FCC Test Report

FCC ID	:	**UIDTG3452P2**
Equipment	:	**Wireless Voice Gateway**
Brand Name	:	**ARRIS**
Model Name	:	**TG3452**
Applicant	:	**ARRIS** **3871 Lakefield Drive, #300 Suwanee, GA 30024**
Manufacturer	:	**ARRIS** **3871 Lakefield Drive, #300 Suwanee, GA 30024**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Mar. 05, 2019, and testing was started from Mar. 06, 2019 and completed on Mar. 28, 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 variant 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
FR911906-01AN	01	Initial issue of report	May 16, 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	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Conducted Output Power	PASS	-
3.3	15.407(a)	Peak Power Spectral Density	PASS	-
3.4	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: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20)	5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5250-5350	n (HT40), ac (VHT40)	5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5250-5350	ac (VHT80)	5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	4TX
5.47-5.725GHz	802.11a	20	4TX
5.725-5.85GHz	802.11a	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
4	ARRIS	TG3452	PIFA	N/A
5	ARRIS	TG3452	PIFA	N/A
6	ARRIS	TG3452	PIFA	N/A
7	ARRIS	TG3452	PIFA	N/A

Ant.	Port	U-NII-2A		U-NII-2C	
		Channel(MHz)	Gain (dBi)	Channel(MHz)	Gain (dBi)
4~7	1~4	5260	3.92	5500	5.319
		5300	4.22	5560	4.816
		5320	4.22	5700	5.365
		5270	3.92	5510	5.319
		5310	4.22	5550	4.816
		5290	3.92	5670	4.816
		-	-	5530	5.319
		-	-	5610	5.319

For 5GHz function:

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

Ant. 4 (port 1), Ant. 5 (port 2), Ant. 6 (port 3) and Ant. 7 (port 4) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter			
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	0.692	1.599	1.398m	1k
802.11ac VHT20	0.647	1.891	1.318m	1k
802.11ac VHT40	0.768	1.146	658.75u	3k
802.11ac VHT80	0.656	1.831	326.25u	10k

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

1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	Description
ARRIS	TG3452	There are two enclosures for EUT. All samples are identical, only the color and enclosures are different.

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR911906AN

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

Modifications	Performance Checking
U-NII-2A and U-NII-2C were added	Emission Bandwidth, Maximum Conducted Output Power , Peak Power Spectral Density, Unwanted Emissions were evaluated.

1.2 Testing Applied Standards

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

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

The following reference test guidance is not within the scope of accreditation of TAF:

- KDB 662911 D01 v02r01

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	21.3~23.7°C / 61.4~63%	12/Mar/2019~ 28/Mar/2019
Radiated	03CH02-HY	Patrick	22.3~23.8°C / 51.7~53.6%	06/Mar/2019~ 28/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	120V

2.2 Test Channel Mode

Test Software	DoS

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	19,17,16,19
5300MHz	18,16,15,18
5320MHz	17,16,16,16
5500MHz	10,10,14,12
5580MHz	10,10,14,12
5700MHz	12,11,14,14
5720MHz Straddle 5.47-5.725GHz	12 11 14 14
5720MHz Straddle 5.725-5.85GHz	12 11 14 14
802.11ac VHT20_Nss4,(MCS0)_4TX	-
5260MHz	19,17,16,19
5300MHz	18,16,15,18
5320MHz	17,16,16,16
5500MHz	11,11,15,13
5580MHz	10,10,14,12
5700MHz	11,10,13,13
5720MHz Straddle 5.47-5.725GHz	13 12 15 15
5720MHz Straddle 5.725-5.85GHz	13 12 15 15
802.11ac VHT40_Nss4,(MCS0)_4TX	-
5270MHz	20,18,17,20
5310MHz	19,18,18,18
5510MHz	12,12,16,14
5550MHz	11,11,15,13

Mode	Power Setting
5670MHz	12,11,14,14
5710MHz Straddle 5.47-5.725GHz	15 14 17 17
5710MHz Straddle 5.725-5.85GHz	15 14 17 17
802.11ac VHT80_Nss4,(MCS0)_4TX	-
5290MHz	20,18,17,20
5530MHz	12,12,16,14
5610MHz	11,11,15,13
5690MHz Straddle 5.47-5.725GHz	14 13 16 16
5690MHz Straddle 5.725-5.85GHz	14 13 16 16

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	Adapter mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	**Y Plane**
	
Worst Planes of EUT	V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4GHz +WLAN 5GHz
Refer to Sporton Test Report No.: FA911906-01 for Co-location RF Exposure Evaluation.	

2.4 Accessories and Support Equipment

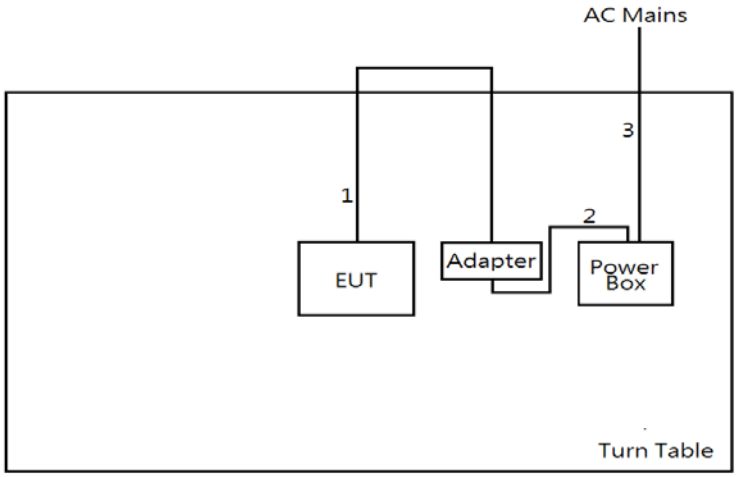
Accessories				
AC Adapter (US Plug)	**Brand Name**	ADP	**Model Name**	DA-50C12
	Power Rating	I/P: 100- 240Vac, 1.5A, O/P: 12Vdc, 4.17A		
	AC Power Cord	0.95 meter, non-shielded cable, w/o ferrite core		
	DC Power Cord	0.95 meter, non-shielded cable, w/o ferrite core		

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

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

2.5 Test Setup Diagram

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	DC Power line	No	0.95 m
2	AC Power line	No	0.95 m
3	AC Power line	No	1.8 m

3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 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.

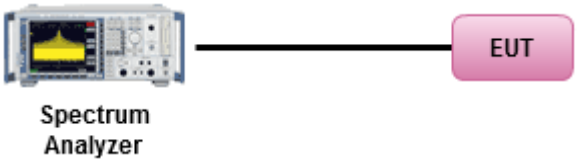
3.1.2 Measuring Instruments

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

3.1.3 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.

3.1.4 Test Setup

Emission Bandwidth


3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 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.	

3.2.2 Measuring Instruments

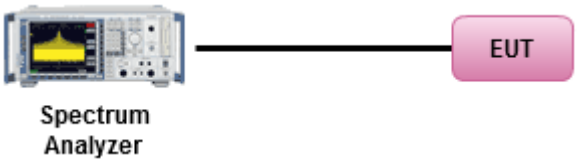
Refer a test equipment and calibration data table in this test report.

3.2.3 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]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup

RF Output Power (Spectrum Analyzer)



RF Output Power (Power Meter)

3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 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.	

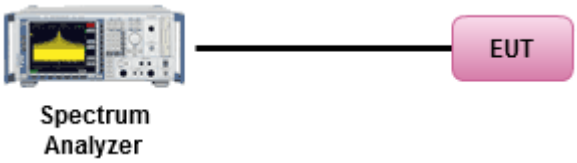
3.3.2 Measuring Instruments

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

3.3.3 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]) $EIRP_{total} = PPSD_{total} + DG$

3.3.4 Test Setup

Power Spectral Density


3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 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).

3.4.2 Measuring Instruments

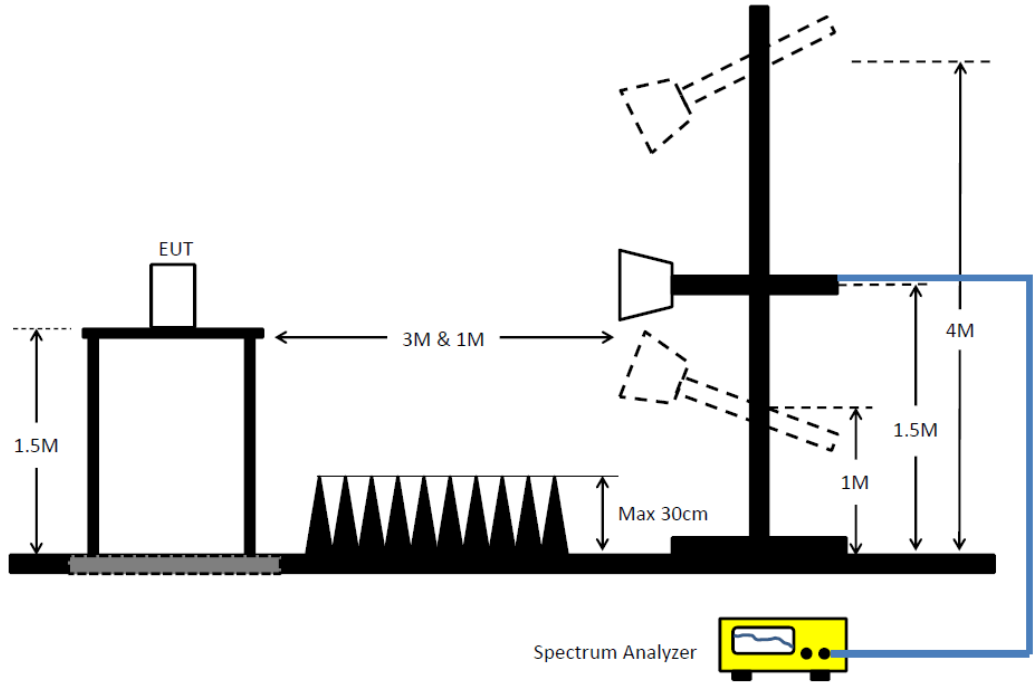
Refer a test equipment and calibration data table in this test report.

3.4.3 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.

3.4.4 Test Setup

Transmitter Radiated Unwanted Emissions
Above 1GHz



3.4.5 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

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

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	17/Oct/2018	16/Oct/2019
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	23/Oct/2018	22/Oct/2019
Signal Analyzer	R&S	FSP40	100593	9KHz - 40GHz	27/Dec/2018	26/Dec/2020
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	25/Jul/2018	24/Jul/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	12/Mar/2018	11/Mar/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 01543	1GHz ~ 18GHz	11/May/2018	10/May/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.375M	16.517M	16M5D1D	19.725M	16.417M
802.11ac VHT20_Nss4,(MCS0)_4TX	20.6M	17.616M	17M6D1D	20.4M	17.516M
802.11ac VHT40_Nss4,(MCS0)_4TX	41.15M	36.182M	36M2D1D	40.55M	36.082M
802.11ac VHT80_Nss4,(MCS0)_4TX	81.9M	75.662M	75M7D1D	81M	75.462M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.5M	16.542M	16M5D1D	14.88M	13.118M
802.11ac VHT20_Nss4,(MCS0)_4TX	20.575M	17.616M	17M6D1D	15.045M	13.673M
802.11ac VHT40_Nss4,(MCS0)_4TX	41.25M	36.232M	36M2D1D	35.385M	32.919M
802.11ac VHT80_Nss4,(MCS0)_4TX	81.8M	75.662M	75M7D1D	75.525M	72.189M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.2M	3.578M	3M58D1D	3.16M	3.498M
802.11ac VHT20_Nss4,(MCS0)_4TX	3.78M	3.998M	4M00D1D	3.16M	3.938M
802.11ac VHT40_Nss4,(MCS0)_4TX	3.16M	3.558M	3M56D1D	3.14M	3.518M
802.11ac VHT80_Nss4,(MCS0)_4TX	3.16M	3.658M	3M66D1D	2.92M	3.418M

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

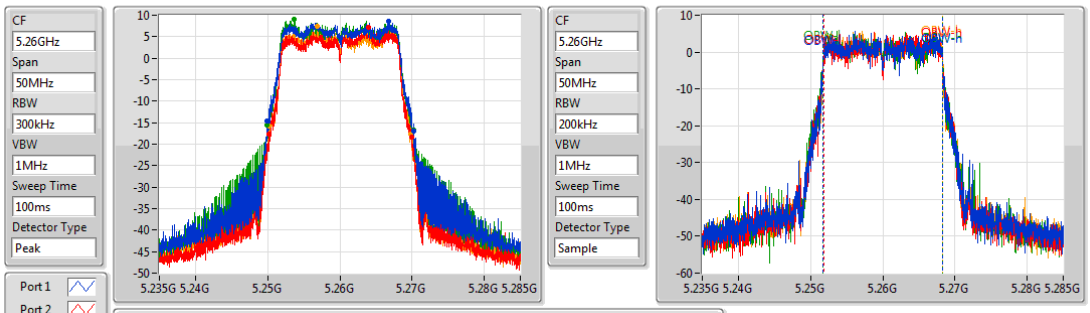
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	Inf	20.3M	16.492M	19.775M	16.417M	20.375M	16.467M	19.725M	16.442M
5300MHz_TnomVnom	Pass	Inf	20.125M	16.417M	19.9M	16.417M	19.85M	16.517M	19.975M	16.467M
5320MHz_TnomVnom	Pass	Inf	20.325M	16.467M	19.95M	16.492M	20.325M	16.517M	19.875M	16.417M
5500MHz_TnomVnom	Pass	Inf	20.25M	16.467M	19.85M	16.542M	19.65M	16.492M	19.95M	16.442M
5580MHz_TnomVnom	Pass	Inf	20.475M	16.442M	19.85M	16.492M	19.85M	16.442M	19.975M	16.492M
5700MHz_TnomVnom	Pass	Inf	20.5M	16.517M	20.1M	16.467M	20.15M	16.442M	19.85M	16.442M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.12M	13.223M	14.985M	13.163M	14.88M	13.163M	14.925M	13.118M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.16M	3.498M	3.2M	3.498M	3.16M	3.578M	3.2M	3.538M
802.11ac VHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	Inf	20.525M	17.566M	20.5M	17.516M	20.575M	17.591M	20.45M	17.566M
5300MHz_TnomVnom	Pass	Inf	20.4M	17.516M	20.6M	17.516M	20.55M	17.616M	20.45M	17.541M
5320MHz_TnomVnom	Pass	Inf	20.45M	17.591M	20.525M	17.516M	20.475M	17.566M	20.425M	17.591M
5500MHz_TnomVnom	Pass	Inf	20.575M	17.616M	20.575M	17.616M	19.95M	17.566M	20.45M	17.566M
5580MHz_TnomVnom	Pass	Inf	20.575M	17.591M	20.475M	17.616M	20.375M	17.516M	20.525M	17.591M
5700MHz_TnomVnom	Pass	Inf	20.525M	17.616M	20.5M	17.566M	20.375M	17.541M	20.425M	17.566M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.15M	13.673M	15.045M	13.748M	15.045M	13.718M	15.09M	13.748M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.78M	3.998M	3.76M	3.938M	3.36M	3.978M	3.16M	3.938M
802.11ac VHT40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	Inf	40.95M	36.132M	41M	36.132M	40.7M	36.182M	40.9M	36.132M
5310MHz_TnomVnom	Pass	Inf	40.55M	36.132M	41.05M	36.132M	40.65M	36.082M	41.15M	36.132M
5510MHz_TnomVnom	Pass	Inf	41M	36.232M	40.4M	36.082M	40.9M	36.082M	41.25M	36.182M
5550MHz_TnomVnom	Pass	Inf	40.95M	36.082M	40.5M	35.932M	40.75M	36.182M	41M	36.032M
5670MHz_TnomVnom	Pass	Inf	40.85M	36.132M	40.8M	36.082M	40.6M	36.232M	40.95M	36.182M
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	35.385M	32.954M	35.7M	32.919M	35.385M	32.989M	35.56M	32.919M
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.14M	3.558M	3.16M	3.558M	3.14M	3.518M	3.16M	3.518M
802.11ac VHT80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	Inf	81.9M	75.562M	81.4M	75.662M	81M	75.462M	81.3M	75.662M
5530MHz_TnomVnom	Pass	Inf	81.8M	75.462M	81.3M	75.262M	80.7M	75.462M	81.1M	75.562M
5610MHz_TnomVnom	Pass	Inf	81.6M	75.662M	81.4M	75.462M	81.2M	75.662M	81.1M	75.562M
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	75.975M	72.264M	75.75M	72.189M	75.525M	72.489M	75.75M	72.489M
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	2.94M	3.658M	3.16M	3.518M	2.92M	3.418M	3.14M	3.558M

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

802.11a_Nss1,(6Mbps)_4TX
EBW
5260MHz

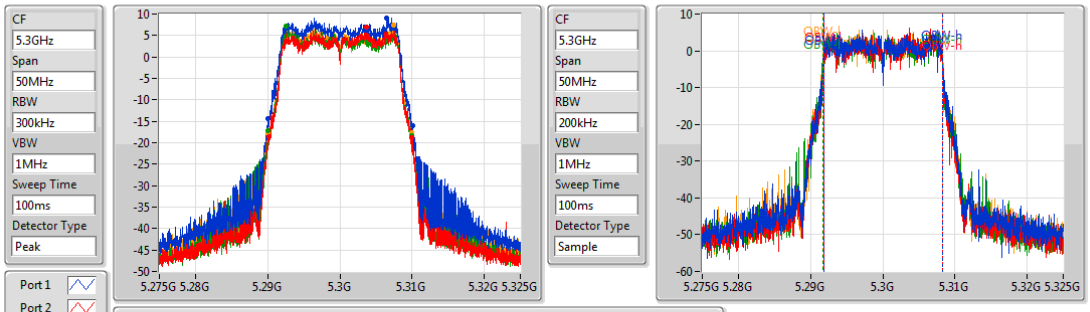
12/03/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.3M	5.249925G	5.270225G	16.492M	5.251754G	5.268246G	Inf	1
19.775M	5.2502G	5.269975G	16.417M	5.251804G	5.268221G	Inf	2
20.375M	5.249925G	5.2703G	16.467M	5.251779G	5.268246G	Inf	3
19.725M	5.25015G	5.269875G	16.442M	5.251804G	5.268246G	Inf	4

802.11a_Nss1,(6Mbps)_4TX
EBW
5300MHz

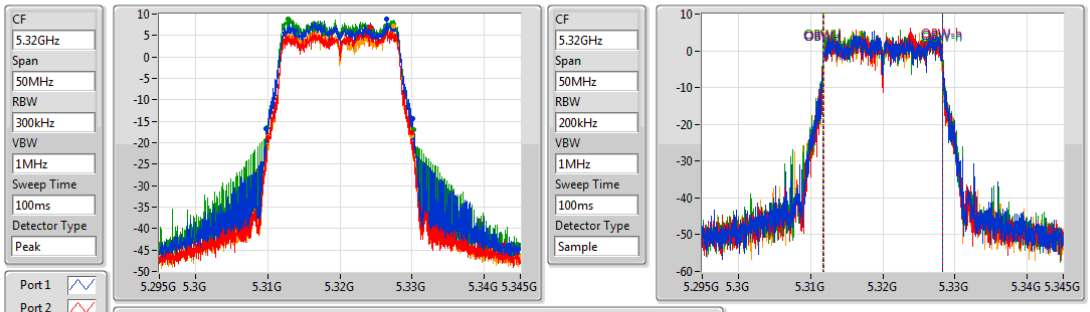
12/03/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.125M	5.289975G	5.3101G	16.417M	5.291804G	5.308221G	Inf	1
19.9M	5.290125G	5.310025G	16.417M	5.291829G	5.308246G	Inf	2
19.85M	5.2901G	5.30995G	16.517M	5.291729G	5.308246G	Inf	3
19.975M	5.29G	5.309975G	16.467M	5.291779G	5.308246G	Inf	4

802.11a_Nss1,(6Mbps)_4TX
EBW
5320MHz

12/03/2019

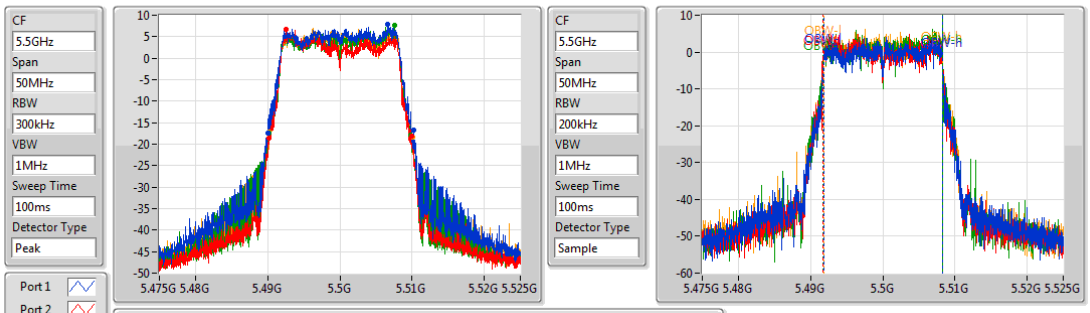


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.325M	5.309775G	5.3301G	16.467M	5.311779G	5.328246G	Inf	1
19.95M	5.31G	5.32995G	16.492M	5.311804G	5.328296G	Inf	2
20.325M	5.309875G	5.3302G	16.517M	5.311754G	5.328271G	Inf	3
19.875M	5.3101G	5.329975G	16.417M	5.311829G	5.328246G	Inf	4

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

5500MHz

12/03/2019

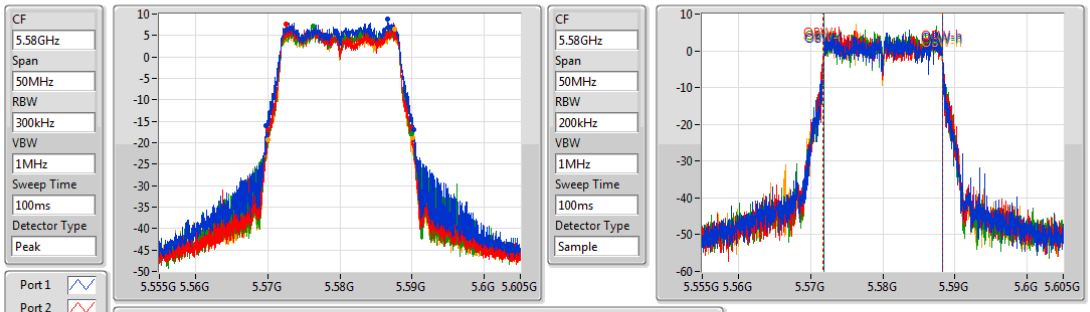


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.25M	5.489975G	5.510225G	16.467M	5.491804G	5.508271G	Inf	1
19.85M	5.490175G	5.510025G	16.542M	5.491729G	5.508271G	Inf	2
19.65M	5.49015G	5.5098G	16.492M	5.491779G	5.508271G	Inf	3
19.95M	5.490175G	5.510125G	16.442M	5.491804G	5.508246G	Inf	4

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

5580MHz

12/03/2019

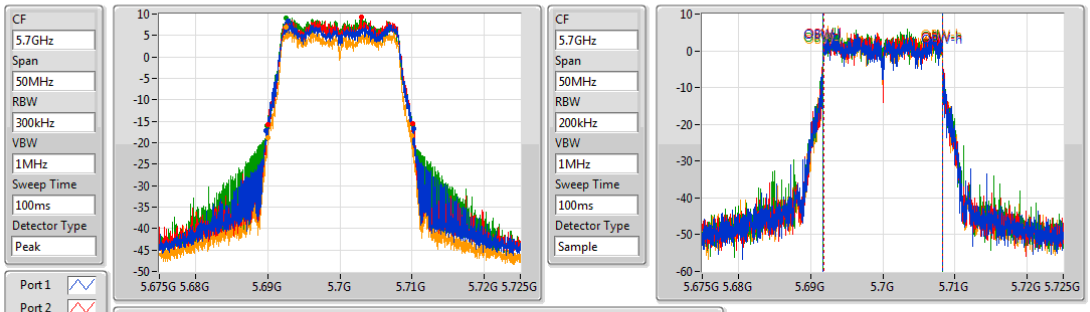


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.475M	5.569825G	5.5903G	16.442M	5.571804G	5.588246G	Inf	1
19.85M	5.5701G	5.58995G	16.492M	5.571754G	5.588246G	Inf	2
19.85M	5.57015G	5.59G	16.442M	5.571804G	5.588246G	Inf	3
19.975M	5.5701G	5.590075G	16.492M	5.571779G	5.588271G	Inf	4

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

5700MHz

12/03/2019

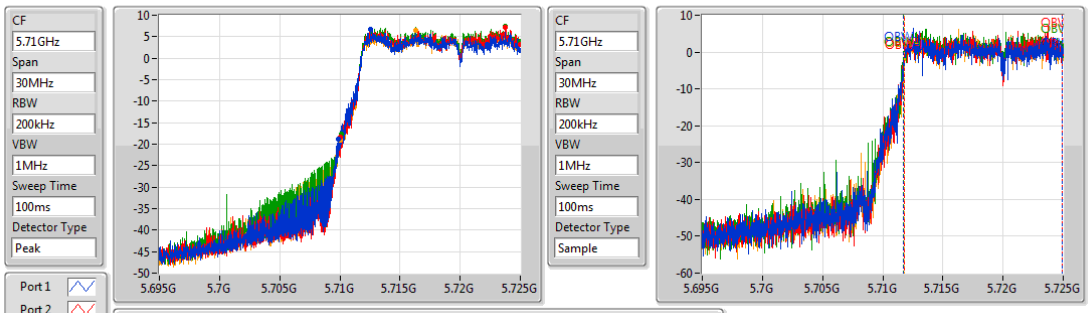


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.5M	5.689775G	5.710275G	16.517M	5.691754G	5.708271G	Inf	1
20.1M	5.689975G	5.710075G	16.467M	5.691804G	5.708271G	Inf	2
20.15M	5.689925G	5.710075G	16.442M	5.691779G	5.708221G	Inf	3
19.85M	5.6901G	5.70995G	16.442M	5.691804G	5.708246G	Inf	4

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

5720MHz Straddle 5.47-5.725GHz

28/03/2019

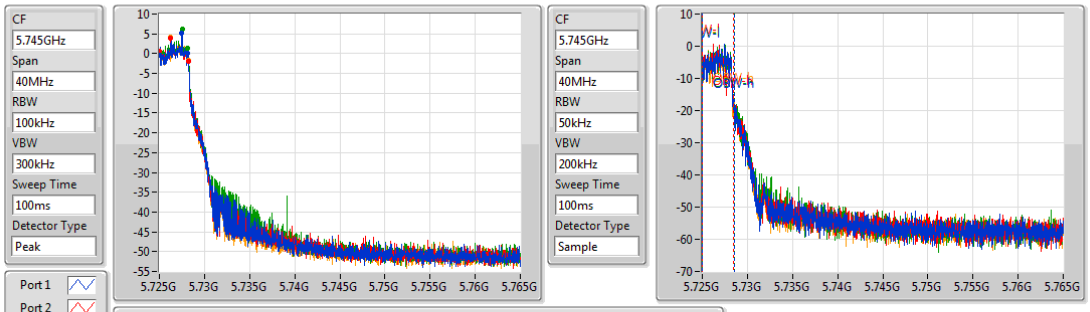


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.12M	5.70988G	5.725G	13.223M	5.711694G	5.724918G	Inf	1
14.985M	5.710015G	5.725G	13.163M	5.711769G	5.724933G	Inf	2
14.88M	5.71012G	5.725G	13.163M	5.711739G	5.724903G	Inf	3
14.925M	5.710075G	5.725G	13.118M	5.711784G	5.724903G	Inf	4

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

5720MHz Straddle 5.725-5.85GHz

28/03/2019

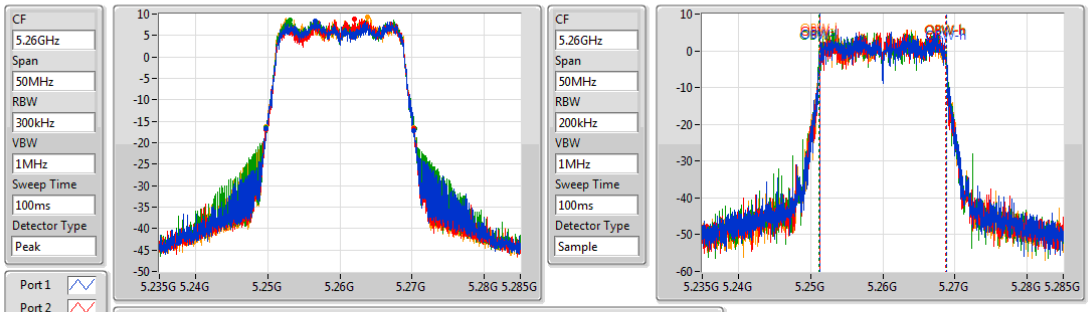


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.16M	5.725G	5.72816G	3.498M	5.72503G	5.728528G	500k	1
3.2M	5.725G	5.7282G	3.498M	5.72501G	5.728508G	500k	2
3.16M	5.725G	5.72816G	3.578M	5.72501G	5.728588G	500k	3
3.2M	5.725G	5.7282G	3.538M	5.72501G	5.728548G	500k	4

802.11ac VHT20_Nss4,(MCS0)_4TX **EBW**

5260MHz

12/03/2019



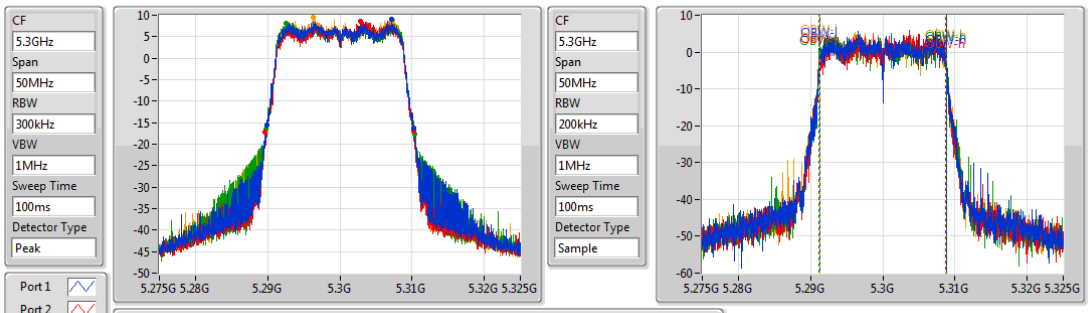
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.525M	5.249775G	5.2703G	17.566M	5.251229G	5.268796G	Inf	1
20.5M	5.2497G	5.2702G	17.516M	5.251254G	5.268771G	Inf	2
20.575M	5.249775G	5.27035G	17.591M	5.251204G	5.268796G	Inf	3
20.45M	5.2498G	5.27025G	17.566M	5.251229G	5.268796G	Inf	4

802.11ac VHT20_Nss4,(MCS0)_4TX

EBW

5300MHz

12/03/2019



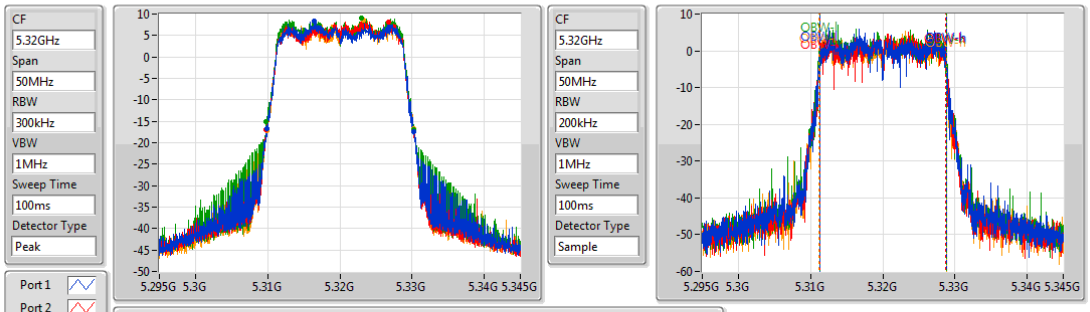
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.4M	5.289875G	5.310275G	17.516M	5.291279G	5.308796G	Inf	1
20.6M	5.289675G	5.310275G	17.516M	5.291254G	5.308771G	Inf	2
20.55M	5.289775G	5.310325G	17.616M	5.291204G	5.308821G	Inf	3
20.45M	5.28985G	5.3103G	17.541M	5.291254G	5.308796G	Inf	4

802.11ac VHT20_Nss4,(MCS0)_4TX

EBW

5320MHz

12/03/2019



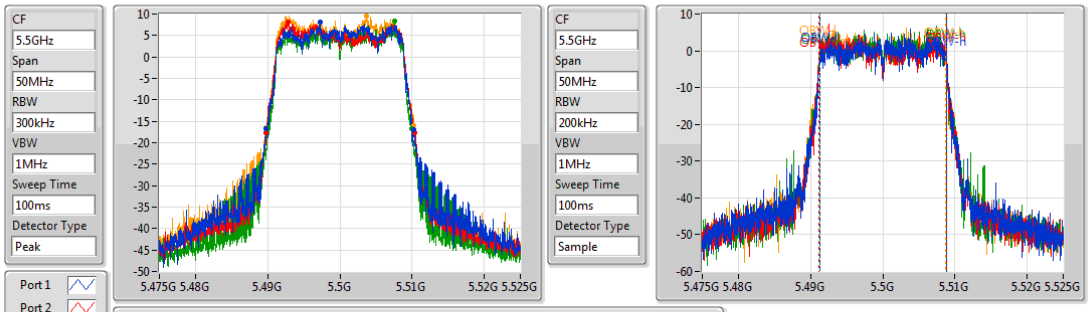
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.45M	5.30985G	5.3303G	17.591M	5.311229G	5.328821G	Inf	1
20.525M	5.3097G	5.330225G	17.516M	5.311254G	5.328771G	Inf	2
20.475M	5.309825G	5.3303G	17.566M	5.311229G	5.328796G	Inf	3
20.425M	5.30985G	5.330275G	17.591M	5.311204G	5.328796G	Inf	4

802.11ac VHT20_Nss4,(MCS0)_4TX

EBW

5500MHz

12/03/2019

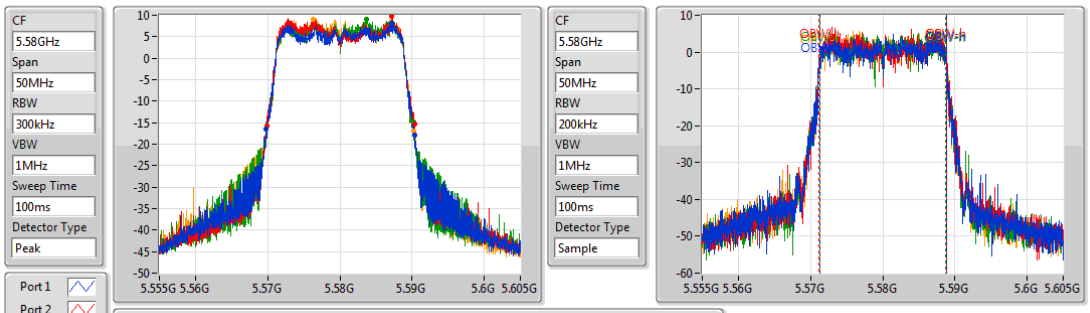


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.575M	5.4897G	5.510275G	17.616M	5.491229G	5.508846G	Inf	1
20.575M	5.48975G	5.510325G	17.616M	5.491204G	5.508821G	Inf	2
19.95M	5.490025G	5.509975G	17.566M	5.491229G	5.508796G	Inf	3
20.45M	5.489825G	5.510275G	17.566M	5.491204G	5.508771G	Inf	4

802.11ac VHT20_Nss4,(MCS0)_4TX **EBW**

5580MHz

12/03/2019

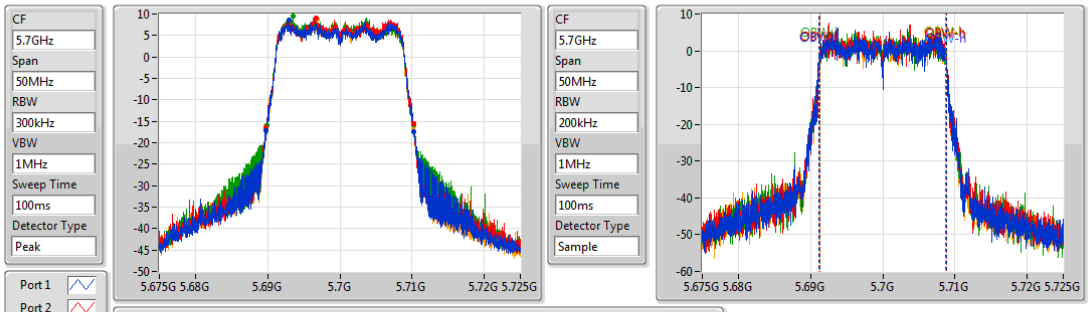


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.575M	5.56975G	5.590325G	17.591M	5.571229G	5.588821G	Inf	1
20.475M	5.56985G	5.590325G	17.616M	5.571204G	5.588821G	Inf	2
20.375M	5.5698G	5.590175G	17.516M	5.571254G	5.588771G	Inf	3
20.525M	5.569775G	5.5903G	17.591M	5.571229G	5.588821G	Inf	4

802.11ac VHT20_Nss4,(MCS0)_4TX **EBW**

5700MHz

12/03/2019

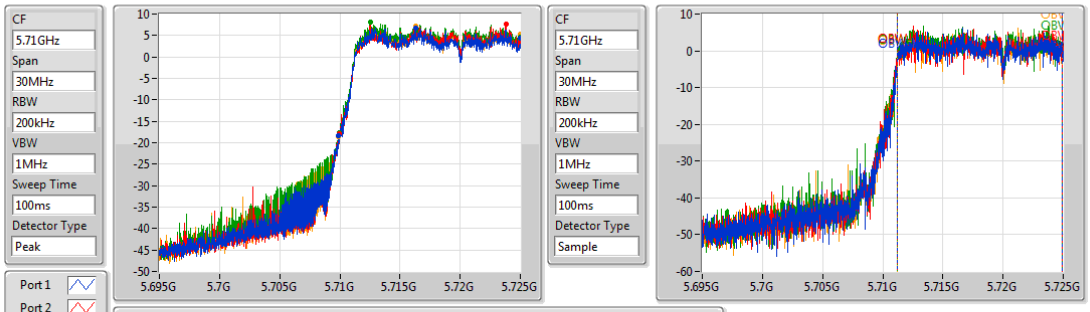


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.525M	5.68975G	5.710275G	17.616M	5.691204G	5.708821G	Inf	1
20.5M	5.6898G	5.7103G	17.566M	5.691254G	5.708821G	Inf	2
20.375M	5.6899G	5.710275G	17.541M	5.691229G	5.708771G	Inf	3
20.425M	5.689825G	5.71025G	17.566M	5.691204G	5.708771G	Inf	4

802.11ac VHT20_Nss4,(MCS0)_4TX **EBW**

5720MHz Straddle 5.47-5.725GHz

28/03/2019



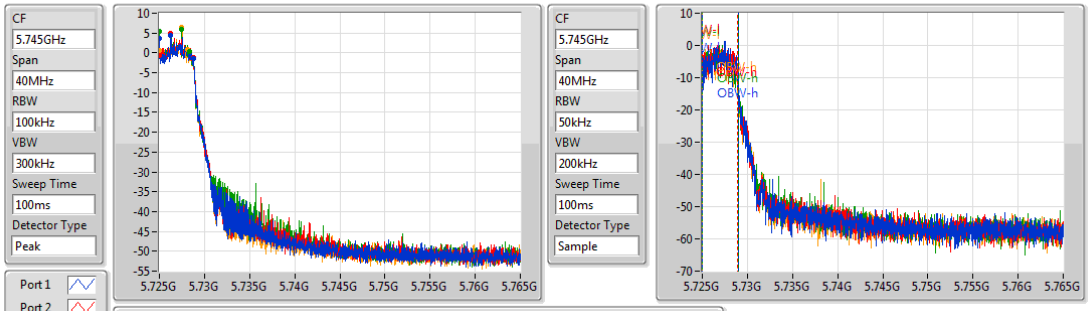
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.15M	5.70985G	5.725G	13.673M	5.711214G	5.724888G	Inf	1
15.045M	5.709955G	5.725G	13.748M	5.711184G	5.724933G	Inf	2
15.045M	5.709955G	5.725G	13.718M	5.711184G	5.724903G	Inf	3
15.09M	5.70991G	5.725G	13.748M	5.711184G	5.724933G	Inf	4

802.11ac VHT20_Nss4,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

28/03/2019



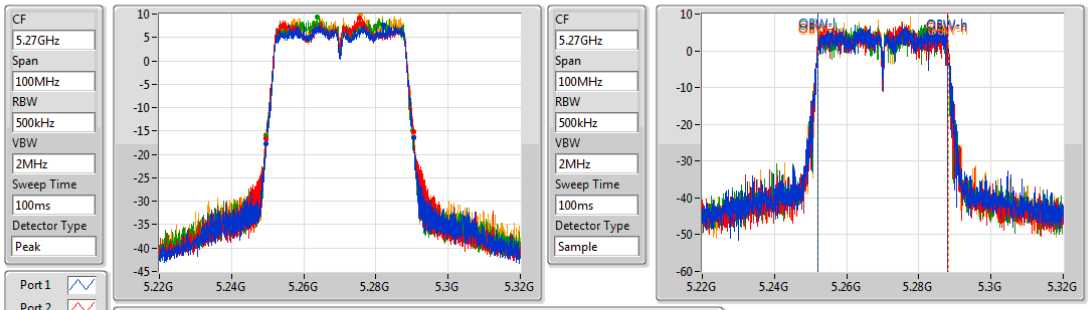
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.78M	5.725G	5.72878G	3.998M	5.72503G	5.729028G	500k	1
3.76M	5.725G	5.72876G	3.938M	5.72501G	5.728948G	500k	2
3.36M	5.725G	5.72836G	3.978M	5.72501G	5.728988G	500k	3
3.16M	5.725G	5.72816G	3.938M	5.72501G	5.728948G	500k	4

802.11ac VHT40_Nss4,(MCS0)_4TX

EBW

5270MHz

12/03/2019



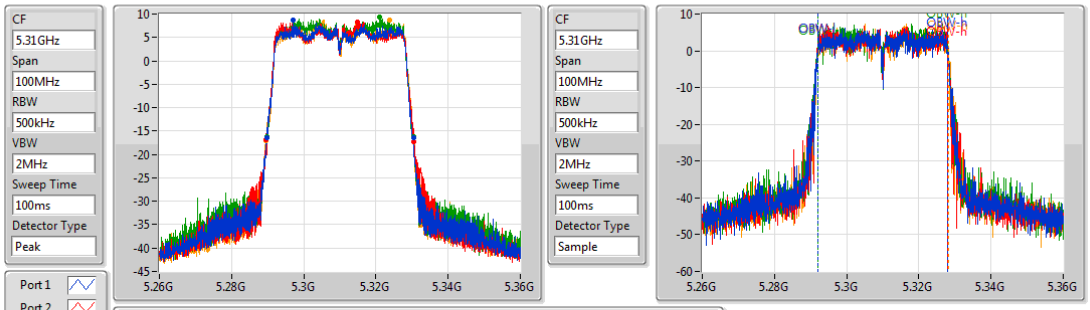
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.95M	5.2495G	5.29045G	36.132M	5.251959G	5.288091G	Inf	1
41M	5.2494G	5.2904G	36.132M	5.251909G	5.288041G	Inf	2
40.7M	5.24955G	5.29025G	36.182M	5.251909G	5.288091G	Inf	3
40.9M	5.24965G	5.29055G	36.132M	5.252009G	5.288141G	Inf	4

