FCC Test Report

FCC ID	:	**N7NBX3210**
Equipment	:	**AirPrime BX3210 Module**
Brand Name	:	**Sierra Wireless Inc.**
Model Name	:	**AirPrime BX3210 Module**
Applicant/ Manufacturer	:	**Sierra Wireless Inc. 13811 Wireless Way, Richmond, BC V6V 3A4, Canada**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Feb. 27, 2019, and testing was started from Feb. 28, 2019 and completed on Mar. 06, 2019. 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
FR922501AN	01	Initial issue of report	Mar. 28, 2019

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	Not Required	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

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

Reviewed by: Jackson Tsai

Report Producer: Michelle Tsai

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]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX
5.25-5.35GHz	802.11a	20	1TX
5.47-5.725GHz	802.11a	20	1TX
5.725-5.85GHz	802.11a	20	1TX
5.15-5.25GHz	802.11ac VHT20	20	1TX
5.25-5.35GHz	802.11ac VHT20	20	1TX
5.47-5.725GHz	802.11ac VHT20	20	1TX
5.725-5.85GHz	802.11ac VHT20	20	1TX
5.15-5.25GHz	802.11ac VHT40	40	1TX
5.25-5.35GHz	802.11ac VHT40	40	1TX
5.47-5.725GHz	802.11ac VHT40	40	1TX
5.725-5.85GHz	802.11ac VHT40	40	1TX
5.15-5.25GHz	802.11ac VHT80	80	1TX
5.25-5.35GHz	802.11ac VHT80	80	1TX
5.47-5.725GHz	802.11ac VHT80	80	1TX
5.725-5.85GHz	802.11ac VHT80	80	1TX

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	SmartAnt	USI05-220170	Dipole	Reversed-SMA

Ant.	Port	Gain (dBi)		
		2.4G	BT	5G
1	1	2.5	2.5	5

For 2.4GHz function:

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

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

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

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

For 5GHz function:

For IEEE 802.11 a/n/ac mode (1TX/1RX)

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

1.1.3 EUT Information

Operational Condition				
EUT Power Type	For DC Power Supply Mode			
EUT Function	☐	Outdoor	☐	Indoor
	☐	Fixed P2P	☒	Client
Beamforming Function	☐	With beamforming	☒	Without beamforming
TPC Function	☒	With TPC Function	☐	Without TPC Function
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.936	0.287	2.049m	1k
802.11ac VHT20	0.93	0.315	1.921m	1k
802.11ac VHT40	0.862	0.645	945.937u	3k
802.11ac VHT80	0.764	1.169	465u	3k

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

1.2 Testing Applied Standards

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Andy	20.7~23.5°C / 59.1~63.5%	05/Mar/2019~06/Mar/2019
Radiated	03CH03-HY	Edward	21.6~23.5°C / 55~60.6%	28/Feb/2019~05/Mar/2019

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)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 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	3.3V

2.2 Test Channel Mode

Test Software	DoS

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_1TX	-
5180MHz	16
5200MHz	16
5240MHz	16
5260MHz	16
5300MHz	16
5320MHz	16
5500MHz	16.5
5580MHz	16.5
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	16
5785MHz	16
5825MHz	16
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	15
5200MHz	15
5240MHz	15
5260MHz	15
5300MHz	15
5320MHz	15
5500MHz	15

Mode	PowerSetting
5580MHz	15
5700MHz	15
5720MHz Straddle 5.47-5.725GHz	15
5720MHz Straddle 5.725-5.85GHz	15
5745MHz	15
5785MHz	15
5825MHz	15
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	13.5
5230MHz	14.5
5270MHz	14.5
5310MHz	15
5510MHz	14.5
5550MHz	14.5
5670MHz	14.5
5710MHz Straddle 5.47-5.725GHz	14.5
5710MHz Straddle 5.725-5.85GHz	14.5
5755MHz	14.5
5795MHz	14.5
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	12
5290MHz	13
5530MHz	11.5
5610MHz	15.5
5690MHz Straddle 5.47-5.725GHz	14.5
5690MHz Straddle 5.725-5.85GHz	14.5
5775MHz	15.5

2.3 The Worst Case Measurement Configuration

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	DC Power Supply Mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	**Z Plane**
	

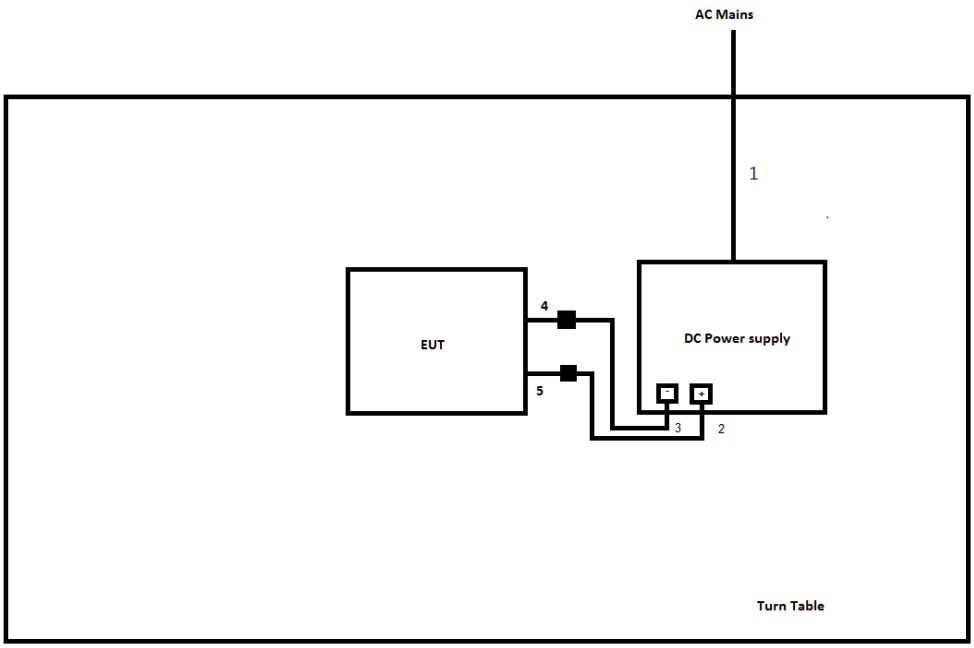
2.4 Support Equipment

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	DC Power Supply	GW	GPS-3030DD	N/A

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	DC Power Supply	GW	GPS-3030DD	N/A

2.5 Test Setup Diagram

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	DC Power line	No	2.0	-
3	DC Power line	No	2.0	-
4	DC Power line	No	0.1	-
5	DC Power line	No	0.1	-

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

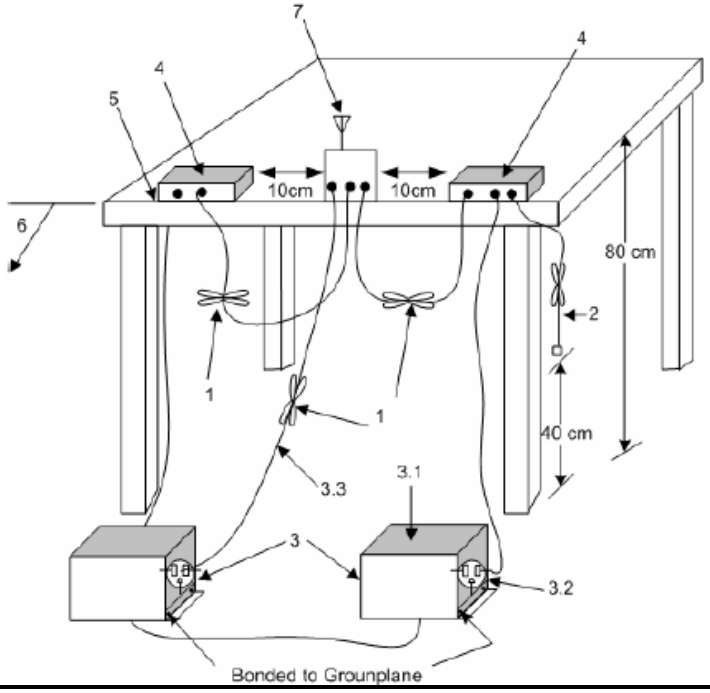
Refer a test equipment and calibration data table in this test report.

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

Please refer to 15.207 which states, “Measurements to demonstrate compliance with the conducted limits are not required for devices employ DC power source for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines”.
Therefore, for this device, AC Power Line Conducted Emissions investigation is not required.

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

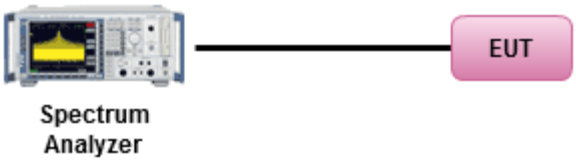
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

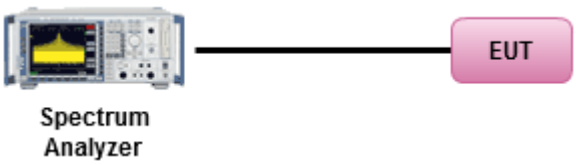
3.3.2 Measuring Instruments

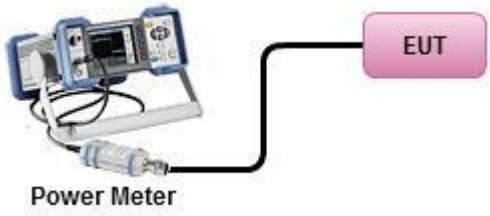
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

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

3.3.4 Test Setup

RF Output Power (Spectrum Analyzer)


RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

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.	

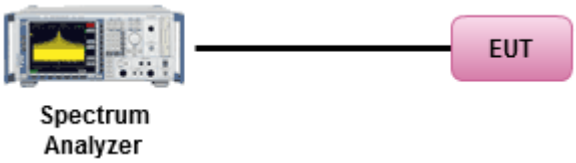
3.4.2 Measuring Instruments

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 C

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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

3.5.2 Measuring Instruments

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

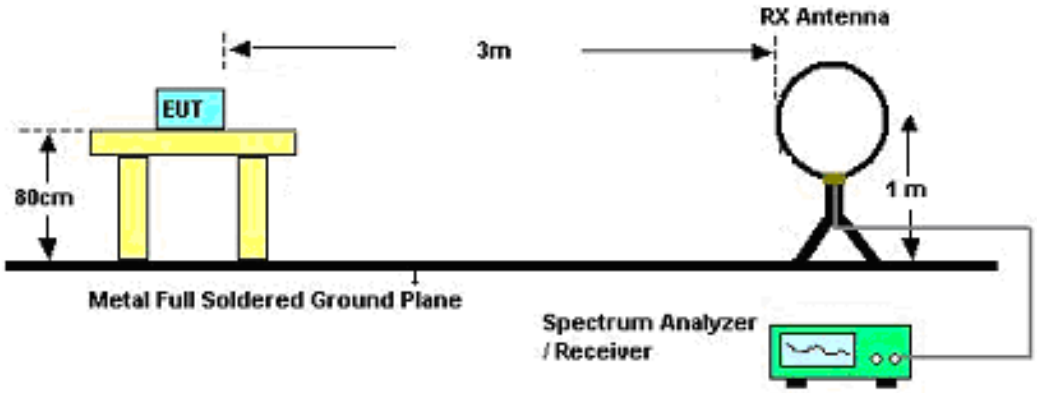
3.5.3 Test Procedures

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

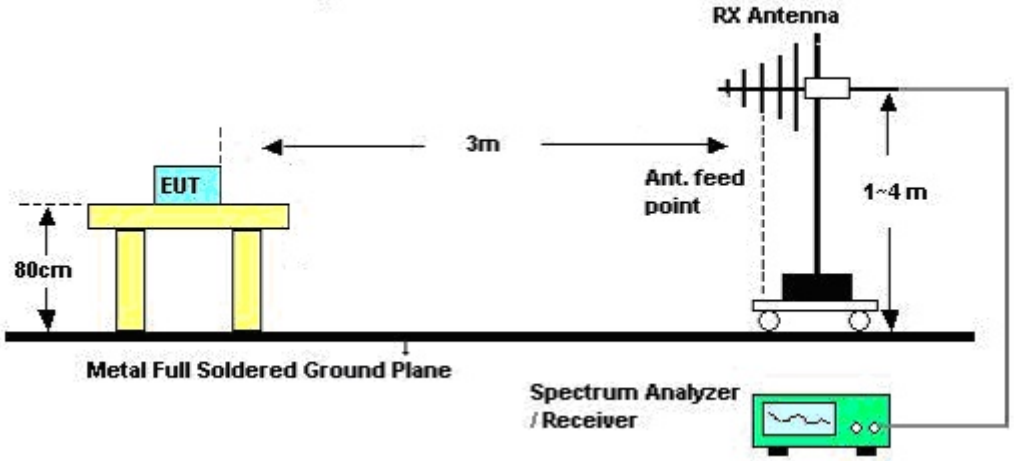
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

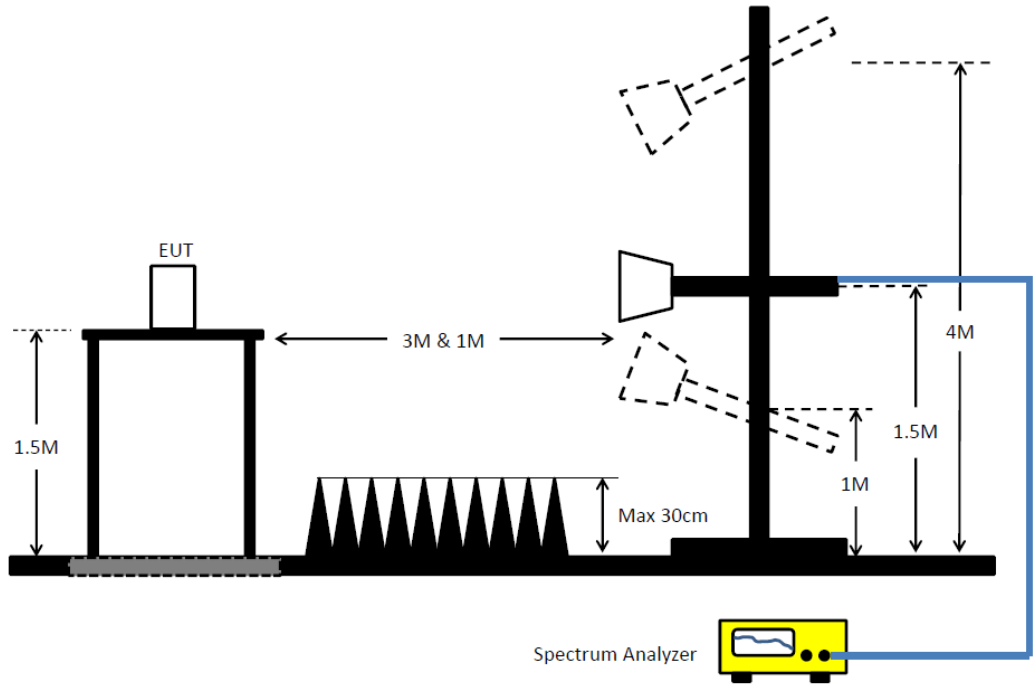
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

3.6 Test Equipment and Calibration Data

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	30/Oct/2018	29/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	30/Oct/2018	29/Oct/2019
Amplifier	IFI	SCCXL150	03CH03-HY	10KHz ~ 100MHz	14/Sep/2017	13/Sep/2019
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	23/Apr/2018	19/Apr/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	10/Apr/2018	09/Apr/2019
Bilog Antenna with 5dB Pad	ETS	3142B & MTJ6102-05	00022055	26 MHz - 3 GHz	19/Nov/2018	18/Nov/2019
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz ~ 26.5GHz	05/Sep/2018	04/Sep/2019
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	28/Jan/2019	27/Jan/2020
RF Cable-high	SUHNER	SUCOFLEX 106	CB222	1GHz ~ 40GHz	28/Jan/2019	27/Jan/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz ~ 40GHz	12/Mar/2018	11/Mar/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	18/Apr/ 2018	17/Apr/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9kHz ~ 30MHz	28/Mar/2018	27/Mar/2019

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101500	10Hz~40GHz	18/Jul/2018	17/Jul/2019
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.5m	HUBER	MY39470/4	RF Cable - 29	30MHz ~18G	10/Jan/2019	09/Jan/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

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)_1TX	19.625M	16.317M	16M3D1D	19.425M	16.267M
802.11ac VHT20_Nss1,(MCS0)_1TX	20.625M	17.466M	17M5D1D	19.75M	17.441M
802.11ac VHT40_Nss1,(MCS0)_1TX	41.35M	35.832M	35M8D1D	41.2M	35.832M
802.11ac VHT80_Nss1,(MCS0)_1TX	83.7M	75.362M	75M4D1D	83.7M	75.362M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	19.575M	16.317M	16M3D1D	19.2M	16.267M
802.11ac VHT20_Nss1,(MCS0)_1TX	20.4M	17.466M	17M5D1D	19.875M	17.416M
802.11ac VHT40_Nss1,(MCS0)_1TX	41.05M	35.832M	35M8D1D	40.95M	35.832M
802.11ac VHT80_Nss1,(MCS0)_1TX	84.7M	74.963M	75M0D1D	84.7M	74.963M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	19.6M	16.317M	16M3D1D	14.73M	13.148M
802.11ac VHT20_Nss1,(MCS0)_1TX	20.675M	17.441M	17M4D1D	14.94M	13.673M
802.11ac VHT40_Nss1,(MCS0)_1TX	40.8M	35.882M	35M9D1D	35.945M	32.744M
802.11ac VHT80_Nss1,(MCS0)_1TX	83.6M	75.062M	75M1D1D	76.95M	71.964M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	15.05M	16.317M	16M3D1D	3.12M	3.478M
802.11ac VHT20_Nss1,(MCS0)_1TX	15.05M	17.441M	17M4D1D	3.1M	3.898M
802.11ac VHT40_Nss1,(MCS0)_1TX	34.05M	35.882M	35M9D1D	3.1M	3.918M
802.11ac VHT80_Nss1,(MCS0)_1TX	75M	74.763M	74M8D1D	2.74M	5.777M

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)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	19.425M	16.292M
5200MHz_TnomVnom	Pass	Inf	19.575M	16.317M
5240MHz_TnomVnom	Pass	Inf	19.625M	16.267M
5260MHz_TnomVnom	Pass	Inf	19.575M	16.267M
5300MHz_TnomVnom	Pass	Inf	19.55M	16.267M
5320MHz_TnomVnom	Pass	Inf	19.2M	16.317M
5500MHz_TnomVnom	Pass	Inf	19.4M	16.317M
5580MHz_TnomVnom	Pass	Inf	19.35M	16.292M
5700MHz_TnomVnom	Pass	Inf	19.6M	16.267M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	14.73M	13.148M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.12M	3.478M
5745MHz_TnomVnom	Pass	500k	14.975M	16.317M
5785MHz_TnomVnom	Pass	500k	15.05M	16.292M
5825MHz_TnomVnom	Pass	500k	13.9M	16.292M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	20.275M	17.441M
5200MHz_TnomVnom	Pass	Inf	20.625M	17.466M
5240MHz_TnomVnom	Pass	Inf	19.75M	17.466M
5260MHz_TnomVnom	Pass	Inf	20.125M	17.466M
5300MHz_TnomVnom	Pass	Inf	20.4M	17.416M
5320MHz_TnomVnom	Pass	Inf	19.875M	17.466M
5500MHz_TnomVnom	Pass	Inf	20.675M	17.416M
5580MHz_TnomVnom	Pass	Inf	19.75M	17.416M
5700MHz_TnomVnom	Pass	Inf	19.75M	17.441M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	14.94M	13.673M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.1M	3.898M
5745MHz_TnomVnom	Pass	500k	14.975M	17.441M
5785MHz_TnomVnom	Pass	500k	15.025M	17.416M
5825MHz_TnomVnom	Pass	500k	15.05M	17.391M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	41.35M	35.832M
5230MHz_TnomVnom	Pass	Inf	41.2M	35.832M
5270MHz_TnomVnom	Pass	Inf	40.95M	35.832M
5310MHz_TnomVnom	Pass	Inf	41.05M	35.832M
5510MHz_TnomVnom	Pass	Inf	40.75M	35.832M
5550MHz_TnomVnom	Pass	Inf	40.7M	35.882M
5670MHz_TnomVnom	Pass	Inf	40.8M	35.832M
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	35.945M	32.744M
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.1M	3.918M
5755MHz_TnomVnom	Pass	500k	32.75M	35.782M
5795MHz_TnomVnom	Pass	500k	34.05M	35.882M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz_TnomVnom	Pass	Inf	83.7M	75.362M

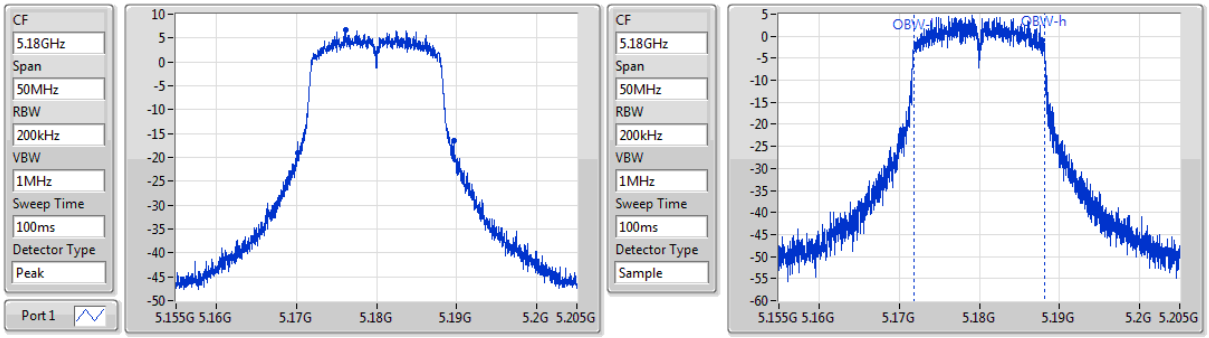
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
5290MHz_TnomVnom	Pass	Inf	84.7M	74.963M
5530MHz_TnomVnom	Pass	Inf	83.6M	75.062M
5610MHz_TnomVnom	Pass	Inf	83.6M	75.062M
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	76.95M	71.964M
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	2.74M	5.777M
5775MHz_TnomVnom	Pass	500k	75M	74.763M

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)_1TX **EBW**

5180MHz

05/03/2019

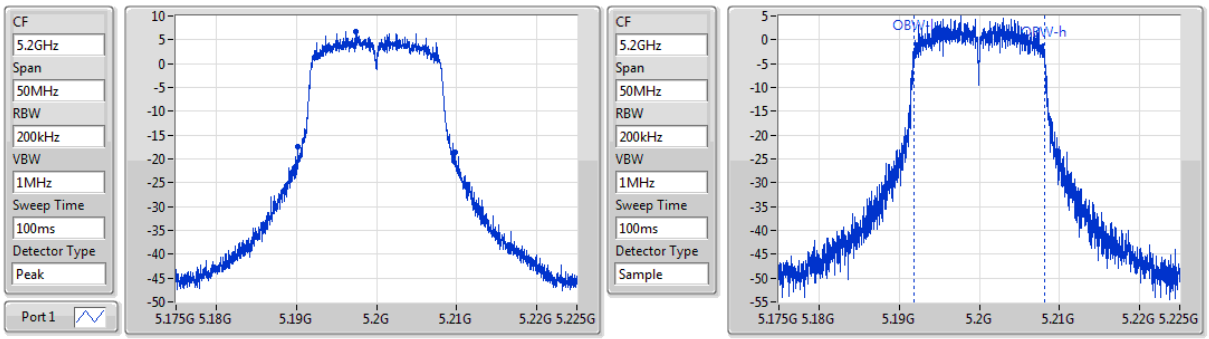


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.425M	5.1702G	5.189625G	16.292M	5.171829G	5.188121G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

5200MHz

05/03/2019

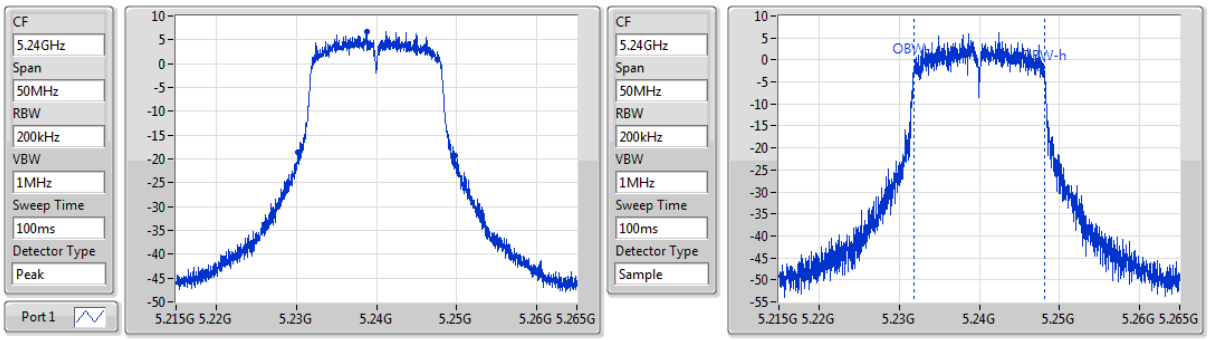


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.575M	5.1902G	5.209775G	16.317M	5.191804G	5.208121G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

5240MHz

05/03/2019



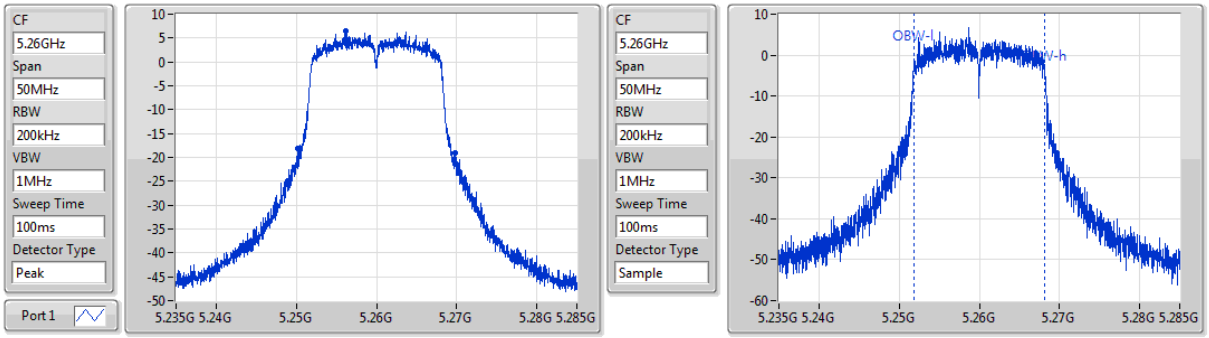
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.625M	5.230175G	5.2498G	16.267M	5.231829G	5.248096G	Inf	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5260MHz

05/03/2019



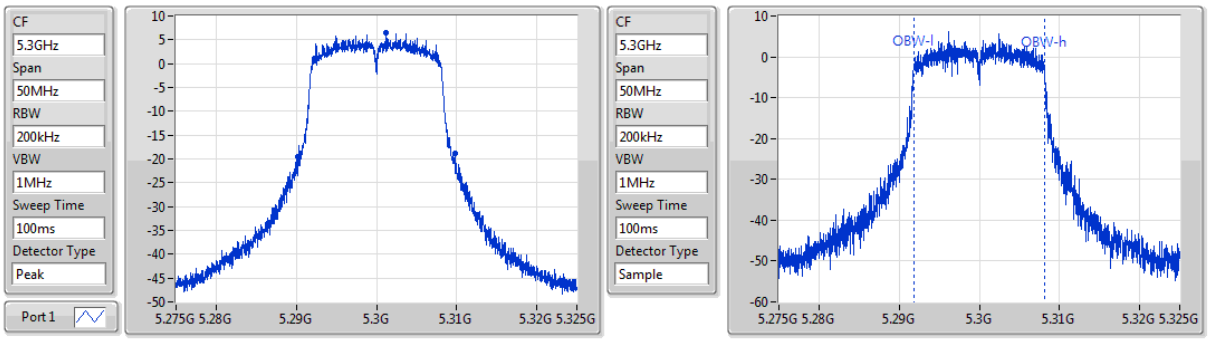
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.575M	5.250225G	5.2698G	16.267M	5.251854G	5.268121G	Inf	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5300MHz

05/03/2019



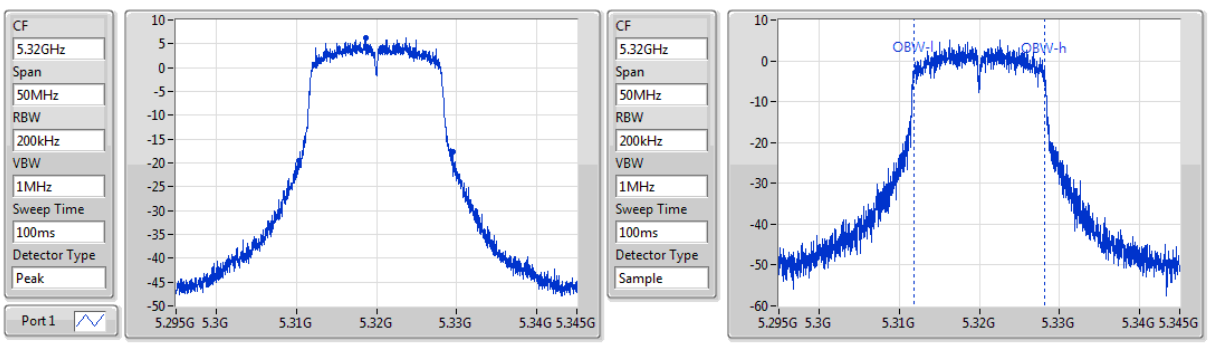
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.55M	5.290225G	5.309775G	16.267M	5.291829G	5.308096G	Inf	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5320MHz

05/03/2019



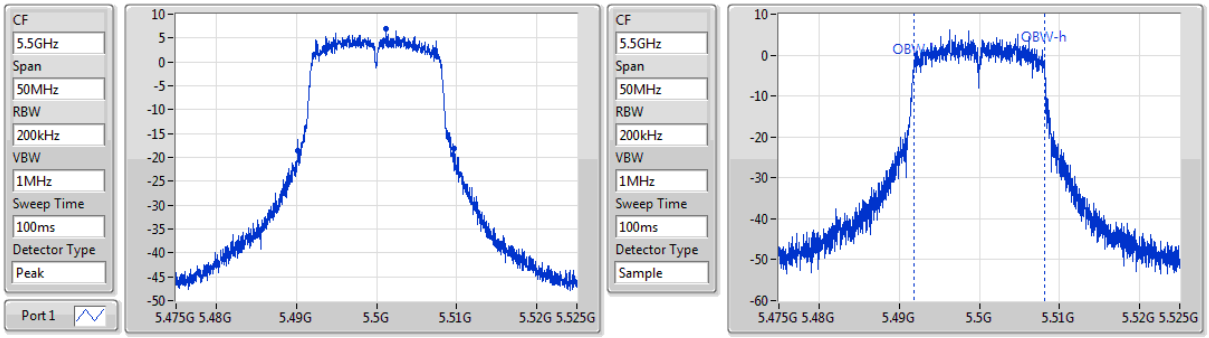
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.2M	5.310375G	5.329575G	16.317M	5.311804G	5.328121G	Inf	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5500MHz

05/03/2019



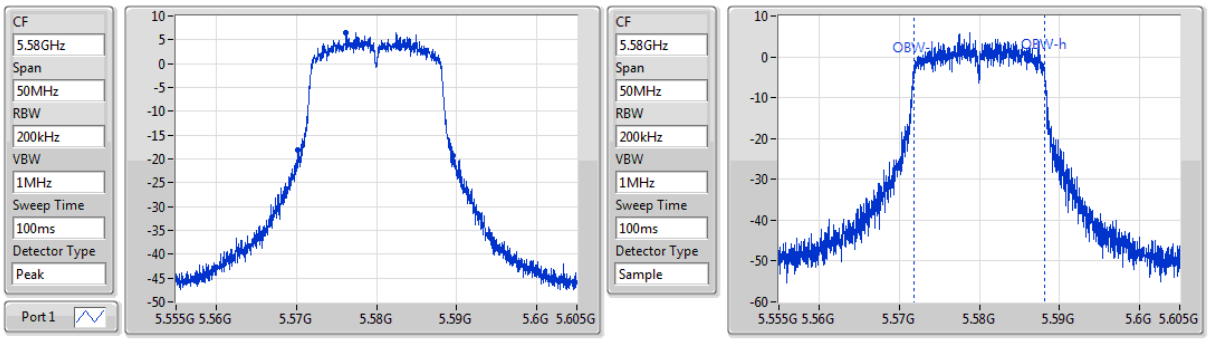
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.4M	5.490225G	5.509625G	16.317M	5.491804G	5.508121G	Inf	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5580MHz

05/03/2019



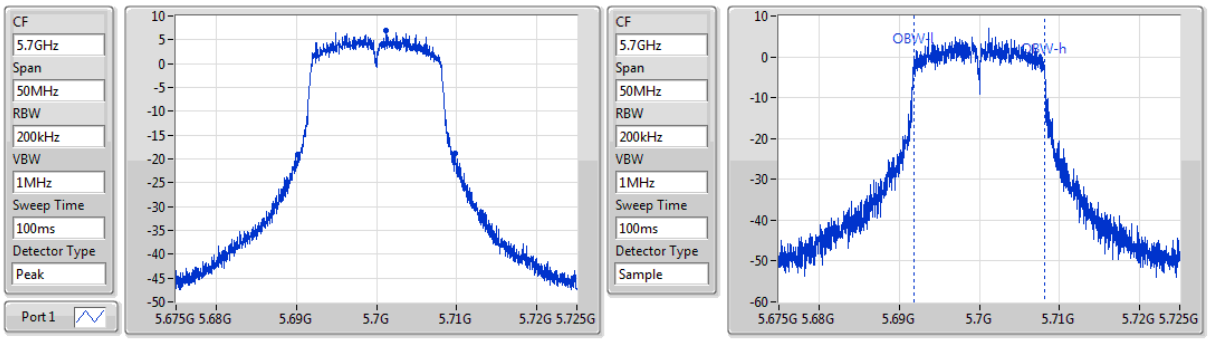
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.35M	5.570225G	5.589575G	16.292M	5.571804G	5.588096G	Inf	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5700MHz

05/03/2019

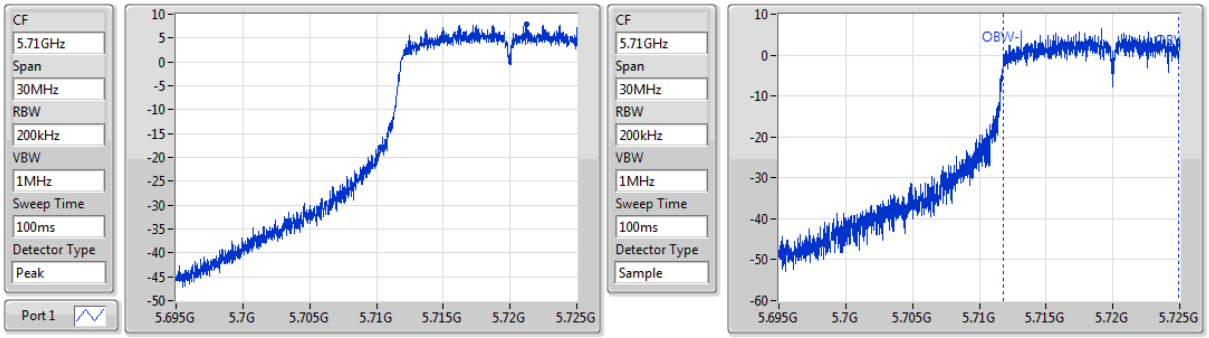


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.6M	5.69015G	5.70975G	16.267M	5.691829G	5.708096G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

5720MHz Straddle 5.47-5.725GHz

05/03/2019

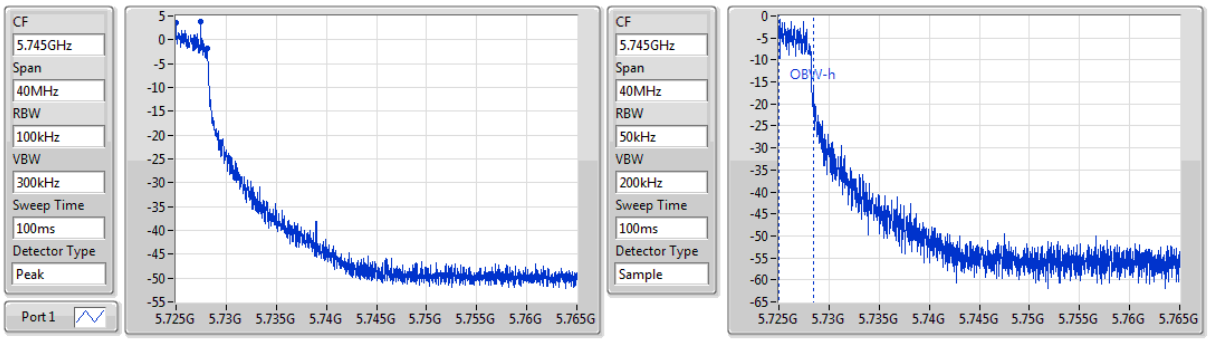


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.73M	5.71027G	5.725G	13.148M	5.711784G	5.724933G	Inf	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

5720MHz Straddle 5.725-5.85GHz

05/03/2019

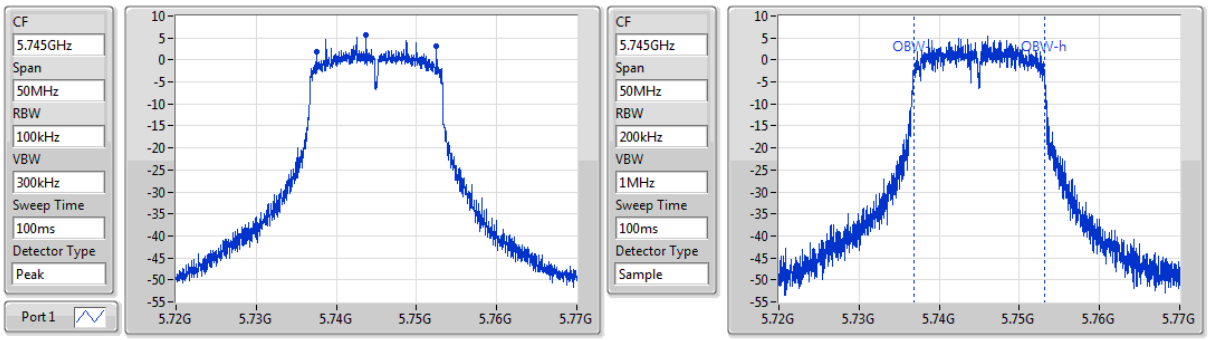


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.12M	5.725G	5.72812G	3.478M	5.72501G	5.728488G	500k	1

802.11a_Nss1,(6Mbps)_1TX **EBW**

5745MHz

05/03/2019



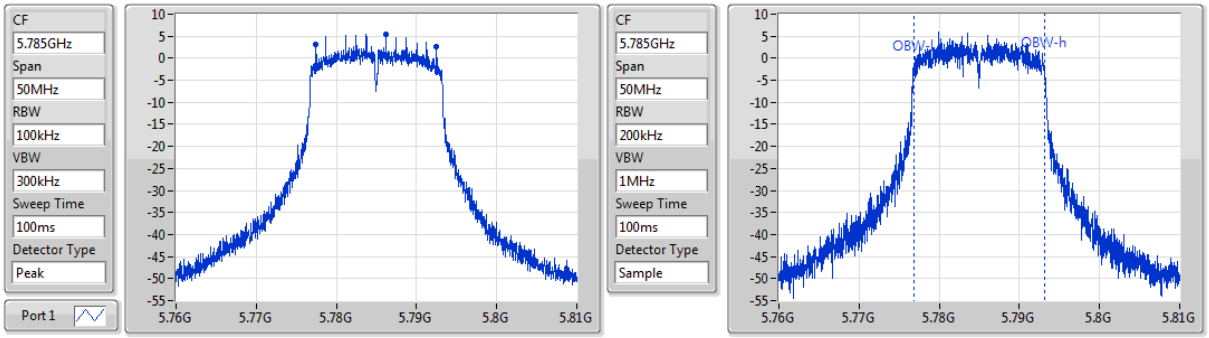
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	5.737525G	5.7525G	16.317M	5.736804G	5.753121G	500k	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5785MHz

05/03/2019



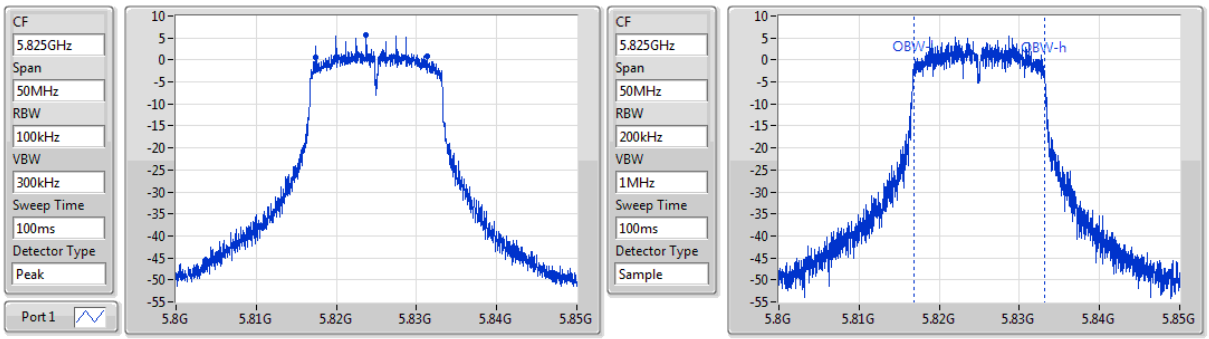
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	5.77745G	5.7925G	16.292M	5.776829G	5.793121G	500k	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5825MHz

05/03/2019



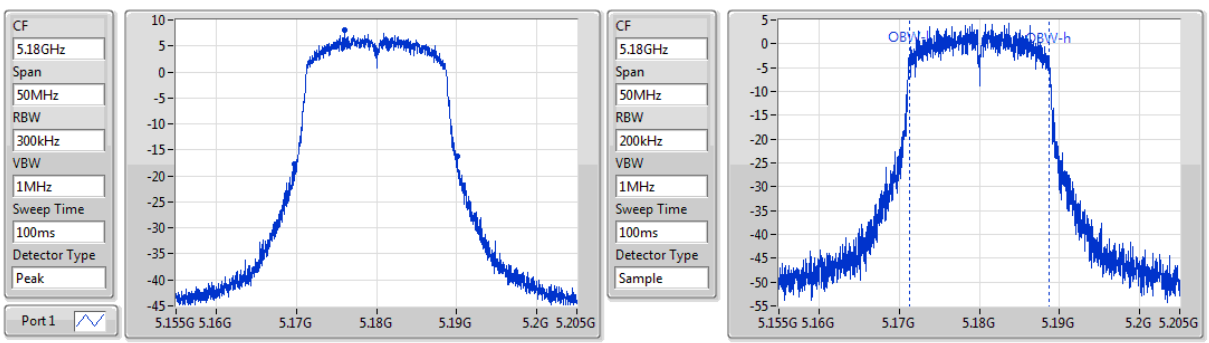
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.9M	5.8174G	5.8313G	16.292M	5.816804G	5.833096G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5180MHz

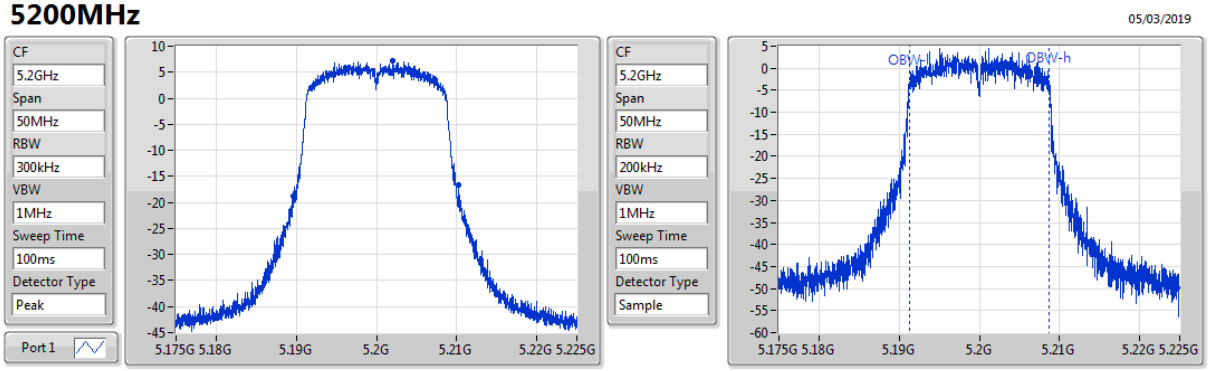
05/03/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.275M	5.169775G	5.19005G	17.441M	5.171254G	5.188696G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX EBW

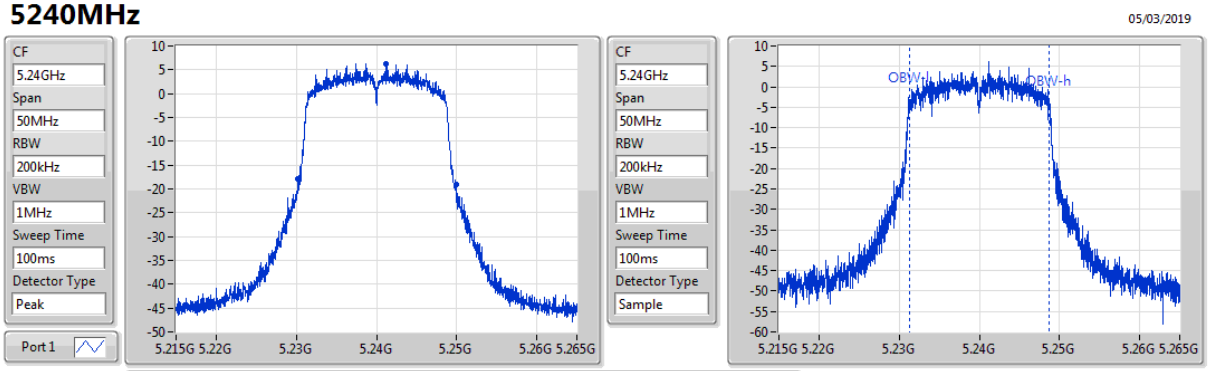
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.625M	5.189675G	5.2103G	17.466M	5.191254G	5.208721G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX EBW

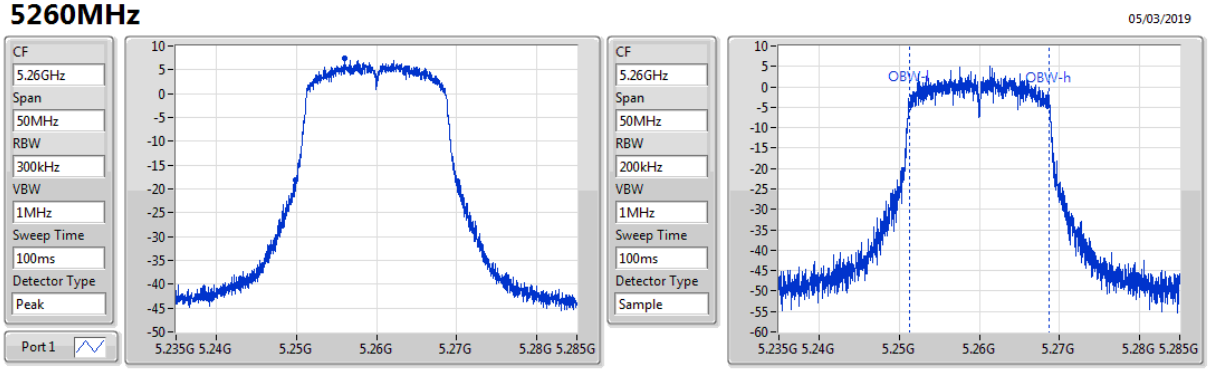
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.75M	5.23015G	5.2499G	17.466M	5.231254G	5.248721G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX EBW

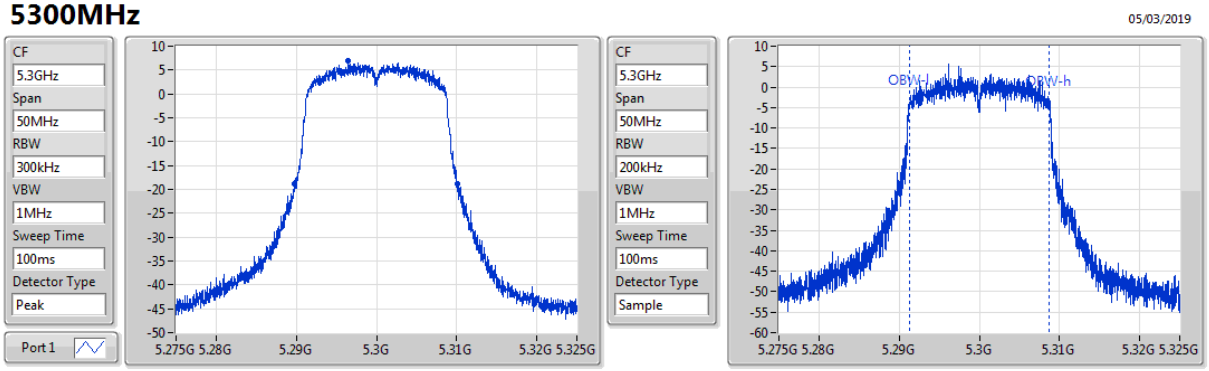
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.125M	5.249925G	5.27005G	17.466M	5.251229G	5.268696G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

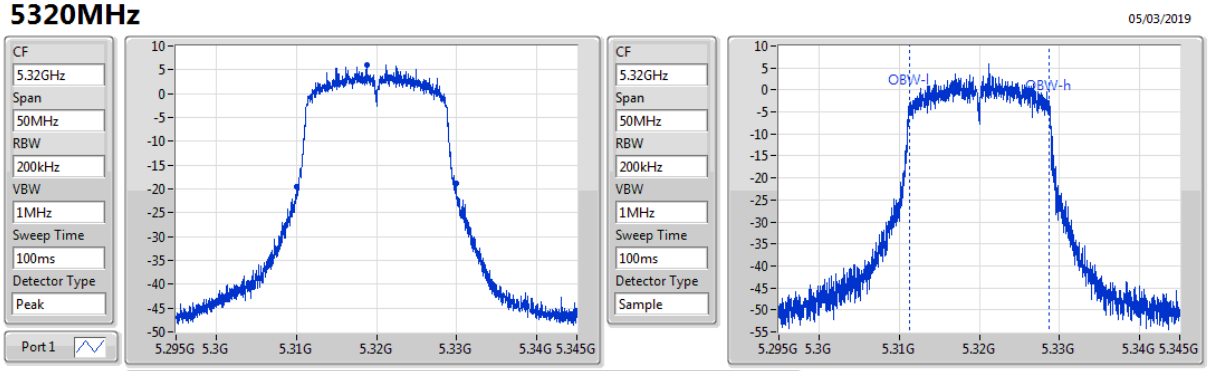
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.4M	5.289725G	5.310125G	17.416M	5.291279G	5.308696G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

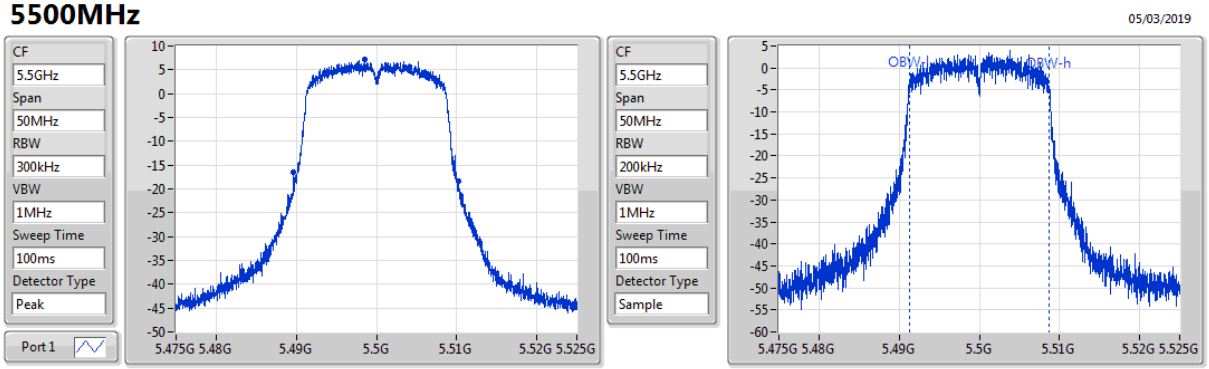
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.875M	5.310025G	5.3299G	17.466M	5.311254G	5.328721G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

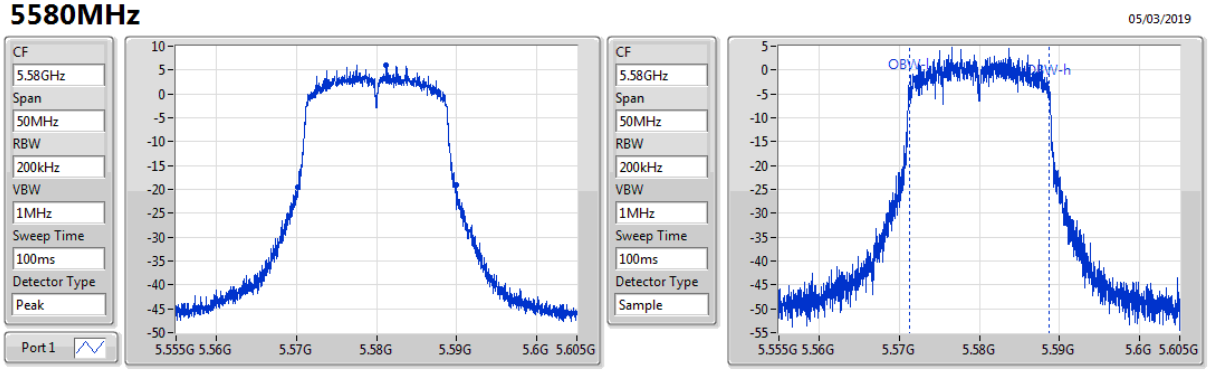
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.675M	5.4896G	5.510275G	17.416M	5.491254G	5.508671G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

