	3
33.2M	5.77745G	5.81065G	37.981M	5.77586G	5.813841G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5210MHz

20/03/2018

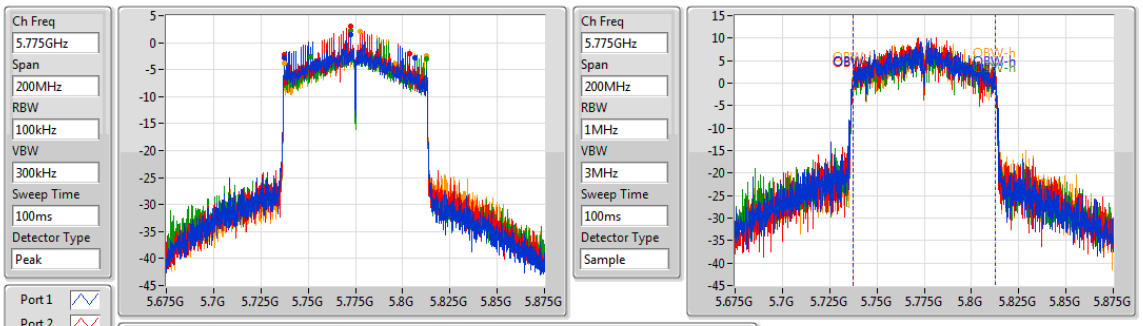


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.1M	5.1694G	5.2505G	75.062M	5.172319G	5.247381G	Inf	1
79.7M	5.1701G	5.2498G	75.162M	5.172219G	5.247381G	Inf	2
80.1M	5.1699G	5.25G	75.162M	5.172319G	5.247481G	Inf	3
79.9M	5.17G	5.2499G	74.863M	5.172419G	5.247281G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5775MHz

20/03/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
68.9M	5.7374G	5.8063G	75.462M	5.737119G	5.812581G	500k	1
66.2M	5.7375G	5.8037G	75.162M	5.737319G	5.812481G	500k	2
61.3M	5.7512G	5.8125G	75.262M	5.737219G	5.812481G	500k	3
75M	5.7375G	5.8125G	75.462M	5.737319G	5.812781G	500k	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.95M	16.417M	16M4D1D	19.55M	16.317M
802.11ac VHT20_Nss1,(MCS0)_4TX	20.475M	17.566M	17M6D1D	19.825M	17.516M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.85M	36.032M	36M0D1D	39.9M	35.932M
802.11ac VHT80_Nss1,(MCS0)_4TX	81M	75.162M	75M2D1D	79.5M	74.763M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	15.275M	22.614M	22M6D1D	13.825M	16.517M
802.11ac VHT20_Nss1,(MCS0)_4TX	15.925M	19.74M	19M7D1D	14.925M	17.891M
802.11ac VHT40_Nss1,(MCS0)_4TX	35.1M	39.38M	39M4D1D	33.2M	36.732M
802.11ac VHT80_Nss1,(MCS0)_4TX	75M	75462M	75G5D1D	61.3M	75.162M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	19.8M	16.317M	19.725M	16.392M	19.95M	16.392M	19.725M	16.392M
5200MHz_TnomVnom	Pass	Inf	19.55M	16.342M	19.575M	16.417M	19.95M	16.342M	19.675M	16.367M
5240MHz_TnomVnom	Pass	Inf	19.8M	16.367M	19.8M	16.392M	19.925M	16.392M	19.725M	16.392M
5745MHz_TnomVnom	Pass	500k	15M	17.191M	13.825M	18.266M	15.05M	17.316M	15.1M	17.316M
5785MHz_TnomVnom	Pass	500k	15.05M	16.692M	15.075M	19.215M	14.95M	17.091M	14.4M	22.614M
5825MHz_TnomVnom	Pass	500k	15M	16.517M	15.075M	16.792M	15.05M	16.542M	15.275M	16.742M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	20.375M	17.566M	19.925M	17.566M	19.85M	17.516M	20.25M	17.541M
5200MHz_TnomVnom	Pass	Inf	20.475M	17.541M	19.825M	17.516M	19.9M	17.541M	20M	17.541M
5240MHz_TnomVnom	Pass	Inf	20.4M	17.566M	19.95M	17.541M	19.95M	17.516M	20.2M	17.566M
5745MHz_TnomVnom	Pass	500k	14.975M	17.891M	15.575M	18.216M	14.925M	18.091M	15.025M	17.891M
5785MHz_TnomVnom	Pass	500k	15.1M	17.941M	15.925M	19.74M	15.075M	18.266M	15.1M	18.341M
5825MHz_TnomVnom	Pass	500k	15.025M	17.916M	15.925M	19.315M	15.075M	17.966M	15.9M	18.266M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	40.4M	35.982M	39.95M	35.982M	40.2M	35.982M	40.25M	36.032M
5230MHz_TnomVnom	Pass	Inf	40.85M	35.932M	39.9M	35.982M	40.2M	35.982M	40.2M	35.932M
5755MHz_TnomVnom	Pass	500k	35.1M	37.831M	35.1M	37.781M	35.1M	37.381M	35.05M	36.932M
5795MHz_TnomVnom	Pass	500k	35M	36.732M	34.4M	39.38M	35.1M	36.882M	33.2M	37.981M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	Inf	81M	75.162M	79.5M	74.863M	79.9M	75.162M	79.8M	74.763M
5775MHz_TnomVnom	Pass	500k	68.9M	75462M	66.2M	75.162M	61.3M	75.262M	75M	75.462M

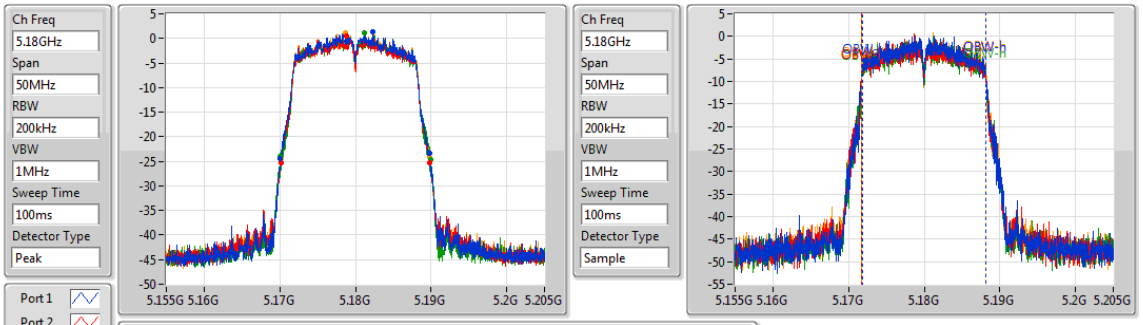
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX

EBW

5180MHz

22/03/2018



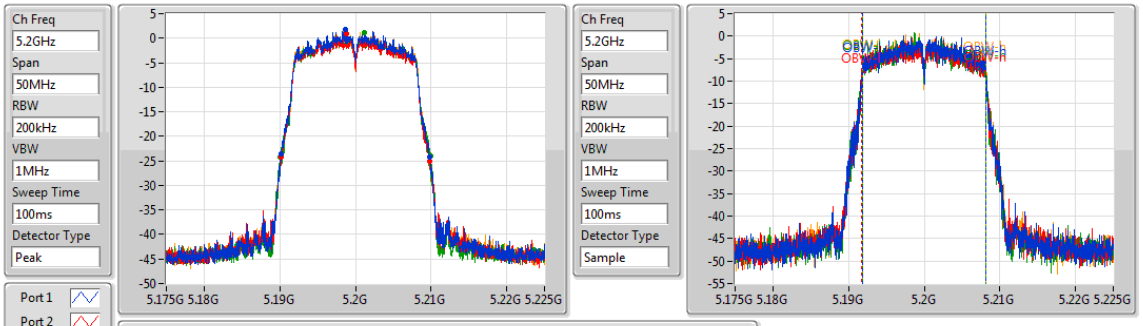
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.8M	5.170075G	5.189875G	16.317M	5.171804G	5.188121G	Inf	1
19.725M	5.17015G	5.189875G	16.392M	5.171754G	5.188146G	Inf	2
19.95M	5.17005G	5.19G	16.392M	5.171779G	5.188171G	Inf	3
19.725M	5.17015G	5.189875G	16.392M	5.171779G	5.188171G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5200MHz

22/03/2018



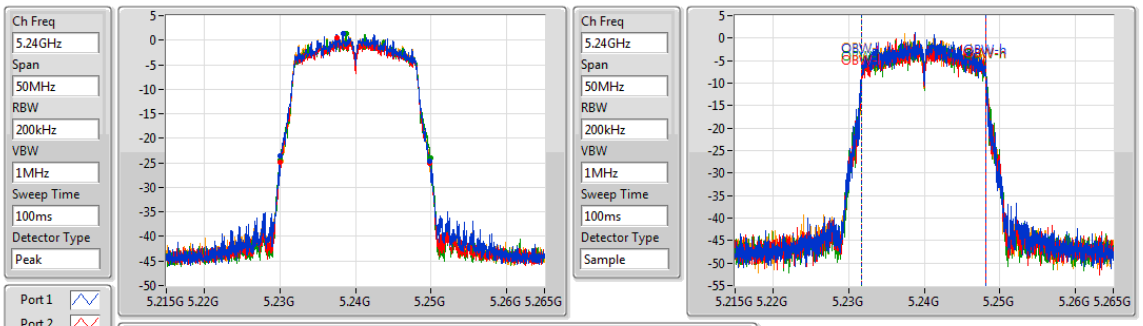
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.55M	5.1902G	5.20975G	16.342M	5.191804G	5.208146G	Inf	1
19.575M	5.190175G	5.20975G	16.417M	5.191754G	5.208171G	Inf	2
19.95M	5.190025G	5.209975G	16.342M	5.191804G	5.208146G	Inf	3
19.675M	5.190175G	5.20985G	16.367M	5.191804G	5.208171G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

22/03/2018

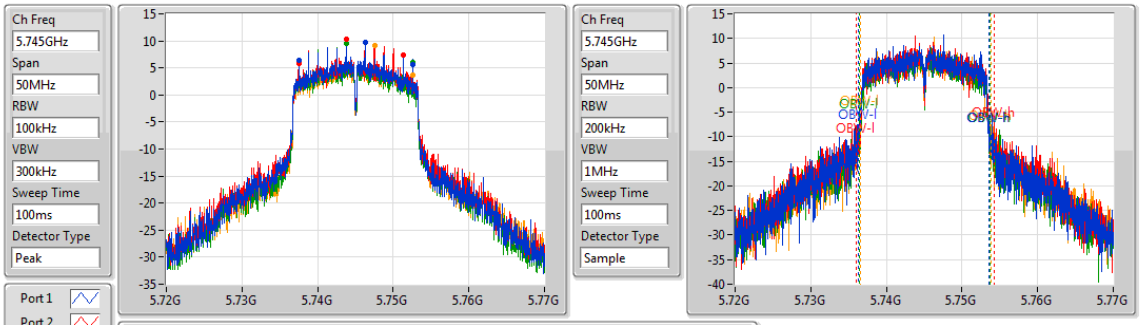


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.8M	5.229975G	5.249775G	16.367M	5.231779G	5.248146G	Inf	1
19.8M	5.230075G	5.249875G	16.392M	5.231754G	5.248146G	Inf	2
19.925M	5.23005G	5.249975G	16.392M	5.231779G	5.248171G	Inf	3
19.725M	5.230125G	5.24985G	16.392M	5.231779G	5.248171G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

14/03/2018

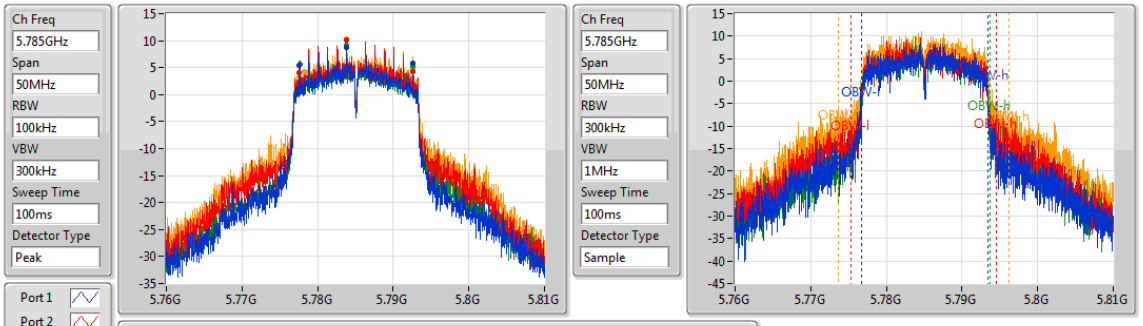


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	5.7376G	5.7526G	17.191M	5.736354G	5.753546G	500k	1
13.825M	5.7375G	5.751325G	18.266M	5.735955G	5.75422G	500k	2
15.05M	5.737525G	5.752575G	17.316M	5.736454G	5.753771G	500k	3
15.1M	5.737525G	5.752625G	17.316M	5.736554G	5.753871G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5785MHz

14/03/2018

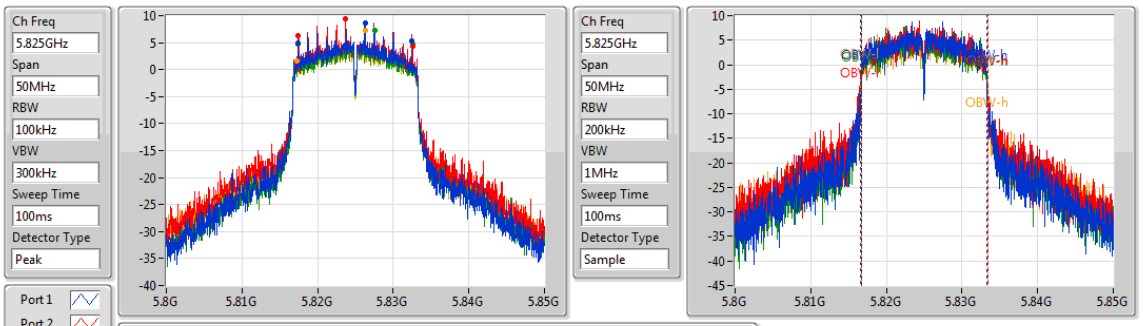


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	5.777575G	5.792625G	16.692M	5.776704G	5.793396G	500k	1
15.075M	5.777525G	5.7926G	19.215M	5.77538G	5.794595G	500k	2
14.95M	5.777625G	5.792575G	17.091M	5.776679G	5.793771G	500k	3
14.4M	5.778225G	5.792625G	22.614M	5.773656G	5.796269G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

20/03/2018

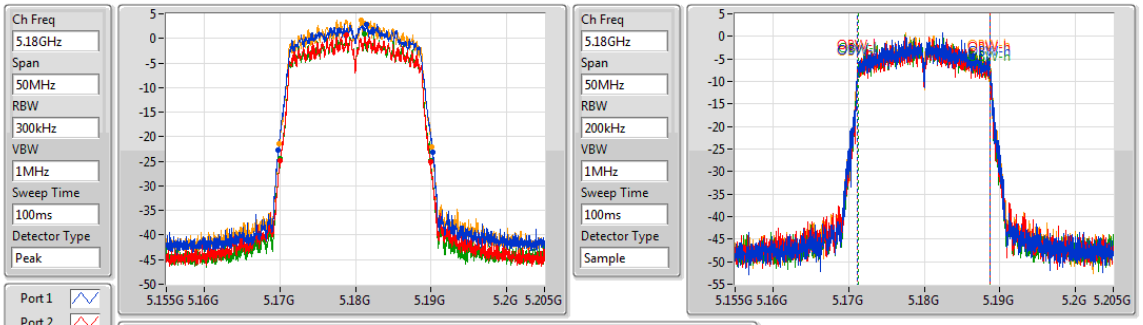


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	5.817475G	5.832475G	16.517M	5.816704G	5.833221G	500k	1
15.075M	5.817475G	5.83255G	16.792M	5.816579G	5.833371G	500k	2
15.05M	5.817475G	5.832525G	16.542M	5.816704G	5.833246G	500k	3
15.275M	5.81725G	5.832525G	16.742M	5.816629G	5.833371G	500k	4

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

5180MHz

22/03/2018

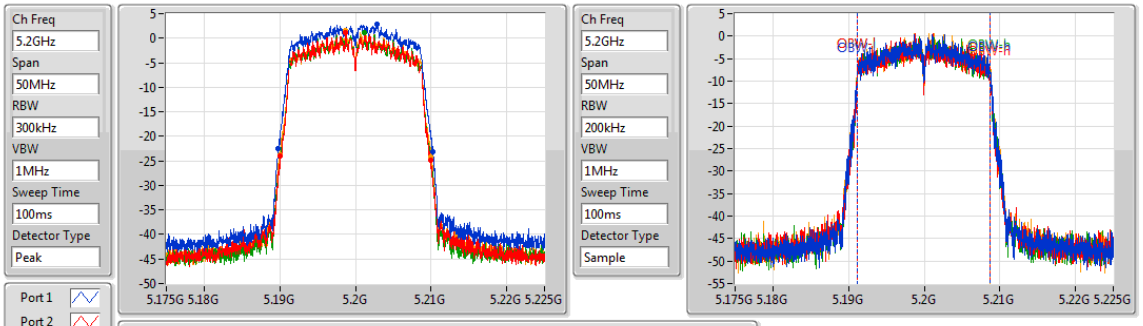


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.375M	5.169825G	5.1902G	17.566M	5.171204G	5.188771G	Inf	1
19.925M	5.170025G	5.18995G	17.566M	5.171179G	5.188746G	Inf	2
19.85M	5.170075G	5.189925G	17.516M	5.171229G	5.188746G	Inf	3
20.25M	5.1699G	5.19015G	17.541M	5.171204G	5.188746G	Inf	4

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

5200MHz

22/03/2018

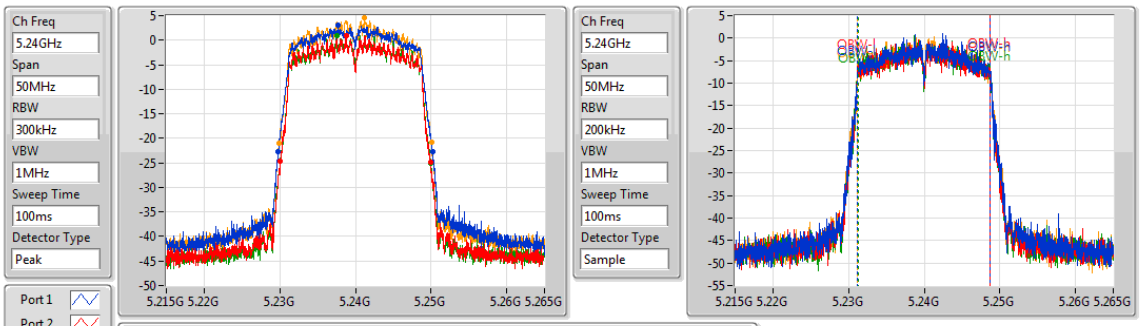


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.475M	5.189825G	5.2103G	17.541M	5.191204G	5.208746G	Inf	1
19.825M	5.1901G	5.209925G	17.516M	5.191204G	5.208721G	Inf	2
19.9M	5.19005G	5.20995G	17.541M	5.191204G	5.208746G	Inf	3
20M	5.19G	5.21G	17.541M	5.191204G	5.208746G	Inf	4

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

5240MHz

22/03/2018



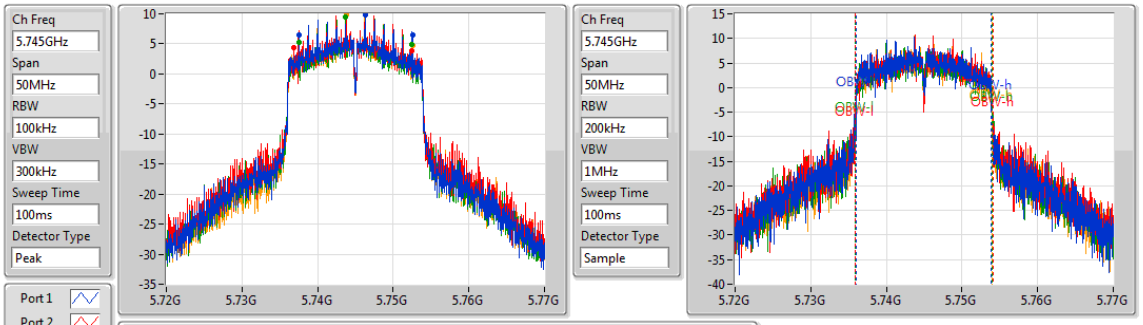
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.4M	5.2298G	5.2502G	17.566M	5.231179G	5.248746G	Inf	1
19.95M	5.23G	5.24995G	17.541M	5.231179G	5.248721G	Inf	2
19.95M	5.23G	5.24995G	17.516M	5.231229G	5.248746G	Inf	3
20.2M	5.22985G	5.25005G	17.566M	5.231179G	5.248746G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5745MHz

14/03/2018



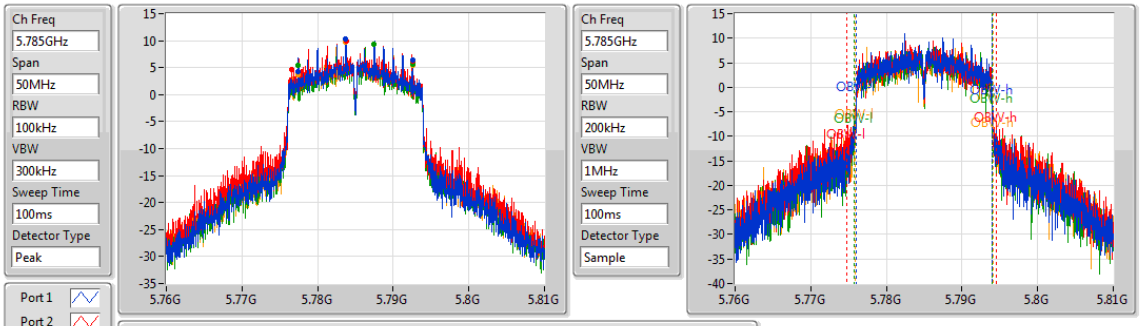
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	5.73755G	5.752525G	17.891M	5.736004G	5.753896G	500k	1
15.575M	5.736875G	5.75245G	18.216M	5.73588G	5.754095G	500k	2
14.925M	5.73755G	5.752475G	18.091M	5.73588G	5.753971G	500k	3
15.025M	5.737525G	5.75255G	17.891M	5.736054G	5.753946G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5785MHz

14/03/2018



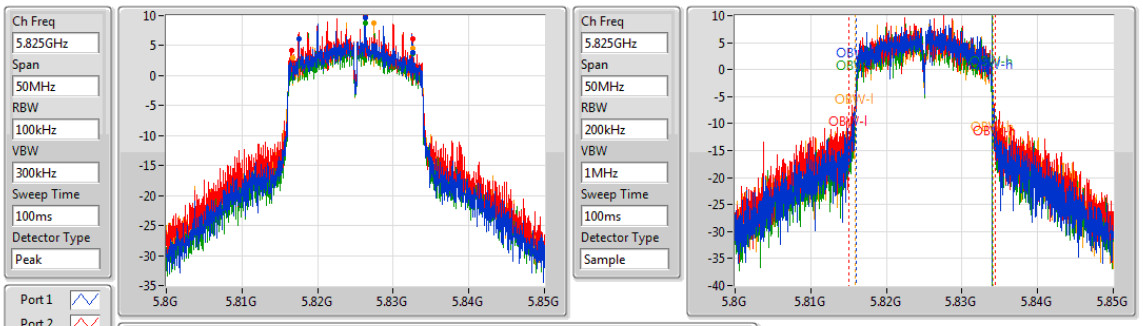
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	5.77745G	5.79255G	17.941M	5.776004G	5.793946G	500k	1
15.925M	5.776625G	5.79255G	19.74M	5.77478G	5.79452G	500k	2
15.075M	5.777475G	5.79255G	18.266M	5.77578G	5.794045G	500k	3
15.1M	5.77745G	5.79255G	18.341M	5.77583G	5.79417G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5825MHz

14/03/2018

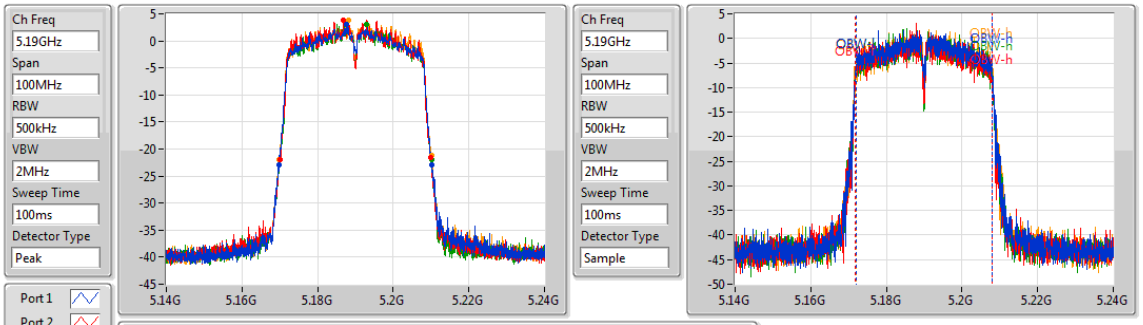


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	5.81755G	5.832575G	17.916M	5.816004G	5.833921G	500k	1
15.925M	5.816625G	5.83255G	19.315M	5.81508G	5.834395G	500k	2
15.075M	5.8175G	5.832575G	17.966M	5.816029G	5.833996G	500k	3
15.9M	5.81665G	5.83255G	18.266M	5.815855G	5.83412G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5190MHz

22/03/2018

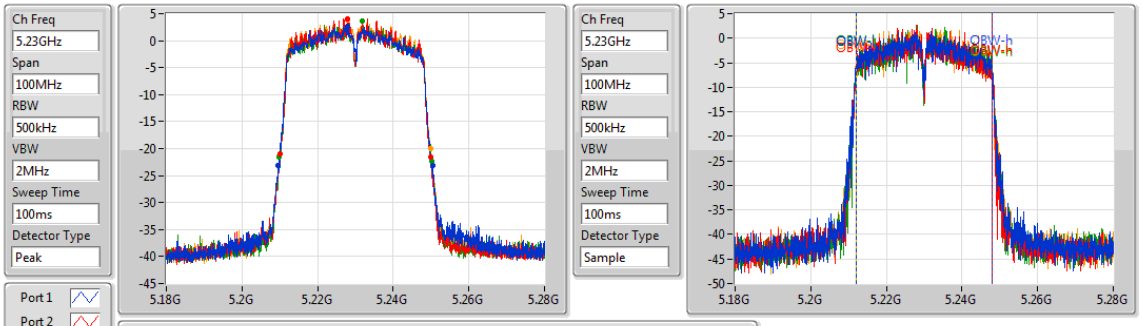


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.4M	5.1698G	5.2102G	35.982M	5.171959G	5.207941G	Inf	1
39.95M	5.17G	5.20995G	35.982M	5.171859G	5.207841G	Inf	2
40.2M	5.16995G	5.21015G	35.982M	5.171909G	5.207891G	Inf	3
40.25M	5.1699G	5.21015G	36.032M	5.171959G	5.207991G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5230MHz

22/03/2018

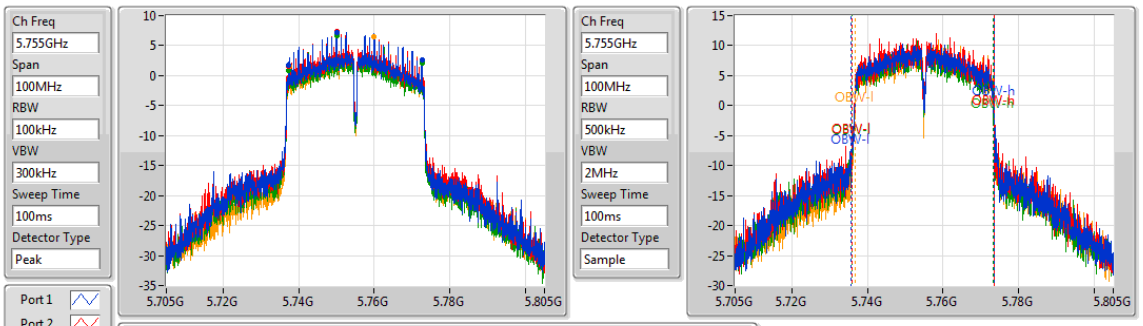


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.85M	5.2096G	5.25045G	35.932M	5.211959G	5.247891G	Inf	1
39.9M	5.21G	5.2499G	35.982M	5.211909G	5.247891G	Inf	2
40.2M	5.2099G	5.2501G	35.982M	5.211959G	5.247941G	Inf	3
40.2M	5.20985G	5.25005G	35.932M	5.211959G	5.247891G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5755MHz

14/03/2018

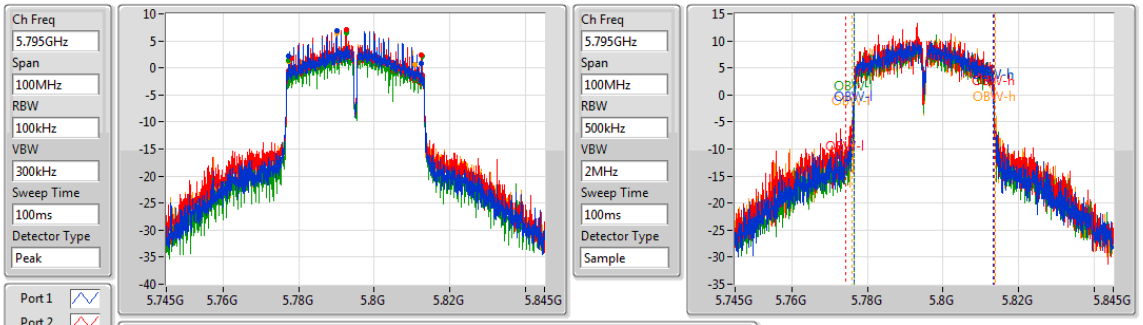


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.1M	5.73745G	5.77255G	37.831M	5.73566G	5.773491G	500k	1
35.1M	5.73745G	5.77255G	37.781M	5.73586G	5.773641G	500k	2
35.1M	5.73745G	5.77255G	37.381M	5.73596G	5.773341G	500k	3
35.05M	5.7375G	5.77255G	36.932M	5.736659G	5.773591G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5795MHz

14/03/2018

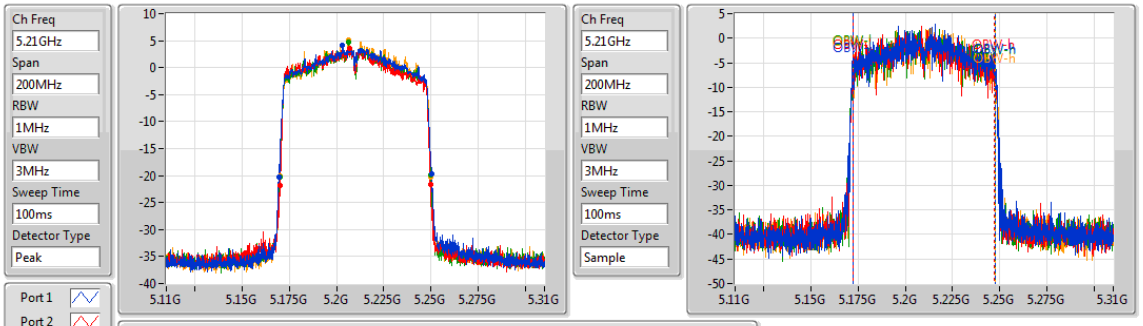


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35M	5.77745G	5.81245G	36.732M	5.776509G	5.813241G	500k	1
34.4M	5.7781G	5.8125G	39.38M	5.77416G	5.813541G	500k	2
35.1M	5.77745G	5.81255G	36.882M	5.776459G	5.813341G	500k	3
33.2M	5.77745G	5.81065G	37.981M	5.77586G	5.813841G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5210MHz

22/03/2018

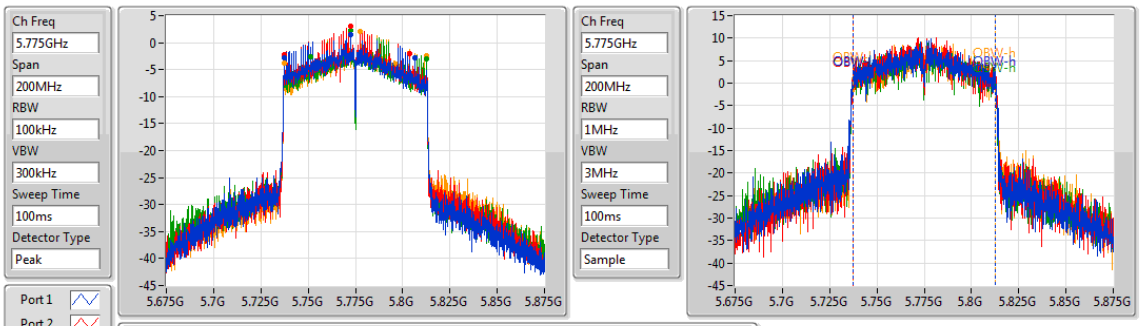


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81M	5.1694G	5.2504G	75.162M	5.172319G	5.247481G	Inf	1
79.5M	5.1701G	5.2496G	74.863M	5.172319G	5.247181G	Inf	2
79.9M	5.17G	5.2499G	75.162M	5.172319G	5.247481G	Inf	3
79.8M	5.1701G	5.2499G	74.763M	5.172619G	5.247381G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5775MHz

20/03/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
68.9M	5.7374G	5.8063G	75.462M	5.737119G	5.812581G	500k	1
66.2M	5.7375G	5.8037G	75.162M	5.737319G	5.812481G	500k	2
61.3M	5.7512G	5.8125G	75.262M	5.737219G	5.812481G	500k	3
75M	5.7375G	5.8125G	75.462M	5.737319G	5.812781G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	24.07	0.25527	28.57	0.71945
802.11ac VHT20_Nss1,(MCS0)_4TX	24.31	0.26977	28.81	0.76033
802.11ac VHT40_Nss1,(MCS0)_4TX	25.04	0.31915	29.54	0.89950
802.11ac VHT80_Nss1,(MCS0)_4TX	17.52	0.05649	22.02	0.15922
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	25.67	0.36898	30.17	1.03992
802.11ac VHT20_Nss1,(MCS0)_4TX	25.82	0.38194	30.32	1.07647
802.11ac VHT40_Nss1,(MCS0)_4TX	25.85	0.38459	30.35	1.08393
802.11ac VHT80_Nss1,(MCS0)_4TX	23.14	0.20606	27.64	0.58076

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	4.50	17.14	15.88	15.98	16.53	22.43	30.00	26.93	36.00
5200MHz_TnomVnom	Pass	4.50	18.47	17.05	17.65	18.15	23.88	30.00	28.38	36.00
5240MHz_TnomVnom	Pass	4.50	18.52	17.98	17.71	17.95	24.07	30.00	28.57	36.00
5745MHz_TnomVnom	Pass	4.50	18.90	18.73	19.46	20.68	25.53	30.00	30.03	36.00
5785MHz_TnomVnom	Pass	4.50	19.54	19.31	19.84	19.88	25.67	30.00	30.17	36.00
5825MHz_TnomVnom	Pass	4.50	18.54	18.24	19.14	19.13	24.80	30.00	29.30	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	4.50	16.46	15.36	15.78	15.74	21.87	30.00	26.37	36.00
5200MHz_TnomVnom	Pass	4.50	18.98	17.81	17.94	18.35	24.31	30.00	28.81	36.00
5240MHz_TnomVnom	Pass	4.50	18.42	17.64	17.65	17.75	23.90	30.00	28.40	36.00
5745MHz_TnomVnom	Pass	4.50	19.57	19.18	19.93	19.91	25.68	30.00	30.18	36.00
5785MHz_TnomVnom	Pass	4.50	19.64	19.24	19.98	19.81	25.70	30.00	30.20	36.00
5825MHz_TnomVnom	Pass	4.50	19.65	19.12	20.42	19.92	25.82	30.00	30.32	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	4.50	15.01	13.92	14.01	14.22	20.33	30.00	24.83	36.00
5230MHz_TnomVnom	Pass	4.50	19.49	18.68	18.99	18.88	25.04	30.00	29.54	36.00
5755MHz_TnomVnom	Pass	4.50	19.77	19.29	20.04	19.93	25.79	30.00	30.29	36.00
5795MHz_TnomVnom	Pass	4.50	19.97	19.36	19.85	20.09	25.85	30.00	30.35	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	4.50	12.45	11.18	11.29	10.89	17.52	30.00	22.02	36.00
5775MHz_TnomVnom	Pass	4.50	17.11	16.65	17.57	17.09	23.14	30.00	27.64	36.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.32	0.04285	20.82	0.12078
802.11ac VHT20_Nss1,(MCS0)_4TX	16.02	0.03999	20.52	0.11272
802.11ac VHT40_Nss1,(MCS0)_4TX	16.13	0.04102	20.63	0.11561
802.11ac VHT80_Nss1,(MCS0)_4TX	16.23	0.04198	20.73	0.11830
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	25.67	0.36898	30.17	1.03992
802.11ac VHT20_Nss1,(MCS0)_4TX	25.82	0.38194	30.32	1.07647
802.11ac VHT40_Nss1,(MCS0)_4TX	25.85	0.38459	30.35	1.08393
802.11ac VHT80_Nss1,(MCS0)_4TX	23.14	0.20606	27.64	0.58076

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	4.50	10.96	9.37	9.48	9.71	15.95	30.00	20.45	36.00
5200MHz_TnomVnom	Pass	4.50	11.28	9.68	9.77	9.99	16.25	30.00	20.75	36.00
5240MHz_TnomVnom	Pass	4.50	11.17	10.06	9.70	10.14	16.32	30.00	20.82	36.00
5745MHz_TnomVnom	Pass	4.50	18.90	18.73	19.46	20.68	25.53	30.00	30.03	36.00
5785MHz_TnomVnom	Pass	4.50	19.54	19.31	19.84	19.88	25.67	30.00	30.17	36.00
5825MHz_TnomVnom	Pass	4.50	18.54	18.24	19.14	19.13	24.80	30.00	29.30	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	4.50	10.91	9.50	9.72	9.71	16.02	30.00	20.52	36.00
5200MHz_TnomVnom	Pass	4.50	10.85	9.39	9.70	9.59	15.94	30.00	20.44	36.00
5240MHz_TnomVnom	Pass	4.50	10.92	9.54	9.69	9.48	15.97	30.00	20.47	36.00
5745MHz_TnomVnom	Pass	4.50	19.57	19.18	19.93	19.91	25.68	30.00	30.18	36.00
5785MHz_TnomVnom	Pass	4.50	19.64	19.24	19.98	19.81	25.70	30.00	30.20	36.00
5825MHz_TnomVnom	Pass	4.50	19.65	19.12	20.42	19.92	25.82	30.00	30.32	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	4.50	11.20	9.19	9.66	9.83	16.06	30.00	20.56	36.00
5230MHz_TnomVnom	Pass	4.50	11.12	9.85	9.83	9.46	16.13	30.00	20.63	36.00
5755MHz_TnomVnom	Pass	4.50	19.77	19.29	20.04	19.93	25.79	30.00	30.29	36.00
5795MHz_TnomVnom	Pass	4.50	19.97	19.36	19.85	20.09	25.85	30.00	30.35	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	4.50	11.04	10.02	10.01	9.66	16.23	30.00	20.73	36.00
5775MHz_TnomVnom	Pass	4.50	17.11	16.65	17.57	17.09	23.14	30.00	27.64	36.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	12.10	22.62
802.11ac VHT20_Nss1,(MCS0)_4TX	12.39	22.91
802.11ac VHT40_Nss1,(MCS0)_4TX	10.94	21.46
802.11ac VHT80_Nss1,(MCS0)_4TX	1.08	11.60
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	12.54	23.06
802.11ac VHT20_Nss1,(MCS0)_4TX	12.54	23.06
802.11ac VHT40_Nss1,(MCS0)_4TX	9.63	20.15
802.11ac VHT80_Nss1,(MCS0)_4TX	5.36	15.88

