FCC Test Report

FCC ID	:	**L9VPG9182AC**
Equipment	:	**Powerline Ethernet WiFi Adapter, WiFi Powerline**
Brand Name	:	**COMTREND**
Model Name	:	**PG-9182AC, PowerGrid 9082, PG-9082**
Applicant/ Manufacturer	:	**COMTREND Corporation 3F-1, 10 Lane 609, Chung Hsin Road, Section 5, San Chung Dist, New Taipei City 24159, Taiwan**
Factory	:	**1. Intelligent Technology Inc. Yuanhe Three Street , Tongsha Industrial Zone , Dongcheng Area, Dongguan City , Guangdong Province , China. 2. Datamax Electronics (Dong Guan) Co., Ltd. Niu shan Foreign Economic Industrial park, Dong Cheng District, Dong Guan City, Guang Dong , China.**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Feb. 27, 2018, and testing was started from May 14, 2018 and completed on Nov. 27, 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.

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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History of this test report

Report No.	Version	Description	Issued Date
FR822701AN	01	Initial issue of report	Nov. 21, 2018
FR822701AN	02	Unwanted Emissions 9kHz~30MHz was evaluated	Nov. 28, 2018

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.3	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: Jackson Tsai

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	2TX
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	-	9 8P9QPIPF000	PCB antenna	I-PEX
2	-	9 8P9PPIPF000	PCB antenna	I-PEX

Ant.	Port	Gain (dBi)				
		2.4G	5G			
			U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
1	1	2.7	2.15	2.95	278	2.74
2	2	0.91	2.89	2.35	2.17	2.3

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

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

For IEEE 802.11 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 (2TX/2RX)

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

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Power Supply			
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	0.874	0.585	1.4m	1k
802.11ac VHT20	0.866	0.625	1.322m	1k
802.11ac VHT40	0.752	1.238	659.375u	3k
802.11ac VHT80	0.583	2.343	328.125u	10k

1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	Description
COMTREND	PG-9182AC	All the models are identical, the difference model for difference brand served as marketing strategy.
COMTREND	PowerGrid 9082	
COMTREND	PG-9082	

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	Kevin	25°C / 50%	14/May/2018
RF Conducted	TH01-HY	Barry	23.4°C / 65%	26/Jun/2018
Radiated	03CH09-HY	Andy	23.8°C / 57%	30/Jun/2018
Radiated (co-location)	03CH09-HY	Andy	24.3°C / 55%	02/Nov/2018
Radiated (9k~30MHz)	03CH09-HY	Andy	25.2°C / 58%	27/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	DoS

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	14,14
5200MHz	27,27
5240MHz	24,25
5745MHz	38,34
5785MHz	32,28
5825MHz	38,34
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	12,12
5200MHz	22,22
5240MHz	24,24
5745MHz	22,18
5785MHz	24,20
5825MHz	20,16
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	7,7
5230MHz	20,20
5755MHz	30,26
5795MHz	22,18
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	2,2
5775MHz	20,16

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 Power Supply 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 Power Supply 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	CTX
1	WLAN 2.4GHz +WLAN 5GHz
Refer to Sporton Test Report No.: FA822701 for Co-location RF Exposure Evaluation and Appendix F for Radiated Emission Co-location.	

2.4 Accessories and Support Equipment

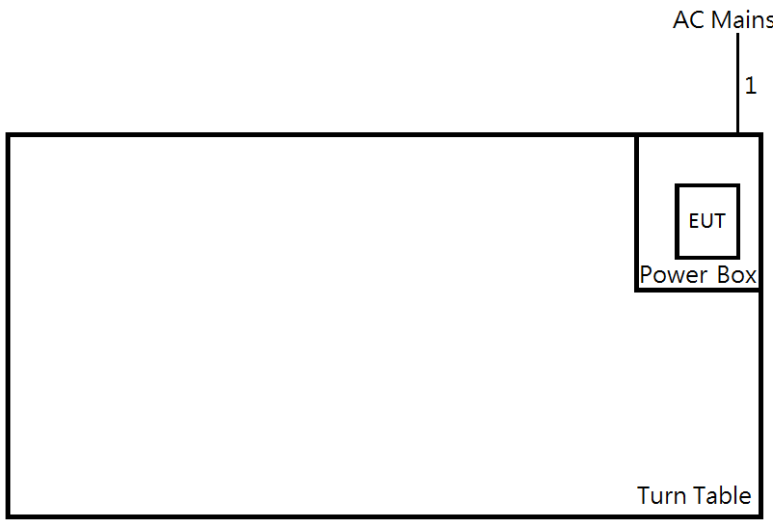
Accessories		
RJ45 Cable	**In/Out door**	In door
	Cable	1.8 meter, Non-Shielded cable

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

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

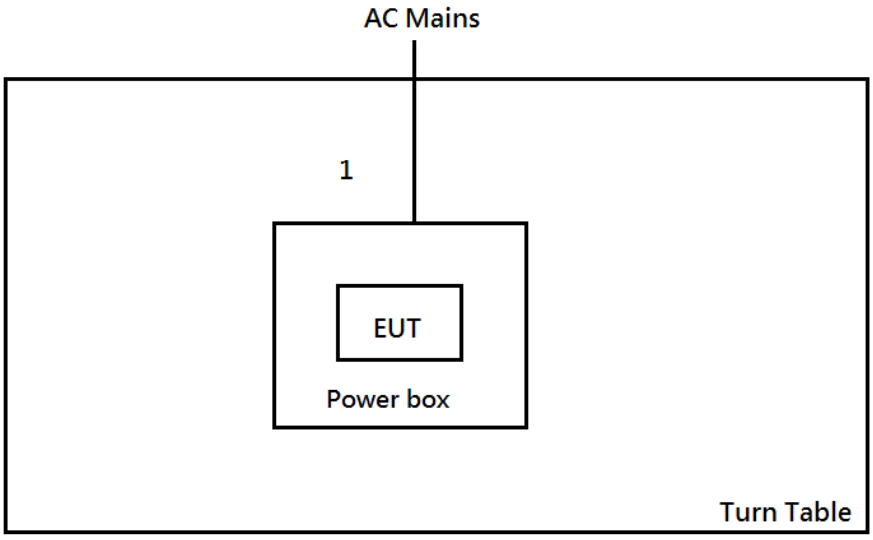
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	AC Power line	No	1.5m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	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

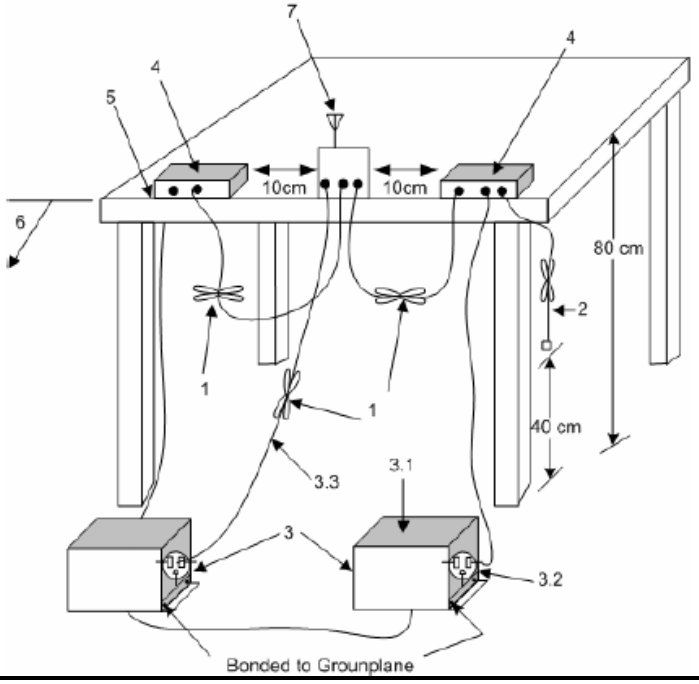
Refer a test equipment and calibration data table in this test report.

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.

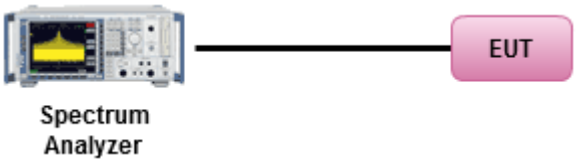
3.2.2 Measuring Instruments

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.	

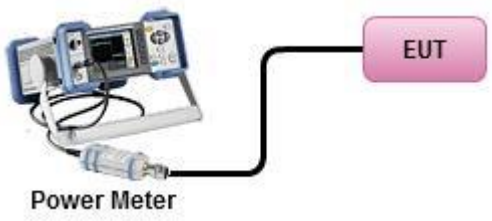
3.3.2 Measuring Instruments

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.	

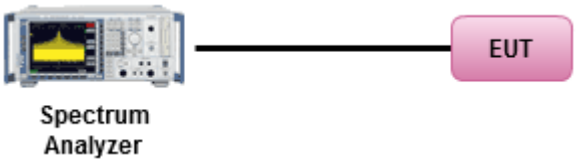
3.4.2 Measuring Instruments

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).	

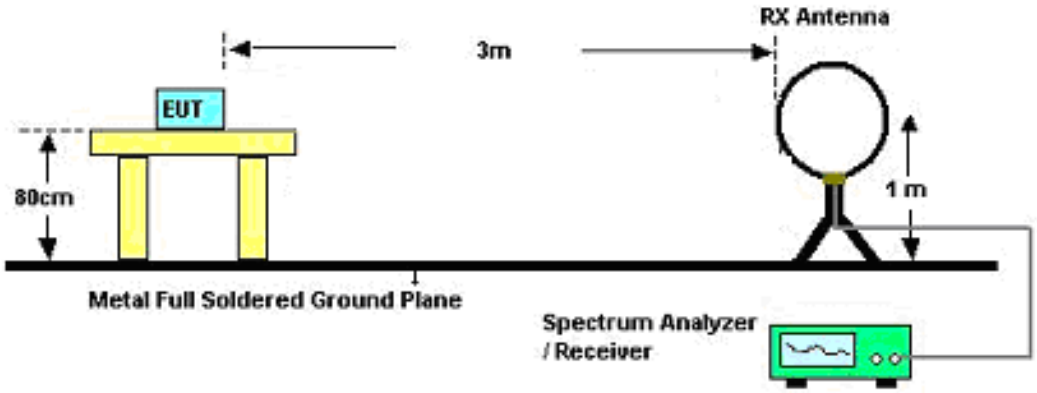
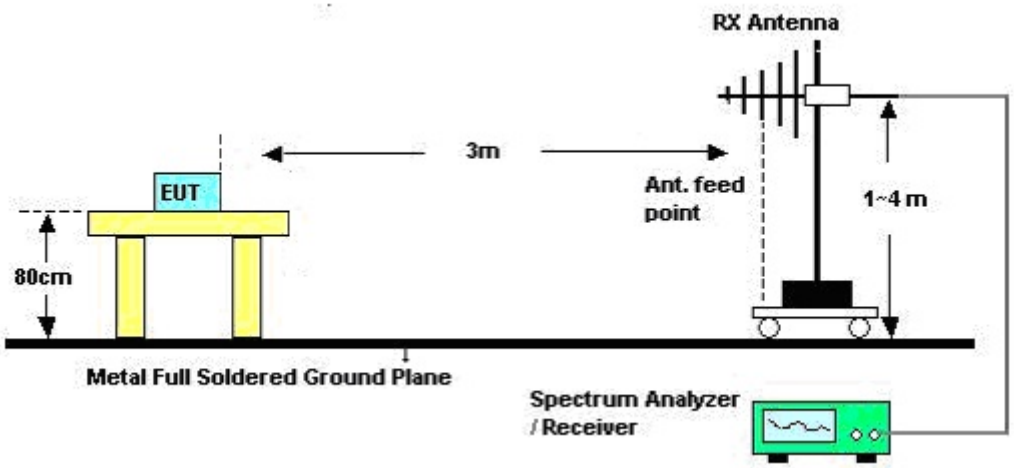
3.5.2 Measuring Instruments

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

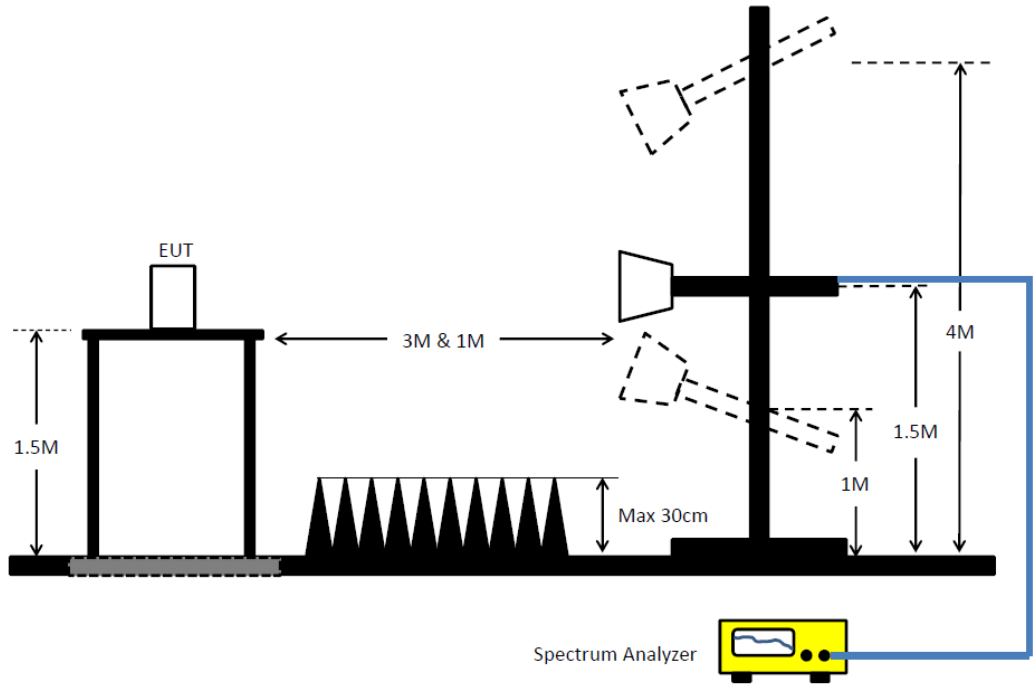
3.5.3 Test Procedures

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 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	ESCS30	838251/003	9KHz ~ 2.75GHz	13/Jun/2017	12/Jun/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	17/Nov/2017	16/Nov/2018
RF Cable-CON	HUBER+SUHNER	RG213/U	0761183202000 1	9kHz ~ 30MHz	06/Oct/2017	05/Oct/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018

NCR : Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	29/Dec/2017	28/Dec/2018
Signal Generator	R&S	SMR40	100116	10MHz~40GHz	27/Jul/2017	26/Jul/2018
Power Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	05/Feb/2018	04/Feb/2019
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz~26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10712/4	30MHz~26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz~26.5GHz	25/Aug/2017	24/Aug/2018

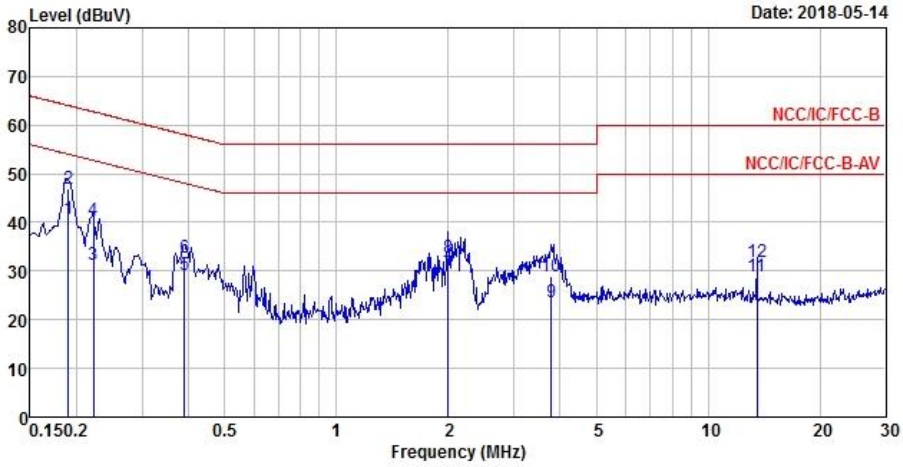
Instrument for Radiated Test (co-location)

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	23/Apr/2018	22/Apr/2019
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	14/Jun/2018	13/Jun/2019
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	10/May/2018	09/May/2019
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	31/Jul/2018	30/Jul/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	30/Apr/2018	29/Apr/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170614	18GHz~40GHz	09/Feb/2018	08/Feb/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	14/Mar/2018	13/Mar/2019

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz	25/Apr/2017	24/Apr/2018
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz	23/Apr/2018	22/Apr/2019
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz	20/Jun/2017	19/Jun/2018
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz	14/Jun/2018	13/Jun/2019
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	10/May/2018	09/May/2019
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	25/Apr/2017	24/Apr/2018
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	27/Apr/2018	26/Apr/2019
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	20/Jul/2017	19/Jul/2018
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	31/Jul/2018	30/Jul/2019
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	09/Sep/2017	08/Sep/2018
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	28/Apr/2017	27/Apr/2018
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	30/Apr/2018	29/Apr/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170614	18GHz~40GHz	09/Feb/2018	08/Feb/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	24/Aug/2017	23/Aug/2018
Loop Antenna	TESEQ	HLA 6120	31244	9k~30MHz	29/Mar/2018	28/Mar/2019
RF Cable-R03m	Jye Bao	RG142	CB031	9kHz~1GHz	01/Feb/2018	31/Jan/2019
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz~40GHz	14/Mar/2018	13/Mar/2019

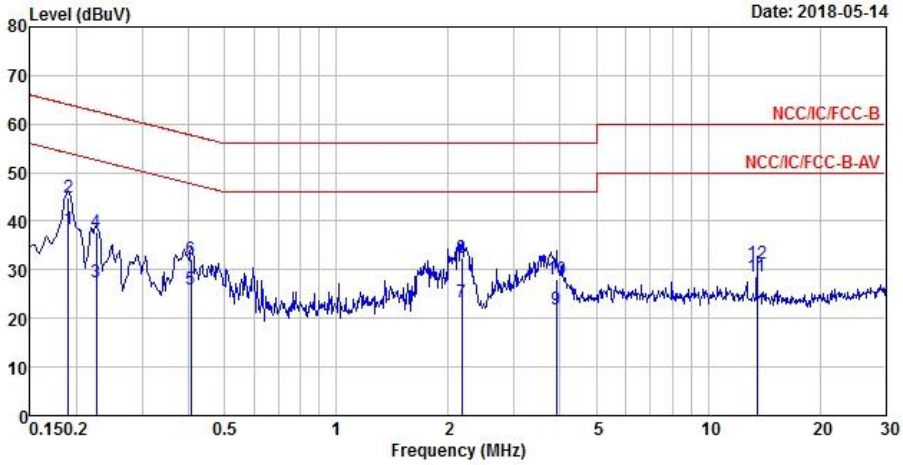
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	AC Power Supply mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 MAX	0.19	40.60	-13.42	54.02	30.97	9.62	0.01	Average
2	0.19	46.89	-17.13	64.02	37.26	9.62	0.01	QP
3	0.22	31.30	-21.44	52.74	21.67	9.62	0.01	Average
4	0.22	40.59	-22.15	62.74	30.96	9.62	0.01	QP
5	0.39	29.08	-19.00	48.08	19.37	9.61	0.10	Average
6	0.39	32.86	-25.22	58.08	23.15	9.61	0.10	QP
7	2.00	29.67	-16.33	46.00	20.04	9.63	0.00	Average
8	2.00	32.91	-23.09	56.00	23.28	9.63	0.00	QP
9	3.78	23.65	-22.35	46.00	13.93	9.64	0.08	Average
10	3.78	28.86	-27.14	56.00	19.14	9.64	0.08	QP
11	13.56	28.89	-21.11	50.00	19.14	9.70	0.05	Average
12	13.56	31.83	-28.17	60.00	22.08	9.70	0.05	QP

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

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



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 MAX	0.19	38.48	-15.54	54.02	28.85	9.62	0.01	Average
2	0.19	44.73	-19.29	64.02	35.10	9.62	0.01	QP
3	0.23	27.54	-25.07	52.61	17.90	9.62	0.02	Average
4	0.23	37.71	-24.90	62.61	28.07	9.62	0.02	QP
5	0.41	25.86	-21.87	47.73	16.15	9.61	0.10	Average
6	0.41	32.14	-25.59	57.73	22.43	9.61	0.10	QP
7	2.18	23.24	-22.76	46.00	13.61	9.62	0.01	Average
8	2.18	32.33	-23.67	56.00	22.70	9.62	0.01	QP
9	3.90	21.86	-24.14	46.00	12.15	9.63	0.08	Average
10	3.90	27.93	-28.07	56.00	18.22	9.63	0.08	QP
11	13.56	28.64	-21.36	50.00	18.95	9.64	0.05	Average
12	13.56	31.31	-28.69	60.00	21.62	9.64	0.05	QP

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	42.6M	23.063M	23M1D1D	19.575M	16.492M
802.11ac VHT20_Nss1,(MCS0)_2TX	44.925M	19.64M	19M6D1D	20.475M	17.641M
802.11ac VHT40_Nss1,(MCS0)_2TX	79.15M	36.482M	36M5D1D	40.4M	35.982M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.4M	75.062M	75M1D1D	81.3M	74.963M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.3M	32.134M	32M1D1D	16.075M	26.512M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.55M	19.94M	19M9D1D	15.425M	17.716M
802.11ac VHT40_Nss1,(MCS0)_2TX	35.1M	59.47M	59M5D1D	34.4M	36.182M
802.11ac VHT80_Nss1,(MCS0)_2TX	73.8M	76.662M	76M7D1D	73.2M	75.362M

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

Result

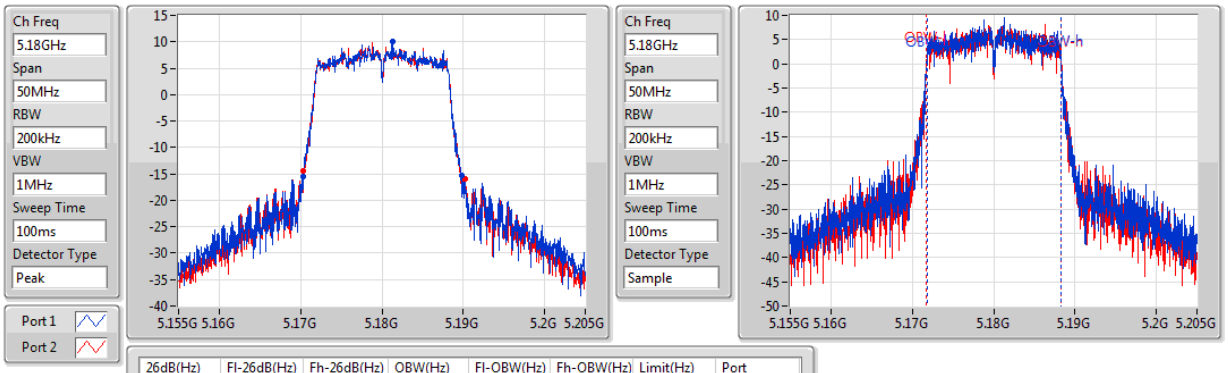
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.575M	16.492M	19.9M	16.542M
5200MHz	Pass	Inf	42.6M	23.063M	39.65M	22.489M
5240MHz	Pass	Inf	36.35M	18.466M	38.05M	18.866M
5745MHz	Pass	500k	16.275M	30.76M	16.3M	31.084M
5785MHz	Pass	500k	16.275M	29.685M	16.275M	26.512M
5825MHz	Pass	500k	16.075M	31.284M	16.3M	32.134M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	26.275M	17.666M	20.475M	17.641M
5200MHz	Pass	Inf	42.4M	18.341M	36.9M	17.716M
5240MHz	Pass	Inf	44.925M	19.64M	39.2M	17.816M
5745MHz	Pass	500k	15.425M	18.291M	16.025M	17.716M
5785MHz	Pass	500k	16.475M	19.94M	16.5M	17.816M
5825MHz	Pass	500k	17.55M	17.891M	17.55M	17.791M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.55M	36.032M	40.4M	35.982M
5230MHz	Pass	Inf	79.15M	36.482M	72.55M	36.182M
5755MHz	Pass	500k	34.4M	59.47M	35.05M	48.626M
5795MHz	Pass	500k	35.1M	36.632M	34.95M	36.182M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.4M	74.963M	81.3M	75.062M
5775MHz	Pass	500k	73.8M	76.662M	73.2M	75.362M

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

802.11a_Nss1,(6Mbps)_2TX — EBW

5180MHz

18/04/2018

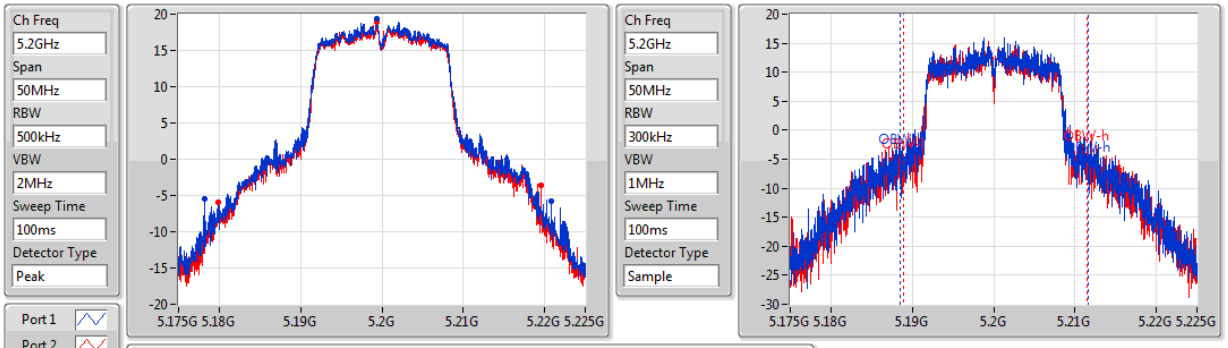


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.575M	5.170275G	5.18985G	16.492M	5.171804G	5.188296G	Inf	1
19.9M	5.1703G	5.1902G	16.542M	5.171779G	5.188321G	Inf	2

802.11a_Nss1,(6Mbps)_2TX — EBW

5200MHz

18/04/2018

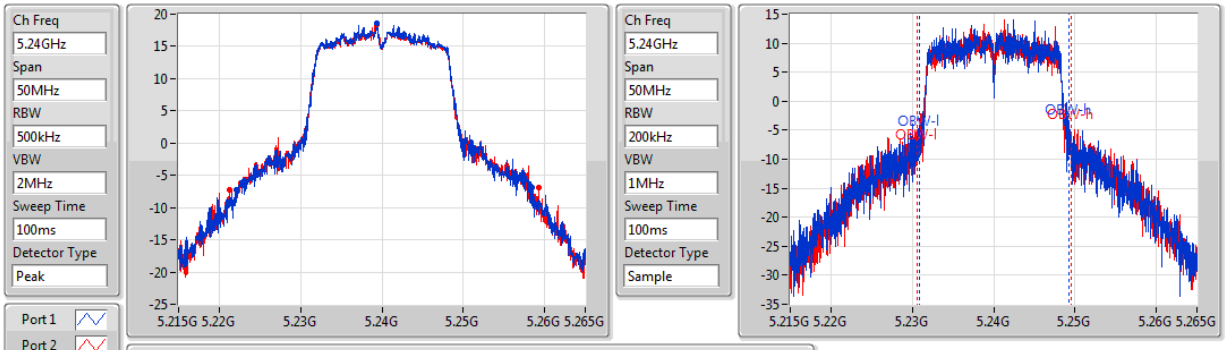


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.6M	5.17825G	5.22085G	23.063M	5.188531G	5.211594G	Inf	1
39.65M	5.179925G	5.219575G	22.489M	5.188956G	5.211444G	Inf	2

802.11a_Nss1,(6Mbps)_2TX — EBW

5240MHz

18/04/2018

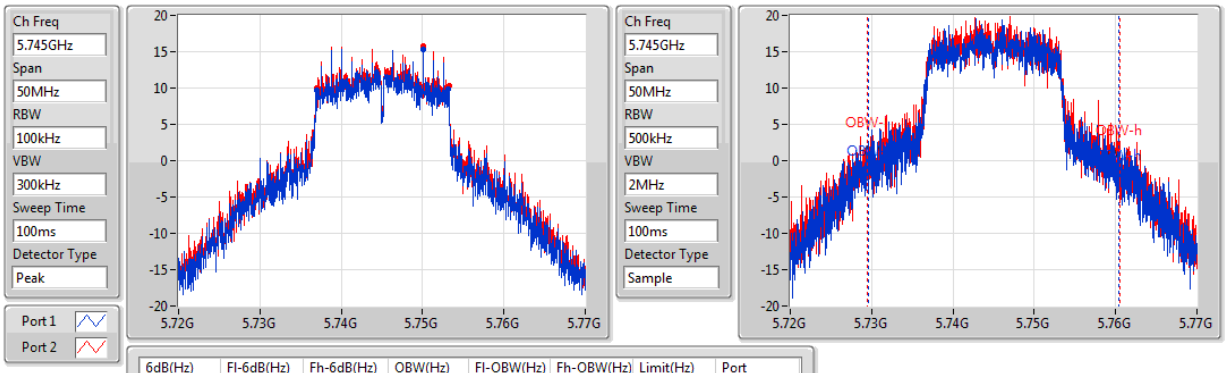


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	5.2221G	5.25845G	18.466M	5.23083G	5.249295G	Inf	1
38.05M	5.221225G	5.259275G	18.866M	5.23063G	5.249495G	Inf	2

802.11a_Nss1,(6Mbps)_2TX — EBW

5745MHz

18/04/2018

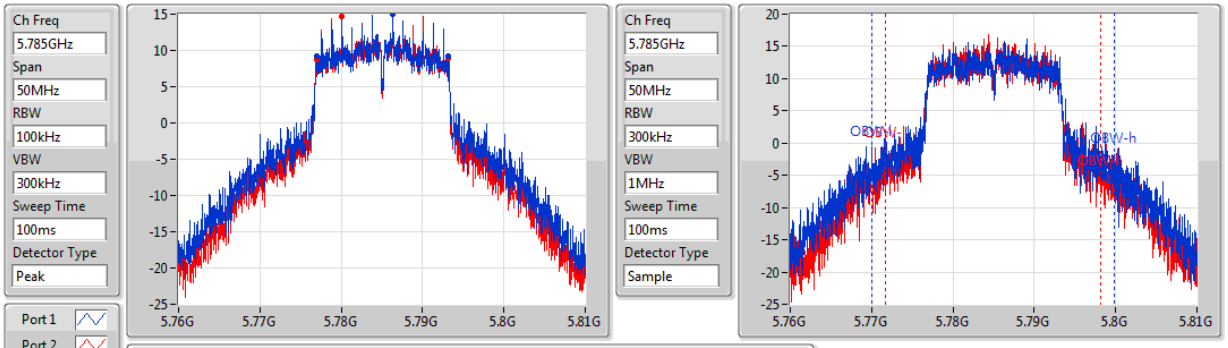


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	5.736925G	5.7532G	30.76M	5.729608G	5.760367G	500k	1
16.3M	5.736925G	5.753225G	31.084M	5.729433G	5.760517G	500k	2

802.11a_Nss1,(6Mbps)_2TX — EBW

5785MHz

18/04/2018

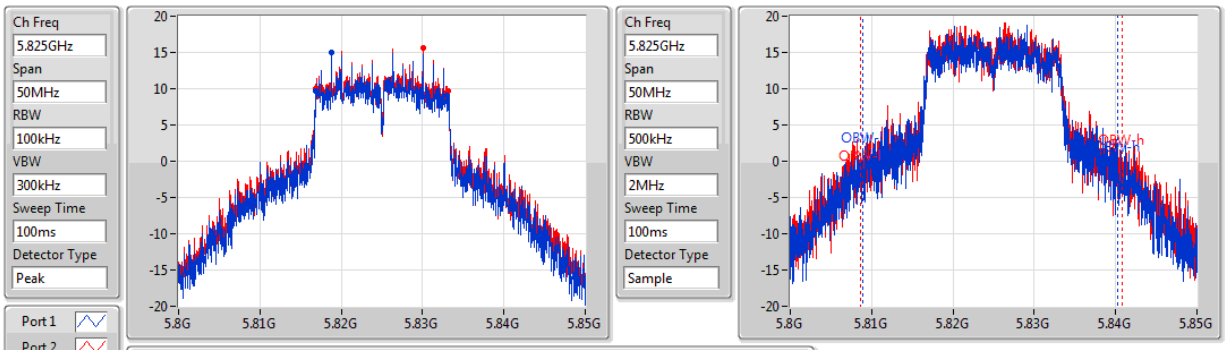


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	5.776925G	5.7932G	29.685M	5.770082G	5.799768G	500k	1
16.275M	5.776925G	5.7932G	26.512M	5.771707G	5.798218G	500k	2

802.11a_Nss1,(6Mbps)_2TX — EBW

5825MHz

18/04/2018



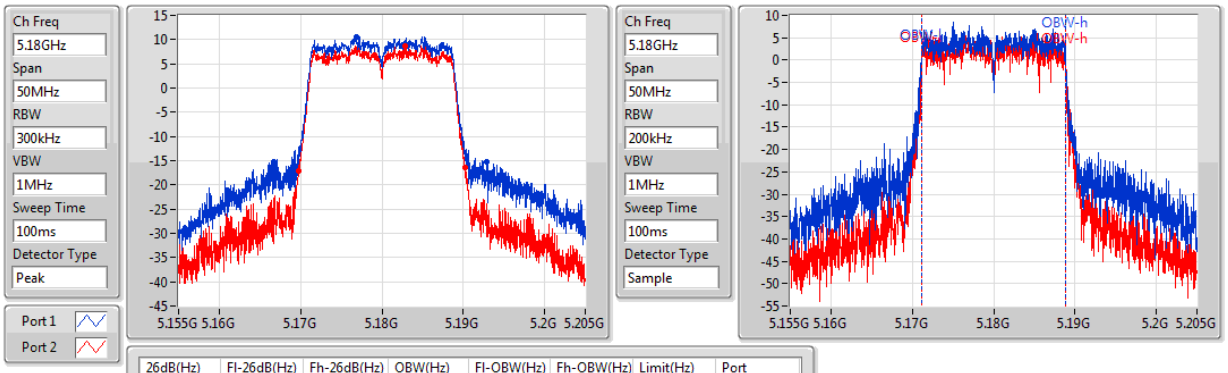
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.075M	5.8169G	5.832975G	31.284M	5.808908G	5.840192G	500k	1
16.3M	5.8169G	5.8332G	32.134M	5.808658G	5.840792G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5180MHz

26/06/2018



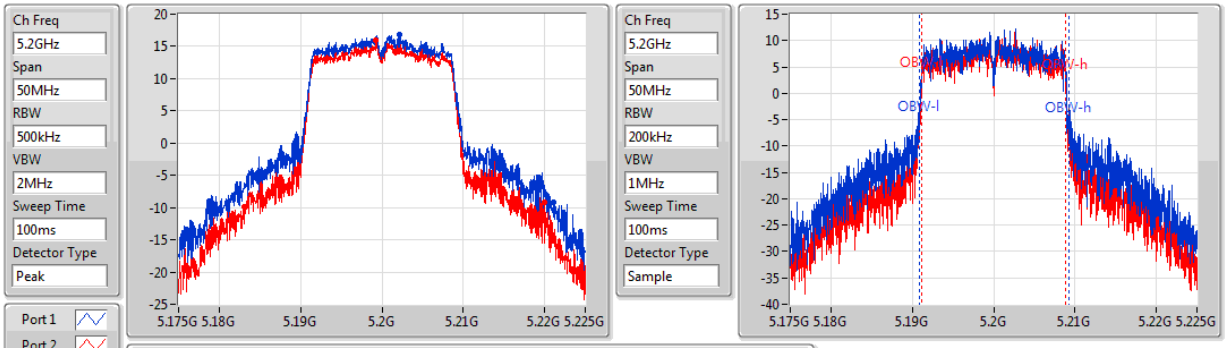
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.275M	5.16665G	5.192925G	17.666M	5.171154G	5.188821G	Inf	1
20.475M	5.169775G	5.19025G	17.641M	5.171179G	5.188821G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5200MHz

26/06/2018



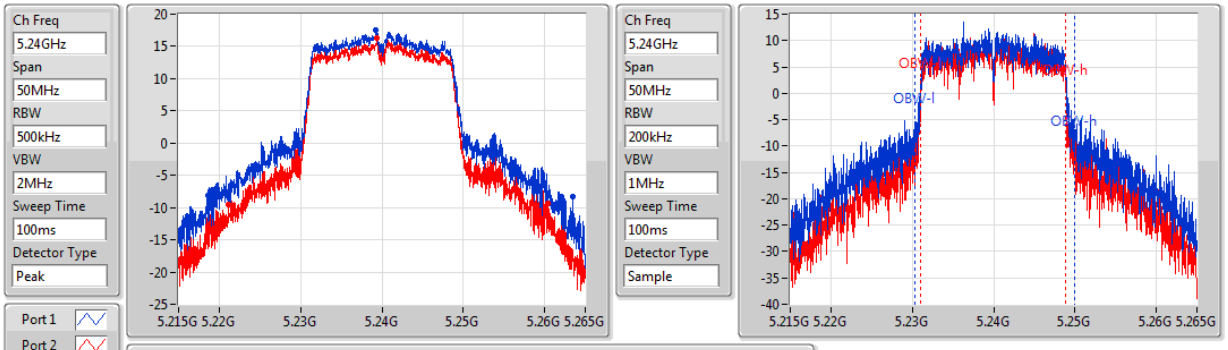
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.4M	5.17875G	5.22115G	18.341M	5.19088G	5.20922G	Inf	1
36.9M	5.1831G	5.22G	17.716M	5.191154G	5.208871G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5240MHz

26/06/2018

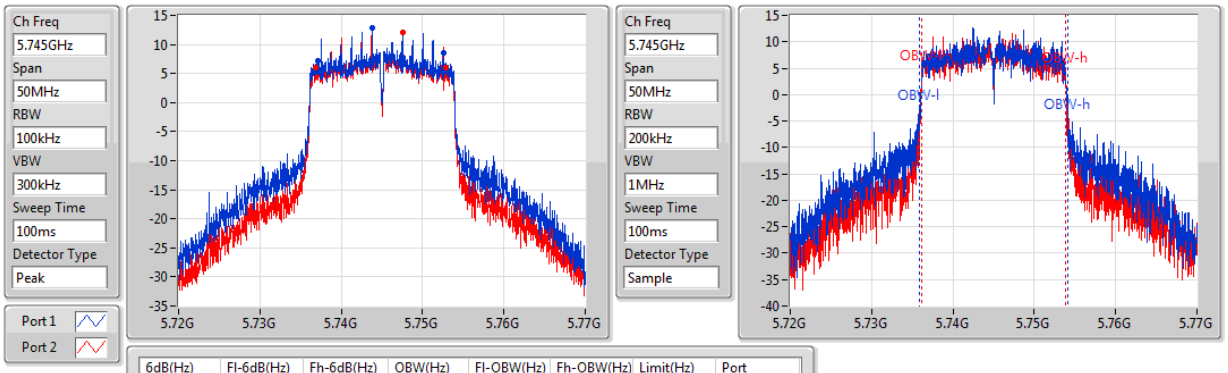


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.925M	5.2186G	5.263525G	19.64M	5.23033G	5.24997G	Inf	1
39.2M	5.22115G	5.26035G	17.816M	5.231079G	5.248896G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

