FCC Test Report

FCC ID	:	**PPQ-WP9333**
Equipment	:	**802.11 a/n/ac + b/g/n Access Point**
Brand Name	:	**LITE-ON, MOJO, ARISTA, WatchGuard**
Model Name	:	**WP9333,WP9331,O-105, WP9331-FM, O-105E, AP327X**
Applicant	:	**LITE-ON Technology Corp. Bldg. C, 90, Chien 1 Rd., Chung-Ho, New Taipei City, 23585 Taiwan**
Manufacturer	:	**Lite-On Network Communication (Dongguan) Limited 30#Keji Rd.,Yin Hu Industrial Area,Qingxi Town,DongGuan City,Guangdong,China**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Jan. 29, 2019, and testing was started from Jan. 29, 2019 and completed on Feb. 02, 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.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR790613-05AN	01	Initial issue of report	Mar. 29, 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: Sam Tsai

Report Producer: Amber Chiu

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]
5250-5350	n (HT40), ac (VHT40)	5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
5250-5350	ac (VHT80)	5290	58 [1]
5470-5725		5530-5610	106-122 [2]

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	2TX
5.47-5.725GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX

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

1.1.2 Antenna Information

SKU#	Ant.	Port	Brand	Model Name	Antenna Type	Connector	Radio
1~8	1	2	Walsin	RFMTA400809MMLB901	Metal Antenna	MMCX	1
	2	1	Walsin	RFMTA400811MMLB901	Metal Antenna	MMCX	1
	3	2	Walsin	RFMTA400814MM5B901	Metal Antenna	MMCX	2
	4	1	Walsin	RFMTA400816MM5B901	Metal Antenna	MMCX	2
	5	2	Master Wave Technology Co., Ltd	98P7RPIPF000	PCB Antenna	I-PEX	3
	6	1	Master Wave Technology Co., Ltd	98P7RPIPF001	PCB Antenna	I-PEX	3
	7	1	Walsin	RFPCA381017MMAB702	PCB Antenna	MMCX	4
9	8	2	MasterWave	98615MNXX003	Dipole	N-type	1
	9	1					
	10	2	MasterWave	98615UNXX005	Dipole	N-type	2
	11	1					
10	12	2	Senao	5718A0394300	Dipole	N-type	1
	13	1					
	14	2	Senao	5718A0394300	Dipole	N-type	2
	15	1					
9~10	16	1	LITEON	30100011316D	PCB Antenna	MMCX	4

Ant.	Gain (dBi)								
	Radio 1	Radio 2				Radio 3			Radio 4
	2.4G	5G U-NII-1	5G U-NII-2A	5G U-NII-2C	5G U-NII-3	2.4G	5G U-NII-1	5G U-NII-3	BT
	with cable loss	with cable loss	with cable loss	with cable loss	with cable loss	with cable loss	with cable loss	with cable loss	with cable loss
1	5.9	-	-	-	-	-	-	-	-
2	5.9	-	-	-	-	-	-	-	-
3	-	6.2	6.5	6.5	6.4	-	-	-	-
4	-	6.2	6.5	6.5	6.4	-	-	-	-
5	-	-	-	-	-	6.5	4.7	6.0	-
6	-	-	-	-	-	6.5	4.8	5.5	-
7	-	-	-	-	-	-	-	-	8.6

Ant.	Gain (dBi)										
	Radio 1		Radio 2								Radio 4
	2.4G		5G U-NII-1		5G U-NII-2A		5G U-NII-2C		5G U-NII-3		BT
	without cable loss	with cable loss	without cable loss	with cable loss	without cable loss	with cable loss	without cable loss	with cable loss	without cable loss	with cable loss	with cable loss
8	5.0	4.46	-	-	-	-	-	-	-	-	-
9	5.0	4.46	-	-	-	-	-	-	-	-	-
10	-	-	7.0	6.19	7.0	6.19	7.0	6.19	7.0	6.19	-
11	-	-	7.0	6.19	7.0	6.19	7.0	6.19	7.0	6.19	-
12	5.5	4.96	-	-	-	-	-	-	-	-	-
13	5.5	4.96	-	-	-	-	-	-	-	-	-
14	-	-	7.0	6.19	7.0	6.19	7.0	6.19	7.0	6.19	-
15	-	-	7.0	6.19	7.0	6.19	7.0	6.19	7.0	6.19	-
16	-	-	-	-	-	-	-	-	-	-	8

Note 1: Regarding to more detail and other information, please refer to 1.1.5.
Note 2: The SKU#1~2 contain Radio 3 (2.4G)/(5G) RF module(Model Name: WM862FEMD, FCC ID: PPQ-WM862FEMD).
Note 3: For WiFi Function ; SKU# 1~8 use Internal antenna system, and SKU# 9~10 use external antenna system.
Note 4: The antenna gain with cable loss and was used to perform the worst configuration and result of that was recorded as the final test result.

For 2.4 GHz function:
For IEEE 802.11b/g/n/ac mode (2TX/2RX)
Radio 1
SKU#1~8: Ant. 1 (port 2) and Ant. 2 (port 1) could transmit/receive simultaneously.
SKU#9: Ant. 8 (port 2), Ant. 9 (port 1) could transmit/receive simultaneously.
SKU#10: Ant. 12 (port 2) and Ant. 13 (port 1) could transmit/receive simultaneously.
Radio 3
SKU#1~2: Ant. 5 (port 2) and Ant. 6 (port 1) could transmit/receive simultaneously.
For 5 GHz function:
For IEEE 802.11a/n/ac mode (2TX/2RX)
Radio 2
SKU#1~8: Ant. 3 (port 2) and Ant. 4 (port 1) could transmit/receive simultaneously.
SKU#9: Ant. 10 (port 2), Ant. 11 (port 1) could transmit/receive simultaneously.
SKU#10: Ant. 14 (port 2) and Ant. 15 (port 1) could transmit/receive simultaneously.
Radio 3 (For U-NII-1 and U-NII-3)
SKU#1~2: Ant. 5 (port 2) and Ant. 6 (port 1) could transmit/receive simultaneously.

For Bluetooth function:

For Bluetooth mode (1TX/1RX)

Radio 4

SKU#1~8: Only Ant. 7 (port 1) can be used as transmitting/receiving antenna.
SKU#9~10: Only Ant. 16 (port 1) can be used as transmitting/receiving antenna.

- The Signals support CDD and correlated, and transmits simultaneously in multiple channels in single or multiple frequency bands.
- If all antennas have the same gain, GANT:
  Directional gain = GANT + 10 log(NANT/NSS) dBi, where NSS = the number of independent spatial streams of data and GANT is the antenna gain in dBi. (This formula can also be applied when antennas have different gains if the highest antenna gain is substituted for GANT.)
- For power measurements on IEEE 802.11 devices,
  Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;
  Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any NANT;
  Array Gain = 5 log(NANT/NSS) dB or 3 dB, whichever is less,for 20-MHz channel widths with NANT ≥ 5.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From PoE			
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	0.966	0.15	2.067m	1k
802.11ac VHT20	0.985	0.066	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.97	0.132	2.439m	1k
802.11ac VHT80	0.94	0.269	1.15m	1k

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.

SKU#	Brand Name	Model Name	CPU	CPU Brand	DDR	DDR Brand	Flash	Flash Brand/Model	NAND	NAND Brand/Model
1	LITE-ON	WP9333	IPQ4029	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC	-	-
							32X2	2x32 25Q256JVFQ WINBOND	-	-
2			IPQ4019	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC	-	-
							32X2	2x32 25Q256JVFQ WINBOND	-	-
3		WP9331	IPQ4029	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC	-	-
							32X2	2x32 25Q256JVFQ WINBOND	-	-
4			IPQ4019	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC	-	-
							32X2	2x32 25Q256JVFQ WINBOND	-	-
5		WP9331-FM	IPQ4029	Qualcomm Atheros	512	Micron	64	1x64 MX25L51245GMI-08G MXIC	-	-
							32X2	2x32 25Q256JVFQ WINBOND	-	-
6	MOJO	O-105	IPQ4029	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC	-	-
							32X2	2x32 25Q256JVFQ WINBOND	-	-
7			IPQ4019	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC	-	-
							32X2	2x32 25Q256JVFQ WINBOND	-	-
8	ARISTA	O-105	IPQ4029 (I-TEMP)	Qualcomm Atheros	512	Micron	32	2x32 25Q256JVFQ WINBOND	128	MT29F1G08ABAEAWP-IT
9	ARISTA	O-105E	IPQ4029 (I-TEMP)	Qualcomm Atheros	512	Micron	32	2x32 25Q256JVFQ WINBOND	128	MT29F1G08ABAEAWP-IT
10	WatchGuard	O-105E AP327X	IPQ4029 (I-TEMP)	Qualcomm Atheros	512	Micron	32	2x32 25Q256JVFQ WINBOND	128	MT29F1G08ABAEAWP-IT

SKU#	Brand Name	Model Name	Radio 1	Radio 2	Radio 3	Radio 4	SFP	EUT Power Type
1~2	LITE-ON	WP9333	V	V	V	V	V	AC main / PoE
3~4	LITE-ON	WP9331	V	V	X	V	V	PoE
5	LITE-ON	WP9331-FM	V	V	X	V	V	PoE
6~7	MOJO	O-105	V	V	X	V	V	PoE
8	ARISTA	O-105	V	V	X	V	X	PoE
9	ARISTA	O-105E	V	V	X	V	X	PoE
10	WatchGuard	O-105E AP327X	V	V	X	V	X	PoE

Note:
Radio 1: 802.11ac 2.4G only
Radio 2: 802.11ac 5GHz on board
Radio 3: 802.11agnac PCIe card, 2.4G+5GB1/B4
Radio 4: Bluetooth (BT LE and BR/EDR) on board
The models O-105E & AP327X for Brand Name WatchGuard are identical. All the models are identical, the difference models served as marketing strategy.

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR790613-04AN

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

Modifications	Performance Checking
Frequency bands U-NII-2A and U-NII-2C was added	All

1.2 Testing Applied Standards

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Andy	22.5~25°C / 62~65%	01/Feb/2019
Radiated (SKU#1)	03CH02-HY	Andy	21.6~22.8°C / 57~61%	01/Feb/2019~ 02/Feb/2019
Radiated (SKU#10)	03CH09-HY	Kevin	24~26°C / 54~60%	29/Jan/2019~ 31/Jan/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 Version	QCRT version 3.0.210.0

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	17.5
5300MHz	17.5
5320MHz	17.5
5500MHz	17
5580MHz	17.5
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	17
5300MHz	17.5
5320MHz	17.5
5500MHz	17
5580MHz	17
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	20
5310MHz	19
5510MHz	20
5550MHz	20.5

Mode	PowerSetting
5670MHz	20
5710MHz Straddle 5.47-5.725GHz	20.5
5710MHz Straddle 5.725-5.85GHz	20.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	19.5
5530MHz	19.5
5610MHz	19.5
5690MHz Straddle 5.47-5.725GHz	21
5690MHz Straddle 5.725-5.85GHz	21

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	PoE mode, SKU #1		
2	PoE mode, SKU #10		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT	V		

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	1. Radio 1 (2.4G) + Radio 2 (5G) + Radio 3 (2.4G) + Radio 4 (BT)
2	2. Radio 1 (2.4G) + Radio 2 (5G) + Radio 3 (5G) + Radio 4 (BT)
Refer to Sporton Test Report No.: FA790613 for Co-location RF Exposure Evaluation.	

2.4 Accessories and Support Equipment

Accessories		
Ground Wire	**Signal Line**	6.4 meter, non-shielded cable, w/o ferrite core

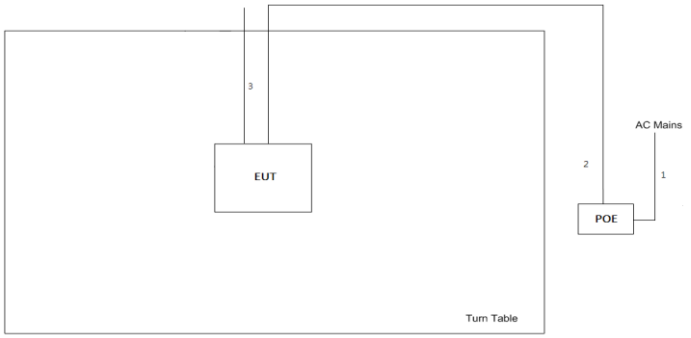
Reminder: Regarding to more detail and other information, please refer to user manual.

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	PoE	Power Dsine	7001G	-

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	PoE	D-Link	DWL-P200	-

2.5 Test Setup Diagram

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.0	-
2	RJ45 Cable	No	10.0	-
3	Ground wire	No	6.4	-

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.

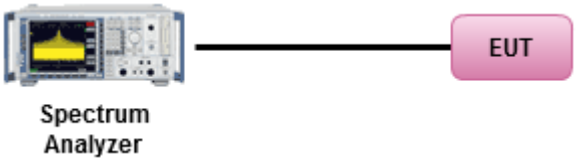
3.1.2 Measuring Instruments

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.	

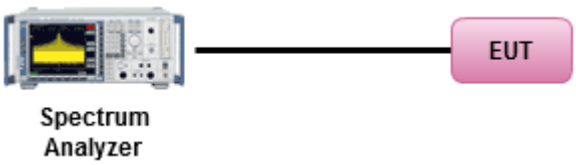
3.2.2 Measuring Instruments

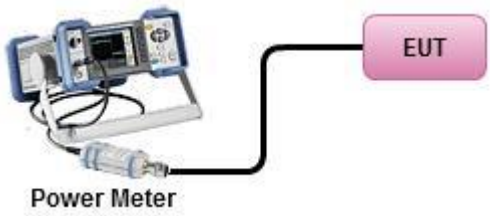
Refer a test equipment and calibration data table in this test report.

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

Maximum Conducted 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.	

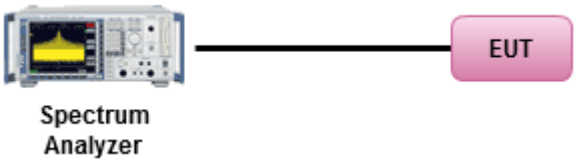
3.3.2 Measuring Instruments

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.

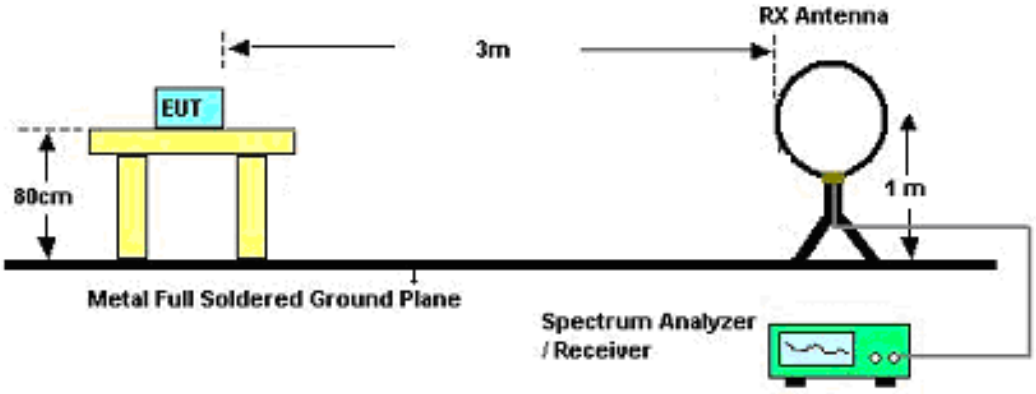
3.4.3 Test Procedures

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.		

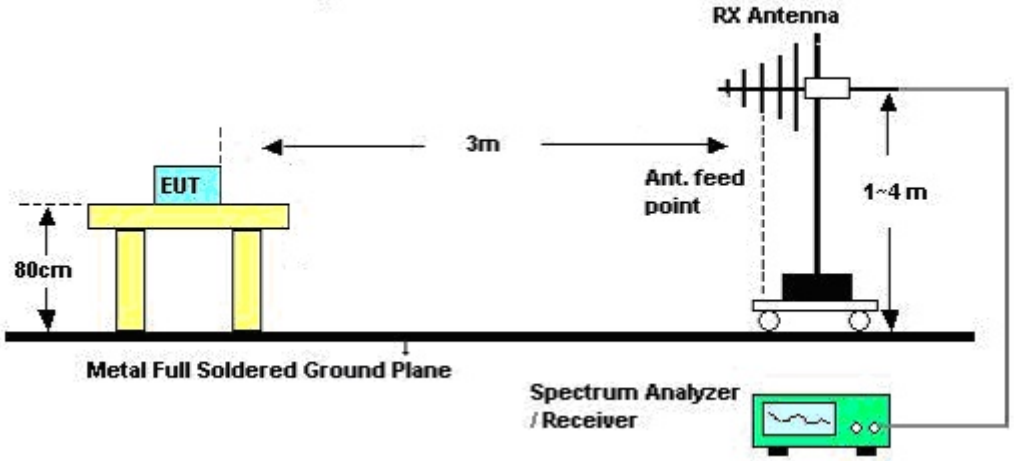
3.4.4 Test Setup

Transmitter Radiated Unwanted Emissions

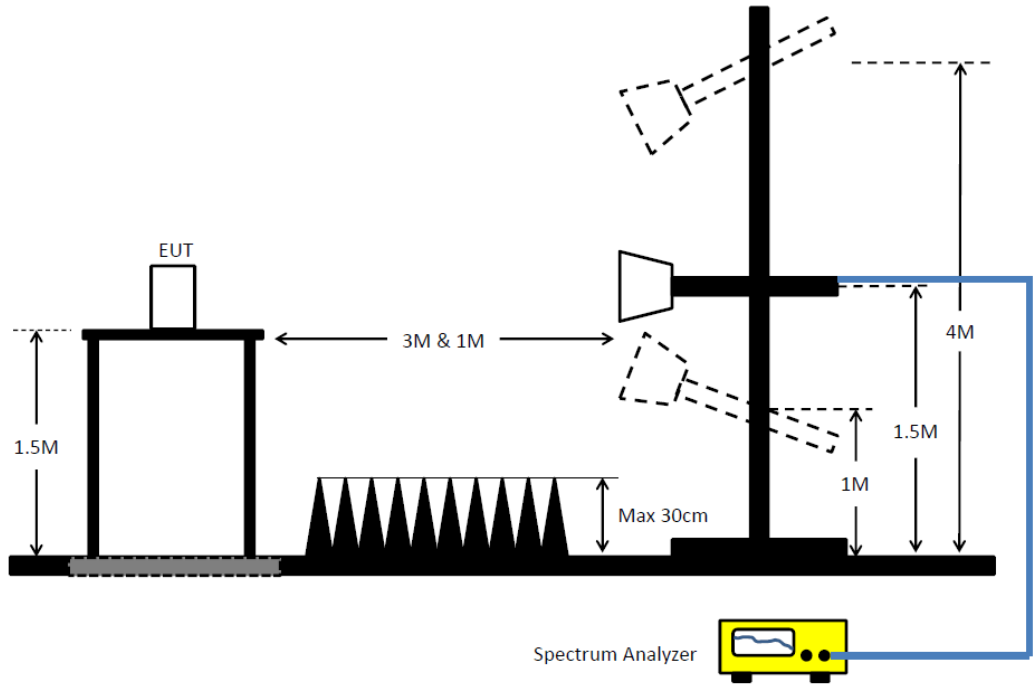
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.4.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

3.5 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
Signal Generator	R&S	SMB100A	175727	100kHz~40GHz	26/Oct/2018	25/Oct/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
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	10/Jan/2019	09/Jan/2020
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	10/Jan/2019	09/Jan/2020
RF Cable 0.5m	HUBER	MY37963/4	RF Cable - 22	30MHz ~18G	10/Jan/2019	09/Jan/2020

Instrument for Radiated Test For SKU#1

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	19/Oct/2018	18/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	17/Oct/2018	16/Oct/2019
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	27Jul/2018	02/Jul/2019
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	23/Oct/2018	22/Oct/2019
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	18/Jan/2019	17/Jan/2020
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	2/Feb/2019	1/Feb/2020
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz ~ 1GHz	08/Sep/2018	07/Sep/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	10/Apr/2018	09/Apr/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	29/Mar/2018	28/Mar/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz ~ 40GHz	12/Mar/2018	11/Mar/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 01543	1GHz ~ 18GHz	11/May/2018	10/May/2019

Instrument for Radiated Test For SKU#10

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	23/Apr/2018	22/Apr/2019
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	14/Jun/2018	13/Jun/2019
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	10/May/2018	09/May/2019
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	27/Apr/2018	26/Apr/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	10/Apr/2018	09/Apr/2019
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	31/Jul/2018	30/Jul/2019
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	02/Oct/2018	03/Oct/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	30/Apr/2018	29/Apr/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170614	18GHz~40GHz	09/Feb/2018	08/Feb/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	29/Mar/2018	28/Mar/2019
RF Cable-R03m	Jye Bao	RG142	CB031	9kHz ~ 1GHz	1/Feb/2018	31/Jan/2019
RF Cable-high	HUBER+ SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	14/Mar/2018	13/Mar/2019
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	02/Feb/2019	01/Feb/2020

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)_2TX	19.125M	16.417M	16M4D1D	18.85M	16.367M
802.11ac VHT20_Nss1,(MCS0)_2TX	20M	17.641M	17M6D1D	19.875M	17.591M
802.11ac VHT40_Nss1,(MCS0)_2TX	39.5M	36.032M	36M0D1D	39.3M	35.932M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.2M	75.762M	75M8D1D	83.2M	75.662M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.075M	16.392M	16M4D1D	14.415M	13.193M
802.11ac VHT20_Nss1,(MCS0)_2TX	20.25M	17.616M	17M6D1D	14.91M	13.793M
802.11ac VHT40_Nss1,(MCS0)_2TX	39.8M	36.032M	36M0D1D	34.58M	32.814M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.6M	75.862M	75M9D1D	76.05M	72.489M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.2M	3.358M	3M36D1D	3.14M	3.298M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.74M	3.858M	3M86D1D	3.74M	3.858M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.14M	3.438M	3M44D1D	3.12M	3.358M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.22M	4.118M	4M12D1D	3.14M	3.778M

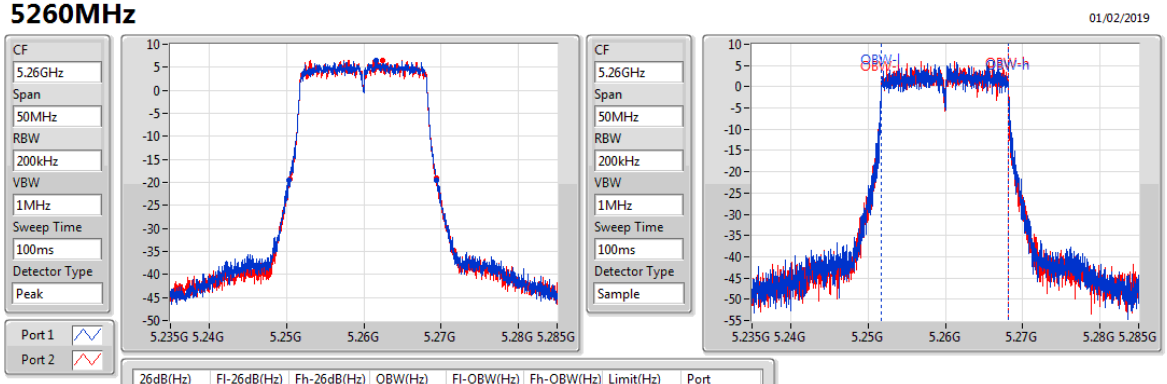
Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	19.125M	16.367M	18.975M	16.392M
5300MHz	Pass	Inf	19.125M	16.392M	18.85M	16.392M
5320MHz	Pass	Inf	19.025M	16.392M	18.95M	16.417M
5500MHz	Pass	Inf	18.95M	16.392M	18.725M	16.392M
5580MHz	Pass	Inf	19.075M	16.392M	18.75M	16.392M
5700MHz	Pass	Inf	19.05M	16.392M	18.7M	16.392M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.58M	13.193M	14.415M	13.193M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.298M	3.2M	3.358M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	19.9M	17.641M	19.925M	17.591M
5300MHz	Pass	Inf	19.875M	17.616M	19.95M	17.591M
5320MHz	Pass	Inf	20M	17.616M	19.925M	17.591M
5500MHz	Pass	Inf	20.25M	17.616M	19.975M	17.616M
5580MHz	Pass	Inf	19.9M	17.616M	19.95M	17.591M
5700MHz	Pass	Inf	20M	17.616M	19.825M	17.566M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.12M	13.838M	14.91M	13.793M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	3.858M	3.74M	3.858M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	39.45M	35.982M	39.5M	35.932M
5310MHz	Pass	Inf	39.5M	35.932M	39.3M	36.032M
5510MHz	Pass	Inf	39.35M	35.882M	39.8M	35.982M
5550MHz	Pass	Inf	39.55M	35.982M	39.45M	36.032M
5670MHz	Pass	Inf	39.5M	35.982M	39.45M	35.982M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.685M	32.919M	34.58M	32.814M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.438M	3.14M	3.358M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	83.2M	75.762M	83.2M	75.662M
5530MHz	Pass	Inf	82.9M	75.662M	83.6M	75.862M
5610MHz	Pass	Inf	83.1M	75.762M	83.6M	75.662M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.575M	72.639M	76.05M	72.489M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.22M	4.118M	3.14M	3.778M

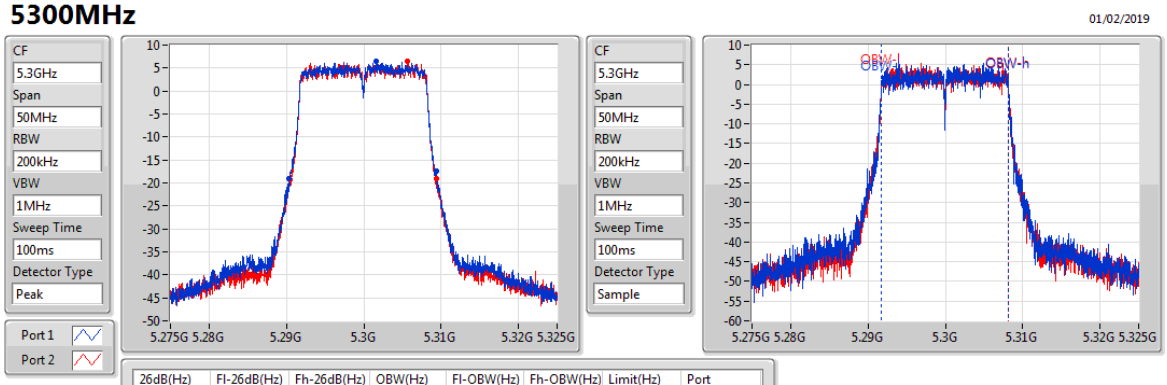
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz



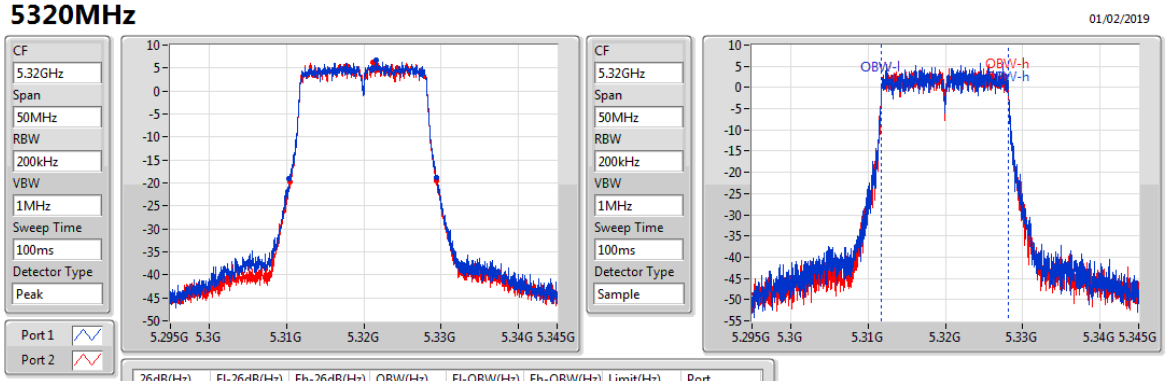
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.125M	5.2503G	5.269425G	16.367M	5.251779G	5.268146G	Inf	1
18.975M	5.250425G	5.2694G	16.392M	5.251754G	5.268146G	Inf	2

802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.125M	5.2903G	5.309425G	16.392M	5.291754G	5.308146G	Inf	1
18.85M	5.290525G	5.309375G	16.392M	5.291754G	5.308146G	Inf	2

802.11a_Nss1,(6Mbps)_2TX
EBW
5320MHz



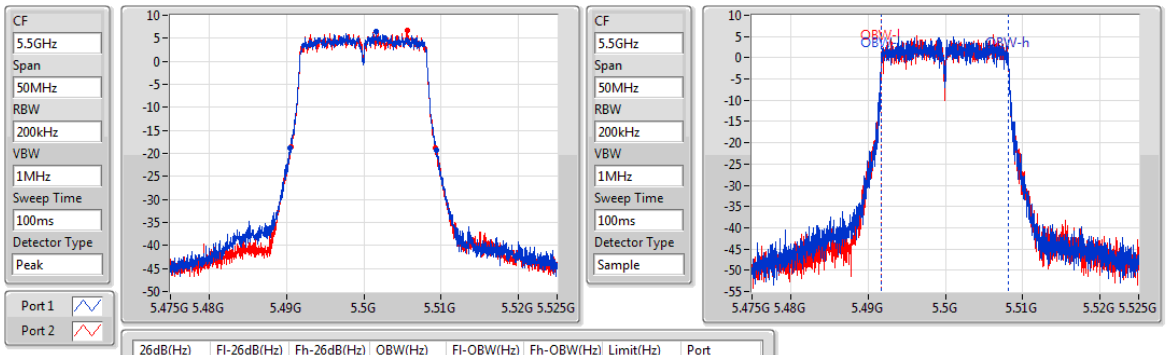
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.025M	5.310325G	5.32935G	16.392M	5.311754G	5.328146G	Inf	1
18.95M	5.310475G	5.329425G	16.417M	5.311754G	5.328171G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5500MHz

01/02/2019



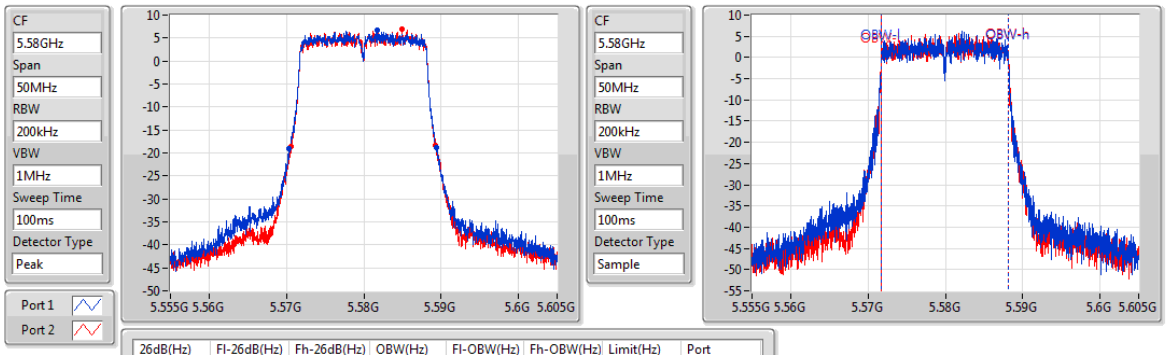
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	5.490425G	5.509375G	16.392M	5.491754G	5.508146G	Inf	1
18.725M	5.490575G	5.5093G	16.392M	5.491754G	5.508146G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

01/02/2019



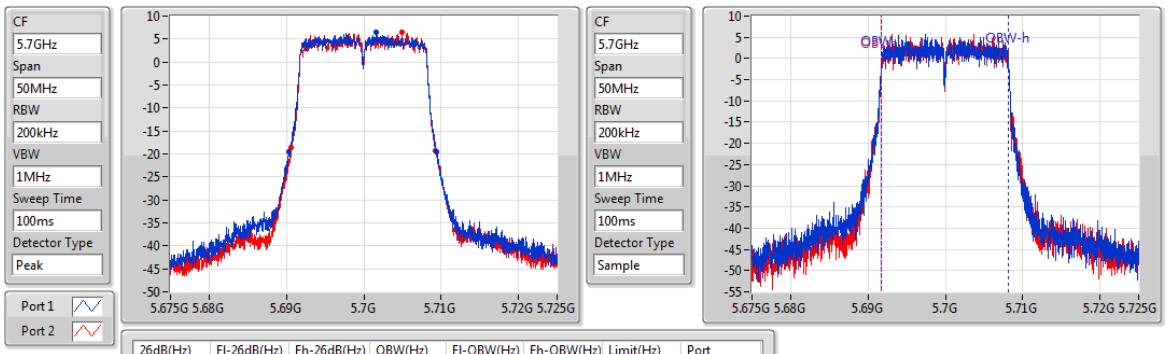
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.075M	5.570325G	5.5894G	16.392M	5.571754G	5.588146G	Inf	1
18.75M	5.57055G	5.5893G	16.392M	5.571754G	5.588146G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5700MHz

01/02/2019

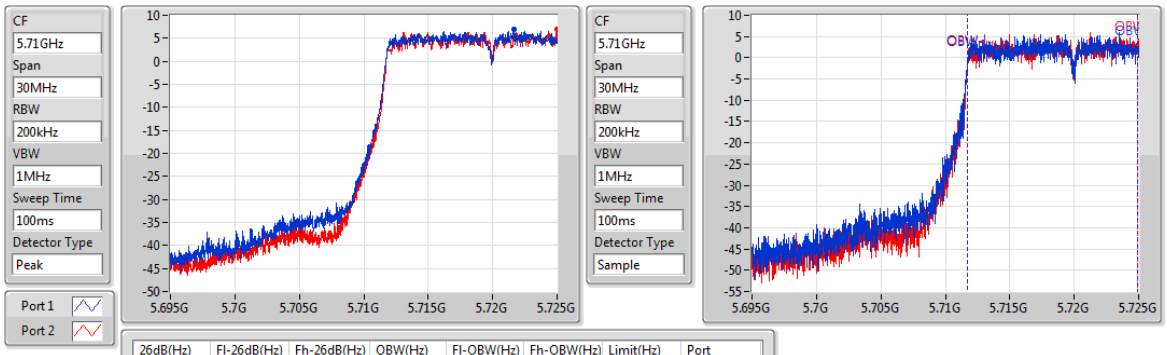


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	5.69035G	5.7094G	16.392M	5.691754G	5.708146G	Inf	1
18.7M	5.690625G	5.709325G	16.392M	5.691754G	5.708146G	Inf	2

802.11a_Nss1,(6Mbps)_2TX **EBW**

5720MHz Straddle 5.47-5.725GHz

01/02/2019

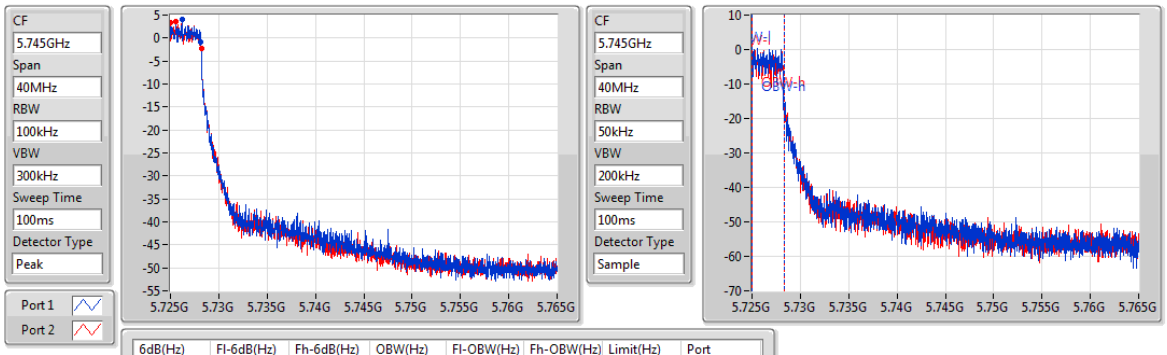


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.58M	5.71042G	5.725G	13.193M	5.711724G	5.724918G	Inf	1
14.415M	5.710585G	5.725G	13.193M	5.711754G	5.724948G	Inf	2

802.11a_Nss1,(6Mbps)_2TX **EBW**

5720MHz Straddle 5.725-5.85GHz

01/02/2019

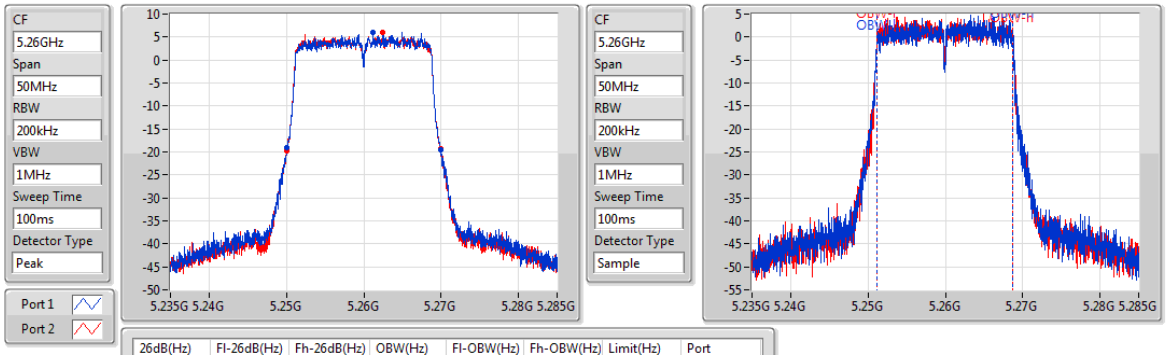


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	3.298M	5.72503G	5.728328G	500k	1
3.2M	5.725G	5.7282G	3.358M	5.72501G	5.728368G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