802.11ac VHT40_Nss4,(MCS0)_4TX

EBW

5310MHz

12/03/2019

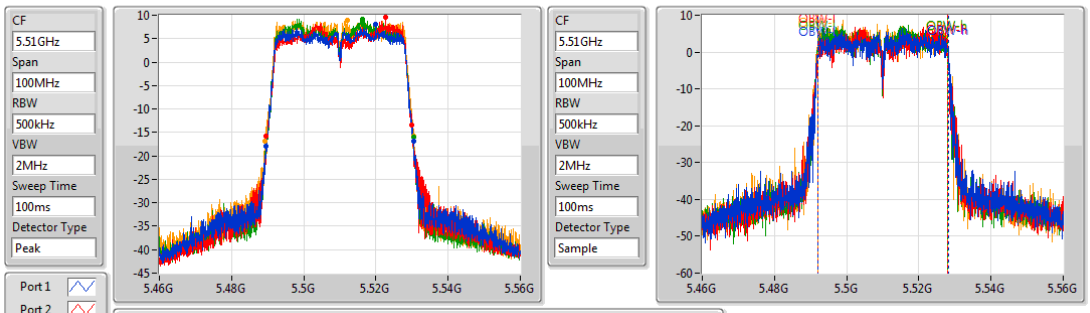


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.55M	5.2898G	5.33035G	36.132M	5.291959G	5.328091G	Inf	1
41.05M	5.28955G	5.3306G	36.132M	5.291909G	5.328041G	Inf	2
40.65M	5.2897G	5.33035G	36.082M	5.291959G	5.328041G	Inf	3
41.15M	5.28945G	5.3306G	36.132M	5.292009G	5.328141G	Inf	4

802.11ac VHT40_Nss4,(MCS0)_4TX **EBW**

5510MHz

12/03/2019

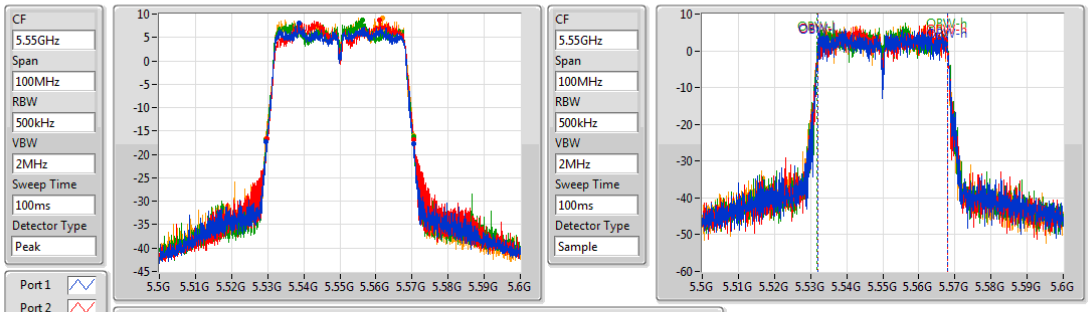


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41M	5.4895G	5.5305G	36.232M	5.491909G	5.528141G	Inf	1
40.4M	5.48965G	5.53005G	36.082M	5.492009G	5.528091G	Inf	2
40.9M	5.48955G	5.53045G	36.082M	5.491959G	5.528041G	Inf	3
41.25M	5.4893G	5.53055G	36.182M	5.491909G	5.528091G	Inf	4

802.11ac VHT40_Nss4,(MCS0)_4TX **EBW**

5550MHz

12/03/2019

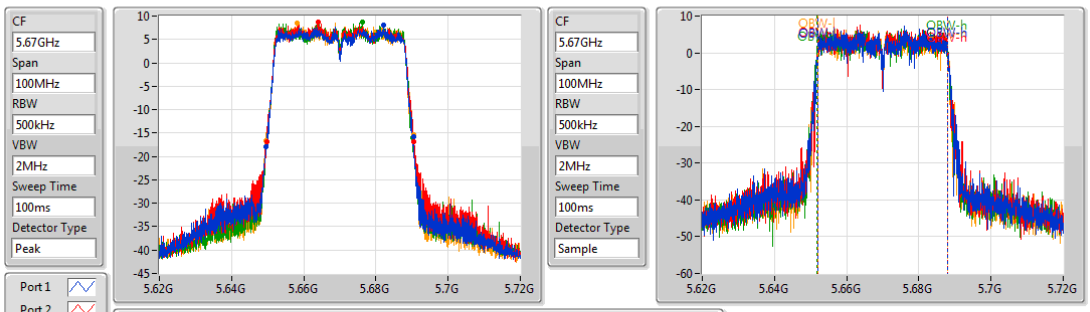


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.95M	5.5296G	5.57055G	36.082M	5.531959G	5.568041G	Inf	1
40.5M	5.52985G	5.57035G	35.932M	5.532109G	5.568041G	Inf	2
40.75M	5.5296G	5.57035G	36.182M	5.531859G	5.568041G	Inf	3
41M	5.52945G	5.57045G	36.032M	5.531959G	5.567991G	Inf	4

802.11ac VHT40_Nss4,(MCS0)_4TX **EBW**

5670MHz

12/03/2019



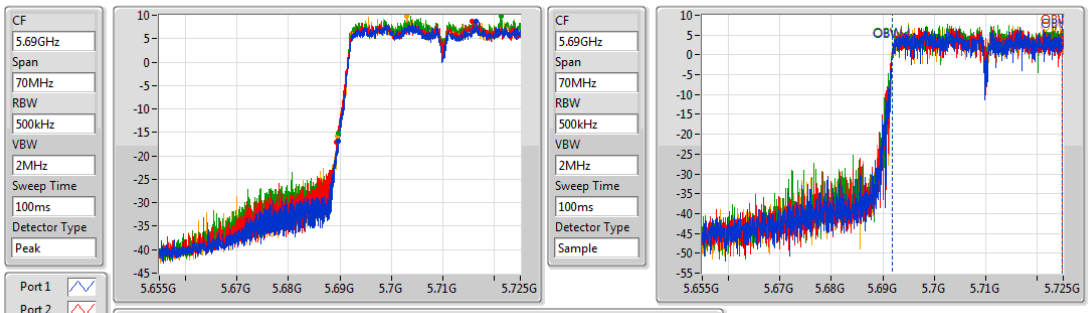
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.85M	5.6495G	5.69035G	36.132M	5.651959G	5.688091G	Inf	1
40.8M	5.6497G	5.6905G	36.082M	5.651959G	5.688041G	Inf	2
40.6M	5.6497G	5.6903G	36.232M	5.651809G	5.688041G	Inf	3
40.95M	5.6494G	5.69035G	36.182M	5.651909G	5.688091G	Inf	4

802.11ac VHT40_Nss4,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

28/03/2019



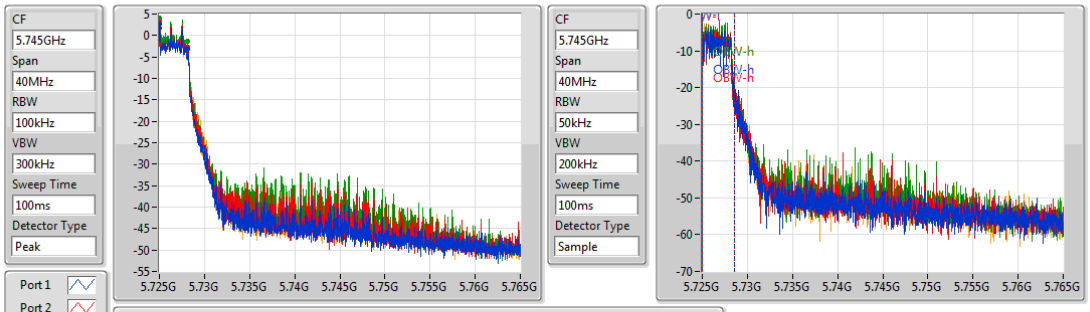
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.385M	5.689615G	5.725G	32.954M	5.691889G	5.724843G	Inf	1
35.7M	5.6893G	5.725G	32.919M	5.691924G	5.724843G	Inf	2
35.385M	5.689615G	5.725G	32.989M	5.691889G	5.724878G	Inf	3
35.56M	5.68944G	5.725G	32.919M	5.691889G	5.724808G	Inf	4

802.11ac VHT40_Nss4,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

28/03/2019



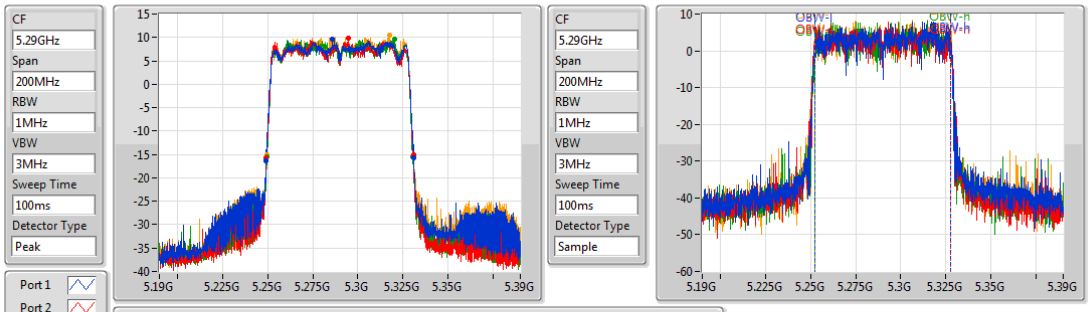
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	3.558M	5.72501G	5.728568G	500k	1
3.16M	5.725G	5.72816G	3.558M	5.72501G	5.728568G	500k	2
3.14M	5.725G	5.72814G	3.518M	5.72501G	5.728528G	500k	3
3.16M	5.725G	5.72816G	3.518M	5.72501G	5.728528G	500k	4

802.11ac VHT80_Nss4,(MCS0)_4TX

EBW

5290MHz

12/03/2019



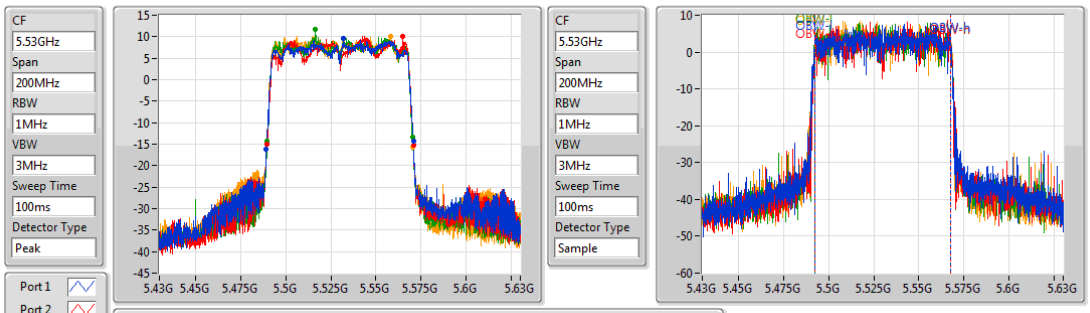
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.9M	5.2491G	5.331G	75.562M	5.252319G	5.327881G	Inf	1
81.4M	5.2493G	5.3307G	75.662M	5.252219G	5.327881G	Inf	2
81M	5.2495G	5.3305G	75.462M	5.252319G	5.327781G	Inf	3
81.3M	5.2495G	5.3308G	75.662M	5.252219G	5.327881G	Inf	4

802.11ac VHT80_Nss4,(MCS0)_4TX

EBW

5530MHz

12/03/2019



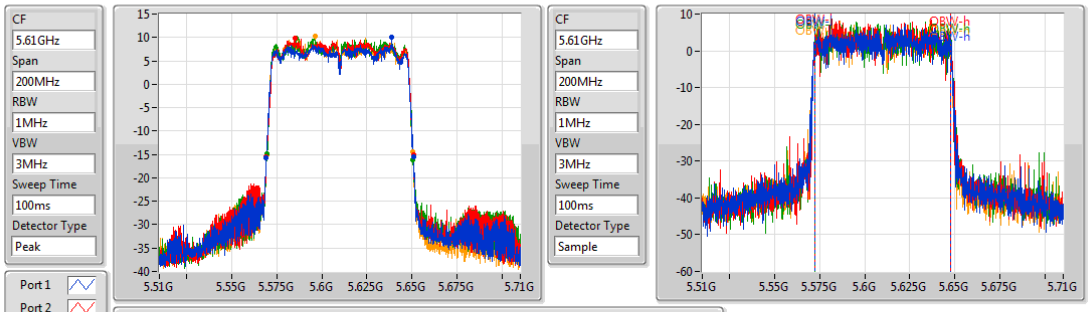
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.8M	5.489G	5.5708G	75.462M	5.492319G	5.567781G	Inf	1
81.3M	5.4895G	5.5708G	75.262M	5.492619G	5.567881G	Inf	2
80.7M	5.4897G	5.5704G	75.462M	5.492219G	5.567681G	Inf	3
81.1M	5.4894G	5.5705G	75.562M	5.492219G	5.567781G	Inf	4

802.11ac VHT80_Nss4,(MCS0)_4TX

EBW

5610MHz

12/03/2019



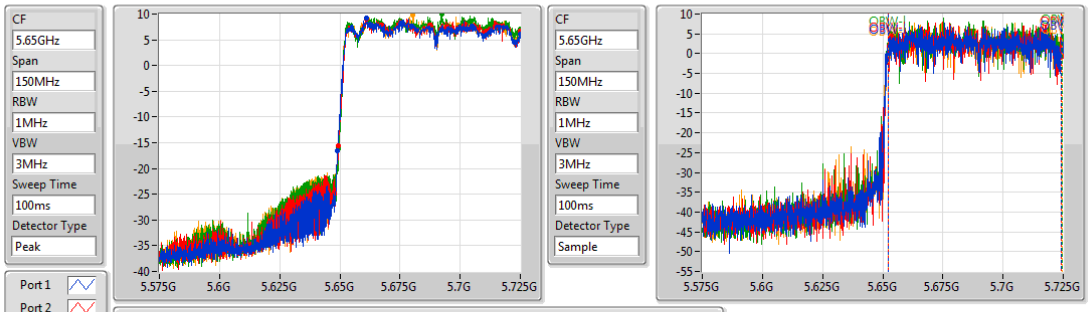
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.6M	5.5692G	5.6508G	75.662M	5.572119G	5.647781G	Inf	1
81.4M	5.5693G	5.6507G	75.462M	5.572319G	5.647781G	Inf	2
81.2M	5.5694G	5.6506G	75.662M	5.572219G	5.647881G	Inf	3
81.1M	5.5694G	5.6505G	75.562M	5.572219G	5.647781G	Inf	4

802.11ac VHT80_Nss4,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

28/03/2019

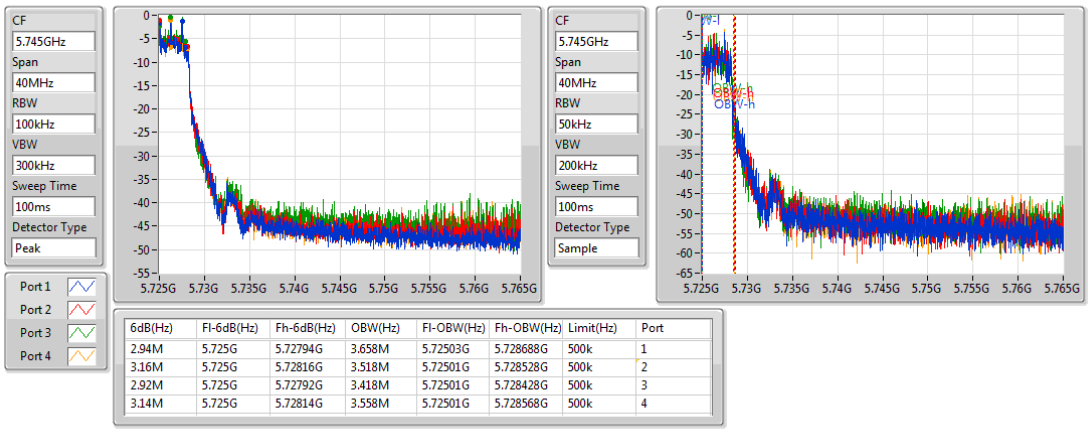


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.975M	5.649025G	5.725G	72.264M	5.652099G	5.724363G	Inf	1
75.75M	5.64925G	5.725G	72.189M	5.652174G	5.724363G	Inf	2
75.525M	5.649475G	5.725G	72.489M	5.652174G	5.724663G	Inf	3
75.75M	5.64925G	5.725G	72.489M	5.652099G	5.724588G	Inf	4

802.11ac VHT80_Nss4,(MCS0)_4TX **EBW**

5690MHz Straddle 5.725-5.85GHz

28/03/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.94M	5.725G	5.72794G	3.658M	5.72503G	5.728688G	500k	1
3.16M	5.725G	5.72816G	3.518M	5.72501G	5.728528G	500k	2
2.92M	5.725G	5.72792G	3.418M	5.72501G	5.728428G	500k	3
3.14M	5.725G	5.72814G	3.558M	5.72501G	5.728568G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	23.77	0.23823	27.71	0.59020
802.11ac VHT20_Nss4,(MCS0)_4TX	23.56	0.22699	27.69	0.58749
802.11ac VHT40_Nss4,(MCS0)_4TX	23.87	0.24378	28.09	0.64417
802.11ac VHT80_Nss4,(MCS0)_4TX	23.79	0.23933	27.71	0.59020
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	23.79	0.23933	29.02	0.79799
802.11ac VHT20_Nss4,(MCS0)_4TX	23.78	0.23878	29.05	0.80353
802.11ac VHT40_Nss4,(MCS0)_4TX	23.85	0.24266	29.17	0.82604
802.11ac VHT80_Nss4,(MCS0)_4TX	23.97	0.24946	29.29	0.84918
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	14.31	0.02698	19.68	0.09290
802.11ac VHT20_Nss4,(MCS0)_4TX	14.90	0.03090	20.27	0.10641
802.11ac VHT40_Nss4,(MCS0)_4TX	12.36	0.01722	17.18	0.05224
802.11ac VHT80_Nss4,(MCS0)_4TX	7.87	0.00612	13.19	0.02084

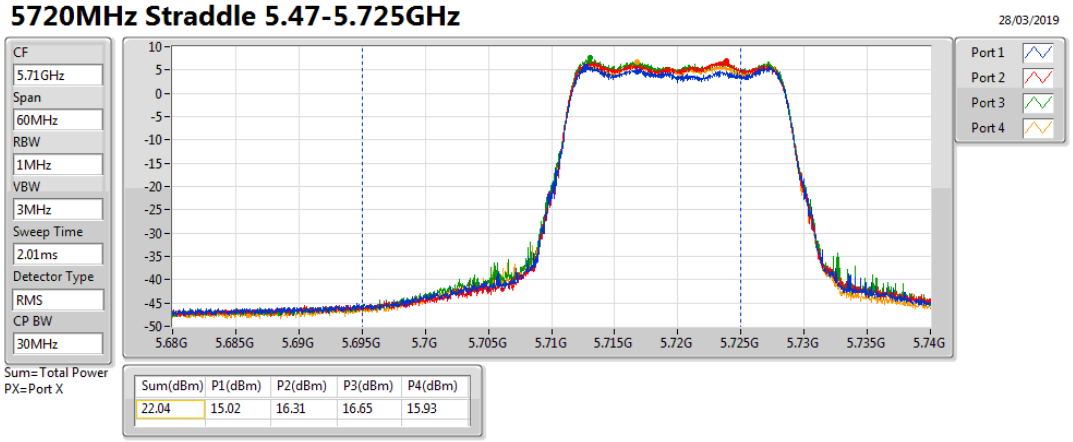
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	3.92	17.70	17.66	17.65	17.98	23.77	23.95	27.69	29.95
5300MHz_TnomVnom	Pass	4.22	17.58	17.20	17.11	17.92	23.49	23.98	27.71	29.98
5320MHz_TnomVnom	Pass	4.22	17.23	17.39	17.88	17.33	23.49	23.98	27.71	29.98
5500MHz_TnomVnom	Pass	5.32	16.49	16.54	17.56	17.95	23.20	23.93	28.52	29.93
5580MHz_TnomVnom	Pass	4.82	17.20	17.91	18.12	17.78	23.79	23.98	28.61	29.98
5700MHz_TnomVnom	Pass	5.37	17.04	17.75	18.16	17.50	23.65	23.98	29.02	29.98
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.37	15.02	16.31	16.65	15.93	22.04	22.73	27.41	28.73
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.37	7.83	8.19	8.66	8.44	14.31	30.00	19.68	36.00
802.11ac VHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	3.92	17.40	17.50	17.60	17.66	23.56	24.00	27.48	30.00
5300MHz_TnomVnom	Pass	4.22	17.53	17.24	17.24	17.76	23.47	24.00	27.69	30.00
5320MHz_TnomVnom	Pass	4.22	17.16	17.18	17.84	16.88	23.30	24.00	27.52	30.00
5500MHz_TnomVnom	Pass	5.32	17.15	16.87	17.71	17.95	23.46	24.00	28.78	30.00
5580MHz_TnomVnom	Pass	4.82	17.30	18.00	17.96	17.73	23.78	24.00	28.60	30.00
5700MHz_TnomVnom	Pass	5.37	17.31	17.92	17.88	17.49	23.68	24.00	29.05	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.37	16.47	16.31	16.84	16.14	22.47	22.77	27.84	28.77
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.37	9.01	8.83	8.60	9.06	14.90	30.00	20.27	36.00
802.11ac VHT40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	3.92	17.68	17.57	17.76	17.83	23.73	24.00	27.65	30.00
5310MHz_TnomVnom	Pass	4.22	17.64	17.81	18.41	17.48	23.87	24.00	28.09	30.00
5510MHz_TnomVnom	Pass	5.32	17.33	17.48	18.14	18.28	23.85	24.00	29.17	30.00
5550MHz_TnomVnom	Pass	4.82	17.35	17.91	17.68	18.07	23.78	24.00	28.60	30.00
5670MHz_TnomVnom	Pass	4.82	18.08	17.98	17.75	17.47	23.85	24.00	28.67	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	4.82	17.43	17.88	18.20	17.77	23.85	24.00	28.67	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	4.82	5.83	6.34	7.08	6.01	12.36	30.00	17.18	36.00
802.11ac VHT80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	3.92	17.51	17.31	17.98	18.23	23.79	24.00	27.71	30.00
5530MHz_TnomVnom	Pass	5.32	17.72	17.87	18.07	18.13	23.97	24.00	29.29	30.00
5610MHz_TnomVnom	Pass	5.32	17.44	18.25	18.18	17.64	23.91	24.00	29.23	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.32	17.54	17.80	18.29	17.71	23.86	24.00	29.18	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.32	1.18	1.82	2.55	1.72	7.87	30.00	13.19	36.00

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

802.11a_Nss1,(6Mbps)_4TX **AV Power**

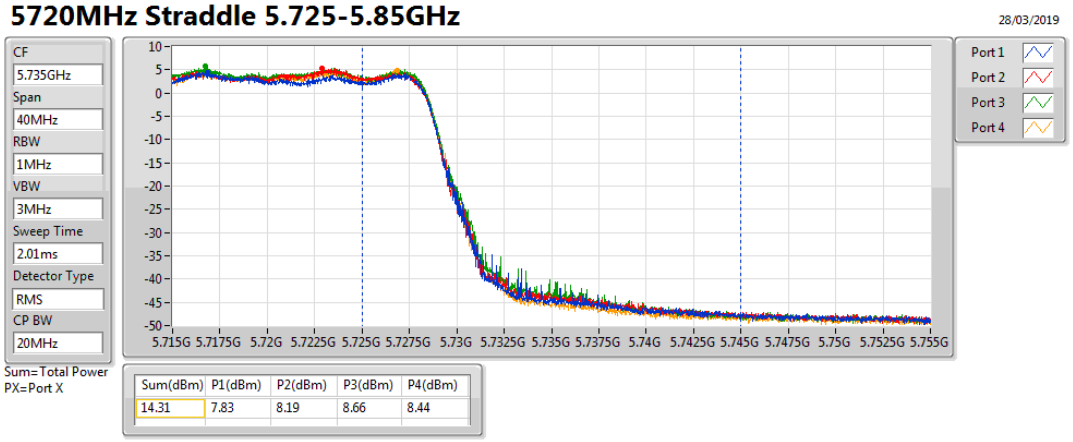
5720MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.04	15.02	16.31	16.65	15.93

802.11a_Nss1,(6Mbps)_4TX **AV Power**

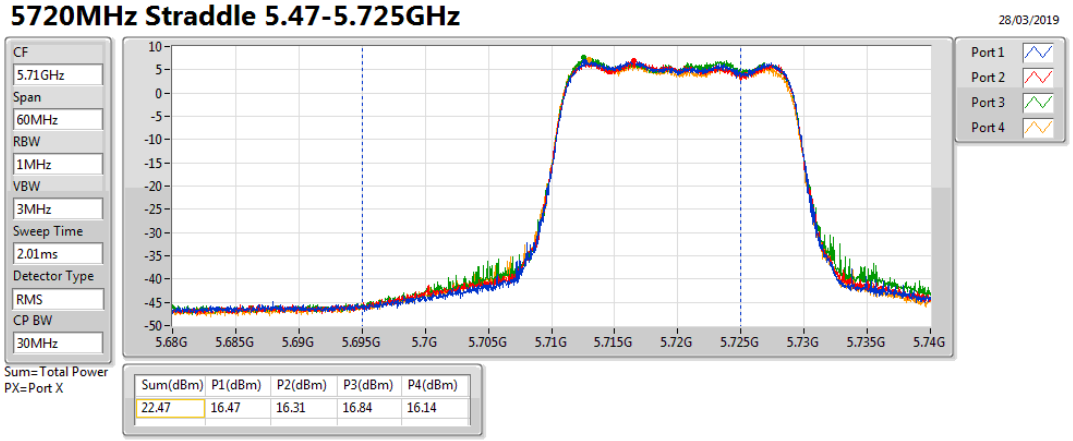
5720MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.31	7.83	8.19	8.66	8.44

802.11ac VHT20_Nss4,(MCS0)_4TX **AV Power**

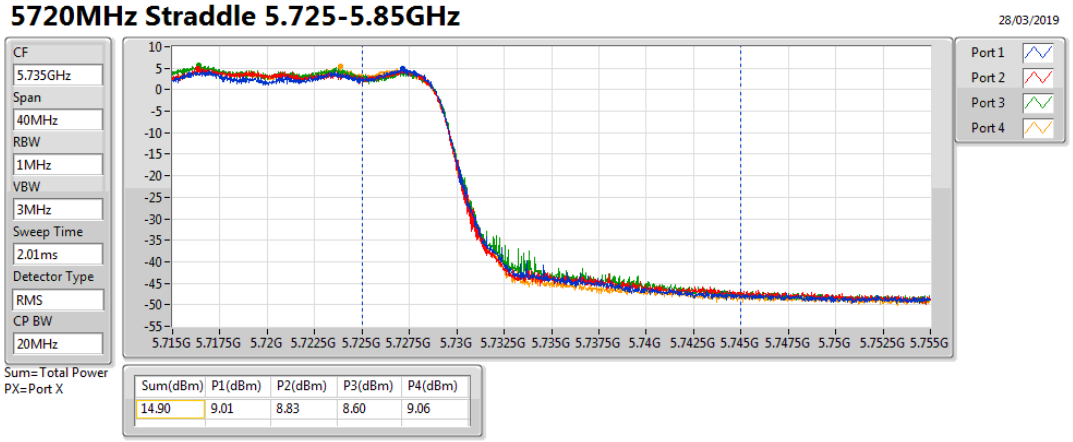
5720MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.47	16.47	16.31	16.84	16.14

802.11ac VHT20_Nss4,(MCS0)_4TX **AV Power**

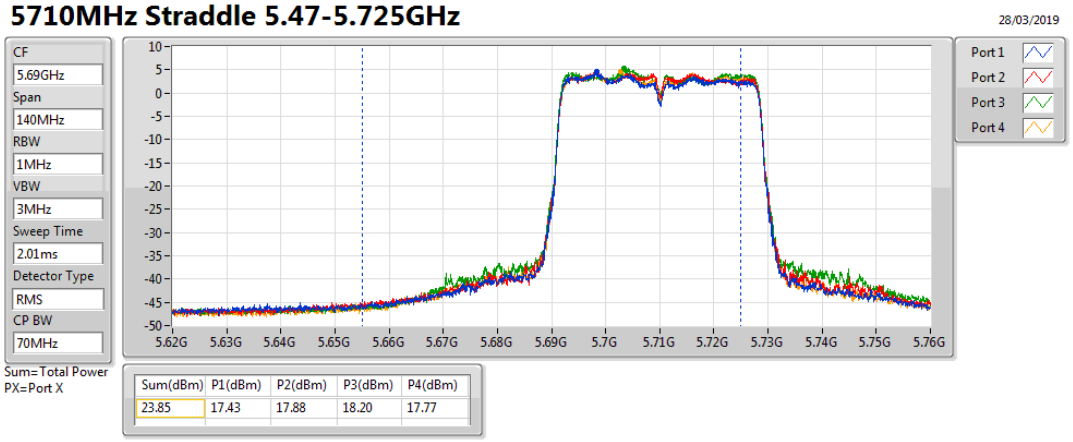
5720MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.90	9.01	8.83	8.60	9.06

802.11ac VHT40_Nss4,(MCS0)_4TX **AV Power**

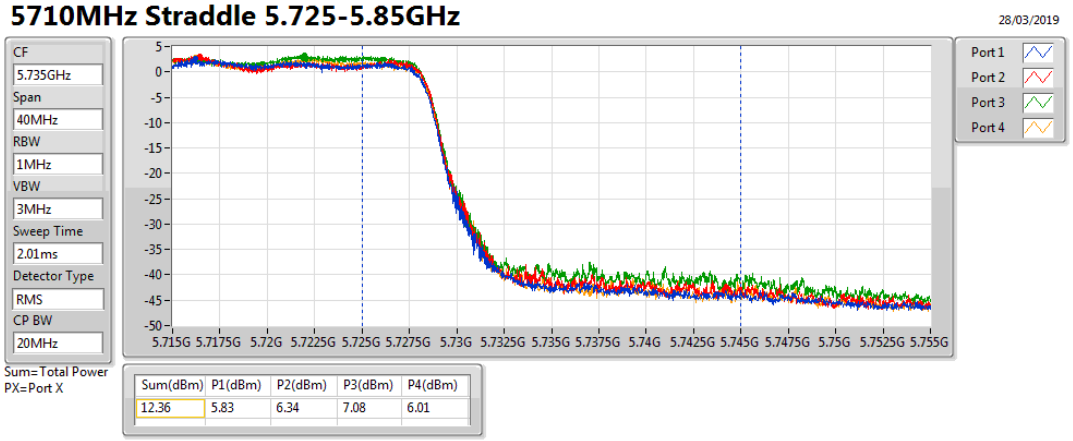
5710MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.85	17.43	17.88	18.20	17.77

802.11ac VHT40_Nss4,(MCS0)_4TX **AV Power**

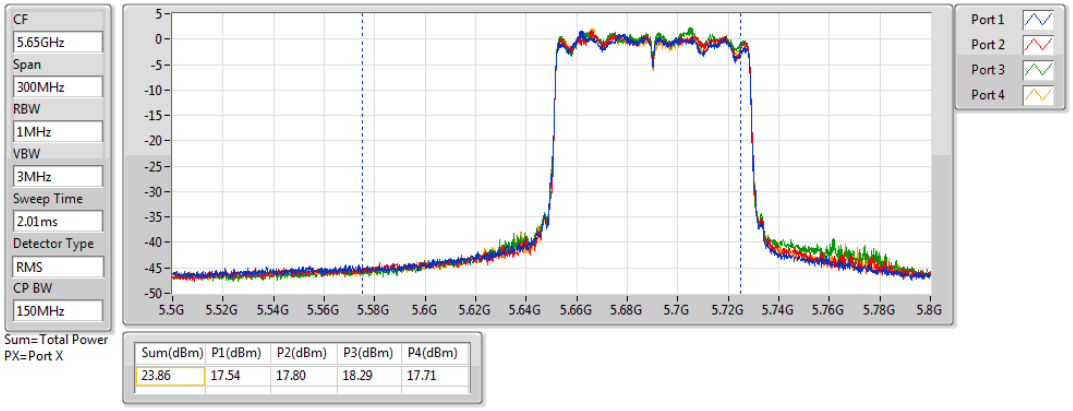
5710MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
12.36	5.83	6.34	7.08	6.01

802.11ac VHT80_Nss4,(MCS0)_4TX **AV Power**

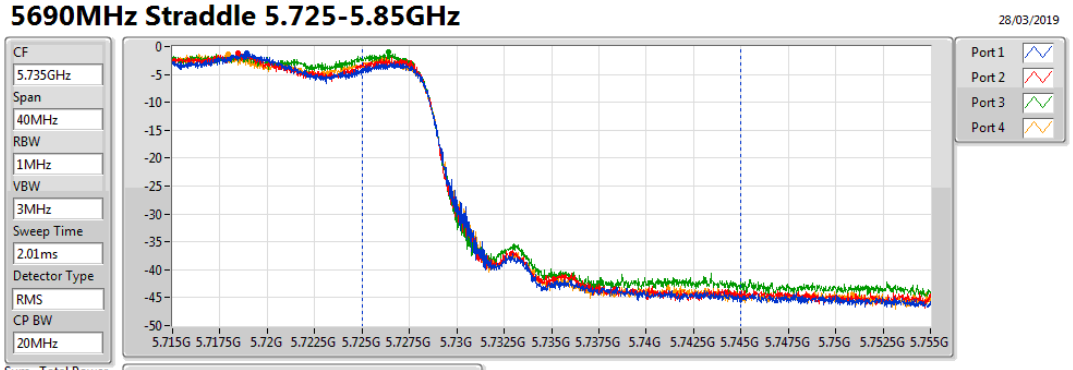
5690MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.86	17.54	17.80	18.29	17.71

802.11ac VHT80_Nss4,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
7.87	1.18	1.82	2.55	1.72

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	10.89	15.00
802.11ac VHT20_Nss4,(MCS0)_4TX	10.80	14.98
802.11ac VHT40_Nss4,(MCS0)_4TX	8.25	12.29
802.11ac VHT80_Nss4,(MCS0)_4TX	5.61	9.53
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	10.89	16.18
802.11ac VHT20_Nss4,(MCS0)_4TX	10.93	16.30
802.11ac VHT40_Nss4,(MCS0)_4TX	8.53	13.35
802.11ac VHT80_Nss4,(MCS0)_4TX	5.66	10.98
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	7.41	12.78
802.11ac VHT20_Nss4,(MCS0)_4TX	7.43	12.80
802.11ac VHT40_Nss4,(MCS0)_4TX	5.02	9.84
802.11ac VHT80_Nss4,(MCS0)_4TX	0.81	6.13

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

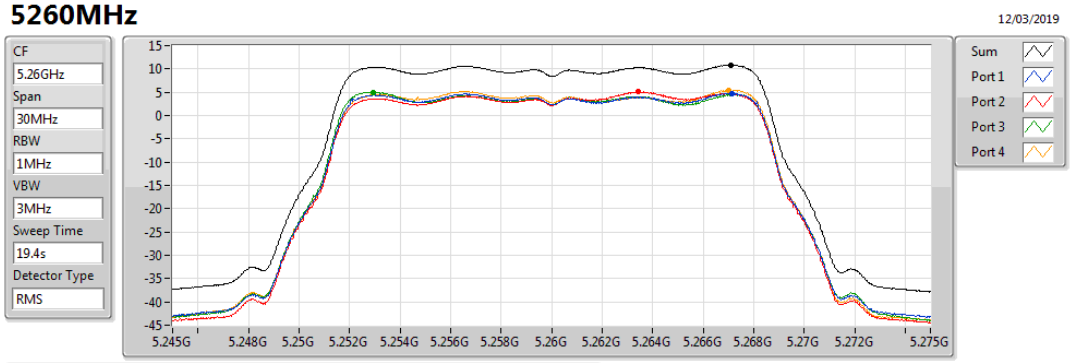
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	3.92	4.75	5.05	5.03	5.46	10.89	11.00	14.81	17.00
5300MHz_TnomVnom	Pass	4.22	5.43	4.63	4.70	5.51	10.76	11.00	14.98	17.00
5320MHz_TnomVnom	Pass	4.22	4.57	4.76	5.52	5.02	10.78	11.00	15.00	17.00
5500MHz_TnomVnom	Pass	5.32	3.88	4.63	5.51	5.17	10.55	11.00	15.87	17.00
5580MHz_TnomVnom	Pass	4.82	4.65	5.50	5.15	5.01	10.89	11.00	15.71	17.00
5700MHz_TnomVnom	Pass	5.37	4.51	4.81	6.03	4.89	10.81	11.00	16.18	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.37	4.50	4.88	5.34	4.10	10.63	11.00	16.00	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.37	1.49	1.26	2.29	1.48	7.41	30.00	12.78	36.00
802.11ac VHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	3.92	5.15	5.08	5.05	5.40	10.80	11.00	14.72	17.00
5300MHz_TnomVnom	Pass	4.22	4.75	5.05	4.85	5.44	10.76	11.00	14.98	17.00
5320MHz_TnomVnom	Pass	4.22	4.66	4.81	5.07	5.67	10.64	11.00	14.86	17.00
5500MHz_TnomVnom	Pass	5.32	4.46	4.47	5.34	6.17	10.55	11.00	15.87	17.00
5580MHz_TnomVnom	Pass	4.82	4.61	5.65	5.05	5.06	10.93	11.00	15.75	17.00
5700MHz_TnomVnom	Pass	5.37	4.48	5.24	5.87	4.94	10.78	11.00	16.15	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.37	4.06	4.94	5.87	5.28	10.93	11.00	16.30	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.37	1.42	2.15	1.84	1.94	7.43	30.00	12.80	36.00
802.11ac VHT40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	3.92	2.37	2.48	2.60	2.91	8.25	11.00	12.17	17.00
5310MHz_TnomVnom	Pass	4.22	1.80	2.59	2.70	1.91	8.07	11.00	12.29	17.00
5510MHz_TnomVnom	Pass	5.32	1.77	2.55	3.15	2.47	8.02	11.00	13.34	17.00
5550MHz_TnomVnom	Pass	4.82	1.41	2.70	2.69	2.18	7.75	11.00	12.57	17.00
5670MHz_TnomVnom	Pass	4.82	1.69	2.29	1.89	1.48	7.65	11.00	12.47	17.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	4.82	2.32	2.49	3.37	2.67	8.53	11.00	13.35	17.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	4.82	-0.92	-0.55	0.14	-0.96	5.02	30.00	9.84	36.00
802.11ac VHT80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	3.92	-0.03	-0.01	-0.21	0.40	5.61	11.00	9.53	17.00
5530MHz_TnomVnom	Pass	5.32	-0.11	0.36	0.15	-0.28	5.66	11.00	10.98	17.00
5610MHz_TnomVnom	Pass	5.32	-1.01	-0.01	-0.21	-0.80	5.00	11.00	10.32	17.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.32	-0.75	-0.80	-0.42	-0.69	5.04	11.00	10.36	17.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.32	-4.70	-5.29	-4.60	-5.27	0.81	30.00	6.13	36.00

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

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

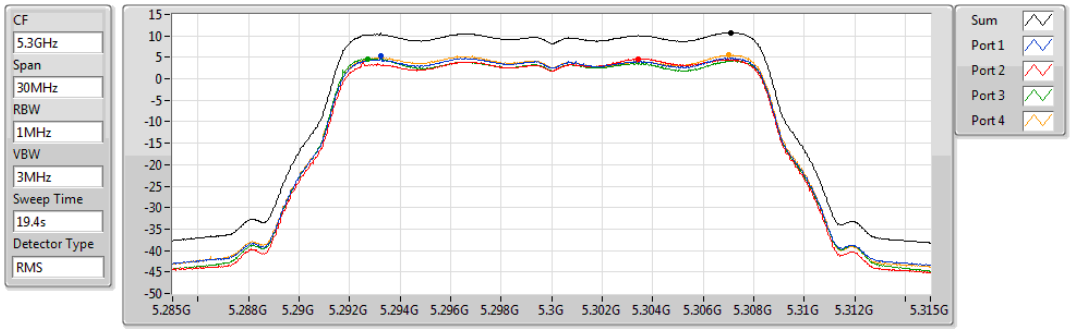
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.89	10.89	4.75	5.05	5.03	5.46

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

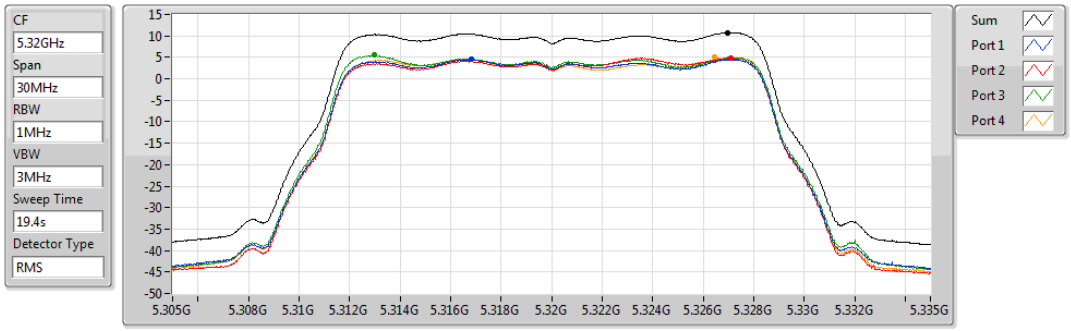
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.76	10.76	5.43	4.63	4.70	5.51

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

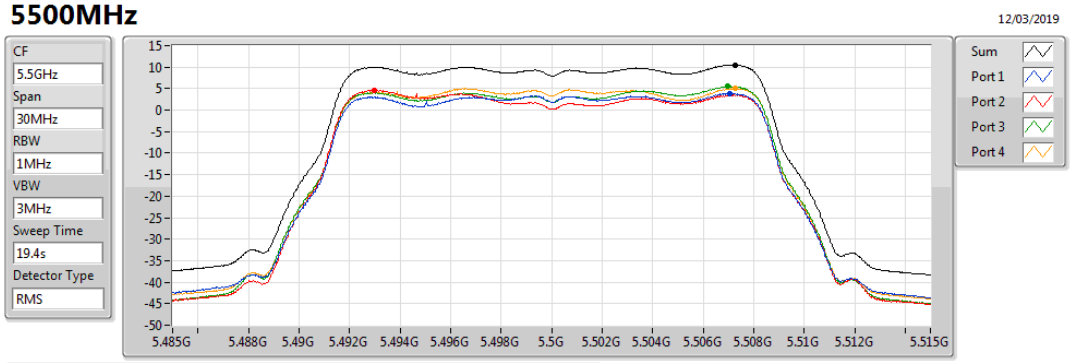
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.78	10.78	4.57	4.76	5.52	5.02