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

Result

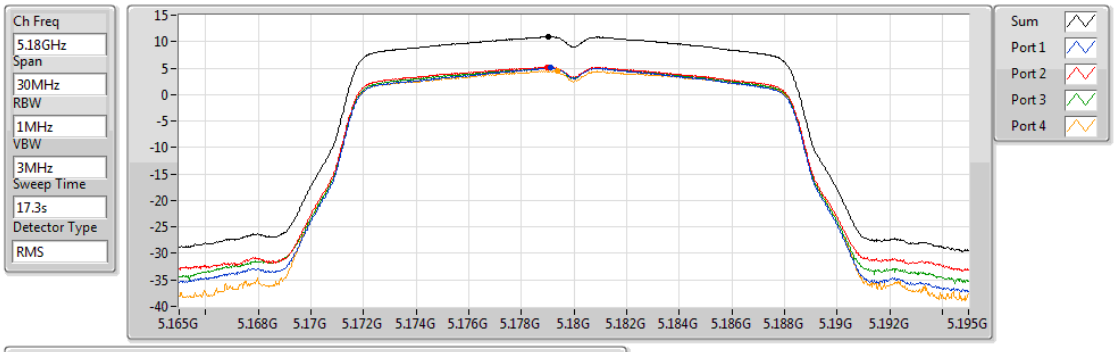
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	10.52	5.01	5.17	5.03	4.50	10.92	12.48	21.44	23.00
5200MHz_TnomVnom	Pass	10.52	5.94	6.28	4.99	6.94	12.06	12.48	22.58	23.00
5240MHz_TnomVnom	Pass	10.52	6.50	5.94	4.80	6.89	12.10	12.48	22.62	23.00
5745MHz_TnomVnom	Pass	10.52	6.81	6.96	6.12	6.20	12.54	25.48	23.06	36.00
5785MHz_TnomVnom	Pass	10.52	5.96	6.94	6.02	6.80	12.46	25.48	22.98	36.00
5825MHz_TnomVnom	Pass	10.52	5.97	5.88	5.15	4.93	11.47	25.48	21.99	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	10.52	4.11	4.83	4.37	4.38	10.41	12.48	20.93	23.00
5200MHz_TnomVnom	Pass	10.52	6.19	6.85	5.01	6.78	12.23	12.48	22.75	23.00
5240MHz_TnomVnom	Pass	10.52	6.91	6.29	5.08	6.97	12.39	12.48	22.91	23.00
5745MHz_TnomVnom	Pass	10.52	6.59	6.95	6.22	6.32	12.50	25.48	23.02	36.00
5785MHz_TnomVnom	Pass	10.52	6.63	7.01	6.09	6.49	12.54	25.48	23.06	36.00
5825MHz_TnomVnom	Pass	10.52	6.25	6.63	5.55	6.11	12.12	25.48	22.64	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	10.52	0.71	0.66	0.54	0.49	6.57	12.48	17.09	23.00
5230MHz_TnomVnom	Pass	10.52	5.06	5.10	4.52	5.04	10.94	12.48	21.46	23.00
5755MHz_TnomVnom	Pass	10.52	3.87	3.83	3.12	3.15	9.50	25.48	20.02	36.00
5795MHz_TnomVnom	Pass	10.52	3.79	4.00	3.14	3.54	9.63	25.48	20.15	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	10.52	-4.78	-4.78	-4.94	-4.69	1.08	12.48	11.60	23.00
5775MHz_TnomVnom	Pass	10.52	-0.50	0.03	-0.89	-0.87	5.36	25.48	15.88	36.00

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

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

5180MHz

20/03/2018

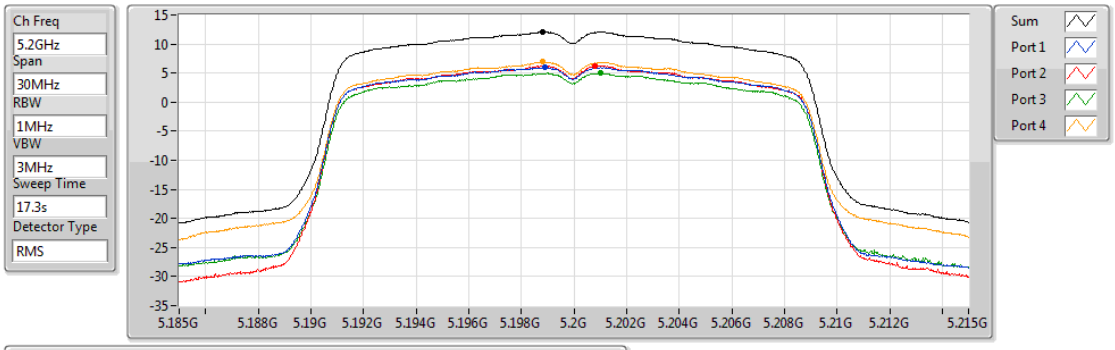


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.92	10.92	5.01	5.17	5.03	4.50

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

5200MHz

18/10/2018

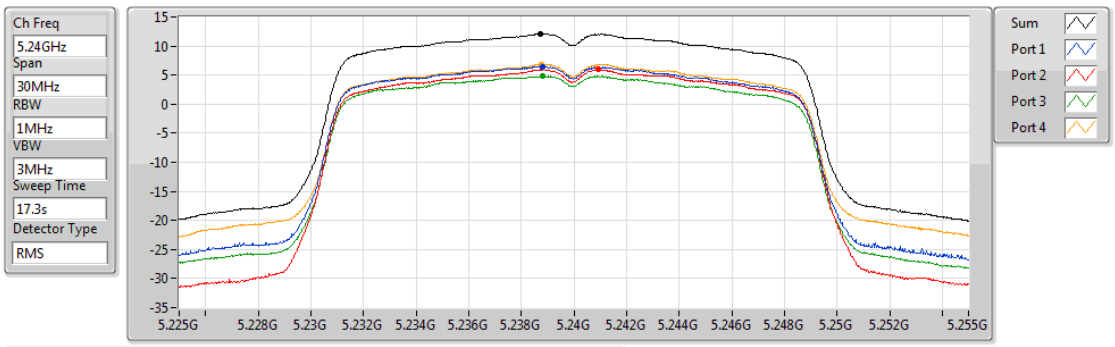


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.06	12.06	5.94	6.28	4.99	6.94

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

5240MHz

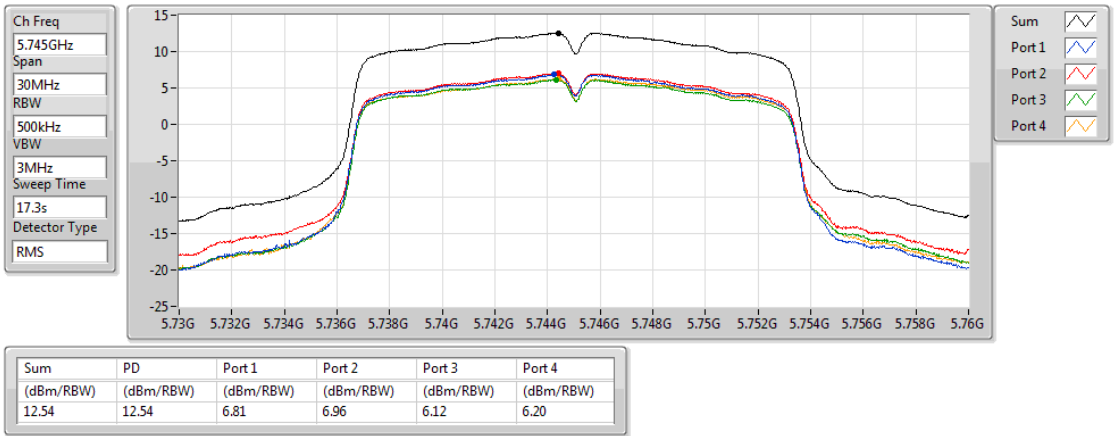
18/10/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.10	12.10	6.50	5.94	4.80	6.89

802.11a_Nss1,(6Mbps)_4TX PSD

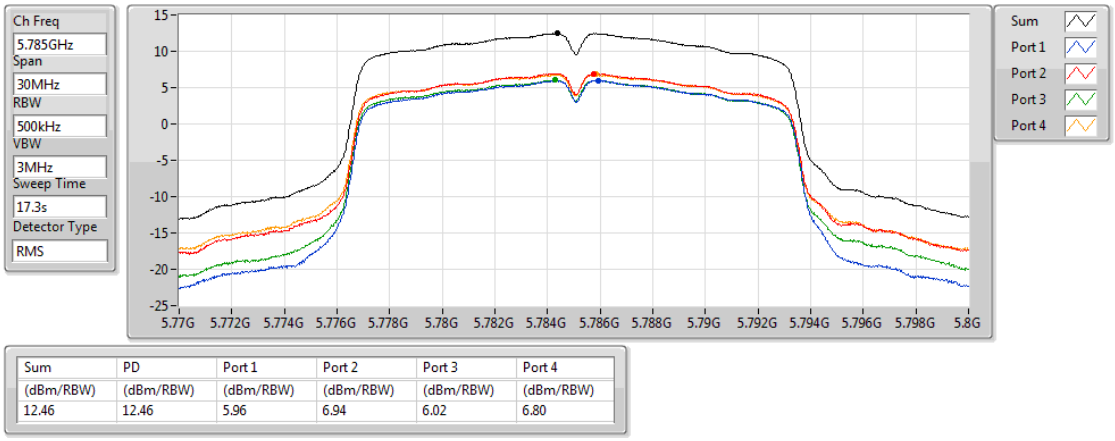
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.54	12.54	6.81	6.96	6.12	6.20

802.11a_Nss1,(6Mbps)_4TX PSD

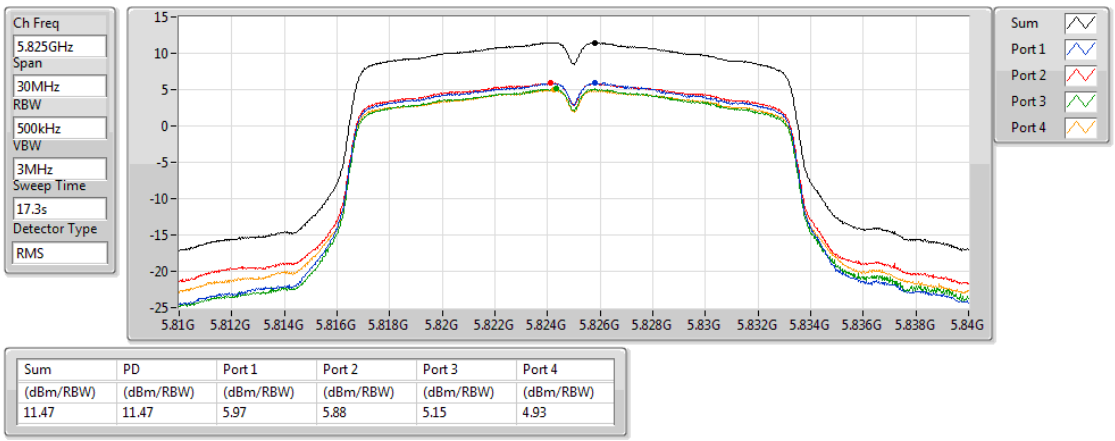
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.46	12.46	5.96	6.94	6.02	6.80

802.11a_Nss1,(6Mbps)_4TX PSD

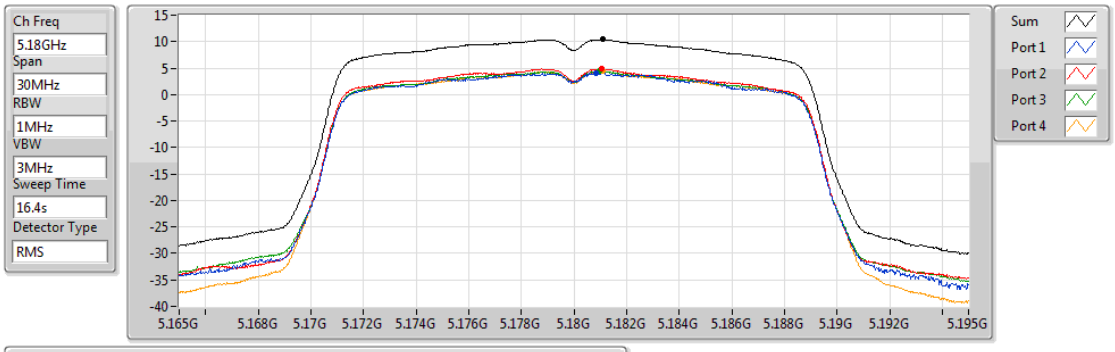
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.47	11.47	5.97	5.88	5.15	4.93

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

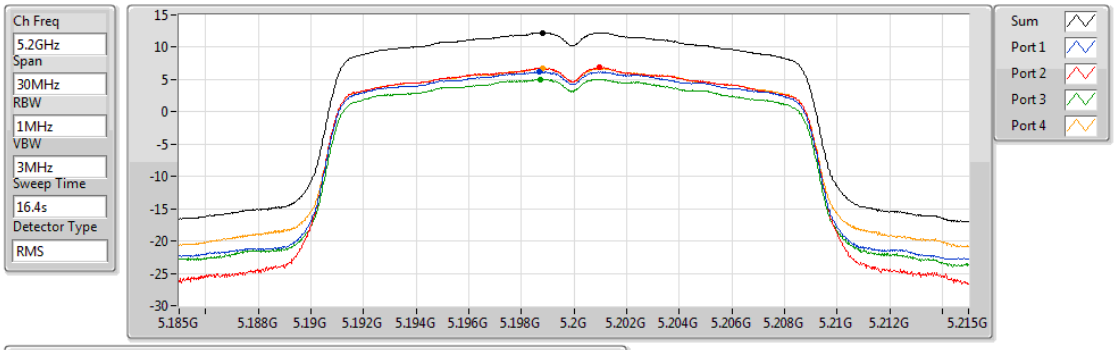
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.41	10.41	4.11	4.83	4.37	4.38

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

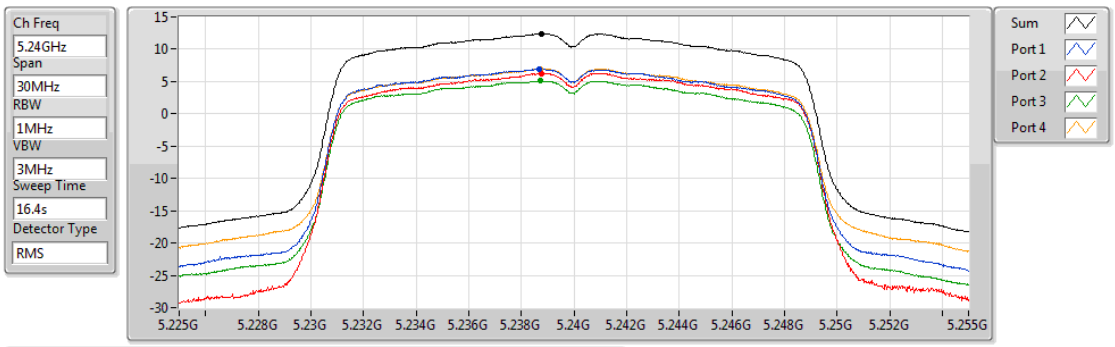
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.23	12.23	6.19	6.85	5.01	6.78

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

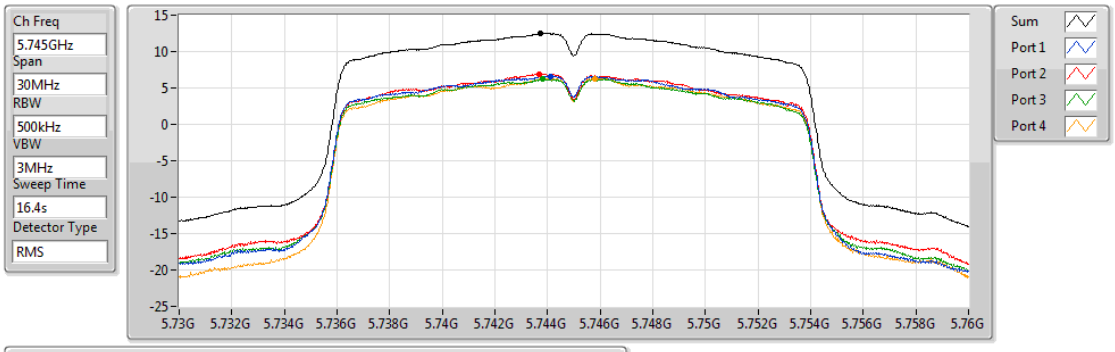
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.39	12.39	6.91	6.29	5.08	6.97

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

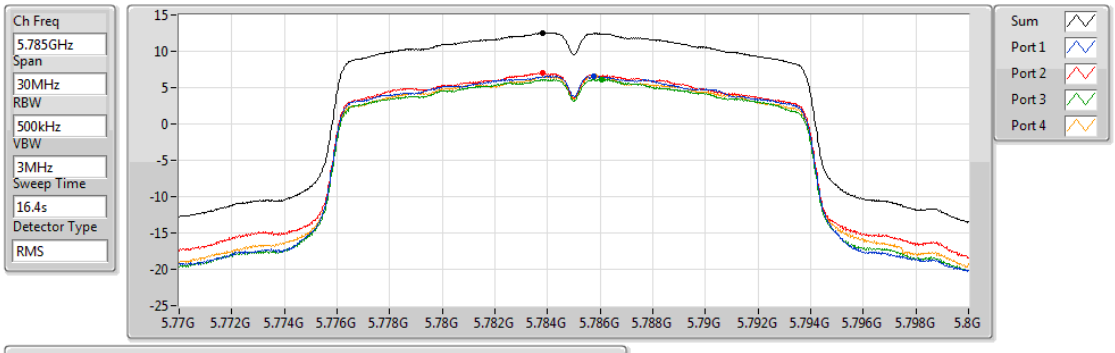
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.50	12.50	6.59	6.95	6.22	6.32

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

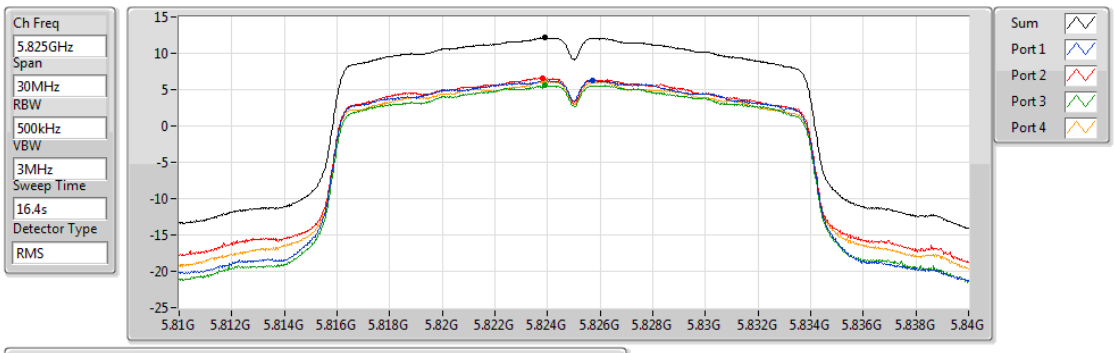
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.54	12.54	6.63	7.01	6.09	6.49

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

5825MHz

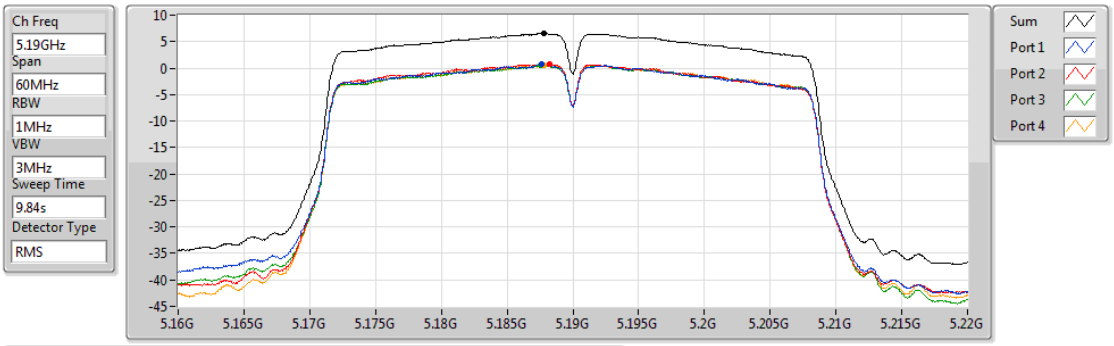


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.12	12.12	6.25	6.63	5.55	6.11

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5190MHz

20/03/2018

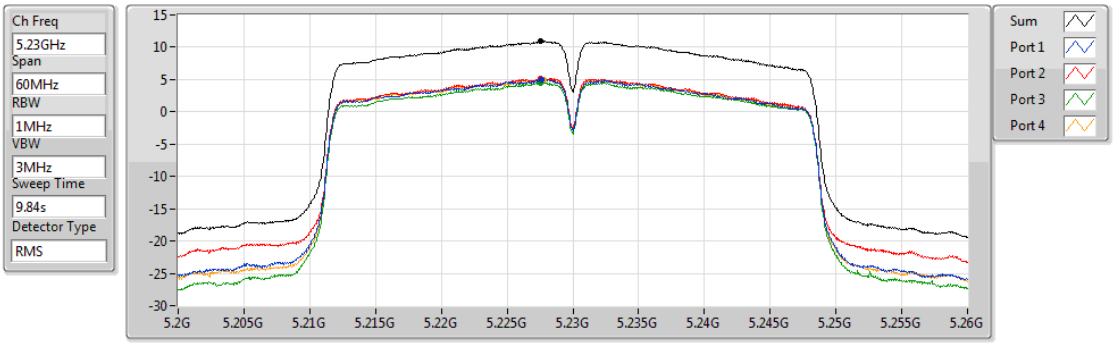


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.57	6.57	0.71	0.66	0.54	0.49

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5230MHz

20/03/2018

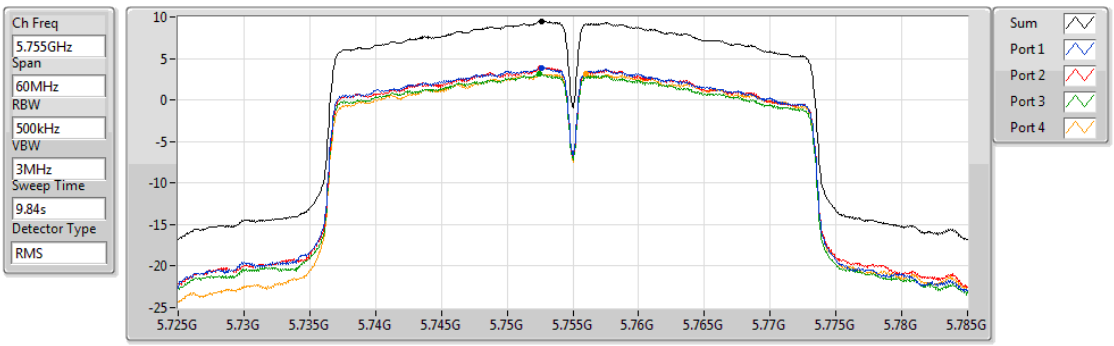


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.94	10.94	5.06	5.10	4.52	5.04

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

5755MHz

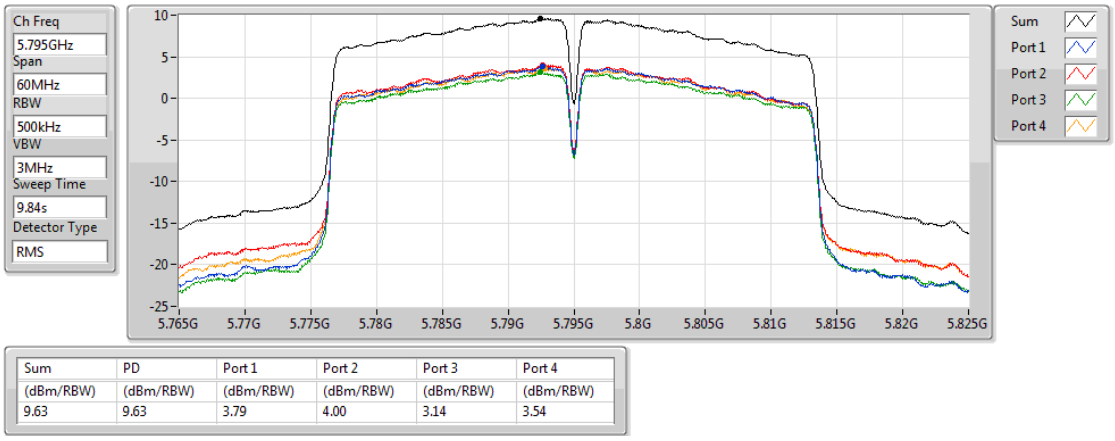
14/03/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.50	9.50	3.87	3.83	3.12	3.15

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

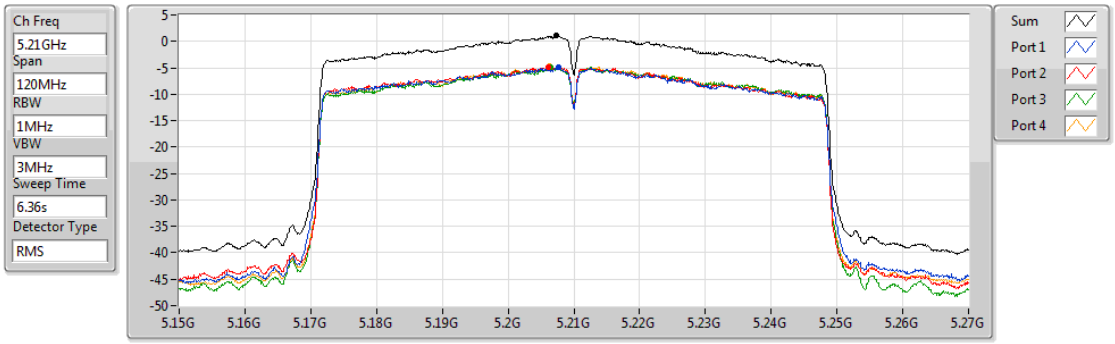
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.63	9.63	3.79	4.00	3.14	3.54

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

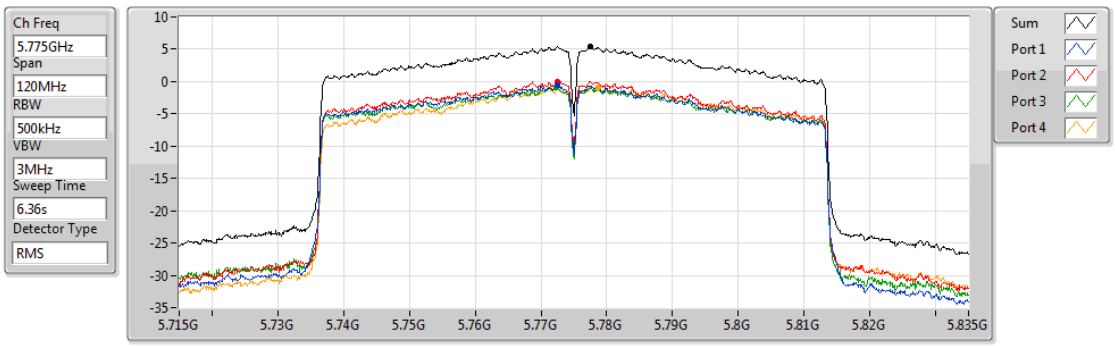
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.08	1.08	-4.78	-4.78	-4.94	-4.69

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)
5.36	5.36	-0.50	0.03	-0.89	-0.87

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	5.40	15.92
802.11ac VHT20_Nss1,(MCS0)_4TX	5.26	15.78
802.11ac VHT40_Nss1,(MCS0)_4TX	2.48	13.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-0.31	10.21
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	12.54	23.06
802.11ac VHT20_Nss1,(MCS0)_4TX	12.54	23.06
802.11ac VHT40_Nss1,(MCS0)_4TX	9.63	20.15
802.11ac VHT80_Nss1,(MCS0)_4TX	5.36	15.88

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

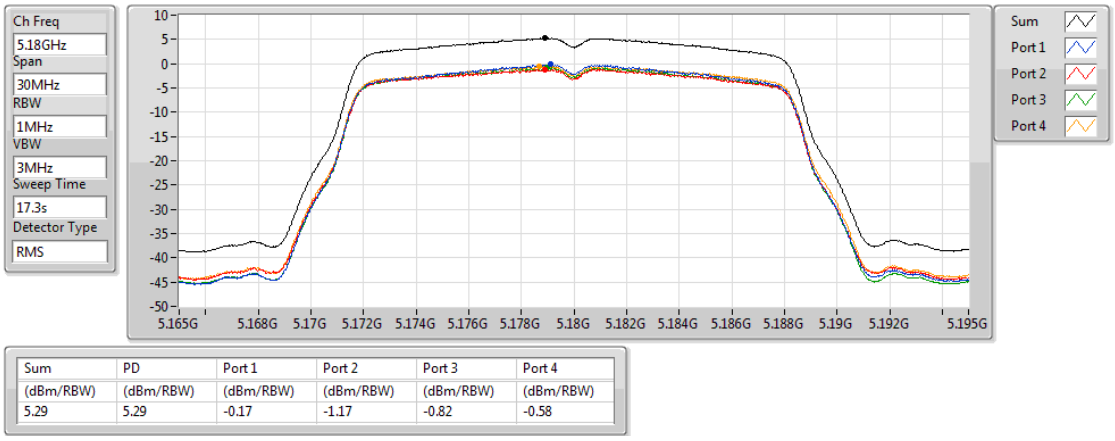
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	10.52	-0.17	-1.17	-0.82	-0.58	5.29	12.48	15.81	23.00
5200MHz_TnomVnom	Pass	10.52	-0.13	-0.95	-0.80	-0.37	5.39	12.48	15.91	23.00
5240MHz_TnomVnom	Pass	10.52	-0.03	-0.98	-0.78	-0.37	5.40	12.48	15.92	23.00
5745MHz_TnomVnom	Pass	10.52	6.81	6.96	6.12	6.20	12.54	25.48	23.06	36.00
5785MHz_TnomVnom	Pass	10.52	5.96	6.94	6.02	6.80	12.46	25.48	22.98	36.00
5825MHz_TnomVnom	Pass	10.52	5.97	5.88	5.15	4.93	11.47	25.48	21.99	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	10.52	-0.92	-1.05	-0.85	-0.53	5.11	12.48	15.63	23.00
5200MHz_TnomVnom	Pass	10.52	-0.57	-0.97	-0.83	-0.38	5.26	12.48	15.78	23.00
5240MHz_TnomVnom	Pass	10.52	-0.72	-1.04	-0.92	-0.40	5.16	12.48	15.68	23.00
5745MHz_TnomVnom	Pass	10.52	6.59	6.95	6.22	6.32	12.50	25.48	23.02	36.00
5785MHz_TnomVnom	Pass	10.52	6.63	7.01	6.09	6.49	12.54	25.48	23.06	36.00
5825MHz_TnomVnom	Pass	10.52	6.25	6.63	5.55	6.11	12.12	25.48	22.64	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	10.52	-3.15	-4.01	-3.79	-3.54	2.31	12.48	12.83	23.00
5230MHz_TnomVnom	Pass	10.52	-2.91	-3.86	-3.57	-3.36	2.48	12.48	13.00	23.00
5755MHz_TnomVnom	Pass	10.52	3.87	3.83	3.12	3.15	9.50	25.48	20.02	36.00
5795MHz_TnomVnom	Pass	10.52	3.79	4.00	3.14	3.54	9.63	25.48	20.15	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	10.52	-5.78	-6.72	-6.52	-5.97	-0.31	12.48	10.21	23.00
5775MHz_TnomVnom	Pass	10.52	-0.50	0.03	-0.89	-0.87	5.36	25.48	15.88	36.00

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

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

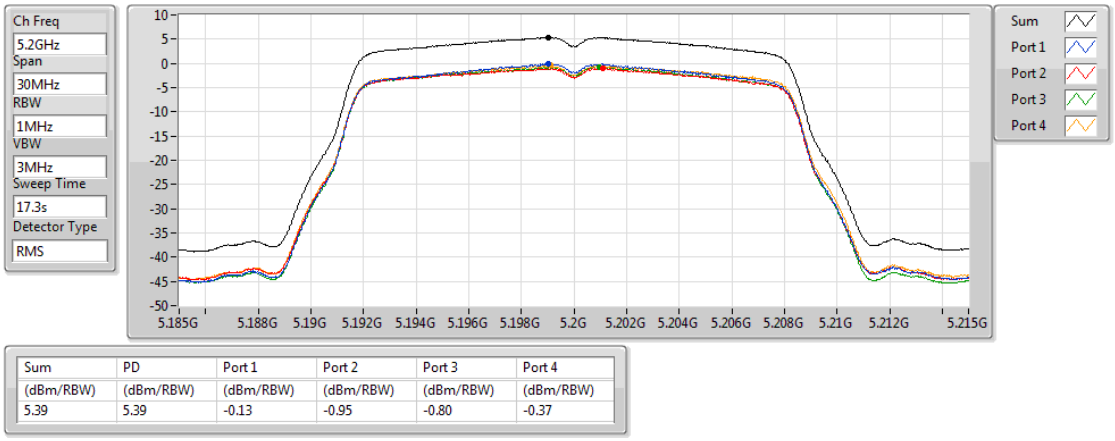
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.29	5.29	-0.17	-1.17	-0.82	-0.58

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

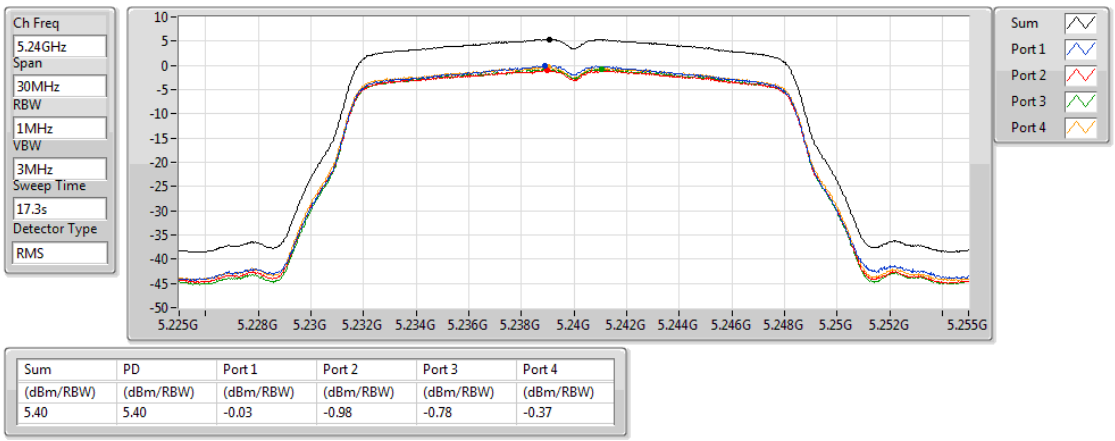
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.39	5.39	-0.13	-0.95	-0.80	-0.37

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

5240MHz

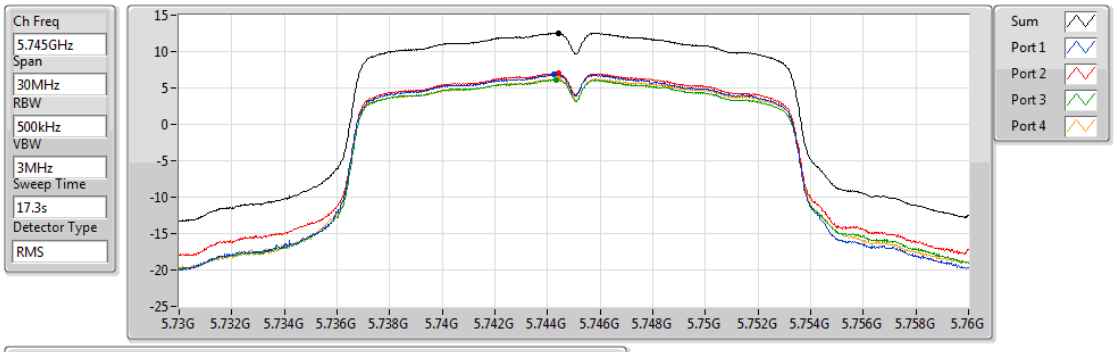


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.40	5.40	-0.03	-0.98	-0.78	-0.37

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

5745MHz

14/03/2018

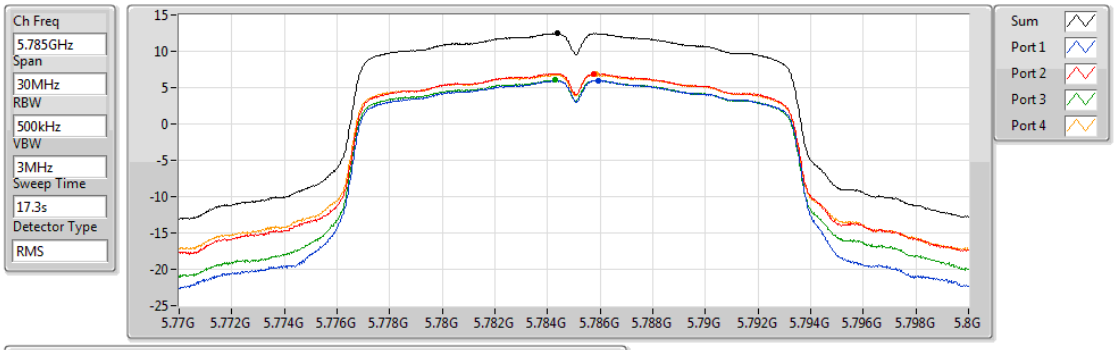


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.54	12.54	6.81	6.96	6.12	6.20

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

5785MHz

14/03/2018

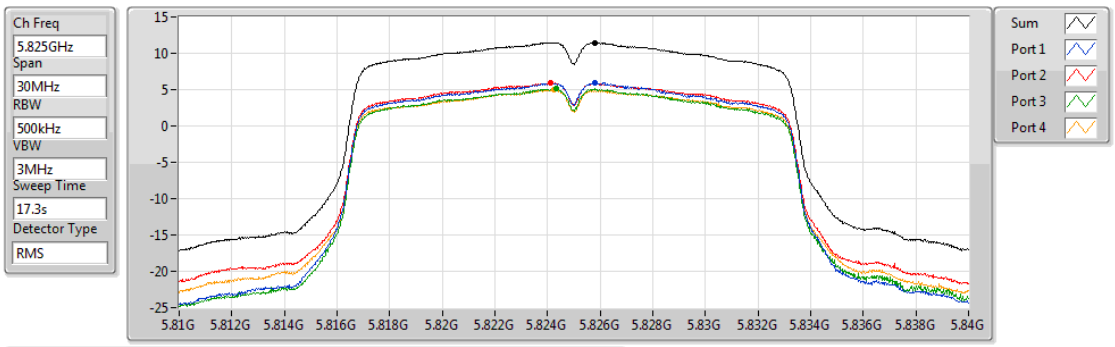


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.46	12.46	5.96	6.94	6.02	6.80