26/06/2018

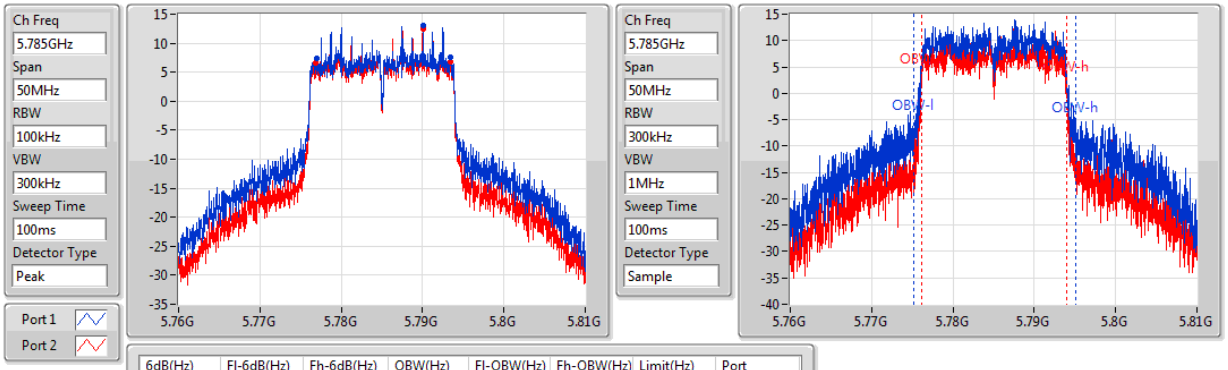


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.425M	5.73715G	5.752575G	18.291M	5.73583G	5.75412G	500k	1
16.025M	5.7369G	5.752925G	17.716M	5.736154G	5.753871G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5785MHz

26/06/2018

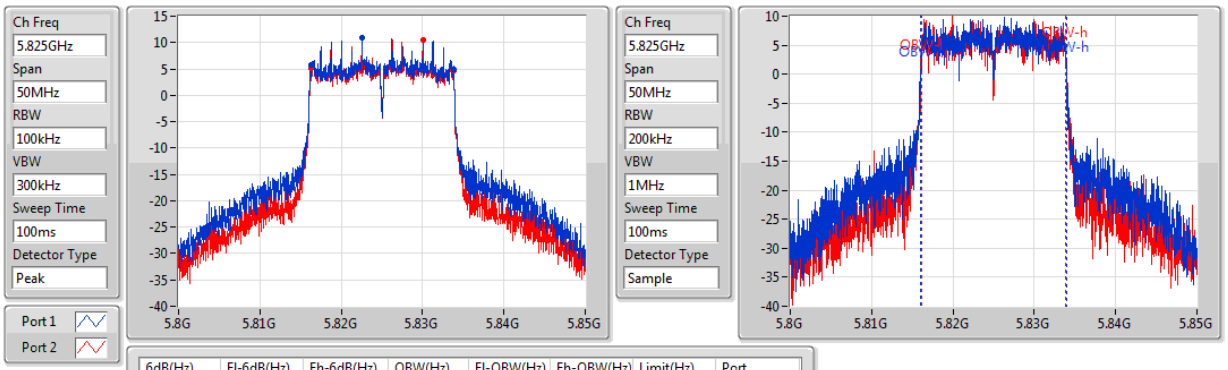


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.475M	5.776925G	5.7934G	19.94M	5.775155G	5.795095G	500k	1
16.5M	5.7769G	5.7934G	17.816M	5.776129G	5.793946G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5825MHz

26/06/2018

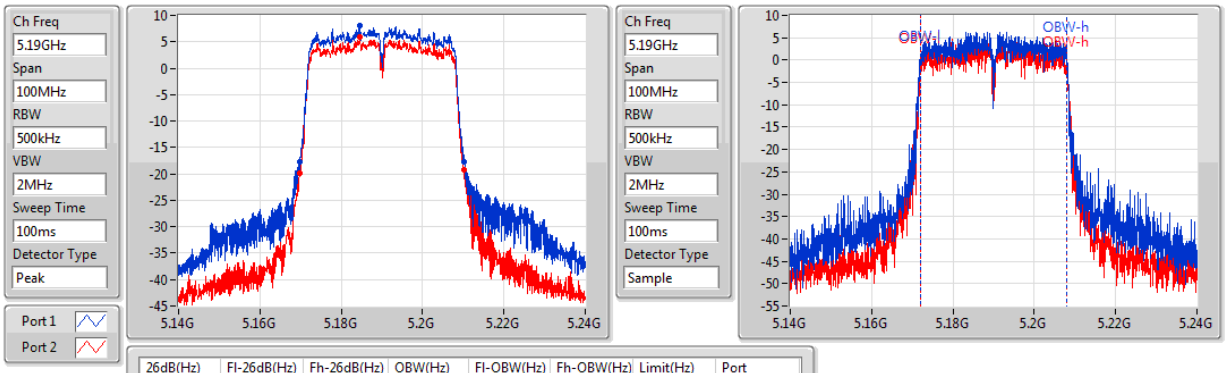


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.81625G	5.8338G	17.891M	5.816054G	5.833946G	500k	1
17.55M	5.81625G	5.8338G	17.791M	5.816104G	5.833896G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5190MHz

26/06/2018

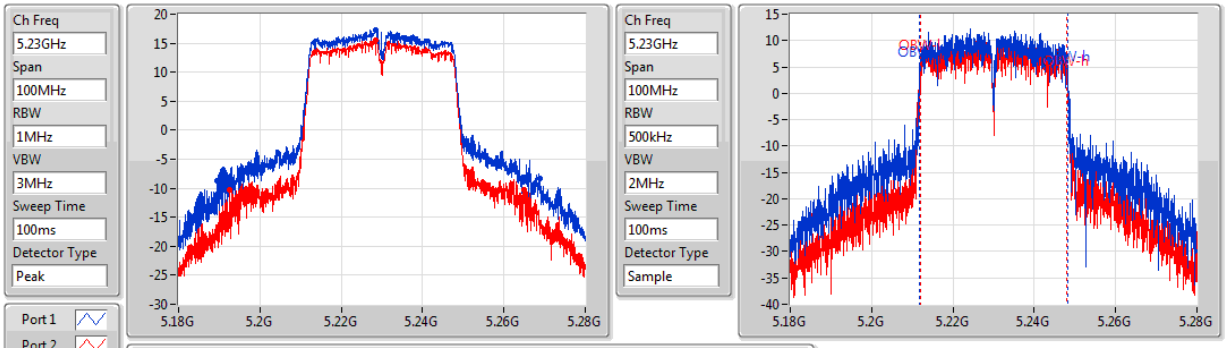


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.55M	5.16975G	5.2103G	36.032M	5.171959G	5.207991G	Inf	1
40.4M	5.1698G	5.2102G	35.982M	5.172009G	5.207991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

26/06/2018

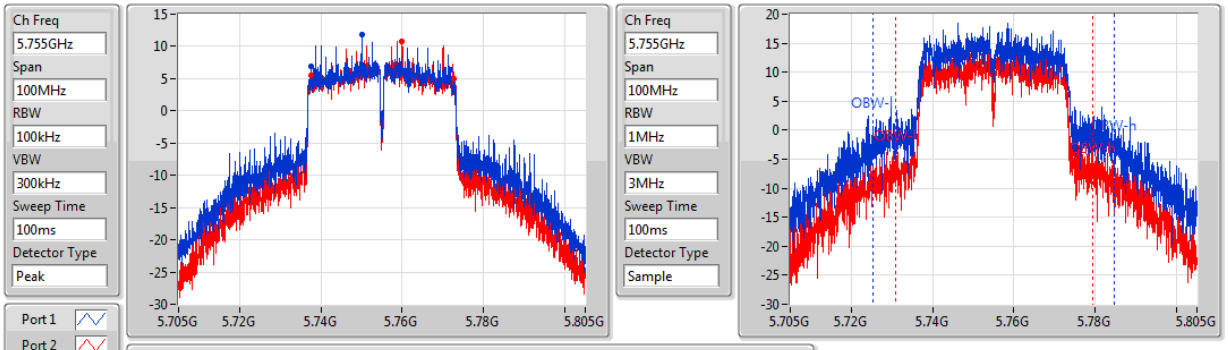


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
79.15M	5.1896G	5.26875G	36.482M	5.211759G	5.248241G	Inf	1
72.55M	5.1925G	5.26505G	36.182M	5.211909G	5.248091G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5755MHz

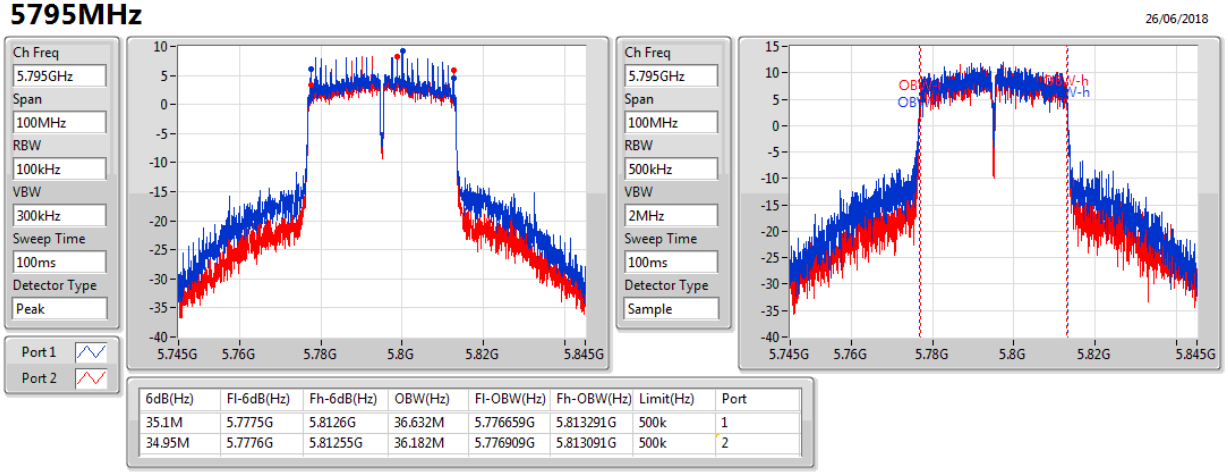
26/06/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.4M	5.7375G	5.7719G	59.47M	5.725215G	5.784685G	500k	1
35.05M	5.7375G	5.77255G	48.626M	5.730862G	5.779488G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

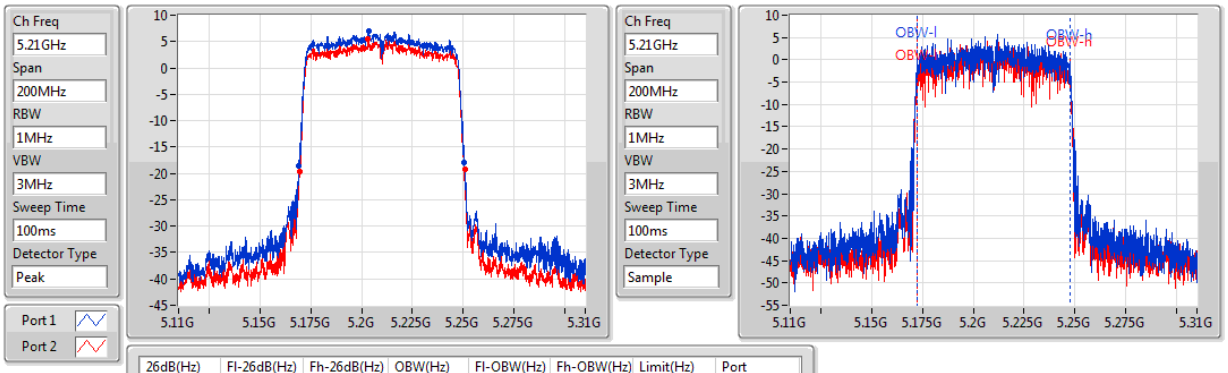
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.1M	5.7775G	5.8126G	36.632M	5.776659G	5.813291G	500k	1
34.95M	5.7776G	5.81255G	36.182M	5.776909G	5.813091G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

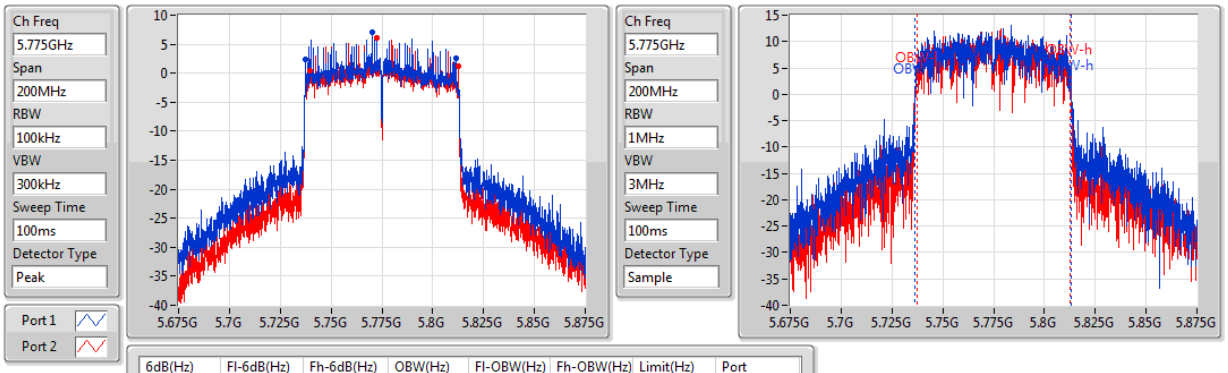
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.4M	5.1692G	5.2506G	74.963M	5.172519G	5.247481G	Inf	1
81.3M	5.1694G	5.2507G	75.062M	5.172419G	5.247481G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.8M	5.7375G	5.8113G	76.662M	5.736519G	5.813181G	500k	1
73.2M	5.7394G	5.8126G	75.362M	5.737119G	5.812481G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	28.12	0.64863	31.01	1.26183
802.11ac VHT20_Nss1,(MCS0)_2TX	26.06	0.40365	28.95	0.78524
802.11ac VHT40_Nss1,(MCS0)_2TX	24.82	0.30339	27.71	0.59020
802.11ac VHT80_Nss1,(MCS0)_2TX	17.13	0.05164	20.02	0.10046
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	29.17	0.82604	31.91	1.55239
802.11ac VHT20_Nss1,(MCS0)_2TX	25.82	0.38194	28.56	0.71779
802.11ac VHT40_Nss1,(MCS0)_2TX	27.72	0.59156	30.46	1.11173
802.11ac VHT80_Nss1,(MCS0)_2TX	24.84	0.30479	27.58	0.57280

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.89	19.76	19.74	22.76	30.00	25.65	36.00
5200MHz	Pass	2.89	25.28	24.94	28.12	30.00	31.01	36.00
5240MHz	Pass	2.89	24.43	24.11	27.28	30.00	30.17	36.00
5745MHz	Pass	2.74	25.75	26.53	29.17	30.00	31.91	36.00
5785MHz	Pass	2.74	25.42	25.44	28.44	30.00	31.18	36.00
5825MHz	Pass	2.74	25.21	26.03	28.65	30.00	31.39	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.89	19.61	17.60	21.73	30.00	24.62	36.00
5200MHz	Pass	2.89	23.20	22.22	25.75	30.00	28.64	36.00
5240MHz	Pass	2.89	23.66	22.35	26.06	30.00	28.95	36.00
5745MHz	Pass	2.74	22.84	22.31	25.59	30.00	28.33	36.00
5785MHz	Pass	2.74	23.09	22.52	25.82	30.00	28.56	36.00
5825MHz	Pass	2.74	21.62	21.16	24.41	30.00	27.15	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.89	17.33	15.37	19.47	30.00	22.36	36.00
5230MHz	Pass	2.89	22.36	21.19	24.82	30.00	27.71	36.00
5755MHz	Pass	2.74	24.77	24.65	27.72	30.00	30.46	36.00
5795MHz	Pass	2.74	22.39	21.88	25.15	30.00	27.89	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.89	14.79	13.32	17.13	30.00	20.02	36.00
5775MHz	Pass	2.74	22.07	21.57	24.84	30.00	27.58	36.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	15.75	21.29
802.11ac VHT20_Nss1,(MCS0)_2TX	13.72	19.26
802.11ac VHT40_Nss1,(MCS0)_2TX	9.60	15.14
802.11ac VHT80_Nss1,(MCS0)_2TX	-0.52	5.02
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	15.35	20.88
802.11ac VHT20_Nss1,(MCS0)_2TX	11.95	17.48
802.11ac VHT40_Nss1,(MCS0)_2TX	10.94	16.47
802.11ac VHT80_Nss1,(MCS0)_2TX	5.89	11.42

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

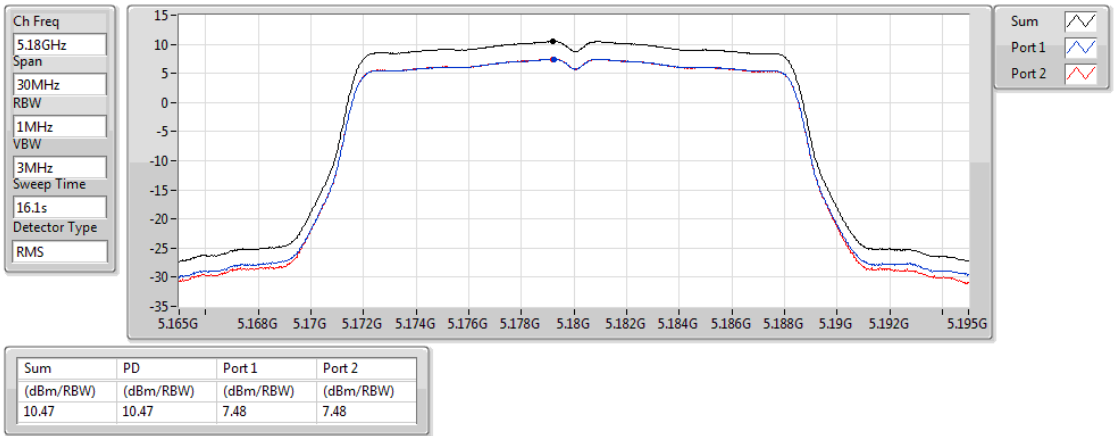
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.54	7.48	7.48	10.47	17.00	16.01	23.00
5200MHz	Pass	5.54	12.93	12.54	15.75	17.00	21.29	23.00
5240MHz	Pass	5.54	11.94	11.80	14.88	17.00	20.42	23.00
5745MHz	Pass	5.53	11.97	12.69	15.35	30.00	20.88	36.00
5785MHz	Pass	5.53	11.55	11.58	14.58	30.00	20.11	36.00
5825MHz	Pass	5.53	11.08	11.89	14.49	30.00	20.02	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.54	6.88	4.94	9.02	17.00	14.56	23.00
5200MHz	Pass	5.54	10.79	9.77	13.30	17.00	18.84	23.00
5240MHz	Pass	5.54	11.29	10.04	13.72	17.00	19.26	23.00
5745MHz	Pass	5.53	9.04	8.55	11.80	30.00	17.33	36.00
5785MHz	Pass	5.53	9.17	8.69	11.95	30.00	17.48	36.00
5825MHz	Pass	5.53	7.46	7.04	10.25	30.00	15.78	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.54	1.97	-0.06	4.07	17.00	9.61	23.00
5230MHz	Pass	5.54	7.14	5.95	9.60	17.00	15.14	23.00
5755MHz	Pass	5.53	7.97	7.96	10.94	30.00	16.47	36.00
5795MHz	Pass	5.53	5.74	5.24	8.50	30.00	14.03	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.54	-2.84	-4.34	-0.52	17.00	5.02	23.00
5775MHz	Pass	5.53	3.16	2.66	5.89	30.00	11.42	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)_2TX PSD

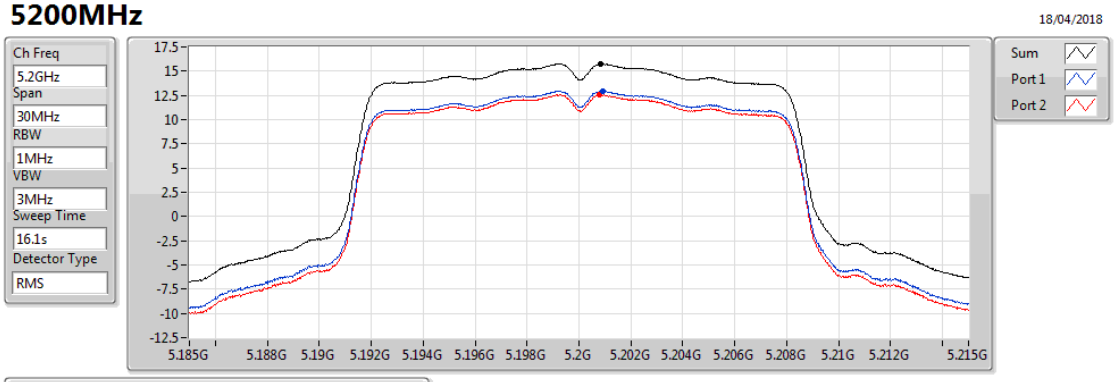
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.47	10.47	7.48	7.48

802.11a_Nss1,(6Mbps)_2TX PSD

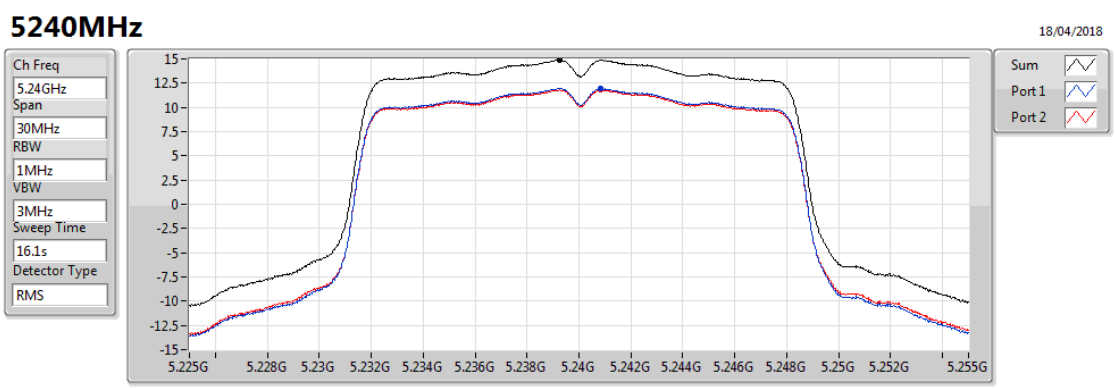
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.75	15.75	12.93	12.54

802.11a_Nss1,(6Mbps)_2TX PSD

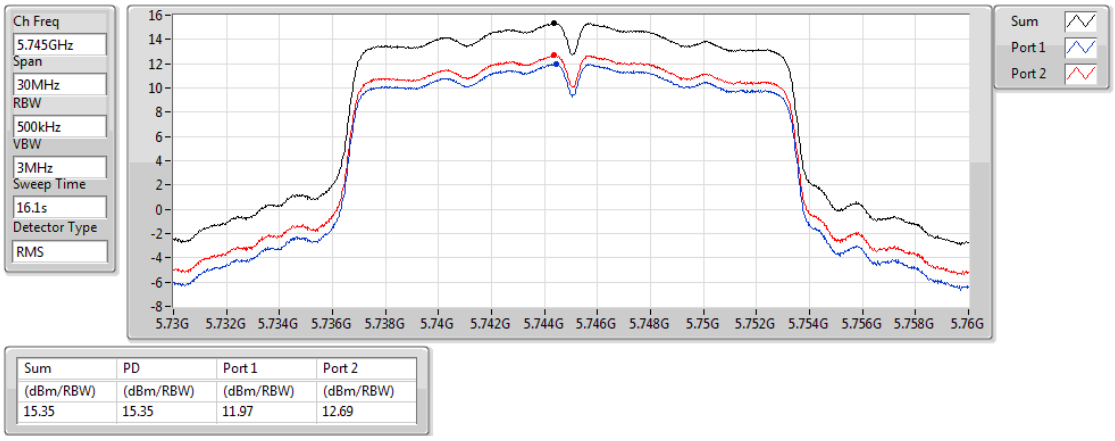
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.88	14.88	11.94	11.80

802.11a_Nss1,(6Mbps)_2TX PSD

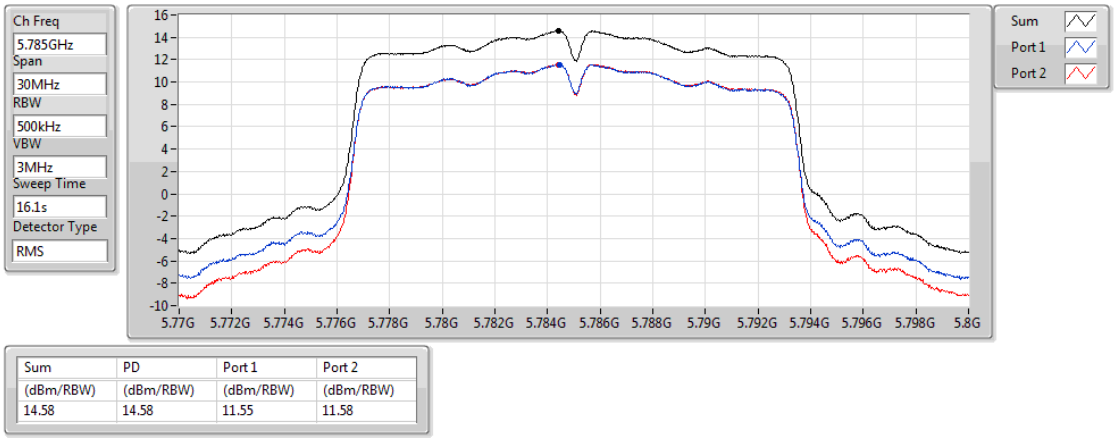
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.35	15.35	11.97	12.69

802.11a_Nss1,(6Mbps)_2TX PSD

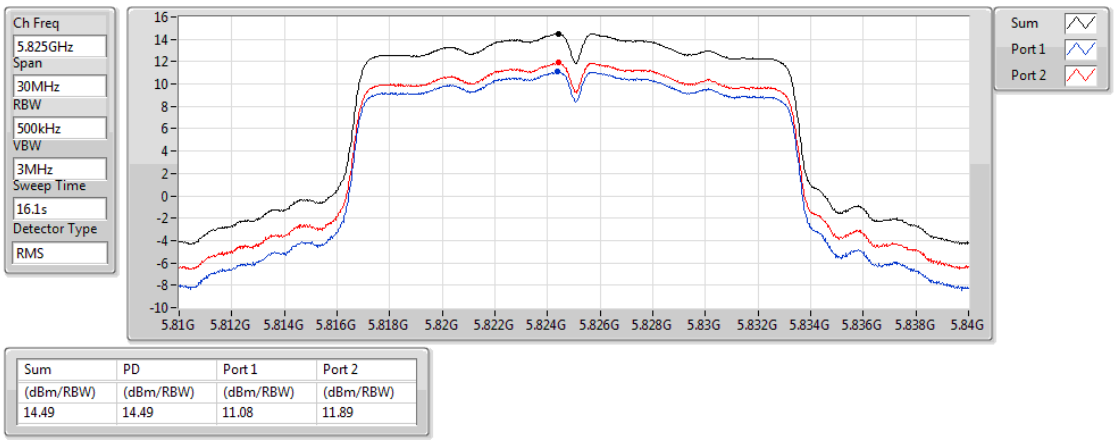
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.58	14.58	11.55	11.58

802.11a_Nss1,(6Mbps)_2TX PSD

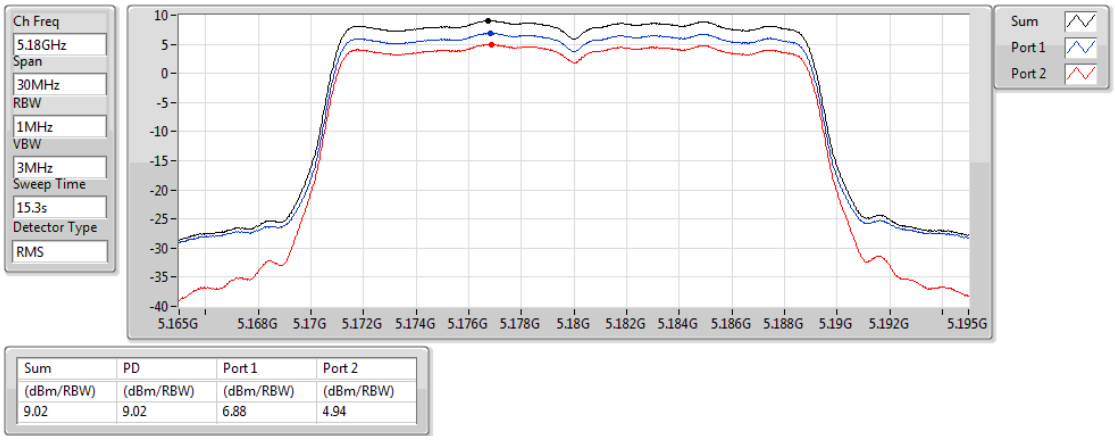
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.49	14.49	11.08	11.89

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

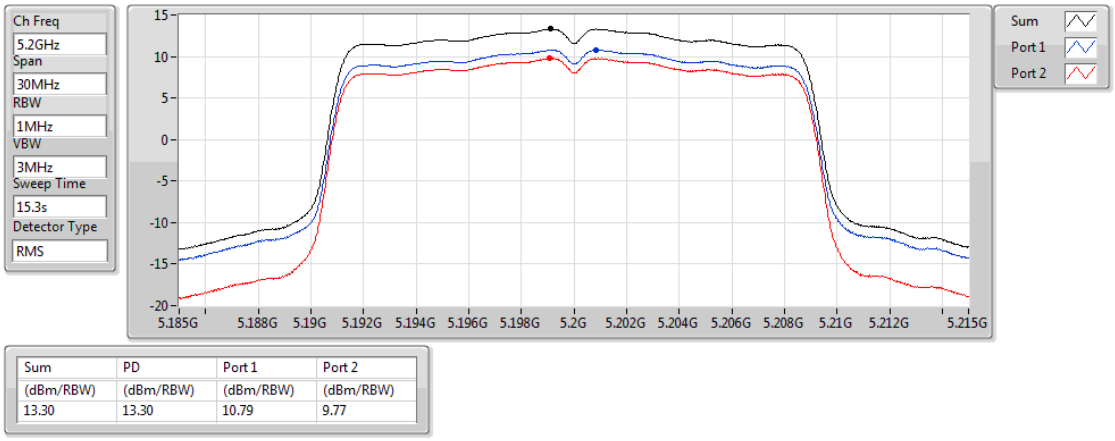
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.02	9.02	6.88	4.94

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

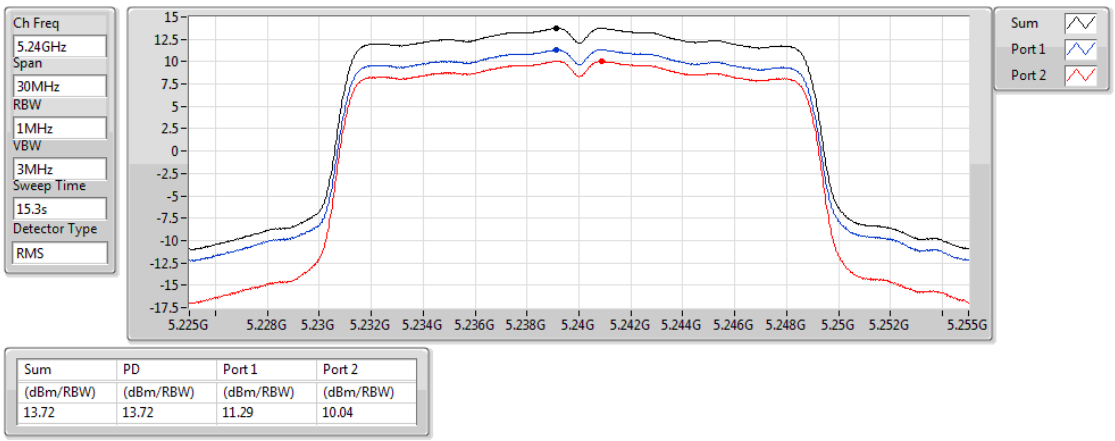
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.30	13.30	10.79	9.77

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

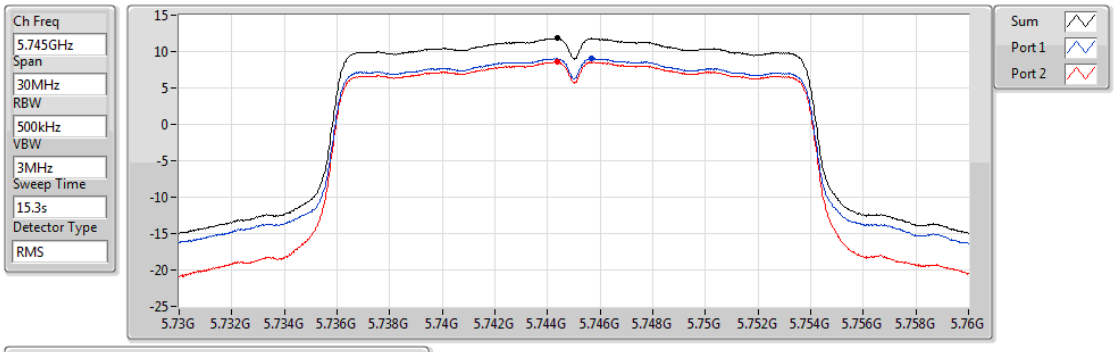
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.72	13.72	11.29	10.04

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

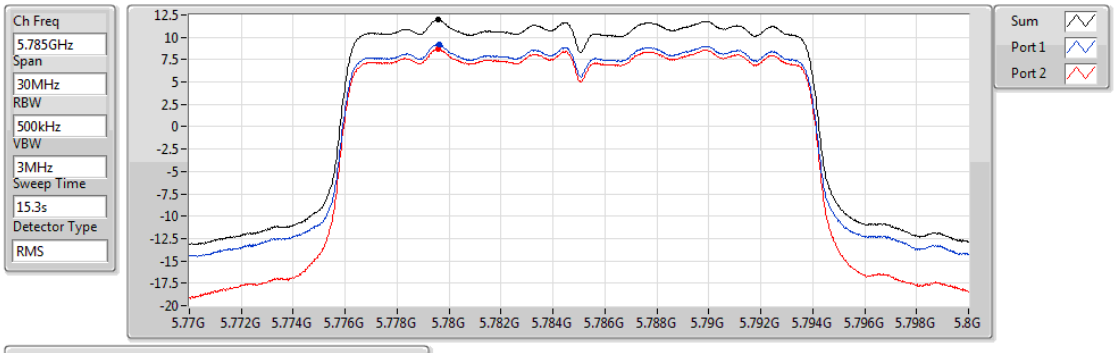
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.80	11.80	9.04	8.55

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

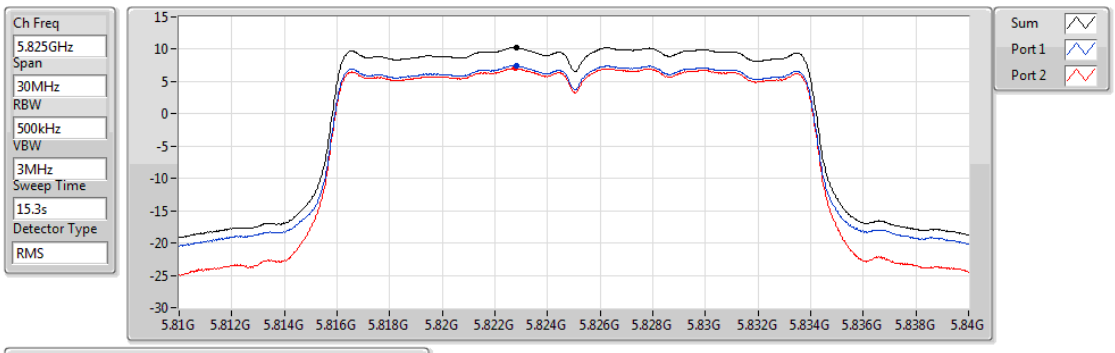
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.95	11.95	9.17	8.69

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

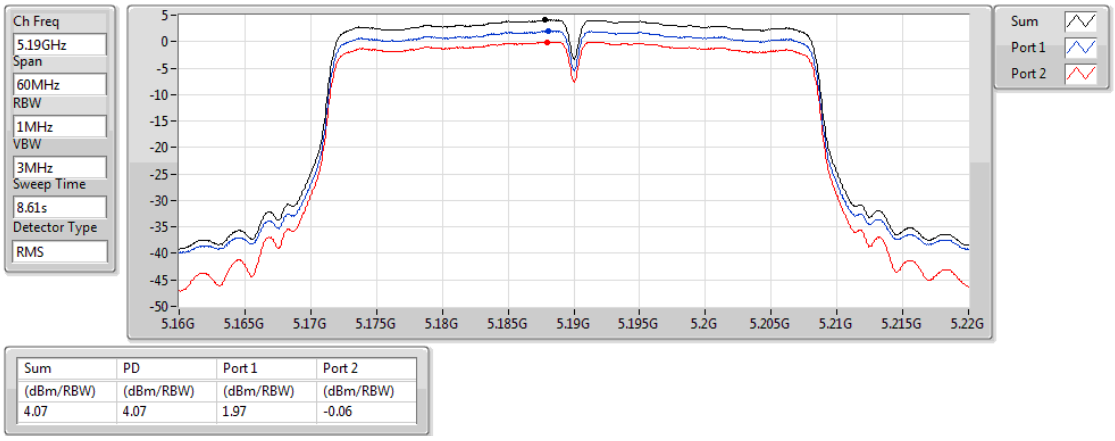
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.25	10.25	7.46	7.04