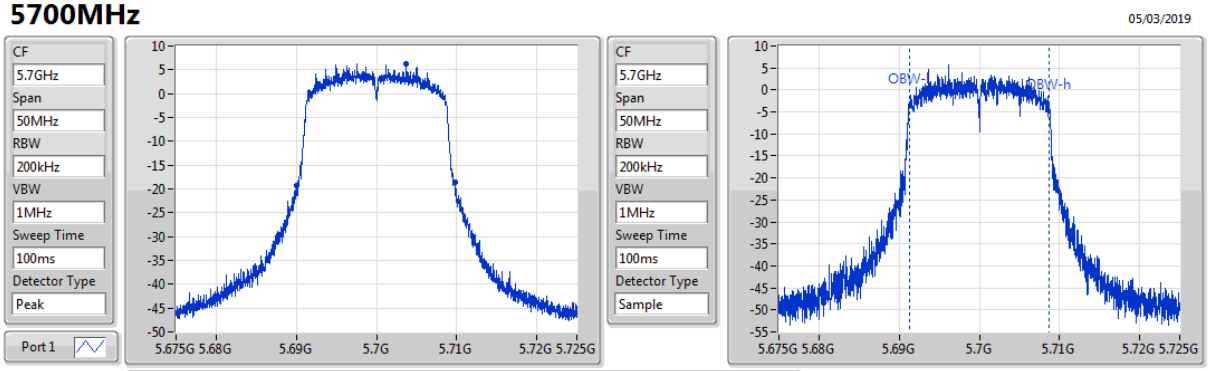
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.75M	5.57015G	5.5899G	17.416M	5.571254G	5.588671G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

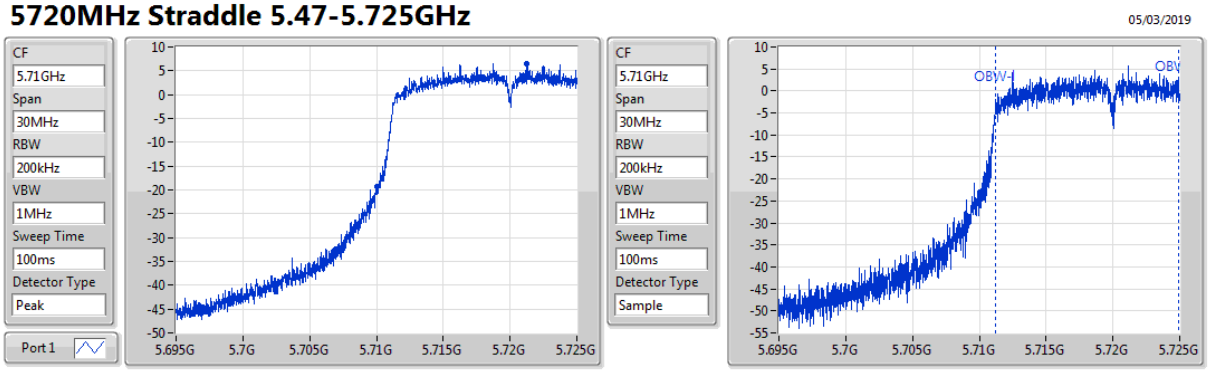
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.75M	5.6901G	5.70985G	17.441M	5.691254G	5.708696G	Inf	1

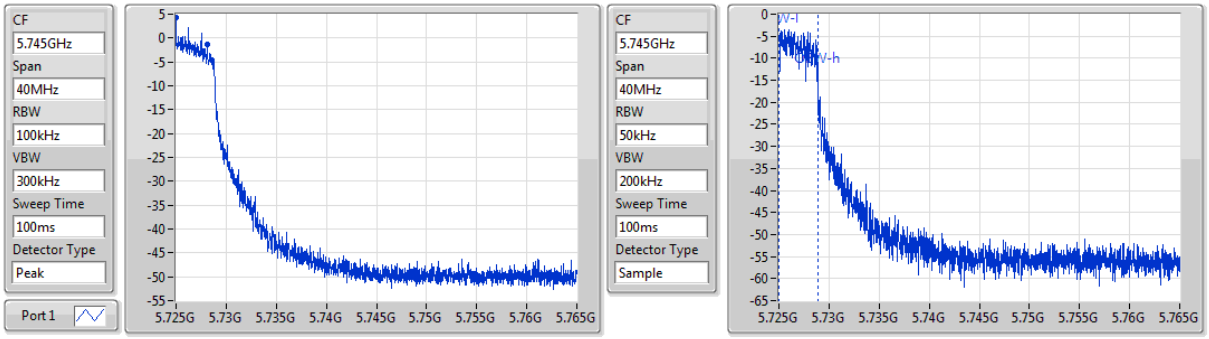
802.11ac VHT20_Nss1,(MCS0)_1TX **EBW**

5720MHz Straddle 5.47-5.725GHz



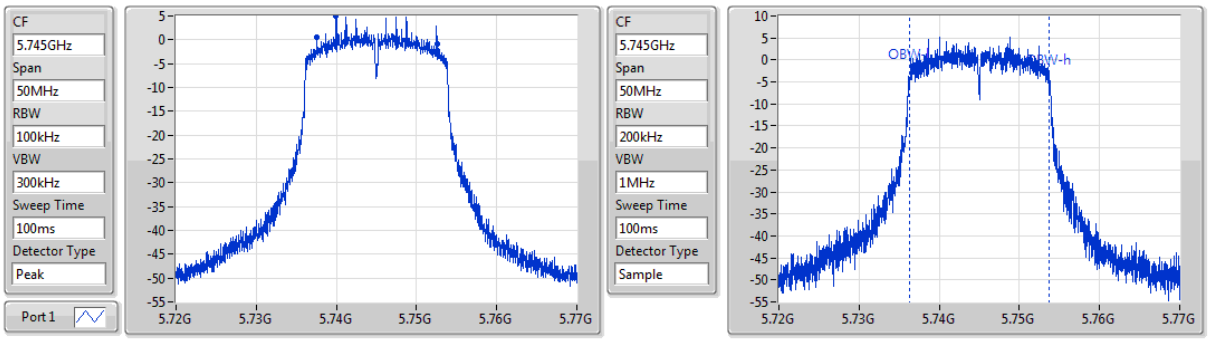
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.94M	5.71006G	5.725G	13.673M	5.711229G	5.724903G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX
5720MHz Straddle 5.725-5.85GHz
EBW
05/03/2019



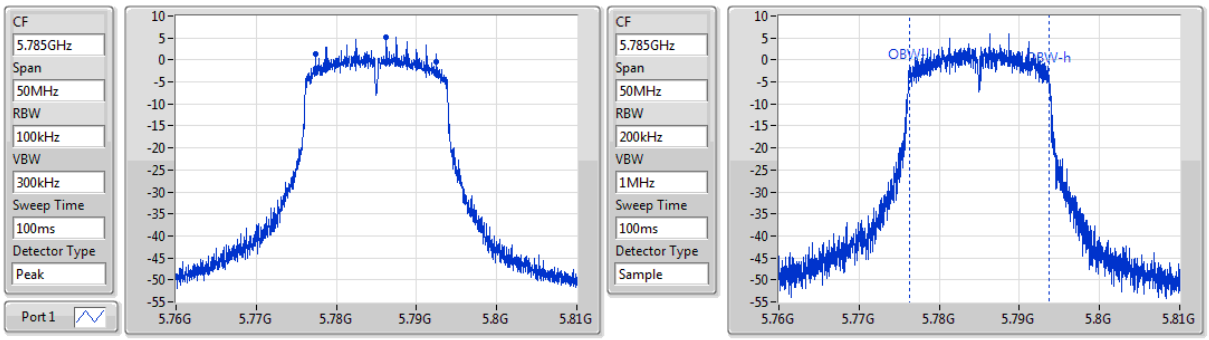
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.1M	5.725G	5.7281G	3.898M	5.72501G	5.728908G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX
5745MHz
EBW
05/03/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	5.73755G	5.752525G	17.441M	5.736254G	5.753696G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX
5785MHz
EBW
05/03/2019

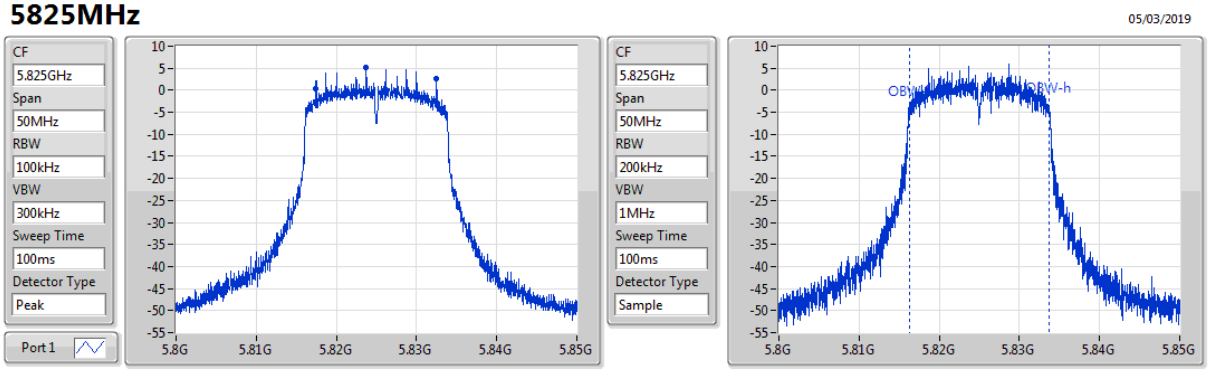


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	5.77745G	5.792475G	17.416M	5.776254G	5.793671G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5825MHz

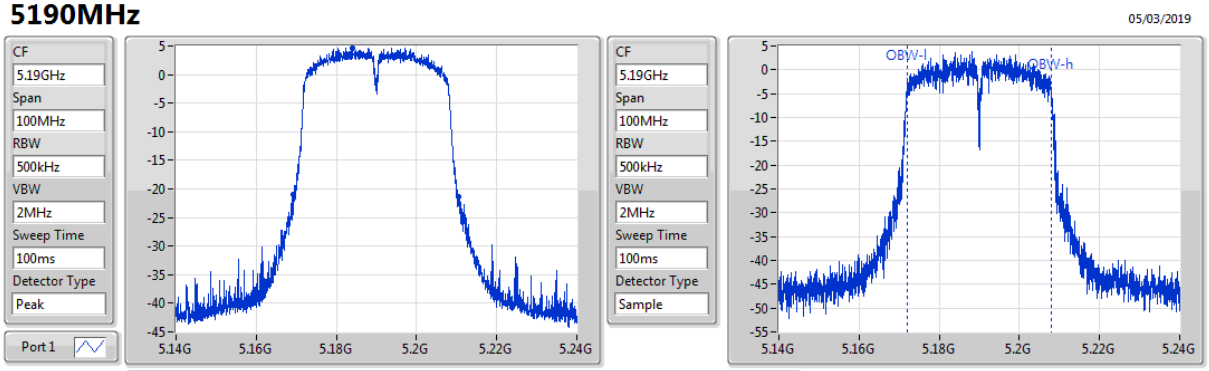


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	5.81745G	5.8325G	17.391M	5.816279G	5.833671G	500k	1

802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5190MHz

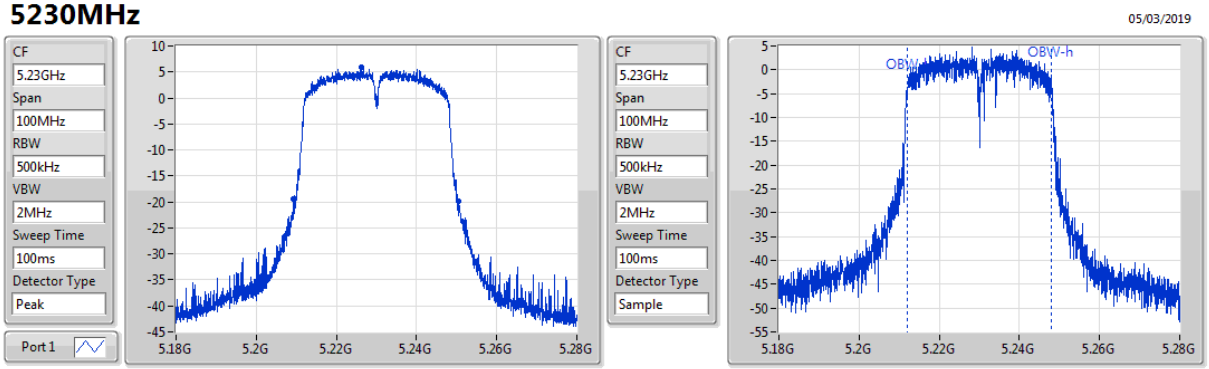


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.35M	5.16915G	5.2105G	35.832M	5.172009G	5.207841G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5230MHz



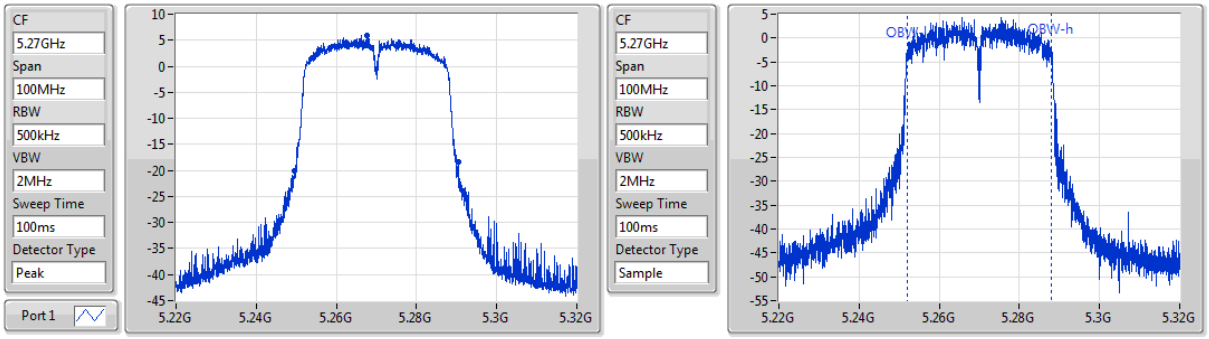
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.2M	5.2092G	5.2504G	35.832M	5.212109G	5.247941G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5270MHz

05/03/2019



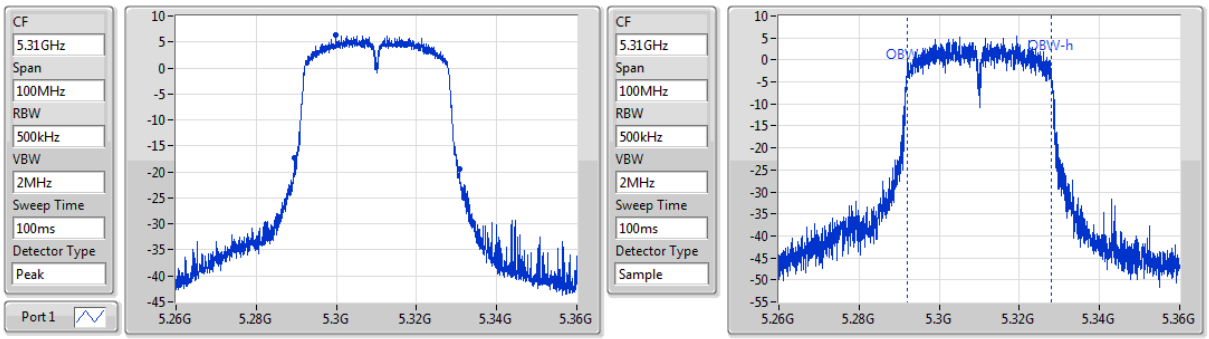
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.95M	5.2495G	5.29045G	35.832M	5.252059G	5.287891G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5310MHz

05/03/2019



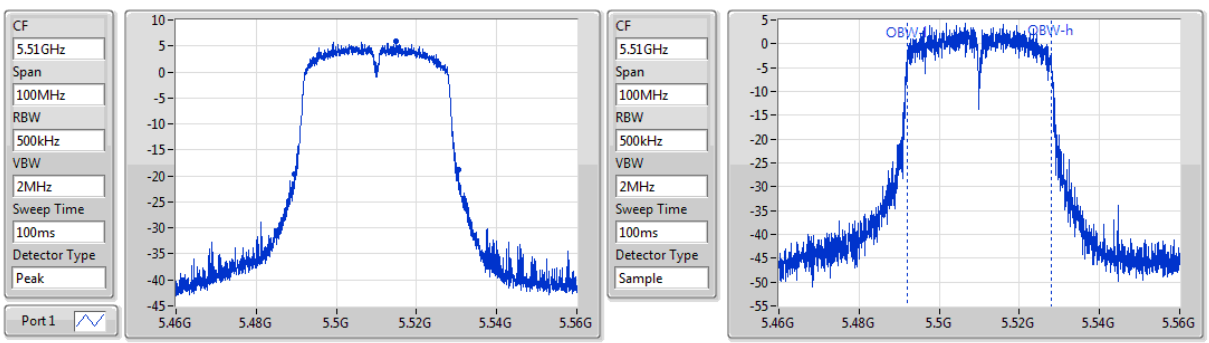
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.05M	5.2896G	5.33065G	35.832M	5.292059G	5.327891G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

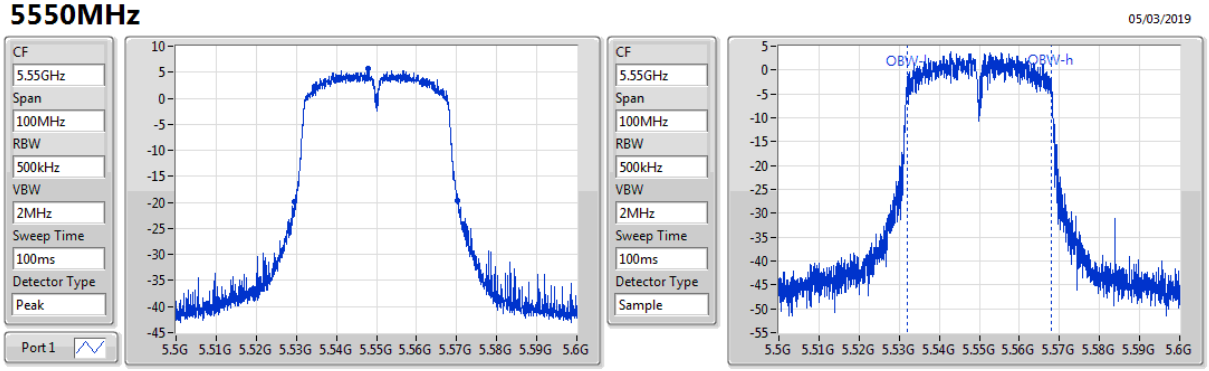
5510MHz

05/03/2019



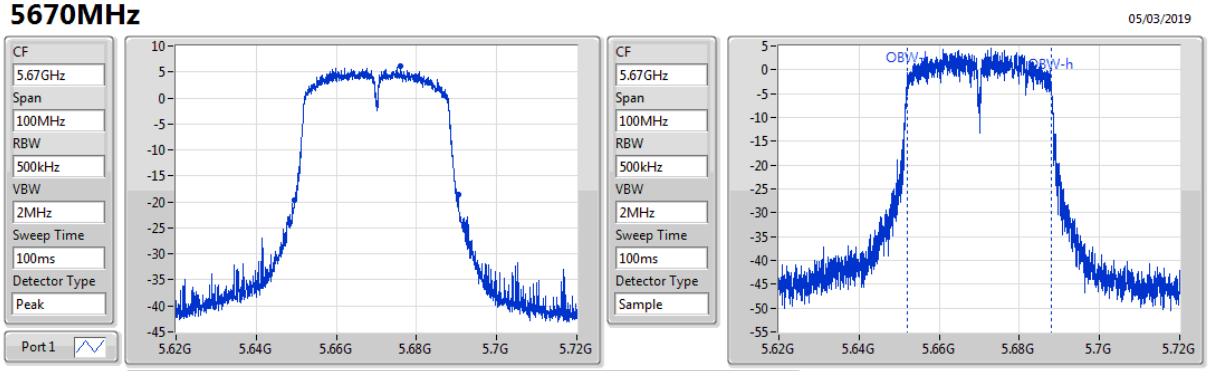
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.75M	5.48965G	5.5304G	35.832M	5.492059G	5.527891G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5550MHz



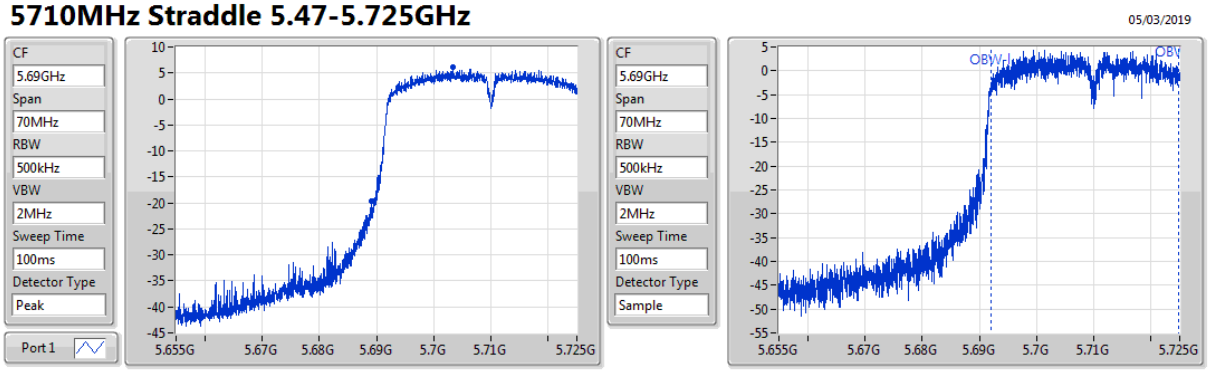
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.7M	5.5296G	5.5703G	35.882M	5.532009G	5.567891G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.8M	5.6496G	5.6904G	35.832M	5.652009G	5.687841G	Inf	1

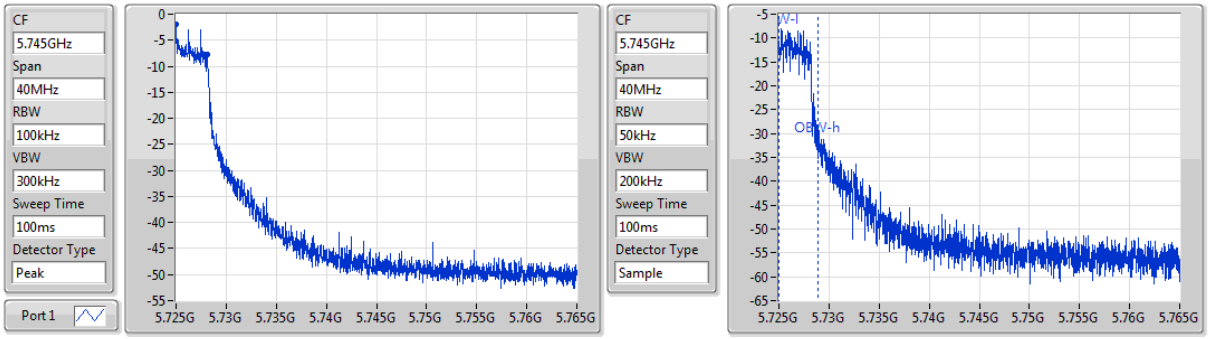
802.11ac VHT40_Nss1,(MCS0)_1TX
EBW
5710MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.945M	5.689055G	5.725G	32.744M	5.692029G	5.724773G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX
5710MHz Straddle 5.725-5.85GHz
EBW

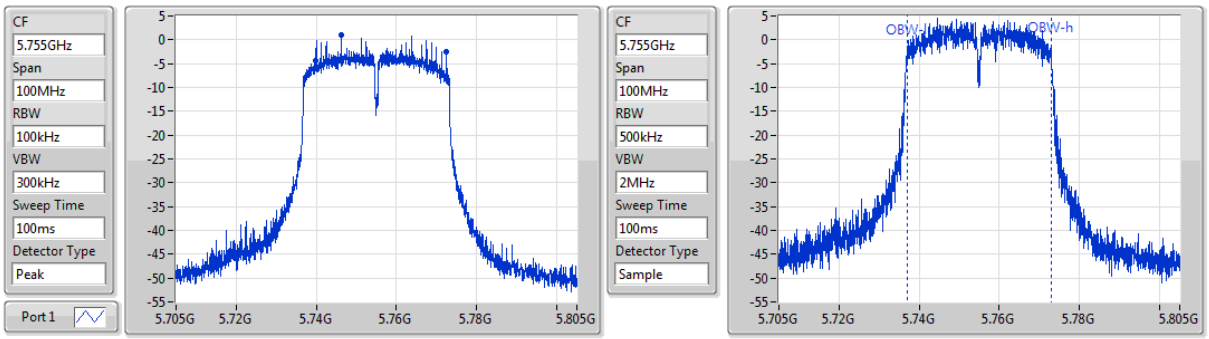
05/03/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.1M	5.725G	5.7281G	3.918M	5.72501G	5.728928G	500k	1

802.11ac VHT40_Nss1,(MCS0)_1TX
5755MHz
EBW

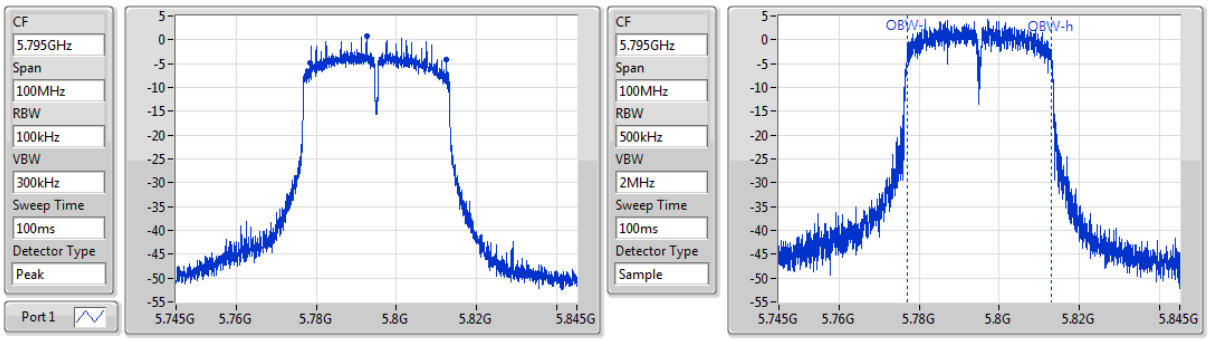
05/03/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.75M	5.73975G	5.7725G	35.782M	5.737059G	5.772841G	500k	1

802.11ac VHT40_Nss1,(MCS0)_1TX
5795MHz
EBW

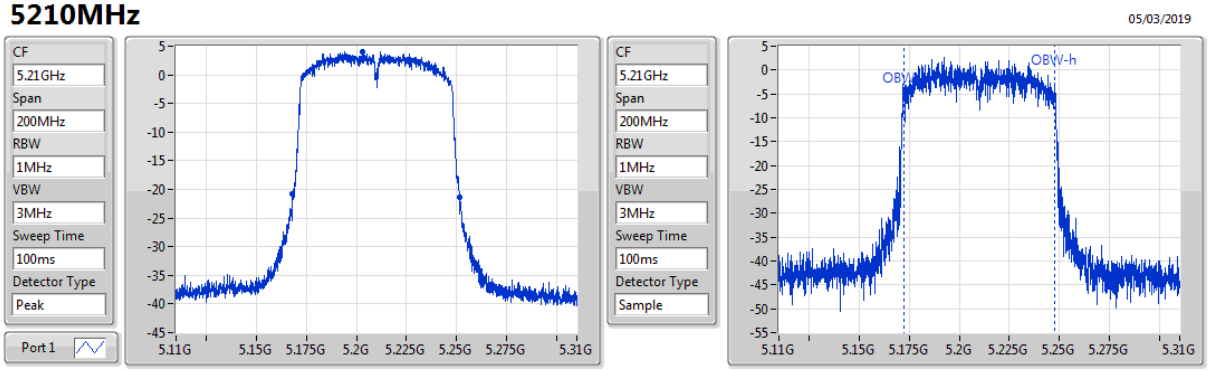
05/03/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.05M	5.7784G	5.81245G	35.882M	5.777009G	5.812891G	500k	1

802.11ac VHT80_Nss1,(MCS0)_1TX **EBW**

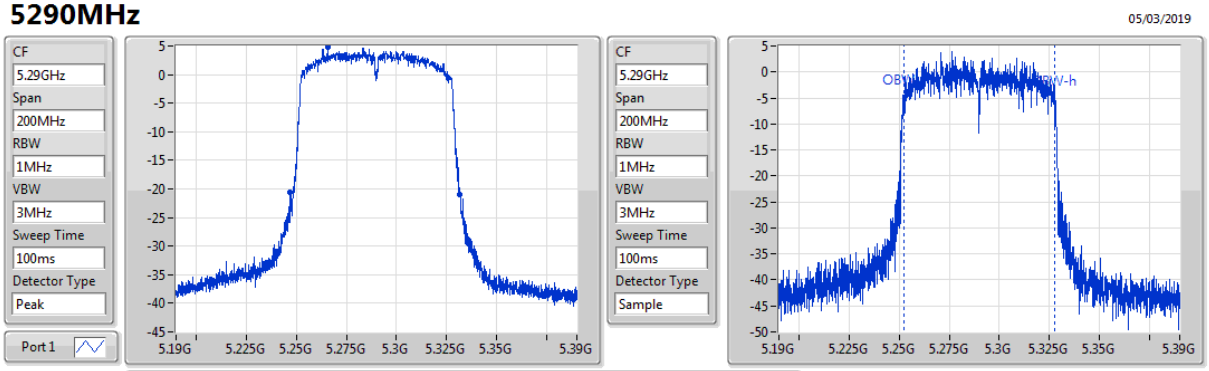
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.7M	5.1679G	5.2516G	75.362M	5.172219G	5.247581G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX **EBW**

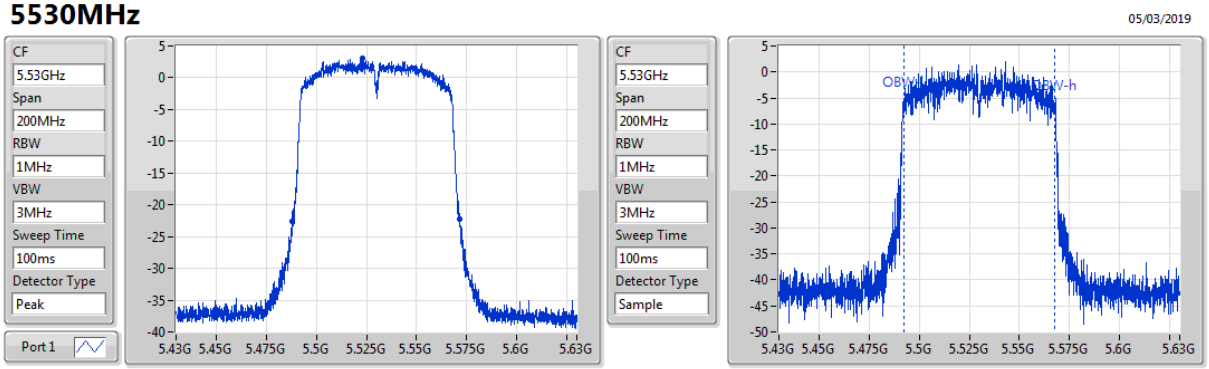
5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
84.7M	5.247G	5.3317G	74.963M	5.252419G	5.327381G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX **EBW**

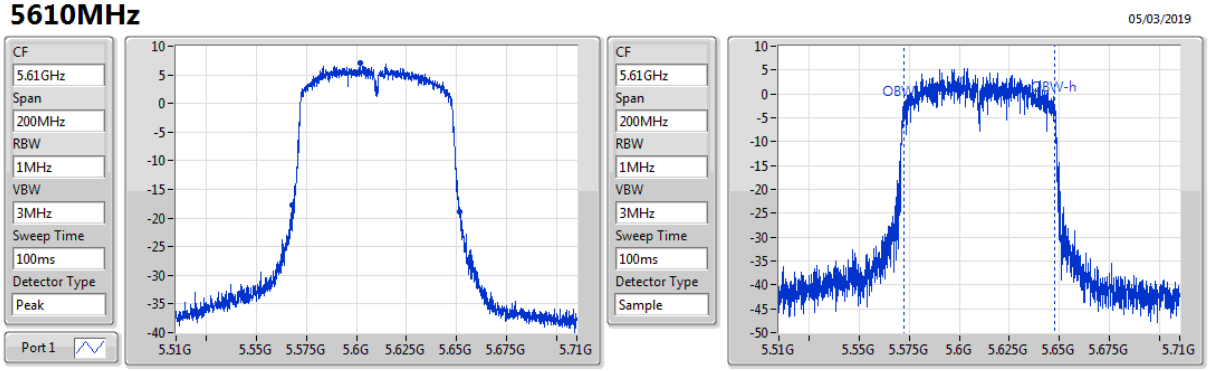
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.6M	5.4879G	5.5715G	75.062M	5.492319G	5.567381G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX EBW

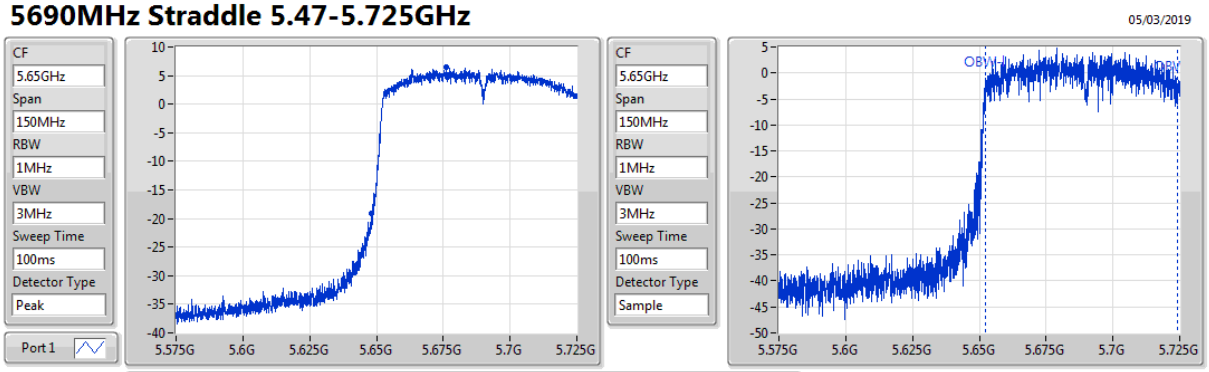
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.6M	5.568G	5.6516G	75.062M	5.572319G	5.647381G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX EBW

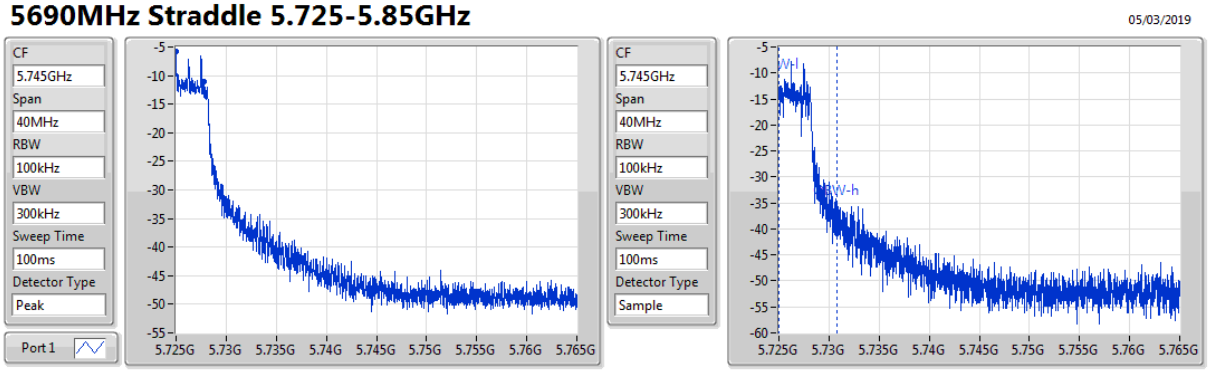
5690MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.95M	5.64805G	5.725G	71.964M	5.652399G	5.724363G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX EBW

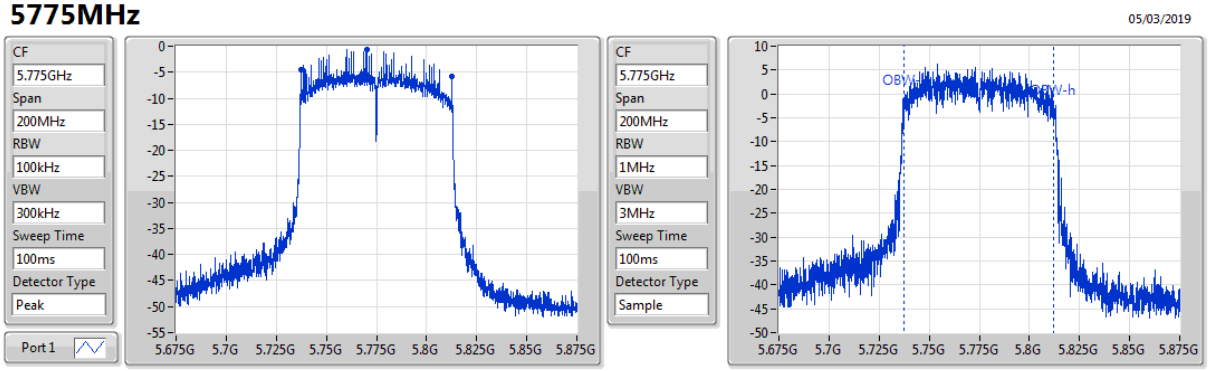
5690MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.74M	5.725G	5.72774G	5.777M	5.72501G	5.730787G	500k	1

802.11ac VHT80_Nss1,(MCS0)_1TX **EBW**

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75M	5.7375G	5.8125G	74.763M	5.737419G	5.812181G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.27	0.04236	21.27	0.13397
802.11ac VHT20_Nss1,(MCS0)_1TX	15.19	0.03304	20.19	0.10447
802.11ac VHT40_Nss1,(MCS0)_1TX	14.41	0.02761	19.41	0.08730
802.11ac VHT80_Nss1,(MCS0)_1TX	11.99	0.01581	16.99	0.05000
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	15.94	0.03926	20.94	0.12417
802.11ac VHT20_Nss1,(MCS0)_1TX	14.89	0.03083	19.89	0.09750
802.11ac VHT40_Nss1,(MCS0)_1TX	14.97	0.03141	19.97	0.09931
802.11ac VHT80_Nss1,(MCS0)_1TX	12.46	0.01762	17.46	0.05572
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.32	0.04285	21.32	0.13552
802.11ac VHT20_Nss1,(MCS0)_1TX	15.26	0.03357	20.26	0.10617
802.11ac VHT40_Nss1,(MCS0)_1TX	14.63	0.02904	19.63	0.09183
802.11ac VHT80_Nss1,(MCS0)_1TX	14.88	0.03076	19.88	0.09727
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.29	0.04256	21.29	0.13459
802.11ac VHT20_Nss1,(MCS0)_1TX	15.25	0.03350	20.25	0.10593
802.11ac VHT40_Nss1,(MCS0)_1TX	14.49	0.02812	19.49	0.08892
802.11ac VHT80_Nss1,(MCS0)_1TX	14.84	0.03048	19.84	0.09638

Result

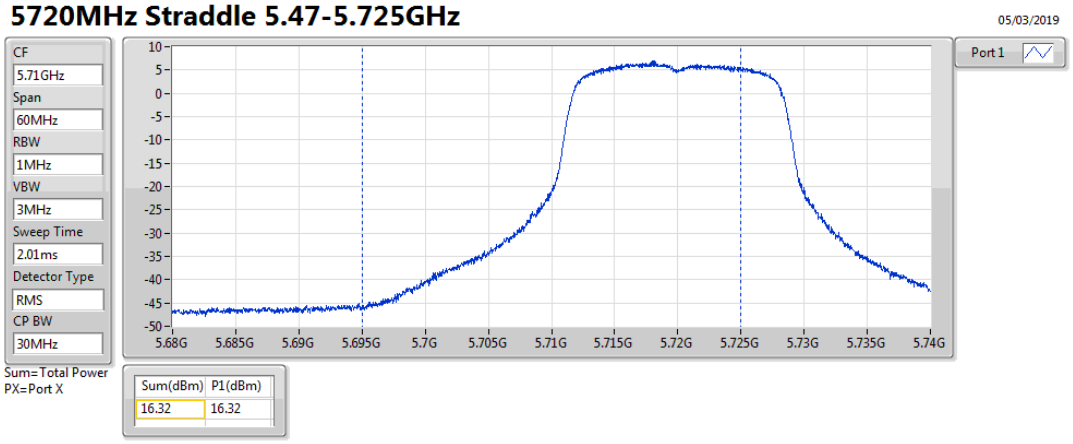
Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	5.00	16.27	16.27	24.00	21.27	30.00
5200MHz_TnomVnom	Pass	5.00	16.12	16.12	24.00	21.12	30.00
5240MHz_TnomVnom	Pass	5.00	16.03	16.03	24.00	21.03	30.00
5260MHz_TnomVnom	Pass	5.00	15.94	15.94	23.92	20.94	29.92
5300MHz_TnomVnom	Pass	5.00	15.73	15.73	23.91	20.73	29.91
5320MHz_TnomVnom	Pass	5.00	15.54	15.54	23.83	20.54	29.83
5500MHz_TnomVnom	Pass	5.00	16.18	16.18	24.00	21.18	30.00
5580MHz_TnomVnom	Pass	5.00	15.87	15.87	24.00	20.87	30.00
5700MHz_TnomVnom	Pass	5.00	16.29	16.29	23.92	21.29	29.92
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.00	16.32	16.32	24.00	21.32	30.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.00	8.93	8.93	30.00	13.93	36.00
5745MHz_TnomVnom	Pass	5.00	16.29	16.29	30.00	21.29	36.00
5785MHz_TnomVnom	Pass	5.00	16.14	16.14	30.00	21.14	36.00
5825MHz_TnomVnom	Pass	5.00	16.05	16.05	30.00	21.05	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	5.00	15.19	15.19	24.00	20.19	30.00
5200MHz_TnomVnom	Pass	5.00	15.05	15.05	24.00	20.05	30.00
5240MHz_TnomVnom	Pass	5.00	14.93	14.93	24.00	19.93	30.00
5260MHz_TnomVnom	Pass	5.00	14.89	14.89	24.00	19.89	30.00
5300MHz_TnomVnom	Pass	5.00	14.67	14.67	24.00	19.67	30.00
5320MHz_TnomVnom	Pass	5.00	14.68	14.68	23.93	19.68	29.93
5500MHz_TnomVnom	Pass	5.00	15.03	15.03	23.93	20.03	29.93
5580MHz_TnomVnom	Pass	5.00	14.81	14.81	23.99	19.81	29.99
5700MHz_TnomVnom	Pass	5.00	15.26	15.26	24.00	20.26	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.00	14.73	14.73	22.75	19.73	28.75
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.00	7.74	7.74	30.00	12.74	36.00
5745MHz_TnomVnom	Pass	5.00	15.25	15.25	30.00	20.25	36.00
5785MHz_TnomVnom	Pass	5.00	15.10	15.10	30.00	20.10	36.00
5825MHz_TnomVnom	Pass	5.00	14.99	14.99	30.00	19.99	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	5.00	13.52	13.52	24.00	18.52	30.00
5230MHz_TnomVnom	Pass	5.00	14.41	14.41	24.00	19.41	30.00
5270MHz_TnomVnom	Pass	5.00	14.25	14.25	24.00	19.25	30.00
5310MHz_TnomVnom	Pass	5.00	14.97	14.97	24.00	19.97	30.00
5510MHz_TnomVnom	Pass	5.00	14.41	14.41	24.00	19.41	30.00
5550MHz_TnomVnom	Pass	5.00	14.24	14.24	24.00	19.24	30.00
5670MHz_TnomVnom	Pass	5.00	14.55	14.55	24.00	19.55	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.00	14.63	14.63	24.00	19.63	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.00	1.91	1.91	30.00	6.91	36.00
5755MHz_TnomVnom	Pass	5.00	14.49	14.49	30.00	19.49	36.00
5795MHz_TnomVnom	Pass	5.00	14.38	14.38	30.00	19.38	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	5.00	11.99	11.99	24.00	16.99	30.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5290MHz_TnomVnom	Pass	5.00	12.46	12.46	24.00	17.46	30.00
5530MHz_TnomVnom	Pass	5.00	10.88	10.88	24.00	15.88	30.00
5610MHz_TnomVnom	Pass	5.00	14.47	14.47	24.00	19.47	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.00	14.88	14.88	24.00	19.88	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.00	-1.99	-1.99	30.00	3.01	36.00
5775MHz_TnomVnom	Pass	5.00	14.84	14.84	30.00	19.84	36.00

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

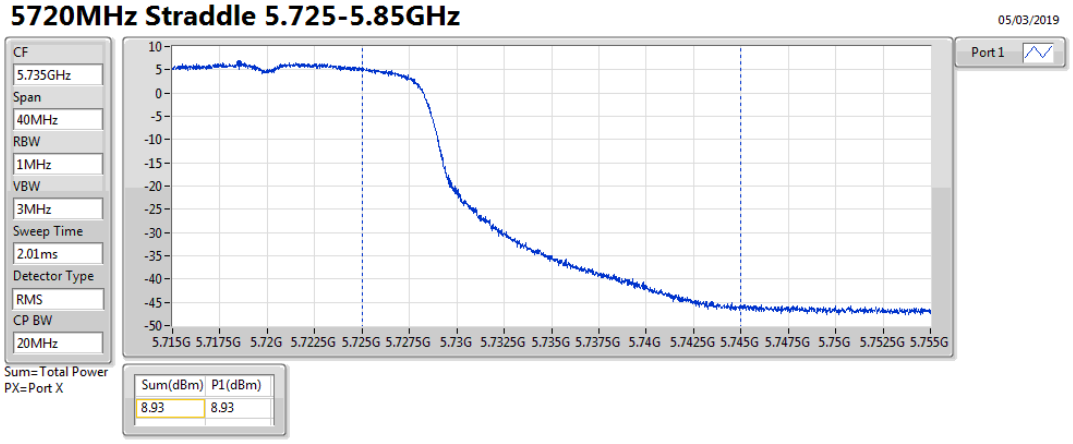
802.11a_Nss1,(6Mbps)_1TX **AV Power**

5720MHz Straddle 5.47-5.725GHz



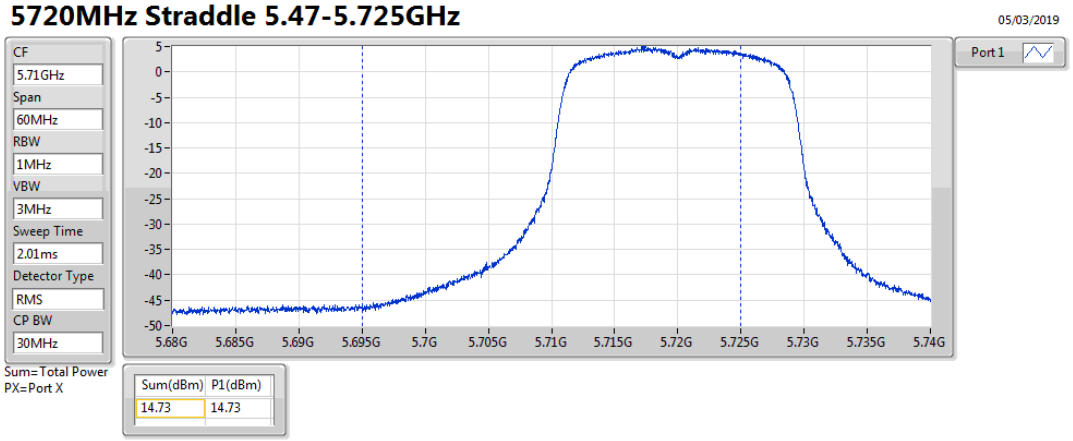
802.11a_Nss1,(6Mbps)_1TX **AV Power**

5720MHz Straddle 5.725-5.85GHz



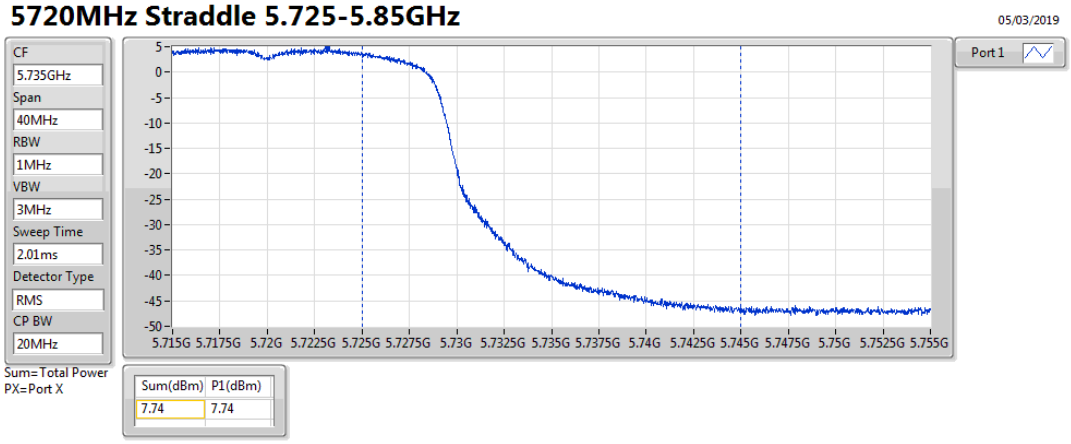
802.11ac VHT20_Nss1,(MCS0)_1TX **AV Power**

5720MHz Straddle 5.47-5.725GHz



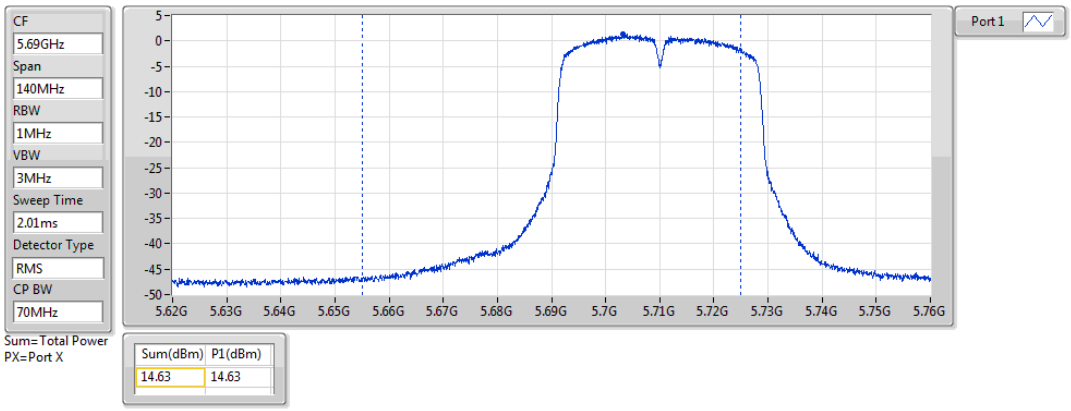
802.11ac VHT20_Nss1,(MCS0)_1TX **AV Power**

5720MHz Straddle 5.725-5.85GHz



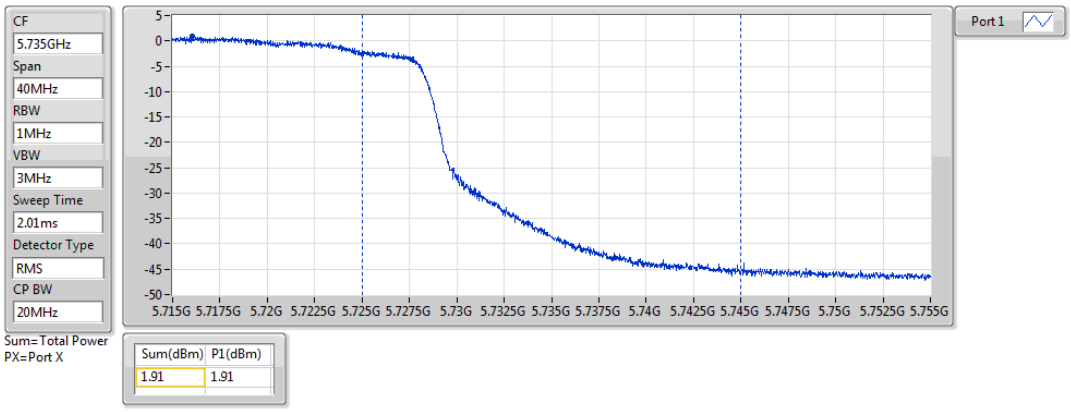
802.11ac VHT40_Nss1,(MCS0)_1TX **AV Power**

5710MHz Straddle 5.47-5.725GHz



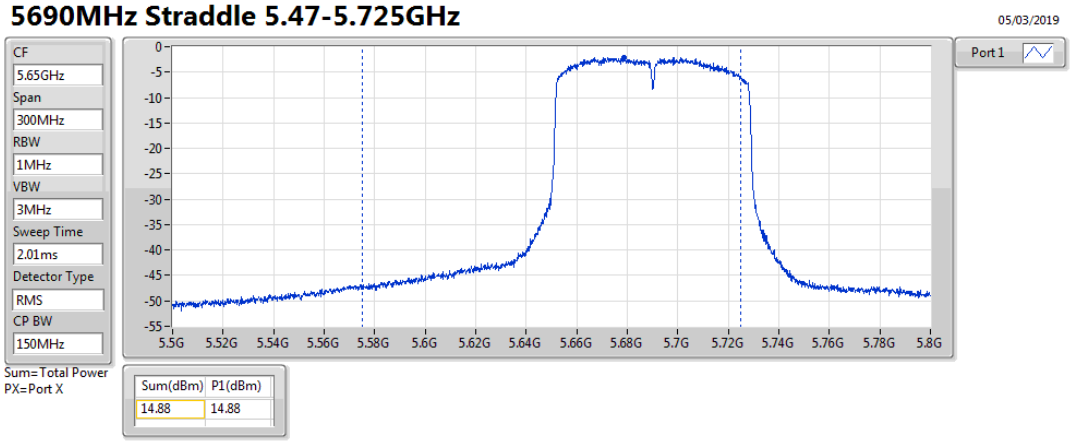
802.11ac VHT40_Nss1,(MCS0)_1TX **AV Power**