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

5825MHz

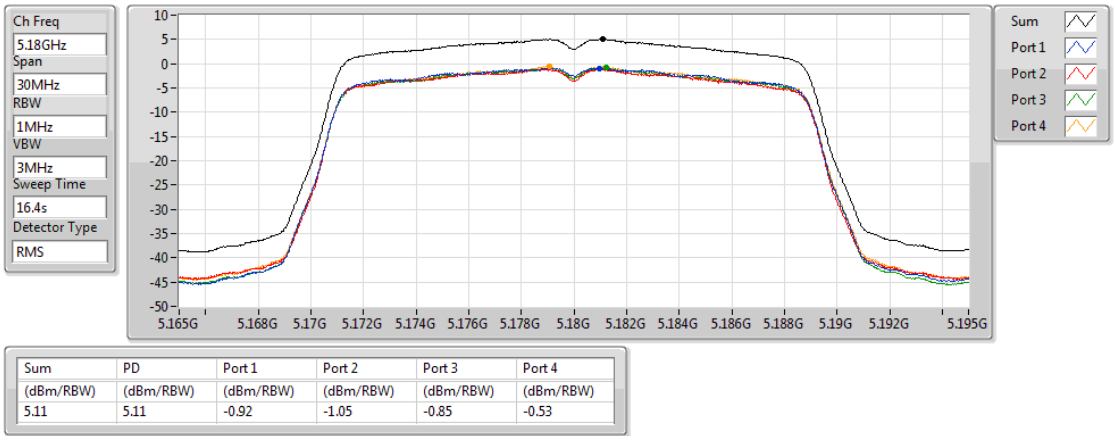
20/03/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.47	11.47	5.97	5.88	5.15	4.93

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

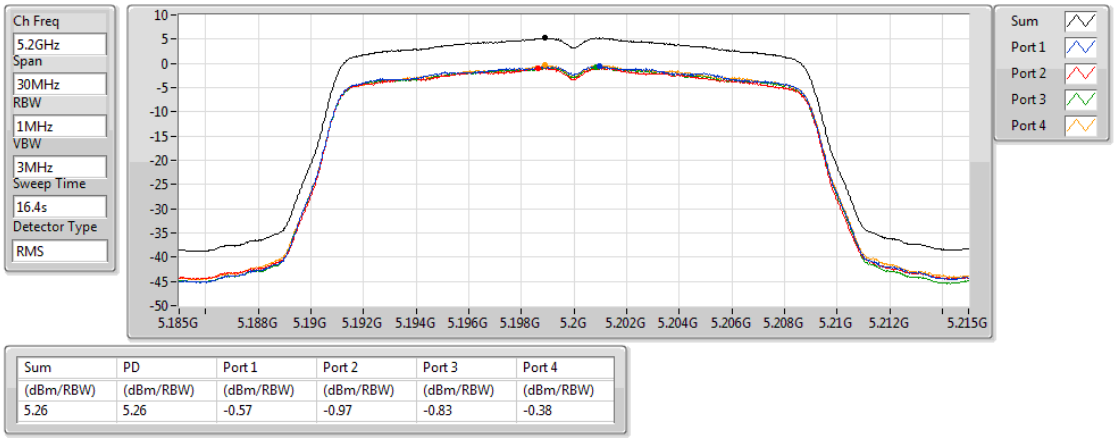
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.11	5.11	-0.92	-1.05	-0.85	-0.53

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

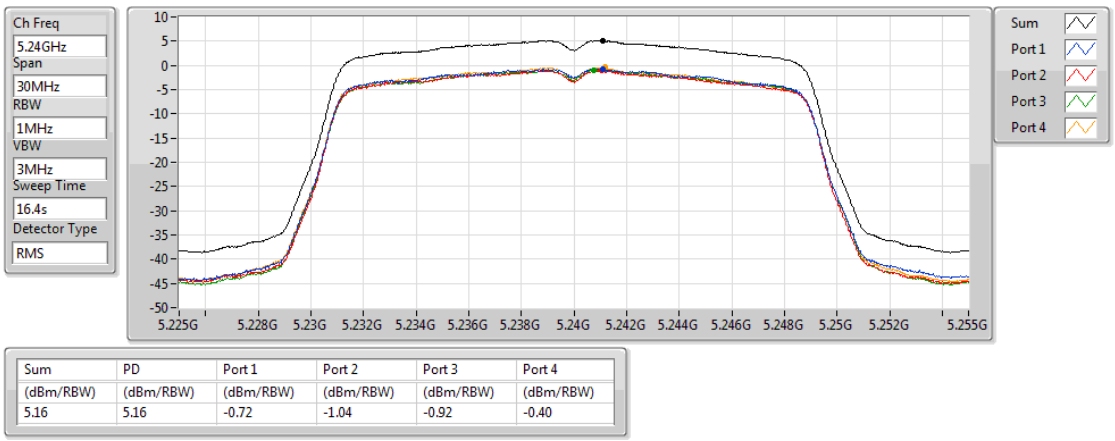
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.26	5.26	-0.57	-0.97	-0.83	-0.38

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

5240MHz

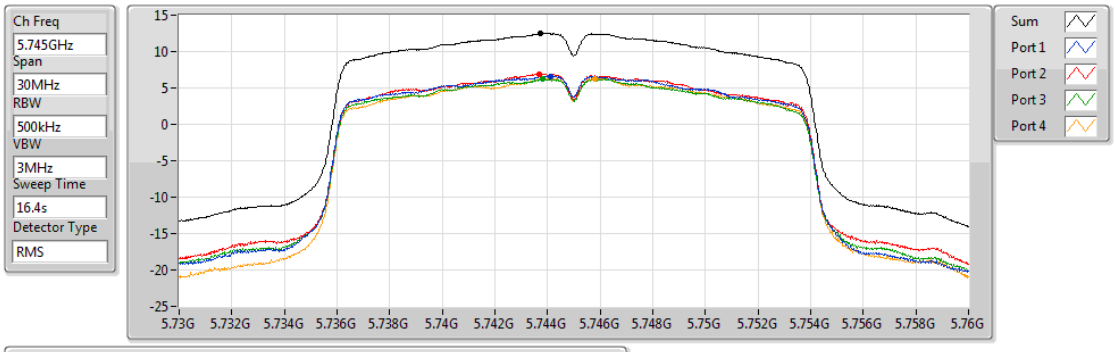


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.16	5.16	-0.72	-1.04	-0.92	-0.40

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

5745MHz

14/03/2018

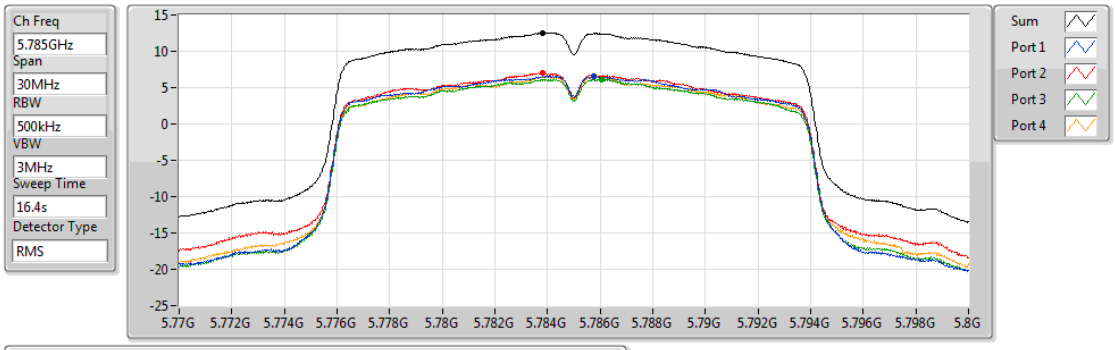


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.50	12.50	6.59	6.95	6.22	6.32

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

5785MHz

14/03/2018

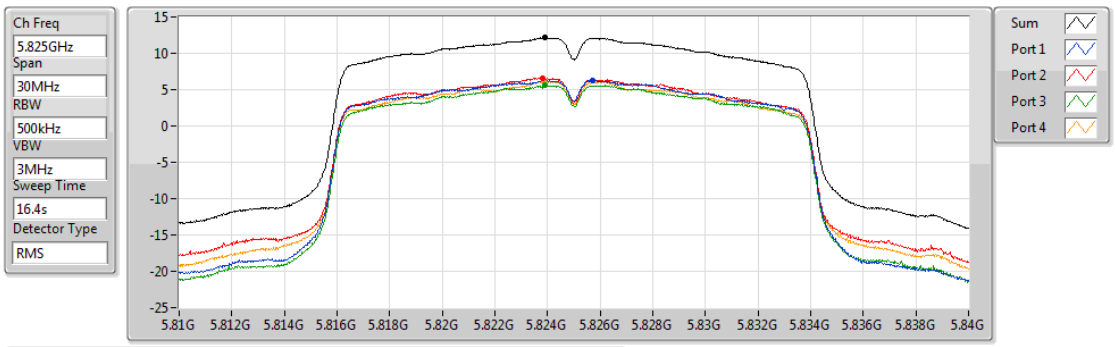


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.54	12.54	6.63	7.01	6.09	6.49

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

5825MHz

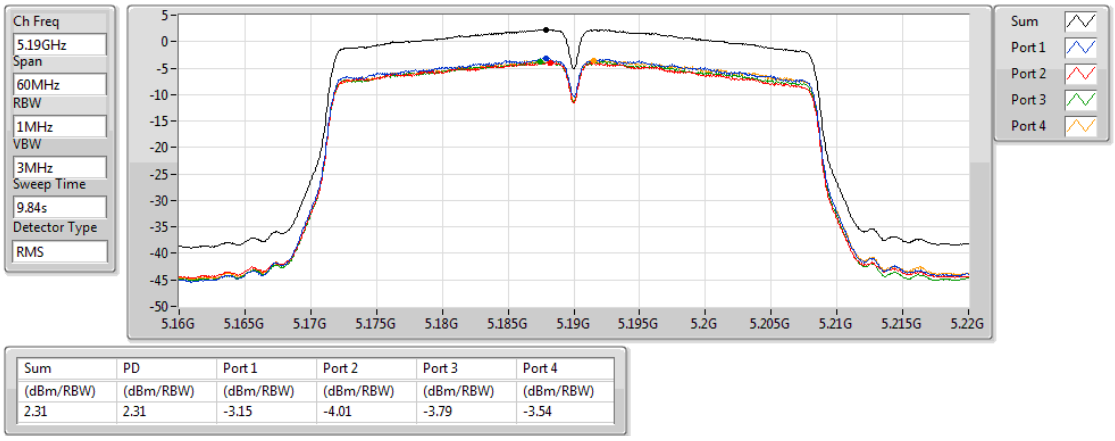
14/03/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.12	12.12	6.25	6.63	5.55	6.11

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

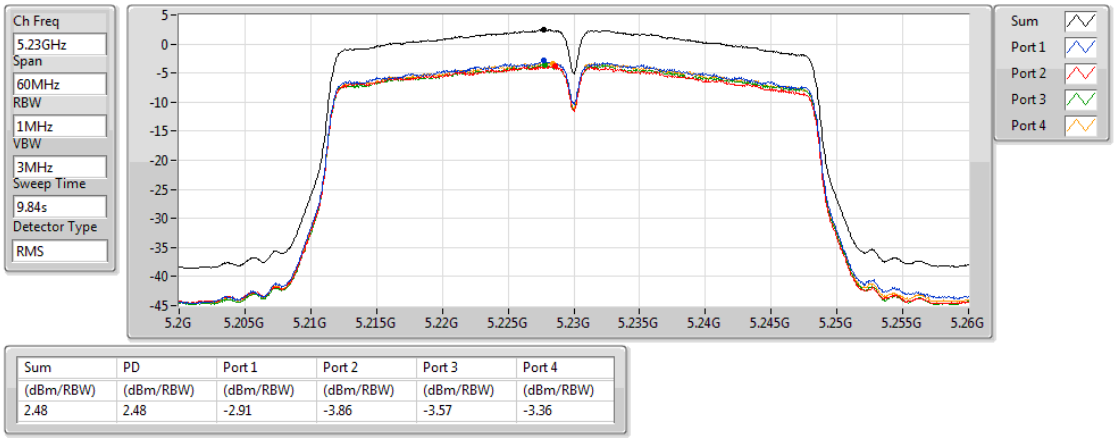
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.31	2.31	-3.15	-4.01	-3.79	-3.54

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

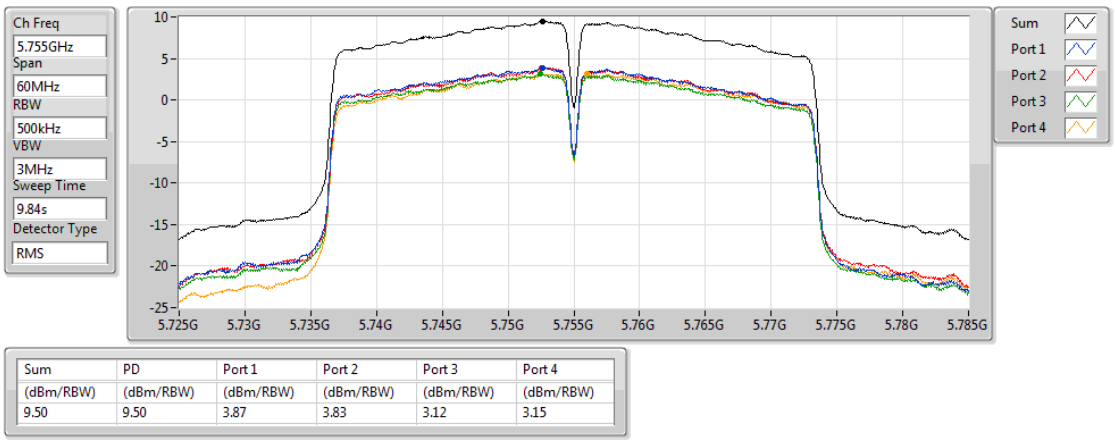
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.48	2.48	-2.91	-3.86	-3.57	-3.36

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

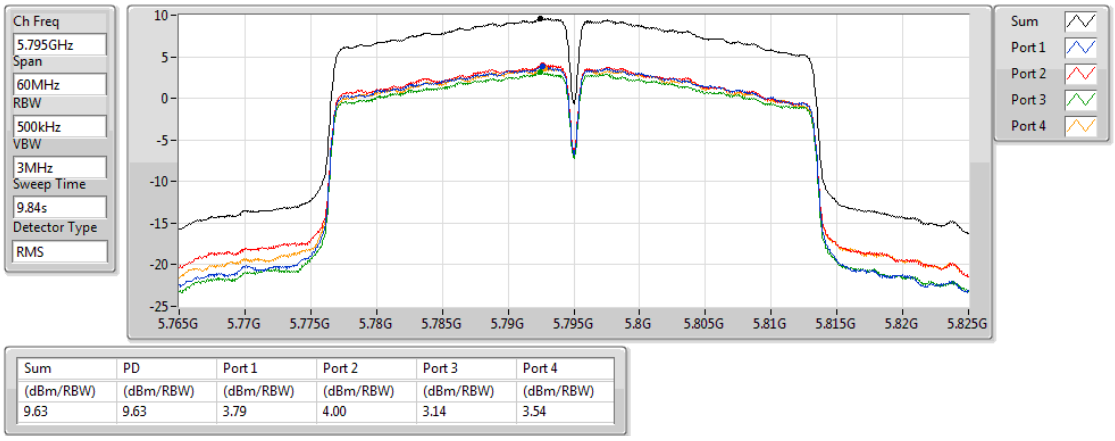
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.50	9.50	3.87	3.83	3.12	3.15

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

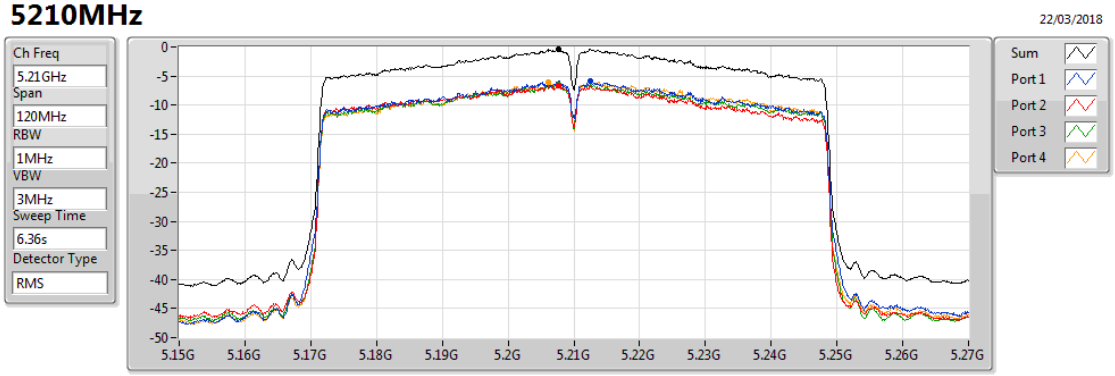
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.63	9.63	3.79	4.00	3.14	3.54

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

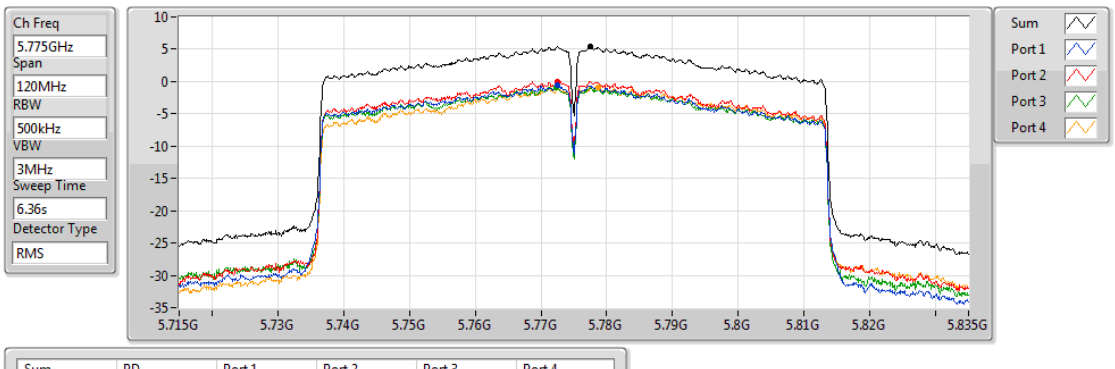
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.31	-0.31	-5.78	-6.72	-6.52	-5.97

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)
5.36	5.36	-0.50	0.03	-0.89	-0.87

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	889.42M	36.78	46.00	-9.22	2.50	3	Vertical	360	1.00	-

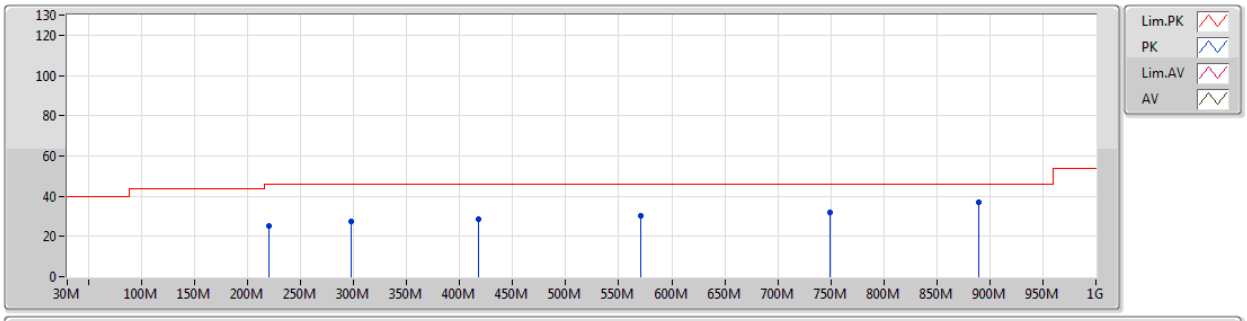
Result

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	220.12M	25.07	46.00	-20.93	-10.49	3	Vertical	360	1.00	-
5775MHz	Pass	PK	297.72M	27.72	46.00	-18.28	-5.75	3	Vertical	360	1.00	-
5775MHz	Pass	PK	418M	28.56	46.00	-17.44	-2.78	3	Vertical	360	1.00	-
5775MHz	Pass	PK	571.26M	30.03	46.00	-15.97	-0.94	3	Vertical	360	1.00	-
5775MHz	Pass	PK	749.74M	31.99	46.00	-14.01	1.04	3	Vertical	360	1.00	-
5775MHz	Pass	PK	889.42M	36.78	46.00	-9.22	2.50	3	Vertical	360	1.00	-
5775MHz	Pass	PK	218.18M	27.90	46.00	-18.10	-10.52	3	Horizontal	0	2.00	-
5775MHz	Pass	PK	328.76M	25.17	46.00	-20.83	-5.38	3	Horizontal	0	2.00	-
5775MHz	Pass	PK	449.04M	27.49	46.00	-18.51	-2.85	3	Horizontal	0	2.00	-
5775MHz	Pass	PK	594.54M	30.25	46.00	-15.75	-0.92	3	Horizontal	0	2.00	-
5775MHz	Pass	PK	730.34M	31.92	46.00	-14.08	0.69	3	Horizontal	0	2.00	-
5775MHz	Pass	PK	864.2M	33.50	46.00	-12.50	2.25	3	Horizontal	0	2.00	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_Switching Power Supply

06/11/2018

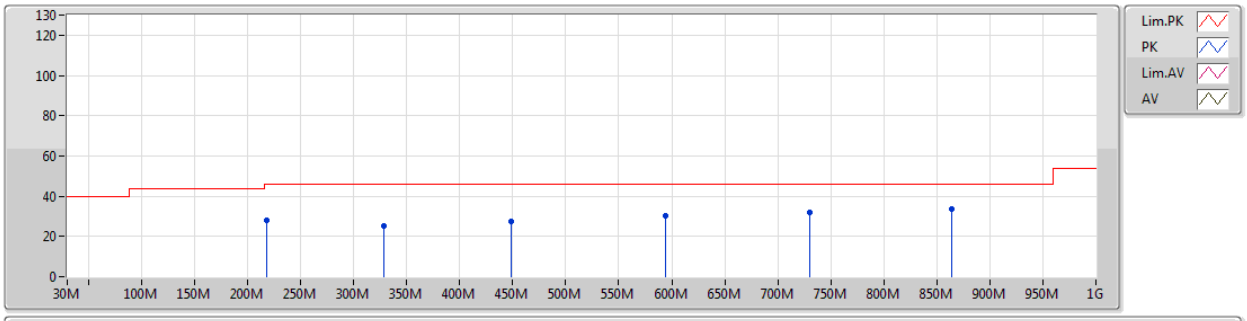


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	220.12M	25.07	46.00	-20.93	-10.49	3	Vertical	360	1.00	-
PK	297.72M	27.72	46.00	-18.28	-5.75	3	Vertical	360	1.00	-
PK	418M	28.56	46.00	-17.44	-2.78	3	Vertical	360	1.00	-
PK	571.26M	30.03	46.00	-15.97	-0.94	3	Vertical	360	1.00	-
PK	749.74M	31.99	46.00	-14.01	1.04	3	Vertical	360	1.00	-
PK	889.42M	36.78	46.00	-9.22	2.50	3	Vertical	360	1.00	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_Switching Power Supply

06/11/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	218.18M	27.90	46.00	-18.10	-10.52	3	Horizontal	0	2.00	-
PK	328.76M	25.17	46.00	-20.83	-5.38	3	Horizontal	0	2.00	-
PK	449.04M	27.49	46.00	-18.51	-2.85	3	Horizontal	0	2.00	-
PK	594.54M	30.25	46.00	-15.75	-0.92	3	Horizontal	0	2.00	-
PK	730.34M	31.92	46.00	-14.08	0.69	3	Horizontal	0	2.00	-
PK	864.2M	33.50	46.00	-12.50	2.25	3	Horizontal	0	2.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	5.1464G	53.28	54.00	-0.72	6.40	3	Vertical	220	2.62	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	5.148G	45.90	54.00	-8.10	2.74	3	Vertical	28	2.15	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	AV	5.1476G	53.46	54.00	-0.54	2.74	3	Vertical	26	2.38	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	AV	5.146G	45.94	54.00	-8.06	2.74	3	Vertical	23	2.37	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	11.49222G	53.21	54.00	-0.79	13.58	3	Vertical	97	2.59	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	11.57326G	45.27	54.00	-8.73	13.50	3	Vertical	20	1.55	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	PK	5.647G	61.32	68.20	-6.88	3.44	3	Vertical	141	1.74	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	PK	5.6478G	65.54	68.20	-2.66	3.44	3	Vertical	137	1.65	-

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	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1464G	53.28	54.00	-0.72	6.40	3	Vertical	220	2.62	-
5180MHz	Pass	AV	5.179G	107.63	Inf	-Inf	6.44	3	Vertical	220	2.62	-
5180MHz	Pass	PK	5.1448G	67.03	74.00	-6.97	6.40	3	Vertical	220	2.62	-
5180MHz	Pass	PK	5.1782G	116.20	Inf	-Inf	6.44	3	Vertical	220	2.62	-
5180MHz	Pass	AV	5.1398G	51.92	54.00	-2.08	6.38	3	Horizontal	88	1.54	-
5180MHz	Pass	AV	5.179G	101.81	Inf	-Inf	6.44	3	Horizontal	88	1.54	-
5180MHz	Pass	PK	5.149995G	64.34	74.00	-9.66	6.40	3	Horizontal	88	1.54	-
5180MHz	Pass	PK	5.1784G	110.58	Inf	-Inf	6.44	3	Horizontal	88	1.54	-
5180MHz	Pass	AV	10.3615G	41.65	54.00	-12.35	12.64	3	Vertical	242	1.50	-
5180MHz	Pass	PK	10.36426G	55.87	74.00	-18.13	12.64	3	Vertical	242	1.50	-
5180MHz	Pass	AV	10.36132G	40.44	54.00	-13.56	12.64	3	Horizontal	144	1.50	-
5180MHz	Pass	PK	10.34812G	54.16	74.00	-19.84	12.61	3	Horizontal	144	1.50	-
5200MHz	Pass	AV	5.118G	52.71	54.00	-1.29	6.35	3	Vertical	221	2.72	-
5200MHz	Pass	AV	5.1992G	109.31	Inf	-Inf	6.47	3	Vertical	221	2.72	-
5200MHz	Pass	PK	5.1452G	64.33	74.00	-9.67	6.40	3	Vertical	221	2.72	-
5200MHz	Pass	PK	5.1984G	117.50	Inf	-Inf	6.47	3	Vertical	221	2.72	-
5200MHz	Pass	AV	5.1044G	52.44	54.00	-1.56	6.33	3	Horizontal	90	1.57	-
5200MHz	Pass	AV	5.1992G	104.16	Inf	-Inf	6.47	3	Horizontal	90	1.57	-
5200MHz	Pass	PK	5.1036G	63.44	74.00	-10.56	6.33	3	Horizontal	90	1.57	-
5200MHz	Pass	PK	5.1984G	112.94	Inf	-Inf	6.47	3	Horizontal	90	1.57	-
5200MHz	Pass	AV	10.40186G	43.19	54.00	-10.81	12.73	3	Vertical	161	2.76	-
5200MHz	Pass	PK	10.3976G	55.10	74.00	-18.90	12.72	3	Vertical	161	2.76	-
5200MHz	Pass	AV	10.4057G	42.26	54.00	-11.74	12.73	3	Horizontal	191	1.09	-
5200MHz	Pass	PK	10.39934G	54.57	74.00	-19.43	12.72	3	Horizontal	191	1.09	-
5240MHz	Pass	AV	5.1482G	49.81	54.00	-4.19	6.40	3	Vertical	287	1.50	-
5240MHz	Pass	AV	5.2424G	111.29	Inf	-Inf	6.53	3	Vertical	287	1.50	-
5240MHz	Pass	AV	5.3516G	49.77	54.00	-4.23	6.68	3	Vertical	287	1.50	-
5240MHz	Pass	PK	5.1116G	60.55	74.00	-13.45	6.35	3	Vertical	287	1.50	-
5240MHz	Pass	PK	5.243G	119.71	Inf	-Inf	6.53	3	Vertical	287	1.50	-
5240MHz	Pass	PK	5.3726G	60.13	74.00	-13.87	6.71	3	Vertical	287	1.50	-
5240MHz	Pass	AV	5.1464G	48.89	54.00	-5.11	6.40	3	Horizontal	282	1.72	-
5240MHz	Pass	AV	5.2394G	106.80	Inf	-Inf	6.53	3	Horizontal	282	1.72	-
5240MHz	Pass	AV	5.3612G	48.72	54.00	-5.28	6.70	3	Horizontal	282	1.72	-
5240MHz	Pass	PK	5.144G	58.75	74.00	-15.25	6.40	3	Horizontal	282	1.72	-
5240MHz	Pass	PK	5.2382G	113.96	Inf	-Inf	6.52	3	Horizontal	282	1.72	-
5240MHz	Pass	PK	5.3522G	59.13	74.00	-14.87	6.68	3	Horizontal	282	1.72	-
5240MHz	Pass	AV	10.48108G	43.58	54.00	-10.42	12.90	3	Vertical	93	2.80	-
5240MHz	Pass	PK	10.4872G	55.52	74.00	-18.48	12.91	3	Vertical	93	2.80	-
5240MHz	Pass	AV	10.48792G	42.43	54.00	-11.57	12.91	3	Horizontal	216	1.50	-
5240MHz	Pass	PK	10.49332G	54.08	74.00	-19.92	12.93	3	Horizontal	216	1.50	-
5745MHz	Pass	AV	5.7486G	109.36	Inf	-Inf	7.48	3	Vertical	89	2.15	-
5745MHz	Pass	PK	5.6226G	60.96	68.20	-7.24	7.17	3	Vertical	89	2.15	-
5745MHz	Pass	PK	5.7486G	117.87	Inf	-Inf	7.48	3	Vertical	89	2.15	-
5745MHz	Pass	PK	5.955G	60.71	68.20	-7.49	7.98	3	Vertical	89	2.15	-
5745MHz	Pass	AV	5.7414G	106.14	Inf	-Inf	7.46	3	Horizontal	337	1.57	-
5745MHz	Pass	PK	5.5854G	59.70	68.20	-8.50	7.08	3	Horizontal	337	1.57	-
5745MHz	Pass	PK	5.7414G	114.05	Inf	-Inf	7.46	3	Horizontal	337	1.57	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5745MHz	Pass	PK	5.9694G	59.69	68.20	-8.51	8.02	3	Horizontal	337	1.57	-
5745MHz	Pass	AV	11.49222G	53.21	54.00	-0.79	13.58	3	Vertical	97	2.59	-
5745MHz	Pass	PK	11.4873G	67.02	74.00	-6.98	13.58	3	Vertical	97	2.59	-
5745MHz	Pass	AV	11.48778G	47.68	54.00	-6.32	13.58	3	Horizontal	247	1.52	-
5745MHz	Pass	PK	11.48736G	61.21	74.00	-12.79	13.58	3	Horizontal	247	1.52	-
5785MHz	Pass	AV	5.7874G	108.09	Inf	-Inf	7.58	3	Vertical	91	1.53	-
5785MHz	Pass	PK	5.6398G	60.67	68.20	-7.53	7.22	3	Vertical	91	1.53	-
5785MHz	Pass	PK	5.7874G	115.35	Inf	-Inf	7.58	3	Vertical	91	1.53	-
5785MHz	Pass	PK	5.9866G	61.53	68.20	-6.67	8.05	3	Vertical	91	1.53	-
5785MHz	Pass	AV	5.7826G	104.58	Inf	-Inf	7.57	3	Horizontal	336	1.47	-
5785MHz	Pass	PK	5.611G	60.63	68.20	-7.57	7.15	3	Horizontal	336	1.47	-
5785MHz	Pass	PK	5.7826G	112.51	Inf	-Inf	7.57	3	Horizontal	336	1.47	-
5785MHz	Pass	PK	5.983G	60.31	68.20	-7.89	8.06	3	Horizontal	336	1.47	-
5785MHz	Pass	AV	11.56694G	51.27	54.00	-2.73	13.51	3	Vertical	93	2.56	-
5785MHz	Pass	PK	11.56748G	65.10	74.00	-8.90	13.51	3	Vertical	93	2.56	-
5785MHz	Pass	AV	11.56994G	45.93	54.00	-8.07	13.51	3	Horizontal	246	1.50	-
5785MHz	Pass	PK	11.56736G	58.50	74.00	-15.50	13.51	3	Horizontal	246	1.50	-
5825MHz	Pass	AV	5.8262G	108.98	Inf	-Inf	7.67	3	Vertical	203	3.01	-
5825MHz	Pass	PK	5.6078G	59.50	68.20	-8.70	7.14	3	Vertical	203	3.01	-
5825MHz	Pass	PK	5.8262G	116.54	Inf	-Inf	7.67	3	Vertical	203	3.01	-
5825MHz	Pass	PK	5.939G	59.79	68.20	-8.41	7.94	3	Vertical	203	3.01	-
5825MHz	Pass	AV	5.8214G	105.25	Inf	-Inf	7.66	3	Horizontal	248	1.60	-
5825MHz	Pass	PK	5.6378G	59.73	68.20	-8.47	7.21	3	Horizontal	248	1.60	-
5825MHz	Pass	PK	5.8214G	113.72	Inf	-Inf	7.66	3	Horizontal	248	1.60	-
5825MHz	Pass	PK	5.9498G	61.84	68.20	-6.36	7.97	3	Horizontal	248	1.60	-
5825MHz	Pass	AV	11.656228G	49.81	54.00	-4.19	15.62	3	Vertical	107	1.46	-
5825MHz	Pass	PK	11.656467G	60.81	74.00	-13.19	15.62	3	Vertical	107	1.46	-
5825MHz	Pass	AV	11.647365G	46.94	54.00	-7.06	15.63	3	Horizontal	294	1.50	-
5825MHz	Pass	PK	11.647425G	60.59	74.00	-13.41	15.62	3	Horizontal	294	1.50	-
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.148G	45.90	54.00	-8.10	2.74	3	Vertical	28	2.15	-
5180MHz	Pass	AV	5.1778G	100.73	Inf	-Inf	2.77	3	Vertical	28	2.15	-
5180MHz	Pass	PK	5.149995G	58.49	74.00	-15.51	2.74	3	Vertical	28	2.15	-
5180MHz	Pass	PK	5.1778G	109.18	Inf	-Inf	2.77	3	Vertical	28	2.15	-
5180MHz	Pass	AV	5.1484G	44.76	54.00	-9.24	2.74	3	Horizontal	316	2.47	-
5180MHz	Pass	AV	5.1784G	99.47	Inf	-Inf	2.77	3	Horizontal	316	2.47	-
5180MHz	Pass	PK	5.1488G	56.50	74.00	-17.50	2.74	3	Horizontal	316	2.47	-
5180MHz	Pass	PK	5.1782G	108.23	Inf	-Inf	2.77	3	Horizontal	316	2.47	-
5180MHz	Pass	AV	10.35736G	41.91	54.00	-12.09	12.63	3	Vertical	206	2.00	-
5180MHz	Pass	PK	10.35816G	54.13	74.00	-19.87	12.63	3	Vertical	206	2.00	-
5180MHz	Pass	AV	10.36322G	38.84	54.00	-15.16	12.64	3	Horizontal	22	2.02	-
5180MHz	Pass	PK	10.35502G	51.25	74.00	-22.75	12.62	3	Horizontal	22	2.02	-
5200MHz	Pass	AV	5.1452G	45.68	54.00	-8.32	2.74	3	Vertical	28	2.38	-
5200MHz	Pass	AV	5.1976G	103.46	Inf	-Inf	2.80	3	Vertical	28	2.38	-
5200MHz	Pass	PK	5.1476G	58.47	74.00	-15.53	2.74	3	Vertical	28	2.38	-
5200MHz	Pass	PK	5.198G	111.94	Inf	-Inf	2.80	3	Vertical	28	2.38	-
5200MHz	Pass	AV	5.149995G	44.64	54.00	-9.36	2.74	3	Horizontal	310	3.06	-
5200MHz	Pass	AV	5.1984G	101.56	Inf	-Inf	2.80	3	Horizontal	310	3.06	-
5200MHz	Pass	PK	5.149995G	56.97	74.00	-17.03	2.74	3	Horizontal	310	3.06	-