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

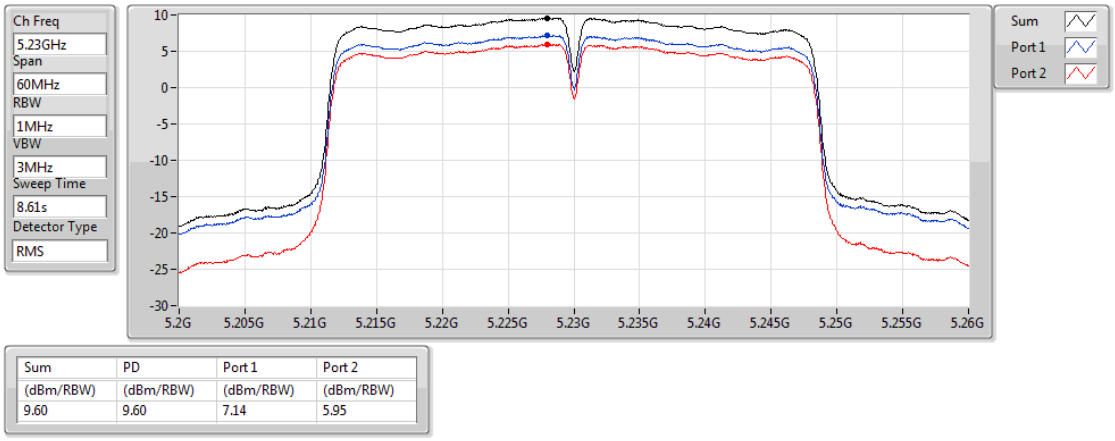
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.07	4.07	1.97	-0.06

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

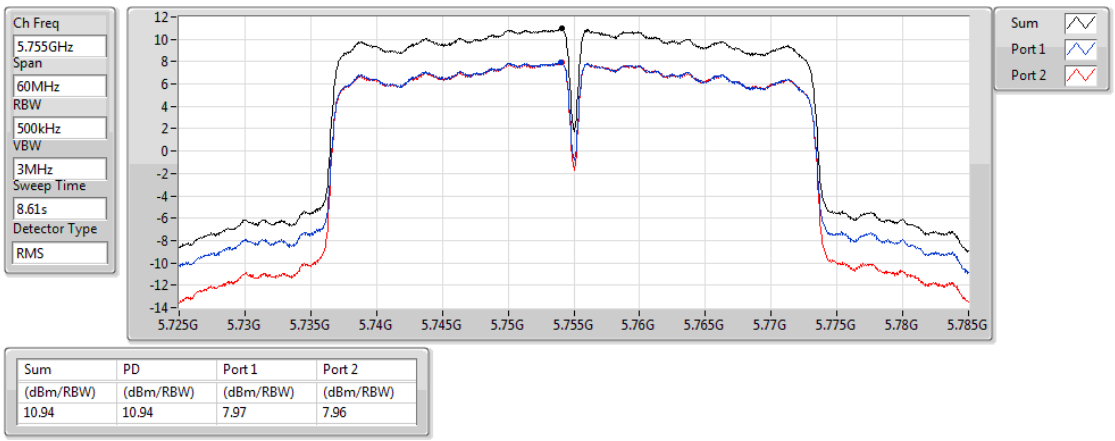
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.60	9.60	7.14	5.95

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

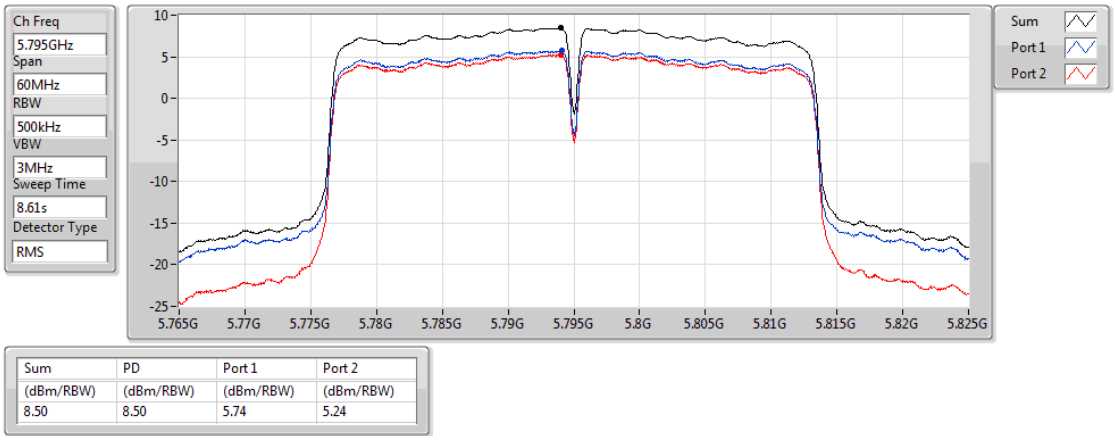
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.94	10.94	7.97	7.96

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

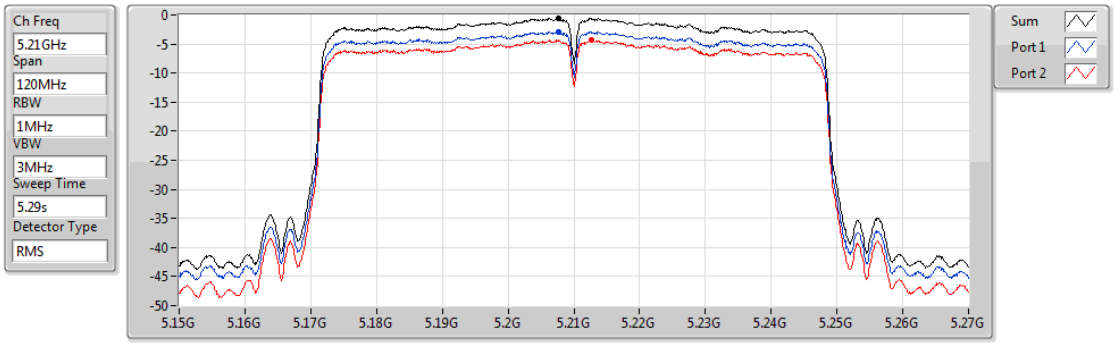
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.50	8.50	5.74	5.24

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

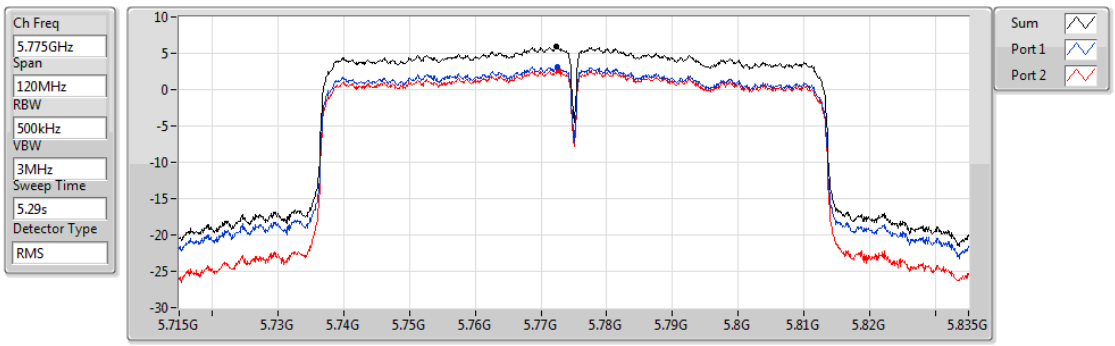
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.52	-0.52	-2.84	-4.34

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.89	5.89	3.16	2.66

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)_2TX	Pass	PK	769.14M	42.15	46.00	-3.85	-8.20	3	Vertical	0	1.00	-

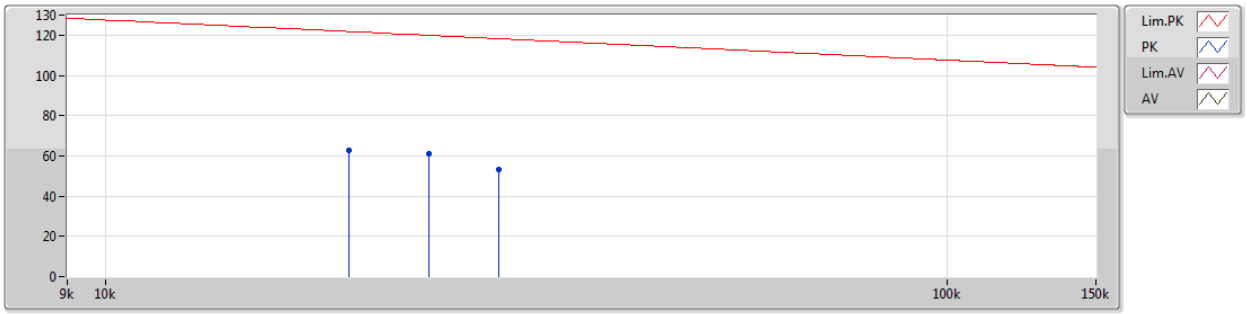
Result

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)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	19.434k	62.91	121.80	-58.89	21.96	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	24.228k	60.96	119.90	-58.94	22.01	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	29.304k	53.23	118.25	-65.02	22.06	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	388.8k	44.64	95.80	-51.16	20.52	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	3.4932M	46.16	69.50	-23.34	20.86	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	1.8813M	35.87	69.50	-33.63	20.93	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	150.28M	32.42	43.50	-11.08	-19.48	3	Vertical	0	1.00	-
5775MHz	Pass	PK	225.94M	35.62	46.00	-10.38	-20.24	3	Vertical	0	1.00	-
5775MHz	Pass	PK	493.66M	37.55	46.00	-8.45	-12.19	3	Vertical	0	1.00	-
5775MHz	Pass	PK	625.58M	32.25	46.00	-13.75	-10.19	3	Vertical	0	1.00	-
5775MHz	Pass	PK	769.14M	42.15	46.00	-3.85	-8.20	3	Vertical	0	1.00	-
5775MHz	Pass	QP	45.52M	35.56	40.00	-4.44	-21.27	3	Vertical	236	1.02	-
5775MHz	Pass	PK	150.28M	31.24	43.50	-12.26	-19.48	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	200.72M	35.64	43.50	-7.86	-21.03	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	225.94M	37.24	46.00	-8.76	-20.24	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	324.88M	40.04	46.00	-5.96	-16.25	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	499.48M	31.54	46.00	-14.46	-12.10	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	749.74M	36.45	46.00	-9.55	-8.38	3	Horizontal	360	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

27/11/2018

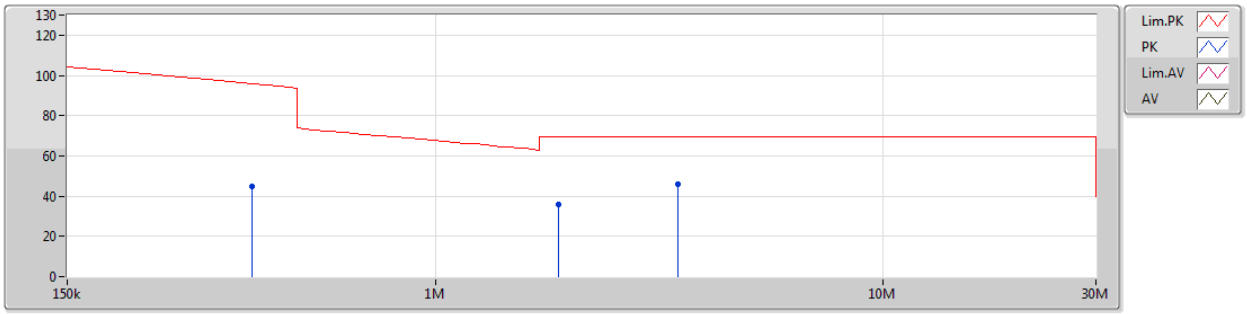


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	19.434k	62.91	121.80	-58.89	21.96	3	Horizontal	0	1.00	-
PK	24.228k	60.96	119.90	-58.94	22.01	3	Horizontal	0	1.00	-
PK	29.304k	53.23	118.25	-65.02	22.06	3	Horizontal	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

27/11/2018

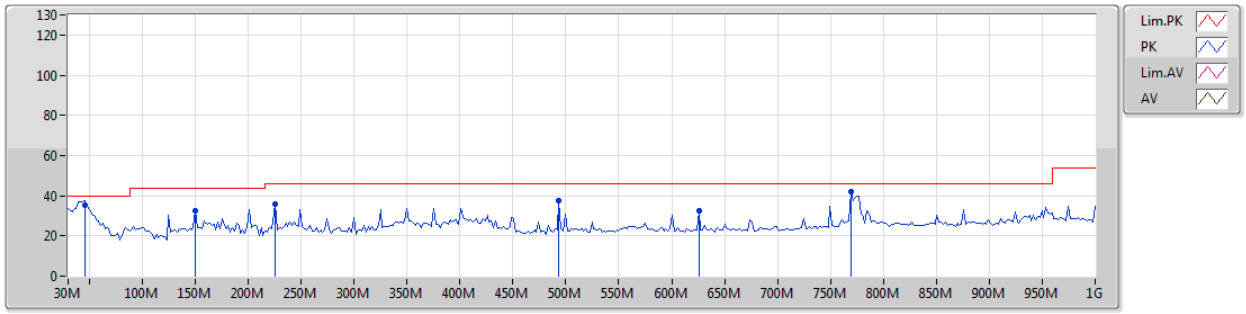


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	388.8k	44.64	95.80	-51.16	20.52	3	Horizontal	360	1.00	-
PK	3.4932M	46.16	69.50	-23.34	20.86	3	Horizontal	360	1.00	-
PK	1.8813M	35.87	69.50	-33.63	20.93	3	Horizontal	360	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

26/06/2018

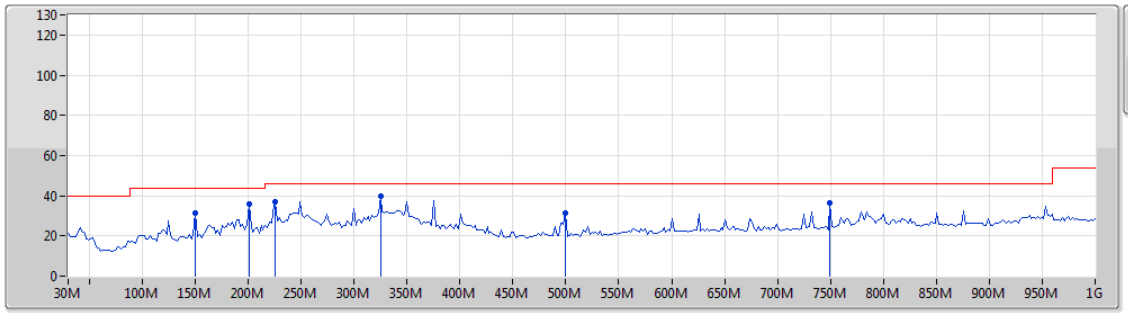


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	150.28M	32.42	43.50	-11.08	-19.48	3	Vertical	0	1.00	-
PK	225.94M	35.62	46.00	-10.38	-20.24	3	Vertical	0	1.00	-
PK	493.66M	37.55	46.00	-8.45	-12.19	3	Vertical	0	1.00	-
PK	625.58M	32.25	46.00	-13.75	-10.19	3	Vertical	0	1.00	-
PK	769.14M	42.15	46.00	-3.85	-8.20	3	Vertical	0	1.00	-
QP	45.52M	35.56	40.00	-4.44	-21.27	3	Vertical	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

26/06/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	150.28M	31.24	43.50	-12.26	-19.48	3	Horizontal	360	1.00	-
PK	200.72M	35.64	43.50	-7.86	-21.03	3	Horizontal	360	1.00	-
PK	225.94M	37.24	46.00	-8.76	-20.24	3	Horizontal	360	1.00	-
PK	324.88M	40.04	46.00	-5.96	-16.25	3	Horizontal	360	1.00	-
PK	499.48M	31.54	46.00	-14.46	-12.10	3	Horizontal	360	1.00	-
PK	749.74M	36.45	46.00	-9.55	-8.38	3	Horizontal	360	1.00	-

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)_2TX	Pass	AV	10.48264G	53.67	54.00	-0.33	11.87	3	Horizontal	86	1.89	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.149995G	53.93	54.00	-0.07	3.68	3	Horizontal	328	1.50	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.149995G	53.73	54.00	-0.27	2.74	3	Horizontal	10	2.22	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.149995G	53.22	54.00	-0.78	2.74	3	Horizontal	331	1.41	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	17.3594G	67.78	68.20	-0.42	16.29	3	Horizontal	233	1.49	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	17.235G	53.72	54.00	-0.28	16.90	3	Vertical	312	1.68	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	17.3868G	53.81	54.00	-0.19	17.93	3	Horizontal	189	2.09	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.6514G	68.57	69.24	-0.67	3.44	3	Horizontal	8	1.11	-

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)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1498G	53.11	54.00	-0.89	1.83	3	Horizontal	2	2.31	-
5180MHz	Pass	AV	5.1818G	102.04	Inf	-Inf	1.89	3	Horizontal	2	2.31	-
5180MHz	Pass	PK	5.1488G	67.34	74.00	-6.66	1.83	3	Horizontal	2	2.31	-
5180MHz	Pass	PK	5.1754G	108.23	Inf	-Inf	1.88	3	Horizontal	2	2.31	-
5180MHz	Pass	AV	5.1498G	53.20	54.00	-0.80	1.83	3	Vertical	355	1.57	-
5180MHz	Pass	AV	5.181G	104.25	Inf	-Inf	1.89	3	Vertical	355	1.57	-
5180MHz	Pass	PK	5.149G	68.73	74.00	-5.27	1.83	3	Vertical	355	1.57	-
5180MHz	Pass	PK	5.1754G	111.74	Inf	-Inf	1.88	3	Vertical	355	1.57	-
5180MHz	Pass	AV	10.36702G	43.22	54.00	-10.78	11.61	3	Horizontal	165	1.68	-
5180MHz	Pass	PK	10.35334G	52.81	74.00	-21.19	11.58	3	Horizontal	165	1.68	-
5180MHz	Pass	AV	10.35586G	42.01	54.00	-11.99	11.59	3	Vertical	146	1.49	-
5180MHz	Pass	PK	10.3576G	52.44	74.00	-21.56	11.59	3	Vertical	146	1.49	-
5200MHz	Pass	AV	5.149995G	52.62	54.00	-1.38	1.83	3	Horizontal	327	1.50	-
5200MHz	Pass	AV	5.1972G	107.66	Inf	-Inf	1.92	3	Horizontal	327	1.50	-
5200MHz	Pass	PK	5.1492G	68.34	74.00	-5.66	1.83	3	Horizontal	327	1.50	-
5200MHz	Pass	PK	5.1952G	114.39	Inf	-Inf	1.91	3	Horizontal	327	1.50	-
5200MHz	Pass	AV	5.149995G	53.16	54.00	-0.84	1.83	3	Vertical	329	1.40	-
5200MHz	Pass	AV	5.2024G	107.46	Inf	-Inf	1.92	3	Vertical	329	1.40	-
5200MHz	Pass	PK	5.1488G	66.58	74.00	-7.42	1.83	3	Vertical	329	1.40	-
5200MHz	Pass	PK	5.1988G	114.68	Inf	-Inf	1.92	3	Vertical	329	1.40	-
5200MHz	Pass	AV	10.40042G	42.61	54.00	-11.39	11.68	3	Horizontal	359	1.23	-
5200MHz	Pass	PK	10.39658G	52.94	74.00	-21.06	11.68	3	Horizontal	359	1.23	-
5200MHz	Pass	AV	10.40138G	43.35	54.00	-10.65	11.69	3	Vertical	145	1.28	-
5200MHz	Pass	PK	10.39916G	54.24	74.00	-19.76	11.68	3	Vertical	145	1.28	-
5240MHz	Pass	AV	5.149995G	48.27	54.00	-5.73	1.83	3	Horizontal	322	1.49	-
5240MHz	Pass	AV	5.2412G	109.42	Inf	-Inf	1.99	3	Horizontal	322	1.49	-
5240MHz	Pass	AV	5.3516G	46.45	54.00	-7.55	2.17	3	Horizontal	322	1.49	-
5240MHz	Pass	PK	5.1494G	59.11	74.00	-14.89	1.83	3	Horizontal	322	1.49	-
5240MHz	Pass	PK	5.2412G	117.04	Inf	-Inf	1.99	3	Horizontal	322	1.49	-
5240MHz	Pass	PK	5.3576G	57.05	74.00	-16.95	2.18	3	Horizontal	322	1.49	-
5240MHz	Pass	AV	5.147G	49.10	54.00	-4.90	1.83	3	Vertical	335	1.52	-
5240MHz	Pass	AV	5.2394G	111.31	Inf	-Inf	1.98	3	Vertical	335	1.52	-
5240MHz	Pass	AV	5.3504G	47.12	54.00	-6.88	2.17	3	Vertical	335	1.52	-
5240MHz	Pass	PK	5.1452G	61.43	74.00	-12.57	1.83	3	Vertical	335	1.52	-
5240MHz	Pass	PK	5.2412G	118.65	Inf	-Inf	1.99	3	Vertical	335	1.52	-
5240MHz	Pass	PK	5.3516G	56.65	74.00	-17.35	2.17	3	Vertical	335	1.52	-
5240MHz	Pass	AV	10.48264G	53.67	54.00	-0.33	11.87	3	Horizontal	86	1.89	-
5240MHz	Pass	PK	10.47664G	64.11	74.00	-9.89	11.85	3	Horizontal	86	1.89	-
5240MHz	Pass	AV	10.48246G	48.79	54.00	-5.21	11.87	3	Vertical	197	1.28	-
5240MHz	Pass	PK	10.47682G	59.37	74.00	-14.63	11.85	3	Vertical	197	1.28	-
5745MHz	Pass	AV	5.745G	108.49	Inf	-Inf	2.85	3	Horizontal	360	1.50	-
5745MHz	Pass	PK	5.5866G	56.41	68.20	-11.79	2.55	3	Horizontal	360	1.50	-
5745MHz	Pass	PK	5.7462G	115.72	Inf	-Inf	2.85	3	Horizontal	360	1.50	-
5745MHz	Pass	PK	5.9382G	55.02	68.20	-13.18	3.22	3	Horizontal	360	1.50	-
5745MHz	Pass	AV	5.7462G	111.90	Inf	-Inf	2.85	3	Vertical	323	1.48	-
5745MHz	Pass	PK	5.6502G	64.38	68.35	-3.97	2.68	3	Vertical	323	1.48	-
5745MHz	Pass	PK	5.7462G	119.94	Inf	-Inf	2.85	3	Vertical	323	1.48	-

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	5.9274G	56.08	68.20	-12.12	3.19	3	Vertical	323	1.48	-
5745MHz	Pass	AV	11.4902G	47.80	54.00	-6.20	12.46	3	Horizontal	152	1.62	-
5745MHz	Pass	PK	11.4886G	58.90	74.00	-15.10	12.46	3	Horizontal	152	1.62	-
5745MHz	Pass	PK	17.2394G	65.51	68.20	-2.69	15.54	3	Horizontal	234	1.50	-
5745MHz	Pass	AV	11.4904G	50.73	54.00	-3.27	12.46	3	Vertical	62	2.22	-
5745MHz	Pass	AV	17.2354G	50.27	54.00	-3.73	15.51	3	Vertical	251	2.24	-
5745MHz	Pass	PK	11.4886G	61.10	74.00	-12.90	12.46	3	Vertical	62	2.22	-
5745MHz	Pass	PK	17.2354G	60.35	74.00	-13.65	15.51	3	Vertical	251	2.24	-
5785MHz	Pass	AV	5.785G	107.09	Inf	-Inf	2.92	3	Horizontal	269	1.52	-
5785MHz	Pass	PK	5.6482G	56.45	68.20	-11.75	2.67	3	Horizontal	269	1.52	-
5785MHz	Pass	PK	5.7862G	114.11	Inf	-Inf	2.93	3	Horizontal	269	1.52	-
5785MHz	Pass	PK	5.9446G	55.21	68.20	-12.99	3.22	3	Horizontal	269	1.52	-
5785MHz	Pass	AV	5.7838G	111.05	Inf	-Inf	2.92	3	Vertical	266	1.67	-
5785MHz	Pass	PK	5.6506G	58.88	68.64	-9.76	2.68	3	Vertical	266	1.67	-
5785MHz	Pass	PK	5.7862G	118.87	Inf	-Inf	2.93	3	Vertical	266	1.67	-
5785MHz	Pass	PK	5.9302G	57.97	68.20	-10.23	3.20	3	Vertical	266	1.67	-
5785MHz	Pass	AV	11.5718G	48.78	54.00	-5.22	12.36	3	Horizontal	203	1.84	-
5785MHz	Pass	PK	11.5688G	59.10	74.00	-14.90	12.37	3	Horizontal	203	1.84	-
5785MHz	Pass	PK	17.3594G	67.78	68.20	-0.42	16.29	3	Horizontal	233	1.49	-
5785MHz	Pass	AV	11.5684G	52.52	54.00	-1.48	12.37	3	Vertical	321	1.04	-
5785MHz	Pass	PK	11.5688G	62.92	74.00	-11.08	12.37	3	Vertical	321	1.04	-
5785MHz	Pass	PK	17.3594G	65.79	68.20	-2.41	16.29	3	Vertical	246	1.48	-
5825MHz	Pass	AV	5.825G	106.58	Inf	-Inf	3.00	3	Horizontal	266	1.45	-
5825MHz	Pass	PK	5.5766G	55.35	68.20	-12.85	2.53	3	Horizontal	266	1.45	-
5825MHz	Pass	PK	5.8262G	113.77	Inf	-Inf	3.00	3	Horizontal	266	1.45	-
5825MHz	Pass	PK	5.9246G	56.29	68.50	-12.21	3.19	3	Horizontal	266	1.45	-
5825MHz	Pass	AV	5.8238G	110.75	Inf	-Inf	3.00	3	Vertical	261	1.66	-
5825MHz	Pass	PK	5.621G	56.76	68.20	-11.44	2.62	3	Vertical	261	1.66	-
5825MHz	Pass	PK	5.8262G	118.43	Inf	-Inf	3.00	3	Vertical	261	1.66	-
5825MHz	Pass	PK	5.9258G	60.58	68.20	-7.62	3.19	3	Vertical	261	1.66	-
5825MHz	Pass	AV	11.6526G	48.83	54.00	-5.17	12.27	3	Horizontal	113	1.64	-
5825MHz	Pass	AV	17.4754G	49.20	54.00	-4.80	17.03	3	Horizontal	53	1.50	-
5825MHz	Pass	PK	11.6488G	59.46	74.00	-14.54	12.28	3	Horizontal	113	1.64	-
5825MHz	Pass	PK	17.4736G	59.85	74.00	-14.15	17.01	3	Horizontal	53	1.50	-
5825MHz	Pass	AV	11.6486G	52.05	54.00	-1.95	12.28	3	Vertical	2	2.21	-
5825MHz	Pass	PK	11.6488G	62.49	74.00	-11.51	12.28	3	Vertical	2	2.21	-
5825MHz	Pass	PK	17.4684G	65.96	68.20	-2.24	16.98	3	Vertical	306	2.77	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149995G	48.87	54.00	-5.13	3.68	3	Vertical	309	1.69	-
5180MHz	Pass	AV	5.1814G	99.00	Inf	-Inf	3.74	3	Vertical	309	1.69	-
5180MHz	Pass	PK	5.149995G	62.06	74.00	-11.94	3.68	3	Vertical	309	1.69	-
5180MHz	Pass	PK	5.1824G	107.73	Inf	-Inf	3.74	3	Vertical	309	1.69	-
5180MHz	Pass	AV	5.1498G	53.85	54.00	-0.15	3.68	3	Horizontal	14	2.73	-
5180MHz	Pass	AV	5.1814G	100.31	Inf	-Inf	3.74	3	Horizontal	14	2.73	-
5180MHz	Pass	PK	5.1478G	70.30	74.00	-3.70	3.68	3	Horizontal	14	2.73	-
5180MHz	Pass	PK	5.1788G	108.66	Inf	-Inf	3.73	3	Horizontal	14	2.73	-
5180MHz	Pass	AV	15.54282G	48.15	54.00	-5.85	15.53	3	Vertical	175	1.50	-
5180MHz	Pass	PK	15.53502G	60.50	74.00	-13.50	15.57	3	Vertical	175	1.50	-
5180MHz	Pass	AV	15.54726G	47.87	54.00	-6.13	15.51	3	Horizontal	69	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5180MHz	Pass	PK	15.54888G	60.05	74.00	-13.95	15.50	3	Horizontal	69	1.50	-
5200MHz	Pass	AV	5.149995G	48.73	54.00	-5.27	3.68	3	Vertical	306	1.65	-
5200MHz	Pass	AV	5.2016G	103.83	Inf	-Inf	3.77	3	Vertical	306	1.65	-
5200MHz	Pass	PK	5.149995G	62.76	74.00	-11.24	3.68	3	Vertical	306	1.65	-
5200MHz	Pass	PK	5.1988G	111.86	Inf	-Inf	3.77	3	Vertical	306	1.65	-
5200MHz	Pass	AV	5.149995G	53.93	54.00	-0.07	3.68	3	Horizontal	328	1.50	-
5200MHz	Pass	AV	5.2004G	107.16	Inf	-Inf	3.77	3	Horizontal	328	1.50	-
5200MHz	Pass	PK	5.1492G	70.69	74.00	-3.31	3.68	3	Horizontal	328	1.50	-
5200MHz	Pass	PK	5.1988G	115.43	Inf	-Inf	3.77	3	Horizontal	328	1.50	-
5200MHz	Pass	AV	15.5998G	50.22	54.00	-3.78	13.79	3	Vertical	171	1.50	-
5200MHz	Pass	PK	15.5961G	66.57	74.00	-7.43	13.81	3	Vertical	171	1.50	-
5200MHz	Pass	AV	15.5999G	51.49	54.00	-2.51	13.79	3	Horizontal	106	1.53	-
5200MHz	Pass	PK	15.6054G	66.48	74.00	-7.52	13.76	3	Horizontal	106	1.53	-
5240MHz	Pass	AV	5.1494G	48.14	54.00	-5.86	3.68	3	Vertical	303	1.57	-
5240MHz	Pass	AV	5.2406G	106.71	Inf	-Inf	3.85	3	Vertical	303	1.57	-
5240MHz	Pass	AV	5.3612G	47.92	54.00	-6.08	4.07	3	Vertical	303	1.57	-
5240MHz	Pass	PK	5.149995G	59.25	74.00	-14.75	3.68	3	Vertical	303	1.57	-
5240MHz	Pass	PK	5.2412G	115.14	Inf	-Inf	3.85	3	Vertical	303	1.57	-
5240MHz	Pass	PK	5.3582G	59.72	74.00	-14.28	4.06	3	Vertical	303	1.57	-
5240MHz	Pass	AV	5.149995G	52.11	54.00	-1.89	3.68	3	Horizontal	19	2.57	-
5240MHz	Pass	AV	5.2376G	107.26	Inf	-Inf	3.84	3	Horizontal	19	2.57	-
5240MHz	Pass	AV	5.350005G	51.29	54.00	-2.71	4.05	3	Horizontal	19	2.57	-
5240MHz	Pass	PK	5.1482G	67.51	74.00	-6.49	3.68	3	Horizontal	19	2.57	-
5240MHz	Pass	PK	5.2328G	115.97	Inf	-Inf	3.83	3	Horizontal	19	2.57	-
5240MHz	Pass	PK	5.3558G	66.56	74.00	-7.44	4.06	3	Horizontal	19	2.57	-
5240MHz	Pass	AV	15.7201G	53.75	54.00	-0.25	13.21	3	Vertical	314	1.49	-
5240MHz	Pass	PK	15.7129G	68.43	74.00	-5.57	13.25	3	Vertical	314	1.49	-
5240MHz	Pass	AV	15.7199G	50.99	54.00	-3.01	13.21	3	Horizontal	176	1.37	-
5240MHz	Pass	PK	15.7202G	65.22	74.00	-8.78	13.21	3	Horizontal	176	1.37	-
5745MHz	Pass	AV	5.7474G	103.60	Inf	-Inf	3.63	3	Vertical	313	1.45	-
5745MHz	Pass	PK	5.6526G	64.86	70.12	-5.26	3.44	3	Vertical	313	1.45	-
5745MHz	Pass	PK	5.745G	113.41	Inf	-Inf	3.63	3	Vertical	313	1.45	-
5745MHz	Pass	PK	5.9874G	56.57	68.20	-11.63	4.10	3	Vertical	313	1.45	-
5745MHz	Pass	AV	5.7474G	109.33	Inf	-Inf	3.63	3	Horizontal	36	2.19	-
5745MHz	Pass	PK	5.6526G	68.21	70.12	-1.91	3.44	3	Horizontal	36	2.19	-
5745MHz	Pass	PK	5.7486G	118.93	Inf	-Inf	3.63	3	Horizontal	36	2.19	-
5745MHz	Pass	PK	5.9538G	56.95	68.20	-11.25	4.04	3	Horizontal	36	2.19	-
5745MHz	Pass	AV	11.4898G	51.80	54.00	-2.20	13.58	3	Vertical	26	1.14	-
5745MHz	Pass	AV	17.235G	53.72	54.00	-0.28	16.90	3	Vertical	312	1.68	-
5745MHz	Pass	PK	11.4872G	65.99	74.00	-8.01	13.58	3	Vertical	26	1.14	-
5745MHz	Pass	PK	17.2313G	68.60	74.00	-5.40	16.88	3	Vertical	312	1.68	-
5745MHz	Pass	AV	11.4882G	47.97	54.00	-6.03	13.58	3	Horizontal	66	2.22	-
5745MHz	Pass	AV	17.2352G	53.55	54.00	-0.45	16.90	3	Horizontal	251	1.50	-
5745MHz	Pass	PK	11.4823G	62.78	74.00	-11.22	13.59	3	Horizontal	66	2.22	-
5745MHz	Pass	PK	17.2279G	68.01	74.00	-5.99	16.85	3	Horizontal	251	1.50	-
5785MHz	Pass	AV	5.785G	104.08	Inf	-Inf	3.70	3	Vertical	196	1.29	-
5785MHz	Pass	PK	5.6038G	56.90	68.20	-11.30	3.35	3	Vertical	196	1.29	-
5785MHz	Pass	PK	5.7838G	113.96	Inf	-Inf	3.70	3	Vertical	196	1.29	-
5785MHz	Pass	PK	5.941G	56.65	68.20	-11.55	4.02	3	Vertical	196	1.29	-