5710MHz Straddle 5.725-5.85GHz



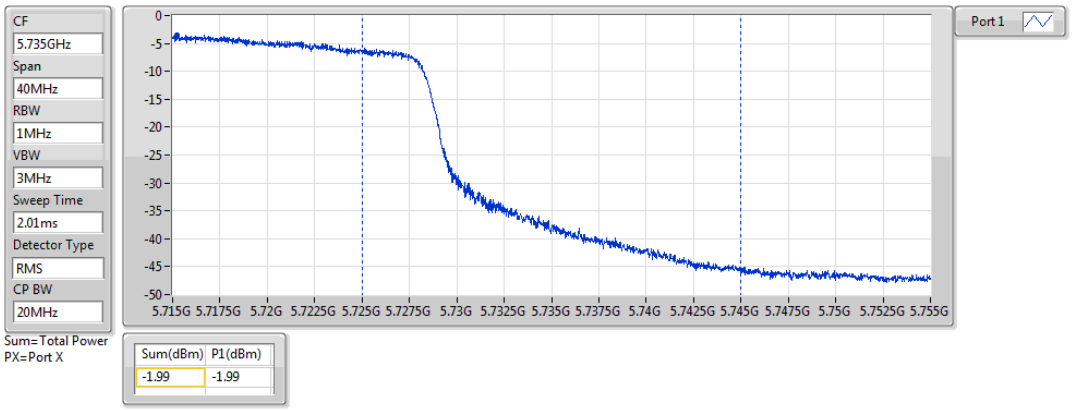
802.11ac VHT80_Nss1,(MCS0)_1TX **AV Power**

5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_1TX **AV Power**

5690MHz Straddle 5.725-5.85GHz



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	3.64	8.64
802.11ac VHT20_Nss1,(MCS0)_1TX	2.85	7.85
802.11ac VHT40_Nss1,(MCS0)_1TX	-0.88	4.12
802.11ac VHT80_Nss1,(MCS0)_1TX	-6.16	-1.16
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	3.37	8.37
802.11ac VHT20_Nss1,(MCS0)_1TX	2.53	7.53
802.11ac VHT40_Nss1,(MCS0)_1TX	-0.28	4.72
802.11ac VHT80_Nss1,(MCS0)_1TX	-5.65	-0.65
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	4.52	9.52
802.11ac VHT20_Nss1,(MCS0)_1TX	2.86	7.86
802.11ac VHT40_Nss1,(MCS0)_1TX	-0.70	4.30
802.11ac VHT80_Nss1,(MCS0)_1TX	-3.60	1.40
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	2.15	7.15
802.11ac VHT20_Nss1,(MCS0)_1TX	1.29	6.29
802.11ac VHT40_Nss1,(MCS0)_1TX	-2.29	2.71
802.11ac VHT80_Nss1,(MCS0)_1TX	-4.40	0.60

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

Result

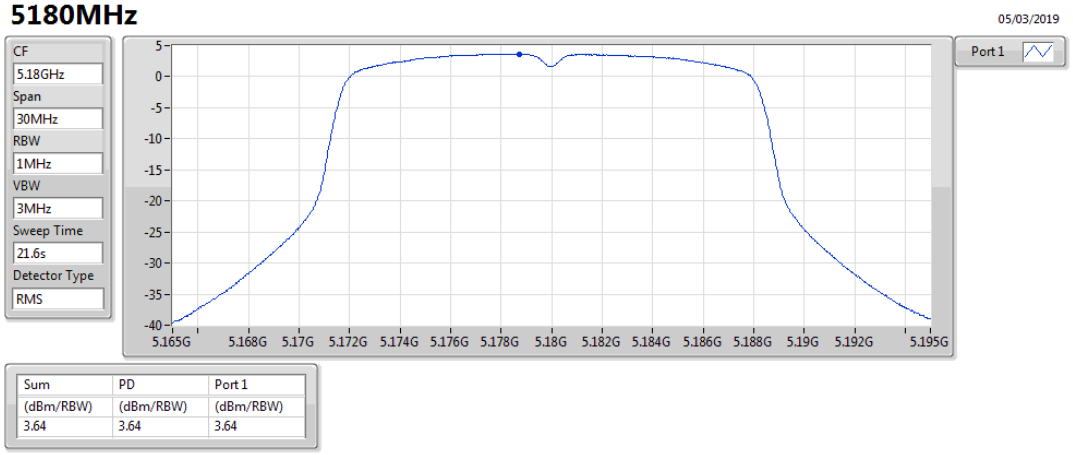
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	5.00	3.64	3.64	11.00	8.64	17.00
5200MHz_TnomVnom	Pass	5.00	3.51	3.51	11.00	8.51	17.00
5240MHz_TnomVnom	Pass	5.00	3.44	3.44	11.00	8.44	17.00
5260MHz_TnomVnom	Pass	5.00	3.37	3.37	11.00	8.37	17.00
5300MHz_TnomVnom	Pass	5.00	3.12	3.12	11.00	8.12	17.00
5320MHz_TnomVnom	Pass	5.00	3.12	3.12	11.00	8.12	17.00
5500MHz_TnomVnom	Pass	5.00	3.56	3.56	11.00	8.56	17.00
5580MHz_TnomVnom	Pass	5.00	3.24	3.24	11.00	8.24	17.00
5700MHz_TnomVnom	Pass	5.00	3.68	3.68	11.00	8.68	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.00	4.52	4.52	11.00	9.52	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.00	2.15	2.15	30.00	7.15	36.00
5745MHz_TnomVnom	Pass	5.00	2.12	2.12	30.00	7.12	36.00
5785MHz_TnomVnom	Pass	5.00	2.15	2.15	30.00	7.15	36.00
5825MHz_TnomVnom	Pass	5.00	1.97	1.97	30.00	6.97	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	5.00	2.85	2.85	11.00	7.85	17.00
5200MHz_TnomVnom	Pass	5.00	2.74	2.74	11.00	7.74	17.00
5240MHz_TnomVnom	Pass	5.00	2.65	2.65	11.00	7.65	17.00
5260MHz_TnomVnom	Pass	5.00	2.53	2.53	11.00	7.53	17.00
5300MHz_TnomVnom	Pass	5.00	2.32	2.32	11.00	7.32	17.00
5320MHz_TnomVnom	Pass	5.00	2.32	2.32	11.00	7.32	17.00
5500MHz_TnomVnom	Pass	5.00	2.69	2.69	11.00	7.69	17.00
5580MHz_TnomVnom	Pass	5.00	2.40	2.40	11.00	7.40	17.00
5700MHz_TnomVnom	Pass	5.00	2.86	2.86	11.00	7.86	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.00	2.79	2.79	11.00	7.79	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.00	0.43	0.43	30.00	5.43	36.00
5745MHz_TnomVnom	Pass	5.00	1.29	1.29	30.00	6.29	36.00
5785MHz_TnomVnom	Pass	5.00	1.28	1.28	30.00	6.28	36.00
5825MHz_TnomVnom	Pass	5.00	1.12	1.12	30.00	6.12	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	5.00	-1.66	-1.66	11.00	3.34	17.00
5230MHz_TnomVnom	Pass	5.00	-0.88	-0.88	11.00	4.12	17.00
5270MHz_TnomVnom	Pass	5.00	-0.99	-0.99	11.00	4.01	17.00
5310MHz_TnomVnom	Pass	5.00	-0.28	-0.28	11.00	4.72	17.00
5510MHz_TnomVnom	Pass	5.00	-0.88	-0.88	11.00	4.12	17.00
5550MHz_TnomVnom	Pass	5.00	-1.11	-1.11	11.00	3.89	17.00
5670MHz_TnomVnom	Pass	5.00	-0.72	-0.72	11.00	4.28	17.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.00	-0.70	-0.70	11.00	4.30	17.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.00	-4.79	-4.79	30.00	0.21	36.00
5755MHz_TnomVnom	Pass	5.00	-2.29	-2.29	30.00	2.71	36.00
5795MHz_TnomVnom	Pass	5.00	-2.31	-2.31	30.00	2.69	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	5.00	-6.16	-6.16	11.00	-1.16	17.00

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5290MHz_TnomVnom	Pass	5.00	-5.65	-5.65	11.00	-0.65	17.00
5530MHz_TnomVnom	Pass	5.00	-7.28	-7.28	11.00	-2.28	17.00
5610MHz_TnomVnom	Pass	5.00	-3.60	-3.60	11.00	1.40	17.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.00	-3.96	-3.96	11.00	1.04	17.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.00	-9.35	-9.35	30.00	-4.35	36.00
5775MHz_TnomVnom	Pass	5.00	-4.40	-4.40	30.00	0.60	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)_1TX **PSD**

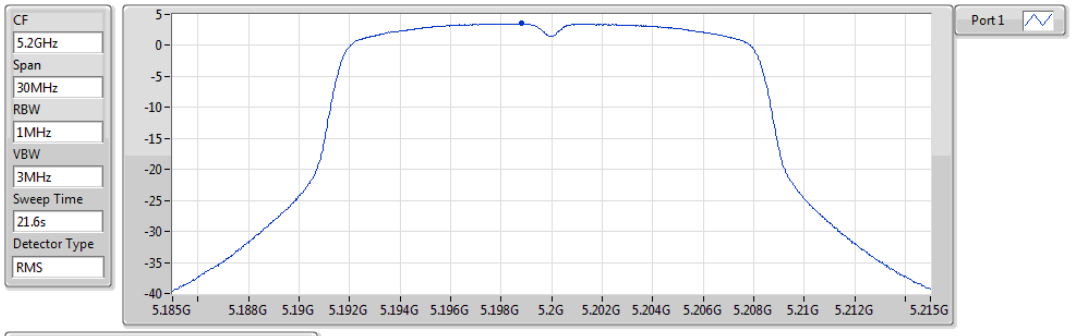
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.64	3.64	3.64

802.11a_Nss1,(6Mbps)_1TX **PSD**

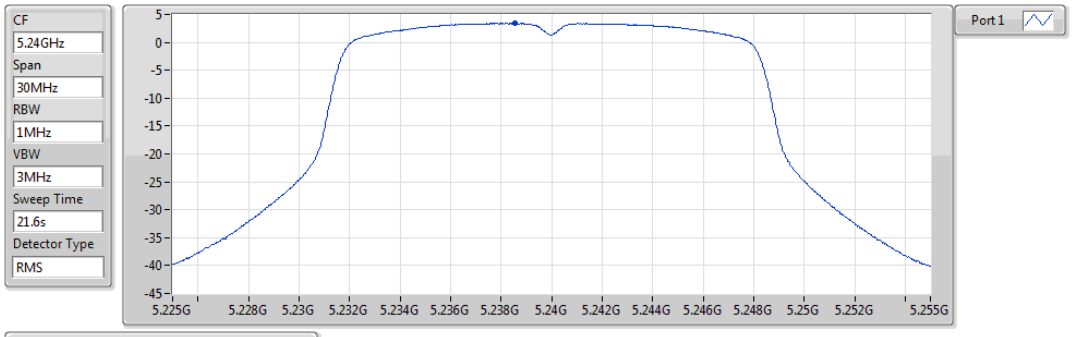
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.51	3.51	3.51

802.11a_Nss1,(6Mbps)_1TX **PSD**

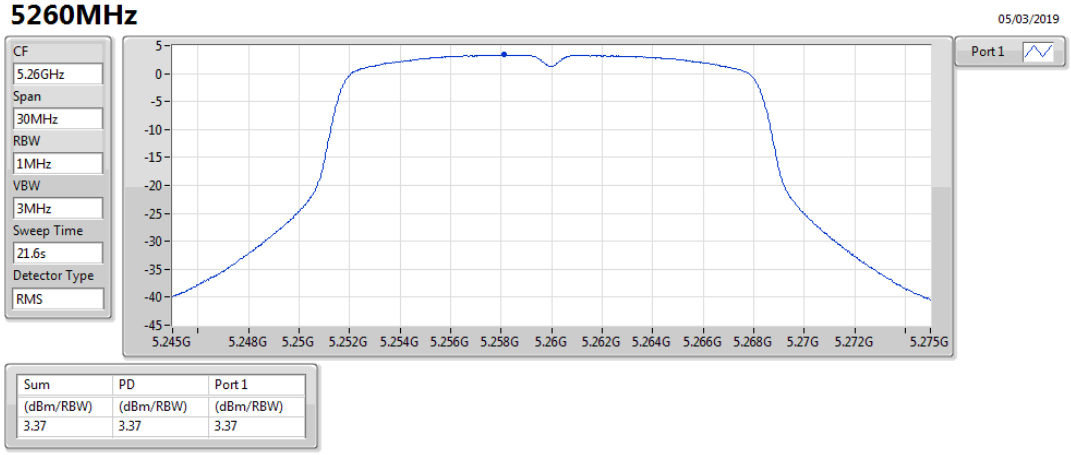
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.44	3.44	3.44

802.11a_Nss1,(6Mbps)_1TX **PSD**

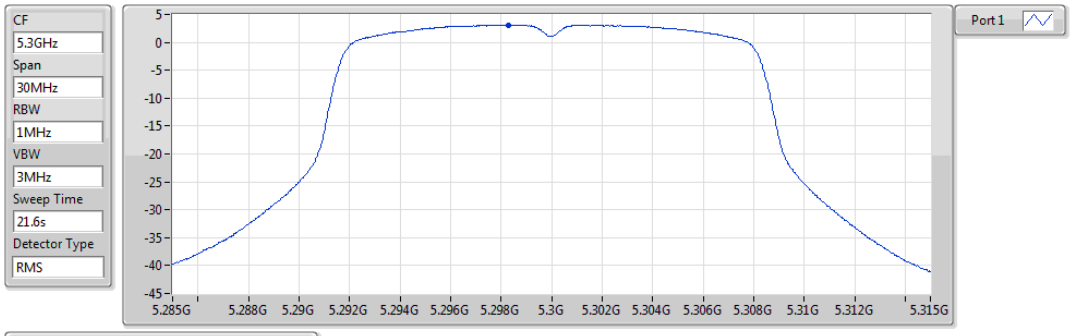
5260MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.37	3.37	3.37

802.11a_Nss1,(6Mbps)_1TX **PSD**

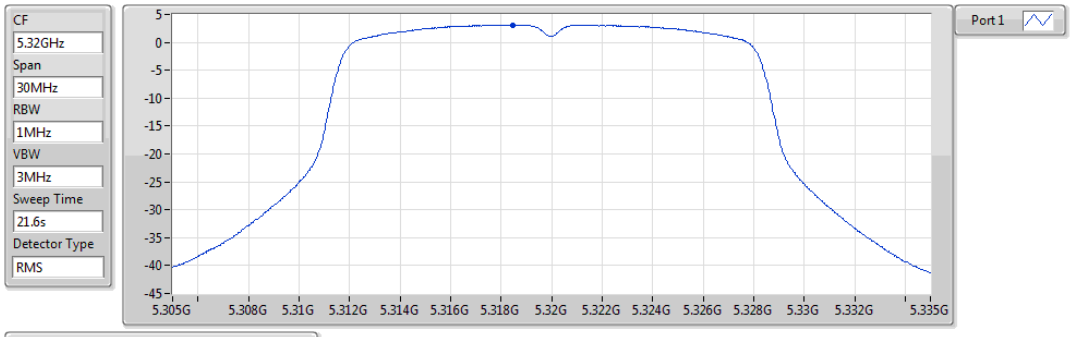
5300MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.12	3.12	3.12

802.11a_Nss1,(6Mbps)_1TX **PSD**

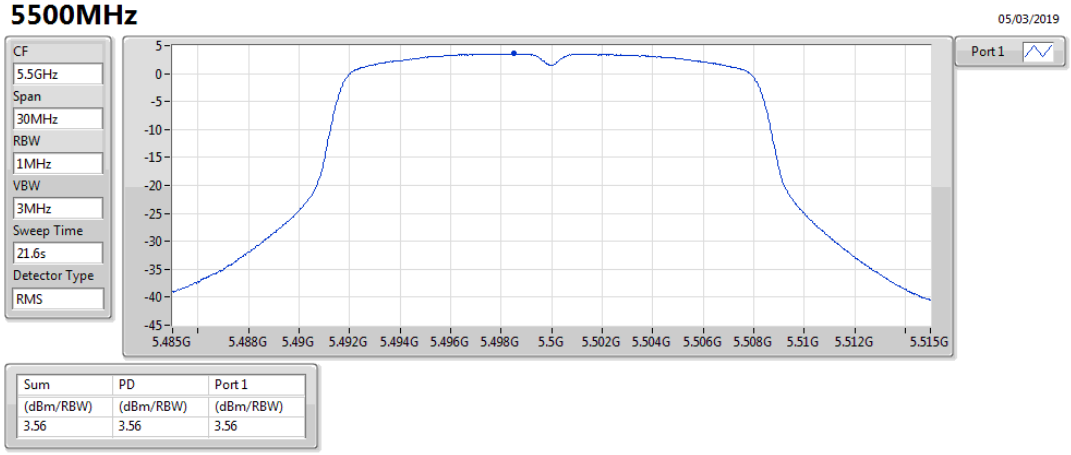
5320MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.12	3.12	3.12

802.11a_Nss1,(6Mbps)_1TX **PSD**

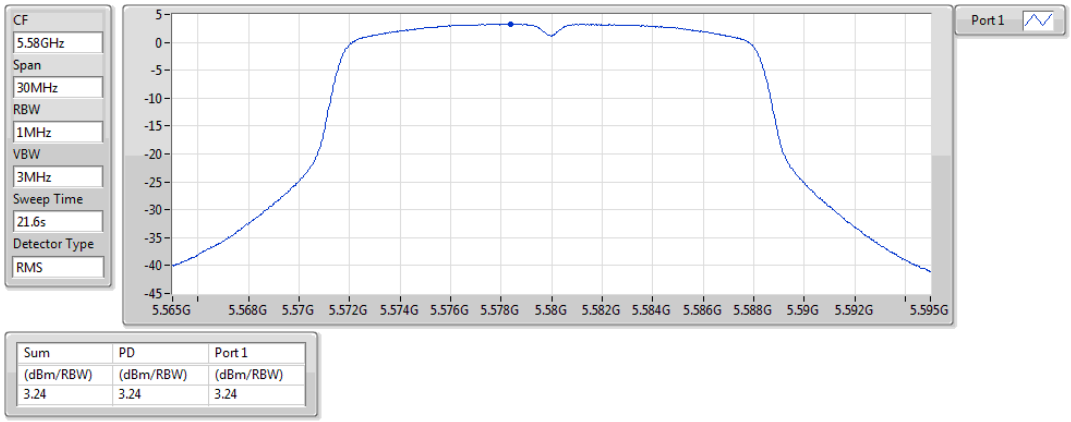
5500MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.56	3.56	3.56

802.11a_Nss1,(6Mbps)_1TX **PSD**

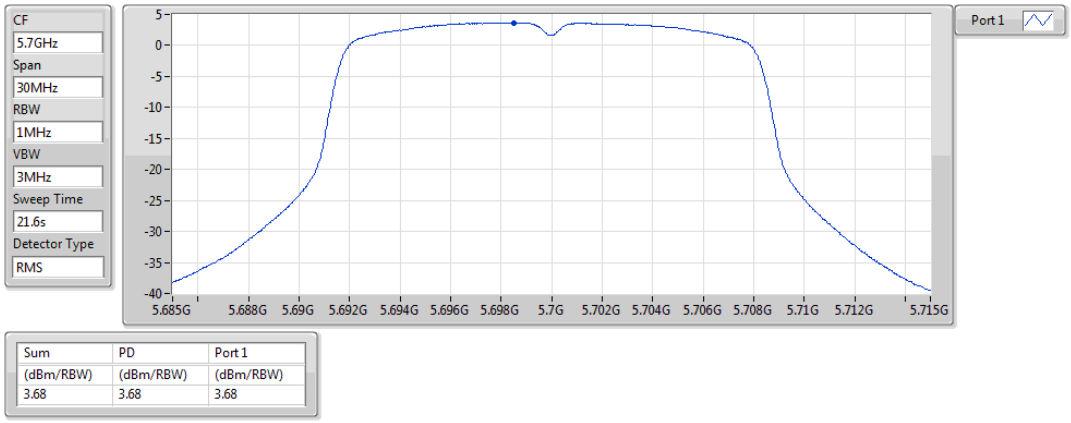
5580MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.24	3.24	3.24

802.11a_Nss1,(6Mbps)_1TX **PSD**

5700MHz

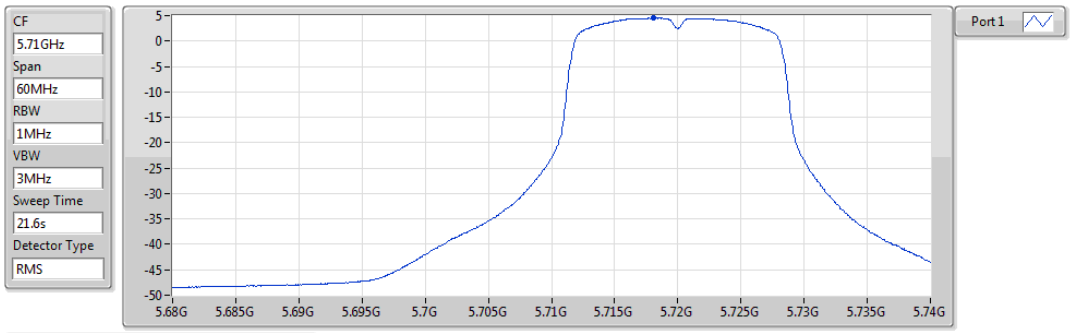


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.68	3.68	3.68

802.11a_Nss1,(6Mbps)_1TX **PSD**

5720MHz Straddle 5.47-5.725GHz

05/03/2019

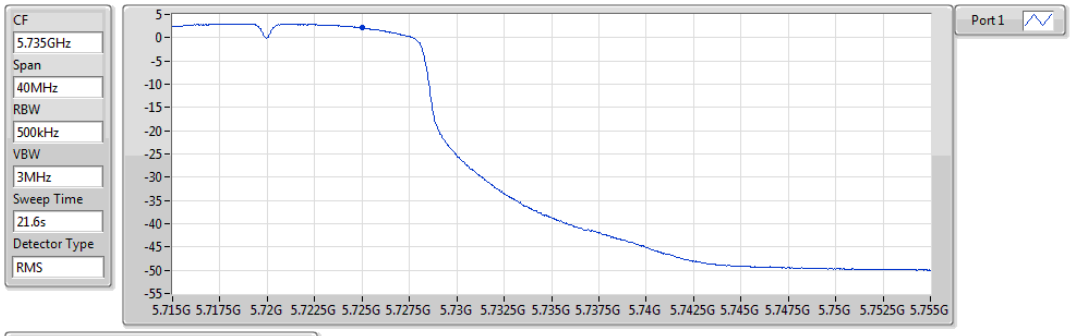


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.52	4.52	4.52

802.11a_Nss1,(6Mbps)_1TX **PSD**

5720MHz Straddle 5.725-5.85GHz

05/03/2019

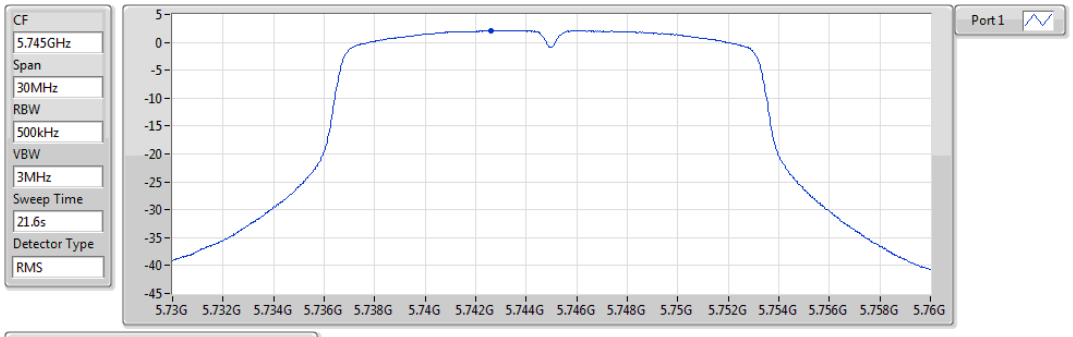


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.15	2.15	2.15

802.11a_Nss1,(6Mbps)_1TX **PSD**

5745MHz

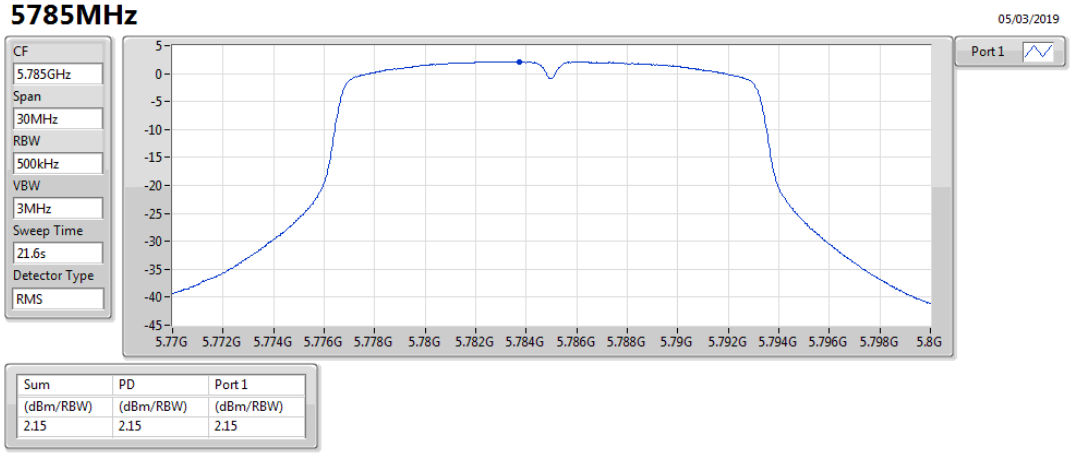
05/03/2019



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.12	2.12	2.12

802.11a_Nss1,(6Mbps)_1TX **PSD**

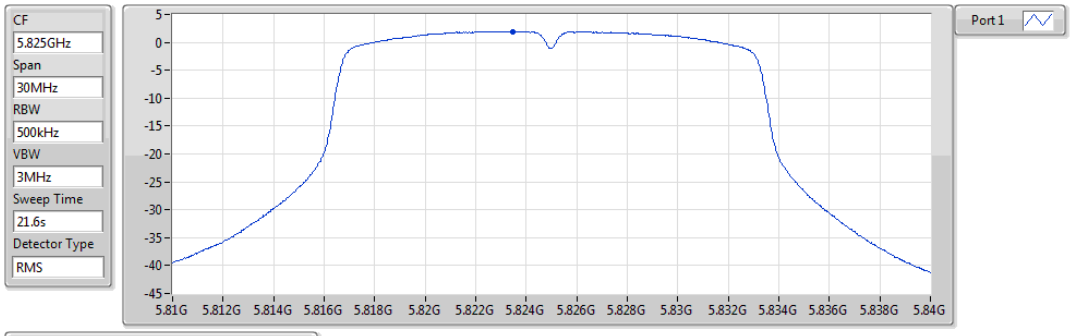
5785MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.15	2.15	2.15

802.11a_Nss1,(6Mbps)_1TX **PSD**

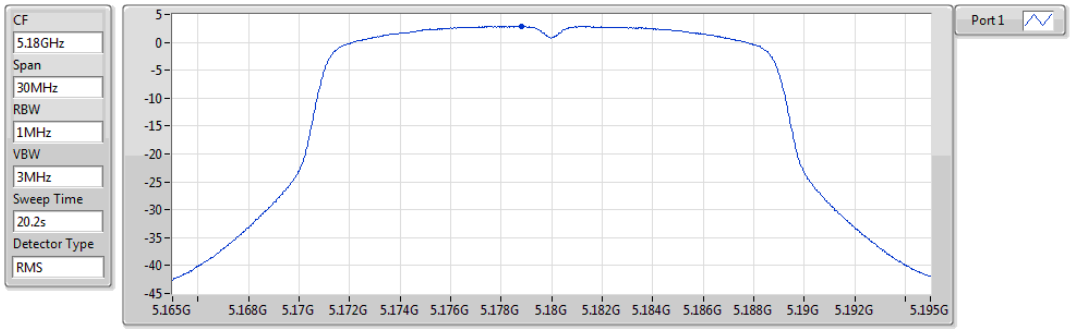
5825MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.97	1.97	1.97

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

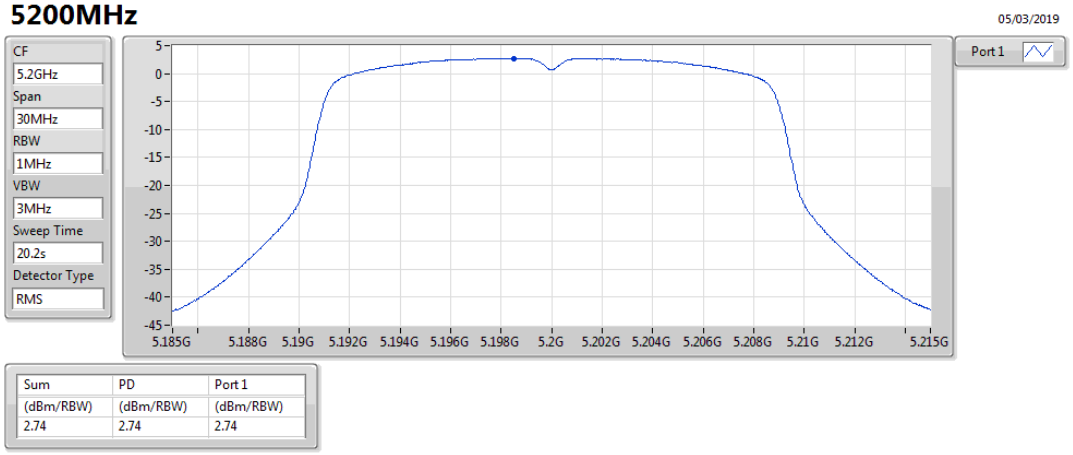
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.85	2.85	2.85

802.11ac VHT20_Nss1,(MCS0)_1TX PSD

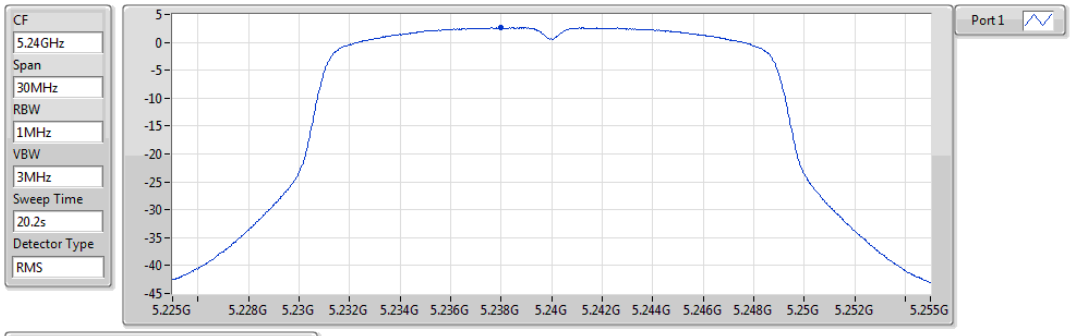
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.74	2.74	2.74

802.11ac VHT20_Nss1,(MCS0)_1TX PSD

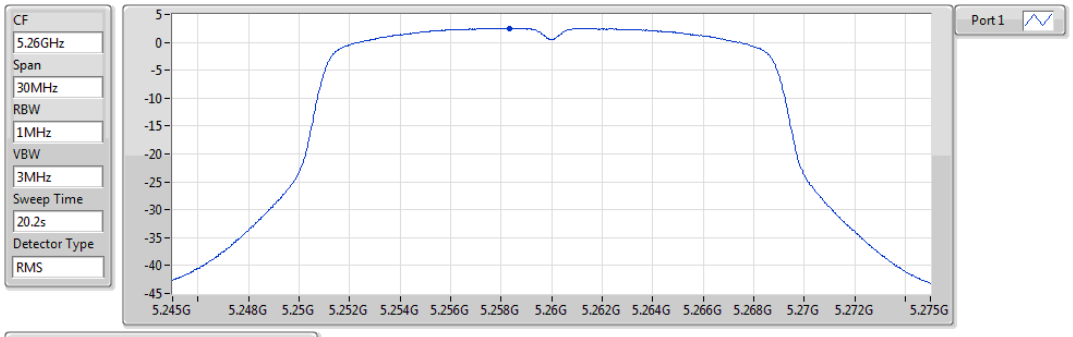
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.65	2.65	2.65

802.11ac VHT20_Nss1,(MCS0)_1TX PSD

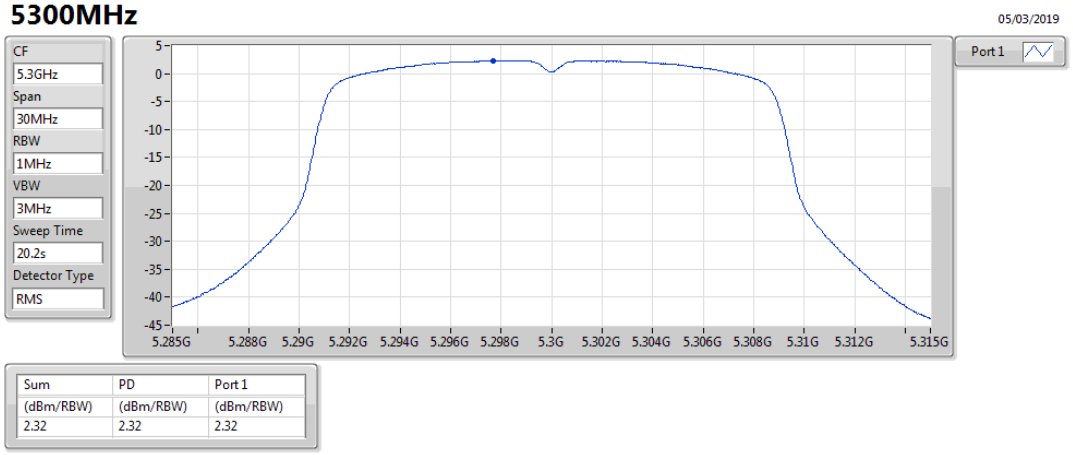
5260MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.53	2.53	2.53

802.11ac VHT20_Nss1,(MCS0)_1TX PSD

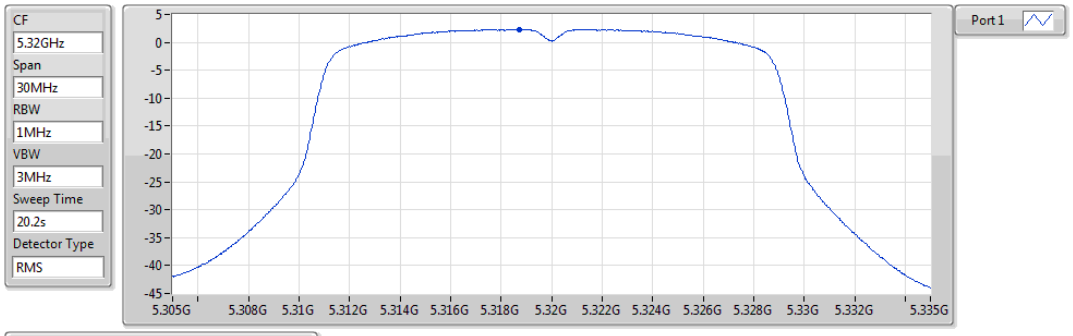
5300MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.32	2.32	2.32

802.11ac VHT20_Nss1,(MCS0)_1TX PSD

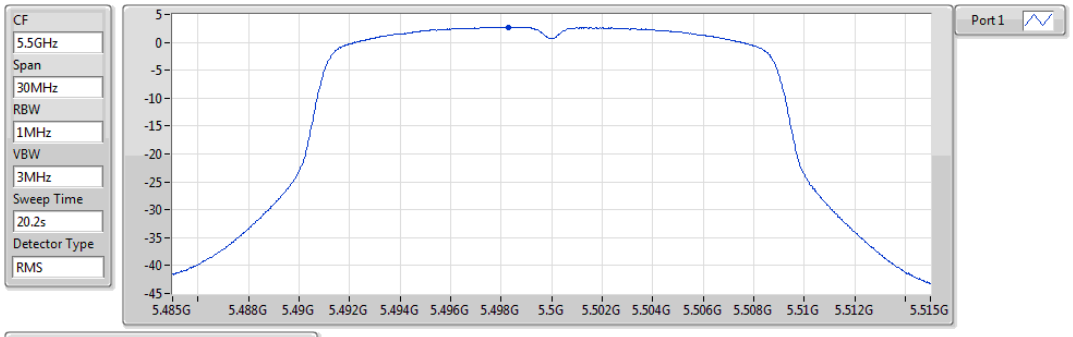
5320MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.32	2.32	2.32

802.11ac VHT20_Nss1,(MCS0)_1TX PSD

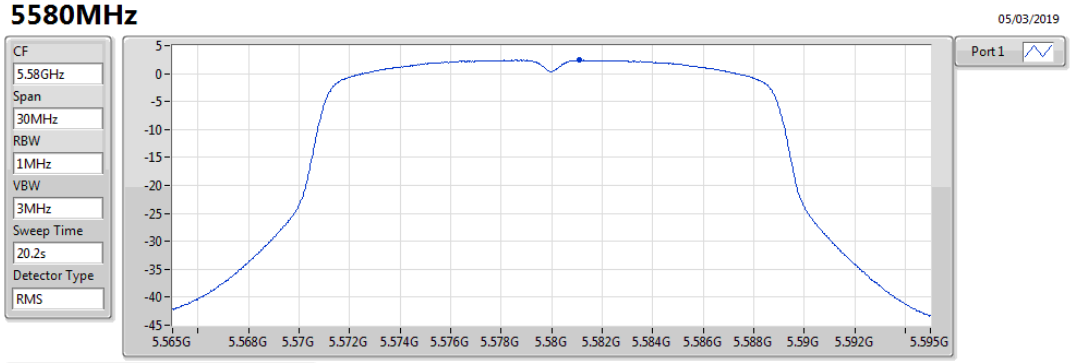
5500MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.69	2.69	2.69

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

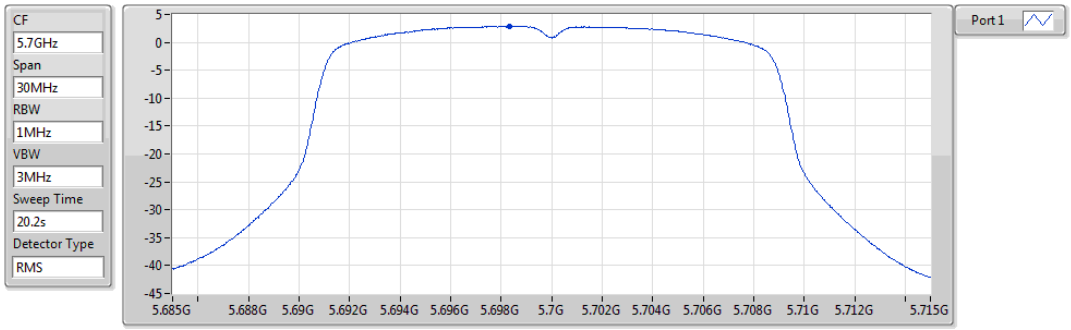
5580MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.40	2.40	2.40

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

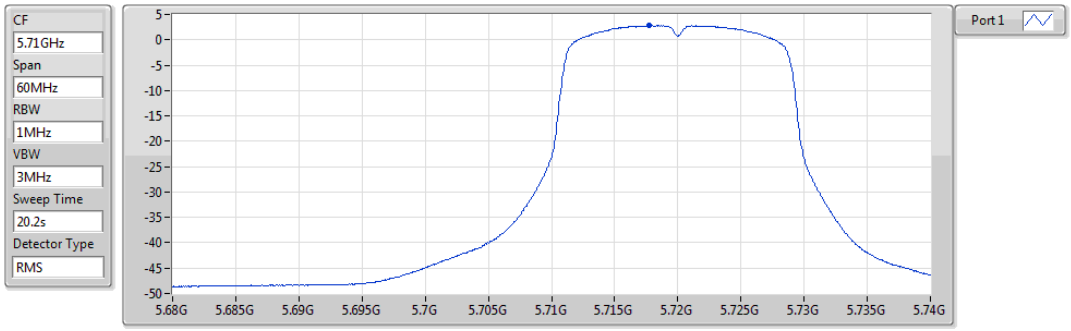
5700MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.86	2.86	2.86

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

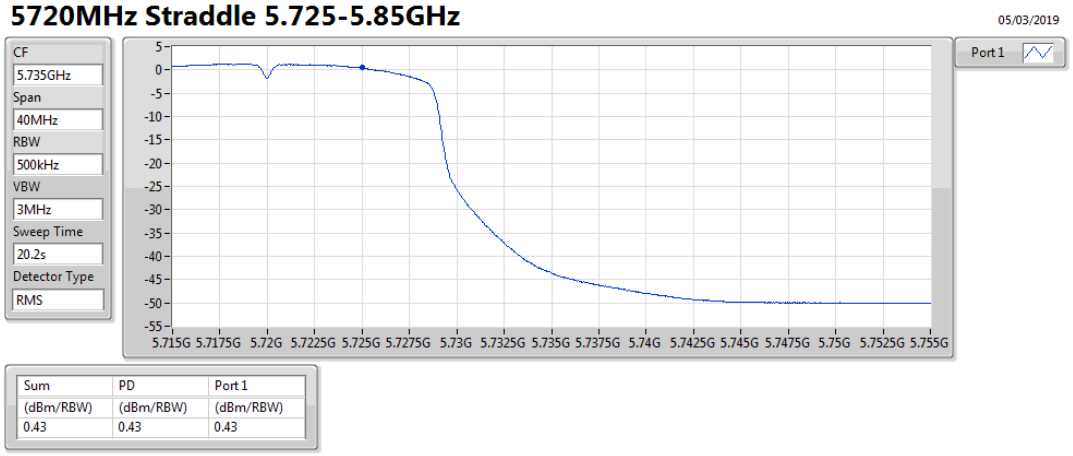
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.79	2.79	2.79

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

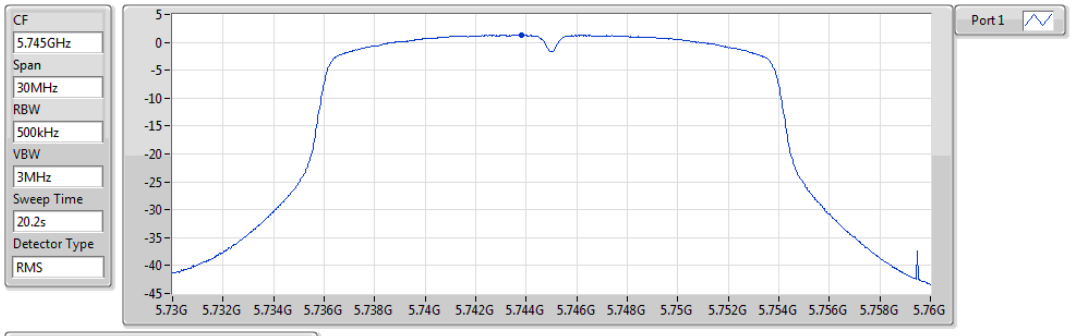
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.43	0.43	0.43

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

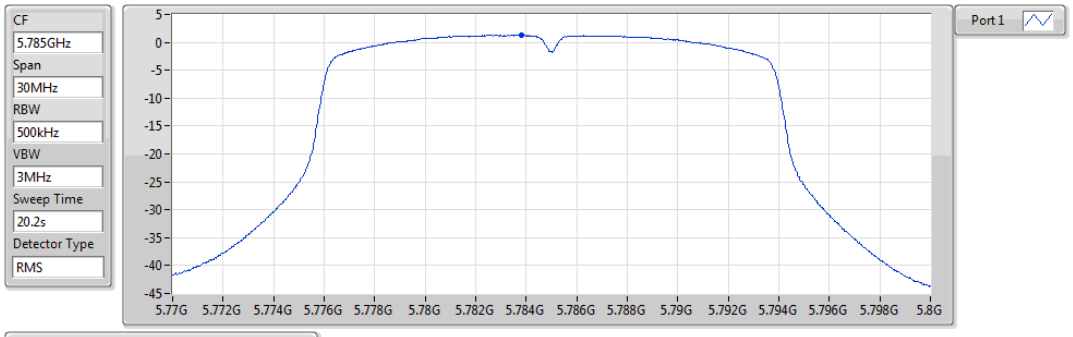
5745MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.29	1.29	1.29

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

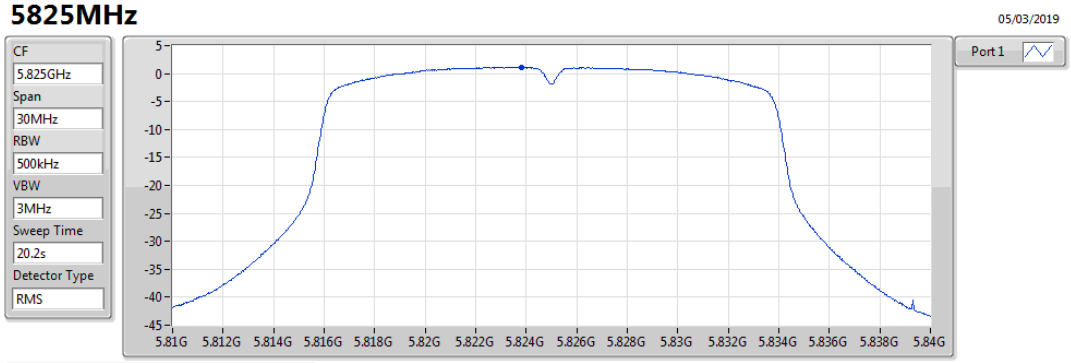
5785MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.28	1.28	1.28

802.11ac VHT20_Nss1,(MCS0)_1TX **PSD**

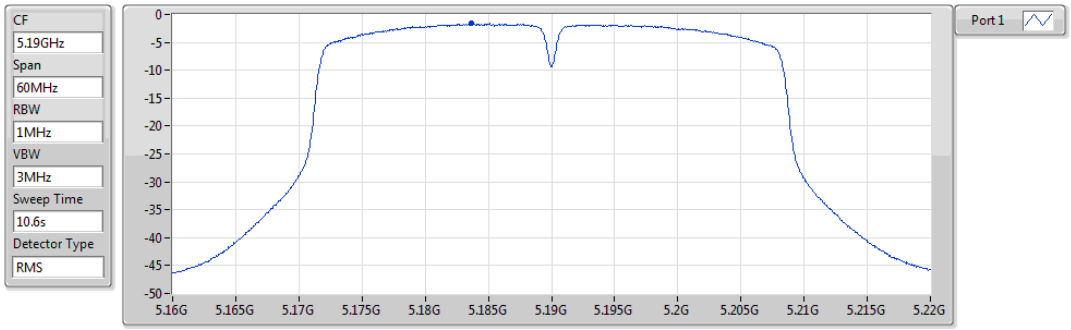
5825MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.12	1.12	1.12

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

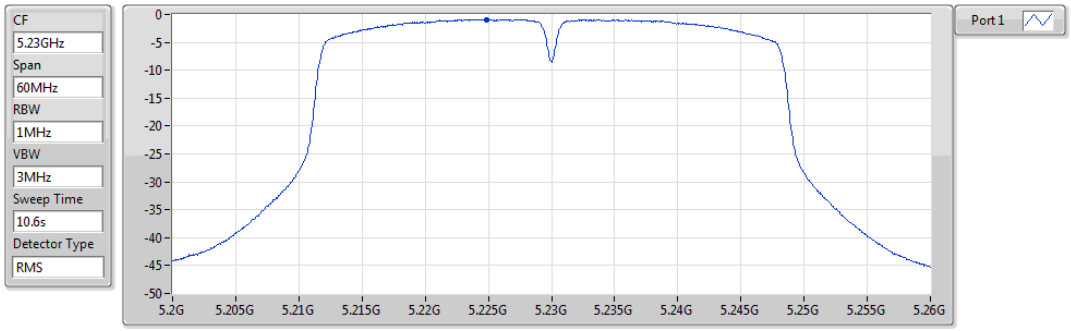
5190MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.66	-1.66	-1.66

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

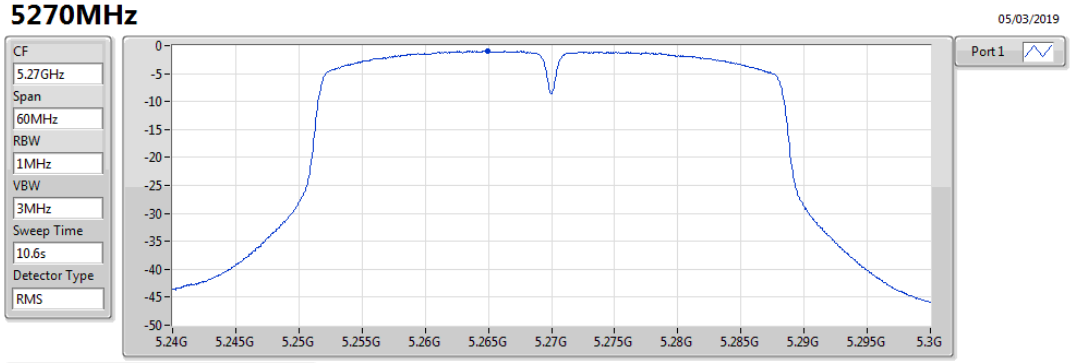
5230MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.88	-0.88	-0.88

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

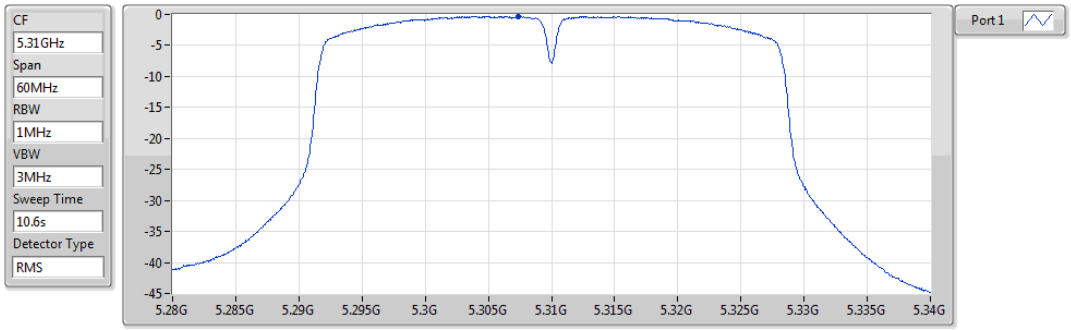
5270MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.99	-0.99	-0.99

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

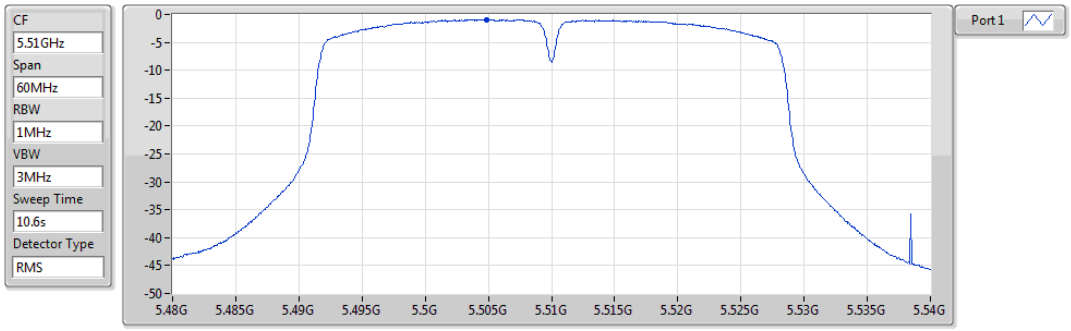
5310MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.28	-0.28	-0.28

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

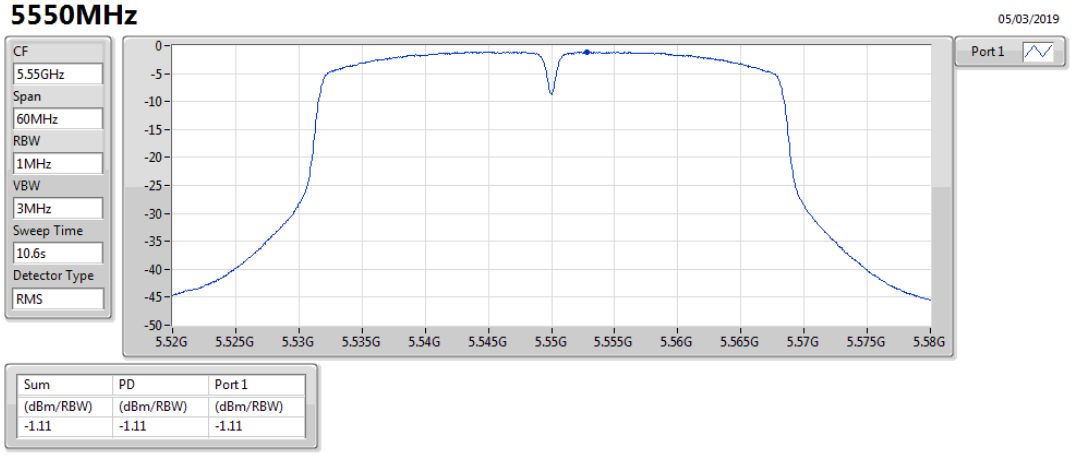
5510MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.88	-0.88	-0.88

802.11ac VHT40_Nss1,(MCS0)_1TX PSD

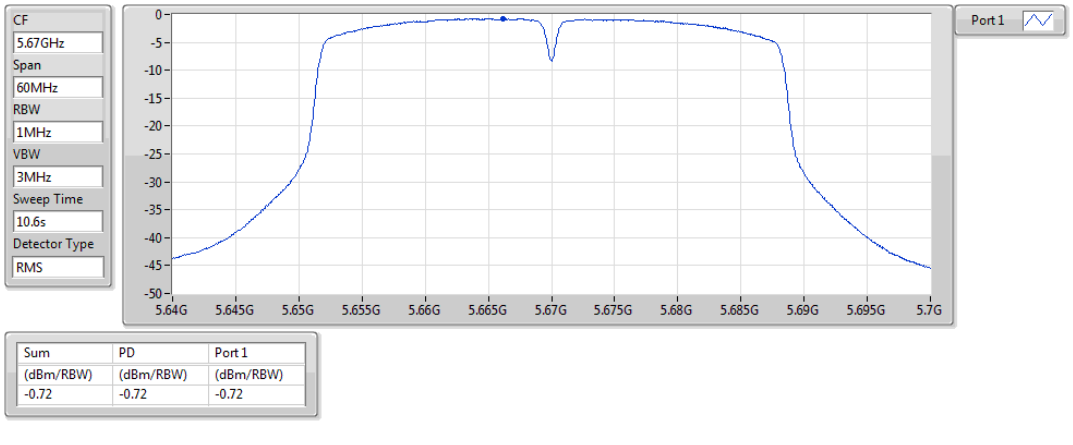
5550MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.11	-1.11	-1.11