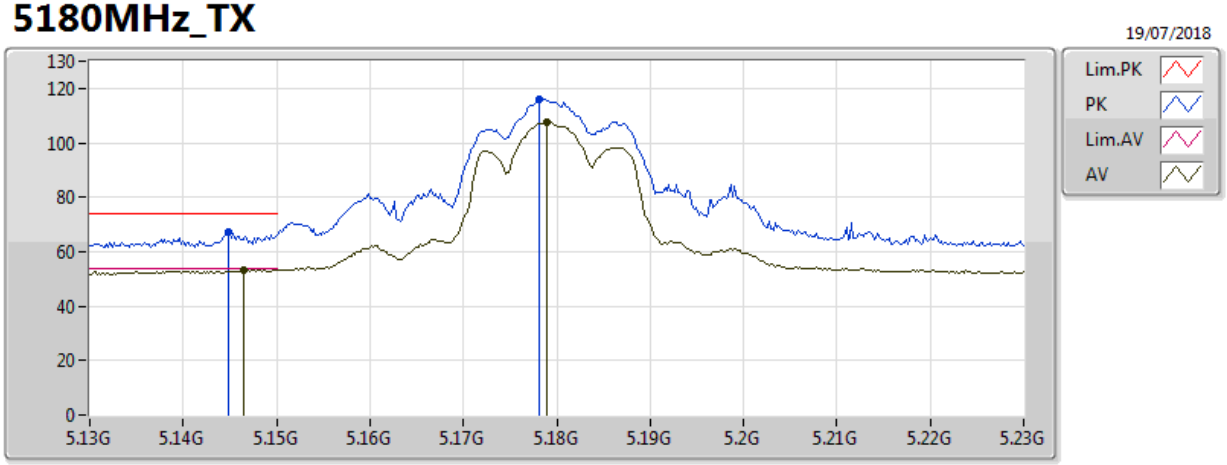
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5200MHz	Pass	PK	5.1984G	110.71	Inf	-Inf	2.80	3	Horizontal	310	3.06	-
5200MHz	Pass	AV	10.4008G	40.10	54.00	-13.90	12.72	3	Vertical	358	1.49	-
5200MHz	Pass	PK	10.3958G	54.14	74.00	-19.86	12.71	3	Vertical	358	1.49	-
5200MHz	Pass	AV	10.3977G	39.63	54.00	-14.37	12.72	3	Horizontal	112	2.58	-
5200MHz	Pass	PK	10.4055G	53.12	74.00	-20.88	12.73	3	Horizontal	112	2.58	-
5240MHz	Pass	AV	5.1416G	44.12	54.00	-9.88	2.73	3	Vertical	18	2.23	-
5240MHz	Pass	AV	5.2382G	102.74	Inf	-Inf	2.84	3	Vertical	18	2.23	-
5240MHz	Pass	AV	5.3558G	42.43	54.00	-11.57	2.97	3	Vertical	18	2.23	-
5240MHz	Pass	PK	5.1128G	56.25	74.00	-17.75	2.70	3	Vertical	18	2.23	-
5240MHz	Pass	PK	5.2376G	110.91	Inf	-Inf	2.84	3	Vertical	18	2.23	-
5240MHz	Pass	PK	5.3528G	53.97	74.00	-20.03	2.97	3	Vertical	18	2.23	-
5240MHz	Pass	AV	5.1428G	43.45	54.00	-10.55	2.74	3	Horizontal	302	2.42	-
5240MHz	Pass	AV	5.2382G	101.06	Inf	-Inf	2.84	3	Horizontal	302	2.42	-
5240MHz	Pass	AV	5.3504G	42.01	54.00	-11.99	2.97	3	Horizontal	302	2.42	-
5240MHz	Pass	PK	5.1248G	55.33	74.00	-18.67	2.71	3	Horizontal	302	2.42	-
5240MHz	Pass	PK	5.2382G	109.77	Inf	-Inf	2.84	3	Horizontal	302	2.42	-
5240MHz	Pass	PK	5.3528G	53.40	74.00	-20.60	2.97	3	Horizontal	302	2.42	-
5240MHz	Pass	AV	10.47858G	40.28	54.00	-13.72	12.89	3	Vertical	292	2.01	-
5240MHz	Pass	PK	10.4786G	51.31	74.00	-22.69	12.89	3	Vertical	292	2.01	-
5240MHz	Pass	AV	10.48496G	39.25	54.00	-14.75	12.91	3	Horizontal	190	1.78	-
5240MHz	Pass	PK	10.482G	51.92	74.00	-22.08	12.90	3	Horizontal	190	1.78	-
5745MHz	Pass	AV	5.745G	103.37	Inf	-Inf	3.63	3	Vertical	358	2.71	-
5745MHz	Pass	PK	5.6166G	55.58	68.20	-12.62	3.37	3	Vertical	358	2.71	-
5745MHz	Pass	PK	5.7438G	112.57	Inf	-Inf	3.62	3	Vertical	358	2.71	-
5745MHz	Pass	PK	5.949G	54.48	68.20	-13.72	4.03	3	Vertical	358	2.71	-
5745MHz	Pass	AV	5.7426G	99.36	Inf	-Inf	3.62	3	Horizontal	286	1.36	-
5745MHz	Pass	PK	5.6418G	54.11	68.20	-14.09	3.43	3	Horizontal	286	1.36	-
5745MHz	Pass	PK	5.7426G	108.32	Inf	-Inf	3.62	3	Horizontal	286	1.36	-
5745MHz	Pass	PK	5.9898G	55.07	68.20	-13.13	4.11	3	Horizontal	286	1.36	-
5745MHz	Pass	AV	11.4888G	44.80	54.00	-9.20	13.58	3	Vertical	114	2.67	-
5745MHz	Pass	PK	11.4888G	60.09	74.00	-13.91	13.58	3	Vertical	114	2.67	-
5745MHz	Pass	AV	11.4892G	42.80	54.00	-11.20	13.58	3	Horizontal	239	1.50	-
5745MHz	Pass	PK	11.4888G	58.08	74.00	-15.92	13.58	3	Horizontal	239	1.50	-
5785MHz	Pass	AV	5.7874G	104.00	Inf	-Inf	3.71	3	Vertical	128	1.65	-
5785MHz	Pass	PK	5.6218G	54.58	68.20	-13.62	3.39	3	Vertical	128	1.65	-
5785MHz	Pass	PK	5.7826G	112.81	Inf	-Inf	3.70	3	Vertical	128	1.65	-
5785MHz	Pass	PK	5.977G	54.80	68.20	-13.40	4.08	3	Vertical	128	1.65	-
5785MHz	Pass	AV	5.7874G	99.72	Inf	-Inf	3.71	3	Horizontal	60	1.62	-
5785MHz	Pass	PK	5.6434G	54.58	68.20	-13.62	3.43	3	Horizontal	60	1.62	-
5785MHz	Pass	PK	5.7862G	108.03	Inf	-Inf	3.70	3	Horizontal	60	1.62	-
5785MHz	Pass	PK	5.9818G	55.63	68.20	-12.57	4.09	3	Horizontal	60	1.62	-
5785MHz	Pass	AV	11.57326G	45.27	54.00	-8.73	13.50	3	Vertical	20	1.55	-
5785MHz	Pass	PK	11.57288G	57.44	74.00	-16.56	13.50	3	Vertical	20	1.55	-
5785MHz	Pass	AV	11.5673G	43.27	54.00	-10.73	13.51	3	Horizontal	290	1.61	-
5785MHz	Pass	PK	11.56796G	55.23	74.00	-18.77	13.51	3	Horizontal	290	1.61	-
5825MHz	Pass	AV	5.8226G	103.49	Inf	-Inf	3.78	3	Vertical	126	1.71	-
5825MHz	Pass	PK	5.6474G	55.03	68.20	-13.17	3.44	3	Vertical	126	1.71	-
5825MHz	Pass	PK	5.8226G	112.40	Inf	-Inf	3.78	3	Vertical	126	1.71	-
5825MHz	Pass	PK	5.9498G	55.19	68.20	-13.01	4.03	3	Vertical	126	1.71	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	AV	5.8226G	99.49	Inf	-Inf	3.78	3	Horizontal	62	1.57	-
5825MHz	Pass	PK	5.6282G	55.76	68.20	-12.44	3.40	3	Horizontal	62	1.57	-
5825MHz	Pass	PK	5.8226G	108.25	Inf	-Inf	3.78	3	Horizontal	62	1.57	-
5825MHz	Pass	PK	5.9414G	55.13	68.20	-13.07	4.02	3	Horizontal	62	1.57	-
5825MHz	Pass	AV	11.64652G	44.56	54.00	-9.44	13.44	3	Vertical	93	1.37	-
5825MHz	Pass	PK	11.64726G	56.66	74.00	-17.34	13.43	3	Vertical	93	1.37	-
5825MHz	Pass	AV	11.65192G	42.75	54.00	-11.25	13.43	3	Horizontal	293	1.49	-
5825MHz	Pass	PK	11.65326G	54.34	74.00	-19.66	13.43	3	Horizontal	293	1.49	-
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1476G	53.46	54.00	-0.54	2.74	3	Vertical	26	2.38	-
5190MHz	Pass	AV	5.1876G	99.19	Inf	-Inf	2.79	3	Vertical	26	2.38	-
5190MHz	Pass	PK	5.1476G	66.79	74.00	-7.21	2.74	3	Vertical	26	2.38	-
5190MHz	Pass	PK	5.1924G	106.91	Inf	-Inf	2.79	3	Vertical	26	2.38	-
5190MHz	Pass	AV	5.148G	50.62	54.00	-3.38	2.74	3	Horizontal	307	2.51	-
5190MHz	Pass	AV	5.188G	96.91	Inf	-Inf	2.79	3	Horizontal	307	2.51	-
5190MHz	Pass	PK	5.148G	63.89	74.00	-10.11	2.74	3	Horizontal	307	2.51	-
5190MHz	Pass	PK	5.188G	105.15	Inf	-Inf	2.79	3	Horizontal	307	2.51	-
5190MHz	Pass	AV	10.38304G	40.48	54.00	-13.52	12.69	3	Vertical	50	2.38	-
5190MHz	Pass	PK	10.37614G	53.89	74.00	-20.11	12.67	3	Vertical	50	2.38	-
5190MHz	Pass	AV	10.38418G	39.17	54.00	-14.83	12.69	3	Horizontal	301	1.43	-
5190MHz	Pass	PK	10.38118G	52.36	74.00	-21.64	12.68	3	Horizontal	301	1.43	-
5230MHz	Pass	AV	5.1476G	52.00	54.00	-2.00	2.74	3	Vertical	25	2.37	-
5230MHz	Pass	AV	5.228G	102.85	Inf	-Inf	2.83	3	Vertical	25	2.37	-
5230MHz	Pass	PK	5.1476G	62.98	74.00	-11.02	2.74	3	Vertical	25	2.37	-
5230MHz	Pass	PK	5.2276G	110.39	Inf	-Inf	2.83	3	Vertical	25	2.37	-
5230MHz	Pass	AV	5.1456G	47.58	54.00	-6.42	2.74	3	Horizontal	83	2.48	-
5230MHz	Pass	AV	5.2308G	98.58	Inf	-Inf	2.83	3	Horizontal	83	2.48	-
5230MHz	Pass	PK	5.1404G	58.02	74.00	-15.98	2.73	3	Horizontal	83	2.48	-
5230MHz	Pass	PK	5.2308G	105.94	Inf	-Inf	2.83	3	Horizontal	83	2.48	-
5230MHz	Pass	AV	10.46022G	43.48	54.00	-10.52	12.85	3	Vertical	141	1.98	-
5230MHz	Pass	PK	10.46176G	54.77	74.00	-19.23	12.86	3	Vertical	141	1.98	-
5230MHz	Pass	AV	10.45952G	40.93	54.00	-13.07	12.85	3	Horizontal	276	1.69	-
5230MHz	Pass	PK	10.45556G	51.13	74.00	-22.87	12.84	3	Horizontal	276	1.69	-
5755MHz	Pass	AV	5.7526G	103.47	Inf	-Inf	3.64	3	Vertical	141	1.74	-
5755MHz	Pass	PK	5.647G	61.32	68.20	-6.88	3.44	3	Vertical	141	1.74	-
5755MHz	Pass	PK	5.7526G	111.27	Inf	-Inf	3.64	3	Vertical	141	1.74	-
5755MHz	Pass	PK	5.9314G	54.55	68.20	-13.65	3.99	3	Vertical	141	1.74	-
5755MHz	Pass	AV	5.7526G	99.09	Inf	-Inf	3.64	3	Horizontal	289	1.69	-
5755MHz	Pass	PK	5.6314G	56.05	68.20	-12.15	3.40	3	Horizontal	289	1.69	-
5755MHz	Pass	PK	5.7526G	106.14	Inf	-Inf	3.64	3	Horizontal	289	1.69	-
5755MHz	Pass	PK	5.9398G	54.35	68.20	-13.85	4.02	3	Horizontal	289	1.69	-
5755MHz	Pass	AV	11.51306G	41.58	54.00	-12.42	13.56	3	Vertical	157	2.23	-
5755MHz	Pass	PK	11.51144G	55.28	74.00	-18.72	13.56	3	Vertical	157	2.23	-
5755MHz	Pass	AV	11.51132G	40.50	54.00	-13.50	13.56	3	Horizontal	145	1.95	-
5755MHz	Pass	PK	11.50582G	53.81	74.00	-20.19	13.56	3	Horizontal	145	1.95	-
5795MHz	Pass	AV	5.7926G	102.21	Inf	-Inf	3.72	3	Vertical	129	1.71	-
5795MHz	Pass	PK	5.6462G	55.19	68.20	-13.01	3.43	3	Vertical	129	1.71	-
5795MHz	Pass	PK	5.7926G	110.23	Inf	-Inf	3.72	3	Vertical	129	1.71	-
5795MHz	Pass	PK	5.9258G	55.62	68.20	-12.58	3.99	3	Vertical	129	1.71	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5795MHz	Pass	AV	5.7926G	98.36	Inf	-Inf	3.72	3	Horizontal	65	1.50	-
5795MHz	Pass	PK	5.639G	54.01	68.20	-14.19	3.42	3	Horizontal	65	1.50	-
5795MHz	Pass	PK	5.7974G	106.00	Inf	-Inf	3.73	3	Horizontal	65	1.50	-
5795MHz	Pass	PK	5.9498G	54.38	68.20	-13.82	4.03	3	Horizontal	65	1.50	-
5795MHz	Pass	AV	11.5867G	41.51	54.00	-12.49	13.49	3	Vertical	117	1.39	-
5795MHz	Pass	PK	11.5863G	55.98	74.00	-18.02	13.49	3	Vertical	117	1.39	-
5795MHz	Pass	AV	11.5916G	40.13	54.00	-13.87	13.49	3	Horizontal	221	2.17	-
5795MHz	Pass	PK	11.58652G	54.07	74.00	-19.93	13.49	3	Horizontal	221	2.17	-
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.146G	45.94	54.00	-8.06	2.74	3	Vertical	23	2.37	-
5210MHz	Pass	AV	5.207G	90.70	Inf	-Inf	2.81	3	Vertical	23	2.37	-
5210MHz	Pass	AV	5.458G	40.39	54.00	-13.61	3.09	3	Vertical	23	2.37	-
5210MHz	Pass	PK	5.144G	63.58	74.00	-10.42	2.74	3	Vertical	23	2.37	-
5210MHz	Pass	PK	5.202G	101.56	Inf	-Inf	2.80	3	Vertical	23	2.37	-
5210MHz	Pass	PK	5.350005G	54.06	74.00	-19.94	2.97	3	Vertical	23	2.37	-
5210MHz	Pass	AV	5.148G	44.36	54.00	-9.64	2.74	3	Horizontal	312	2.49	-
5210MHz	Pass	AV	5.203G	87.85	Inf	-Inf	2.80	3	Horizontal	312	2.49	-
5210MHz	Pass	AV	5.455G	40.26	54.00	-13.74	3.09	3	Horizontal	312	2.49	-
5210MHz	Pass	PK	5.149995G	63.01	74.00	-10.99	2.74	3	Horizontal	312	2.49	-
5210MHz	Pass	PK	5.209G	98.20	Inf	-Inf	2.81	3	Horizontal	312	2.49	-
5210MHz	Pass	PK	5.448G	54.17	74.00	-19.83	3.08	3	Horizontal	312	2.49	-
5210MHz	Pass	AV	10.41818G	37.99	54.00	-16.01	12.76	3	Vertical	306	1.65	-
5210MHz	Pass	PK	10.42204G	51.02	74.00	-22.98	12.77	3	Vertical	306	1.65	-
5210MHz	Pass	AV	10.42002G	37.77	54.00	-16.23	12.77	3	Horizontal	287	1.15	-
5210MHz	Pass	PK	10.41922G	51.06	74.00	-22.94	12.76	3	Horizontal	287	1.15	-
5775MHz	Pass	AV	5.7726G	95.69	Inf	-Inf	3.68	3	Vertical	137	1.65	-
5775MHz	Pass	PK	5.6478G	65.54	68.20	-2.66	3.44	3	Vertical	137	1.65	-
5775MHz	Pass	PK	5.7678G	106.62	Inf	-Inf	3.67	3	Vertical	137	1.65	-
5775MHz	Pass	PK	5.925G	60.33	68.20	-7.87	3.98	3	Vertical	137	1.65	-
5775MHz	Pass	AV	5.7726G	90.37	Inf	-Inf	3.68	3	Horizontal	299	1.64	-
5775MHz	Pass	PK	5.6358G	61.57	68.20	-6.63	3.42	3	Horizontal	299	1.64	-
5775MHz	Pass	PK	5.7678G	101.68	Inf	-Inf	3.67	3	Horizontal	299	1.64	-
5775MHz	Pass	PK	5.9274G	57.91	68.20	-10.29	3.99	3	Horizontal	299	1.64	-
5775MHz	Pass	AV	11.5539G	43.90	54.00	-10.10	13.52	3	Vertical	90	1.50	-
5775MHz	Pass	PK	11.5538G	55.61	74.00	-18.39	13.52	3	Vertical	90	1.50	-
5775MHz	Pass	AV	11.5541G	42.05	54.00	-11.95	13.52	3	Horizontal	223	1.85	-
5775MHz	Pass	PK	11.5538G	54.70	74.00	-19.30	13.52	3	Horizontal	223	1.85	-

802.11a_Nss1,(6Mbps)_4TX

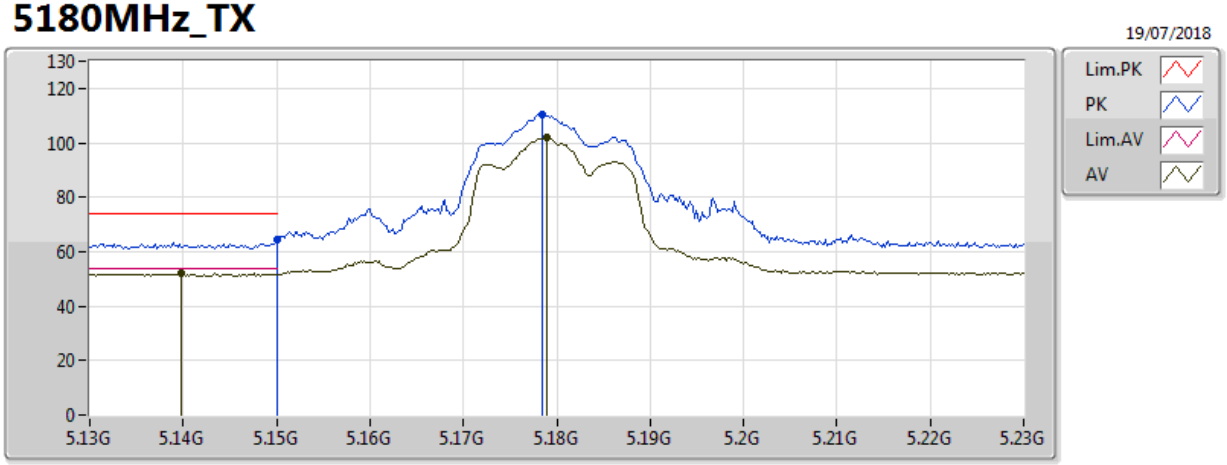
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1464G	53.28	54.00	-0.72	6.40	3	Vertical	220	2.62	-
AV	5.179G	107.63	Inf	-Inf	6.44	3	Vertical	220	2.62	-
PK	5.1448G	67.03	74.00	-6.97	6.40	3	Vertical	220	2.62	-
PK	5.1782G	116.20	Inf	-Inf	6.44	3	Vertical	220	2.62	-

802.11a_Nss1,(6Mbps)_4TX

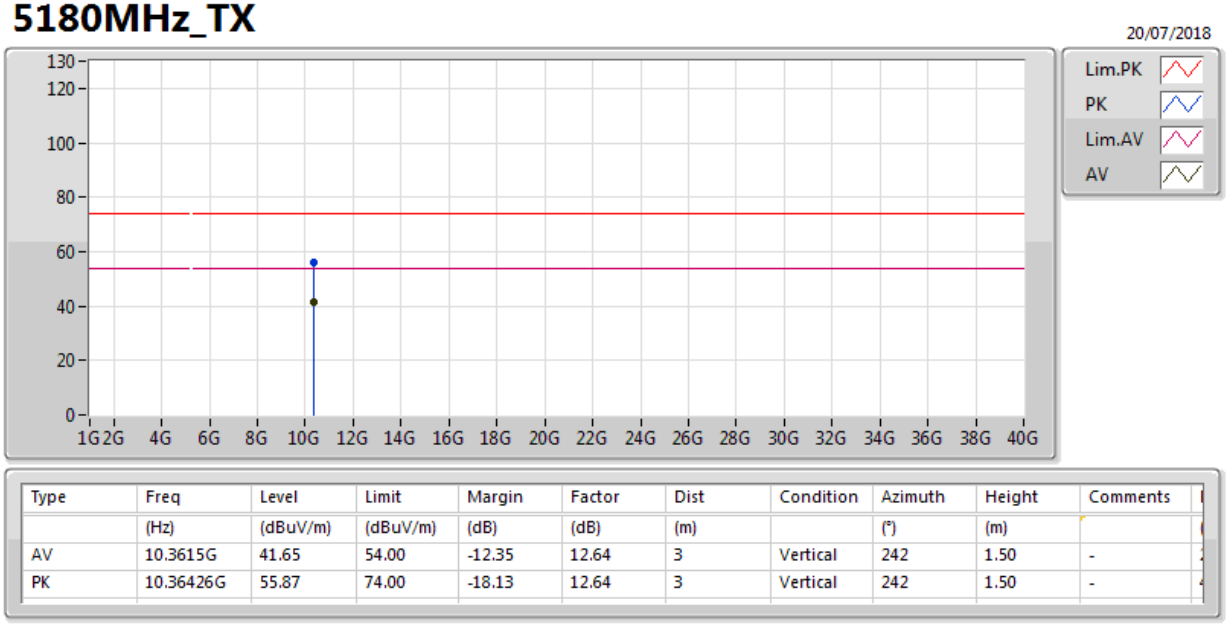
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1398G	51.92	54.00	-2.08	6.38	3	Horizontal	88	1.54	-
AV	5.179G	101.81	Inf	-Inf	6.44	3	Horizontal	88	1.54	-
PK	5.149995G	64.34	74.00	-9.66	6.40	3	Horizontal	88	1.54	-
PK	5.1784G	110.58	Inf	-Inf	6.44	3	Horizontal	88	1.54	-

802.11a_Nss1,(6Mbps)_4TX

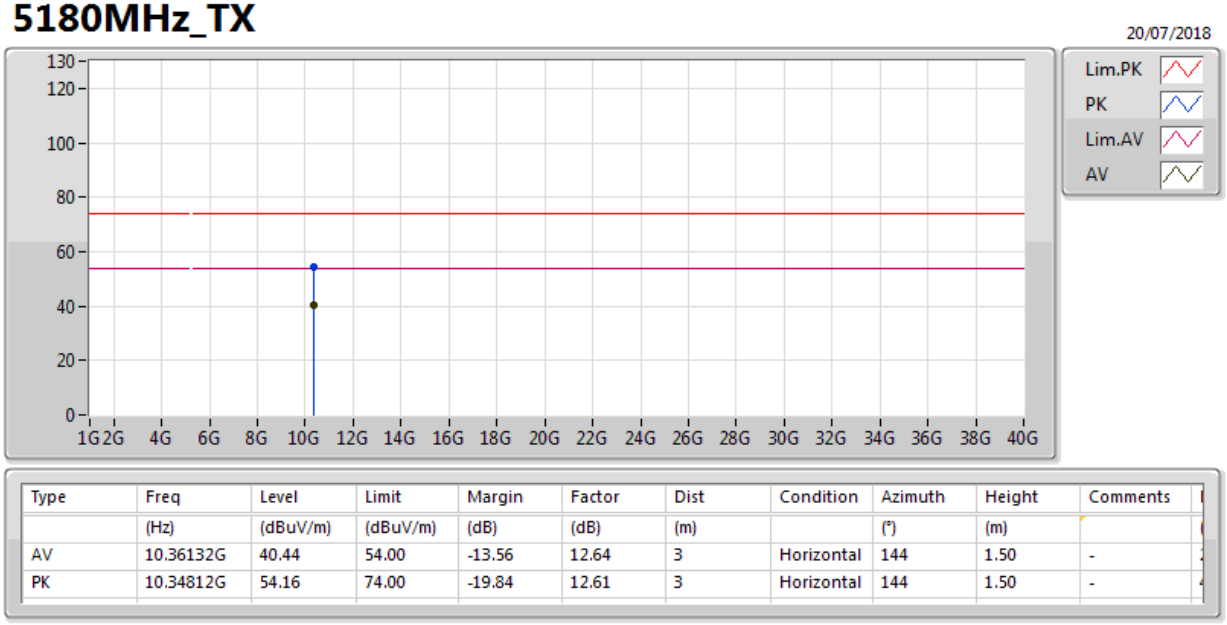
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.3615G	41.65	54.00	-12.35	12.64	3	Vertical	242	1.50	-
PK	10.36426G	55.87	74.00	-18.13	12.64	3	Vertical	242	1.50	-

802.11a_Nss1,(6Mbps)_4TX

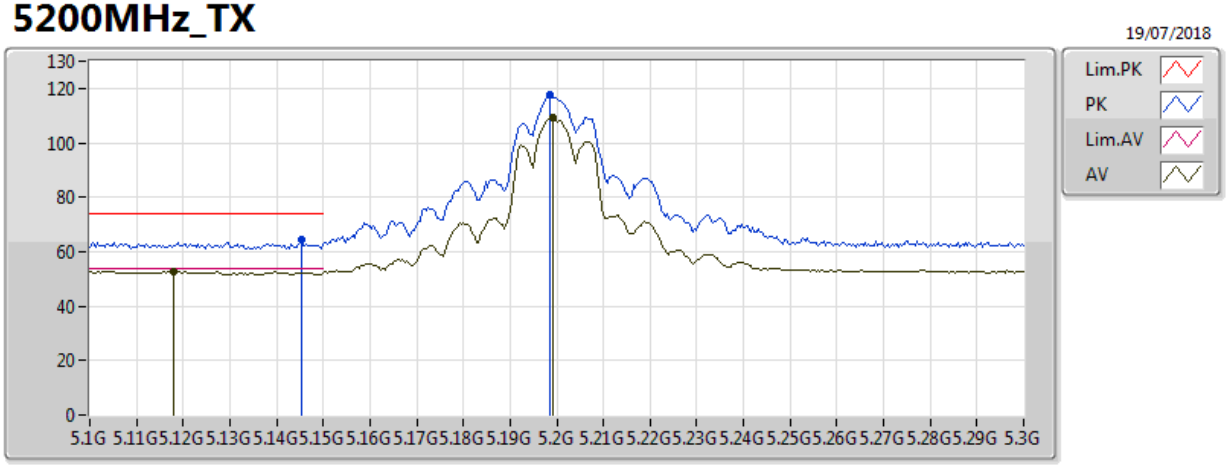
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.36132G	40.44	54.00	-13.56	12.64	3	Horizontal	144	1.50	-
PK	10.34812G	54.16	74.00	-19.84	12.61	3	Horizontal	144	1.50	-

802.11a_Nss1,(6Mbps)_4TX

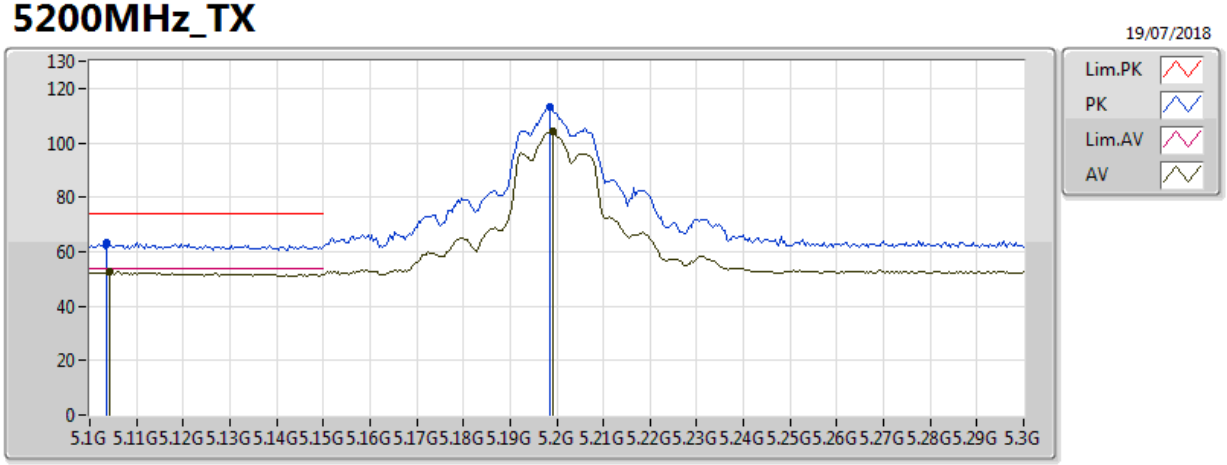
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.118G	52.71	54.00	-1.29	6.35	3	Vertical	221	2.72	-
AV	5.1992G	109.31	Inf	-Inf	6.47	3	Vertical	221	2.72	-
PK	5.1452G	64.33	74.00	-9.67	6.40	3	Vertical	221	2.72	-
PK	5.1984G	117.50	Inf	-Inf	6.47	3	Vertical	221	2.72	-

802.11a_Nss1,(6Mbps)_4TX

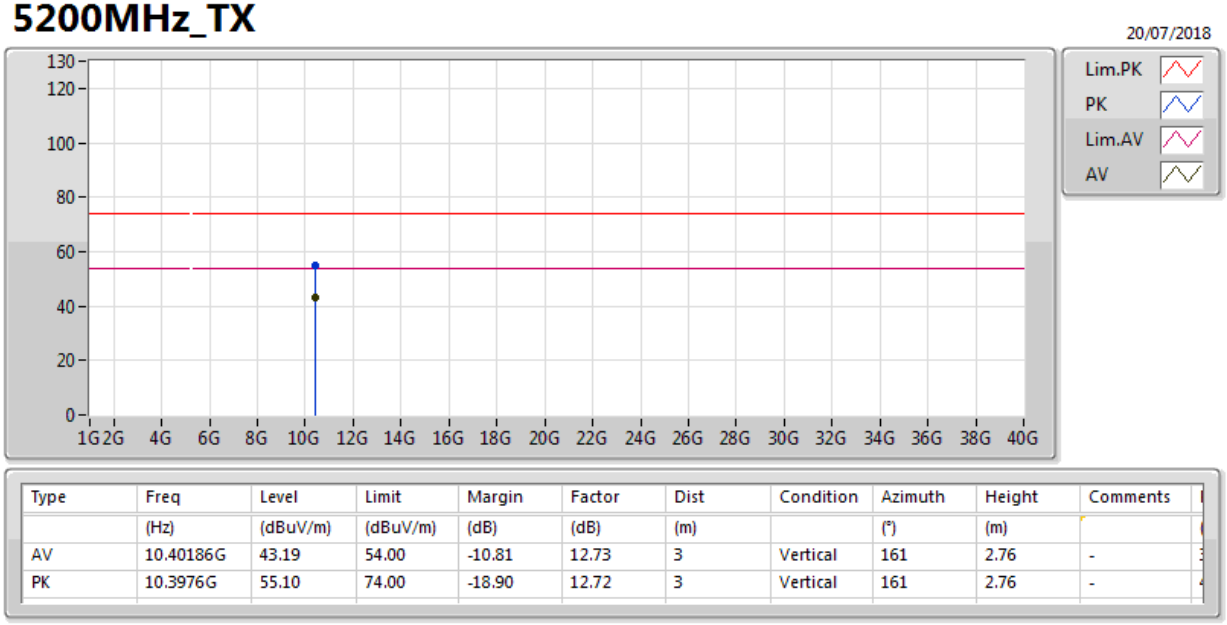
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1044G	52.44	54.00	-1.56	6.33	3	Horizontal	90	1.57	-
AV	5.1992G	104.16	Inf	-Inf	6.47	3	Horizontal	90	1.57	-
PK	5.1036G	63.44	74.00	-10.56	6.33	3	Horizontal	90	1.57	-
PK	5.1984G	112.94	Inf	-Inf	6.47	3	Horizontal	90	1.57	-

802.11a_Nss1,(6Mbps)_4TX

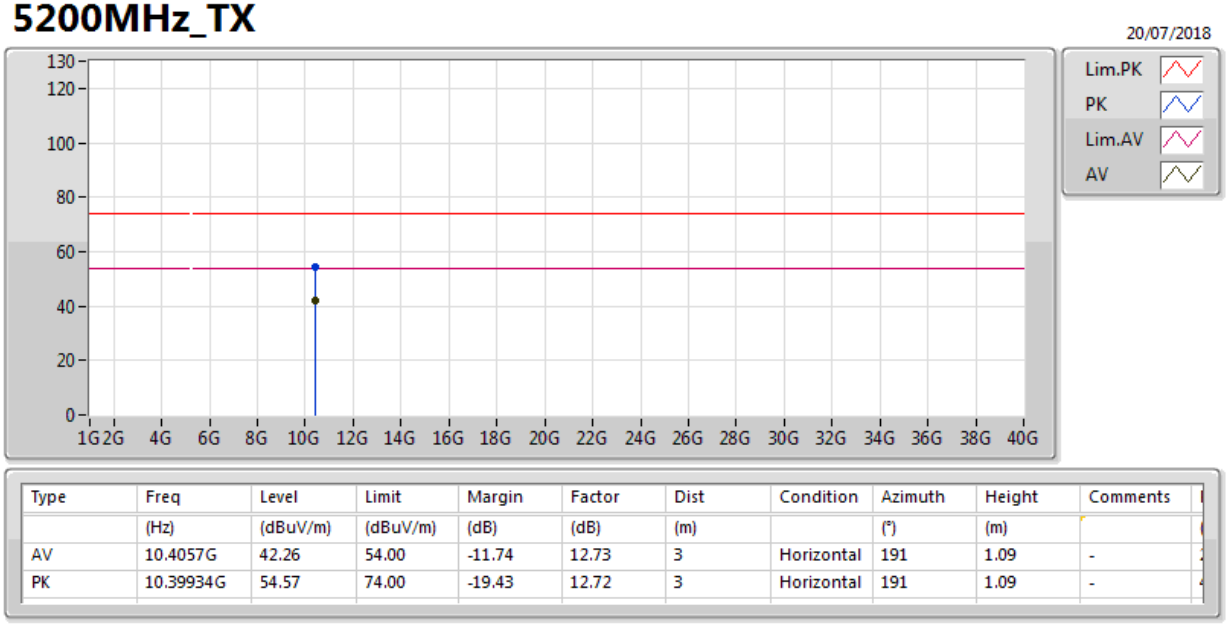
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.40186G	43.19	54.00	-10.81	12.73	3	Vertical	161	2.76	-
PK	10.3976G	55.10	74.00	-18.90	12.72	3	Vertical	161	2.76	-

802.11a_Nss1,(6Mbps)_4TX

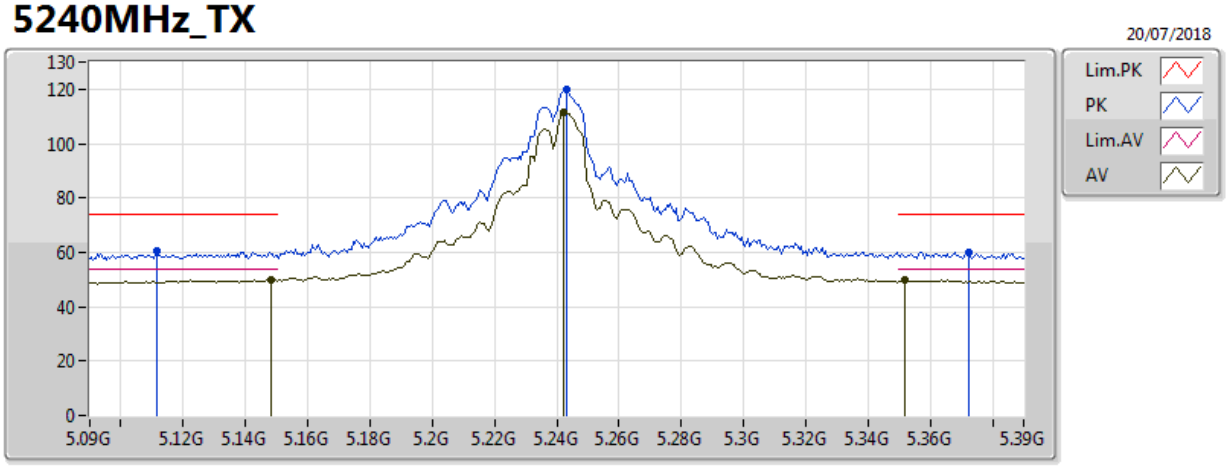
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.4057G	42.26	54.00	-11.74	12.73	3	Horizontal	191	1.09	-
PK	10.39934G	54.57	74.00	-19.43	12.72	3	Horizontal	191	1.09	-

802.11a_Nss1,(6Mbps)_4TX

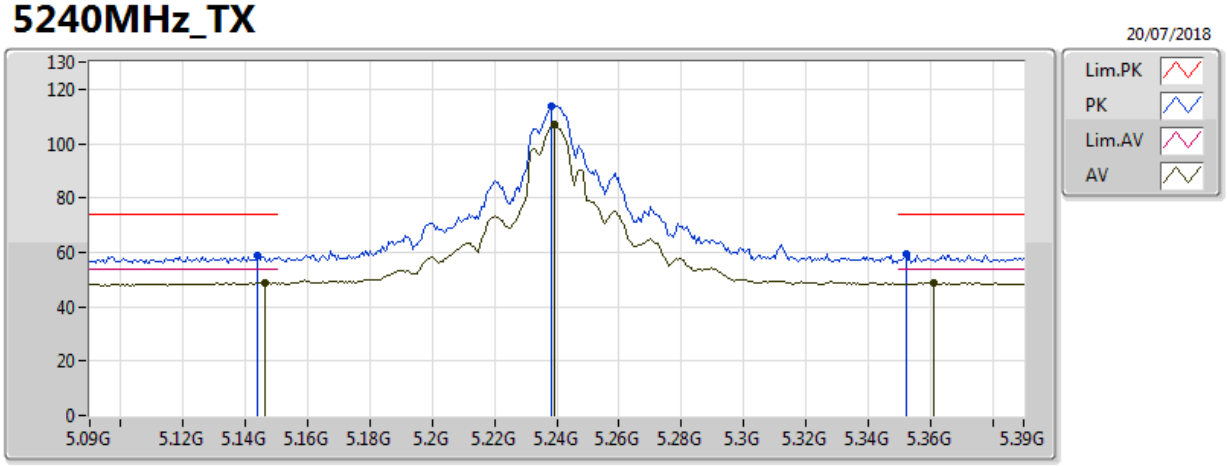
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1482G	49.81	54.00	-4.19	6.40	3	Vertical	287	1.50	-
AV	5.2424G	111.29	Inf	-Inf	6.53	3	Vertical	287	1.50	-
AV	5.3516G	49.77	54.00	-4.23	6.68	3	Vertical	287	1.50	-
PK	5.1116G	60.55	74.00	-13.45	6.35	3	Vertical	287	1.50	-
PK	5.243G	119.71	Inf	-Inf	6.53	3	Vertical	287	1.50	-
PK	5.3726G	60.13	74.00	-13.87	6.71	3	Vertical	287	1.50	-

802.11a_Nss1,(6Mbps)_4TX

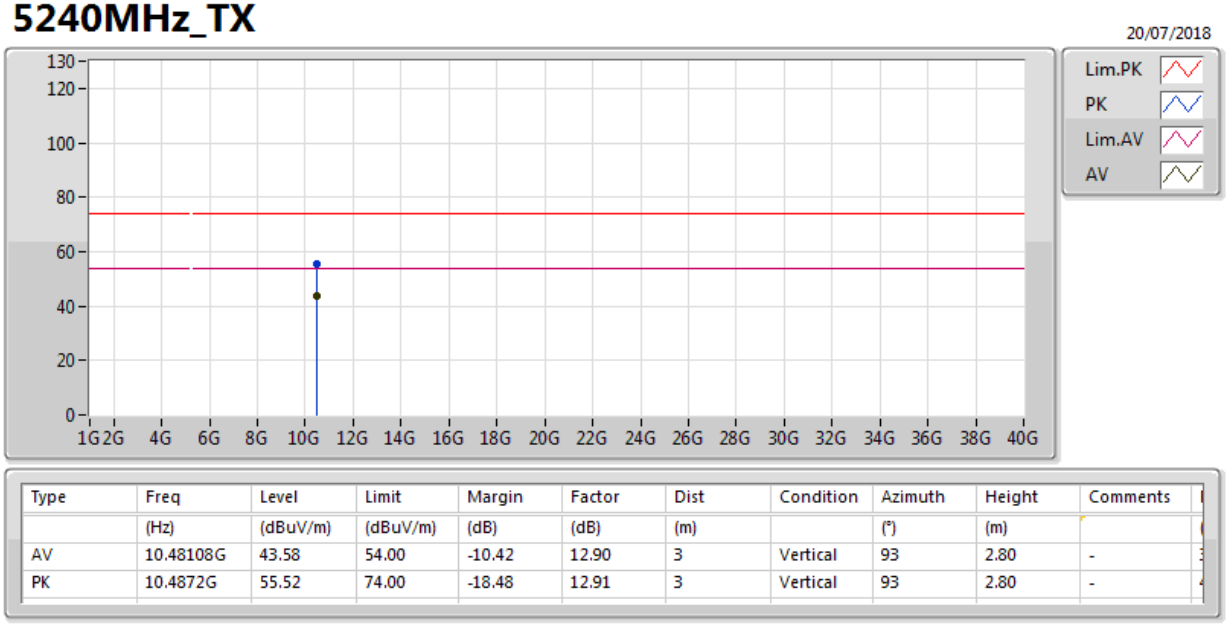
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1464G	48.89	54.00	-5.11	6.40	3	Horizontal	282	1.72	-
AV	5.2394G	106.80	Inf	-Inf	6.53	3	Horizontal	282	1.72	-
AV	5.3612G	48.72	54.00	-5.28	6.70	3	Horizontal	282	1.72	-
PK	5.144G	58.75	74.00	-15.25	6.40	3	Horizontal	282	1.72	-
PK	5.2382G	113.96	Inf	-Inf	6.52	3	Horizontal	282	1.72	-
PK	5.3522G	59.13	74.00	-14.87	6.68	3	Horizontal	282	1.72	-