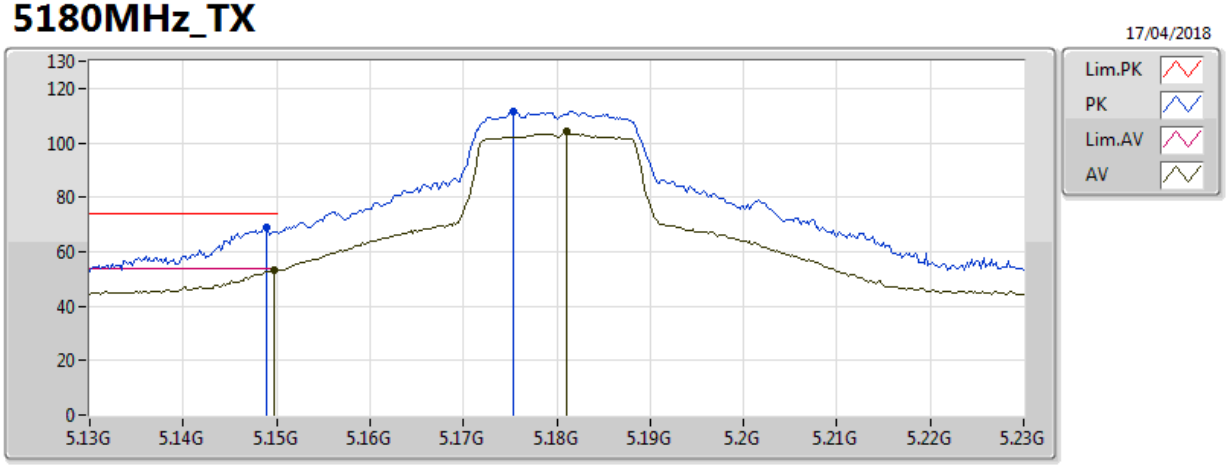
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5785MHz	Pass	AV	5.7826G	107.39	Inf	-Inf	3.70	3	Horizontal	19	1.01	-
5785MHz	Pass	PK	5.6326G	57.64	68.20	-10.56	3.41	3	Horizontal	19	1.01	-
5785MHz	Pass	PK	5.7862G	117.21	Inf	-Inf	3.70	3	Horizontal	19	1.01	-
5785MHz	Pass	PK	5.9266G	57.91	68.20	-10.29	3.99	3	Horizontal	19	1.01	-
5785MHz	Pass	AV	11.57G	51.90	54.00	-2.10	13.51	3	Vertical	272	2.10	-
5785MHz	Pass	AV	17.3549G	53.13	54.00	-0.87	17.72	3	Vertical	309	1.89	-
5785MHz	Pass	PK	11.5671G	66.06	74.00	-7.94	13.51	3	Vertical	272	2.10	-
5785MHz	Pass	PK	17.3526G	68.41	74.00	-5.59	17.70	3	Vertical	309	1.89	-
5785MHz	Pass	AV	11.57G	48.86	54.00	-5.14	13.51	3	Horizontal	132	1.64	-
5785MHz	Pass	AV	17.3588G	53.60	54.00	-0.40	17.74	3	Horizontal	24	1.50	-
5785MHz	Pass	PK	11.5687G	63.20	74.00	-10.80	13.51	3	Horizontal	132	1.64	-
5785MHz	Pass	PK	17.3552G	67.90	74.00	-6.10	17.72	3	Horizontal	24	1.50	-
5825MHz	Pass	AV	5.825G	103.62	Inf	-Inf	3.78	3	Vertical	313	1.35	-
5825MHz	Pass	PK	5.5826G	56.78	68.20	-11.42	3.31	3	Vertical	313	1.35	-
5825MHz	Pass	PK	5.8238G	112.95	Inf	-Inf	3.78	3	Vertical	313	1.35	-
5825MHz	Pass	PK	5.927G	61.72	68.20	-6.48	3.99	3	Vertical	313	1.35	-
5825MHz	Pass	AV	5.8262G	108.80	Inf	-Inf	3.78	3	Horizontal	31	2.11	-
5825MHz	Pass	PK	5.6462G	57.95	68.20	-10.25	3.43	3	Horizontal	31	2.11	-
5825MHz	Pass	PK	5.8238G	118.17	Inf	-Inf	3.78	3	Horizontal	31	2.11	-
5825MHz	Pass	PK	5.9234G	66.31	69.38	-3.07	3.98	3	Horizontal	31	2.11	-
5825MHz	Pass	AV	11.65G	48.86	54.00	-5.14	13.43	3	Vertical	322	1.60	-
5825MHz	Pass	AV	17.4753G	53.16	54.00	-0.84	18.54	3	Vertical	305	1.96	-
5825MHz	Pass	PK	11.6506G	62.86	74.00	-11.14	13.43	3	Vertical	322	1.60	-
5825MHz	Pass	PK	17.4713G	68.00	74.00	-6.00	18.51	3	Vertical	305	1.96	-
5825MHz	Pass	AV	11.65G	45.14	54.00	-8.86	13.43	3	Horizontal	54	2.49	-
5825MHz	Pass	AV	17.4765G	53.71	54.00	-0.29	18.54	3	Horizontal	15	1.47	-
5825MHz	Pass	PK	11.6505G	58.67	74.00	-15.33	13.43	3	Horizontal	54	2.49	-
5825MHz	Pass	PK	17.4804G	69.48	74.00	-4.52	18.57	3	Horizontal	15	1.47	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.149995G	48.24	54.00	-5.76	2.74	3	Vertical	57	1.75	-
5190MHz	Pass	AV	5.1916G	92.96	Inf	-Inf	2.79	3	Vertical	57	1.75	-
5190MHz	Pass	PK	5.1464G	60.84	74.00	-13.16	2.74	3	Vertical	57	1.75	-
5190MHz	Pass	PK	5.1844G	101.06	Inf	-Inf	2.78	3	Vertical	57	1.75	-
5190MHz	Pass	AV	5.149995G	53.73	54.00	-0.27	2.74	3	Horizontal	10	2.22	-
5190MHz	Pass	AV	5.1916G	98.15	Inf	-Inf	2.79	3	Horizontal	10	2.22	-
5190MHz	Pass	PK	5.1488G	66.45	74.00	-7.55	2.74	3	Horizontal	10	2.22	-
5190MHz	Pass	PK	5.188G	105.83	Inf	-Inf	2.79	3	Horizontal	10	2.22	-
5190MHz	Pass	AV	10.37752G	42.00	54.00	-12.00	12.67	3	Vertical	71	1.26	-
5190MHz	Pass	PK	10.3809G	53.80	74.00	-20.20	12.68	3	Vertical	71	1.26	-
5190MHz	Pass	AV	10.397G	41.22	54.00	-12.78	12.72	3	Horizontal	262	1.19	-
5190MHz	Pass	PK	10.3937G	54.75	74.00	-19.25	12.71	3	Horizontal	262	1.19	-
5230MHz	Pass	AV	5.1496G	44.73	54.00	-9.27	2.74	3	Vertical	24	1.50	-
5230MHz	Pass	AV	5.2316G	93.46	Inf	-Inf	2.83	3	Vertical	24	1.50	-
5230MHz	Pass	PK	5.1496G	56.54	74.00	-17.46	2.74	3	Vertical	24	1.50	-
5230MHz	Pass	PK	5.2272G	101.41	Inf	-Inf	2.83	3	Vertical	24	1.50	-
5230MHz	Pass	AV	5.149995G	51.47	54.00	-2.53	2.74	3	Horizontal	333	1.61	-
5230MHz	Pass	AV	5.2312G	96.70	Inf	-Inf	2.83	3	Horizontal	333	1.61	-
5230MHz	Pass	PK	5.1472G	64.80	74.00	-9.20	2.74	3	Horizontal	333	1.61	-
5230MHz	Pass	PK	5.2284G	104.54	Inf	-Inf	2.83	3	Horizontal	333	1.61	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5230MHz	Pass	AV	15.69498G	45.77	54.00	-8.23	13.33	3	Vertical	271	2.26	-
5230MHz	Pass	PK	15.68938G	59.94	74.00	-14.06	13.36	3	Vertical	271	2.26	-
5230MHz	Pass	AV	15.6946G	44.23	54.00	-9.77	13.34	3	Horizontal	112	1.46	-
5230MHz	Pass	PK	15.6758G	58.10	74.00	-15.90	13.43	3	Horizontal	112	1.46	-
5755MHz	Pass	AV	5.7562G	100.69	Inf	-Inf	3.65	3	Vertical	195	1.29	-
5755MHz	Pass	PK	5.6494G	62.41	68.20	-5.79	3.44	3	Vertical	195	1.29	-
5755MHz	Pass	PK	5.7538G	109.50	Inf	-Inf	3.64	3	Vertical	195	1.29	-
5755MHz	Pass	PK	5.9626G	56.30	68.20	-11.90	4.05	3	Vertical	195	1.29	-
5755MHz	Pass	AV	5.7502G	103.57	Inf	-Inf	3.64	3	Horizontal	19	1.01	-
5755MHz	Pass	PK	5.6506G	68.26	68.64	-0.38	3.44	3	Horizontal	19	1.01	-
5755MHz	Pass	PK	5.7538G	113.00	Inf	-Inf	3.64	3	Horizontal	19	1.01	-
5755MHz	Pass	PK	5.929G	57.09	68.20	-11.11	3.99	3	Horizontal	19	1.01	-
5755MHz	Pass	AV	17.2674G	45.55	54.00	-8.45	17.12	3	Vertical	251	1.26	-
5755MHz	Pass	PK	17.2446G	58.84	74.00	-15.16	16.97	3	Vertical	251	1.26	-
5755MHz	Pass	AV	17.2698G	50.31	54.00	-3.69	17.14	3	Horizontal	17	1.50	-
5755MHz	Pass	PK	17.2696G	63.36	74.00	-10.64	17.14	3	Horizontal	17	1.50	-
5795MHz	Pass	AV	5.7962G	98.71	Inf	-Inf	3.72	3	Vertical	164	1.31	-
5795MHz	Pass	PK	5.549G	56.04	68.20	-12.16	3.24	3	Vertical	164	1.31	-
5795MHz	Pass	PK	5.7938G	106.15	Inf	-Inf	3.72	3	Vertical	164	1.31	-
5795MHz	Pass	PK	5.9714G	55.88	68.20	-12.32	4.07	3	Vertical	164	1.31	-
5795MHz	Pass	AV	5.7962G	101.48	Inf	-Inf	3.72	3	Horizontal	357	1.10	-
5795MHz	Pass	PK	5.6474G	57.25	68.20	-10.95	3.44	3	Horizontal	357	1.10	-
5795MHz	Pass	PK	5.7938G	109.28	Inf	-Inf	3.72	3	Horizontal	357	1.10	-
5795MHz	Pass	PK	5.9258G	57.74	68.20	-10.46	3.99	3	Horizontal	357	1.10	-
5795MHz	Pass	AV	17.3776G	46.29	54.00	-7.71	17.87	3	Vertical	8	1.50	-
5795MHz	Pass	PK	17.3988G	59.57	74.00	-14.43	18.02	3	Vertical	8	1.50	-
5795MHz	Pass	AV	17.3868G	53.81	54.00	-0.19	17.93	3	Horizontal	189	2.09	-
5795MHz	Pass	PK	17.3908G	68.23	74.00	-5.77	17.96	3	Horizontal	189	2.09	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.149995G	48.05	54.00	-5.95	2.74	3	Vertical	57	1.65	-
5210MHz	Pass	AV	5.213G	87.12	Inf	-Inf	2.81	3	Vertical	57	1.65	-
5210MHz	Pass	AV	5.416G	44.91	54.00	-9.09	3.05	3	Vertical	57	1.65	-
5210MHz	Pass	PK	5.146G	57.07	74.00	-16.93	2.74	3	Vertical	57	1.65	-
5210MHz	Pass	PK	5.203G	94.62	Inf	-Inf	2.80	3	Vertical	57	1.65	-
5210MHz	Pass	PK	5.362G	54.29	74.00	-19.71	2.98	3	Vertical	57	1.65	-
5210MHz	Pass	AV	5.149995G	53.22	54.00	-0.78	2.74	3	Horizontal	331	1.41	-
5210MHz	Pass	AV	5.207G	92.28	Inf	-Inf	2.81	3	Horizontal	331	1.41	-
5210MHz	Pass	AV	5.352G	44.76	54.00	-9.24	2.97	3	Horizontal	331	1.41	-
5210MHz	Pass	PK	5.147G	63.09	74.00	-10.91	2.74	3	Horizontal	331	1.41	-
5210MHz	Pass	PK	5.203G	100.85	Inf	-Inf	2.80	3	Horizontal	331	1.41	-
5210MHz	Pass	PK	5.412G	55.25	74.00	-18.75	3.05	3	Horizontal	331	1.41	-
5210MHz	Pass	AV	10.41706G	40.87	54.00	-13.13	12.76	3	Vertical	137	1.82	-
5210MHz	Pass	PK	10.42182G	53.96	74.00	-20.04	12.77	3	Vertical	137	1.82	-
5210MHz	Pass	AV	10.4187G	39.32	54.00	-14.68	12.76	3	Horizontal	348	1.86	-
5210MHz	Pass	PK	10.42004G	53.05	74.00	-20.95	12.77	3	Horizontal	348	1.86	-
5775MHz	Pass	AV	5.7738G	96.05	Inf	-Inf	3.68	3	Vertical	187	1.24	-
5775MHz	Pass	PK	5.6478G	64.30	68.20	-3.90	3.44	3	Vertical	187	1.24	-
5775MHz	Pass	PK	5.7678G	104.90	Inf	-Inf	3.67	3	Vertical	187	1.24	-
5775MHz	Pass	PK	5.925G	64.03	68.20	-4.17	3.98	3	Vertical	187	1.24	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5775MHz	Pass	AV	5.7738G	98.79	Inf	-Inf	3.68	3	Horizontal	8	1.11	-
5775MHz	Pass	PK	5.6514G	68.57	69.24	-0.67	3.44	3	Horizontal	8	1.11	-
5775MHz	Pass	PK	5.7678G	108.47	Inf	-Inf	3.67	3	Horizontal	8	1.11	-
5775MHz	Pass	PK	5.925G	66.84	68.20	-1.36	3.98	3	Horizontal	8	1.11	-
5775MHz	Pass	AV	11.5194G	40.86	54.00	-13.14	13.55	3	Vertical	80	1.72	-
5775MHz	Pass	PK	11.5012G	55.06	74.00	-18.94	13.57	3	Vertical	80	1.72	-
5775MHz	Pass	AV	11.5338G	41.56	54.00	-12.44	13.54	3	Horizontal	25	1.41	-
5775MHz	Pass	PK	11.5128G	54.93	74.00	-19.07	13.56	3	Horizontal	25	1.41	-

802.11a_Nss1,(6Mbps)_2TX

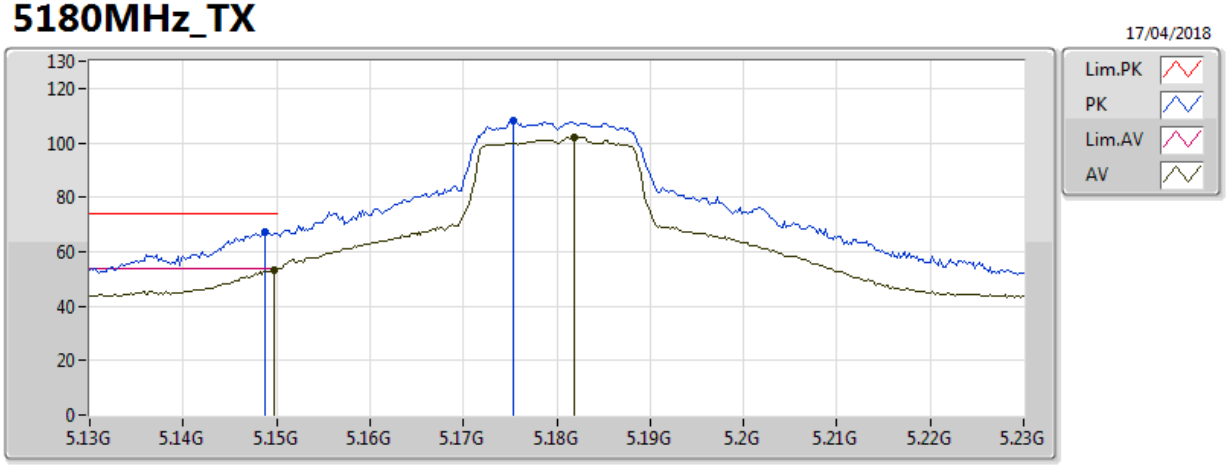
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1498G	53.20	54.00	-0.80	1.83	3	Vertical	355	1.57	-	51.37	31.62	5.42	35.21
AV	5.181G	104.25	Inf	-Inf	1.89	3	Vertical	355	1.57	-	102.36	31.64	5.45	35.20
PK	5.149G	68.73	74.00	-5.27	1.83	3	Vertical	355	1.57	-	66.90	31.62	5.42	35.21
PK	5.1754G	111.74	Inf	-Inf	1.88	3	Vertical	355	1.57	-	109.86	31.64	5.44	35.20

802.11a_Nss1,(6Mbps)_2TX

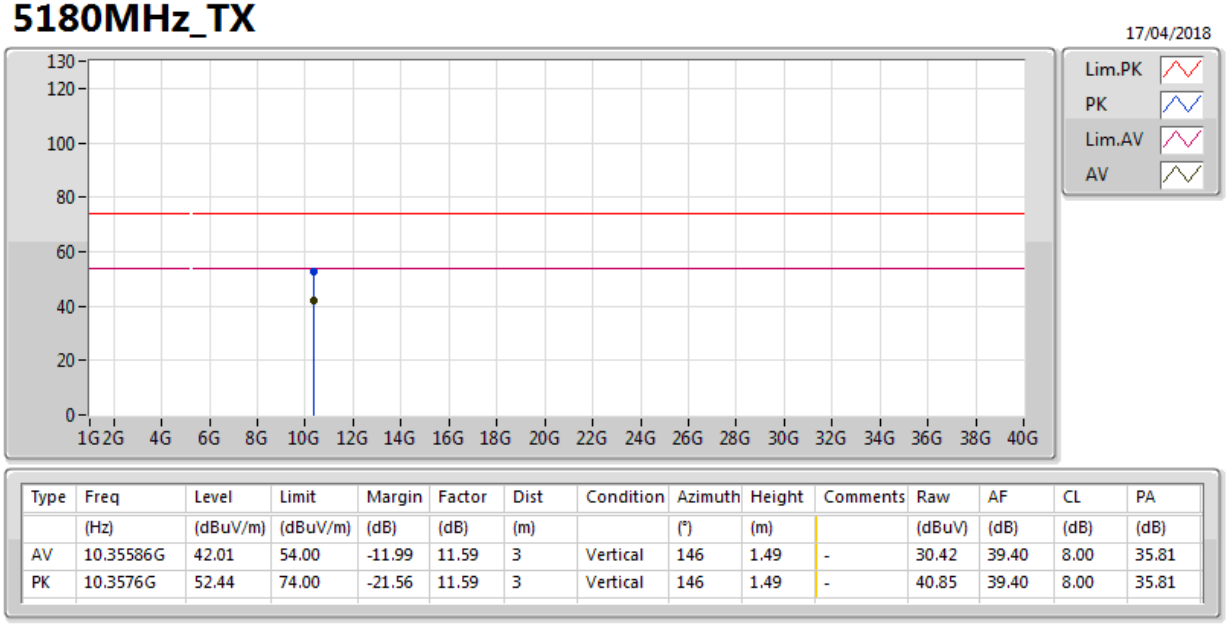
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1498G	53.11	54.00	-0.89	1.83	3	Horizontal	2	2.31	-	51.28	31.62	5.42	35.21
AV	5.1818G	102.04	Inf	-Inf	1.89	3	Horizontal	2	2.31	-	100.15	31.65	5.45	35.20
PK	5.1488G	67.34	74.00	-6.66	1.83	3	Horizontal	2	2.31	-	65.51	31.62	5.42	35.21
PK	5.1754G	108.23	Inf	-Inf	1.88	3	Horizontal	2	2.31	-	106.35	31.64	5.44	35.20

802.11a_Nss1,(6Mbps)_2TX

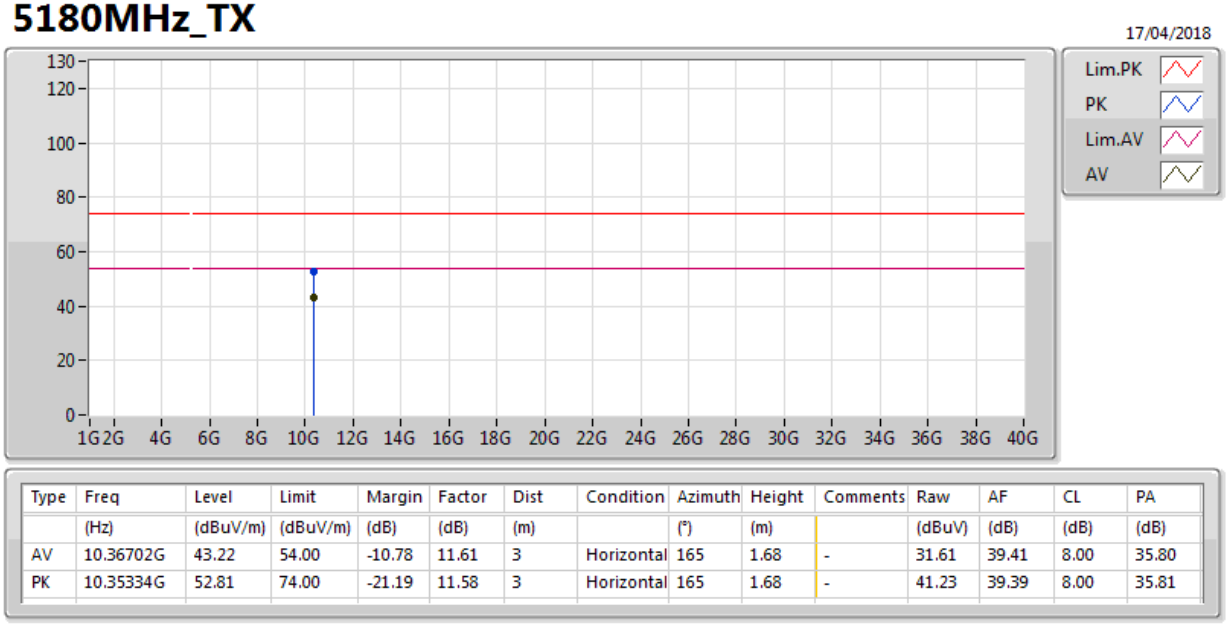
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.35586G	42.01	54.00	-11.99	11.59	3	Vertical	146	1.49	-	30.42	39.40	8.00	35.81
PK	10.3576G	52.44	74.00	-21.56	11.59	3	Vertical	146	1.49	-	40.85	39.40	8.00	35.81

802.11a_Nss1,(6Mbps)_2TX

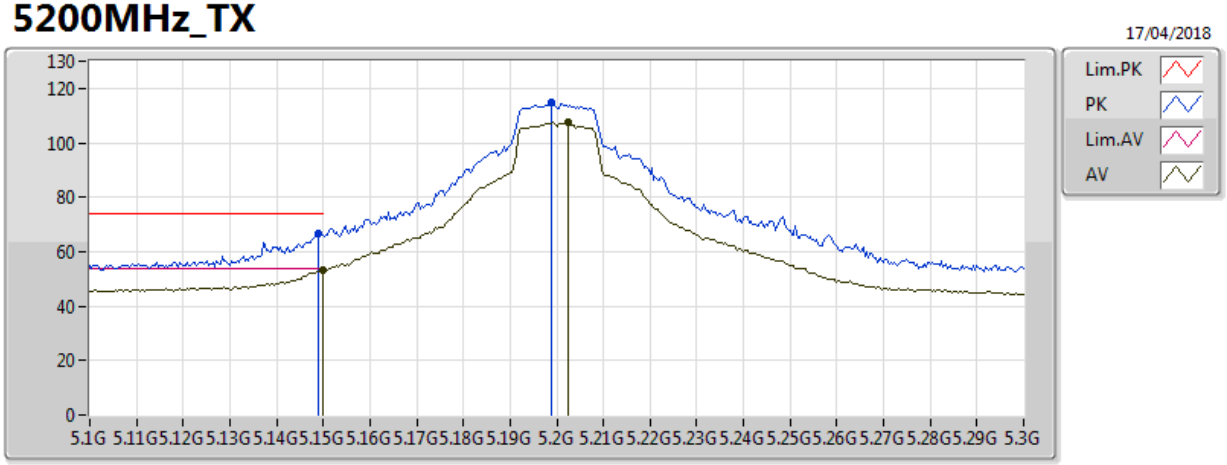
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.36702G	43.22	54.00	-10.78	11.61	3	Horizontal	165	1.68	-	31.61	39.41	8.00	35.80
PK	10.35334G	52.81	74.00	-21.19	11.58	3	Horizontal	165	1.68	-	41.23	39.39	8.00	35.81

802.11a_Nss1,(6Mbps)_2TX

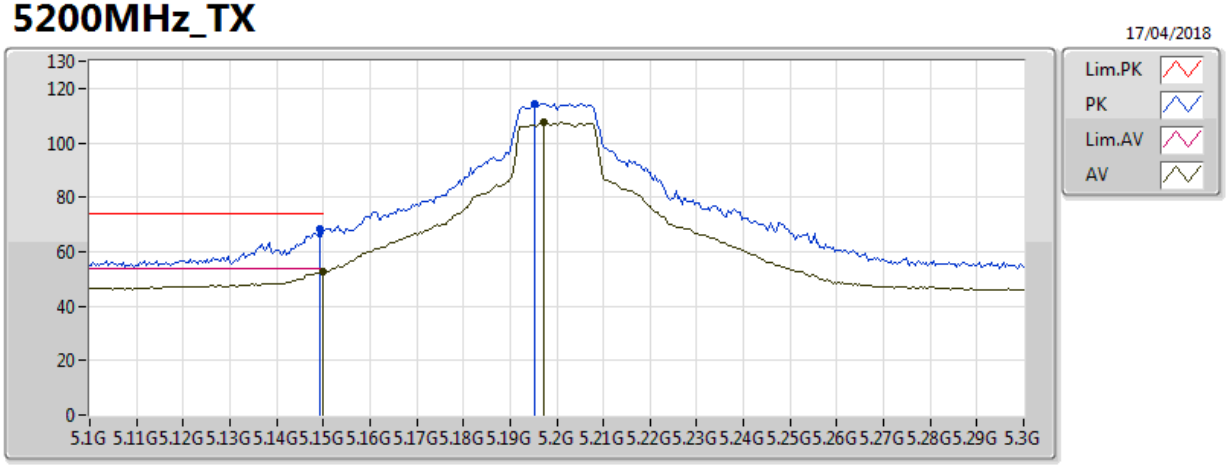
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.149995G	53.16	54.00	-0.84	1.83	3	Vertical	329	1.40	-	51.33	31.62	5.42	35.21
AV	5.2024G	107.46	Inf	-Inf	1.92	3	Vertical	329	1.40	-	105.54	31.66	5.46	35.20
PK	5.1488G	66.58	74.00	-7.42	1.83	3	Vertical	329	1.40	-	64.75	31.62	5.42	35.21
PK	5.1988G	114.68	Inf	-Inf	1.92	3	Vertical	329	1.40	-	112.76	31.66	5.46	35.20

802.11a_Nss1,(6Mbps)_2TX

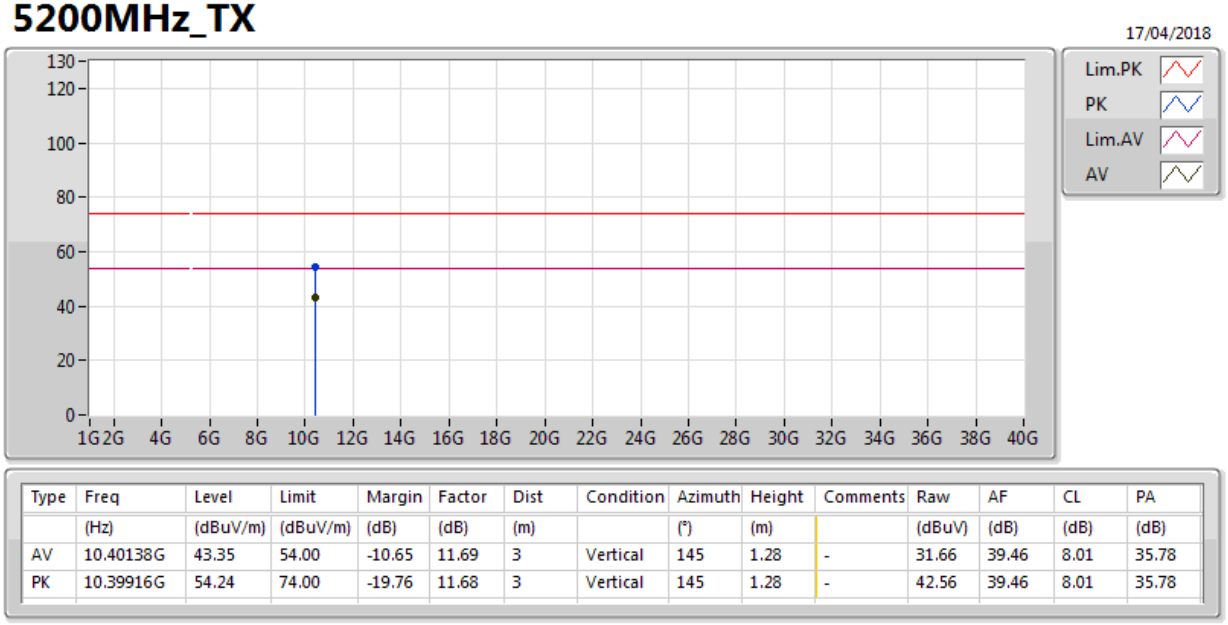
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.149995G	52.62	54.00	-1.38	1.83	3	Horizontal	327	1.50	-	50.79	31.62	5.42	35.21
AV	5.1972G	107.66	Inf	-Inf	1.92	3	Horizontal	327	1.50	-	105.74	31.66	5.46	35.20
PK	5.1492G	68.34	74.00	-5.66	1.83	3	Horizontal	327	1.50	-	66.51	31.62	5.42	35.21
PK	5.1952G	114.39	Inf	-Inf	1.91	3	Horizontal	327	1.50	-	112.48	31.66	5.46	35.20

802.11a_Nss1,(6Mbps)_2TX

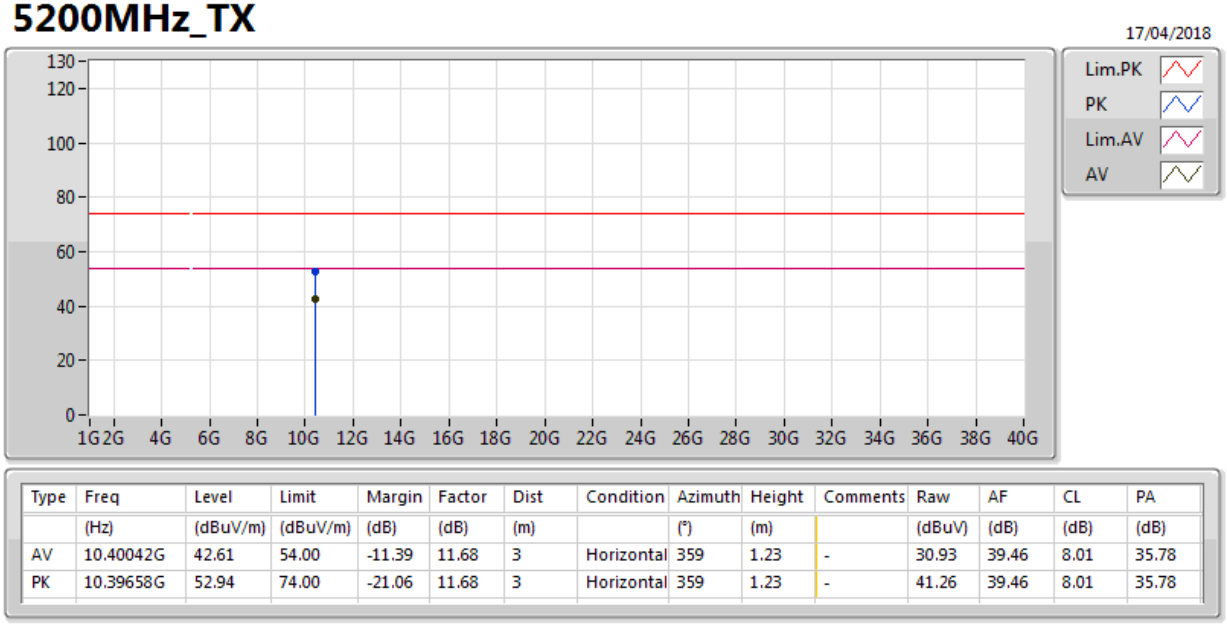
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.40138G	43.35	54.00	-10.65	11.69	3	Vertical	145	1.28	-	31.66	39.46	8.01	35.78
PK	10.39916G	54.24	74.00	-19.76	11.68	3	Vertical	145	1.28	-	42.56	39.46	8.01	35.78

802.11a_Nss1,(6Mbps)_2TX

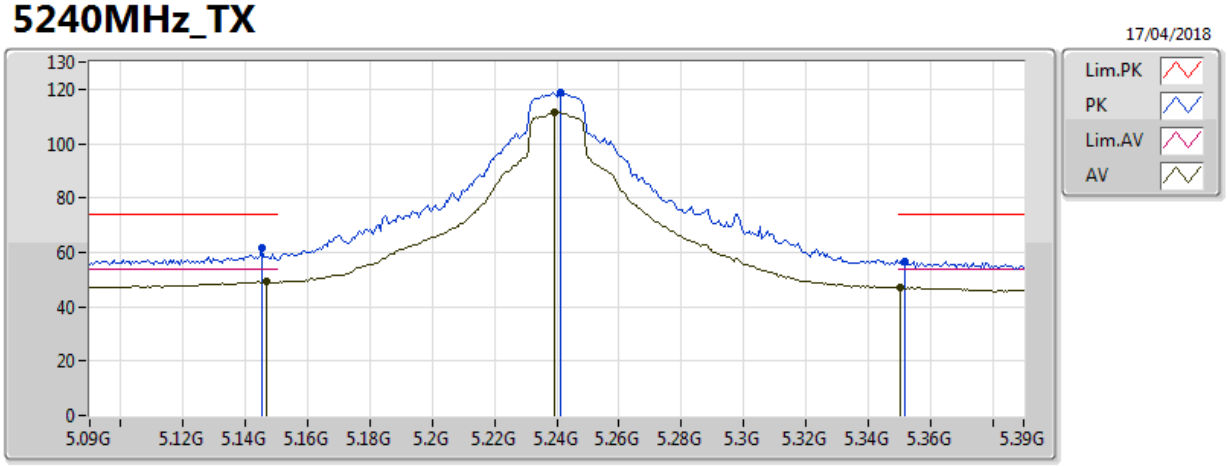
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.40042G	42.61	54.00	-11.39	11.68	3	Horizontal	359	1.23	-	30.93	39.46	8.01	35.78
PK	10.39658G	52.94	74.00	-21.06	11.68	3	Horizontal	359	1.23	-	41.26	39.46	8.01	35.78

802.11a_Nss1,(6Mbps)_2TX

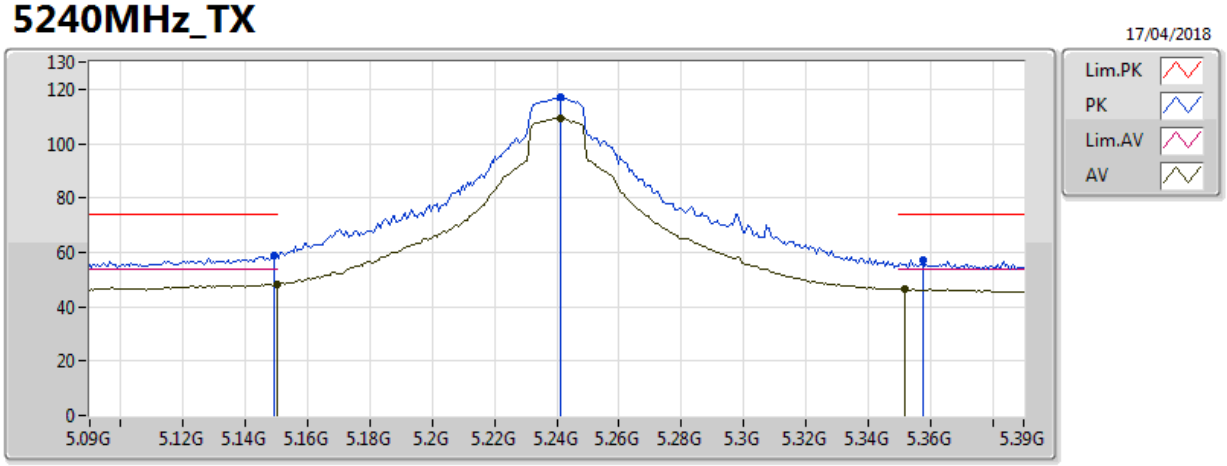
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.147G	49.10	54.00	-4.90	1.83	3	Vertical	335	1.52	-	47.27	31.62	5.42	35.21
AV	5.2394G	111.31	Inf	-Inf	1.98	3	Vertical	335	1.52	-	109.33	31.69	5.49	35.20
AV	5.3504G	47.12	54.00	-6.88	2.17	3	Vertical	335	1.52	-	44.95	31.78	5.57	35.18
PK	5.1452G	61.43	74.00	-12.57	1.83	3	Vertical	335	1.52	-	59.60	31.62	5.42	35.21
PK	5.2412G	118.65	Inf	-Inf	1.99	3	Vertical	335	1.52	-	116.66	31.69	5.49	35.20
PK	5.3516G	56.65	74.00	-17.35	2.17	3	Vertical	335	1.52	-	54.48	31.78	5.57	35.18

802.11a_Nss1,(6Mbps)_2TX

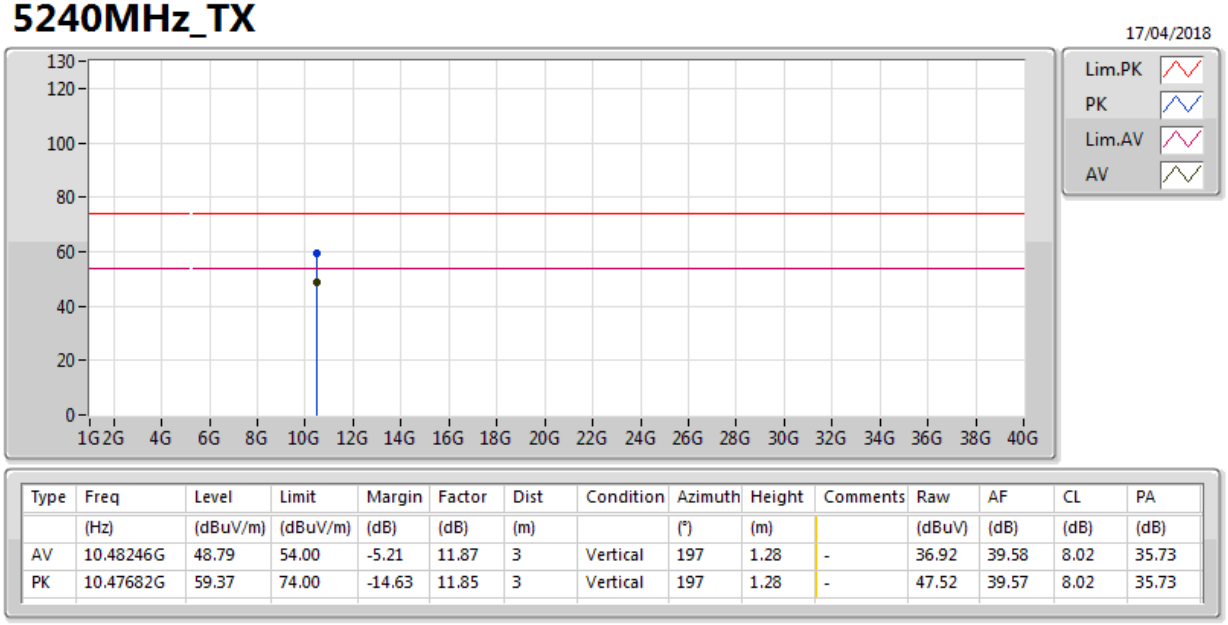
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.149995G	48.27	54.00	-5.73	1.83	3	Horizontal	322	1.49	-	46.44	31.62	5.42	35.21
AV	5.2412G	109.42	Inf	-Inf	1.99	3	Horizontal	322	1.49	-	107.43	31.69	5.49	35.20
AV	5.3516G	46.45	54.00	-7.55	2.17	3	Horizontal	322	1.49	-	44.28	31.78	5.57	35.18
PK	5.1494G	59.11	74.00	-14.89	1.83	3	Horizontal	322	1.49	-	57.28	31.62	5.42	35.21
PK	5.2412G	117.04	Inf	-Inf	1.99	3	Horizontal	322	1.49	-	115.05	31.69	5.49	35.20
PK	5.3576G	57.05	74.00	-16.95	2.18	3	Horizontal	322	1.49	-	54.87	31.79	5.57	35.18

802.11a_Nss1,(6Mbps)_2TX

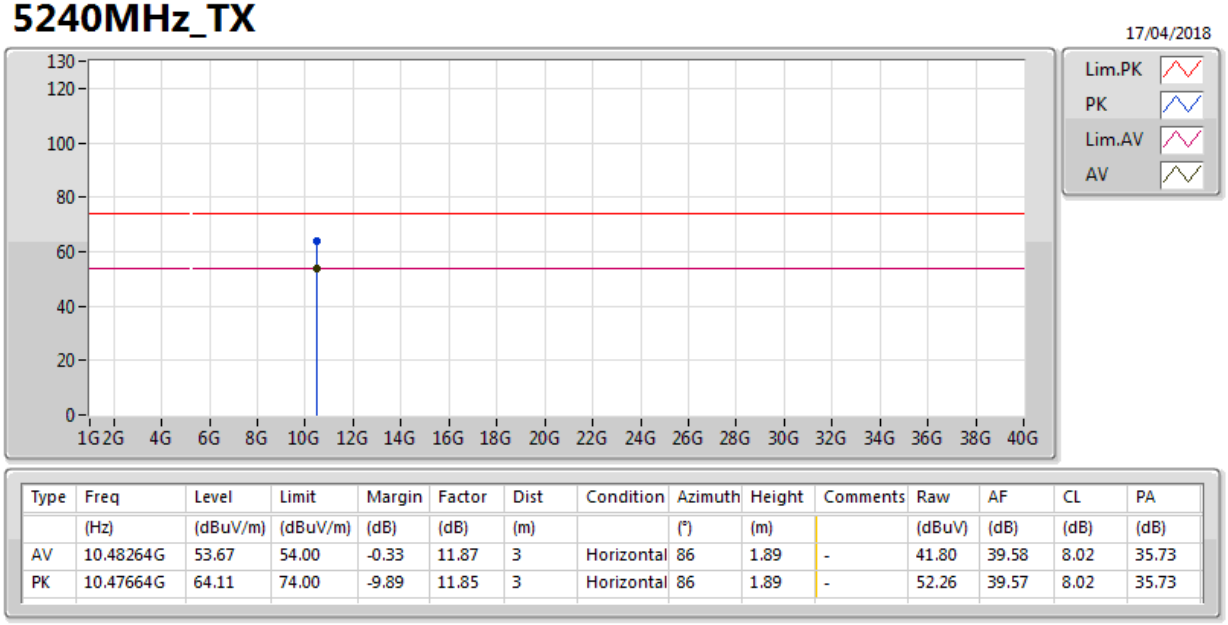
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.48246G	48.79	54.00	-5.21	11.87	3	Vertical	197	1.28	-	36.92	39.58	8.02	35.73
PK	10.47682G	59.37	74.00	-14.63	11.85	3	Vertical	197	1.28	-	47.52	39.57	8.02	35.73