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

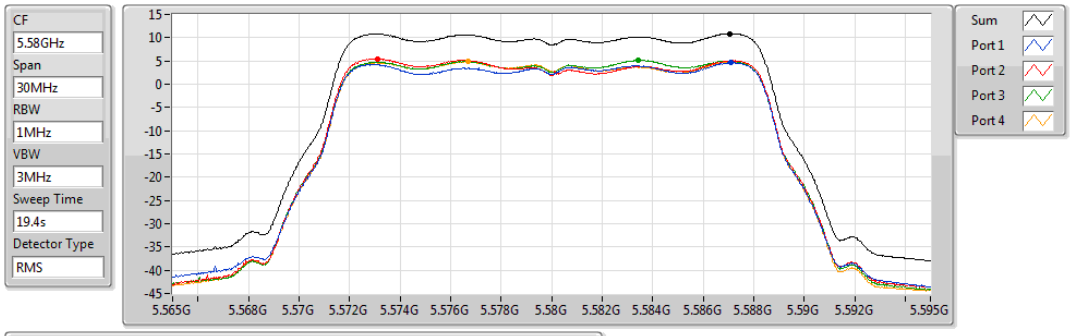
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.55	10.55	3.88	4.63	5.51	5.17

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

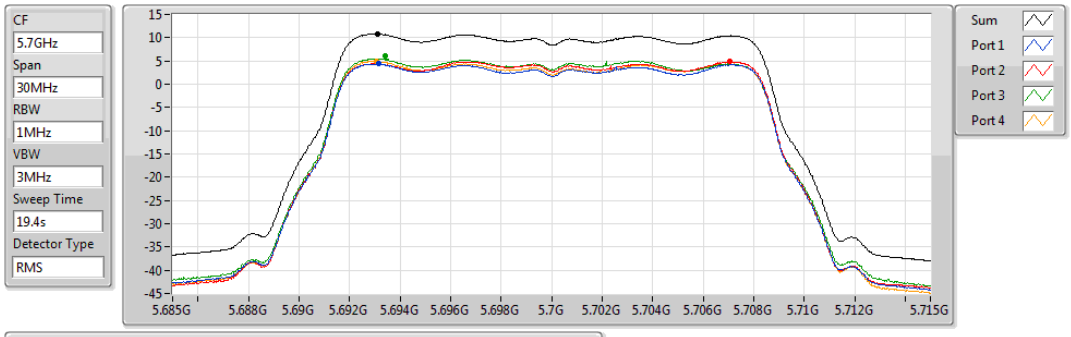
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.89	10.89	4.65	5.50	5.15	5.01

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

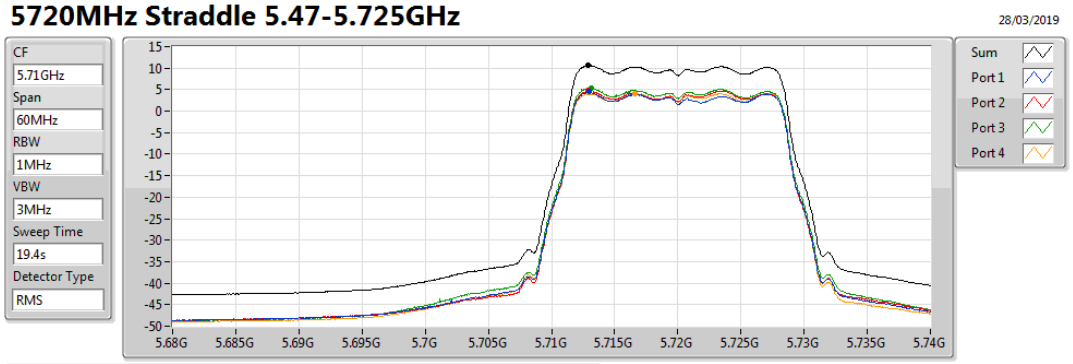
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.81	10.81	4.51	4.81	6.03	4.89

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

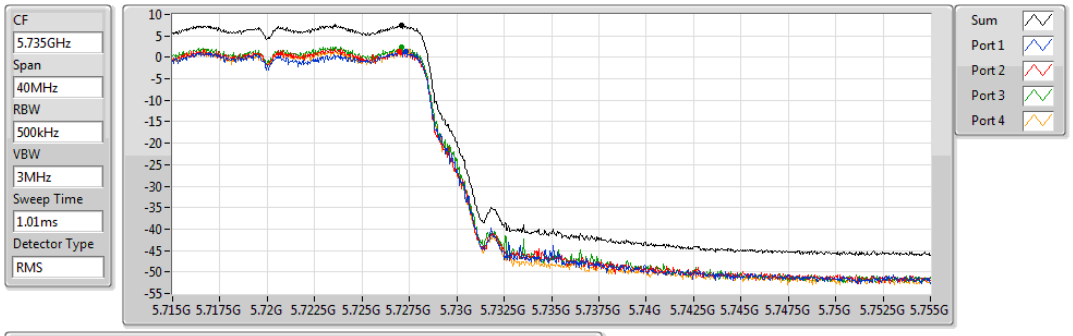
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.63	10.63	4.50	4.88	5.34	4.10

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

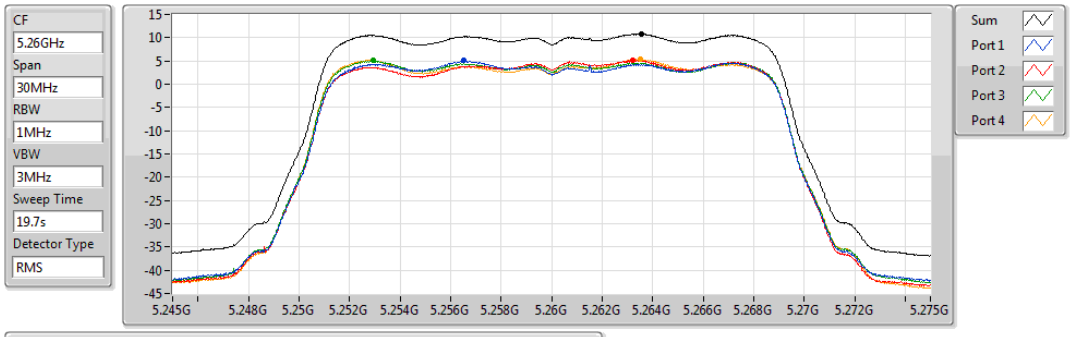
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.41	7.41	1.49	1.26	2.29	1.48

802.11ac VHT20_Nss4,(MCS0)_4TX **PSD**

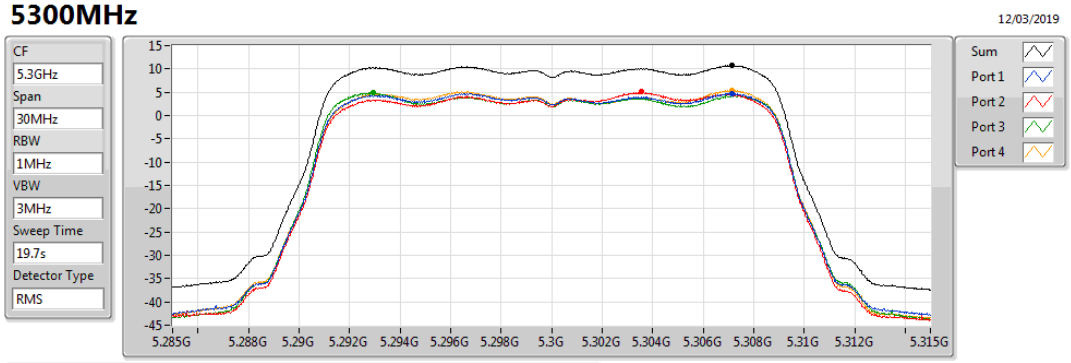
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.80	10.80	5.15	5.08	5.05	5.40

802.11ac VHT20_Nss4,(MCS0)_4TX PSD

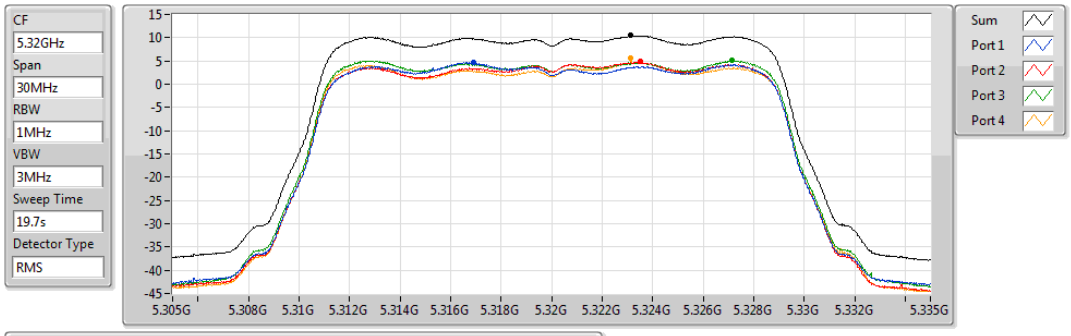
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.76	10.76	4.75	5.05	4.85	5.44

802.11ac VHT20_Nss4,(MCS0)_4TX PSD

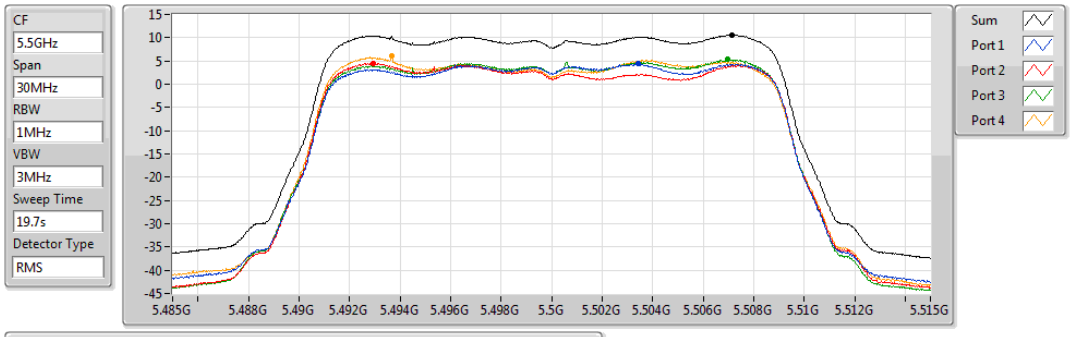
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.64	10.64	4.66	4.81	5.07	5.67

802.11ac VHT20_Nss4,(MCS0)_4TX PSD

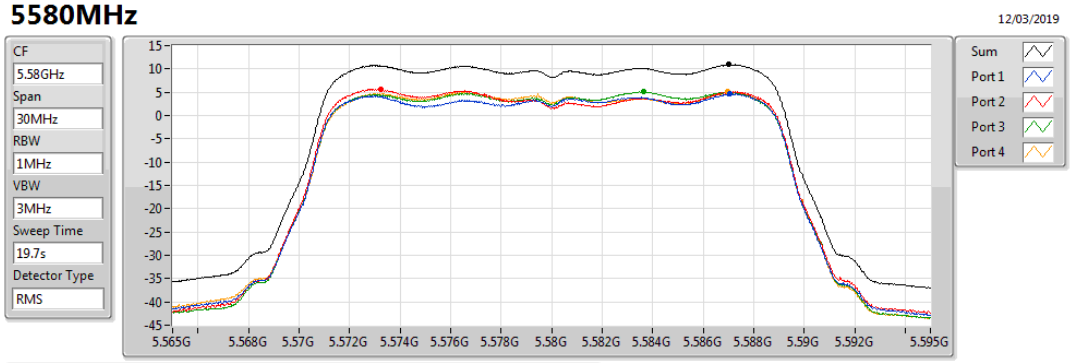
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.55	10.55	4.46	4.47	5.34	6.17

802.11ac VHT20_Nss4,(MCS0)_4TX PSD

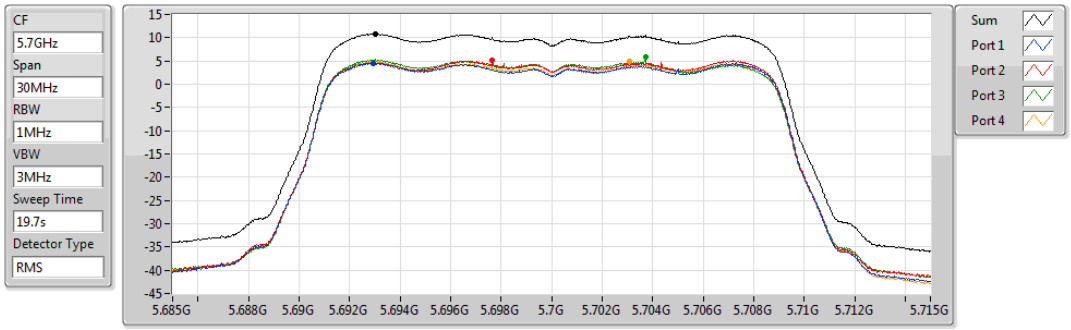
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.93	10.93	4.61	5.65	5.05	5.06

802.11ac VHT20_Nss4,(MCS0)_4TX PSD

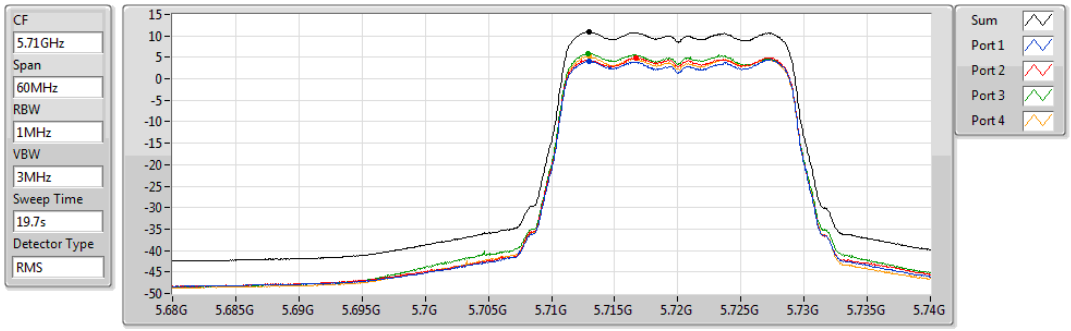
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.78	10.78	4.48	5.24	5.87	4.94

802.11ac VHT20_Nss4,(MCS0)_4TX PSD

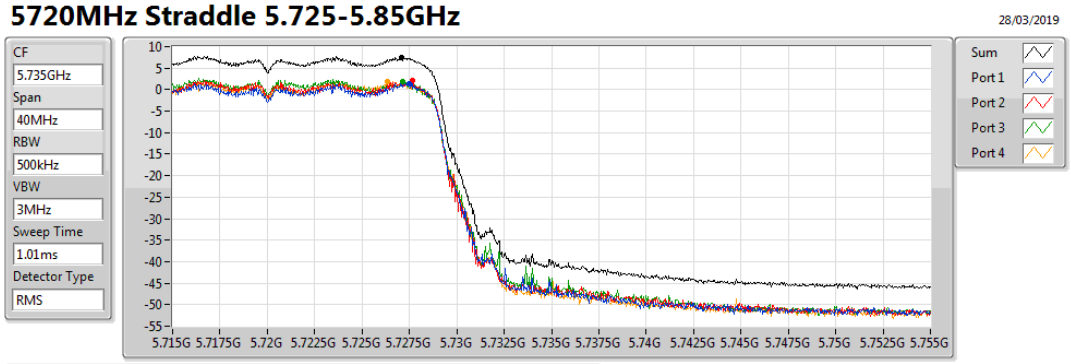
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.93	10.93	4.06	4.94	5.87	5.28

802.11ac VHT20_Nss4,(MCS0)_4TX PSD

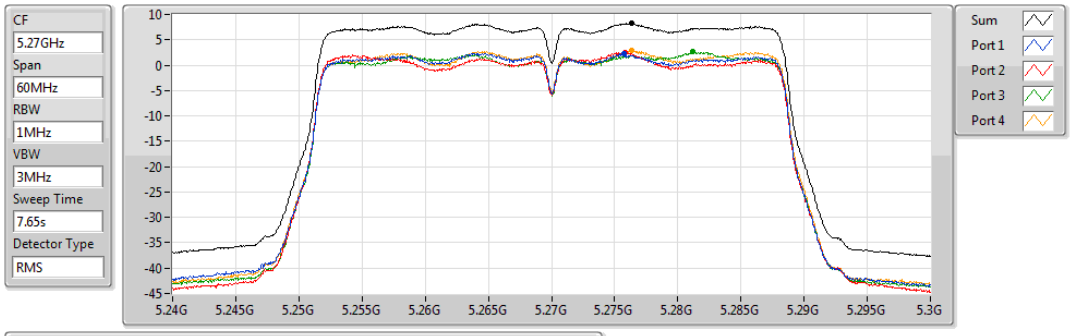
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.43	7.43	1.42	2.15	1.84	1.94

802.11ac VHT40_Nss4,(MCS0)_4TX PSD

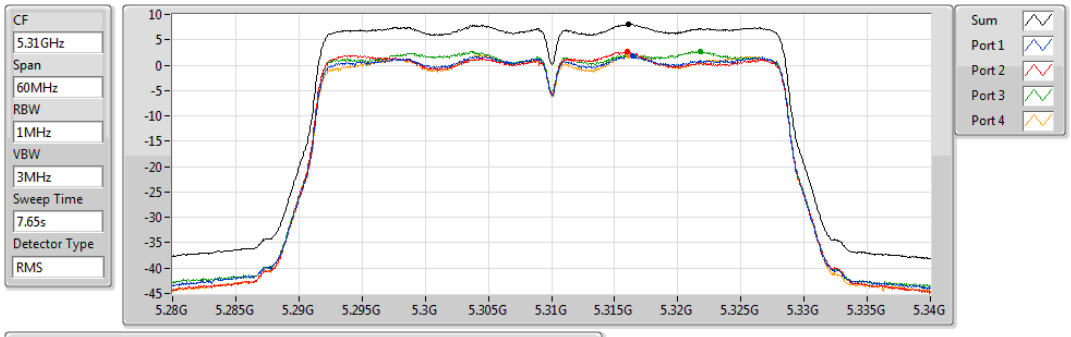
5270MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.25	8.25	2.37	2.48	2.60	2.91

802.11ac VHT40_Nss4,(MCS0)_4TX PSD

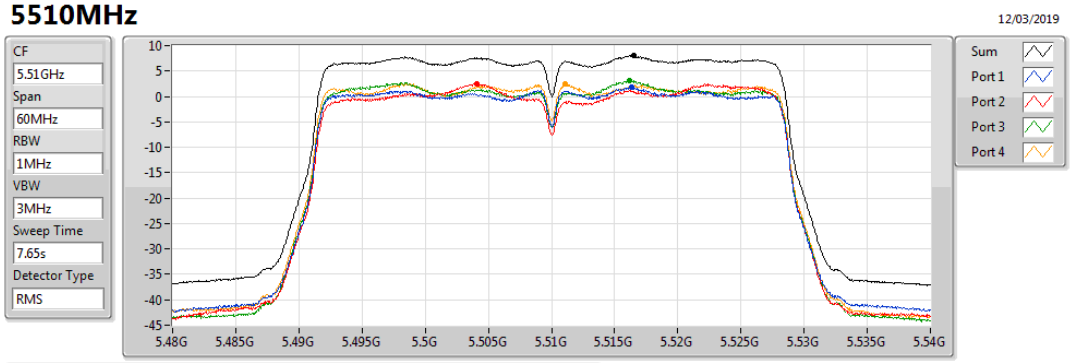
5310MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.07	8.07	1.80	2.59	2.70	1.91

802.11ac VHT40_Nss4,(MCS0)_4TX PSD

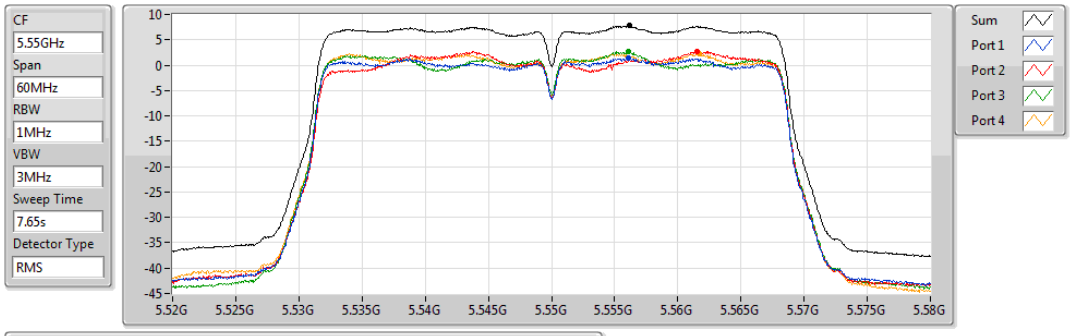
5510MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.02	8.02	1.77	2.55	3.15	2.47

802.11ac VHT40_Nss4,(MCS0)_4TX PSD

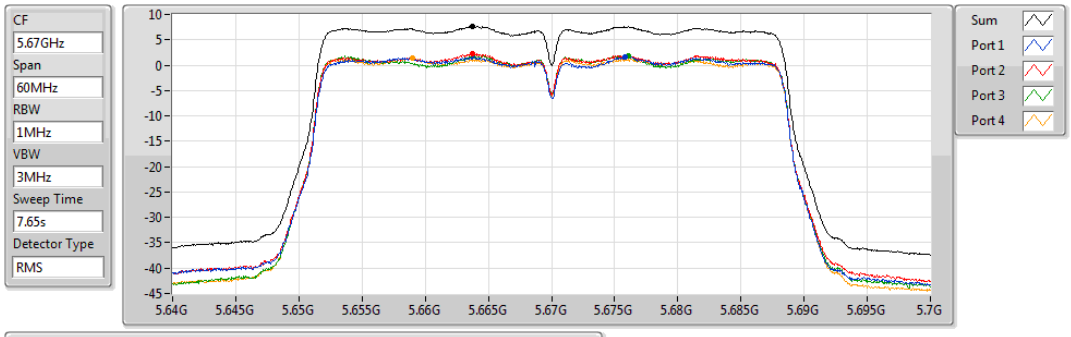
5550MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.75	7.75	1.41	2.70	2.69	2.18

802.11ac VHT40_Nss4,(MCS0)_4TX PSD

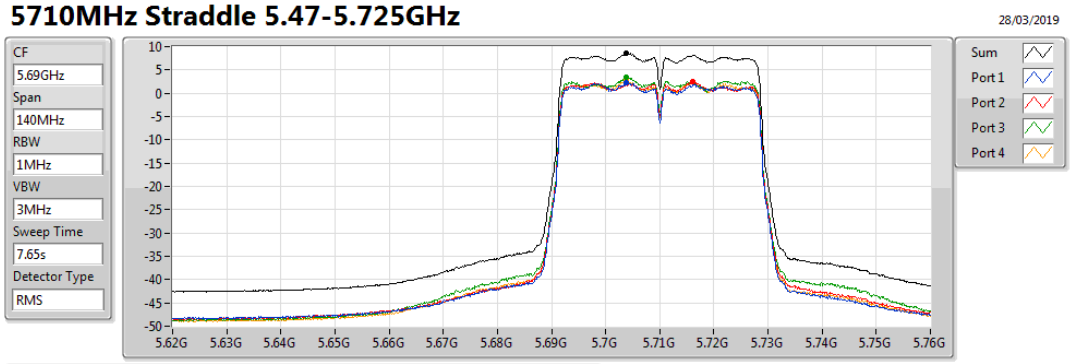
5670MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.65	7.65	1.69	2.29	1.89	1.48

802.11ac VHT40_Nss4,(MCS0)_4TX PSD

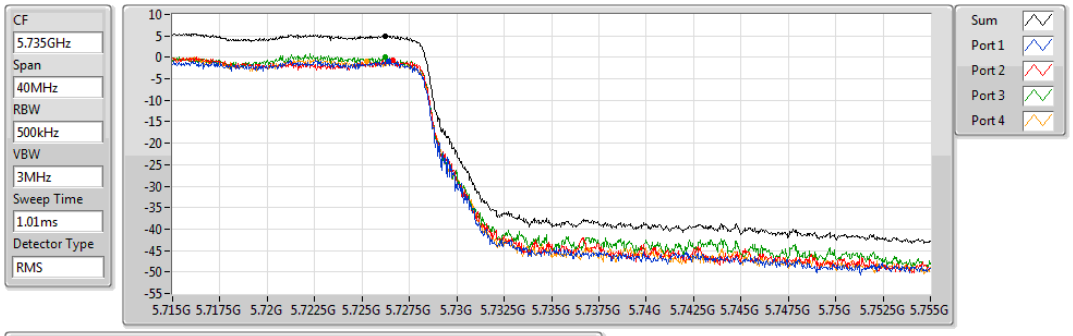
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.53	8.53	2.32	2.49	3.37	2.67

802.11ac VHT40_Nss4,(MCS0)_4TX PSD

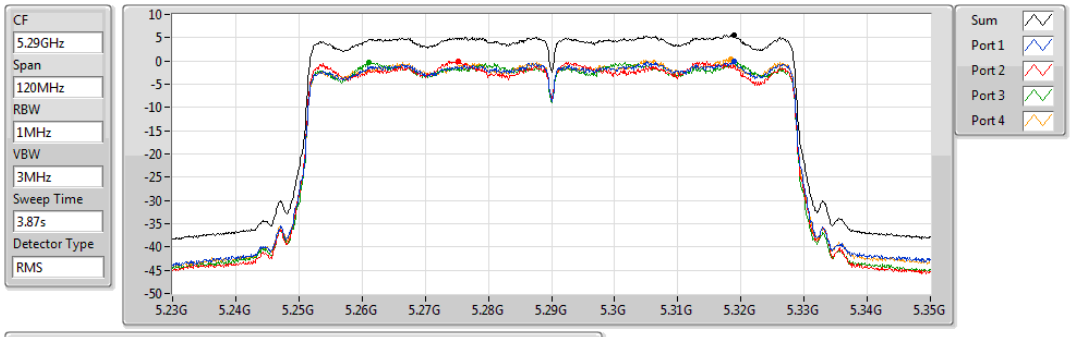
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.02	5.02	-0.92	-0.55	0.14	-0.96

802.11ac VHT80_Nss4,(MCS0)_4TX PSD

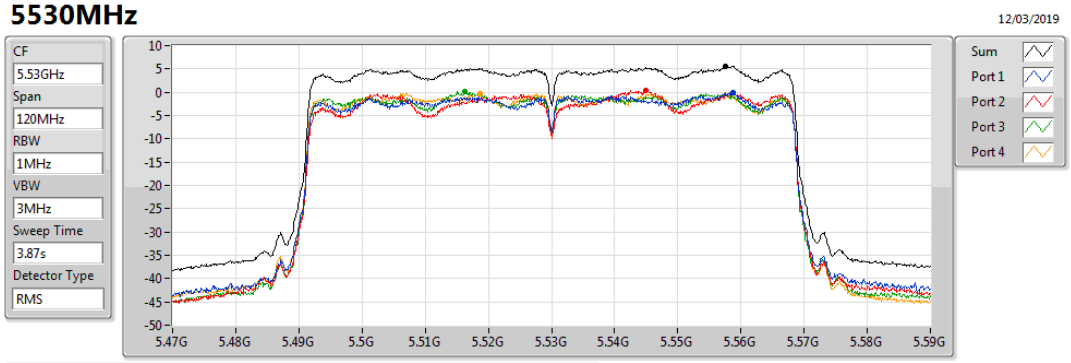
5290MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.61	5.61	-0.03	-0.01	-0.21	0.40

802.11ac VHT80_Nss4,(MCS0)_4TX PSD

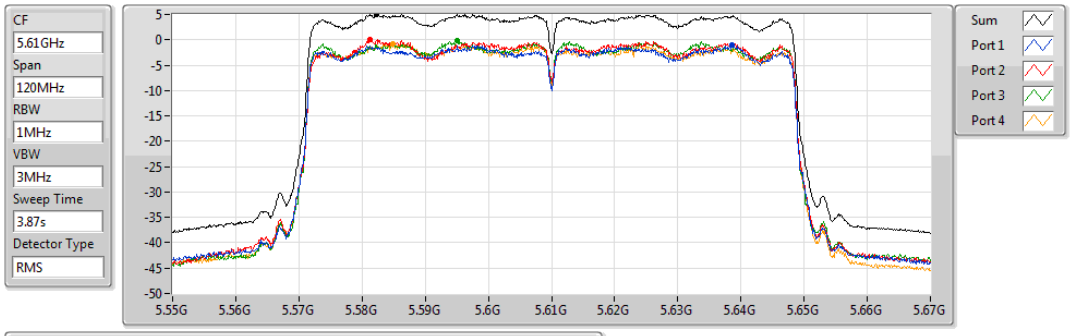
5530MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.66	5.66	-0.11	0.36	0.15	-0.28

802.11ac VHT80_Nss4,(MCS0)_4TX PSD

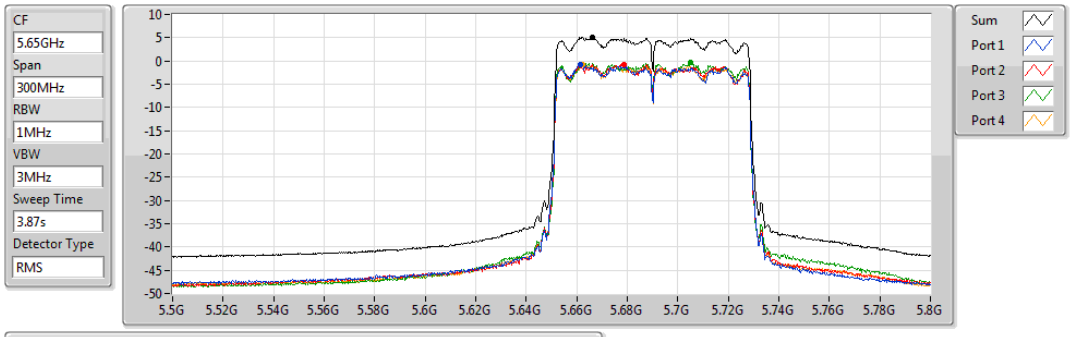
5610MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.00	5.00	-1.01	-0.01	-0.21	-0.80

802.11ac VHT80_Nss4,(MCS0)_4TX PSD

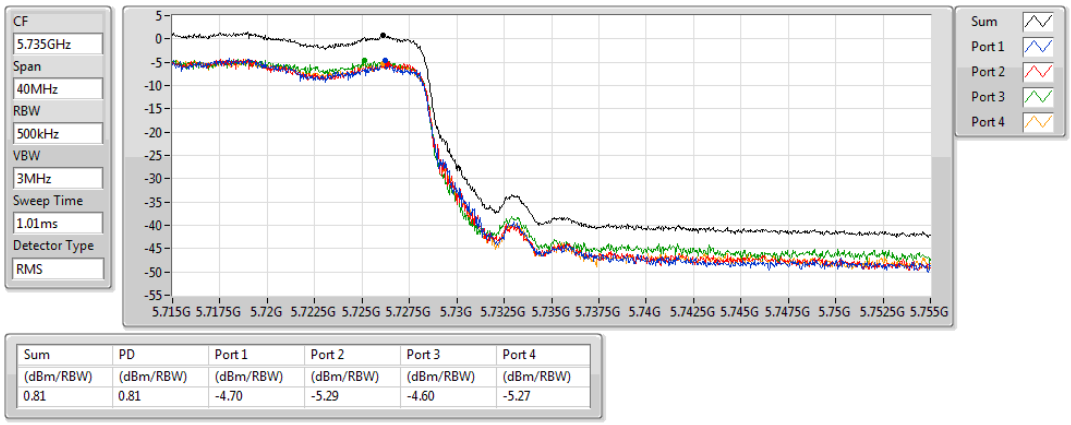
5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.04	5.04	-0.75	-0.80	-0.42	-0.69

802.11ac VHT80_Nss4,(MCS0)_4TX **PSD**

5690MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.81	0.81	-4.70	-5.29	-4.60	-5.27

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	10.52292G	53.91	54.00	-0.09	14.80	3	Vertical	227	1.83	-
802.11ac VHT20_Nss4,(MCS0)_4TX	Pass	AV	10.52012G	53.77	54.00	-0.23	14.80	3	Vertical	0	1.09	-
802.11ac VHT40_Nss4,(MCS0)_4TX	Pass	AV	5.3632G	53.92	54.00	-0.08	4.40	3	Horizontal	327	2.92	-
802.11ac VHT80_Nss4,(MCS0)_4TX	Pass	AV	5.354G	53.91	54.00	-0.09	4.38	3	Horizontal	0	1.50	-
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	16.7382G	53.63	54.00	-0.37	16.84	3	Horizontal	223	1.28	-
802.11ac VHT20_Nss4,(MCS0)_4TX	Pass	PK	5.7316G	68.05	68.20	-0.15	5.09	3	Horizontal	337	2.91	-
802.11ac VHT40_Nss4,(MCS0)_4TX	Pass	PK	5.7312G	67.73	68.20	-0.47	5.09	3	Horizontal	338	1.00	-
802.11ac VHT80_Nss4,(MCS0)_4TX	Pass	PK	5.462G	68.11	68.20	-0.09	4.53	3	Horizontal	321	2.96	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.1442G	46.40	54.00	-7.60	4.14	3	Vertical	340	2.93	-
5260MHz	Pass	AV	5.2666G	108.60	Inf	-Inf	4.29	3	Vertical	340	2.93	-
5260MHz	Pass	AV	5.3524G	46.54	54.00	-7.46	4.38	3	Vertical	340	2.93	-
5260MHz	Pass	PK	5.1322G	59.07	74.00	-14.93	4.12	3	Vertical	340	2.93	-
5260MHz	Pass	PK	5.2672G	118.46	Inf	-Inf	4.29	3	Vertical	340	2.93	-
5260MHz	Pass	PK	5.3602G	60.15	74.00	-13.85	4.40	3	Vertical	340	2.93	-
5260MHz	Pass	AV	5.1436G	46.64	54.00	-7.36	4.14	3	Horizontal	333	1.50	-
5260MHz	Pass	AV	5.2534G	109.15	Inf	-Inf	4.27	3	Horizontal	333	1.50	-
5260MHz	Pass	AV	5.3524G	47.00	54.00	-7.00	4.38	3	Horizontal	333	1.50	-
5260MHz	Pass	PK	5.1208G	59.05	74.00	-14.95	4.09	3	Horizontal	333	1.50	-
5260MHz	Pass	PK	5.254G	119.05	Inf	-Inf	4.27	3	Horizontal	333	1.50	-
5260MHz	Pass	PK	5.362G	59.99	74.00	-14.01	4.40	3	Horizontal	333	1.50	-
5260MHz	Pass	AV	10.52292G	53.91	54.00	-0.09	14.80	3	Vertical	227	1.83	-
5260MHz	Pass	PK	10.52268G	67.33	74.00	-6.67	14.80	3	Vertical	227	1.83	-
5260MHz	Pass	AV	10.52031G	53.69	54.00	-0.31	14.80	3	Horizontal	195	1.50	-
5260MHz	Pass	PK	10.52099G	67.23	74.00	-6.77	14.80	3	Horizontal	195	1.50	-
5300MHz	Pass	AV	5.3072G	106.91	Inf	-Inf	4.33	3	Vertical	347	1.49	-
5300MHz	Pass	AV	5.35G	53.80	54.00	-0.20	4.38	3	Vertical	347	1.49	-
5300MHz	Pass	PK	5.308G	116.72	Inf	-Inf	4.33	3	Vertical	347	1.49	-
5300MHz	Pass	PK	5.3504G	71.57	74.00	-2.43	4.38	3	Vertical	347	1.49	-
5300MHz	Pass	AV	5.3036G	109.16	Inf	-Inf	4.33	3	Horizontal	322	1.50	-
5300MHz	Pass	AV	5.3516G	52.84	54.00	-1.16	4.38	3	Horizontal	322	1.50	-
5300MHz	Pass	PK	5.304G	118.73	Inf	-Inf	4.33	3	Horizontal	322	1.50	-
5300MHz	Pass	PK	5.3652G	69.04	74.00	-4.96	4.40	3	Horizontal	322	1.50	-
5300MHz	Pass	AV	10.6066G	53.37	54.00	-0.63	14.94	3	Vertical	271	2.99	-
5300MHz	Pass	PK	10.6078G	67.00	74.00	-7.00	14.94	3	Vertical	271	2.99	-
5300MHz	Pass	AV	10.60042G	52.86	54.00	-1.14	14.94	3	Horizontal	201	1.50	-
5300MHz	Pass	PK	10.6G	66.53	74.00	-7.47	14.94	3	Horizontal	201	1.50	-
5320MHz	Pass	AV	5.3168G	102.33	Inf	-Inf	4.34	3	Vertical	334	1.50	-
5320MHz	Pass	AV	5.35G	52.53	54.00	-1.47	4.38	3	Vertical	334	1.50	-
5320MHz	Pass	PK	5.3168G	111.55	Inf	-Inf	4.34	3	Vertical	334	1.50	-
5320MHz	Pass	PK	5.3504G	66.96	74.00	-7.04	4.38	3	Vertical	334	1.50	-
5320MHz	Pass	AV	5.3166G	105.06	Inf	-Inf	4.34	3	Horizontal	231	2.93	-
5320MHz	Pass	AV	5.35G	53.52	54.00	-0.48	4.38	3	Horizontal	231	2.93	-
5320MHz	Pass	PK	5.3168G	114.57	Inf	-Inf	4.34	3	Horizontal	231	2.93	-
5320MHz	Pass	PK	5.3552G	69.92	74.00	-4.08	4.39	3	Horizontal	231	2.93	-
5320MHz	Pass	AV	10.64236G	49.87	54.00	-4.13	15.01	3	Vertical	228	1.76	-
5320MHz	Pass	PK	10.64124G	63.39	74.00	-10.61	15.00	3	Vertical	228	1.76	-
5320MHz	Pass	AV	10.6386G	49.43	54.00	-4.57	15.00	3	Horizontal	313	1.50	-
5320MHz	Pass	PK	10.63896G	62.36	74.00	-11.64	15.00	3	Horizontal	313	1.50	-
5500MHz	Pass	AV	5.4588G	47.24	54.00	-6.76	4.53	3	Vertical	9	2.99	-
5500MHz	Pass	AV	5.507G	103.09	Inf	-Inf	4.59	3	Vertical	9	2.99	-
5500MHz	Pass	PK	5.4654G	67.48	68.20	-0.72	4.54	3	Vertical	9	2.99	-
5500MHz	Pass	PK	5.507G	112.63	Inf	-Inf	4.59	3	Vertical	9	2.99	-
5500MHz	Pass	AV	5.4592G	46.74	54.00	-7.26	4.53	3	Horizontal	345	1.50	-
5500MHz	Pass	AV	5.4932G	103.17	Inf	-Inf	4.58	3	Horizontal	345	1.50	-
5500MHz	Pass	PK	5.4698G	63.89	68.20	-4.31	4.54	3	Horizontal	345	1.50	-

Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

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	5.4932G	112.55	Inf	-Inf	4.58	3	Horizontal	345	1.50	-
5500MHz	Pass	AV	10.99782G	47.41	54.00	-6.59	15.61	3	Vertical	257	2.99	-
5500MHz	Pass	PK	10.99858G	60.12	74.00	-13.88	15.61	3	Vertical	257	2.99	-
5500MHz	Pass	AV	11.00044G	46.59	54.00	-7.41	15.61	3	Horizontal	271	1.64	-
5500MHz	Pass	PK	11.00035G	60.20	74.00	-13.80	15.61	3	Horizontal	271	1.64	-
5580MHz	Pass	AV	5.4336G	45.93	54.00	-8.07	4.49	3	Vertical	360	2.91	-
5580MHz	Pass	AV	5.5776G	103.50	Inf	-Inf	4.72	3	Vertical	360	2.91	-
5580MHz	Pass	PK	5.4666G	57.72	68.20	-10.48	4.54	3	Vertical	360	2.91	-
5580MHz	Pass	PK	5.5776G	112.82	Inf	-Inf	4.72	3	Vertical	360	2.91	-
5580MHz	Pass	PK	5.7294G	57.54	68.20	-10.66	5.09	3	Vertical	360	2.91	-
5580MHz	Pass	AV	5.4354G	46.68	54.00	-7.32	4.49	3	Horizontal	316	2.98	-
5580MHz	Pass	AV	5.5728G	106.34	Inf	-Inf	4.71	3	Horizontal	316	2.98	-
5580MHz	Pass	PK	5.4684G	58.67	68.20	-9.53	4.54	3	Horizontal	316	2.98	-
5580MHz	Pass	PK	5.5734G	115.37	Inf	-Inf	4.71	3	Horizontal	316	2.98	-
5580MHz	Pass	PK	5.7288G	57.98	68.20	-10.22	5.09	3	Horizontal	316	2.98	-
5580MHz	Pass	AV	11.16012G	45.61	54.00	-8.39	15.59	3	Vertical	5	1.07	-
5580MHz	Pass	AV	16.73724G	50.53	54.00	-3.47	16.82	3	Vertical	247	1.42	-
5580MHz	Pass	PK	11.16006G	58.94	74.00	-15.06	15.59	3	Vertical	5	1.07	-
5580MHz	Pass	PK	16.73796G	64.06	74.00	-9.94	16.84	3	Vertical	247	1.42	-
5580MHz	Pass	AV	11.1561G	45.08	54.00	-8.92	15.59	3	Horizontal	304	1.59	-
5580MHz	Pass	AV	16.7382G	53.63	54.00	-0.37	16.84	3	Horizontal	223	1.28	-
5580MHz	Pass	PK	11.15784G	58.22	74.00	-15.78	15.59	3	Horizontal	304	1.59	-
5580MHz	Pass	PK	16.74528G	67.86	74.00	-6.14	16.87	3	Horizontal	223	1.28	-
5700MHz	Pass	AV	5.7036G	100.99	Inf	-Inf	5.03	3	Vertical	28	2.99	-
5700MHz	Pass	PK	5.7032G	110.54	Inf	-Inf	5.02	3	Vertical	28	2.99	-
5700MHz	Pass	PK	5.7252G	67.45	68.20	-0.75	5.08	3	Vertical	28	2.99	-
5700MHz	Pass	AV	5.6928G	103.59	Inf	-Inf	5.00	3	Horizontal	338	1.50	-
5700MHz	Pass	PK	5.6932G	113.06	Inf	-Inf	5.00	3	Horizontal	338	1.50	-
5700MHz	Pass	PK	5.7324G	67.15	68.20	-1.05	5.10	3	Horizontal	338	1.50	-
5700MHz	Pass	AV	17.10416G	49.01	54.00	-4.99	18.58	3	Vertical	0	2.00	-
5700MHz	Pass	PK	17.09312G	63.70	74.00	-10.30	18.53	3	Vertical	0	2.00	-
5700MHz	Pass	AV	17.10508G	49.04	54.00	-4.96	18.58	3	Horizontal	301	1.50	-
5700MHz	Pass	PK	17.10248G	62.72	74.00	-11.28	18.57	3	Horizontal	301	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4596G	47.27	54.00	-6.73	4.53	3	Vertical	32	2.94	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7128G	110.66	Inf	-Inf	5.05	3	Vertical	32	2.94	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4692G	60.41	68.20	-7.79	4.54	3	Vertical	32	2.94	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7128G	120.44	Inf	-Inf	5.05	3	Vertical	32	2.94	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9024G	57.94	68.20	-10.26	5.36	3	Vertical	32	2.94	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4356G	49.28	54.00	-4.72	4.49	3	Horizontal	318	2.20	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7164G	113.29	Inf	-Inf	5.05	3	Horizontal	318	2.20	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.468G	61.97	68.20	-6.23	4.54	3	Horizontal	318	2.20	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7164G	122.78	Inf	-Inf	5.05	3	Horizontal	318	2.20	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.858G	58.90	68.20	-9.30	5.32	3	Horizontal	318	2.20	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.44072G	50.65	54.00	-3.35	15.55	3	Vertical	347	1.16	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44186G	63.71	74.00	-10.29	15.55	3	Vertical	347	1.16	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.4433G	49.59	54.00	-4.41	15.55	3	Horizontal	157	1.64	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.4427G	63.17	74.00	-10.83	15.55	3	Horizontal	157	1.64	-
802.11ac VHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.1448G	46.09	54.00	-7.91	4.14	3	Vertical	335	1.50	-

Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	AV	5.2672G	103.46	Inf	-Inf	4.29	3	Vertical	335	1.50	-
5260MHz	Pass	AV	5.3938G	46.09	54.00	-7.91	4.45	3	Vertical	335	1.50	-
5260MHz	Pass	PK	5.134G	58.54	74.00	-15.46	4.12	3	Vertical	335	1.50	-
5260MHz	Pass	PK	5.2672G	112.46	Inf	-Inf	4.29	3	Vertical	335	1.50	-
5260MHz	Pass	PK	5.3614G	59.36	74.00	-14.64	4.40	3	Vertical	335	1.50	-
5260MHz	Pass	AV	5.1328G	48.01	54.00	-5.99	4.12	3	Horizontal	320	2.97	-
5260MHz	Pass	AV	5.2528G	110.56	Inf	-Inf	4.27	3	Horizontal	320	2.97	-
5260MHz	Pass	AV	5.3506G	48.17	54.00	-5.83	4.38	3	Horizontal	320	2.97	-
5260MHz	Pass	PK	5.1196G	60.80	74.00	-13.20	4.09	3	Horizontal	320	2.97	-
5260MHz	Pass	PK	5.2534G	120.15	Inf	-Inf	4.27	3	Horizontal	320	2.97	-
5260MHz	Pass	PK	5.3626G	60.49	74.00	-13.51	4.40	3	Horizontal	320	2.97	-
5260MHz	Pass	AV	10.52012G	53.77	54.00	-0.23	14.80	3	Vertical	0	1.09	-
5260MHz	Pass	PK	10.52052G	67.29	74.00	-6.71	14.80	3	Vertical	0	1.09	-
5260MHz	Pass	AV	10.51912G	53.15	54.00	-0.85	14.79	3	Horizontal	314	1.59	-
5260MHz	Pass	PK	10.52004G	66.95	74.00	-7.05	14.80	3	Horizontal	314	1.59	-
5300MHz	Pass	AV	5.3076G	104.64	Inf	-Inf	4.33	3	Vertical	343	1.50	-
5300MHz	Pass	AV	5.3504G	48.39	54.00	-5.61	4.38	3	Vertical	343	1.50	-
5300MHz	Pass	PK	5.3072G	113.95	Inf	-Inf	4.33	3	Vertical	343	1.50	-
5300MHz	Pass	PK	5.35G	64.52	74.00	-9.48	4.38	3	Vertical	343	1.50	-
5300MHz	Pass	AV	5.2932G	110.88	Inf	-Inf	4.32	3	Horizontal	330	2.99	-
5300MHz	Pass	AV	5.3512G	53.21	54.00	-0.79	4.38	3	Horizontal	330	2.99	-
5300MHz	Pass	PK	5.2924G	120.40	Inf	-Inf	4.32	3	Horizontal	330	2.99	-
5300MHz	Pass	PK	5.352G	73.74	74.00	-0.26	4.38	3	Horizontal	330	2.99	-
5300MHz	Pass	AV	10.59634G	52.23	54.00	-1.77	14.93	3	Vertical	273	1.46	-
5300MHz	Pass	PK	10.59544G	65.74	74.00	-8.26	14.92	3	Vertical	273	1.46	-
5300MHz	Pass	AV	10.60036G	51.84	54.00	-2.16	14.94	3	Horizontal	202	1.50	-
5300MHz	Pass	PK	10.60024G	64.76	74.00	-9.24	14.94	3	Horizontal	202	1.50	-
5320MHz	Pass	AV	5.3234G	105.57	Inf	-Inf	4.35	3	Vertical	247	2.77	-
5320MHz	Pass	AV	5.353G	53.50	54.00	-0.50	4.38	3	Vertical	247	2.77	-
5320MHz	Pass	PK	5.3232G	114.74	Inf	-Inf	4.35	3	Vertical	247	2.77	-
5320MHz	Pass	PK	5.3534G	69.13	74.00	-4.87	4.38	3	Vertical	247	2.77	-
5320MHz	Pass	AV	5.3234G	104.97	Inf	-Inf	4.35	3	Horizontal	317	1.50	-
5320MHz	Pass	AV	5.3514G	53.48	54.00	-0.52	4.38	3	Horizontal	317	1.50	-
5320MHz	Pass	PK	5.3234G	114.23	Inf	-Inf	4.35	3	Horizontal	317	1.50	-
5320MHz	Pass	PK	5.3646G	69.46	74.00	-4.54	4.40	3	Horizontal	317	1.50	-
5320MHz	Pass	AV	10.64198G	49.90	54.00	-4.10	15.01	3	Vertical	228	1.77	-
5320MHz	Pass	PK	10.64064G	63.39	74.00	-10.61	15.00	3	Vertical	228	1.77	-
5320MHz	Pass	AV	10.63818G	49.44	54.00	-4.56	15.00	3	Horizontal	313	1.50	-
5320MHz	Pass	PK	10.63826G	62.72	74.00	-11.28	15.00	3	Horizontal	313	1.50	-
5500MHz	Pass	AV	5.4596G	46.44	54.00	-7.56	4.53	3	Vertical	345	2.99	-
5500MHz	Pass	AV	5.4992G	102.09	Inf	-Inf	4.58	3	Vertical	345	2.99	-
5500MHz	Pass	PK	5.4666G	64.56	68.20	-3.64	4.54	3	Vertical	345	2.99	-
5500MHz	Pass	PK	5.4992G	111.37	Inf	-Inf	4.58	3	Vertical	345	2.99	-
5500MHz	Pass	AV	5.4598G	46.46	54.00	-7.54	4.53	3	Horizontal	236	2.99	-
5500MHz	Pass	AV	5.5074G	103.17	Inf	-Inf	4.60	3	Horizontal	236	2.99	-
5500MHz	Pass	PK	5.467G	67.75	68.20	-0.45	4.54	3	Horizontal	236	2.99	-
5500MHz	Pass	PK	5.5064G	113.06	Inf	-Inf	4.59	3	Horizontal	236	2.99	-
5500MHz	Pass	AV	11.00036G	46.14	54.00	-7.86	15.61	3	Vertical	0	1.02	-
5500MHz	Pass	PK	10.99986G	59.28	74.00	-14.72	15.61	3	Vertical	0	1.02	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5500MHz	Pass	AV	10.99924G	45.84	54.00	-8.16	15.61	3	Horizontal	275	1.50	-
5500MHz	Pass	PK	10.99906G	58.89	74.00	-15.11	15.61	3	Horizontal	275	1.50	-
5580MHz	Pass	AV	5.439G	45.65	54.00	-8.35	4.50	3	Vertical	336	1.50	-
5580MHz	Pass	AV	5.5872G	101.78	Inf	-Inf	4.74	3	Vertical	336	1.50	-
5580MHz	Pass	PK	5.469G	57.55	68.20	-10.65	4.54	3	Vertical	336	1.50	-
5580MHz	Pass	PK	5.5878G	111.21	Inf	-Inf	4.74	3	Vertical	336	1.50	-
5580MHz	Pass	PK	5.7294G	56.76	68.20	-11.44	5.09	3	Vertical	336	1.50	-
5580MHz	Pass	AV	5.439G	46.16	54.00	-7.84	4.50	3	Horizontal	336	1.50	-
5580MHz	Pass	AV	5.5836G	106.42	Inf	-Inf	4.74	3	Horizontal	336	1.50	-
5580MHz	Pass	PK	5.4606G	58.88	68.20	-9.32	4.53	3	Horizontal	336	1.50	-
5580MHz	Pass	PK	5.5836G	115.54	Inf	-Inf	4.74	3	Horizontal	336	1.50	-
5580MHz	Pass	PK	5.7282G	57.24	68.20	-10.96	5.09	3	Horizontal	336	1.50	-
5580MHz	Pass	AV	11.16168G	44.36	54.00	-9.64	15.59	3	Vertical	226	1.35	-
5580MHz	Pass	AV	16.73622G	49.81	54.00	-4.19	16.82	3	Vertical	221	2.56	-
5580MHz	Pass	PK	11.16282G	57.10	74.00	-16.90	15.58	3	Vertical	226	1.35	-
5580MHz	Pass	PK	16.73628G	64.58	74.00	-9.42	16.82	3	Vertical	221	2.56	-
5580MHz	Pass	AV	11.15532G	44.83	54.00	-9.17	15.59	3	Horizontal	304	1.91	-
5580MHz	Pass	AV	16.73628G	53.67	54.00	-0.33	16.82	3	Horizontal	223	1.49	-
5580MHz	Pass	PK	11.15652G	58.39	74.00	-15.61	15.59	3	Horizontal	304	1.91	-
5580MHz	Pass	PK	16.73766G	68.72	74.00	-5.28	16.83	3	Horizontal	223	1.49	-
5700MHz	Pass	AV	5.6976G	103.55	Inf	-Inf	5.02	3	Vertical	10	2.82	-
5700MHz	Pass	PK	5.6964G	112.83	Inf	-Inf	5.01	3	Vertical	10	2.82	-
5700MHz	Pass	PK	5.7368G	61.88	68.20	-6.32	5.11	3	Vertical	10	2.82	-
5700MHz	Pass	AV	5.6932G	104.98	Inf	-Inf	5.00	3	Horizontal	337	2.91	-
5700MHz	Pass	PK	5.6924G	114.05	Inf	-Inf	5.00	3	Horizontal	337	2.91	-
5700MHz	Pass	PK	5.7316G	68.05	68.20	-0.15	5.09	3	Horizontal	337	2.91	-
5700MHz	Pass	AV	11.40012G	44.32	54.00	-9.68	15.55	3	Vertical	0	1.18	-
5700MHz	Pass	PK	11.40122G	57.56	74.00	-16.44	15.55	3	Vertical	0	1.18	-
5700MHz	Pass	AV	11.39506G	43.91	54.00	-10.09	15.55	3	Horizontal	297	1.44	-
5700MHz	Pass	PK	11.39816G	56.67	74.00	-17.33	15.55	3	Horizontal	297	1.44	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4572G	48.45	54.00	-5.55	4.52	3	Vertical	40	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7128G	110.08	Inf	-Inf	5.05	3	Vertical	40	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4668G	60.74	68.20	-7.46	4.54	3	Vertical	40	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7128G	120.12	Inf	-Inf	5.05	3	Vertical	40	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9288G	58.32	68.20	-9.88	5.39	3	Vertical	40	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4392G	49.60	54.00	-4.40	4.50	3	Horizontal	328	1.47	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7164G	114.17	Inf	-Inf	5.05	3	Horizontal	328	1.47	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.468G	61.81	68.20	-6.39	4.54	3	Horizontal	328	1.47	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7164G	123.59	Inf	-Inf	5.05	3	Horizontal	328	1.47	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8568G	59.91	68.20	-8.29	5.32	3	Horizontal	328	1.47	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.4406G	51.76	54.00	-2.24	15.55	3	Vertical	1	1.14	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.4397G	65.20	74.00	-8.80	15.55	3	Vertical	1	1.14	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.44384G	50.09	54.00	-3.91	15.55	3	Horizontal	157	1.64	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44408G	63.98	74.00	-10.02	15.55	3	Horizontal	157	1.64	-
802.11ac VHT40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	AV	5.2768G	104.53	Inf	-Inf	4.30	3	Vertical	280	2.99	-
5270MHz	Pass	AV	5.3504G	52.53	54.00	-1.47	4.38	3	Vertical	280	2.99	-
5270MHz	Pass	PK	5.2768G	113.61	Inf	-Inf	4.30	3	Vertical	280	2.99	-
5270MHz	Pass	PK	5.3504G	66.89	74.00	-7.11	4.38	3	Vertical	280	2.99	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5270MHz	Pass	AV	5.282G	107.74	Inf	-Inf	4.31	3	Horizontal	327	2.92	-
5270MHz	Pass	AV	5.3632G	53.92	54.00	-0.08	4.40	3	Horizontal	327	2.92	-
5270MHz	Pass	PK	5.2824G	117.04	Inf	-Inf	4.31	3	Horizontal	327	2.92	-
5270MHz	Pass	PK	5.3624G	67.13	74.00	-6.87	4.40	3	Horizontal	327	2.92	-
5270MHz	Pass	AV	10.54792G	51.42	54.00	-2.58	14.85	3	Vertical	312	1.06	-
5270MHz	Pass	PK	10.5472G	63.21	74.00	-10.79	14.85	3	Vertical	312	1.06	-
5270MHz	Pass	AV	10.5403G	52.27	54.00	-1.73	14.83	3	Horizontal	291	2.97	-
5270MHz	Pass	PK	10.54198G	64.31	74.00	-9.69	14.84	3	Horizontal	291	2.97	-
5310MHz	Pass	AV	5.3088G	99.24	Inf	-Inf	4.34	3	Vertical	305	2.99	-
5310MHz	Pass	AV	5.35G	52.14	54.00	-1.86	4.38	3	Vertical	305	2.99	-
5310MHz	Pass	PK	5.3088G	108.52	Inf	-Inf	4.34	3	Vertical	305	2.99	-
5310MHz	Pass	PK	5.3508G	71.37	74.00	-2.63	4.38	3	Vertical	305	2.99	-
5310MHz	Pass	AV	5.3088G	100.55	Inf	-Inf	4.34	3	Horizontal	322	2.99	-
5310MHz	Pass	AV	5.35G	53.21	54.00	-0.79	4.38	3	Horizontal	322	2.99	-
5310MHz	Pass	PK	5.2928G	109.97	Inf	-Inf	4.32	3	Horizontal	322	2.99	-
5310MHz	Pass	PK	5.352G	73.76	74.00	-0.24	4.38	3	Horizontal	322	2.99	-
5310MHz	Pass	AV	10.62066G	46.06	54.00	-7.94	14.96	3	Vertical	360	1.18	-
5310MHz	Pass	PK	10.62198G	58.12	74.00	-15.88	14.97	3	Vertical	360	1.18	-
5310MHz	Pass	AV	10.61988G	46.24	54.00	-7.76	14.96	3	Horizontal	321	1.50	-
5310MHz	Pass	PK	10.61826G	58.51	74.00	-15.49	14.96	3	Horizontal	321	1.50	-
5510MHz	Pass	AV	5.4588G	47.34	54.00	-6.66	4.53	3	Vertical	330	1.50	-
5510MHz	Pass	AV	5.4984G	96.35	Inf	-Inf	4.58	3	Vertical	330	1.50	-
5510MHz	Pass	PK	5.4688G	61.47	68.20	-6.73	4.54	3	Vertical	330	1.50	-
5510MHz	Pass	PK	5.4988G	105.54	Inf	-Inf	4.58	3	Vertical	330	1.50	-
5510MHz	Pass	AV	5.46G	49.48	54.00	-4.52	4.53	3	Horizontal	347	1.32	-
5510MHz	Pass	AV	5.512G	101.84	Inf	-Inf	4.61	3	Horizontal	347	1.32	-
5510MHz	Pass	PK	5.4696G	67.40	68.20	-0.80	4.54	3	Horizontal	347	1.32	-
5510MHz	Pass	PK	5.5116G	110.35	Inf	-Inf	4.61	3	Horizontal	347	1.32	-
5510MHz	Pass	AV	11.0182G	45.67	54.00	-8.33	15.61	3	Vertical	284	1.50	-
5510MHz	Pass	PK	11.02762G	58.23	74.00	-15.77	15.61	3	Vertical	284	1.50	-
5510MHz	Pass	AV	11.0233G	45.70	54.00	-8.30	15.61	3	Horizontal	205	1.50	-
5510MHz	Pass	PK	11.02018G	58.82	74.00	-15.18	15.61	3	Horizontal	205	1.50	-
5550MHz	Pass	AV	5.4596G	49.67	54.00	-4.33	4.53	3	Vertical	37	1.33	-
5550MHz	Pass	AV	5.5392G	102.25	Inf	-Inf	4.65	3	Vertical	37	1.33	-
5550MHz	Pass	PK	5.4684G	61.65	68.20	-6.55	4.54	3	Vertical	37	1.33	-
5550MHz	Pass	PK	5.5384G	111.57	Inf	-Inf	4.65	3	Vertical	37	1.33	-
5550MHz	Pass	AV	5.4512G	51.97	54.00	-2.03	4.52	3	Horizontal	344	1.02	-
5550MHz	Pass	AV	5.5512G	106.68	Inf	-Inf	4.68	3	Horizontal	344	1.02	-
5550MHz	Pass	PK	5.4696G	67.22	68.20	-0.98	4.54	3	Horizontal	344	1.02	-
5550MHz	Pass	PK	5.5512G	115.54	Inf	-Inf	4.68	3	Horizontal	344	1.02	-
5550MHz	Pass	AV	11.10024G	46.34	54.00	-7.66	15.60	3	Vertical	243	2.11	-
5550MHz	Pass	AV	16.64574G	50.78	54.00	-3.22	16.35	3	Vertical	223	1.13	-
5550MHz	Pass	PK	11.10072G	58.43	74.00	-15.57	15.60	3	Vertical	243	2.11	-
5550MHz	Pass	PK	16.63812G	63.72	74.00	-10.28	16.30	3	Vertical	223	1.13	-
5550MHz	Pass	AV	11.09004G	45.05	54.00	-8.95	15.60	3	Horizontal	187	2.85	-
5550MHz	Pass	AV	16.64664G	53.05	54.00	-0.95	16.35	3	Horizontal	223	1.55	-
5550MHz	Pass	PK	11.08662G	57.11	74.00	-16.89	15.61	3	Horizontal	187	2.85	-
5550MHz	Pass	PK	16.6479G	65.70	74.00	-8.30	16.35	3	Horizontal	223	1.55	-
5670MHz	Pass	AV	5.6592G	97.93	Inf	-Inf	4.91	3	Vertical	21	1.50	-

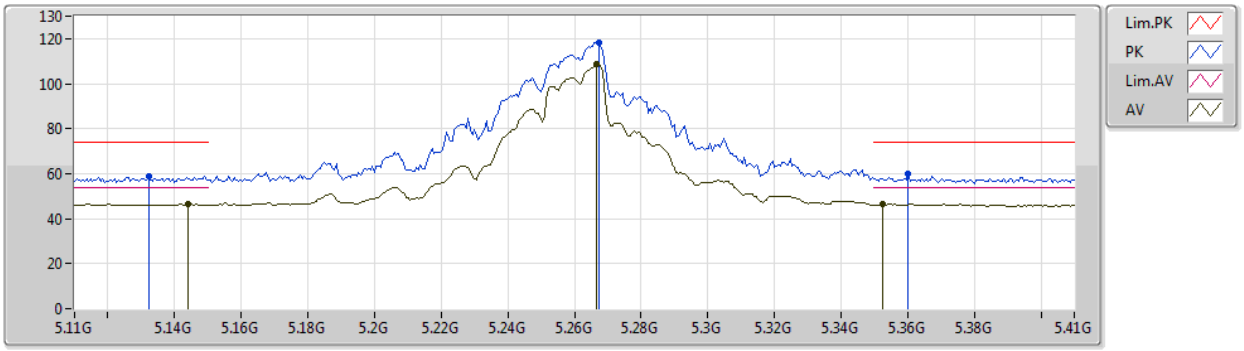
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5670MHz	Pass	PK	5.6586G	106.72	Inf	-Inf	4.92	3	Vertical	21	1.50	-
5670MHz	Pass	PK	5.736G	60.93	68.20	-7.27	5.11	3	Vertical	21	1.50	-
5670MHz	Pass	AV	5.6718G	102.99	Inf	-Inf	4.94	3	Horizontal	338	1.00	-
5670MHz	Pass	PK	5.6712G	112.00	Inf	-Inf	4.94	3	Horizontal	338	1.00	-
5670MHz	Pass	PK	5.7312G	67.73	68.20	-0.47	5.09	3	Horizontal	338	1.00	-
5670MHz	Pass	AV	11.34324G	44.29	54.00	-9.71	15.57	3	Vertical	345	1.50	-
5670MHz	Pass	PK	11.3289G	56.54	74.00	-17.46	15.57	3	Vertical	345	1.50	-
5670MHz	Pass	AV	11.33172G	44.22	54.00	-9.78	15.57	3	Horizontal	208	1.50	-
5670MHz	Pass	PK	11.34822G	56.79	74.00	-17.21	15.57	3	Horizontal	208	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.4556G	49.53	54.00	-4.47	4.52	3	Vertical	33	1.08	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.704G	105.94	Inf	-Inf	5.04	3	Vertical	33	1.08	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.46G	59.83	74.00	-14.17	4.53	3	Vertical	33	1.08	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.704G	114.91	Inf	-Inf	5.04	3	Vertical	33	1.08	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.8636G	59.13	68.20	-9.07	5.33	3	Vertical	33	1.08	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.4292G	50.71	54.00	-3.29	4.49	3	Horizontal	334	1.29	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7052G	109.12	Inf	-Inf	5.03	3	Horizontal	334	1.29	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4676G	62.34	68.20	-5.86	4.54	3	Horizontal	334	1.29	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.7052G	117.90	Inf	-Inf	5.03	3	Horizontal	334	1.29	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.8696G	60.15	68.20	-8.05	5.34	3	Horizontal	334	1.29	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.42036G	46.24	54.00	-7.76	15.55	3	Vertical	9	1.19	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.42018G	58.94	74.00	-15.06	15.55	3	Vertical	9	1.19	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.42384G	45.28	54.00	-8.72	15.55	3	Horizontal	160	1.70	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.42366G	58.55	74.00	-15.45	15.55	3	Horizontal	160	1.70	-
802.11ac VHT80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	AV	5.105G	46.73	54.00	-7.27	4.07	3	Vertical	345	1.50	-
5290MHz	Pass	AV	5.319G	94.69	Inf	-Inf	4.35	3	Vertical	345	1.50	-
5290MHz	Pass	AV	5.36G	51.58	54.00	-2.42	4.40	3	Vertical	345	1.50	-
5290MHz	Pass	PK	5.14G	58.78	74.00	-15.22	4.12	3	Vertical	345	1.50	-
5290MHz	Pass	PK	5.318G	103.71	Inf	-Inf	4.34	3	Vertical	345	1.50	-
5290MHz	Pass	PK	5.361G	68.57	74.00	-5.43	4.40	3	Vertical	345	1.50	-
5290MHz	Pass	AV	5.141G	47.30	54.00	-6.70	4.13	3	Horizontal	0	1.50	-
5290MHz	Pass	AV	5.313G	97.30	Inf	-Inf	4.34	3	Horizontal	0	1.50	-
5290MHz	Pass	AV	5.354G	53.91	54.00	-0.09	4.38	3	Horizontal	0	1.50	-
5290MHz	Pass	PK	5.143G	58.93	74.00	-15.07	4.14	3	Horizontal	0	1.50	-
5290MHz	Pass	PK	5.314G	106.46	Inf	-Inf	4.34	3	Horizontal	0	1.50	-
5290MHz	Pass	PK	5.378G	71.21	74.00	-2.79	4.43	3	Horizontal	0	1.50	-
5290MHz	Pass	AV	10.58036G	46.71	54.00	-7.29	14.90	3	Vertical	230	1.76	-
5290MHz	Pass	PK	10.57958G	58.47	74.00	-15.53	14.90	3	Vertical	230	1.76	-
5290MHz	Pass	AV	10.5839G	46.94	54.00	-7.06	14.91	3	Horizontal	295	2.39	-
5290MHz	Pass	PK	10.58266G	59.44	74.00	-14.56	14.90	3	Horizontal	295	2.39	-
5530MHz	Pass	AV	5.457G	47.71	54.00	-6.29	4.52	3	Vertical	109	2.94	-
5530MHz	Pass	AV	5.517G	94.51	Inf	-Inf	4.61	3	Vertical	109	2.94	-
5530MHz	Pass	PK	5.461G	62.05	68.20	-6.15	4.53	3	Vertical	109	2.94	-
5530MHz	Pass	PK	5.516G	103.68	Inf	-Inf	4.61	3	Vertical	109	2.94	-
5530MHz	Pass	PK	5.75G	58.11	68.20	-10.09	5.14	3	Vertical	109	2.94	-
5530MHz	Pass	AV	5.46G	49.87	54.00	-4.13	4.53	3	Horizontal	321	2.96	-
5530MHz	Pass	AV	5.502G	97.72	Inf	-Inf	4.58	3	Horizontal	321	2.96	-
5530MHz	Pass	PK	5.462G	68.11	68.20	-0.09	4.53	3	Horizontal	321	2.96	-
5530MHz	Pass	PK	5.541G	107.11	Inf	-Inf	4.66	3	Horizontal	321	2.96	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5530MHz	Pass	PK	5.762G	58.21	68.20	-9.99	5.17	3	Horizontal	321	2.96	-
5530MHz	Pass	AV	11.04908G	45.72	54.00	-8.28	15.61	3	Vertical	356	1.77	-
5530MHz	Pass	PK	11.07146G	58.57	74.00	-15.43	15.60	3	Vertical	356	1.77	-
5530MHz	Pass	AV	11.05904G	45.79	54.00	-8.21	15.61	3	Horizontal	148	1.95	-
5530MHz	Pass	PK	11.05058G	58.08	74.00	-15.92	15.61	3	Horizontal	148	1.95	-
5610MHz	Pass	AV	5.45G	51.52	54.00	-2.48	4.52	3	Vertical	28	2.99	-
5610MHz	Pass	AV	5.608G	100.00	Inf	-Inf	4.79	3	Vertical	28	2.99	-
5610MHz	Pass	PK	5.468G	67.44	68.20	-0.76	4.54	3	Vertical	28	2.99	-
5610MHz	Pass	PK	5.609G	109.64	Inf	-Inf	4.79	3	Vertical	28	2.99	-
5610MHz	Pass	PK	5.729G	67.48	68.20	-0.72	5.09	3	Vertical	28	2.99	-
5610MHz	Pass	AV	5.449G	50.85	54.00	-3.15	4.51	3	Horizontal	314	1.50	-
5610MHz	Pass	AV	5.609G	99.89	Inf	-Inf	4.79	3	Horizontal	314	1.50	-
5610MHz	Pass	PK	5.468G	64.68	68.20	-3.52	4.54	3	Horizontal	314	1.50	-
5610MHz	Pass	PK	5.589G	109.19	Inf	-Inf	4.74	3	Horizontal	314	1.50	-
5610MHz	Pass	PK	5.73G	68.00	68.20	-0.20	5.09	3	Horizontal	314	1.50	-
5610MHz	Pass	AV	11.205G	44.81	54.00	-9.19	15.58	3	Vertical	86	2.24	-
5610MHz	Pass	PK	11.2245G	57.69	74.00	-16.31	15.58	3	Vertical	86	2.24	-
5610MHz	Pass	AV	11.22456G	44.69	54.00	-9.31	15.58	3	Horizontal	155	1.41	-
5610MHz	Pass	PK	11.21556G	57.10	74.00	-16.90	15.58	3	Horizontal	155	1.41	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4356G	47.68	54.00	-6.32	4.49	3	Vertical	40	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.654G	99.71	Inf	-Inf	4.91	3	Vertical	40	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4692G	58.74	68.20	-9.46	4.54	3	Vertical	40	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.7128G	108.99	Inf	-Inf	5.05	3	Vertical	40	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8556G	62.77	68.20	-5.43	5.32	3	Vertical	40	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4584G	49.98	54.00	-4.02	4.53	3	Horizontal	333	1.51	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.666G	105.23	Inf	-Inf	4.93	3	Horizontal	333	1.51	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4692G	61.39	68.20	-6.81	4.54	3	Horizontal	333	1.51	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.666G	114.51	Inf	-Inf	4.93	3	Horizontal	333	1.51	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8664G	62.87	68.20	-5.33	5.33	3	Horizontal	333	1.51	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.38048G	41.80	54.00	-12.20	15.56	3	Vertical	2	1.09	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.38018G	54.07	74.00	-19.93	15.56	3	Vertical	2	1.09	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.38204G	40.96	54.00	-13.04	15.56	3	Horizontal	193	1.60	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.39116G	53.23	74.00	-20.77	15.55	3	Horizontal	193	1.60	-

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TX

06/03/2019

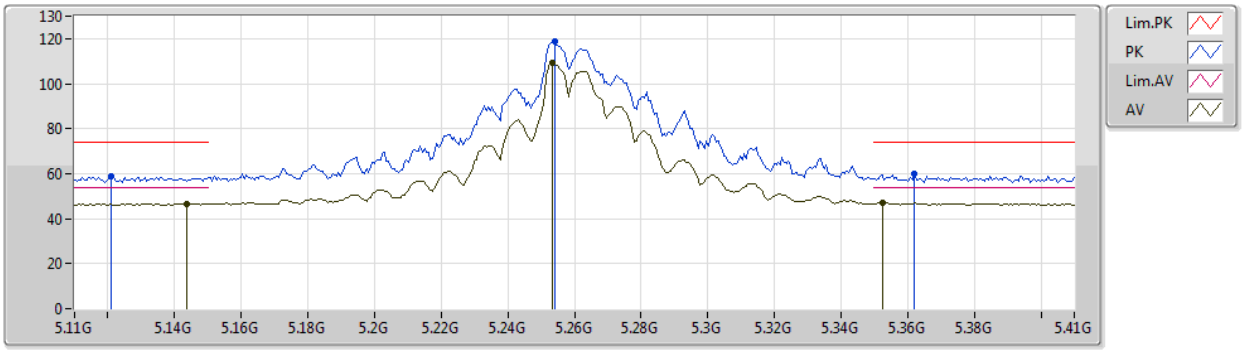


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1442G	46.40	54.00	-7.60	4.14	3	Vertical	340	2.93	-	42.26	31.59	6.97	34.42
AV	5.2666G	108.60	Inf	-Inf	4.29	3	Vertical	340	2.93	-	104.31	31.66	7.05	34.42
AV	5.3524G	46.54	54.00	-7.46	4.38	3	Vertical	340	2.93	-	42.16	31.71	7.09	34.42
PK	5.1322G	59.07	74.00	-14.93	4.12	3	Vertical	340	2.93	-	54.95	31.58	6.96	34.42
PK	5.2672G	118.46	Inf	-Inf	4.29	3	Vertical	340	2.93	-	114.17	31.66	7.05	34.42
PK	5.3602G	60.15	74.00	-13.85	4.40	3	Vertical	340	2.93	-	55.75	31.72	7.10	34.42

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TX

06/03/2019

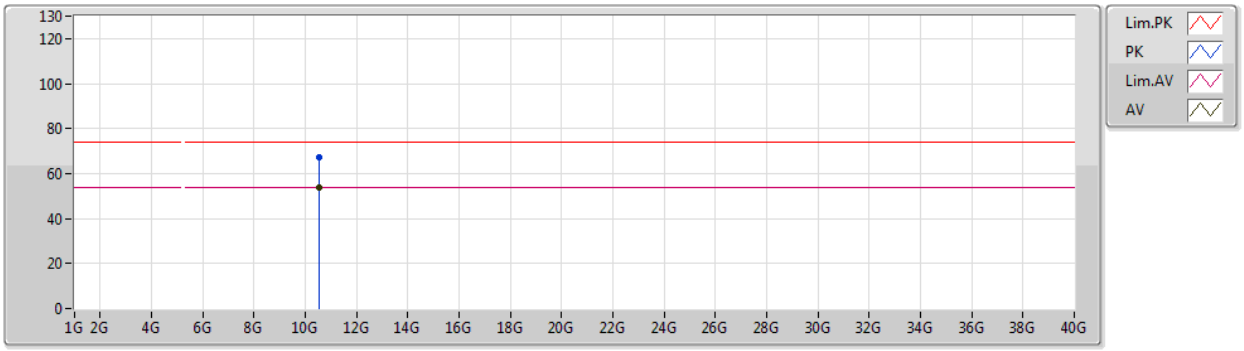


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1436G	46.64	54.00	-7.36	4.14	3	Horizontal	333	1.50	-	42.50	31.59	6.97	34.42
AV	5.2534G	109.15	Inf	-Inf	4.27	3	Horizontal	333	1.50	-	104.88	31.65	7.04	34.42
AV	5.3524G	47.00	54.00	-7.00	4.38	3	Horizontal	333	1.50	-	42.62	31.71	7.09	34.42
PK	5.1208G	59.05	74.00	-14.95	4.09	3	Horizontal	333	1.50	-	54.96	31.57	6.95	34.43
PK	5.254G	119.05	Inf	-Inf	4.27	3	Horizontal	333	1.50	-	114.78	31.65	7.04	34.42
PK	5.362G	59.99	74.00	-14.01	4.40	3	Horizontal	333	1.50	-	55.59	31.72	7.10	34.42

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TX

06/03/2019

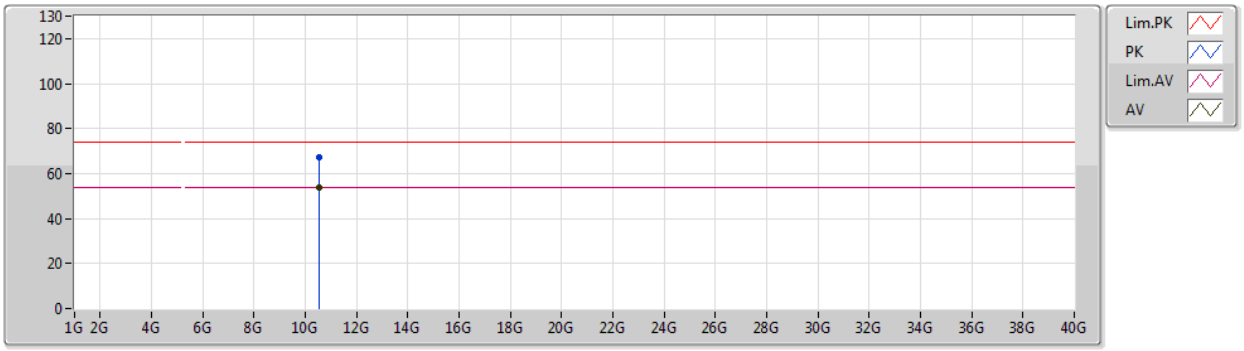


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.52292G	53.91	54.00	-0.09	14.80	3	Vertical	227	1.83	-	39.11	39.71	9.83	34.74
PK	10.52268G	67.33	74.00	-6.67	14.80	3	Vertical	227	1.83	-	52.53	39.71	9.83	34.74

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TX

06/03/2019

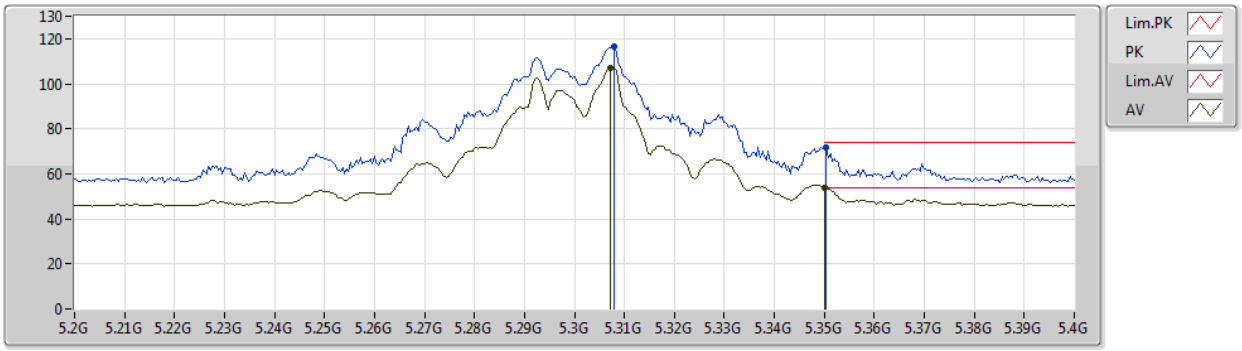


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.52031G	53.69	54.00	-0.31	14.80	3	Horizontal	195	1.50	-	38.89	39.71	9.83	34.74
PK	10.52099G	67.23	74.00	-6.77	14.80	3	Horizontal	195	1.50	-	52.43	39.71	9.83	34.74

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TX

06/03/2019

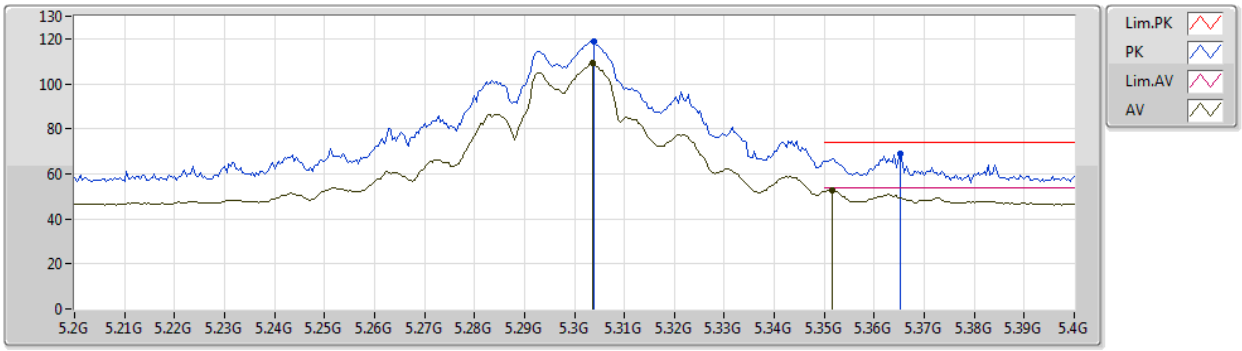


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3072G	106.91	Inf	-Inf	4.33	3	Vertical	347	1.49	-	102.58	31.68	7.07	34.42
AV	5.35G	53.80	54.00	-0.20	4.38	3	Vertical	347	1.49	-	49.42	31.71	7.09	34.42
PK	5.308G	116.72	Inf	-Inf	4.33	3	Vertical	347	1.49	-	112.39	31.68	7.07	34.42
PK	5.3504G	71.57	74.00	-2.43	4.38	3	Vertical	347	1.49	-	67.19	31.71	7.09	34.42

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TX

06/03/2019

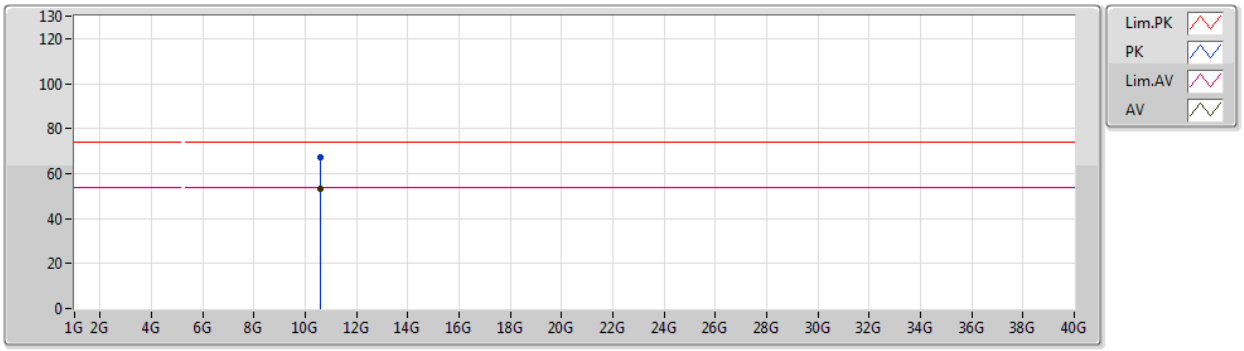


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3036G	109.16	Inf	-Inf	4.33	3	Horizontal	322	1.50	-	104.83	31.68	7.07	34.42
AV	5.3516G	52.84	54.00	-1.16	4.38	3	Horizontal	322	1.50	-	48.46	31.71	7.09	34.42
PK	5.304G	118.73	Inf	-Inf	4.33	3	Horizontal	322	1.50	-	114.40	31.68	7.07	34.42
PK	5.3652G	69.04	74.00	-4.96	4.40	3	Horizontal	322	1.50	-	64.64	31.72	7.10	34.42

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TX

06/03/2019

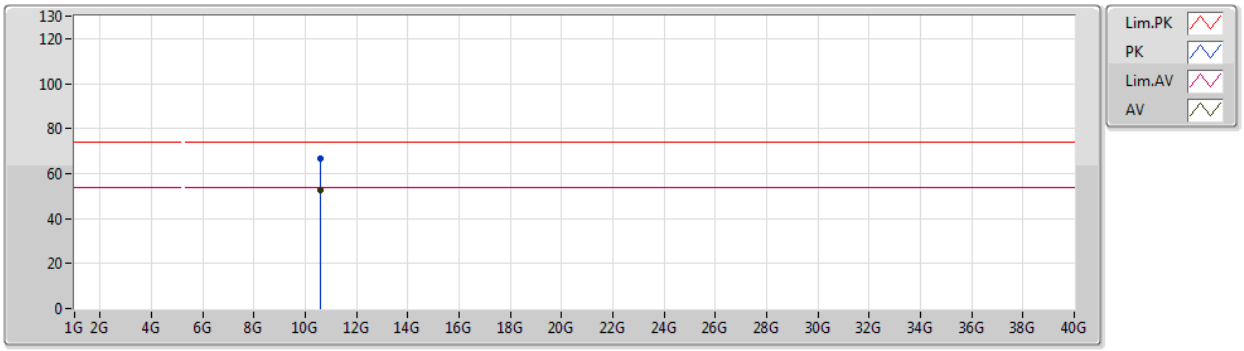


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.6066G	53.37	54.00	-0.63	14.94	3	Vertical	271	2.99	-	38.43	39.76	9.86	34.68
PK	10.6078G	67.00	74.00	-7.00	14.94	3	Vertical	271	2.99	-	52.06	39.76	9.86	34.68