802.11a_Nss1,(6Mbps)_4TX

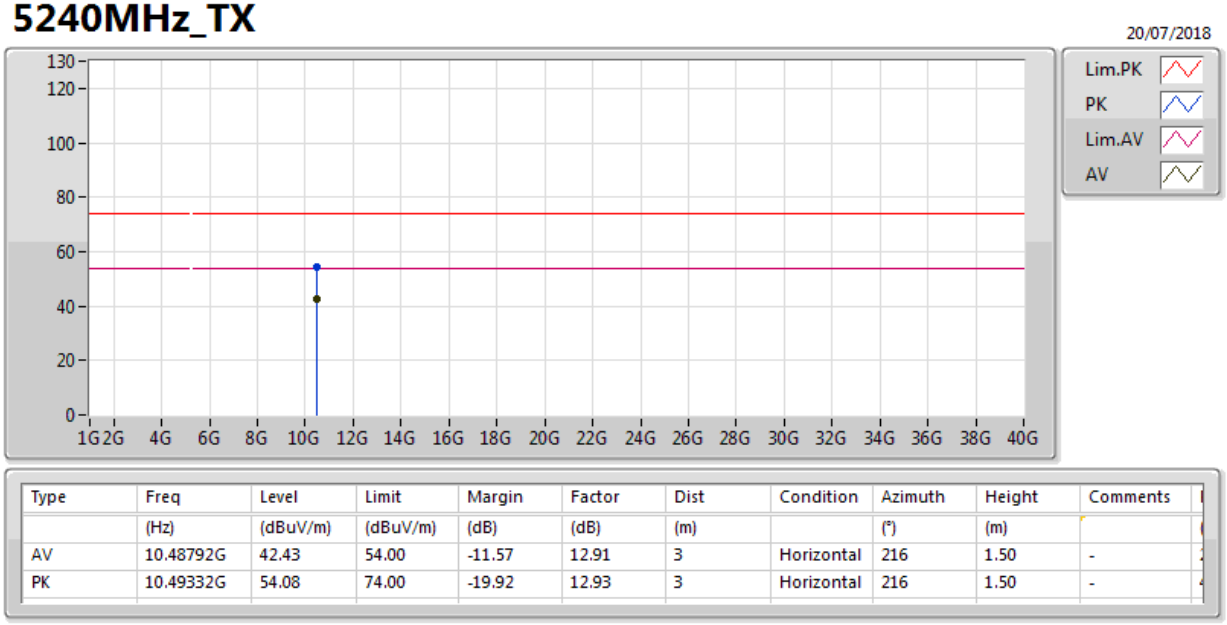
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.48108G	43.58	54.00	-10.42	12.90	3	Vertical	93	2.80	-
PK	10.4872G	55.52	74.00	-18.48	12.91	3	Vertical	93	2.80	-

802.11a_Nss1,(6Mbps)_4TX

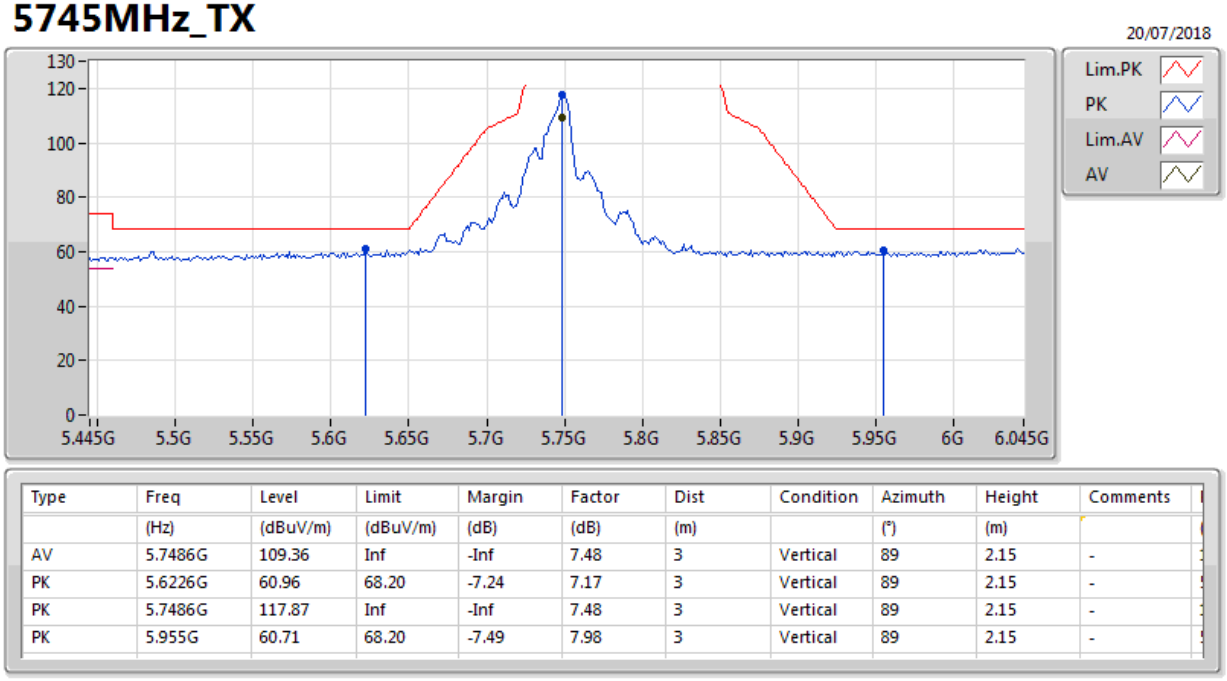
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.48792G	42.43	54.00	-11.57	12.91	3	Horizontal	216	1.50	-
PK	10.49332G	54.08	74.00	-19.92	12.93	3	Horizontal	216	1.50	-

802.11a_Nss1,(6Mbps)_4TX

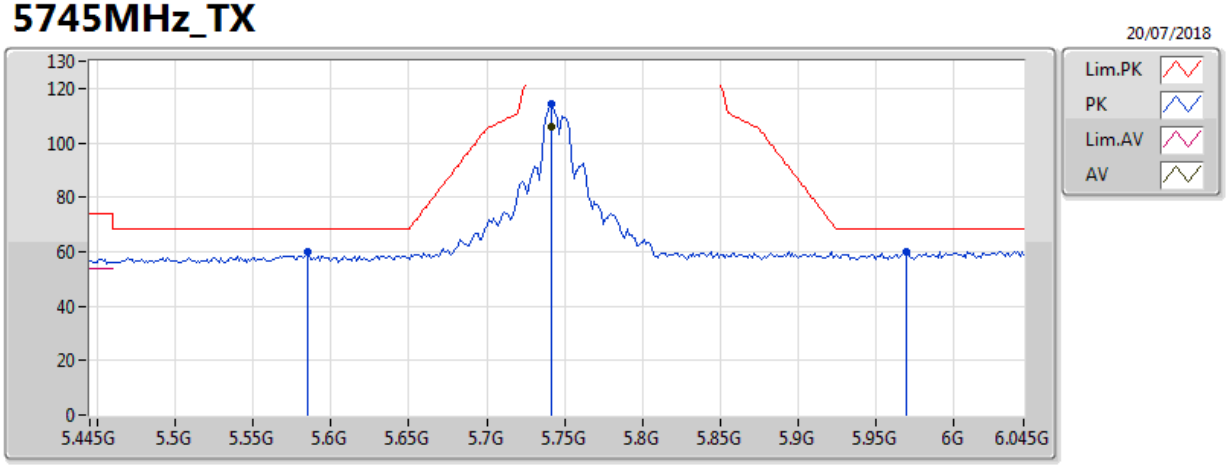
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7486G	109.36	Inf	-Inf	7.48	3	Vertical	89	2.15	-
PK	5.6226G	60.96	68.20	-7.24	7.17	3	Vertical	89	2.15	-
PK	5.7486G	117.87	Inf	-Inf	7.48	3	Vertical	89	2.15	-
PK	5.955G	60.71	68.20	-7.49	7.98	3	Vertical	89	2.15	-

802.11a_Nss1,(6Mbps)_4TX

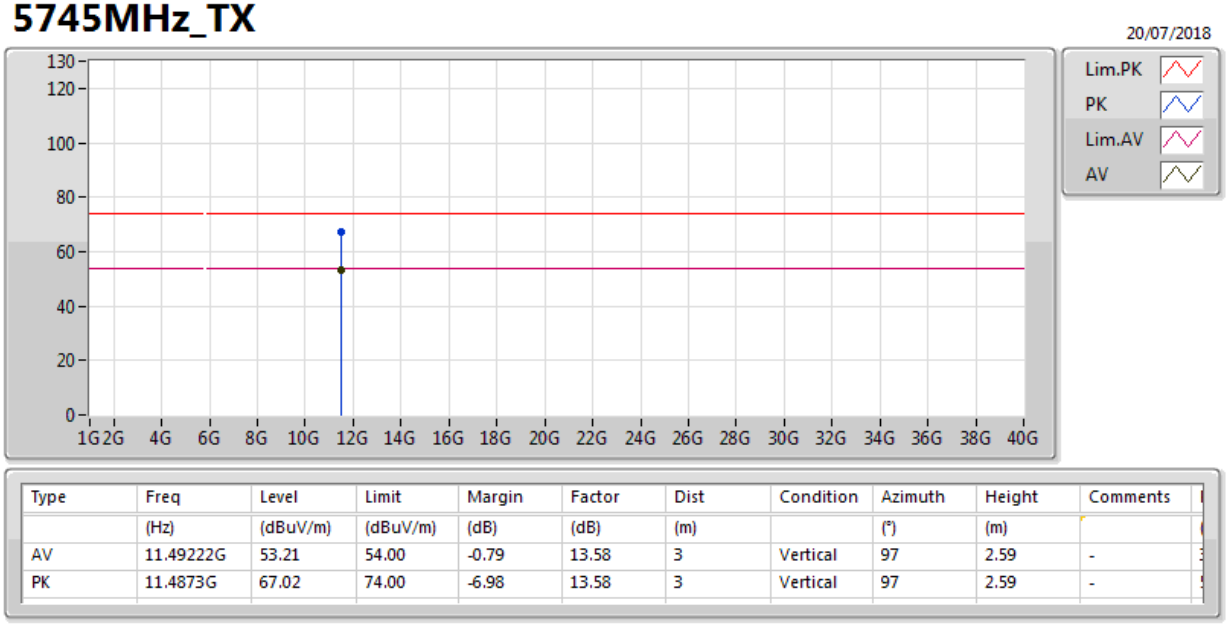
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7414G	106.14	Inf	-Inf	7.46	3	Horizontal	337	1.57	-
PK	5.5854G	59.70	68.20	-8.50	7.08	3	Horizontal	337	1.57	-
PK	5.7414G	114.05	Inf	-Inf	7.46	3	Horizontal	337	1.57	-
PK	5.9694G	59.69	68.20	-8.51	8.02	3	Horizontal	337	1.57	-

802.11a_Nss1,(6Mbps)_4TX

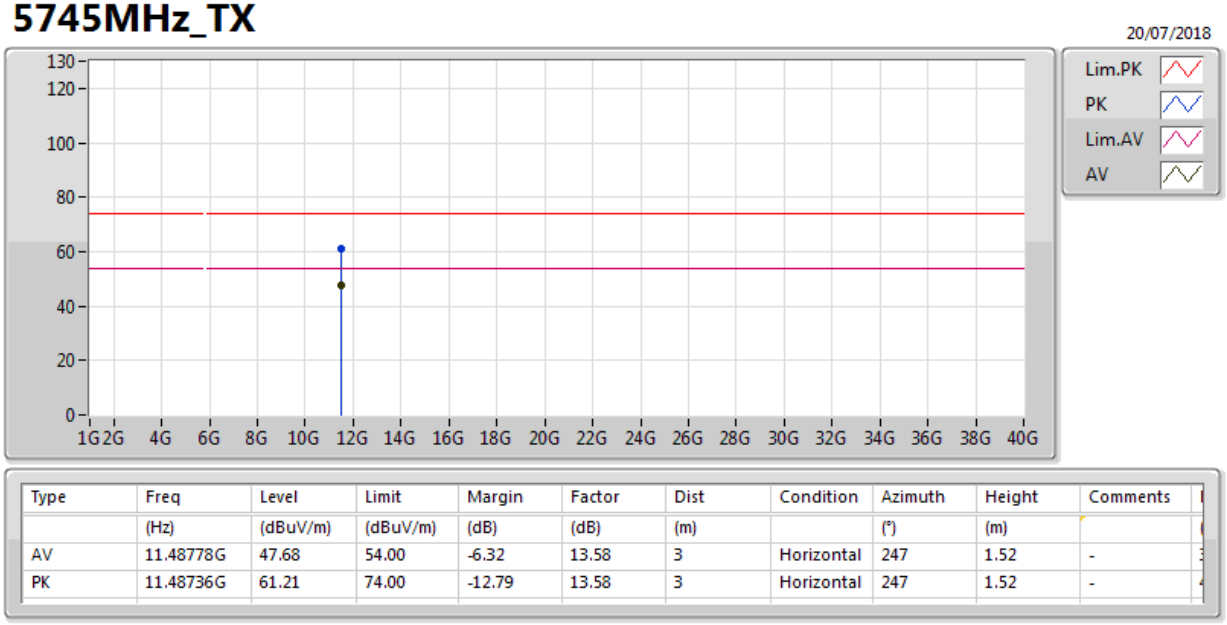
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.49222G	53.21	54.00	-0.79	13.58	3	Vertical	97	2.59	-
PK	11.4873G	67.02	74.00	-6.98	13.58	3	Vertical	97	2.59	-

802.11a_Nss1,(6Mbps)_4TX

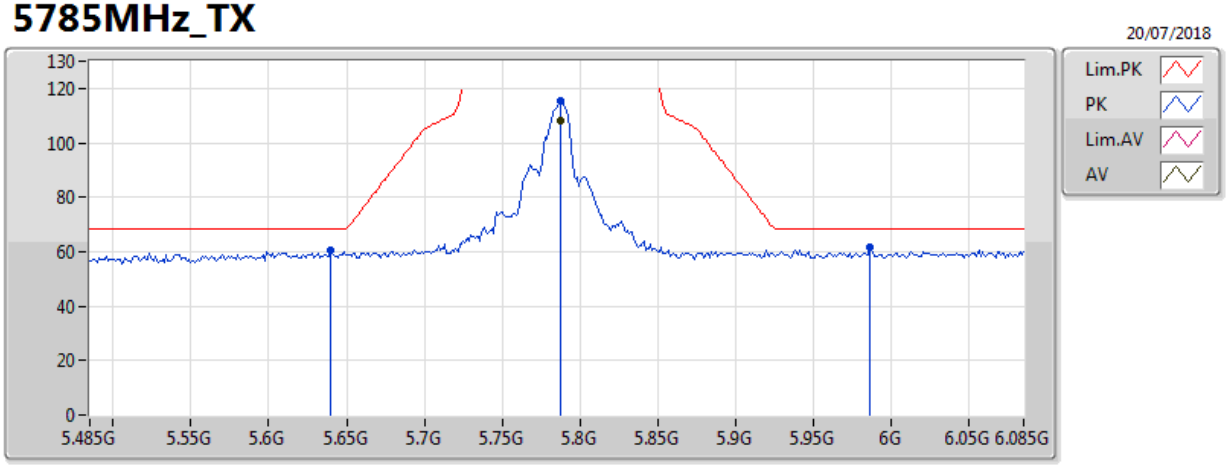
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.48778G	47.68	54.00	-6.32	13.58	3	Horizontal	247	1.52	-
PK	11.48736G	61.21	74.00	-12.79	13.58	3	Horizontal	247	1.52	-

802.11a_Nss1,(6Mbps)_4TX

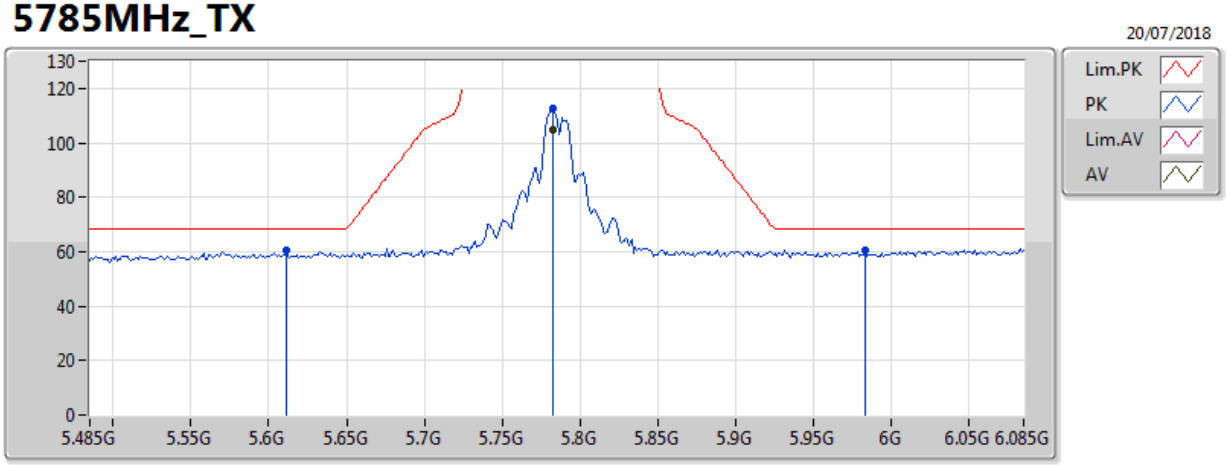
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7874G	108.09	Inf	-Inf	7.58	3	Vertical	91	1.53	-
PK	5.6398G	60.67	68.20	-7.53	7.22	3	Vertical	91	1.53	-
PK	5.7874G	115.35	Inf	-Inf	7.58	3	Vertical	91	1.53	-
PK	5.9866G	61.53	68.20	-6.67	8.05	3	Vertical	91	1.53	-

802.11a_Nss1,(6Mbps)_4TX

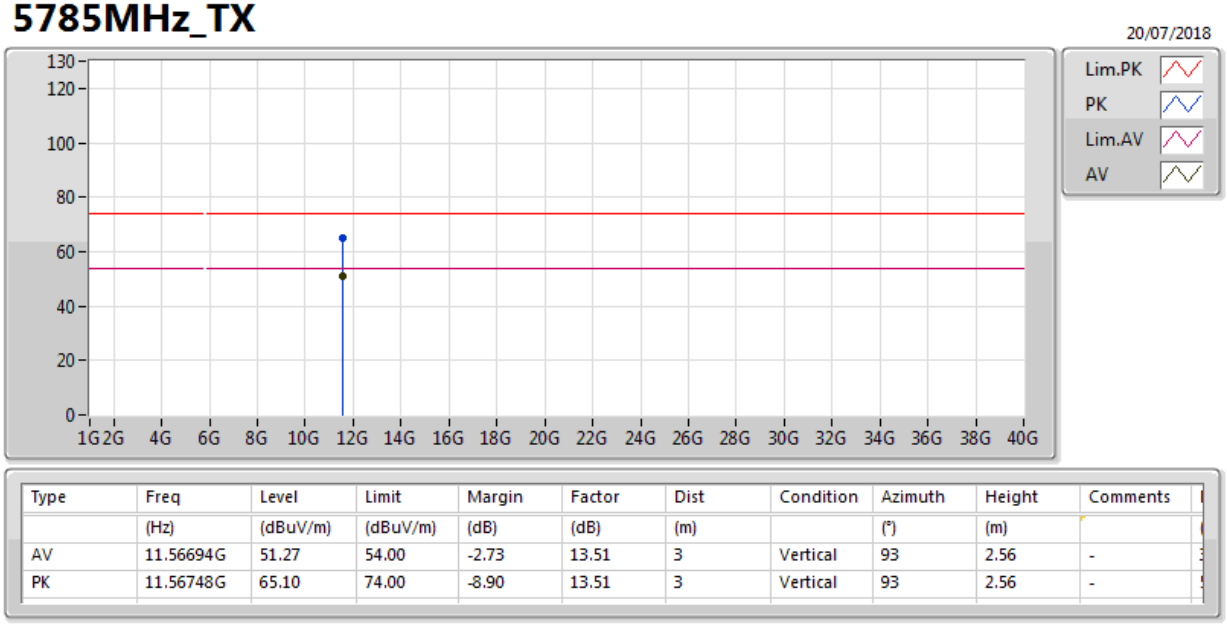
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7826G	104.58	Inf	-Inf	7.57	3	Horizontal	336	1.47	-
PK	5.611G	60.63	68.20	-7.57	7.15	3	Horizontal	336	1.47	-
PK	5.7826G	112.51	Inf	-Inf	7.57	3	Horizontal	336	1.47	-
PK	5.983G	60.31	68.20	-7.89	8.06	3	Horizontal	336	1.47	-

802.11a_Nss1,(6Mbps)_4TX

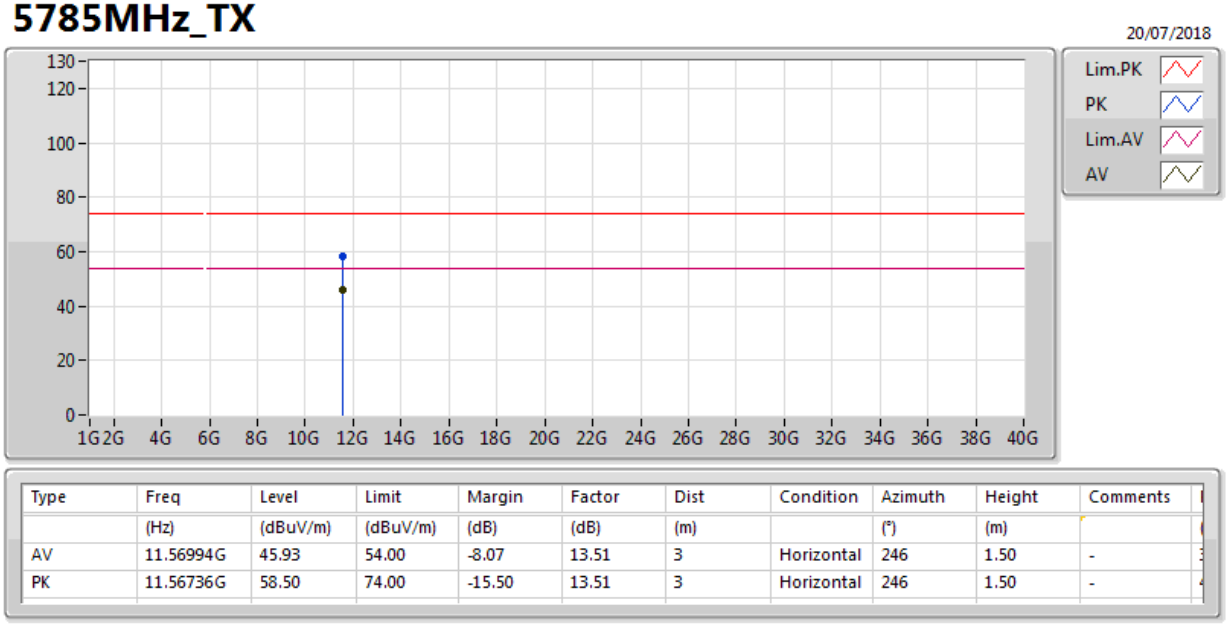
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.56694G	51.27	54.00	-2.73	13.51	3	Vertical	93	2.56	-
PK	11.56748G	65.10	74.00	-8.90	13.51	3	Vertical	93	2.56	-

802.11a_Nss1,(6Mbps)_4TX

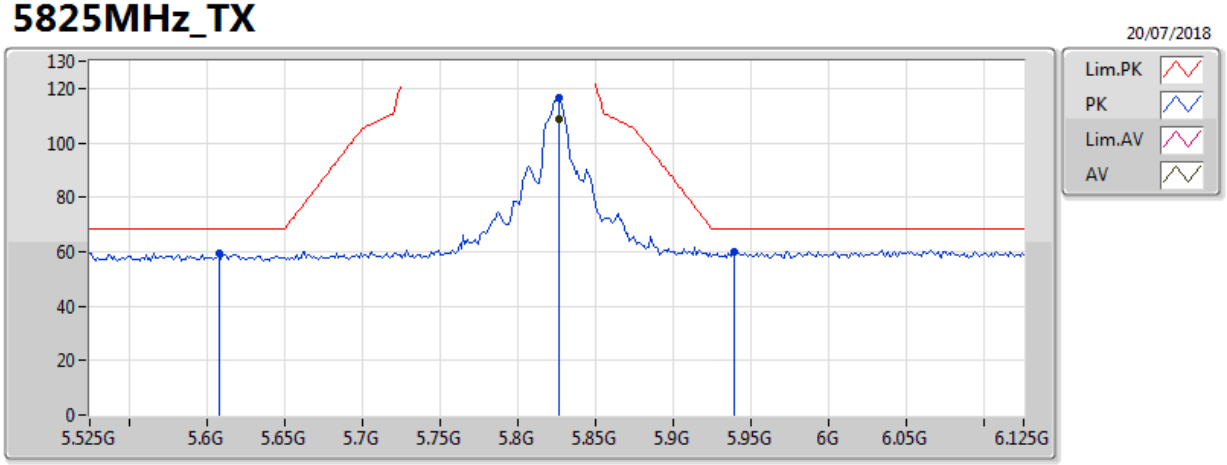
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.56994G	45.93	54.00	-8.07	13.51	3	Horizontal	246	1.50	-
PK	11.56736G	58.50	74.00	-15.50	13.51	3	Horizontal	246	1.50	-

802.11a_Nss1,(6Mbps)_4TX

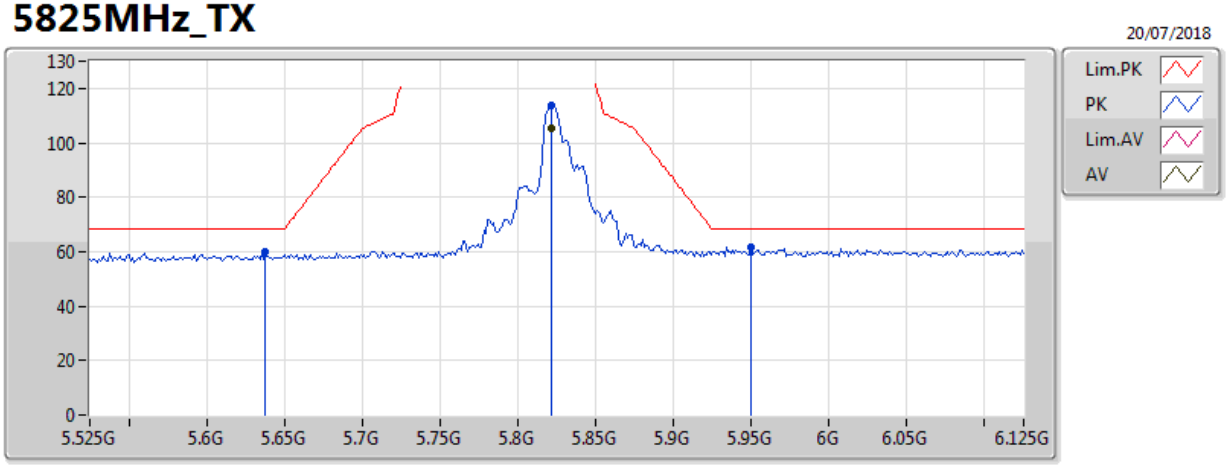
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.8262G	108.98	Inf	-Inf	7.67	3	Vertical	203	3.01	-
PK	5.6078G	59.50	68.20	-8.70	7.14	3	Vertical	203	3.01	-
PK	5.8262G	116.54	Inf	-Inf	7.67	3	Vertical	203	3.01	-
PK	5.939G	59.79	68.20	-8.41	7.94	3	Vertical	203	3.01	-

802.11a_Nss1,(6Mbps)_4TX

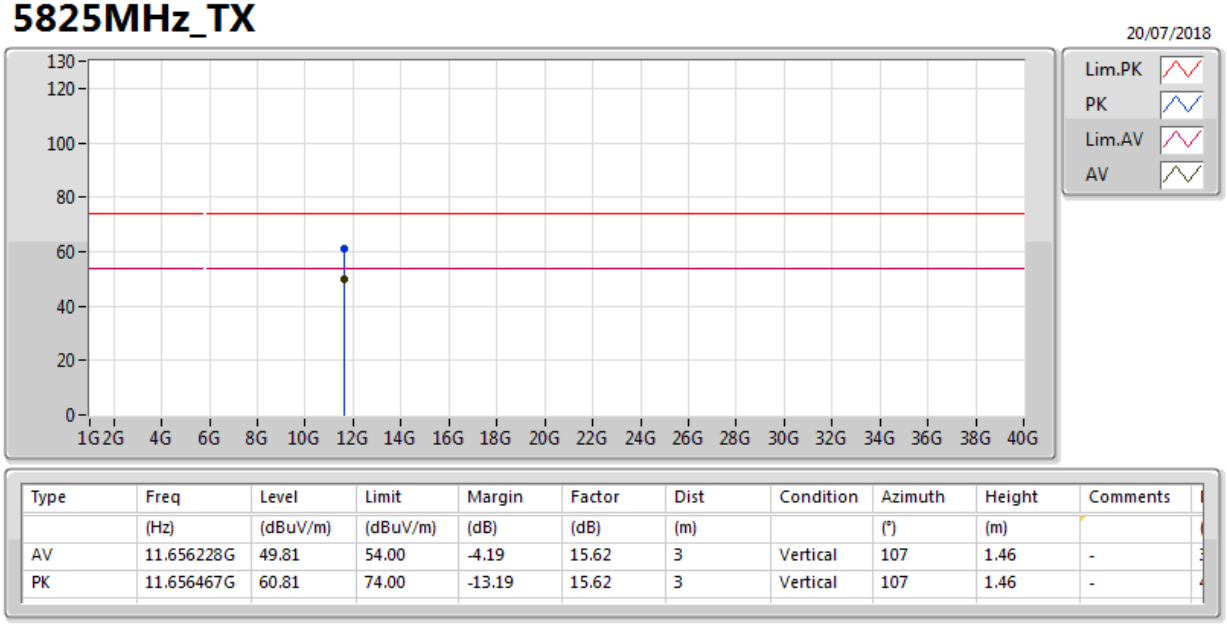
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.8214G	105.25	Inf	-Inf	7.66	3	Horizontal	248	1.60	-
PK	5.6378G	59.73	68.20	-8.47	7.21	3	Horizontal	248	1.60	-
PK	5.8214G	113.72	Inf	-Inf	7.66	3	Horizontal	248	1.60	-
PK	5.9498G	61.84	68.20	-6.36	7.97	3	Horizontal	248	1.60	-

802.11a_Nss1,(6Mbps)_4TX

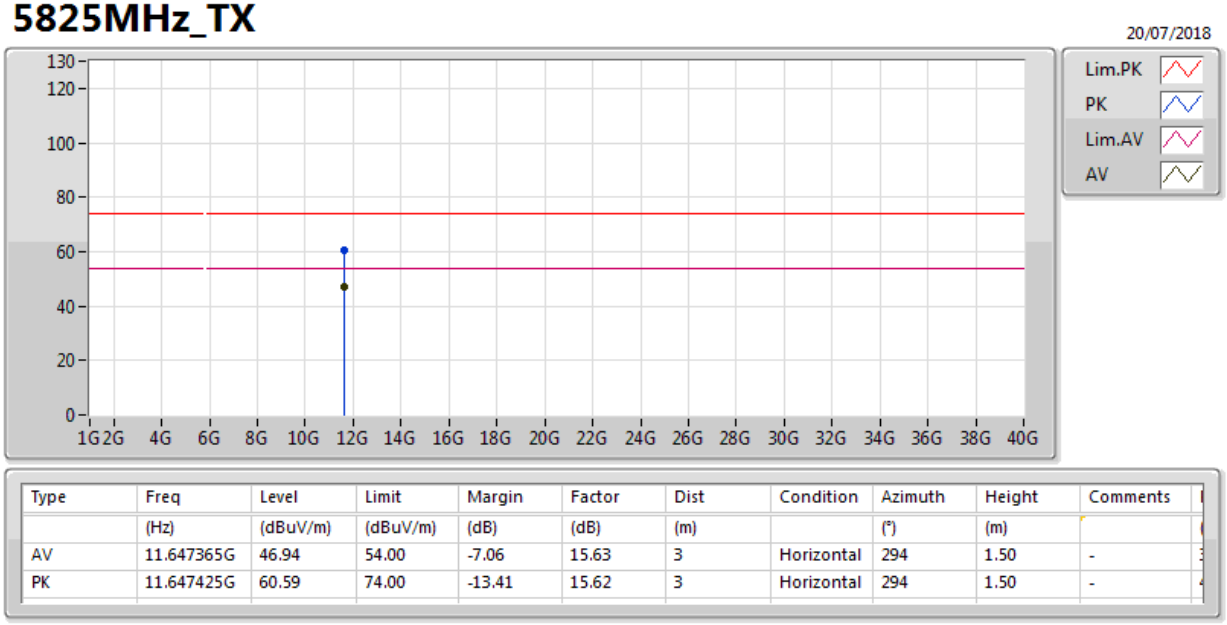
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.656228G	49.81	54.00	-4.19	15.62	3	Vertical	107	1.46	-
PK	11.656467G	60.81	74.00	-13.19	15.62	3	Vertical	107	1.46	-

802.11a_Nss1,(6Mbps)_4TX

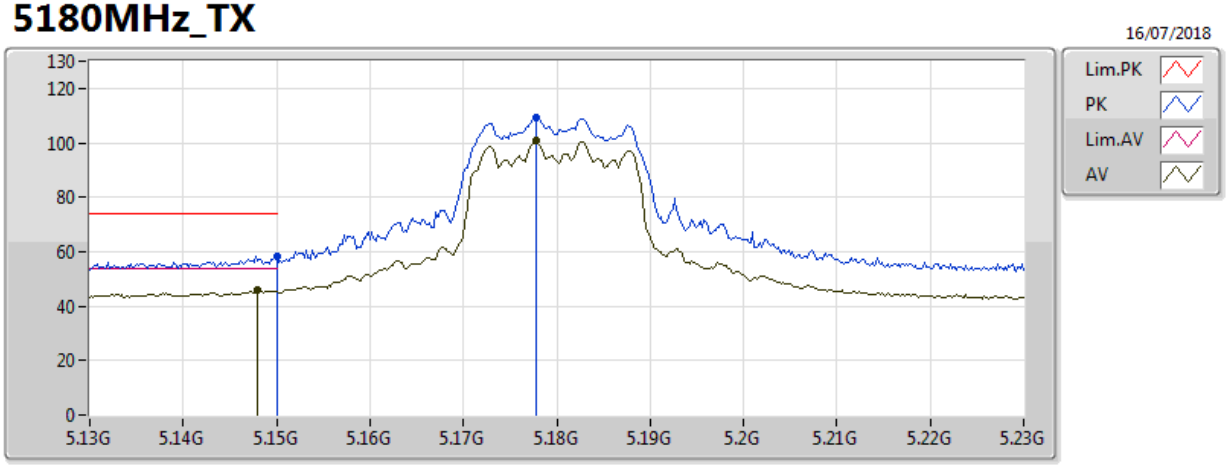
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.647365G	46.94	54.00	-7.06	15.63	3	Horizontal	294	1.50	-
PK	11.647425G	60.59	74.00	-13.41	15.62	3	Horizontal	294	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

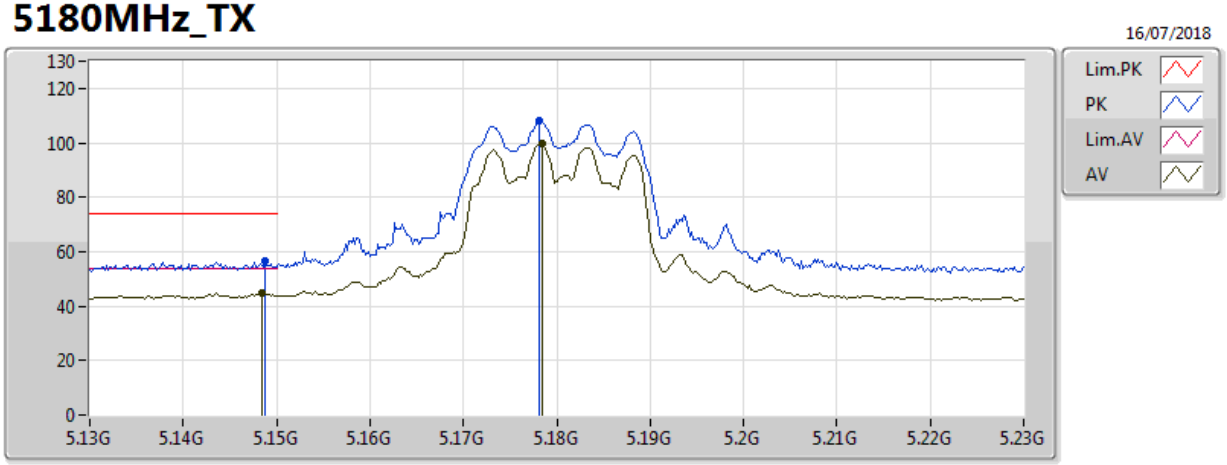
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.148G	45.90	54.00	-8.10	2.74	3	Vertical	28	2.15	-
AV	5.1778G	100.73	Inf	-Inf	2.77	3	Vertical	28	2.15	-
PK	5.149995G	58.49	74.00	-15.51	2.74	3	Vertical	28	2.15	-
PK	5.1778G	109.18	Inf	-Inf	2.77	3	Vertical	28	2.15	-