802.11ac VHT40_Nss1,(MCS0)_1TX PSD

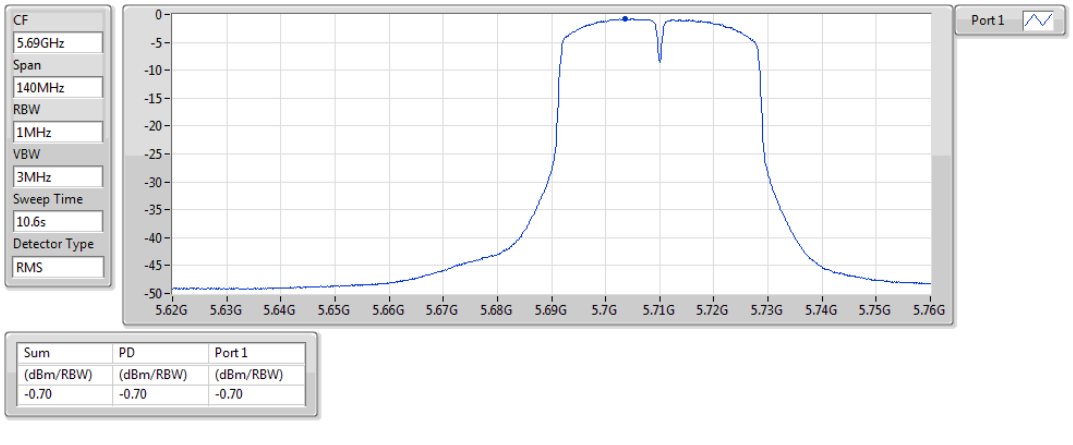
5670MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.72	-0.72	-0.72

802.11ac VHT40_Nss1,(MCS0)_1TX PSD

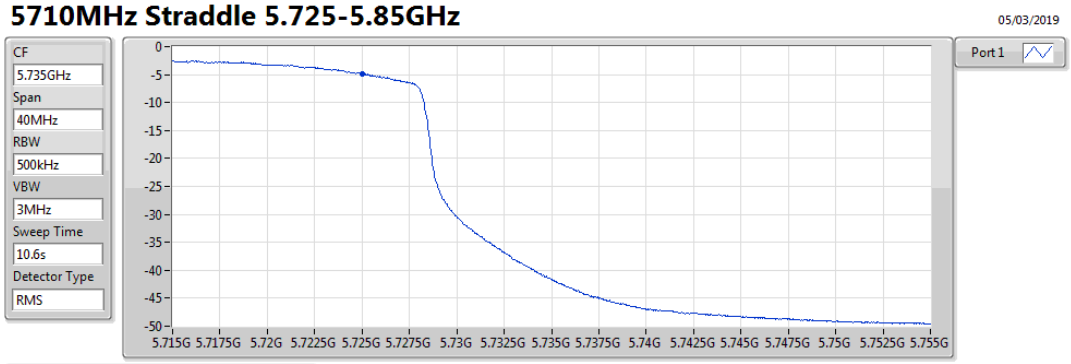
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.70	-0.70	-0.70

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

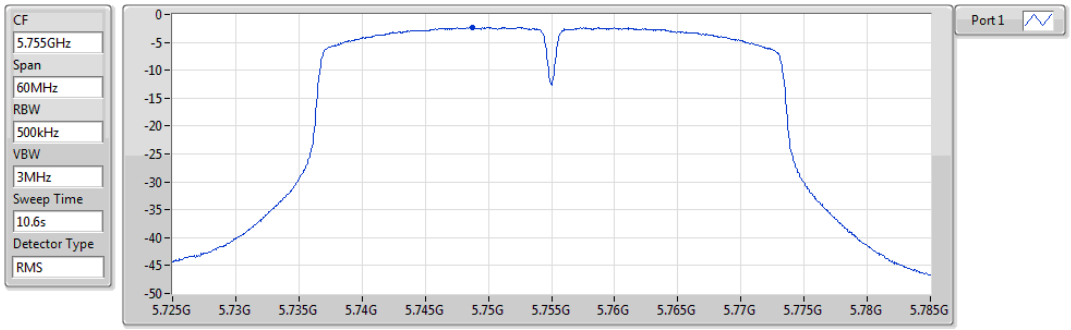
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.79	-4.79	-4.79

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

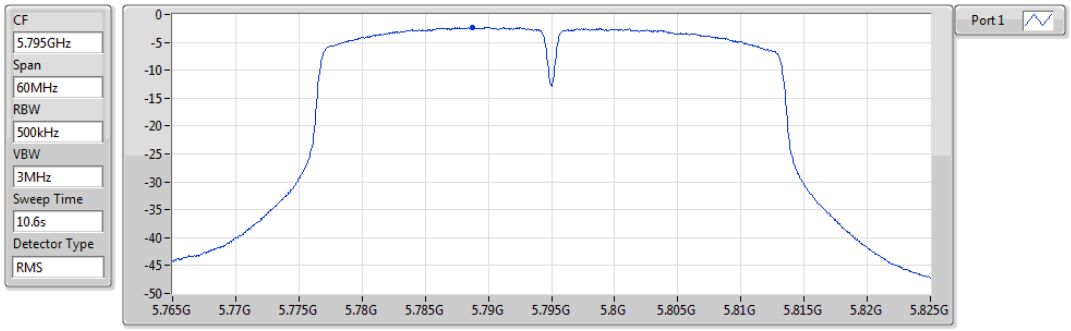
5755MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.29	-2.29	-2.29

802.11ac VHT40_Nss1,(MCS0)_1TX **PSD**

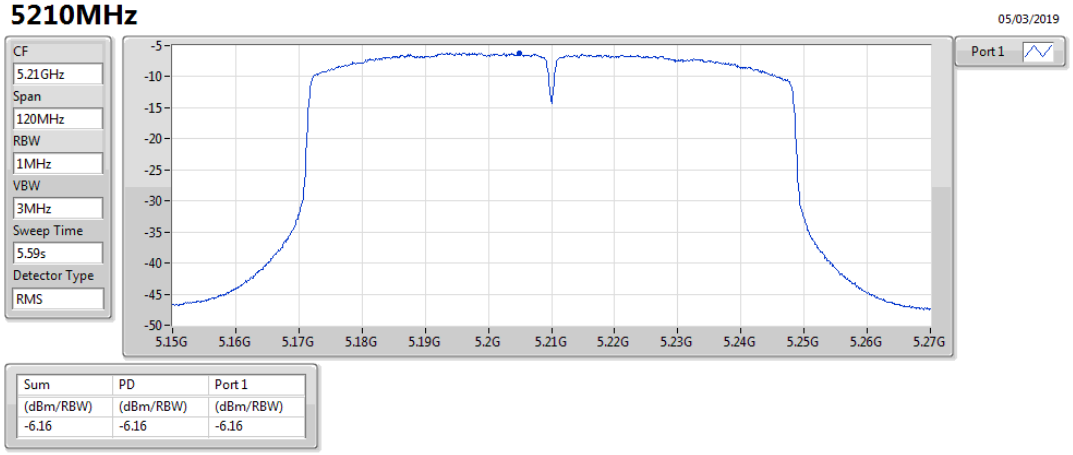
5795MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.31	-2.31	-2.31

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

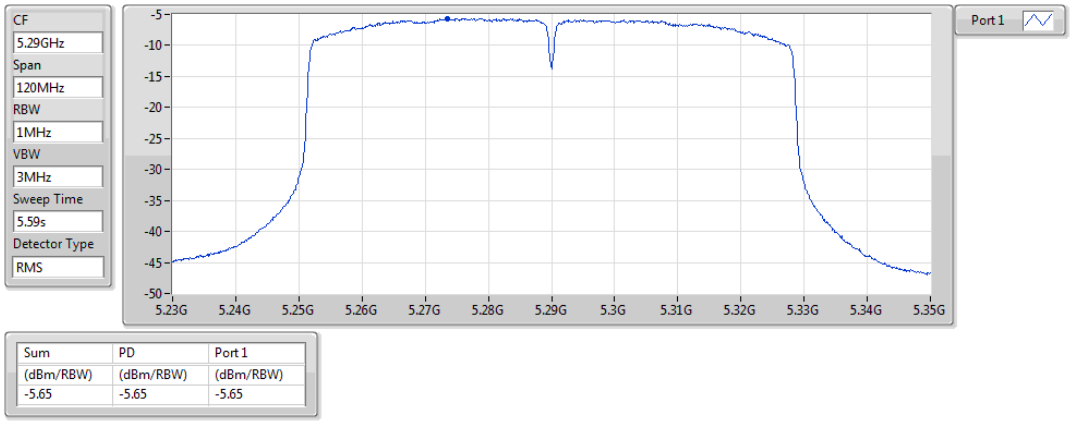
5210MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.16	-6.16	-6.16

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

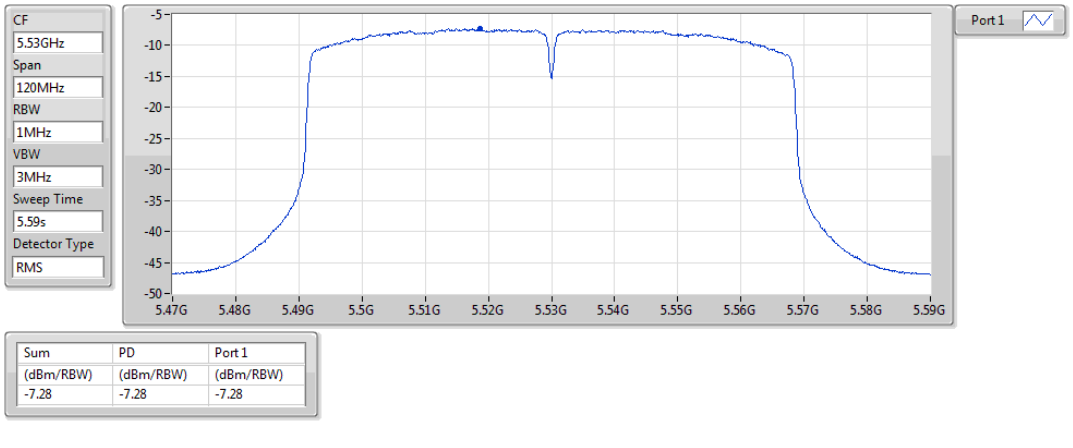
5290MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.65	-5.65	-5.65

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

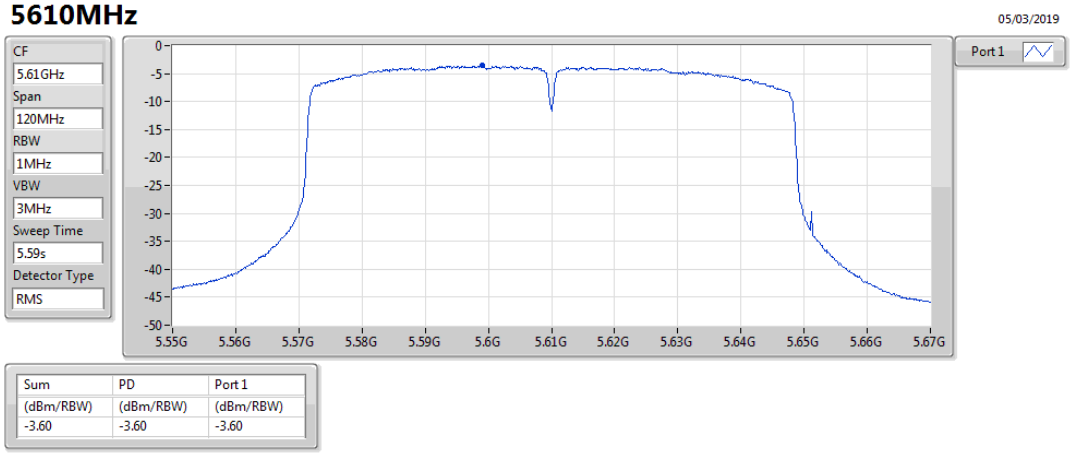
5530MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.28	-7.28	-7.28

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

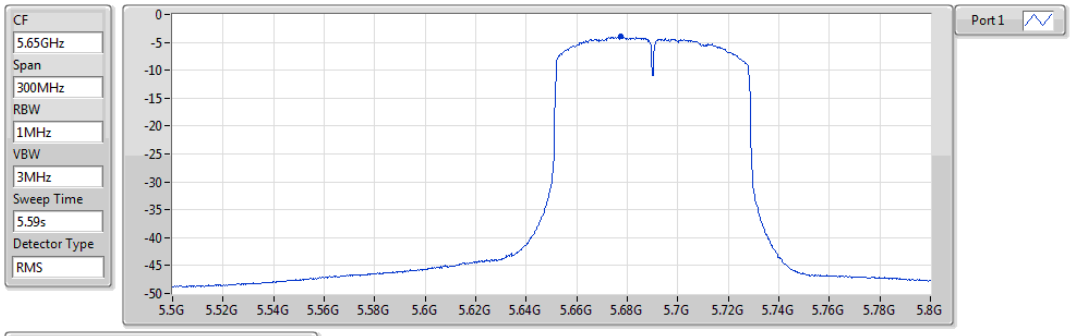
5610MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.60	-3.60	-3.60

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

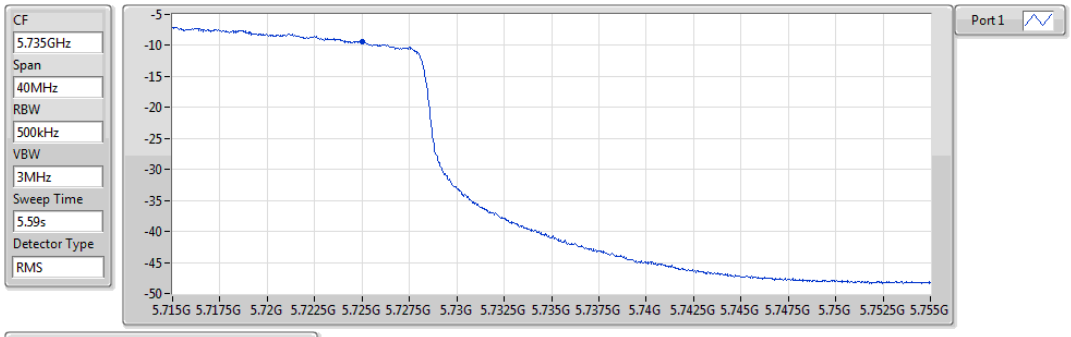
5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.96	-3.96	-3.96

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

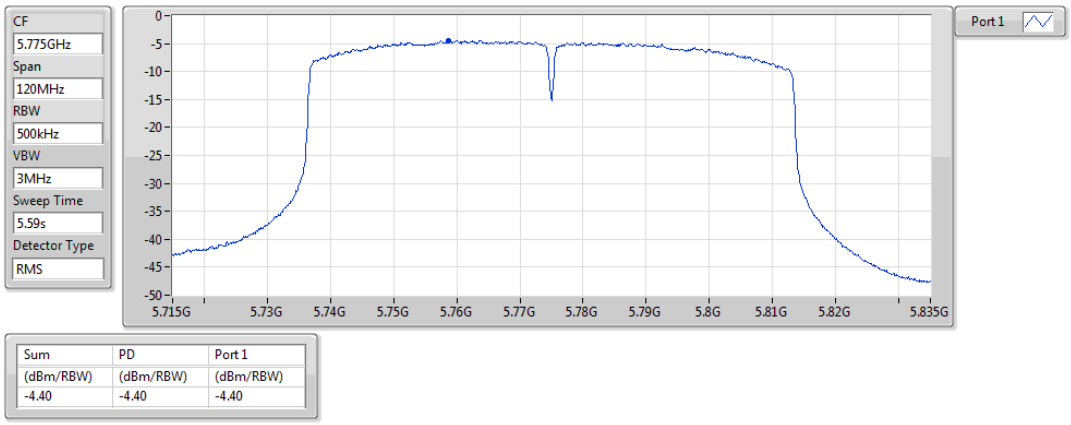
5690MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.35	-9.35	-9.35

802.11ac VHT80_Nss1,(MCS0)_1TX **PSD**

5775MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.40	-4.40	-4.40

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)_1TX	Pass	PK	98.88M	32.67	43.50	-10.83	-9.51	3	Horizontal	360	3.00	-

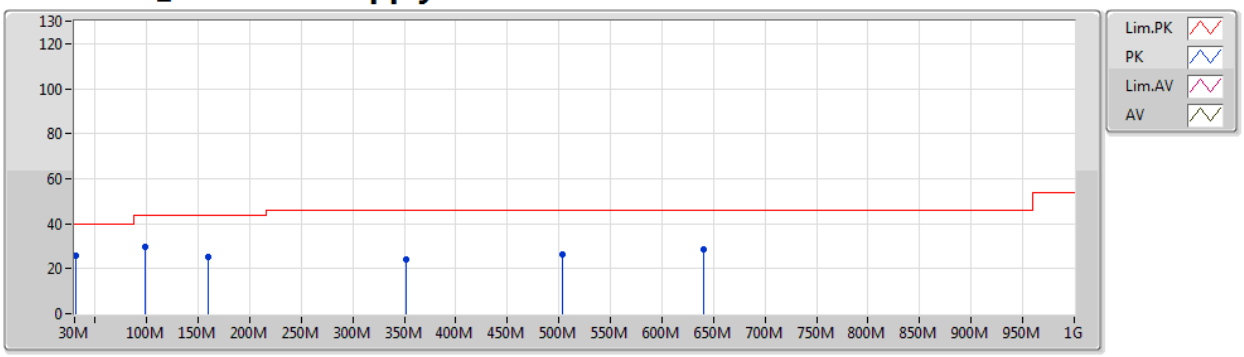
Result

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)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	31.41M	25.87	40.00	-14.13	-3.62	3	Vertical	0	3.00	-
5775MHz	Pass	PK	98.88M	29.50	43.50	-14.00	-9.51	3	Vertical	0	3.00	-
5775MHz	Pass	PK	159.33M	25.45	43.50	-18.05	-9.85	3	Vertical	0	3.00	-
5775MHz	Pass	PK	351.93M	23.86	46.00	-22.14	-4.45	3	Vertical	0	3.00	-
5775MHz	Pass	PK	503.75M	26.46	46.00	-19.54	-1.60	3	Vertical	0	3.00	-
5775MHz	Pass	PK	640.12M	28.49	46.00	-17.51	0.42	3	Vertical	0	3.00	-
5775MHz	Pass	PK	79.2M	22.05	40.00	-17.95	-13.65	3	Horizontal	360	3.00	-
5775MHz	Pass	PK	98.88M	32.67	43.50	-10.83	-9.51	3	Horizontal	360	3.00	-
5775MHz	Pass	PK	159.33M	23.08	43.50	-20.42	-9.85	3	Horizontal	360	3.00	-
5775MHz	Pass	PK	357.55M	23.28	46.00	-22.72	-4.27	3	Horizontal	360	3.00	-
5775MHz	Pass	PK	436.28M	25.73	46.00	-20.27	-2.34	3	Horizontal	360	3.00	-
5775MHz	Pass	PK	711.81M	29.57	46.00	-16.43	0.51	3	Horizontal	360	3.00	-

802.11ac VHT80_Nss1,(MCS0)_1TX

05/03/2019

5775MHz_DC Power Supply

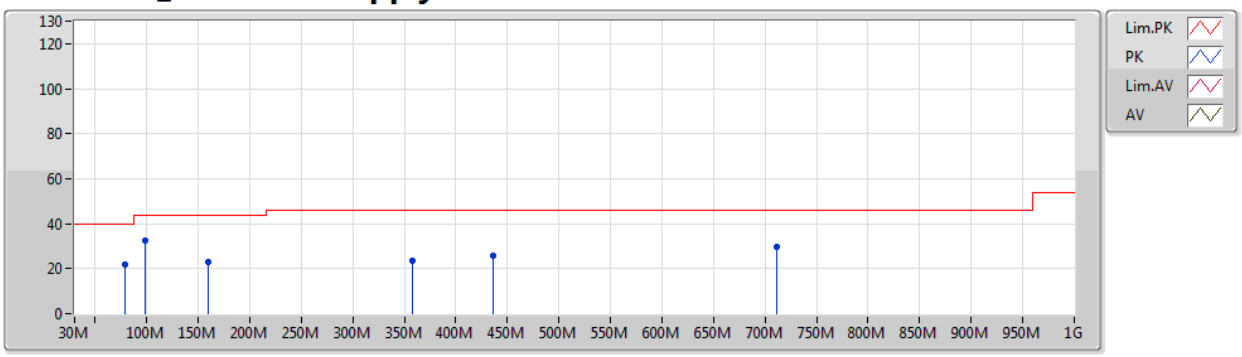


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	31.41M	25.87	40.00	-14.13	-3.62	3	Vertical	0	3.00	-
PK	98.88M	29.50	43.50	-14.00	-9.51	3	Vertical	0	3.00	-
PK	159.33M	25.45	43.50	-18.05	-9.85	3	Vertical	0	3.00	-
PK	351.93M	23.86	46.00	-22.14	-4.45	3	Vertical	0	3.00	-
PK	503.75M	26.46	46.00	-19.54	-1.60	3	Vertical	0	3.00	-
PK	640.12M	28.49	46.00	-17.51	0.42	3	Vertical	0	3.00	-

802.11ac VHT80_Nss1,(MCS0)_1TX

05/03/2019

5775MHz_DC Power Supply



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	79.2M	22.05	40.00	-17.95	-13.65	3	Horizontal	360	3.00	-
PK	98.88M	32.67	43.50	-10.83	-9.51	3	Horizontal	360	3.00	-
PK	159.33M	23.08	43.50	-20.42	-9.85	3	Horizontal	360	3.00	-
PK	357.55M	23.28	46.00	-22.72	-4.27	3	Horizontal	360	3.00	-
PK	436.28M	25.73	46.00	-20.27	-2.34	3	Horizontal	360	3.00	-
PK	711.81M	29.57	46.00	-16.43	0.51	3	Horizontal	360	3.00	-

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)_1TX	Pass	AV	5.1498G	51.99	54.00	-2.01	9.09	3	Vertical	194	1.97	-
802.11ac VHT20_Nss1,(MCS0)_1TX	Pass	AV	5.149G	51.99	54.00	-2.01	9.09	3	Vertical	194	2.00	-
802.11ac VHT40_Nss1,(MCS0)_1TX	Pass	AV	5.15G	52.38	54.00	-1.62	9.09	3	Vertical	194	1.76	-
802.11ac VHT80_Nss1,(MCS0)_1TX	Pass	AV	5.15G	52.36	54.00	-1.64	9.09	3	Vertical	198	1.50	-
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	AV	5.3506G	52.26	54.00	-1.74	9.51	3	Vertical	197	1.49	-
802.11ac VHT20_Nss1,(MCS0)_1TX	Pass	AV	5.3504G	52.26	54.00	-1.74	9.51	3	Vertical	197	1.50	-
802.11ac VHT40_Nss1,(MCS0)_1TX	Pass	AV	5.3504G	52.44	54.00	-1.56	9.51	3	Vertical	193	1.91	-
802.11ac VHT80_Nss1,(MCS0)_1TX	Pass	AV	5.353G	52.46	54.00	-1.54	9.52	3	Vertical	197	1.50	-
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	PK	5.4698G	66.62	68.20	-1.58	9.78	3	Vertical	5	1.50	-
802.11ac VHT20_Nss1,(MCS0)_1TX	Pass	PK	5.4698G	65.81	68.20	-2.39	9.78	3	Vertical	180	1.78	-
802.11ac VHT40_Nss1,(MCS0)_1TX	Pass	AV	5.46G	52.12	54.00	-1.88	9.76	3	Vertical	180	1.39	-
802.11ac VHT80_Nss1,(MCS0)_1TX	Pass	AV	5.418G	52.35	54.00	-1.65	9.67	3	Vertical	181	1.50	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	PK	5.6382G	64.98	68.20	-3.22	10.02	3	Vertical	180	1.50	-
802.11ac VHT20_Nss1,(MCS0)_1TX	Pass	PK	5.9538G	63.42	68.20	-4.78	10.48	3	Vertical	180	1.50	-
802.11ac VHT40_Nss1,(MCS0)_1TX	Pass	PK	5.6258G	63.38	68.20	-4.82	10.00	3	Vertical	150	1.50	-
802.11ac VHT80_Nss1,(MCS0)_1TX	Pass	PK	5.6406G	66.24	68.20	-1.96	10.02	3	Vertical	180	1.49	-

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)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1498G	51.99	54.00	-2.01	9.09	3	Vertical	194	1.97	-
5180MHz	Pass	AV	5.1786G	103.45	Inf	-Inf	9.12	3	Vertical	194	1.97	-
5180MHz	Pass	PK	5.15G	62.61	74.00	-11.39	9.09	3	Vertical	194	1.97	-
5180MHz	Pass	PK	5.178G	112.23	Inf	-Inf	9.12	3	Vertical	194	1.97	-
5180MHz	Pass	PK	10.36352G	54.84	68.20	-13.36	14.27	3	Vertical	24	2.99	-
5180MHz	Pass	PK	10.3549G	54.06	68.20	-14.14	14.25	3	Horizontal	349	1.84	-
5200MHz	Pass	AV	5.1492G	50.99	54.00	-3.01	9.09	3	Vertical	192	1.95	-
5200MHz	Pass	AV	5.1984G	106.59	Inf	-Inf	9.14	3	Vertical	192	1.95	-
5200MHz	Pass	PK	5.1108G	61.76	74.00	-12.24	9.05	3	Vertical	192	1.95	-
5200MHz	Pass	PK	5.1956G	114.87	Inf	-Inf	9.13	3	Vertical	192	1.95	-
5200MHz	Pass	PK	10.40136G	54.49	68.20	-13.71	14.30	3	Vertical	347	1.50	-
5200MHz	Pass	PK	10.39828G	54.10	68.20	-14.10	14.30	3	Horizontal	125	1.59	-
5240MHz	Pass	AV	5.15G	51.00	54.00	-3.00	9.09	3	Vertical	197	1.50	-
5240MHz	Pass	AV	5.2424G	107.20	Inf	-Inf	9.24	3	Vertical	197	1.50	-
5240MHz	Pass	AV	5.3876G	51.07	54.00	-2.93	9.62	3	Vertical	197	1.50	-
5240MHz	Pass	PK	5.147G	61.59	74.00	-12.41	9.09	3	Vertical	197	1.50	-
5240MHz	Pass	PK	5.2388G	115.59	Inf	-Inf	9.23	3	Vertical	197	1.50	-
5240MHz	Pass	PK	5.3864G	61.99	74.00	-12.01	9.60	3	Vertical	197	1.50	-
5240MHz	Pass	PK	10.46998G	54.35	68.20	-13.85	14.35	3	Vertical	300	2.49	-
5240MHz	Pass	PK	10.4893G	53.95	68.20	-14.25	14.37	3	Horizontal	110	1.50	-
5260MHz	Pass	AV	5.1472G	50.77	54.00	-3.23	9.09	3	Vertical	194	1.50	-
5260MHz	Pass	AV	5.2582G	106.54	Inf	-Inf	9.29	3	Vertical	194	1.50	-
5260MHz	Pass	AV	5.3584G	51.13	54.00	-2.87	9.53	3	Vertical	194	1.50	-
5260MHz	Pass	PK	5.1328G	61.44	74.00	-12.56	9.08	3	Vertical	194	1.50	-
5260MHz	Pass	PK	5.2582G	115.06	Inf	-Inf	9.29	3	Vertical	194	1.50	-
5260MHz	Pass	PK	5.3854G	62.23	74.00	-11.77	9.60	3	Vertical	194	1.50	-
5260MHz	Pass	PK	10.52294G	53.95	68.20	-14.25	14.40	3	Vertical	121	1.59	-
5260MHz	Pass	PK	10.52288G	56.42	68.20	-11.78	14.40	3	Horizontal	187	1.66	-
5300MHz	Pass	AV	5.2988G	105.22	Inf	-Inf	9.38	3	Vertical	198	1.50	-
5300MHz	Pass	AV	5.3532G	50.88	54.00	-3.12	9.52	3	Vertical	198	1.50	-
5300MHz	Pass	PK	5.2984G	114.52	Inf	-Inf	9.38	3	Vertical	198	1.50	-
5300MHz	Pass	PK	5.352G	61.98	74.00	-12.02	9.51	3	Vertical	198	1.50	-
5300MHz	Pass	AV	15.90324G	46.69	54.00	-7.31	15.44	3	Vertical	149	1.50	-
5300MHz	Pass	PK	15.88644G	58.33	74.00	-15.67	15.45	3	Vertical	149	1.50	-
5300MHz	Pass	AV	15.88716G	46.63	54.00	-7.37	15.45	3	Horizontal	223	1.47	-
5300MHz	Pass	PK	15.91212G	58.24	74.00	-15.76	15.44	3	Horizontal	223	1.47	-
5320MHz	Pass	AV	5.323G	104.03	Inf	-Inf	9.44	3	Vertical	197	1.49	-
5320MHz	Pass	AV	5.3506G	52.26	54.00	-1.74	9.51	3	Vertical	197	1.49	-
5320MHz	Pass	PK	5.3186G	113.24	Inf	-Inf	9.43	3	Vertical	197	1.49	-
5320MHz	Pass	PK	5.35G	64.28	74.00	-9.72	9.51	3	Vertical	197	1.49	-
5320MHz	Pass	AV	10.63988G	42.48	54.00	-11.52	14.49	3	Vertical	165	1.61	-
5320MHz	Pass	PK	10.64192G	54.04	74.00	-19.96	14.50	3	Vertical	165	1.61	-
5320MHz	Pass	AV	10.64462G	42.15	54.00	-11.85	14.51	3	Horizontal	175	1.56	-
5320MHz	Pass	PK	10.64132G	54.11	74.00	-19.89	14.49	3	Horizontal	175	1.56	-
5500MHz	Pass	AV	5.4584G	51.15	54.00	-2.85	9.76	3	Vertical	5	1.50	-
5500MHz	Pass	AV	5.4978G	105.14	Inf	-Inf	9.84	3	Vertical	5	1.50	-
5500MHz	Pass	PK	5.4588G	62.56	74.00	-11.44	9.76	3	Vertical	5	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5500MHz	Pass	PK	5.4698G	66.62	68.20	-1.58	9.78	3	Vertical	5	1.50	-
5500MHz	Pass	PK	5.4982G	114.19	Inf	-Inf	9.84	3	Vertical	5	1.50	-
5500MHz	Pass	AV	11.00912G	43.17	54.00	-10.83	14.83	3	Vertical	175	1.92	-
5500MHz	Pass	PK	11.006G	55.28	74.00	-18.72	14.82	3	Vertical	175	1.92	-
5500MHz	Pass	AV	10.9946G	43.24	54.00	-10.76	14.81	3	Horizontal	150	2.59	-
5500MHz	Pass	PK	10.99178G	55.62	74.00	-18.38	14.81	3	Horizontal	150	2.59	-
5580MHz	Pass	AV	5.4582G	51.15	54.00	-2.85	9.76	3	Vertical	180	1.50	-
5580MHz	Pass	AV	5.5782G	107.03	Inf	-Inf	9.93	3	Vertical	180	1.50	-
5580MHz	Pass	PK	5.4396G	61.80	74.00	-12.20	9.72	3	Vertical	180	1.50	-
5580MHz	Pass	PK	5.4648G	61.59	68.20	-6.61	9.78	3	Vertical	180	1.50	-
5580MHz	Pass	PK	5.5758G	115.86	Inf	-Inf	9.93	3	Vertical	180	1.50	-
5580MHz	Pass	PK	5.7276G	61.87	68.20	-6.33	10.15	3	Vertical	180	1.50	-
5580MHz	Pass	AV	11.16192G	43.21	54.00	-10.79	15.09	3	Vertical	357	2.99	-
5580MHz	Pass	PK	11.15514G	55.37	74.00	-18.63	15.08	3	Vertical	357	2.99	-
5580MHz	Pass	AV	11.16084G	43.31	54.00	-10.69	15.09	3	Horizontal	200	1.50	-
5580MHz	Pass	PK	11.15172G	55.00	74.00	-19.00	15.07	3	Horizontal	200	1.50	-
5700MHz	Pass	AV	5.6984G	104.40	Inf	-Inf	10.11	3	Vertical	179	1.50	-
5700MHz	Pass	PK	5.698G	113.21	Inf	-Inf	10.11	3	Vertical	179	1.50	-
5700MHz	Pass	PK	5.7252G	66.60	68.20	-1.60	10.15	3	Vertical	179	1.50	-
5700MHz	Pass	AV	11.39214G	43.63	54.00	-10.37	15.49	3	Vertical	282	1.02	-
5700MHz	Pass	PK	11.39604G	55.50	74.00	-18.50	15.50	3	Vertical	282	1.02	-
5700MHz	Pass	AV	11.40996G	43.64	54.00	-10.36	15.52	3	Horizontal	213	1.78	-
5700MHz	Pass	PK	11.40852G	56.34	74.00	-17.66	15.52	3	Horizontal	213	1.78	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4476G	50.53	54.00	-3.47	9.73	3	Vertical	179	1.48	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7188G	106.42	Inf	-Inf	10.14	3	Vertical	179	1.48	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4512G	61.98	74.00	-12.02	9.75	3	Vertical	179	1.48	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4656G	61.35	68.20	-6.85	9.78	3	Vertical	179	1.48	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7236G	115.07	Inf	-Inf	10.15	3	Vertical	179	1.48	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9252G	63.12	68.20	-5.08	10.44	3	Vertical	179	1.48	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.42872G	43.44	54.00	-10.56	15.55	3	Vertical	291	1.53	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.42818G	55.77	74.00	-18.23	15.55	3	Vertical	291	1.53	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43064G	43.64	54.00	-10.36	15.55	3	Horizontal	59	1.71	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44048G	55.73	74.00	-18.27	15.56	3	Horizontal	59	1.71	-
5745MHz	Pass	AV	5.7438G	105.63	Inf	-Inf	10.18	3	Vertical	180	1.50	-
5745MHz	Pass	PK	5.6382G	64.98	68.20	-3.22	10.02	3	Vertical	180	1.50	-
5745MHz	Pass	PK	5.7486G	113.96	Inf	-Inf	10.19	3	Vertical	180	1.50	-
5745MHz	Pass	PK	5.925G	62.50	68.20	-5.70	10.44	3	Vertical	180	1.50	-
5745MHz	Pass	AV	11.49504G	43.64	54.00	-10.36	15.67	3	Vertical	289	2.39	-
5745MHz	Pass	PK	11.49132G	55.82	74.00	-18.18	15.65	3	Vertical	289	2.39	-
5745MHz	Pass	AV	11.48538G	43.61	54.00	-10.39	15.65	3	Horizontal	125	2.35	-
5745MHz	Pass	PK	11.49396G	55.39	74.00	-18.61	15.66	3	Horizontal	125	2.35	-
5785MHz	Pass	AV	5.7826G	105.81	Inf	-Inf	10.24	3	Vertical	179	1.89	-
5785MHz	Pass	PK	5.623G	63.49	68.20	-4.71	9.99	3	Vertical	179	1.89	-
5785MHz	Pass	PK	5.7838G	114.61	Inf	-Inf	10.24	3	Vertical	179	1.89	-
5785MHz	Pass	PK	5.9506G	63.95	68.20	-4.25	10.47	3	Vertical	179	1.89	-
5785MHz	Pass	AV	11.58368G	43.38	54.00	-10.62	15.85	3	Vertical	63	2.27	-
5785MHz	Pass	PK	11.58182G	54.97	74.00	-19.03	15.84	3	Vertical	63	2.27	-
5785MHz	Pass	AV	11.5805G	43.39	54.00	-10.61	15.84	3	Horizontal	142	1.92	-
5785MHz	Pass	PK	11.57996G	55.16	74.00	-18.84	15.84	3	Horizontal	142	1.92	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	AV	5.8238G	105.17	Inf	-Inf	10.29	3	Vertical	180	1.52	-
5825MHz	Pass	PK	5.5718G	63.37	68.20	-4.83	9.93	3	Vertical	180	1.52	-
5825MHz	Pass	PK	5.8262G	114.27	Inf	-Inf	10.29	3	Vertical	180	1.52	-
5825MHz	Pass	PK	5.9258G	63.11	68.20	-5.09	10.44	3	Vertical	180	1.52	-
5825MHz	Pass	AV	11.6608G	43.71	54.00	-10.29	16.02	3	Vertical	59	1.72	-
5825MHz	Pass	PK	11.64652G	55.41	74.00	-18.59	15.99	3	Vertical	59	1.72	-
5825MHz	Pass	AV	11.66362G	43.72	54.00	-10.28	16.02	3	Horizontal	4	2.21	-
5825MHz	Pass	PK	11.66254G	55.64	74.00	-18.36	16.02	3	Horizontal	4	2.21	-
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149G	51.99	54.00	-2.01	9.09	3	Vertical	194	2.00	-
5180MHz	Pass	AV	5.1818G	103.35	Inf	-Inf	9.13	3	Vertical	194	2.00	-
5180MHz	Pass	PK	5.15G	62.77	74.00	-11.23	9.09	3	Vertical	194	2.00	-
5180MHz	Pass	PK	5.183G	112.52	Inf	-Inf	9.13	3	Vertical	194	2.00	-
5180MHz	Pass	PK	10.3564G	54.10	68.20	-14.10	14.25	3	Vertical	32	1.66	-
5180MHz	Pass	PK	10.3651G	54.61	68.20	-13.59	14.27	3	Horizontal	118	2.49	-
5200MHz	Pass	AV	5.1488G	50.99	54.00	-3.01	9.09	3	Vertical	194	1.76	-
5200MHz	Pass	AV	5.2012G	106.40	Inf	-Inf	9.14	3	Vertical	194	1.76	-
5200MHz	Pass	PK	5.1416G	61.31	74.00	-12.69	9.08	3	Vertical	194	1.76	-
5200MHz	Pass	PK	5.1992G	114.61	Inf	-Inf	9.14	3	Vertical	194	1.76	-
5200MHz	Pass	PK	10.40042G	54.12	68.20	-14.08	14.30	3	Vertical	47	1.99	-
5200MHz	Pass	PK	10.39292G	53.89	68.20	-14.31	14.29	3	Horizontal	253	1.36	-
5240MHz	Pass	AV	5.1386G	51.14	54.00	-2.86	9.08	3	Vertical	197	1.50	-
5240MHz	Pass	AV	5.2418G	106.33	Inf	-Inf	9.24	3	Vertical	197	1.50	-
5240MHz	Pass	AV	5.354G	50.89	54.00	-3.11	9.52	3	Vertical	197	1.50	-
5240MHz	Pass	PK	5.1194G	61.95	74.00	-12.05	9.05	3	Vertical	197	1.50	-
5240MHz	Pass	PK	5.2442G	114.28	Inf	-Inf	9.24	3	Vertical	197	1.50	-
5240MHz	Pass	PK	5.351G	61.26	74.00	-12.74	9.51	3	Vertical	197	1.50	-
5240MHz	Pass	PK	10.48138G	54.22	68.20	-13.98	14.37	3	Vertical	44	1.21	-
5240MHz	Pass	PK	10.47886G	53.99	68.20	-14.21	14.36	3	Horizontal	10	1.64	-
5260MHz	Pass	AV	5.146G	50.76	54.00	-3.24	9.09	3	Vertical	198	1.73	-
5260MHz	Pass	AV	5.2576G	106.81	Inf	-Inf	9.29	3	Vertical	198	1.73	-
5260MHz	Pass	AV	5.3512G	51.29	54.00	-2.71	9.51	3	Vertical	198	1.73	-
5260MHz	Pass	PK	5.1316G	60.42	74.00	-13.58	9.08	3	Vertical	198	1.73	-
5260MHz	Pass	PK	5.2618G	114.94	Inf	-Inf	9.29	3	Vertical	198	1.73	-
5260MHz	Pass	PK	5.3764G	62.47	74.00	-11.53	9.58	3	Vertical	198	1.73	-
5260MHz	Pass	PK	10.52444G	59.84	68.20	-8.36	14.40	3	Vertical	218	1.56	-
5260MHz	Pass	PK	10.52438G	59.79	68.20	-8.41	14.40	3	Horizontal	134	2.47	-
5300MHz	Pass	AV	5.2972G	105.29	Inf	-Inf	9.38	3	Vertical	198	1.54	-
5300MHz	Pass	AV	5.3648G	50.96	54.00	-3.04	9.55	3	Vertical	198	1.54	-
5300MHz	Pass	PK	5.2976G	114.00	Inf	-Inf	9.38	3	Vertical	198	1.54	-
5300MHz	Pass	PK	5.3928G	62.17	74.00	-11.83	9.62	3	Vertical	198	1.54	-
5300MHz	Pass	AV	10.60852G	42.34	54.00	-11.66	14.48	3	Vertical	351	1.19	-
5300MHz	Pass	PK	10.60852G	54.00	74.00	-20.00	14.48	3	Vertical	351	1.19	-
5300MHz	Pass	AV	10.60804G	42.25	54.00	-11.75	14.47	3	Horizontal	35	1.60	-
5300MHz	Pass	PK	10.60804G	54.13	74.00	-19.87	14.47	3	Horizontal	35	1.60	-
5320MHz	Pass	AV	5.3222G	103.39	Inf	-Inf	9.44	3	Vertical	197	1.50	-
5320MHz	Pass	AV	5.3504G	52.26	54.00	-1.74	9.51	3	Vertical	197	1.50	-
5320MHz	Pass	PK	5.3226G	111.75	Inf	-Inf	9.44	3	Vertical	197	1.50	-
5320MHz	Pass	PK	5.3508G	62.64	74.00	-11.36	9.51	3	Vertical	197	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5320MHz	Pass	AV	10.64966G	42.11	54.00	-11.89	14.51	3	Vertical	97	1.13	-
5320MHz	Pass	PK	10.63988G	53.51	74.00	-20.49	14.49	3	Vertical	97	1.13	-
5320MHz	Pass	AV	10.62656G	42.06	54.00	-11.94	14.50	3	Horizontal	225	1.22	-
5320MHz	Pass	PK	10.628G	53.53	74.00	-20.47	14.50	3	Horizontal	225	1.22	-
5500MHz	Pass	AV	5.4586G	51.36	54.00	-2.64	9.76	3	Vertical	180	1.78	-
5500MHz	Pass	AV	5.4984G	105.27	Inf	-Inf	9.84	3	Vertical	180	1.78	-
5500MHz	Pass	PK	5.4698G	65.81	68.20	-2.39	9.78	3	Vertical	180	1.78	-
5500MHz	Pass	PK	5.5032G	113.73	Inf	-Inf	9.84	3	Vertical	180	1.78	-
5500MHz	Pass	AV	10.99538G	43.14	54.00	-10.86	14.81	3	Vertical	41	1.45	-
5500MHz	Pass	PK	11.00024G	55.82	74.00	-18.18	14.81	3	Vertical	41	1.45	-
5500MHz	Pass	AV	11.01212G	43.18	54.00	-10.82	14.83	3	Horizontal	206	2.11	-
5500MHz	Pass	PK	10.985G	54.72	74.00	-19.28	14.79	3	Horizontal	206	2.11	-
5580MHz	Pass	AV	5.4576G	50.95	54.00	-3.05	9.76	3	Vertical	180	1.49	-
5580MHz	Pass	AV	5.577G	106.20	Inf	-Inf	9.93	3	Vertical	180	1.49	-
5580MHz	Pass	PK	5.4648G	60.78	68.20	-7.42	9.78	3	Vertical	180	1.49	-
5580MHz	Pass	PK	5.583G	115.87	Inf	-Inf	9.95	3	Vertical	180	1.49	-
5580MHz	Pass	PK	5.7288G	61.95	68.20	-6.25	10.16	3	Vertical	180	1.49	-
5580MHz	Pass	AV	11.16114G	43.32	54.00	-10.68	15.09	3	Vertical	258	2.39	-
5580MHz	Pass	PK	11.15142G	54.41	74.00	-19.59	15.07	3	Vertical	258	2.39	-
5580MHz	Pass	AV	11.1738G	43.21	54.00	-10.79	15.10	3	Horizontal	226	1.44	-
5580MHz	Pass	PK	11.15232G	54.74	74.00	-19.26	15.07	3	Horizontal	226	1.44	-
5700MHz	Pass	AV	5.6976G	102.73	Inf	-Inf	10.11	3	Vertical	180	1.50	-
5700MHz	Pass	PK	5.6964G	111.72	Inf	-Inf	10.11	3	Vertical	180	1.50	-
5700MHz	Pass	PK	5.7252G	65.72	68.20	-2.48	10.15	3	Vertical	180	1.50	-
5700MHz	Pass	AV	11.40054G	43.69	54.00	-10.31	15.50	3	Vertical	123	2.35	-
5700MHz	Pass	PK	11.39892G	55.72	74.00	-18.28	15.50	3	Vertical	123	2.35	-
5700MHz	Pass	AV	11.39814G	43.68	54.00	-10.32	15.50	3	Horizontal	78	1.21	-
5700MHz	Pass	PK	11.40498G	55.16	74.00	-18.84	15.50	3	Horizontal	78	1.21	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4284G	50.64	54.00	-3.36	9.69	3	Vertical	180	1.58	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7212G	105.96	Inf	-Inf	10.15	3	Vertical	180	1.58	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4608G	59.79	68.20	-8.41	9.76	3	Vertical	180	1.58	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7176G	114.23	Inf	-Inf	10.13	3	Vertical	180	1.58	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8796G	62.07	68.20	-6.13	10.38	3	Vertical	180	1.58	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.4262G	43.67	54.00	-10.33	15.55	3	Vertical	12	1.14	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43742G	55.25	74.00	-18.75	15.56	3	Vertical	12	1.14	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.44558G	43.68	54.00	-10.32	15.58	3	Horizontal	343	2.22	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.45068G	55.91	74.00	-18.09	15.58	3	Horizontal	343	2.22	-
5745MHz	Pass	AV	5.7426G	105.34	Inf	-Inf	10.17	3	Vertical	180	1.50	-
5745MHz	Pass	PK	5.6478G	63.08	68.20	-5.12	10.04	3	Vertical	180	1.50	-
5745MHz	Pass	PK	5.7426G	113.53	Inf	-Inf	10.17	3	Vertical	180	1.50	-
5745MHz	Pass	PK	5.9538G	63.42	68.20	-4.78	10.48	3	Vertical	180	1.50	-
5745MHz	Pass	AV	11.48706G	43.51	54.00	-10.49	15.65	3	Vertical	326	2.38	-
5745MHz	Pass	PK	11.47914G	55.37	74.00	-18.63	15.64	3	Vertical	326	2.38	-
5745MHz	Pass	AV	11.49348G	43.53	54.00	-10.47	15.66	3	Horizontal	193	1.36	-
5745MHz	Pass	PK	11.47962G	54.65	74.00	-19.35	15.64	3	Horizontal	193	1.36	-
5785MHz	Pass	AV	5.7826G	105.60	Inf	-Inf	10.24	3	Vertical	179	1.78	-
5785MHz	Pass	PK	5.5918G	62.00	68.20	-6.20	9.94	3	Vertical	179	1.78	-
5785MHz	Pass	PK	5.7826G	113.91	Inf	-Inf	10.24	3	Vertical	179	1.78	-
5785MHz	Pass	PK	5.9842G	62.53	68.20	-5.67	10.52	3	Vertical	179	1.78	-

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	11.58404G	43.38	54.00	-10.62	15.85	3	Vertical	103	1.93	-
5785MHz	Pass	PK	11.55992G	54.58	74.00	-19.42	15.80	3	Vertical	103	1.93	-
5785MHz	Pass	AV	11.57504G	43.43	54.00	-10.57	15.84	3	Horizontal	73	1.98	-
5785MHz	Pass	PK	11.56682G	54.89	74.00	-19.11	15.81	3	Horizontal	73	1.98	-
5825MHz	Pass	AV	5.8274G	104.00	Inf	-Inf	10.30	3	Vertical	179	1.49	-
5825MHz	Pass	PK	5.6006G	62.24	68.20	-5.96	9.96	3	Vertical	179	1.49	-
5825MHz	Pass	PK	5.8274G	111.93	Inf	-Inf	10.30	3	Vertical	179	1.49	-
5825MHz	Pass	PK	5.9654G	62.61	68.20	-5.59	10.50	3	Vertical	179	1.49	-
5825MHz	Pass	AV	11.63812G	43.68	54.00	-10.32	15.96	3	Vertical	142	1.77	-
5825MHz	Pass	PK	11.65948G	55.48	74.00	-18.52	16.01	3	Vertical	142	1.77	-
5825MHz	Pass	AV	11.64412G	43.58	54.00	-10.42	15.98	3	Horizontal	236	1.22	-
5825MHz	Pass	PK	11.665G	55.32	74.00	-18.68	16.02	3	Horizontal	236	1.22	-
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.15G	52.38	54.00	-1.62	9.09	3	Vertical	194	1.76	-
5190MHz	Pass	AV	5.196G	95.42	Inf	-Inf	9.14	3	Vertical	194	1.76	-
5190MHz	Pass	PK	5.1444G	66.01	74.00	-7.99	9.08	3	Vertical	194	1.76	-
5190MHz	Pass	PK	5.1952G	103.29	Inf	-Inf	9.13	3	Vertical	194	1.76	-
5190MHz	Pass	PK	10.3857G	54.54	68.20	-13.66	14.28	3	Vertical	152	1.43	-
5190MHz	Pass	PK	10.37142G	54.39	68.20	-13.81	14.26	3	Horizontal	143	1.23	-
5230MHz	Pass	AV	5.1496G	51.99	54.00	-2.01	9.09	3	Vertical	198	1.46	-
5230MHz	Pass	AV	5.224G	102.12	Inf	-Inf	9.20	3	Vertical	198	1.46	-
5230MHz	Pass	PK	5.148G	62.61	74.00	-11.39	9.09	3	Vertical	198	1.46	-
5230MHz	Pass	PK	5.222G	110.12	Inf	-Inf	9.20	3	Vertical	198	1.46	-
5230MHz	Pass	PK	10.4678G	54.18	68.20	-14.02	14.35	3	Vertical	243	2.39	-
5230MHz	Pass	PK	10.45694G	54.02	68.20	-14.18	14.33	3	Horizontal	32	1.43	-
5270MHz	Pass	AV	5.264G	102.89	Inf	-Inf	9.30	3	Vertical	196	1.67	-
5270MHz	Pass	AV	5.35G	51.87	54.00	-2.13	9.51	3	Vertical	196	1.67	-
5270MHz	Pass	PK	5.2656G	110.89	Inf	-Inf	9.31	3	Vertical	196	1.67	-
5270MHz	Pass	PK	5.3632G	64.07	74.00	-9.93	9.55	3	Vertical	196	1.67	-
5270MHz	Pass	PK	10.53544G	55.68	68.20	-12.52	14.41	3	Vertical	151	1.46	-
5270MHz	Pass	PK	10.54324G	54.01	68.20	-14.19	14.43	3	Horizontal	232	1.38	-
5310MHz	Pass	AV	5.3076G	96.49	Inf	-Inf	9.40	3	Vertical	193	1.91	-
5310MHz	Pass	AV	5.3504G	52.44	54.00	-1.56	9.51	3	Vertical	193	1.91	-
5310MHz	Pass	PK	5.3144G	104.13	Inf	-Inf	9.42	3	Vertical	193	1.91	-
5310MHz	Pass	PK	5.3564G	65.60	74.00	-8.40	9.53	3	Vertical	193	1.91	-
5310MHz	Pass	AV	10.62858G	43.06	54.00	-10.94	14.50	3	Vertical	90	2.08	-
5310MHz	Pass	PK	10.62516G	53.66	74.00	-20.34	14.50	3	Vertical	90	2.08	-
5310MHz	Pass	AV	10.61568G	43.04	54.00	-10.96	14.48	3	Horizontal	27	1.65	-
5310MHz	Pass	PK	10.62582G	54.03	74.00	-19.97	14.50	3	Horizontal	27	1.65	-
5510MHz	Pass	AV	5.46G	52.12	54.00	-1.88	9.76	3	Vertical	180	1.39	-
5510MHz	Pass	AV	5.5128G	97.29	Inf	-Inf	9.86	3	Vertical	180	1.39	-
5510MHz	Pass	PK	5.4644G	64.95	68.20	-3.25	9.78	3	Vertical	180	1.39	-
5510MHz	Pass	PK	5.516G	105.39	Inf	-Inf	9.86	3	Vertical	180	1.39	-
5510MHz	Pass	AV	11.02198G	43.81	54.00	-10.19	14.84	3	Vertical	130	1.60	-
5510MHz	Pass	PK	11.01808G	55.30	74.00	-18.70	14.84	3	Vertical	130	1.60	-
5510MHz	Pass	AV	11.01538G	43.88	54.00	-10.12	14.84	3	Horizontal	186	1.32	-
5510MHz	Pass	PK	11.03368G	54.17	74.00	-19.83	14.86	3	Horizontal	186	1.32	-
5550MHz	Pass	AV	5.4556G	51.57	54.00	-2.43	9.76	3	Vertical	180	1.46	-
5550MHz	Pass	AV	5.552G	102.65	Inf	-Inf	9.90	3	Vertical	180	1.46	-