5260MHz

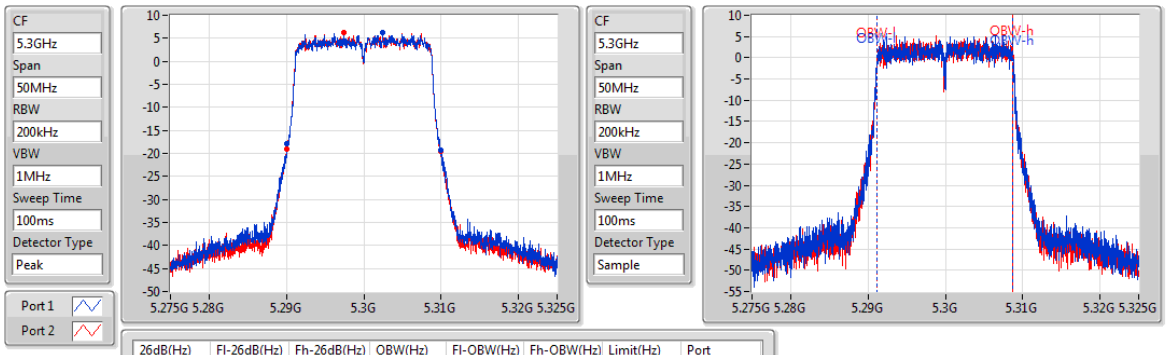
01/02/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.9M	5.250025G	5.269925G	17.641M	5.251129G	5.268771G	Inf	1
19.925M	5.25G	5.269925G	17.591M	5.251154G	5.268746G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5300MHz

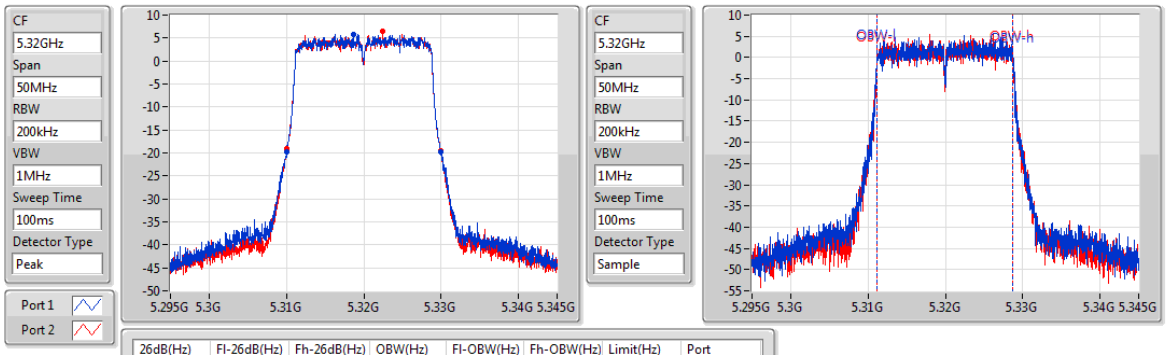
01/02/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.875M	5.290075G	5.30995G	17.616M	5.291154G	5.308771G	Inf	1
19.95M	5.29G	5.30995G	17.591M	5.291154G	5.308746G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5320MHz

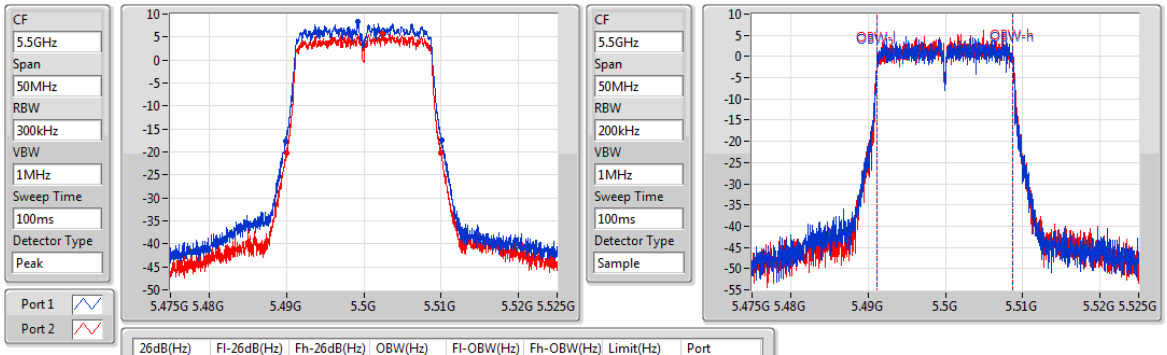
01/02/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20M	5.31G	5.33G	17.616M	5.311154G	5.328771G	Inf	1
19.925M	5.31005G	5.329975G	17.591M	5.311154G	5.328746G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5500MHz

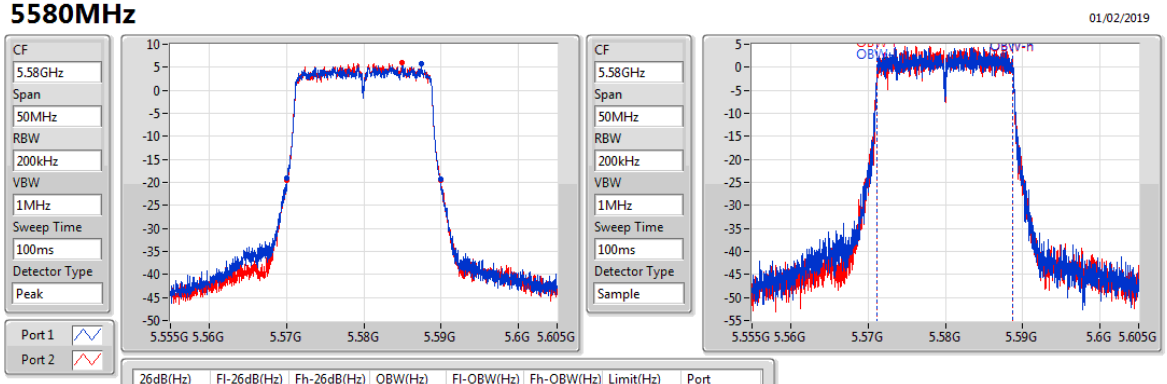
01/02/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.25M	5.48985G	5.5101G	17.616M	5.491154G	5.508771G	Inf	1
19.975M	5.490025G	5.51G	17.616M	5.491154G	5.508771G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

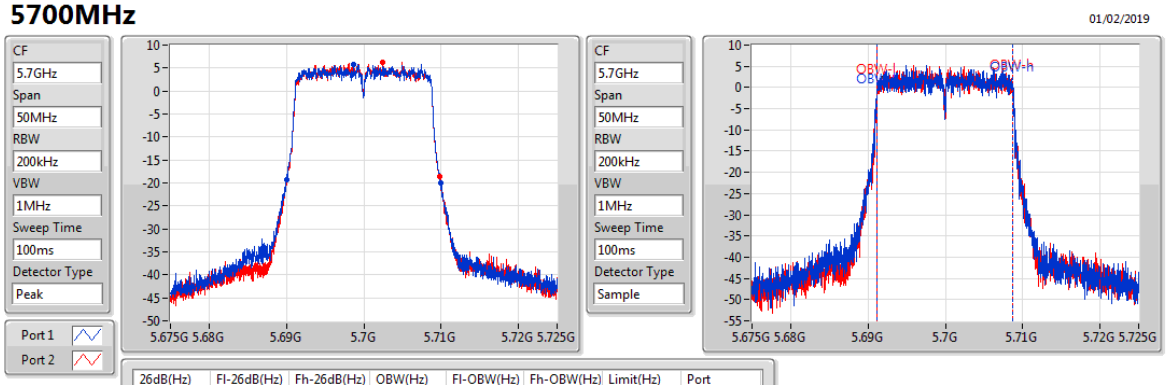
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.9M	5.57G	5.5899G	17.616M	5.571154G	5.588771G	Inf	1
19.95M	5.570025G	5.589975G	17.591M	5.571154G	5.588746G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

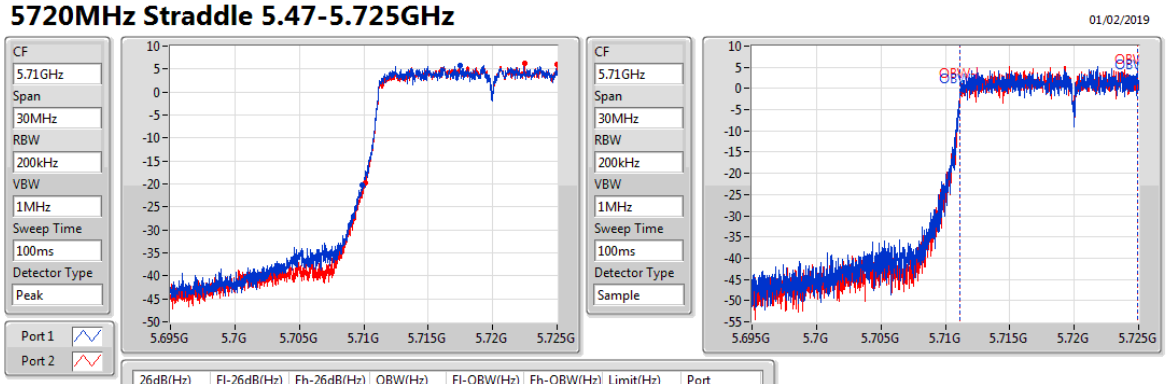
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20M	5.689975G	5.709975G	17.616M	5.691129G	5.708746G	Inf	1
19.825M	5.69005G	5.709875G	17.566M	5.691179G	5.708746G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

5720MHz Straddle 5.47-5.725GHz



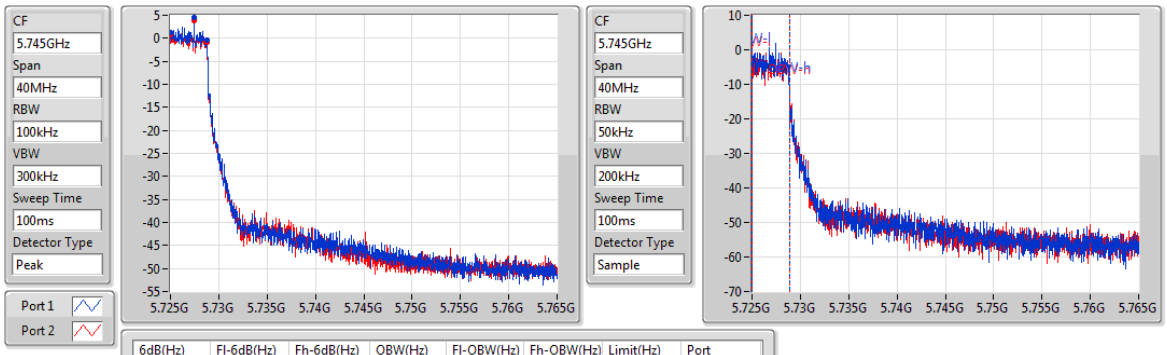
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.12M	5.70988G	5.725G	13.838M	5.711094G	5.724933G	Inf	1
14.91M	5.71009G	5.725G	13.793M	5.711139G	5.724933G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

01/02/2019



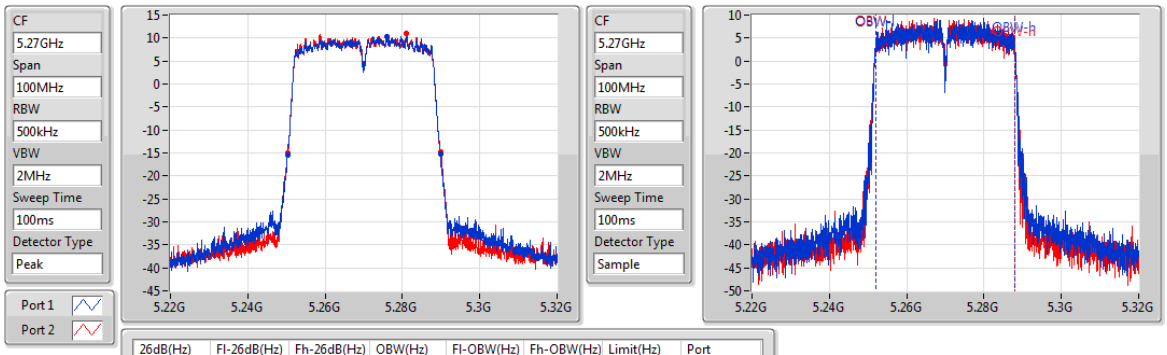
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.74M	5.725G	5.72874G	3.858M	5.72501G	5.728868G	500k	1
3.74M	5.725G	5.72874G	3.858M	5.72501G	5.728868G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5270MHz

01/02/2019



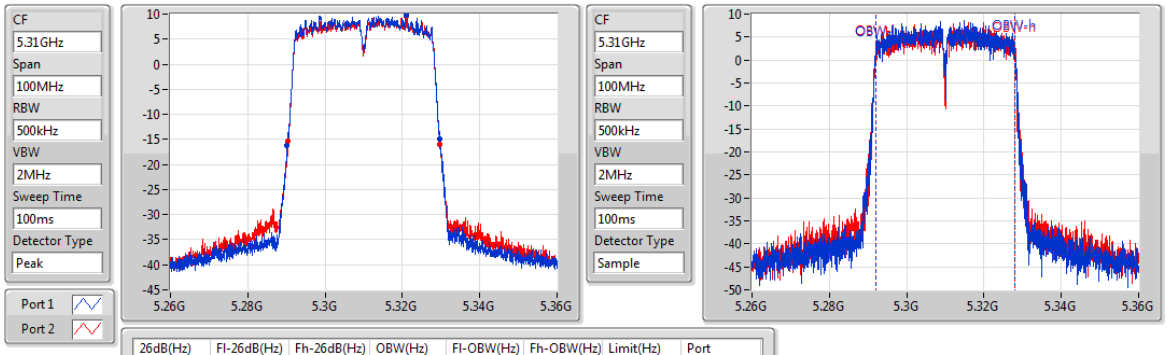
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.45M	5.25035G	5.2898G	35.982M	5.251959G	5.287941G	Inf	1
39.5M	5.25035G	5.28985G	35.932M	5.252009G	5.287941G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5310MHz

11/02/2019

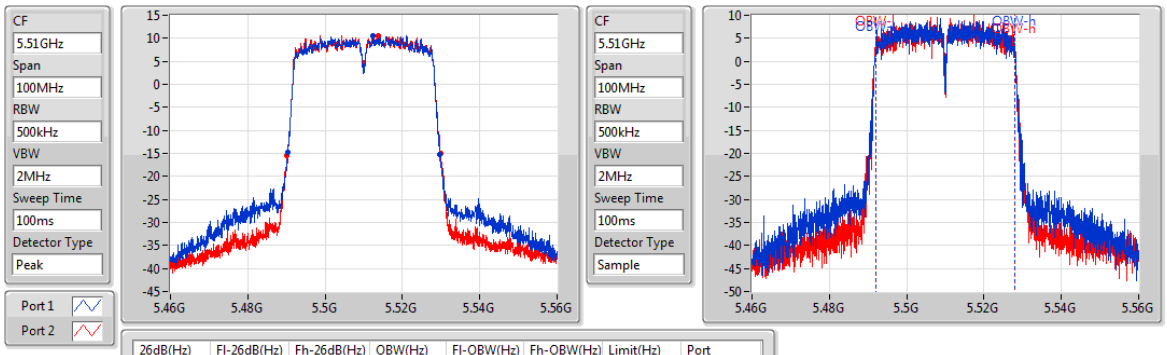


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.5M	5.2902G	5.3297G	35.932M	5.292009G	5.327941G	Inf	1
39.3M	5.29045G	5.32975G	36.032M	5.292009G	5.328041G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX **EBW**

5510MHz

01/02/2019

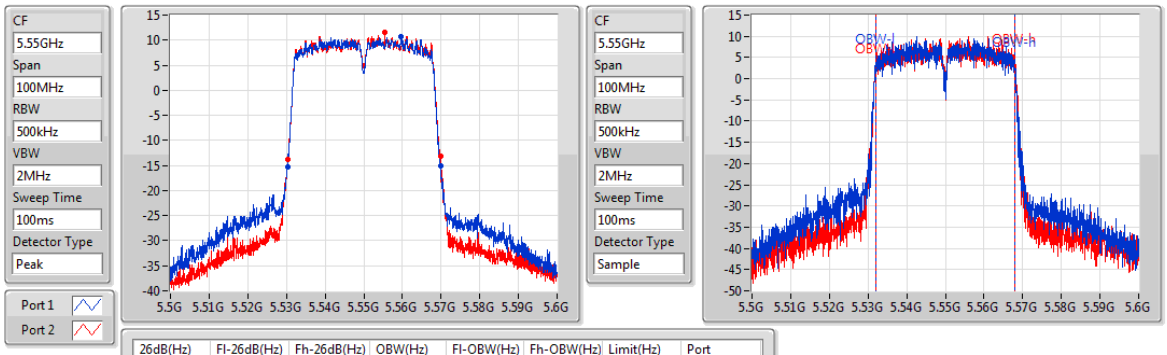


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.35M	5.4904G	5.52975G	35.882M	5.492009G	5.527891G	Inf	1
39.8M	5.4902G	5.53G	35.982M	5.491959G	5.527941G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX **EBW**

5550MHz

01/02/2019

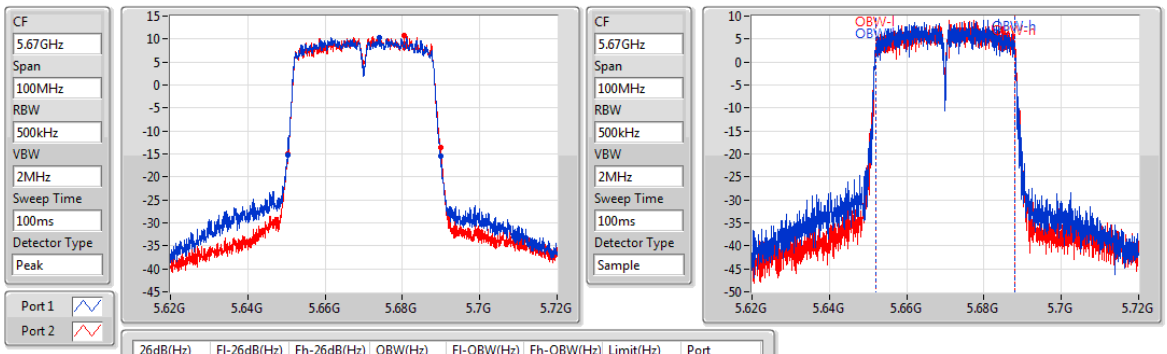


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.55M	5.53025G	5.5698G	35.982M	5.531959G	5.567941G	Inf	1
39.45M	5.53035G	5.5698G	36.032M	5.531959G	5.567991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX **EBW**

5670MHz

01/02/2019

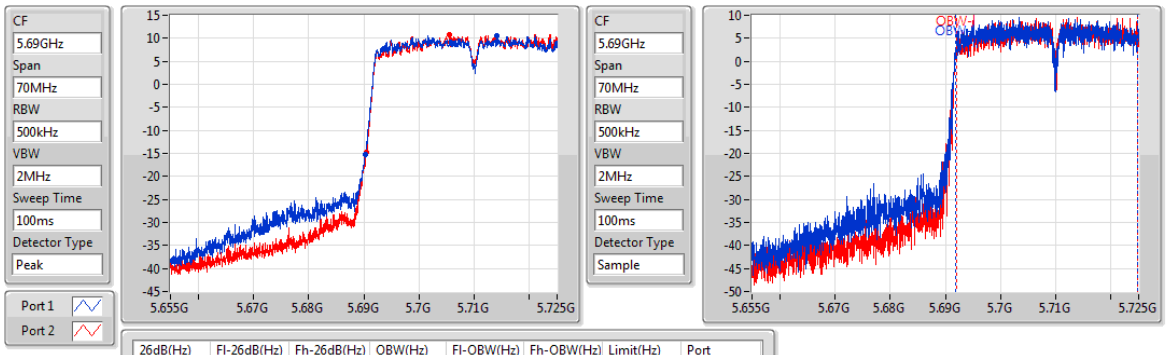


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.5M	5.6503G	5.6898G	35.982M	5.651959G	5.687941G	Inf	1
39.45M	5.65035G	5.6898G	35.982M	5.652009G	5.687991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX **EBW**

5710MHz Straddle 5.47-5.725GHz

01/02/2019

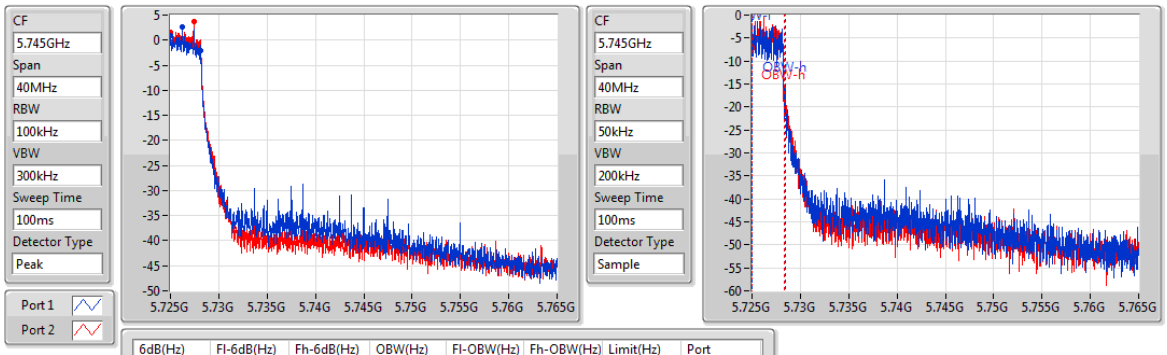


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.685M	5.690315G	5.725G	32.919M	5.691924G	5.724843G	Inf	1
34.58M	5.69042G	5.725G	32.814M	5.691994G	5.724808G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX **EBW**

5710MHz Straddle 5.725-5.85GHz

01/02/2019

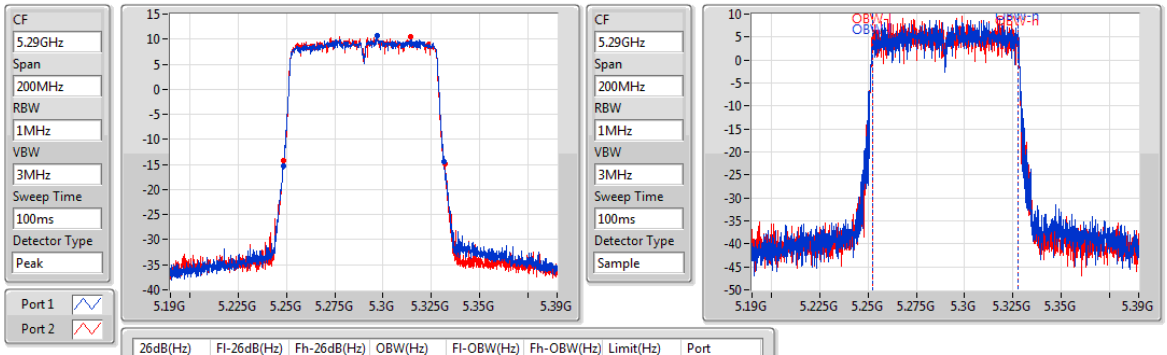


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.12M	5.725G	5.72812G	3.438M	5.72501G	5.728448G	500k	1
3.14M	5.725G	5.72814G	3.358M	5.72501G	5.728368G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX **EBW**

5290MHz

01/02/2019

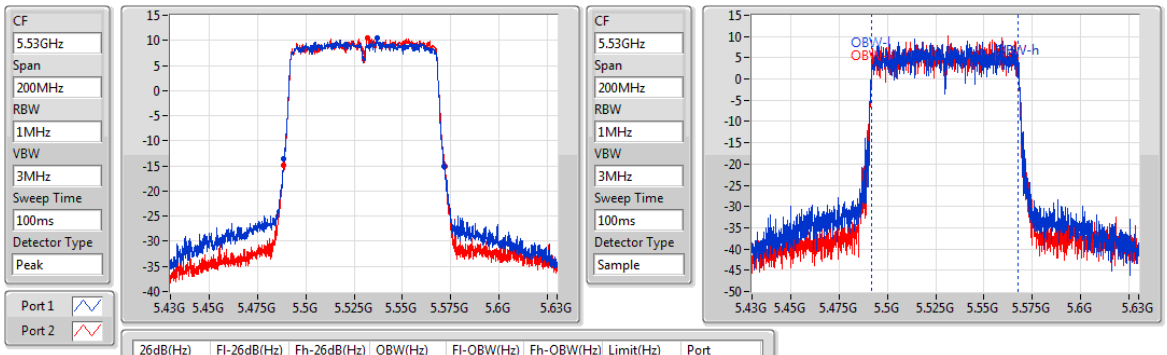


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.2M	5.2484G	5.3316G	75.762M	5.252119G	5.327881G	Inf	1
83.2M	5.2486G	5.3318G	75.662M	5.252119G	5.327781G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX **EBW**

5530MHz

01/02/2019

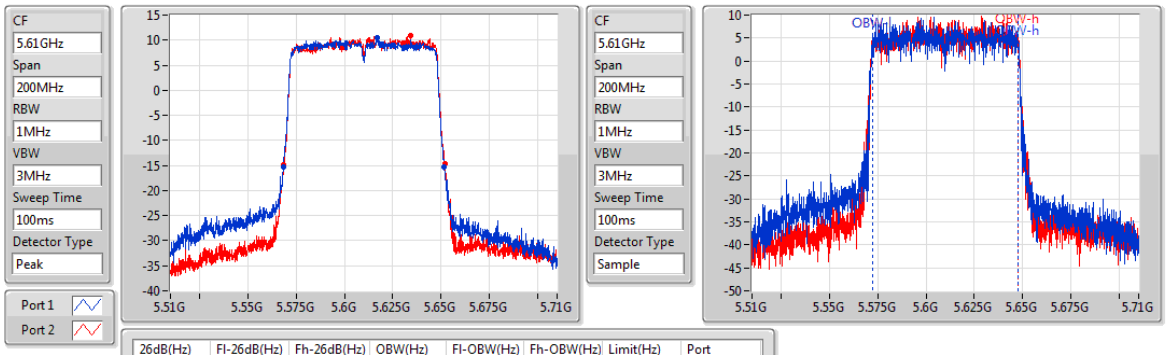


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.9M	5.4887G	5.5716G	75.662M	5.492019G	5.567681G	Inf	1
83.6M	5.4884G	5.572G	75.862M	5.492019G	5.567881G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX **EBW**

5610MHz

01/02/2019

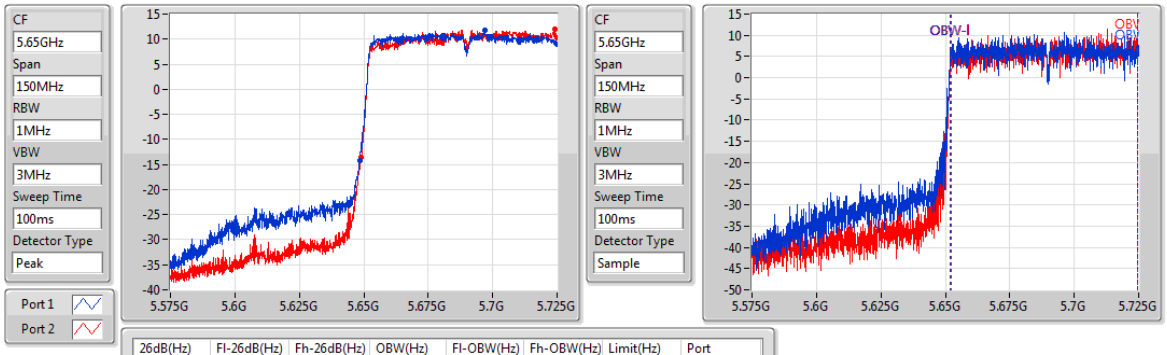


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.1M	5.5684G	5.6515G	75.762M	5.572119G	5.647881G	Inf	1
83.6M	5.5685G	5.6521G	75.662M	5.572219G	5.647881G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX **EBW**

5690MHz Straddle 5.47-5.725GHz

01/02/2019

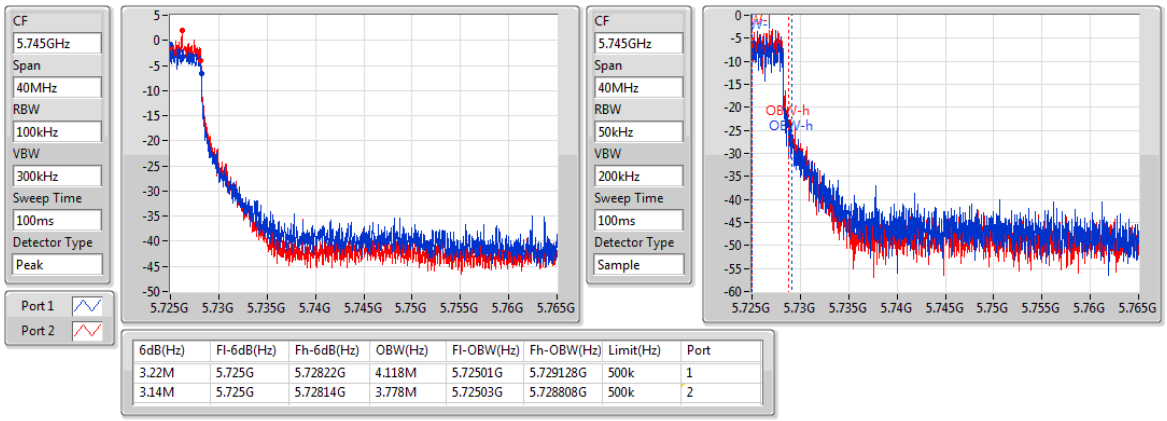


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.575M	5.648425G	5.725G	72.639M	5.652024G	5.724663G	Inf	1
76.05M	5.64895G	5.725G	72.489M	5.652174G	5.724663G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX **EBW**

5690MHz Straddle 5.725-5.85GHz

01/02/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.22M	5.725G	5.72822G	4.118M	5.72501G	5.729128G	500k	1
3.14M	5.725G	5.72814G	3.778M	5.72503G	5.728808G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.38	0.10914	26.88	0.48753
802.11ac VHT20_Nss1,(MCS0)_2TX	20.21	0.10495	26.71	0.46881
802.11ac VHT40_Nss1,(MCS0)_2TX	22.98	0.19861	29.48	0.88716
802.11ac VHT80_Nss1,(MCS0)_2TX	22.07	0.16106	28.57	0.71945
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.36	0.10864	26.86	0.48529
802.11ac VHT20_Nss1,(MCS0)_2TX	20.18	0.10423	26.68	0.46559
802.11ac VHT40_Nss1,(MCS0)_2TX	23.32	0.21478	29.82	0.95940
802.11ac VHT80_Nss1,(MCS0)_2TX	23.48	0.22284	29.98	0.99541
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	13.40	0.02188	19.80	0.09550
802.11ac VHT20_Nss1,(MCS0)_2TX	13.21	0.02094	19.61	0.09141
802.11ac VHT40_Nss1,(MCS0)_2TX	11.81	0.01517	18.21	0.06622
802.11ac VHT80_Nss1,(MCS0)_2TX	9.88	0.00973	16.28	0.04246

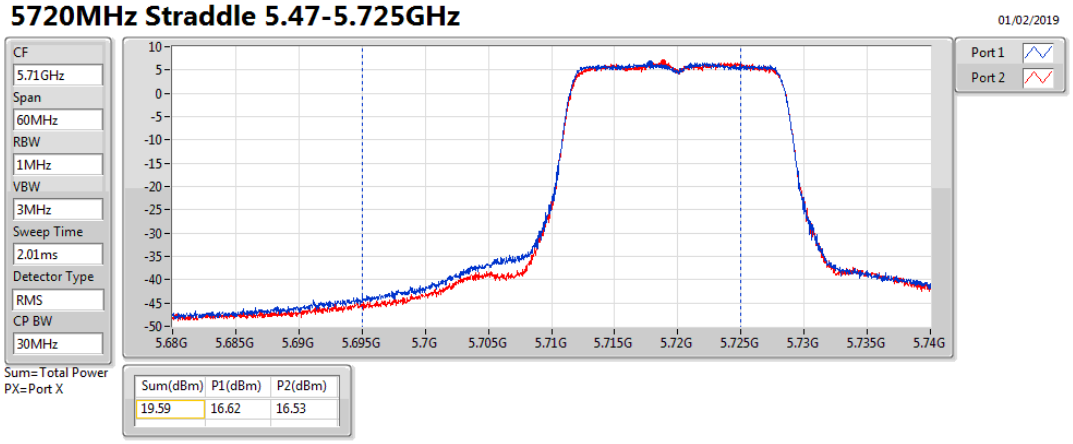
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	6.50	17.29	17.45	20.38	23.28	26.88	29.78
5300MHz	Pass	6.50	17.14	17.18	20.17	23.25	26.67	29.75
5320MHz	Pass	6.50	17.13	17.07	20.11	23.28	26.61	29.78
5500MHz	Pass	6.50	16.87	16.96	19.93	23.22	26.43	29.72
5580MHz	Pass	6.50	17.29	17.41	20.36	23.23	26.86	29.73
5700MHz	Pass	6.50	17.04	17.06	20.06	23.22	26.56	29.72
5720MHz Straddle 5.47-5.725GHz	Pass	6.50	16.62	16.53	19.59	22.09	26.09	28.59
5720MHz Straddle 5.725-5.85GHz	Pass	6.40	10.36	10.41	13.40	29.60	19.80	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	6.50	16.80	16.91	19.87	23.49	26.37	29.99
5300MHz	Pass	6.50	17.16	17.23	20.21	23.48	26.71	29.98
5320MHz	Pass	6.50	17.20	17.11	20.17	23.49	26.67	29.99
5500MHz	Pass	6.50	16.93	17.16	20.06	23.50	26.56	30.00
5580MHz	Pass	6.50	16.89	17.11	20.01	23.49	26.51	29.99
5700MHz	Pass	6.50	17.11	17.23	20.18	23.47	26.68	29.97
5720MHz Straddle 5.47-5.725GHz	Pass	6.50	16.02	16.01	19.03	22.23	25.53	28.73
5720MHz Straddle 5.725-5.85GHz	Pass	6.40	10.35	10.04	13.21	29.60	19.61	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	6.50	19.96	19.98	22.98	23.50	29.48	30.00
5310MHz	Pass	6.50	18.89	18.79	21.85	23.50	28.35	30.00
5510MHz	Pass	6.50	20.07	20.02	23.06	23.50	29.56	30.00
5550MHz	Pass	6.50	20.32	20.29	23.32	23.50	29.82	30.00
5670MHz	Pass	6.50	19.92	19.81	22.88	23.50	29.38	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	6.50	19.93	19.89	22.92	23.50	29.42	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	6.40	8.24	9.29	11.81	29.60	18.21	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	6.50	19.05	19.06	22.07	23.50	28.57	30.00
5530MHz	Pass	6.50	19.04	19.19	22.13	23.50	28.63	30.00
5610MHz	Pass	6.50	19.18	19.29	22.25	23.50	28.75	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	6.50	20.48	20.45	23.48	23.50	29.98	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	6.40	6.08	7.53	9.88	29.60	16.28	36.00