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TX

06/03/2019

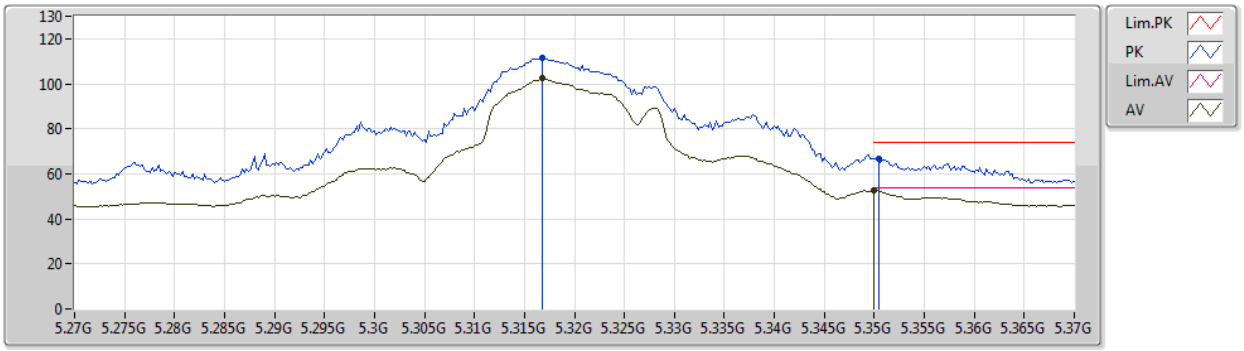


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.60042G	52.86	54.00	-1.14	14.94	3	Horizontal	201	1.50	-	37.92	39.76	9.86	34.68
PK	10.6G	66.53	74.00	-7.47	14.94	3	Horizontal	201	1.50	-	51.59	39.76	9.86	34.68

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TX

06/03/2019

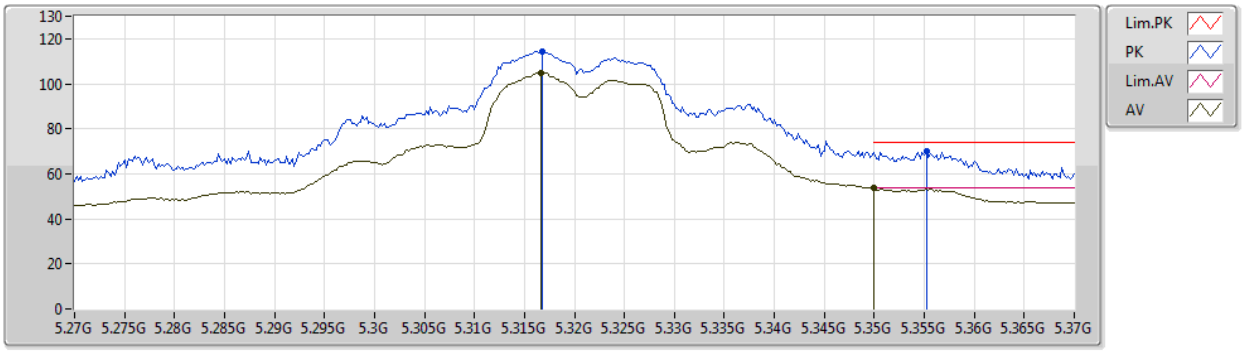


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3168G	102.33	Inf	-Inf	4.34	3	Vertical	334	1.50	-	97.99	31.69	7.07	34.42
AV	5.35G	52.53	54.00	-1.47	4.38	3	Vertical	334	1.50	-	48.15	31.71	7.09	34.42
PK	5.3168G	111.55	Inf	-Inf	4.34	3	Vertical	334	1.50	-	107.21	31.69	7.07	34.42
PK	5.3504G	66.96	74.00	-7.04	4.38	3	Vertical	334	1.50	-	62.58	31.71	7.09	34.42

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TX

06/03/2019

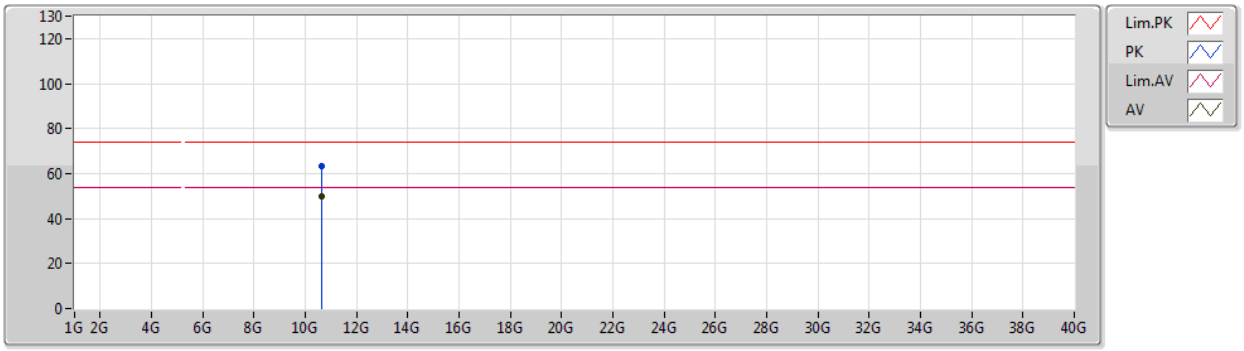


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3166G	105.06	Inf	-Inf	4.34	3	Horizontal	231	2.93	-	100.72	31.69	7.07	34.42
AV	5.35G	53.52	54.00	-0.48	4.38	3	Horizontal	231	2.93	-	49.14	31.71	7.09	34.42
PK	5.3168G	114.57	Inf	-Inf	4.34	3	Horizontal	231	2.93	-	110.23	31.69	7.07	34.42
PK	5.3552G	69.92	74.00	-4.08	4.39	3	Horizontal	231	2.93	-	65.53	31.71	7.10	34.42

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TX

06/03/2019

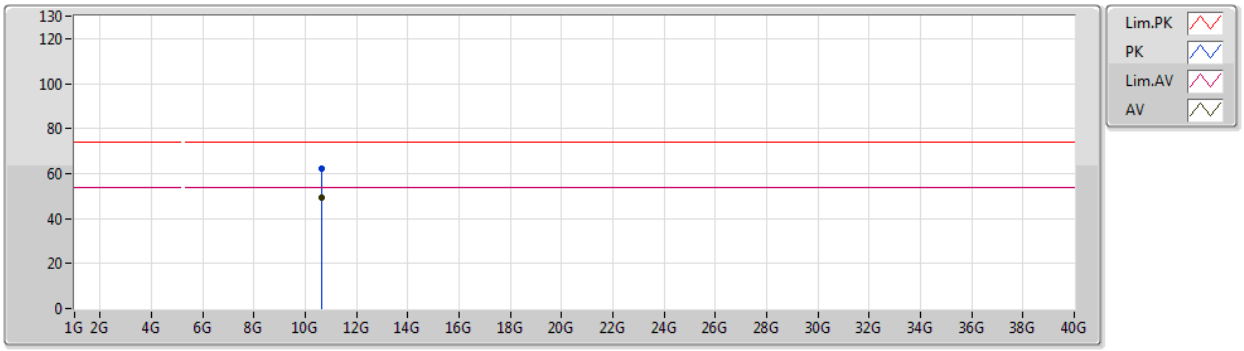


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.64236G	49.87	54.00	-4.13	15.01	3	Vertical	228	1.76	-	34.86	39.79	9.87	34.65
PK	10.64124G	63.39	74.00	-10.61	15.00	3	Vertical	228	1.76	-	48.39	39.78	9.87	34.65

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TX

06/03/2019

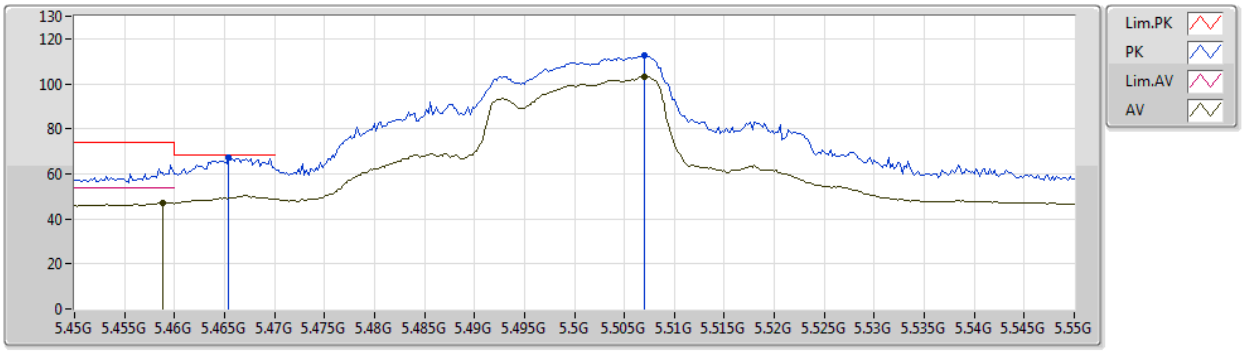


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.6386G	49.43	54.00	-4.57	15.00	3	Horizontal	313	1.50	-	34.43	39.78	9.87	34.65
PK	10.63896G	62.36	74.00	-11.64	15.00	3	Horizontal	313	1.50	-	47.36	39.78	9.87	34.65

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TX

06/03/2019

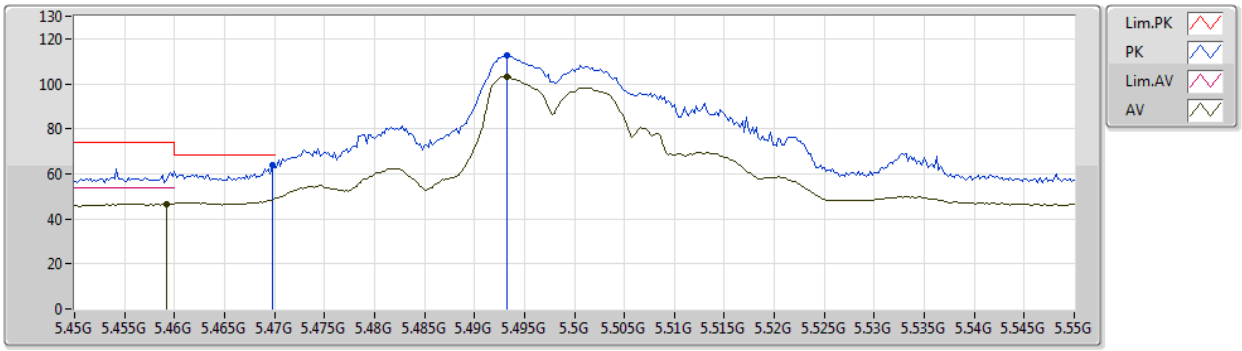


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4588G	47.24	54.00	-6.76	4.53	3	Vertical	9	2.99	-	42.71	31.78	7.16	34.41
AV	5.507G	103.09	Inf	-Inf	4.59	3	Vertical	9	2.99	-	98.50	31.81	7.19	34.41
PK	5.4654G	67.48	68.20	-0.72	4.54	3	Vertical	9	2.99	-	62.94	31.78	7.17	34.41
PK	5.507G	112.63	Inf	-Inf	4.59	3	Vertical	9	2.99	-	108.04	31.81	7.19	34.41

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TX

06/03/2019

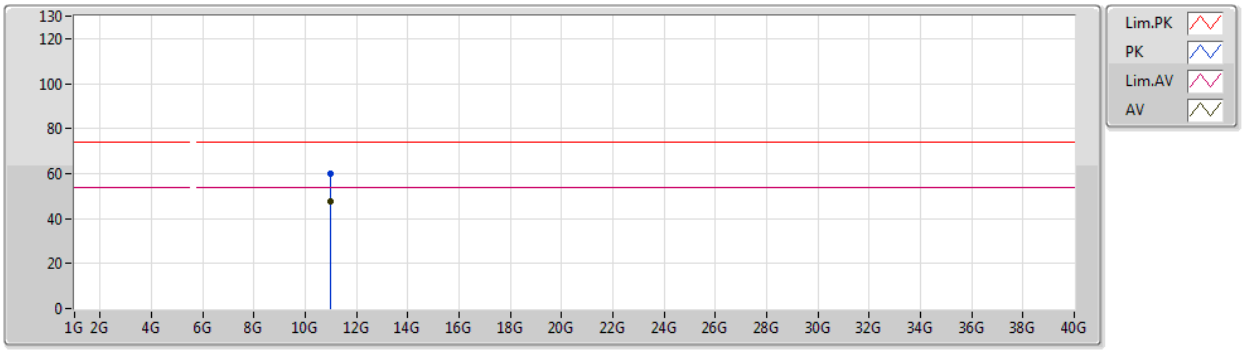


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4592G	46.74	54.00	-7.26	4.53	3	Horizontal	345	1.50	-	42.21	31.78	7.16	34.41
AV	5.4932G	103.17	Inf	-Inf	4.58	3	Horizontal	345	1.50	-	98.59	31.80	7.19	34.41
PK	5.4698G	63.89	68.20	-4.31	4.54	3	Horizontal	345	1.50	-	59.35	31.78	7.17	34.41
PK	5.4932G	112.55	Inf	-Inf	4.58	3	Horizontal	345	1.50	-	107.97	31.80	7.19	34.41

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TX

06/03/2019

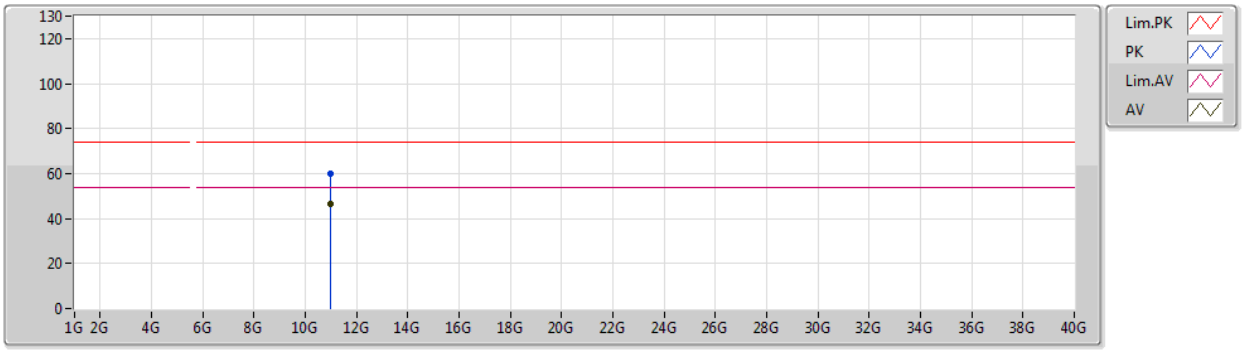


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.99782G	47.41	54.00	-6.59	15.61	3	Vertical	257	2.99	-	31.80	40.00	9.98	34.37
PK	10.99858G	60.12	74.00	-13.88	15.61	3	Vertical	257	2.99	-	44.51	40.00	9.98	34.37

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TX

06/03/2019

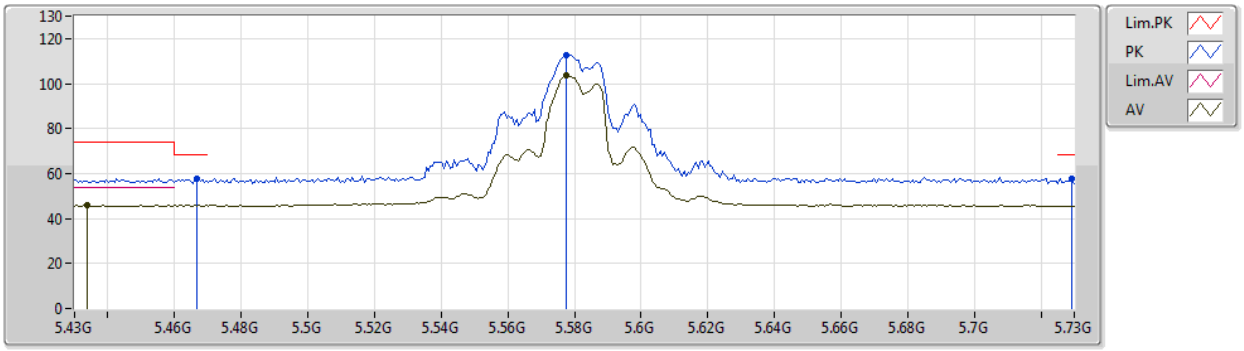


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.00044G	46.59	54.00	-7.41	15.61	3	Horizontal	271	1.64	-	30.98	40.00	9.98	34.37
PK	11.00035G	60.20	74.00	-13.80	15.61	3	Horizontal	271	1.64	-	44.59	40.00	9.98	34.37

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

06/03/2019

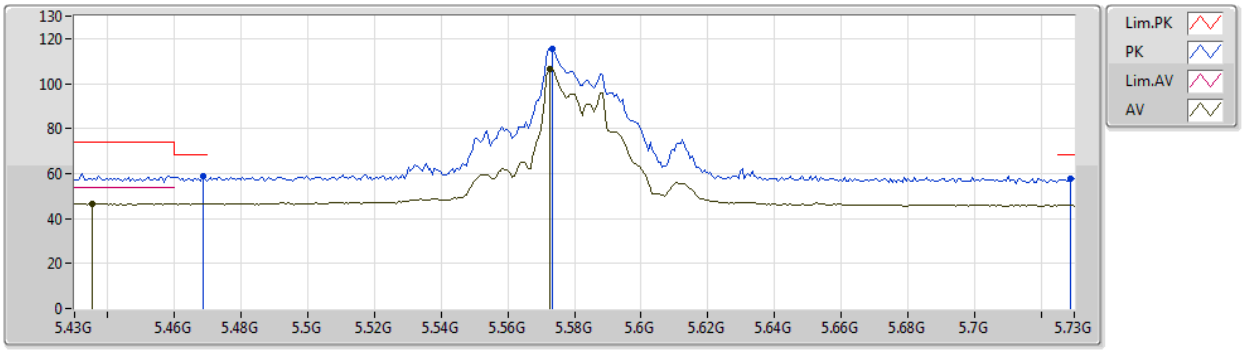


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4336G	45.93	54.00	-8.07	4.49	3	Vertical	360	2.91	-	41.44	31.76	7.14	34.41
AV	5.5776G	103.50	Inf	-Inf	4.72	3	Vertical	360	2.91	-	98.78	31.91	7.24	34.43
PK	5.4666G	57.72	68.20	-10.48	4.54	3	Vertical	360	2.91	-	53.18	31.78	7.17	34.41
PK	5.5776G	112.82	Inf	-Inf	4.72	3	Vertical	360	2.91	-	108.10	31.91	7.24	34.43
PK	5.7294G	57.54	68.20	-10.66	5.09	3	Vertical	360	2.91	-	52.45	32.12	7.43	34.46

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

06/03/2019

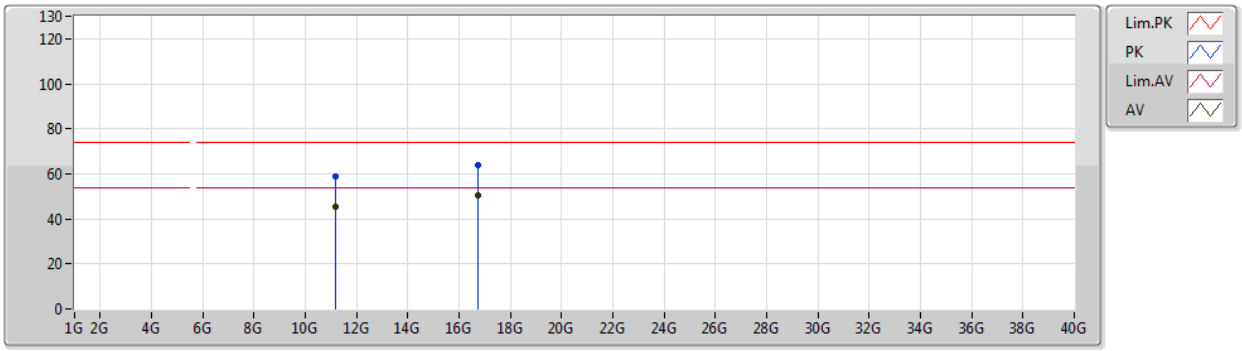


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4354G	46.68	54.00	-7.32	4.49	3	Horizontal	316	2.98	-	42.19	31.76	7.14	34.41
AV	5.5728G	106.34	Inf	-Inf	4.71	3	Horizontal	316	2.98	-	101.63	31.90	7.24	34.43
PK	5.4684G	58.67	68.20	-9.53	4.54	3	Horizontal	316	2.98	-	54.13	31.78	7.17	34.41
PK	5.5734G	115.37	Inf	-Inf	4.71	3	Horizontal	316	2.98	-	110.66	31.90	7.24	34.43
PK	5.7288G	57.98	68.20	-10.22	5.09	3	Horizontal	316	2.98	-	52.89	32.12	7.43	34.46

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

06/03/2019

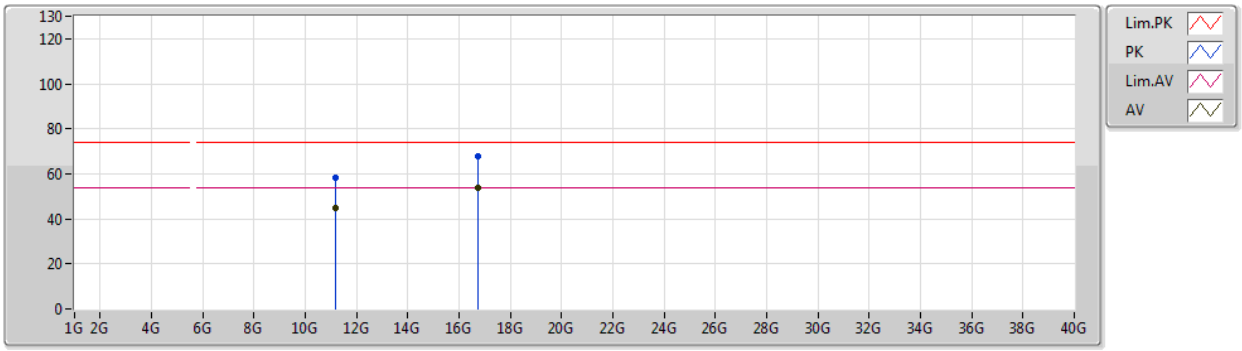


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.16012G	45.61	54.00	-8.39	15.59	3	Vertical	5	1.07	-	30.02	39.94	10.03	34.38
AV	16.73724G	50.53	54.00	-3.47	16.82	3	Vertical	247	1.42	-	33.71	39.06	11.95	34.19
PK	11.16006G	58.94	74.00	-15.06	15.59	3	Vertical	5	1.07	-	43.35	39.94	10.03	34.38
PK	16.73796G	64.06	74.00	-9.94	16.84	3	Vertical	247	1.42	-	47.22	39.07	11.95	34.18

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

06/03/2019

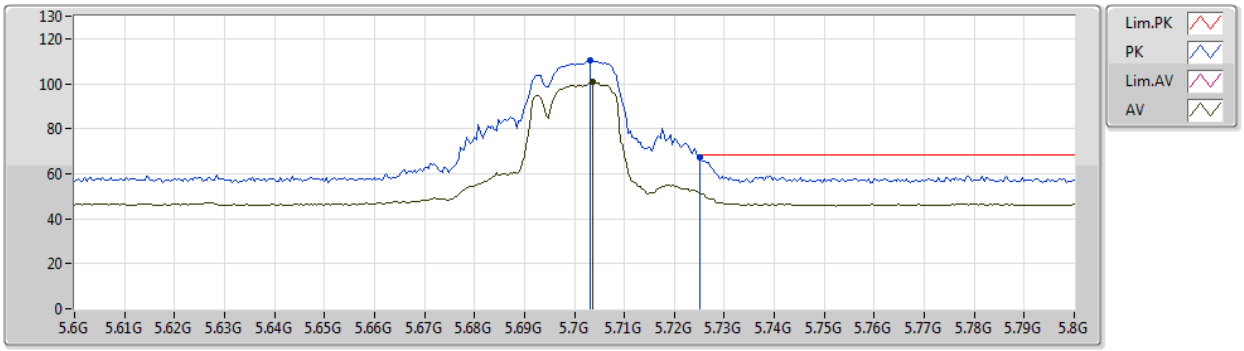


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.1561G	45.08	54.00	-8.92	15.59	3	Horizontal	304	1.59	-	29.49	39.94	10.03	34.38
AV	16.7382G	53.63	54.00	-0.37	16.84	3	Horizontal	223	1.28	-	36.79	39.07	11.95	34.18
PK	11.15784G	58.22	74.00	-15.78	15.59	3	Horizontal	304	1.59	-	42.63	39.94	10.03	34.38
PK	16.74528G	67.86	74.00	-6.14	16.87	3	Horizontal	223	1.28	-	50.99	39.09	11.95	34.17

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TX

06/03/2019

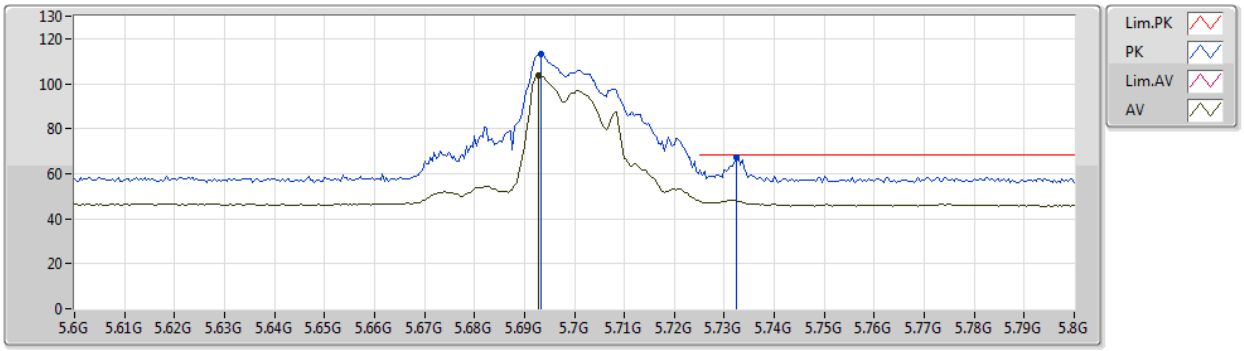


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7036G	100.99	Inf	-Inf	5.03	3	Vertical	28	2.99	-	95.96	32.09	7.39	34.45
PK	5.7032G	110.54	Inf	-Inf	5.02	3	Vertical	28	2.99	-	105.52	32.08	7.39	34.45
PK	5.7252G	67.45	68.20	-0.75	5.08	3	Vertical	28	2.99	-	62.37	32.12	7.42	34.46

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TX

06/03/2019

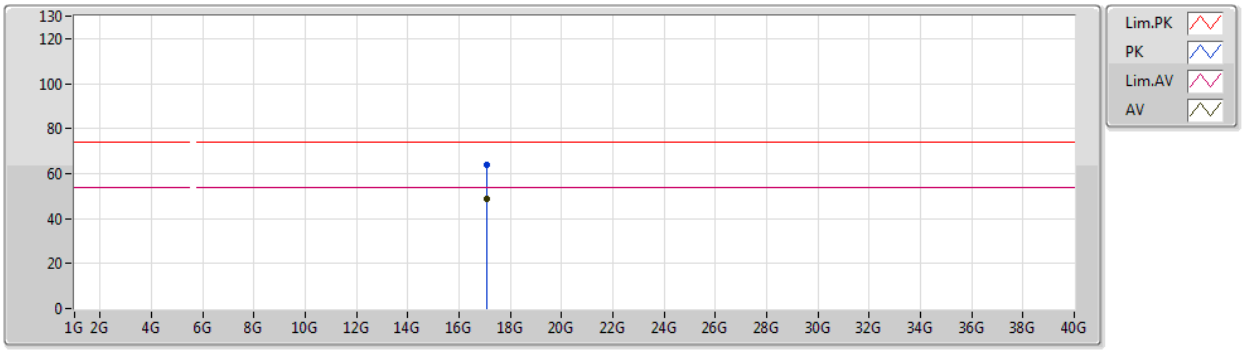


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.6928G	103.59	Inf	-Inf	5.00	3	Horizontal	338	1.50	-	98.59	32.07	7.38	34.45
PK	5.6932G	113.06	Inf	-Inf	5.00	3	Horizontal	338	1.50	-	108.06	32.07	7.38	34.45
PK	5.7324G	67.15	68.20	-1.05	5.10	3	Horizontal	338	1.50	-	62.05	32.13	7.43	34.46

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TX

06/03/2019

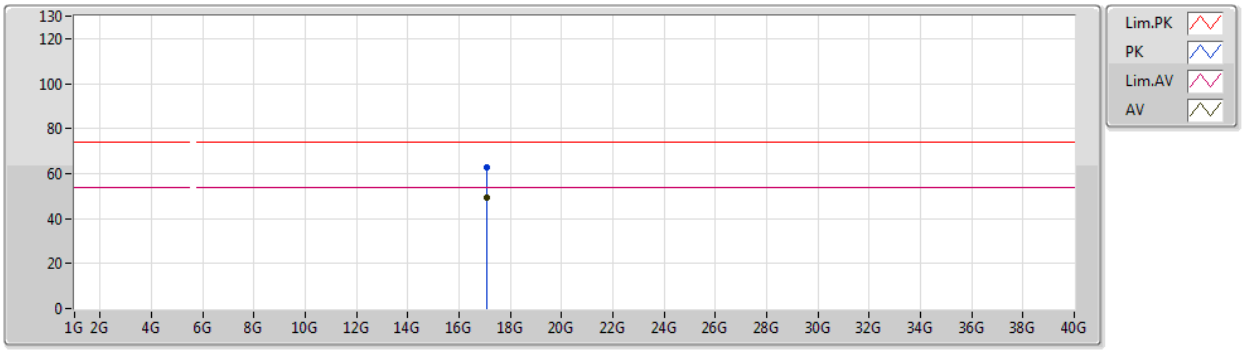


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	17.10416G	49.01	54.00	-4.99	18.58	3	Vertical	0	2.00	-	30.43	40.03	12.21	33.66
PK	17.09312G	63.70	74.00	-10.30	18.53	3	Vertical	0	2.00	-	45.17	40.00	12.19	33.66

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TX

06/03/2019

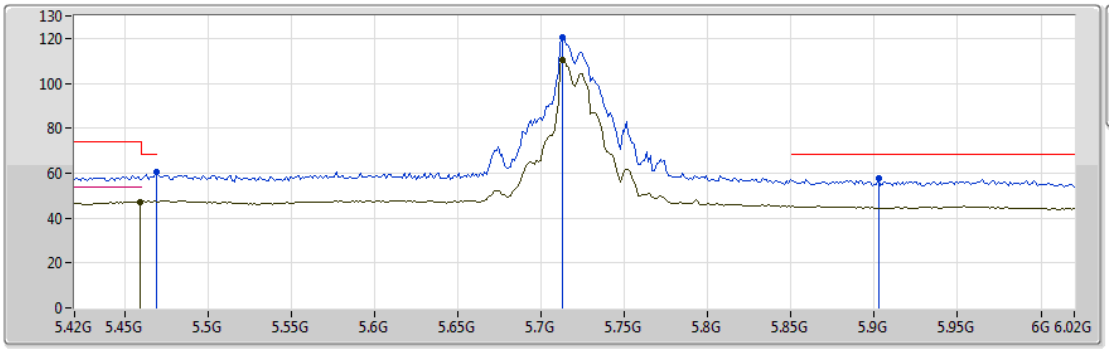


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	17.10508G	49.04	54.00	-4.96	18.58	3	Horizontal	301	1.50	-	30.46	40.03	12.21	33.66
PK	17.10248G	62.72	74.00	-11.28	18.57	3	Horizontal	301	1.50	-	44.15	40.03	12.20	33.66

802.11a_Nss1,(6Mbps)_4TX

06/03/2019

5720MHz Straddle 5.47-5.725GHz_TX

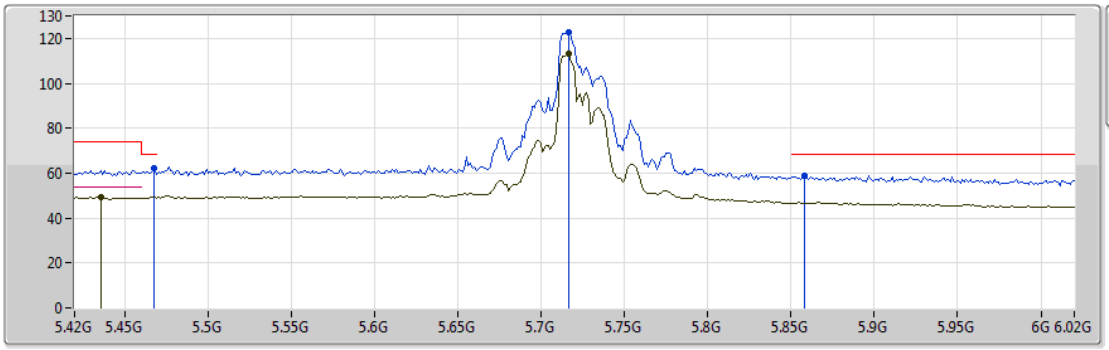


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4596G	47.27	54.00	-6.73	4.53	3	Vertical	32	2.94	-	42.74	31.78	7.16	34.41
AV	5.7128G	110.66	Inf	-Inf	5.05	3	Vertical	32	2.94	-	105.61	32.10	7.41	34.46
PK	5.4692G	60.41	68.20	-7.79	4.54	3	Vertical	32	2.94	-	55.87	31.78	7.17	34.41
PK	5.7128G	120.44	Inf	-Inf	5.05	3	Vertical	32	2.94	-	115.39	32.10	7.41	34.46
PK	5.9024G	57.94	68.20	-10.26	5.36	3	Vertical	32	2.94	-	52.58	32.36	7.50	34.50

802.11a_Nss1,(6Mbps)_4TX

06/03/2019

5720MHz Straddle 5.47-5.725GHz_TX

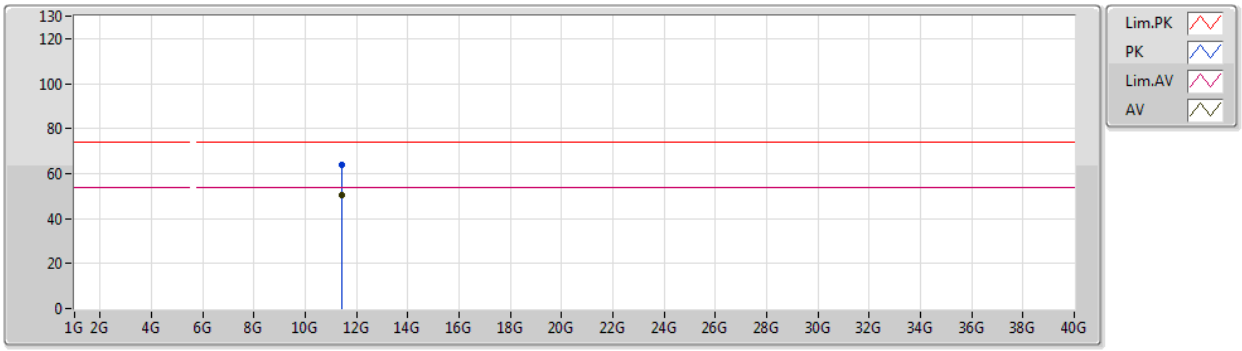


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4356G	49.28	54.00	-4.72	4.49	3	Horizontal	318	2.20	-	44.79	31.76	7.14	34.41
AV	5.7164G	113.29	Inf	-Inf	5.05	3	Horizontal	318	2.20	-	108.24	32.10	7.41	34.46
PK	5.468G	61.97	68.20	-6.23	4.54	3	Horizontal	318	2.20	-	57.43	31.78	7.17	34.41
PK	5.7164G	122.78	Inf	-Inf	5.05	3	Horizontal	318	2.20	-	117.73	32.10	7.41	34.46
PK	5.858G	58.90	68.20	-9.30	5.32	3	Horizontal	318	2.20	-	53.58	32.30	7.51	34.49

802.11a_Nss1,(6Mbps)_4TX

5720MHz_TX

06/03/2019

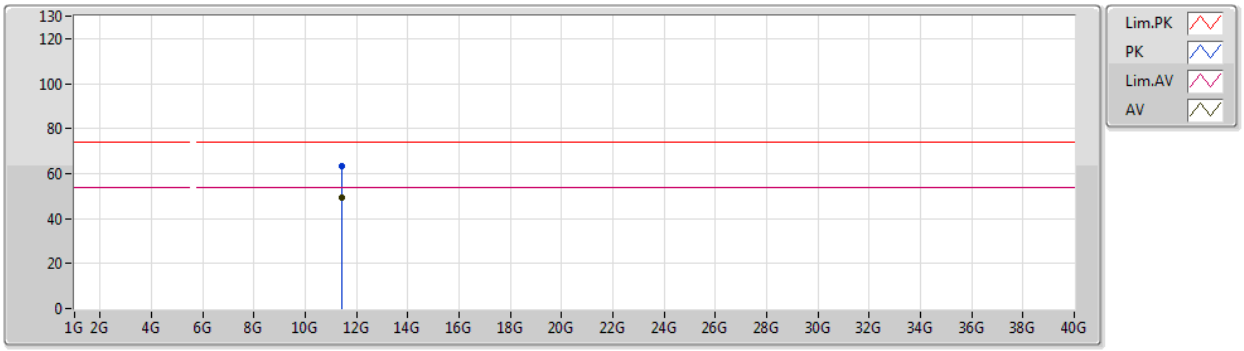


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.44072G	50.65	54.00	-3.35	15.55	3	Vertical	347	1.16	-	35.10	39.82	10.12	34.39
PK	11.44186G	63.71	74.00	-10.29	15.55	3	Vertical	347	1.16	-	48.16	39.82	10.12	34.39

802.11a_Nss1,(6Mbps)_4TX

5720MHz_TX

06/03/2019

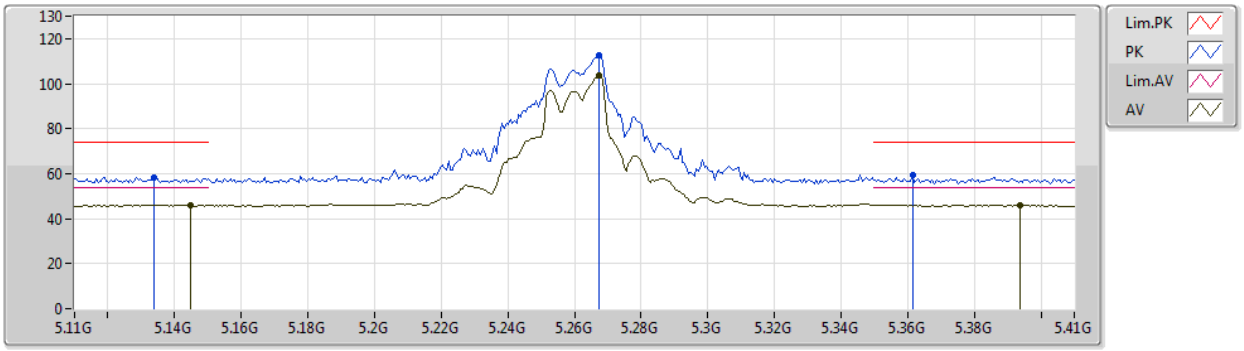


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.4433G	49.59	54.00	-4.41	15.55	3	Horizontal	157	1.64	-	34.04	39.82	10.12	34.39
PK	11.4427G	63.17	74.00	-10.83	15.55	3	Horizontal	157	1.64	-	47.62	39.82	10.12	34.39

802.11ac VHT20_Nss4,(MCS0)_4TX

5260MHz_TX

06/03/2019

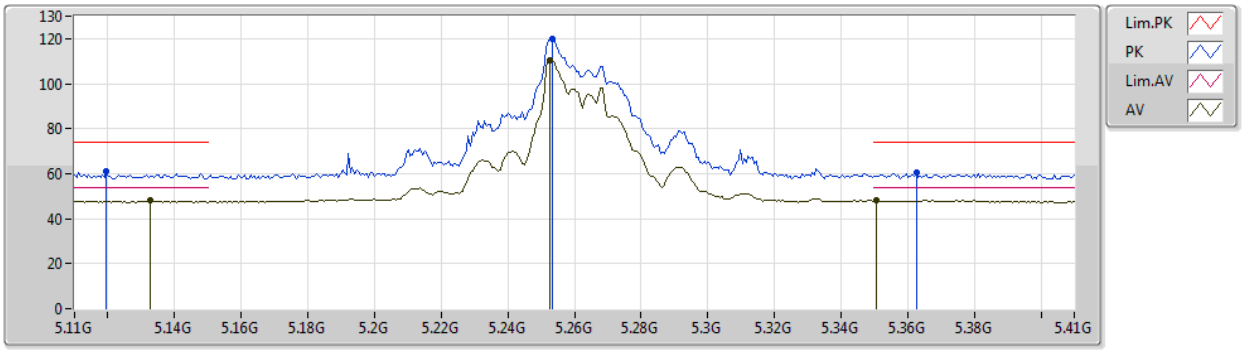


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1448G	46.09	54.00	-7.91	4.14	3	Vertical	335	1.50	-	41.95	31.59	6.97	34.42
AV	5.2672G	103.46	Inf	-Inf	4.29	3	Vertical	335	1.50	-	99.17	31.66	7.05	34.42
AV	5.3938G	46.09	54.00	-7.91	4.45	3	Vertical	335	1.50	-	41.64	31.74	7.12	34.41
PK	5.134G	58.54	74.00	-15.46	4.12	3	Vertical	335	1.50	-	54.42	31.58	6.96	34.42
PK	5.2672G	112.46	Inf	-Inf	4.29	3	Vertical	335	1.50	-	108.17	31.66	7.05	34.42
PK	5.3614G	59.36	74.00	-14.64	4.40	3	Vertical	335	1.50	-	54.96	31.72	7.10	34.42

802.11ac VHT20_Nss4,(MCS0)_4TX

5260MHz_TX

06/03/2019

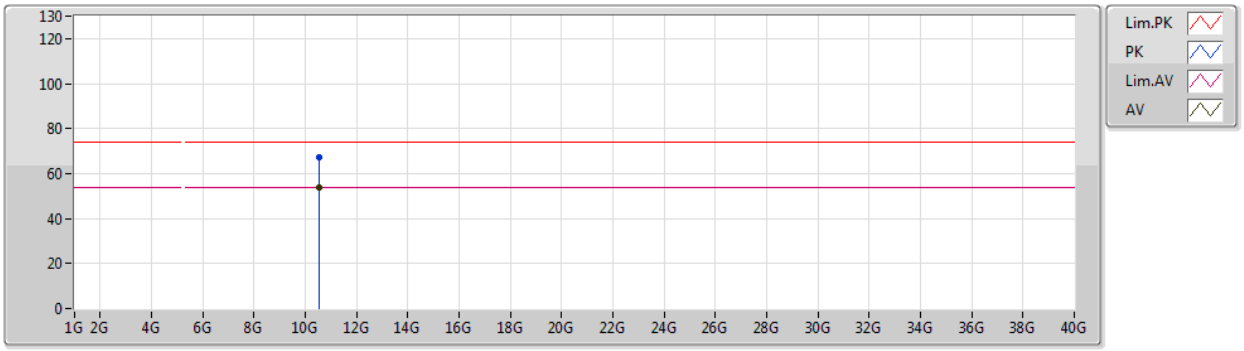


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1328G	48.01	54.00	-5.99	4.12	3	Horizontal	320	2.97	-	43.89	31.58	6.96	34.42
AV	5.2528G	110.56	Inf	-Inf	4.27	3	Horizontal	320	2.97	-	106.29	31.65	7.04	34.42
AV	5.3506G	48.17	54.00	-5.83	4.38	3	Horizontal	320	2.97	-	43.79	31.71	7.09	34.42
PK	5.1196G	60.80	74.00	-13.20	4.09	3	Horizontal	320	2.97	-	56.71	31.57	6.95	34.43
PK	5.2534G	120.15	Inf	-Inf	4.27	3	Horizontal	320	2.97	-	115.88	31.65	7.04	34.42
PK	5.3626G	60.49	74.00	-13.51	4.40	3	Horizontal	320	2.97	-	56.09	31.72	7.10	34.42