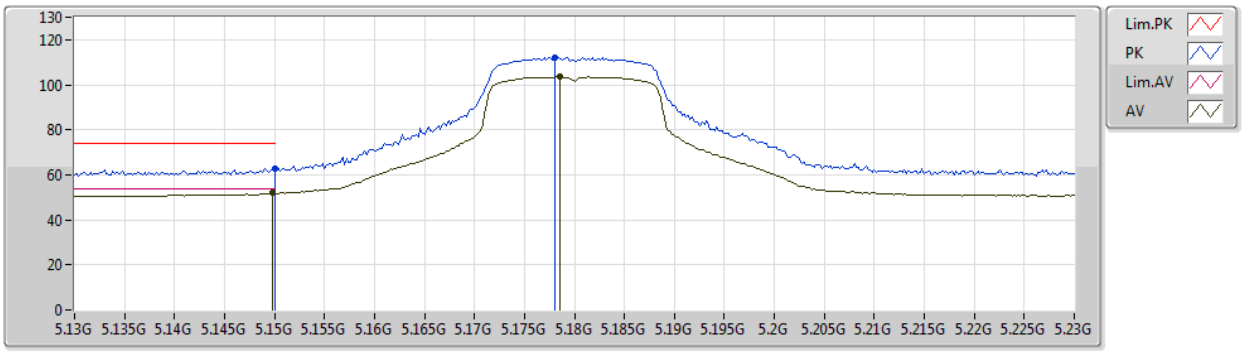
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5550MHz	Pass	PK	5.4676G	62.50	68.20	-5.70	9.78	3	Vertical	180	1.46	-
5550MHz	Pass	PK	5.5408G	110.51	Inf	-Inf	9.89	3	Vertical	180	1.46	-
5550MHz	Pass	AV	11.10834G	43.91	54.00	-10.09	15.00	3	Vertical	199	2.40	-
5550MHz	Pass	PK	11.10936G	54.69	74.00	-19.31	15.00	3	Vertical	199	2.40	-
5550MHz	Pass	AV	11.11044G	43.83	54.00	-10.17	15.00	3	Horizontal	281	2.00	-
5550MHz	Pass	PK	11.10012G	54.99	74.00	-19.01	14.98	3	Horizontal	281	2.00	-
5670MHz	Pass	AV	5.676G	100.70	Inf	-Inf	10.08	3	Vertical	200	1.50	-
5670MHz	Pass	PK	5.6598G	109.35	Inf	-Inf	10.05	3	Vertical	200	1.50	-
5670MHz	Pass	PK	5.7276G	66.25	68.20	-1.95	10.15	3	Vertical	200	1.50	-
5670MHz	Pass	AV	11.33964G	44.16	54.00	-9.84	15.39	3	Vertical	324	2.13	-
5670MHz	Pass	PK	11.32674G	54.91	74.00	-19.09	15.38	3	Vertical	324	2.13	-
5670MHz	Pass	AV	11.34228G	44.34	54.00	-9.66	15.40	3	Horizontal	254	1.34	-
5670MHz	Pass	PK	11.34564G	55.09	74.00	-18.91	15.41	3	Horizontal	254	1.34	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.4148G	51.80	54.00	-2.20	9.67	3	Vertical	180	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7076G	103.11	Inf	-Inf	10.13	3	Vertical	180	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.464G	61.94	68.20	-6.26	9.77	3	Vertical	180	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.7172G	110.76	Inf	-Inf	10.13	3	Vertical	180	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.8504G	63.29	68.20	-4.91	10.33	3	Vertical	180	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.4242G	44.48	54.00	-9.52	15.53	3	Vertical	275	1.12	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.41034G	55.37	74.00	-18.63	15.52	3	Vertical	275	1.12	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.41244G	44.55	54.00	-9.45	15.52	3	Horizontal	181	2.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.43176G	55.01	74.00	-18.99	15.55	3	Horizontal	181	2.50	-
5755MHz	Pass	AV	5.7574G	102.66	Inf	-Inf	10.21	3	Vertical	180	1.50	-
5755MHz	Pass	PK	5.5858G	63.12	68.20	-5.08	9.94	3	Vertical	180	1.50	-
5755MHz	Pass	PK	5.7586G	110.32	Inf	-Inf	10.21	3	Vertical	180	1.50	-
5755MHz	Pass	PK	5.9746G	62.35	68.20	-5.85	10.52	3	Vertical	180	1.50	-
5755MHz	Pass	AV	11.51678G	44.21	54.00	-9.79	15.70	3	Vertical	271	2.14	-
5755MHz	Pass	PK	11.51852G	55.12	74.00	-18.88	15.71	3	Vertical	271	2.14	-
5755MHz	Pass	AV	11.507G	44.42	54.00	-9.58	15.68	3	Horizontal	201	1.21	-
5755MHz	Pass	PK	11.50346G	55.06	74.00	-18.94	15.67	3	Horizontal	201	1.21	-
5795MHz	Pass	AV	5.7938G	98.92	Inf	-Inf	10.25	3	Vertical	150	1.50	-
5795MHz	Pass	PK	5.6258G	63.38	68.20	-4.82	10.00	3	Vertical	150	1.50	-
5795MHz	Pass	PK	5.7902G	106.26	Inf	-Inf	10.24	3	Vertical	150	1.50	-
5795MHz	Pass	PK	5.9246G	63.55	68.50	-4.95	10.44	3	Vertical	150	1.50	-
5795MHz	Pass	AV	11.60338G	44.15	54.00	-9.85	15.88	3	Vertical	272	1.14	-
5795MHz	Pass	PK	11.6026G	55.05	74.00	-18.95	15.88	3	Vertical	272	1.14	-
5795MHz	Pass	AV	11.5993G	44.17	54.00	-9.83	15.88	3	Horizontal	355	2.25	-
5795MHz	Pass	PK	11.60188G	54.83	74.00	-19.17	15.88	3	Horizontal	355	2.25	-
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.15G	52.36	54.00	-1.64	9.09	3	Vertical	198	1.50	-
5210MHz	Pass	AV	5.205G	89.92	Inf	-Inf	9.16	3	Vertical	198	1.50	-
5210MHz	Pass	AV	5.384G	51.47	54.00	-2.53	9.60	3	Vertical	198	1.50	-
5210MHz	Pass	PK	5.123G	61.54	74.00	-12.46	9.06	3	Vertical	198	1.50	-
5210MHz	Pass	PK	5.216G	97.56	Inf	-Inf	9.18	3	Vertical	198	1.50	-
5210MHz	Pass	PK	5.459G	61.45	74.00	-12.55	9.76	3	Vertical	198	1.50	-
5210MHz	Pass	PK	10.42048G	54.03	68.20	-14.17	14.31	3	Vertical	150	1.90	-
5210MHz	Pass	PK	10.42798G	54.24	68.20	-13.96	14.32	3	Horizontal	151	1.93	-
5290MHz	Pass	AV	5.064G	51.41	54.00	-2.59	9.01	3	Vertical	197	1.50	-
5290MHz	Pass	AV	5.292G	91.18	Inf	-Inf	9.37	3	Vertical	197	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5290MHz	Pass	AV	5.353G	52.46	54.00	-1.54	9.52	3	Vertical	197	1.50	-
5290MHz	Pass	PK	5.044G	61.53	74.00	-12.47	8.98	3	Vertical	197	1.50	-
5290MHz	Pass	PK	5.284G	98.73	Inf	-Inf	9.35	3	Vertical	197	1.50	-
5290MHz	Pass	PK	5.529G	61.99	68.20	-6.21	9.87	3	Vertical	197	1.50	-
5290MHz	Pass	PK	10.56518G	54.02	68.20	-14.18	14.44	3	Vertical	291	1.64	-
5290MHz	Pass	PK	10.58354G	54.52	68.20	-13.68	14.46	3	Horizontal	305	1.38	-
5530MHz	Pass	AV	5.418G	52.35	54.00	-1.65	9.67	3	Vertical	181	1.50	-
5530MHz	Pass	AV	5.525G	89.18	Inf	-Inf	9.87	3	Vertical	181	1.50	-
5530MHz	Pass	PK	5.466G	61.61	68.20	-6.59	9.78	3	Vertical	181	1.50	-
5530MHz	Pass	PK	5.523G	98.05	Inf	-Inf	9.87	3	Vertical	181	1.50	-
5530MHz	Pass	PK	5.742G	61.70	68.20	-6.50	10.17	3	Vertical	181	1.50	-
5530MHz	Pass	AV	11.06054G	43.97	54.00	-10.03	14.92	3	Vertical	93	2.49	-
5530MHz	Pass	PK	11.06378G	54.61	74.00	-19.39	14.92	3	Vertical	93	2.49	-
5530MHz	Pass	AV	11.06372G	43.80	54.00	-10.20	14.92	3	Horizontal	159	1.33	-
5530MHz	Pass	PK	11.0459G	54.95	74.00	-19.05	14.90	3	Horizontal	159	1.33	-
5610MHz	Pass	AV	5.456G	52.13	54.00	-1.87	9.76	3	Vertical	180	1.50	-
5610MHz	Pass	AV	5.604G	97.64	Inf	-Inf	9.96	3	Vertical	180	1.50	-
5610MHz	Pass	PK	5.464G	62.00	68.20	-6.20	9.77	3	Vertical	180	1.50	-
5610MHz	Pass	PK	5.599G	106.54	Inf	-Inf	9.96	3	Vertical	180	1.50	-
5610MHz	Pass	PK	5.73G	64.22	68.20	-3.98	10.16	3	Vertical	180	1.50	-
5610MHz	Pass	AV	11.21442G	44.44	54.00	-9.56	15.18	3	Vertical	310	1.47	-
5610MHz	Pass	PK	11.22G	54.87	74.00	-19.13	15.19	3	Vertical	310	1.47	-
5610MHz	Pass	AV	11.23392G	44.42	54.00	-9.58	15.21	3	Horizontal	308	1.68	-
5610MHz	Pass	PK	11.23398G	55.04	74.00	-18.96	15.21	3	Horizontal	308	1.68	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4092G	51.85	54.00	-2.15	9.66	3	Vertical	199	1.49	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.696G	99.97	Inf	-Inf	10.11	3	Vertical	199	1.49	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.46G	60.49	68.20	-7.71	9.76	3	Vertical	199	1.49	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.6972G	108.72	Inf	-Inf	10.11	3	Vertical	199	1.49	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8544G	64.12	68.20	-4.08	10.33	3	Vertical	199	1.49	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.38558G	44.40	54.00	-9.60	15.48	3	Vertical	59	1.61	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.36626G	54.90	74.00	-19.10	15.44	3	Vertical	59	1.61	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.38342G	44.57	54.00	-9.43	15.47	3	Horizontal	106	2.30	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.37208G	55.26	74.00	-18.74	15.44	3	Horizontal	106	2.30	-
5775MHz	Pass	AV	5.7594G	98.32	Inf	-Inf	10.21	3	Vertical	180	1.49	-
5775MHz	Pass	PK	5.6406G	66.24	68.20	-1.96	10.02	3	Vertical	180	1.49	-
5775MHz	Pass	PK	5.769G	106.72	Inf	-Inf	10.22	3	Vertical	180	1.49	-
5775MHz	Pass	PK	5.9466G	63.19	68.20	-5.01	10.48	3	Vertical	180	1.49	-
5775MHz	Pass	AV	11.54352G	44.18	54.00	-9.82	15.77	3	Vertical	153	2.12	-
5775MHz	Pass	PK	11.54706G	55.92	74.00	-18.08	15.78	3	Vertical	153	2.12	-
5775MHz	Pass	AV	11.53992G	44.06	54.00	-9.94	15.75	3	Horizontal	102	1.78	-
5775MHz	Pass	PK	11.55996G	55.28	74.00	-18.72	15.80	3	Horizontal	102	1.78	-

802.11a_Nss1,(6Mbps)_1TX

04/03/2019

5180MHz_TX

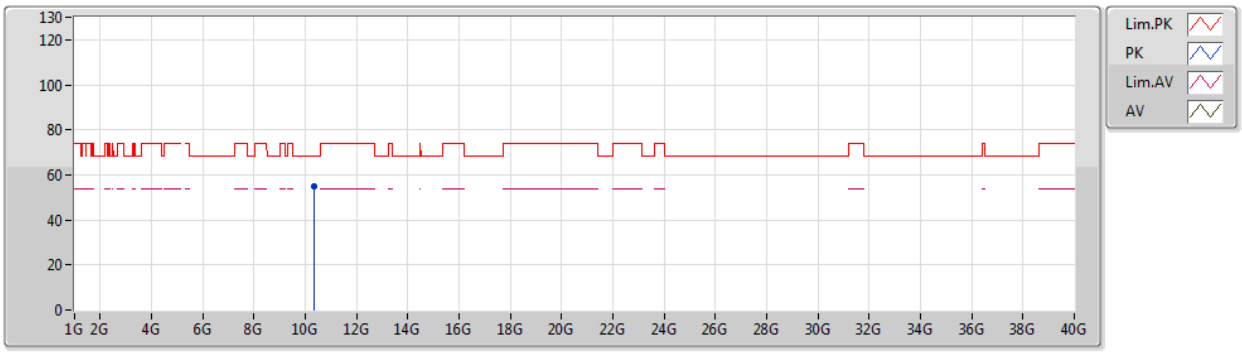


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1498G	51.99	54.00	-2.01	9.09	3	Vertical	194	1.97	-
AV	5.1786G	103.45	Inf	-Inf	9.12	3	Vertical	194	1.97	-
PK	5.15G	62.61	74.00	-11.39	9.09	3	Vertical	194	1.97	-
PK	5.178G	112.23	Inf	-Inf	9.12	3	Vertical	194	1.97	-

802.11a_Nss1,(6Mbps)_1TX

05/03/2019

5180MHz_TX

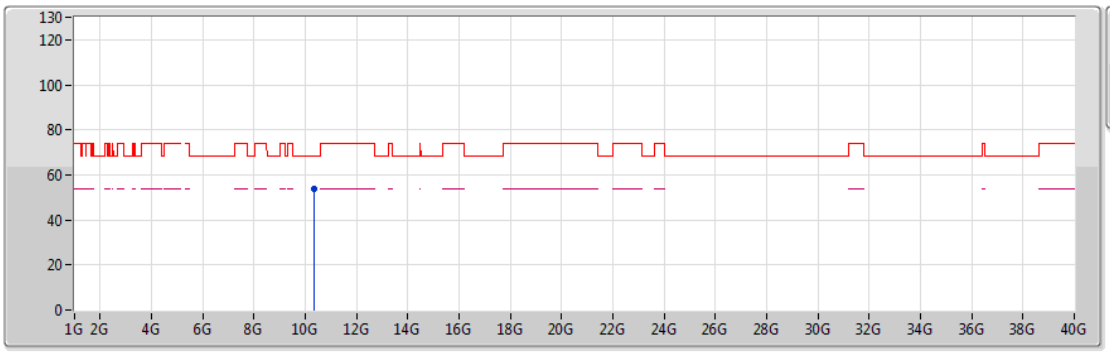


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.36352G	54.84	68.20	-13.36	14.27	3	Vertical	24	2.99	-

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

05/03/2019

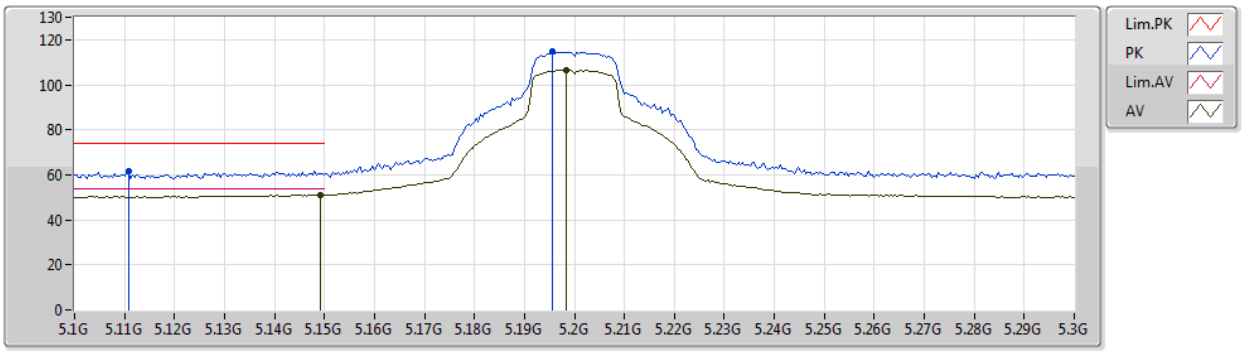


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.3549G	54.06	68.20	-14.14	14.25	3	Horizontal	349	1.84	-

802.11a_Nss1,(6Mbps)_1TX

04/03/2019

5200MHz_TX

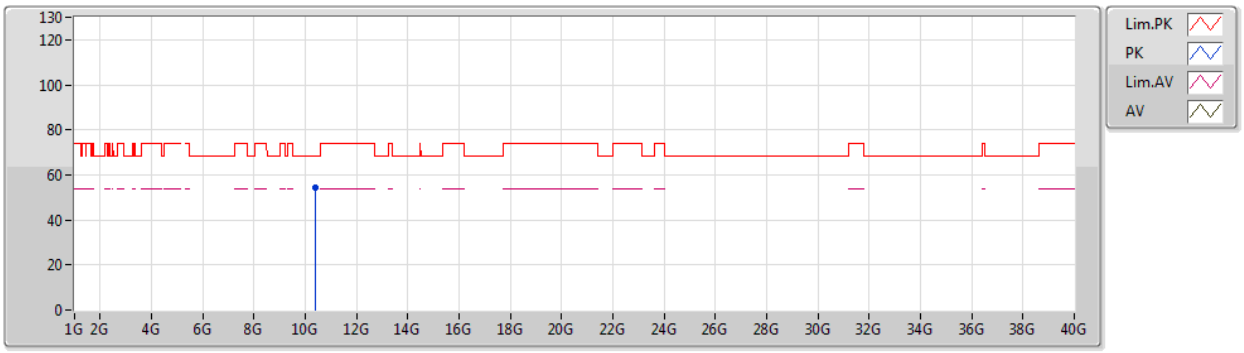


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1492G	50.99	54.00	-3.01	9.09	3	Vertical	192	1.95	-
AV	5.1984G	106.59	Inf	-Inf	9.14	3	Vertical	192	1.95	-
PK	5.1108G	61.76	74.00	-12.24	9.05	3	Vertical	192	1.95	-
PK	5.1956G	114.87	Inf	-Inf	9.13	3	Vertical	192	1.95	-

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

05/03/2019

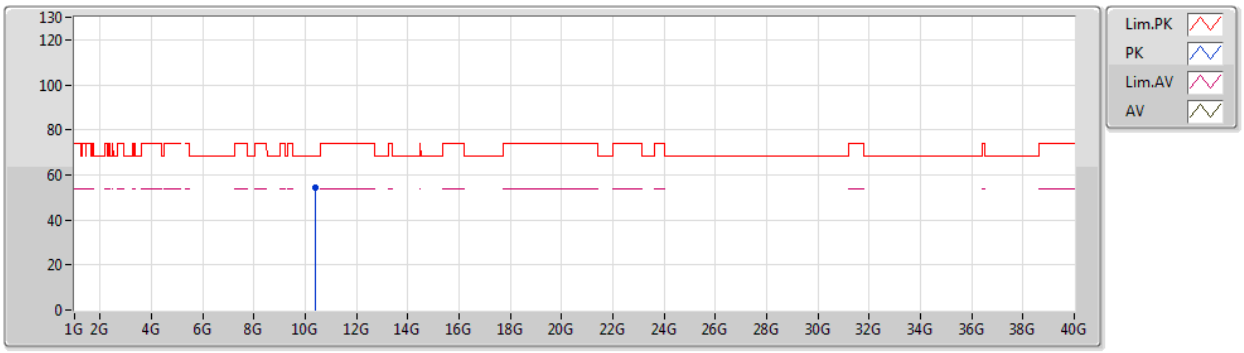


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.40136G	54.49	68.20	-13.71	14.30	3	Vertical	347	1.50	-

802.11a_Nss1,(6Mbps)_1TX

05/03/2019

5200MHz_TX

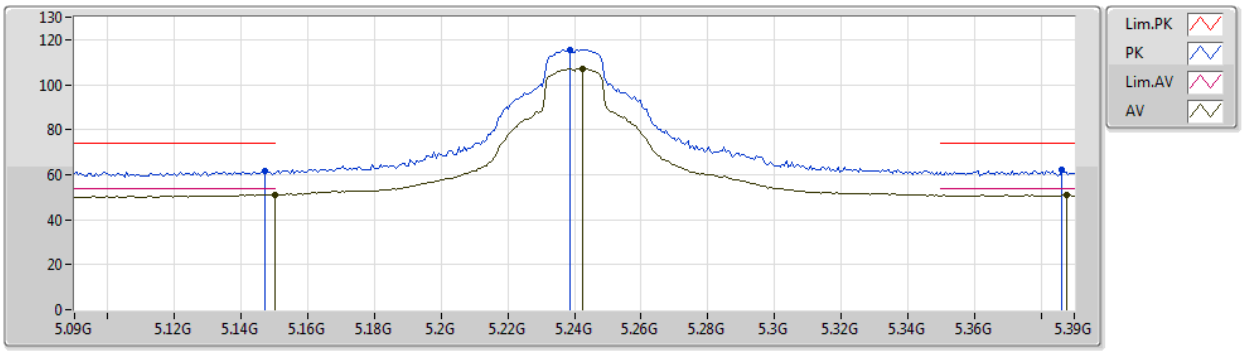


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.39828G	54.10	68.20	-14.10	14.30	3	Horizontal	125	1.59	-

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

05/03/2019

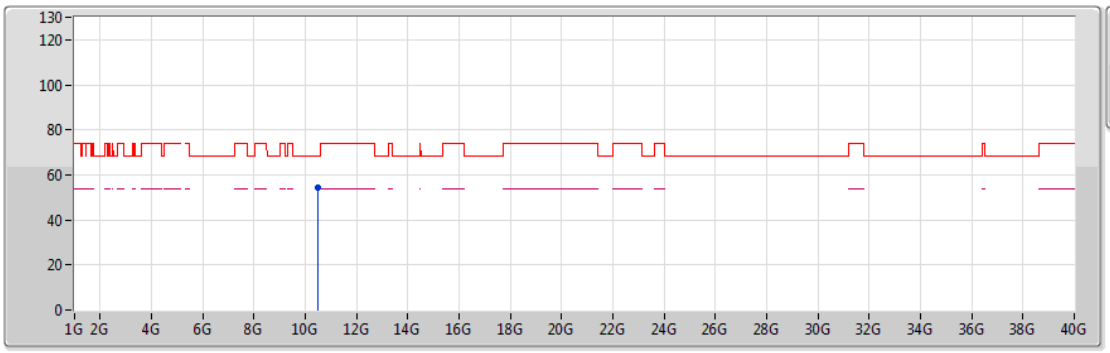


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	51.00	54.00	-3.00	9.09	3	Vertical	197	1.50	-
AV	5.2424G	107.20	Inf	-Inf	9.24	3	Vertical	197	1.50	-
AV	5.3876G	51.07	54.00	-2.93	9.62	3	Vertical	197	1.50	-
PK	5.147G	61.59	74.00	-12.41	9.09	3	Vertical	197	1.50	-
PK	5.2388G	115.59	Inf	-Inf	9.23	3	Vertical	197	1.50	-
PK	5.3864G	61.99	74.00	-12.01	9.60	3	Vertical	197	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

05/03/2019

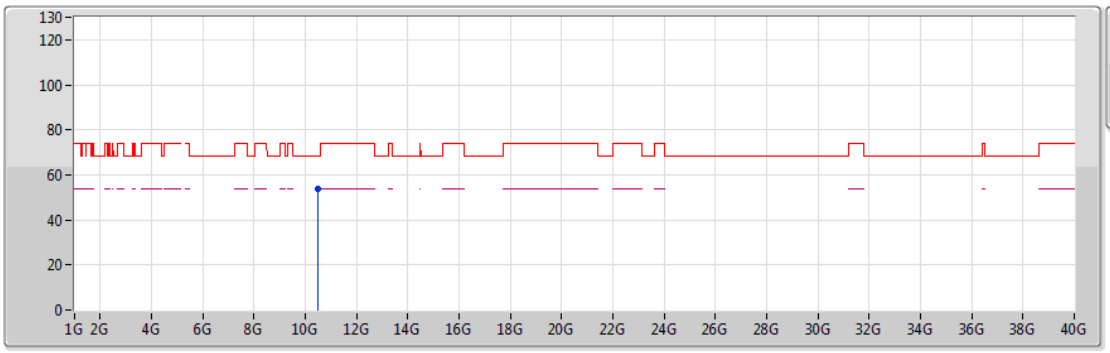


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.46998G	54.35	68.20	-13.85	14.35	3	Vertical	300	2.49	-

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

05/03/2019

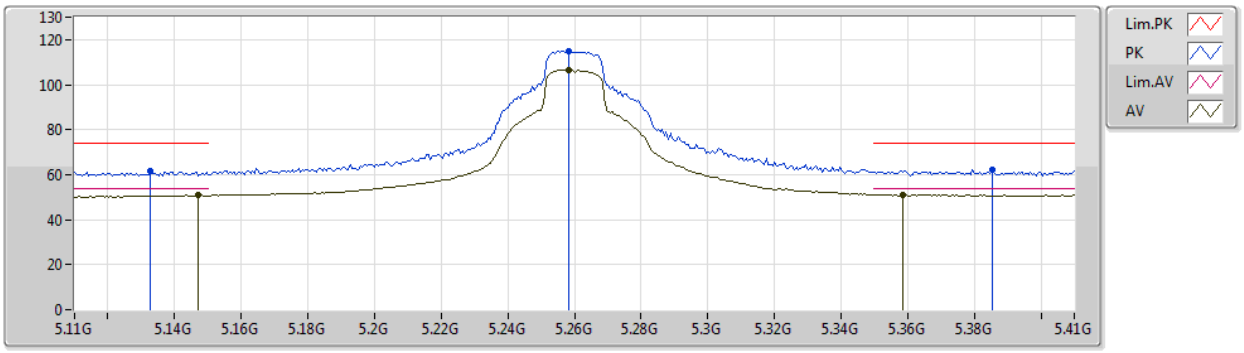


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4893G	53.95	68.20	-14.25	14.37	3	Horizontal	110	1.50	-

802.11a_Nss1,(6Mbps)_1TX

05/03/2019

5260MHz_TX

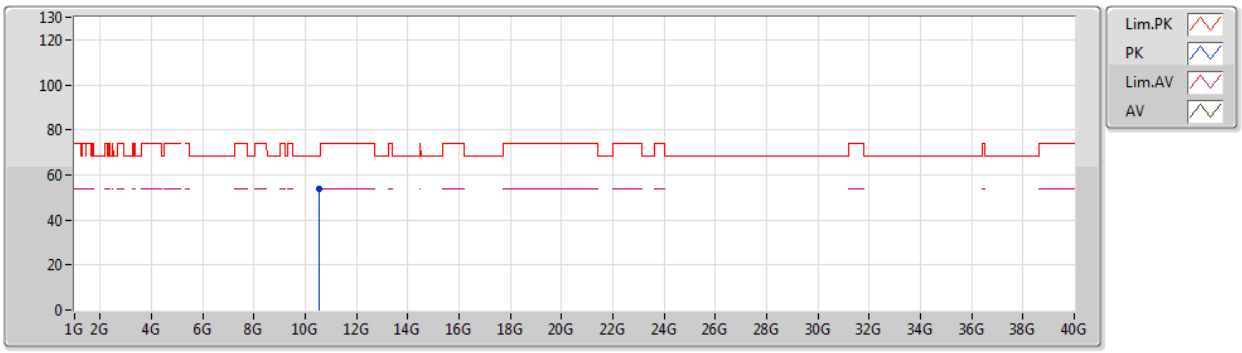


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1472G	50.77	54.00	-3.23	9.09	3	Vertical	194	1.50	-
AV	5.2582G	106.54	Inf	-Inf	9.29	3	Vertical	194	1.50	-
AV	5.3584G	51.13	54.00	-2.87	9.53	3	Vertical	194	1.50	-
PK	5.1328G	61.44	74.00	-12.56	9.08	3	Vertical	194	1.50	-
PK	5.2582G	115.06	Inf	-Inf	9.29	3	Vertical	194	1.50	-
PK	5.3854G	62.23	74.00	-11.77	9.60	3	Vertical	194	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

05/03/2019

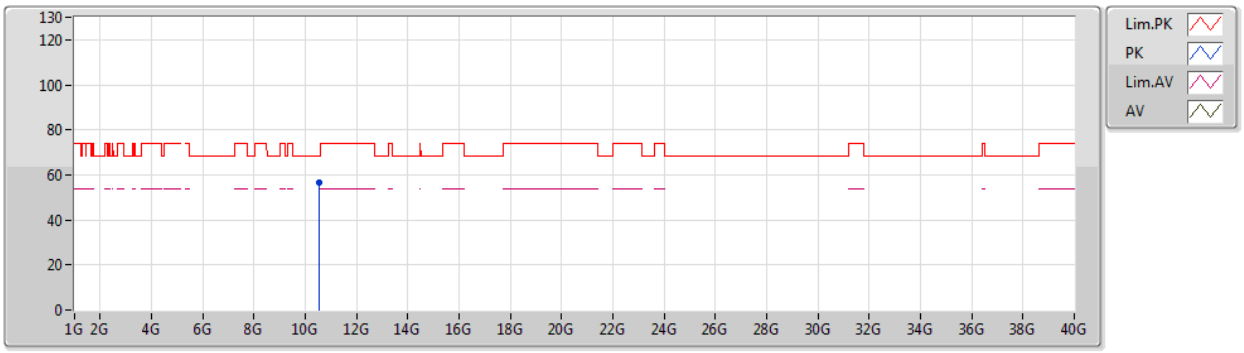


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.52294G	53.95	68.20	-14.25	14.40	3	Vertical	121	1.59	-

802.11a_Nss1,(6Mbps)_1TX

5260MHz_TX

05/03/2019

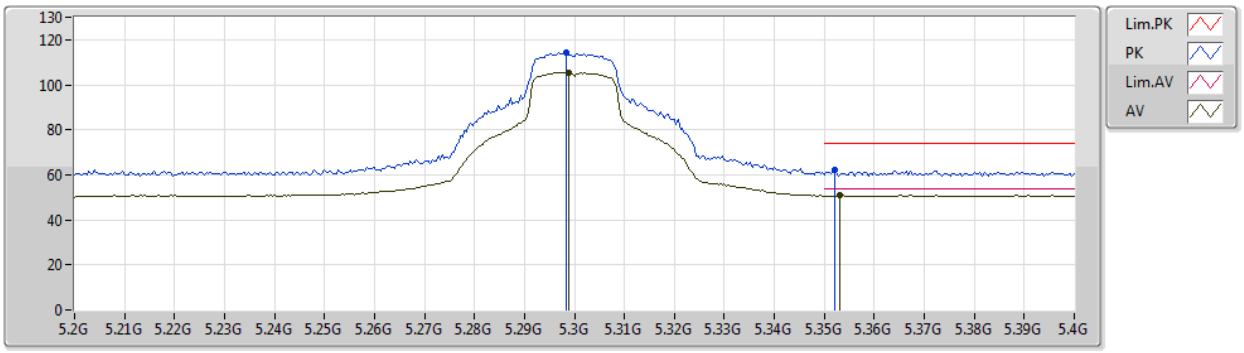


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.52288G	56.42	68.20	-11.78	14.40	3	Horizontal	187	1.66	-

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

05/03/2019

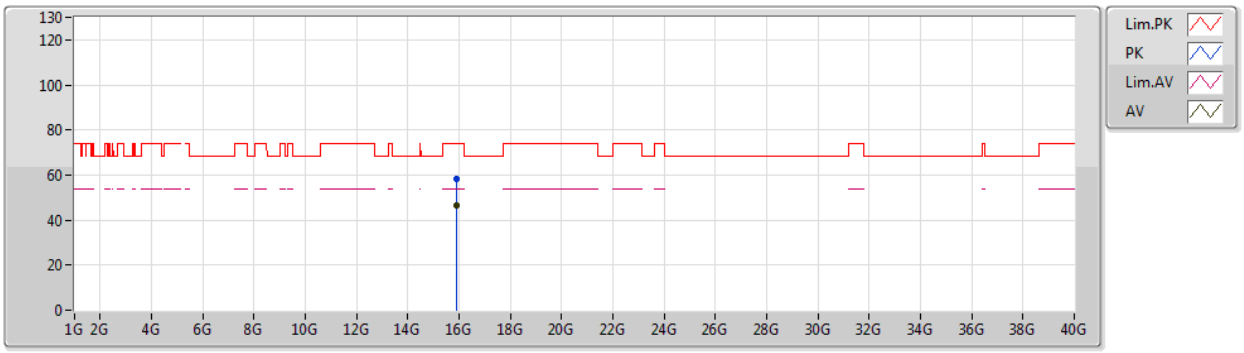


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.2988G	105.22	Inf	-Inf	9.38	3	Vertical	198	1.50	-
AV	5.3532G	50.88	54.00	-3.12	9.52	3	Vertical	198	1.50	-
PK	5.2984G	114.52	Inf	-Inf	9.38	3	Vertical	198	1.50	-
PK	5.352G	61.98	74.00	-12.02	9.51	3	Vertical	198	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

05/03/2019

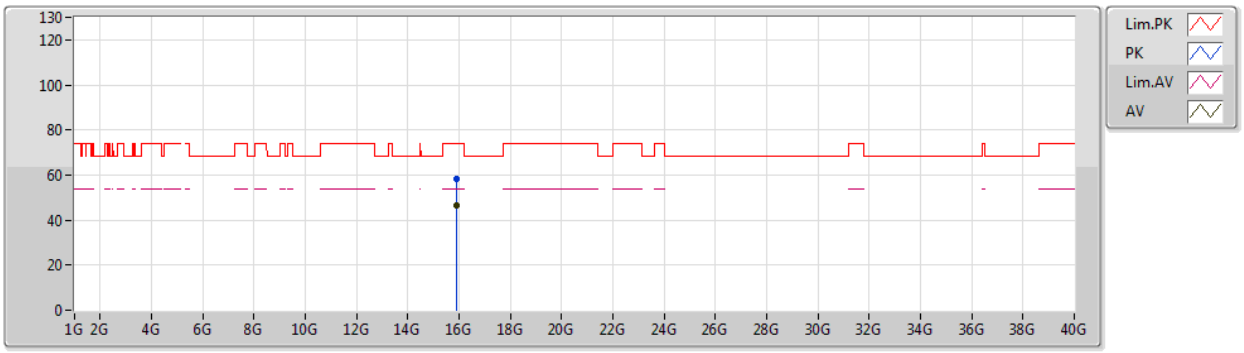


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.90324G	46.69	54.00	-7.31	15.44	3	Vertical	149	1.50	-
PK	15.88644G	58.33	74.00	-15.67	15.45	3	Vertical	149	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5300MHz_TX

05/03/2019

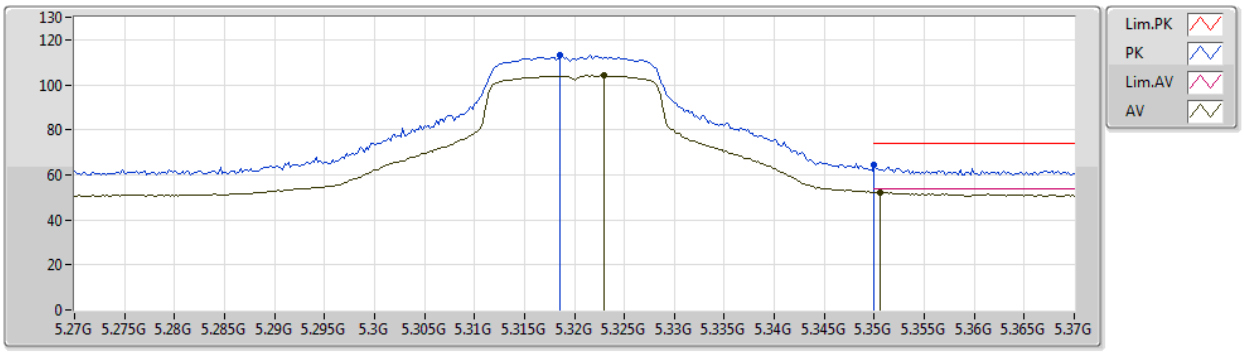


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.88716G	46.63	54.00	-7.37	15.45	3	Horizontal	223	1.47	-
PK	15.91212G	58.24	74.00	-15.76	15.44	3	Horizontal	223	1.47	-

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

05/03/2019

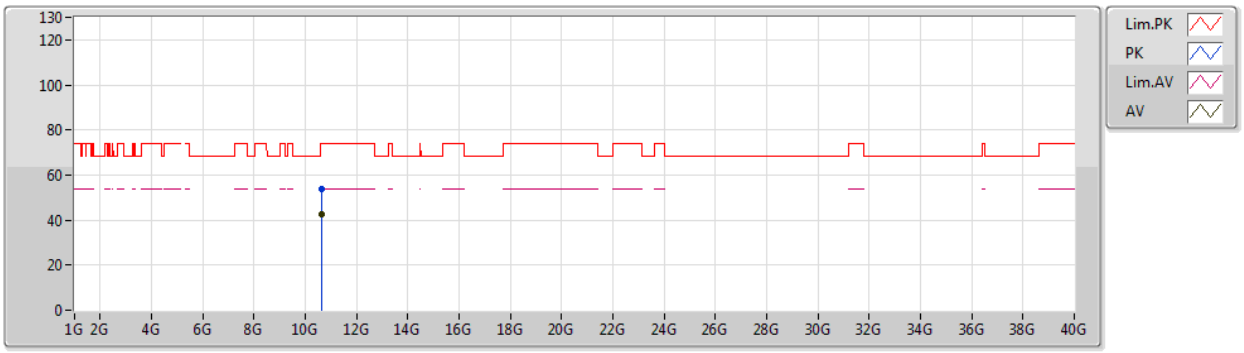


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.323G	104.03	Inf	-Inf	9.44	3	Vertical	197	1.49	-
AV	5.3506G	52.26	54.00	-1.74	9.51	3	Vertical	197	1.49	-
PK	5.3186G	113.24	Inf	-Inf	9.43	3	Vertical	197	1.49	-
PK	5.35G	64.28	74.00	-9.72	9.51	3	Vertical	197	1.49	-

802.11a_Nss1,(6Mbps)_1TX

05/03/2019

5320MHz_TX

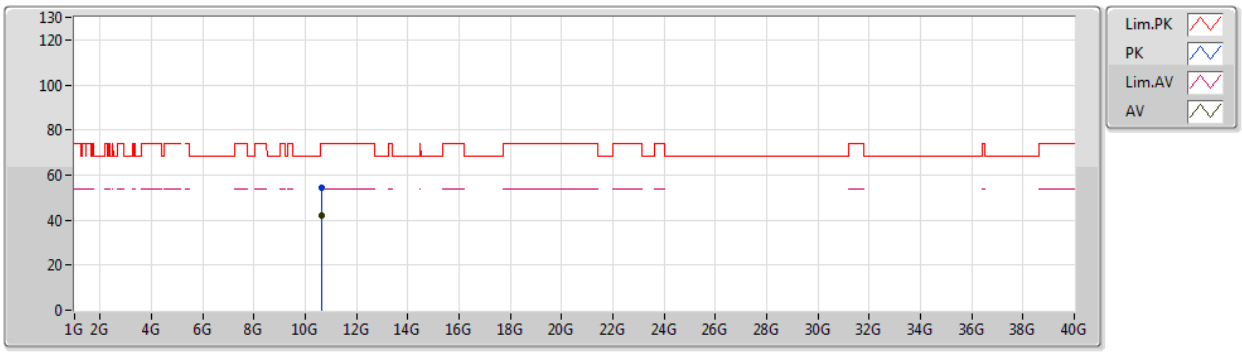


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.63988G	42.48	54.00	-11.52	14.49	3	Vertical	165	1.61	-
PK	10.64192G	54.04	74.00	-19.96	14.50	3	Vertical	165	1.61	-

802.11a_Nss1,(6Mbps)_1TX

5320MHz_TX

05/03/2019

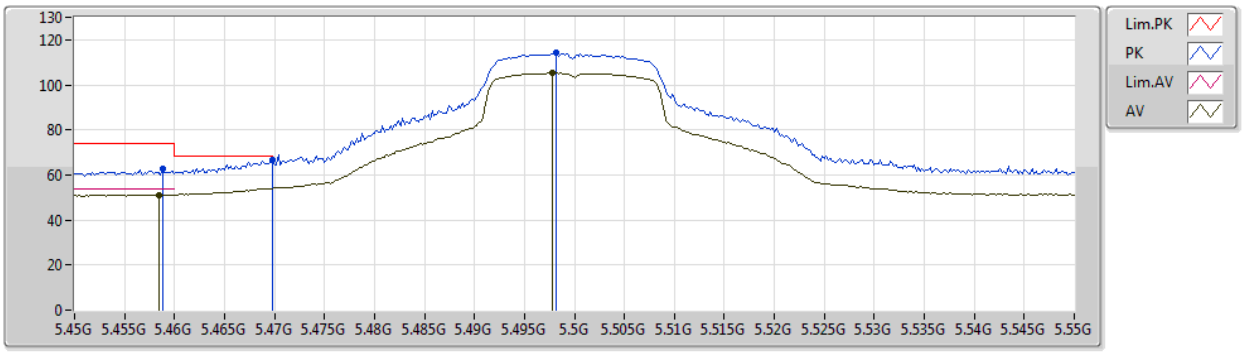


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.64462G	42.15	54.00	-11.85	14.51	3	Horizontal	175	1.56	-
PK	10.64132G	54.11	74.00	-19.89	14.49	3	Horizontal	175	1.56	-

802.11a_Nss1,(6Mbps)_1TX

05/03/2019

5500MHz_TX

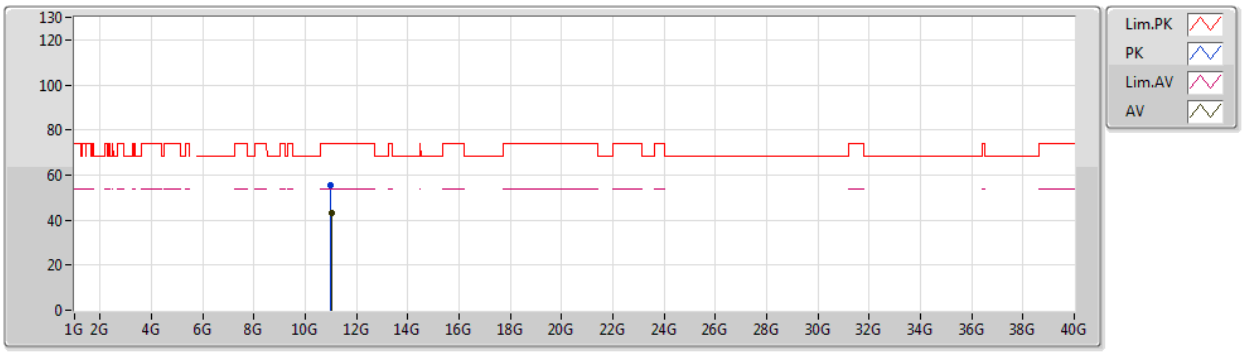


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4584G	51.15	54.00	-2.85	9.76	3	Vertical	5	1.50	-
AV	5.4978G	105.14	Inf	-Inf	9.84	3	Vertical	5	1.50	-
PK	5.4588G	62.56	74.00	-11.44	9.76	3	Vertical	5	1.50	-
PK	5.4698G	66.62	68.20	-1.58	9.78	3	Vertical	5	1.50	-
PK	5.4982G	114.19	Inf	-Inf	9.84	3	Vertical	5	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

05/03/2019

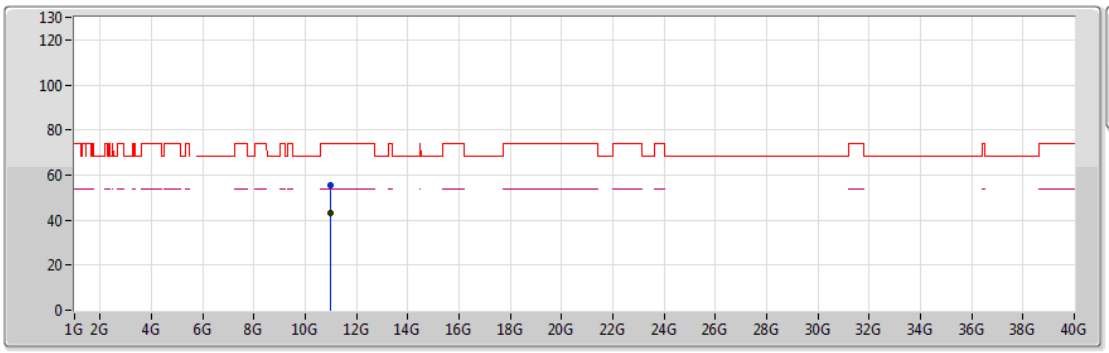


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.00912G	43.17	54.00	-10.83	14.83	3	Vertical	175	1.92	-
PK	11.006G	55.28	74.00	-18.72	14.82	3	Vertical	175	1.92	-

802.11a_Nss1,(6Mbps)_1TX

5500MHz_TX

05/03/2019

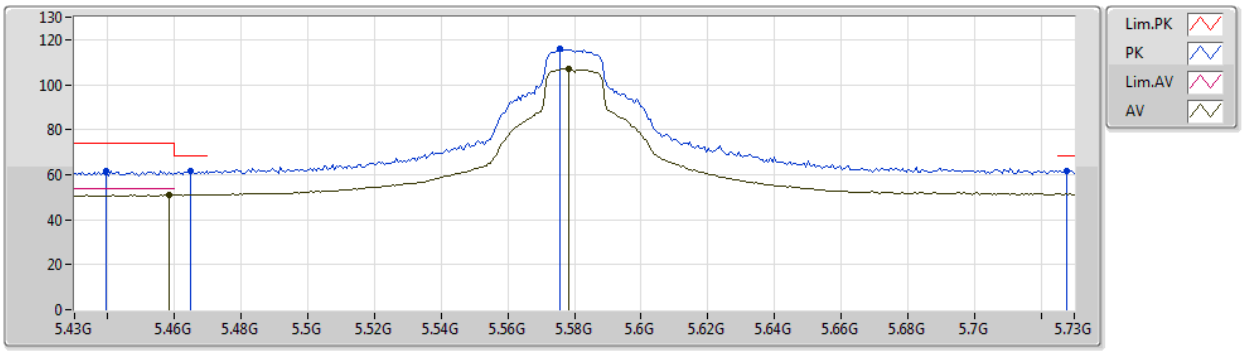


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.9946G	43.24	54.00	-10.76	14.81	3	Horizontal	150	2.59	-
PK	10.99178G	55.62	74.00	-18.38	14.81	3	Horizontal	150	2.59	-

802.11a_Nss1,(6Mbps)_1TX

05/03/2019

5580MHz_TX

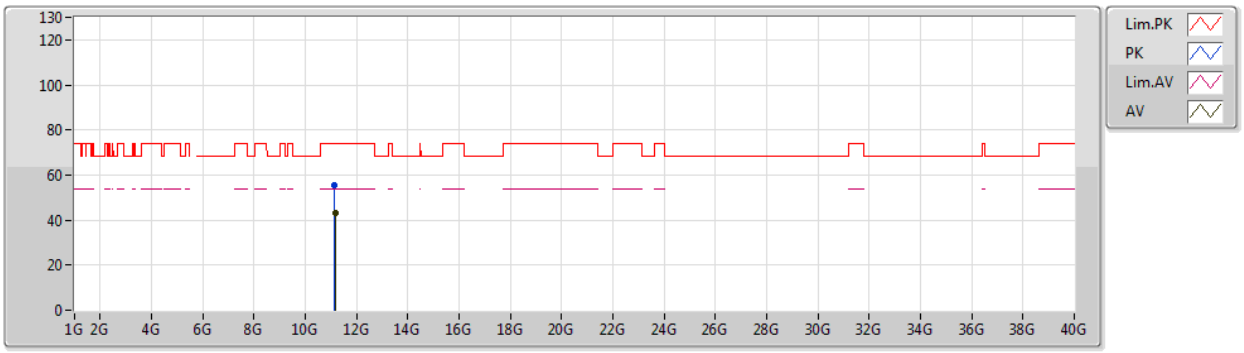


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4582G	51.15	54.00	-2.85	9.76	3	Vertical	180	1.50	-
AV	5.5782G	107.03	Inf	-Inf	9.93	3	Vertical	180	1.50	-
PK	5.4396G	61.80	74.00	-12.20	9.72	3	Vertical	180	1.50	-
PK	5.4648G	61.59	68.20	-6.61	9.78	3	Vertical	180	1.50	-
PK	5.5758G	115.86	Inf	-Inf	9.93	3	Vertical	180	1.50	-
PK	5.7276G	61.87	68.20	-6.33	10.15	3	Vertical	180	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

05/03/2019

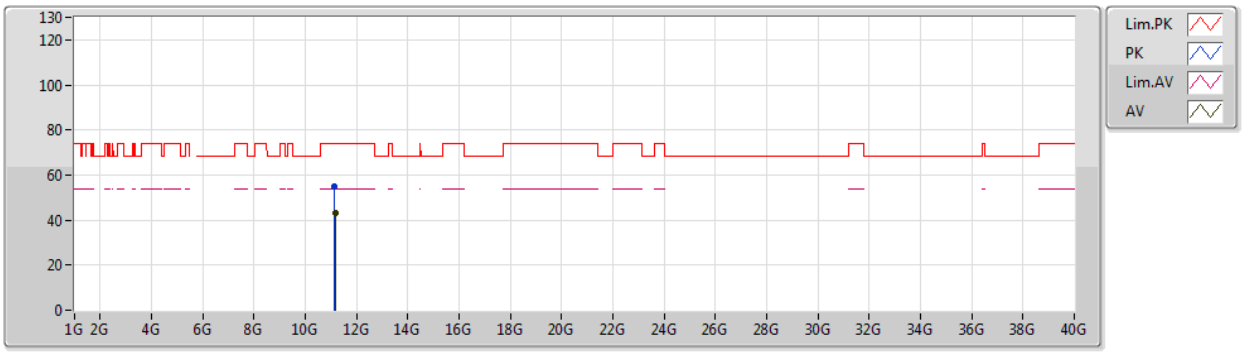


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.16192G	43.21	54.00	-10.79	15.09	3	Vertical	357	2.99	-
PK	11.15514G	55.37	74.00	-18.63	15.08	3	Vertical	357	2.99	-

802.11a_Nss1,(6Mbps)_1TX

5580MHz_TX

05/03/2019

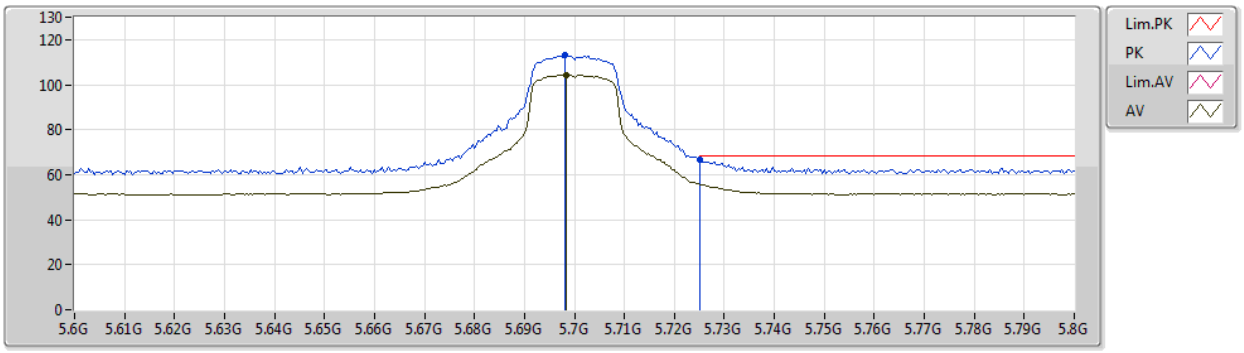


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.16084G	43.31	54.00	-10.69	15.09	3	Horizontal	200	1.50	-
PK	11.15172G	55.00	74.00	-19.00	15.07	3	Horizontal	200	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

05/03/2019

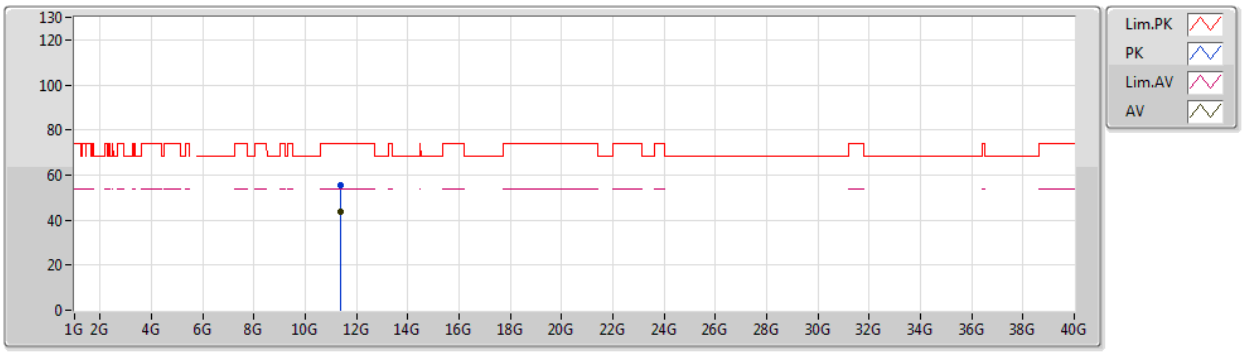


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.6984G	104.40	Inf	-Inf	10.11	3	Vertical	179	1.50	-
PK	5.698G	113.21	Inf	-Inf	10.11	3	Vertical	179	1.50	-
PK	5.7252G	66.60	68.20	-1.60	10.15	3	Vertical	179	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5700MHz_TX

05/03/2019

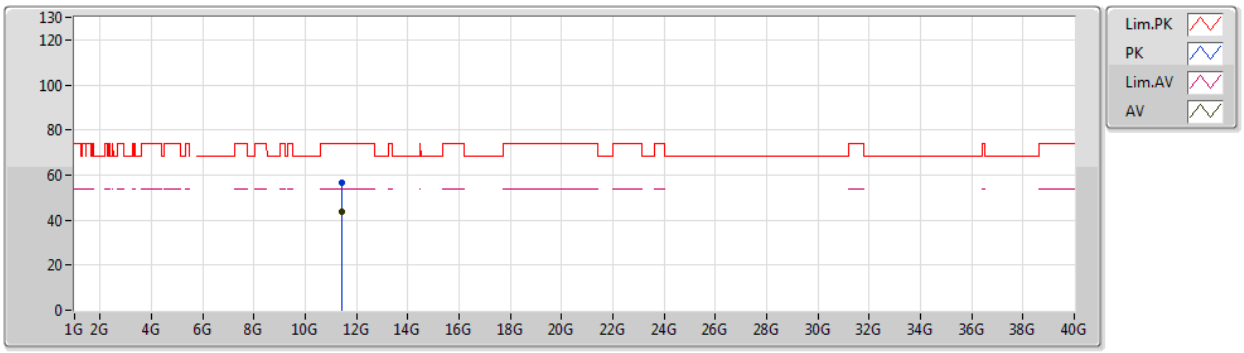


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.39214G	43.63	54.00	-10.37	15.49	3	Vertical	282	1.02	-
PK	11.39604G	55.50	74.00	-18.50	15.50	3	Vertical	282	1.02	-

802.11a_Nss1,(6Mbps)_1TX

05/03/2019

5700MHz_TX

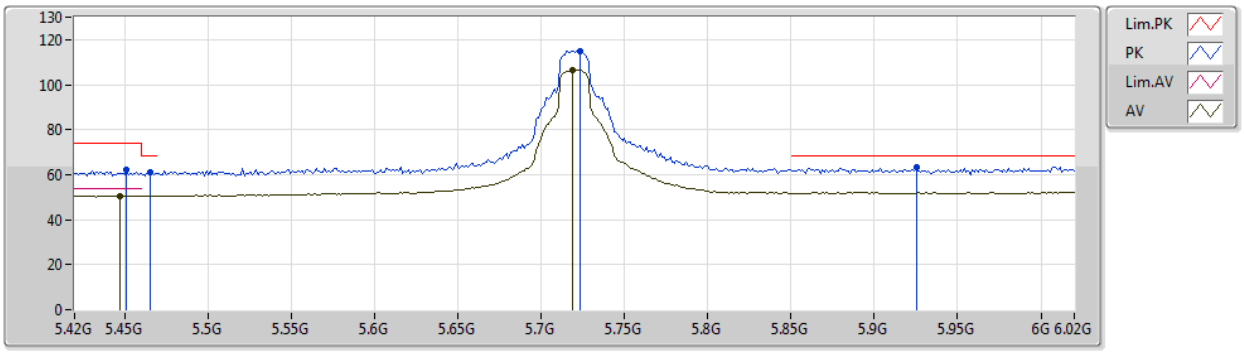


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.40996G	43.64	54.00	-10.36	15.52	3	Horizontal	213	1.78	-
PK	11.40852G	56.34	74.00	-17.66	15.52	3	Horizontal	213	1.78	-