802.11ac VHT20_Nss1,(MCS0)_4TX

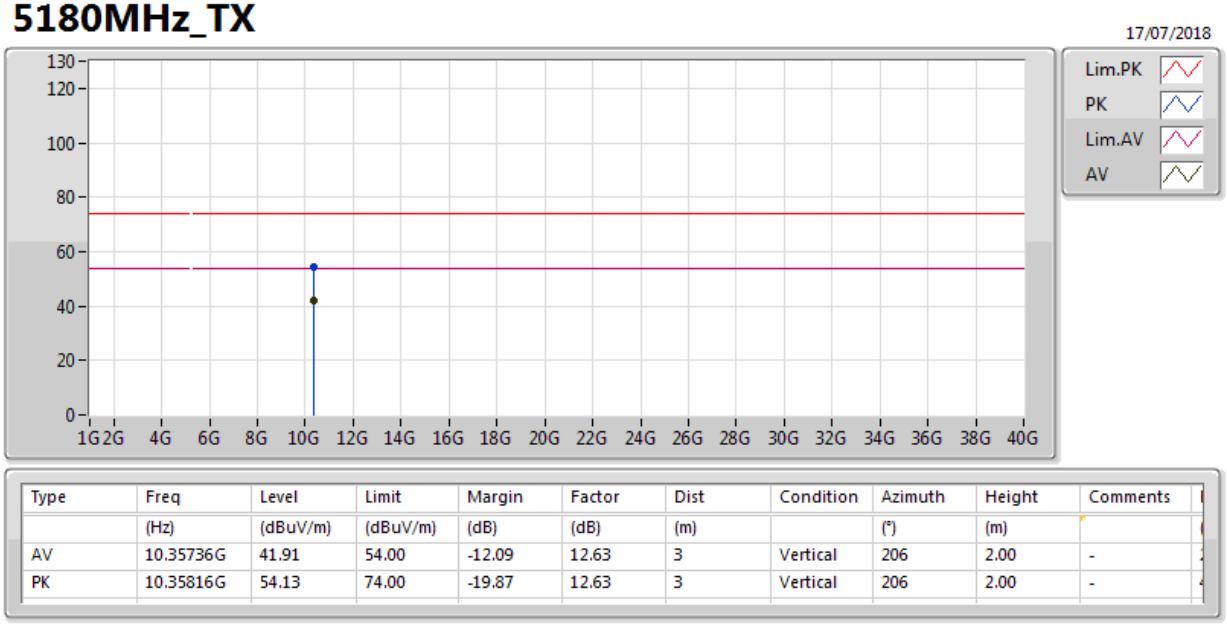
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1484G	44.76	54.00	-9.24	2.74	3	Horizontal	316	2.47	-
AV	5.1784G	99.47	Inf	-Inf	2.77	3	Horizontal	316	2.47	-
PK	5.1488G	56.50	74.00	-17.50	2.74	3	Horizontal	316	2.47	-
PK	5.1782G	108.23	Inf	-Inf	2.77	3	Horizontal	316	2.47	-

802.11ac VHT20_Nss1,(MCS0)_4TX

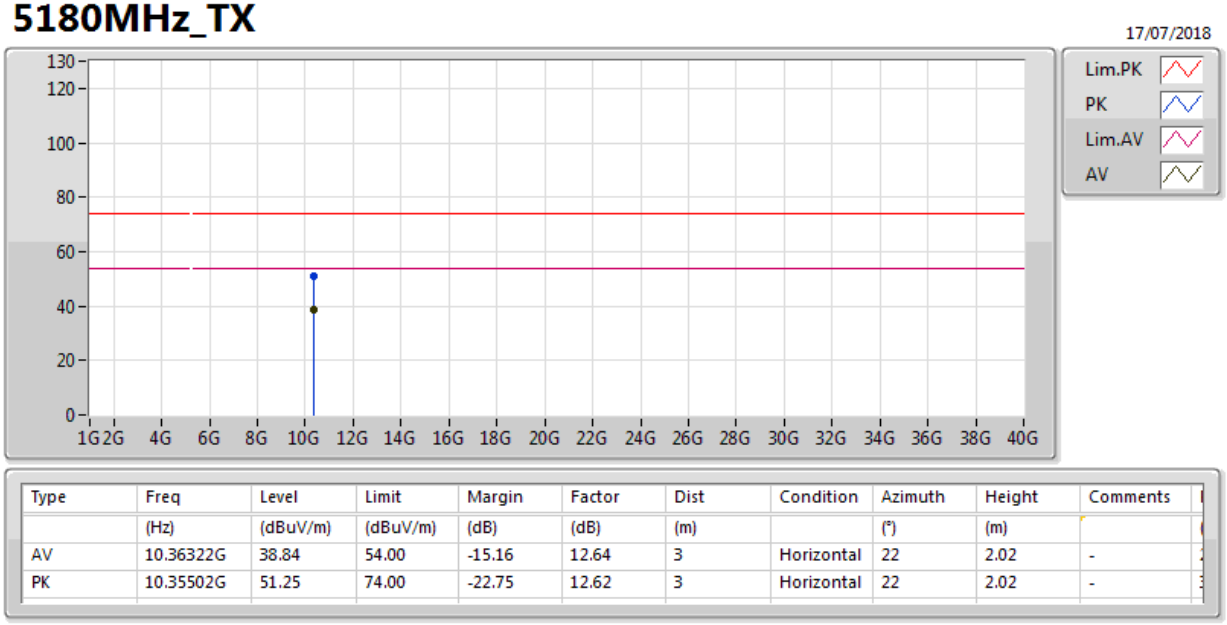
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.35736G	41.91	54.00	-12.09	12.63	3	Vertical	206	2.00	-
PK	10.35816G	54.13	74.00	-19.87	12.63	3	Vertical	206	2.00	-

802.11ac VHT20_Nss1,(MCS0)_4TX

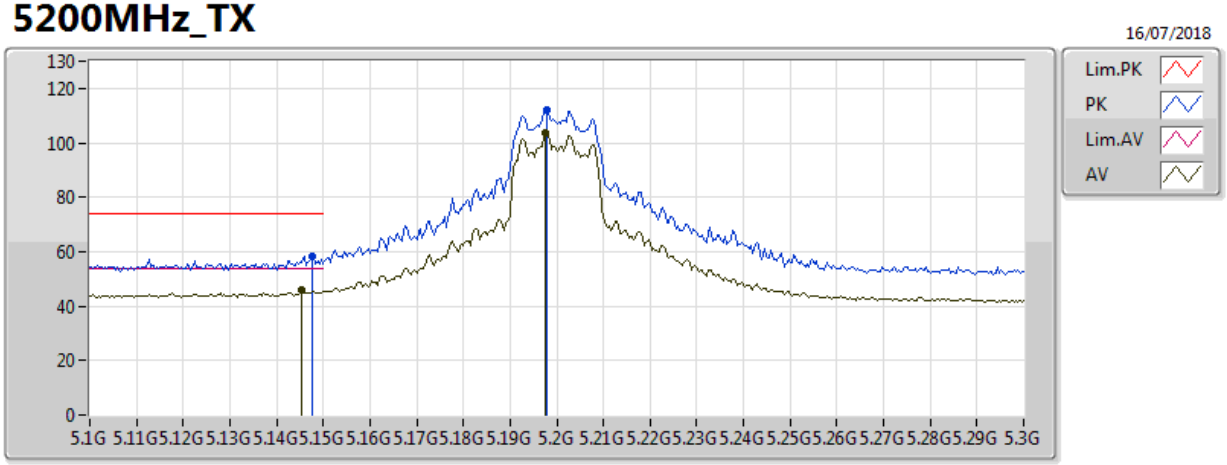
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.36322G	38.84	54.00	-15.16	12.64	3	Horizontal	22	2.02	-
PK	10.35502G	51.25	74.00	-22.75	12.62	3	Horizontal	22	2.02	-

802.11ac VHT20_Nss1,(MCS0)_4TX

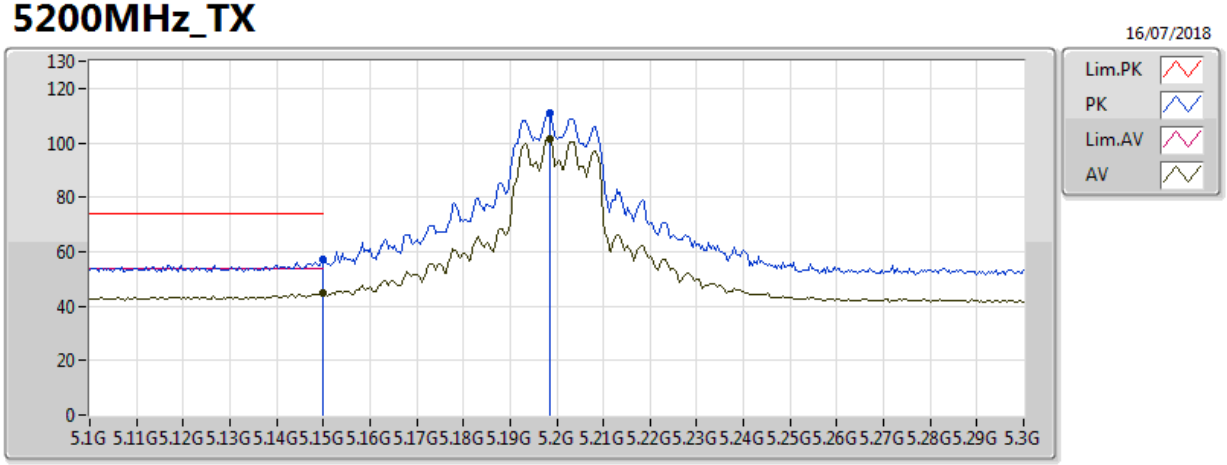
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1452G	45.68	54.00	-8.32	2.74	3	Vertical	28	2.38	-
AV	5.1976G	103.46	Inf	-Inf	2.80	3	Vertical	28	2.38	-
PK	5.1476G	58.47	74.00	-15.53	2.74	3	Vertical	28	2.38	-
PK	5.198G	111.94	Inf	-Inf	2.80	3	Vertical	28	2.38	-

802.11ac VHT20_Nss1,(MCS0)_4TX

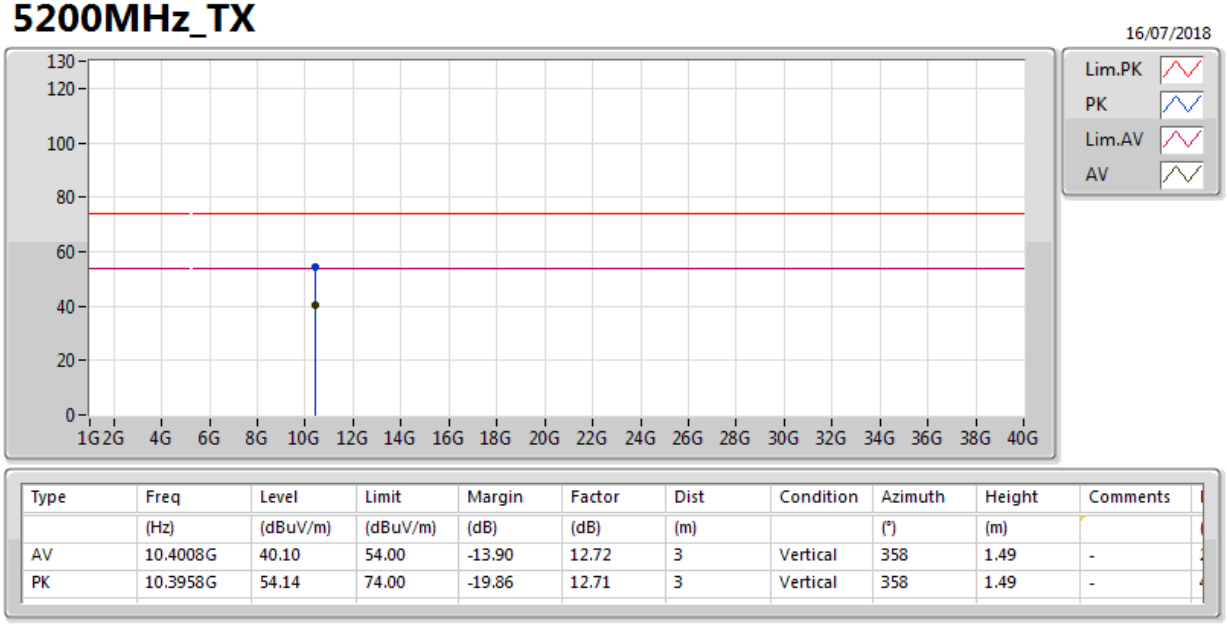
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.149995G	44.64	54.00	-9.36	2.74	3	Horizontal	310	3.06	-
AV	5.1984G	101.56	Inf	-Inf	2.80	3	Horizontal	310	3.06	-
PK	5.149995G	56.97	74.00	-17.03	2.74	3	Horizontal	310	3.06	-
PK	5.1984G	110.71	Inf	-Inf	2.80	3	Horizontal	310	3.06	-

802.11ac VHT20_Nss1,(MCS0)_4TX

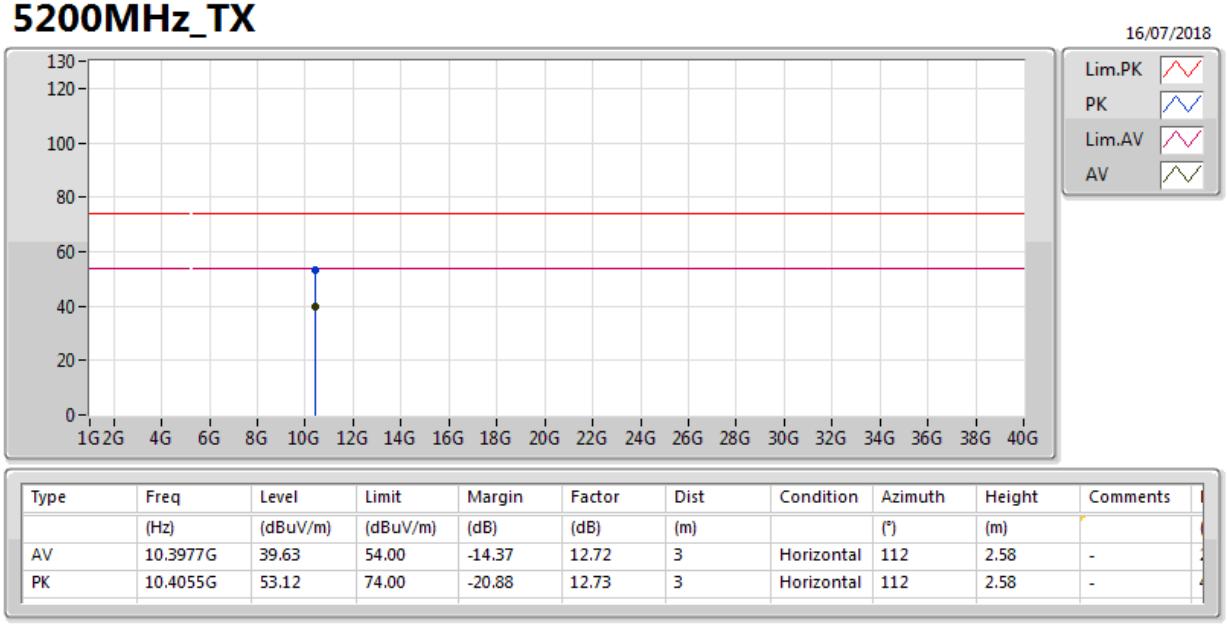
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.4008G	40.10	54.00	-13.90	12.72	3	Vertical	358	1.49	-
PK	10.3958G	54.14	74.00	-19.86	12.71	3	Vertical	358	1.49	-

802.11ac VHT20_Nss1,(MCS0)_4TX

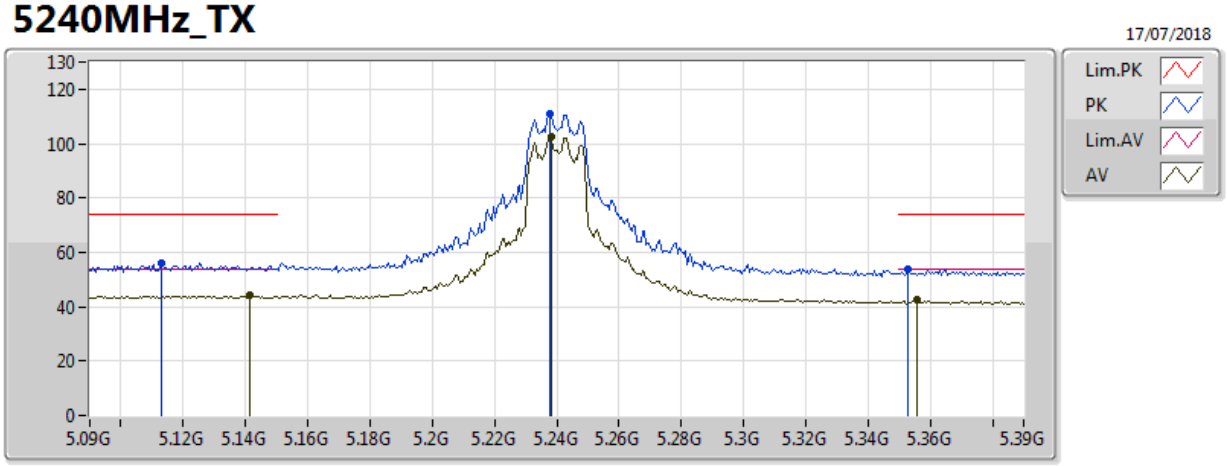
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.3977G	39.63	54.00	-14.37	12.72	3	Horizontal	112	2.58	-
PK	10.4055G	53.12	74.00	-20.88	12.73	3	Horizontal	112	2.58	-

802.11ac VHT20_Nss1,(MCS0)_4TX

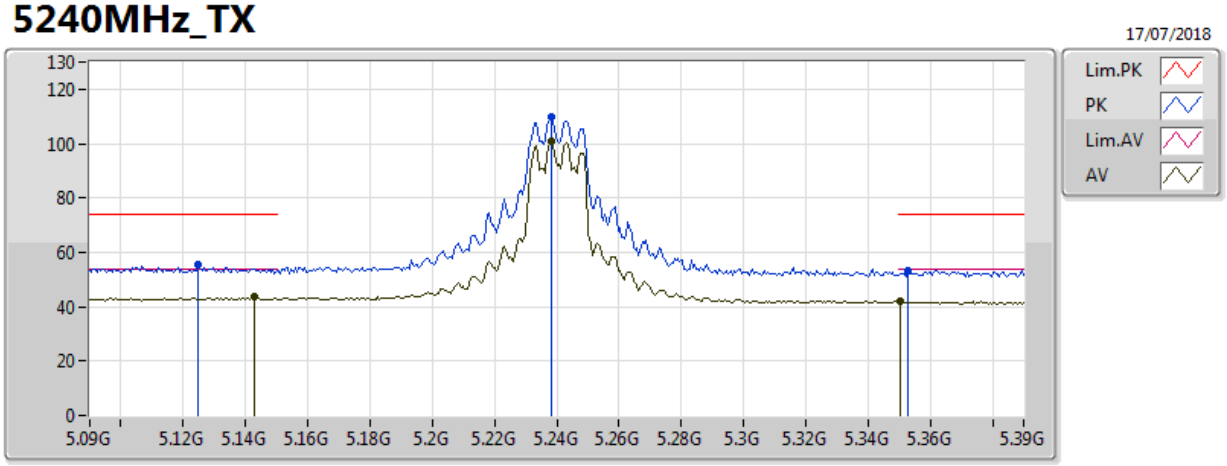
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1416G	44.12	54.00	-9.88	2.73	3	Vertical	18	2.23	-
AV	5.2382G	102.74	Inf	-Inf	2.84	3	Vertical	18	2.23	-
AV	5.3558G	42.43	54.00	-11.57	2.97	3	Vertical	18	2.23	-
PK	5.1128G	56.25	74.00	-17.75	2.70	3	Vertical	18	2.23	-
PK	5.2376G	110.91	Inf	-Inf	2.84	3	Vertical	18	2.23	-
PK	5.3528G	53.97	74.00	-20.03	2.97	3	Vertical	18	2.23	-

802.11ac VHT20_Nss1,(MCS0)_4TX

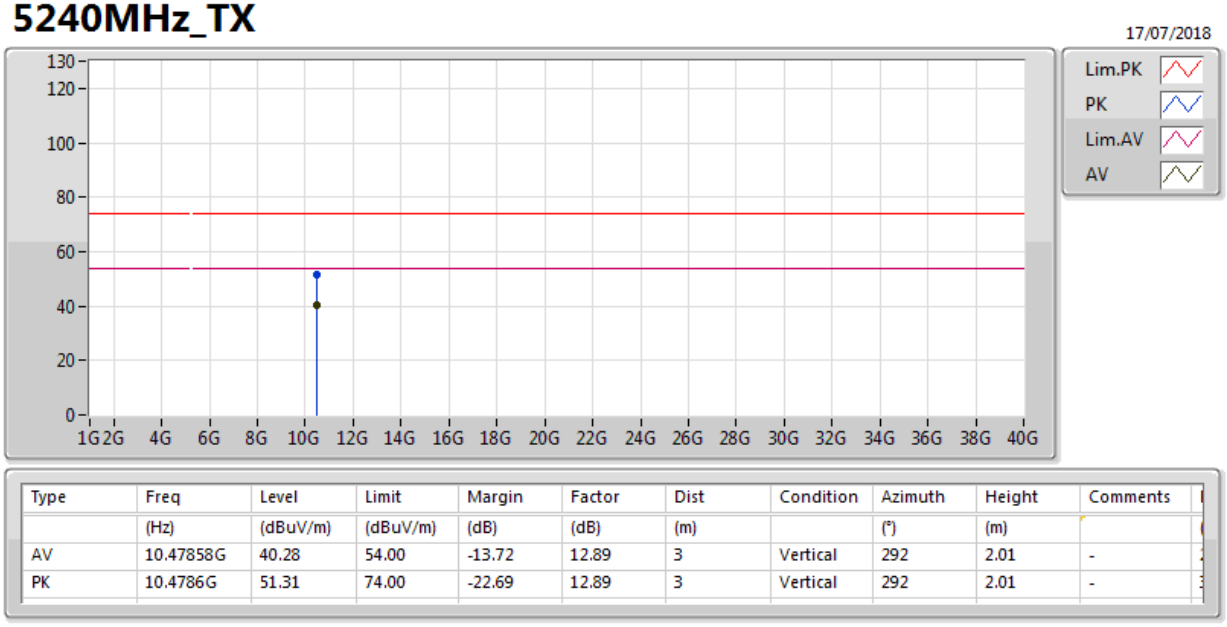
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1428G	43.45	54.00	-10.55	2.74	3	Horizontal	302	2.42	-
AV	5.2382G	101.06	Inf	-Inf	2.84	3	Horizontal	302	2.42	-
AV	5.3504G	42.01	54.00	-11.99	2.97	3	Horizontal	302	2.42	-
PK	5.1248G	55.33	74.00	-18.67	2.71	3	Horizontal	302	2.42	-
PK	5.2382G	109.77	Inf	-Inf	2.84	3	Horizontal	302	2.42	-
PK	5.3528G	53.40	74.00	-20.60	2.97	3	Horizontal	302	2.42	-

802.11ac VHT20_Nss1,(MCS0)_4TX

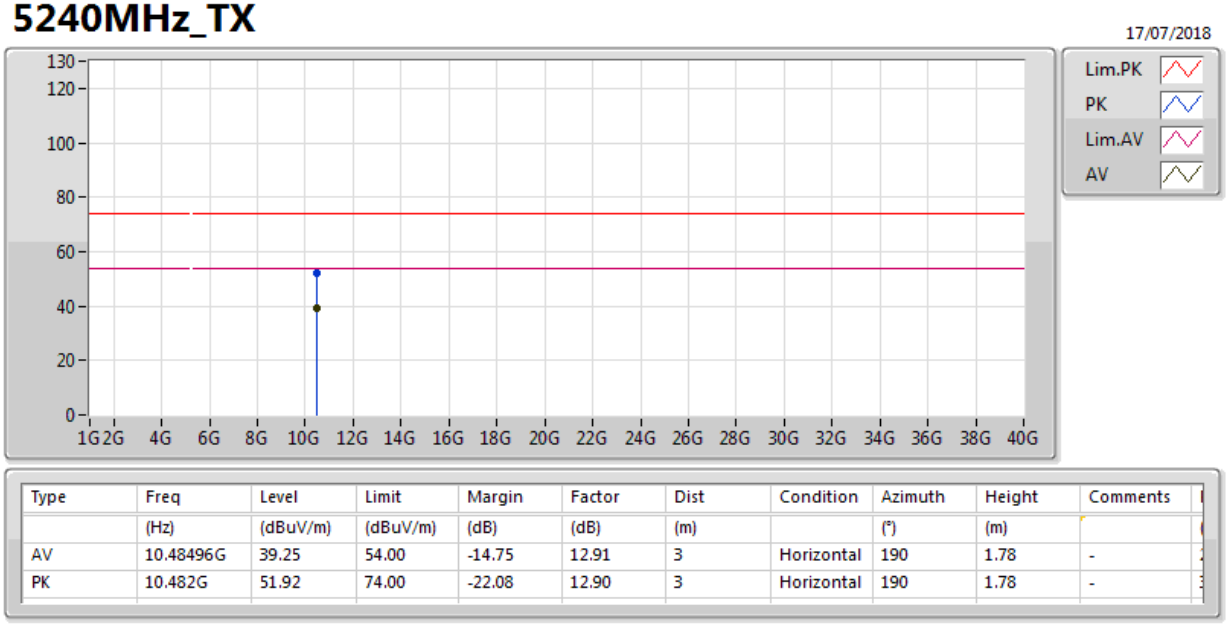
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.47858G	40.28	54.00	-13.72	12.89	3	Vertical	292	2.01	-
PK	10.4786G	51.31	74.00	-22.69	12.89	3	Vertical	292	2.01	-

802.11ac VHT20_Nss1,(MCS0)_4TX

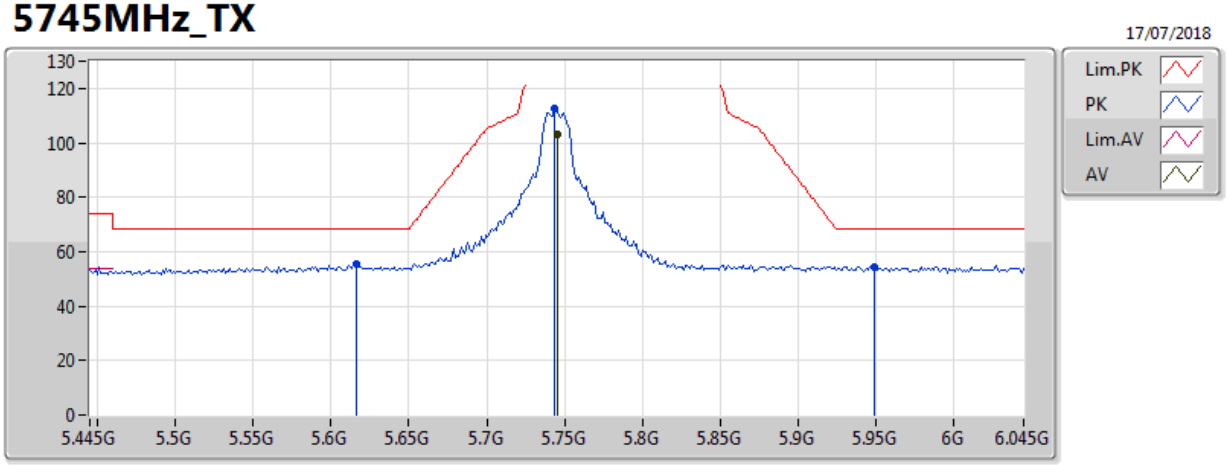
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.48496G	39.25	54.00	-14.75	12.91	3	Horizontal	190	1.78	-
PK	10.482G	51.92	74.00	-22.08	12.90	3	Horizontal	190	1.78	-

802.11ac VHT20_Nss1,(MCS0)_4TX

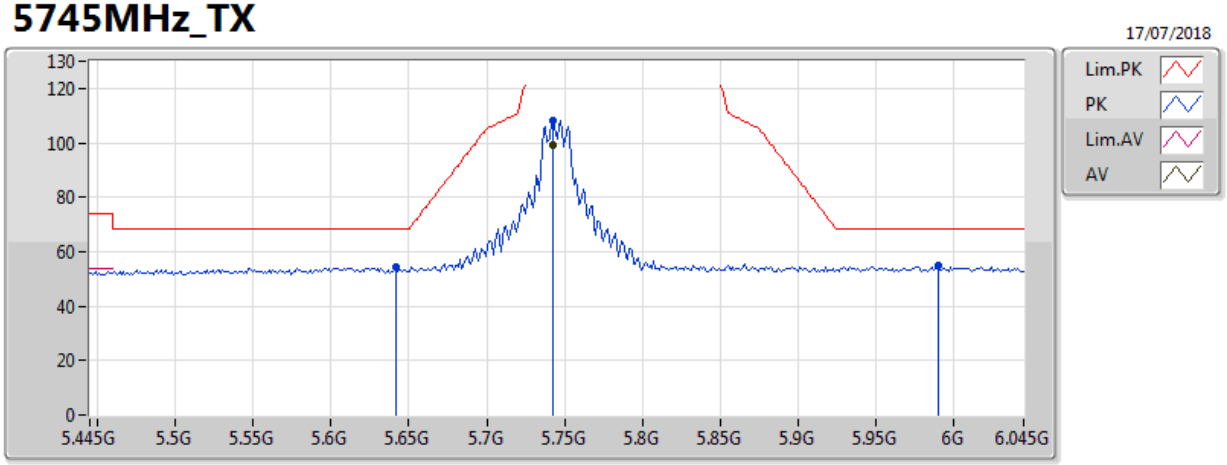
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.745G	103.37	Inf	-Inf	3.63	3	Vertical	358	2.71	-
PK	5.6166G	55.58	68.20	-12.62	3.37	3	Vertical	358	2.71	-
PK	5.7438G	112.57	Inf	-Inf	3.62	3	Vertical	358	2.71	-
PK	5.949G	54.48	68.20	-13.72	4.03	3	Vertical	358	2.71	-

802.11ac VHT20_Nss1,(MCS0)_4TX

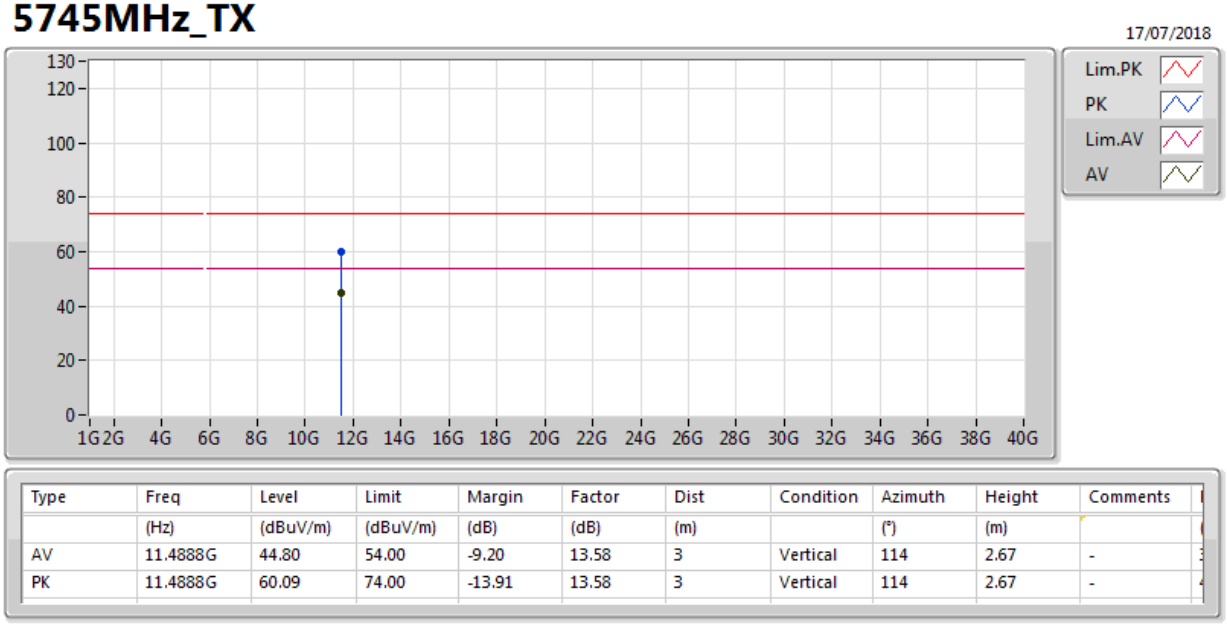
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7426G	99.36	Inf	-Inf	3.62	3	Horizontal	286	1.36	-
PK	5.6418G	54.11	68.20	-14.09	3.43	3	Horizontal	286	1.36	-
PK	5.7426G	108.32	Inf	-Inf	3.62	3	Horizontal	286	1.36	-
PK	5.9898G	55.07	68.20	-13.13	4.11	3	Horizontal	286	1.36	-

802.11ac VHT20_Nss1,(MCS0)_4TX

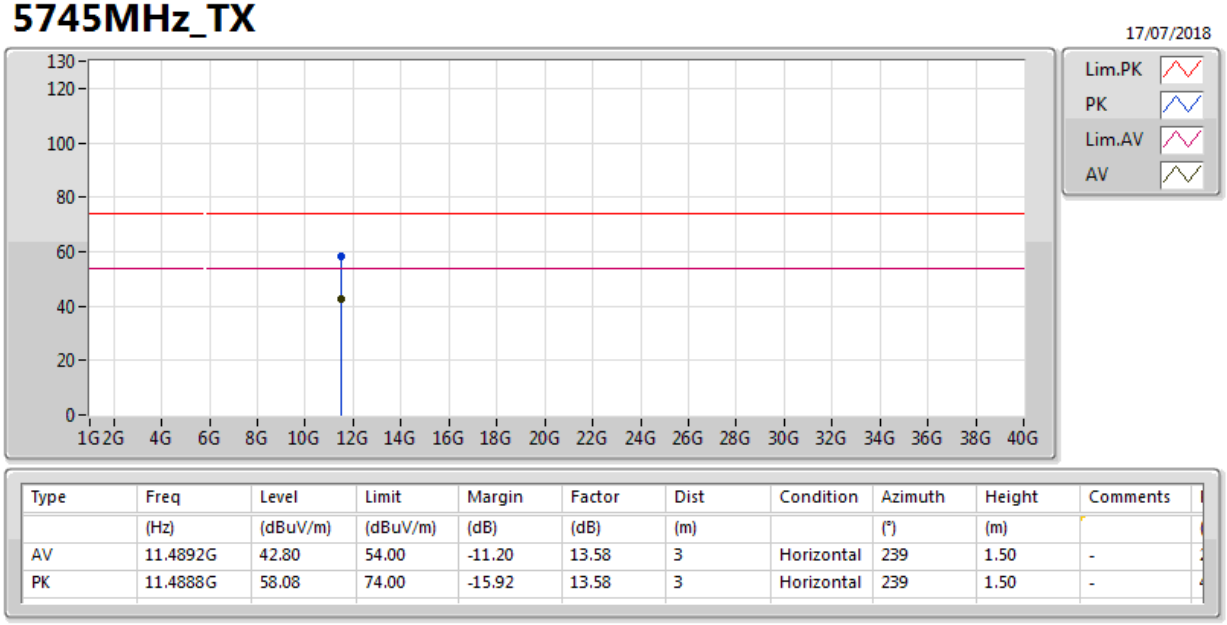
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.4888G	44.80	54.00	-9.20	13.58	3	Vertical	114	2.67	-
PK	11.4888G	60.09	74.00	-13.91	13.58	3	Vertical	114	2.67	-

802.11ac VHT20_Nss1,(MCS0)_4TX

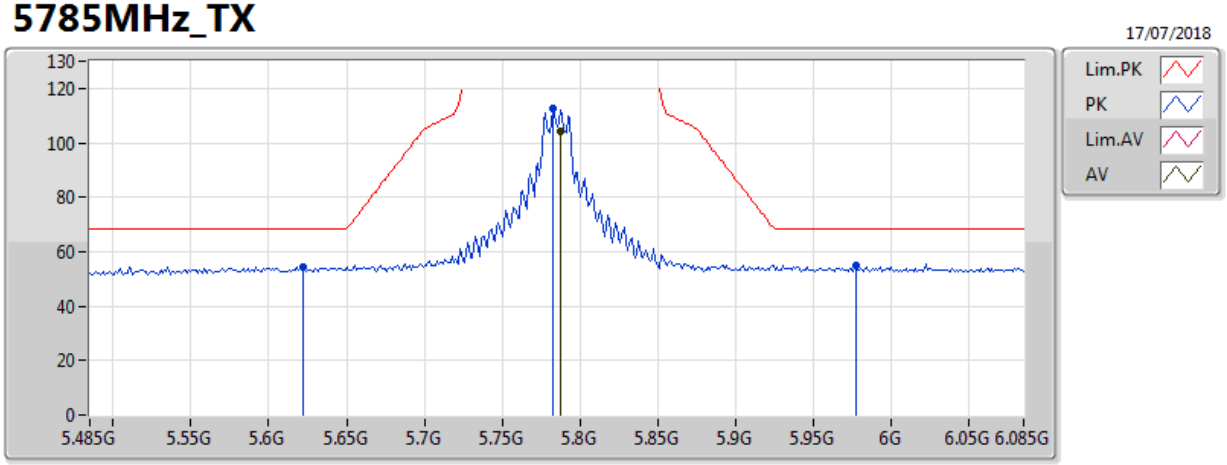
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.4892G	42.80	54.00	-11.20	13.58	3	Horizontal	239	1.50	-
PK	11.4888G	58.08	74.00	-15.92	13.58	3	Horizontal	239	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

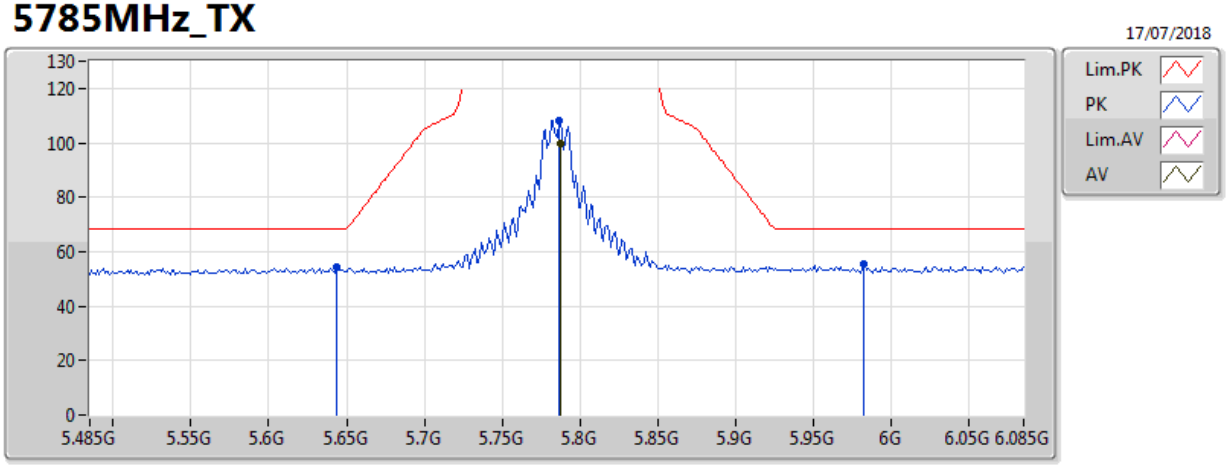
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7874G	104.00	Inf	-Inf	3.71	3	Vertical	128	1.65	-
PK	5.6218G	54.58	68.20	-13.62	3.39	3	Vertical	128	1.65	-
PK	5.7826G	112.81	Inf	-Inf	3.70	3	Vertical	128	1.65	-
PK	5.977G	54.80	68.20	-13.40	4.08	3	Vertical	128	1.65	-