802.11a_Nss1,(6Mbps)_2TX

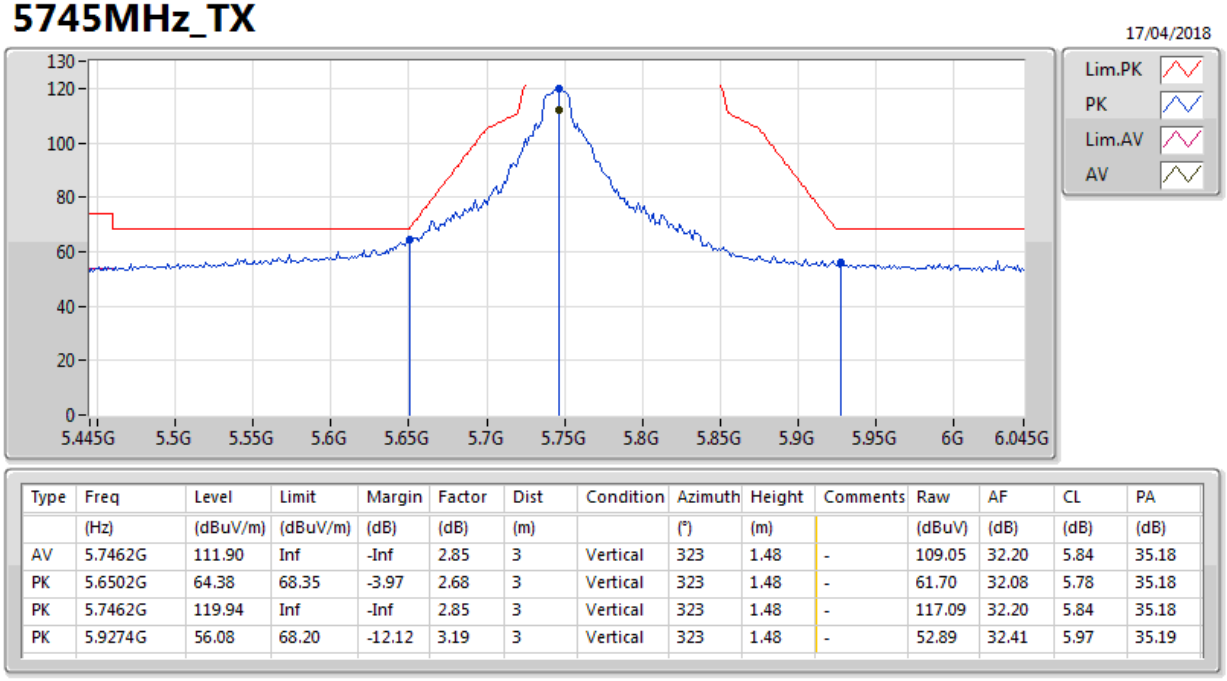
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.48264G	53.67	54.00	-0.33	11.87	3	Horizontal	86	1.89	-	41.80	39.58	8.02	35.73
PK	10.47664G	64.11	74.00	-9.89	11.85	3	Horizontal	86	1.89	-	52.26	39.57	8.02	35.73

802.11a_Nss1,(6Mbps)_2TX

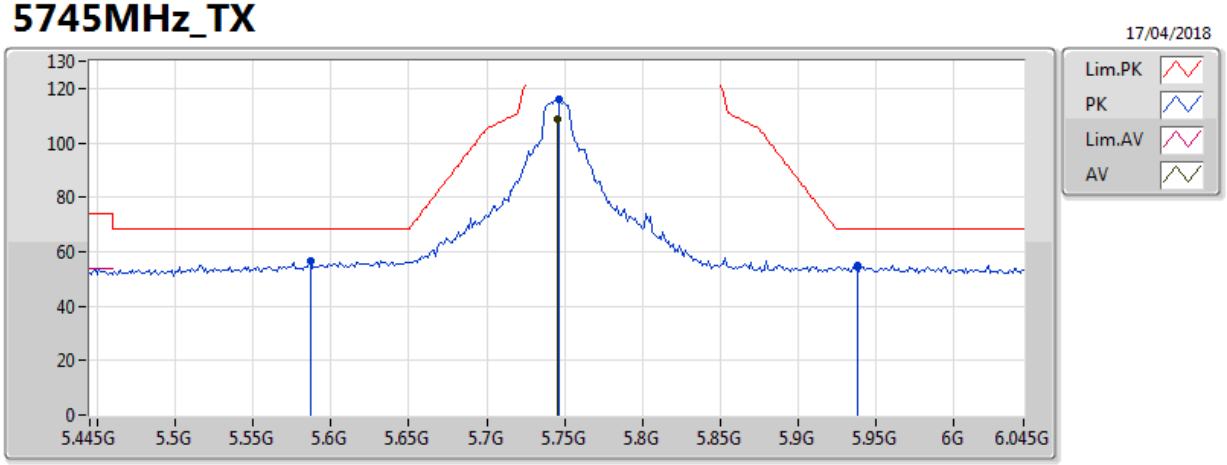
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7462G	111.90	Inf	-Inf	2.85	3	Vertical	323	1.48	-	109.05	32.20	5.84	35.18
PK	5.6502G	64.38	68.35	-3.97	2.68	3	Vertical	323	1.48	-	61.70	32.08	5.78	35.18
PK	5.7462G	119.94	Inf	-Inf	2.85	3	Vertical	323	1.48	-	117.09	32.20	5.84	35.18
PK	5.9274G	56.08	68.20	-12.12	3.19	3	Vertical	323	1.48	-	52.89	32.41	5.97	35.19

802.11a_Nss1,(6Mbps)_2TX

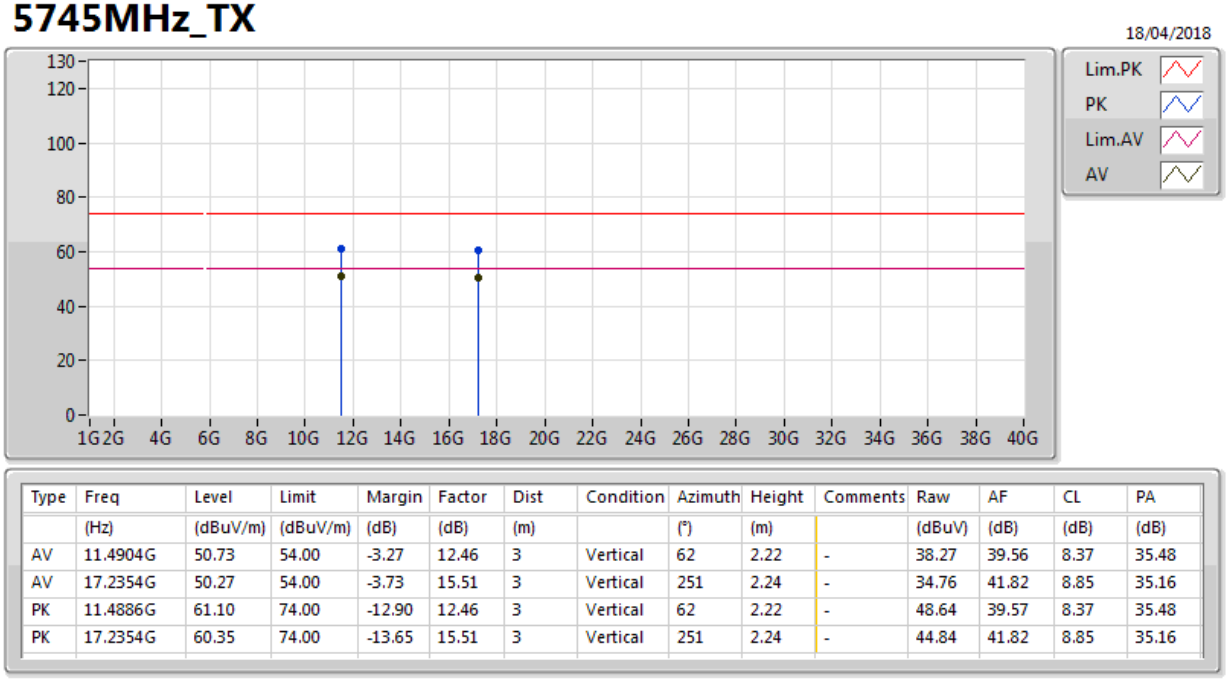
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.745G	108.49	Inf	-Inf	2.85	3	Horizontal	360	1.50	-	105.64	32.19	5.84	35.18
PK	5.5866G	56.41	68.20	-11.79	2.55	3	Horizontal	360	1.50	-	53.86	32.00	5.73	35.18
PK	5.7462G	115.72	Inf	-Inf	2.85	3	Horizontal	360	1.50	-	112.87	32.20	5.84	35.18
PK	5.9382G	55.02	68.20	-13.18	3.22	3	Horizontal	360	1.50	-	51.80	32.43	5.98	35.19

802.11a_Nss1,(6Mbps)_2TX

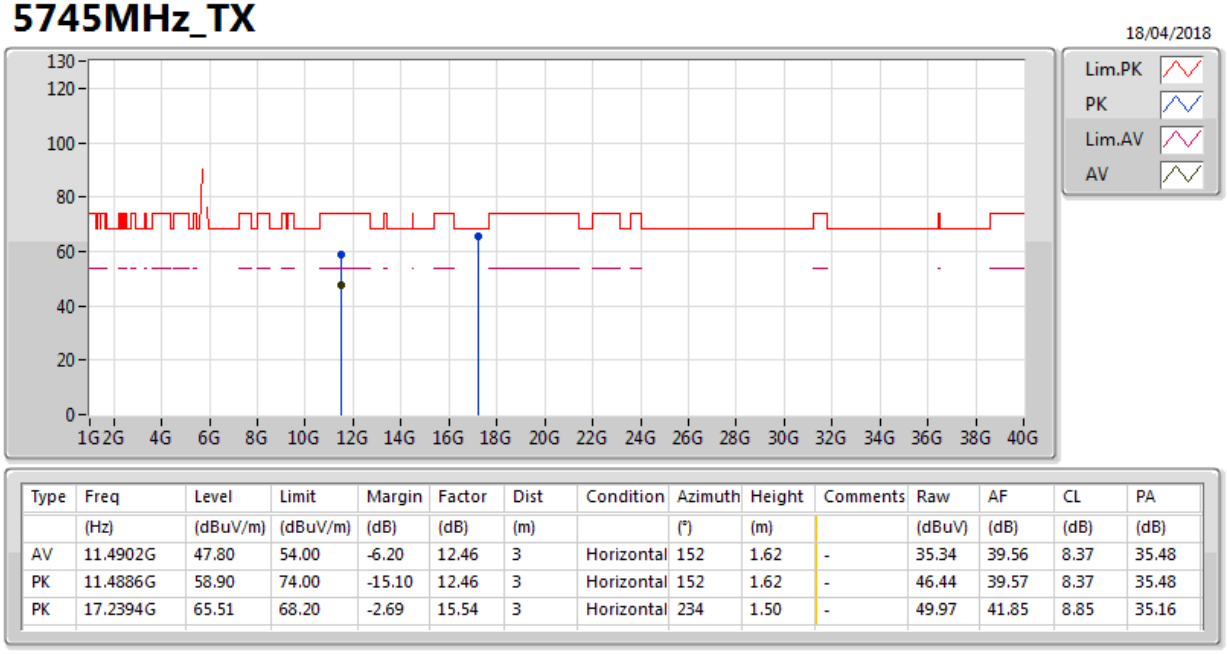
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.4904G	50.73	54.00	-3.27	12.46	3	Vertical	62	2.22	-	38.27	39.56	8.37	35.48
AV	17.2354G	50.27	54.00	-3.73	15.51	3	Vertical	251	2.24	-	34.76	41.82	8.85	35.16
PK	11.4886G	61.10	74.00	-12.90	12.46	3	Vertical	62	2.22	-	48.64	39.57	8.37	35.48
PK	17.2354G	60.35	74.00	-13.65	15.51	3	Vertical	251	2.24	-	44.84	41.82	8.85	35.16

802.11a_Nss1,(6Mbps)_2TX

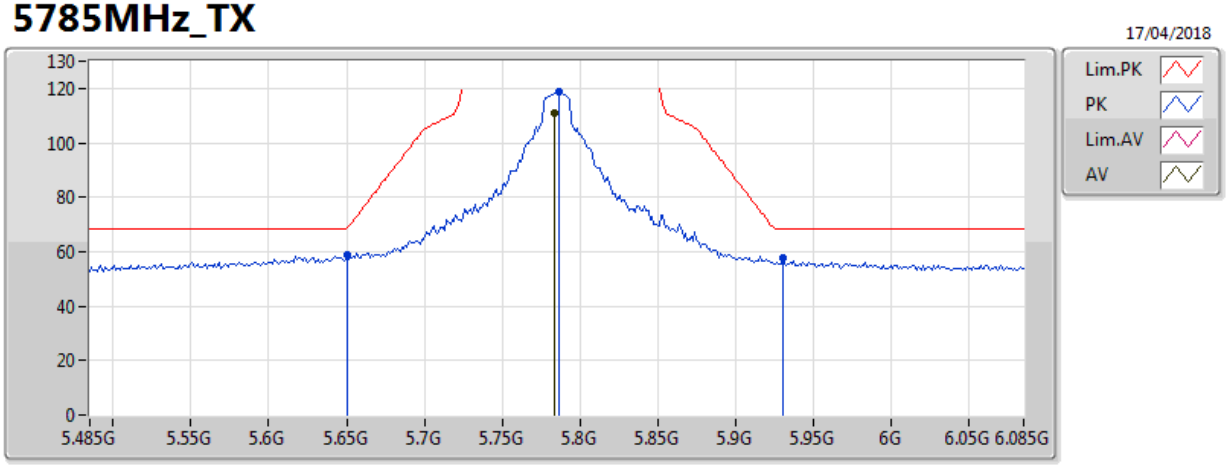
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.4902G	47.80	54.00	-6.20	12.46	3	Horizontal	152	1.62	-	35.34	39.56	8.37	35.48
PK	11.4886G	58.90	74.00	-15.10	12.46	3	Horizontal	152	1.62	-	46.44	39.57	8.37	35.48
PK	17.2394G	65.51	68.20	-2.69	15.54	3	Horizontal	234	1.50	-	49.97	41.85	8.85	35.16

802.11a_Nss1,(6Mbps)_2TX

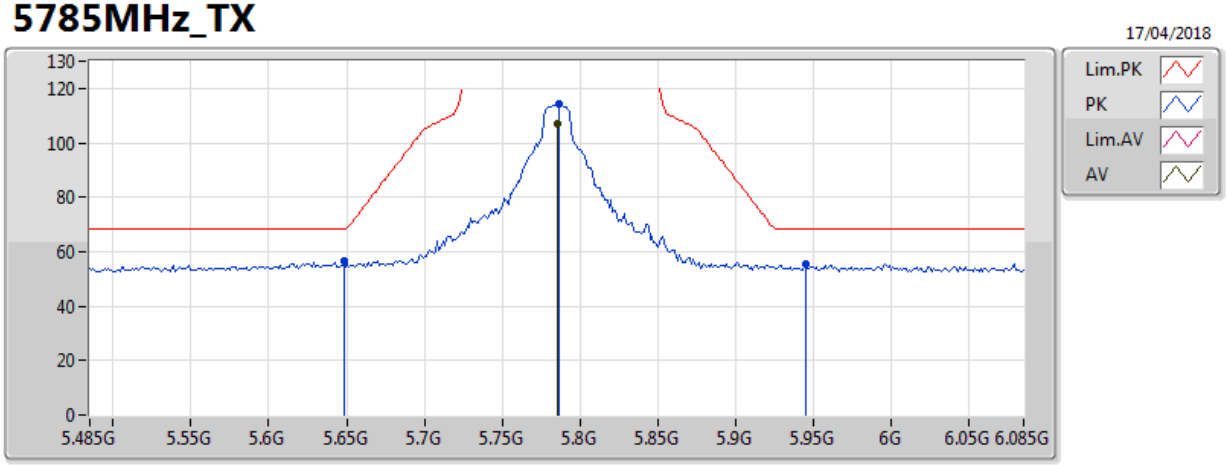
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7838G	111.05	Inf	-Inf	2.92	3	Vertical	266	1.67	-	108.13	32.24	5.87	35.19
PK	5.6506G	58.88	68.64	-9.76	2.68	3	Vertical	266	1.67	-	56.20	32.08	5.78	35.18
PK	5.7862G	118.87	Inf	-Inf	2.93	3	Vertical	266	1.67	-	115.94	32.24	5.87	35.19
PK	5.9302G	57.97	68.20	-10.23	3.20	3	Vertical	266	1.67	-	54.77	32.42	5.97	35.19

802.11a_Nss1,(6Mbps)_2TX

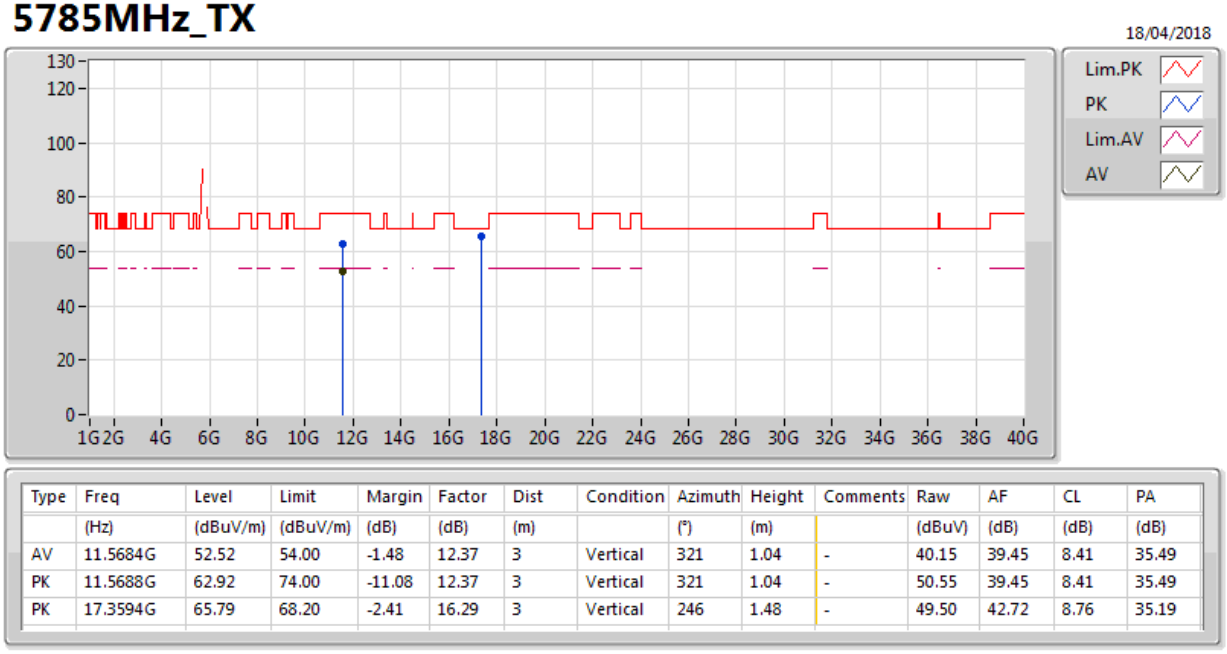
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.785G	107.09	Inf	-Inf	2.92	3	Horizontal	269	1.52	-	104.17	32.24	5.87	35.19
PK	5.6482G	56.45	68.20	-11.75	2.67	3	Horizontal	269	1.52	-	53.78	32.08	5.77	35.18
PK	5.7862G	114.11	Inf	-Inf	2.93	3	Horizontal	269	1.52	-	111.18	32.24	5.87	35.19
PK	5.9446G	55.21	68.20	-12.99	3.22	3	Horizontal	269	1.52	-	51.99	32.43	5.98	35.19

802.11a_Nss1,(6Mbps)_2TX

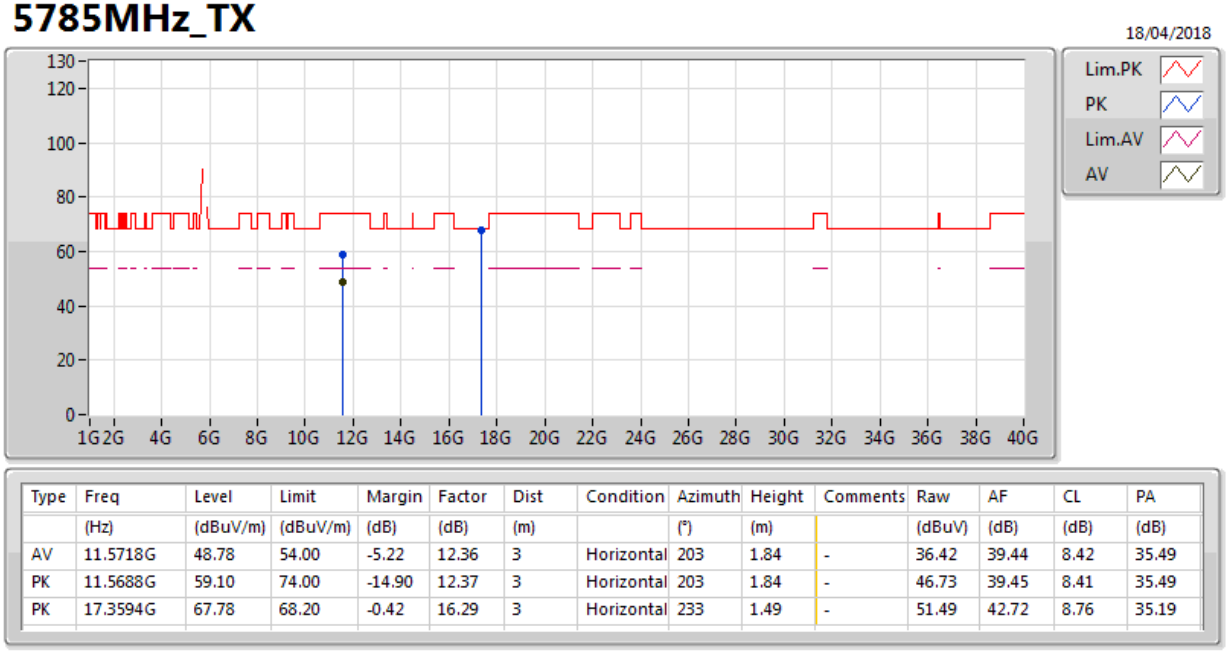
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.5684G	52.52	54.00	-1.48	12.37	3	Vertical	321	1.04	-	40.15	39.45	8.41	35.49
PK	11.5688G	62.92	74.00	-11.08	12.37	3	Vertical	321	1.04	-	50.55	39.45	8.41	35.49
PK	17.3594G	65.79	68.20	-2.41	16.29	3	Vertical	246	1.48	-	49.50	42.72	8.76	35.19

802.11a_Nss1,(6Mbps)_2TX

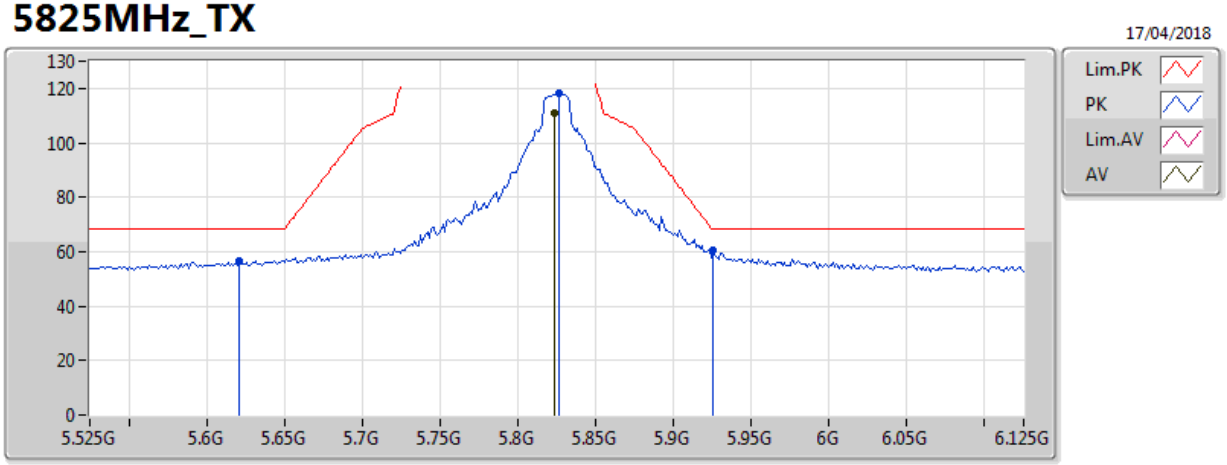
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.5718G	48.78	54.00	-5.22	12.36	3	Horizontal	203	1.84	-	36.42	39.44	8.42	35.49
PK	11.5688G	59.10	74.00	-14.90	12.37	3	Horizontal	203	1.84	-	46.73	39.45	8.41	35.49
PK	17.3594G	67.78	68.20	-0.42	16.29	3	Horizontal	233	1.49	-	51.49	42.72	8.76	35.19

802.11a_Nss1,(6Mbps)_2TX

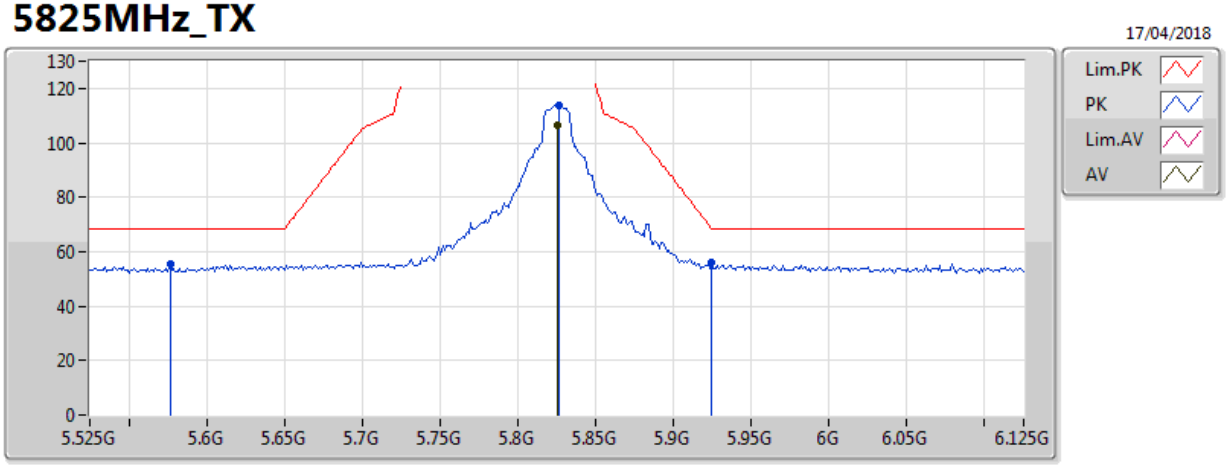
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8238G	110.75	Inf	-Inf	3.00	3	Vertical	261	1.66	-	107.75	32.29	5.90	35.19
PK	5.621G	56.76	68.20	-11.44	2.62	3	Vertical	261	1.66	-	54.14	32.05	5.75	35.18
PK	5.8262G	118.43	Inf	-Inf	3.00	3	Vertical	261	1.66	-	115.43	32.29	5.90	35.19
PK	5.9258G	60.58	68.20	-7.62	3.19	3	Vertical	261	1.66	-	57.39	32.41	5.97	35.19

802.11a_Nss1,(6Mbps)_2TX

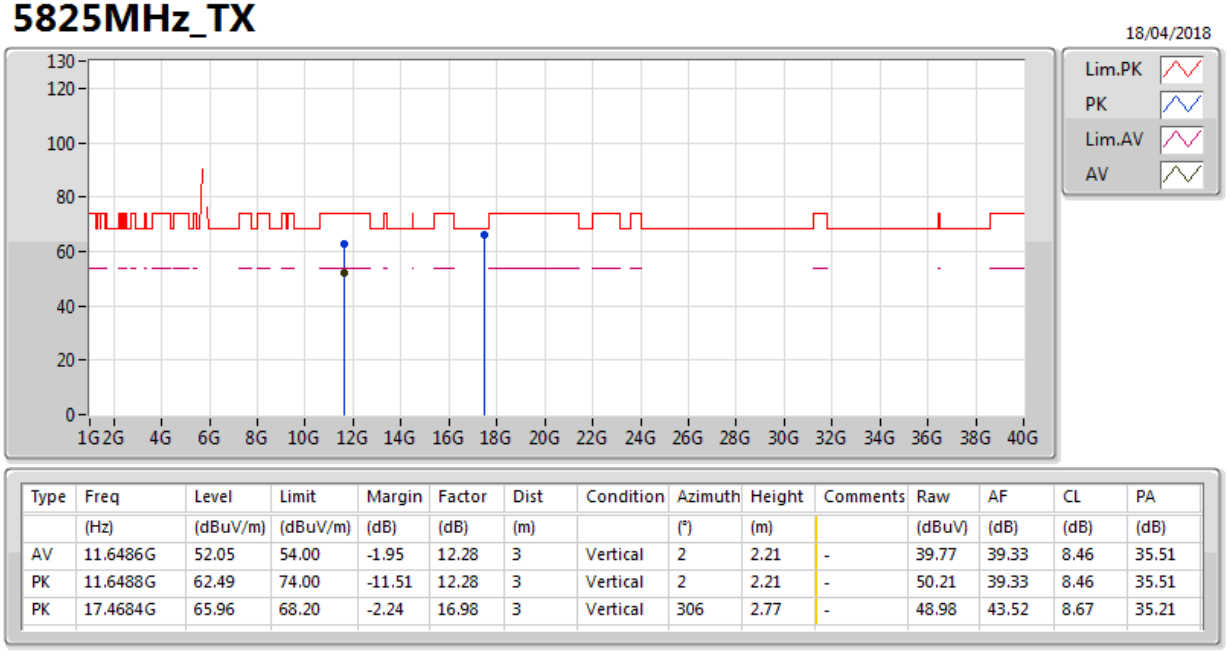
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.825G	106.58	Inf	-Inf	3.00	3	Horizontal	266	1.45	-	103.58	32.29	5.90	35.19
PK	5.5766G	55.35	68.20	-12.85	2.53	3	Horizontal	266	1.45	-	52.82	31.99	5.72	35.18
PK	5.8262G	113.77	Inf	-Inf	3.00	3	Horizontal	266	1.45	-	110.77	32.29	5.90	35.19
PK	5.9246G	56.29	68.50	-12.21	3.19	3	Horizontal	266	1.45	-	53.10	32.41	5.97	35.19

802.11a_Nss1,(6Mbps)_2TX

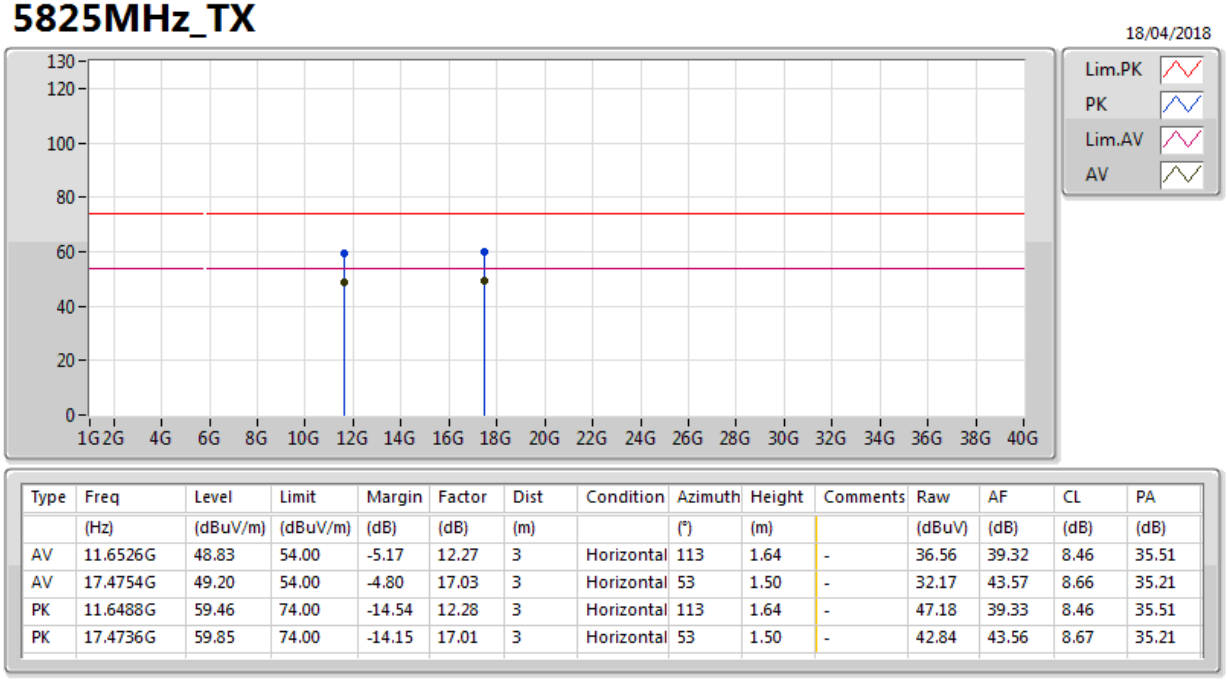
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.6486G	52.05	54.00	-1.95	12.28	3	Vertical	2	2.21	-	39.77	39.33	8.46	35.51
PK	11.6488G	62.49	74.00	-11.51	12.28	3	Vertical	2	2.21	-	50.21	39.33	8.46	35.51
PK	17.4684G	65.96	68.20	-2.24	16.98	3	Vertical	306	2.77	-	48.98	43.52	8.67	35.21

802.11a_Nss1,(6Mbps)_2TX

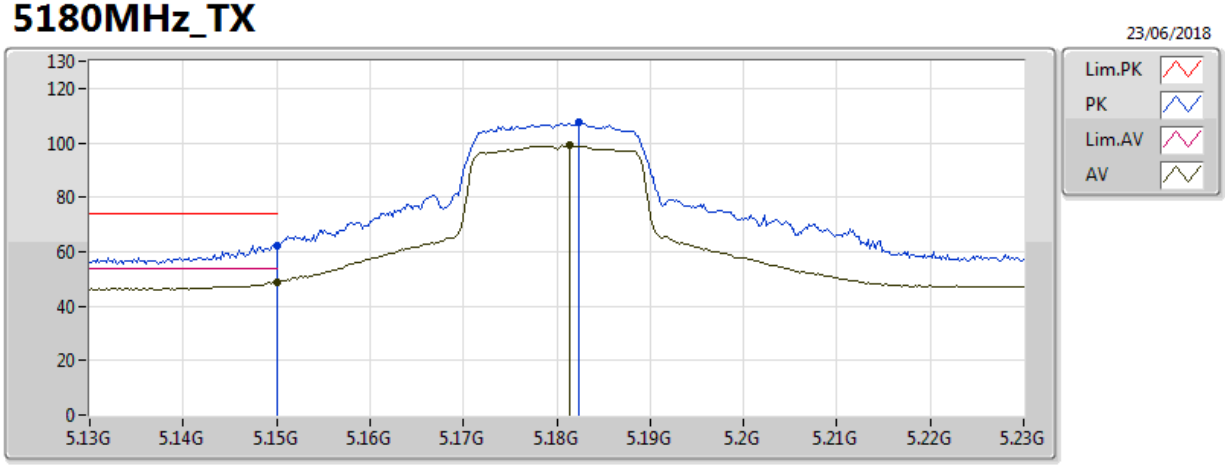
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.6526G	48.83	54.00	-5.17	12.27	3	Horizontal	113	1.64	-	36.56	39.32	8.46	35.51
AV	17.4754G	49.20	54.00	-4.80	17.03	3	Horizontal	53	1.50	-	32.17	43.57	8.66	35.21
PK	11.6488G	59.46	74.00	-14.54	12.28	3	Horizontal	113	1.64	-	47.18	39.33	8.46	35.51
PK	17.4736G	59.85	74.00	-14.15	17.01	3	Horizontal	53	1.50	-	42.84	43.56	8.67	35.21

802.11ac VHT20_Nss1,(MCS0)_2TX

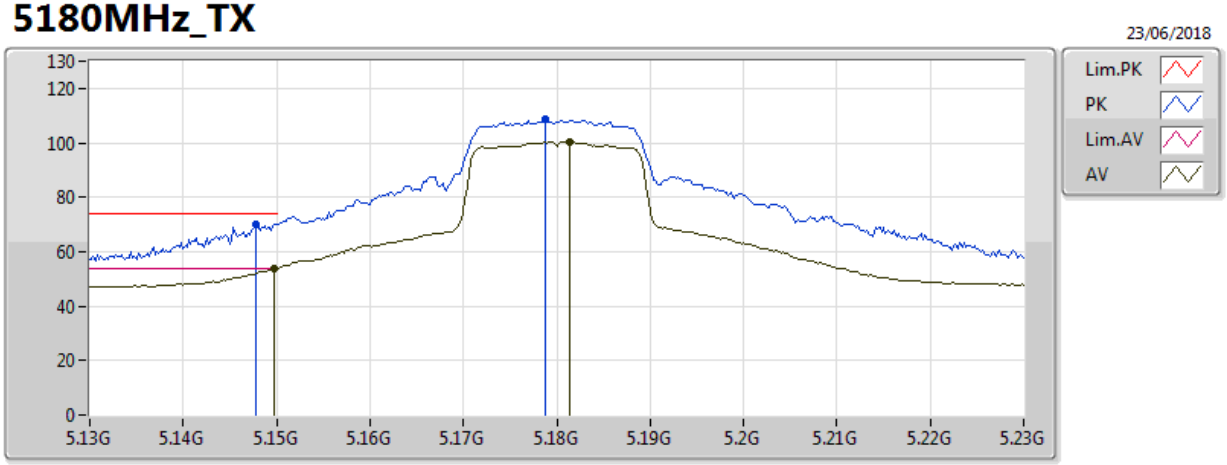
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.149995G	48.87	54.00	-5.13	3.68	3	Vertical	309	1.69	-
AV	5.1814G	99.00	Inf	-Inf	3.74	3	Vertical	309	1.69	-
PK	5.149995G	62.06	74.00	-11.94	3.68	3	Vertical	309	1.69	-
PK	5.1824G	107.73	Inf	-Inf	3.74	3	Vertical	309	1.69	-