802.11a_Nss1,(6Mbps)_1TX

05/03/2019

5720MHz Straddle 5.47-5.725GHz_TX

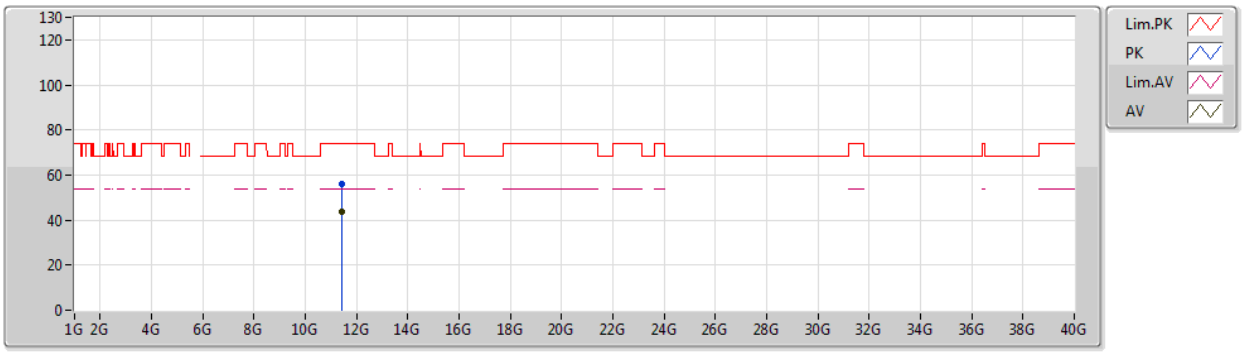


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4476G	50.53	54.00	-3.47	9.73	3	Vertical	179	1.48	-
AV	5.7188G	106.42	Inf	-Inf	10.14	3	Vertical	179	1.48	-
PK	5.4512G	61.98	74.00	-12.02	9.75	3	Vertical	179	1.48	-
PK	5.4656G	61.35	68.20	-6.85	9.78	3	Vertical	179	1.48	-
PK	5.7236G	115.07	Inf	-Inf	10.15	3	Vertical	179	1.48	-
PK	5.9252G	63.12	68.20	-5.08	10.44	3	Vertical	179	1.48	-

802.11a_Nss1,(6Mbps)_1TX

05/03/2019

5720MHz Straddle 5.47-5.725GHz_TX

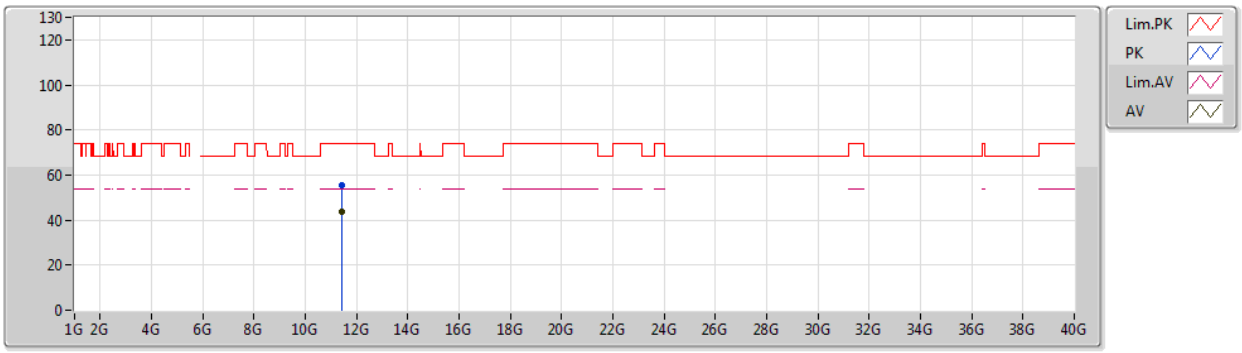


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.42872G	43.44	54.00	-10.56	15.55	3	Vertical	291	1.53	-
PK	11.42818G	55.77	74.00	-18.23	15.55	3	Vertical	291	1.53	-

802.11a_Nss1,(6Mbps)_1TX

5720MHz Straddle 5.47-5.725GHz_TX

05/03/2019

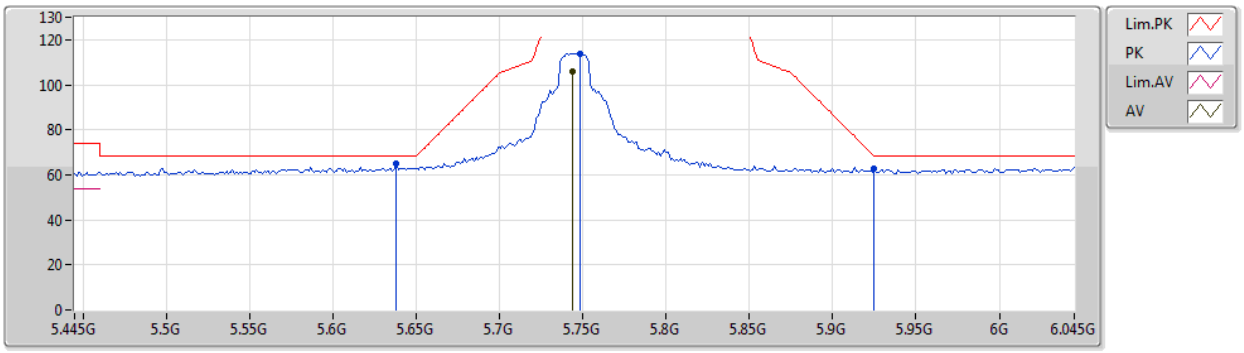


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.43064G	43.64	54.00	-10.36	15.55	3	Horizontal	59	1.71	-
PK	11.44048G	55.73	74.00	-18.27	15.56	3	Horizontal	59	1.71	-

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

05/03/2019

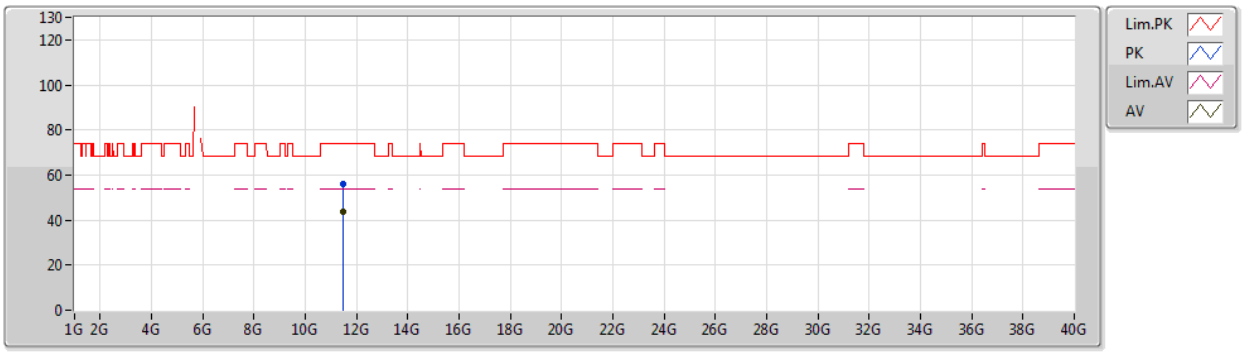


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7438G	105.63	Inf	-Inf	10.18	3	Vertical	180	1.50	-
PK	5.6382G	64.98	68.20	-3.22	10.02	3	Vertical	180	1.50	-
PK	5.7486G	113.96	Inf	-Inf	10.19	3	Vertical	180	1.50	-
PK	5.925G	62.50	68.20	-5.70	10.44	3	Vertical	180	1.50	-

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

05/03/2019

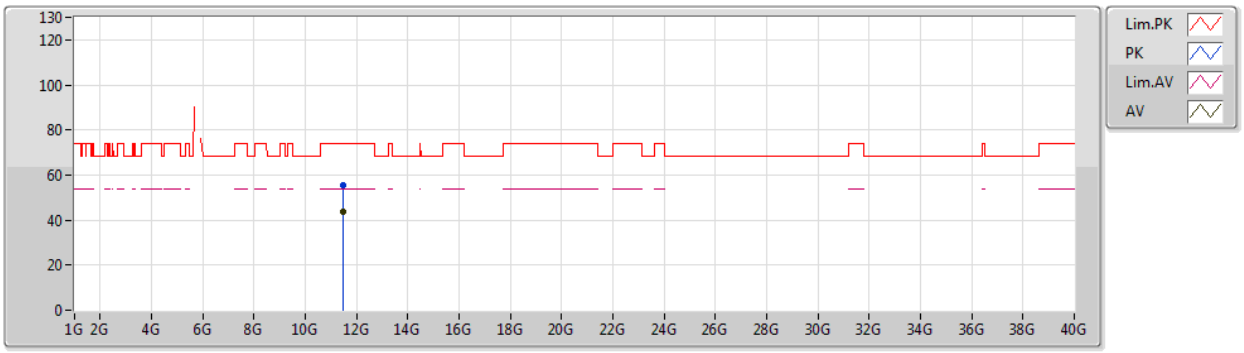


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.49504G	43.64	54.00	-10.36	15.67	3	Vertical	289	2.39	-
PK	11.49132G	55.82	74.00	-18.18	15.65	3	Vertical	289	2.39	-

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

05/03/2019

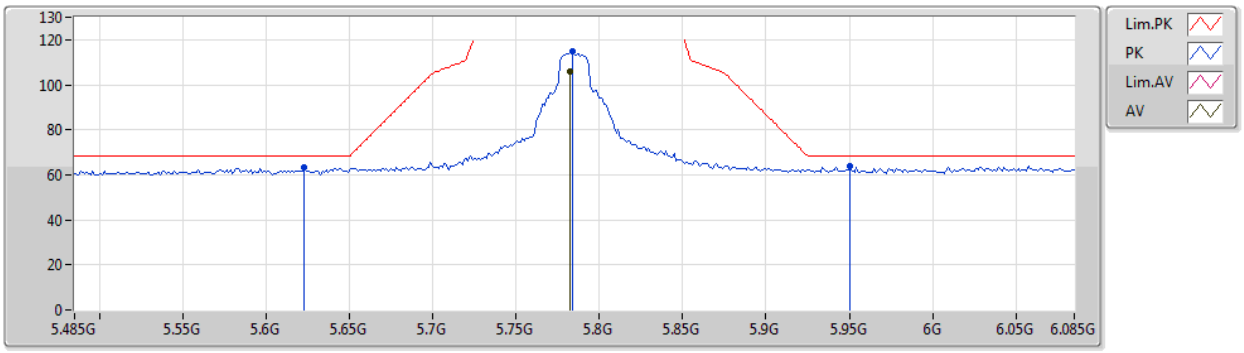


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.48538G	43.61	54.00	-10.39	15.65	3	Horizontal	125	2.35	-
PK	11.49396G	55.39	74.00	-18.61	15.66	3	Horizontal	125	2.35	-

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

05/03/2019

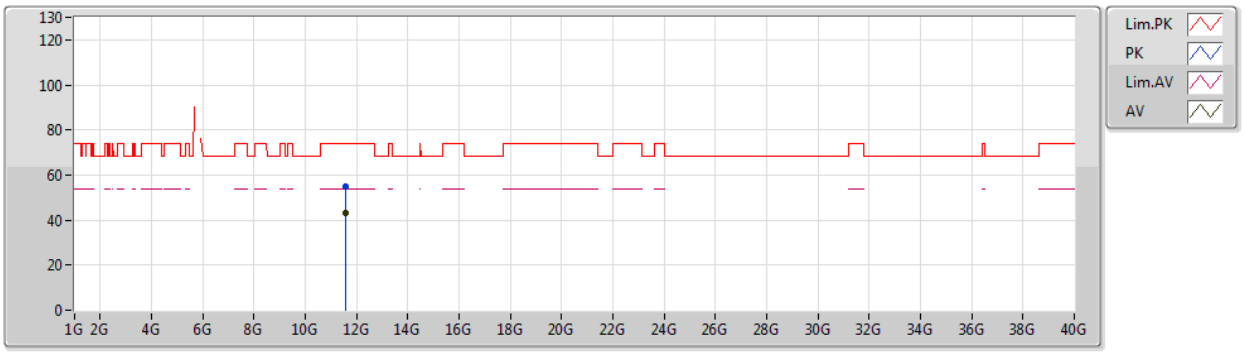


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7826G	105.81	Inf	-Inf	10.24	3	Vertical	179	1.89	-
PK	5.623G	63.49	68.20	-4.71	9.99	3	Vertical	179	1.89	-
PK	5.7838G	114.61	Inf	-Inf	10.24	3	Vertical	179	1.89	-
PK	5.9506G	63.95	68.20	-4.25	10.47	3	Vertical	179	1.89	-

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

05/03/2019

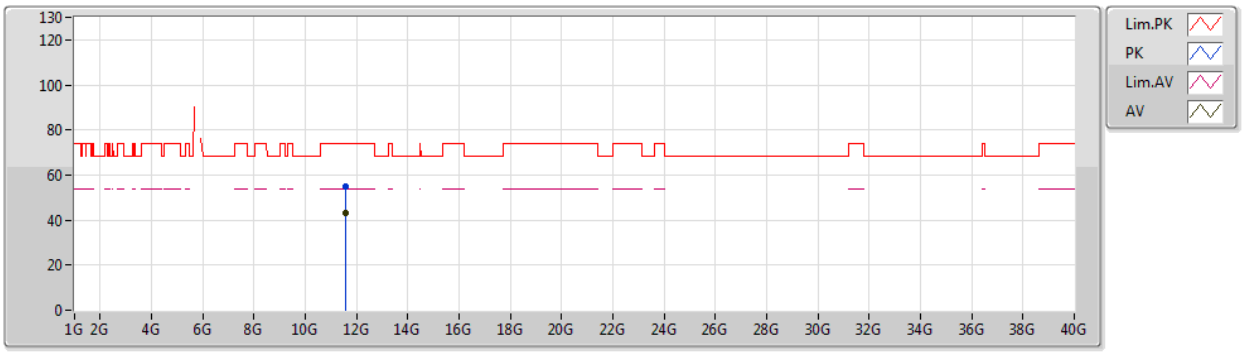


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.58368G	43.38	54.00	-10.62	15.85	3	Vertical	63	2.27	-
PK	11.58182G	54.97	74.00	-19.03	15.84	3	Vertical	63	2.27	-

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

05/03/2019

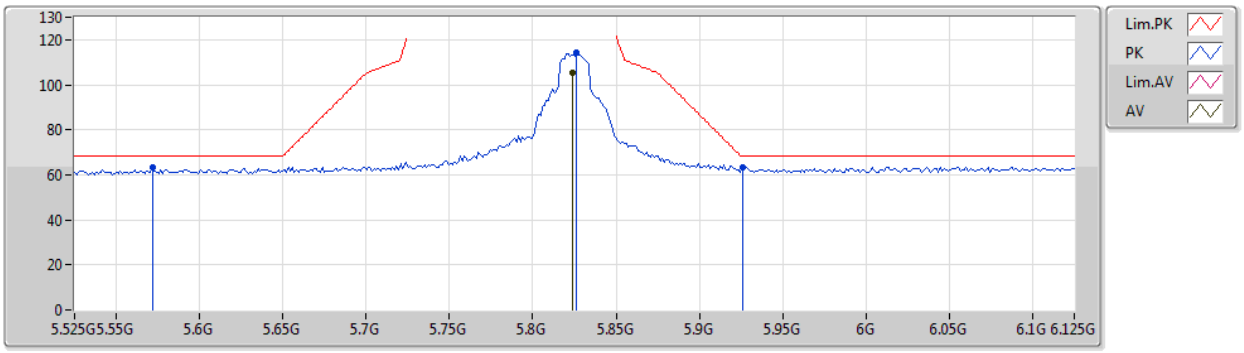


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.5805G	43.39	54.00	-10.61	15.84	3	Horizontal	142	1.92	-
PK	11.57996G	55.16	74.00	-18.84	15.84	3	Horizontal	142	1.92	-

802.11a_Nss1,(6Mbps)_1TX

05/03/2019

5825MHz_TX

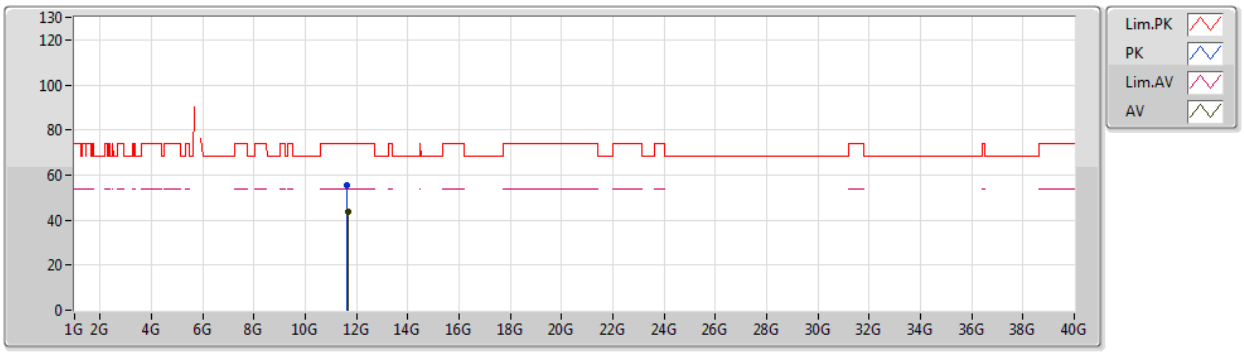


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.8238G	105.17	Inf	-Inf	10.29	3	Vertical	180	1.52	-
PK	5.5718G	63.37	68.20	-4.83	9.93	3	Vertical	180	1.52	-
PK	5.8262G	114.27	Inf	-Inf	10.29	3	Vertical	180	1.52	-
PK	5.9258G	63.11	68.20	-5.09	10.44	3	Vertical	180	1.52	-

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

05/03/2019

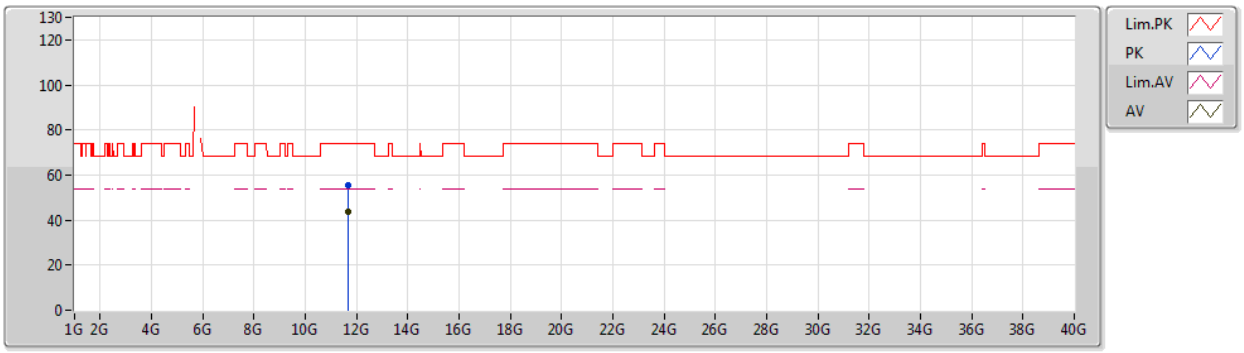


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.6608G	43.71	54.00	-10.29	16.02	3	Vertical	59	1.72	-
PK	11.64652G	55.41	74.00	-18.59	15.99	3	Vertical	59	1.72	-

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

05/03/2019

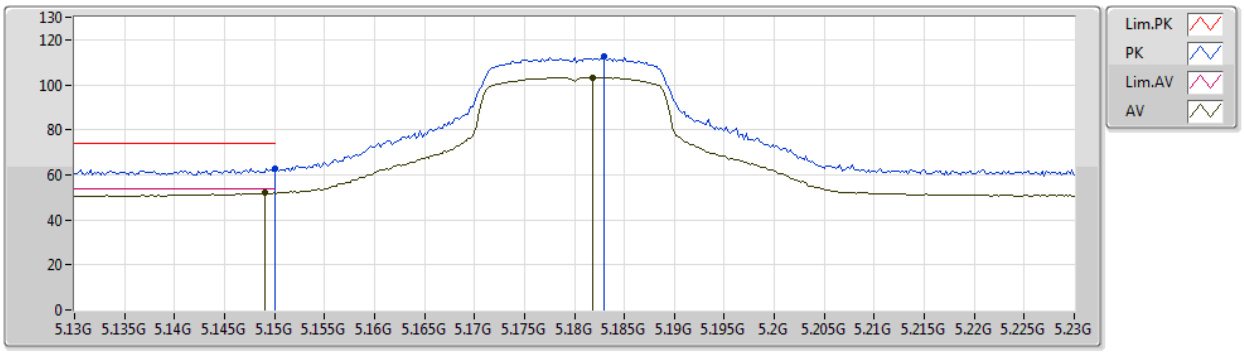


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.66362G	43.72	54.00	-10.28	16.02	3	Horizontal	4	2.21	-
PK	11.66254G	55.64	74.00	-18.36	16.02	3	Horizontal	4	2.21	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5180MHz_TX

05/03/2019

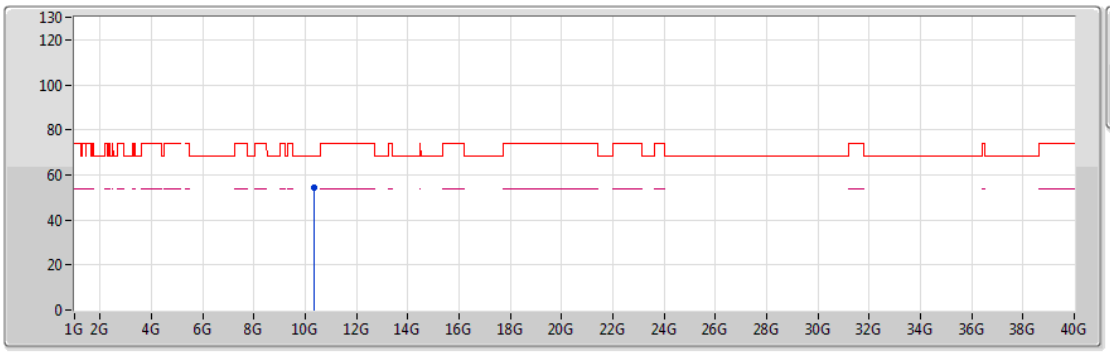


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.149G	51.99	54.00	-2.01	9.09	3	Vertical	194	2.00	-
AV	5.1818G	103.35	Inf	-Inf	9.13	3	Vertical	194	2.00	-
PK	5.15G	62.77	74.00	-11.23	9.09	3	Vertical	194	2.00	-
PK	5.183G	112.52	Inf	-Inf	9.13	3	Vertical	194	2.00	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5180MHz_TX

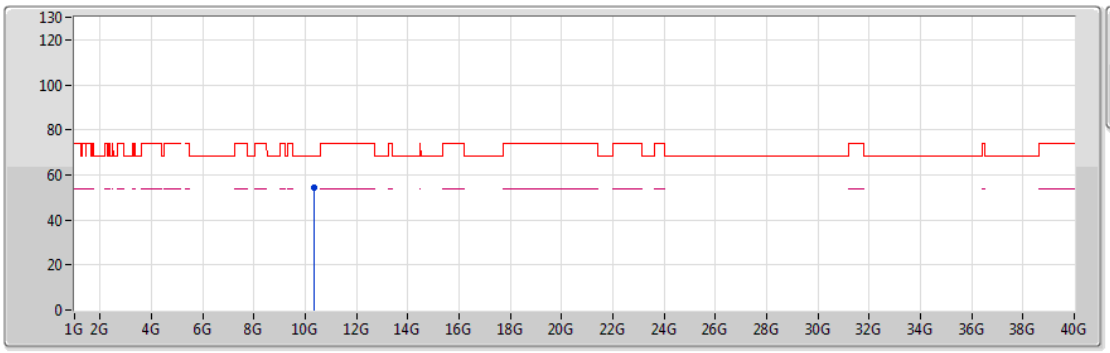


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.3564G	54.10	68.20	-14.10	14.25	3	Vertical	32	1.66	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5180MHz_TX

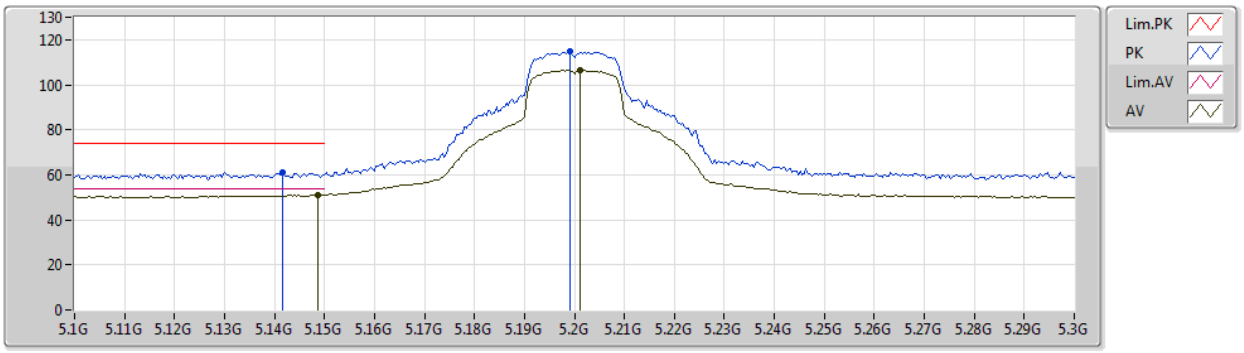


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.3651G	54.61	68.20	-13.59	14.27	3	Horizontal	118	2.49	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

05/03/2019

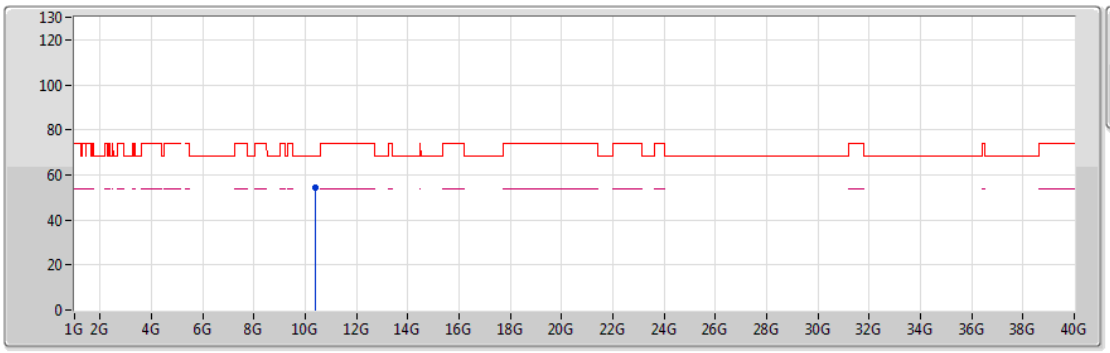


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1488G	50.99	54.00	-3.01	9.09	3	Vertical	194	1.76	-
AV	5.2012G	106.40	Inf	-Inf	9.14	3	Vertical	194	1.76	-
PK	5.1416G	61.31	74.00	-12.69	9.08	3	Vertical	194	1.76	-
PK	5.1992G	114.61	Inf	-Inf	9.14	3	Vertical	194	1.76	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

05/03/2019

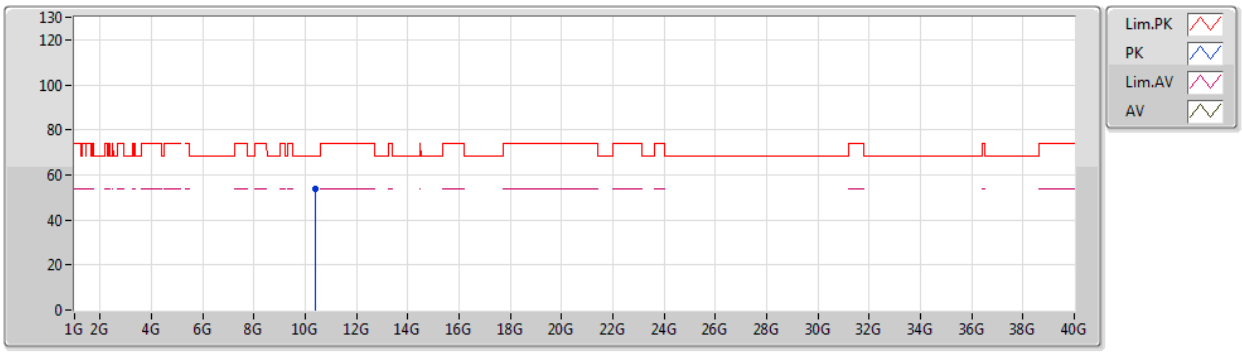


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.40042G	54.12	68.20	-14.08	14.30	3	Vertical	47	1.99	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

05/03/2019

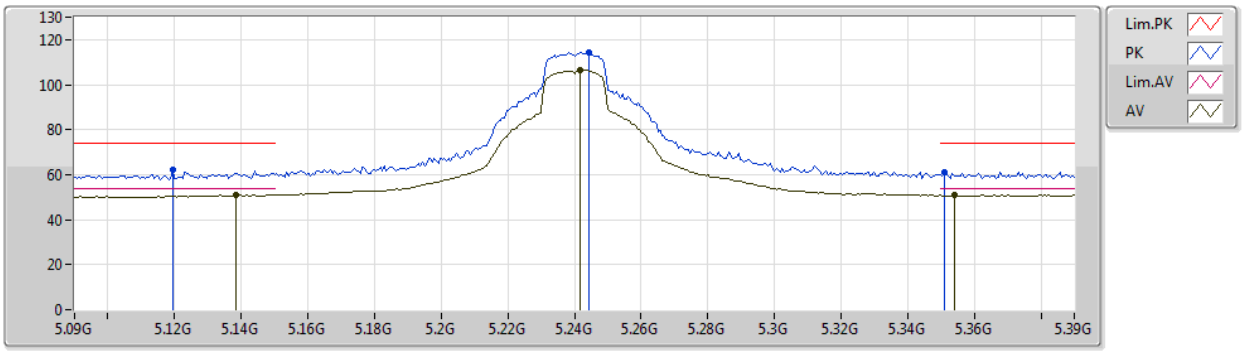


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.39292G	53.89	68.20	-14.31	14.29	3	Horizontal	253	1.36	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5240MHz_TX

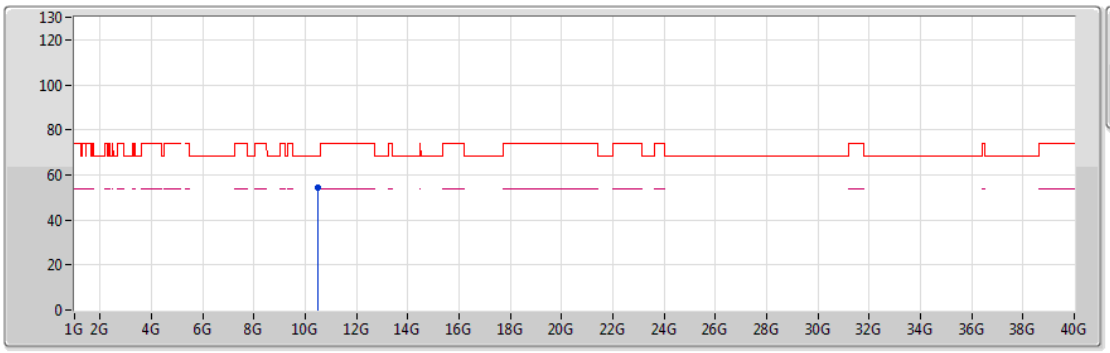


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1386G	51.14	54.00	-2.86	9.08	3	Vertical	197	1.50	-
AV	5.2418G	106.33	Inf	-Inf	9.24	3	Vertical	197	1.50	-
AV	5.354G	50.89	54.00	-3.11	9.52	3	Vertical	197	1.50	-
PK	5.1194G	61.95	74.00	-12.05	9.05	3	Vertical	197	1.50	-
PK	5.2442G	114.28	Inf	-Inf	9.24	3	Vertical	197	1.50	-
PK	5.351G	61.26	74.00	-12.74	9.51	3	Vertical	197	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX

05/03/2019

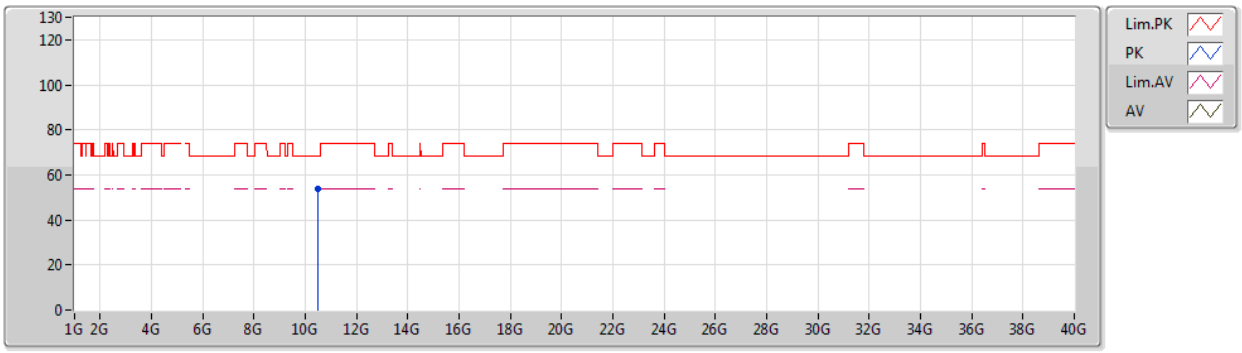


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.48138G	54.22	68.20	-13.98	14.37	3	Vertical	44	1.21	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX

05/03/2019

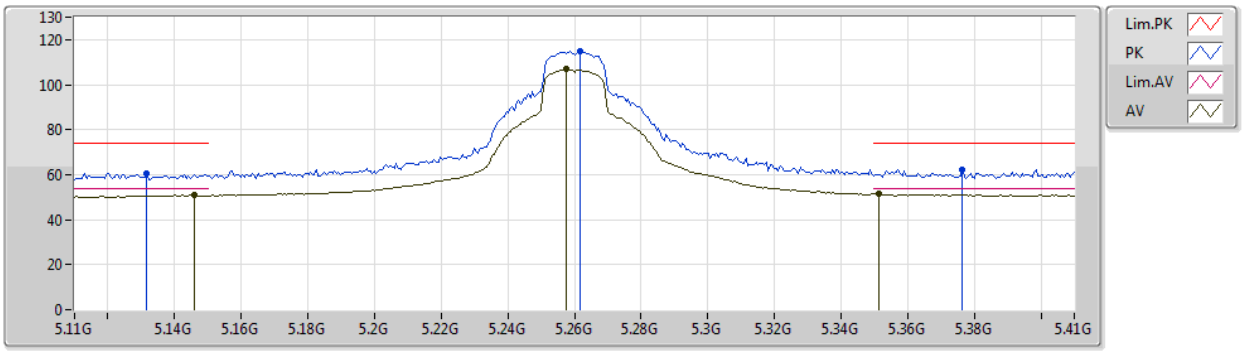


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.47886G	53.99	68.20	-14.21	14.36	3	Horizontal	10	1.64	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5260MHz_TX

05/03/2019

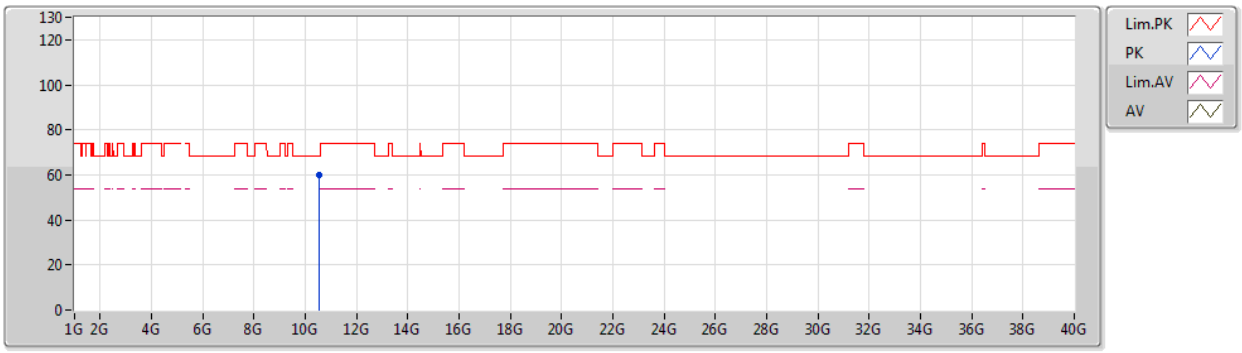


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.146G	50.76	54.00	-3.24	9.09	3	Vertical	198	1.73	-
AV	5.2576G	106.81	Inf	-Inf	9.29	3	Vertical	198	1.73	-
AV	5.3512G	51.29	54.00	-2.71	9.51	3	Vertical	198	1.73	-
PK	5.1316G	60.42	74.00	-13.58	9.08	3	Vertical	198	1.73	-
PK	5.2618G	114.94	Inf	-Inf	9.29	3	Vertical	198	1.73	-
PK	5.3764G	62.47	74.00	-11.53	9.58	3	Vertical	198	1.73	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5260MHz_TX

05/03/2019

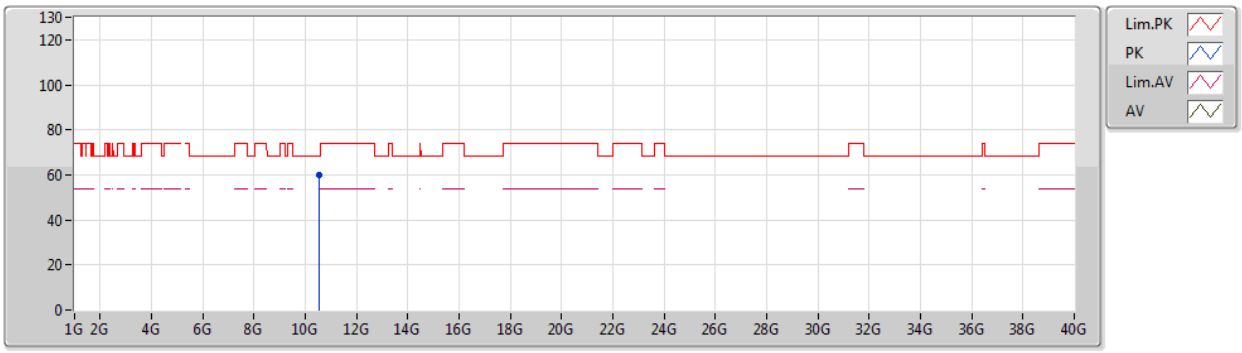


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.52444G	59.84	68.20	-8.36	14.40	3	Vertical	218	1.56	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5260MHz_TX

05/03/2019

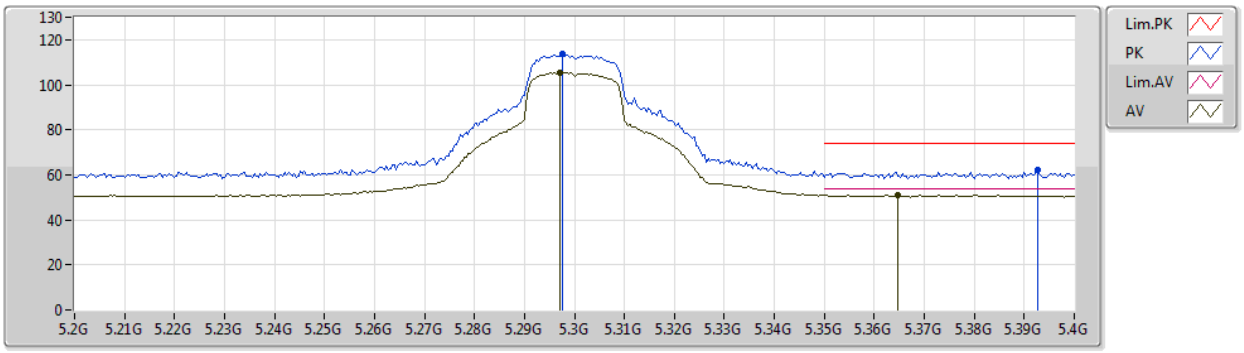


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.52438G	59.79	68.20	-8.41	14.40	3	Horizontal	134	2.47	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5300MHz_TX

05/03/2019

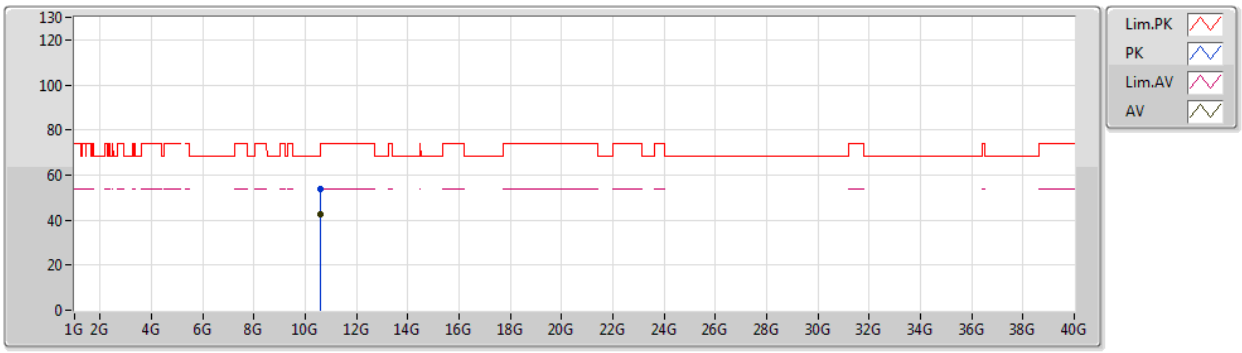


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.2972G	105.29	Inf	-Inf	9.38	3	Vertical	198	1.54	-
AV	5.3648G	50.96	54.00	-3.04	9.55	3	Vertical	198	1.54	-
PK	5.2976G	114.00	Inf	-Inf	9.38	3	Vertical	198	1.54	-
PK	5.3928G	62.17	74.00	-11.83	9.62	3	Vertical	198	1.54	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5300MHz_TX

05/03/2019

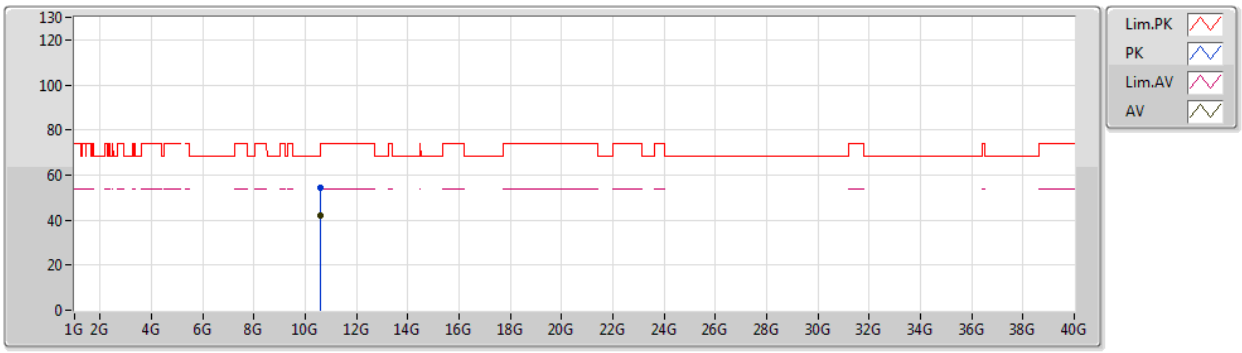


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.60852G	42.34	54.00	-11.66	14.48	3	Vertical	351	1.19	-
PK	10.60852G	54.00	74.00	-20.00	14.48	3	Vertical	351	1.19	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5300MHz_TX

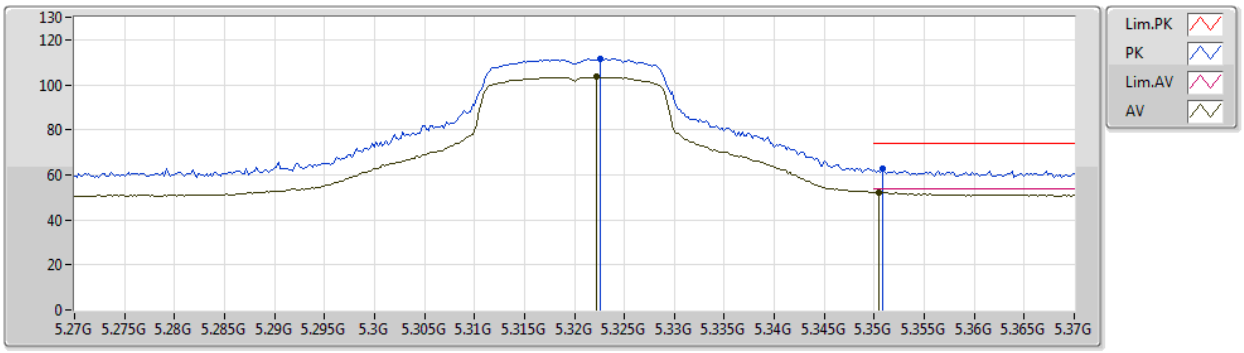


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.60804G	42.25	54.00	-11.75	14.47	3	Horizontal	35	1.60	-
PK	10.60804G	54.13	74.00	-19.87	14.47	3	Horizontal	35	1.60	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5320MHz_TX

05/03/2019

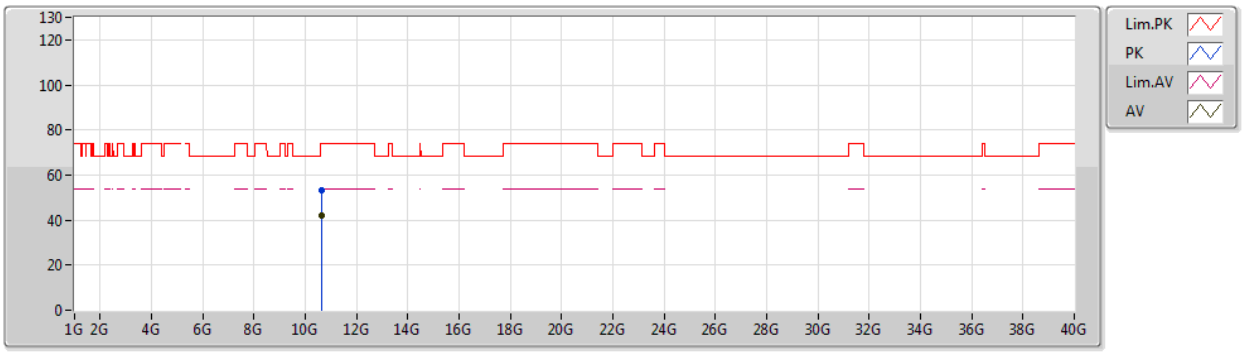


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3222G	103.39	Inf	-Inf	9.44	3	Vertical	197	1.50	-
AV	5.3504G	52.26	54.00	-1.74	9.51	3	Vertical	197	1.50	-
PK	5.3226G	111.75	Inf	-Inf	9.44	3	Vertical	197	1.50	-
PK	5.3508G	62.64	74.00	-11.36	9.51	3	Vertical	197	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5320MHz_TX

05/03/2019

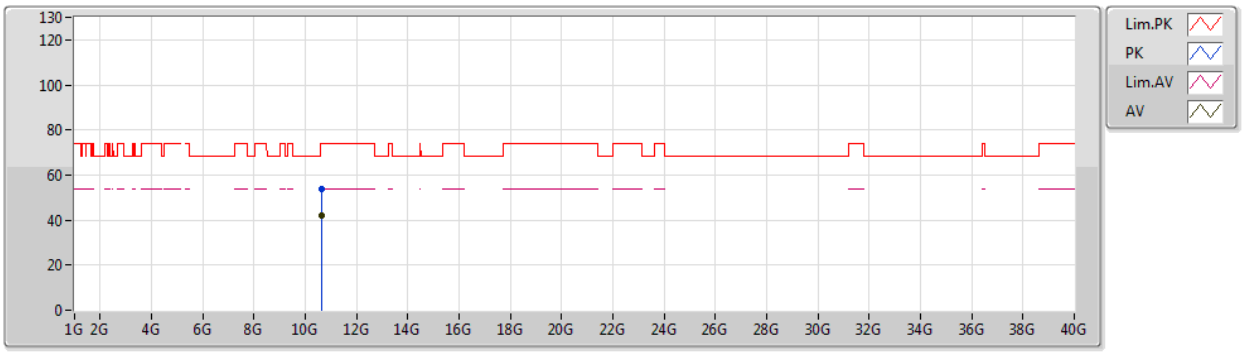


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.64966G	42.11	54.00	-11.89	14.51	3	Vertical	97	1.13	-
PK	10.63988G	53.51	74.00	-20.49	14.49	3	Vertical	97	1.13	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5320MHz_TX

05/03/2019

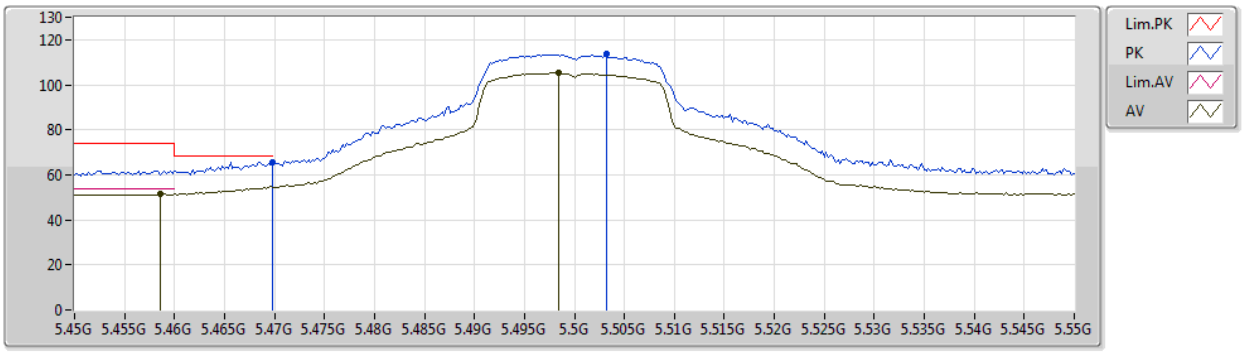


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.62656G	42.06	54.00	-11.94	14.50	3	Horizontal	225	1.22	-
PK	10.628G	53.53	74.00	-20.47	14.50	3	Horizontal	225	1.22	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5500MHz_TX

05/03/2019

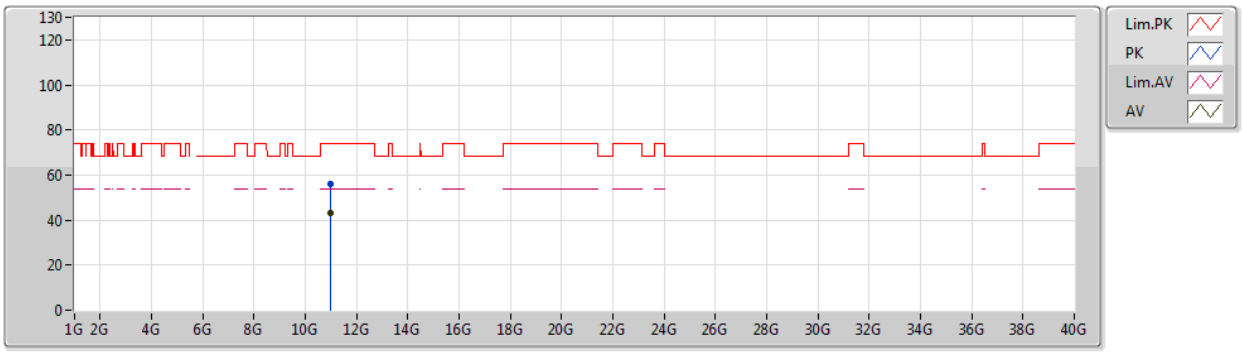


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4586G	51.36	54.00	-2.64	9.76	3	Vertical	180	1.78	-
AV	5.4984G	105.27	Inf	-Inf	9.84	3	Vertical	180	1.78	-
PK	5.4698G	65.81	68.20	-2.39	9.78	3	Vertical	180	1.78	-
PK	5.5032G	113.73	Inf	-Inf	9.84	3	Vertical	180	1.78	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5500MHz_TX

05/03/2019

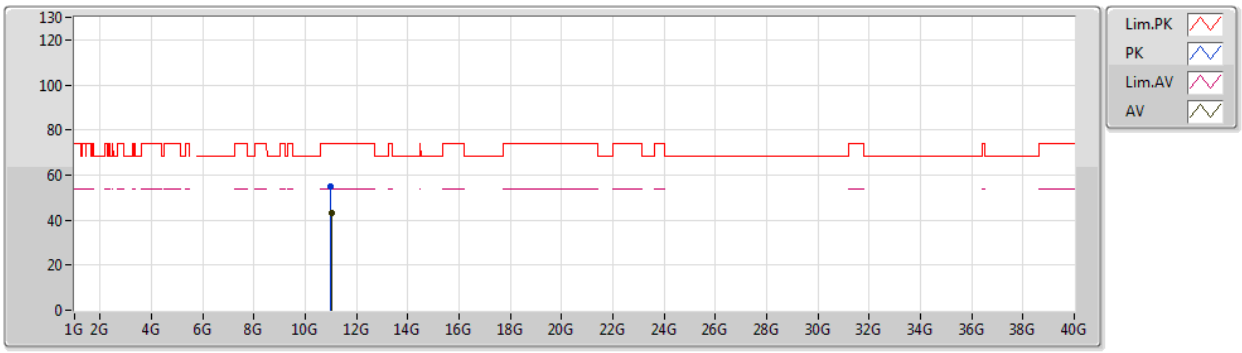


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.99538G	43.14	54.00	-10.86	14.81	3	Vertical	41	1.45	-
PK	11.00024G	55.82	74.00	-18.18	14.81	3	Vertical	41	1.45	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5500MHz_TX

05/03/2019

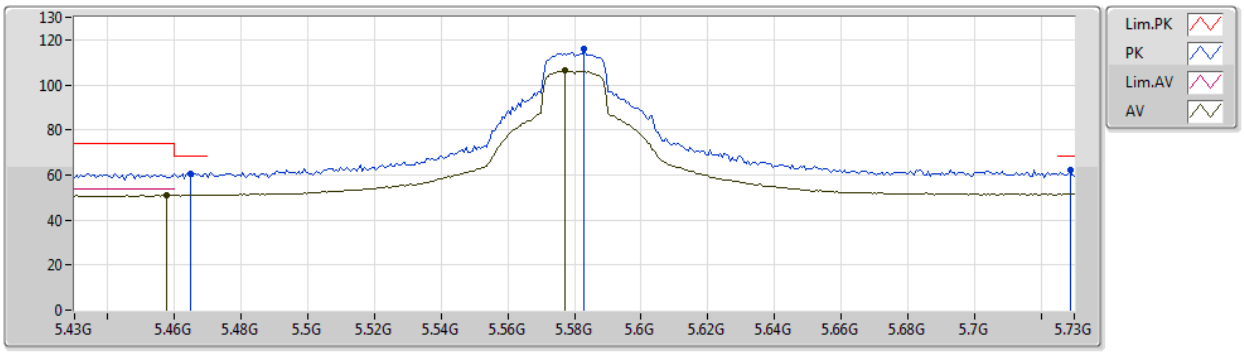


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.01212G	43.18	54.00	-10.82	14.83	3	Horizontal	206	2.11	-
PK	10.985G	54.72	74.00	-19.28	14.79	3	Horizontal	206	2.11	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5580MHz_TX