802.11ac VHT20_Nss4,(MCS0)_4TX

5260MHz_TX

06/03/2019

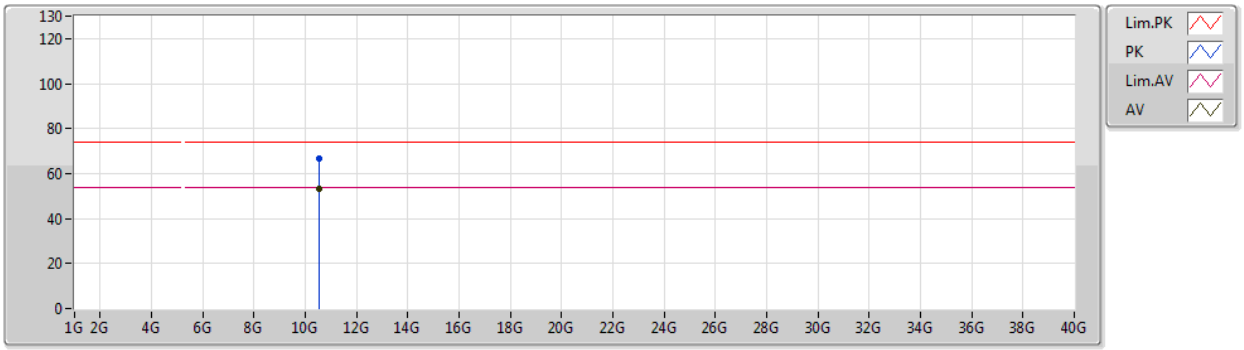


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.52012G	53.77	54.00	-0.23	14.80	3	Vertical	0	1.09	-	38.97	39.71	9.83	34.74
PK	10.52052G	67.29	74.00	-6.71	14.80	3	Vertical	0	1.09	-	52.49	39.71	9.83	34.74

802.11ac VHT20_Nss4,(MCS0)_4TX

5260MHz_TX

06/03/2019

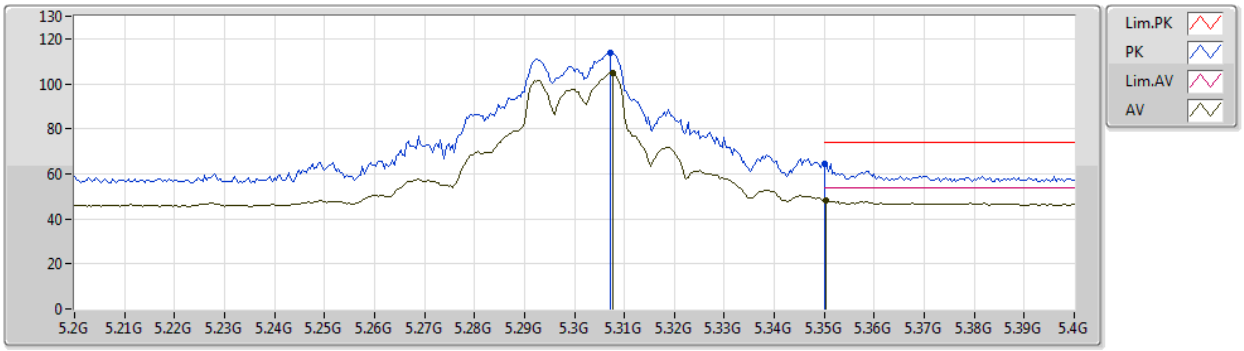


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.51912G	53.15	54.00	-0.85	14.79	3	Horizontal	314	1.59	-	38.36	39.71	9.83	34.75
PK	10.52004G	66.95	74.00	-7.05	14.80	3	Horizontal	314	1.59	-	52.15	39.71	9.83	34.74

802.11ac VHT20_Nss4,(MCS0)_4TX

5300MHz_TX

06/03/2019

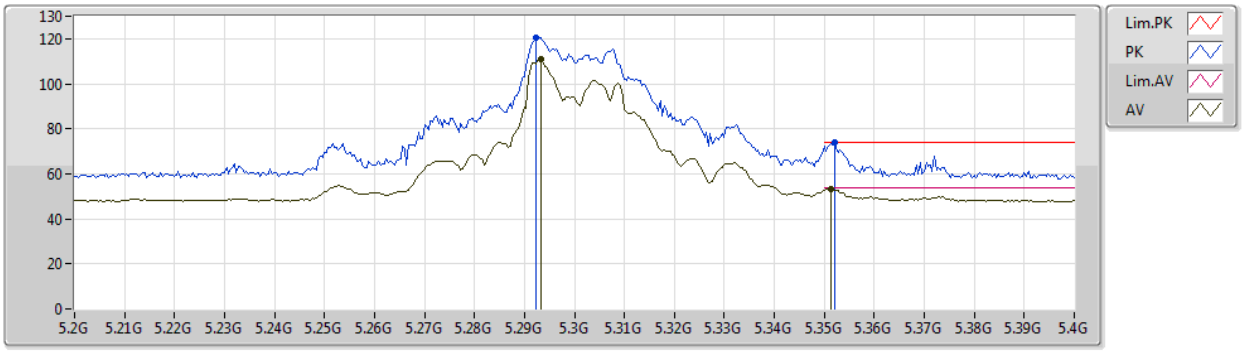


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3076G	104.64	Inf	-Inf	4.33	3	Vertical	343	1.50	-	100.31	31.68	7.07	34.42
AV	5.3504G	48.39	54.00	-5.61	4.38	3	Vertical	343	1.50	-	44.01	31.71	7.09	34.42
PK	5.3072G	113.95	Inf	-Inf	4.33	3	Vertical	343	1.50	-	109.62	31.68	7.07	34.42
PK	5.35G	64.52	74.00	-9.48	4.38	3	Vertical	343	1.50	-	60.14	31.71	7.09	34.42

802.11ac VHT20_Nss4,(MCS0)_4TX

5300MHz_TX

06/03/2019

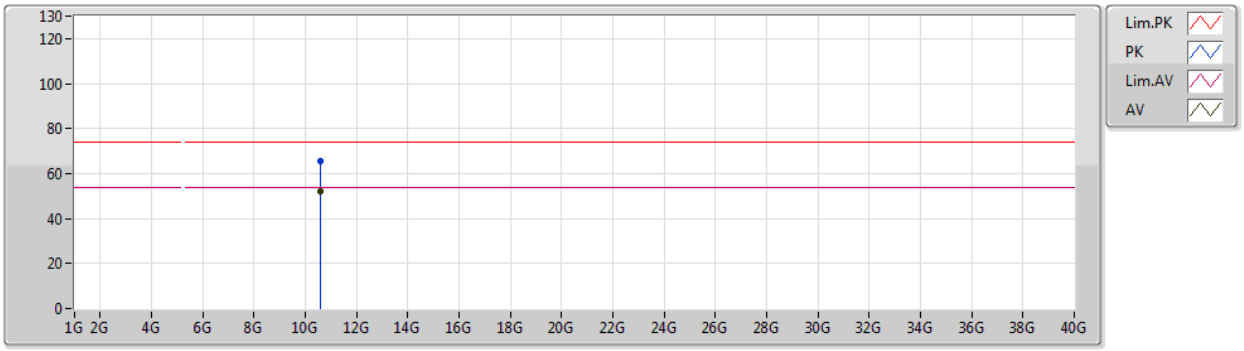


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.2932G	110.88	Inf	-Inf	4.32	3	Horizontal	330	2.99	-	106.56	31.68	7.06	34.42
AV	5.3512G	53.21	54.00	-0.79	4.38	3	Horizontal	330	2.99	-	48.83	31.71	7.09	34.42
PK	5.2924G	120.40	Inf	-Inf	4.32	3	Horizontal	330	2.99	-	116.08	31.68	7.06	34.42
PK	5.352G	73.74	74.00	-0.26	4.38	3	Horizontal	330	2.99	-	69.36	31.71	7.09	34.42

802.11ac VHT20_Nss4,(MCS0)_4TX

5300MHz_TX

06/03/2019

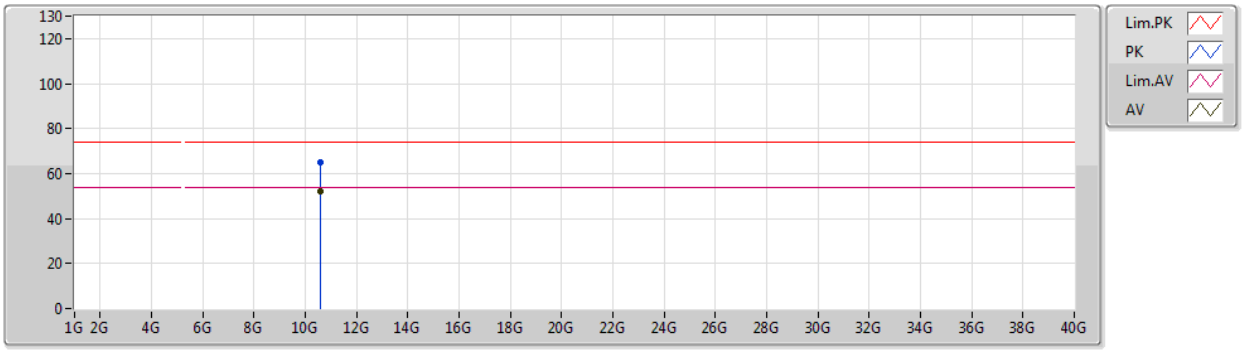


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.59634G	52.23	54.00	-1.77	14.93	3	Vertical	273	1.46	-	37.30	39.76	9.85	34.68
PK	10.59544G	65.74	74.00	-8.26	14.92	3	Vertical	273	1.46	-	50.82	39.76	9.85	34.69

802.11ac VHT20_Nss4,(MCS0)_4TX

5300MHz_TX

06/03/2019

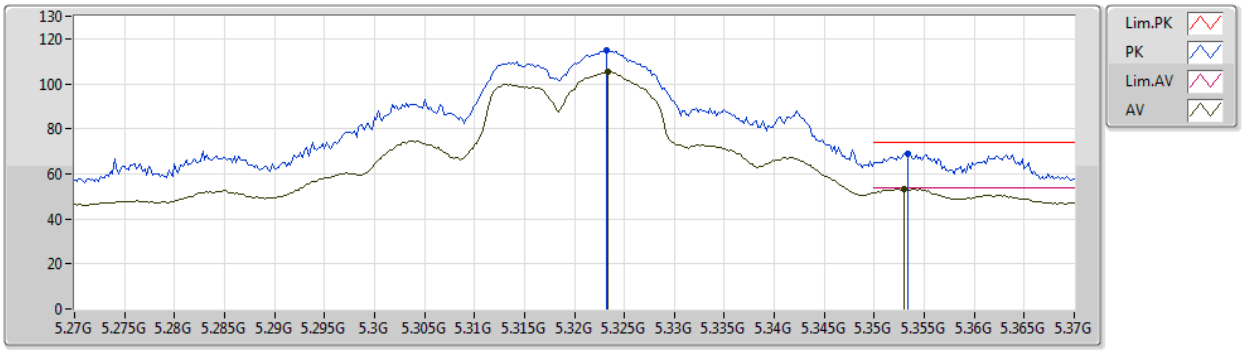


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.60036G	51.84	54.00	-2.16	14.94	3	Horizontal	202	1.50	-	36.90	39.76	9.86	34.68
PK	10.60024G	64.76	74.00	-9.24	14.94	3	Horizontal	202	1.50	-	49.82	39.76	9.86	34.68

802.11ac VHT20_Nss4,(MCS0)_4TX

5320MHz_TX

06/03/2019

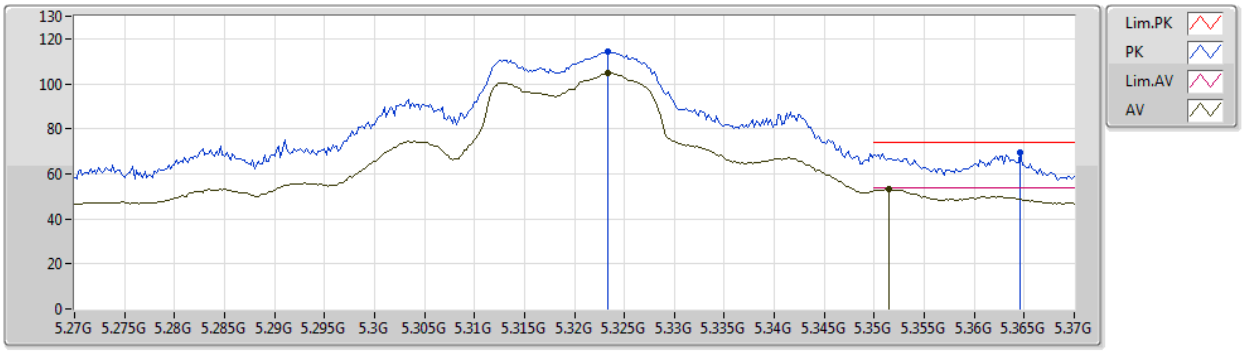


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3234G	105.57	Inf	-Inf	4.35	3	Vertical	247	2.77	-	101.22	31.69	7.08	34.42
AV	5.353G	53.50	54.00	-0.50	4.38	3	Vertical	247	2.77	-	49.12	31.71	7.09	34.42
PK	5.3232G	114.74	Inf	-Inf	4.35	3	Vertical	247	2.77	-	110.39	31.69	7.08	34.42
PK	5.3534G	69.13	74.00	-4.87	4.38	3	Vertical	247	2.77	-	64.75	31.71	7.09	34.42

802.11ac VHT20_Nss4,(MCS0)_4TX

5320MHz_TX

06/03/2019

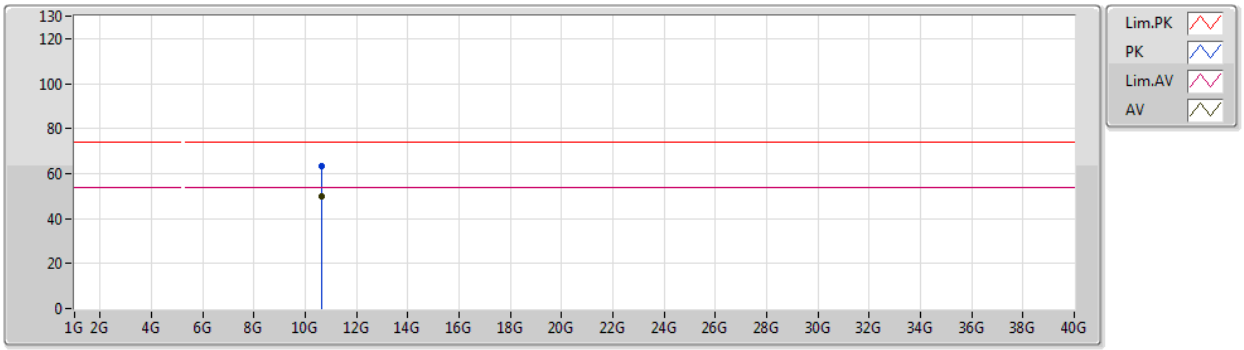


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3234G	104.97	Inf	-Inf	4.35	3	Horizontal	317	1.50	-	100.62	31.69	7.08	34.42
AV	5.3514G	53.48	54.00	-0.52	4.38	3	Horizontal	317	1.50	-	49.10	31.71	7.09	34.42
PK	5.3234G	114.23	Inf	-Inf	4.35	3	Horizontal	317	1.50	-	109.88	31.69	7.08	34.42
PK	5.3646G	69.46	74.00	-4.54	4.40	3	Horizontal	317	1.50	-	65.06	31.72	7.10	34.42

802.11ac VHT20_Nss4,(MCS0)_4TX

5320MHz_TX

06/03/2019

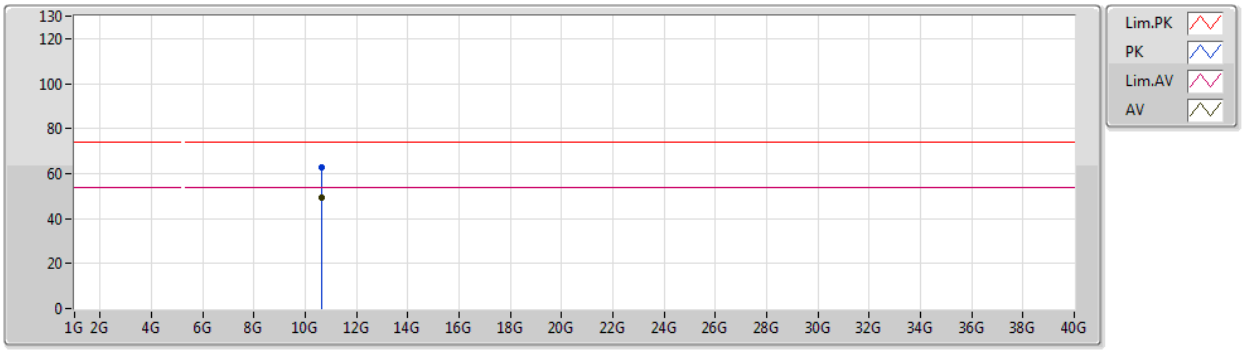


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.64198G	49.90	54.00	-4.10	15.01	3	Vertical	228	1.77	-	34.89	39.79	9.87	34.65
PK	10.64064G	63.39	74.00	-10.61	15.00	3	Vertical	228	1.77	-	48.39	39.78	9.87	34.65

802.11ac VHT20_Nss4,(MCS0)_4TX

5320MHz_TX

06/03/2019

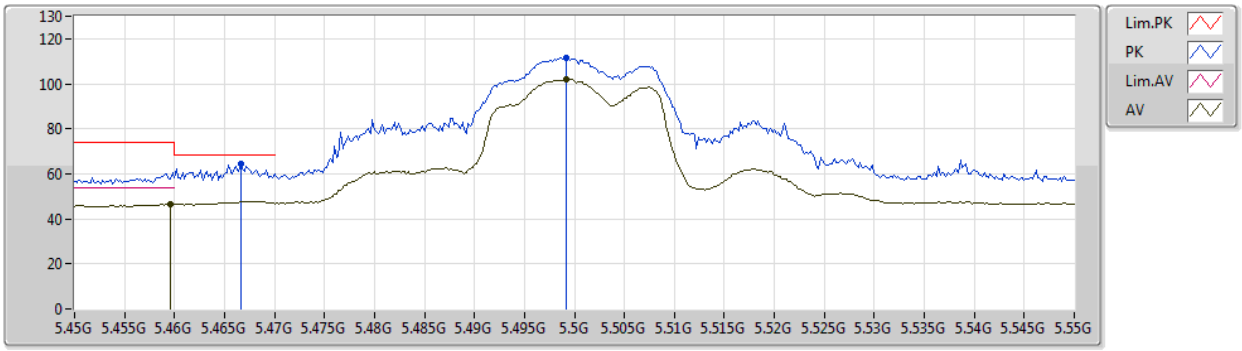


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.63818G	49.44	54.00	-4.56	15.00	3	Horizontal	313	1.50	-	34.44	39.78	9.87	34.65
PK	10.63826G	62.72	74.00	-11.28	15.00	3	Horizontal	313	1.50	-	47.72	39.78	9.87	34.65

802.11ac VHT20_Nss4,(MCS0)_4TX

5500MHz_TX

06/03/2019

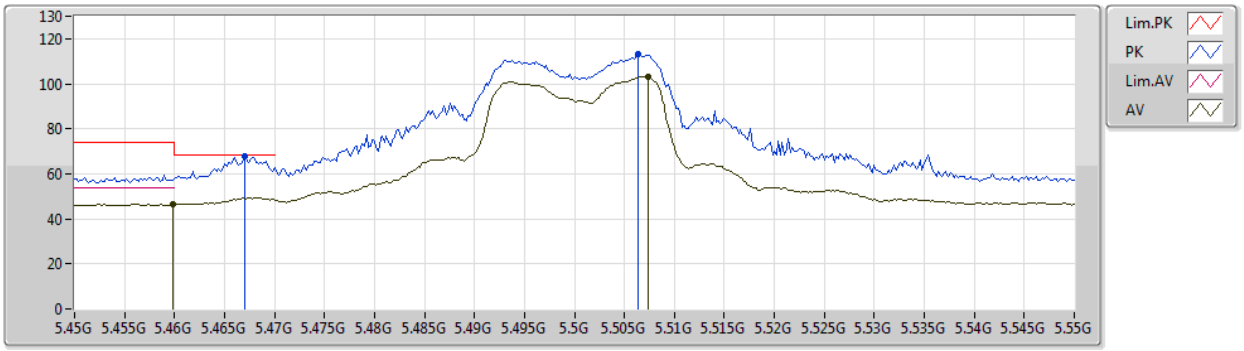


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4596G	46.44	54.00	-7.56	4.53	3	Vertical	345	2.99	-	41.91	31.78	7.16	34.41
AV	5.4992G	102.09	Inf	-Inf	4.58	3	Vertical	345	2.99	-	97.51	31.80	7.19	34.41
PK	5.4666G	64.56	68.20	-3.64	4.54	3	Vertical	345	2.99	-	60.02	31.78	7.17	34.41
PK	5.4992G	111.37	Inf	-Inf	4.58	3	Vertical	345	2.99	-	106.79	31.80	7.19	34.41

802.11ac VHT20_Nss4,(MCS0)_4TX

5500MHz_TX

06/03/2019

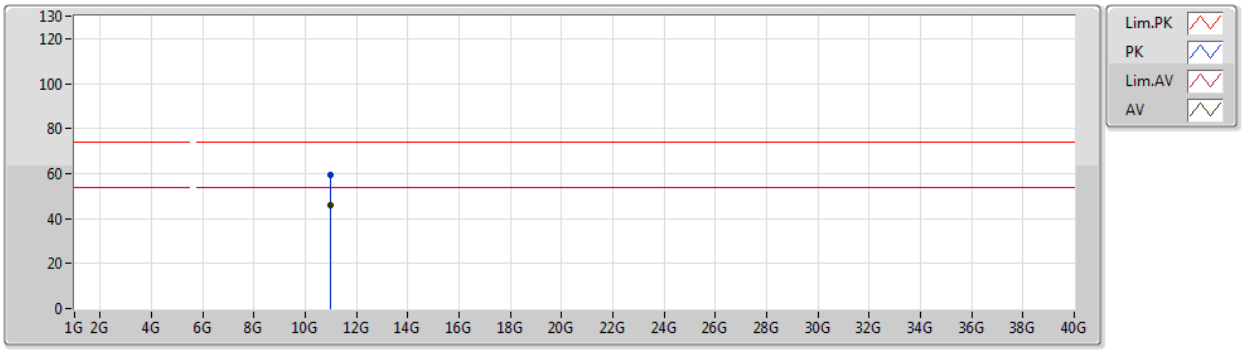


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4598G	46.46	54.00	-7.54	4.53	3	Horizontal	236	2.99	-	41.93	31.78	7.16	34.41
AV	5.5074G	103.17	Inf	-Inf	4.60	3	Horizontal	236	2.99	-	98.57	31.81	7.20	34.41
PK	5.467G	67.75	68.20	-0.45	4.54	3	Horizontal	236	2.99	-	63.21	31.78	7.17	34.41
PK	5.5064G	113.06	Inf	-Inf	4.59	3	Horizontal	236	2.99	-	108.47	31.81	7.19	34.41

802.11ac VHT20_Nss4,(MCS0)_4TX

5500MHz_TX

06/03/2019

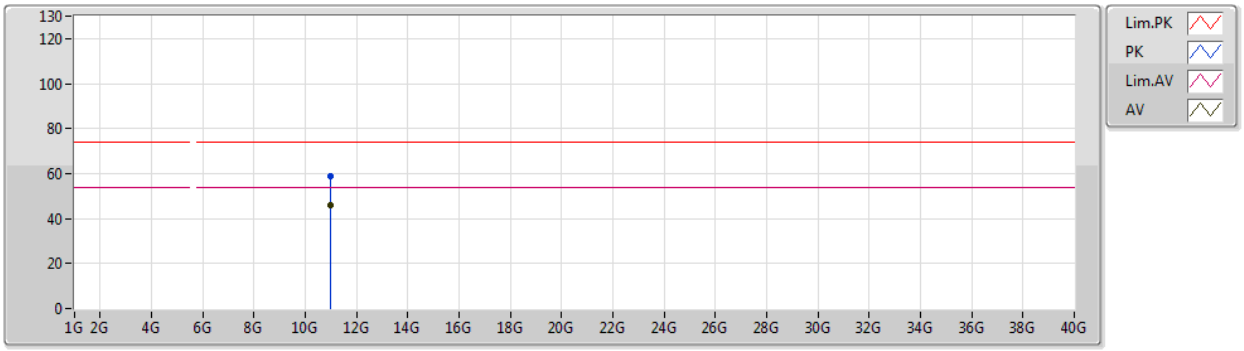


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.00036G	46.14	54.00	-7.86	15.61	3	Vertical	0	1.02	-	30.53	40.00	9.98	34.37
PK	10.99986G	59.28	74.00	-14.72	15.61	3	Vertical	0	1.02	-	43.67	40.00	9.98	34.37

802.11ac VHT20_Nss4,(MCS0)_4TX

5500MHz_TX

06/03/2019

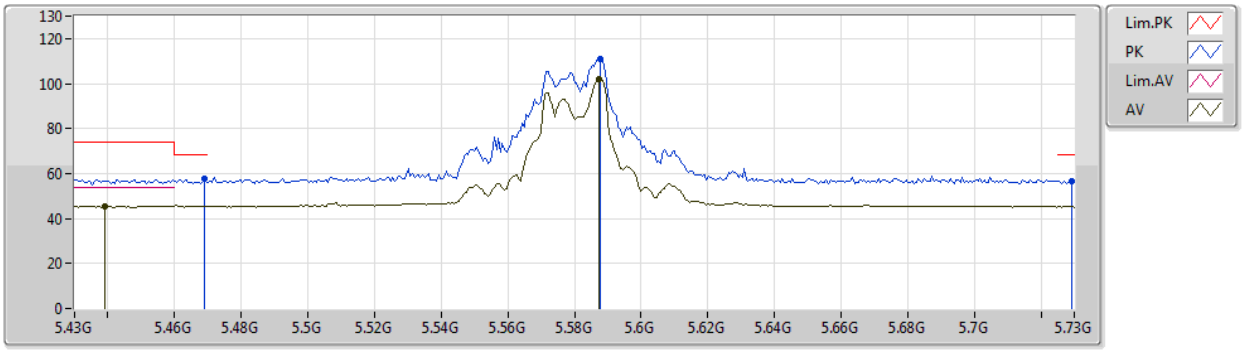


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.99924G	45.84	54.00	-8.16	15.61	3	Horizontal	275	1.50	-	30.23	40.00	9.98	34.37
PK	10.99906G	58.89	74.00	-15.11	15.61	3	Horizontal	275	1.50	-	43.28	40.00	9.98	34.37

802.11ac VHT20_Nss4,(MCS0)_4TX

06/03/2019

5580MHz_TX

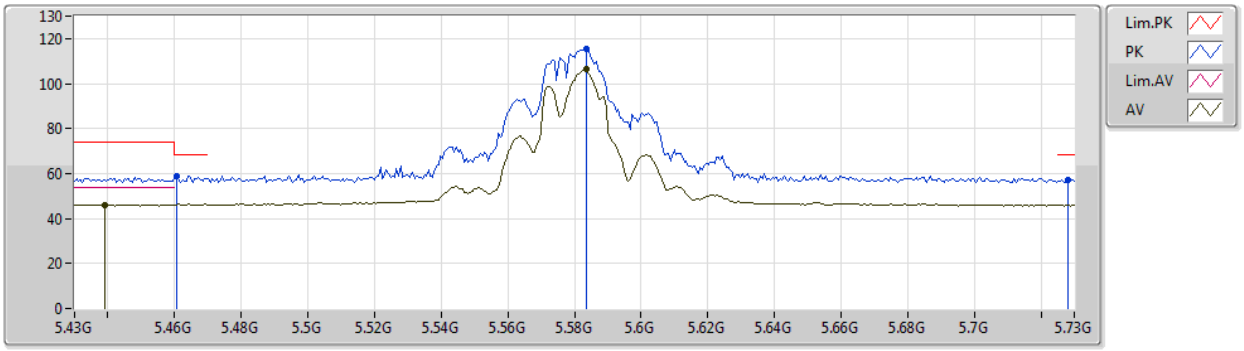


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.439G	45.65	54.00	-8.35	4.50	3	Vertical	336	1.50	-	41.15	31.76	7.15	34.41
AV	5.5872G	101.78	Inf	-Inf	4.74	3	Vertical	336	1.50	-	97.04	31.92	7.25	34.43
PK	5.469G	57.55	68.20	-10.65	4.54	3	Vertical	336	1.50	-	53.01	31.78	7.17	34.41
PK	5.5878G	111.21	Inf	-Inf	4.74	3	Vertical	336	1.50	-	106.47	31.92	7.25	34.43
PK	5.7294G	56.76	68.20	-11.44	5.09	3	Vertical	336	1.50	-	51.67	32.12	7.43	34.46

802.11ac VHT20_Nss4,(MCS0)_4TX

5580MHz_TX

06/03/2019

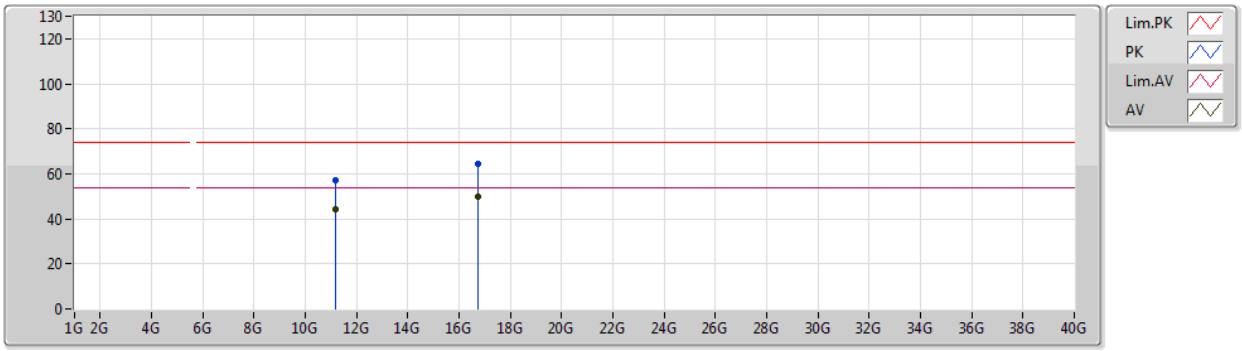


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.439G	46.16	54.00	-7.84	4.50	3	Horizontal	336	1.50	-	41.66	31.76	7.15	34.41
AV	5.5836G	106.42	Inf	-Inf	4.74	3	Horizontal	336	1.50	-	101.68	31.92	7.25	34.43
PK	5.4606G	58.88	68.20	-9.32	4.53	3	Horizontal	336	1.50	-	54.35	31.78	7.16	34.41
PK	5.5836G	115.54	Inf	-Inf	4.74	3	Horizontal	336	1.50	-	110.80	31.92	7.25	34.43
PK	5.7282G	57.24	68.20	-10.96	5.09	3	Horizontal	336	1.50	-	52.15	32.12	7.43	34.46

802.11ac VHT20_Nss4,(MCS0)_4TX

5580MHz_TX

06/03/2019

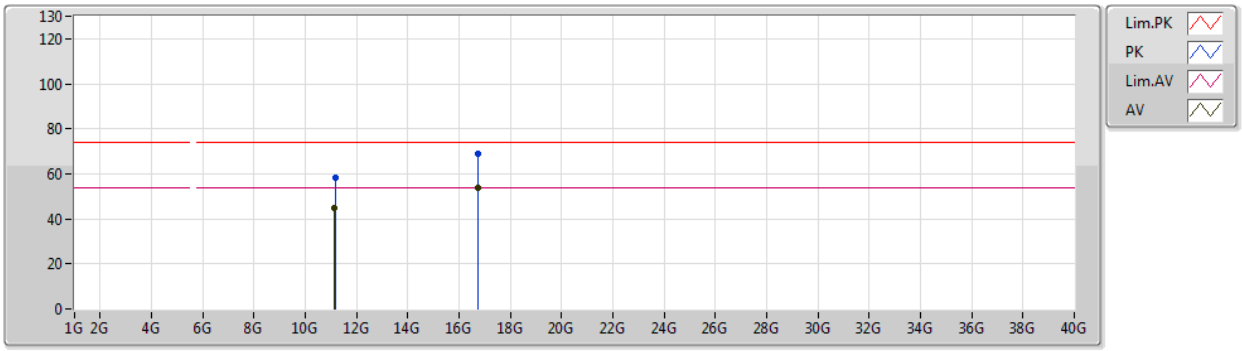


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.16168G	44.36	54.00	-9.64	15.59	3	Vertical	226	1.35	-	28.77	39.94	10.03	34.38
AV	16.73622G	49.81	54.00	-4.19	16.82	3	Vertical	221	2.56	-	32.99	39.06	11.95	34.19
PK	11.16282G	57.10	74.00	-16.90	15.58	3	Vertical	226	1.35	-	41.52	39.93	10.03	34.38
PK	16.73628G	64.58	74.00	-9.42	16.82	3	Vertical	221	2.56	-	47.76	39.06	11.95	34.19

802.11ac VHT20_Nss4,(MCS0)_4TX

5580MHz_TX

06/03/2019

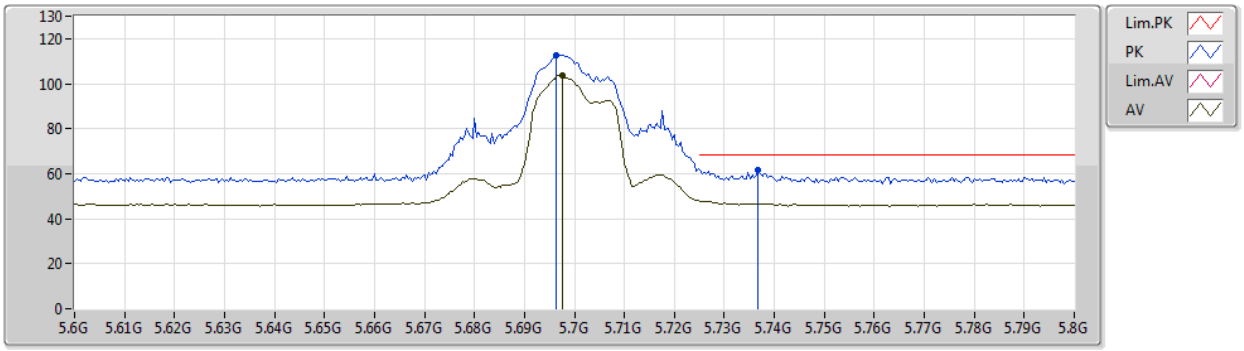


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.15532G	44.83	54.00	-9.17	15.59	3	Horizontal	304	1.91	-	29.24	39.94	10.03	34.38
AV	16.73628G	53.67	54.00	-0.33	16.82	3	Horizontal	223	1.49	-	36.85	39.06	11.95	34.19
PK	11.15652G	58.39	74.00	-15.61	15.59	3	Horizontal	304	1.91	-	42.80	39.94	10.03	34.38
PK	16.73766G	68.72	74.00	-5.28	16.83	3	Horizontal	223	1.49	-	51.89	39.07	11.95	34.19

802.11ac VHT20_Nss4,(MCS0)_4TX

5700MHz_TX

06/03/2019

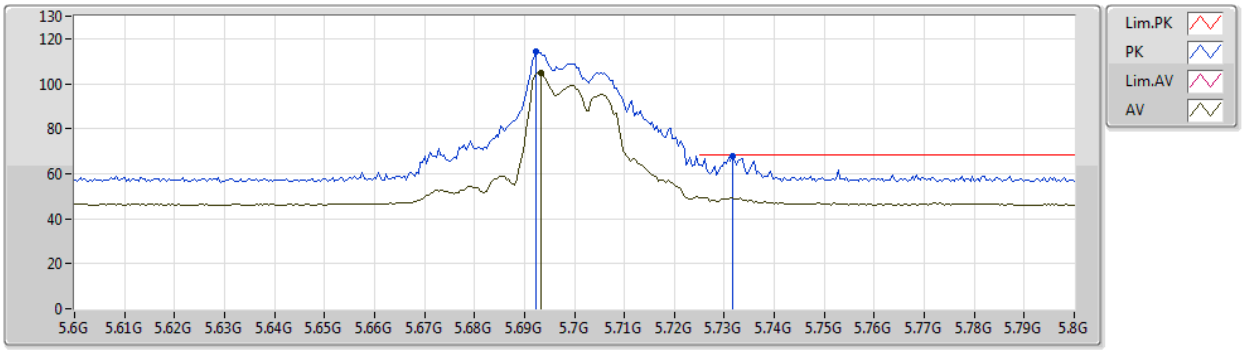


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.6976G	103.55	Inf	-Inf	5.02	3	Vertical	10	2.82	-	98.53	32.08	7.39	34.45
PK	5.6964G	112.83	Inf	-Inf	5.01	3	Vertical	10	2.82	-	107.82	32.07	7.39	34.45
PK	5.7368G	61.88	68.20	-6.32	5.11	3	Vertical	10	2.82	-	56.77	32.13	7.44	34.46

802.11ac VHT20_Nss4,(MCS0)_4TX

5700MHz_TX

06/03/2019

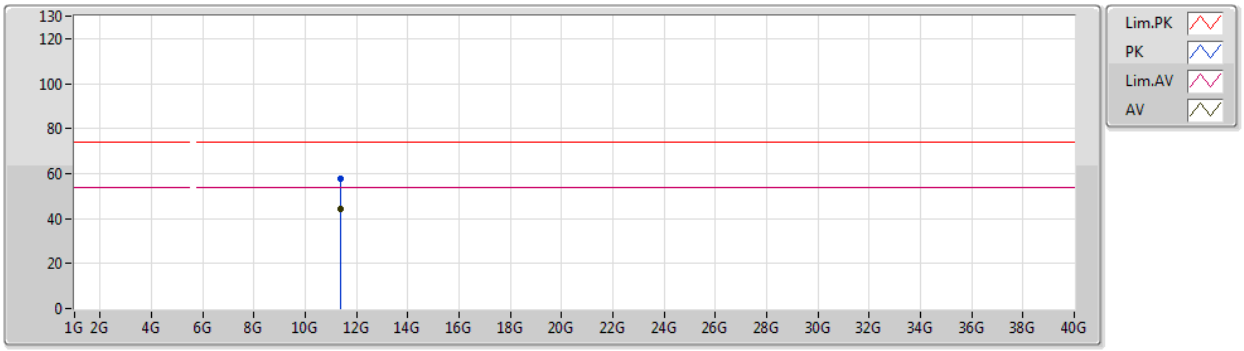


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.6932G	104.98	Inf	-Inf	5.00	3	Horizontal	337	2.91	-	99.98	32.07	7.38	34.45
PK	5.6924G	114.05	Inf	-Inf	5.00	3	Horizontal	337	2.91	-	109.05	32.07	7.38	34.45
PK	5.7316G	68.05	68.20	-0.15	5.09	3	Horizontal	337	2.91	-	62.96	32.12	7.43	34.46

802.11ac VHT20_Nss4,(MCS0)_4TX

5700MHz_TX

06/03/2019

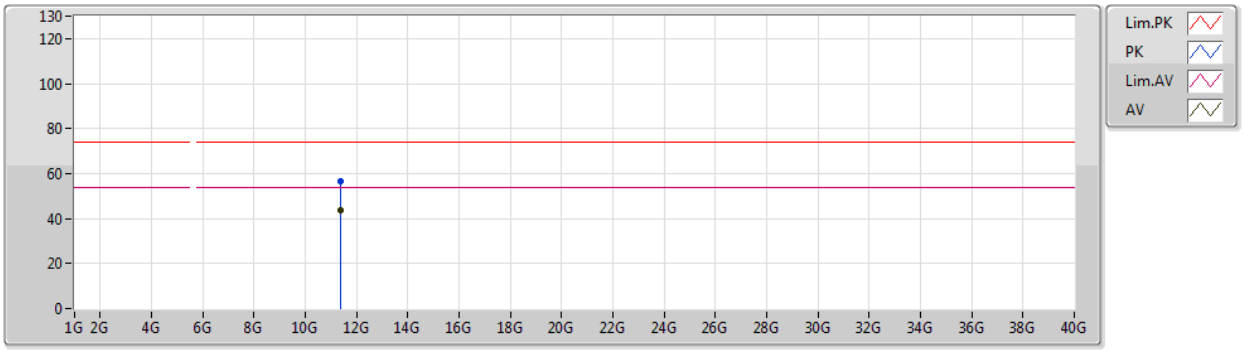


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.40012G	44.32	54.00	-9.68	15.55	3	Vertical	0	1.18	-	28.77	39.84	10.10	34.39
PK	11.40122G	57.56	74.00	-16.44	15.55	3	Vertical	0	1.18	-	42.01	39.84	10.10	34.39

802.11ac VHT20_Nss4,(MCS0)_4TX

5700MHz_TX

06/03/2019

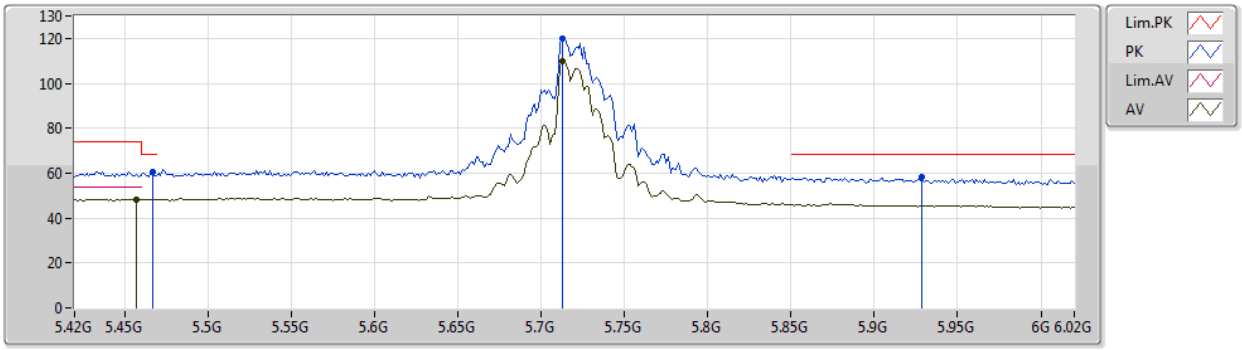


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.39506G	43.91	54.00	-10.09	15.55	3	Horizontal	297	1.44	-	28.36	39.84	10.10	34.39
PK	11.39816G	56.67	74.00	-17.33	15.55	3	Horizontal	297	1.44	-	41.12	39.84	10.10	34.39