802.11ac VHT20_Nss1,(MCS0)_2TX

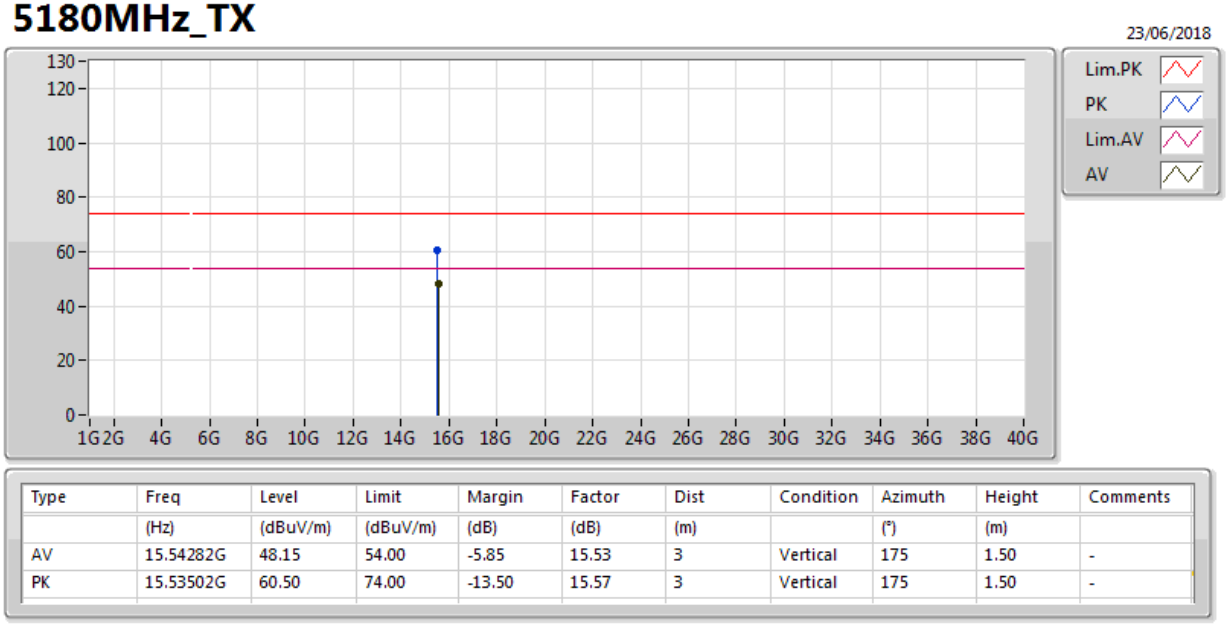
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1498G	53.85	54.00	-0.15	3.68	3	Horizontal	14	2.73	-
AV	5.1814G	100.31	Inf	-Inf	3.74	3	Horizontal	14	2.73	-
PK	5.1478G	70.30	74.00	-3.70	3.68	3	Horizontal	14	2.73	-
PK	5.1788G	108.66	Inf	-Inf	3.73	3	Horizontal	14	2.73	-

802.11ac VHT20_Nss1,(MCS0)_2TX

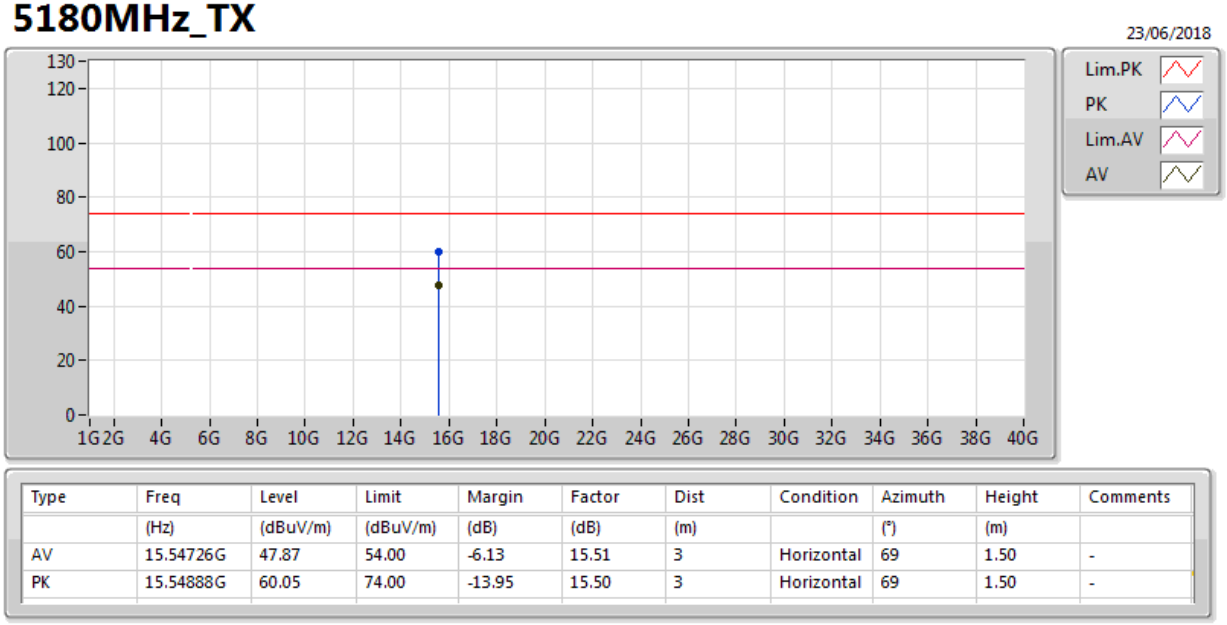
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.54282G	48.15	54.00	-5.85	15.53	3	Vertical	175	1.50	-
PK	15.53502G	60.50	74.00	-13.50	15.57	3	Vertical	175	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

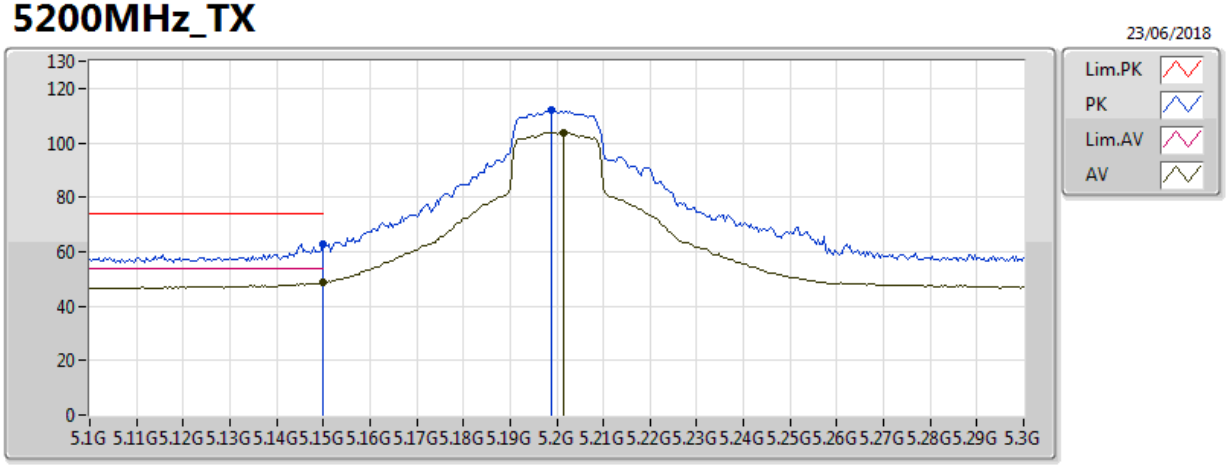
5180MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.54726G	47.87	54.00	-6.13	15.51	3	Horizontal	69	1.50	-
PK	15.54888G	60.05	74.00	-13.95	15.50	3	Horizontal	69	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

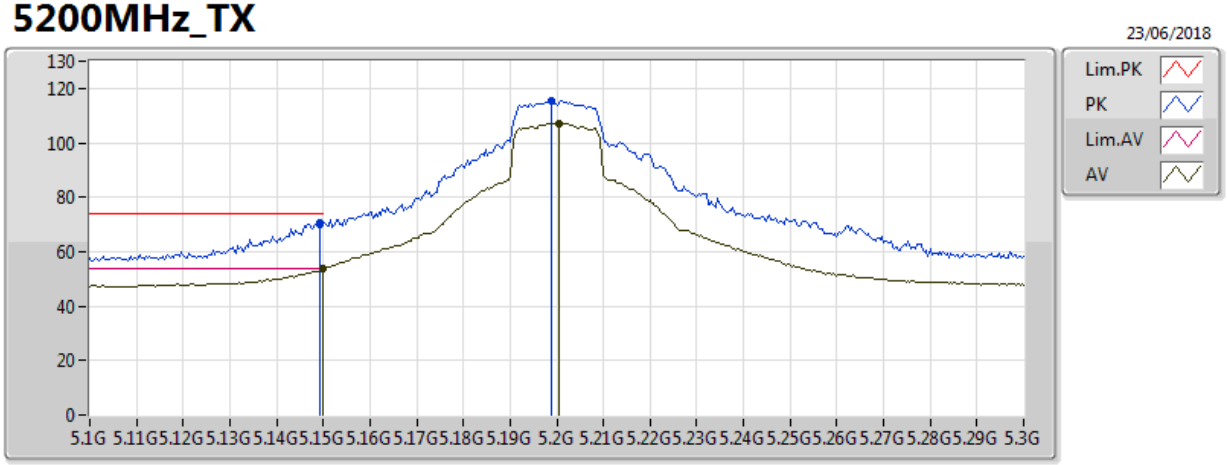
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.149995G	48.73	54.00	-5.27	3.68	3	Vertical	306	1.65	-
AV	5.2016G	103.83	Inf	-Inf	3.77	3	Vertical	306	1.65	-
PK	5.149995G	62.76	74.00	-11.24	3.68	3	Vertical	306	1.65	-
PK	5.1988G	111.86	Inf	-Inf	3.77	3	Vertical	306	1.65	-

802.11ac VHT20_Nss1,(MCS0)_2TX

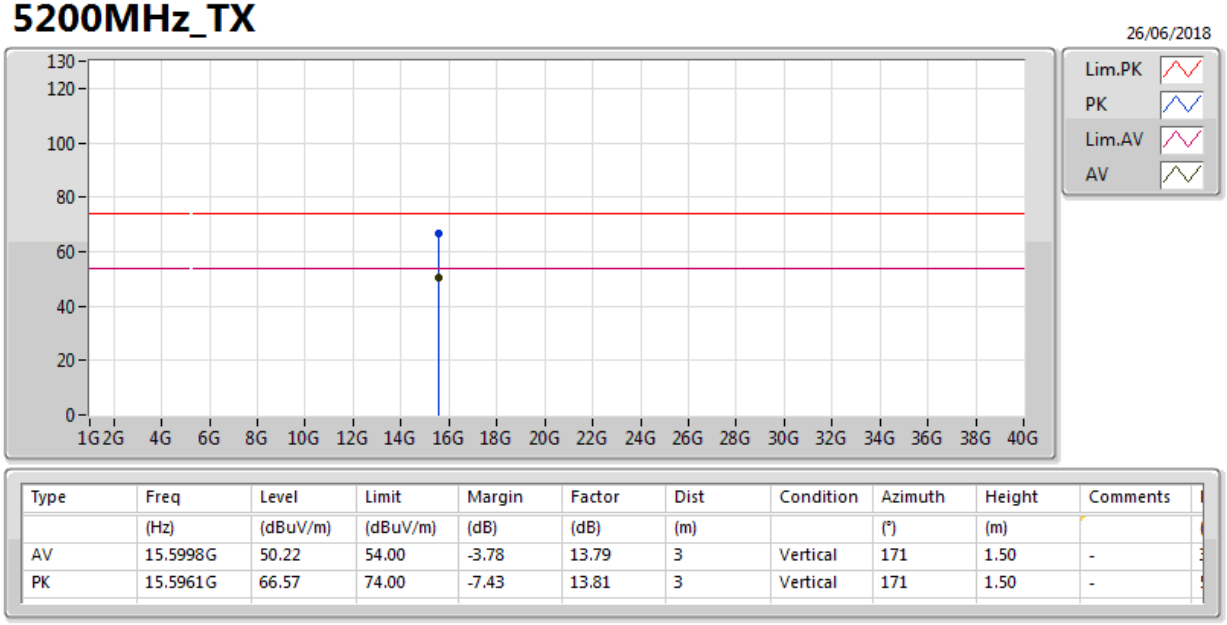
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.149995G	53.93	54.00	-0.07	3.68	3	Horizontal	328	1.50	-
AV	5.2004G	107.16	Inf	-Inf	3.77	3	Horizontal	328	1.50	-
PK	5.1492G	70.69	74.00	-3.31	3.68	3	Horizontal	328	1.50	-
PK	5.1988G	115.43	Inf	-Inf	3.77	3	Horizontal	328	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

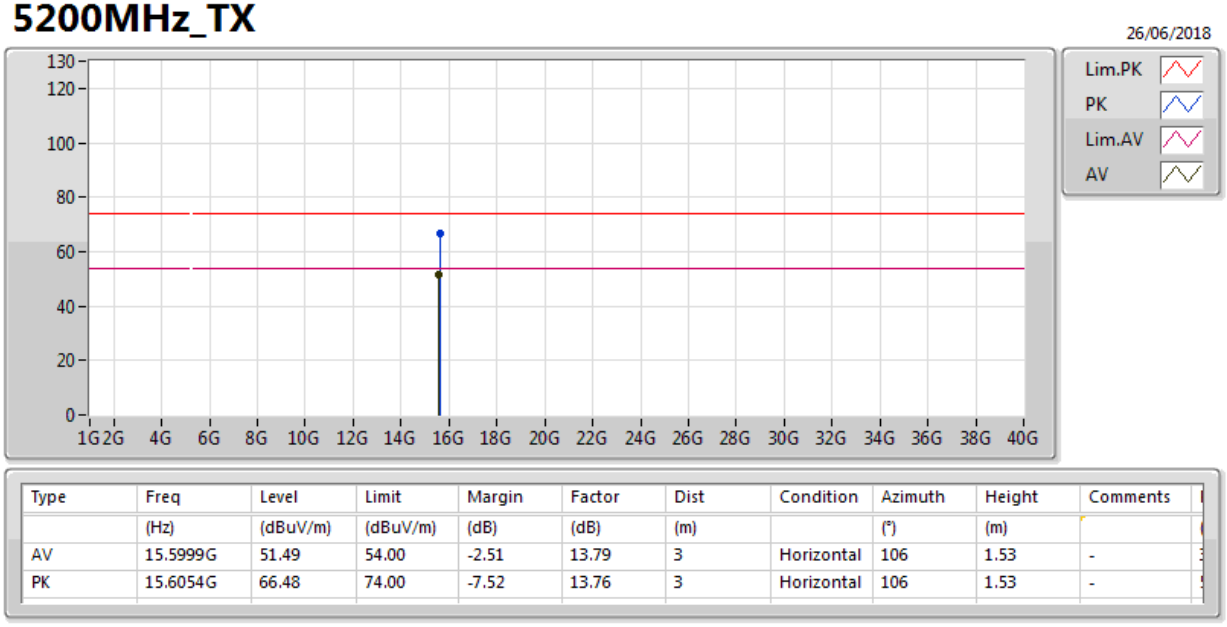
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.5998G	50.22	54.00	-3.78	13.79	3	Vertical	171	1.50	-
PK	15.5961G	66.57	74.00	-7.43	13.81	3	Vertical	171	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

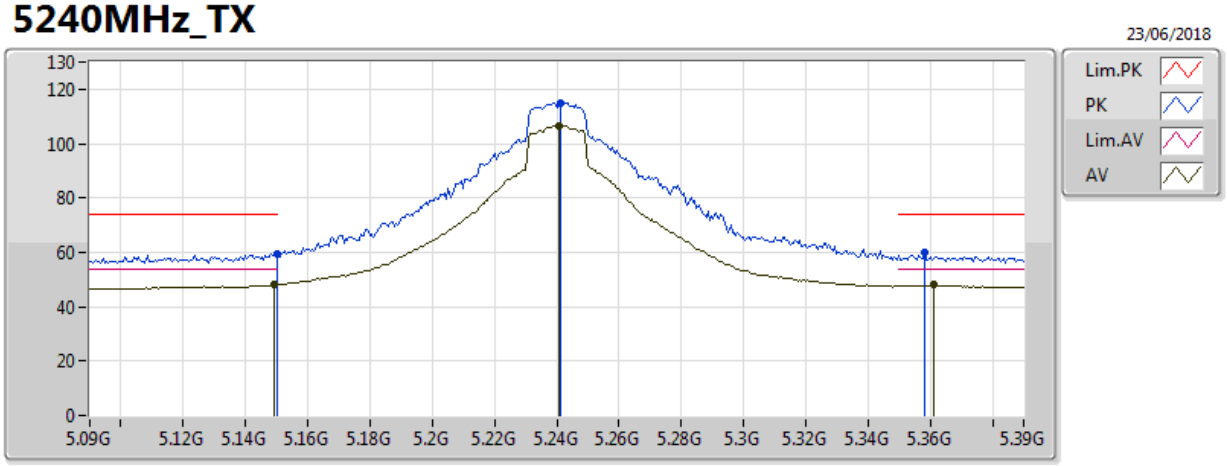
5200MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.5999G	51.49	54.00	-2.51	13.79	3	Horizontal	106	1.53	-
PK	15.6054G	66.48	74.00	-7.52	13.76	3	Horizontal	106	1.53	-

802.11ac VHT20_Nss1,(MCS0)_2TX

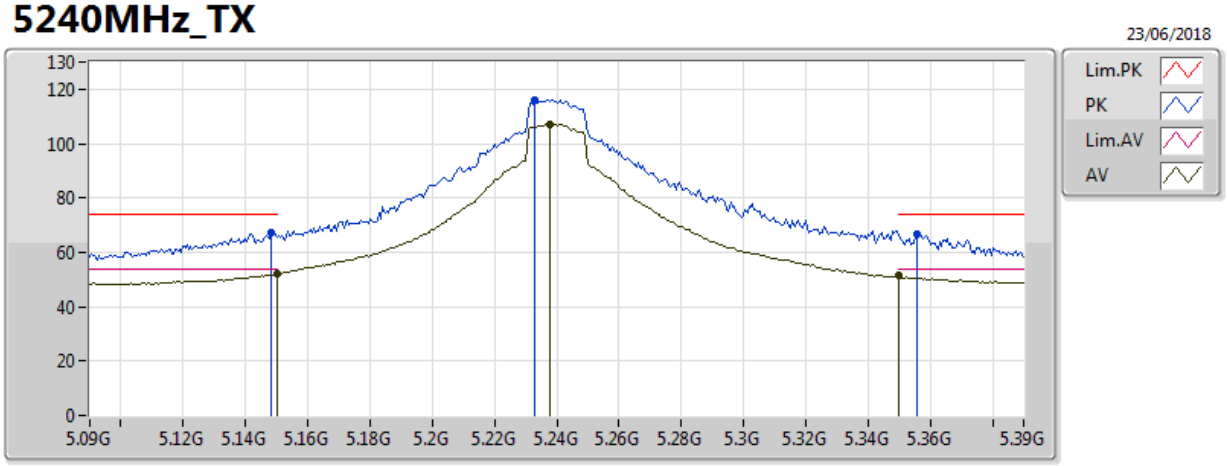
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1494G	48.14	54.00	-5.86	3.68	3	Vertical	303	1.57	-
AV	5.2406G	106.71	Inf	-Inf	3.85	3	Vertical	303	1.57	-
AV	5.3612G	47.92	54.00	-6.08	4.07	3	Vertical	303	1.57	-
PK	5.149995G	59.25	74.00	-14.75	3.68	3	Vertical	303	1.57	-
PK	5.2412G	115.14	Inf	-Inf	3.85	3	Vertical	303	1.57	-
PK	5.3582G	59.72	74.00	-14.28	4.06	3	Vertical	303	1.57	-

802.11ac VHT20_Nss1,(MCS0)_2TX

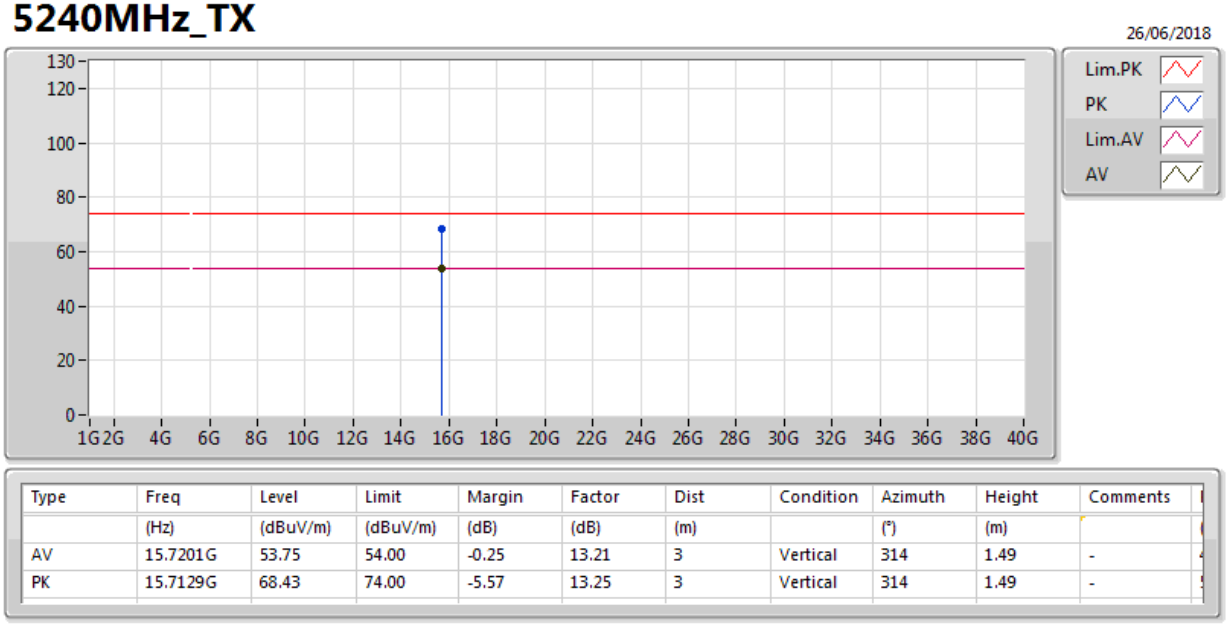
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.149995G	52.11	54.00	-1.89	3.68	3	Horizontal	19	2.57	-
AV	5.2376G	107.26	Inf	-Inf	3.84	3	Horizontal	19	2.57	-
AV	5.350005G	51.29	54.00	-2.71	4.05	3	Horizontal	19	2.57	-
PK	5.1482G	67.51	74.00	-6.49	3.68	3	Horizontal	19	2.57	-
PK	5.2328G	115.97	Inf	-Inf	3.83	3	Horizontal	19	2.57	-
PK	5.3558G	66.56	74.00	-7.44	4.06	3	Horizontal	19	2.57	-

802.11ac VHT20_Nss1,(MCS0)_2TX

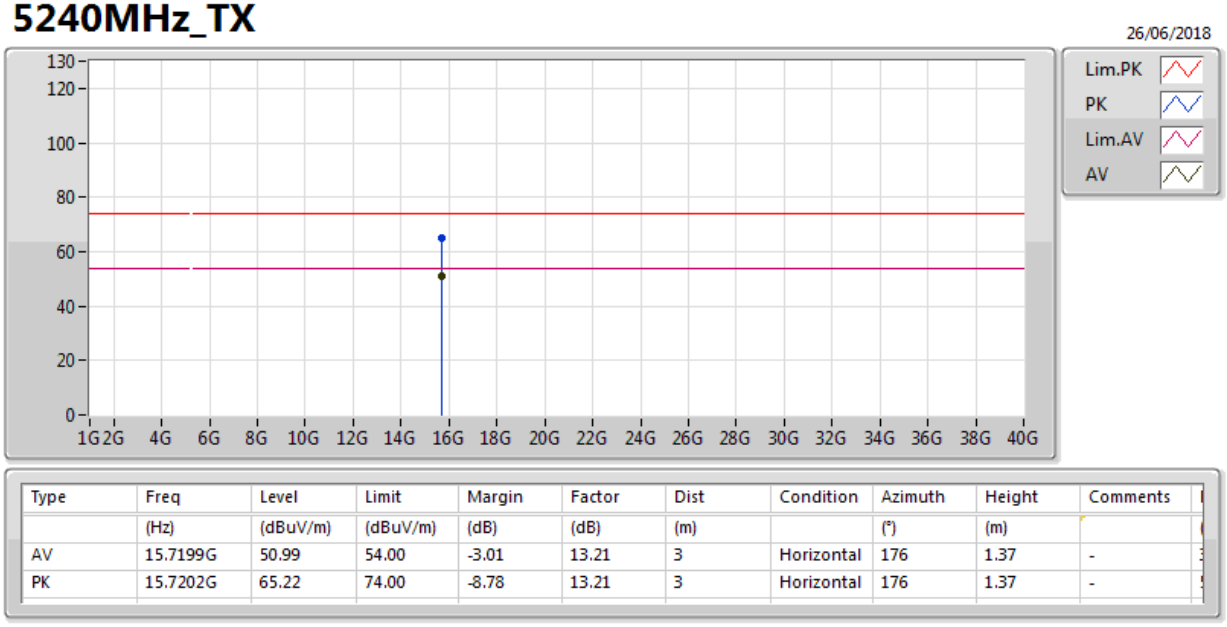
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.7201G	53.75	54.00	-0.25	13.21	3	Vertical	314	1.49	-
PK	15.7129G	68.43	74.00	-5.57	13.25	3	Vertical	314	1.49	-

802.11ac VHT20_Nss1,(MCS0)_2TX

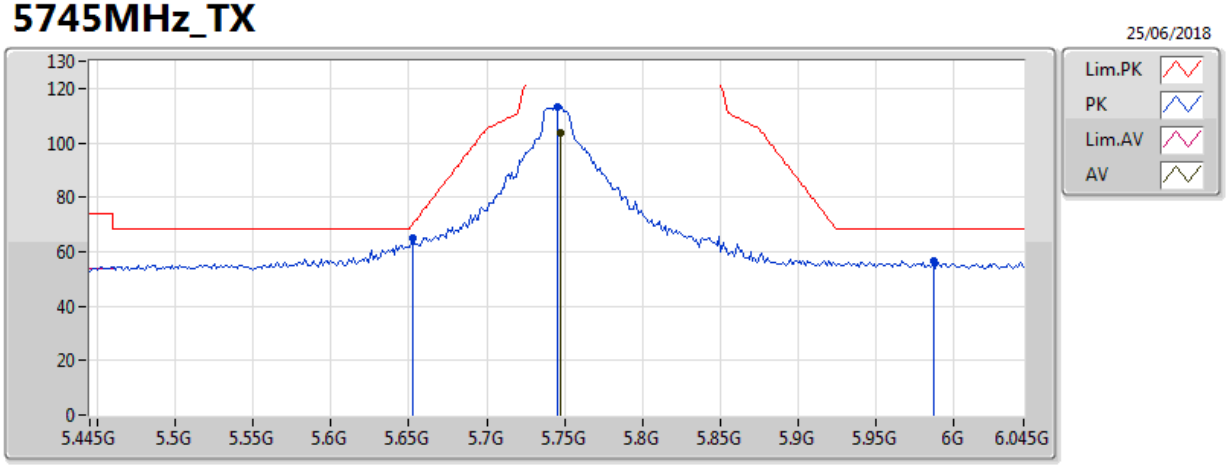
5240MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.7199G	50.99	54.00	-3.01	13.21	3	Horizontal	176	1.37	-
PK	15.7202G	65.22	74.00	-8.78	13.21	3	Horizontal	176	1.37	-

802.11ac VHT20_Nss1,(MCS0)_2TX

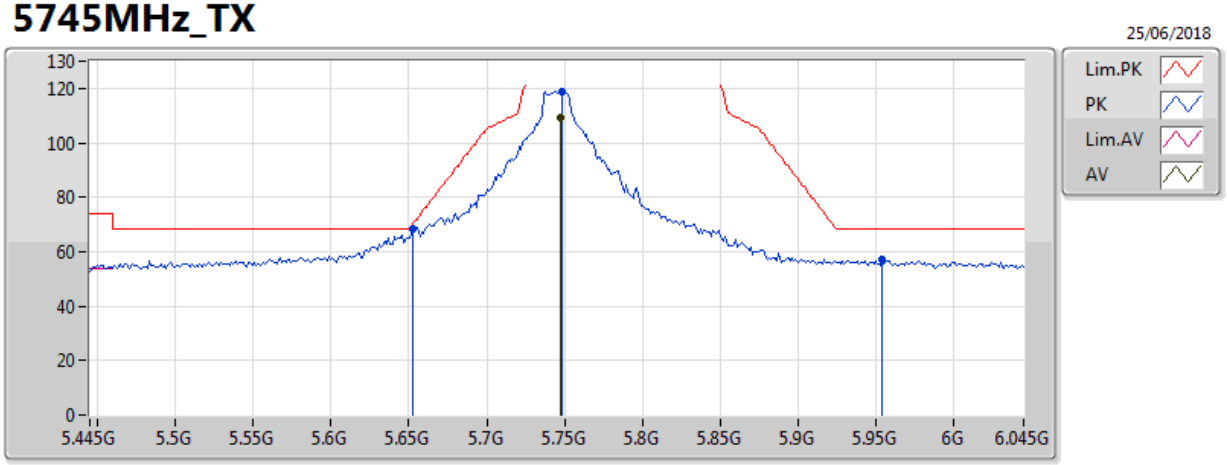
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7474G	103.60	Inf	-Inf	3.63	3	Vertical	313	1.45	-
PK	5.6526G	64.86	70.12	-5.26	3.44	3	Vertical	313	1.45	-
PK	5.745G	113.41	Inf	-Inf	3.63	3	Vertical	313	1.45	-
PK	5.9874G	56.57	68.20	-11.63	4.10	3	Vertical	313	1.45	-

802.11ac VHT20_Nss1,(MCS0)_2TX

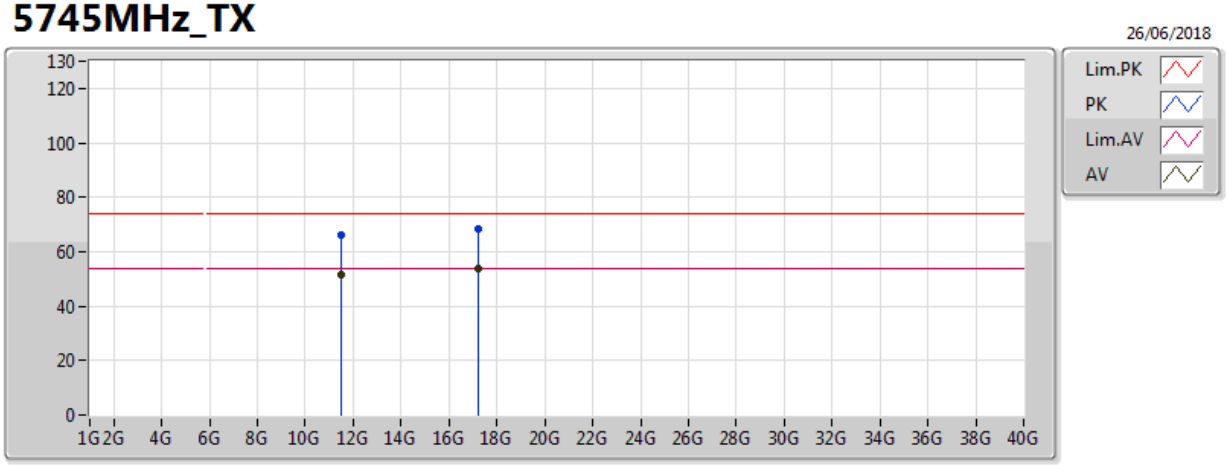
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7474G	109.33	Inf	-Inf	3.63	3	Horizontal	36	2.19	-
PK	5.6526G	68.21	70.12	-1.91	3.44	3	Horizontal	36	2.19	-
PK	5.7486G	118.93	Inf	-Inf	3.63	3	Horizontal	36	2.19	-
PK	5.9538G	56.95	68.20	-11.25	4.04	3	Horizontal	36	2.19	-

802.11ac VHT20_Nss1,(MCS0)_2TX

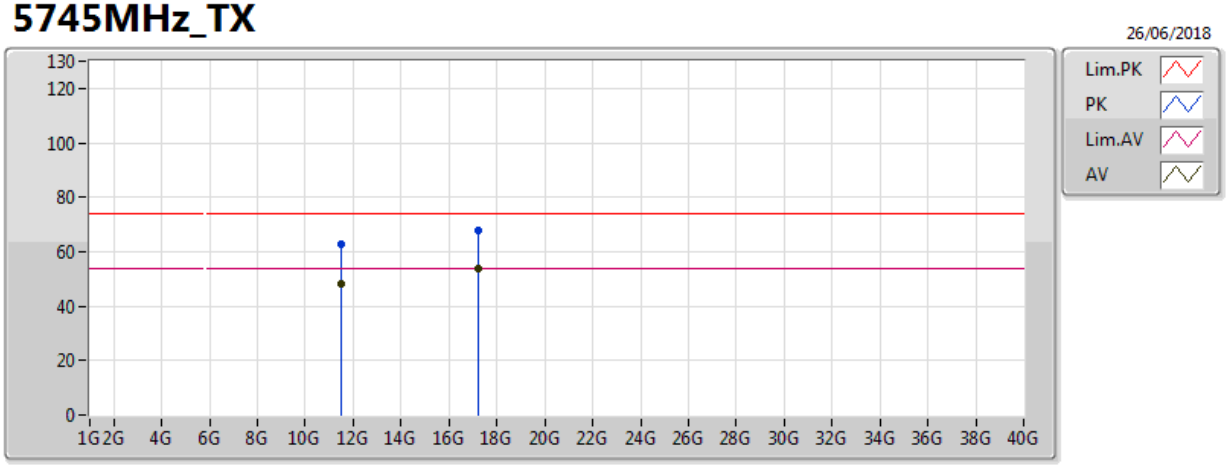
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.4898G	51.80	54.00	-2.20	13.58	3	Vertical	26	1.14	-
AV	17.235G	53.72	54.00	-0.28	16.90	3	Vertical	312	1.68	-
PK	11.4872G	65.99	74.00	-8.01	13.58	3	Vertical	26	1.14	-
PK	17.2313G	68.60	74.00	-5.40	16.88	3	Vertical	312	1.68	-

802.11ac VHT20_Nss1,(MCS0)_2TX

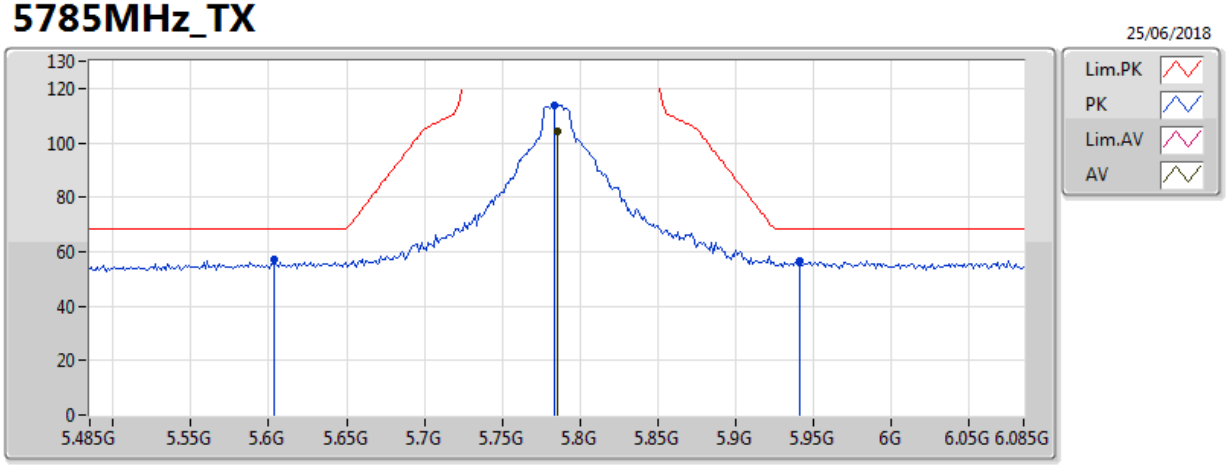
5745MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.4882G	47.97	54.00	-6.03	13.58	3	Horizontal	66	2.22	-
AV	17.2352G	53.55	54.00	-0.45	16.90	3	Horizontal	251	1.50	-
PK	11.4823G	62.78	74.00	-11.22	13.59	3	Horizontal	66	2.22	-
PK	17.2279G	68.01	74.00	-5.99	16.85	3	Horizontal	251	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

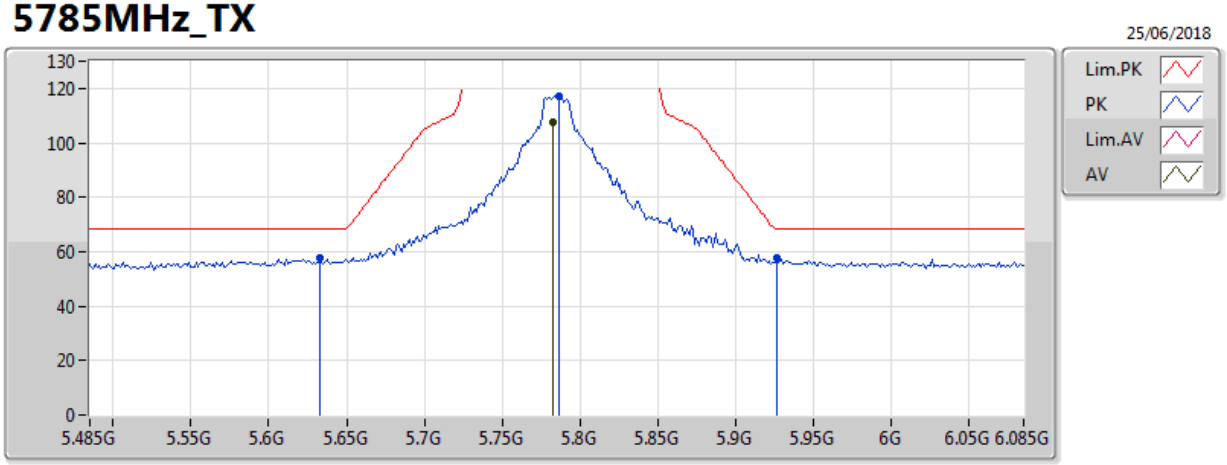
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.785G	104.08	Inf	-Inf	3.70	3	Vertical	196	1.29	-
PK	5.6038G	56.90	68.20	-11.30	3.35	3	Vertical	196	1.29	-
PK	5.7838G	113.96	Inf	-Inf	3.70	3	Vertical	196	1.29	-
PK	5.941G	56.65	68.20	-11.55	4.02	3	Vertical	196	1.29	-