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

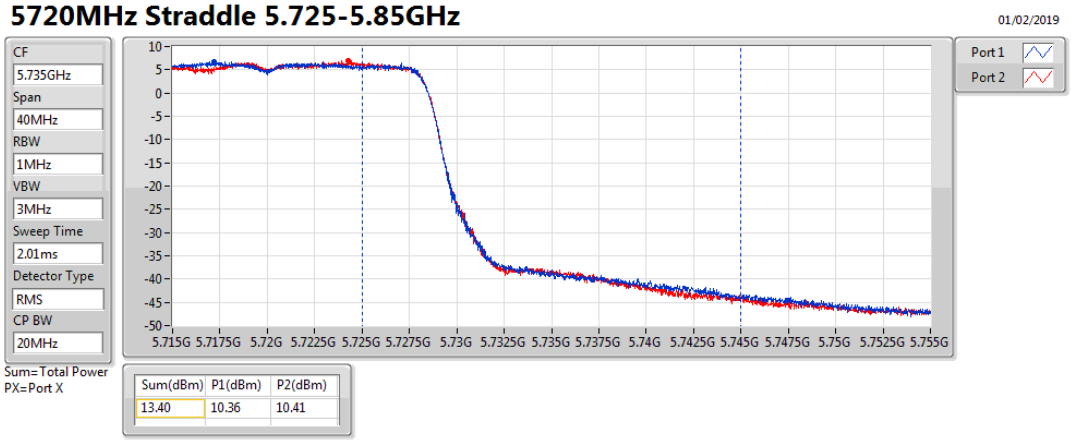
802.11a_Nss1,(6Mbps)_2TX **AV Power**

5720MHz Straddle 5.47-5.725GHz



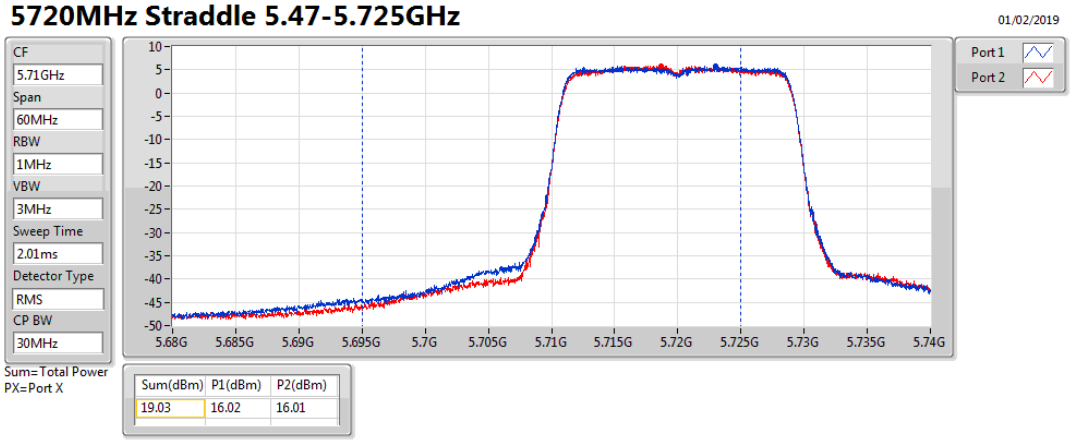
802.11a_Nss1,(6Mbps)_2TX **AV Power**

5720MHz Straddle 5.725-5.85GHz



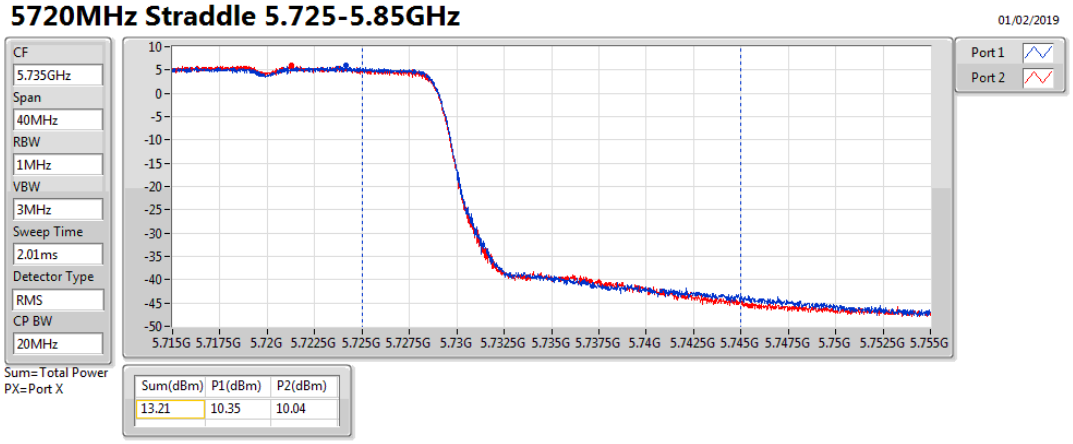
802.11ac VHT20_Nss1,(MCS0)_2TX **AV Power**

5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20_Nss1,(MCS0)_2TX **AV Power**

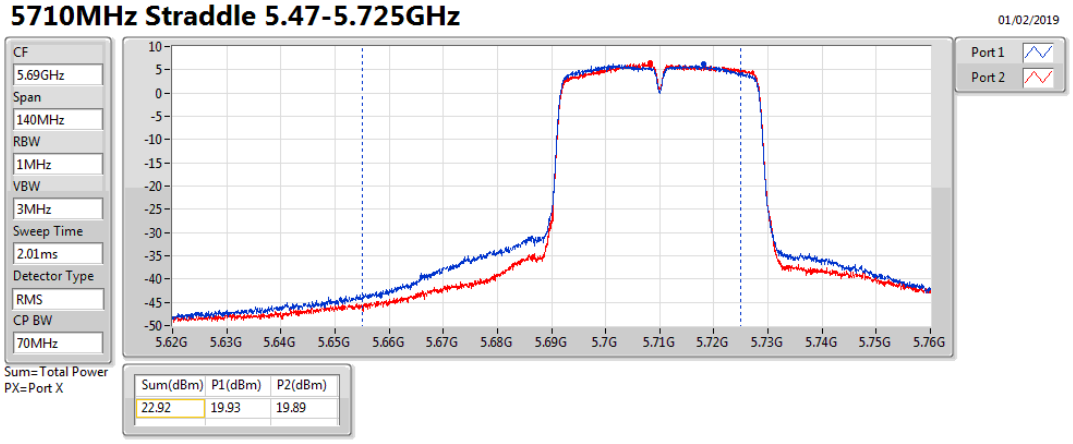
5720MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)
13.21	10.35	10.04

802.11ac VHT40_Nss1,(MCS0)_2TX **AV Power**

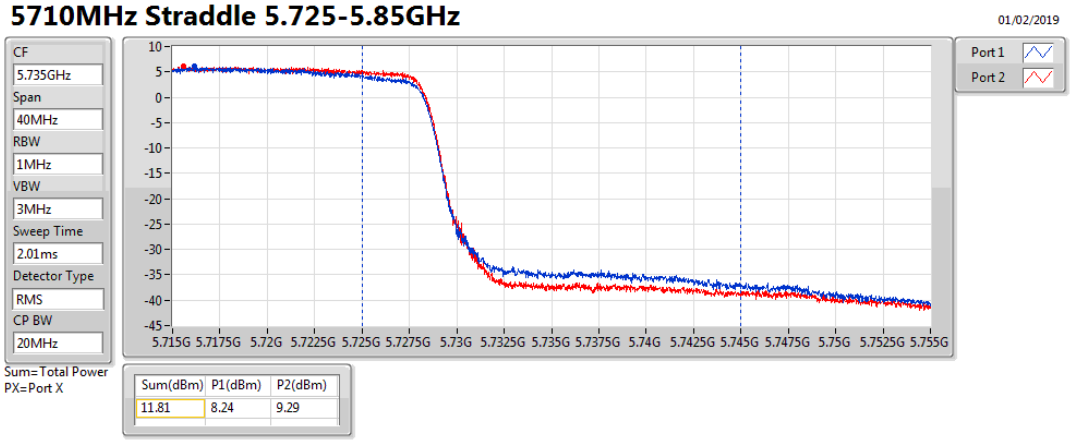
5710MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)
22.92	19.93	19.89

802.11ac VHT40_Nss1,(MCS0)_2TX **AV Power**

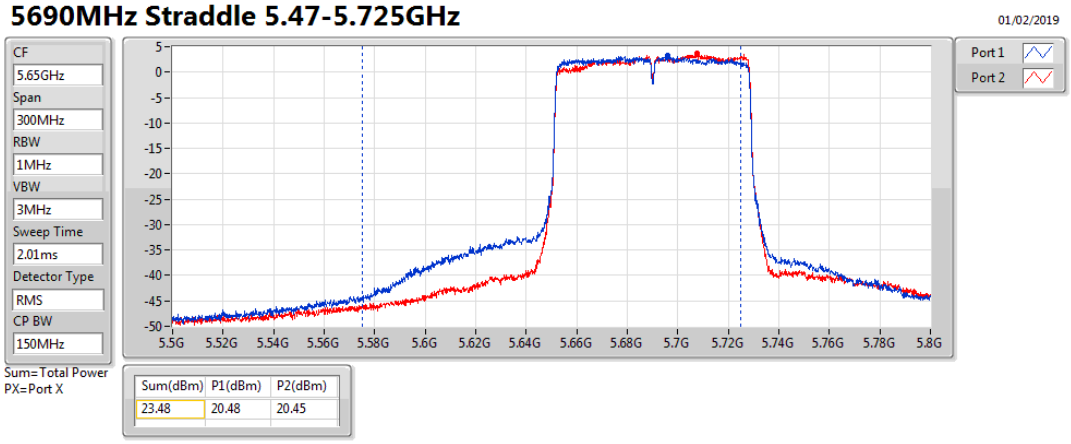
5710MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)
11.81	8.24	9.29

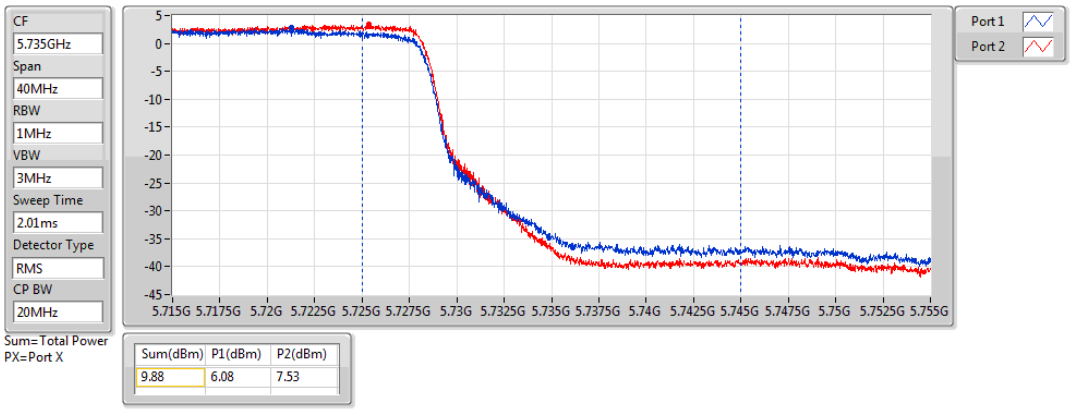
802.11ac VHT80_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.725-5.85GHz



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	7.43	16.94
802.11ac VHT20_Nss1,(MCS0)_2TX	7.47	16.98
802.11ac VHT40_Nss1,(MCS0)_2TX	7.11	16.62
802.11ac VHT80_Nss1,(MCS0)_2TX	3.06	12.57
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	7.46	16.97
802.11ac VHT20_Nss1,(MCS0)_2TX	7.42	16.93
802.11ac VHT40_Nss1,(MCS0)_2TX	7.32	16.83
802.11ac VHT80_Nss1,(MCS0)_2TX	4.20	13.71
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	5.76	15.17
802.11ac VHT20_Nss1,(MCS0)_2TX	5.25	14.66
802.11ac VHT40_Nss1,(MCS0)_2TX	4.82	14.23
802.11ac VHT80_Nss1,(MCS0)_2TX	2.21	11.62

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

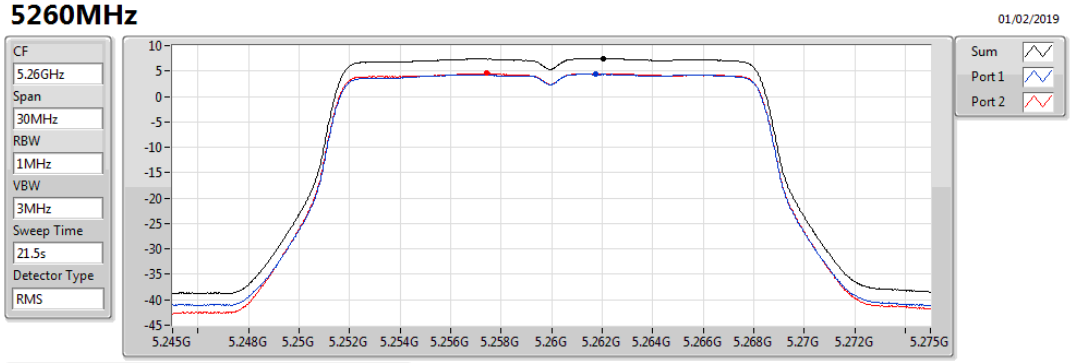
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	9.51	4.35	4.55	7.43	7.49	16.94	17.00
5300MHz	Pass	9.51	4.25	4.25	7.24	7.49	16.75	17.00
5320MHz	Pass	9.51	4.26	4.19	7.23	7.49	16.74	17.00
5500MHz	Pass	9.51	4.05	4.16	7.05	7.49	16.56	17.00
5580MHz	Pass	9.51	4.47	4.57	7.45	7.49	16.96	17.00
5700MHz	Pass	9.51	4.10	4.31	7.07	7.49	16.58	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	9.51	4.56	4.67	7.46	7.49	16.97	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	9.41	2.58	2.94	5.76	26.59	15.17	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	9.51	4.30	4.35	7.15	7.49	16.66	17.00
5300MHz	Pass	9.51	4.74	4.62	7.47	7.49	16.98	17.00
5320MHz	Pass	9.51	4.41	4.63	7.35	7.49	16.86	17.00
5500MHz	Pass	9.51	4.38	4.66	7.42	7.49	16.93	17.00
5580MHz	Pass	9.51	4.13	4.83	7.36	7.49	16.87	17.00
5700MHz	Pass	9.51	4.32	4.71	7.37	7.49	16.88	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	9.51	4.14	4.34	7.24	7.49	16.75	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	9.41	2.60	2.26	5.25	26.59	14.66	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	9.51	4.17	4.06	7.11	7.49	16.62	17.00
5310MHz	Pass	9.51	3.19	3.04	6.11	7.49	15.62	17.00
5510MHz	Pass	9.51	4.19	4.25	7.18	7.49	16.69	17.00
5550MHz	Pass	9.51	4.29	4.47	7.32	7.49	16.83	17.00
5670MHz	Pass	9.51	3.94	4.30	7.06	7.49	16.57	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	9.51	4.13	4.40	7.21	7.49	16.72	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	9.41	1.32	2.33	4.82	26.59	14.23	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	9.51	0.12	-0.02	3.06	7.49	12.57	17.00
5530MHz	Pass	9.51	-0.00	0.12	3.01	7.49	12.52	17.00
5610MHz	Pass	9.51	0.07	0.16	3.05	7.49	12.56	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	9.51	1.36	1.55	4.20	7.49	13.71	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	9.41	-1.45	-0.23	2.21	26.59	11.62	36.00

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

802.11a_Nss1,(6Mbps)_2TX PSD

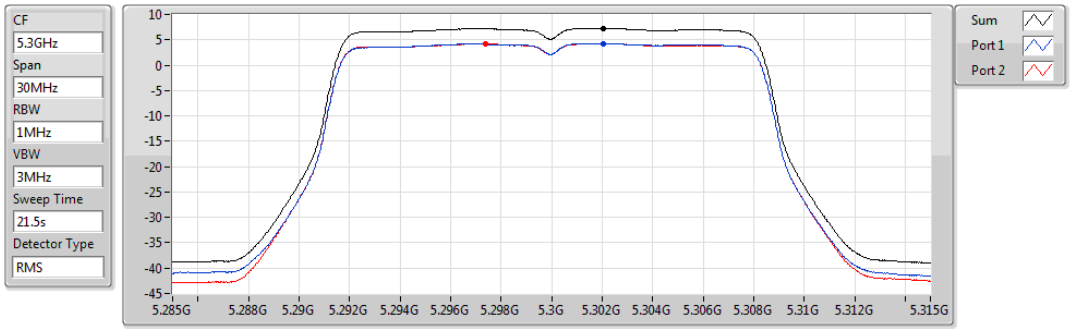
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.43	7.43	4.35	4.55

802.11a_Nss1,(6Mbps)_2TX PSD

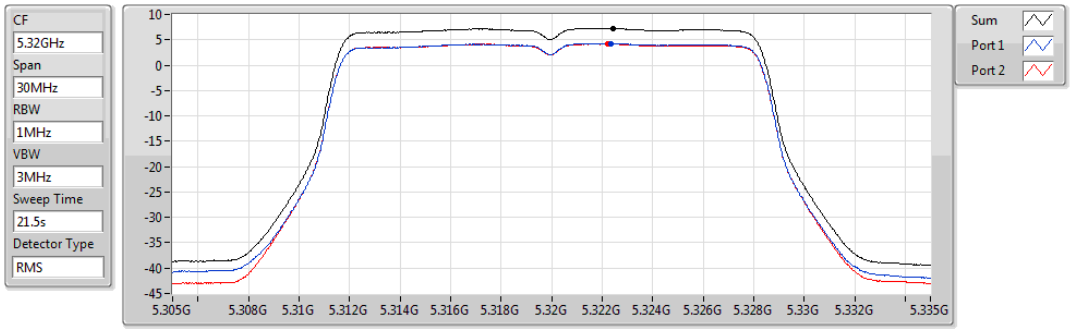
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.24	7.24	4.25	4.25

802.11a_Nss1,(6Mbps)_2TX PSD

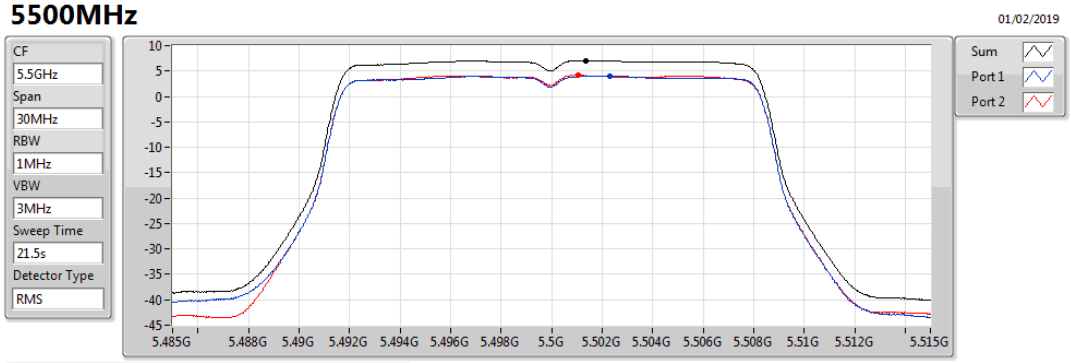
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.23	7.23	4.26	4.19

802.11a_Nss1,(6Mbps)_2TX **PSD**

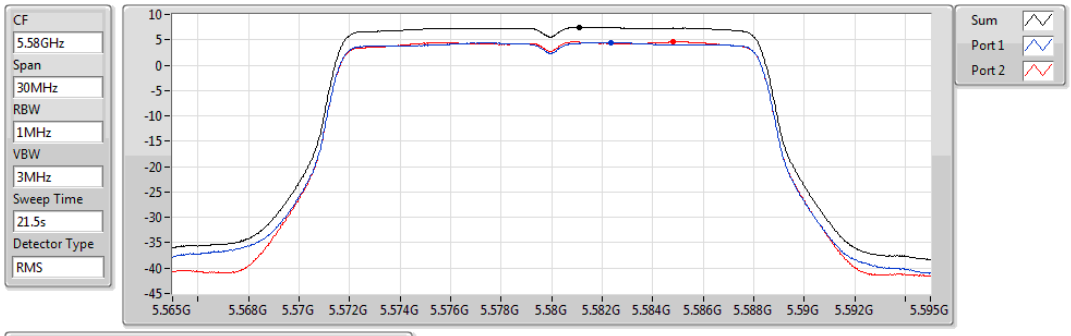
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.05	7.05	4.05	4.16

802.11a_Nss1,(6Mbps)_2TX **PSD**

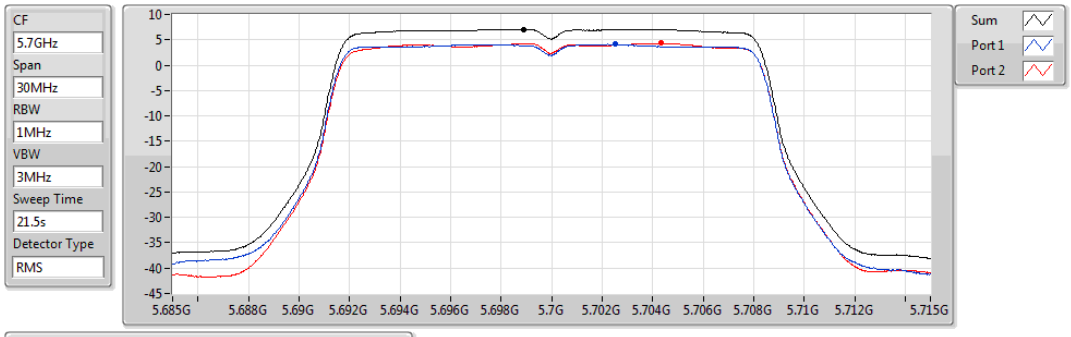
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.45	7.45	4.47	4.57

802.11a_Nss1,(6Mbps)_2TX **PSD**

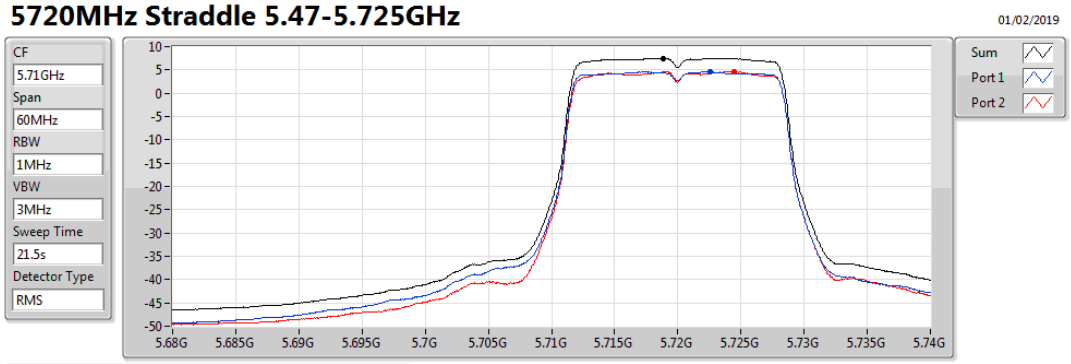
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.07	7.07	4.10	4.31

802.11a_Nss1,(6Mbps)_2TX **PSD**

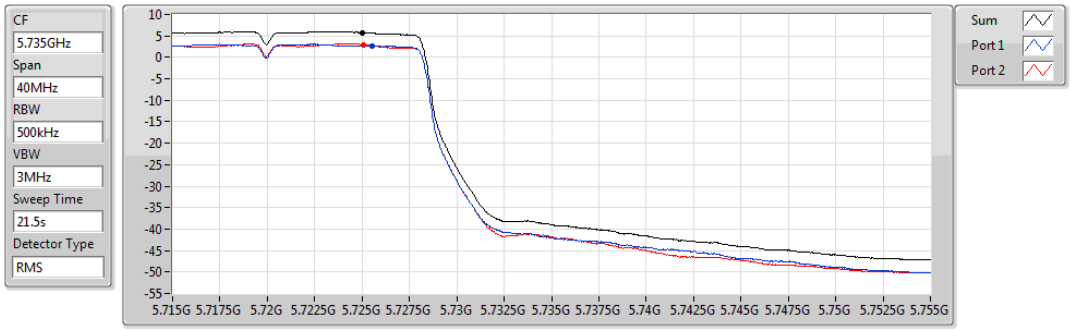
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.46	7.46	4.56	4.67

802.11a_Nss1,(6Mbps)_2TX **PSD**

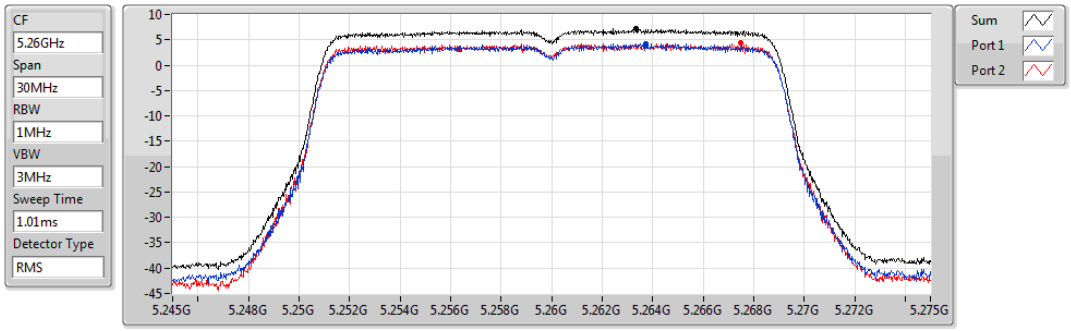
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.76	5.76	2.58	2.94

802.11ac VHT20_Nss1,(MCS0)_2TX **PSD**

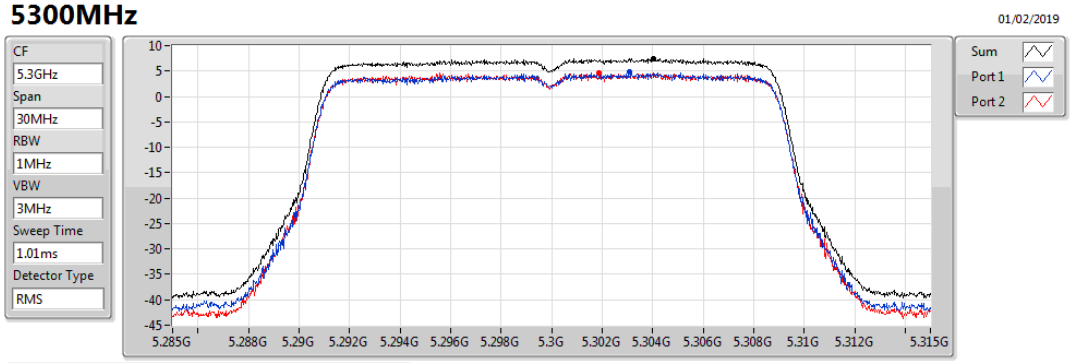
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.15	7.15	4.30	4.35

802.11ac VHT20_Nss1,(MCS0)_2TX **PSD**

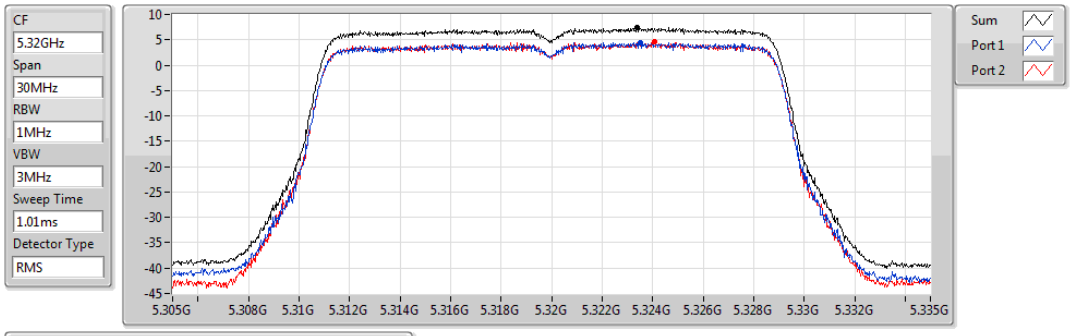
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.47	7.47	4.74	4.62

802.11ac VHT20_Nss1,(MCS0)_2TX **PSD**

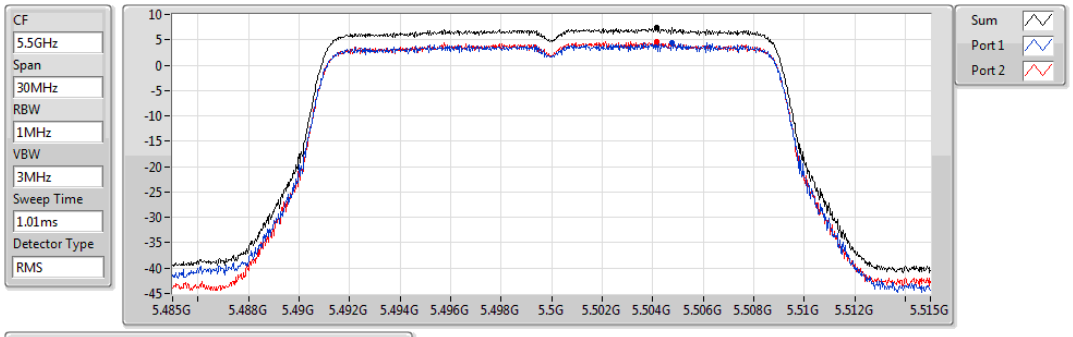
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.35	7.35	4.41	4.63

802.11ac VHT20_Nss1,(MCS0)_2TX **PSD**

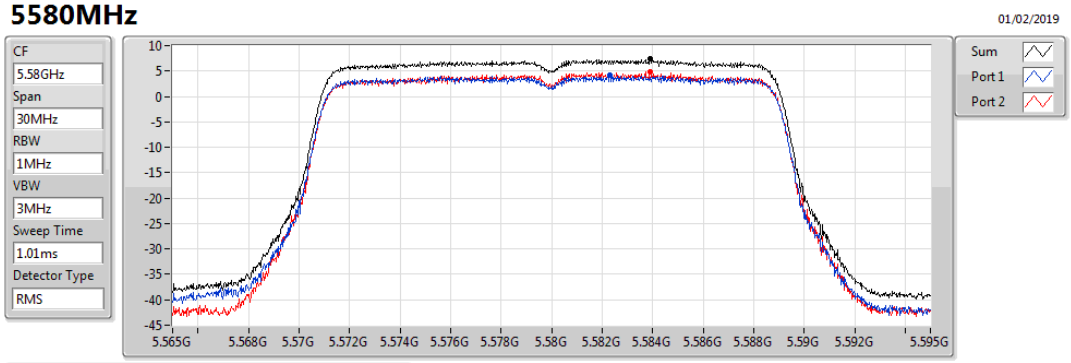
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.42	7.42	4.38	4.66

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

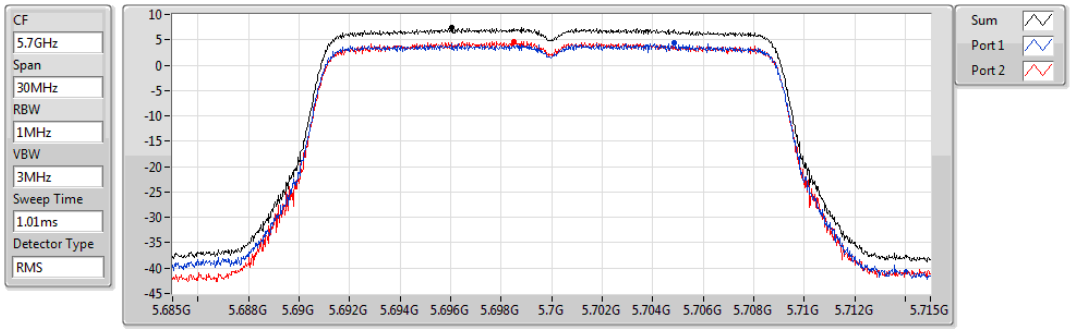
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.36	7.36	4.13	4.83

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

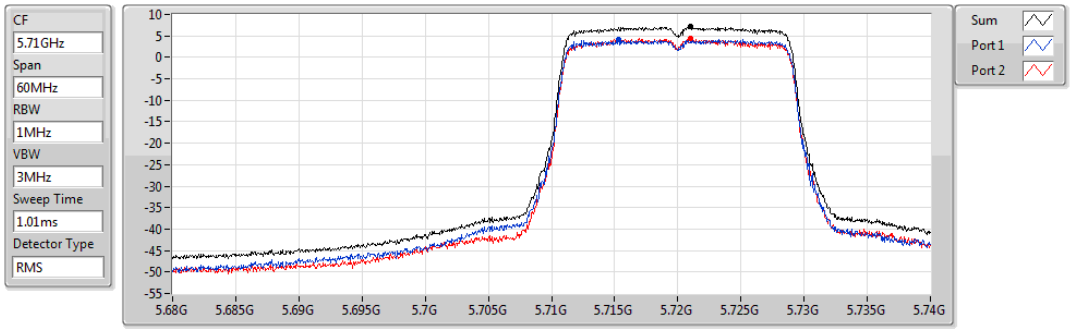
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.37	7.37	4.32	4.71

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

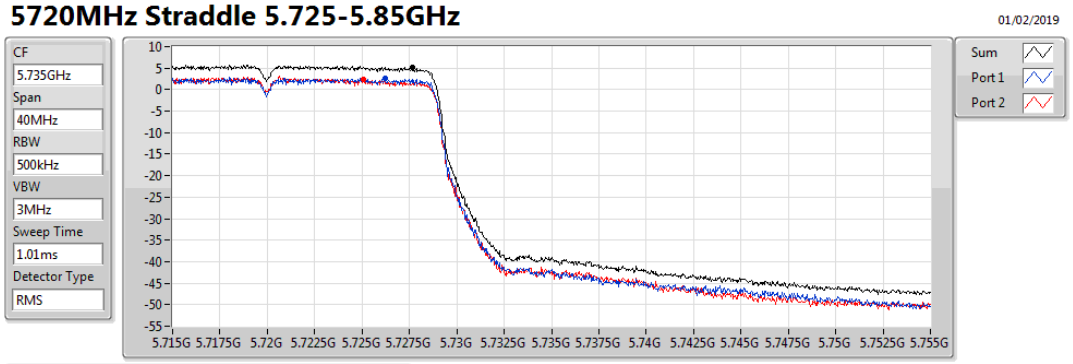
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.24	7.24	4.14	4.34

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

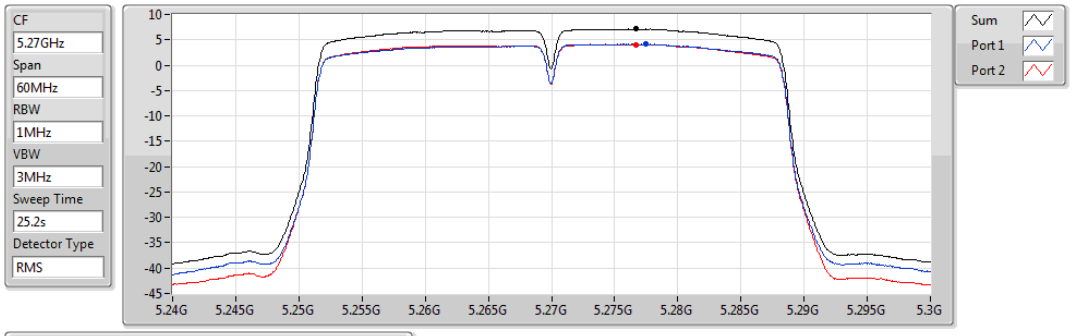
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.25	5.25	2.60	2.26

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

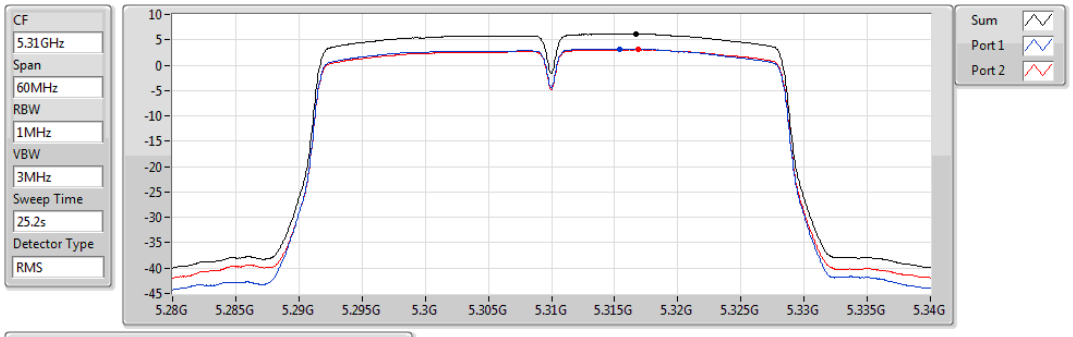
5270MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.11	7.11	4.17	4.06

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

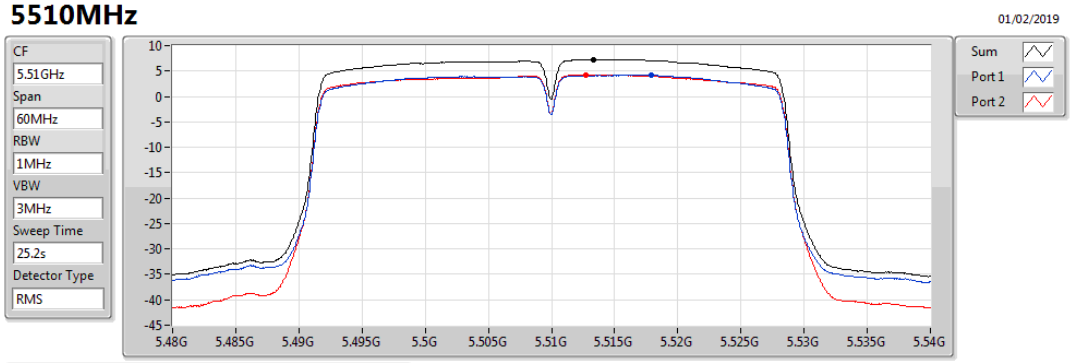
5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.11	6.11	3.19	3.04

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

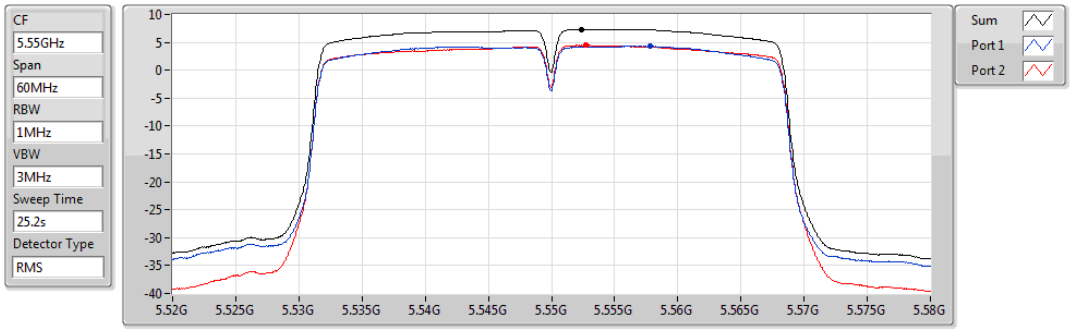
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.18	7.18	4.19	4.25