05/03/2019

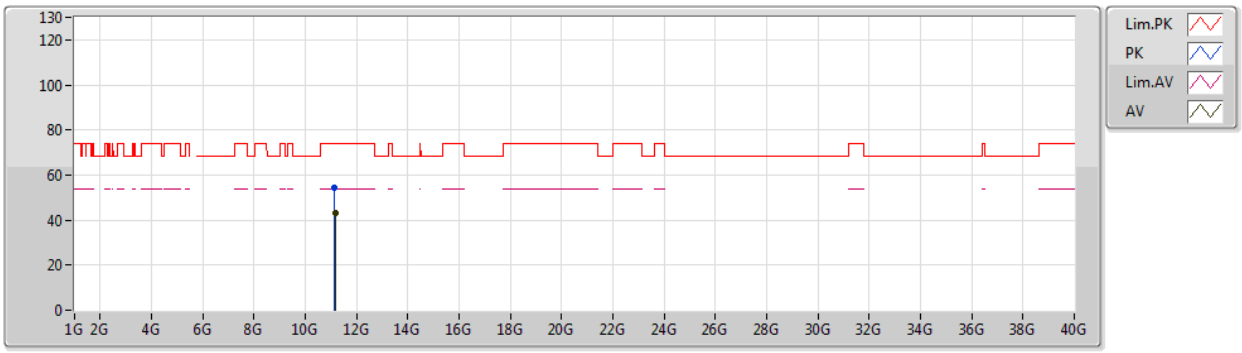


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4576G	50.95	54.00	-3.05	9.76	3	Vertical	180	1.49	-
AV	5.577G	106.20	Inf	-Inf	9.93	3	Vertical	180	1.49	-
PK	5.4648G	60.78	68.20	-7.42	9.78	3	Vertical	180	1.49	-
PK	5.583G	115.87	Inf	-Inf	9.95	3	Vertical	180	1.49	-
PK	5.7288G	61.95	68.20	-6.25	10.16	3	Vertical	180	1.49	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5580MHz_TX

05/03/2019

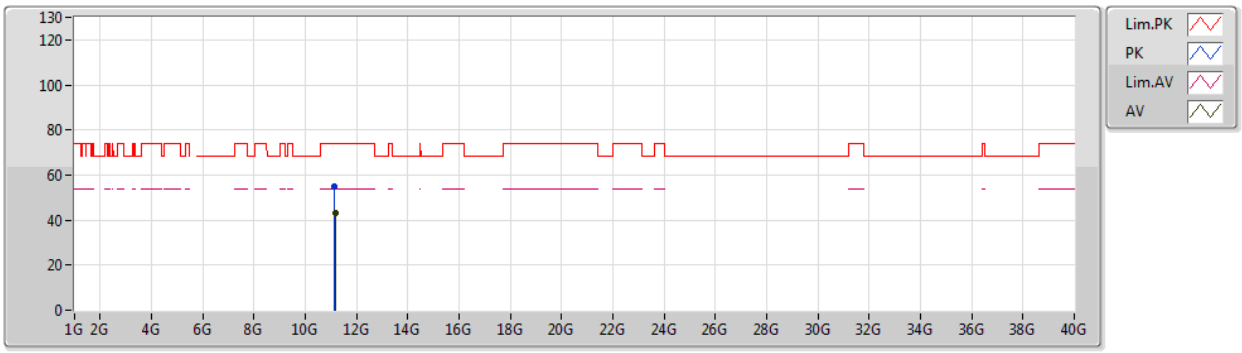


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.16114G	43.32	54.00	-10.68	15.09	3	Vertical	258	2.39	-
PK	11.15142G	54.41	74.00	-19.59	15.07	3	Vertical	258	2.39	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5580MHz_TX

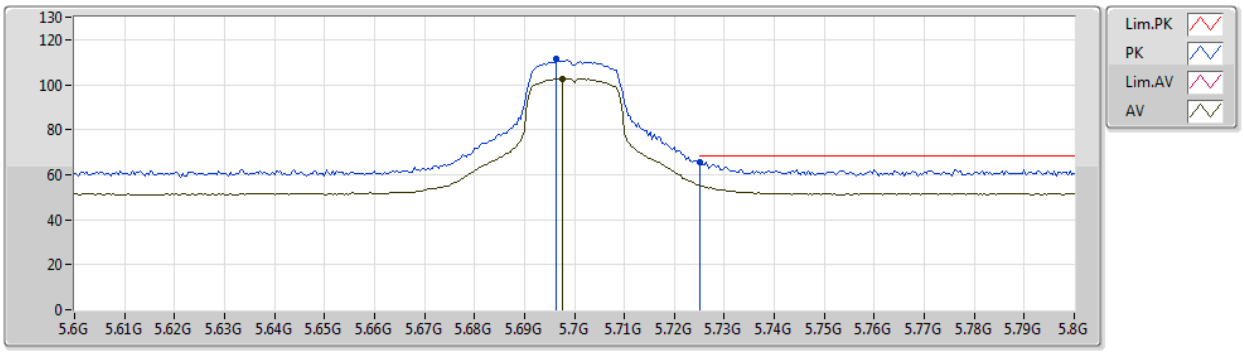


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.1738G	43.21	54.00	-10.79	15.10	3	Horizontal	226	1.44	-
PK	11.15232G	54.74	74.00	-19.26	15.07	3	Horizontal	226	1.44	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5700MHz_TX

05/03/2019

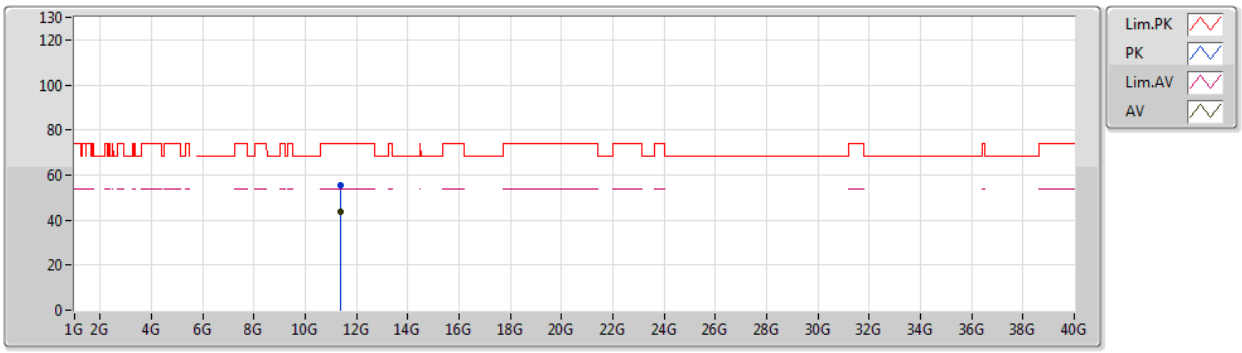


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.6976G	102.73	Inf	-Inf	10.11	3	Vertical	180	1.50	-
PK	5.6964G	111.72	Inf	-Inf	10.11	3	Vertical	180	1.50	-
PK	5.7252G	65.72	68.20	-2.48	10.15	3	Vertical	180	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5700MHz_TX

05/03/2019

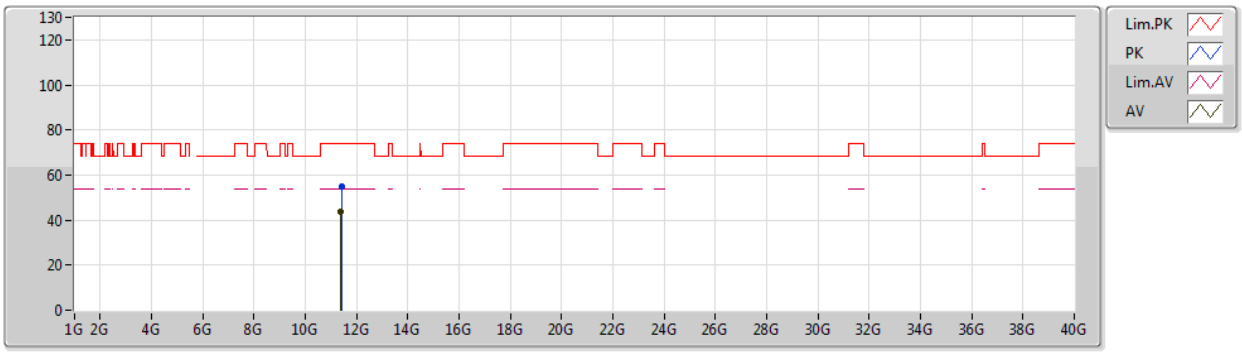


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.40054G	43.69	54.00	-10.31	15.50	3	Vertical	123	2.35	-
PK	11.39892G	55.72	74.00	-18.28	15.50	3	Vertical	123	2.35	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5700MHz_TX

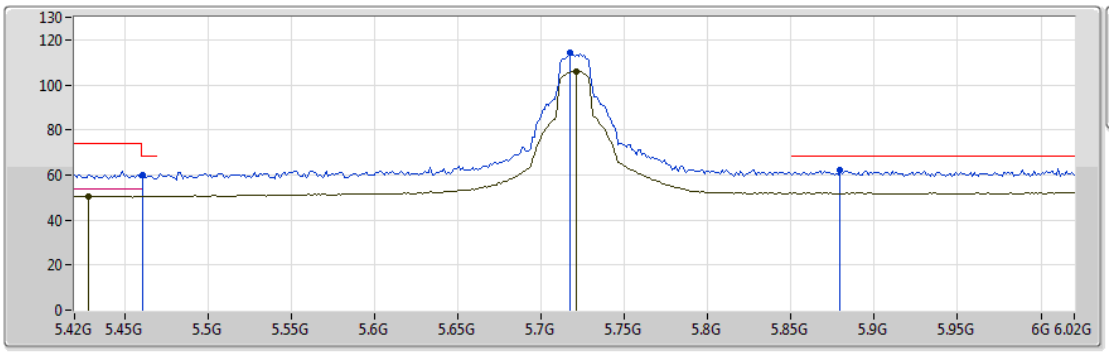


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.39814G	43.68	54.00	-10.32	15.50	3	Horizontal	78	1.21	-
PK	11.40498G	55.16	74.00	-18.84	15.50	3	Horizontal	78	1.21	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5720MHz Straddle 5.47-5.725GHz_TX

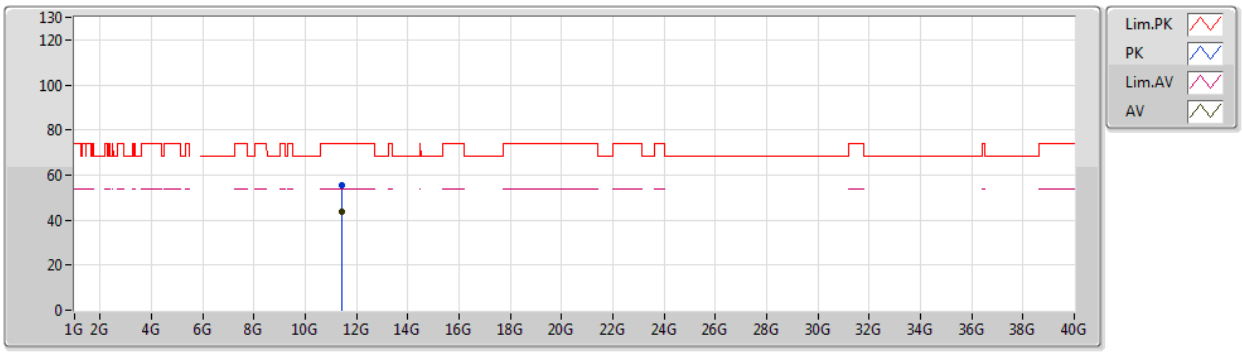


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4284G	50.64	54.00	-3.36	9.69	3	Vertical	180	1.58	-
AV	5.7212G	105.96	Inf	-Inf	10.15	3	Vertical	180	1.58	-
PK	5.4608G	59.79	68.20	-8.41	9.76	3	Vertical	180	1.58	-
PK	5.7176G	114.23	Inf	-Inf	10.13	3	Vertical	180	1.58	-
PK	5.8796G	62.07	68.20	-6.13	10.38	3	Vertical	180	1.58	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5720MHz Straddle 5.47-5.725GHz_TX

05/03/2019

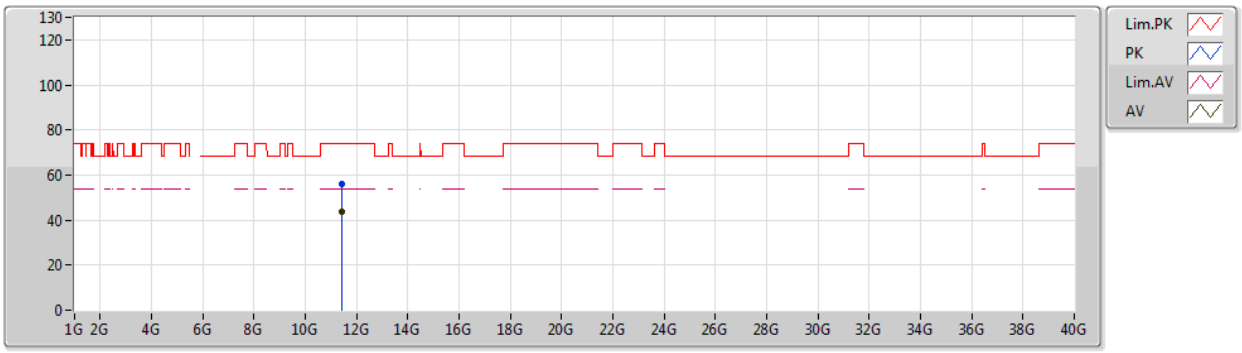


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.4262G	43.67	54.00	-10.33	15.55	3	Vertical	12	1.14	-
PK	11.43742G	55.25	74.00	-18.75	15.56	3	Vertical	12	1.14	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5720MHz Straddle 5.47-5.725GHz_TX

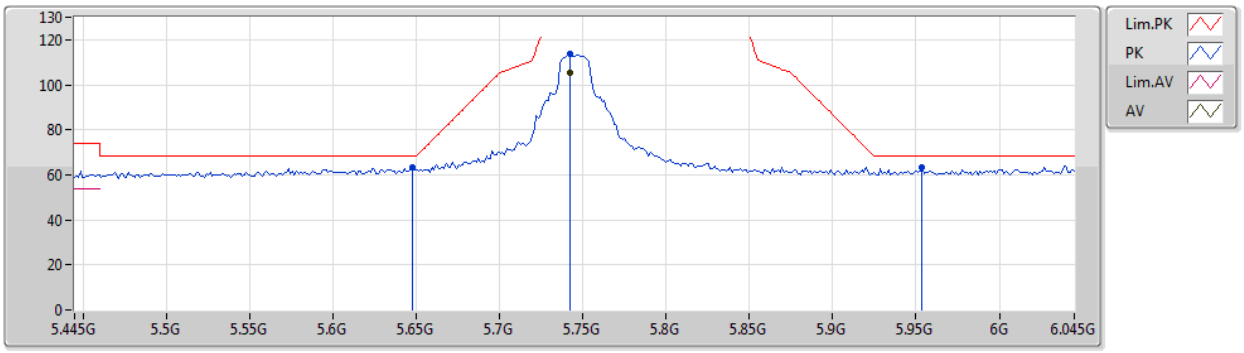


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.44558G	43.68	54.00	-10.32	15.58	3	Horizontal	343	2.22	-
PK	11.45068G	55.91	74.00	-18.09	15.58	3	Horizontal	343	2.22	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5745MHz_TX

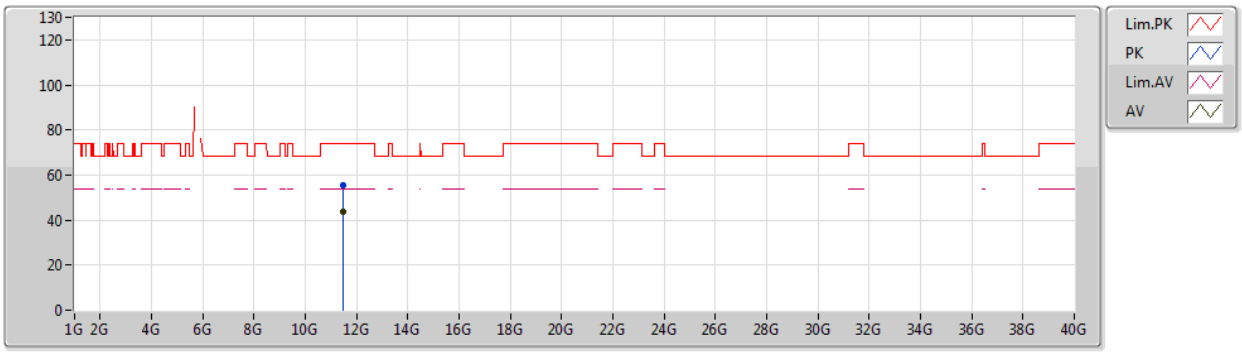


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7426G	105.34	Inf	-Inf	10.17	3	Vertical	180	1.50	-
PK	5.6478G	63.08	68.20	-5.12	10.04	3	Vertical	180	1.50	-
PK	5.7426G	113.53	Inf	-Inf	10.17	3	Vertical	180	1.50	-
PK	5.9538G	63.42	68.20	-4.78	10.48	3	Vertical	180	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5745MHz_TX

05/03/2019

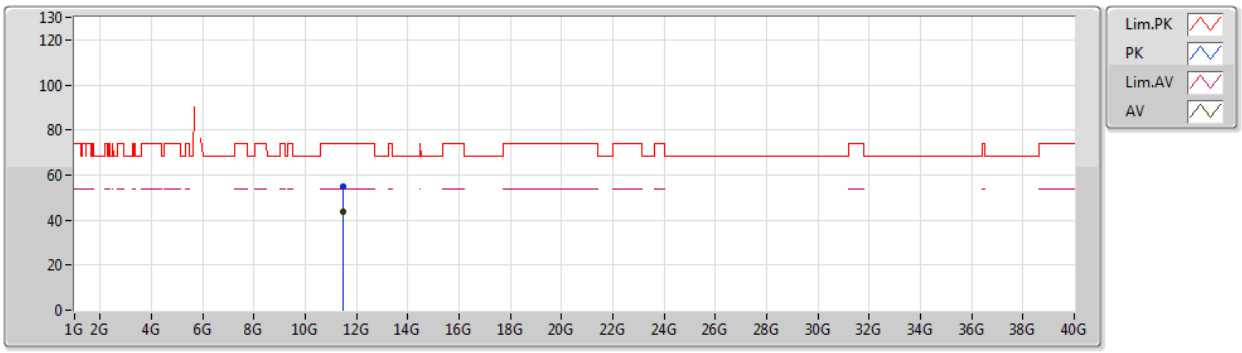


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.48706G	43.51	54.00	-10.49	15.65	3	Vertical	326	2.38	-
PK	11.47914G	55.37	74.00	-18.63	15.64	3	Vertical	326	2.38	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5745MHz_TX

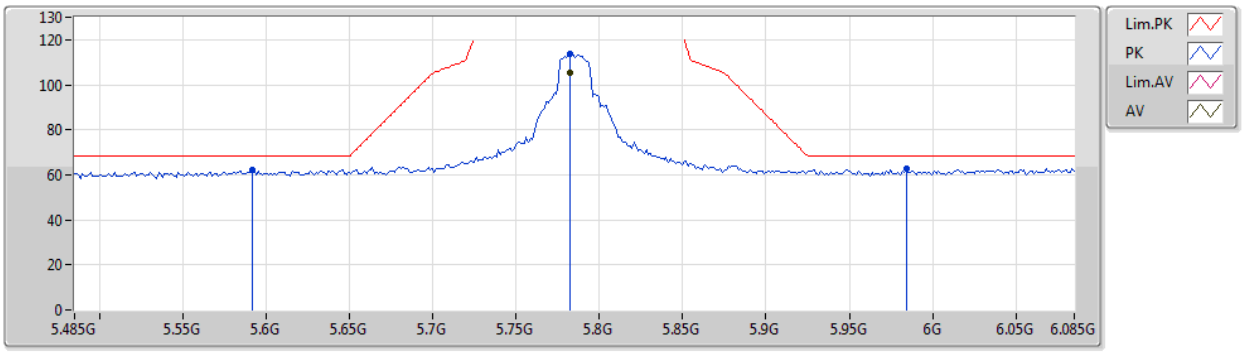


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.49348G	43.53	54.00	-10.47	15.66	3	Horizontal	193	1.36	-
PK	11.47962G	54.65	74.00	-19.35	15.64	3	Horizontal	193	1.36	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5785MHz_TX

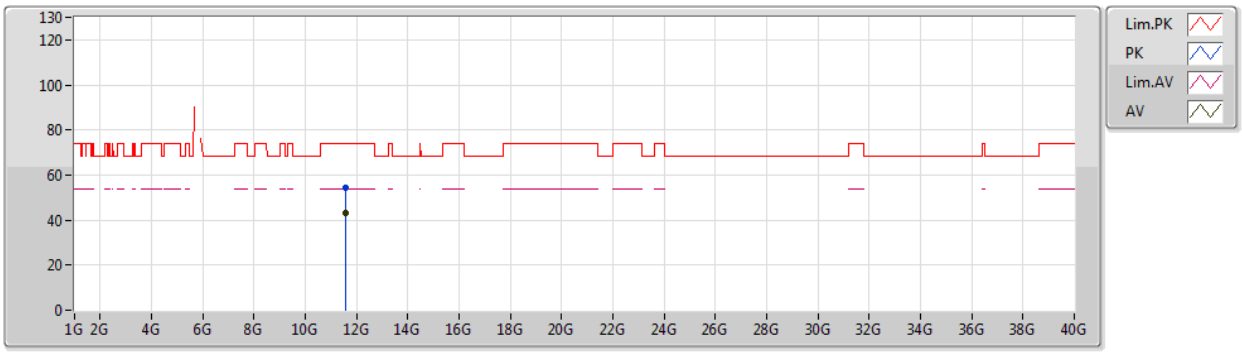


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7826G	105.60	Inf	-Inf	10.24	3	Vertical	179	1.78	-
PK	5.5918G	62.00	68.20	-6.20	9.94	3	Vertical	179	1.78	-
PK	5.7826G	113.91	Inf	-Inf	10.24	3	Vertical	179	1.78	-
PK	5.9842G	62.53	68.20	-5.67	10.52	3	Vertical	179	1.78	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5785MHz_TX

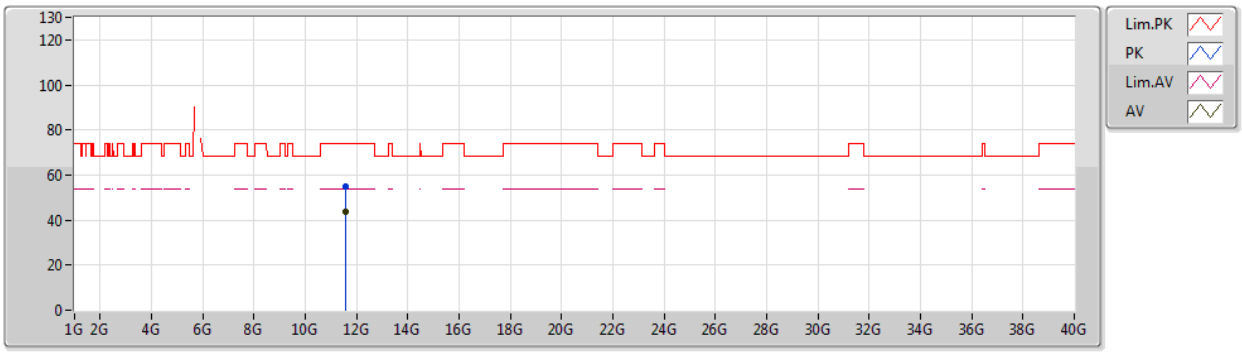


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.58404G	43.38	54.00	-10.62	15.85	3	Vertical	103	1.93	-
PK	11.55992G	54.58	74.00	-19.42	15.80	3	Vertical	103	1.93	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5785MHz_TX

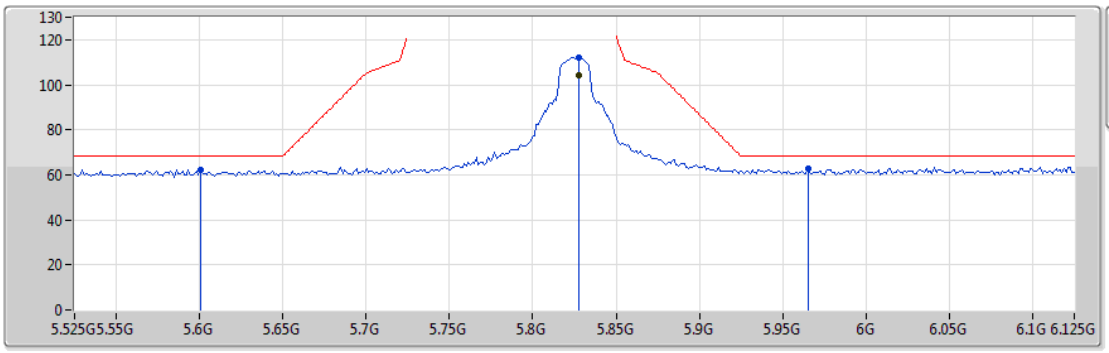


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.57504G	43.43	54.00	-10.57	15.84	3	Horizontal	73	1.98	-
PK	11.56682G	54.89	74.00	-19.11	15.81	3	Horizontal	73	1.98	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5825MHz_TX

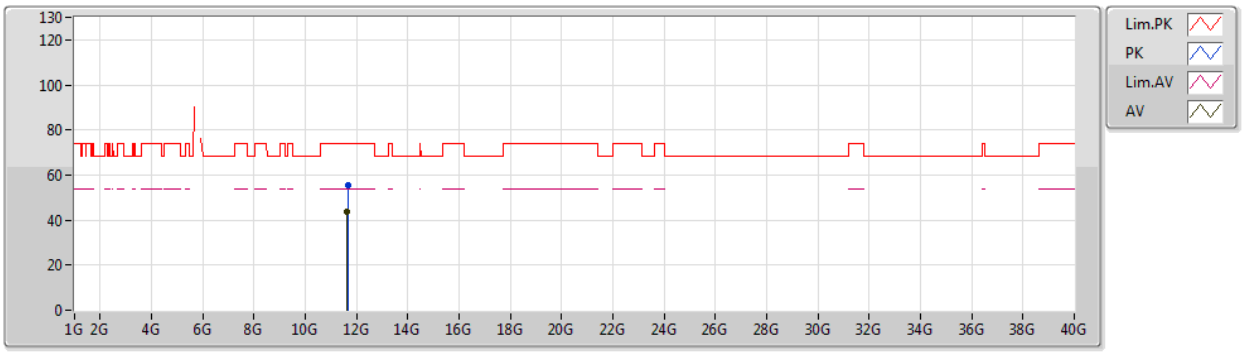


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.8274G	104.00	Inf	-Inf	10.30	3	Vertical	179	1.49	-
PK	5.6006G	62.24	68.20	-5.96	9.96	3	Vertical	179	1.49	-
PK	5.8274G	111.93	Inf	-Inf	10.30	3	Vertical	179	1.49	-
PK	5.9654G	62.61	68.20	-5.59	10.50	3	Vertical	179	1.49	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5825MHz_TX

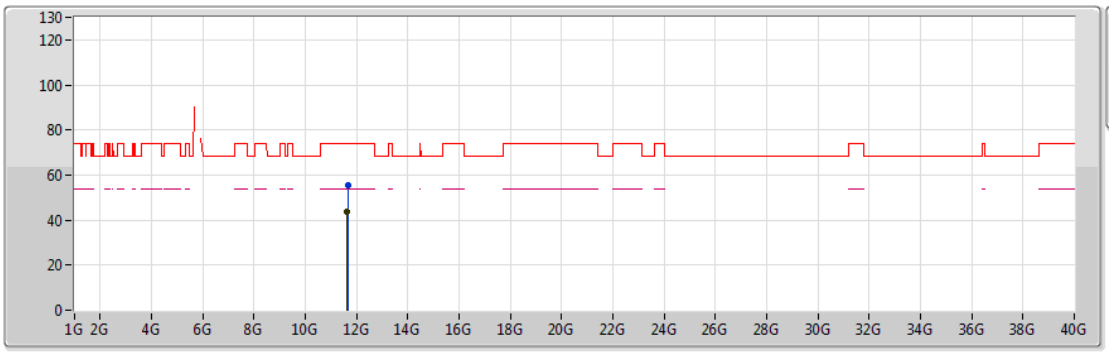


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.63812G	43.68	54.00	-10.32	15.96	3	Vertical	142	1.77	-
PK	11.65948G	55.48	74.00	-18.52	16.01	3	Vertical	142	1.77	-

802.11ac VHT20_Nss1,(MCS0)_1TX

05/03/2019

5825MHz_TX

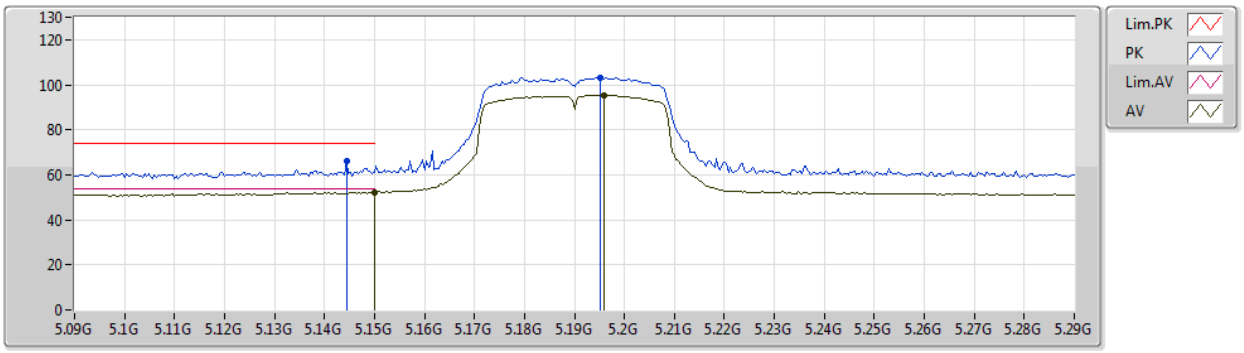


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.64412G	43.58	54.00	-10.42	15.98	3	Horizontal	236	1.22	-
PK	11.665G	55.32	74.00	-18.68	16.02	3	Horizontal	236	1.22	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5190MHz_TX

05/03/2019

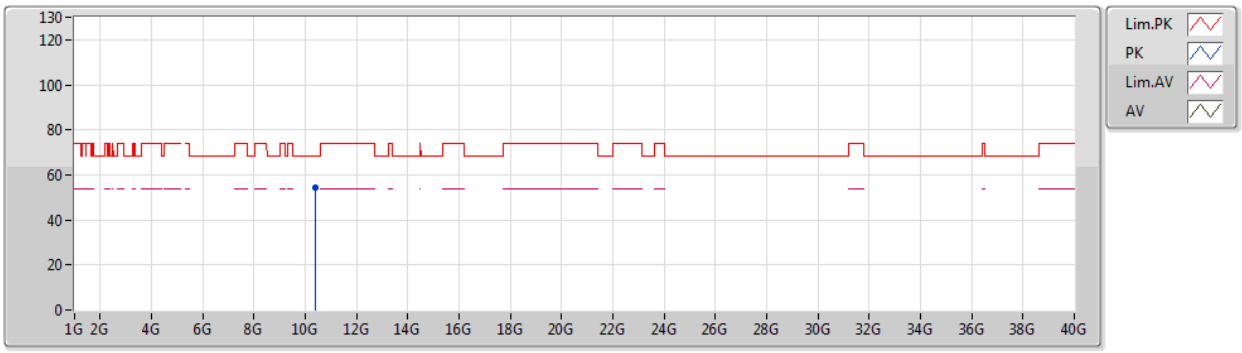


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	52.38	54.00	-1.62	9.09	3	Vertical	194	1.76	-
AV	5.196G	95.42	Inf	-Inf	9.14	3	Vertical	194	1.76	-
PK	5.1444G	66.01	74.00	-7.99	9.08	3	Vertical	194	1.76	-
PK	5.1952G	103.29	Inf	-Inf	9.13	3	Vertical	194	1.76	-

802.11ac VHT40_Nss1,(MCS0)_1TX

05/03/2019

5190MHz_TX

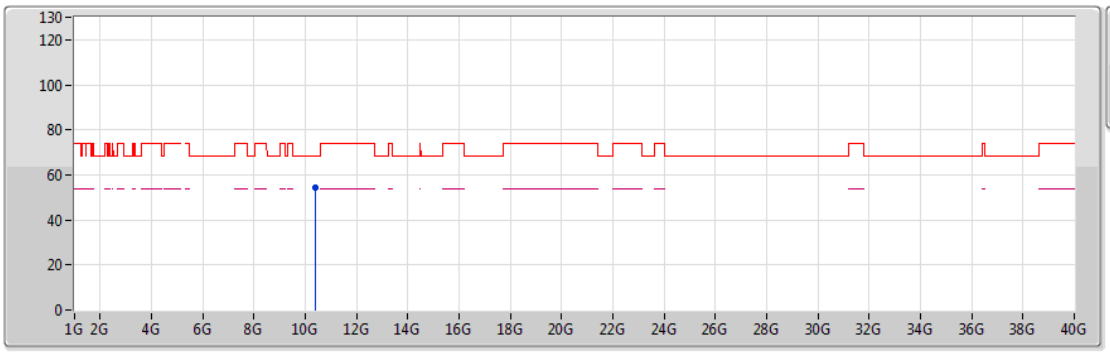


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.3857G	54.54	68.20	-13.66	14.28	3	Vertical	152	1.43	-

802.11ac VHT40_Nss1,(MCS0)_1TX

05/03/2019

5190MHz_TX

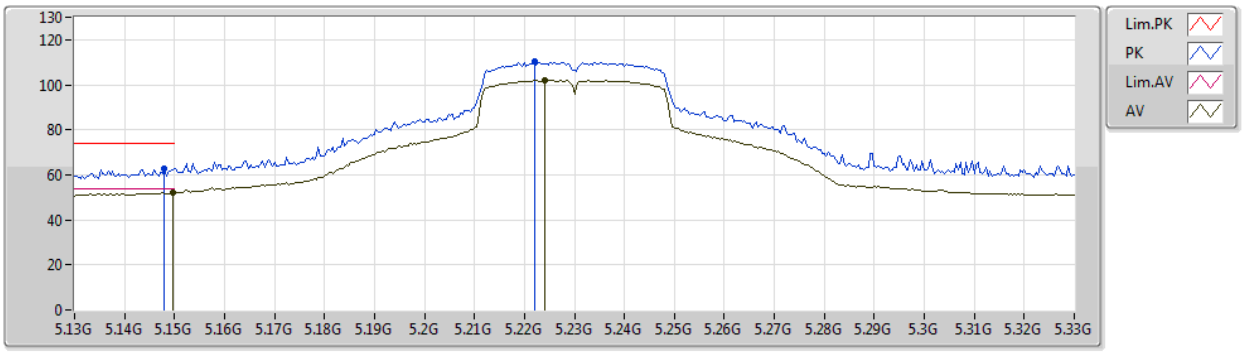


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.37142G	54.39	68.20	-13.81	14.26	3	Horizontal	143	1.23	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5230MHz_TX

05/03/2019

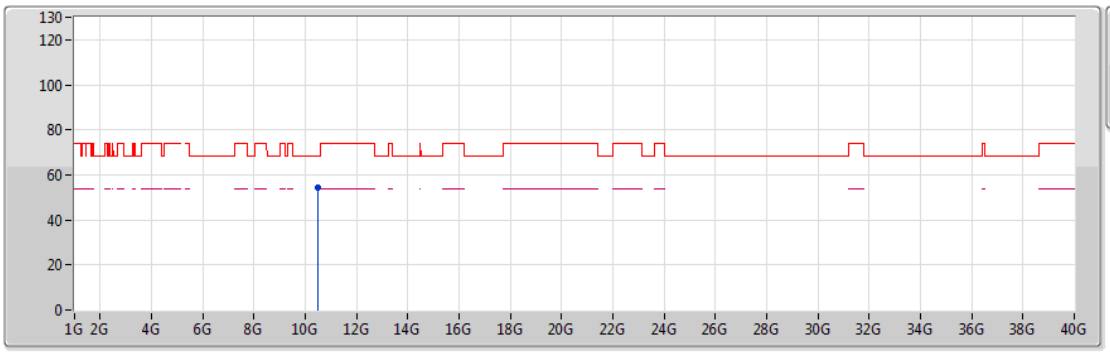


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1496G	51.99	54.00	-2.01	9.09	3	Vertical	198	1.46	-
AV	5.224G	102.12	Inf	-Inf	9.20	3	Vertical	198	1.46	-
PK	5.148G	62.61	74.00	-11.39	9.09	3	Vertical	198	1.46	-
PK	5.222G	110.12	Inf	-Inf	9.20	3	Vertical	198	1.46	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5230MHz_TX

05/03/2019

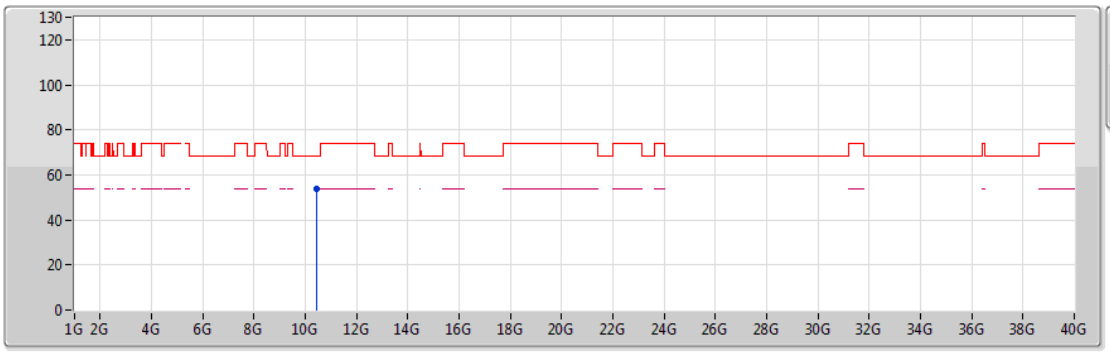


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4678G	54.18	68.20	-14.02	14.35	3	Vertical	243	2.39	-

802.11ac VHT40_Nss1,(MCS0)_1TX

05/03/2019

5230MHz_TX

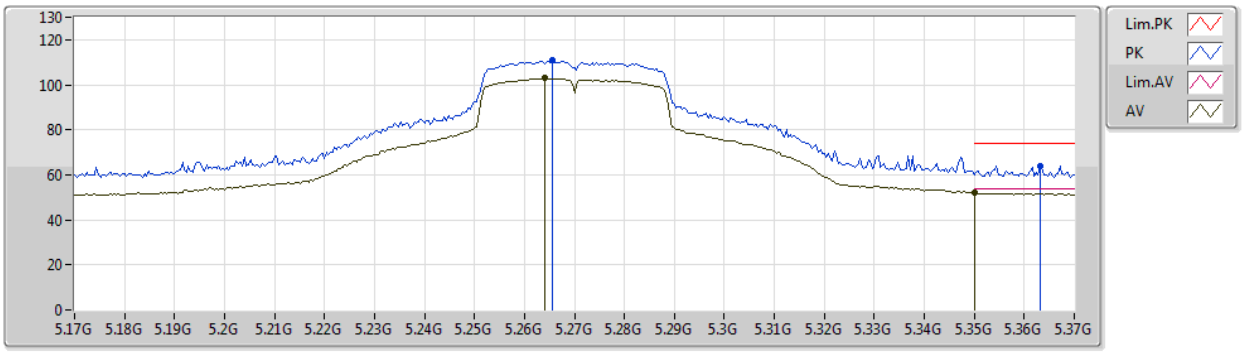


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.45694G	54.02	68.20	-14.18	14.33	3	Horizontal	32	1.43	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5270MHz_TX

05/03/2019

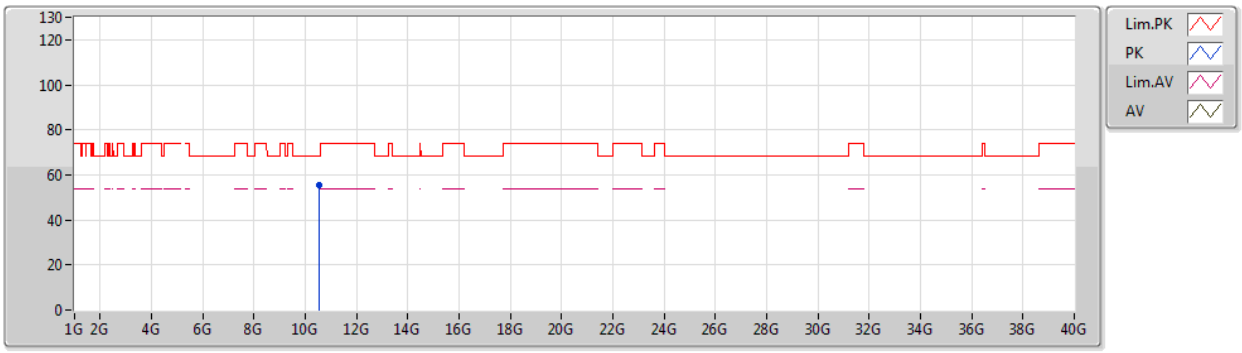


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.264G	102.89	Inf	-Inf	9.30	3	Vertical	196	1.67	-
AV	5.35G	51.87	54.00	-2.13	9.51	3	Vertical	196	1.67	-
PK	5.2656G	110.89	Inf	-Inf	9.31	3	Vertical	196	1.67	-
PK	5.3632G	64.07	74.00	-9.93	9.55	3	Vertical	196	1.67	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5270MHz_TX

05/03/2019

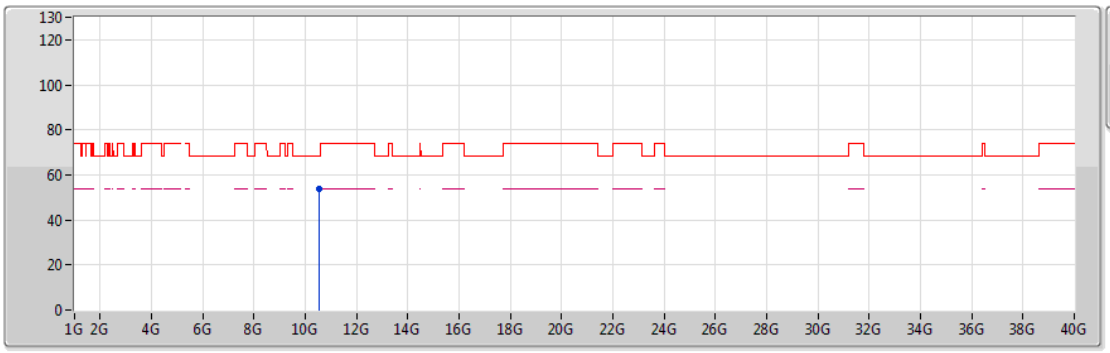


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.53544G	55.68	68.20	-12.52	14.41	3	Vertical	151	1.46	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5270MHz_TX

05/03/2019

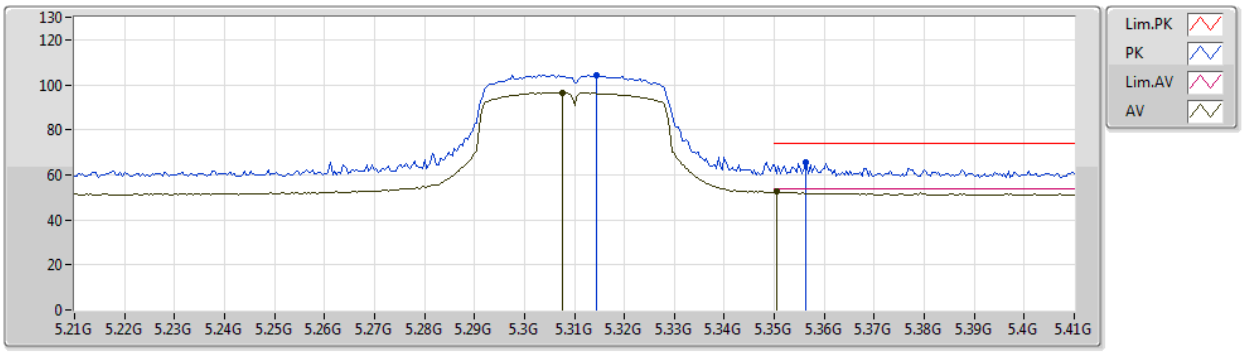


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.54324G	54.01	68.20	-14.19	14.43	3	Horizontal	232	1.38	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5310MHz_TX

05/03/2019

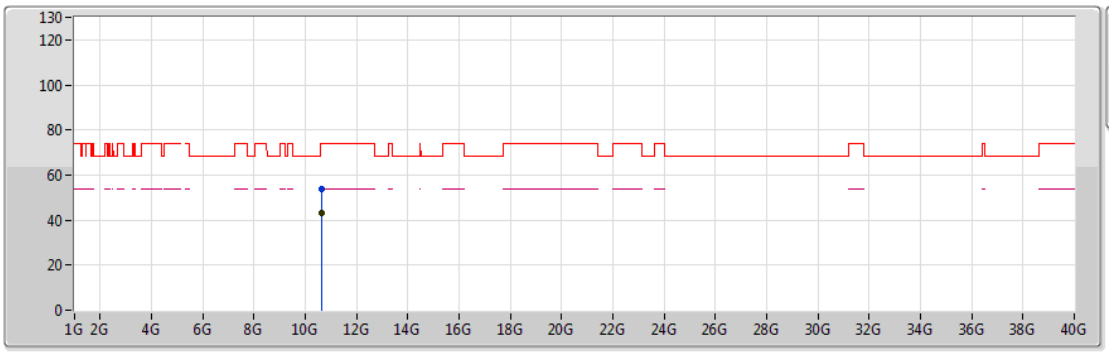


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3076G	96.49	Inf	-Inf	9.40	3	Vertical	193	1.91	-
AV	5.3504G	52.44	54.00	-1.56	9.51	3	Vertical	193	1.91	-
PK	5.3144G	104.13	Inf	-Inf	9.42	3	Vertical	193	1.91	-
PK	5.3564G	65.60	74.00	-8.40	9.53	3	Vertical	193	1.91	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5310MHz_TX

05/03/2019

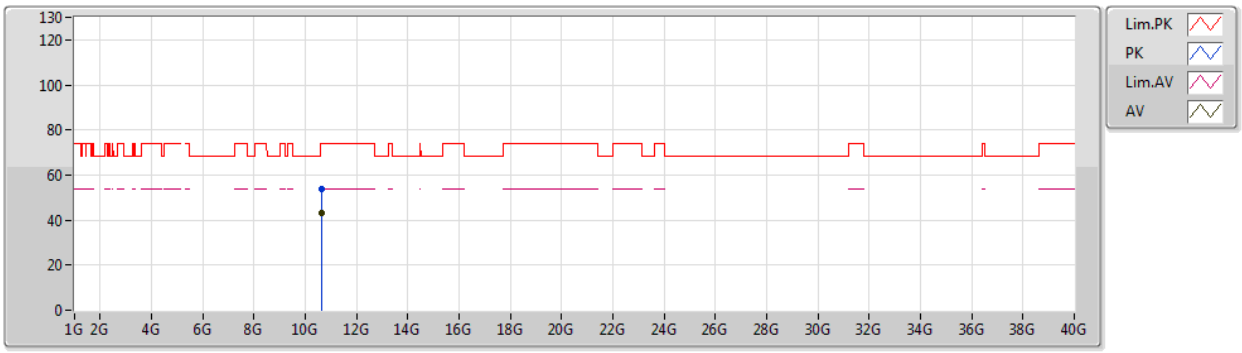


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.62858G	43.06	54.00	-10.94	14.50	3	Vertical	90	2.08	-
PK	10.62516G	53.66	74.00	-20.34	14.50	3	Vertical	90	2.08	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5310MHz_TX

05/03/2019

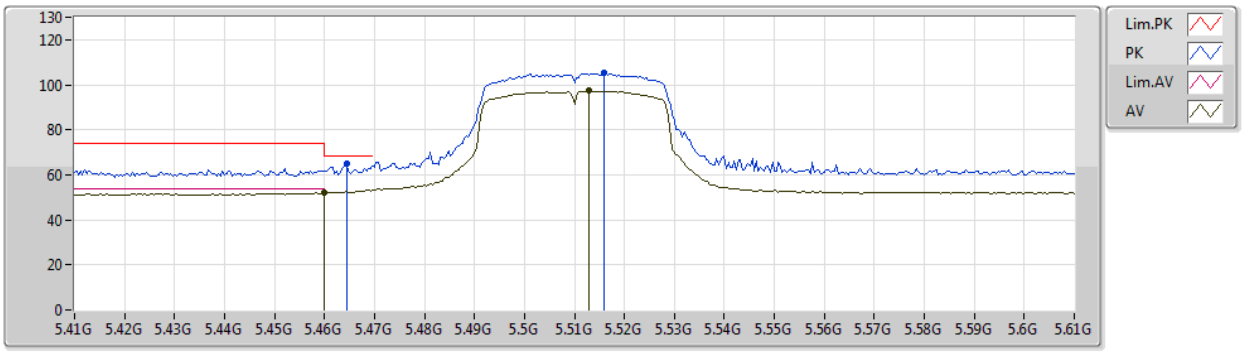


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.61568G	43.04	54.00	-10.96	14.48	3	Horizontal	27	1.65	-
PK	10.62582G	54.03	74.00	-19.97	14.50	3	Horizontal	27	1.65	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5510MHz_TX

05/03/2019

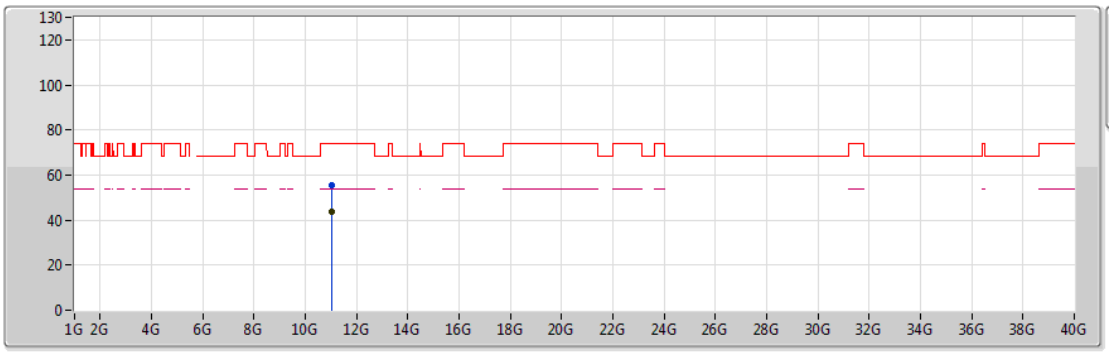


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.46G	52.12	54.00	-1.88	9.76	3	Vertical	180	1.39	-
AV	5.5128G	97.29	Inf	-Inf	9.86	3	Vertical	180	1.39	-
PK	5.4644G	64.95	68.20	-3.25	9.78	3	Vertical	180	1.39	-
PK	5.516G	105.39	Inf	-Inf	9.86	3	Vertical	180	1.39	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5510MHz_TX

05/03/2019

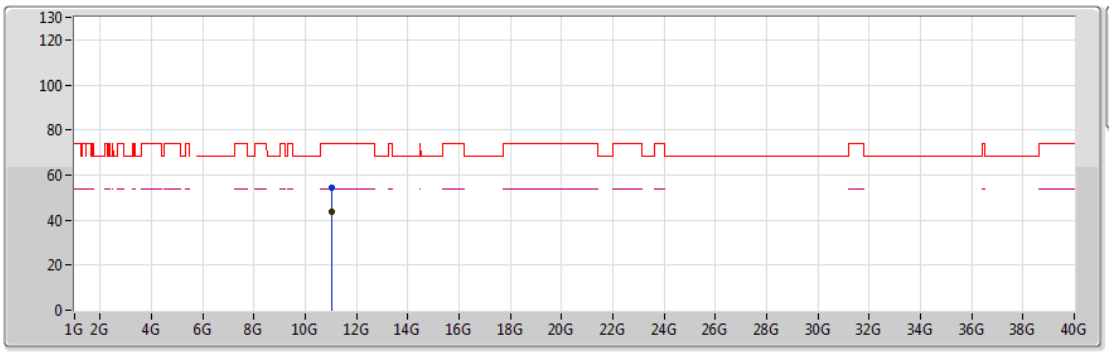


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.02198G	43.81	54.00	-10.19	14.84	3	Vertical	130	1.60	-
PK	11.01808G	55.30	74.00	-18.70	14.84	3	Vertical	130	1.60	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5510MHz_TX

05/03/2019

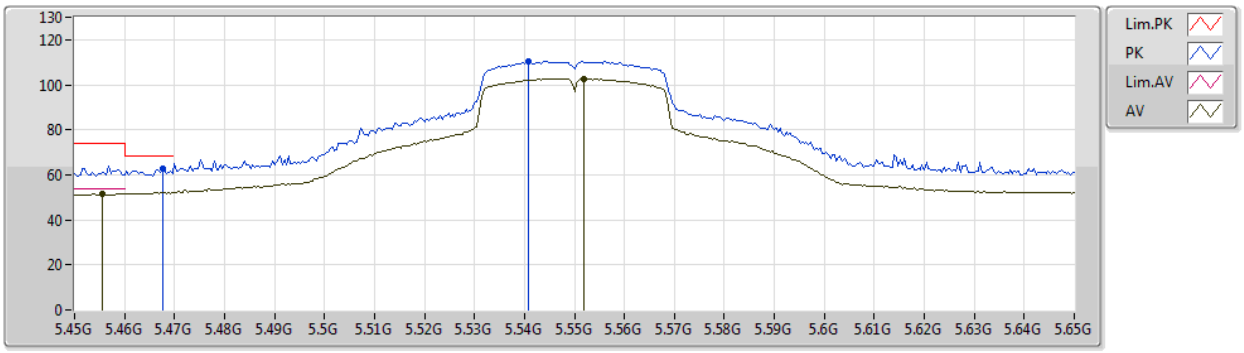


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.01538G	43.88	54.00	-10.12	14.84	3	Horizontal	186	1.32	-
PK	11.03368G	54.17	74.00	-19.83	14.86	3	Horizontal	186	1.32	-