802.11ac VHT20_Nss4,(MCS0)_4TX

5720MHz Straddle 5.47-5.725GHz_TX

06/03/2019

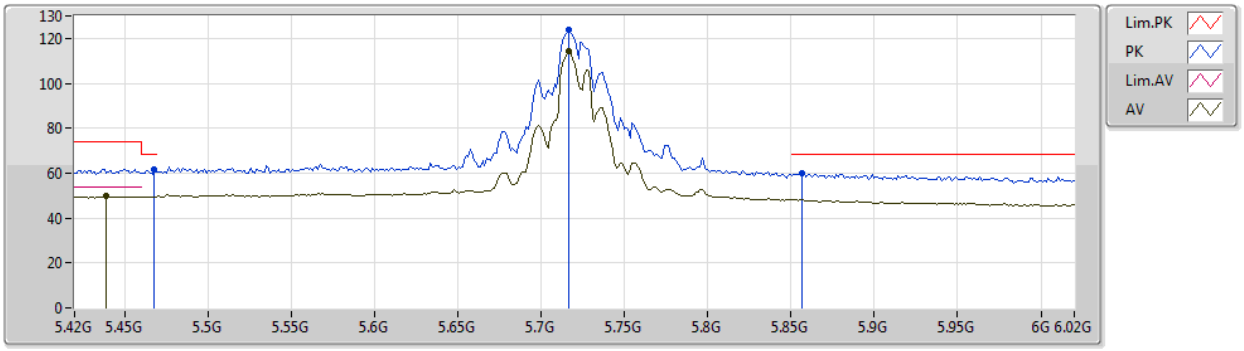


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4572G	48.45	54.00	-5.55	4.52	3	Vertical	40	1.01	-	43.93	31.77	7.16	34.41
AV	5.7128G	110.08	Inf	-Inf	5.05	3	Vertical	40	1.01	-	105.03	32.10	7.41	34.46
PK	5.4668G	60.74	68.20	-7.46	4.54	3	Vertical	40	1.01	-	56.20	31.78	7.17	34.41
PK	5.7128G	120.12	Inf	-Inf	5.05	3	Vertical	40	1.01	-	115.07	32.10	7.41	34.46
PK	5.9288G	58.32	68.20	-9.88	5.39	3	Vertical	40	1.01	-	52.93	32.40	7.49	34.50

802.11ac VHT20_Nss4,(MCS0)_4TX

5720MHz Straddle 5.47-5.725GHz_TX

06/03/2019

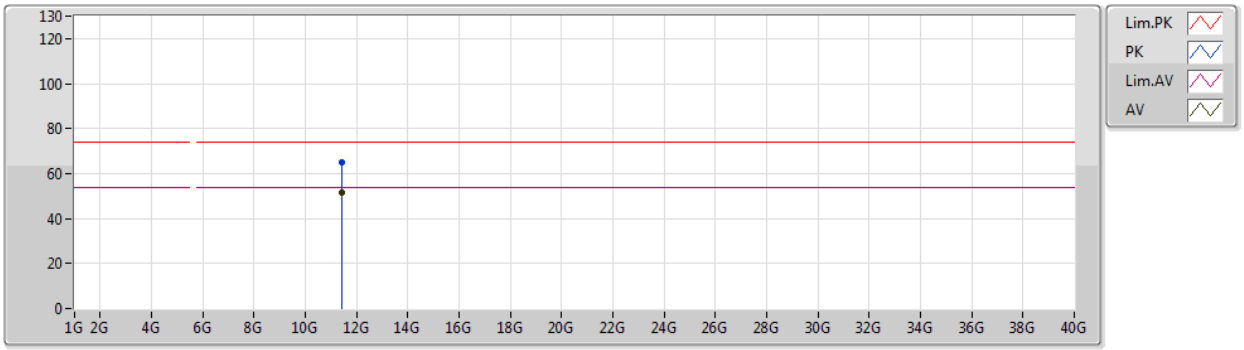


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4392G	49.60	54.00	-4.40	4.50	3	Horizontal	328	1.47	-	45.10	31.76	7.15	34.41
AV	5.7164G	114.17	Inf	-Inf	5.05	3	Horizontal	328	1.47	-	109.12	32.10	7.41	34.46
PK	5.468G	61.81	68.20	-6.39	4.54	3	Horizontal	328	1.47	-	57.27	31.78	7.17	34.41
PK	5.7164G	123.59	Inf	-Inf	5.05	3	Horizontal	328	1.47	-	118.54	32.10	7.41	34.46
PK	5.8568G	59.91	68.20	-8.29	5.32	3	Horizontal	328	1.47	-	54.59	32.30	7.51	34.49

802.11ac VHT20_Nss4,(MCS0)_4TX

5720MHz_TX

06/03/2019

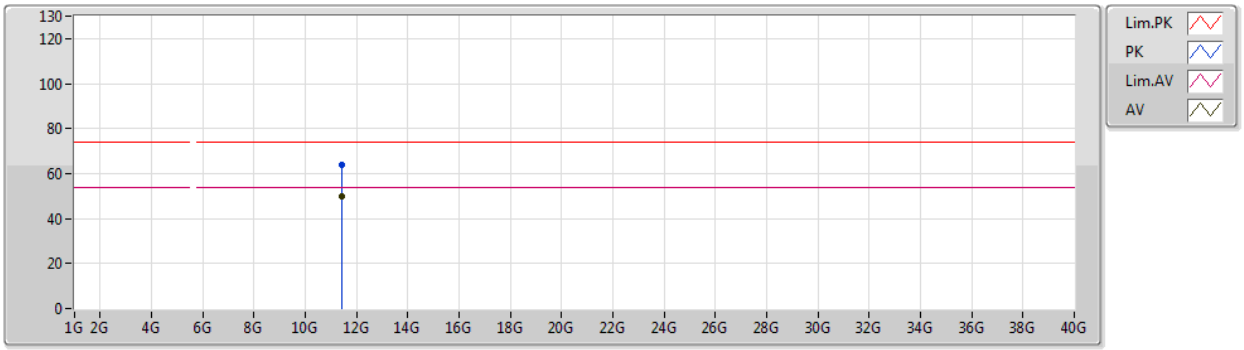


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.4406G	51.76	54.00	-2.24	15.55	3	Vertical	1	1.14	-	36.21	39.82	10.12	34.39
PK	11.4397G	65.20	74.00	-8.80	15.55	3	Vertical	1	1.14	-	49.65	39.82	10.12	34.39

802.11ac VHT20_Nss4,(MCS0)_4TX

5720MHz_TX

06/03/2019

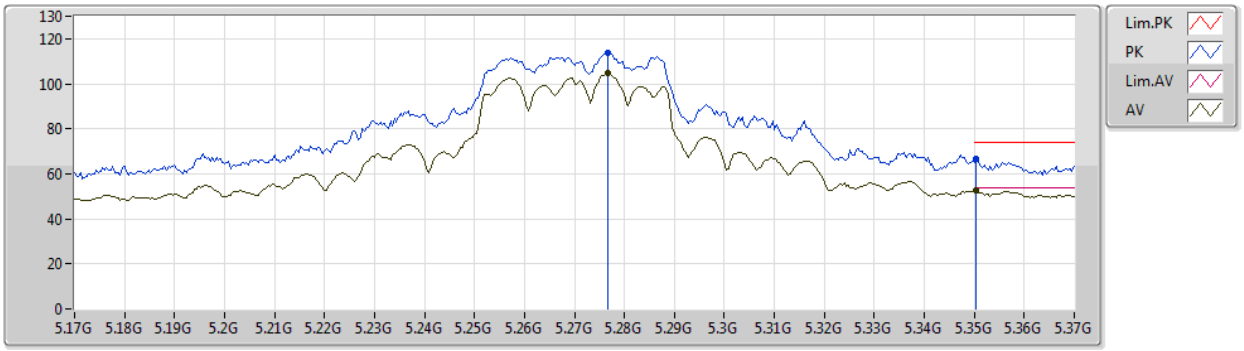


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.44384G	50.09	54.00	-3.91	15.55	3	Horizontal	157	1.64	-	34.54	39.82	10.12	34.39
PK	11.44408G	63.98	74.00	-10.02	15.55	3	Horizontal	157	1.64	-	48.43	39.82	10.12	34.39

802.11ac VHT40_Nss4,(MCS0)_4TX

5270MHz_TX

06/03/2019

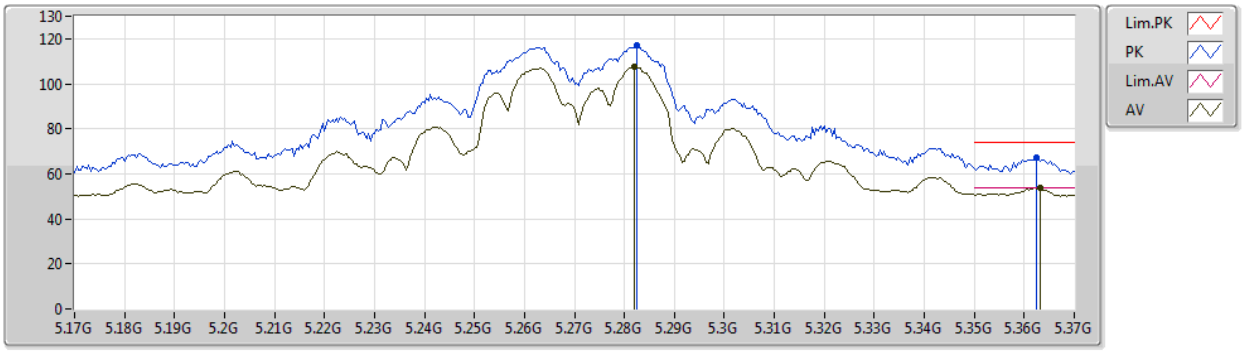


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.2768G	104.53	Inf	-Inf	4.30	3	Vertical	280	2.99	-	100.23	31.67	7.05	34.42
AV	5.3504G	52.53	54.00	-1.47	4.38	3	Vertical	280	2.99	-	48.15	31.71	7.09	34.42
PK	5.2768G	113.61	Inf	-Inf	4.30	3	Vertical	280	2.99	-	109.31	31.67	7.05	34.42
PK	5.3504G	66.89	74.00	-7.11	4.38	3	Vertical	280	2.99	-	62.51	31.71	7.09	34.42

802.11ac VHT40_Nss4,(MCS0)_4TX

5270MHz_TX

06/03/2019

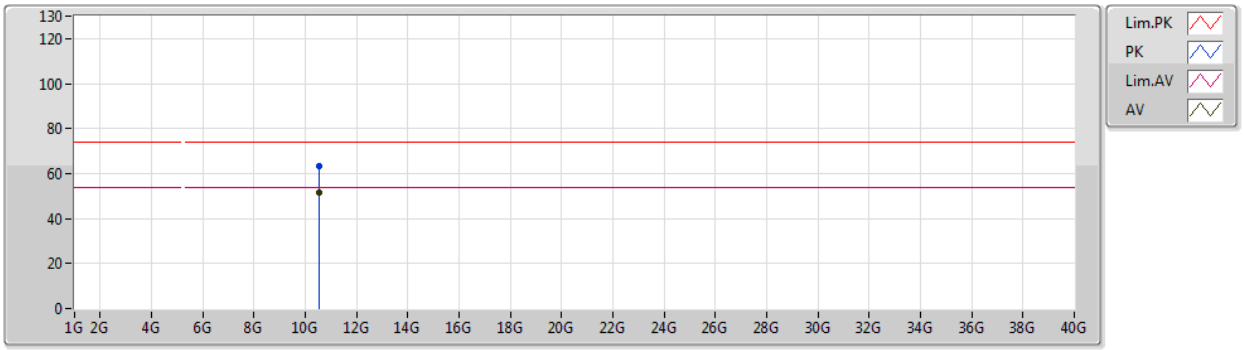


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.282G	107.74	Inf	-Inf	4.31	3	Horizontal	327	2.92	-	103.43	31.67	7.06	34.42
AV	5.3632G	53.92	54.00	-0.08	4.40	3	Horizontal	327	2.92	-	49.52	31.72	7.10	34.42
PK	5.2824G	117.04	Inf	-Inf	4.31	3	Horizontal	327	2.92	-	112.73	31.67	7.06	34.42
PK	5.3624G	67.13	74.00	-6.87	4.40	3	Horizontal	327	2.92	-	62.73	31.72	7.10	34.42

802.11ac VHT40_Nss4,(MCS0)_4TX

5270MHz_TX

06/03/2019

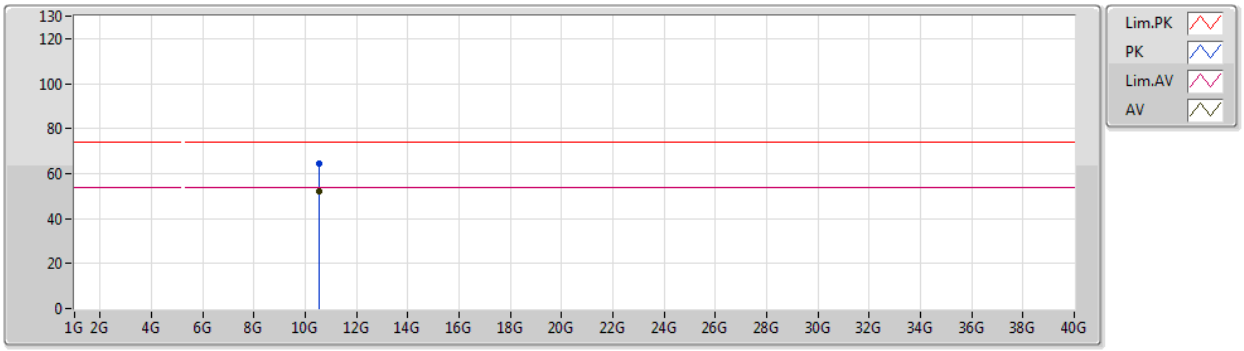


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.54792G	51.42	54.00	-2.58	14.85	3	Vertical	312	1.06	-	36.57	39.73	9.84	34.72
PK	10.5472G	63.21	74.00	-10.79	14.85	3	Vertical	312	1.06	-	48.36	39.73	9.84	34.72

802.11ac VHT40_Nss4,(MCS0)_4TX

5270MHz_TX

06/03/2019

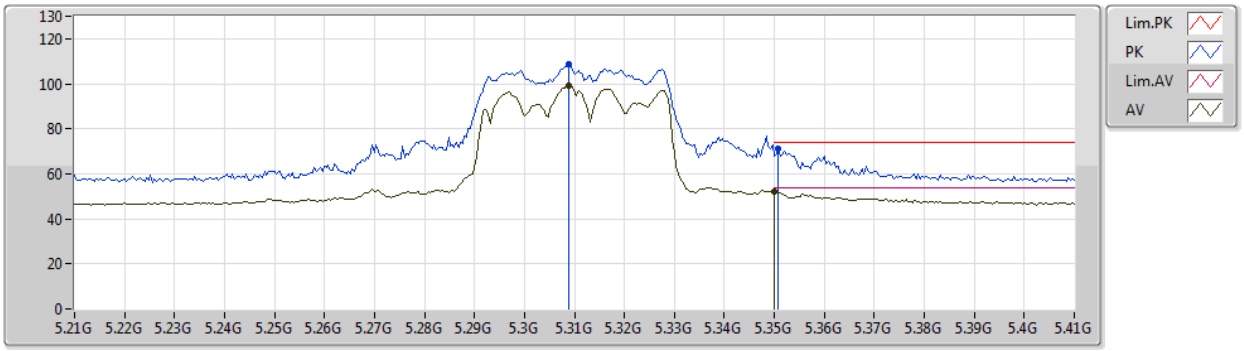


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.5403G	52.27	54.00	-1.73	14.83	3	Horizontal	291	2.97	-	37.44	39.72	9.84	34.73
PK	10.54198G	64.31	74.00	-9.69	14.84	3	Horizontal	291	2.97	-	49.47	39.73	9.84	34.73

802.11ac VHT40_Nss4,(MCS0)_4TX

06/03/2019

5310MHz_TX

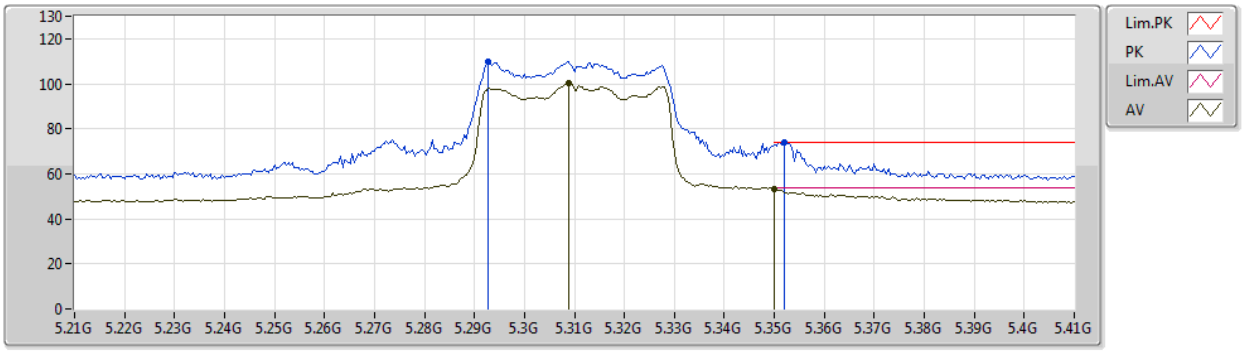


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3088G	99.24	Inf	-Inf	4.34	3	Vertical	305	2.99	-	94.90	31.69	7.07	34.42
AV	5.35G	52.14	54.00	-1.86	4.38	3	Vertical	305	2.99	-	47.76	31.71	7.09	34.42
PK	5.3088G	108.52	Inf	-Inf	4.34	3	Vertical	305	2.99	-	104.18	31.69	7.07	34.42
PK	5.3508G	71.37	74.00	-2.63	4.38	3	Vertical	305	2.99	-	66.99	31.71	7.09	34.42

802.11ac VHT40_Nss4,(MCS0)_4TX

06/03/2019

5310MHz_TX

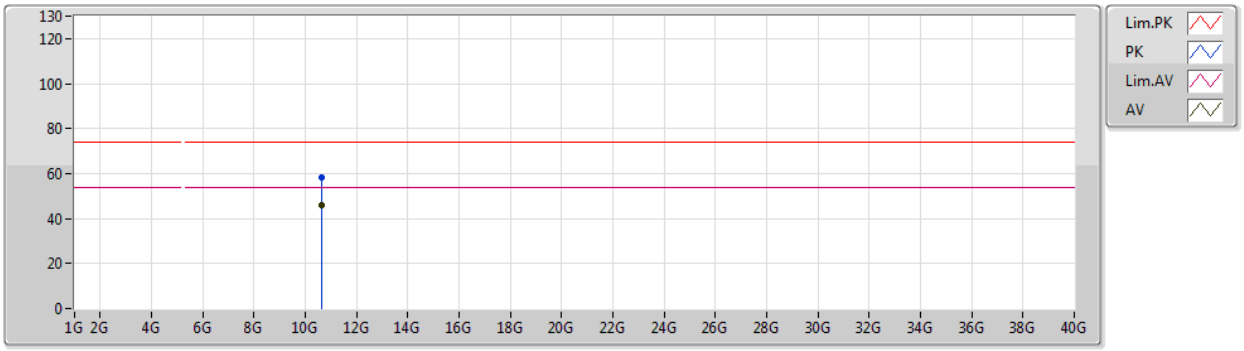


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3088G	100.55	Inf	-Inf	4.34	3	Horizontal	322	2.99	-	96.21	31.69	7.07	34.42
AV	5.35G	53.21	54.00	-0.79	4.38	3	Horizontal	322	2.99	-	48.83	31.71	7.09	34.42
PK	5.2928G	109.97	Inf	-Inf	4.32	3	Horizontal	322	2.99	-	105.65	31.68	7.06	34.42
PK	5.352G	73.76	74.00	-0.24	4.38	3	Horizontal	322	2.99	-	69.38	31.71	7.09	34.42

802.11ac VHT40_Nss4,(MCS0)_4TX

5310MHz_TX

06/03/2019

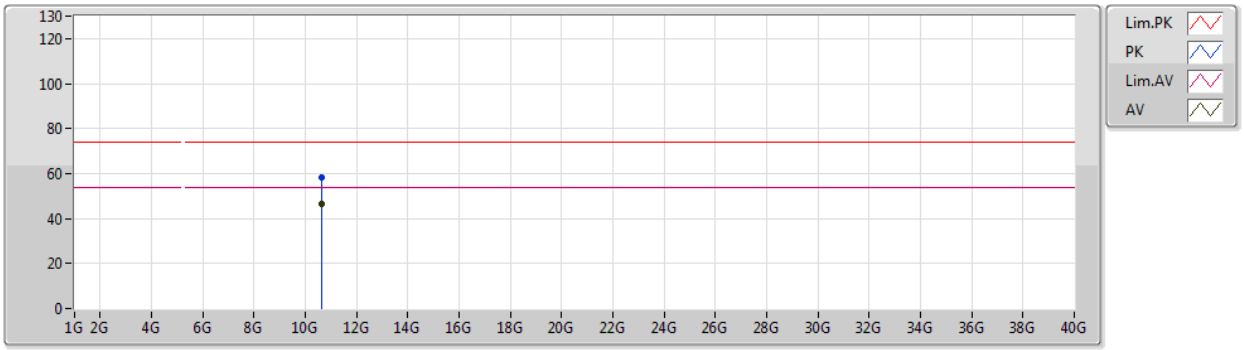


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.62066G	46.06	54.00	-7.94	14.96	3	Vertical	360	1.18	-	31.10	39.77	9.86	34.67
PK	10.62198G	58.12	74.00	-15.88	14.97	3	Vertical	360	1.18	-	43.15	39.77	9.86	34.66

802.11ac VHT40_Nss4,(MCS0)_4TX

5310MHz_TX

06/03/2019

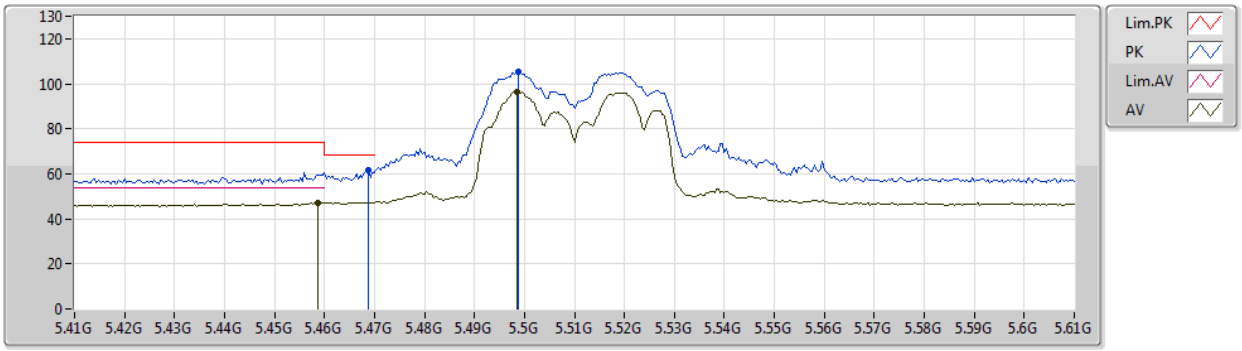


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.61988G	46.24	54.00	-7.76	14.96	3	Horizontal	321	1.50	-	31.28	39.77	9.86	34.67
PK	10.61826G	58.51	74.00	-15.49	14.96	3	Horizontal	321	1.50	-	43.55	39.77	9.86	34.67

802.11ac VHT40_Nss4,(MCS0)_4TX

06/03/2019

5510MHz_TX

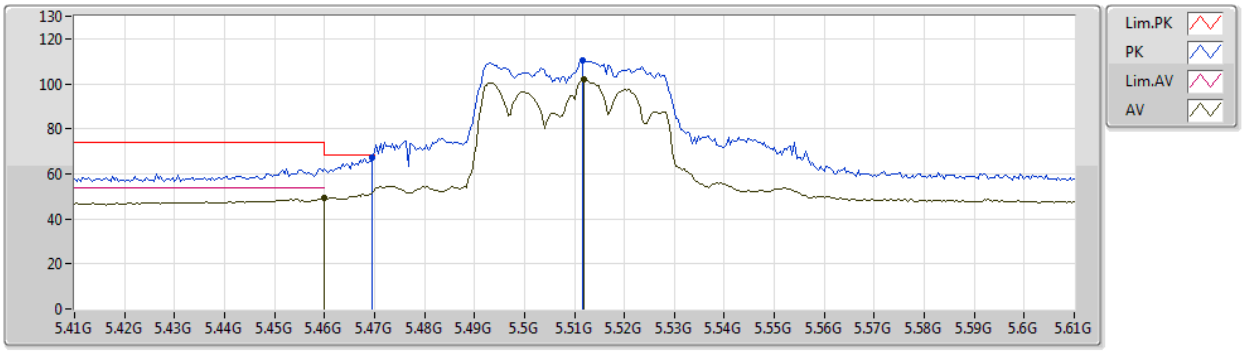


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4588G	47.34	54.00	-6.66	4.53	3	Vertical	330	1.50	-	42.81	31.78	7.16	34.41
AV	5.4984G	96.35	Inf	-Inf	4.58	3	Vertical	330	1.50	-	91.77	31.80	7.19	34.41
PK	5.4688G	61.47	68.20	-6.73	4.54	3	Vertical	330	1.50	-	56.93	31.78	7.17	34.41
PK	5.4988G	105.54	Inf	-Inf	4.58	3	Vertical	330	1.50	-	100.96	31.80	7.19	34.41

802.11ac VHT40_Nss4,(MCS0)_4TX

5510MHz_TX

06/03/2019

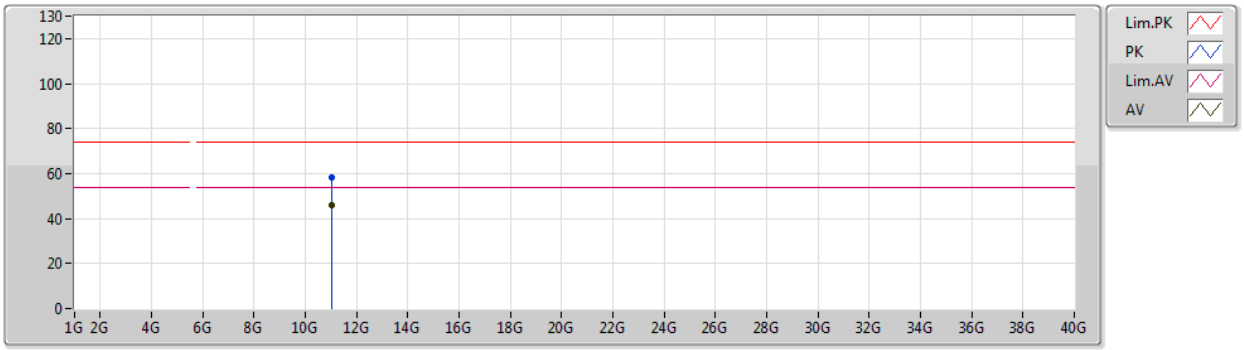


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.46G	49.48	54.00	-4.52	4.53	3	Horizontal	347	1.32	-	44.95	31.78	7.16	34.41
AV	5.512G	101.84	Inf	-Inf	4.61	3	Horizontal	347	1.32	-	97.23	31.82	7.20	34.41
PK	5.4696G	67.40	68.20	-0.80	4.54	3	Horizontal	347	1.32	-	62.86	31.78	7.17	34.41
PK	5.5116G	110.35	Inf	-Inf	4.61	3	Horizontal	347	1.32	-	105.74	31.82	7.20	34.41

802.11ac VHT40_Nss4,(MCS0)_4TX

5510MHz_TX

06/03/2019

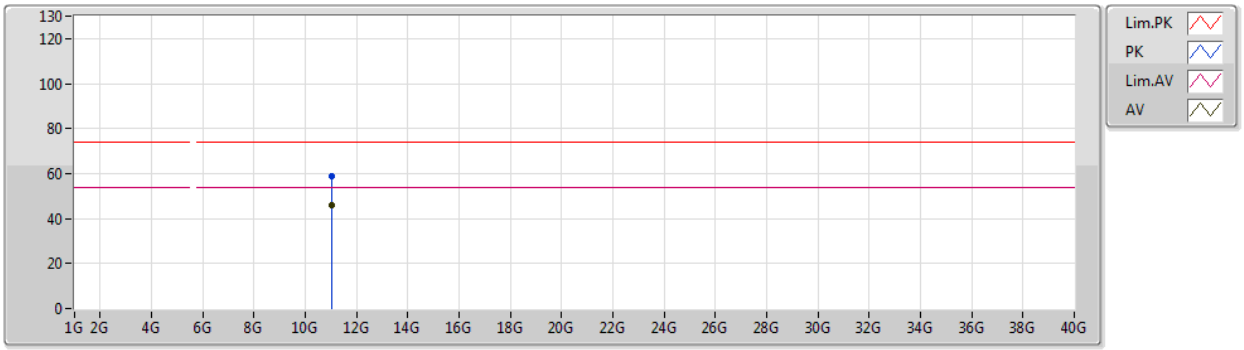


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.0182G	45.67	54.00	-8.33	15.61	3	Vertical	284	1.50	-	30.06	39.99	9.99	34.37
PK	11.02762G	58.23	74.00	-15.77	15.61	3	Vertical	284	1.50	-	42.62	39.99	9.99	34.37

802.11ac VHT40_Nss4,(MCS0)_4TX

5510MHz_TX

06/03/2019

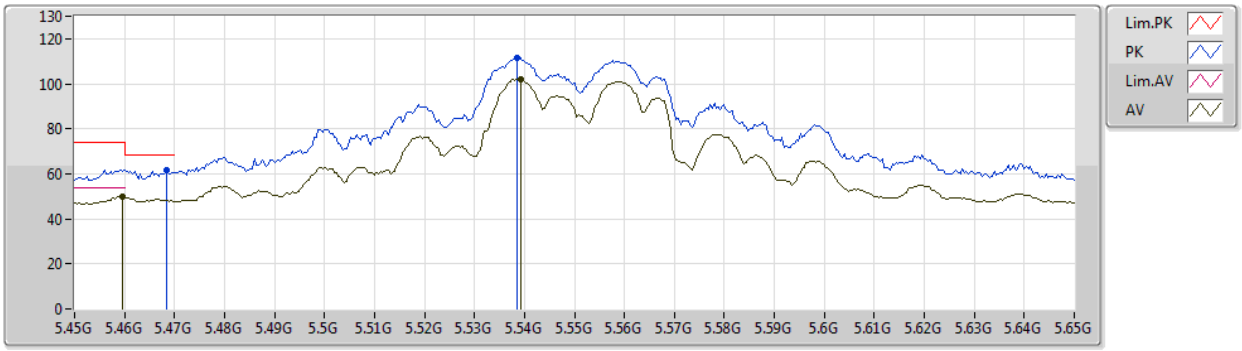


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.0233G	45.70	54.00	-8.30	15.61	3	Horizontal	205	1.50	-	30.09	39.99	9.99	34.37
PK	11.02018G	58.82	74.00	-15.18	15.61	3	Horizontal	205	1.50	-	43.21	39.99	9.99	34.37

802.11ac VHT40_Nss4,(MCS0)_4TX

06/03/2019

5550MHz_TX

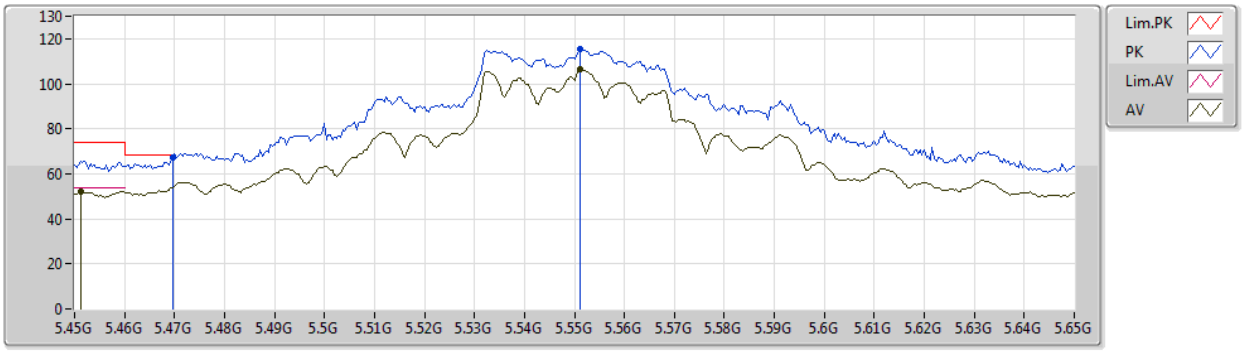


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4596G	49.67	54.00	-4.33	4.53	3	Vertical	37	1.33	-	45.14	31.78	7.16	34.41
AV	5.5392G	102.25	Inf	-Inf	4.65	3	Vertical	37	1.33	-	97.60	31.85	7.22	34.42
PK	5.4684G	61.65	68.20	-6.55	4.54	3	Vertical	37	1.33	-	57.11	31.78	7.17	34.41
PK	5.5384G	111.57	Inf	-Inf	4.65	3	Vertical	37	1.33	-	106.92	31.85	7.22	34.42

802.11ac VHT40_Nss4,(MCS0)_4TX

06/03/2019

5550MHz_TX

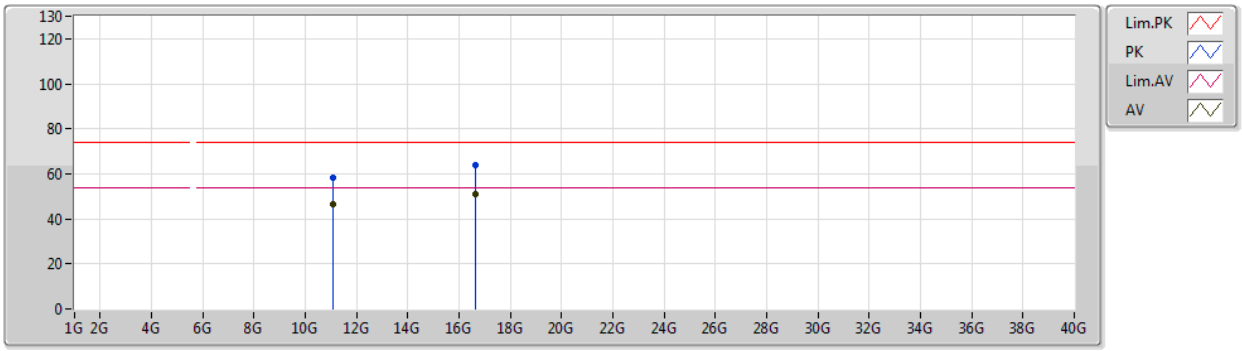


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4512G	51.97	54.00	-2.03	4.52	3	Horizontal	344	1.02	-	47.45	31.77	7.16	34.41
AV	5.5512G	106.68	Inf	-Inf	4.68	3	Horizontal	344	1.02	-	102.00	31.87	7.23	34.42
PK	5.4696G	67.22	68.20	-0.98	4.54	3	Horizontal	344	1.02	-	62.68	31.78	7.17	34.41
PK	5.5512G	115.54	Inf	-Inf	4.68	3	Horizontal	344	1.02	-	110.86	31.87	7.23	34.42

802.11ac VHT40_Nss4,(MCS0)_4TX

5550MHz_TX

06/03/2019

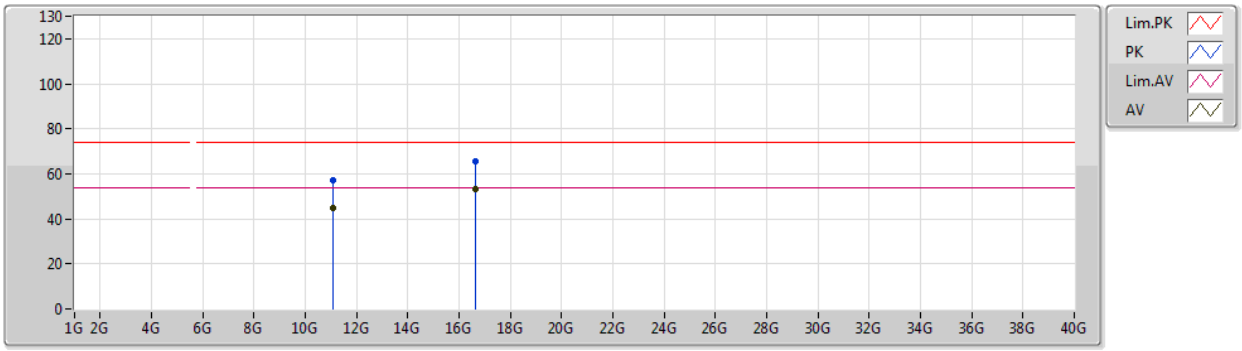


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.10024G	46.34	54.00	-7.66	15.60	3	Vertical	243	2.11	-	30.74	39.96	10.01	34.37
AV	16.64574G	50.78	54.00	-3.22	16.35	3	Vertical	223	1.13	-	34.43	38.81	11.91	34.37
PK	11.10072G	58.43	74.00	-15.57	15.60	3	Vertical	243	2.11	-	42.83	39.96	10.01	34.37
PK	16.63812G	63.72	74.00	-10.28	16.30	3	Vertical	223	1.13	-	47.42	38.79	11.90	34.39

802.11ac VHT40_Nss4,(MCS0)_4TX

06/03/2019

5550MHz_TX

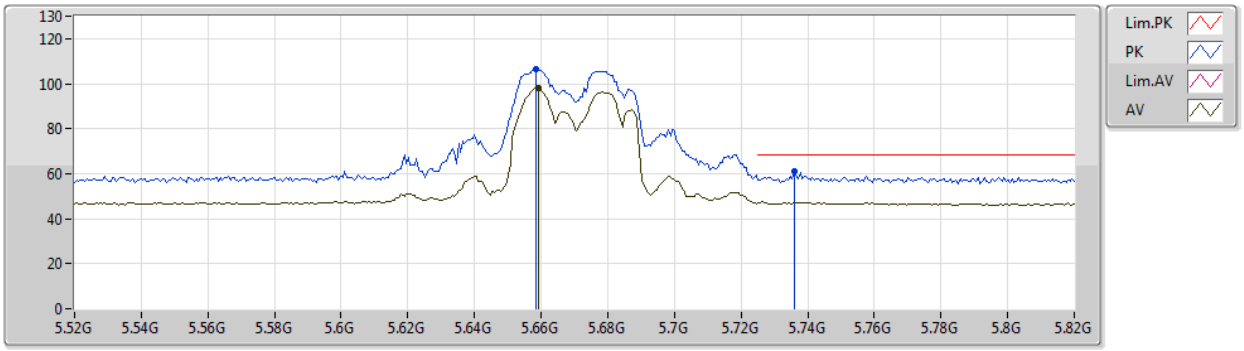


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.09004G	45.05	54.00	-8.95	15.60	3	Horizontal	187	2.85	-	29.45	39.96	10.01	34.37
AV	16.64664G	53.05	54.00	-0.95	16.35	3	Horizontal	223	1.55	-	36.70	38.81	11.91	34.37
PK	11.08662G	57.11	74.00	-16.89	15.61	3	Horizontal	187	2.85	-	41.50	39.97	10.01	34.37
PK	16.6479G	65.70	74.00	-8.30	16.35	3	Horizontal	223	1.55	-	49.35	38.81	11.91	34.37

802.11ac VHT40_Nss4,(MCS0)_4TX

5670MHz_TX

06/03/2019

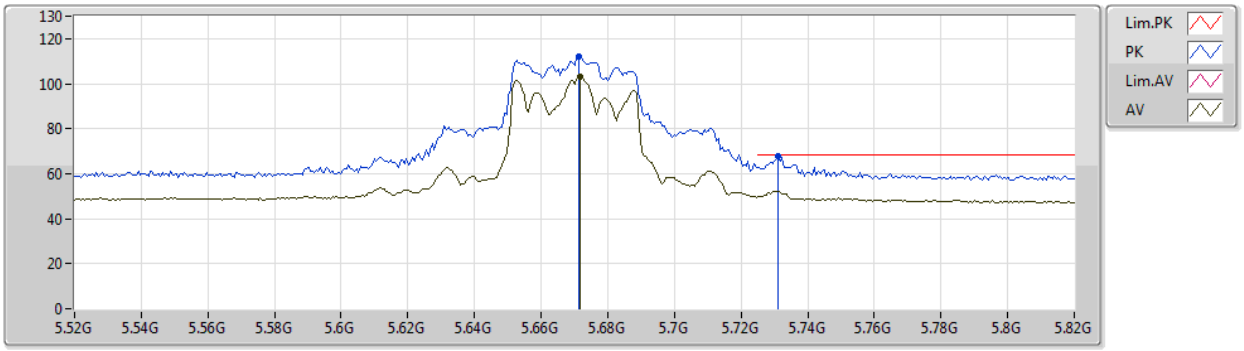


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.6592G	97.93	Inf	-Inf	4.91	3	Vertical	21	1.50	-	93.02	32.02	7.34	34.45
PK	5.6586G	106.72	Inf	-Inf	4.92	3	Vertical	21	1.50	-	101.80	32.02	7.34	34.44
PK	5.736G	60.93	68.20	-7.27	5.11	3	Vertical	21	1.50	-	55.82	32.13	7.44	34.46

802.11ac VHT40_Nss4,(MCS0)_4TX

5670MHz_TX

06/03/2019

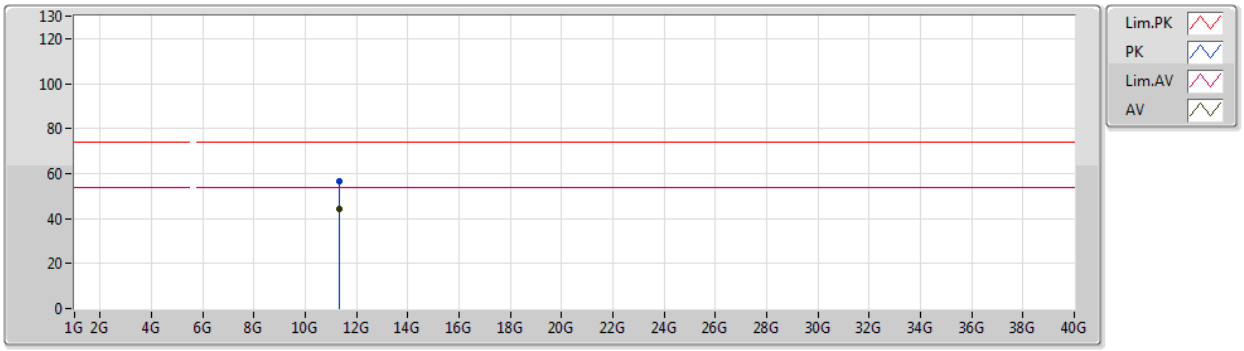


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.6718G	102.99	Inf	-Inf	4.94	3	Horizontal	338	1.00	-	98.05	32.04	7.35	34.45
PK	5.6712G	112.00	Inf	-Inf	4.94	3	Horizontal	338	1.00	-	107.06	32.04	7.35	34.45
PK	5.7312G	67.73	68.20	-0.47	5.09	3	Horizontal	338	1.00	-	62.64	32.12	7.43	34.46