802.11ac VHT20_Nss1,(MCS0)_4TX

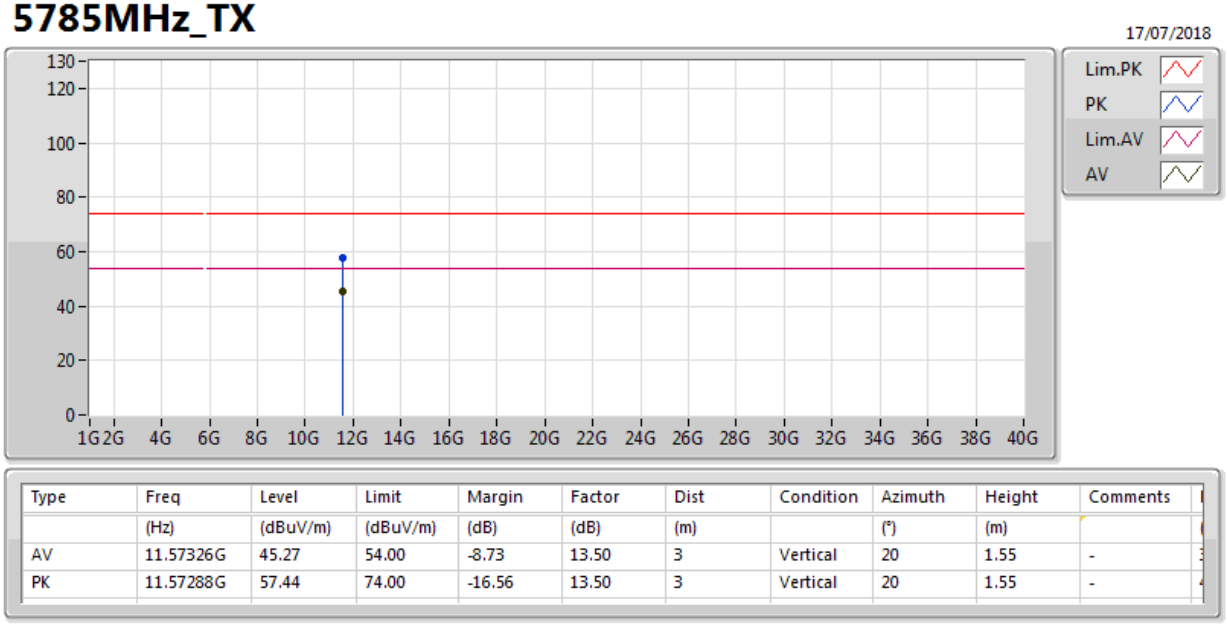
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7874G	99.72	Inf	-Inf	3.71	3	Horizontal	60	1.62	-
PK	5.6434G	54.58	68.20	-13.62	3.43	3	Horizontal	60	1.62	-
PK	5.7862G	108.03	Inf	-Inf	3.70	3	Horizontal	60	1.62	-
PK	5.9818G	55.63	68.20	-12.57	4.09	3	Horizontal	60	1.62	-

802.11ac VHT20_Nss1,(MCS0)_4TX

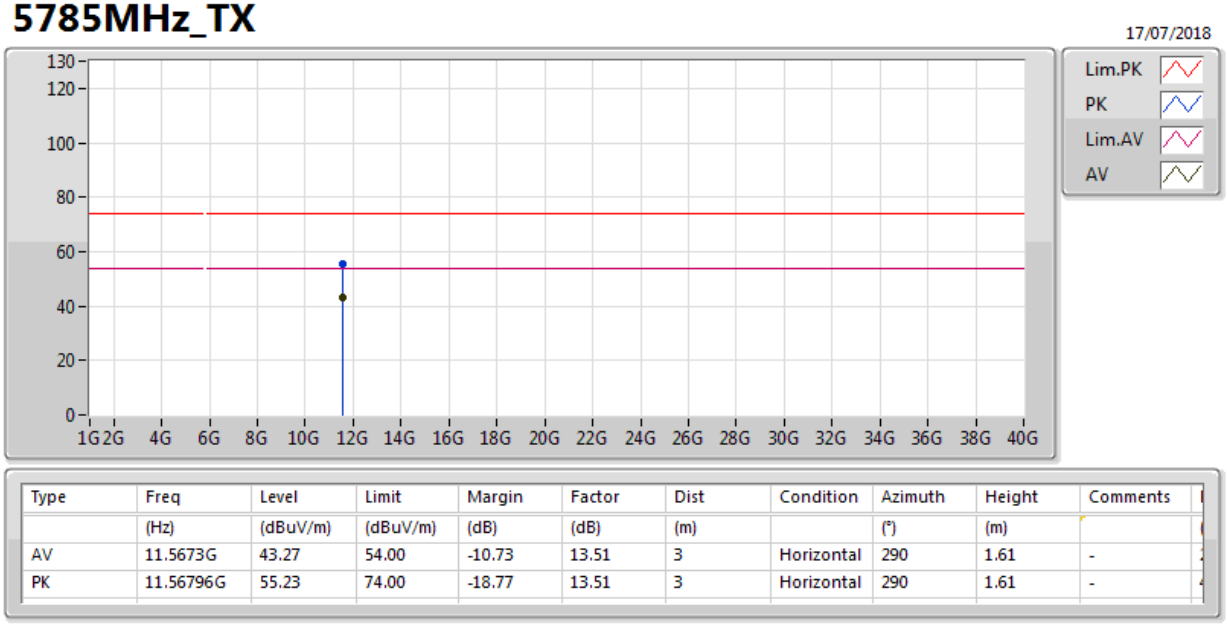
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.57326G	45.27	54.00	-8.73	13.50	3	Vertical	20	1.55	-
PK	11.57288G	57.44	74.00	-16.56	13.50	3	Vertical	20	1.55	-

802.11ac VHT20_Nss1,(MCS0)_4TX

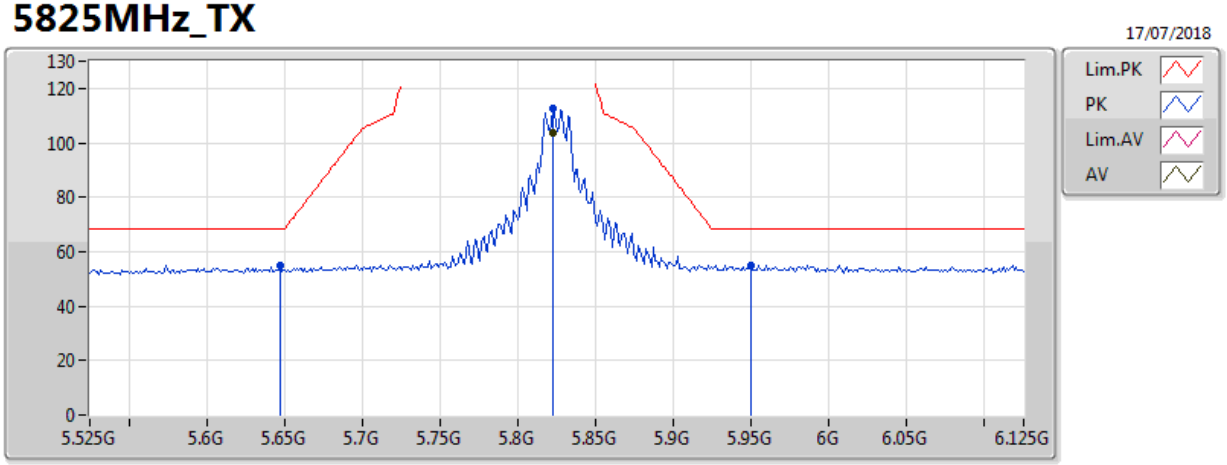
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.5673G	43.27	54.00	-10.73	13.51	3	Horizontal	290	1.61	-
PK	11.56796G	55.23	74.00	-18.77	13.51	3	Horizontal	290	1.61	-

802.11ac VHT20_Nss1,(MCS0)_4TX

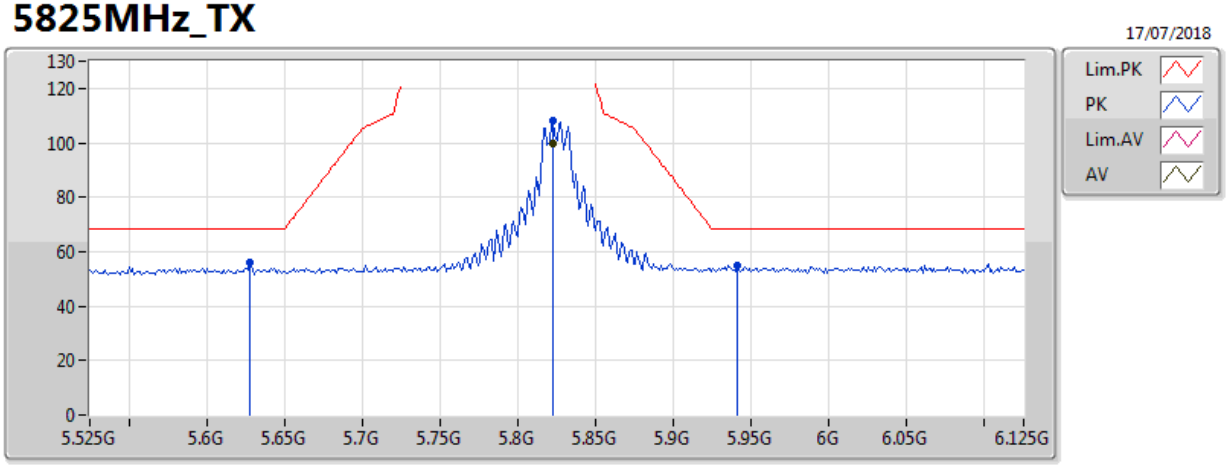
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.8226G	103.49	Inf	-Inf	3.78	3	Vertical	126	1.71	-
PK	5.6474G	55.03	68.20	-13.17	3.44	3	Vertical	126	1.71	-
PK	5.8226G	112.40	Inf	-Inf	3.78	3	Vertical	126	1.71	-
PK	5.9498G	55.19	68.20	-13.01	4.03	3	Vertical	126	1.71	-

802.11ac VHT20_Nss1,(MCS0)_4TX

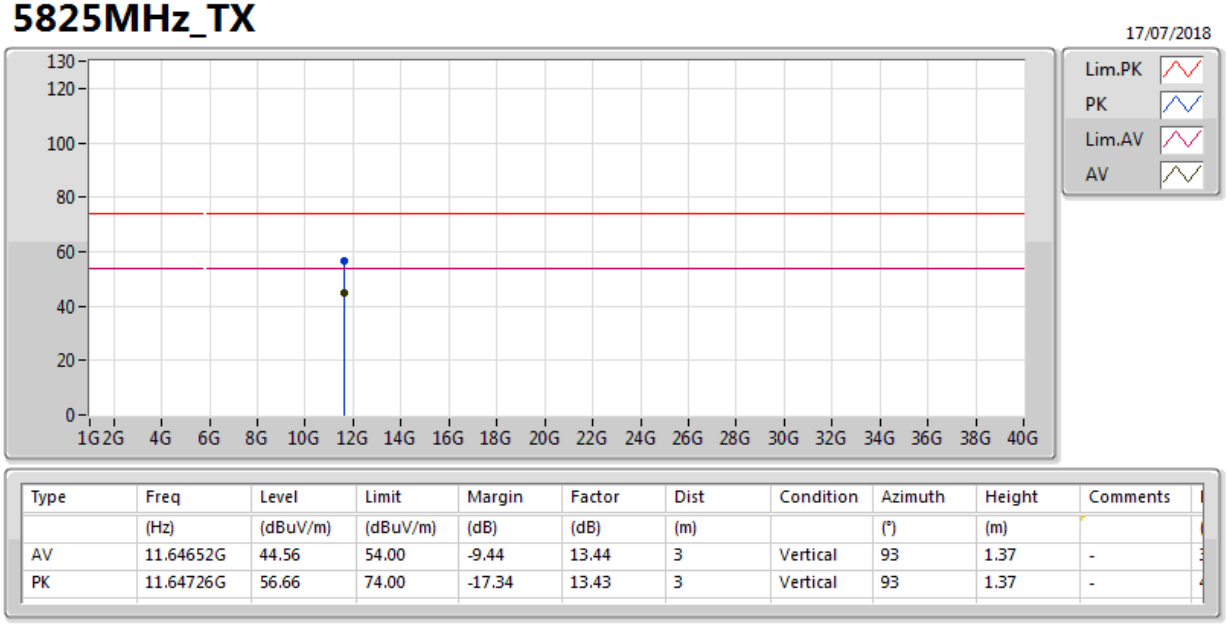
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.8226G	99.49	Inf	-Inf	3.78	3	Horizontal	62	1.57	-
PK	5.6282G	55.76	68.20	-12.44	3.40	3	Horizontal	62	1.57	-
PK	5.8226G	108.25	Inf	-Inf	3.78	3	Horizontal	62	1.57	-
PK	5.9414G	55.13	68.20	-13.07	4.02	3	Horizontal	62	1.57	-

802.11ac VHT20_Nss1,(MCS0)_4TX

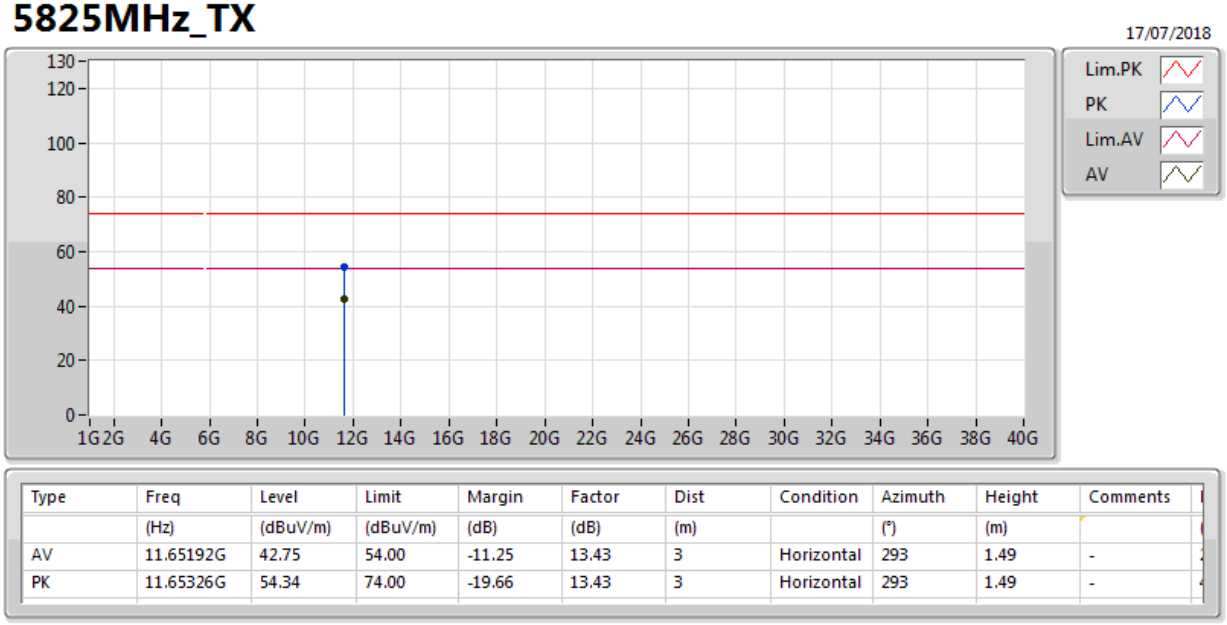
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.64652G	44.56	54.00	-9.44	13.44	3	Vertical	93	1.37	-
PK	11.64726G	56.66	74.00	-17.34	13.43	3	Vertical	93	1.37	-

802.11ac VHT20_Nss1,(MCS0)_4TX

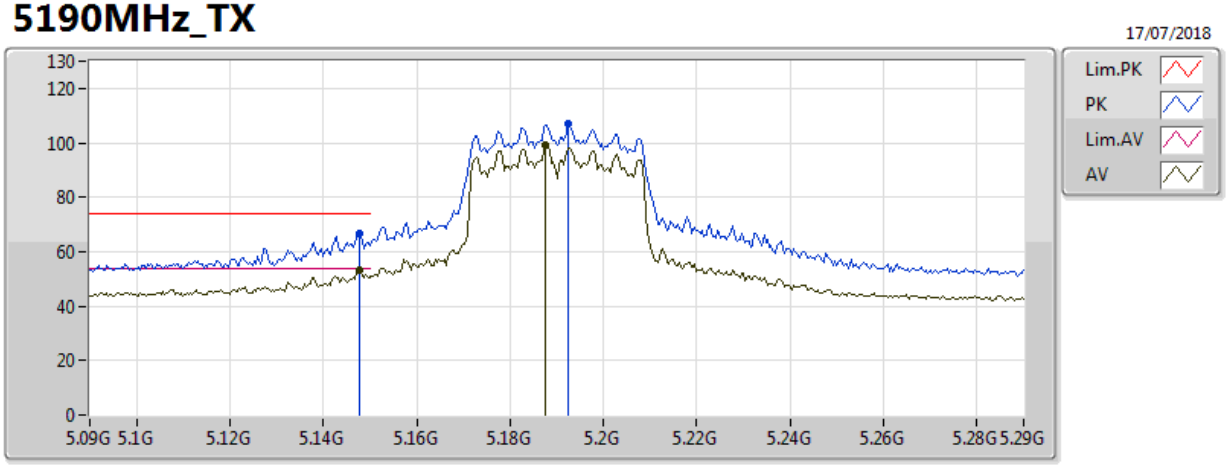
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.65192G	42.75	54.00	-11.25	13.43	3	Horizontal	293	1.49	-
PK	11.65326G	54.34	74.00	-19.66	13.43	3	Horizontal	293	1.49	-

802.11ac VHT40_Nss1,(MCS0)_4TX

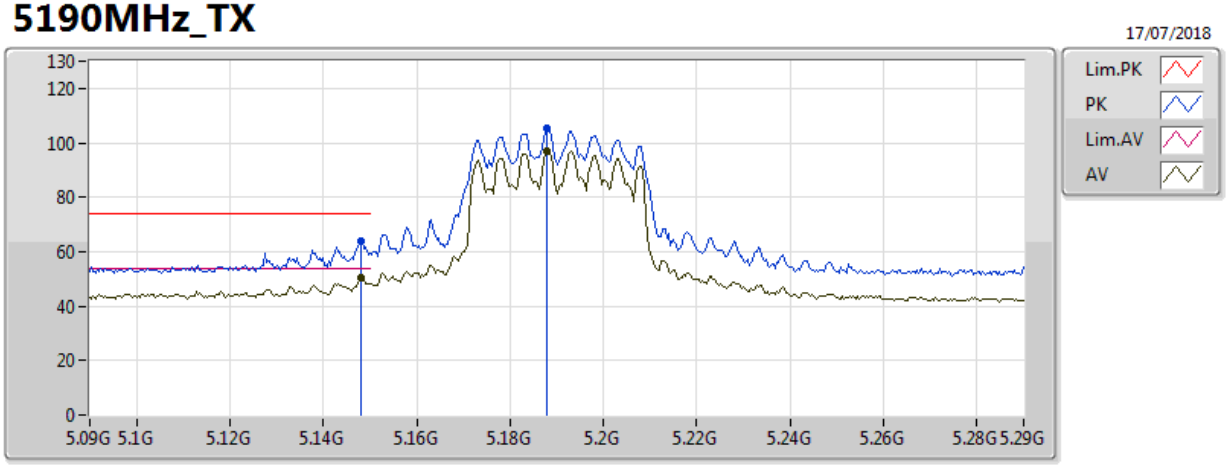
5190MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1476G	53.46	54.00	-0.54	2.74	3	Vertical	26	2.38	-
AV	5.1876G	99.19	Inf	-Inf	2.79	3	Vertical	26	2.38	-
PK	5.1476G	66.79	74.00	-7.21	2.74	3	Vertical	26	2.38	-
PK	5.1924G	106.91	Inf	-Inf	2.79	3	Vertical	26	2.38	-

802.11ac VHT40_Nss1,(MCS0)_4TX

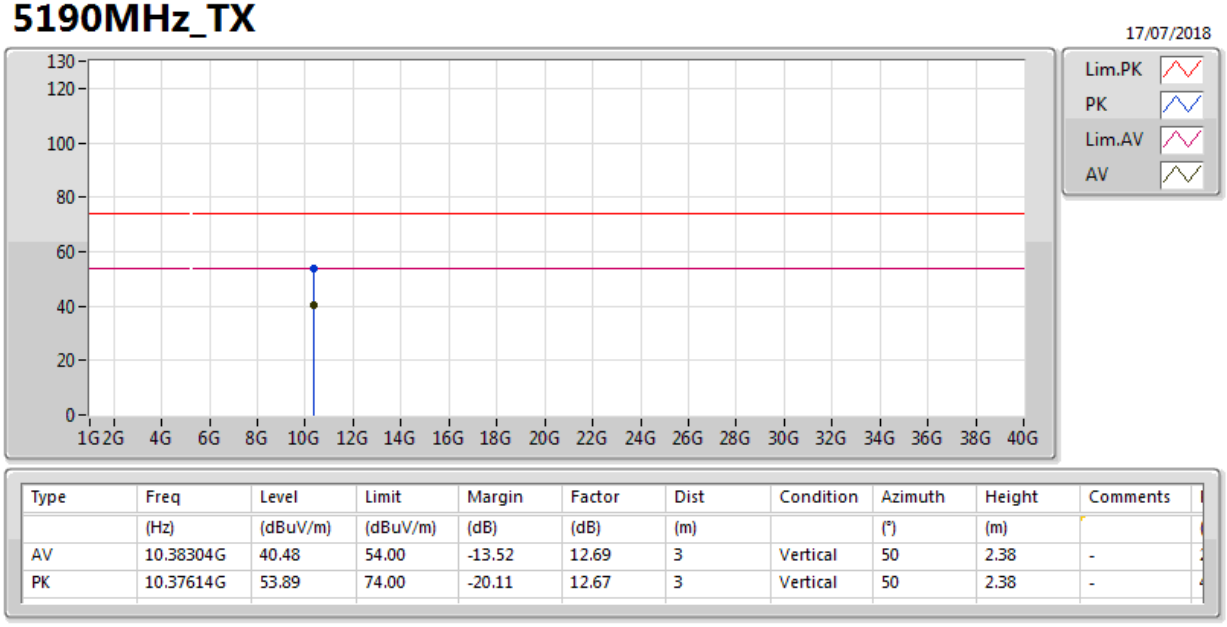
5190MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.148G	50.62	54.00	-3.38	2.74	3	Horizontal	307	2.51	-
AV	5.188G	96.91	Inf	-Inf	2.79	3	Horizontal	307	2.51	-
PK	5.148G	63.89	74.00	-10.11	2.74	3	Horizontal	307	2.51	-
PK	5.188G	105.15	Inf	-Inf	2.79	3	Horizontal	307	2.51	-

802.11ac VHT40_Nss1,(MCS0)_4TX

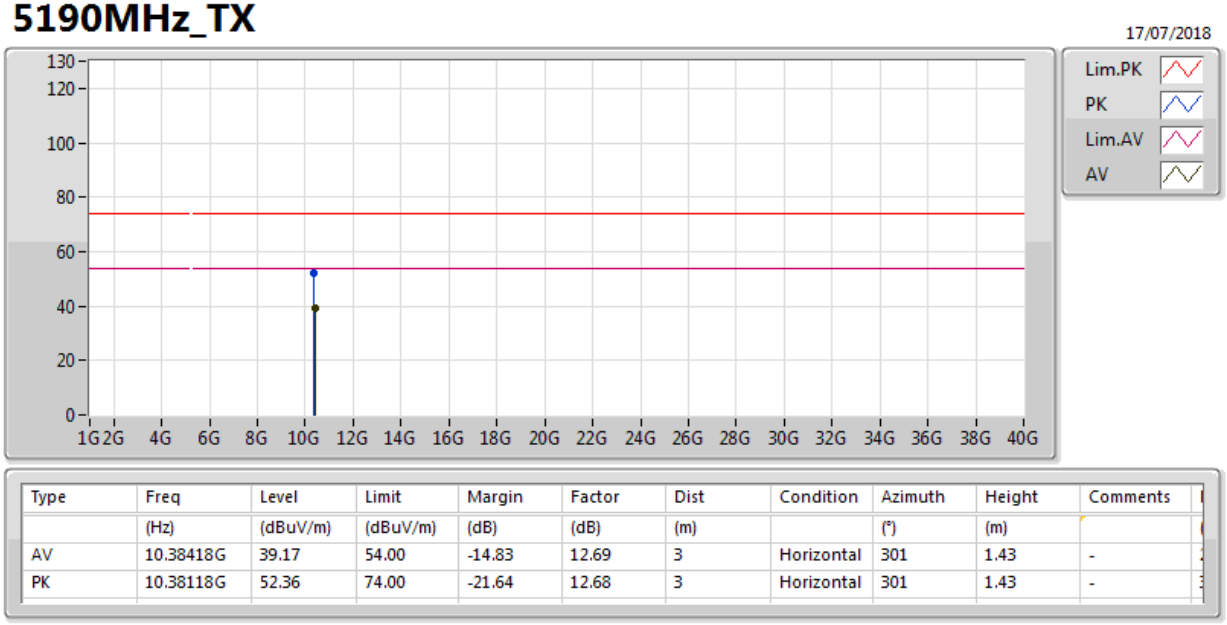
5190MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.38304G	40.48	54.00	-13.52	12.69	3	Vertical	50	2.38	-
PK	10.37614G	53.89	74.00	-20.11	12.67	3	Vertical	50	2.38	-

802.11ac VHT40_Nss1,(MCS0)_4TX

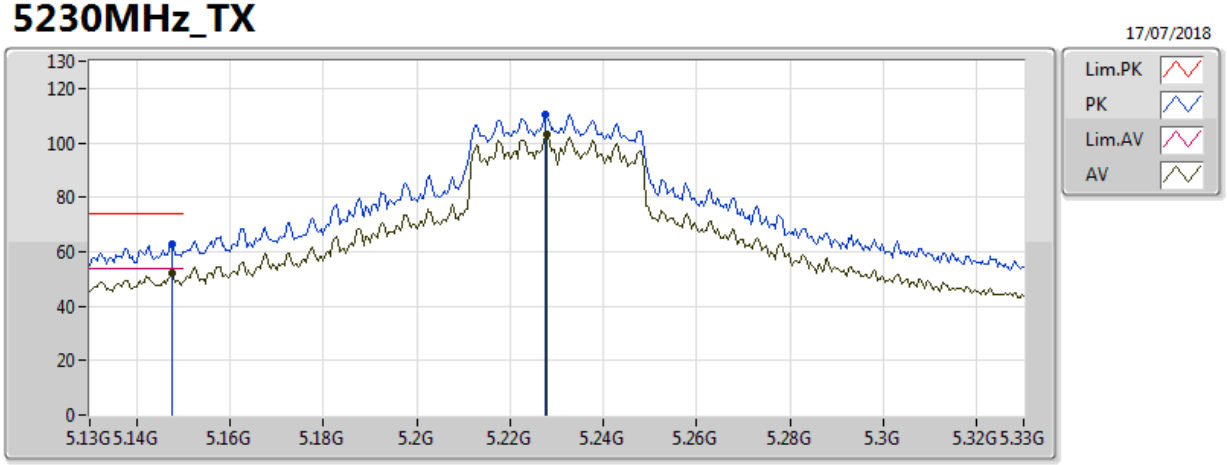
5190MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.38418G	39.17	54.00	-14.83	12.69	3	Horizontal	301	1.43	-
PK	10.38118G	52.36	74.00	-21.64	12.68	3	Horizontal	301	1.43	-

802.11ac VHT40_Nss1,(MCS0)_4TX

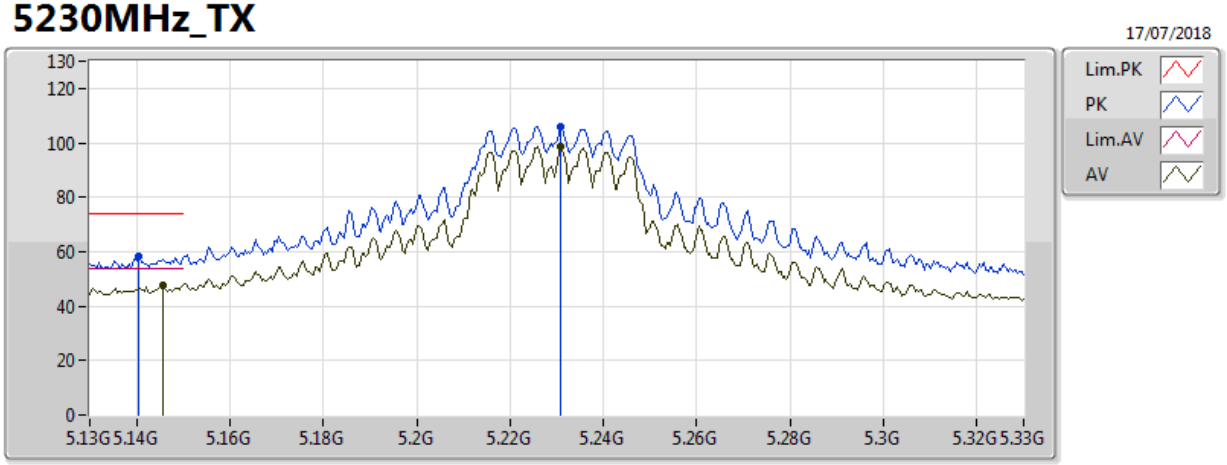
5230MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1476G	52.00	54.00	-2.00	2.74	3	Vertical	25	2.37	-
AV	5.228G	102.85	Inf	-Inf	2.83	3	Vertical	25	2.37	-
PK	5.1476G	62.98	74.00	-11.02	2.74	3	Vertical	25	2.37	-
PK	5.2276G	110.39	Inf	-Inf	2.83	3	Vertical	25	2.37	-

802.11ac VHT40_Nss1,(MCS0)_4TX

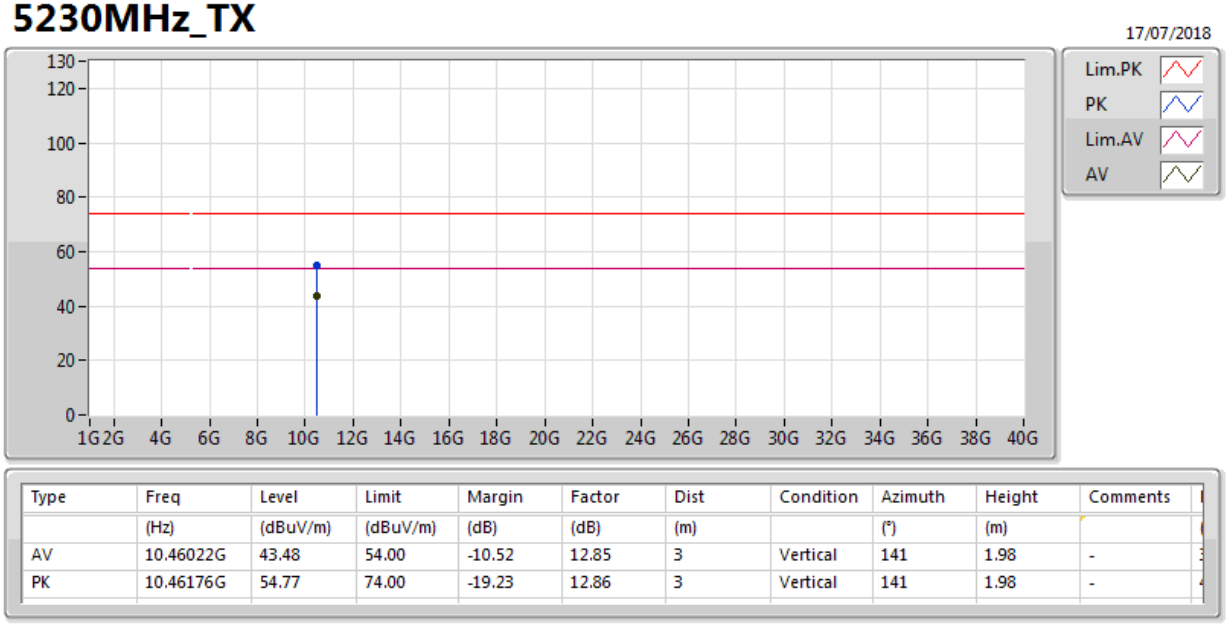
5230MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1456G	47.58	54.00	-6.42	2.74	3	Horizontal	83	2.48	-
AV	5.2308G	98.58	Inf	-Inf	2.83	3	Horizontal	83	2.48	-
PK	5.1404G	58.02	74.00	-15.98	2.73	3	Horizontal	83	2.48	-
PK	5.2308G	105.94	Inf	-Inf	2.83	3	Horizontal	83	2.48	-

802.11ac VHT40_Nss1,(MCS0)_4TX

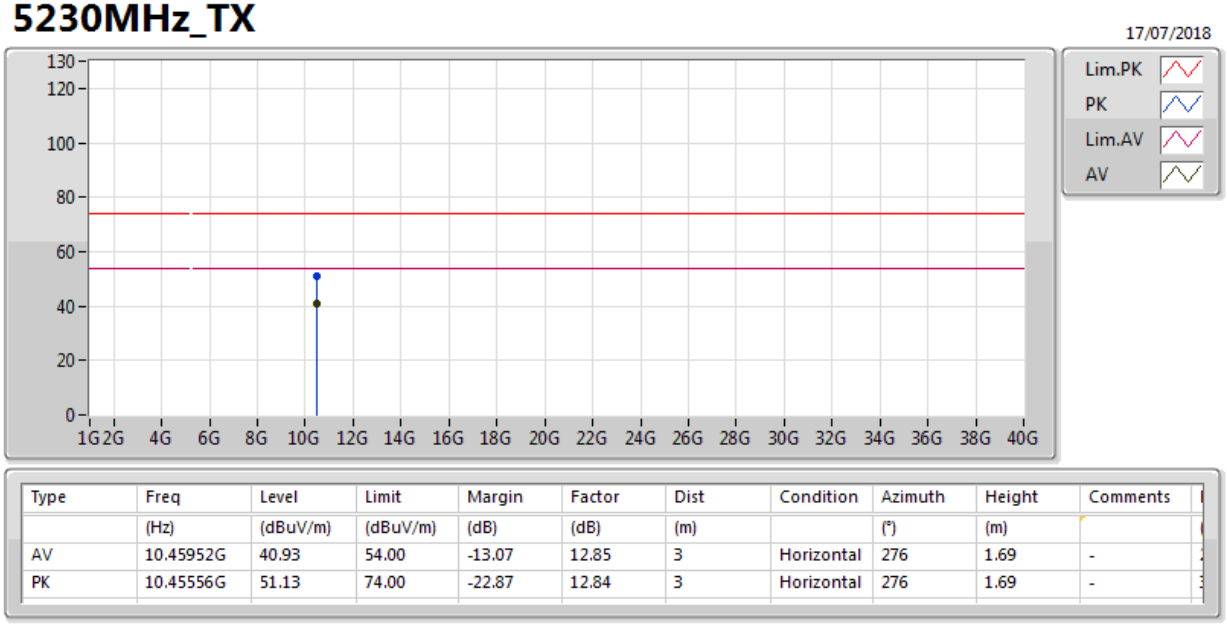
5230MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.46022G	43.48	54.00	-10.52	12.85	3	Vertical	141	1.98	-
PK	10.46176G	54.77	74.00	-19.23	12.86	3	Vertical	141	1.98	-

802.11ac VHT40_Nss1,(MCS0)_4TX

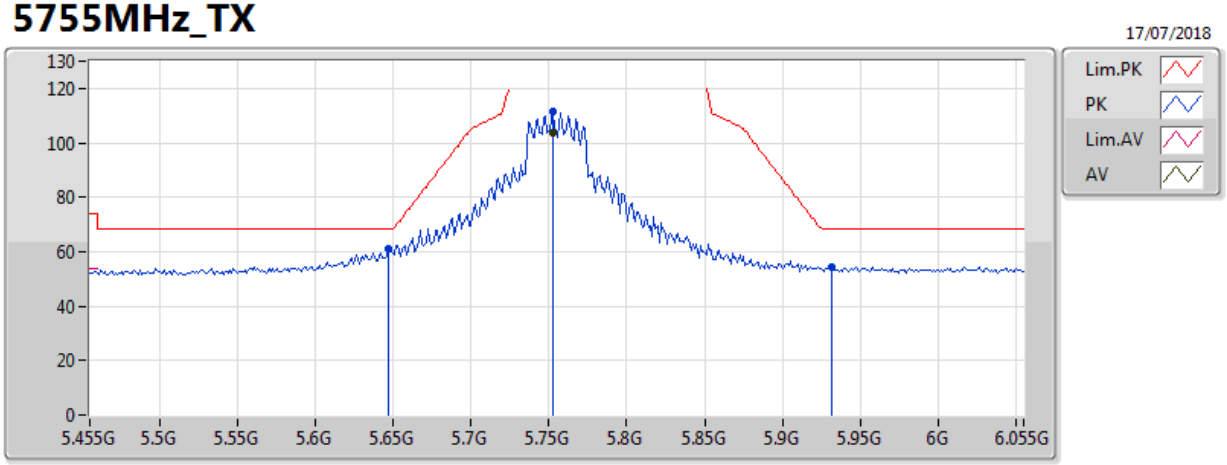
5230MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.45952G	40.93	54.00	-13.07	12.85	3	Horizontal	276	1.69	-
PK	10.45556G	51.13	74.00	-22.87	12.84	3	Horizontal	276	1.69	-

802.11ac VHT40_Nss1,(MCS0)_4TX

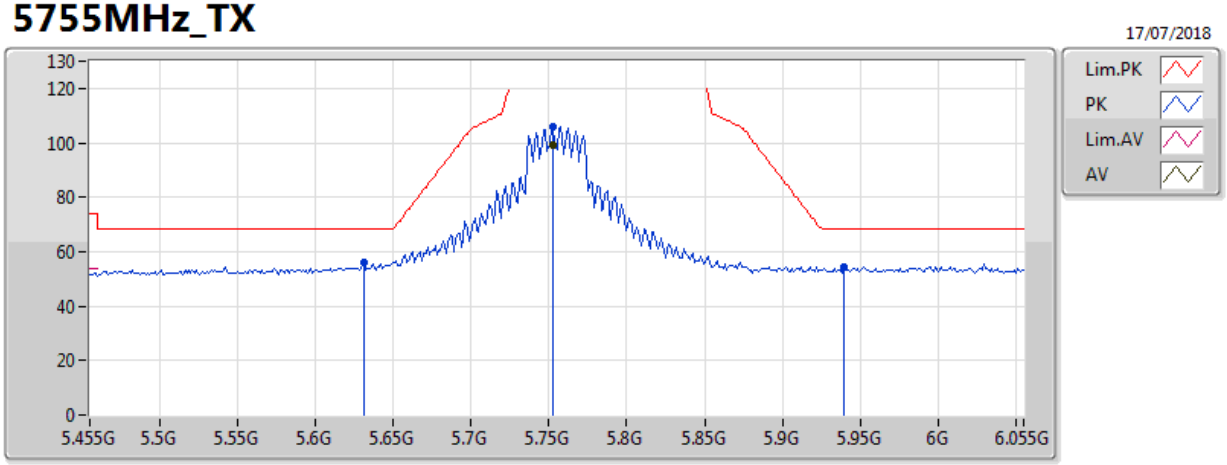
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7526G	103.47	Inf	-Inf	3.64	3	Vertical	141	1.74	-
PK	5.647G	61.32	68.20	-6.88	3.44	3	Vertical	141	1.74	-
PK	5.7526G	111.27	Inf	-Inf	3.64	3	Vertical	141	1.74	-
PK	5.9314G	54.55	68.20	-13.65	3.99	3	Vertical	141	1.74	-