802.11ac VHT40_Nss1,(MCS0)_1TX

05/03/2019

5550MHz_TX

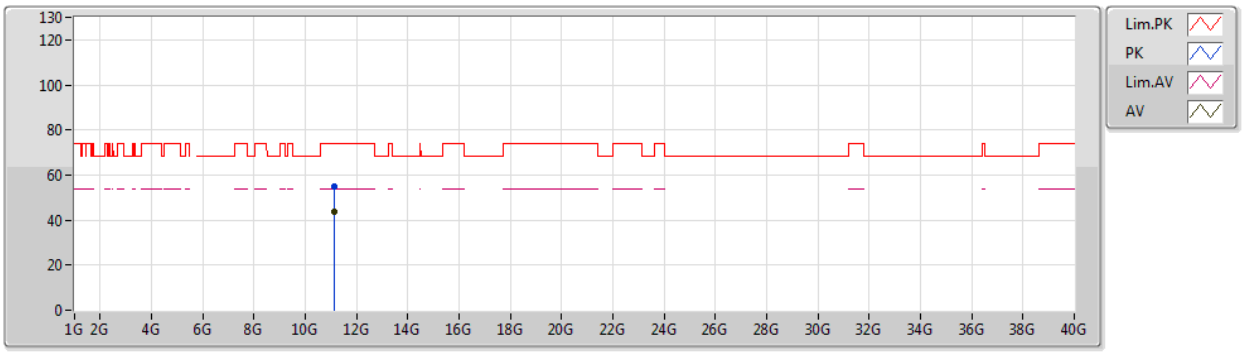


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4556G	51.57	54.00	-2.43	9.76	3	Vertical	180	1.46	-
AV	5.552G	102.65	Inf	-Inf	9.90	3	Vertical	180	1.46	-
PK	5.4676G	62.50	68.20	-5.70	9.78	3	Vertical	180	1.46	-
PK	5.5408G	110.51	Inf	-Inf	9.89	3	Vertical	180	1.46	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5550MHz_TX

05/03/2019

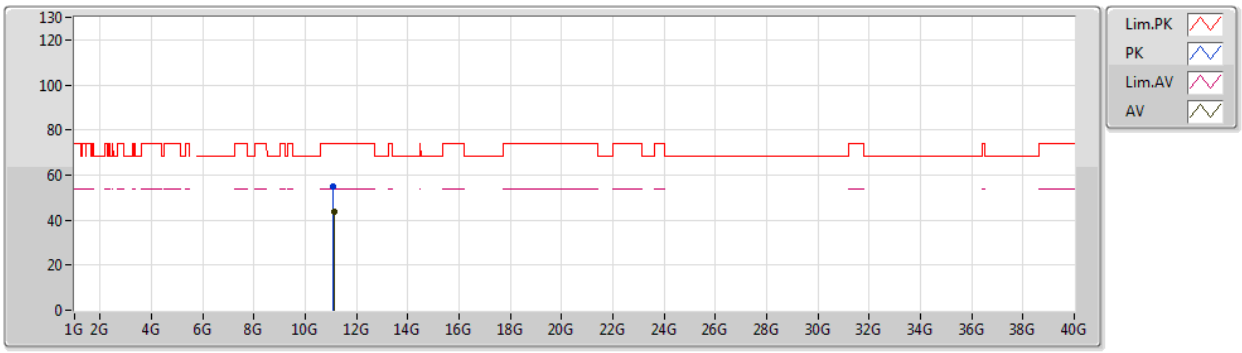


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.10834G	43.91	54.00	-10.09	15.00	3	Vertical	199	2.40	-
PK	11.10936G	54.69	74.00	-19.31	15.00	3	Vertical	199	2.40	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5550MHz_TX

05/03/2019

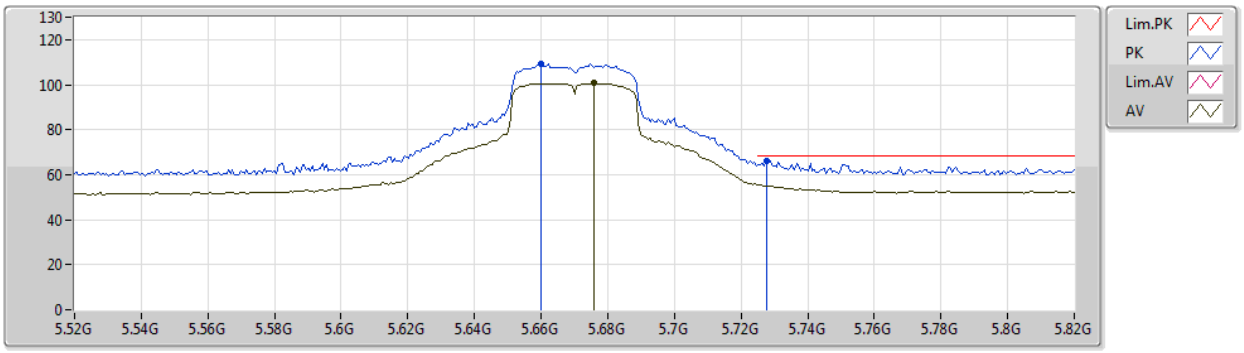


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.11044G	43.83	54.00	-10.17	15.00	3	Horizontal	281	2.00	-
PK	11.10012G	54.99	74.00	-19.01	14.98	3	Horizontal	281	2.00	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5670MHz_TX

05/03/2019

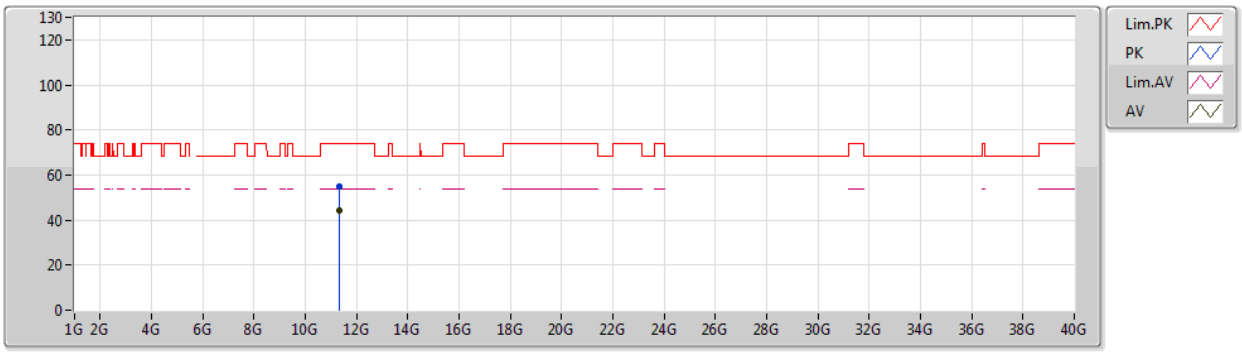


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.676G	100.70	Inf	-Inf	10.08	3	Vertical	200	1.50	-
PK	5.6598G	109.35	Inf	-Inf	10.05	3	Vertical	200	1.50	-
PK	5.7276G	66.25	68.20	-1.95	10.15	3	Vertical	200	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

05/03/2019

5670MHz_TX

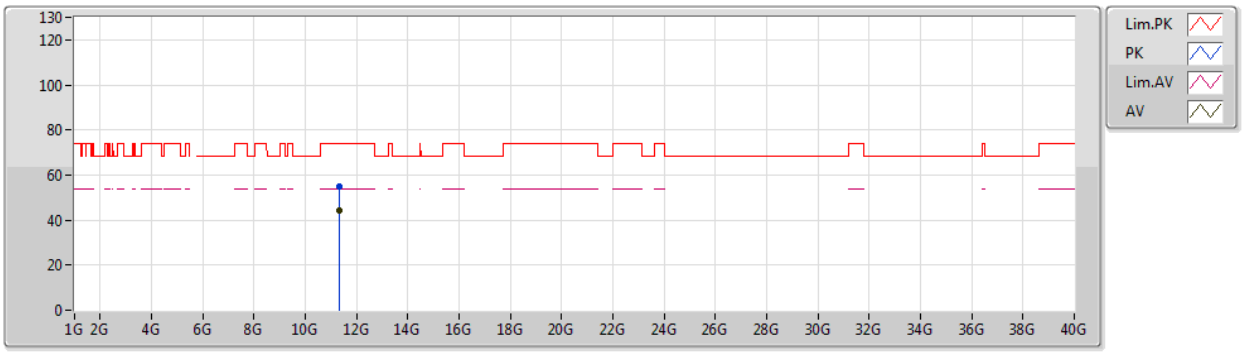


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.33964G	44.16	54.00	-9.84	15.39	3	Vertical	324	2.13	-
PK	11.32674G	54.91	74.00	-19.09	15.38	3	Vertical	324	2.13	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5670MHz_TX

05/03/2019

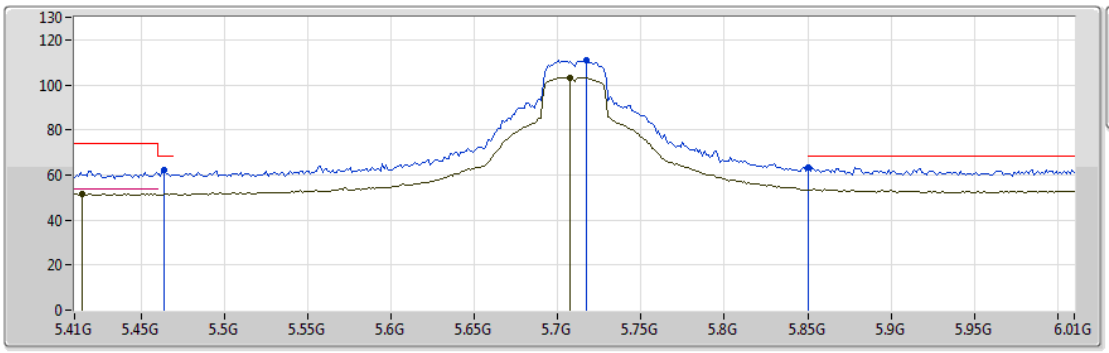


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.34228G	44.34	54.00	-9.66	15.40	3	Horizontal	254	1.34	-
PK	11.34564G	55.09	74.00	-18.91	15.41	3	Horizontal	254	1.34	-

802.11ac VHT40_Nss1,(MCS0)_1TX

05/03/2019

5710MHz Straddle 5.47-5.725GHz_TX

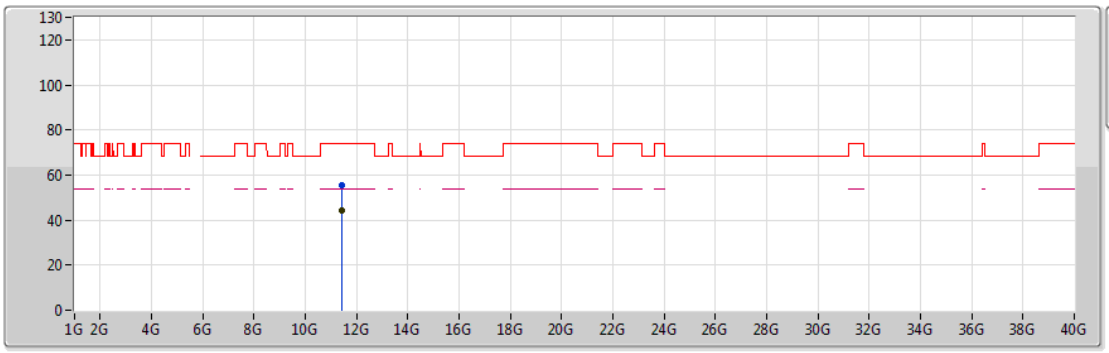


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4148G	51.80	54.00	-2.20	9.67	3	Vertical	180	1.50	-
AV	5.7076G	103.11	Inf	-Inf	10.13	3	Vertical	180	1.50	-
PK	5.464G	61.94	68.20	-6.26	9.77	3	Vertical	180	1.50	-
PK	5.7172G	110.76	Inf	-Inf	10.13	3	Vertical	180	1.50	-
PK	5.8504G	63.29	68.20	-4.91	10.33	3	Vertical	180	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

05/03/2019

5710MHz Straddle 5.47-5.725GHz_TX

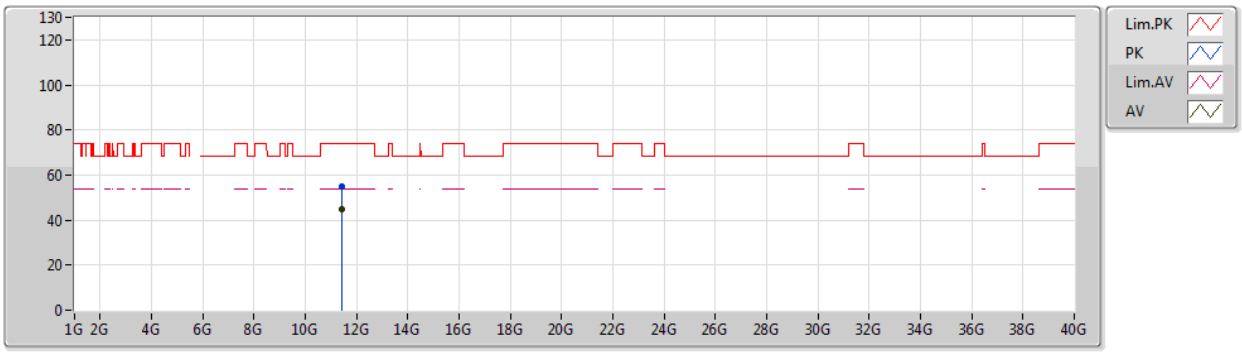


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.4242G	44.48	54.00	-9.52	15.53	3	Vertical	275	1.12	-
PK	11.41034G	55.37	74.00	-18.63	15.52	3	Vertical	275	1.12	-

802.11ac VHT40_Nss1,(MCS0)_1TX

05/03/2019

5710MHz Straddle 5.47-5.725GHz_TX

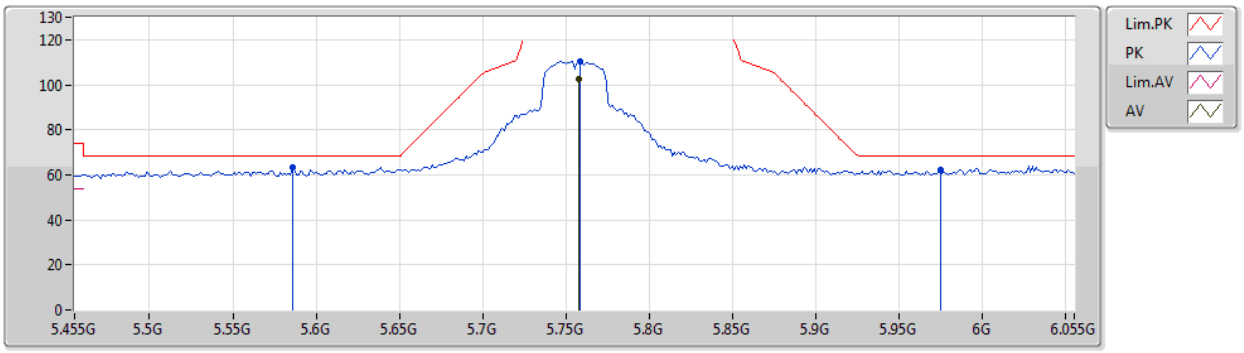


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.41244G	44.55	54.00	-9.45	15.52	3	Horizontal	181	2.50	-
PK	11.43176G	55.01	74.00	-18.99	15.55	3	Horizontal	181	2.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

05/03/2019

5755MHz_TX

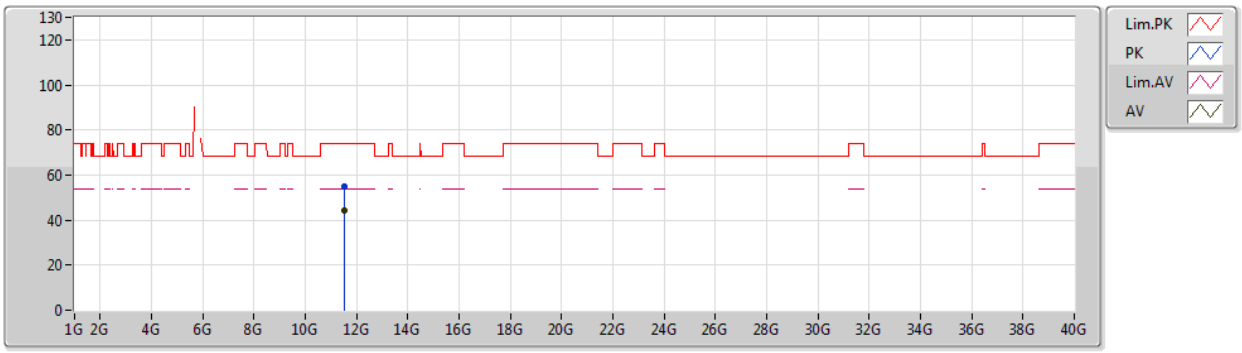


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7574G	102.66	Inf	-Inf	10.21	3	Vertical	180	1.50	-
PK	5.5858G	63.12	68.20	-5.08	9.94	3	Vertical	180	1.50	-
PK	5.7586G	110.32	Inf	-Inf	10.21	3	Vertical	180	1.50	-
PK	5.9746G	62.35	68.20	-5.85	10.52	3	Vertical	180	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

05/03/2019

5755MHz_TX

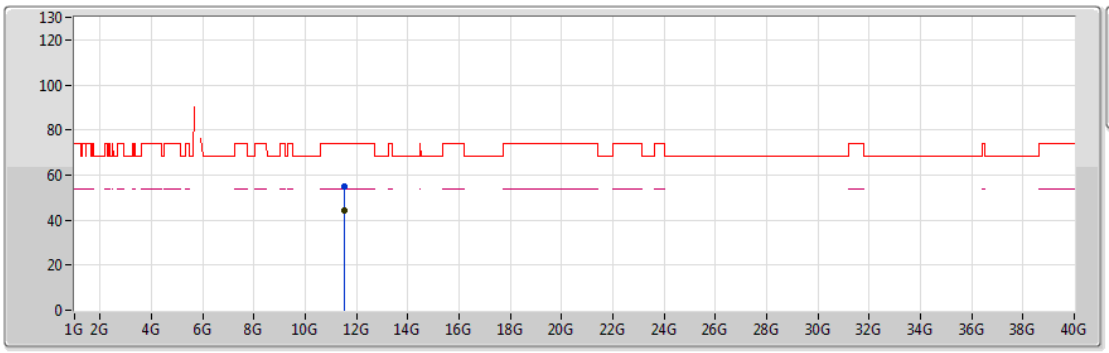


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.51678G	44.21	54.00	-9.79	15.70	3	Vertical	271	2.14	-
PK	11.51852G	55.12	74.00	-18.88	15.71	3	Vertical	271	2.14	-

802.11ac VHT40_Nss1,(MCS0)_1TX

05/03/2019

5755MHz_TX

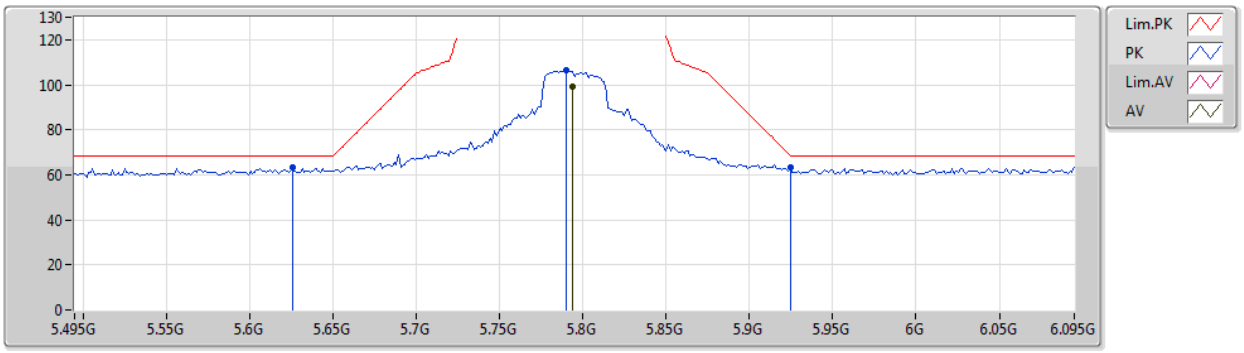


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.507G	44.42	54.00	-9.58	15.68	3	Horizontal	201	1.21	-
PK	11.50346G	55.06	74.00	-18.94	15.67	3	Horizontal	201	1.21	-

802.11ac VHT40_Nss1,(MCS0)_1TX

05/03/2019

5795MHz_TX

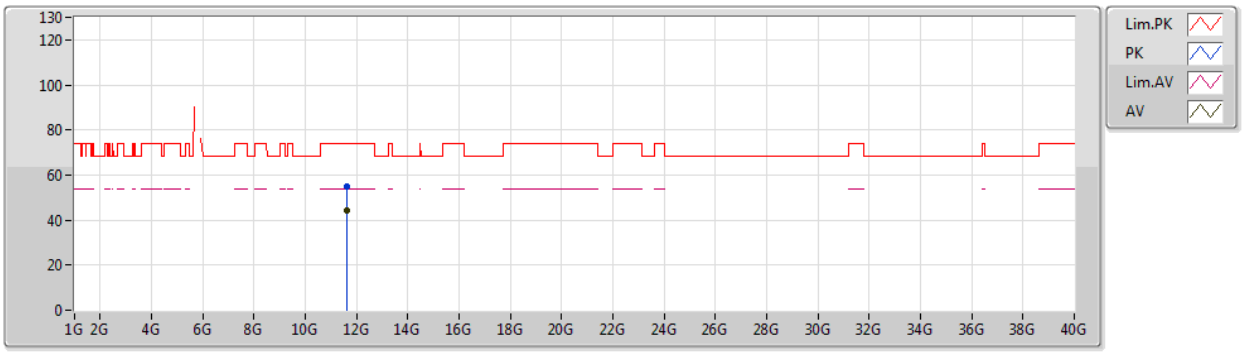


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7938G	98.92	Inf	-Inf	10.25	3	Vertical	150	1.50	-
PK	5.6258G	63.38	68.20	-4.82	10.00	3	Vertical	150	1.50	-
PK	5.7902G	106.26	Inf	-Inf	10.24	3	Vertical	150	1.50	-
PK	5.9246G	63.55	68.50	-4.95	10.44	3	Vertical	150	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

05/03/2019

5795MHz_TX

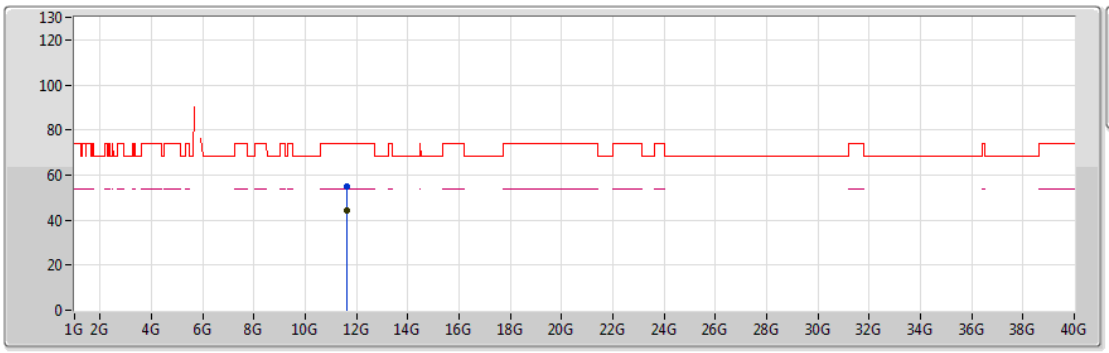


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.60338G	44.15	54.00	-9.85	15.88	3	Vertical	272	1.14	-
PK	11.6026G	55.05	74.00	-18.95	15.88	3	Vertical	272	1.14	-

802.11ac VHT40_Nss1,(MCS0)_1TX

05/03/2019

5795MHz_TX

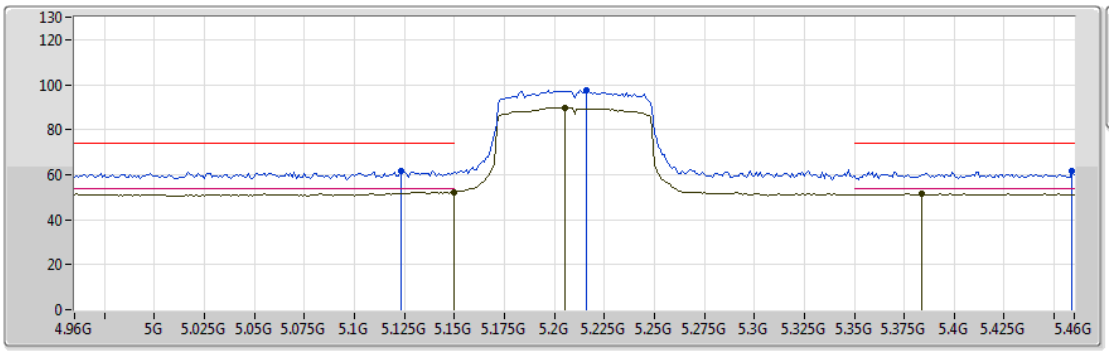


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.5993G	44.17	54.00	-9.83	15.88	3	Horizontal	355	2.25	-
PK	11.60188G	54.83	74.00	-19.17	15.88	3	Horizontal	355	2.25	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

05/03/2019

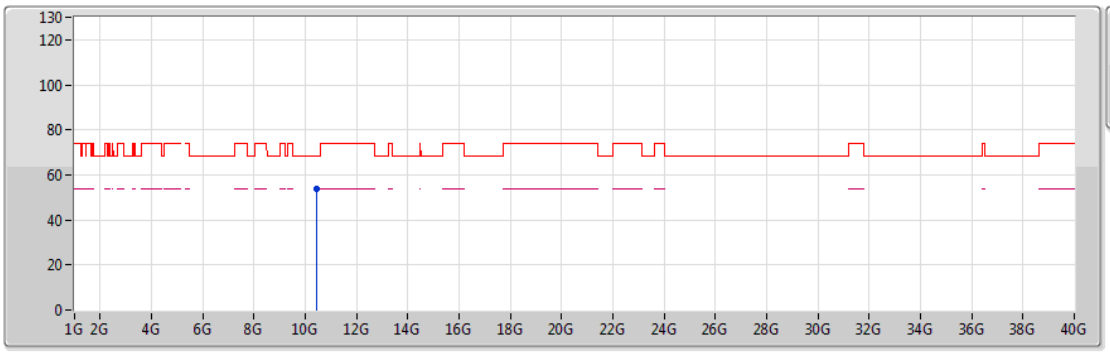


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	52.36	54.00	-1.64	9.09	3	Vertical	198	1.50	-
AV	5.205G	89.92	Inf	-Inf	9.16	3	Vertical	198	1.50	-
AV	5.384G	51.47	54.00	-2.53	9.60	3	Vertical	198	1.50	-
PK	5.123G	61.54	74.00	-12.46	9.06	3	Vertical	198	1.50	-
PK	5.216G	97.56	Inf	-Inf	9.18	3	Vertical	198	1.50	-
PK	5.459G	61.45	74.00	-12.55	9.76	3	Vertical	198	1.50	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

05/03/2019

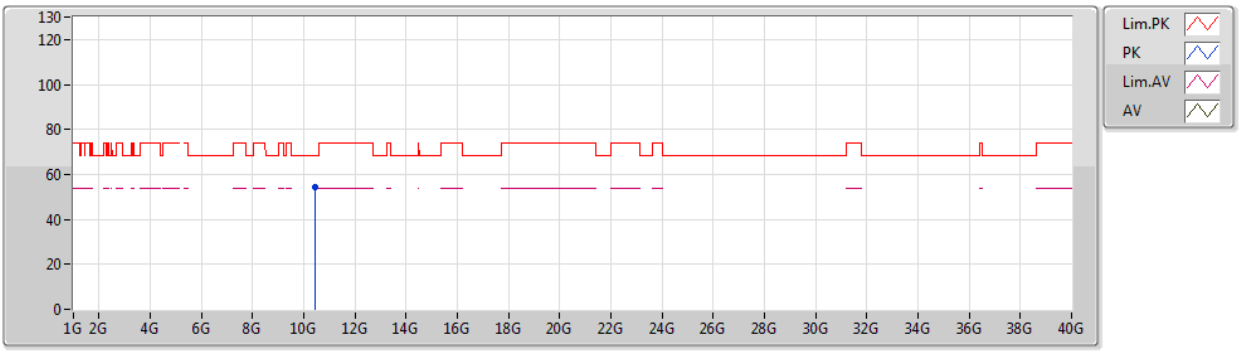


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.42048G	54.03	68.20	-14.17	14.31	3	Vertical	150	1.90	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

05/03/2019

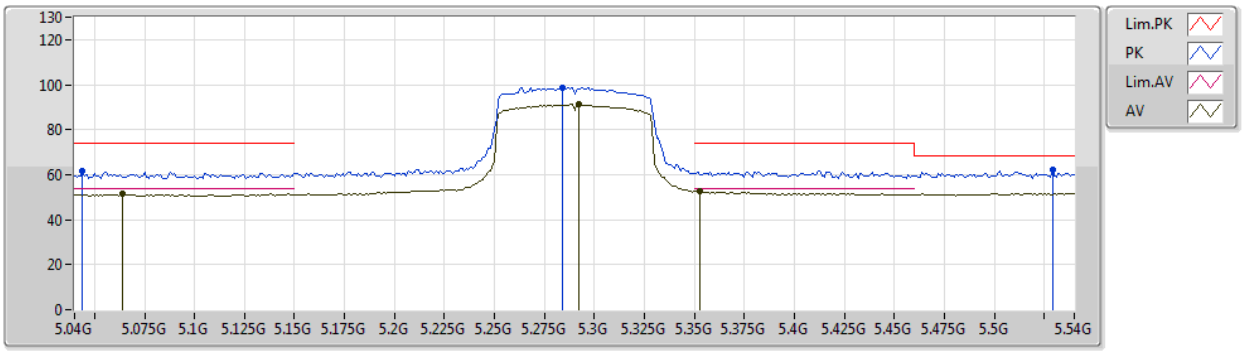


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.42798G	54.24	68.20	-13.96	14.32	3	Horizontal	151	1.93	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5290MHz_TX

05/03/2019

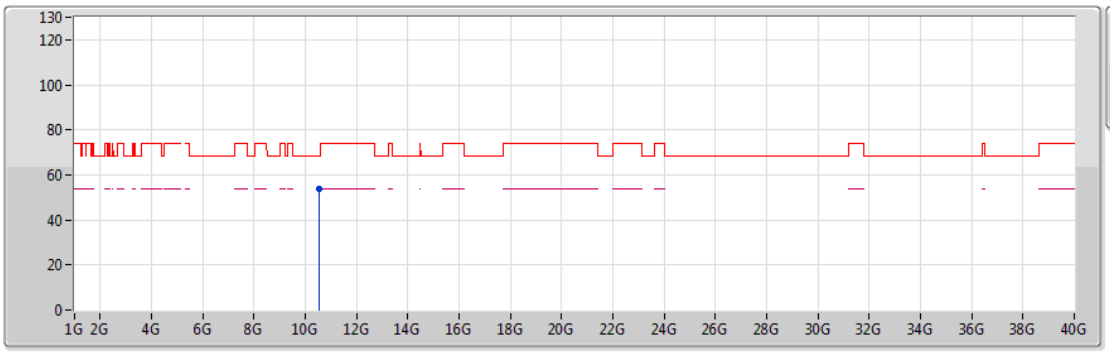


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.064G	51.41	54.00	-2.59	9.01	3	Vertical	197	1.50	-
AV	5.292G	91.18	Inf	-Inf	9.37	3	Vertical	197	1.50	-
AV	5.353G	52.46	54.00	-1.54	9.52	3	Vertical	197	1.50	-
PK	5.044G	61.53	74.00	-12.47	8.98	3	Vertical	197	1.50	-
PK	5.284G	98.73	Inf	-Inf	9.35	3	Vertical	197	1.50	-
PK	5.529G	61.99	68.20	-6.21	9.87	3	Vertical	197	1.50	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5290MHz_TX

05/03/2019

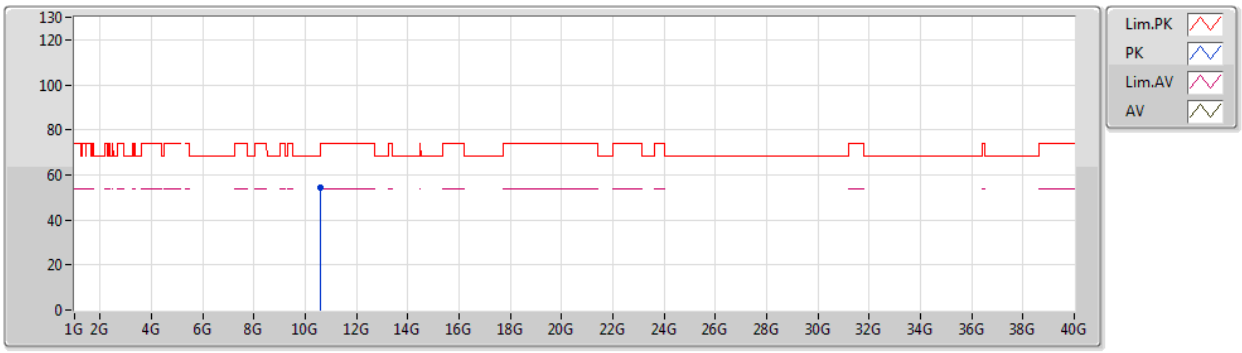


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.56518G	54.02	68.20	-14.18	14.44	3	Vertical	291	1.64	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5290MHz_TX

05/03/2019

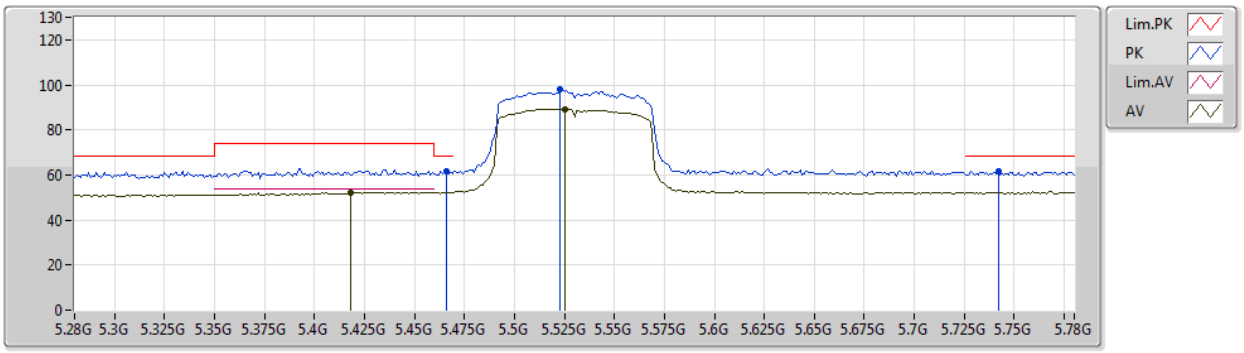


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.58354G	54.52	68.20	-13.68	14.46	3	Horizontal	305	1.38	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5530MHz_TX

05/03/2019

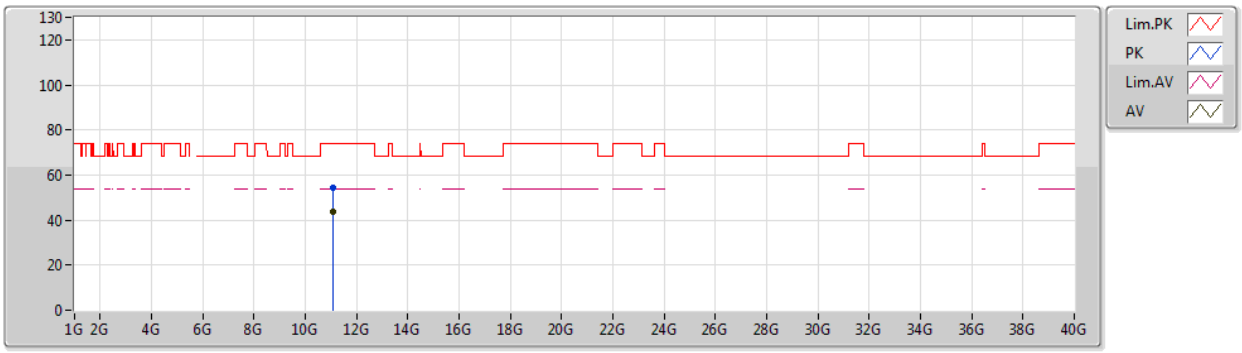


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.418G	52.35	54.00	-1.65	9.67	3	Vertical	181	1.50	-
AV	5.525G	89.18	Inf	-Inf	9.87	3	Vertical	181	1.50	-
PK	5.466G	61.61	68.20	-6.59	9.78	3	Vertical	181	1.50	-
PK	5.523G	98.05	Inf	-Inf	9.87	3	Vertical	181	1.50	-
PK	5.742G	61.70	68.20	-6.50	10.17	3	Vertical	181	1.50	-

802.11ac VHT80_Nss1,(MCS0)_1TX

05/03/2019

5530MHz_TX

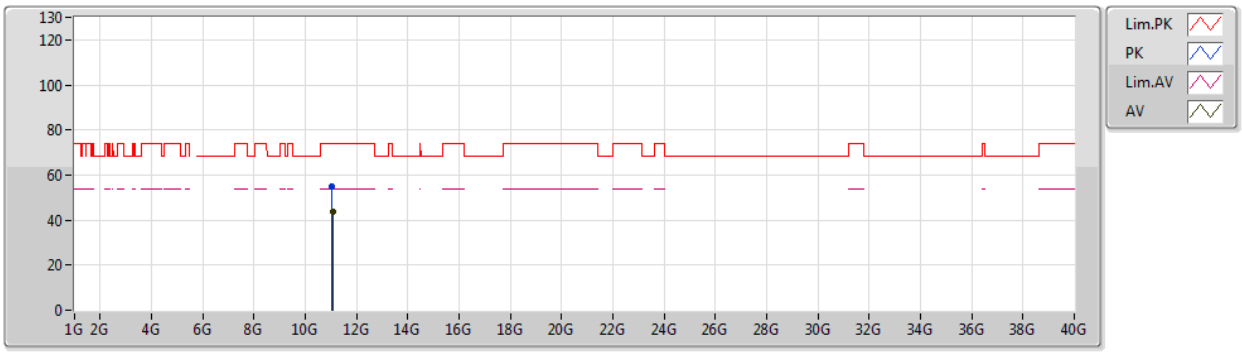


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.06054G	43.97	54.00	-10.03	14.92	3	Vertical	93	2.49	-
PK	11.06378G	54.61	74.00	-19.39	14.92	3	Vertical	93	2.49	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5530MHz_TX

05/03/2019

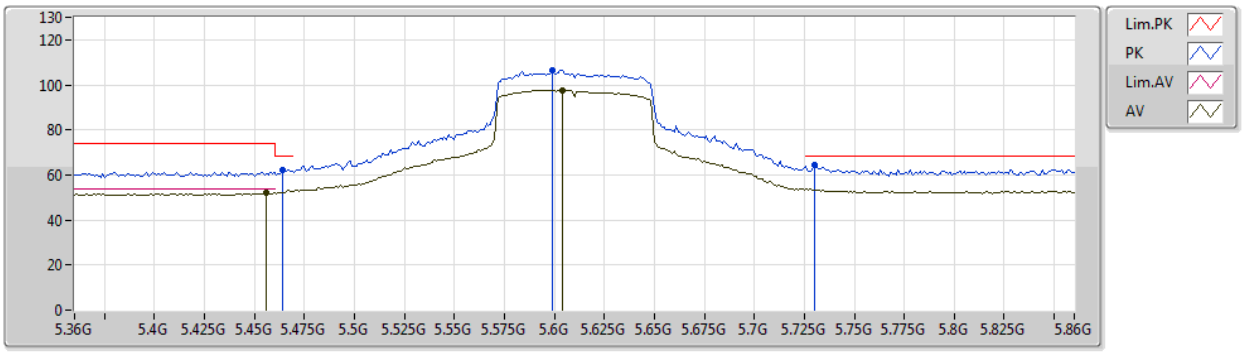


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.06372G	43.80	54.00	-10.20	14.92	3	Horizontal	159	1.33	-
PK	11.0459G	54.95	74.00	-19.05	14.90	3	Horizontal	159	1.33	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5610MHz_TX

05/03/2019

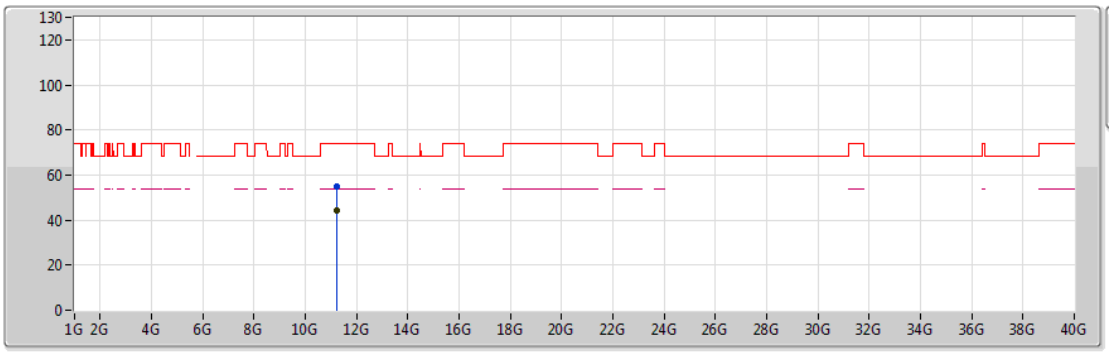


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.456G	52.13	54.00	-1.87	9.76	3	Vertical	180	1.50	-
AV	5.604G	97.64	Inf	-Inf	9.96	3	Vertical	180	1.50	-
PK	5.464G	62.00	68.20	-6.20	9.77	3	Vertical	180	1.50	-
PK	5.599G	106.54	Inf	-Inf	9.96	3	Vertical	180	1.50	-
PK	5.73G	64.22	68.20	-3.98	10.16	3	Vertical	180	1.50	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5610MHz_TX

05/03/2019

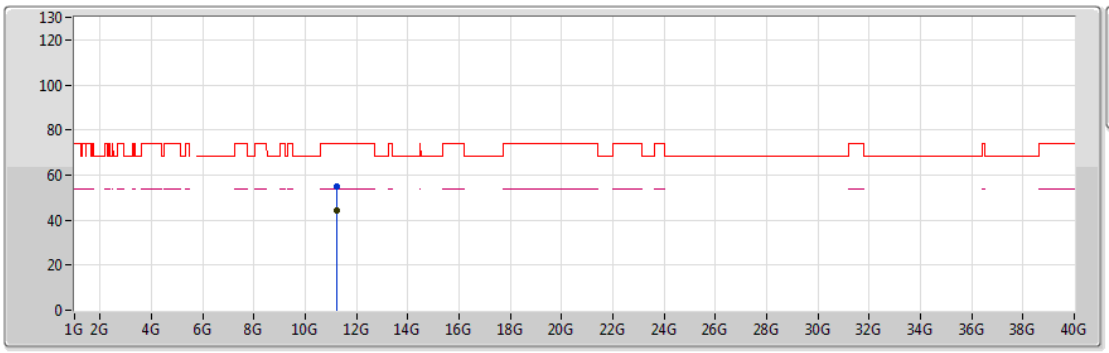


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.21442G	44.44	54.00	-9.56	15.18	3	Vertical	310	1.47	-
PK	11.22G	54.87	74.00	-19.13	15.19	3	Vertical	310	1.47	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5610MHz_TX

05/03/2019

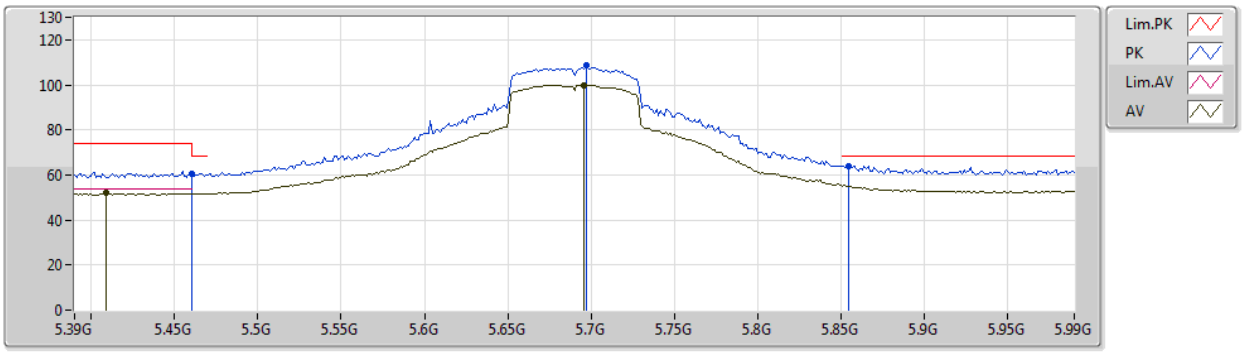


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.23392G	44.42	54.00	-9.58	15.21	3	Horizontal	308	1.68	-
PK	11.23398G	55.04	74.00	-18.96	15.21	3	Horizontal	308	1.68	-

802.11ac VHT80_Nss1,(MCS0)_1TX

05/03/2019

5690MHz Straddle 5.47-5.725GHz_TX

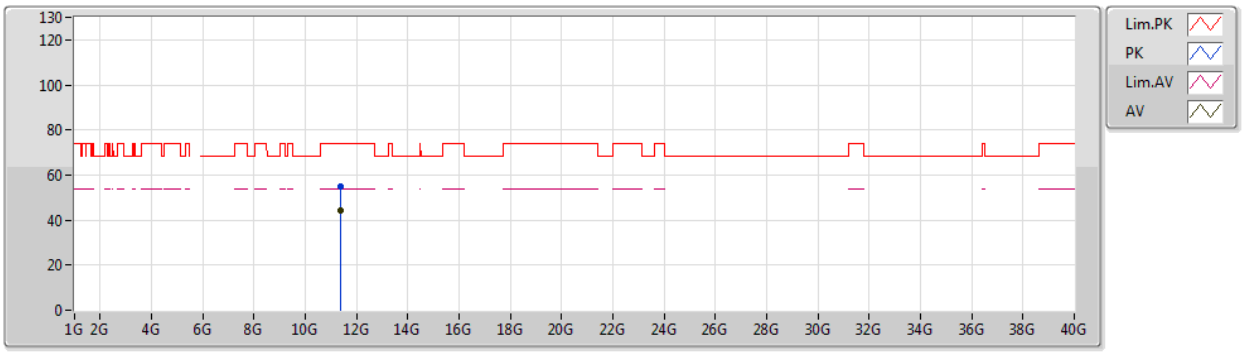


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4092G	51.85	54.00	-2.15	9.66	3	Vertical	199	1.49	-
AV	5.696G	99.97	Inf	-Inf	10.11	3	Vertical	199	1.49	-
PK	5.46G	60.49	68.20	-7.71	9.76	3	Vertical	199	1.49	-
PK	5.6972G	108.72	Inf	-Inf	10.11	3	Vertical	199	1.49	-
PK	5.8544G	64.12	68.20	-4.08	10.33	3	Vertical	199	1.49	-

802.11ac VHT80_Nss1,(MCS0)_1TX

05/03/2019

5690MHz Straddle 5.47-5.725GHz_TX

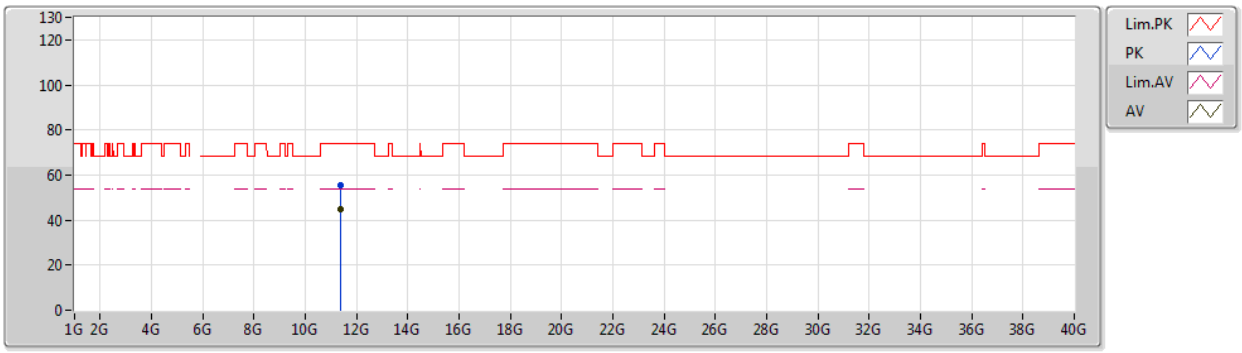


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.38558G	44.40	54.00	-9.60	15.48	3	Vertical	59	1.61	-
PK	11.36626G	54.90	74.00	-19.10	15.44	3	Vertical	59	1.61	-

802.11ac VHT80_Nss1,(MCS0)_1TX

05/03/2019

5690MHz Straddle 5.47-5.725GHz_TX

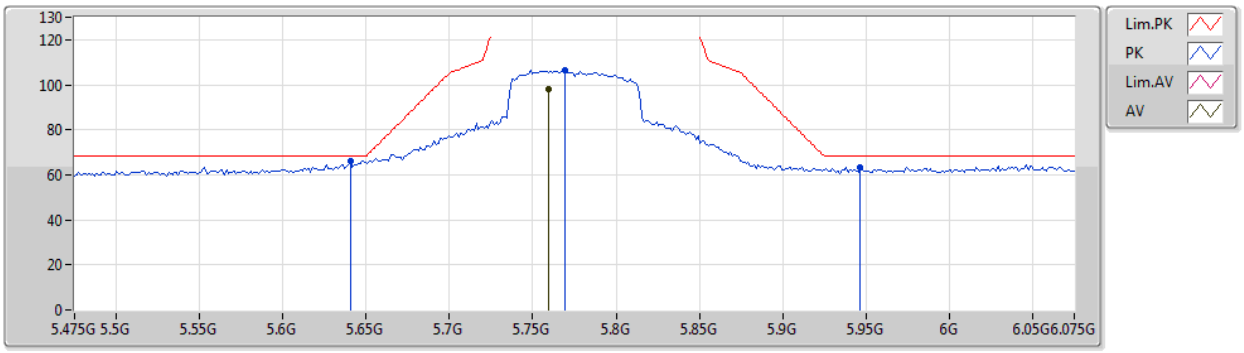


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.38342G	44.57	54.00	-9.43	15.47	3	Horizontal	106	2.30	-
PK	11.37208G	55.26	74.00	-18.74	15.44	3	Horizontal	106	2.30	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5775MHz_TX

05/03/2019

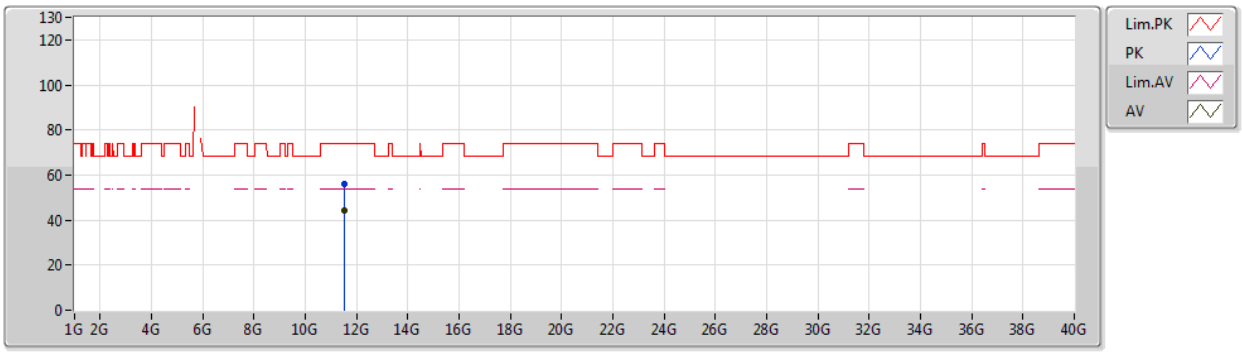


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7594G	98.32	Inf	-Inf	10.21	3	Vertical	180	1.49	-
PK	5.6406G	66.24	68.20	-1.96	10.02	3	Vertical	180	1.49	-
PK	5.769G	106.72	Inf	-Inf	10.22	3	Vertical	180	1.49	-
PK	5.9466G	63.19	68.20	-5.01	10.48	3	Vertical	180	1.49	-

802.11ac VHT80_Nss1,(MCS0)_1TX

05/03/2019

5775MHz_TX

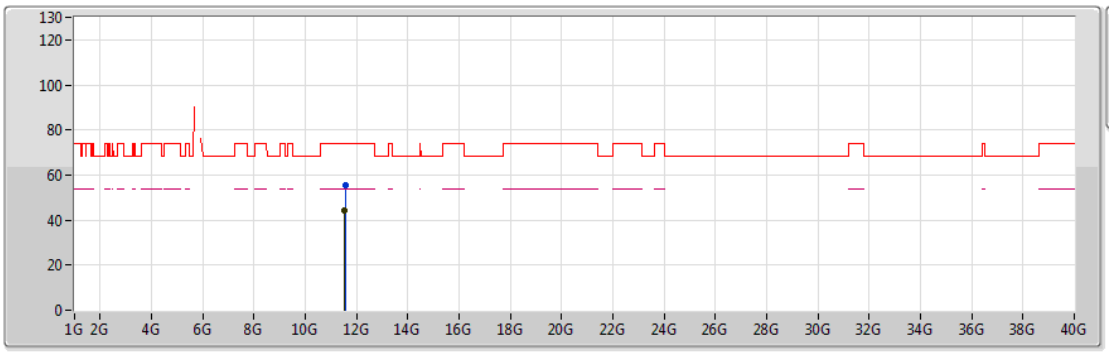


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.54352G	44.18	54.00	-9.82	15.77	3	Vertical	153	2.12	-
PK	11.54706G	55.92	74.00	-18.08	15.78	3	Vertical	153	2.12	-

802.11ac VHT80_Nss1,(MCS0)_1TX

05/03/2019

5775MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.53992G	44.06	54.00	-9.94	15.75	3	Horizontal	102	1.78	-
PK	11.55996G	55.28	74.00	-18.72	15.80	3	Horizontal	102	1.78	-