802.11ac VHT20_Nss1,(MCS0)_2TX

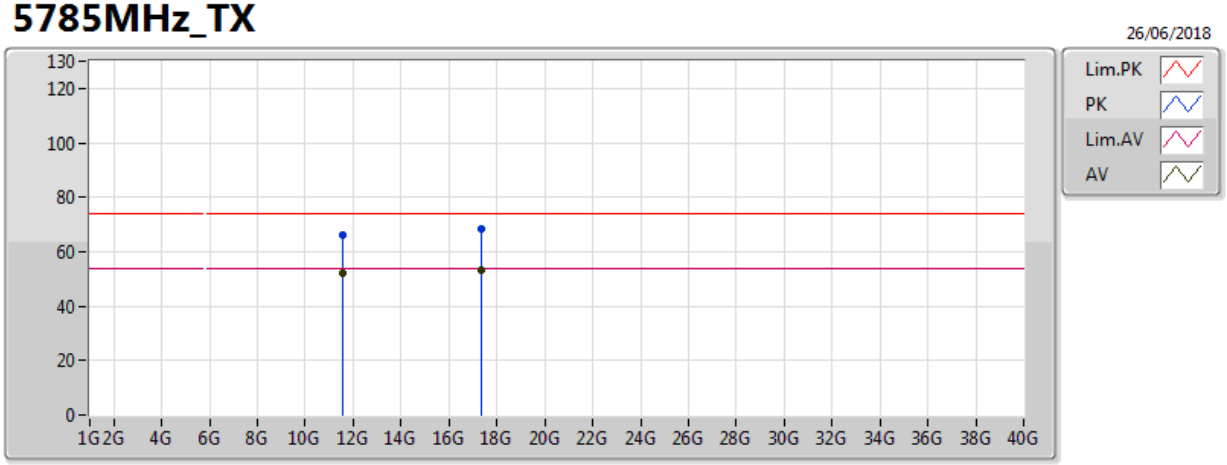
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7826G	107.39	Inf	-Inf	3.70	3	Horizontal	19	1.01	-
PK	5.6326G	57.64	68.20	-10.56	3.41	3	Horizontal	19	1.01	-
PK	5.7862G	117.21	Inf	-Inf	3.70	3	Horizontal	19	1.01	-
PK	5.9266G	57.91	68.20	-10.29	3.99	3	Horizontal	19	1.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

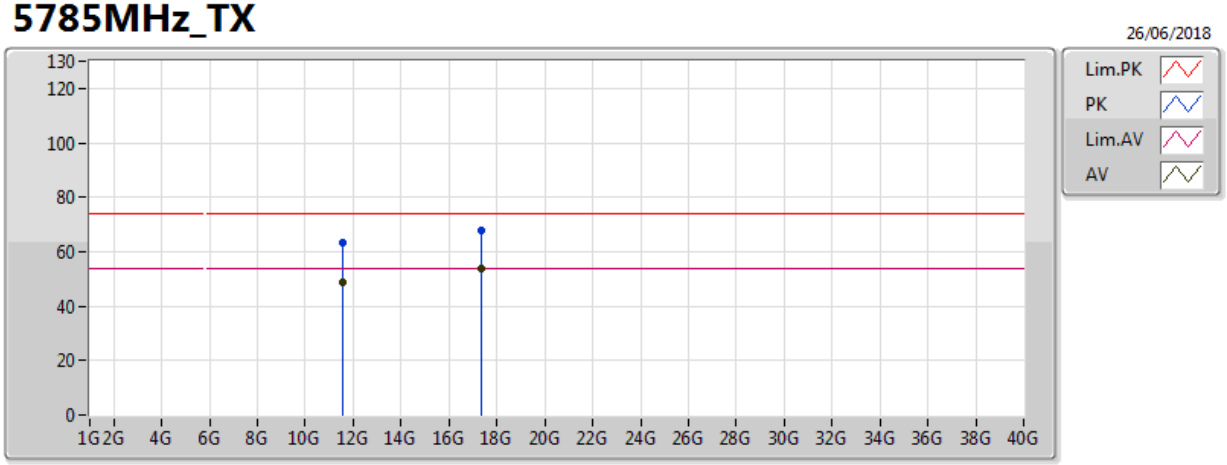
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.57G	51.90	54.00	-2.10	13.51	3	Vertical	272	2.10	-
AV	17.3549G	53.13	54.00	-0.87	17.72	3	Vertical	309	1.89	-
PK	11.5671G	66.06	74.00	-7.94	13.51	3	Vertical	272	2.10	-
PK	17.3526G	68.41	74.00	-5.59	17.70	3	Vertical	309	1.89	-

802.11ac VHT20_Nss1,(MCS0)_2TX

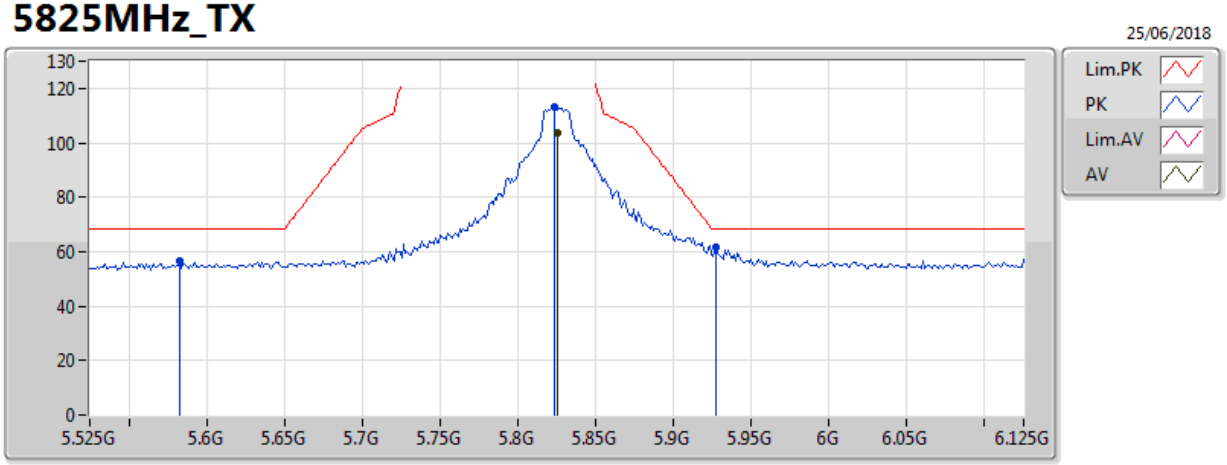
5785MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.57G	48.86	54.00	-5.14	13.51	3	Horizontal	132	1.64	-
AV	17.3588G	53.60	54.00	-0.40	17.74	3	Horizontal	24	1.50	-
PK	11.5687G	63.20	74.00	-10.80	13.51	3	Horizontal	132	1.64	-
PK	17.3552G	67.90	74.00	-6.10	17.72	3	Horizontal	24	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

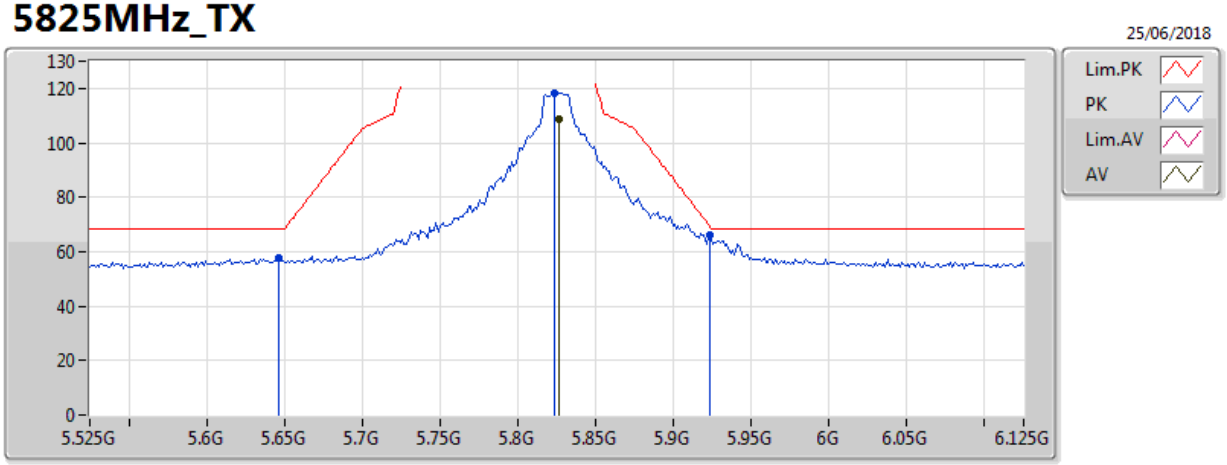
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.825G	103.62	Inf	-Inf	3.78	3	Vertical	313	1.35	-
PK	5.5826G	56.78	68.20	-11.42	3.31	3	Vertical	313	1.35	-
PK	5.8238G	112.95	Inf	-Inf	3.78	3	Vertical	313	1.35	-
PK	5.927G	61.72	68.20	-6.48	3.99	3	Vertical	313	1.35	-

802.11ac VHT20_Nss1,(MCS0)_2TX

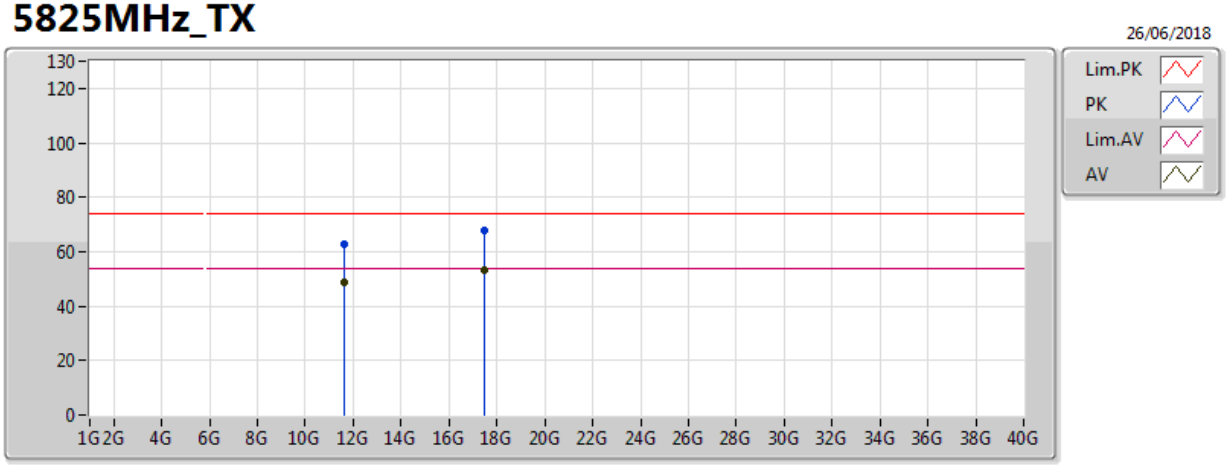
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.8262G	108.80	Inf	-Inf	3.78	3	Horizontal	31	2.11	-
PK	5.6462G	57.95	68.20	-10.25	3.43	3	Horizontal	31	2.11	-
PK	5.8238G	118.17	Inf	-Inf	3.78	3	Horizontal	31	2.11	-
PK	5.9234G	66.31	69.38	-3.07	3.98	3	Horizontal	31	2.11	-

802.11ac VHT20_Nss1,(MCS0)_2TX

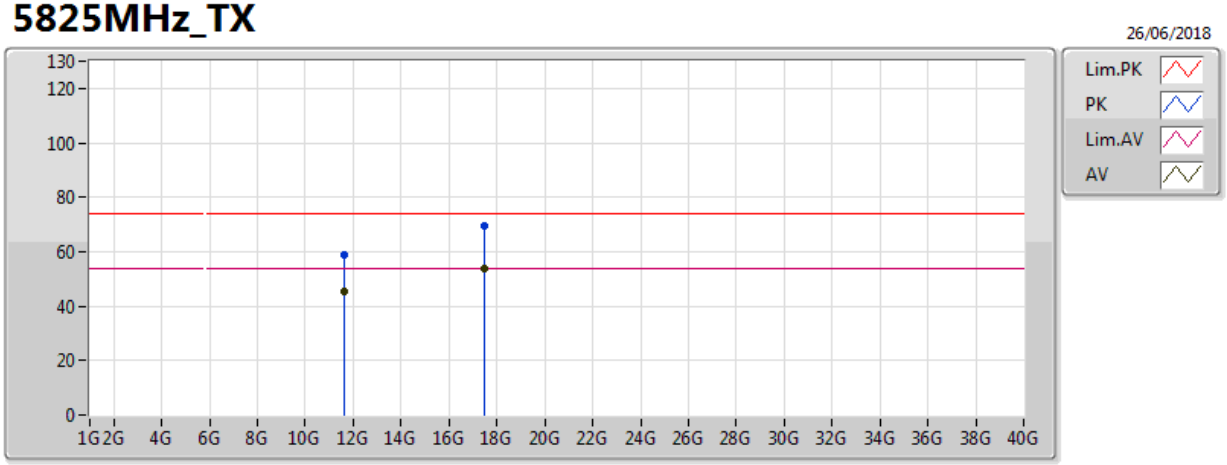
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.65G	48.86	54.00	-5.14	13.43	3	Vertical	322	1.60	-
AV	17.4753G	53.16	54.00	-0.84	18.54	3	Vertical	305	1.96	-
PK	11.6506G	62.86	74.00	-11.14	13.43	3	Vertical	322	1.60	-
PK	17.4713G	68.00	74.00	-6.00	18.51	3	Vertical	305	1.96	-

802.11ac VHT20_Nss1,(MCS0)_2TX

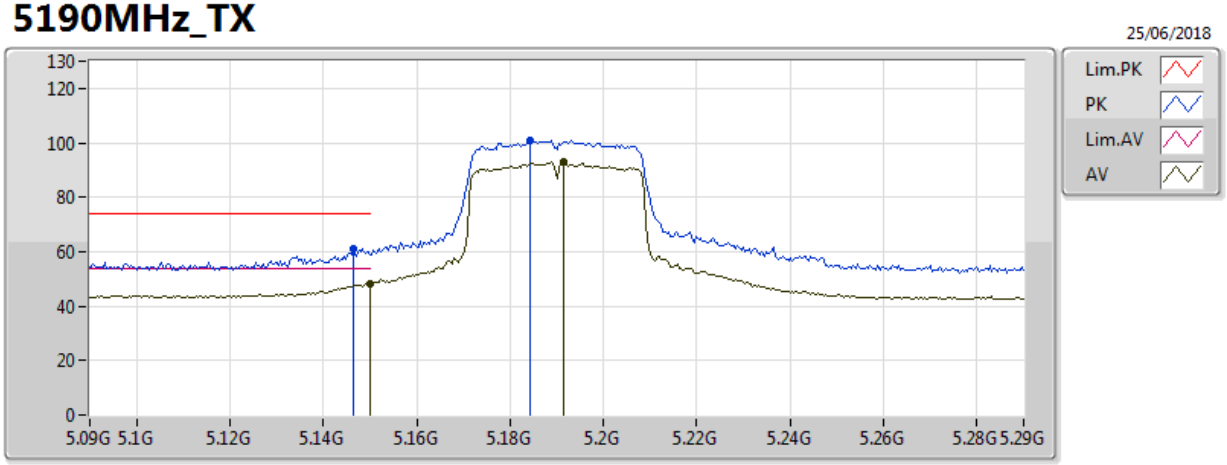
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.65G	45.14	54.00	-8.86	13.43	3	Horizontal	54	2.49	-
AV	17.4765G	53.71	54.00	-0.29	18.54	3	Horizontal	15	1.47	-
PK	11.6505G	58.67	74.00	-15.33	13.43	3	Horizontal	54	2.49	-
PK	17.4804G	69.48	74.00	-4.52	18.57	3	Horizontal	15	1.47	-

802.11ac VHT40_Nss1,(MCS0)_2TX

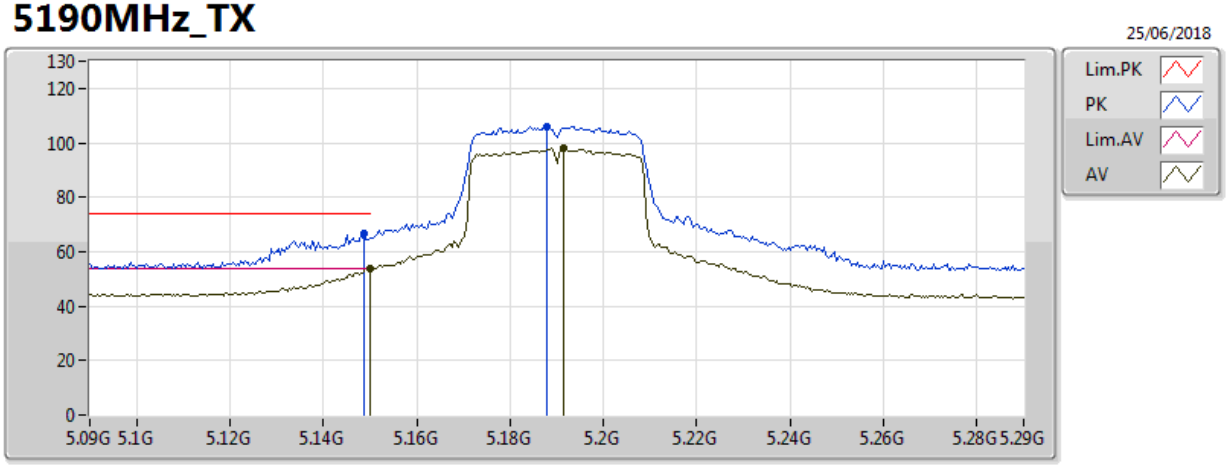
5190MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.149995G	48.24	54.00	-5.76	2.74	3	Vertical	57	1.75	-
AV	5.1916G	92.96	Inf	-Inf	2.79	3	Vertical	57	1.75	-
PK	5.1464G	60.84	74.00	-13.16	2.74	3	Vertical	57	1.75	-
PK	5.1844G	101.06	Inf	-Inf	2.78	3	Vertical	57	1.75	-

802.11ac VHT40_Nss1,(MCS0)_2TX

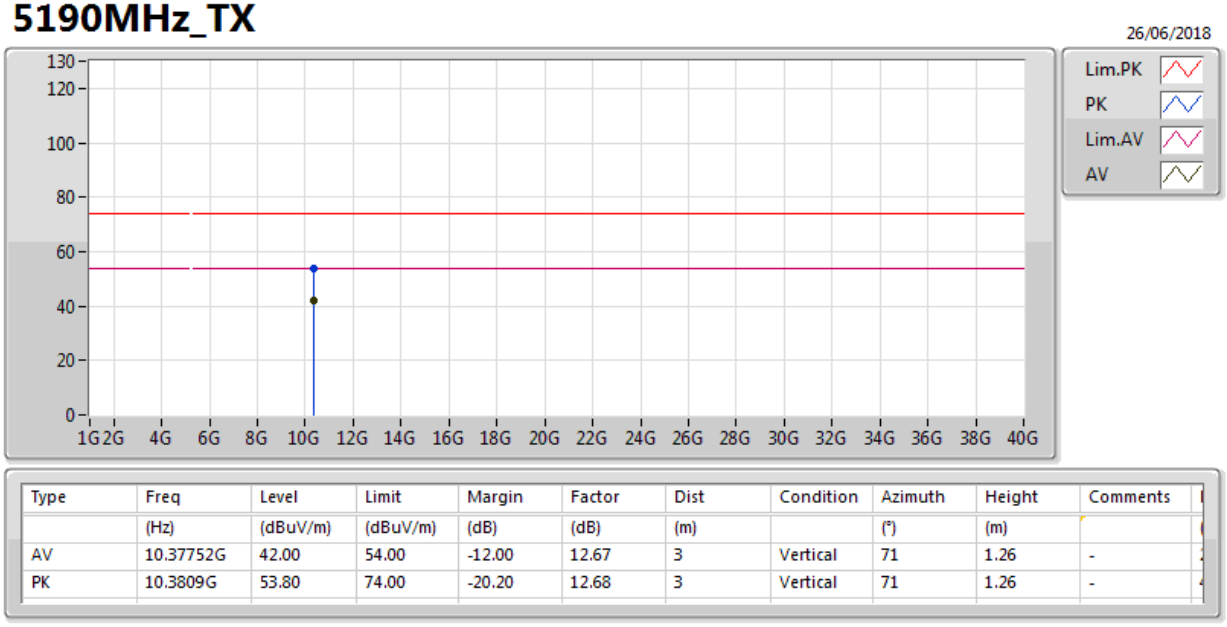
5190MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.149995G	53.73	54.00	-0.27	2.74	3	Horizontal	10	2.22	-
AV	5.1916G	98.15	Inf	-Inf	2.79	3	Horizontal	10	2.22	-
PK	5.1488G	66.45	74.00	-7.55	2.74	3	Horizontal	10	2.22	-
PK	5.188G	105.83	Inf	-Inf	2.79	3	Horizontal	10	2.22	-

802.11ac VHT40_Nss1,(MCS0)_2TX

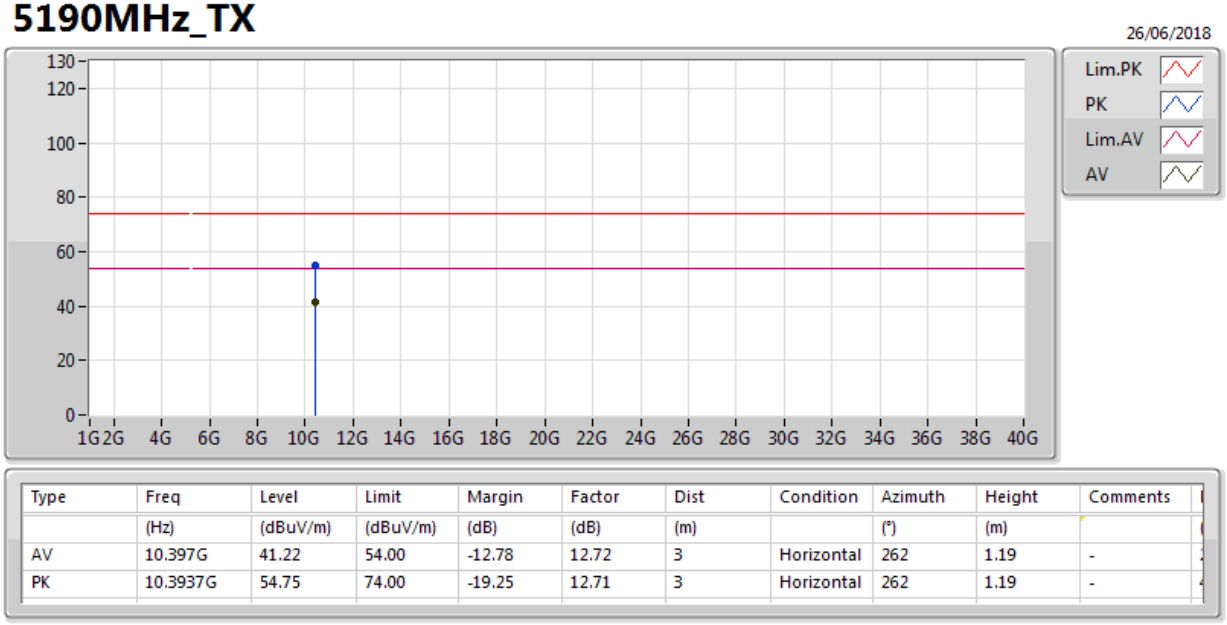
5190MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.37752G	42.00	54.00	-12.00	12.67	3	Vertical	71	1.26	-
PK	10.3809G	53.80	74.00	-20.20	12.68	3	Vertical	71	1.26	-

802.11ac VHT40_Nss1,(MCS0)_2TX

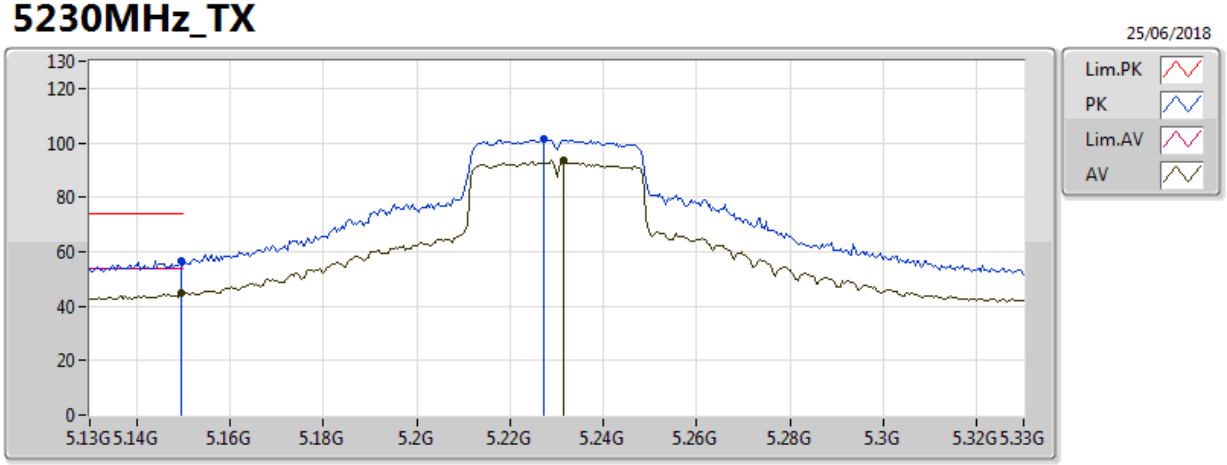
5190MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.397G	41.22	54.00	-12.78	12.72	3	Horizontal	262	1.19	-
PK	10.3937G	54.75	74.00	-19.25	12.71	3	Horizontal	262	1.19	-

802.11ac VHT40_Nss1,(MCS0)_2TX

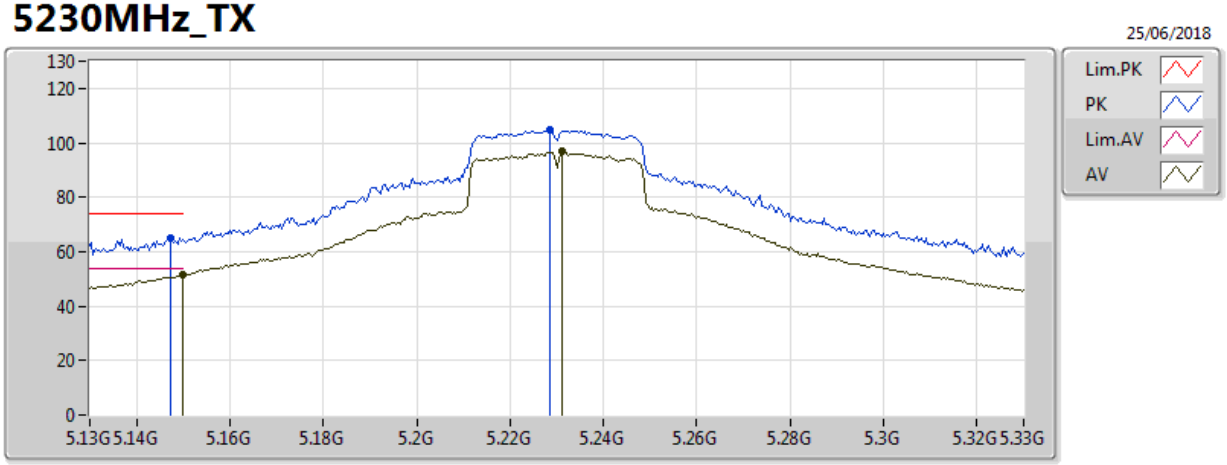
5230MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1496G	44.73	54.00	-9.27	2.74	3	Vertical	24	1.50	-
AV	5.2316G	93.46	Inf	-Inf	2.83	3	Vertical	24	1.50	-
PK	5.1496G	56.54	74.00	-17.46	2.74	3	Vertical	24	1.50	-
PK	5.2272G	101.41	Inf	-Inf	2.83	3	Vertical	24	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

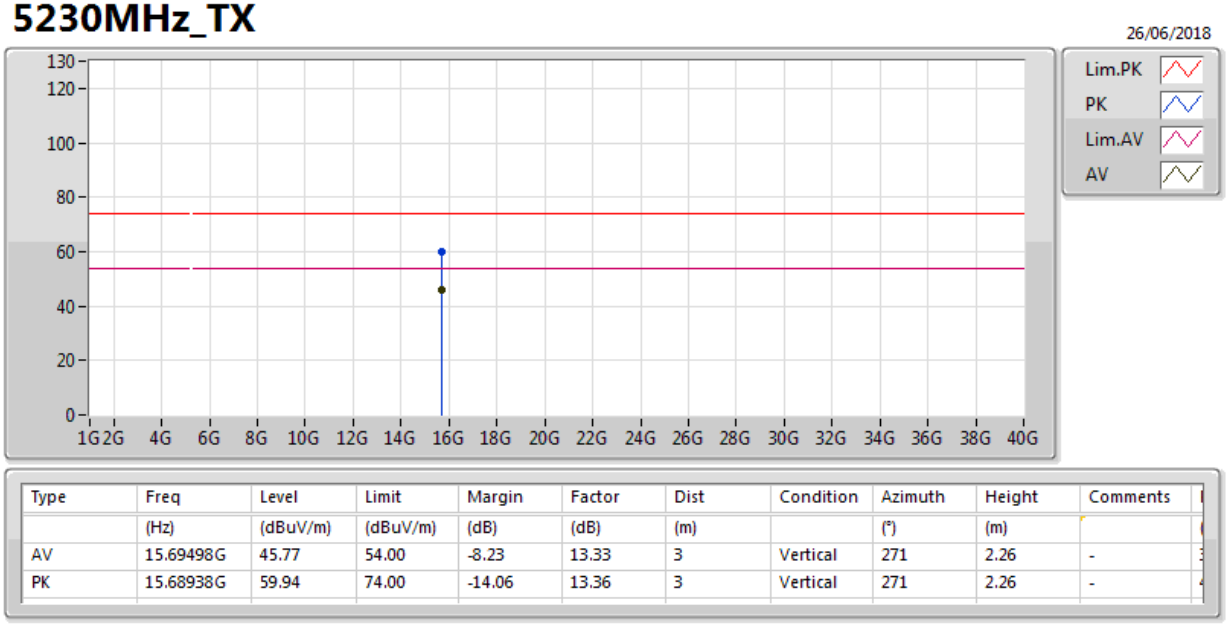
5230MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.149995G	51.47	54.00	-2.53	2.74	3	Horizontal	333	1.61	-
AV	5.2312G	96.70	Inf	-Inf	2.83	3	Horizontal	333	1.61	-
PK	5.1472G	64.80	74.00	-9.20	2.74	3	Horizontal	333	1.61	-
PK	5.2284G	104.54	Inf	-Inf	2.83	3	Horizontal	333	1.61	-

802.11ac VHT40_Nss1,(MCS0)_2TX

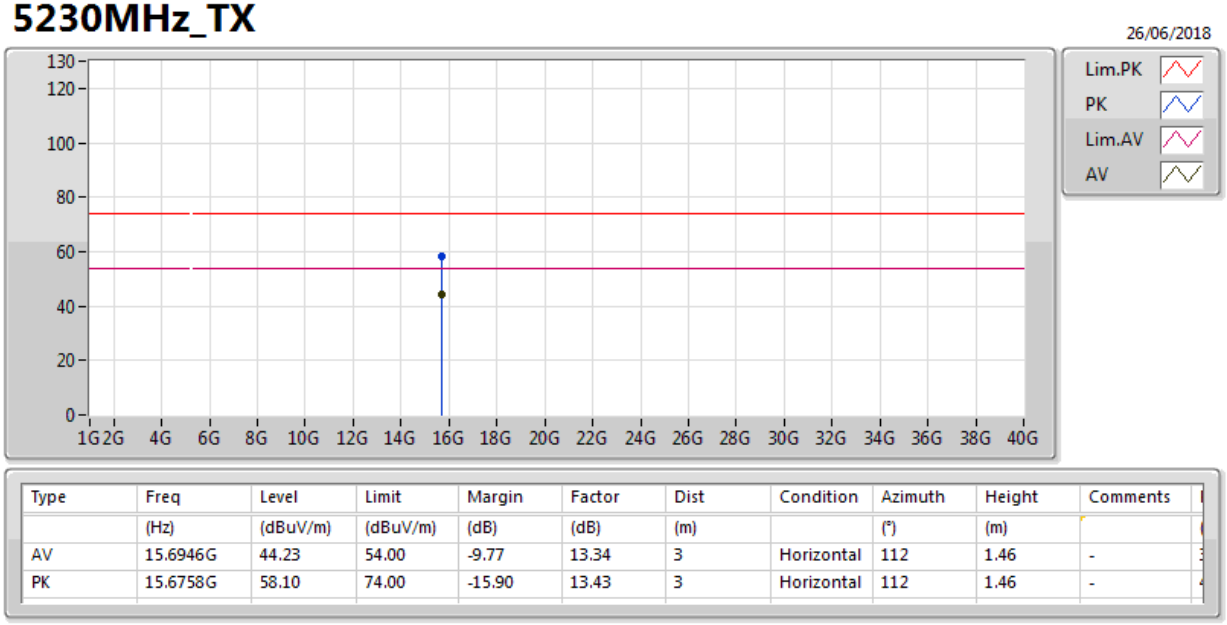
5230MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.69498G	45.77	54.00	-8.23	13.33	3	Vertical	271	2.26	-
PK	15.68938G	59.94	74.00	-14.06	13.36	3	Vertical	271	2.26	-

802.11ac VHT40_Nss1,(MCS0)_2TX

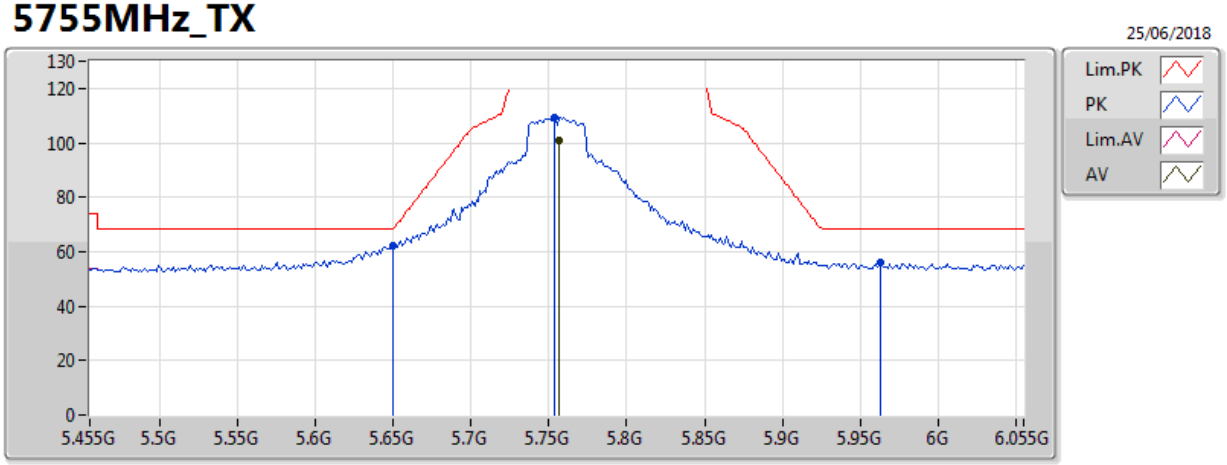
5230MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.6946G	44.23	54.00	-9.77	13.34	3	Horizontal	112	1.46	-
PK	15.6758G	58.10	74.00	-15.90	13.43	3	Horizontal	112	1.46	-

802.11ac VHT40_Nss1,(MCS0)_2TX

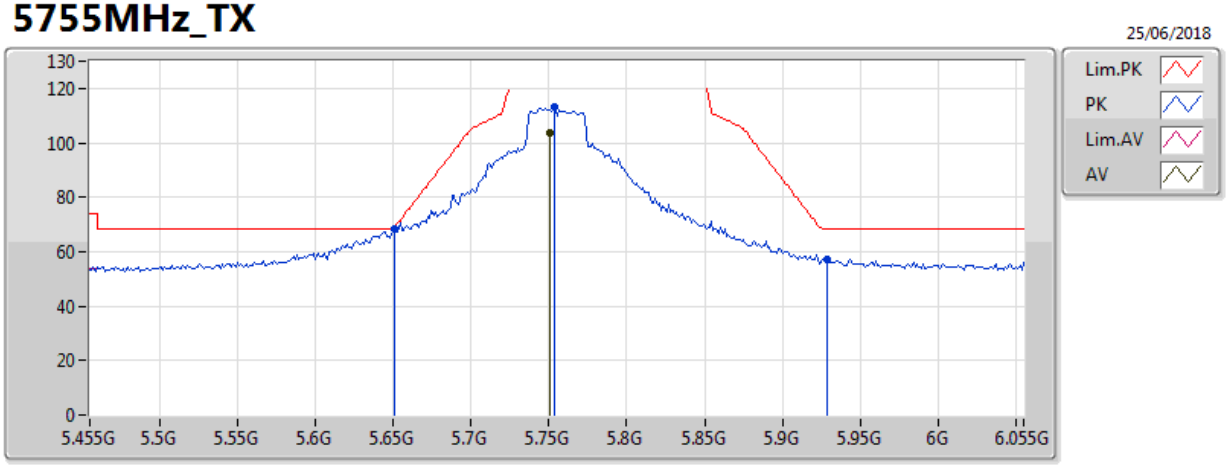
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7562G	100.69	Inf	-Inf	3.65	3	Vertical	195	1.29	-
PK	5.6494G	62.41	68.20	-5.79	3.44	3	Vertical	195	1.29	-
PK	5.7538G	109.50	Inf	-Inf	3.64	3	Vertical	195	1.29	-
PK	5.9626G	56.30	68.20	-11.90	4.05	3	Vertical	195	1.29	-