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

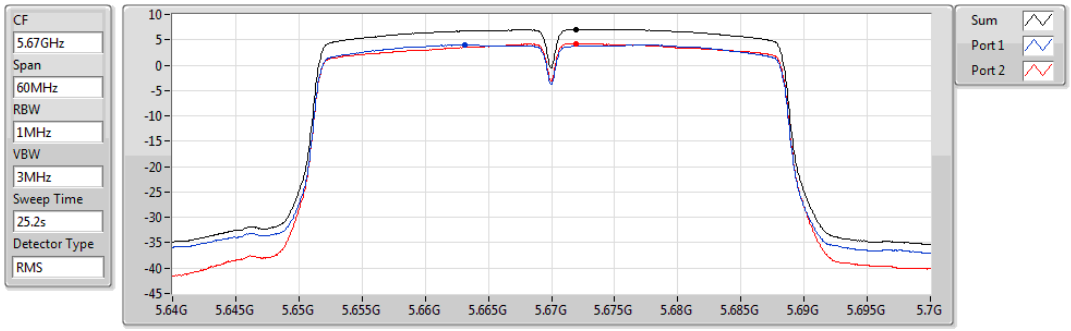
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.32	7.32	4.29	4.47

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

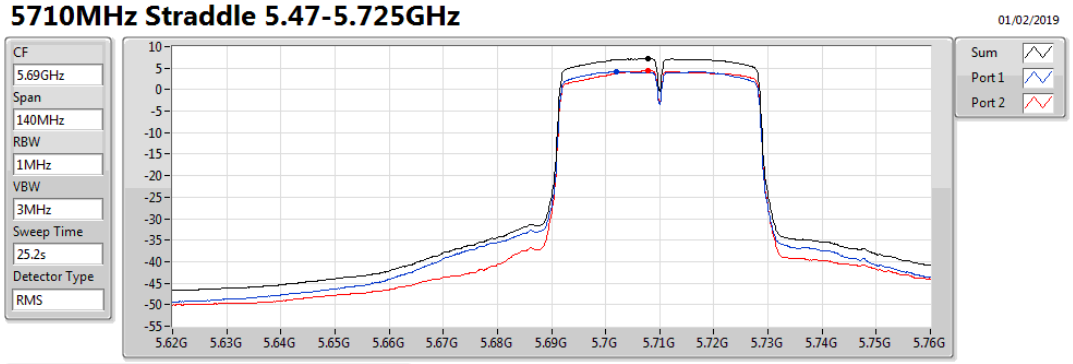
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.06	7.06	3.94	4.30

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

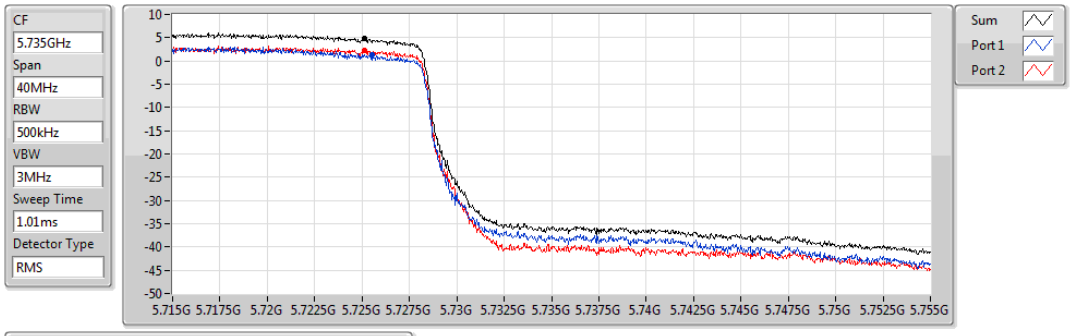
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.21	7.21	4.13	4.40

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

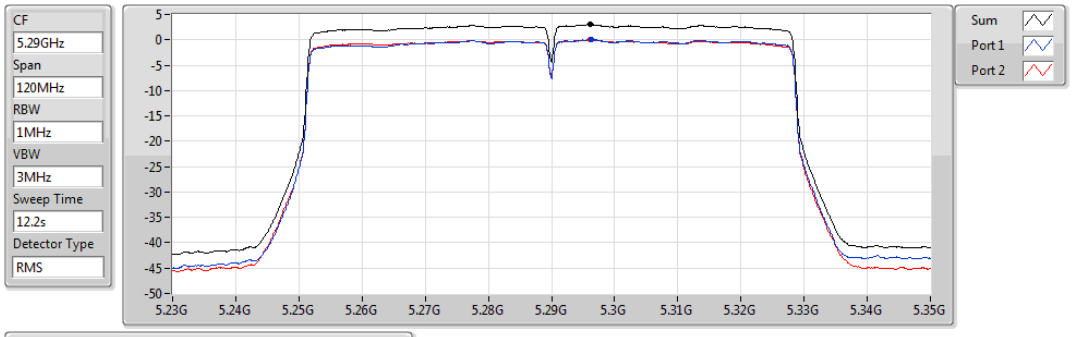
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.82	4.82	1.32	2.33

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

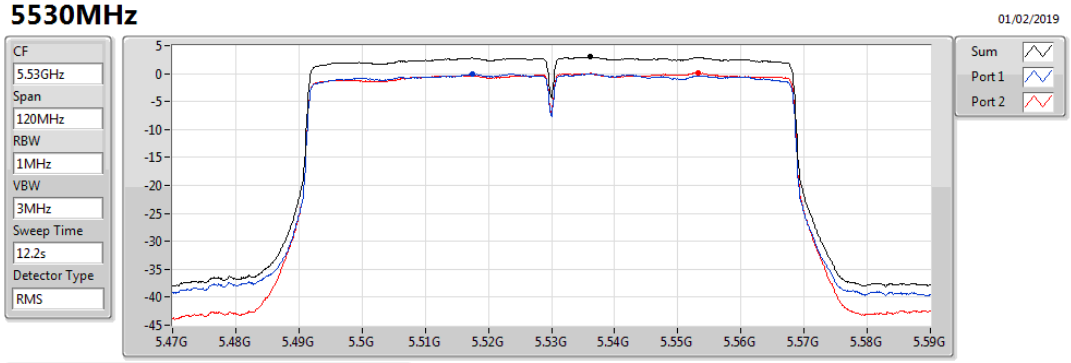
5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.06	3.06	0.12	-0.02

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

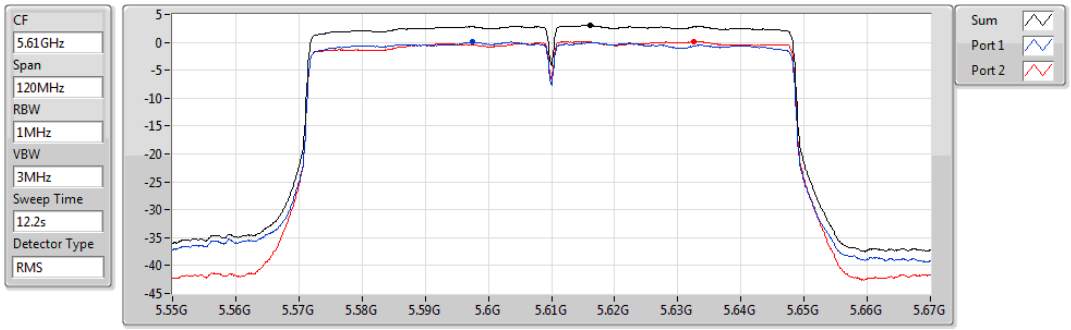
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.01	3.01	-0.00	0.12

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

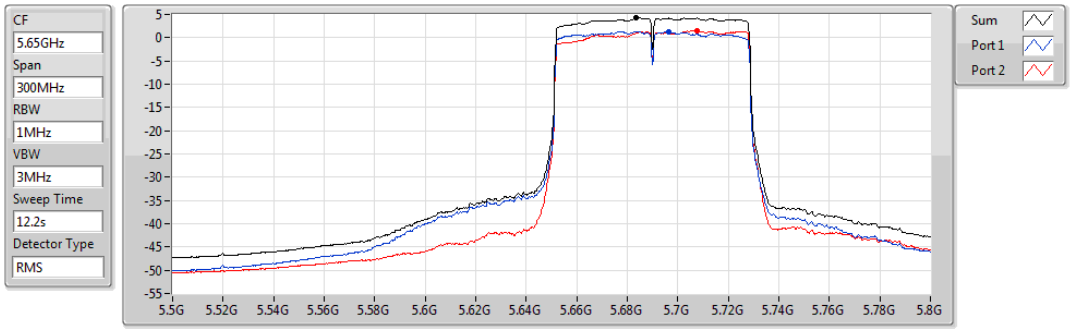
5610MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.05	3.05	0.07	0.16

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

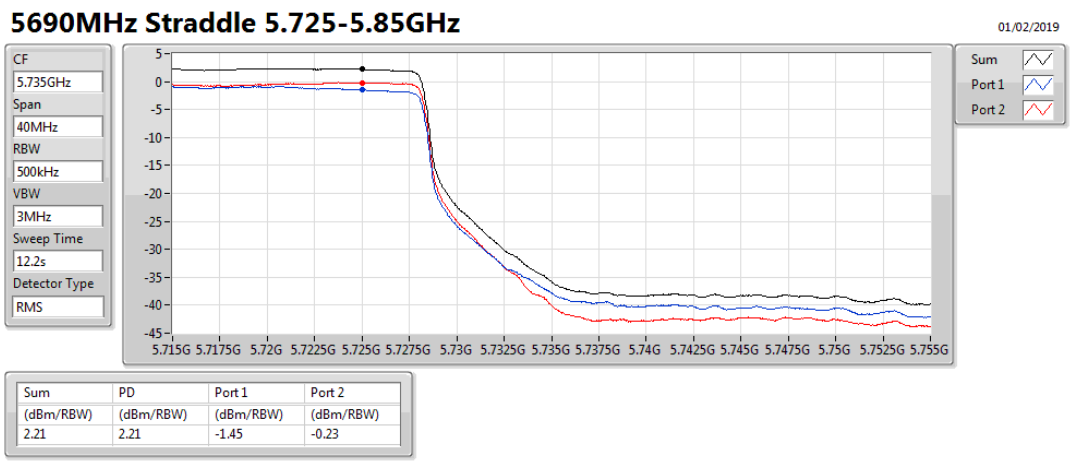
5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.20	4.20	1.36	1.55

802.11ac VHT80_Nss1,(MCS0)_2TX **PSD**

5690MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.21	2.21	-1.45	-0.23

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)_2TX	Pass	AV	5.3508G	53.84	54.00	-0.16	4.39	3	Vertical	337	2.99	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.3556G	53.61	54.00	-0.39	6.77	3	Vertical	7	1.26	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.35G	53.58	54.00	-0.42	6.77	3	Vertical	8	1.35	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.35G	53.81	54.00	-0.19	6.77	3	Vertical	8	1.50	-
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.7252G	68.04	68.20	-0.16	7.53	3	Vertical	17	2.88	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	5.7252G	67.92	68.20	-0.28	7.53	3	Horizontal	7	1.49	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	5.4688G	68.07	68.20	-0.13	6.95	3	Horizontal	9	1.50	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.466G	68.08	68.20	-0.12	6.95	3	Horizontal	9	1.50	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.1358G	47.31	54.00	-6.69	4.11	3	Vertical	334	2.99	-
5260MHz	Pass	AV	5.2558G	104.87	Inf	-Inf	4.27	3	Vertical	334	2.99	-
5260MHz	Pass	AV	5.3764G	47.58	54.00	-6.42	4.43	3	Vertical	334	2.99	-
5260MHz	Pass	PK	5.1268G	60.67	74.00	-13.33	4.11	3	Vertical	334	2.99	-
5260MHz	Pass	PK	5.2618G	115.25	Inf	-Inf	4.28	3	Vertical	334	2.99	-
5260MHz	Pass	PK	5.3818G	59.98	74.00	-14.02	4.43	3	Vertical	334	2.99	-
5260MHz	Pass	AV	5.1358G	47.86	54.00	-6.14	4.11	3	Horizontal	341	1.00	-
5260MHz	Pass	AV	5.2558G	106.34	Inf	-Inf	4.27	3	Horizontal	341	1.00	-
5260MHz	Pass	AV	5.3758G	49.18	54.00	-4.82	4.43	3	Horizontal	341	1.00	-
5260MHz	Pass	PK	5.119G	59.91	74.00	-14.09	4.09	3	Horizontal	341	1.00	-
5260MHz	Pass	PK	5.2654G	117.25	Inf	-Inf	4.29	3	Horizontal	341	1.00	-
5260MHz	Pass	PK	5.3524G	60.46	74.00	-13.54	4.39	3	Horizontal	341	1.00	-
5260MHz	Pass	AV	15.7826G	53.41	54.00	-0.59	14.14	3	Vertical	356	2.95	-
5260MHz	Pass	PK	15.7731G	72.18	74.00	-1.82	14.19	3	Vertical	356	2.95	-
5260MHz	Pass	AV	15.7767G	49.47	54.00	-4.53	14.17	3	Horizontal	61	1.03	-
5260MHz	Pass	PK	15.7712G	66.29	74.00	-7.71	14.20	3	Horizontal	61	1.03	-
5300MHz	Pass	AV	5.3016G	109.71	Inf	-Inf	4.33	3	Vertical	336	2.99	-
5300MHz	Pass	AV	5.3512G	49.98	54.00	-4.02	4.39	3	Vertical	336	2.99	-
5300MHz	Pass	PK	5.3012G	121.51	Inf	-Inf	4.33	3	Vertical	336	2.99	-
5300MHz	Pass	PK	5.3504G	67.08	74.00	-6.92	4.39	3	Vertical	336	2.99	-
5300MHz	Pass	AV	5.3008G	105.49	Inf	-Inf	4.33	3	Horizontal	344	1.00	-
5300MHz	Pass	AV	5.35G	48.58	54.00	-5.42	4.39	3	Horizontal	344	1.00	-
5300MHz	Pass	PK	5.3056G	115.58	Inf	-Inf	4.33	3	Horizontal	344	1.00	-
5300MHz	Pass	PK	5.3512G	63.76	74.00	-10.24	4.39	3	Horizontal	344	1.00	-
5300MHz	Pass	AV	15.90096G	53.25	54.00	-0.75	13.56	3	Vertical	0	2.53	-
5300MHz	Pass	PK	15.89748G	69.93	74.00	-4.07	13.57	3	Vertical	0	2.53	-
5300MHz	Pass	AV	15.8967G	48.20	54.00	-5.80	13.57	3	Horizontal	74	1.00	-
5300MHz	Pass	PK	15.8973G	66.01	74.00	-7.99	13.57	3	Horizontal	74	1.00	-
5320MHz	Pass	AV	5.3216G	107.22	Inf	-Inf	4.35	3	Vertical	337	2.99	-
5320MHz	Pass	AV	5.3508G	53.84	54.00	-0.16	4.39	3	Vertical	337	2.99	-
5320MHz	Pass	PK	5.3212G	118.72	Inf	-Inf	4.35	3	Vertical	337	2.99	-
5320MHz	Pass	PK	5.3516G	70.88	74.00	-3.12	4.39	3	Vertical	337	2.99	-
5320MHz	Pass	AV	5.3246G	103.15	Inf	-Inf	4.35	3	Horizontal	343	2.99	-
5320MHz	Pass	AV	5.35G	51.37	54.00	-2.63	4.39	3	Horizontal	343	2.99	-
5320MHz	Pass	PK	5.3248G	113.33	Inf	-Inf	4.35	3	Horizontal	343	2.99	-
5320MHz	Pass	PK	5.3504G	67.78	74.00	-6.22	4.39	3	Horizontal	343	2.99	-
5320MHz	Pass	AV	15.95628G	46.80	54.00	-7.20	13.27	3	Vertical	360	2.68	-
5320MHz	Pass	PK	15.9609G	66.28	74.00	-7.72	13.25	3	Vertical	360	2.68	-
5320MHz	Pass	AV	15.95766G	45.15	54.00	-8.85	13.27	3	Horizontal	26	1.25	-
5320MHz	Pass	PK	15.95718G	60.93	74.00	-13.07	13.27	3	Horizontal	26	1.25	-
5500MHz	Pass	AV	5.4598G	50.12	54.00	-3.88	6.94	3	Vertical	330	2.68	-
5500MHz	Pass	AV	5.4966G	109.38	Inf	-Inf	6.99	3	Vertical	330	2.68	-
5500MHz	Pass	PK	5.4656G	67.69	68.20	-0.51	6.95	3	Vertical	330	2.68	-
5500MHz	Pass	PK	5.502G	118.76	Inf	-Inf	6.99	3	Vertical	330	2.68	-
5500MHz	Pass	AV	5.4596G	50.76	54.00	-3.24	6.94	3	Horizontal	343	2.32	-
5500MHz	Pass	AV	5.5046G	109.58	Inf	-Inf	7.01	3	Horizontal	343	2.32	-
5500MHz	Pass	PK	5.4698G	66.95	68.20	-1.25	6.95	3	Horizontal	343	2.32	-

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	5.5052G	117.76	Inf	-Inf	7.01	3	Horizontal	343	2.32	-
5500MHz	Pass	AV	16.4942G	45.57	54.00	-8.43	15.88	3	Vertical	49	1.50	-
5500MHz	Pass	PK	16.50748G	57.34	74.00	-16.66	15.94	3	Vertical	49	1.50	-
5500MHz	Pass	AV	16.51266G	45.59	54.00	-8.41	15.95	3	Horizontal	269	1.50	-
5500MHz	Pass	PK	16.49322G	56.86	74.00	-17.14	15.88	3	Horizontal	269	1.50	-
5580MHz	Pass	AV	5.4552G	47.69	54.00	-6.31	6.93	3	Vertical	5	2.58	-
5580MHz	Pass	AV	5.5806G	110.58	Inf	-Inf	7.18	3	Vertical	5	2.58	-
5580MHz	Pass	PK	5.4672G	59.60	68.20	-8.60	6.95	3	Vertical	5	2.58	-
5580MHz	Pass	PK	5.5752G	119.61	Inf	-Inf	7.18	3	Vertical	5	2.58	-
5580MHz	Pass	PK	5.7252G	59.84	68.20	-8.36	7.53	3	Vertical	5	2.58	-
5580MHz	Pass	AV	5.4594G	48.31	54.00	-5.69	6.94	3	Horizontal	345	2.30	-
5580MHz	Pass	AV	5.5848G	112.31	Inf	-Inf	7.19	3	Horizontal	345	2.30	-
5580MHz	Pass	PK	5.4696G	59.45	68.20	-8.75	6.95	3	Horizontal	345	2.30	-
5580MHz	Pass	PK	5.5848G	121.70	Inf	-Inf	7.19	3	Horizontal	345	2.30	-
5580MHz	Pass	PK	5.7252G	60.36	68.20	-7.84	7.53	3	Horizontal	345	2.30	-
5580MHz	Pass	AV	16.74552G	53.82	54.00	-0.18	16.76	3	Vertical	355	2.81	-
5580MHz	Pass	PK	16.75002G	70.85	74.00	-3.15	16.78	3	Vertical	355	2.81	-
5580MHz	Pass	AV	16.74366G	50.62	54.00	-3.38	16.76	3	Horizontal	13	1.75	-
5580MHz	Pass	PK	16.74318G	66.57	74.00	-7.43	16.76	3	Horizontal	13	1.75	-
5700MHz	Pass	AV	5.6948G	105.46	Inf	-Inf	7.45	3	Vertical	17	2.88	-
5700MHz	Pass	PK	5.7052G	114.23	Inf	-Inf	7.49	3	Vertical	17	2.88	-
5700MHz	Pass	PK	5.7252G	68.04	68.20	-0.16	7.53	3	Vertical	17	2.88	-
5700MHz	Pass	AV	5.6988G	107.98	Inf	-Inf	7.47	3	Horizontal	355	1.94	-
5700MHz	Pass	PK	5.7044G	116.57	Inf	-Inf	7.49	3	Horizontal	355	1.94	-
5700MHz	Pass	PK	5.7252G	67.71	68.20	-0.49	7.53	3	Horizontal	355	1.94	-
5700MHz	Pass	AV	17.10204G	47.67	54.00	-6.33	18.45	3	Vertical	331	2.64	-
5700MHz	Pass	PK	17.09496G	59.71	74.00	-14.29	18.40	3	Vertical	331	2.64	-
5700MHz	Pass	AV	17.09324G	47.02	54.00	-6.98	18.39	3	Horizontal	71	1.29	-
5700MHz	Pass	PK	17.1088G	59.24	74.00	-14.76	18.50	3	Horizontal	71	1.29	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4248G	47.64	54.00	-6.36	6.88	3	Vertical	41	2.29	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7236G	109.15	Inf	-Inf	7.52	3	Vertical	41	2.29	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4332G	59.35	74.00	-14.65	6.89	3	Vertical	41	2.29	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.714G	118.21	Inf	-Inf	7.50	3	Vertical	41	2.29	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8616G	60.93	68.20	-7.27	7.85	3	Vertical	41	2.29	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.432G	48.02	54.00	-5.98	6.89	3	Horizontal	355	1.94	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7188G	112.05	Inf	-Inf	7.51	3	Horizontal	355	1.94	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.444G	59.72	74.00	-14.28	6.91	3	Horizontal	355	1.94	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7188G	120.30	Inf	-Inf	7.51	3	Horizontal	355	1.94	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.99G	60.68	68.20	-7.52	8.16	3	Horizontal	355	1.94	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	17.16G	51.52	54.00	-2.48	18.90	3	Vertical	25	1.59	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.17014G	66.70	74.00	-7.30	18.98	3	Vertical	25	1.59	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	17.15598G	51.04	54.00	-2.96	18.87	3	Horizontal	13	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.1606G	66.54	74.00	-7.46	18.90	3	Horizontal	13	1.50	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.1352G	47.62	54.00	-6.38	6.45	3	Vertical	7	1.33	-
5260MHz	Pass	AV	5.2612G	112.19	Inf	-Inf	6.64	3	Vertical	7	1.33	-
5260MHz	Pass	AV	5.3758G	49.61	54.00	-4.39	6.82	3	Vertical	7	1.33	-
5260MHz	Pass	PK	5.1424G	59.12	74.00	-14.88	6.46	3	Vertical	7	1.33	-
5260MHz	Pass	PK	5.2612G	120.94	Inf	-Inf	6.64	3	Vertical	7	1.33	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	PK	5.3848G	59.58	74.00	-14.42	6.83	3	Vertical	7	1.33	-
5260MHz	Pass	AV	5.15G	47.49	54.00	-6.51	6.47	3	Horizontal	345	1.46	-
5260MHz	Pass	AV	5.2654G	110.73	Inf	-Inf	6.65	3	Horizontal	345	1.46	-
5260MHz	Pass	AV	5.3764G	49.24	54.00	-4.76	6.82	3	Horizontal	345	1.46	-
5260MHz	Pass	PK	5.149G	59.71	74.00	-14.29	6.47	3	Horizontal	345	1.46	-
5260MHz	Pass	PK	5.2654G	120.30	Inf	-Inf	6.65	3	Horizontal	345	1.46	-
5260MHz	Pass	PK	5.3758G	59.97	74.00	-14.03	6.82	3	Horizontal	345	1.46	-
5260MHz	Pass	AV	15.7734G	53.51	54.00	-0.49	14.87	3	Vertical	31	1.51	-
5260MHz	Pass	PK	15.77046G	68.69	74.00	-5.31	14.88	3	Vertical	31	1.51	-
5260MHz	Pass	AV	15.7869G	52.33	54.00	-1.67	14.83	3	Horizontal	24	1.52	-
5260MHz	Pass	PK	15.78876G	67.57	74.00	-6.43	14.82	3	Horizontal	24	1.52	-
5300MHz	Pass	AV	5.3012G	111.15	Inf	-Inf	6.69	3	Vertical	7	1.31	-
5300MHz	Pass	AV	5.3568G	52.79	54.00	-1.21	6.78	3	Vertical	7	1.31	-
5300MHz	Pass	PK	5.302G	120.56	Inf	-Inf	6.69	3	Vertical	7	1.31	-
5300MHz	Pass	PK	5.3568G	67.64	74.00	-6.36	6.78	3	Vertical	7	1.31	-
5300MHz	Pass	AV	5.3068G	109.26	Inf	-Inf	6.70	3	Horizontal	345	1.47	-
5300MHz	Pass	AV	5.35G	53.35	54.00	-0.65	6.77	3	Horizontal	345	1.47	-
5300MHz	Pass	PK	5.308G	118.73	Inf	-Inf	6.70	3	Horizontal	345	1.47	-
5300MHz	Pass	PK	5.3508G	66.61	74.00	-7.39	6.77	3	Horizontal	345	1.47	-
5300MHz	Pass	AV	15.90588G	48.76	54.00	-5.24	14.45	3	Vertical	0	2.21	-
5300MHz	Pass	PK	15.888G	64.35	74.00	-9.65	14.51	3	Vertical	0	2.21	-
5300MHz	Pass	AV	15.90605G	50.99	54.00	-3.01	14.45	3	Horizontal	23	1.54	-
5300MHz	Pass	PK	15.90605G	61.53	74.00	-12.47	14.45	3	Horizontal	23	1.54	-
5320MHz	Pass	AV	5.322G	108.94	Inf	-Inf	6.72	3	Vertical	7	1.26	-
5320MHz	Pass	AV	5.3556G	53.61	54.00	-0.39	6.77	3	Vertical	7	1.26	-
5320MHz	Pass	PK	5.321G	118.67	Inf	-Inf	6.72	3	Vertical	7	1.26	-
5320MHz	Pass	PK	5.3582G	68.39	74.00	-5.61	6.78	3	Vertical	7	1.26	-
5320MHz	Pass	AV	5.3214G	107.08	Inf	-Inf	6.72	3	Horizontal	18	1.43	-
5320MHz	Pass	AV	5.3568G	52.67	54.00	-1.33	6.78	3	Horizontal	18	1.43	-
5320MHz	Pass	PK	5.3208G	116.45	Inf	-Inf	6.72	3	Horizontal	18	1.43	-
5320MHz	Pass	PK	5.3574G	67.07	74.00	-6.93	6.78	3	Horizontal	18	1.43	-
5320MHz	Pass	AV	15.96678G	44.08	54.00	-9.92	14.26	3	Vertical	345	1.96	-
5320MHz	Pass	PK	15.96984G	58.94	74.00	-15.06	14.25	3	Vertical	345	1.96	-
5320MHz	Pass	AV	15.9663G	43.87	54.00	-10.13	14.26	3	Horizontal	21	1.56	-
5320MHz	Pass	PK	15.94722G	58.81	74.00	-15.19	14.32	3	Horizontal	21	1.56	-
5500MHz	Pass	AV	5.4594G	52.03	54.00	-1.97	6.94	3	Vertical	6	1.31	-
5500MHz	Pass	AV	5.4972G	107.89	Inf	-Inf	6.99	3	Vertical	6	1.31	-
5500MHz	Pass	PK	5.4602G	65.92	68.20	-2.28	6.94	3	Vertical	6	1.31	-
5500MHz	Pass	PK	5.496G	117.80	Inf	-Inf	6.99	3	Vertical	6	1.31	-
5500MHz	Pass	AV	5.4596G	52.78	54.00	-1.22	6.94	3	Horizontal	10	1.48	-
5500MHz	Pass	AV	5.498G	110.00	Inf	-Inf	6.99	3	Horizontal	10	1.48	-
5500MHz	Pass	PK	5.4604G	67.54	68.20	-0.66	6.94	3	Horizontal	10	1.48	-
5500MHz	Pass	PK	5.4988G	119.11	Inf	-Inf	6.99	3	Horizontal	10	1.48	-
5500MHz	Pass	AV	16.49628G	45.36	54.00	-8.64	15.89	3	Vertical	16	3.08	-
5500MHz	Pass	PK	16.49718G	58.88	74.00	-15.12	15.89	3	Vertical	16	3.08	-
5500MHz	Pass	PK	16.51266G	57.37	74.00	-16.63	15.95	3	Horizontal	250	1.50	-
5500MHz	Pass	AV	16.5144G	45.04	54.00	-8.96	15.96	3	Horizontal	250	1.50	-
5580MHz	Pass	AV	5.448G	47.49	54.00	-6.51	6.91	3	Vertical	343	1.50	-
5580MHz	Pass	AV	5.5818G	108.97	Inf	-Inf	7.19	3	Vertical	343	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5580MHz	Pass	PK	5.4678G	59.01	68.20	-9.19	6.95	3	Vertical	343	1.50	-
5580MHz	Pass	PK	5.583G	118.65	Inf	-Inf	7.20	3	Vertical	343	1.50	-
5580MHz	Pass	PK	5.7258G	59.29	68.20	-8.91	7.53	3	Vertical	343	1.50	-
5580MHz	Pass	AV	5.442G	47.75	54.00	-6.25	6.91	3	Horizontal	8	1.46	-
5580MHz	Pass	AV	5.5776G	113.21	Inf	-Inf	7.18	3	Horizontal	8	1.46	-
5580MHz	Pass	PK	5.4672G	58.60	68.20	-9.60	6.95	3	Horizontal	8	1.46	-
5580MHz	Pass	PK	5.5776G	122.27	Inf	-Inf	7.18	3	Horizontal	8	1.46	-
5580MHz	Pass	PK	5.7276G	59.96	68.20	-8.24	7.54	3	Horizontal	8	1.46	-
5580MHz	Pass	AV	16.73706G	53.34	54.00	-0.66	16.74	3	Vertical	343	1.04	-
5580MHz	Pass	PK	16.73388G	68.31	74.00	-5.69	16.73	3	Vertical	343	1.04	-
5580MHz	Pass	AV	16.7376G	49.77	54.00	-4.23	16.74	3	Horizontal	331	1.50	-
5580MHz	Pass	PK	16.73646G	64.89	74.00	-9.11	16.73	3	Horizontal	331	1.50	-
5700MHz	Pass	AV	5.6972G	105.62	Inf	-Inf	7.47	3	Vertical	318	1.64	-
5700MHz	Pass	PK	5.698G	115.70	Inf	-Inf	7.47	3	Vertical	318	1.64	-
5700MHz	Pass	PK	5.7352G	65.50	68.20	-2.70	7.56	3	Vertical	318	1.64	-
5700MHz	Pass	AV	5.698G	108.64	Inf	-Inf	7.47	3	Horizontal	7	1.49	-
5700MHz	Pass	PK	5.6956G	118.55	Inf	-Inf	7.45	3	Horizontal	7	1.49	-
5700MHz	Pass	PK	5.7252G	67.92	68.20	-0.28	7.53	3	Horizontal	7	1.49	-
5700MHz	Pass	AV	17.09976G	47.03	54.00	-6.97	18.44	3	Vertical	135	1.06	-
5700MHz	Pass	PK	17.09394G	59.19	74.00	-14.81	18.39	3	Vertical	135	1.06	-
5700MHz	Pass	PK	17.09544G	64.77	74.00	-9.23	18.40	3	Horizontal	343	1.50	-
5700MHz	Pass	AV	17.09526G	47.34	54.00	-6.66	18.40	3	Horizontal	343	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4212G	47.44	54.00	-6.56	6.87	3	Vertical	322	1.64	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7164G	108.37	Inf	-Inf	7.50	3	Vertical	322	1.64	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4572G	59.24	74.00	-14.76	6.93	3	Vertical	322	1.64	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7152G	117.54	Inf	-Inf	7.50	3	Vertical	322	1.64	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9636G	60.97	68.20	-7.23	8.09	3	Vertical	322	1.64	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.42G	47.45	54.00	-6.55	6.87	3	Horizontal	6	1.49	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7152G	111.38	Inf	-Inf	7.50	3	Horizontal	6	1.49	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4404G	58.92	74.00	-15.08	6.90	3	Horizontal	6	1.49	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7152G	121.06	Inf	-Inf	7.50	3	Horizontal	6	1.49	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9012G	61.10	68.20	-7.10	7.94	3	Horizontal	6	1.49	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	17.16138G	49.27	54.00	-4.73	18.91	3	Vertical	333	1.51	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.1606G	63.04	74.00	-10.96	18.90	3	Vertical	333	1.51	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	17.16282G	51.76	54.00	-2.24	18.92	3	Horizontal	342	1.49	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.16108G	67.45	74.00	-6.55	18.90	3	Horizontal	342	1.49	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	AV	5.2676G	106.26	Inf	-Inf	6.65	3	Vertical	0	1.42	-
5270MHz	Pass	AV	5.35G	53.24	54.00	-0.76	6.77	3	Vertical	0	1.42	-
5270MHz	Pass	PK	5.2676G	114.80	Inf	-Inf	6.65	3	Vertical	0	1.42	-
5270MHz	Pass	PK	5.35G	65.00	74.00	-9.00	6.77	3	Vertical	0	1.42	-
5270MHz	Pass	AV	5.2764G	105.87	Inf	-Inf	6.66	3	Horizontal	346	1.45	-
5270MHz	Pass	AV	5.3568G	52.92	54.00	-1.08	6.78	3	Horizontal	346	1.45	-
5270MHz	Pass	PK	5.2772G	114.50	Inf	-Inf	6.66	3	Horizontal	346	1.45	-
5270MHz	Pass	PK	5.3552G	65.80	74.00	-8.20	6.77	3	Horizontal	346	1.45	-
5270MHz	Pass	AV	15.80034G	46.58	54.00	-7.42	14.79	3	Vertical	30	1.46	-
5270MHz	Pass	PK	15.81966G	58.90	74.00	-15.10	14.73	3	Vertical	30	1.46	-
5270MHz	Pass	AV	15.81702G	47.43	54.00	-6.57	14.73	3	Horizontal	23	1.54	-
5270MHz	Pass	PK	15.8196G	60.23	74.00	-13.77	14.73	3	Horizontal	23	1.54	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5310MHz	Pass	AV	5.3116G	102.18	Inf	-Inf	6.71	3	Vertical	8	1.35	-
5310MHz	Pass	AV	5.35G	53.58	54.00	-0.42	6.77	3	Vertical	8	1.35	-
5310MHz	Pass	PK	5.3124G	111.05	Inf	-Inf	6.71	3	Vertical	8	1.35	-
5310MHz	Pass	PK	5.3508G	64.28	74.00	-9.72	6.77	3	Vertical	8	1.35	-
5310MHz	Pass	AV	5.318G	101.55	Inf	-Inf	6.71	3	Horizontal	348	1.56	-
5310MHz	Pass	AV	5.3564G	51.16	54.00	-2.84	6.78	3	Horizontal	348	1.56	-
5310MHz	Pass	PK	5.3188G	110.79	Inf	-Inf	6.72	3	Horizontal	348	1.56	-
5310MHz	Pass	PK	5.3552G	62.80	74.00	-11.20	6.77	3	Horizontal	348	1.56	-
5310MHz	Pass	AV	15.9156G	43.93	54.00	-10.07	14.42	3	Vertical	125	1.50	-
5310MHz	Pass	PK	15.92538G	55.82	74.00	-18.18	14.39	3	Vertical	125	1.50	-
5310MHz	Pass	AV	15.92298G	43.97	54.00	-10.03	14.39	3	Horizontal	325	1.50	-
5310MHz	Pass	PK	15.927G	55.95	74.00	-18.05	14.39	3	Horizontal	325	1.50	-
5510MHz	Pass	AV	5.4484G	50.15	54.00	-3.85	6.91	3	Vertical	7	1.28	-
5510MHz	Pass	AV	5.5072G	102.43	Inf	-Inf	7.01	3	Vertical	7	1.28	-
5510MHz	Pass	PK	5.4688G	67.49	68.20	-0.71	6.95	3	Vertical	7	1.28	-
5510MHz	Pass	PK	5.5088G	111.39	Inf	-Inf	7.01	3	Vertical	7	1.28	-
5510MHz	Pass	AV	5.4512G	50.48	54.00	-3.52	6.93	3	Horizontal	11	1.49	-
5510MHz	Pass	AV	5.508G	104.29	Inf	-Inf	7.01	3	Horizontal	11	1.49	-
5510MHz	Pass	PK	5.4668G	67.57	68.20	-0.63	6.95	3	Horizontal	11	1.49	-
5510MHz	Pass	PK	5.508G	112.88	Inf	-Inf	7.01	3	Horizontal	11	1.49	-
5510MHz	Pass	AV	16.54434G	45.61	54.00	-8.39	16.06	3	Vertical	273	1.50	-
5510MHz	Pass	PK	16.5213G	57.30	74.00	-16.70	15.98	3	Vertical	273	1.50	-
5510MHz	Pass	AV	16.54362G	45.61	54.00	-8.39	16.06	3	Horizontal	199	1.42	-
5510MHz	Pass	PK	16.53786G	57.69	74.00	-16.31	16.04	3	Horizontal	199	1.42	-
5550MHz	Pass	AV	5.456G	49.45	54.00	-4.55	6.93	3	Vertical	342	1.50	-
5550MHz	Pass	AV	5.5516G	104.71	Inf	-Inf	7.11	3	Vertical	342	1.50	-
5550MHz	Pass	PK	5.468G	62.75	68.20	-5.45	6.95	3	Vertical	342	1.50	-
5550MHz	Pass	PK	5.5524G	113.57	Inf	-Inf	7.11	3	Vertical	342	1.50	-
5550MHz	Pass	AV	5.4504G	50.48	54.00	-3.52	6.93	3	Horizontal	9	1.50	-
5550MHz	Pass	AV	5.548G	108.46	Inf	-Inf	7.11	3	Horizontal	9	1.50	-
5550MHz	Pass	PK	5.4688G	68.07	68.20	-0.13	6.95	3	Horizontal	9	1.50	-
5550MHz	Pass	PK	5.5476G	117.68	Inf	-Inf	7.11	3	Horizontal	9	1.50	-
5550MHz	Pass	AV	16.64628G	46.95	54.00	-7.05	16.42	3	Vertical	17	1.27	-
5550MHz	Pass	PK	16.6617G	58.84	74.00	-15.16	16.47	3	Vertical	17	1.27	-
5550MHz	Pass	AV	16.6404G	46.59	54.00	-7.41	16.40	3	Horizontal	25	2.94	-
5550MHz	Pass	PK	16.64406G	58.36	74.00	-15.64	16.41	3	Horizontal	25	2.94	-
5670MHz	Pass	AV	5.6634G	101.78	Inf	-Inf	7.38	3	Vertical	0	1.16	-
5670MHz	Pass	PK	5.664G	110.43	Inf	-Inf	7.38	3	Vertical	0	1.16	-
5670MHz	Pass	PK	5.7258G	62.75	68.20	-5.45	7.53	3	Vertical	0	1.16	-
5670MHz	Pass	AV	5.667G	105.42	Inf	-Inf	7.39	3	Horizontal	8	1.50	-
5670MHz	Pass	PK	5.6676G	114.77	Inf	-Inf	7.39	3	Horizontal	8	1.50	-
5670MHz	Pass	PK	5.7288G	66.93	68.20	-1.27	7.54	3	Horizontal	8	1.50	-
5670MHz	Pass	AV	17.00712G	46.96	54.00	-7.04	17.72	3	Vertical	23	2.05	-
5670MHz	Pass	PK	17.00178G	58.64	74.00	-15.36	17.67	3	Vertical	23	2.05	-
5670MHz	Pass	AV	17.00784G	46.96	54.00	-7.04	17.72	3	Horizontal	332	1.58	-
5670MHz	Pass	PK	17.00634G	59.43	74.00	-14.57	17.70	3	Horizontal	332	1.58	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.4124G	47.76	54.00	-6.24	6.87	3	Vertical	25	2.94	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7136G	105.58	Inf	-Inf	7.50	3	Vertical	25	2.94	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4568G	58.74	74.00	-15.26	6.93	3	Vertical	25	2.94	-