802.11ac VHT40_Nss4,(MCS0)_4TX

5670MHz_TX

06/03/2019

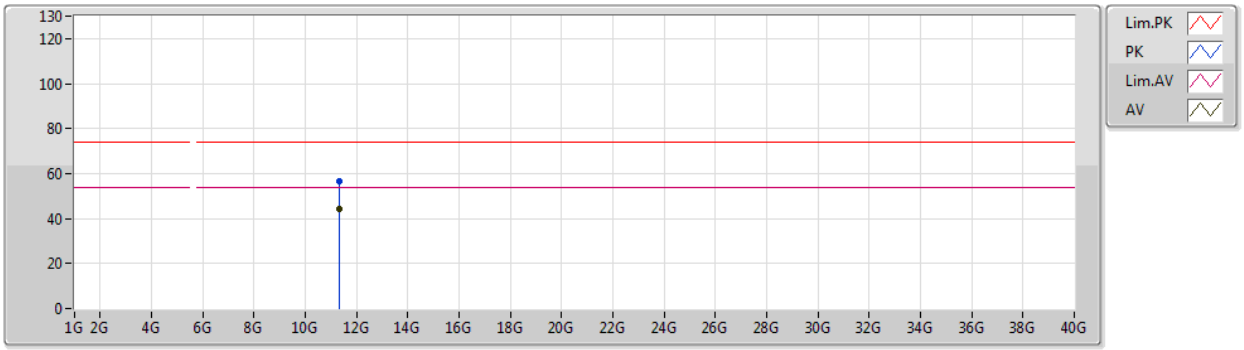


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.34324G	44.29	54.00	-9.71	15.57	3	Vertical	345	1.50	-	28.72	39.86	10.09	34.38
PK	11.3289G	56.54	74.00	-17.46	15.57	3	Vertical	345	1.50	-	40.97	39.87	10.08	34.38

802.11ac VHT40_Nss4,(MCS0)_4TX

5670MHz_TX

06/03/2019

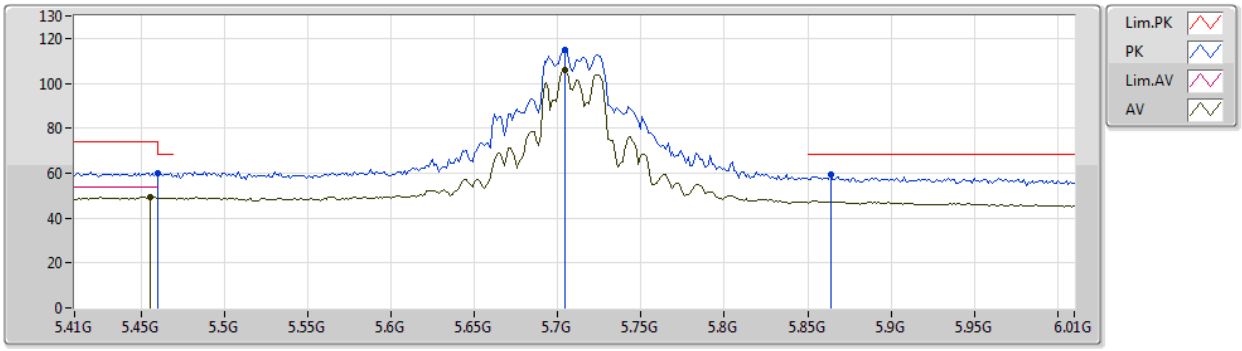


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.33172G	44.22	54.00	-9.78	15.57	3	Horizontal	208	1.50	-	28.65	39.87	10.08	34.38
PK	11.34822G	56.79	74.00	-17.21	15.57	3	Horizontal	208	1.50	-	41.22	39.86	10.09	34.38

802.11ac VHT40_Nss4,(MCS0)_4TX

5710MHz Straddle 5.47-5.725GHz_TX

06/03/2019

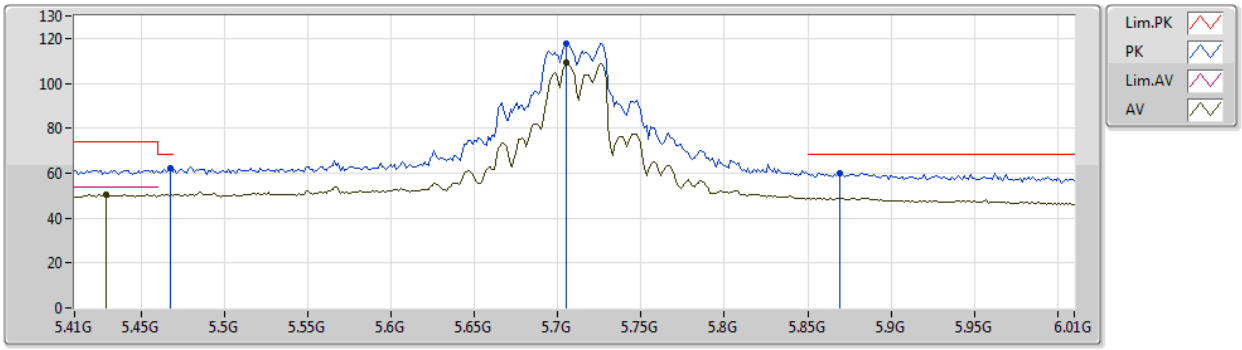


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4556G	49.53	54.00	-4.47	4.52	3	Vertical	33	1.08	-	45.01	31.77	7.16	34.41
AV	5.704G	105.94	Inf	-Inf	5.04	3	Vertical	33	1.08	-	100.90	32.09	7.40	34.45
PK	5.46G	59.83	74.00	-14.17	4.53	3	Vertical	33	1.08	-	55.30	31.78	7.16	34.41
PK	5.704G	114.91	Inf	-Inf	5.04	3	Vertical	33	1.08	-	109.87	32.09	7.40	34.45
PK	5.8636G	59.13	68.20	-9.07	5.33	3	Vertical	33	1.08	-	53.80	32.31	7.51	34.49

802.11ac VHT40_Nss4,(MCS0)_4TX

5710MHz Straddle 5.47-5.725GHz_TX

06/03/2019

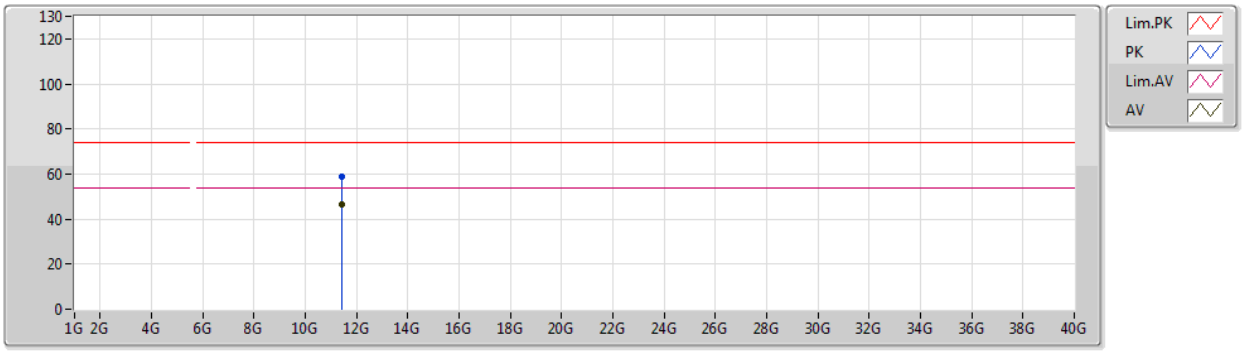


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4292G	50.71	54.00	-3.29	4.49	3	Horizontal	334	1.29	-	46.22	31.76	7.14	34.41
AV	5.7052G	109.12	Inf	-Inf	5.03	3	Horizontal	334	1.29	-	104.09	32.09	7.40	34.46
PK	5.4676G	62.34	68.20	-5.86	4.54	3	Horizontal	334	1.29	-	57.80	31.78	7.17	34.41
PK	5.7052G	117.90	Inf	-Inf	5.03	3	Horizontal	334	1.29	-	112.87	32.09	7.40	34.46
PK	5.8696G	60.15	68.20	-8.05	5.34	3	Horizontal	334	1.29	-	54.81	32.32	7.51	34.49

802.11ac VHT40_Nss4,(MCS0)_4TX

5710MHz_TX

06/03/2019

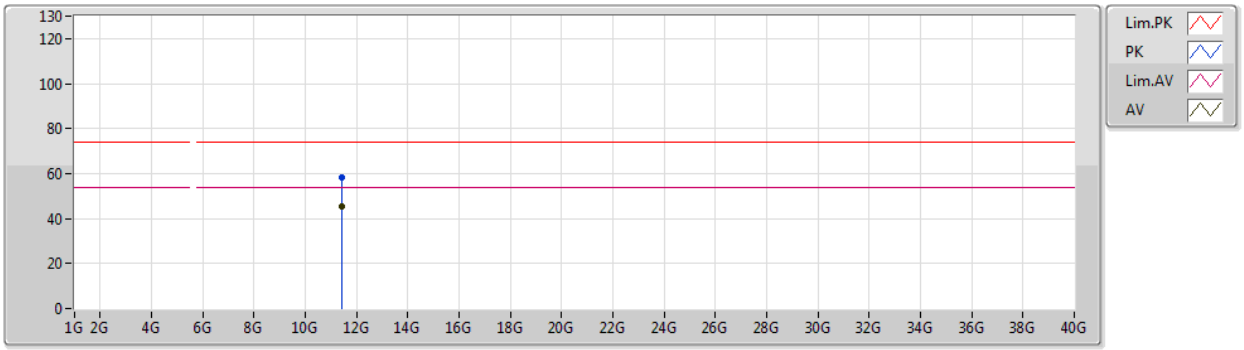


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.42036G	46.24	54.00	-7.76	15.55	3	Vertical	9	1.19	-	30.69	39.83	10.11	34.39
PK	11.42018G	58.94	74.00	-15.06	15.55	3	Vertical	9	1.19	-	43.39	39.83	10.11	34.39

802.11ac VHT40_Nss4,(MCS0)_4TX

5710MHz_TX

06/03/2019

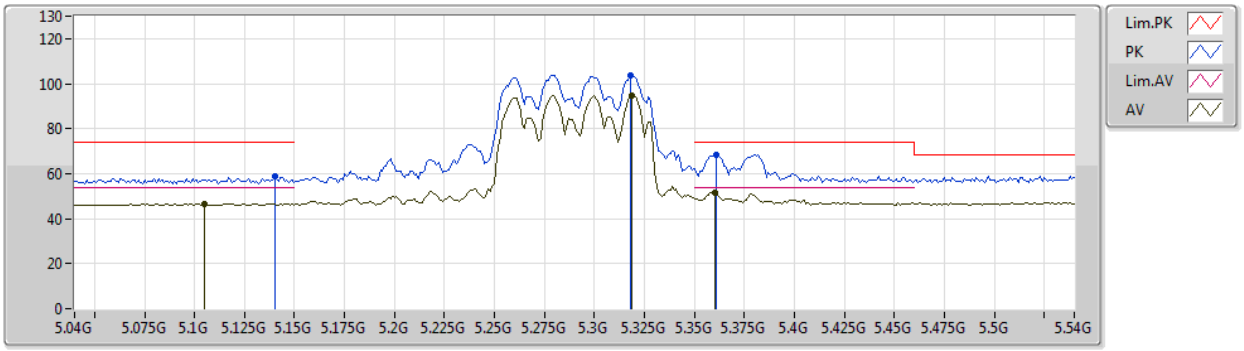


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.42384G	45.28	54.00	-8.72	15.55	3	Horizontal	160	1.70	-	29.73	39.83	10.11	34.39
PK	11.42366G	58.55	74.00	-15.45	15.55	3	Horizontal	160	1.70	-	43.00	39.83	10.11	34.39

802.11ac VHT80_Nss4,(MCS0)_4TX

5290MHz_TX

06/03/2019

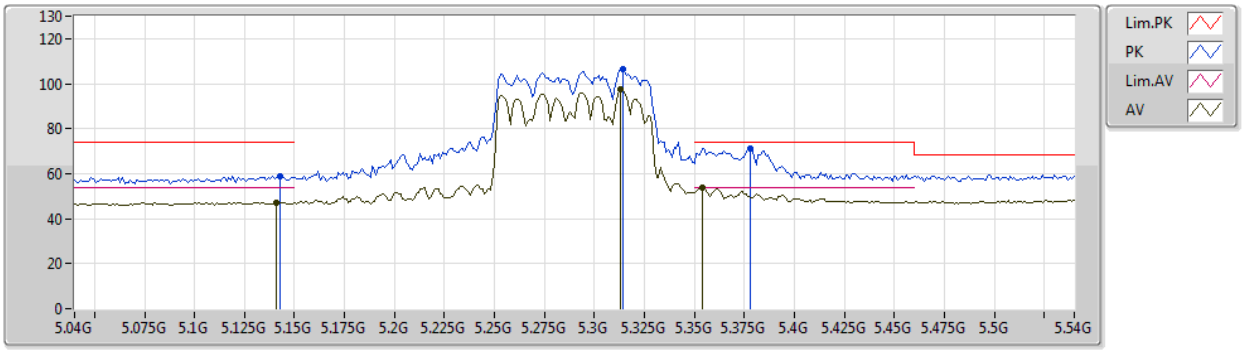


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.105G	46.73	54.00	-7.27	4.07	3	Vertical	345	1.50	-	42.66	31.56	6.94	34.43
AV	5.319G	94.69	Inf	-Inf	4.35	3	Vertical	345	1.50	-	90.34	31.69	7.08	34.42
AV	5.36G	51.58	54.00	-2.42	4.40	3	Vertical	345	1.50	-	47.18	31.72	7.10	34.42
PK	5.14G	58.78	74.00	-15.22	4.12	3	Vertical	345	1.50	-	54.66	31.58	6.96	34.42
PK	5.318G	103.71	Inf	-Inf	4.34	3	Vertical	345	1.50	-	99.37	31.69	7.07	34.42
PK	5.361G	68.57	74.00	-5.43	4.40	3	Vertical	345	1.50	-	64.17	31.72	7.10	34.42

802.11ac VHT80_Nss4,(MCS0)_4TX

5290MHz_TX

06/03/2019

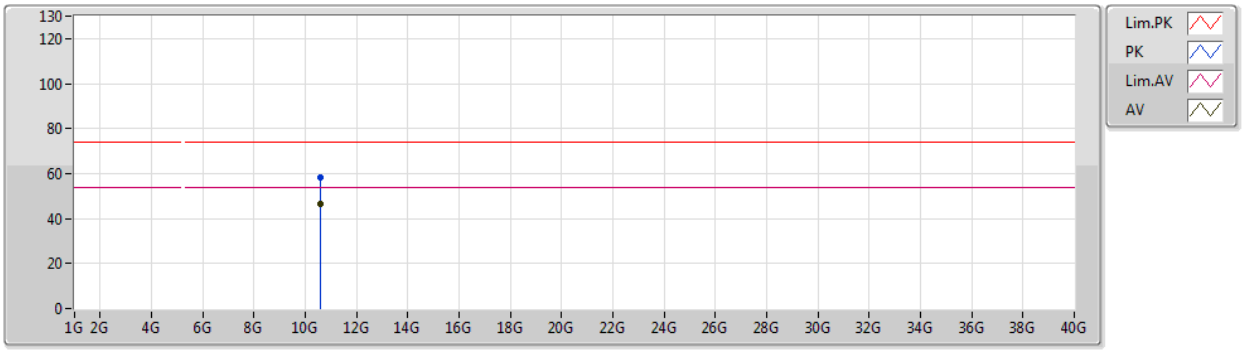


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.141G	47.30	54.00	-6.70	4.13	3	Horizontal	0	1.50	-	43.17	31.58	6.97	34.42
AV	5.313G	97.30	Inf	-Inf	4.34	3	Horizontal	0	1.50	-	92.96	31.69	7.07	34.42
AV	5.354G	53.91	54.00	-0.09	4.38	3	Horizontal	0	1.50	-	49.53	31.71	7.09	34.42
PK	5.143G	58.93	74.00	-15.07	4.14	3	Horizontal	0	1.50	-	54.79	31.59	6.97	34.42
PK	5.314G	106.46	Inf	-Inf	4.34	3	Horizontal	0	1.50	-	102.12	31.69	7.07	34.42
PK	5.378G	71.21	74.00	-2.79	4.43	3	Horizontal	0	1.50	-	66.78	31.73	7.11	34.41

802.11ac VHT80_Nss4,(MCS0)_4TX

5290MHz_TX

06/03/2019

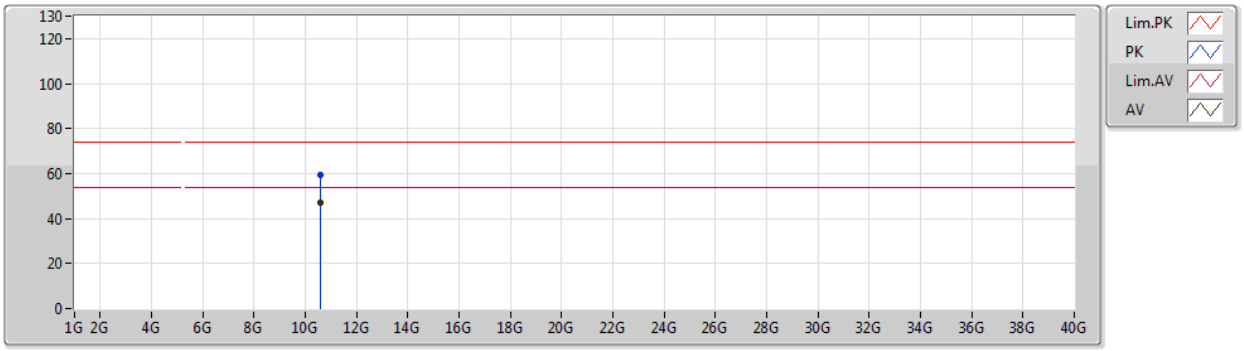


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.58036G	46.71	54.00	-7.29	14.90	3	Vertical	230	1.76	-	31.81	39.75	9.85	34.70
PK	10.57958G	58.47	74.00	-15.53	14.90	3	Vertical	230	1.76	-	43.57	39.75	9.85	34.70

802.11ac VHT80_Nss4,(MCS0)_4TX

5290MHz_TX

06/03/2019

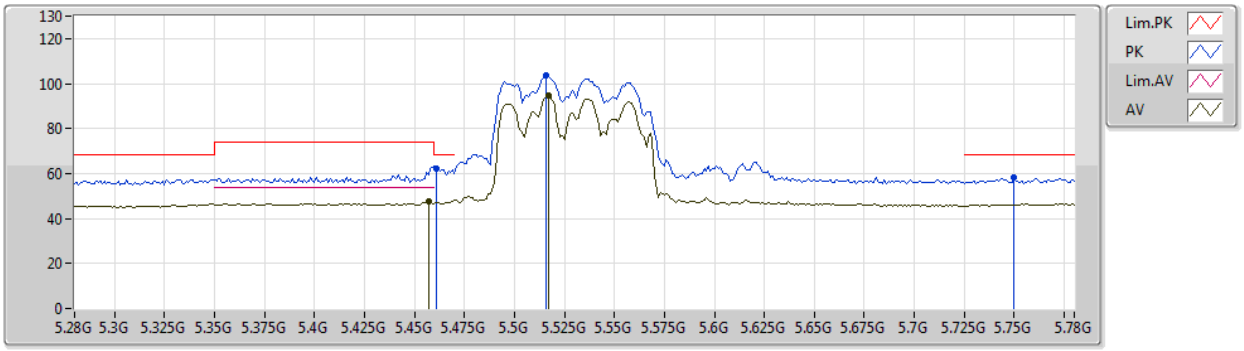


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.5839G	46.94	54.00	-7.06	14.91	3	Horizontal	295	2.39	-	32.03	39.75	9.85	34.69
PK	10.58266G	59.44	74.00	-14.56	14.90	3	Horizontal	295	2.39	-	44.54	39.75	9.85	34.70

802.11ac VHT80_Nss4,(MCS0)_4TX

5530MHz_TX

06/03/2019

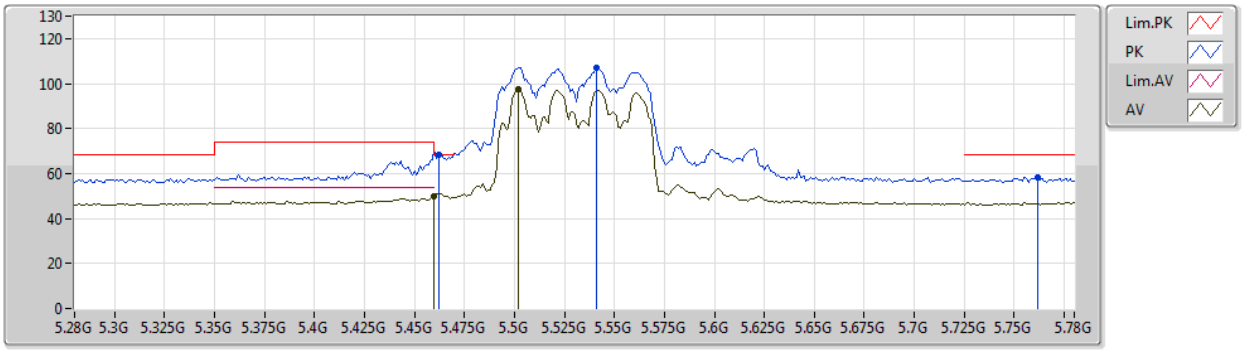


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.457G	47.71	54.00	-6.29	4.52	3	Vertical	109	2.94	-	43.19	31.77	7.16	34.41
AV	5.517G	94.51	Inf	-Inf	4.61	3	Vertical	109	2.94	-	89.90	31.82	7.20	34.41
PK	5.461G	62.05	68.20	-6.15	4.53	3	Vertical	109	2.94	-	57.52	31.78	7.16	34.41
PK	5.516G	103.68	Inf	-Inf	4.61	3	Vertical	109	2.94	-	99.07	31.82	7.20	34.41
PK	5.75G	58.11	68.20	-10.09	5.14	3	Vertical	109	2.94	-	52.97	32.15	7.46	34.47

802.11ac VHT80_Nss4,(MCS0)_4TX

5530MHz_TX

06/03/2019

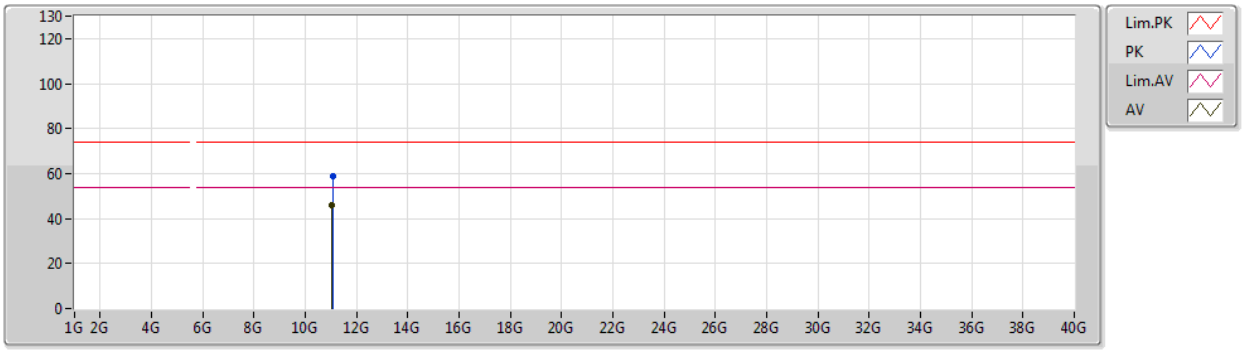


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.46G	49.87	54.00	-4.13	4.53	3	Horizontal	321	2.96	-	45.34	31.78	7.16	34.41
AV	5.502G	97.72	Inf	-Inf	4.58	3	Horizontal	321	2.96	-	93.14	31.80	7.19	34.41
PK	5.462G	68.11	68.20	-0.09	4.53	3	Horizontal	321	2.96	-	63.58	31.78	7.16	34.41
PK	5.541G	107.11	Inf	-Inf	4.66	3	Horizontal	321	2.96	-	102.45	31.86	7.22	34.42
PK	5.762G	58.21	68.20	-9.99	5.17	3	Horizontal	321	2.96	-	53.04	32.17	7.47	34.47

802.11ac VHT80_Nss4,(MCS0)_4TX

5530MHz_TX

06/03/2019

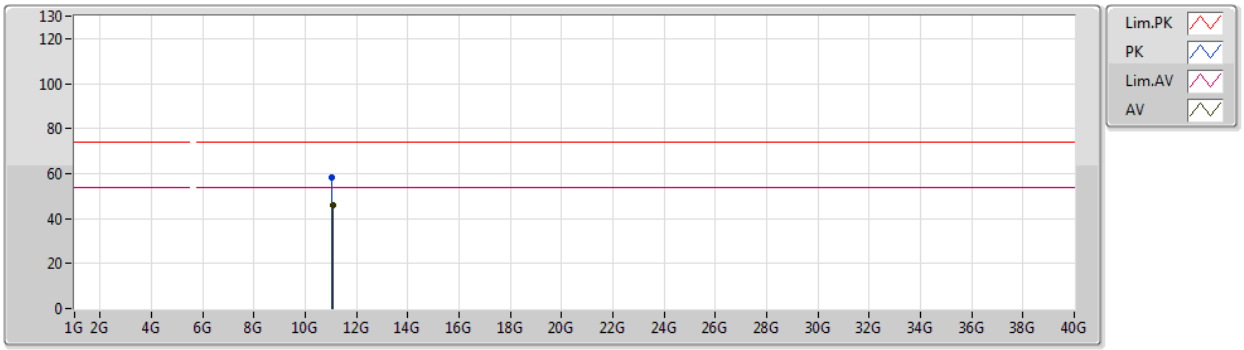


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.04908G	45.72	54.00	-8.28	15.61	3	Vertical	356	1.77	-	30.11	39.98	10.00	34.37
PK	11.07146G	58.57	74.00	-15.43	15.60	3	Vertical	356	1.77	-	42.97	39.97	10.00	34.37

802.11ac VHT80_Nss4,(MCS0)_4TX

5530MHz_TX

06/03/2019

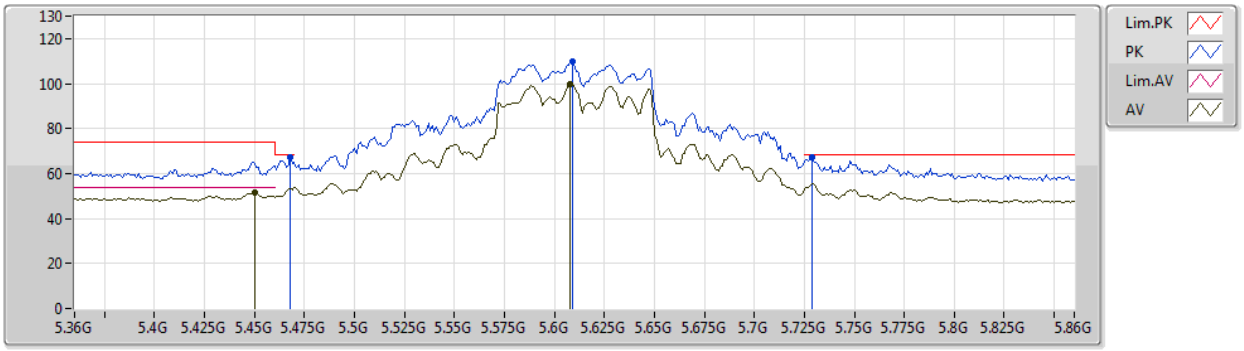


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.05904G	45.79	54.00	-8.21	15.61	3	Horizontal	148	1.95	-	30.18	39.98	10.00	34.37
PK	11.05058G	58.08	74.00	-15.92	15.61	3	Horizontal	148	1.95	-	42.47	39.98	10.00	34.37

802.11ac VHT80_Nss4,(MCS0)_4TX

06/03/2019

5610MHz_TX

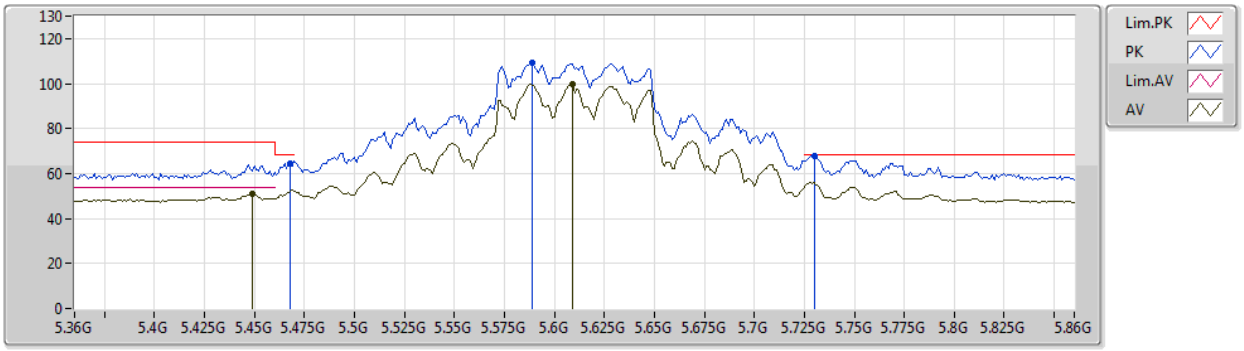


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.45G	51.52	54.00	-2.48	4.52	3	Vertical	28	2.99	-	47.00	31.77	7.16	34.41
AV	5.608G	100.00	Inf	-Inf	4.79	3	Vertical	28	2.99	-	95.21	31.95	7.27	34.43
PK	5.468G	67.44	68.20	-0.76	4.54	3	Vertical	28	2.99	-	62.90	31.78	7.17	34.41
PK	5.609G	109.64	Inf	-Inf	4.79	3	Vertical	28	2.99	-	104.85	31.95	7.27	34.43
PK	5.729G	67.48	68.20	-0.72	5.09	3	Vertical	28	2.99	-	62.39	32.12	7.43	34.46

802.11ac VHT80_Nss4,(MCS0)_4TX

5610MHz_TX

06/03/2019

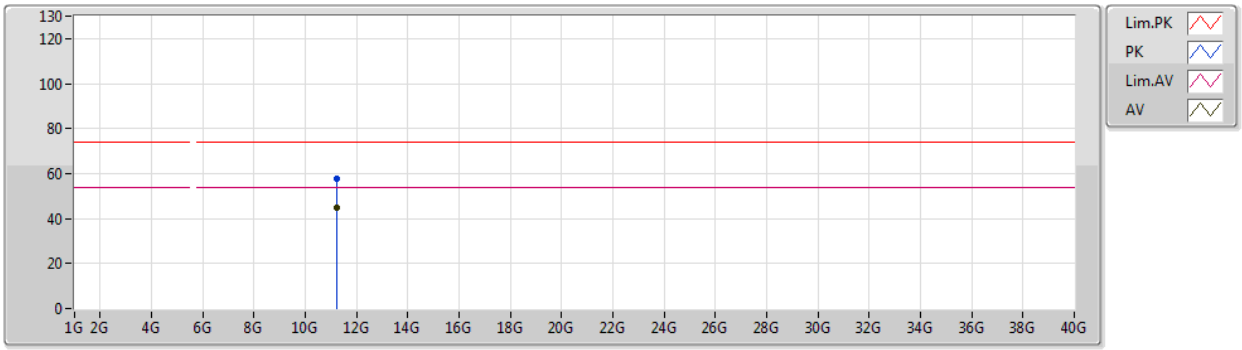


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.449G	50.85	54.00	-3.15	4.51	3	Horizontal	314	1.50	-	46.34	31.77	7.15	34.41
AV	5.609G	99.89	Inf	-Inf	4.79	3	Horizontal	314	1.50	-	95.10	31.95	7.27	34.43
PK	5.468G	64.68	68.20	-3.52	4.54	3	Horizontal	314	1.50	-	60.14	31.78	7.17	34.41
PK	5.589G	109.19	Inf	-Inf	4.74	3	Horizontal	314	1.50	-	104.45	31.92	7.25	34.43
PK	5.73G	68.00	68.20	-0.20	5.09	3	Horizontal	314	1.50	-	62.91	32.12	7.43	34.46

802.11ac VHT80_Nss4,(MCS0)_4TX

5610MHz_TX

06/03/2019

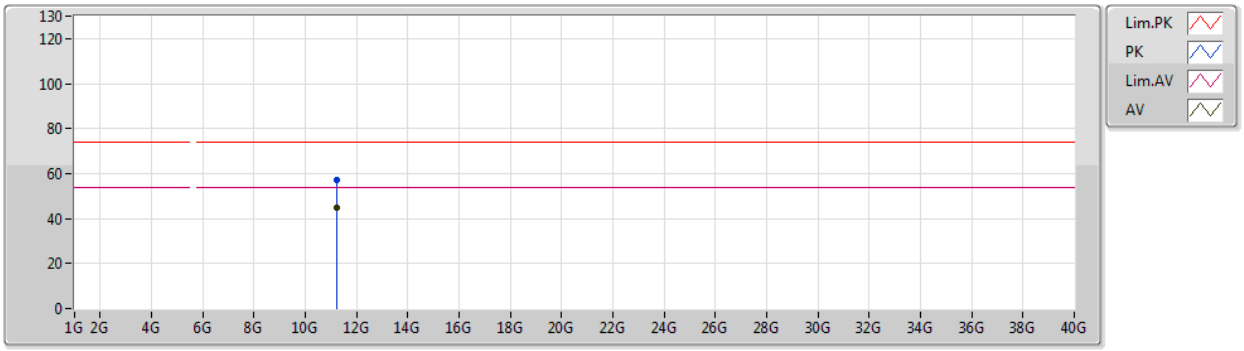


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.205G	44.81	54.00	-9.19	15.58	3	Vertical	86	2.24	-	29.23	39.92	10.04	34.38
PK	11.2245G	57.69	74.00	-16.31	15.58	3	Vertical	86	2.24	-	42.11	39.91	10.05	34.38

802.11ac VHT80_Nss4,(MCS0)_4TX

5610MHz_TX

06/03/2019

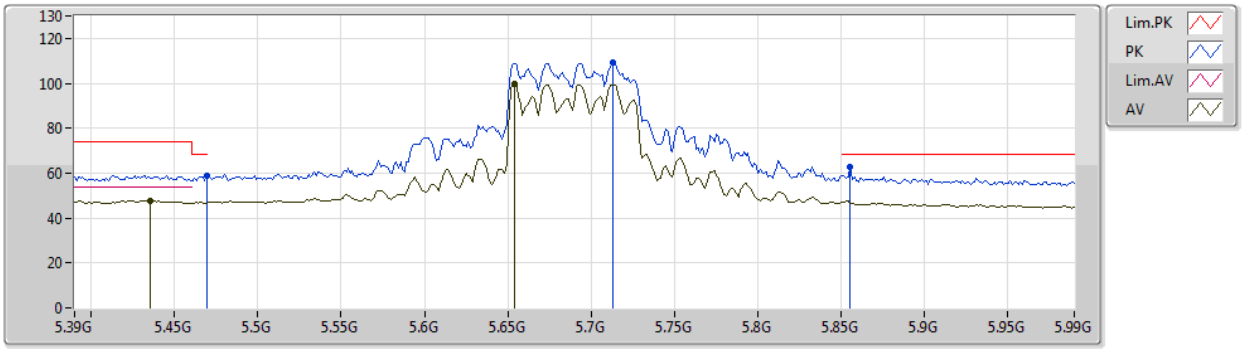


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.22456G	44.69	54.00	-9.31	15.58	3	Horizontal	155	1.41	-	29.11	39.91	10.05	34.38
PK	11.21556G	57.10	74.00	-16.90	15.58	3	Horizontal	155	1.41	-	41.52	39.91	10.05	34.38

802.11ac VHT80_Nss4,(MCS0)_4TX

5690MHz Straddle 5.47-5.725GHz_TX

06/03/2019

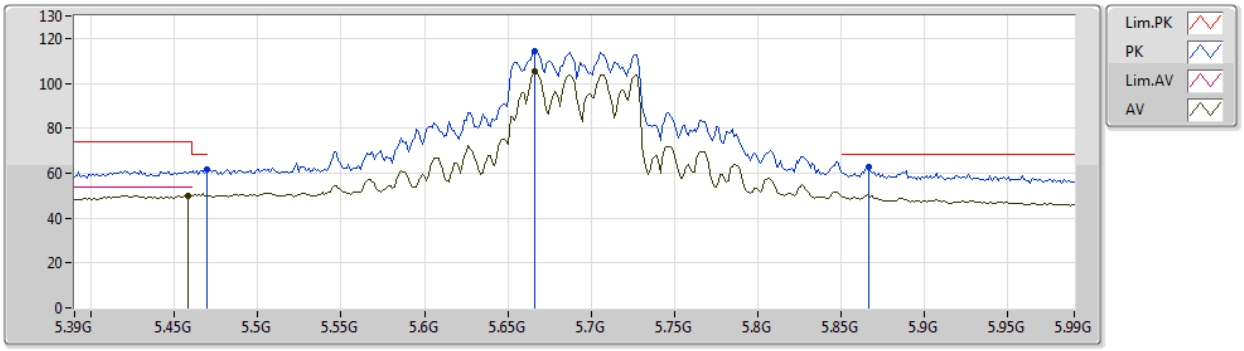


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4356G	47.68	54.00	-6.32	4.49	3	Vertical	40	1.50	-	43.19	31.76	7.14	34.41
AV	5.654G	99.71	Inf	-Inf	4.91	3	Vertical	40	1.50	-	94.80	32.02	7.33	34.44
PK	5.4692G	58.74	68.20	-9.46	4.54	3	Vertical	40	1.50	-	54.20	31.78	7.17	34.41
PK	5.7128G	108.99	Inf	-Inf	5.05	3	Vertical	40	1.50	-	103.94	32.10	7.41	34.46
PK	5.8556G	62.77	68.20	-5.43	5.32	3	Vertical	40	1.50	-	57.45	32.30	7.51	34.49

802.11ac VHT80_Nss4,(MCS0)_4TX

5690MHz Straddle 5.47-5.725GHz_TX

06/03/2019

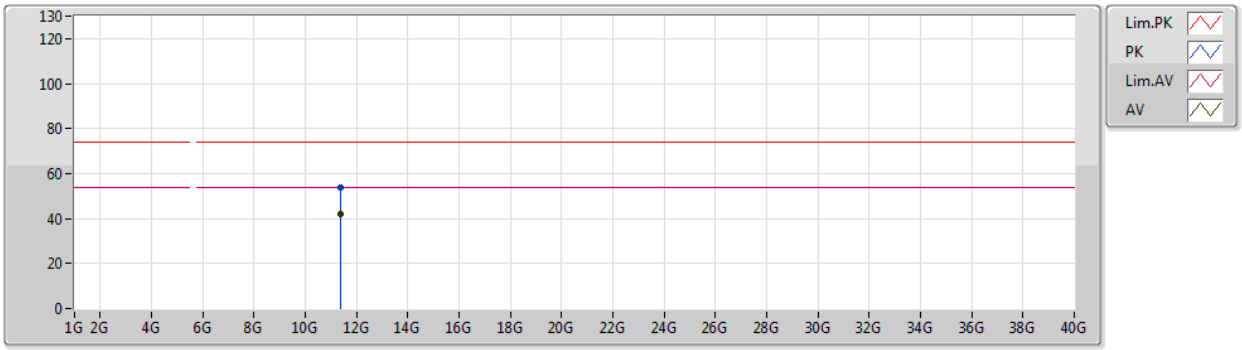


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4584G	49.98	54.00	-4.02	4.53	3	Horizontal	333	1.51	-	45.45	31.78	7.16	34.41
AV	5.666G	105.23	Inf	-Inf	4.93	3	Horizontal	333	1.51	-	100.30	32.03	7.35	34.45
PK	5.4692G	61.39	68.20	-6.81	4.54	3	Horizontal	333	1.51	-	56.85	31.78	7.17	34.41
PK	5.666G	114.51	Inf	-Inf	4.93	3	Horizontal	333	1.51	-	109.58	32.03	7.35	34.45
PK	5.8664G	62.87	68.20	-5.33	5.33	3	Horizontal	333	1.51	-	57.54	32.31	7.51	34.49

802.11ac VHT80_Nss4,(MCS0)_4TX

5690MHz_TX

06/03/2019

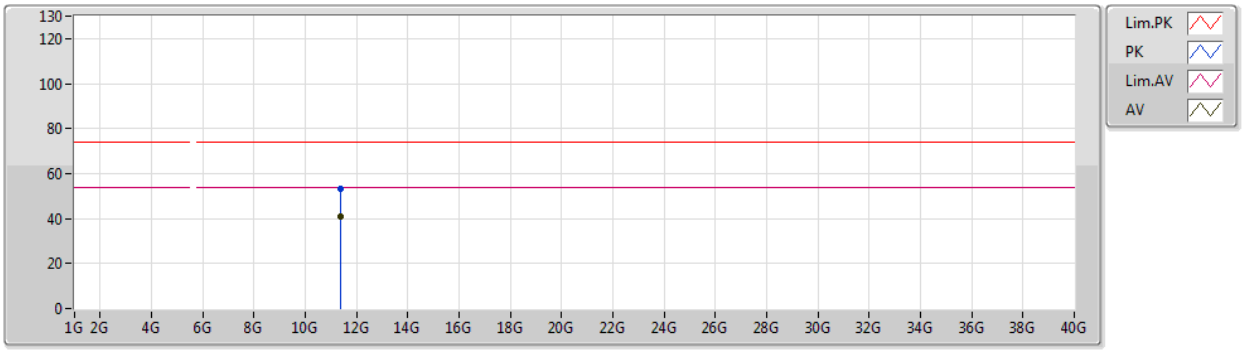


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.38048G	41.80	54.00	-12.20	15.56	3	Vertical	2	1.09	-	26.24	39.85	10.10	34.39
PK	11.38018G	54.07	74.00	-19.93	15.56	3	Vertical	2	1.09	-	38.51	39.85	10.10	34.39

802.11ac VHT80_Nss4,(MCS0)_4TX

5690MHz_TX

06/03/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.38204G	40.96	54.00	-13.04	15.56	3	Horizontal	193	1.60	-	25.40	39.85	10.10	34.39
PK	11.39116G	53.23	74.00	-20.77	15.55	3	Horizontal	193	1.60	-	37.68	39.84	10.10	34.39