802.11ac VHT40_Nss1,(MCS0)_4TX

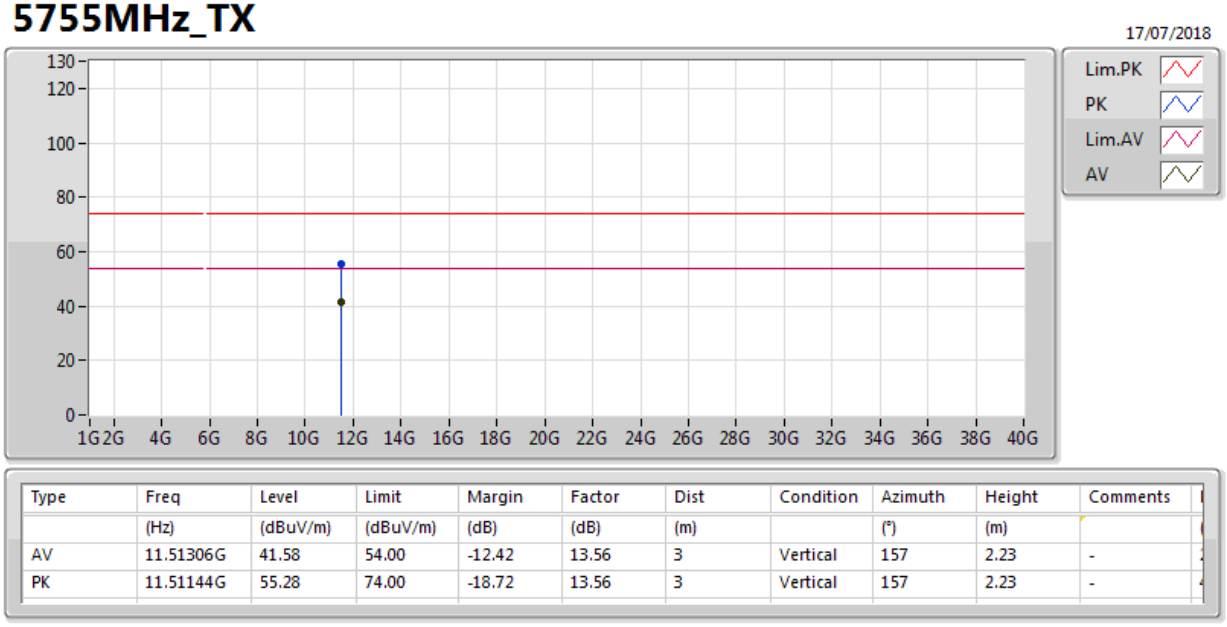
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7526G	99.09	Inf	-Inf	3.64	3	Horizontal	289	1.69	-
PK	5.6314G	56.05	68.20	-12.15	3.40	3	Horizontal	289	1.69	-
PK	5.7526G	106.14	Inf	-Inf	3.64	3	Horizontal	289	1.69	-
PK	5.9398G	54.35	68.20	-13.85	4.02	3	Horizontal	289	1.69	-

802.11ac VHT40_Nss1,(MCS0)_4TX

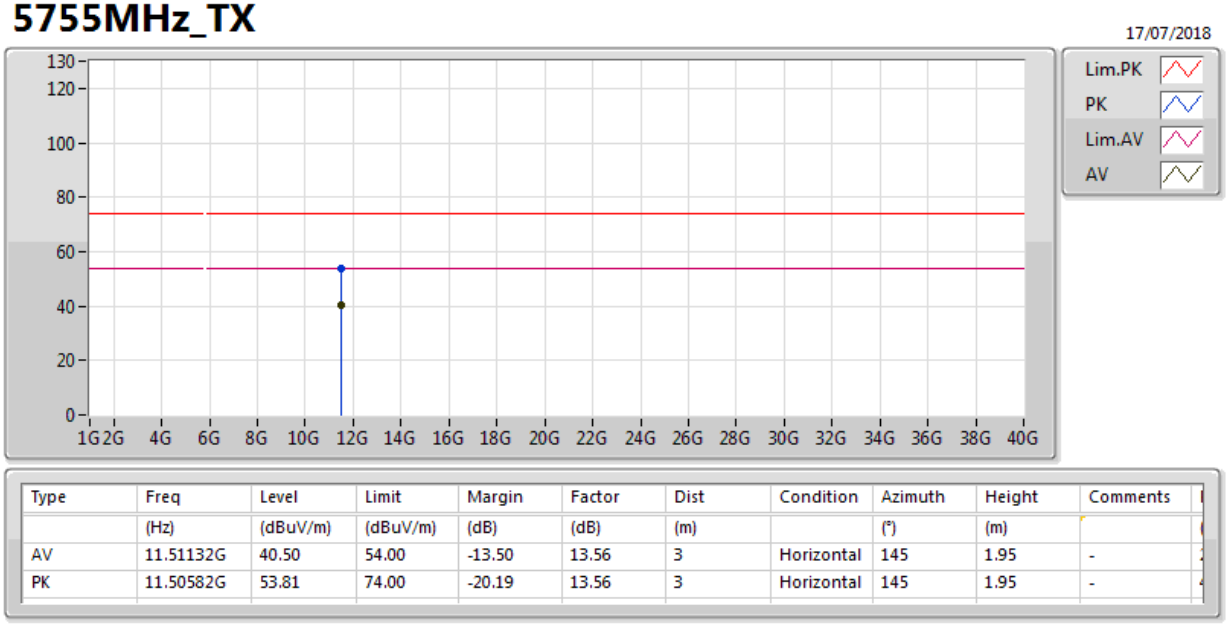
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.51306G	41.58	54.00	-12.42	13.56	3	Vertical	157	2.23	-
PK	11.51144G	55.28	74.00	-18.72	13.56	3	Vertical	157	2.23	-

802.11ac VHT40_Nss1,(MCS0)_4TX

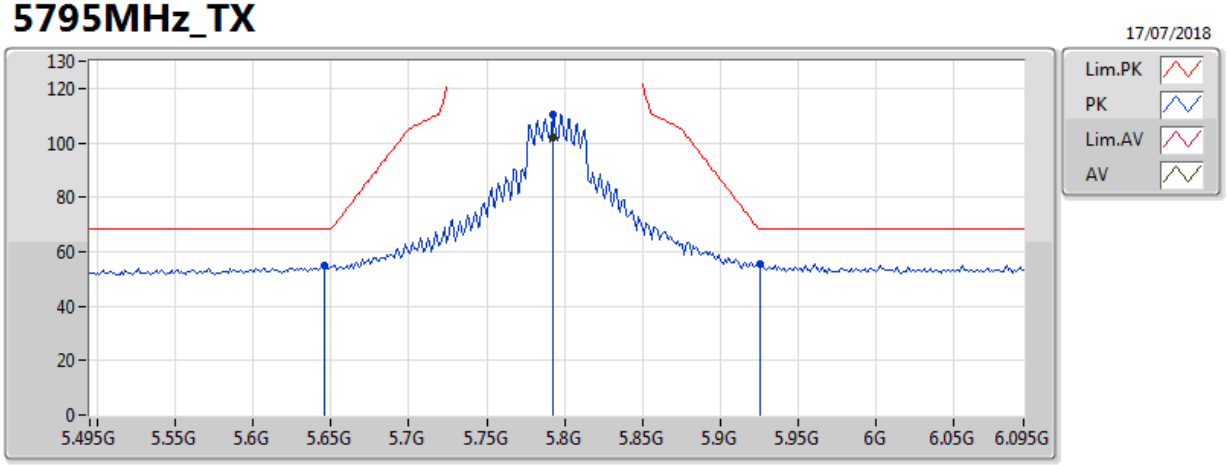
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.51132G	40.50	54.00	-13.50	13.56	3	Horizontal	145	1.95	-
PK	11.50582G	53.81	74.00	-20.19	13.56	3	Horizontal	145	1.95	-

802.11ac VHT40_Nss1,(MCS0)_4TX

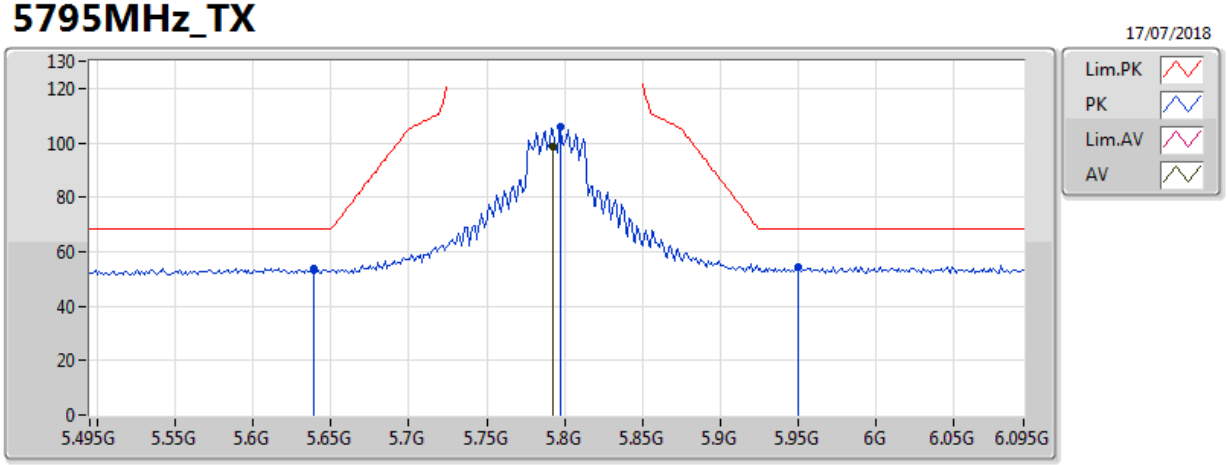
5795MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7926G	102.21	Inf	-Inf	3.72	3	Vertical	129	1.71	-
PK	5.6462G	55.19	68.20	-13.01	3.43	3	Vertical	129	1.71	-
PK	5.7926G	110.23	Inf	-Inf	3.72	3	Vertical	129	1.71	-
PK	5.9258G	55.62	68.20	-12.58	3.99	3	Vertical	129	1.71	-

802.11ac VHT40_Nss1,(MCS0)_4TX

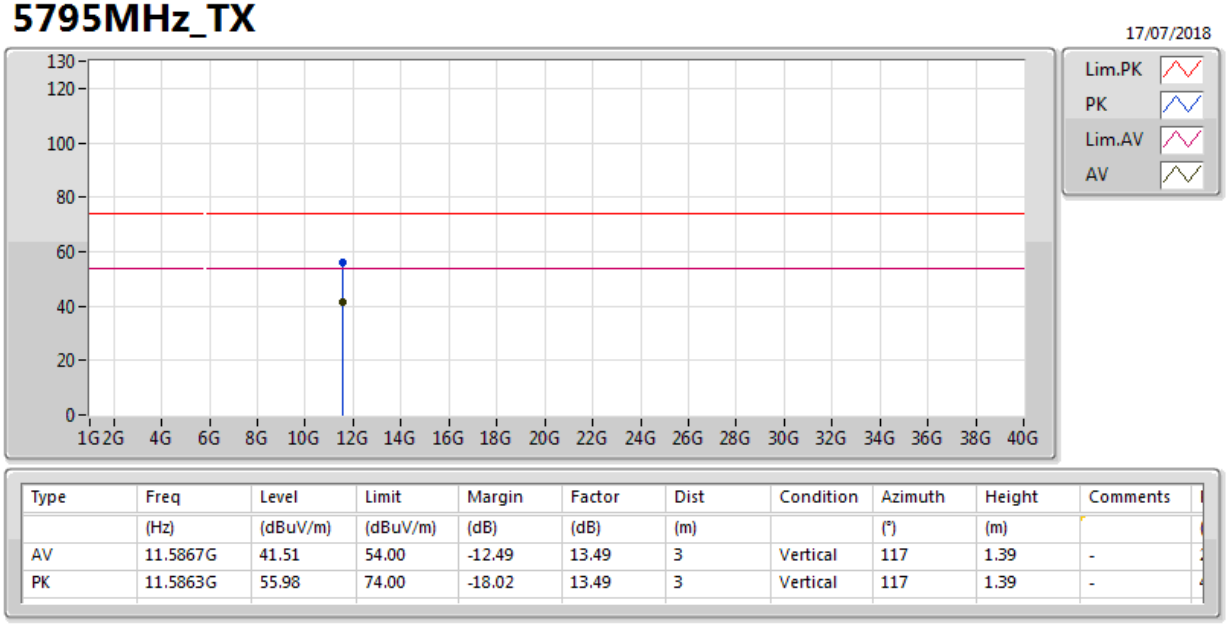
5795MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7926G	98.36	Inf	-Inf	3.72	3	Horizontal	65	1.50	-
PK	5.639G	54.01	68.20	-14.19	3.42	3	Horizontal	65	1.50	-
PK	5.7974G	106.00	Inf	-Inf	3.73	3	Horizontal	65	1.50	-
PK	5.9498G	54.38	68.20	-13.82	4.03	3	Horizontal	65	1.50	-

802.11ac VHT40_Nss1,(MCS0)_4TX

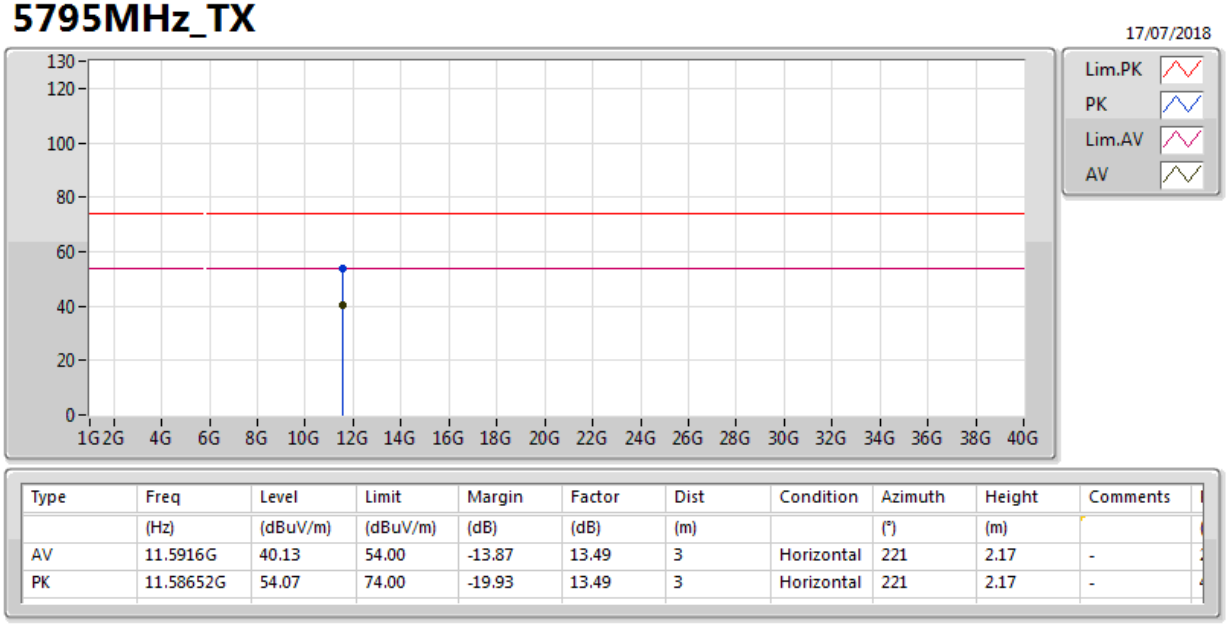
5795MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.5867G	41.51	54.00	-12.49	13.49	3	Vertical	117	1.39	-
PK	11.5863G	55.98	74.00	-18.02	13.49	3	Vertical	117	1.39	-

802.11ac VHT40_Nss1,(MCS0)_4TX

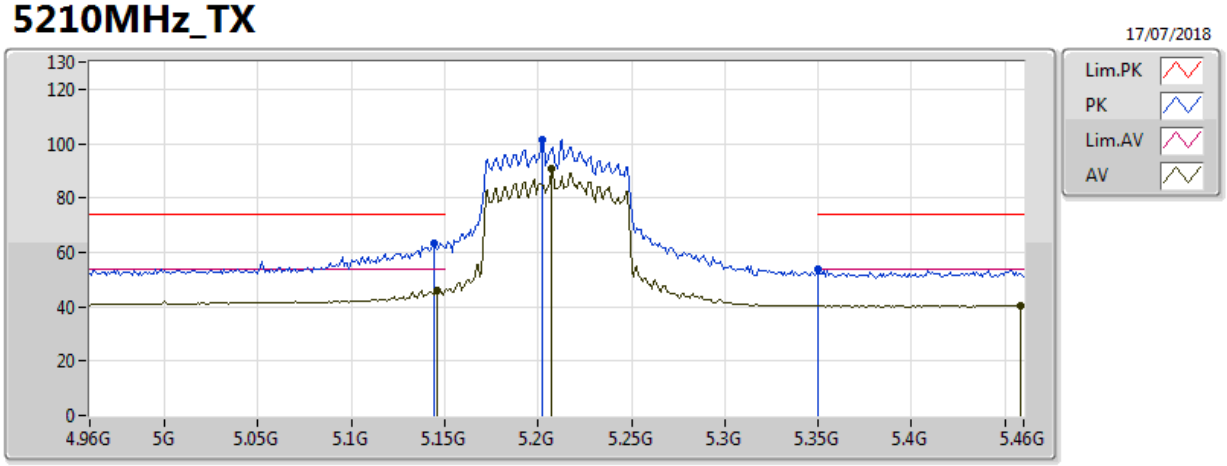
5795MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.5916G	40.13	54.00	-13.87	13.49	3	Horizontal	221	2.17	-
PK	11.58652G	54.07	74.00	-19.93	13.49	3	Horizontal	221	2.17	-

802.11ac VHT80_Nss1,(MCS0)_4TX

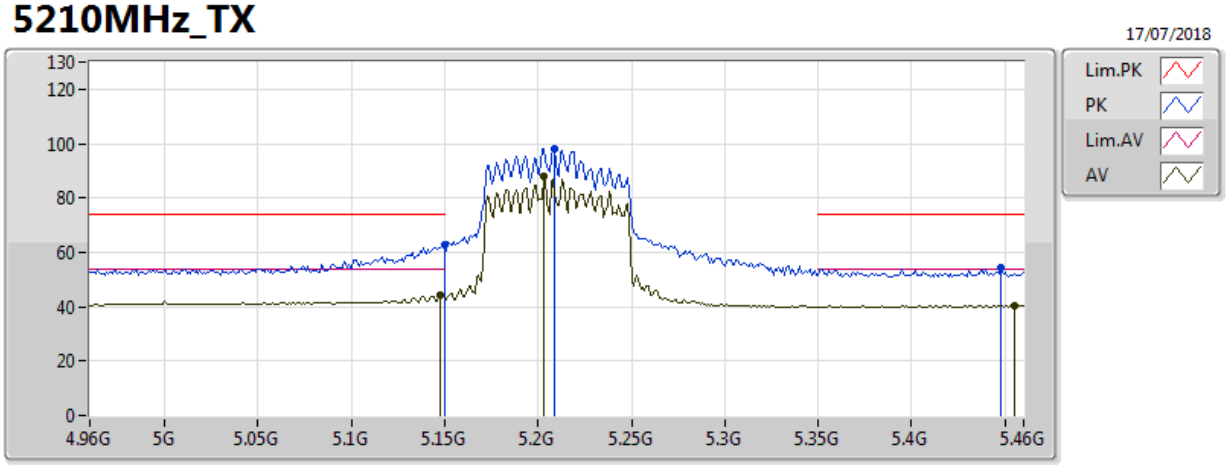
5210MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.146G	45.94	54.00	-8.06	2.74	3	Vertical	23	2.37	-
AV	5.207G	90.70	Inf	-Inf	2.81	3	Vertical	23	2.37	-
AV	5.458G	40.39	54.00	-13.61	3.09	3	Vertical	23	2.37	-
PK	5.144G	63.58	74.00	-10.42	2.74	3	Vertical	23	2.37	-
PK	5.202G	101.56	Inf	-Inf	2.80	3	Vertical	23	2.37	-
PK	5.350005G	54.06	74.00	-19.94	2.97	3	Vertical	23	2.37	-

802.11ac VHT80_Nss1,(MCS0)_4TX

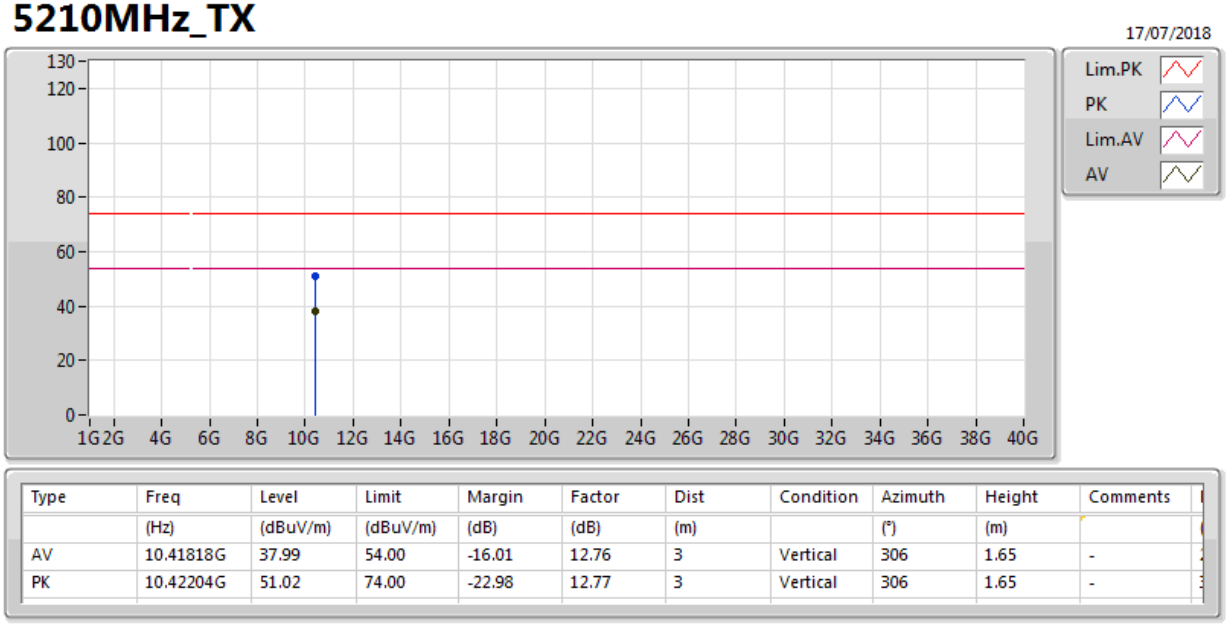
5210MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.148G	44.36	54.00	-9.64	2.74	3	Horizontal	312	2.49	-
AV	5.203G	87.85	Inf	-Inf	2.80	3	Horizontal	312	2.49	-
AV	5.455G	40.26	54.00	-13.74	3.09	3	Horizontal	312	2.49	-
PK	5.149995G	63.01	74.00	-10.99	2.74	3	Horizontal	312	2.49	-
PK	5.209G	98.20	Inf	-Inf	2.81	3	Horizontal	312	2.49	-
PK	5.448G	54.17	74.00	-19.83	3.08	3	Horizontal	312	2.49	-

802.11ac VHT80_Nss1,(MCS0)_4TX

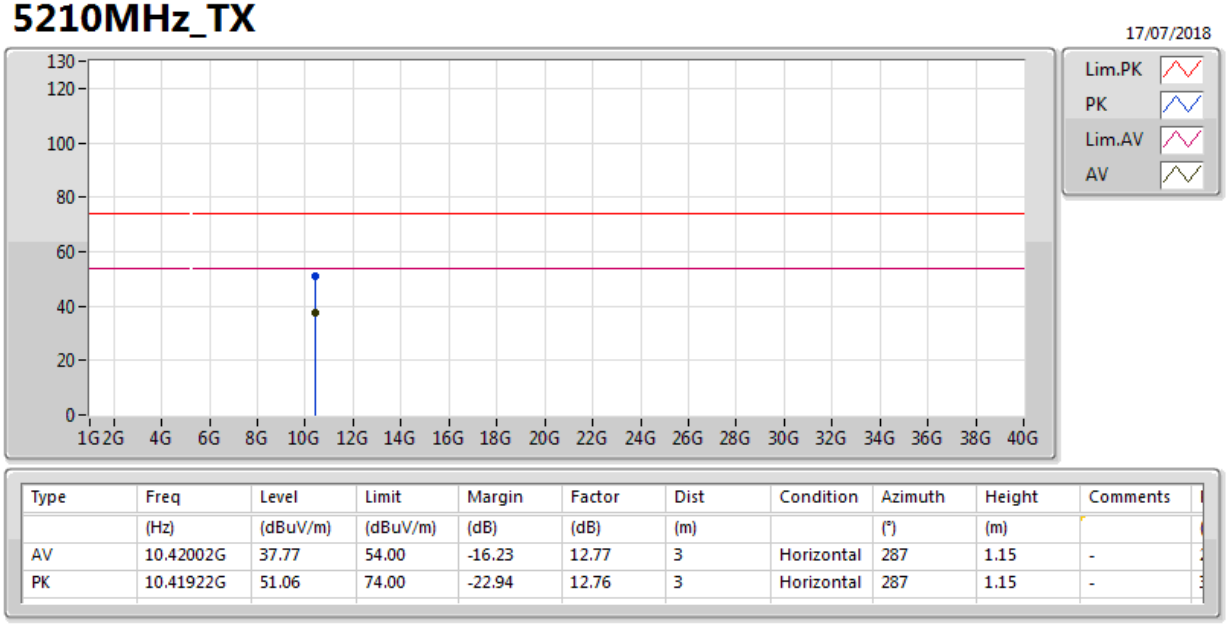
5210MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.41818G	37.99	54.00	-16.01	12.76	3	Vertical	306	1.65	-
PK	10.42204G	51.02	74.00	-22.98	12.77	3	Vertical	306	1.65	-

802.11ac VHT80_Nss1,(MCS0)_4TX

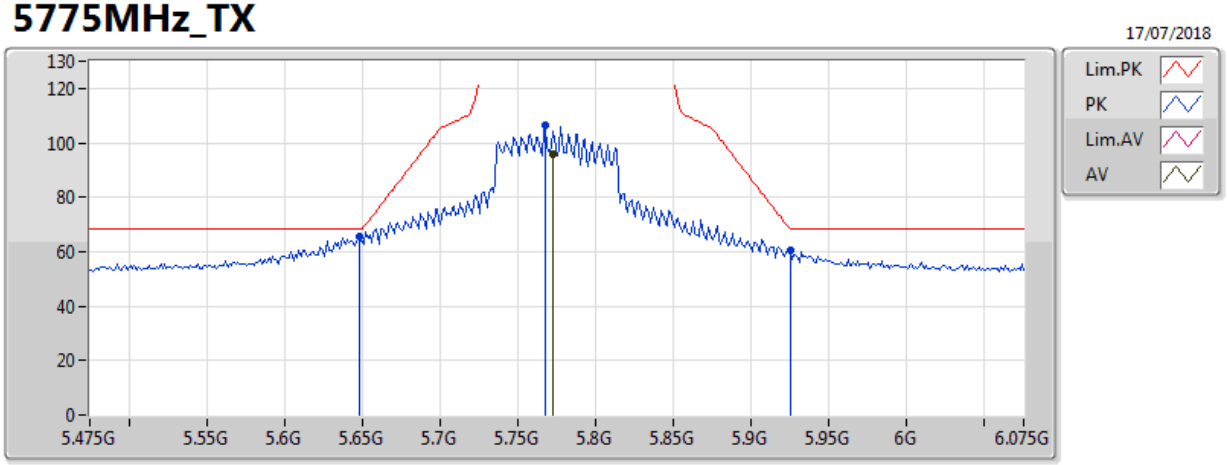
5210MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.42002G	37.77	54.00	-16.23	12.77	3	Horizontal	287	1.15	-
PK	10.41922G	51.06	74.00	-22.94	12.76	3	Horizontal	287	1.15	-

802.11ac VHT80_Nss1,(MCS0)_4TX

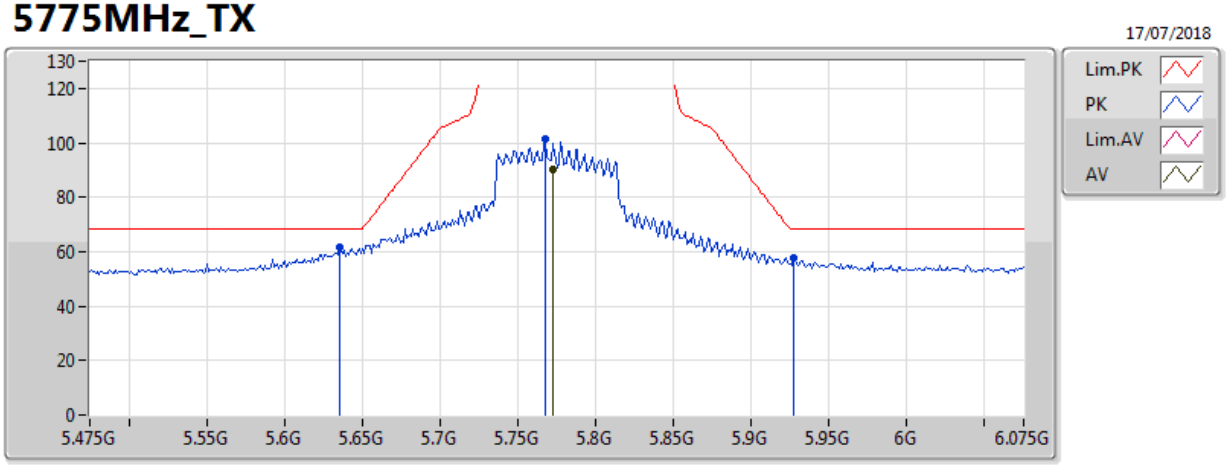
5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7726G	95.69	Inf	-Inf	3.68	3	Vertical	137	1.65	-
PK	5.6478G	65.54	68.20	-2.66	3.44	3	Vertical	137	1.65	-
PK	5.7678G	106.62	Inf	-Inf	3.67	3	Vertical	137	1.65	-
PK	5.925G	60.33	68.20	-7.87	3.98	3	Vertical	137	1.65	-

802.11ac VHT80_Nss1,(MCS0)_4TX

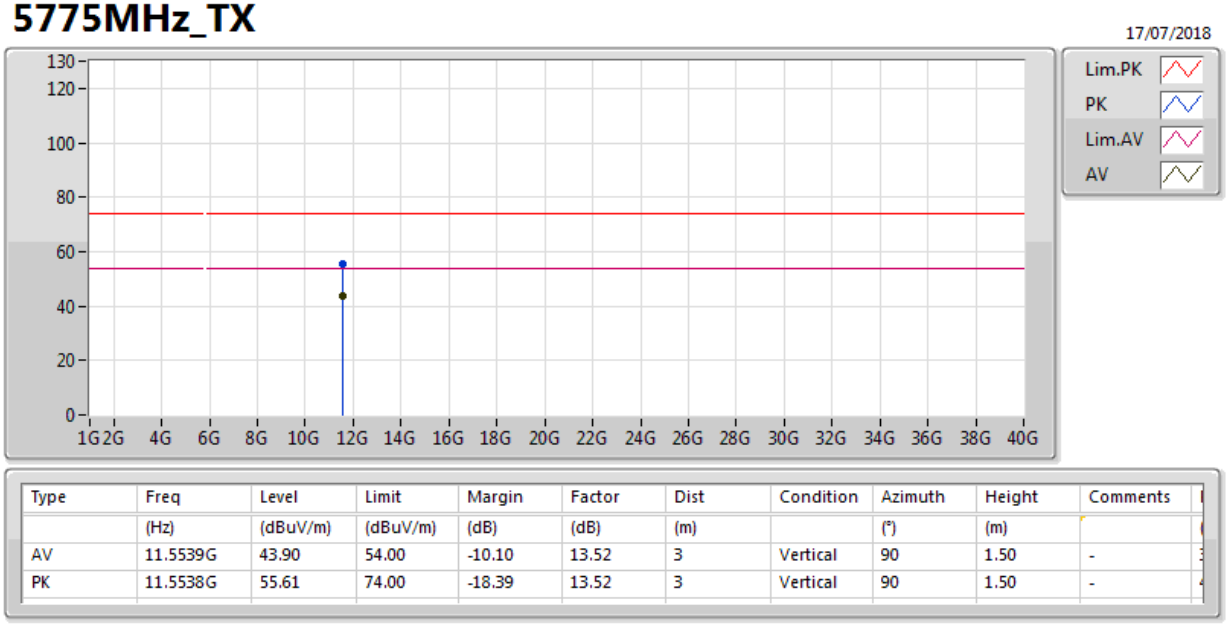
5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7726G	90.37	Inf	-Inf	3.68	3	Horizontal	299	1.64	-
PK	5.6358G	61.57	68.20	-6.63	3.42	3	Horizontal	299	1.64	-
PK	5.7678G	101.68	Inf	-Inf	3.67	3	Horizontal	299	1.64	-
PK	5.9274G	57.91	68.20	-10.29	3.99	3	Horizontal	299	1.64	-

802.11ac VHT80_Nss1,(MCS0)_4TX

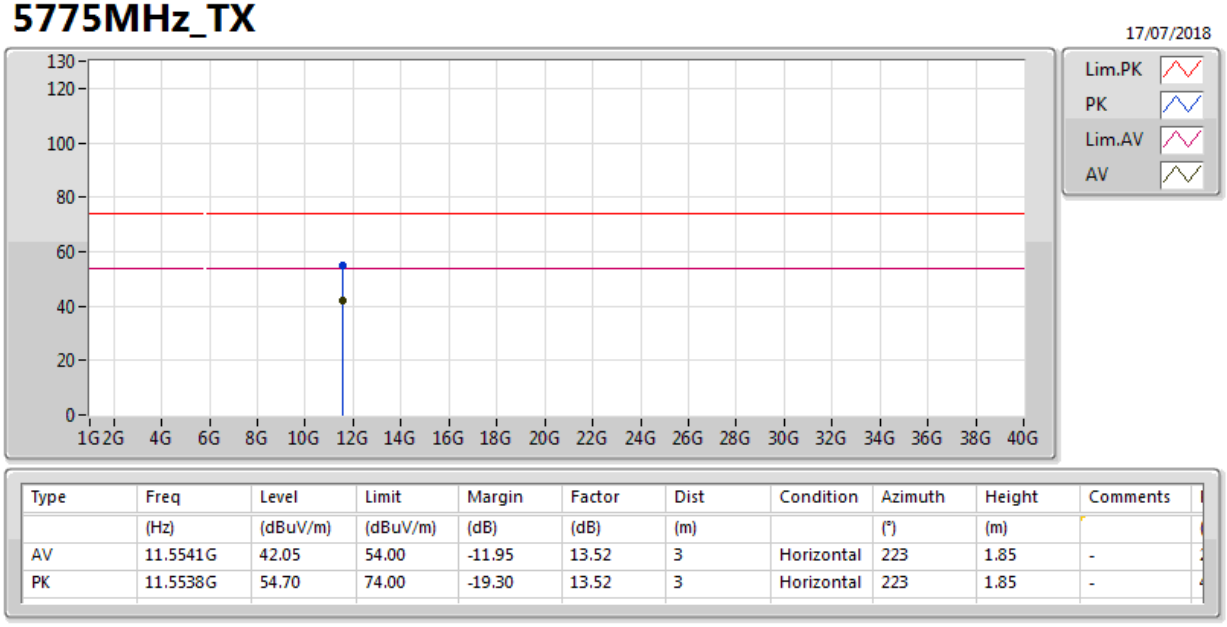
5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.5539G	43.90	54.00	-10.10	13.52	3	Vertical	90	1.50	-
PK	11.5538G	55.61	74.00	-18.39	13.52	3	Vertical	90	1.50	-

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

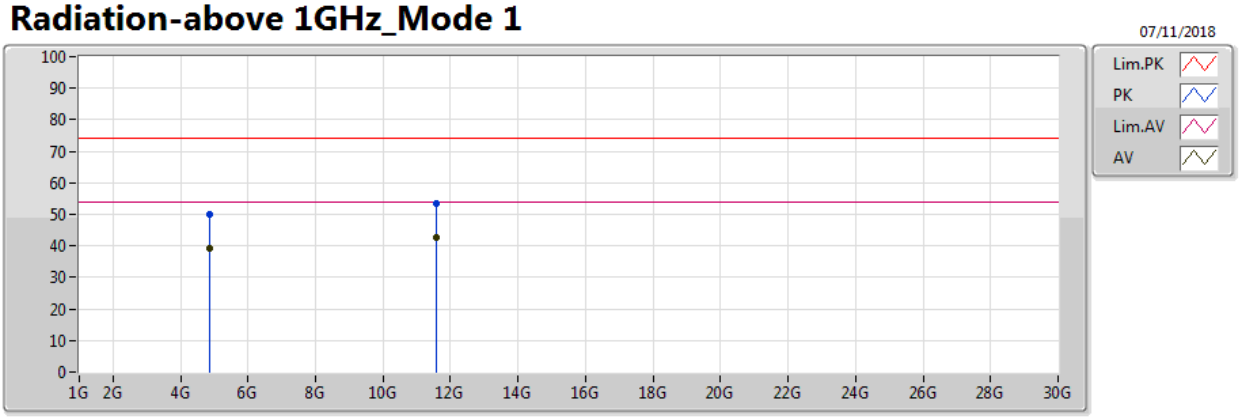


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.5541G	42.05	54.00	-11.95	13.52	3	Horizontal	223	1.85	-
PK	11.5538G	54.70	74.00	-19.30	13.52	3	Horizontal	223	1.85	-

Summary

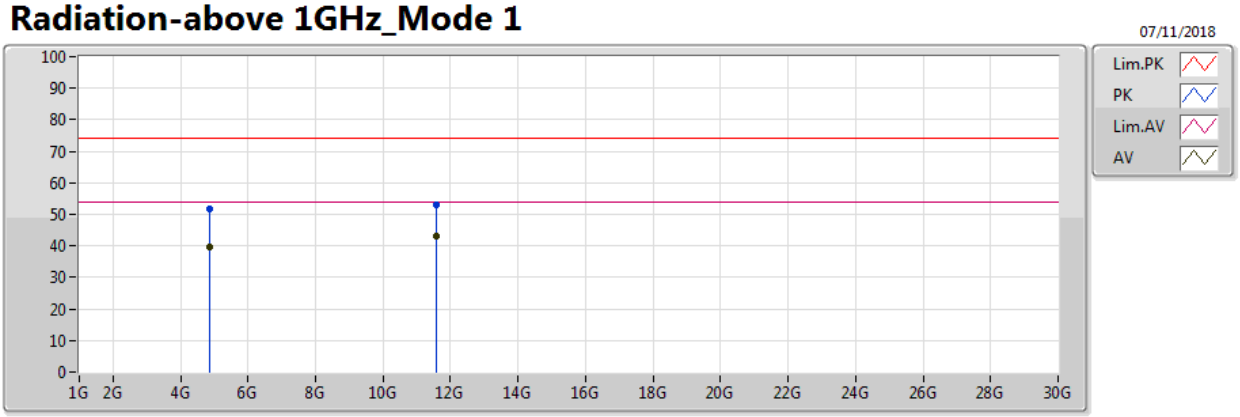
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	11.5957G	43.62	54.00	-10.38	15.77	3	Vertical	358	2.34	-

Radiation-above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87464G	39.35	54.00	-14.65	3.50	3	Vertical	258	1.63	-
AV	11.5963G	42.86	54.00	-11.14	14.71	3	Vertical	125	1.72	-
PK	4.87467G	49.97	74.00	-24.03	3.50	3	Vertical	258	1.63	-
PK	11.5966G	53.43	74.00	-20.57	14.71	3	Vertical	125	1.72	-

Radiation-above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87215G	39.45	54.00	-14.55	6.00	3	Horizontal	165	1.48	-
AV	11.5932G	42.89	54.00	-11.11	15.77	3	Horizontal	302	1.82	-
PK	4.87213G	51.54	74.00	-22.46	6.00	3	Horizontal	165	1.48	-
PK	11.5934G	53.22	74.00	-20.78	15.77	3	Horizontal	302	1.82	-