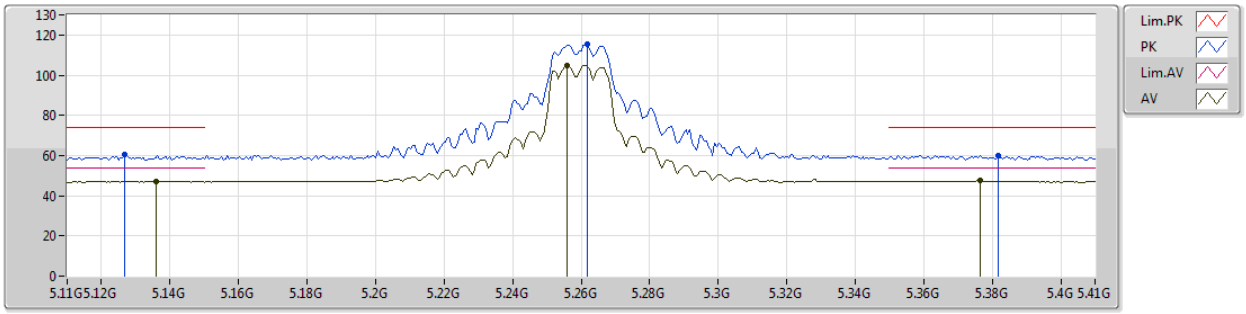
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.7136G	113.83	Inf	-Inf	7.50	3	Vertical	25	2.94	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.98G	62.20	68.20	-6.00	8.13	3	Vertical	25	2.94	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.416G	47.94	54.00	-6.06	6.87	3	Horizontal	8	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7052G	108.20	Inf	-Inf	7.49	3	Horizontal	8	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4256G	58.51	74.00	-15.49	6.89	3	Horizontal	8	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.704G	117.05	Inf	-Inf	7.49	3	Horizontal	8	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.9524G	60.99	68.20	-7.21	8.06	3	Horizontal	8	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	17.1303G	48.68	54.00	-5.32	18.67	3	Vertical	0	2.61	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	17.13204G	61.66	74.00	-12.34	18.68	3	Vertical	0	2.61	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	17.13618G	49.68	54.00	-4.32	18.71	3	Horizontal	356	1.32	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	17.13642G	62.42	74.00	-11.58	18.72	3	Horizontal	356	1.32	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	AV	5.136G	48.48	54.00	-5.52	6.45	3	Vertical	8	1.50	-
5290MHz	Pass	AV	5.292G	98.99	Inf	-Inf	6.68	3	Vertical	8	1.50	-
5290MHz	Pass	AV	5.35G	53.81	54.00	-0.19	6.77	3	Vertical	8	1.50	-
5290MHz	Pass	PK	5.075G	59.14	74.00	-14.86	6.36	3	Vertical	8	1.50	-
5290MHz	Pass	PK	5.294G	107.42	Inf	-Inf	6.69	3	Vertical	8	1.50	-
5290MHz	Pass	PK	5.46G	59.93	68.20	-8.27	6.94	3	Vertical	8	1.50	-
5290MHz	Pass	AV	5.149G	48.15	54.00	-5.85	6.47	3	Horizontal	347	1.37	-
5290MHz	Pass	AV	5.297G	98.11	Inf	-Inf	6.69	3	Horizontal	347	1.37	-
5290MHz	Pass	AV	5.356G	52.66	54.00	-1.34	6.77	3	Horizontal	347	1.37	-
5290MHz	Pass	PK	5.142G	59.67	74.00	-14.33	6.46	3	Horizontal	347	1.37	-
5290MHz	Pass	PK	5.297G	106.82	Inf	-Inf	6.69	3	Horizontal	347	1.37	-
5290MHz	Pass	PK	5.461G	60.98	68.20	-7.22	6.94	3	Horizontal	347	1.37	-
5290MHz	Pass	AV	15.8697G	44.33	54.00	-9.67	14.56	3	Vertical	249	1.52	-
5290MHz	Pass	PK	15.86987G	55.81	74.00	-18.19	14.56	3	Vertical	249	1.52	-
5290MHz	Pass	AV	15.87014G	44.44	54.00	-9.56	14.56	3	Horizontal	36	2.23	-
5290MHz	Pass	PK	15.8713G	56.41	74.00	-17.59	14.56	3	Horizontal	36	2.23	-
5530MHz	Pass	AV	5.46G	52.29	54.00	-1.71	6.94	3	Vertical	0	1.50	-
5530MHz	Pass	AV	5.543G	96.63	Inf	-Inf	7.10	3	Vertical	0	1.50	-
5530MHz	Pass	PK	5.467G	64.47	68.20	-3.73	6.95	3	Vertical	0	1.50	-
5530MHz	Pass	PK	5.524G	105.51	Inf	-Inf	7.04	3	Vertical	0	1.50	-
5530MHz	Pass	PK	5.742G	61.23	68.20	-6.97	7.56	3	Vertical	0	1.50	-
5530MHz	Pass	AV	5.448G	53.62	54.00	-0.38	6.91	3	Horizontal	9	1.50	-
5530MHz	Pass	AV	5.547G	100.62	Inf	-Inf	7.11	3	Horizontal	9	1.50	-
5530MHz	Pass	PK	5.466G	68.08	68.20	-0.12	6.95	3	Horizontal	9	1.50	-
5530MHz	Pass	PK	5.525G	109.22	Inf	-Inf	7.04	3	Horizontal	9	1.50	-
5530MHz	Pass	PK	5.748G	60.90	68.20	-7.30	7.58	3	Horizontal	9	1.50	-
5530MHz	Pass	AV	16.59195G	46.12	54.00	-7.88	16.23	3	Vertical	97	2.31	-
5530MHz	Pass	PK	16.59044G	57.97	74.00	-16.03	16.23	3	Vertical	97	2.31	-
5530MHz	Pass	AV	16.59038G	45.91	54.00	-8.09	16.23	3	Horizontal	247	1.29	-
5530MHz	Pass	PK	16.58888G	57.71	74.00	-16.29	16.22	3	Horizontal	247	1.29	-
5610MHz	Pass	AV	5.375G	49.61	54.00	-4.39	6.81	3	Vertical	6	1.50	-
5610MHz	Pass	AV	5.604G	100.35	Inf	-Inf	7.25	3	Vertical	6	1.50	-
5610MHz	Pass	PK	5.468G	62.49	68.20	-5.71	6.95	3	Vertical	6	1.50	-
5610MHz	Pass	PK	5.605G	108.78	Inf	-Inf	7.25	3	Vertical	6	1.50	-
5610MHz	Pass	PK	5.727G	64.48	68.20	-3.72	7.54	3	Vertical	6	1.50	-
5610MHz	Pass	AV	5.448G	49.82	54.00	-4.18	6.91	3	Horizontal	8	1.50	-
5610MHz	Pass	AV	5.607G	103.65	Inf	-Inf	7.25	3	Horizontal	8	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5610MHz	Pass	PK	5.466G	64.19	68.20	-4.01	6.95	3	Horizontal	8	1.50	-
5610MHz	Pass	PK	5.606G	113.18	Inf	-Inf	7.25	3	Horizontal	8	1.50	-
5610MHz	Pass	PK	5.727G	67.97	68.20	-0.23	7.54	3	Horizontal	8	1.50	-
5610MHz	Pass	AV	16.83107G	46.95	54.00	-7.05	17.07	3	Vertical	100	1.57	-
5610MHz	Pass	PK	16.82923G	58.62	74.00	-15.38	17.06	3	Vertical	100	1.57	-
5610MHz	Pass	AV	16.83213G	46.83	54.00	-7.17	17.07	3	Horizontal	113	1.64	-
5610MHz	Pass	PK	16.82775G	58.08	74.00	-15.92	17.05	3	Horizontal	113	1.64	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4692G	48.94	54.00	-5.06	6.95	3	Vertical	318	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.6876G	103.76	Inf	-Inf	7.43	3	Vertical	318	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4524G	60.39	74.00	-13.61	6.93	3	Vertical	318	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.6864G	112.33	Inf	-Inf	7.43	3	Vertical	318	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8508G	66.48	68.20	-1.72	7.82	3	Vertical	318	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4644G	50.79	54.00	-3.21	6.95	3	Horizontal	0	1.30	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.7056G	107.03	Inf	-Inf	7.49	3	Horizontal	0	1.30	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4644G	62.85	74.00	-11.15	6.95	3	Horizontal	0	1.30	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.6852G	116.95	Inf	-Inf	7.43	3	Horizontal	0	1.30	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8508G	67.63	68.20	-0.57	7.82	3	Horizontal	0	1.30	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	17.06929G	47.89	54.00	-6.11	18.20	3	Vertical	315	1.67	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	17.06765G	59.84	74.00	-14.16	18.19	3	Vertical	315	1.67	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	17.07063G	47.69	54.00	-6.31	18.21	3	Horizontal	261	2.18	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	17.07174G	59.73	74.00	-14.27	18.22	3	Horizontal	261	2.18	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

01/02/2019

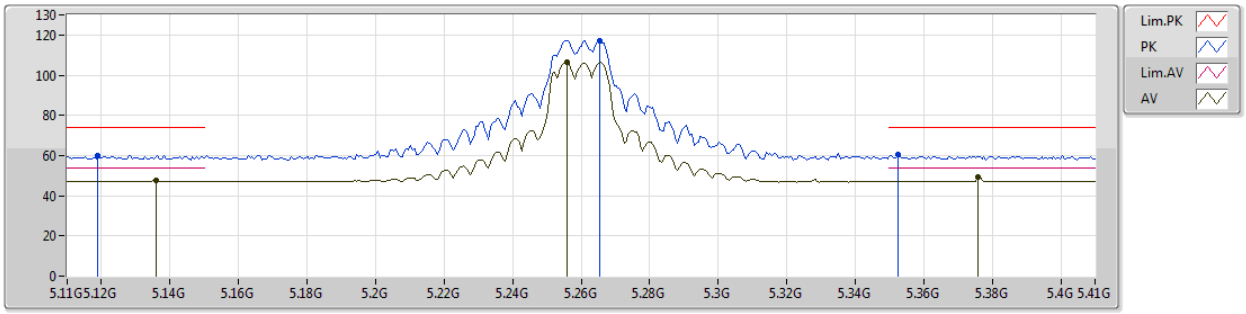


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1358G	47.31	54.00	-6.69	4.11	3	Vertical	334	2.99	-
AV	5.2558G	104.87	Inf	-Inf	4.27	3	Vertical	334	2.99	-
AV	5.3764G	47.58	54.00	-6.42	4.43	3	Vertical	334	2.99	-
PK	5.1268G	60.67	74.00	-13.33	4.11	3	Vertical	334	2.99	-
PK	5.2618G	115.25	Inf	-Inf	4.28	3	Vertical	334	2.99	-
PK	5.3818G	59.98	74.00	-14.02	4.43	3	Vertical	334	2.99	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

01/02/2019

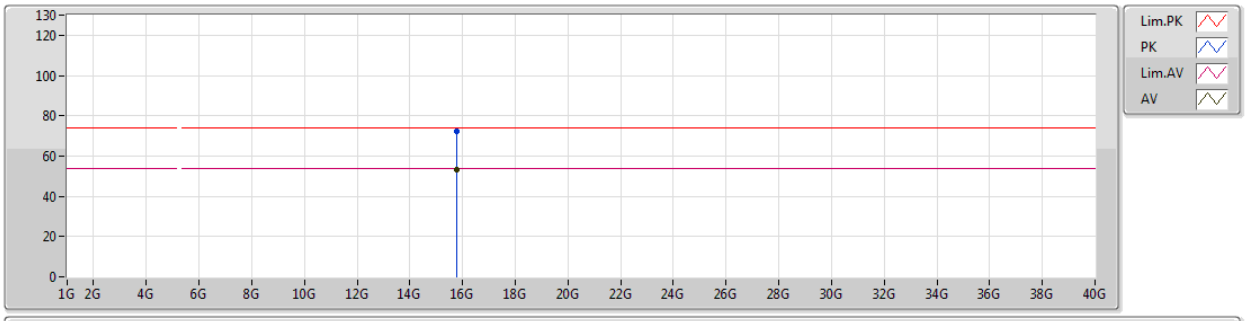


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1358G	47.86	54.00	-6.14	4.11	3	Horizontal	341	1.00	-
AV	5.2558G	106.34	Inf	-Inf	4.27	3	Horizontal	341	1.00	-
AV	5.3758G	49.18	54.00	-4.82	4.43	3	Horizontal	341	1.00	-
PK	5.119G	59.91	74.00	-14.09	4.09	3	Horizontal	341	1.00	-
PK	5.2654G	117.25	Inf	-Inf	4.29	3	Horizontal	341	1.00	-
PK	5.3524G	60.46	74.00	-13.54	4.39	3	Horizontal	341	1.00	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

01/02/2019

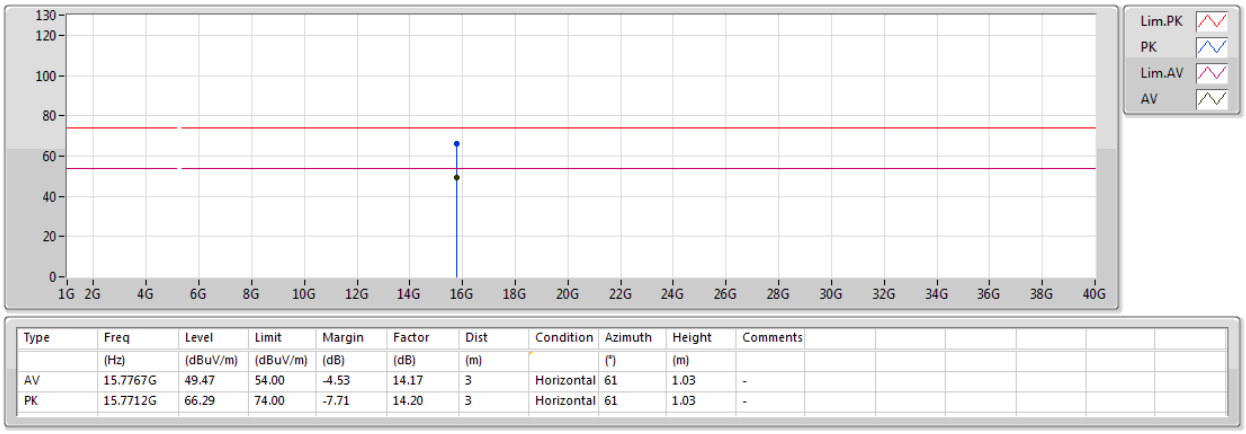


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.7826G	53.41	54.00	-0.59	14.14	3	Vertical	356	2.95	-
PK	15.7731G	72.18	74.00	-1.82	14.19	3	Vertical	356	2.95	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

01/02/2019

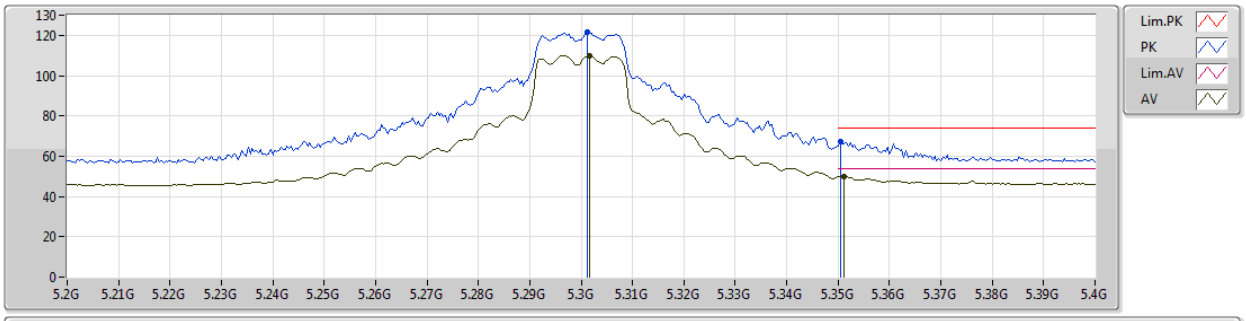


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.7767G	49.47	54.00	-4.53	14.17	3	Horizontal	61	1.03	-
PK	15.7712G	66.29	74.00	-7.71	14.20	3	Horizontal	61	1.03	-

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

01/02/2019

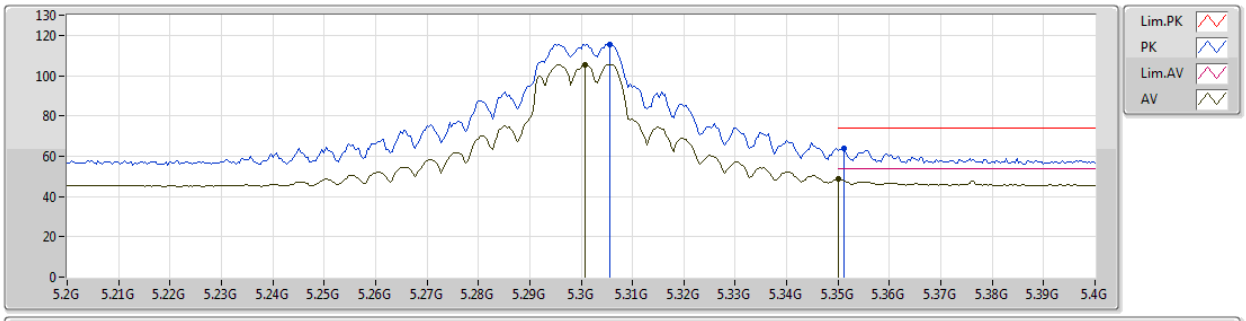


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3016G	109.71	Inf	-Inf	4.33	3	Vertical	336	2.99	-
AV	5.3512G	49.98	54.00	-4.02	4.39	3	Vertical	336	2.99	-
PK	5.3012G	121.51	Inf	-Inf	4.33	3	Vertical	336	2.99	-
PK	5.3504G	67.08	74.00	-6.92	4.39	3	Vertical	336	2.99	-

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

01/02/2019

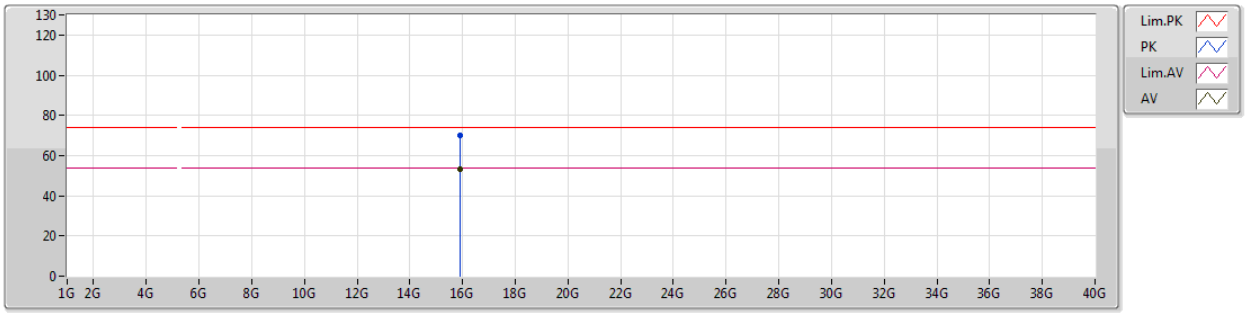


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3008G	105.49	Inf	-Inf	4.33	3	Horizontal	344	1.00	-
AV	5.35G	48.58	54.00	-5.42	4.39	3	Horizontal	344	1.00	-
PK	5.3056G	115.58	Inf	-Inf	4.33	3	Horizontal	344	1.00	-
PK	5.3512G	63.76	74.00	-10.24	4.39	3	Horizontal	344	1.00	-

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

01/02/2019

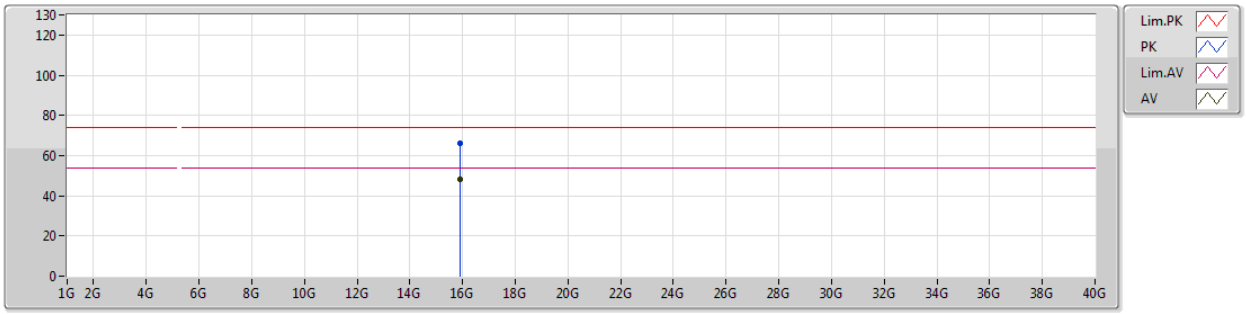


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.90096G	53.25	54.00	-0.75	13.56	3	Vertical	0	2.53	-
PK	15.89748G	69.93	74.00	-4.07	13.57	3	Vertical	0	2.53	-

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

01/02/2019

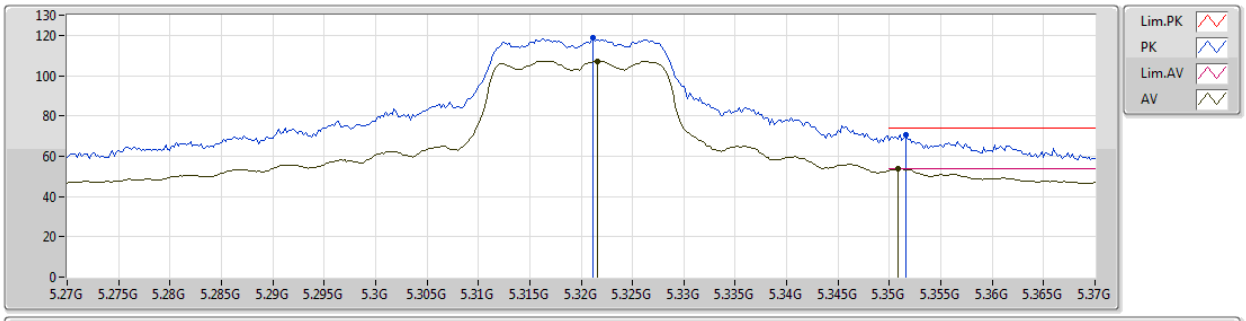


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.8967G	48.20	54.00	-5.80	13.57	3	Horizontal	74	1.00	-
PK	15.8973G	66.01	74.00	-7.99	13.57	3	Horizontal	74	1.00	-

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

01/02/2019

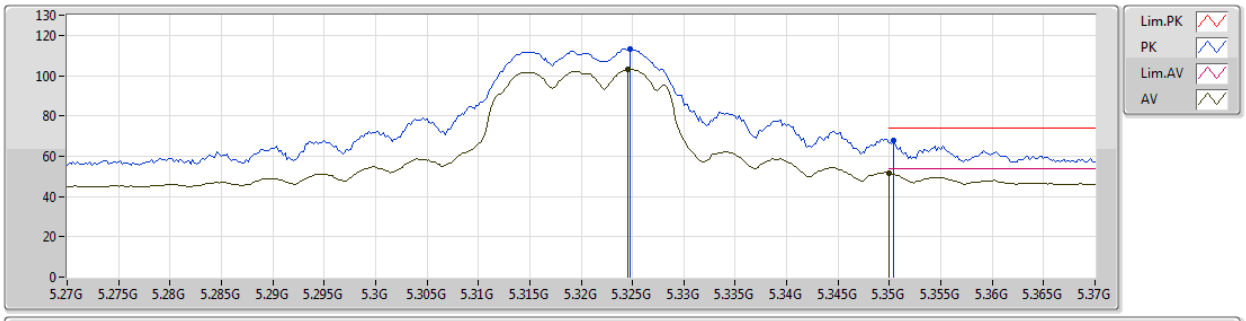


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3216G	107.22	Inf	-Inf	4.35	3	Vertical	337	2.99	-
AV	5.3508G	53.84	54.00	-0.16	4.39	3	Vertical	337	2.99	-
PK	5.3212G	118.72	Inf	-Inf	4.35	3	Vertical	337	2.99	-
PK	5.3516G	70.88	74.00	-3.12	4.39	3	Vertical	337	2.99	-

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

01/02/2019

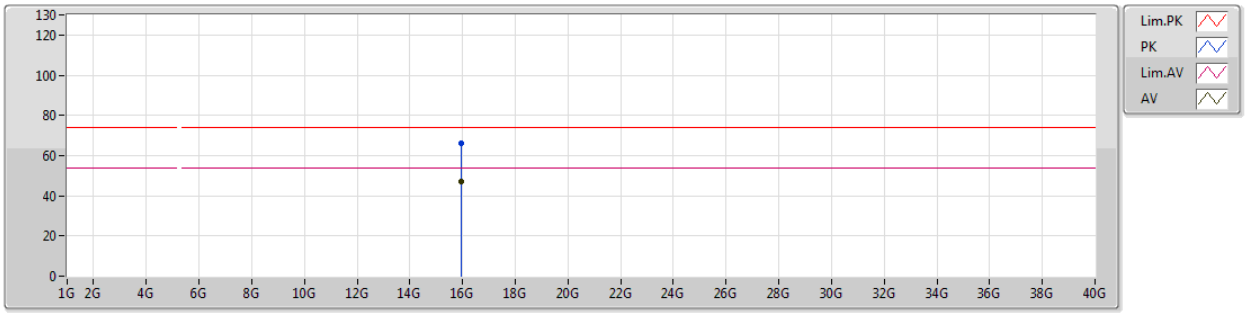


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3246G	103.15	Inf	-Inf	4.35	3	Horizontal	343	2.99	-
AV	5.35G	51.37	54.00	-2.63	4.39	3	Horizontal	343	2.99	-
PK	5.3248G	113.33	Inf	-Inf	4.35	3	Horizontal	343	2.99	-
PK	5.3504G	67.78	74.00	-6.22	4.39	3	Horizontal	343	2.99	-

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

01/02/2019

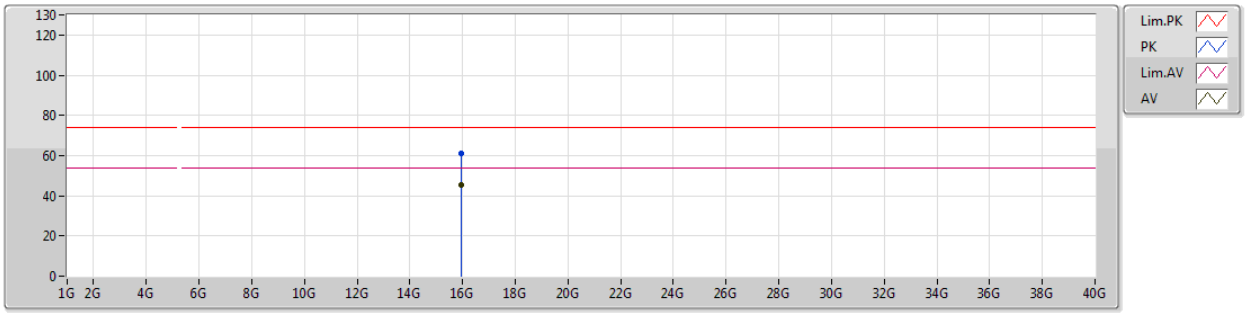


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.95628G	46.80	54.00	-7.20	13.27	3	Vertical	360	2.68	-
PK	15.9609G	66.28	74.00	-7.72	13.25	3	Vertical	360	2.68	-

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

01/02/2019

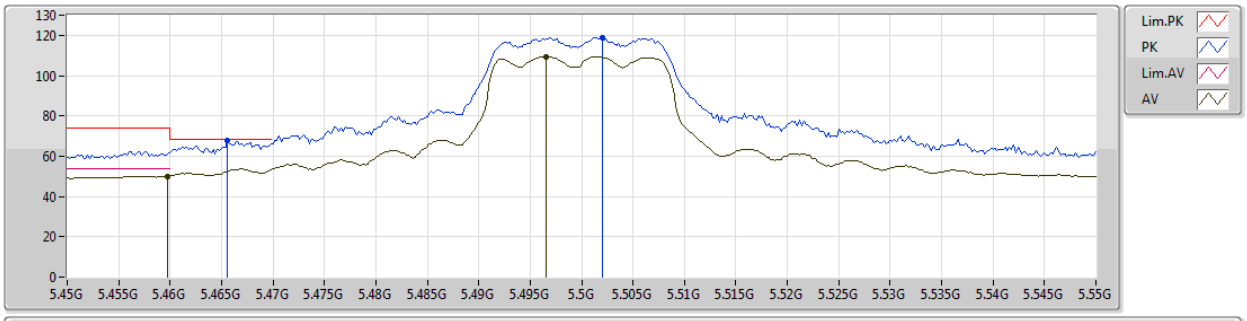


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.95766G	45.15	54.00	-8.85	13.27	3	Horizontal	26	1.25	-
PK	15.95718G	60.93	74.00	-13.07	13.27	3	Horizontal	26	1.25	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

01/02/2019

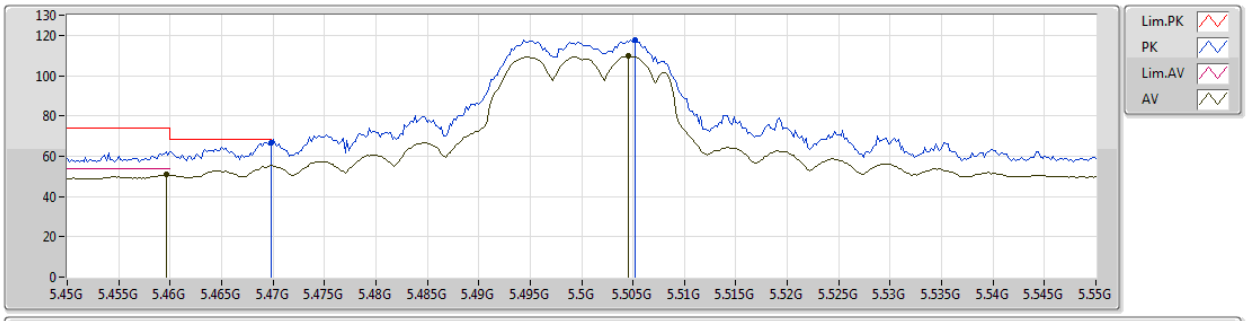


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4598G	50.12	54.00	-3.88	6.94	3	Vertical	330	2.68	-
AV	5.4966G	109.38	Inf	-Inf	6.99	3	Vertical	330	2.68	-
PK	5.4656G	67.69	68.20	-0.51	6.95	3	Vertical	330	2.68	-
PK	5.502G	118.76	Inf	-Inf	6.99	3	Vertical	330	2.68	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

01/02/2019

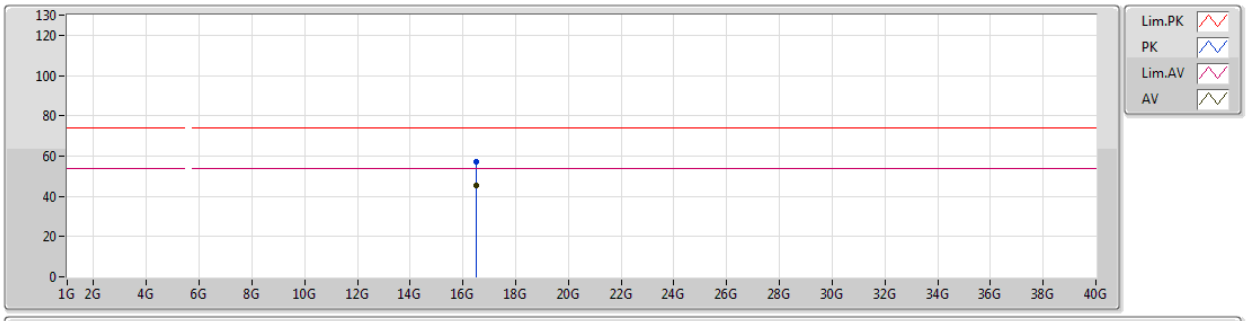


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4596G	50.76	54.00	-3.24	6.94	3	Horizontal	343	2.32	-
AV	5.5046G	109.58	Inf	-Inf	7.01	3	Horizontal	343	2.32	-
PK	5.4698G	66.95	68.20	-1.25	6.95	3	Horizontal	343	2.32	-
PK	5.5052G	117.76	Inf	-Inf	7.01	3	Horizontal	343	2.32	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

01/02/2019

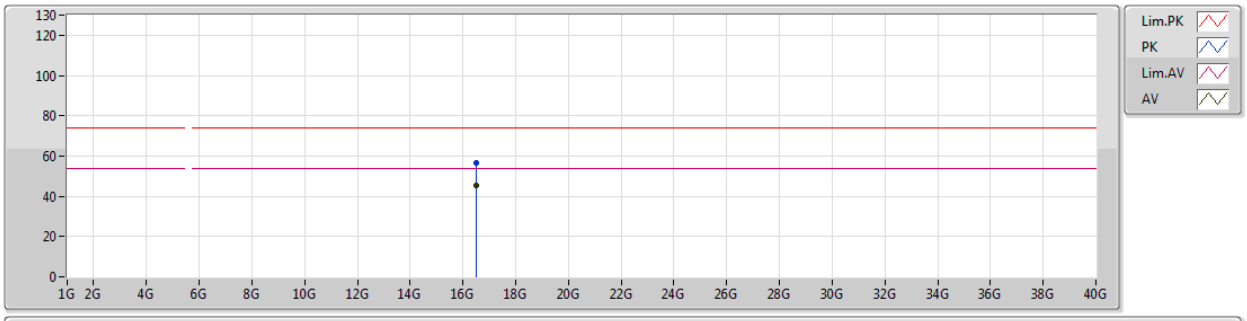


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.4942G	45.57	54.00	-8.43	15.88	3	Vertical	49	1.50	-
PK	16.50748G	57.34	74.00	-16.66	15.94	3	Vertical	49	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

01/02/2019

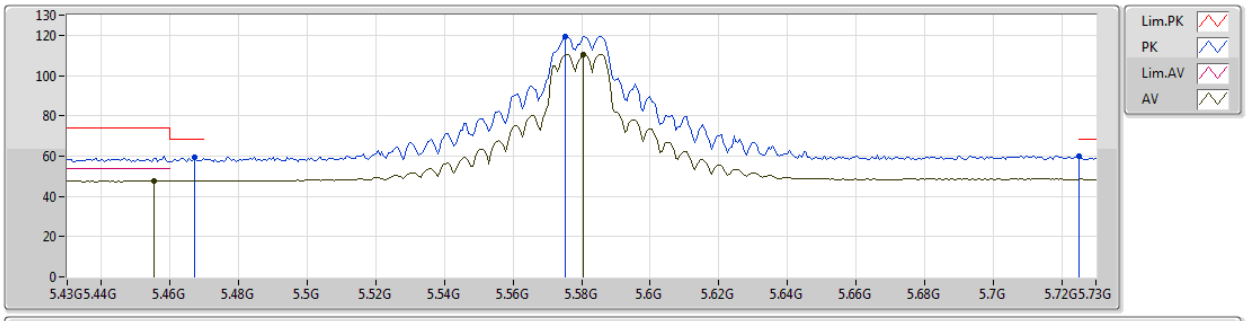


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.51266G	45.59	54.00	-8.41	15.95	3	Horizontal	269	1.50	-
PK	16.49322G	56.86	74.00	-17.14	15.88	3	Horizontal	269	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