802.11ac VHT40_Nss1,(MCS0)_2TX

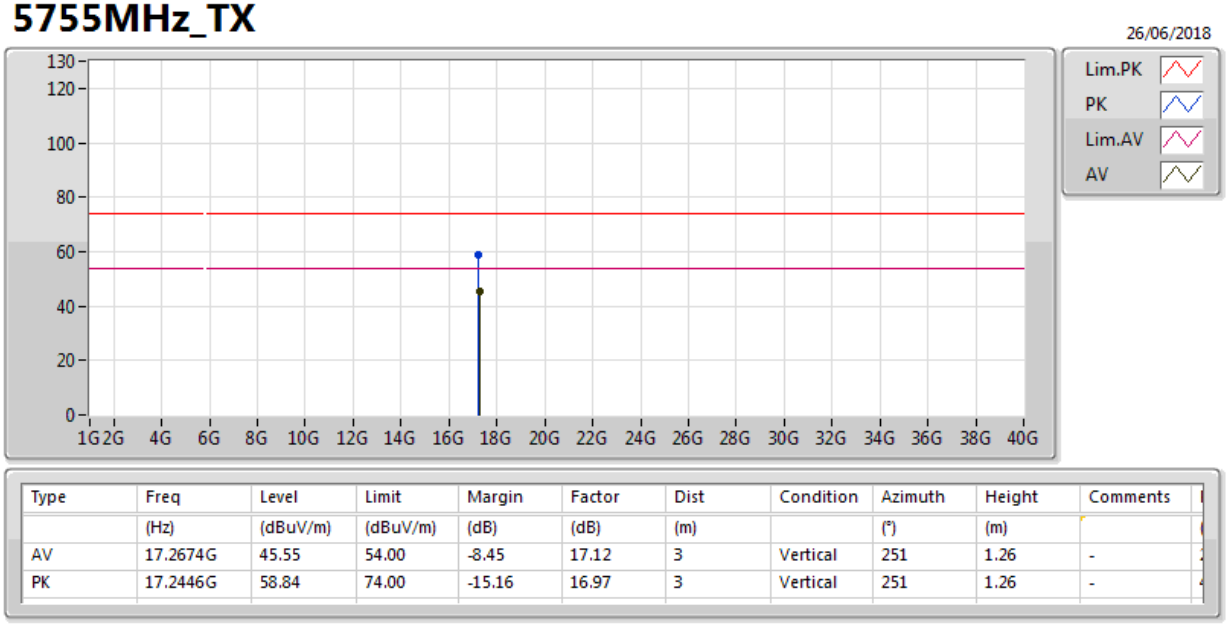
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7502G	103.57	Inf	-Inf	3.64	3	Horizontal	19	1.01	-
PK	5.6506G	68.26	68.64	-0.38	3.44	3	Horizontal	19	1.01	-
PK	5.7538G	113.00	Inf	-Inf	3.64	3	Horizontal	19	1.01	-
PK	5.929G	57.09	68.20	-11.11	3.99	3	Horizontal	19	1.01	-

802.11ac VHT40_Nss1,(MCS0)_2TX

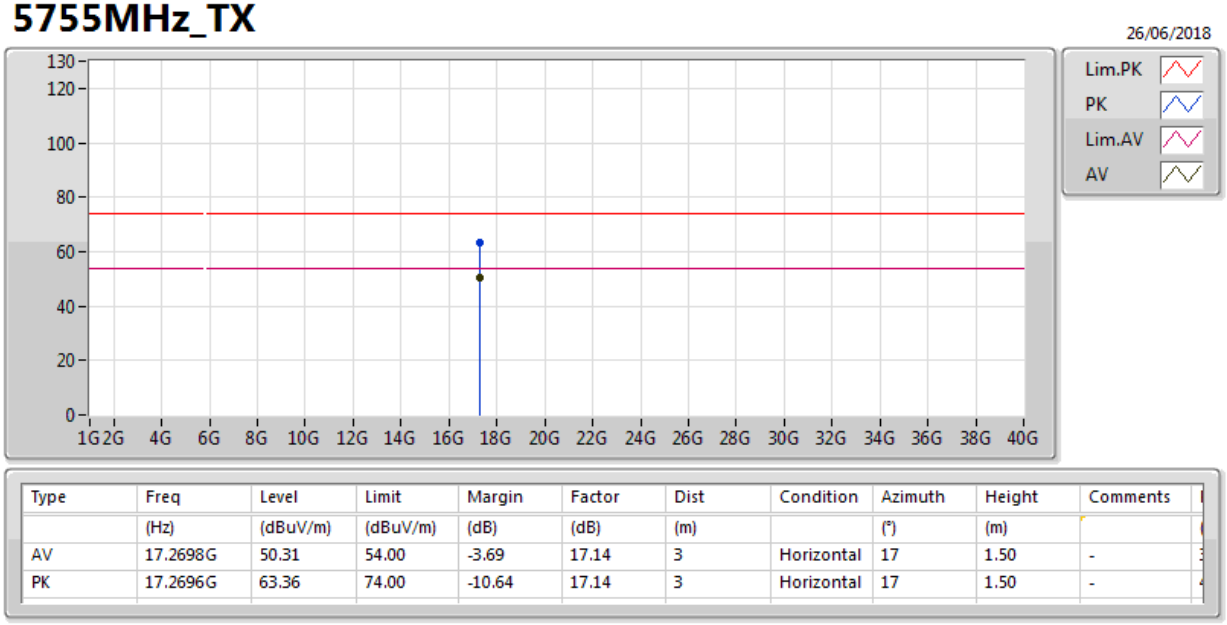
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.2674G	45.55	54.00	-8.45	17.12	3	Vertical	251	1.26	-
PK	17.2446G	58.84	74.00	-15.16	16.97	3	Vertical	251	1.26	-

802.11ac VHT40_Nss1,(MCS0)_2TX

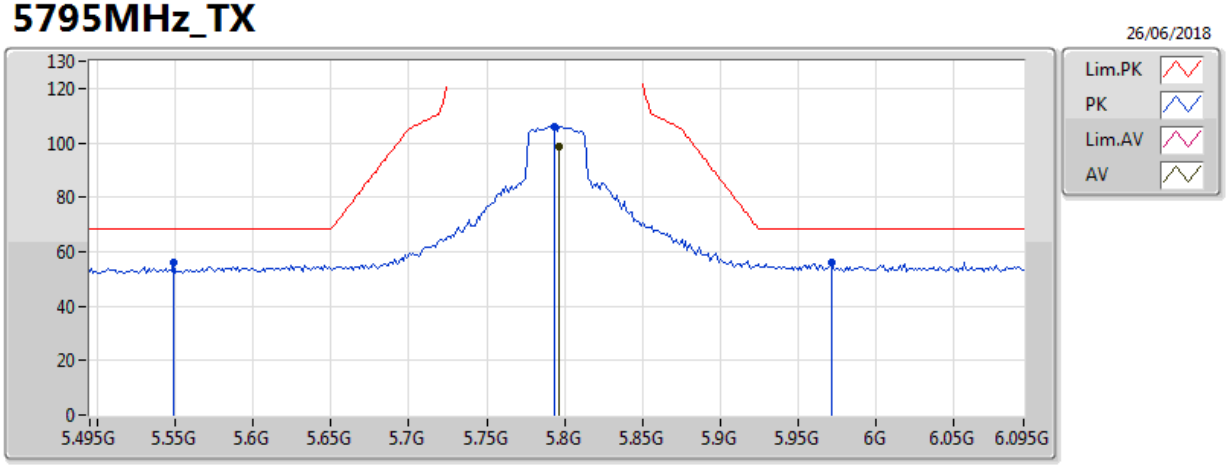
5755MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.2698G	50.31	54.00	-3.69	17.14	3	Horizontal	17	1.50	-
PK	17.2696G	63.36	74.00	-10.64	17.14	3	Horizontal	17	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

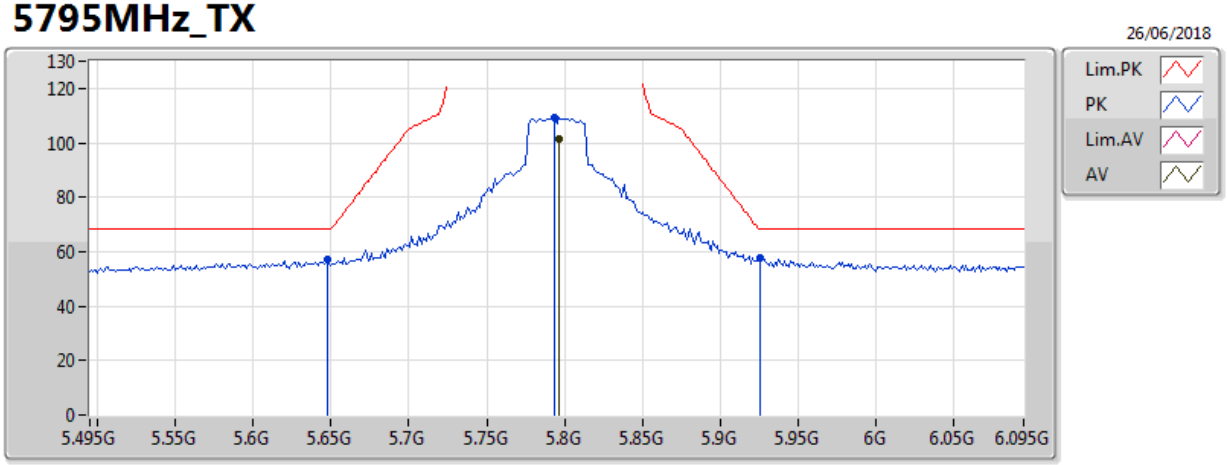
5795MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7962G	98.71	Inf	-Inf	3.72	3	Vertical	164	1.31	-
PK	5.549G	56.04	68.20	-12.16	3.24	3	Vertical	164	1.31	-
PK	5.7938G	106.15	Inf	-Inf	3.72	3	Vertical	164	1.31	-
PK	5.9714G	55.88	68.20	-12.32	4.07	3	Vertical	164	1.31	-

802.11ac VHT40_Nss1,(MCS0)_2TX

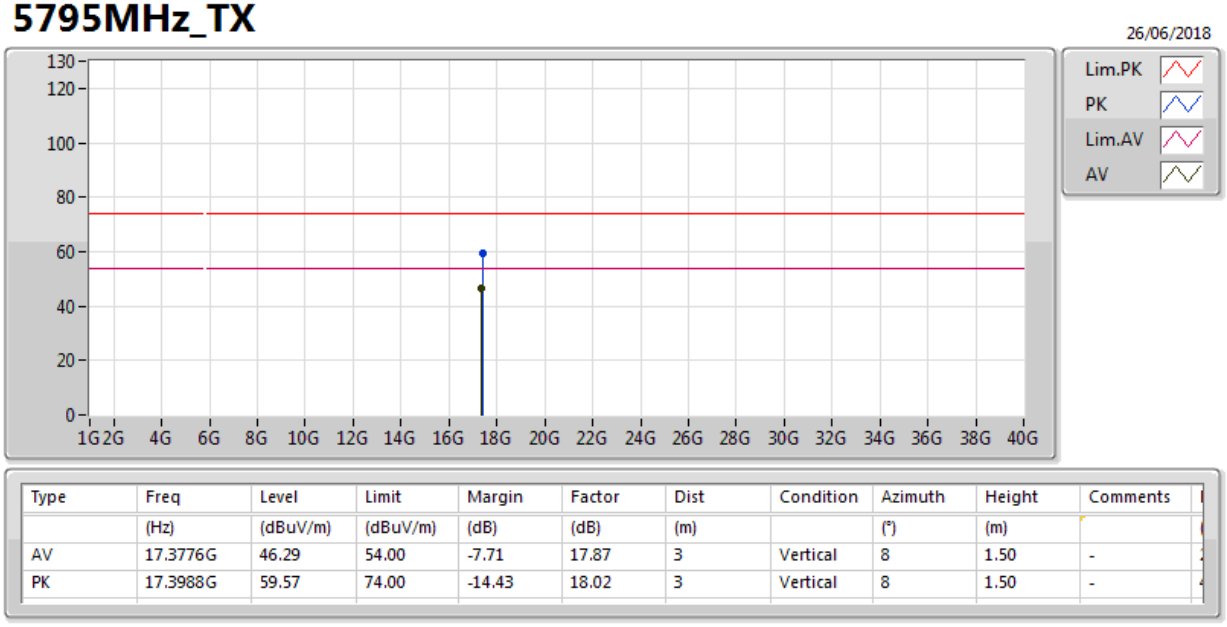
5795MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7962G	101.48	Inf	-Inf	3.72	3	Horizontal	357	1.10	-
PK	5.6474G	57.25	68.20	-10.95	3.44	3	Horizontal	357	1.10	-
PK	5.7938G	109.28	Inf	-Inf	3.72	3	Horizontal	357	1.10	-
PK	5.9258G	57.74	68.20	-10.46	3.99	3	Horizontal	357	1.10	-

802.11ac VHT40_Nss1,(MCS0)_2TX

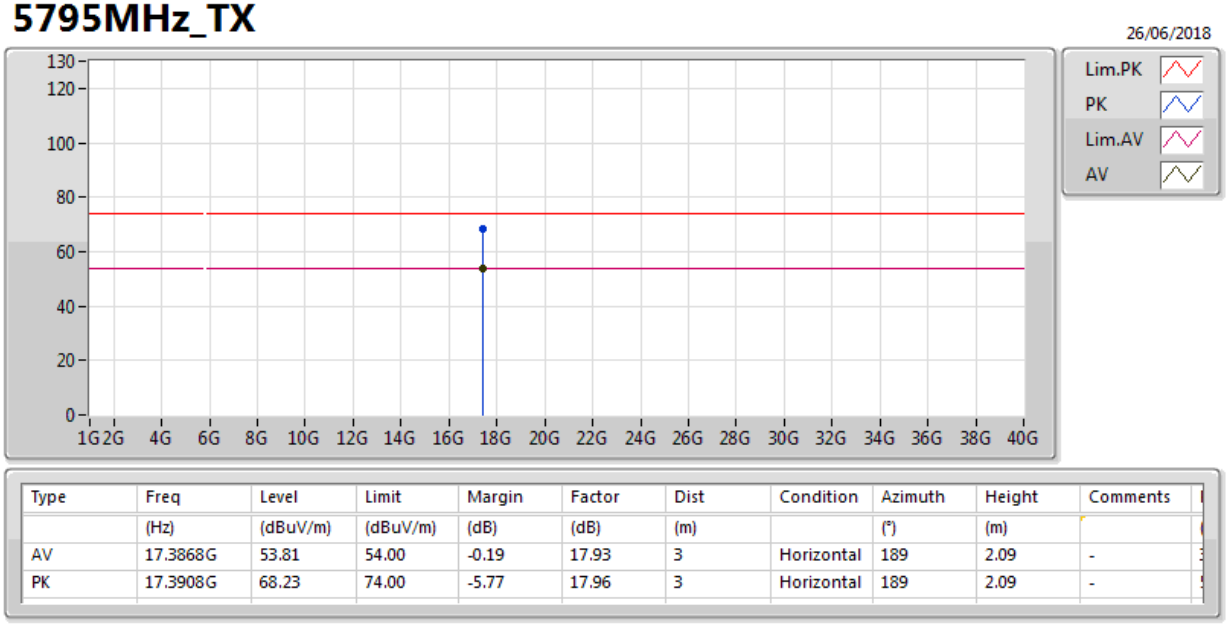
5795MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.3776G	46.29	54.00	-7.71	17.87	3	Vertical	8	1.50	-
PK	17.3988G	59.57	74.00	-14.43	18.02	3	Vertical	8	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

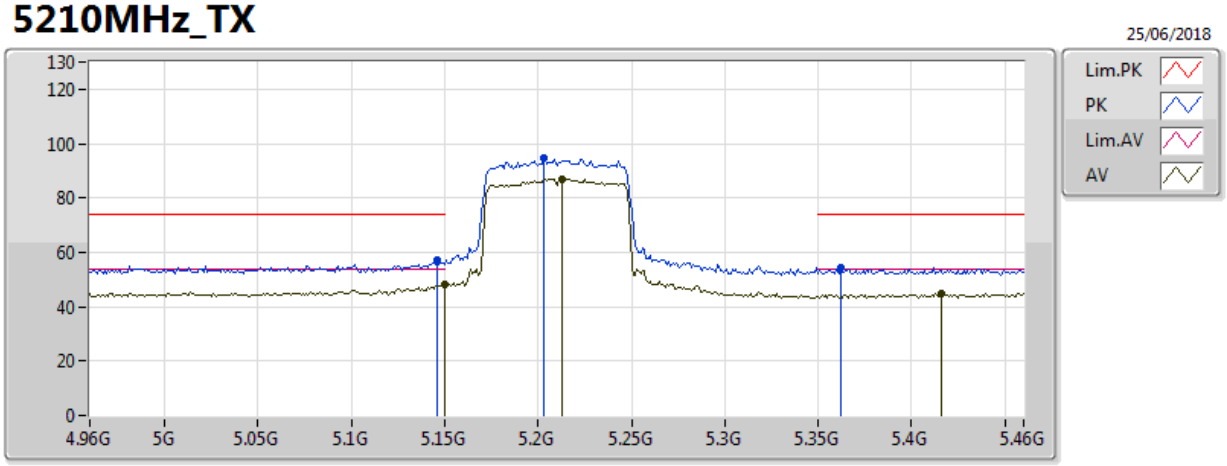
5795MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.3868G	53.81	54.00	-0.19	17.93	3	Horizontal	189	2.09	-
PK	17.3908G	68.23	74.00	-5.77	17.96	3	Horizontal	189	2.09	-

802.11ac VHT80_Nss1,(MCS0)_2TX

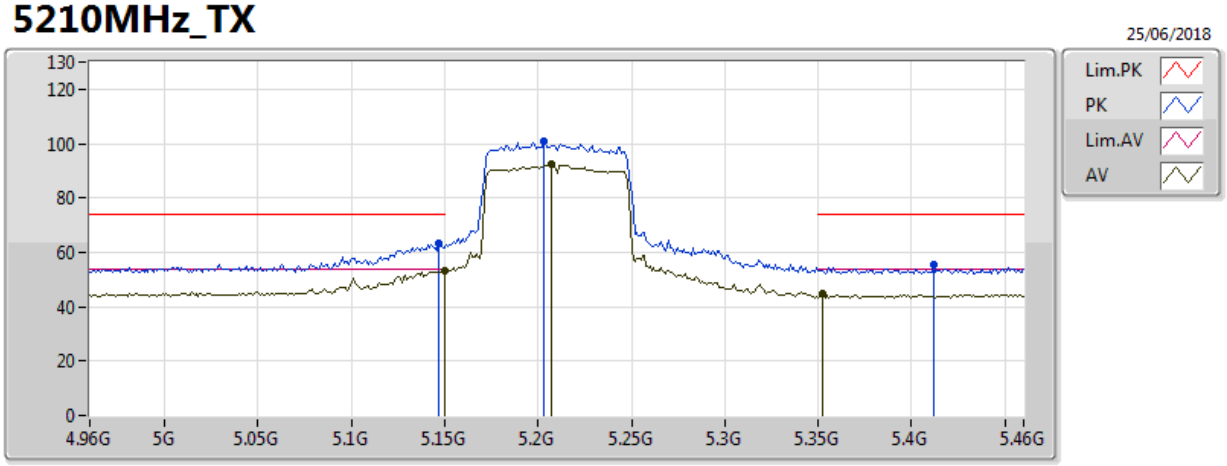
5210MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.149995G	48.05	54.00	-5.95	2.74	3	Vertical	57	1.65	-
AV	5.213G	87.12	Inf	-Inf	2.81	3	Vertical	57	1.65	-
AV	5.416G	44.91	54.00	-9.09	3.05	3	Vertical	57	1.65	-
PK	5.146G	57.07	74.00	-16.93	2.74	3	Vertical	57	1.65	-
PK	5.203G	94.62	Inf	-Inf	2.80	3	Vertical	57	1.65	-
PK	5.362G	54.29	74.00	-19.71	2.98	3	Vertical	57	1.65	-

802.11ac VHT80_Nss1,(MCS0)_2TX

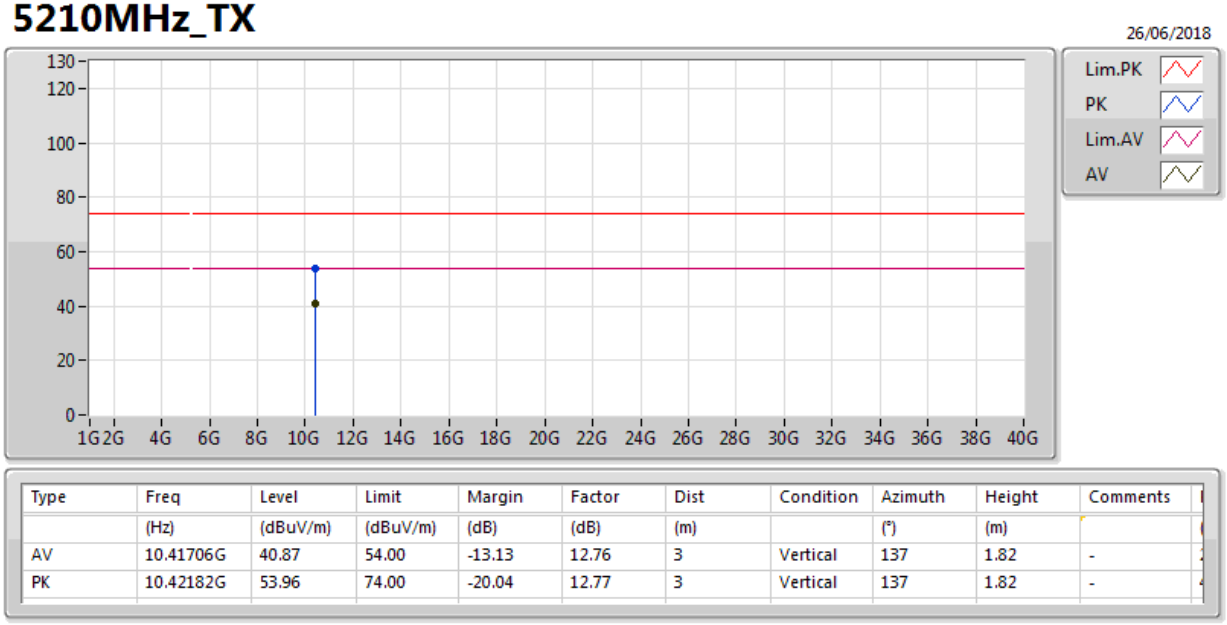
5210MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.149995G	53.22	54.00	-0.78	2.74	3	Horizontal	331	1.41	-
AV	5.207G	92.28	Inf	-Inf	2.81	3	Horizontal	331	1.41	-
AV	5.352G	44.76	54.00	-9.24	2.97	3	Horizontal	331	1.41	-
PK	5.147G	63.09	74.00	-10.91	2.74	3	Horizontal	331	1.41	-
PK	5.203G	100.85	Inf	-Inf	2.80	3	Horizontal	331	1.41	-
PK	5.412G	55.25	74.00	-18.75	3.05	3	Horizontal	331	1.41	-

802.11ac VHT80_Nss1,(MCS0)_2TX

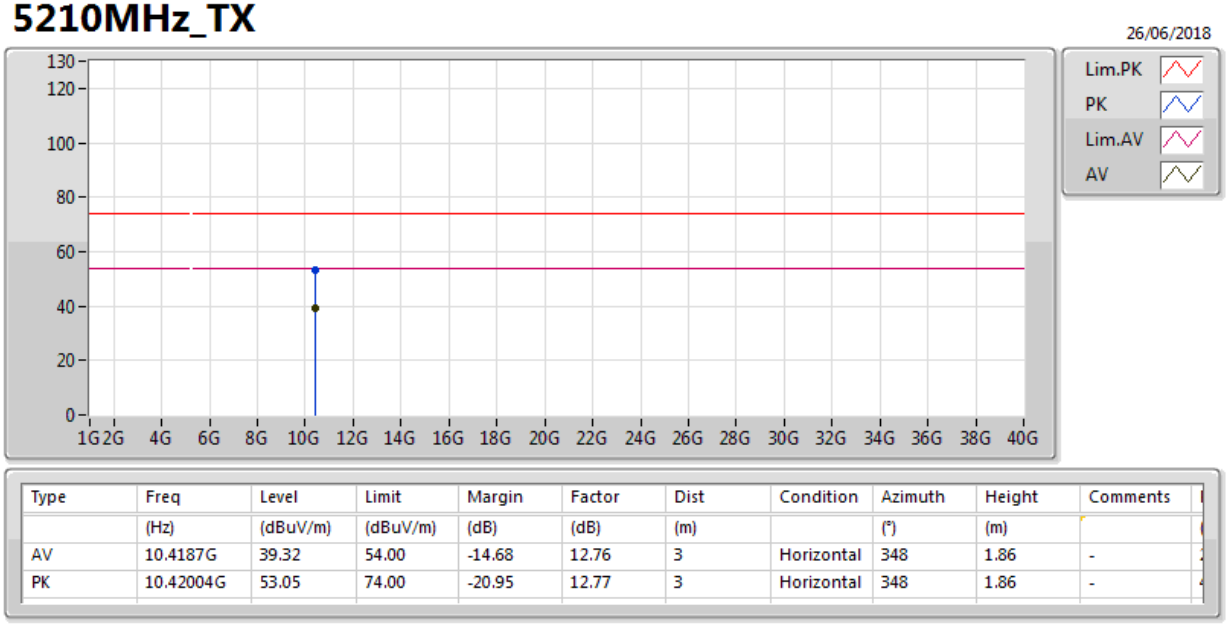
5210MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.41706G	40.87	54.00	-13.13	12.76	3	Vertical	137	1.82	-
PK	10.42182G	53.96	74.00	-20.04	12.77	3	Vertical	137	1.82	-

802.11ac VHT80_Nss1,(MCS0)_2TX

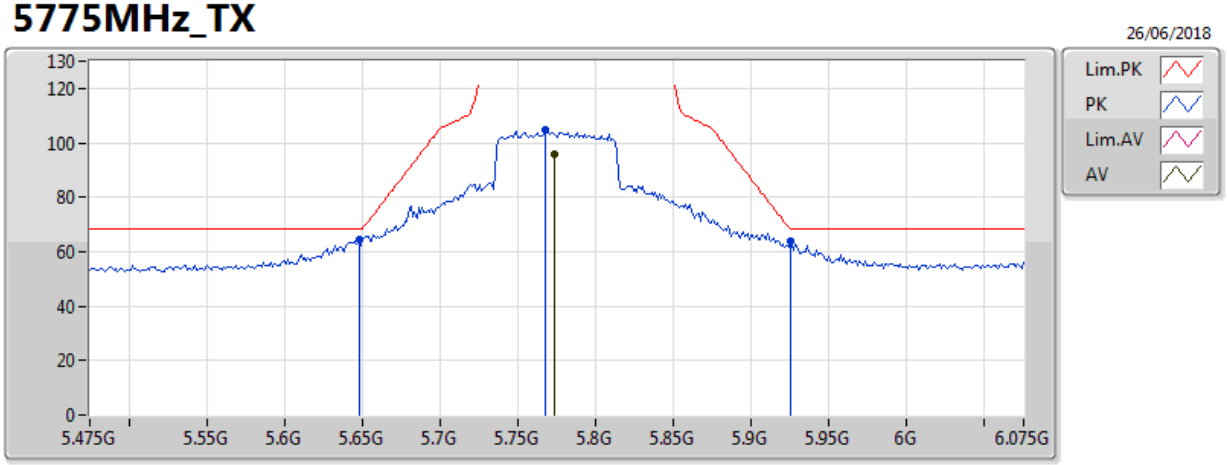
5210MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.4187G	39.32	54.00	-14.68	12.76	3	Horizontal	348	1.86	-
PK	10.42004G	53.05	74.00	-20.95	12.77	3	Horizontal	348	1.86	-

802.11ac VHT80_Nss1,(MCS0)_2TX

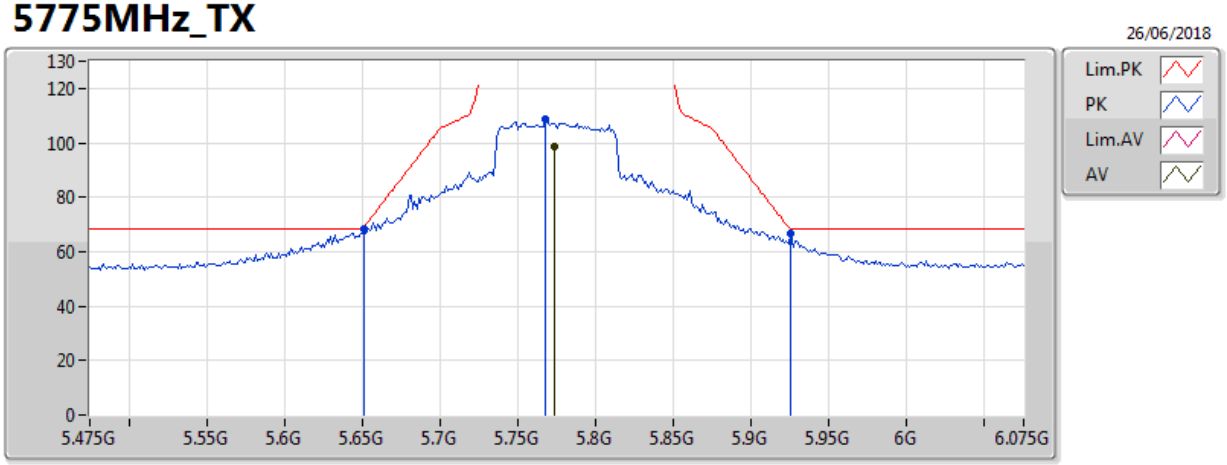
5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7738G	96.05	Inf	-Inf	3.68	3	Vertical	187	1.24	-
PK	5.6478G	64.30	68.20	-3.90	3.44	3	Vertical	187	1.24	-
PK	5.7678G	104.90	Inf	-Inf	3.67	3	Vertical	187	1.24	-
PK	5.925G	64.03	68.20	-4.17	3.98	3	Vertical	187	1.24	-

802.11ac VHT80_Nss1,(MCS0)_2TX

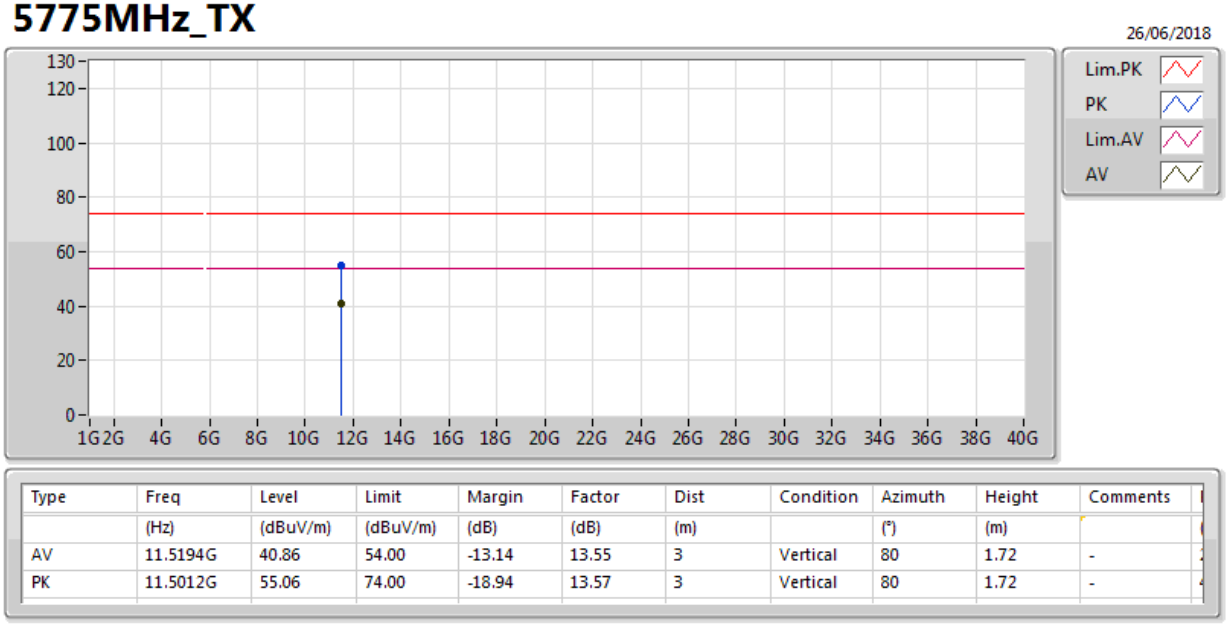
5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7738G	98.79	Inf	-Inf	3.68	3	Horizontal	8	1.11	-
PK	5.6514G	68.57	69.24	-0.67	3.44	3	Horizontal	8	1.11	-
PK	5.7678G	108.47	Inf	-Inf	3.67	3	Horizontal	8	1.11	-
PK	5.925G	66.84	68.20	-1.36	3.98	3	Horizontal	8	1.11	-

802.11ac VHT80_Nss1,(MCS0)_2TX

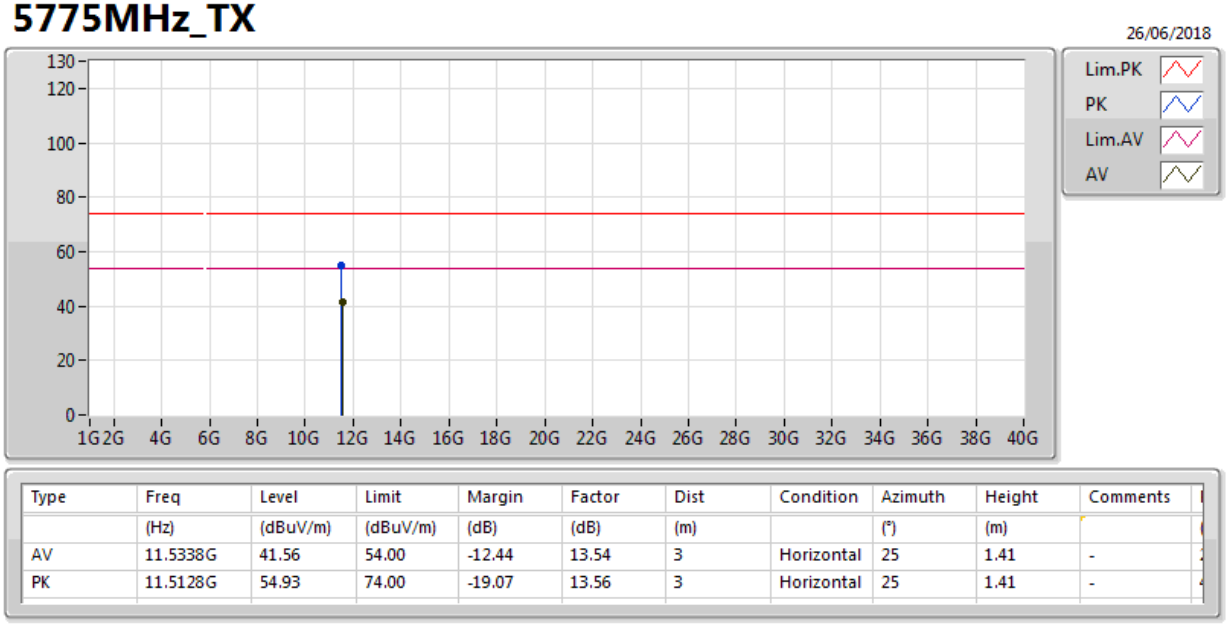
5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.5194G	40.86	54.00	-13.14	13.55	3	Vertical	80	1.72	-
PK	11.5012G	55.06	74.00	-18.94	13.57	3	Vertical	80	1.72	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX



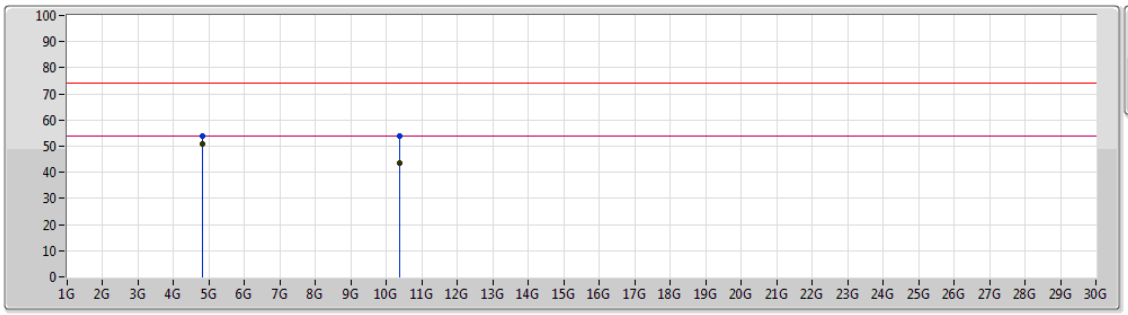
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.5338G	41.56	54.00	-12.44	13.54	3	Horizontal	25	1.41	-
PK	11.5128G	54.93	74.00	-19.07	13.56	3	Horizontal	25	1.41	-

Summary

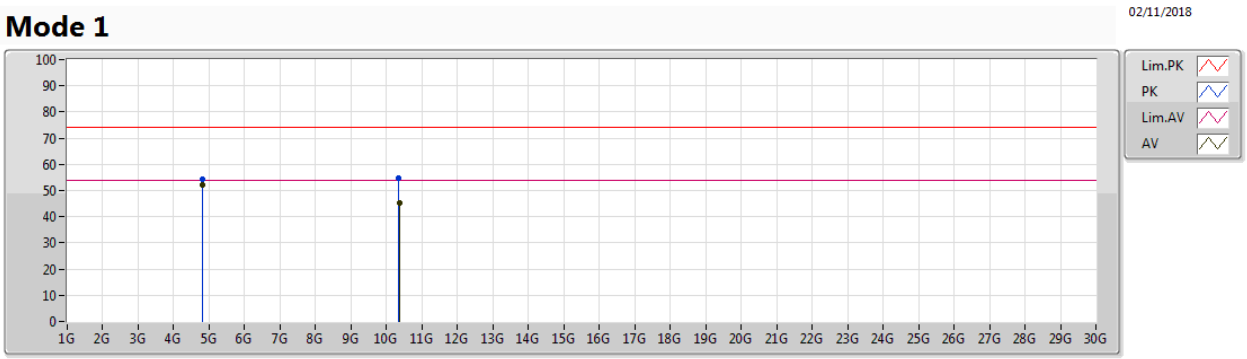
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.82411G	52.15	54.00	-1.85	2.13	3	Horizontal	341	1.10	-

Mode 1

02/11/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82412G	50.68	54.00	-3.32	2.13	3	Vertical	6	1.50	-
AV	10.3557G	43.50	54.00	-10.50	12.63	3	Vertical	159	1.60	-
PK	4.82395G	53.87	74.00	-20.13	2.13	3	Vertical	6	1.50	-
PK	10.35746G	53.72	74.00	-20.28	12.63	3	Vertical	159	1.60	-



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82411G	52.15	54.00	-1.85	2.13	3	Horizontal	341	1.10	-
AV	10.36702G	45.09	54.00	-8.91	12.64	3	Horizontal	177	1.38	-
PK	4.82419G	54.15	74.00	-19.85	2.13	3	Horizontal	341	1.10	-
PK	10.35369G	54.60	74.00	-19.40	12.63	3	Horizontal	177	1.38	-