01/02/2019

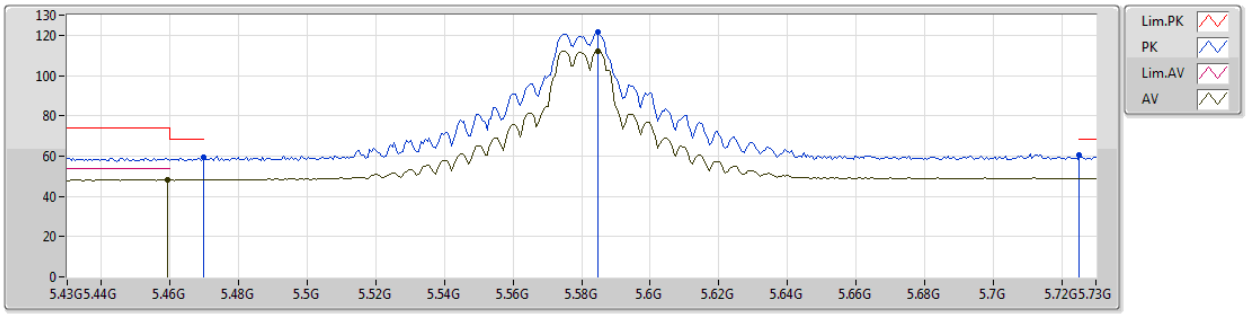


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4552G	47.69	54.00	-6.31	6.93	3	Vertical	5	2.58	-
AV	5.5806G	110.58	Inf	-Inf	7.18	3	Vertical	5	2.58	-
PK	5.4672G	59.60	68.20	-8.60	6.95	3	Vertical	5	2.58	-
PK	5.5752G	119.61	Inf	-Inf	7.18	3	Vertical	5	2.58	-
PK	5.7252G	59.84	68.20	-8.36	7.53	3	Vertical	5	2.58	-

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

01/02/2019

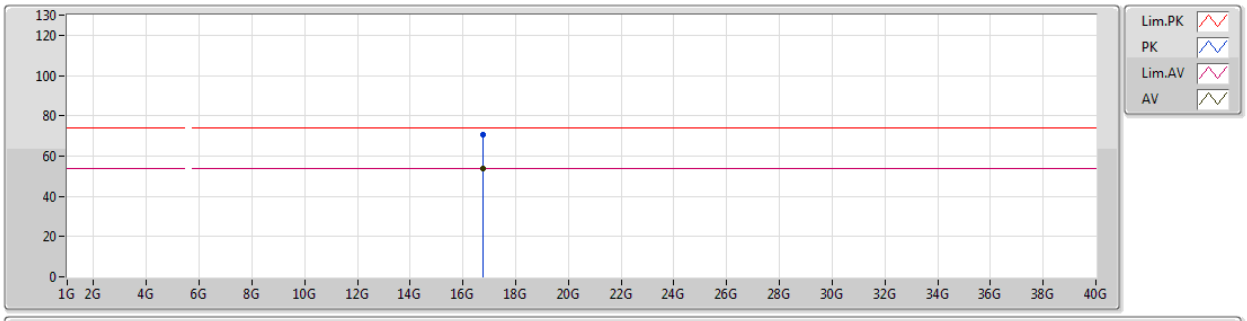


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4594G	48.31	54.00	-5.69	6.94	3	Horizontal	345	2.30	-
AV	5.5848G	112.31	Inf	-Inf	7.19	3	Horizontal	345	2.30	-
PK	5.4696G	59.45	68.20	-8.75	6.95	3	Horizontal	345	2.30	-
PK	5.5848G	121.70	Inf	-Inf	7.19	3	Horizontal	345	2.30	-
PK	5.7252G	60.36	68.20	-7.84	7.53	3	Horizontal	345	2.30	-

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

01/02/2019

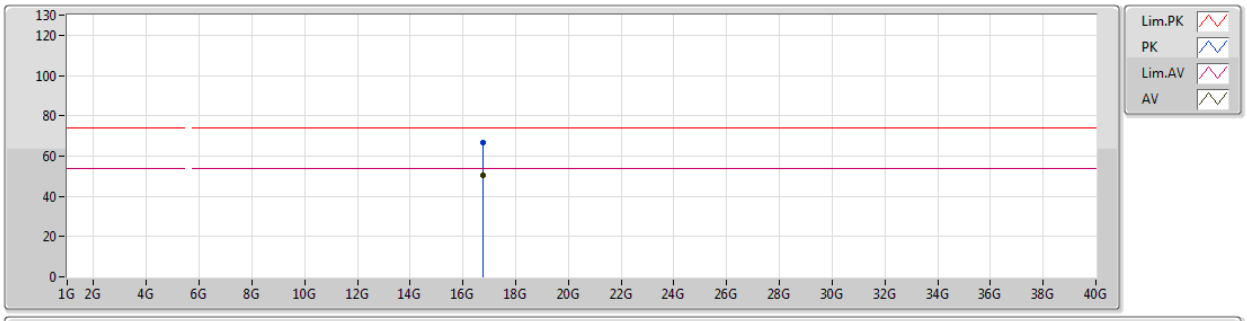


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.74552G	53.82	54.00	-0.18	16.76	3	Vertical	355	2.81	-
PK	16.75002G	70.85	74.00	-3.15	16.78	3	Vertical	355	2.81	-

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

01/02/2019

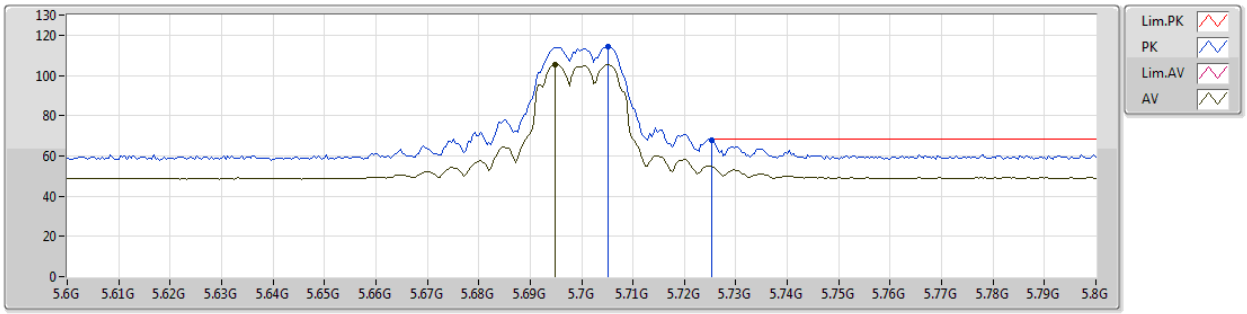


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.74366G	50.62	54.00	-3.38	16.76	3	Horizontal	13	1.75	-
PK	16.74318G	66.57	74.00	-7.43	16.76	3	Horizontal	13	1.75	-

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

01/02/2019

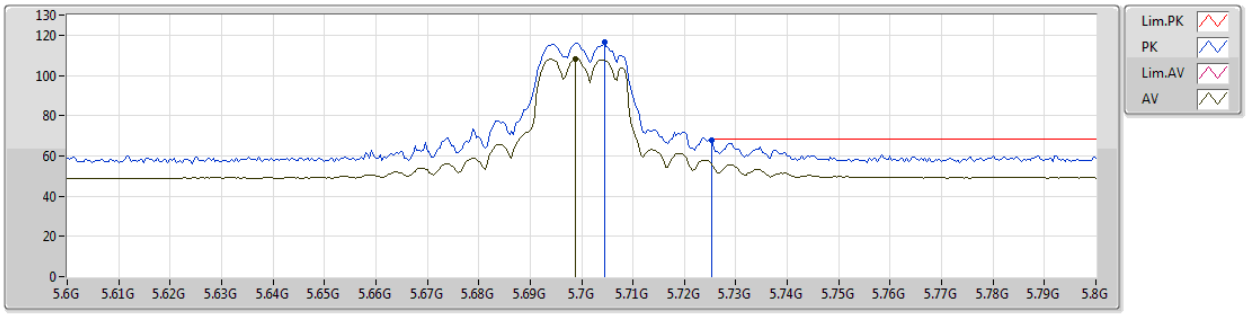


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.6948G	105.46	Inf	-Inf	7.45	3	Vertical	17	2.88	-
PK	5.7052G	114.23	Inf	-Inf	7.49	3	Vertical	17	2.88	-
PK	5.7252G	68.04	68.20	-0.16	7.53	3	Vertical	17	2.88	-

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

01/02/2019

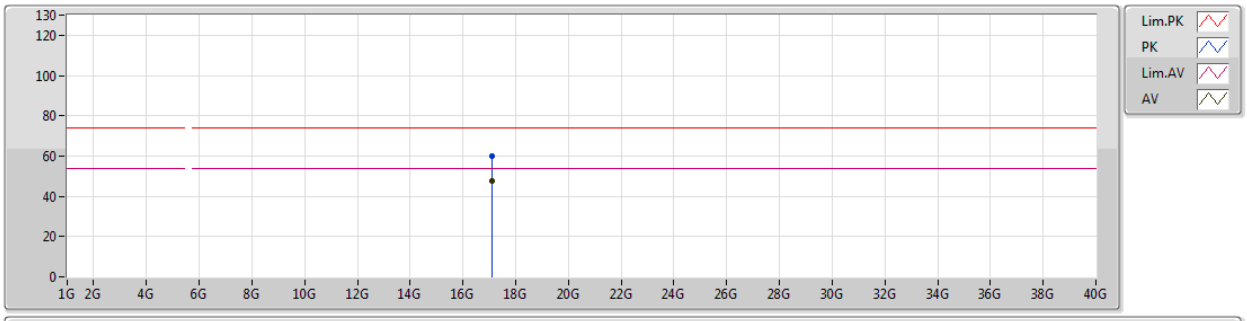


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.6988G	107.98	Inf	-Inf	7.47	3	Horizontal	355	1.94	-
PK	5.7044G	116.57	Inf	-Inf	7.49	3	Horizontal	355	1.94	-
PK	5.7252G	67.71	68.20	-0.49	7.53	3	Horizontal	355	1.94	-

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

01/02/2019

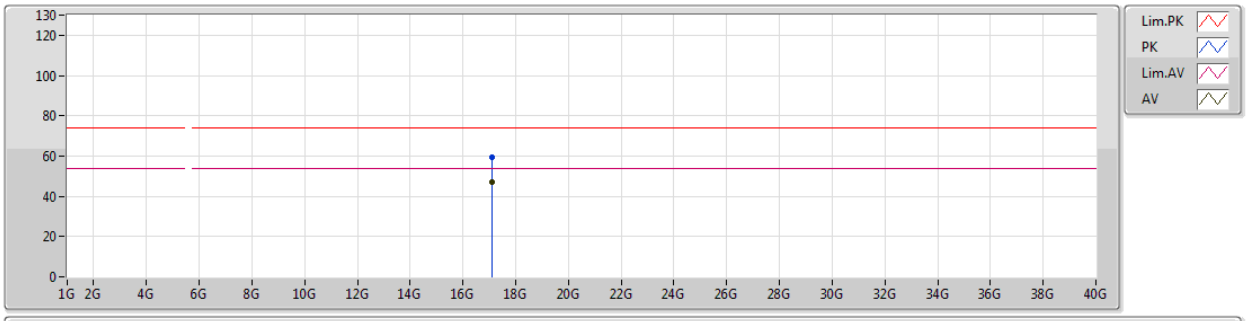


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.10204G	47.67	54.00	-6.33	18.45	3	Vertical	331	2.64	-
PK	17.09496G	59.71	74.00	-14.29	18.40	3	Vertical	331	2.64	-

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

01/02/2019

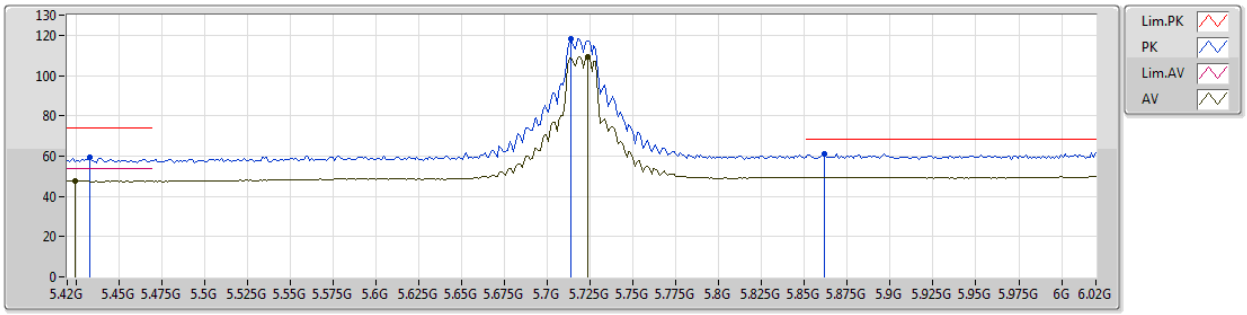


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.09324G	47.02	54.00	-6.98	18.39	3	Horizontal	71	1.29	-
PK	17.1088G	59.24	74.00	-14.76	18.50	3	Horizontal	71	1.29	-

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

02/02/2019

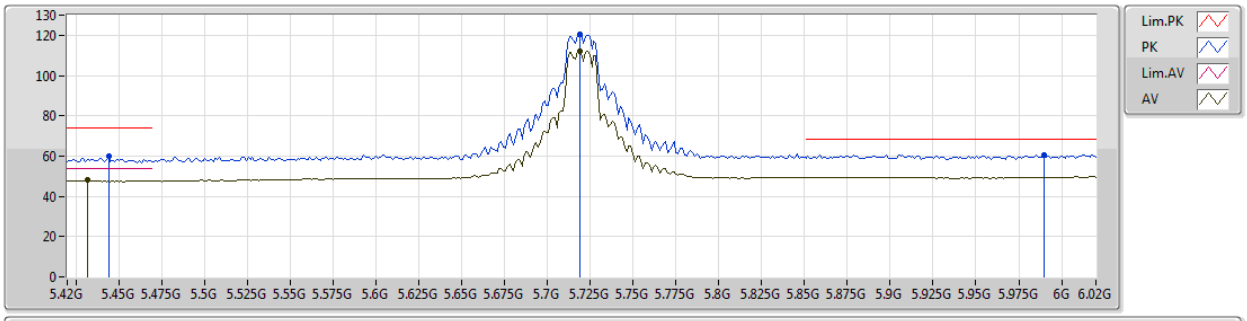


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4248G	47.64	54.00	-6.36	6.88	3	Vertical	41	2.29	-
AV	5.7236G	109.15	Inf	-Inf	7.52	3	Vertical	41	2.29	-
PK	5.4332G	59.35	74.00	-14.65	6.89	3	Vertical	41	2.29	-
PK	5.714G	118.21	Inf	-Inf	7.50	3	Vertical	41	2.29	-
PK	5.8616G	60.93	68.20	-7.27	7.85	3	Vertical	41	2.29	-

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

02/02/2019

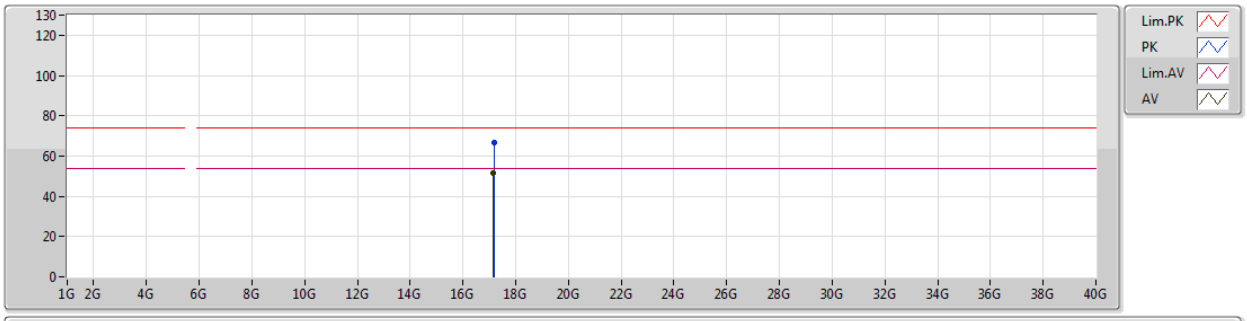


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.432G	48.02	54.00	-5.98	6.89	3	Horizontal	355	1.94	-
AV	5.7188G	112.05	Inf	-Inf	7.51	3	Horizontal	355	1.94	-
PK	5.444G	59.72	74.00	-14.28	6.91	3	Horizontal	355	1.94	-
PK	5.7188G	120.30	Inf	-Inf	7.51	3	Horizontal	355	1.94	-
PK	5.99G	60.68	68.20	-7.52	8.16	3	Horizontal	355	1.94	-

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

02/02/2019

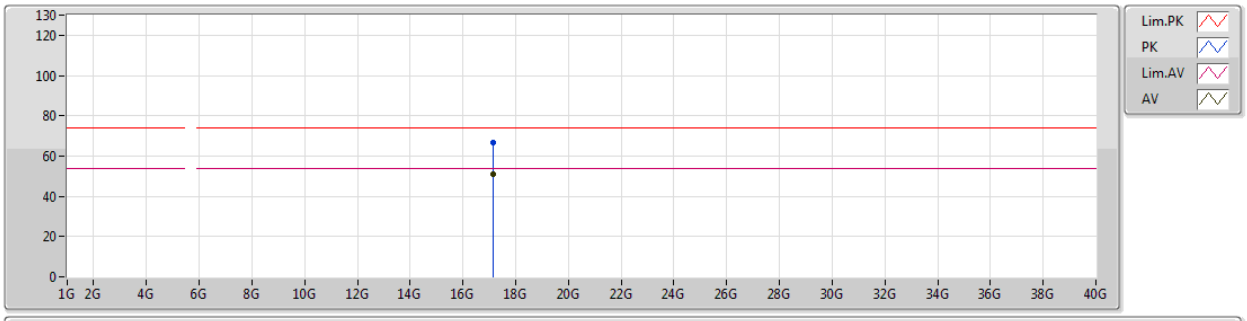


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.16G	51.52	54.00	-2.48	18.90	3	Vertical	25	1.59	-
PK	17.17014G	66.70	74.00	-7.30	18.98	3	Vertical	25	1.59	-

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

02/02/2019

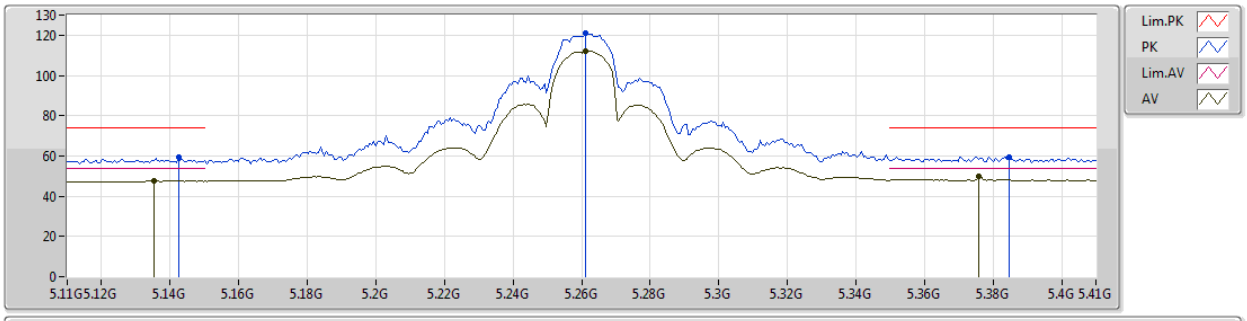


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.15598G	51.04	54.00	-2.96	18.87	3	Horizontal	13	1.50	-
PK	17.1606G	66.54	74.00	-7.46	18.90	3	Horizontal	13	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

02/02/2019

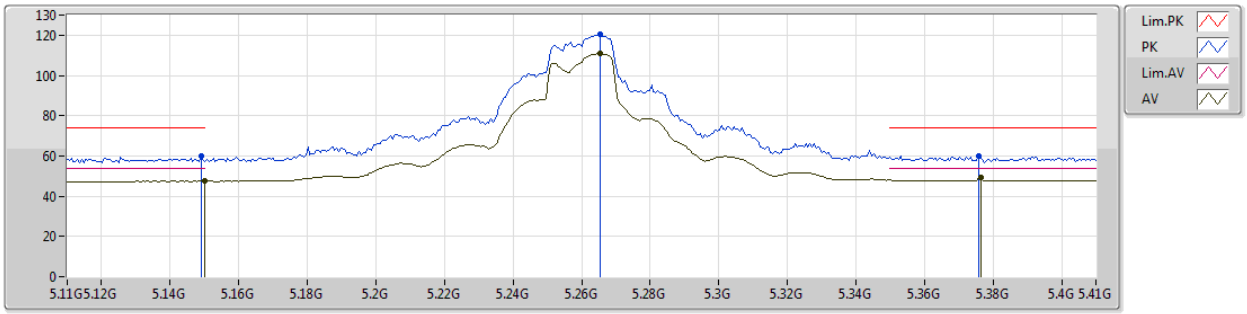


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1352G	47.62	54.00	-6.38	6.45	3	Vertical	7	1.33	-
AV	5.2612G	112.19	Inf	-Inf	6.64	3	Vertical	7	1.33	-
AV	5.3758G	49.61	54.00	-4.39	6.82	3	Vertical	7	1.33	-
PK	5.1424G	59.12	74.00	-14.88	6.46	3	Vertical	7	1.33	-
PK	5.2612G	120.94	Inf	-Inf	6.64	3	Vertical	7	1.33	-
PK	5.3848G	59.58	74.00	-14.42	6.83	3	Vertical	7	1.33	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

02/02/2019

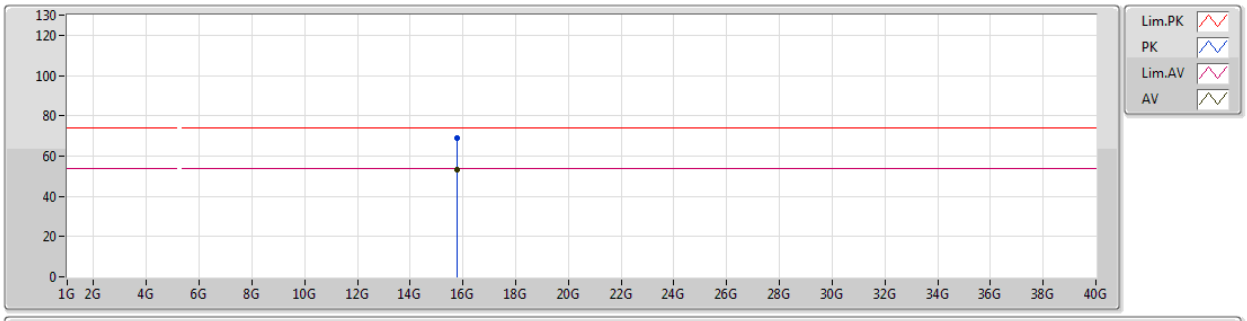


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	47.49	54.00	-6.51	6.47	3	Horizontal	345	1.46	-
AV	5.2654G	110.73	Inf	-Inf	6.65	3	Horizontal	345	1.46	-
AV	5.3764G	49.24	54.00	-4.76	6.82	3	Horizontal	345	1.46	-
PK	5.149G	59.71	74.00	-14.29	6.47	3	Horizontal	345	1.46	-
PK	5.2654G	120.30	Inf	-Inf	6.65	3	Horizontal	345	1.46	-
PK	5.3758G	59.97	74.00	-14.03	6.82	3	Horizontal	345	1.46	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

02/02/2019

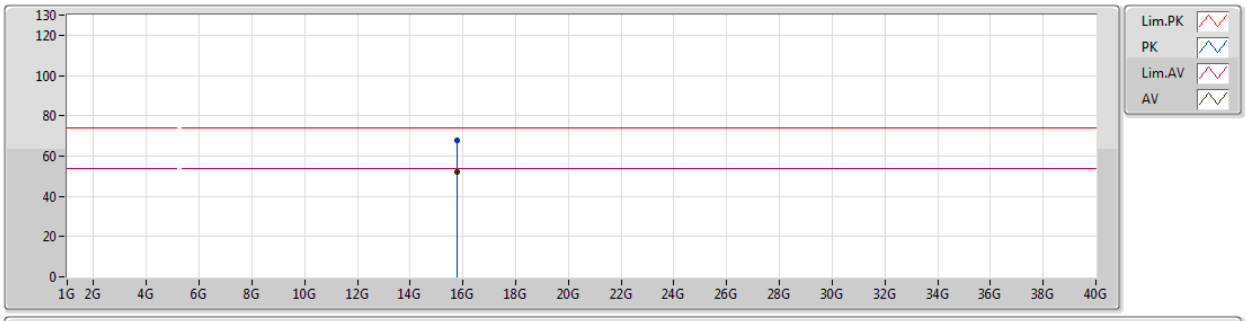


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.7734G	53.51	54.00	-0.49	14.87	3	Vertical	31	1.51	-
PK	15.77046G	68.69	74.00	-5.31	14.88	3	Vertical	31	1.51	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

02/02/2019

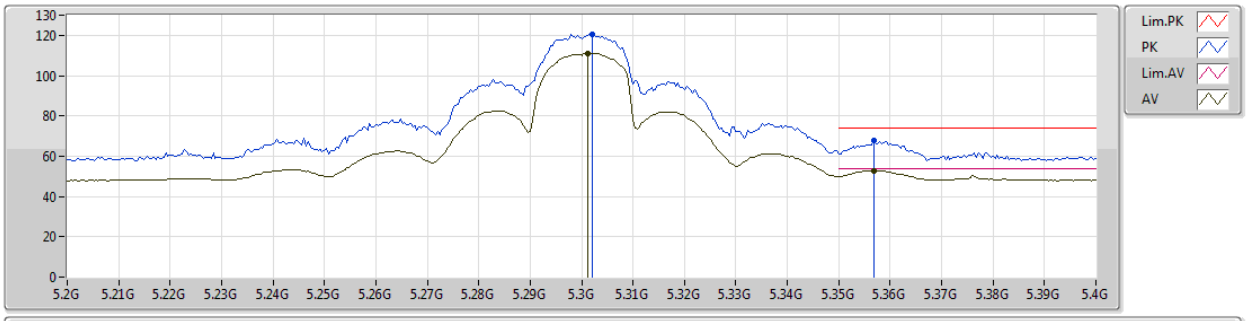


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.7869G	52.33	54.00	-1.67	14.83	3	Horizontal	24	1.52	-
PK	15.78876G	67.57	74.00	-6.43	14.82	3	Horizontal	24	1.52	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

02/02/2019

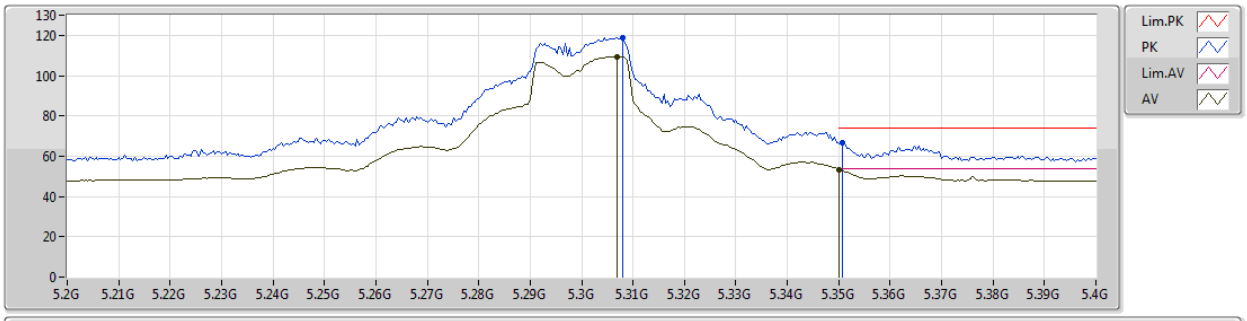


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3012G	111.15	Inf	-Inf	6.69	3	Vertical	7	1.31	-
AV	5.3568G	52.79	54.00	-1.21	6.78	3	Vertical	7	1.31	-
PK	5.302G	120.56	Inf	-Inf	6.69	3	Vertical	7	1.31	-
PK	5.3568G	67.64	74.00	-6.36	6.78	3	Vertical	7	1.31	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

02/02/2019

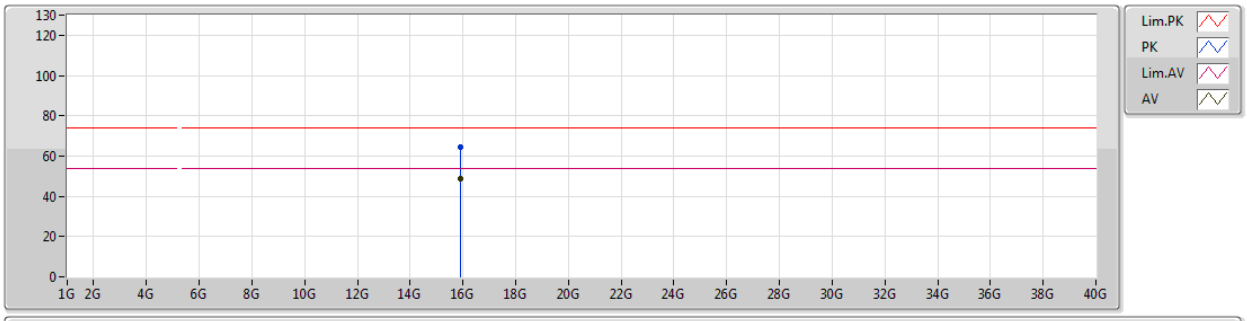


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3068G	109.26	Inf	-Inf	6.70	3	Horizontal	345	1.47	-
AV	5.35G	53.35	54.00	-0.65	6.77	3	Horizontal	345	1.47	-
PK	5.308G	118.73	Inf	-Inf	6.70	3	Horizontal	345	1.47	-
PK	5.3508G	66.61	74.00	-7.39	6.77	3	Horizontal	345	1.47	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

02/02/2019

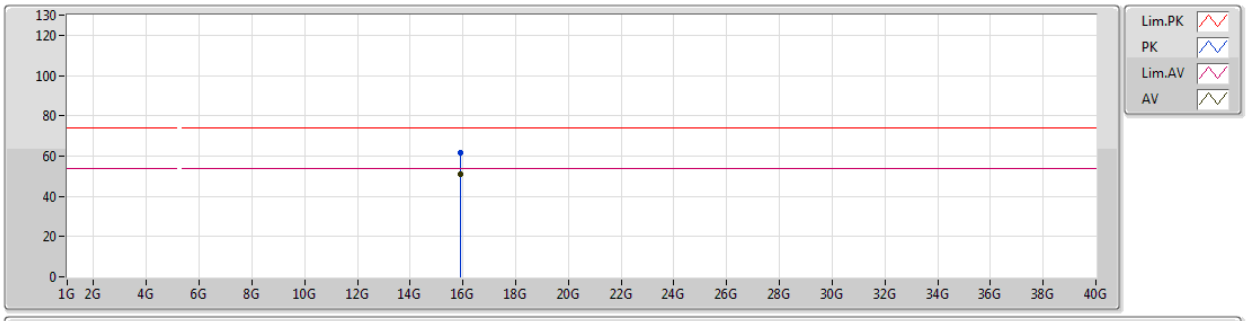


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.90588G	48.76	54.00	-5.24	14.45	3	Vertical	0	2.21	-
PK	15.888G	64.35	74.00	-9.65	14.51	3	Vertical	0	2.21	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

02/02/2019

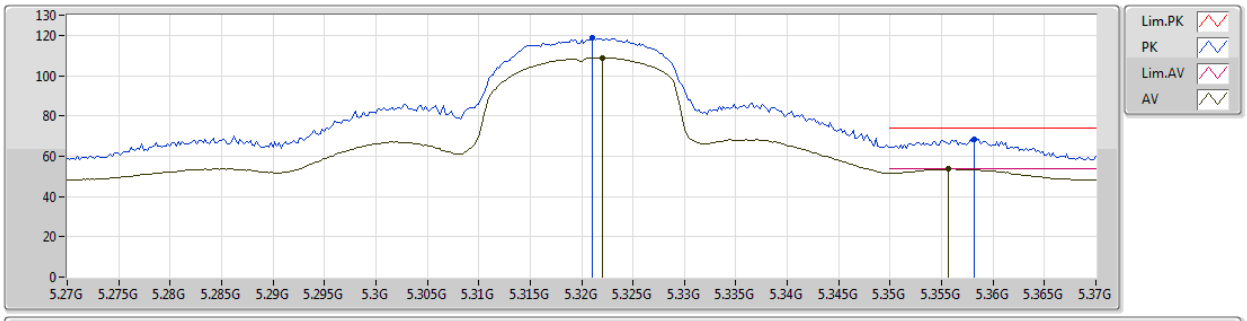


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.90605G	50.99	54.00	-3.01	14.45	3	Horizontal	23	1.54	-
PK	15.90605G	61.53	74.00	-12.47	14.45	3	Horizontal	23	1.54	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

02/02/2019

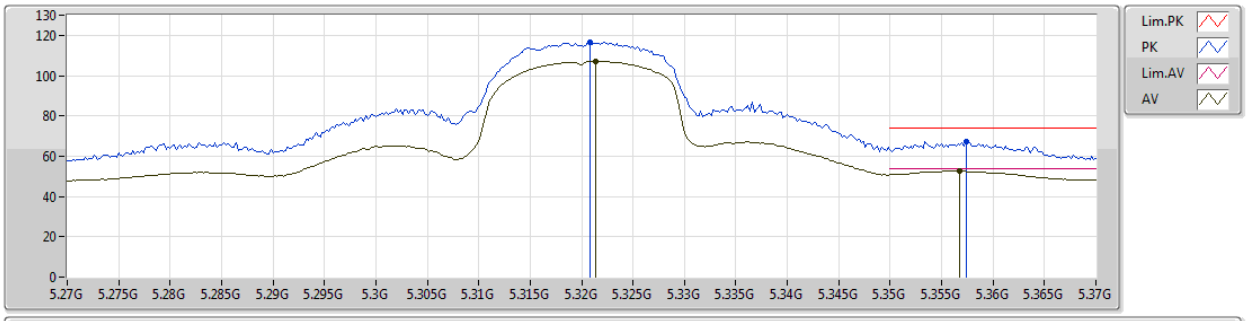


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.322G	108.94	Inf	-Inf	6.72	3	Vertical	7	1.26	-
AV	5.3556G	53.61	54.00	-0.39	6.77	3	Vertical	7	1.26	-
PK	5.321G	118.67	Inf	-Inf	6.72	3	Vertical	7	1.26	-
PK	5.3582G	68.39	74.00	-5.61	6.78	3	Vertical	7	1.26	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

02/02/2019

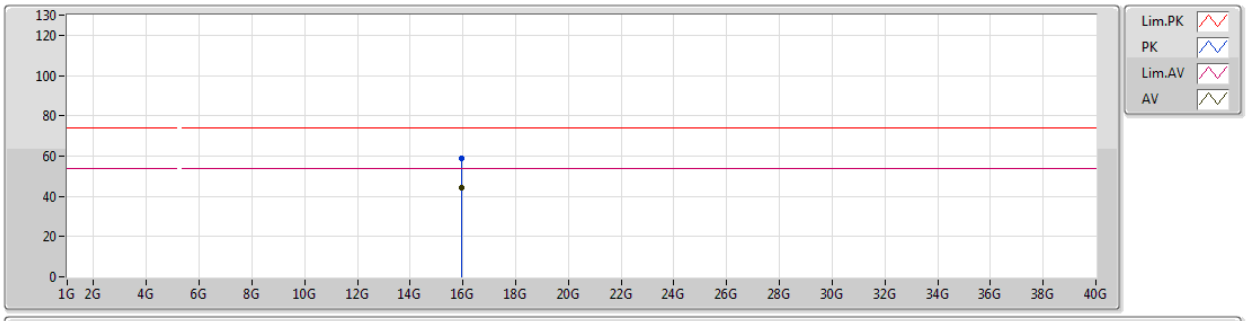


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3214G	107.08	Inf	-Inf	6.72	3	Horizontal	18	1.43	-
AV	5.3568G	52.67	54.00	-1.33	6.78	3	Horizontal	18	1.43	-
PK	5.3208G	116.45	Inf	-Inf	6.72	3	Horizontal	18	1.43	-
PK	5.3574G	67.07	74.00	-6.93	6.78	3	Horizontal	18	1.43	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

02/02/2019

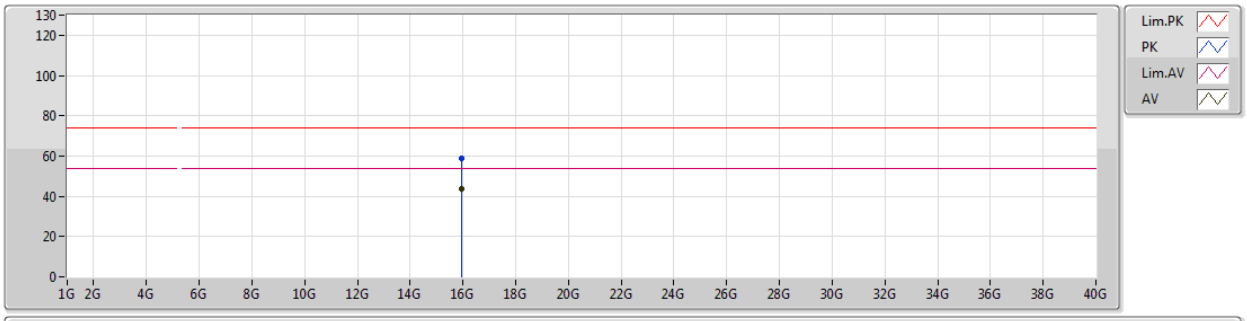


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.96678G	44.08	54.00	-9.92	14.26	3	Vertical	345	1.96	-
PK	15.96984G	58.94	74.00	-15.06	14.25	3	Vertical	345	1.96	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

02/02/2019

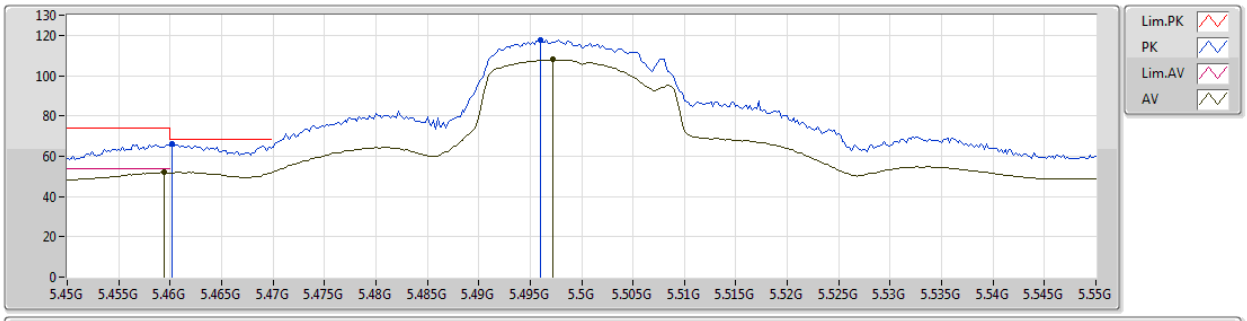


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.9663G	43.87	54.00	-10.13	14.26	3	Horizontal	21	1.56	-
PK	15.94722G	58.81	74.00	-15.19	14.32	3	Horizontal	21	1.56	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

02/02/2019

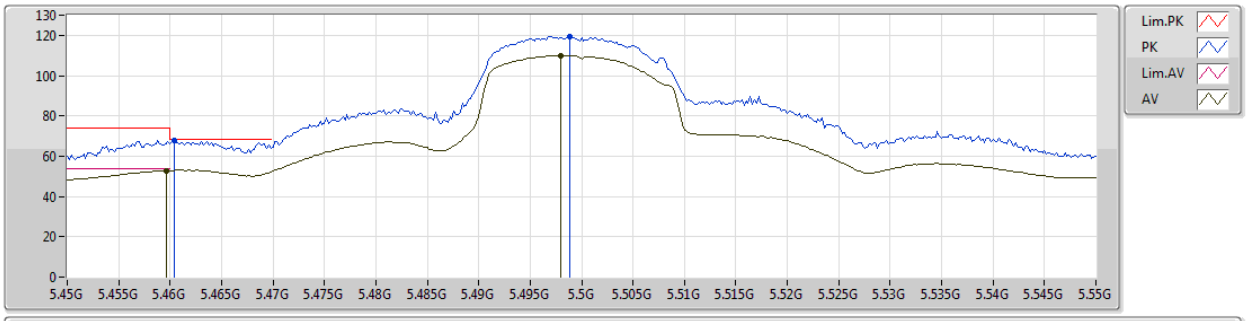


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4594G	52.03	54.00	-1.97	6.94	3	Vertical	6	1.31	-
AV	5.4972G	107.89	Inf	-Inf	6.99	3	Vertical	6	1.31	-
PK	5.4602G	65.92	68.20	-2.28	6.94	3	Vertical	6	1.31	-
PK	5.496G	117.80	Inf	-Inf	6.99	3	Vertical	6	1.31	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

02/02/2019

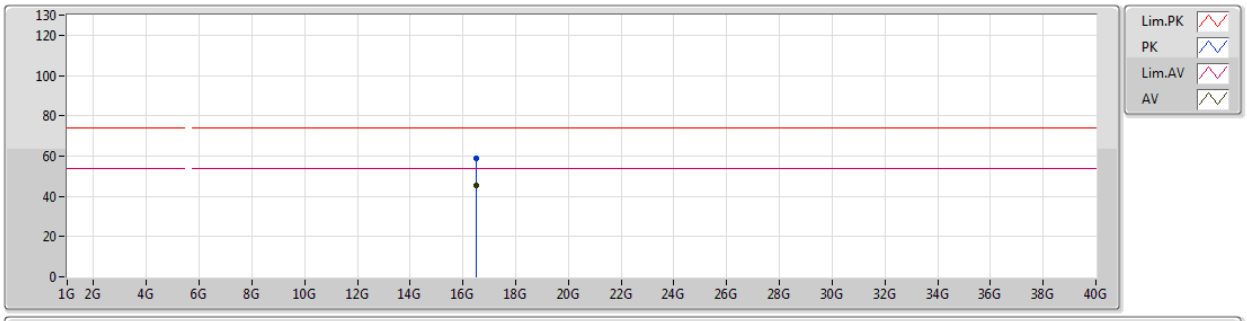


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4596G	52.78	54.00	-1.22	6.94	3	Horizontal	10	1.48	-
AV	5.498G	110.00	Inf	-Inf	6.99	3	Horizontal	10	1.48	-
PK	5.4604G	67.54	68.20	-0.66	6.94	3	Horizontal	10	1.48	-
PK	5.4988G	119.11	Inf	-Inf	6.99	3	Horizontal	10	1.48	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

02/02/2019

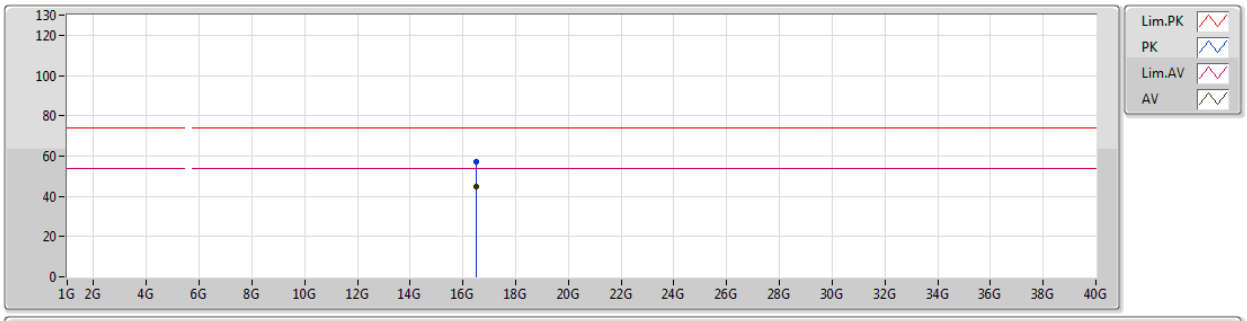


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.49628G	45.36	54.00	-8.64	15.89	3	Vertical	16	3.08	-
PK	16.49718G	58.88	74.00	-15.12	15.89	3	Vertical	16	3.08	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

02/02/2019

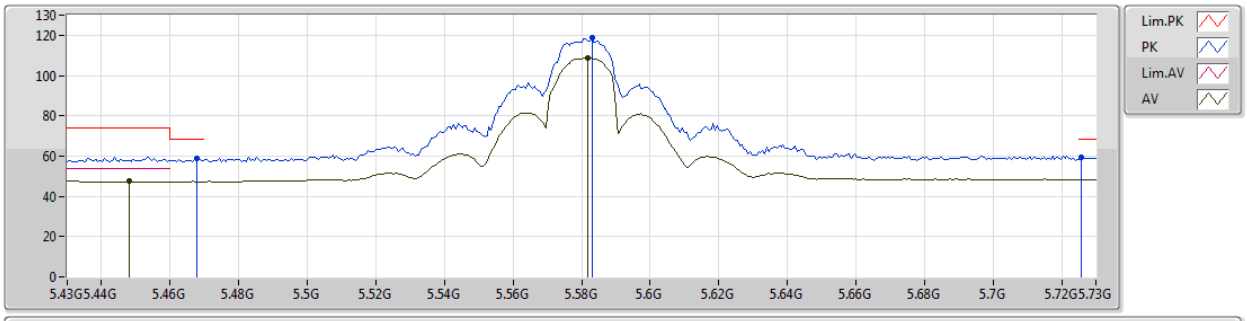


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	16.51266G	57.37	74.00	-16.63	15.95	3	Horizontal	250	1.50	-
AV	16.5144G	45.04	54.00	-8.96	15.96	3	Horizontal	250	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

02/02/2019

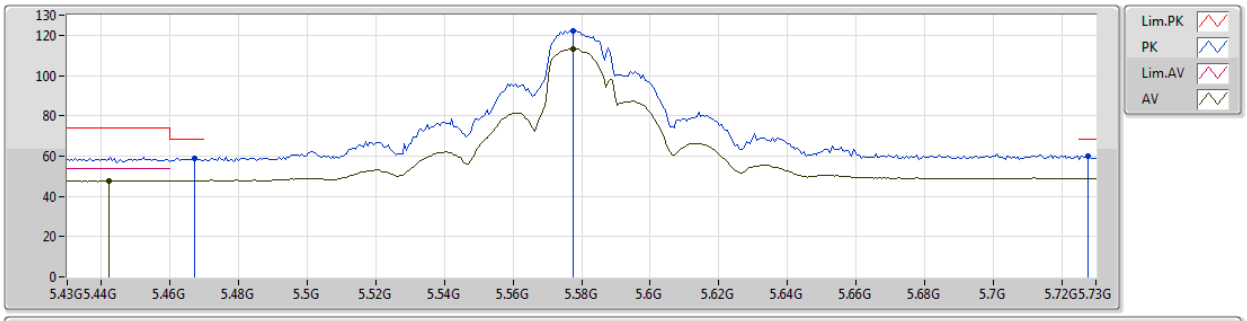


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.448G	47.49	54.00	-6.51	6.91	3	Vertical	343	1.50	-
AV	5.5818G	108.97	Inf	-Inf	7.19	3	Vertical	343	1.50	-
PK	5.4678G	59.01	68.20	-9.19	6.95	3	Vertical	343	1.50	-
PK	5.583G	118.65	Inf	-Inf	7.20	3	Vertical	343	1.50	-
PK	5.7258G	59.29	68.20	-8.91	7.53	3	Vertical	343	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

02/02/2019

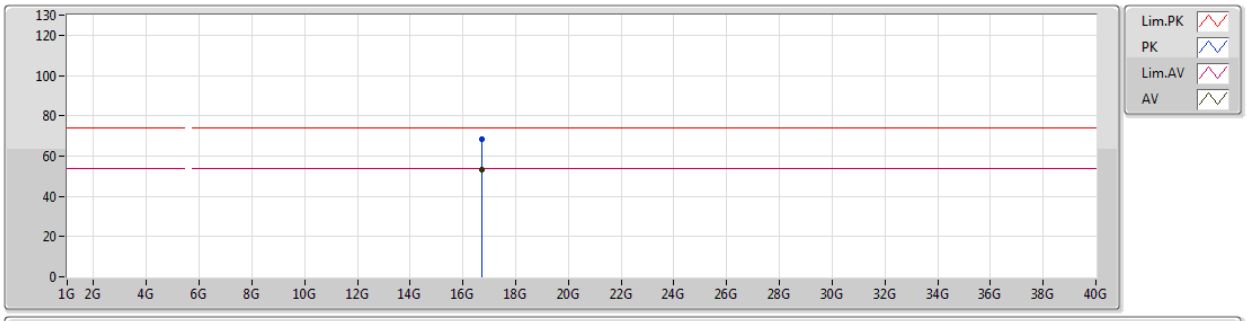


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.442G	47.75	54.00	-6.25	6.91	3	Horizontal	8	1.46	-
AV	5.5776G	113.21	Inf	-Inf	7.18	3	Horizontal	8	1.46	-
PK	5.4672G	58.60	68.20	-9.60	6.95	3	Horizontal	8	1.46	-
PK	5.5776G	122.27	Inf	-Inf	7.18	3	Horizontal	8	1.46	-
PK	5.7276G	59.96	68.20	-8.24	7.54	3	Horizontal	8	1.46	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

02/02/2019

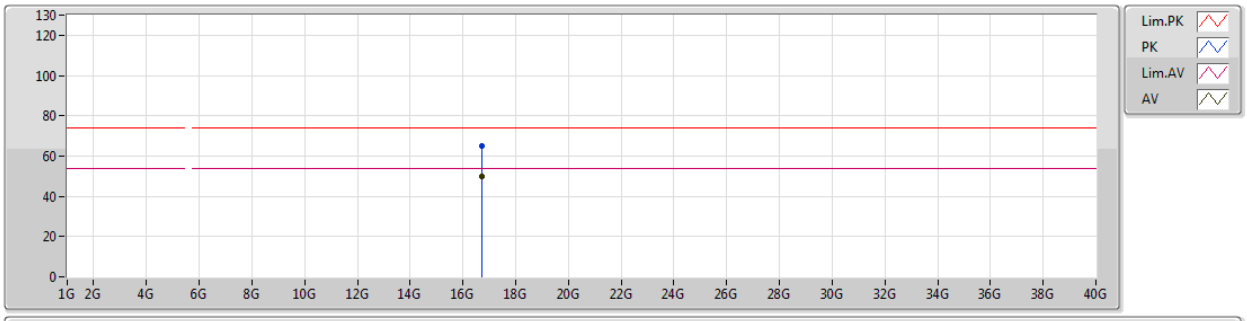


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.73706G	53.34	54.00	-0.66	16.74	3	Vertical	343	1.04	-
PK	16.73388G	68.31	74.00	-5.69	16.73	3	Vertical	343	1.04	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

02/02/2019

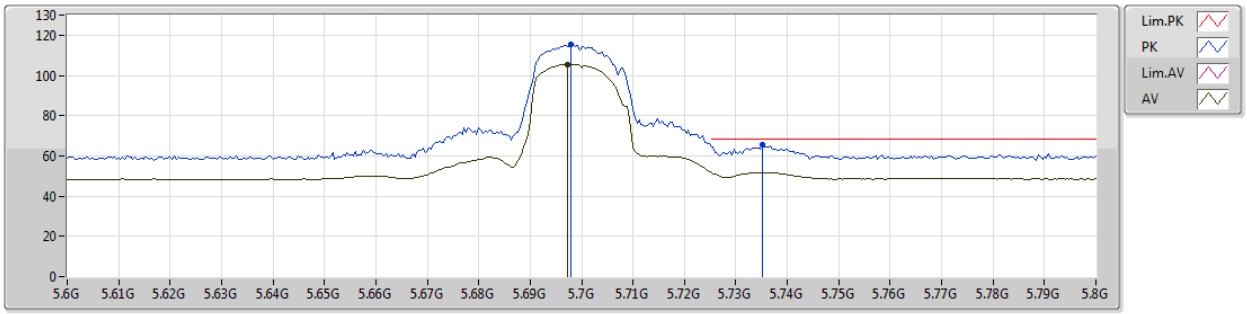


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.7376G	49.77	54.00	-4.23	16.74	3	Horizontal	331	1.50	-
PK	16.73646G	64.89	74.00	-9.11	16.73	3	Horizontal	331	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

02/02/2019

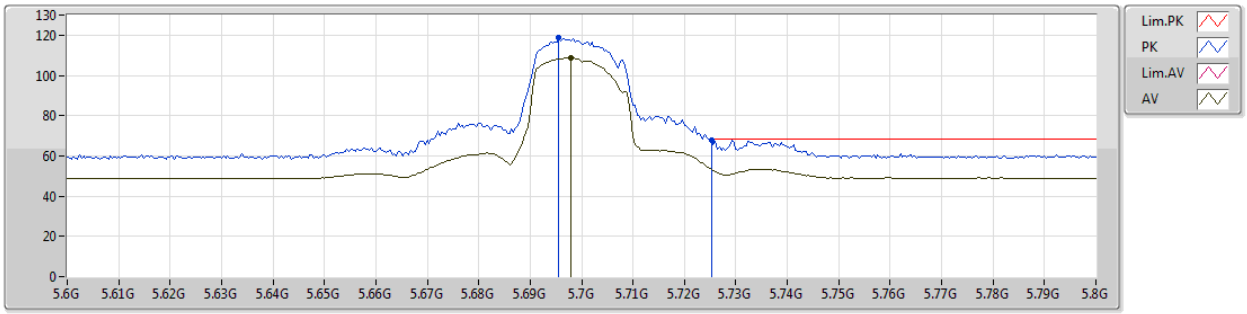


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.6972G	105.62	Inf	-Inf	7.47	3	Vertical	318	1.64	-
PK	5.698G	115.70	Inf	-Inf	7.47	3	Vertical	318	1.64	-
PK	5.7352G	65.50	68.20	-2.70	7.56	3	Vertical	318	1.64	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

02/02/2019

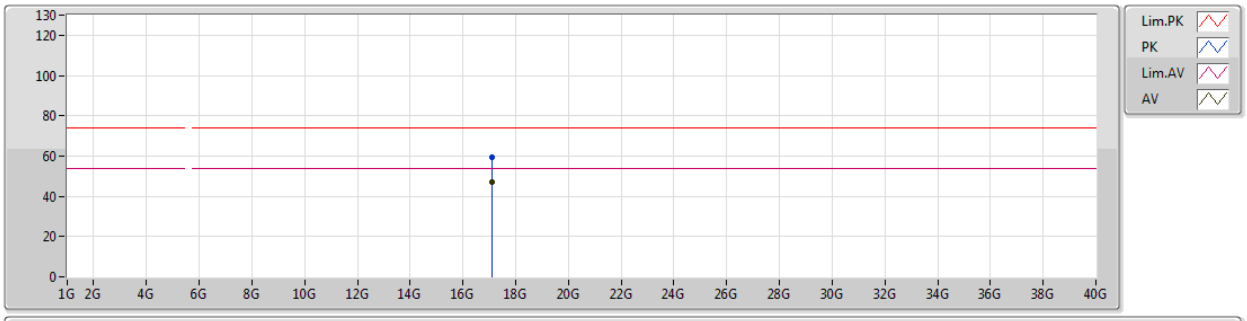


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.698G	108.64	Inf	-Inf	7.47	3	Horizontal	7	1.49	-
PK	5.6956G	118.55	Inf	-Inf	7.45	3	Horizontal	7	1.49	-
PK	5.7252G	67.92	68.20	-0.28	7.53	3	Horizontal	7	1.49	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

02/02/2019

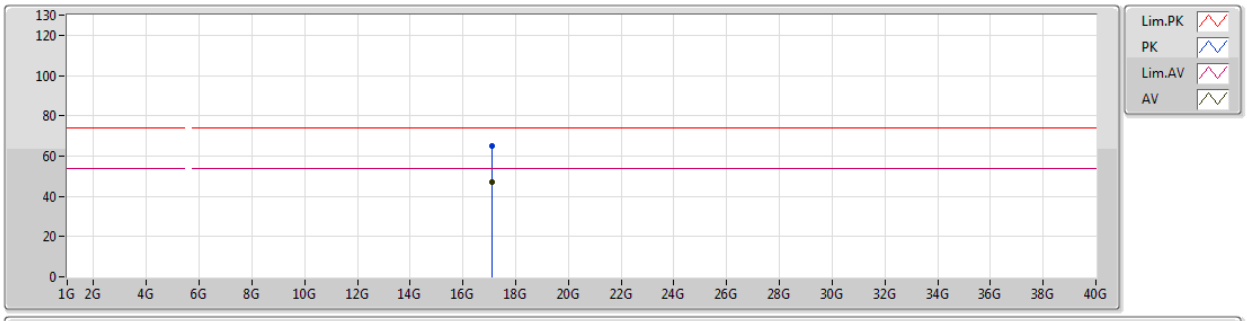


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.09976G	47.03	54.00	-6.97	18.44	3	Vertical	135	1.06	-
PK	17.09394G	59.19	74.00	-14.81	18.39	3	Vertical	135	1.06	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

02/02/2019

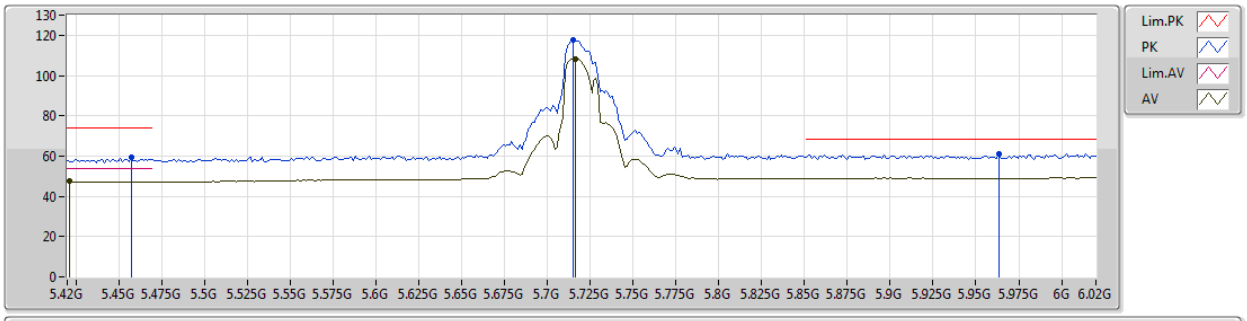


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	17.09544G	64.77	74.00	-9.23	18.40	3	Horizontal	343	1.50	-
AV	17.09526G	47.34	54.00	-6.66	18.40	3	Horizontal	343	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

02/02/2019

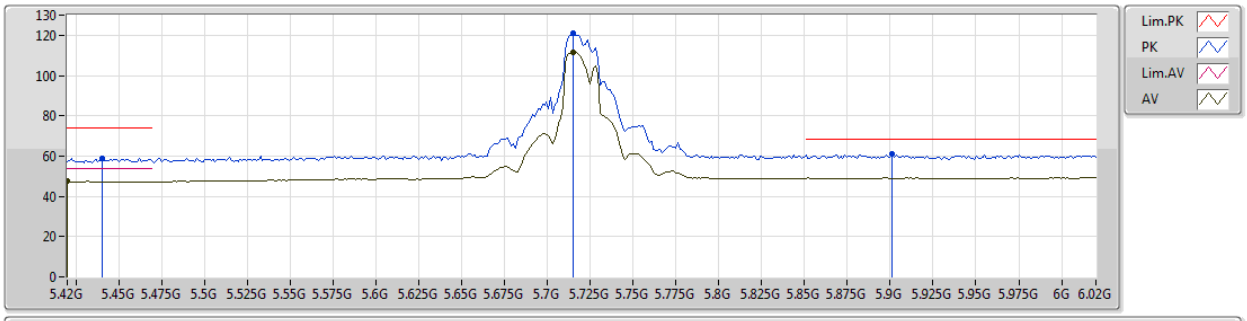


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4212G	47.44	54.00	-6.56	6.87	3	Vertical	322	1.64	-
AV	5.7164G	108.37	Inf	-Inf	7.50	3	Vertical	322	1.64	-
PK	5.4572G	59.24	74.00	-14.76	6.93	3	Vertical	322	1.64	-
PK	5.7152G	117.54	Inf	-Inf	7.50	3	Vertical	322	1.64	-
PK	5.9636G	60.97	68.20	-7.23	8.09	3	Vertical	322	1.64	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

02/02/2019

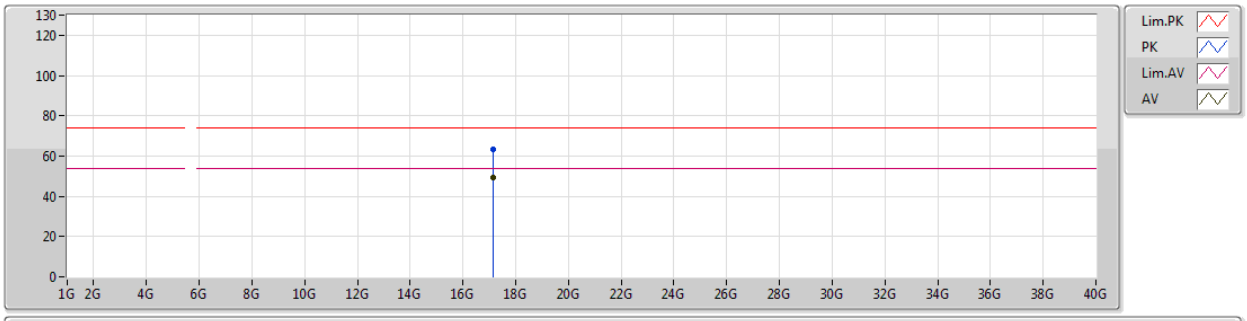


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.42G	47.45	54.00	-6.55	6.87	3	Horizontal	6	1.49	-
AV	5.7152G	111.38	Inf	-Inf	7.50	3	Horizontal	6	1.49	-
PK	5.4404G	58.92	74.00	-15.08	6.90	3	Horizontal	6	1.49	-
PK	5.7152G	121.06	Inf	-Inf	7.50	3	Horizontal	6	1.49	-
PK	5.9012G	61.10	68.20	-7.10	7.94	3	Horizontal	6	1.49	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

02/02/2019

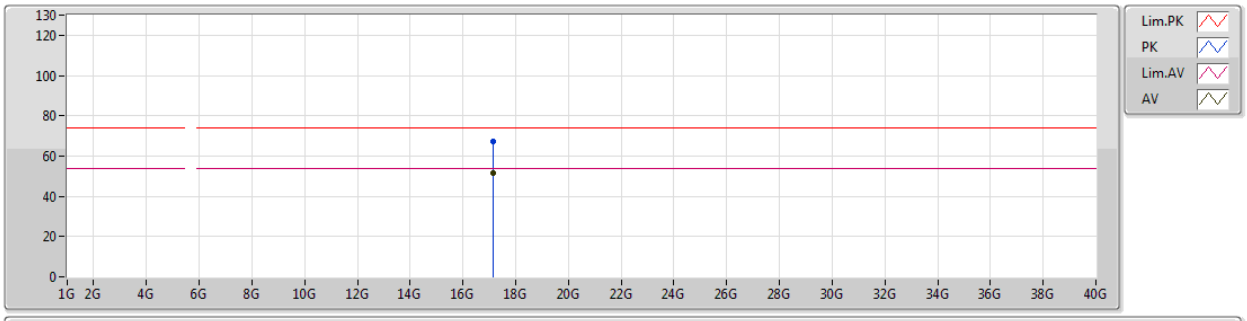


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.16138G	49.27	54.00	-4.73	18.91	3	Vertical	333	1.51	-
PK	17.1606G	63.04	74.00	-10.96	18.90	3	Vertical	333	1.51	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

02/02/2019

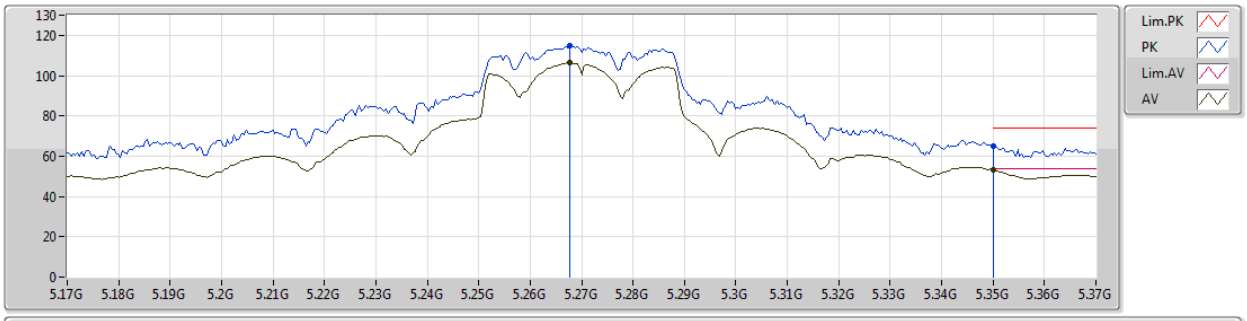


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.16282G	51.76	54.00	-2.24	18.92	3	Horizontal	342	1.49	-
PK	17.16108G	67.45	74.00	-6.55	18.90	3	Horizontal	342	1.49	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

02/02/2019

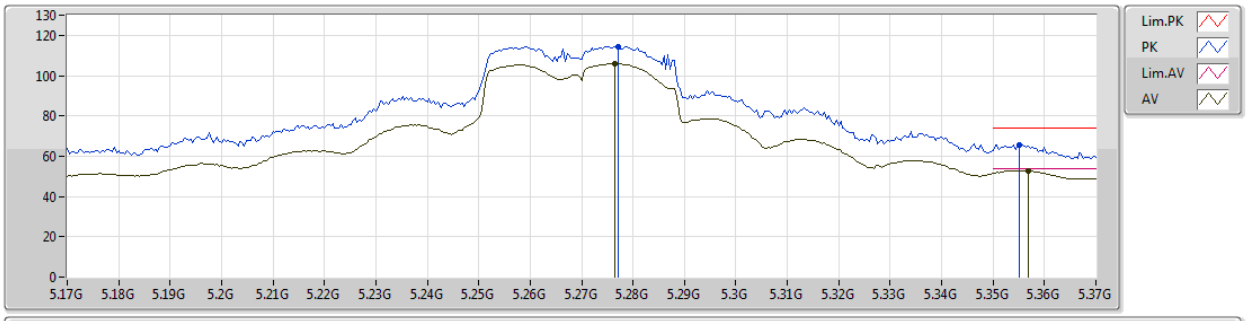


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.2676G	106.26	Inf	-Inf	6.65	3	Vertical	0	1.42	-
AV	5.35G	53.24	54.00	-0.76	6.77	3	Vertical	0	1.42	-
PK	5.2676G	114.80	Inf	-Inf	6.65	3	Vertical	0	1.42	-
PK	5.35G	65.00	74.00	-9.00	6.77	3	Vertical	0	1.42	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

02/02/2019

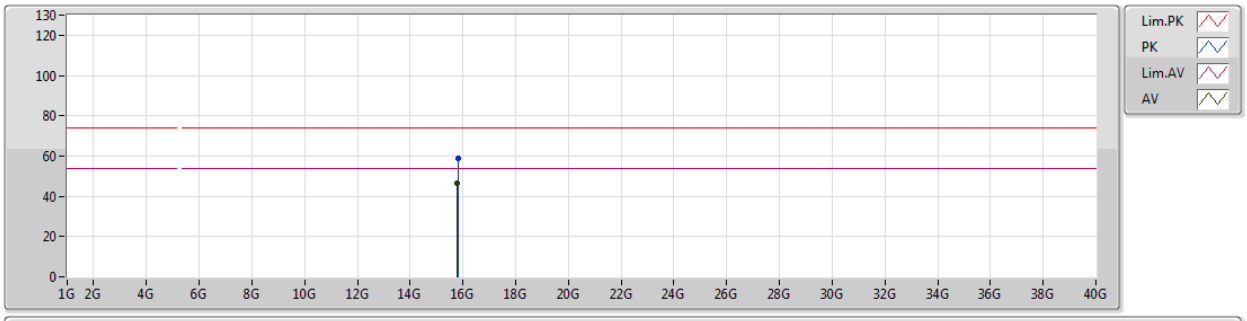


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.2764G	105.87	Inf	-Inf	6.66	3	Horizontal	346	1.45	-
AV	5.3568G	52.92	54.00	-1.08	6.78	3	Horizontal	346	1.45	-
PK	5.2772G	114.50	Inf	-Inf	6.66	3	Horizontal	346	1.45	-
PK	5.3552G	65.80	74.00	-8.20	6.77	3	Horizontal	346	1.45	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

02/02/2019

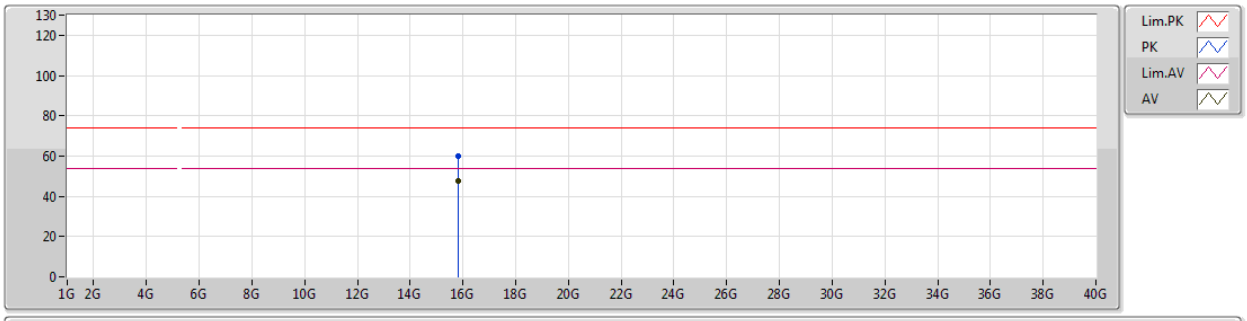


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.80034G	46.58	54.00	-7.42	14.79	3	Vertical	30	1.46	-
PK	15.81966G	58.90	74.00	-15.10	14.73	3	Vertical	30	1.46	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

02/02/2019

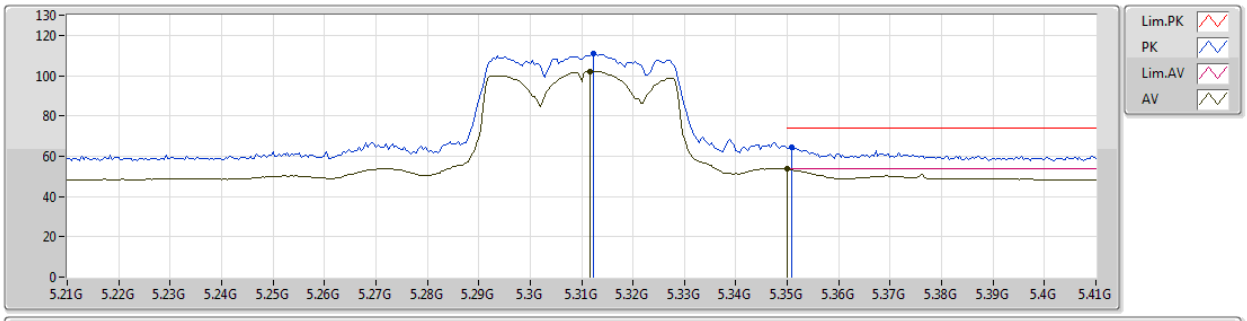


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.81702G	47.43	54.00	-6.57	14.73	3	Horizontal	23	1.54	-
PK	15.8196G	60.23	74.00	-13.77	14.73	3	Horizontal	23	1.54	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

02/02/2019

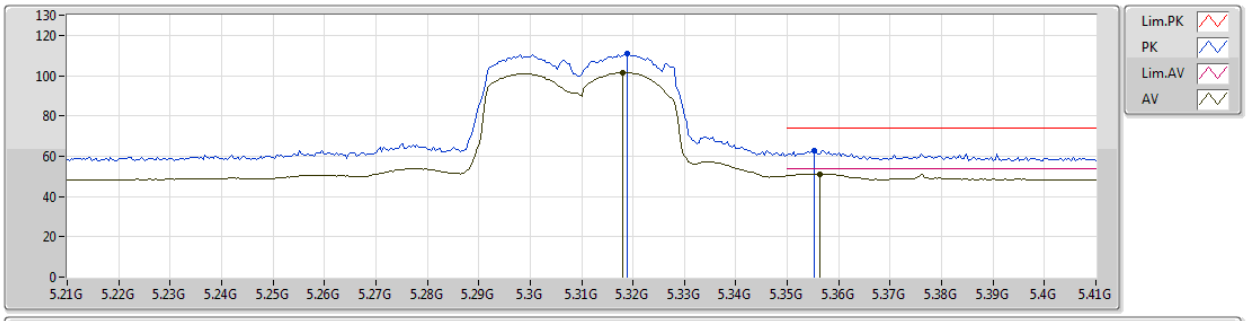


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3116G	102.18	Inf	-Inf	6.71	3	Vertical	8	1.35	-
AV	5.35G	53.58	54.00	-0.42	6.77	3	Vertical	8	1.35	-
PK	5.3124G	111.05	Inf	-Inf	6.71	3	Vertical	8	1.35	-
PK	5.3508G	64.28	74.00	-9.72	6.77	3	Vertical	8	1.35	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

02/02/2019

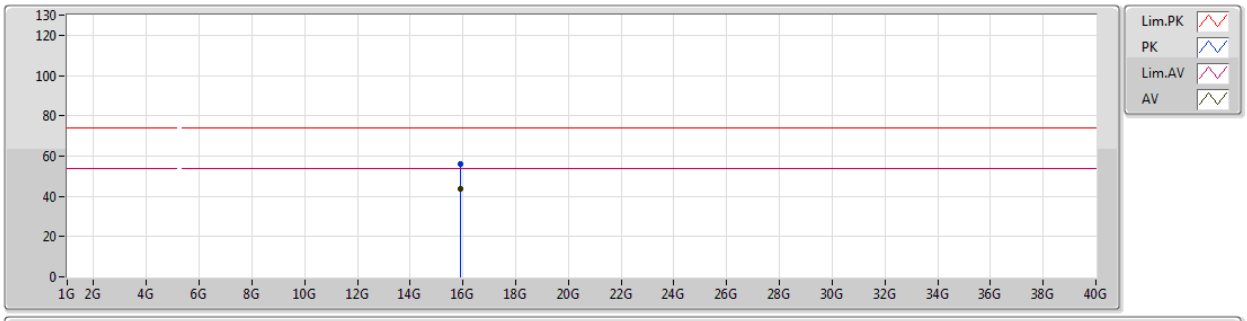


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.318G	101.55	Inf	-Inf	6.71	3	Horizontal	348	1.56	-
AV	5.3564G	51.16	54.00	-2.84	6.78	3	Horizontal	348	1.56	-
PK	5.3188G	110.79	Inf	-Inf	6.72	3	Horizontal	348	1.56	-
PK	5.3552G	62.80	74.00	-11.20	6.77	3	Horizontal	348	1.56	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

02/02/2019

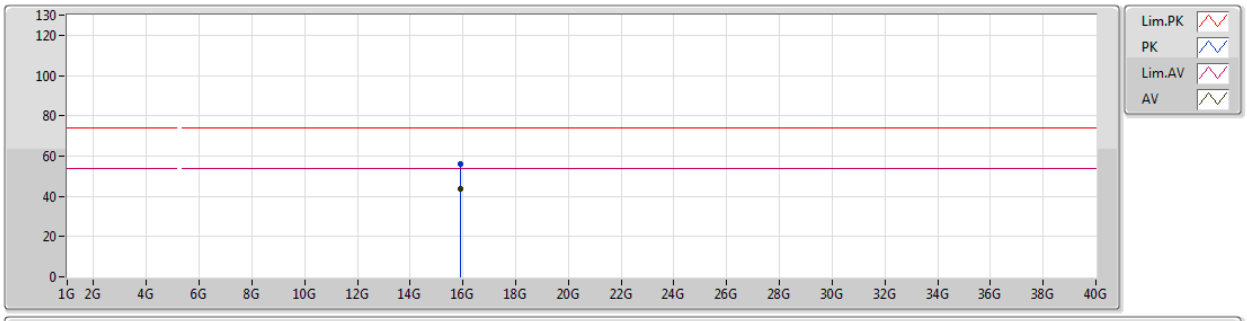


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.9156G	43.93	54.00	-10.07	14.42	3	Vertical	125	1.50	-
PK	15.92538G	55.82	74.00	-18.18	14.39	3	Vertical	125	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

02/02/2019

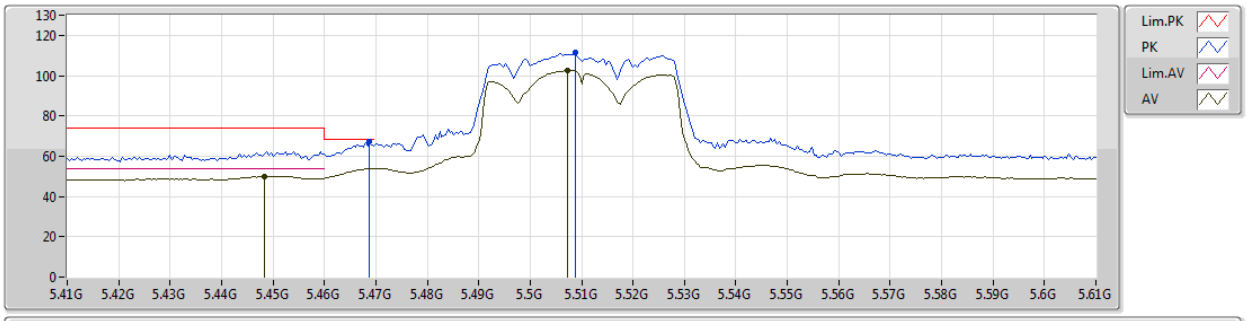


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.92298G	43.97	54.00	-10.03	14.39	3	Horizontal	325	1.50	-
PK	15.927G	55.95	74.00	-18.05	14.39	3	Horizontal	325	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

02/02/2019

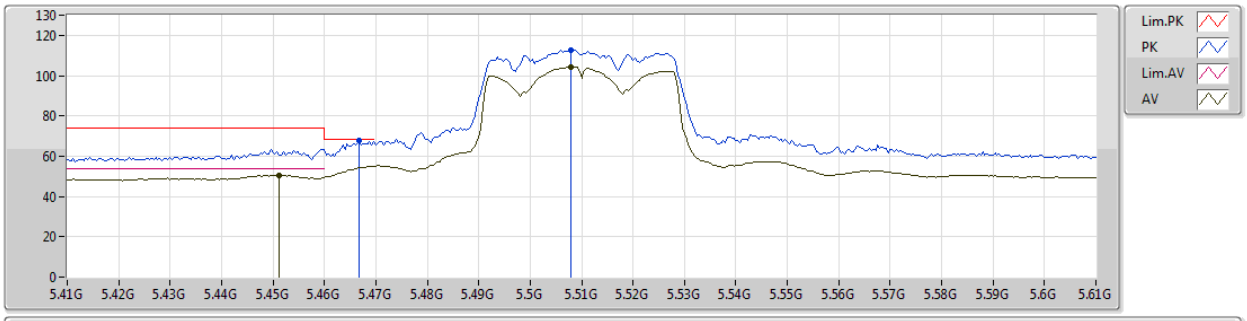


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4484G	50.15	54.00	-3.85	6.91	3	Vertical	7	1.28	-
AV	5.5072G	102.43	Inf	-Inf	7.01	3	Vertical	7	1.28	-
PK	5.4688G	67.49	68.20	-0.71	6.95	3	Vertical	7	1.28	-
PK	5.5088G	111.39	Inf	-Inf	7.01	3	Vertical	7	1.28	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

02/02/2019

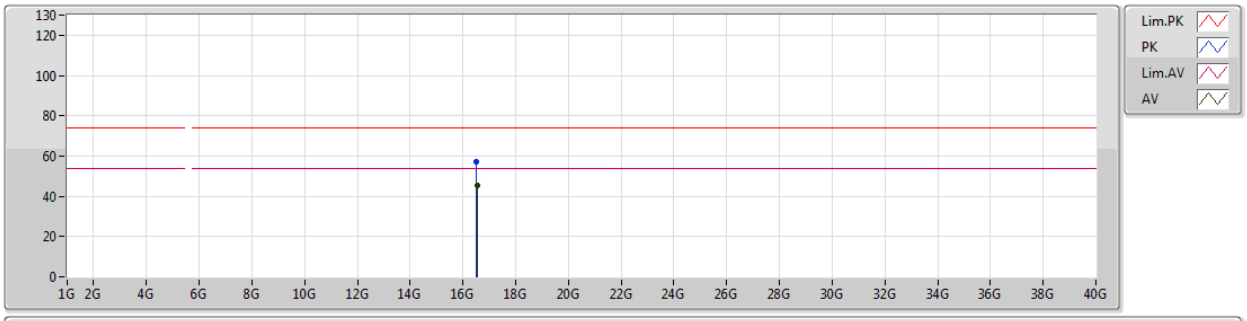


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4512G	50.48	54.00	-3.52	6.93	3	Horizontal	11	1.49	-
AV	5.508G	104.29	Inf	-Inf	7.01	3	Horizontal	11	1.49	-
PK	5.4668G	67.57	68.20	-0.63	6.95	3	Horizontal	11	1.49	-
PK	5.508G	112.88	Inf	-Inf	7.01	3	Horizontal	11	1.49	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

02/02/2019

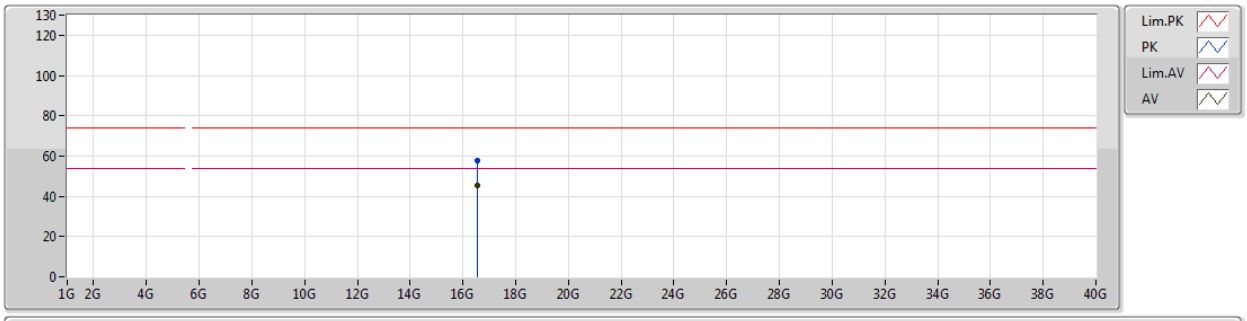


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.54434G	45.61	54.00	-8.39	16.06	3	Vertical	273	1.50	-
PK	16.5213G	57.30	74.00	-16.70	15.98	3	Vertical	273	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

02/02/2019

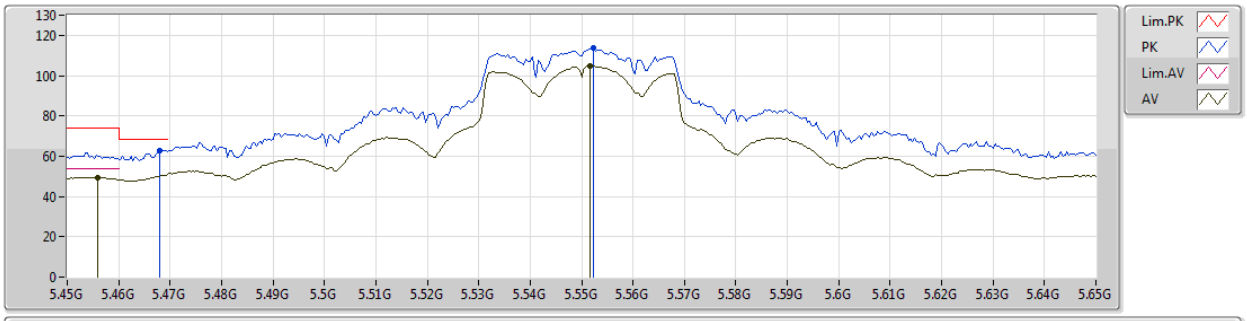


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.54362G	45.61	54.00	-8.39	16.06	3	Horizontal	199	1.42	-
PK	16.53786G	57.69	74.00	-16.31	16.04	3	Horizontal	199	1.42	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

02/02/2019

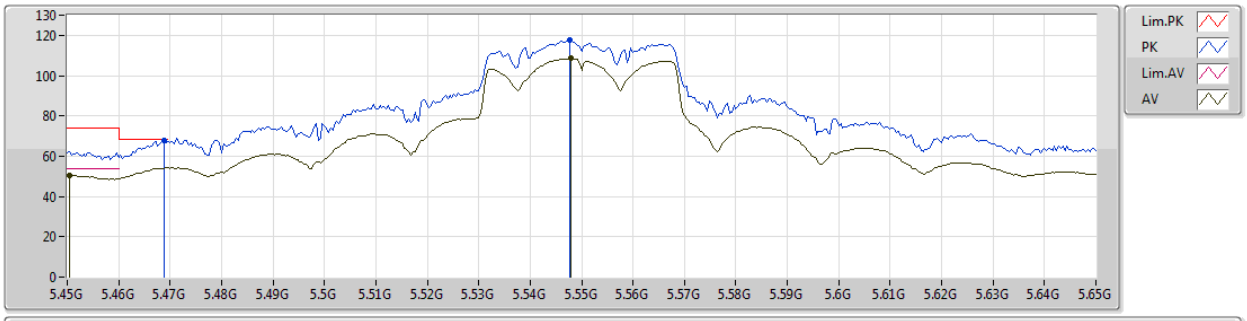


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.456G	49.45	54.00	-4.55	6.93	3	Vertical	342	1.50	-
AV	5.5516G	104.71	Inf	-Inf	7.11	3	Vertical	342	1.50	-
PK	5.468G	62.75	68.20	-5.45	6.95	3	Vertical	342	1.50	-
PK	5.5524G	113.57	Inf	-Inf	7.11	3	Vertical	342	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

02/02/2019

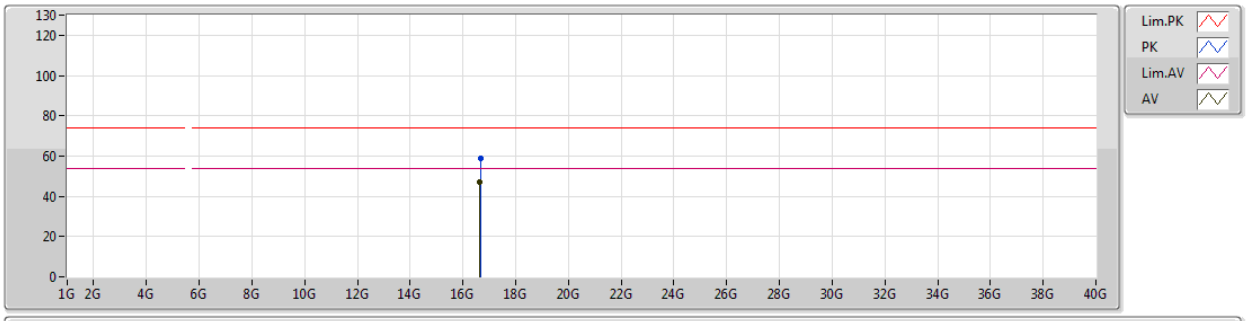


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4504G	50.48	54.00	-3.52	6.93	3	Horizontal	9	1.50	-
AV	5.548G	108.46	Inf	-Inf	7.11	3	Horizontal	9	1.50	-
PK	5.4688G	68.07	68.20	-0.13	6.95	3	Horizontal	9	1.50	-
PK	5.5476G	117.68	Inf	-Inf	7.11	3	Horizontal	9	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

02/02/2019

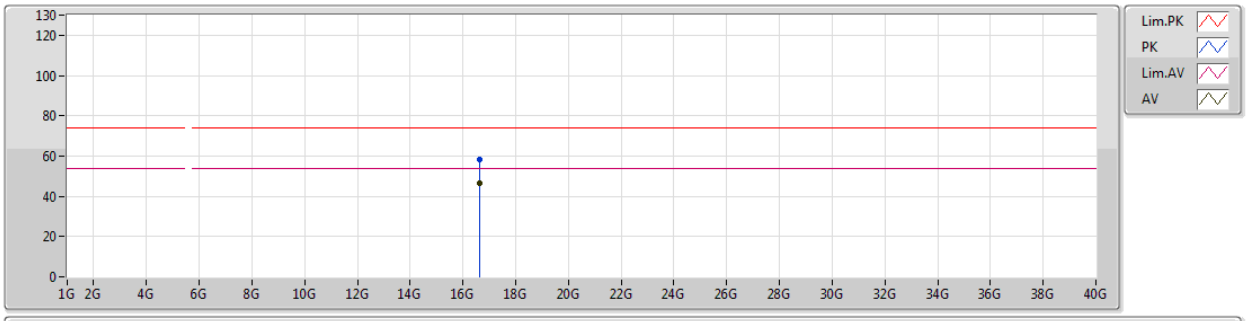


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.64628G	46.95	54.00	-7.05	16.42	3	Vertical	17	1.27	-
PK	16.6617G	58.84	74.00	-15.16	16.47	3	Vertical	17	1.27	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

02/02/2019

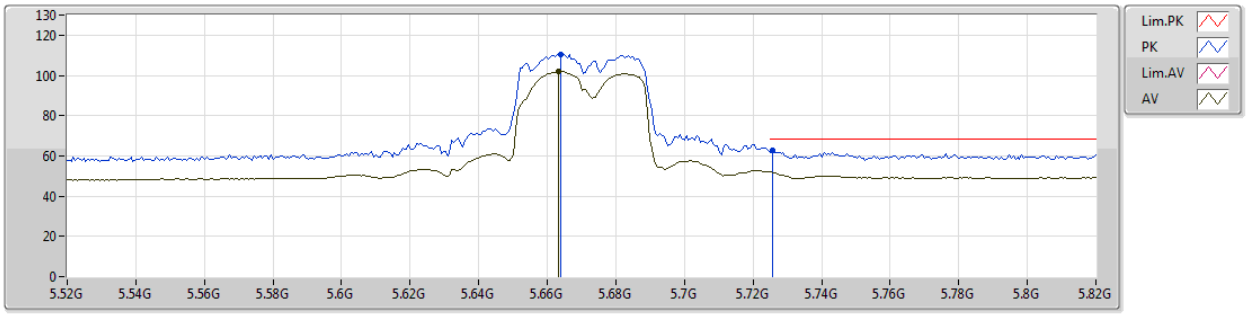


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.6404G	46.59	54.00	-7.41	16.40	3	Horizontal	25	2.94	-
PK	16.64406G	58.36	74.00	-15.64	16.41	3	Horizontal	25	2.94	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

02/02/2019

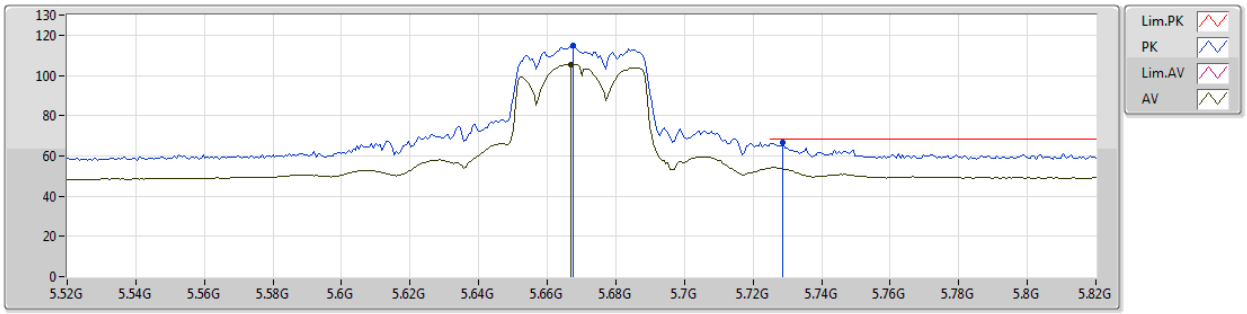


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.6634G	101.78	Inf	-Inf	7.38	3	Vertical	0	1.16	-
PK	5.664G	110.43	Inf	-Inf	7.38	3	Vertical	0	1.16	-
PK	5.7258G	62.75	68.20	-5.45	7.53	3	Vertical	0	1.16	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

02/02/2019

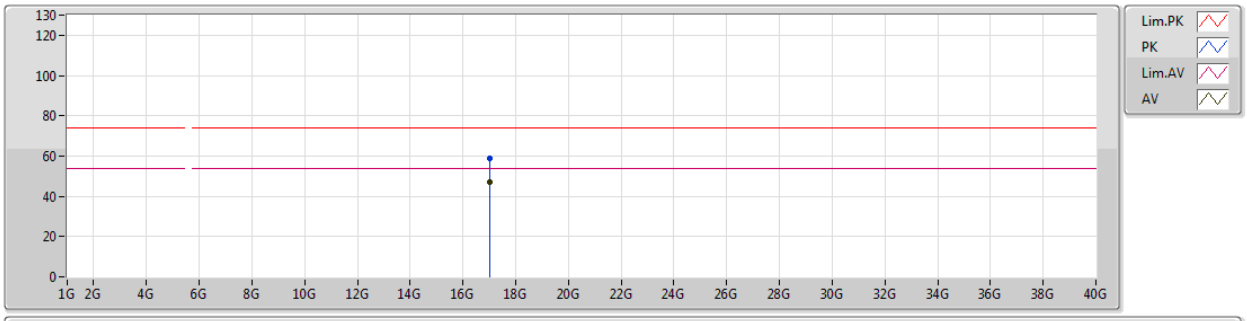


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.667G	105.42	Inf	-Inf	7.39	3	Horizontal	8	1.50	-
PK	5.6676G	114.77	Inf	-Inf	7.39	3	Horizontal	8	1.50	-
PK	5.7288G	66.93	68.20	-1.27	7.54	3	Horizontal	8	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

02/02/2019

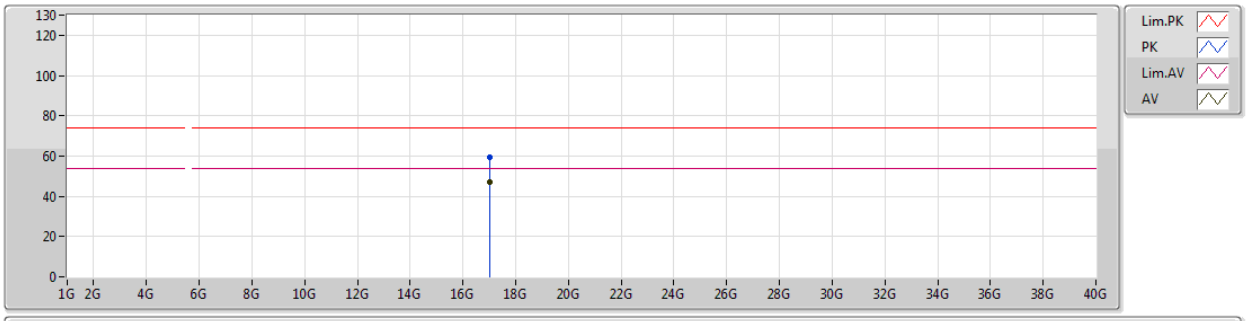


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.00712G	46.96	54.00	-7.04	17.72	3	Vertical	23	2.05	-
PK	17.00178G	58.64	74.00	-15.36	17.67	3	Vertical	23	2.05	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

02/02/2019

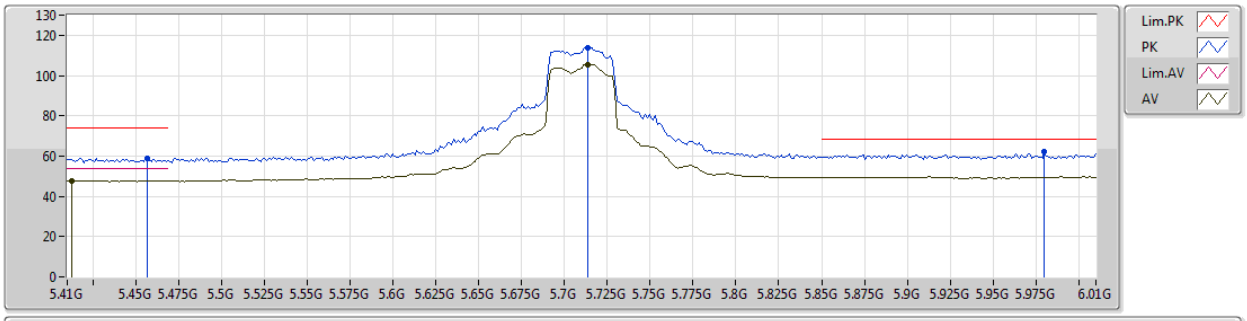


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.00784G	46.96	54.00	-7.04	17.72	3	Horizontal	332	1.58	-
PK	17.00634G	59.43	74.00	-14.57	17.70	3	Horizontal	332	1.58	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

02/02/2019

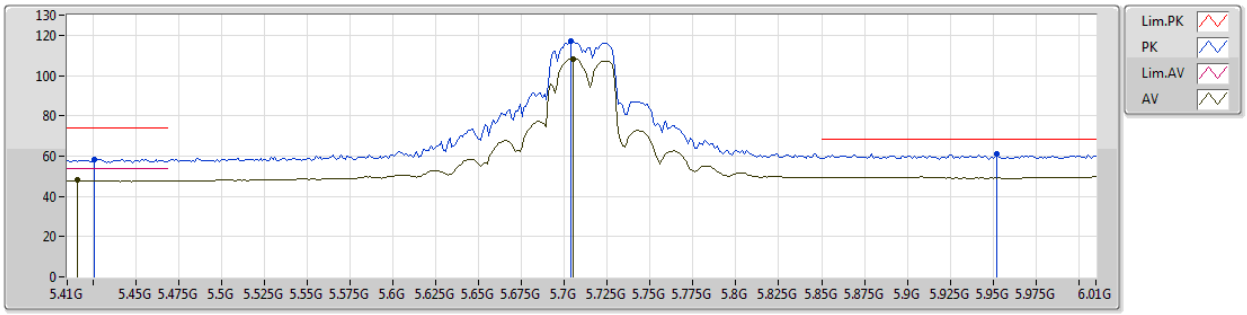


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4124G	47.76	54.00	-6.24	6.87	3	Vertical	25	2.94	-
AV	5.7136G	105.58	Inf	-Inf	7.50	3	Vertical	25	2.94	-
PK	5.4568G	58.74	74.00	-15.26	6.93	3	Vertical	25	2.94	-
PK	5.7136G	113.83	Inf	-Inf	7.50	3	Vertical	25	2.94	-
PK	5.98G	62.20	68.20	-6.00	8.13	3	Vertical	25	2.94	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

02/02/2019

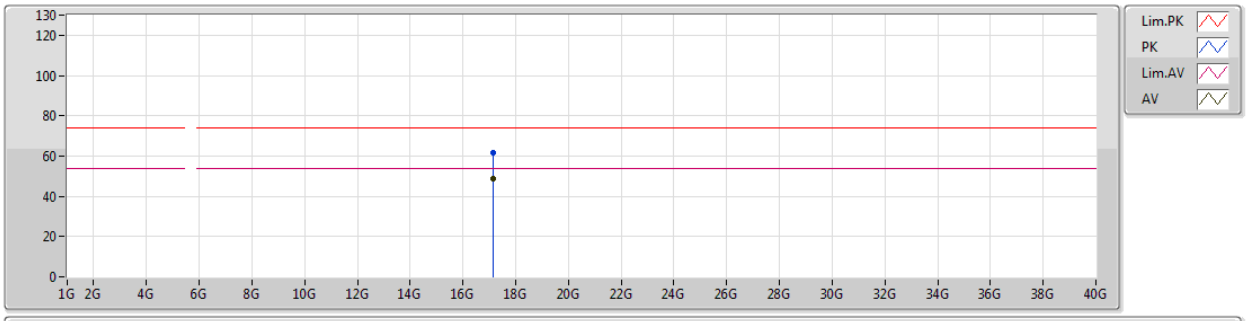


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.416G	47.94	54.00	-6.06	6.87	3	Horizontal	8	1.50	-
AV	5.7052G	108.20	Inf	-Inf	7.49	3	Horizontal	8	1.50	-
PK	5.4256G	58.51	74.00	-15.49	6.89	3	Horizontal	8	1.50	-
PK	5.704G	117.05	Inf	-Inf	7.49	3	Horizontal	8	1.50	-
PK	5.9524G	60.99	68.20	-7.21	8.06	3	Horizontal	8	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

02/02/2019

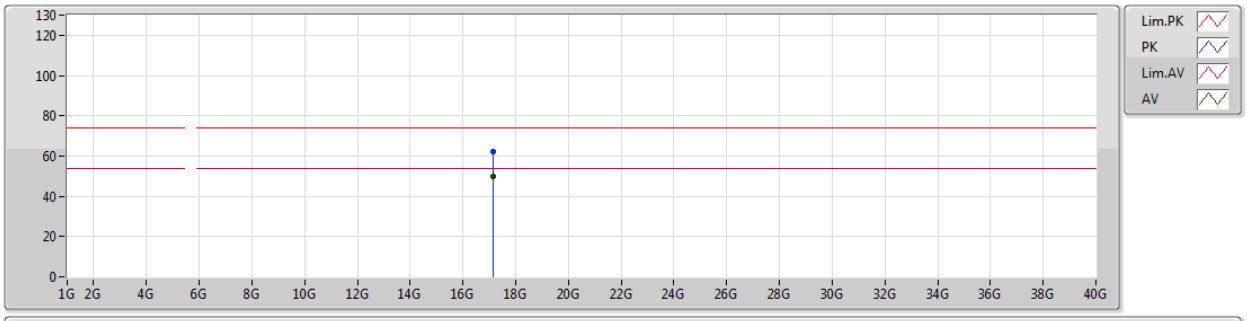


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.1303G	48.68	54.00	-5.32	18.67	3	Vertical	0	2.61	-
PK	17.13204G	61.66	74.00	-12.34	18.68	3	Vertical	0	2.61	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

02/02/2019

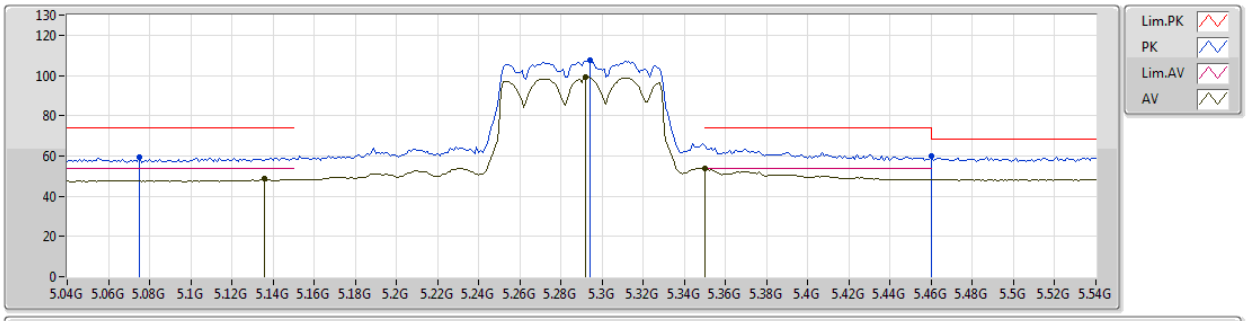


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.13618G	49.68	54.00	-4.32	18.71	3	Horizontal	356	1.32	-
PK	17.13642G	62.42	74.00	-11.58	18.72	3	Horizontal	356	1.32	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

02/02/2019

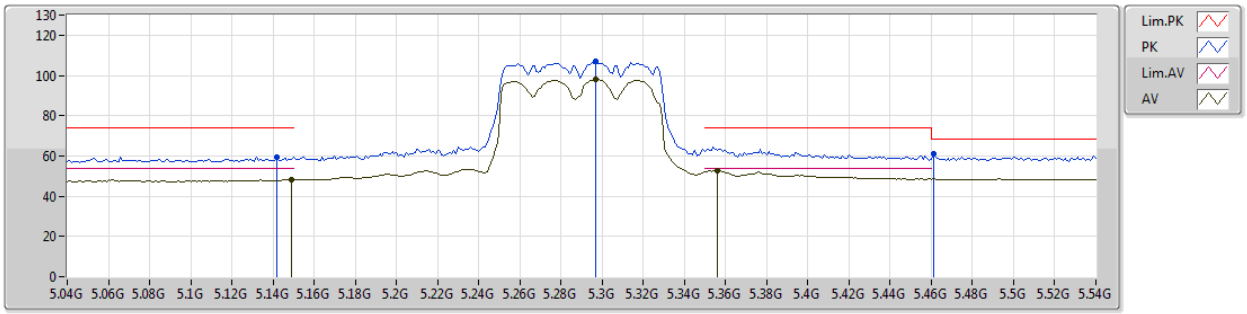


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.136G	48.48	54.00	-5.52	6.45	3	Vertical	8	1.50	-
AV	5.292G	98.99	Inf	-Inf	6.68	3	Vertical	8	1.50	-
AV	5.35G	53.81	54.00	-0.19	6.77	3	Vertical	8	1.50	-
PK	5.075G	59.14	74.00	-14.86	6.36	3	Vertical	8	1.50	-
PK	5.294G	107.42	Inf	-Inf	6.69	3	Vertical	8	1.50	-
PK	5.46G	59.93	68.20	-8.27	6.94	3	Vertical	8	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

02/02/2019

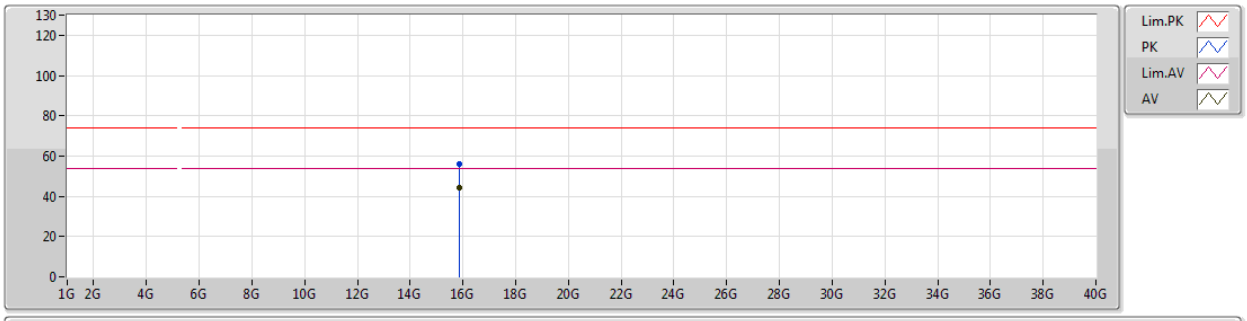


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.149G	48.15	54.00	-5.85	6.47	3	Horizontal	347	1.37	-
AV	5.297G	98.11	Inf	-Inf	6.69	3	Horizontal	347	1.37	-
AV	5.356G	52.66	54.00	-1.34	6.77	3	Horizontal	347	1.37	-
PK	5.142G	59.67	74.00	-14.33	6.46	3	Horizontal	347	1.37	-
PK	5.297G	106.82	Inf	-Inf	6.69	3	Horizontal	347	1.37	-
PK	5.461G	60.98	68.20	-7.22	6.94	3	Horizontal	347	1.37	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

02/02/2019

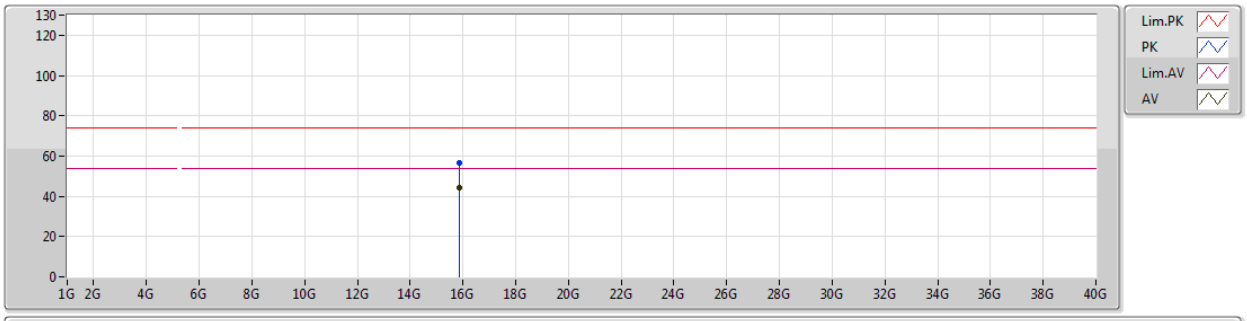


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.8697G	44.33	54.00	-9.67	14.56	3	Vertical	249	1.52	-
PK	15.86987G	55.81	74.00	-18.19	14.56	3	Vertical	249	1.52	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

02/02/2019

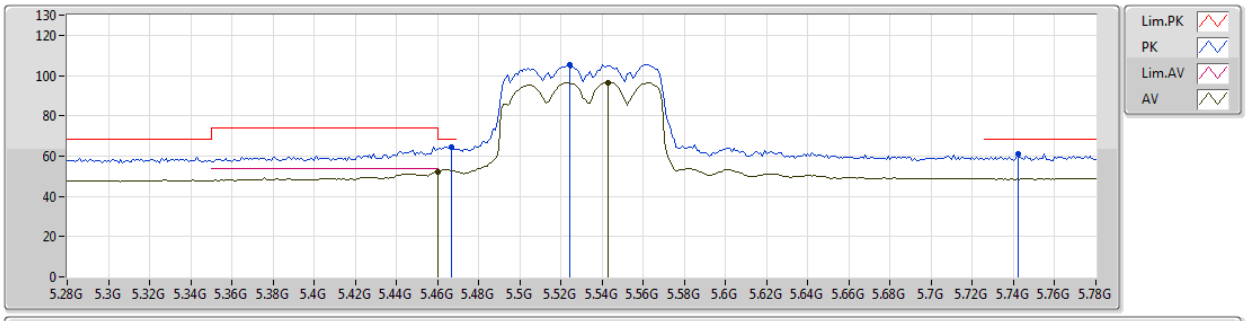


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	15.87014G	44.44	54.00	-9.56	14.56	3	Horizontal	36	2.23	-
PK	15.8713G	56.41	74.00	-17.59	14.56	3	Horizontal	36	2.23	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

02/02/2019

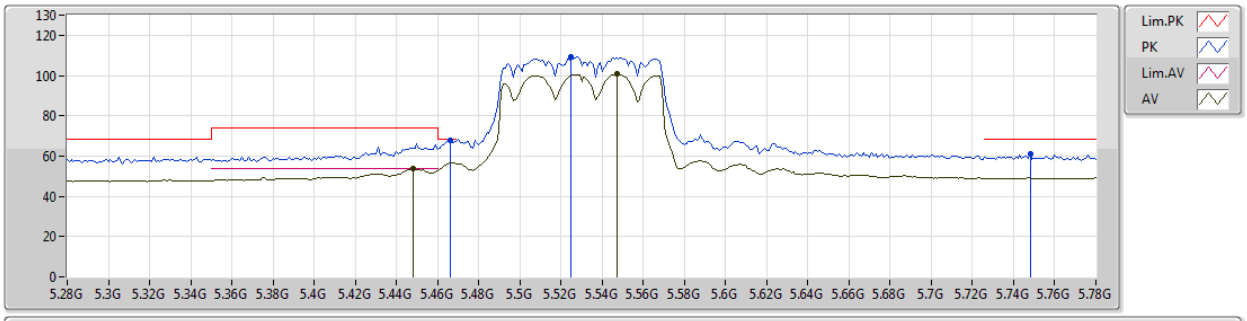


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.46G	52.29	54.00	-1.71	6.94	3	Vertical	0	1.50	-
AV	5.543G	96.63	Inf	-Inf	7.10	3	Vertical	0	1.50	-
PK	5.467G	64.47	68.20	-3.73	6.95	3	Vertical	0	1.50	-
PK	5.524G	105.51	Inf	-Inf	7.04	3	Vertical	0	1.50	-
PK	5.742G	61.23	68.20	-6.97	7.56	3	Vertical	0	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

02/02/2019

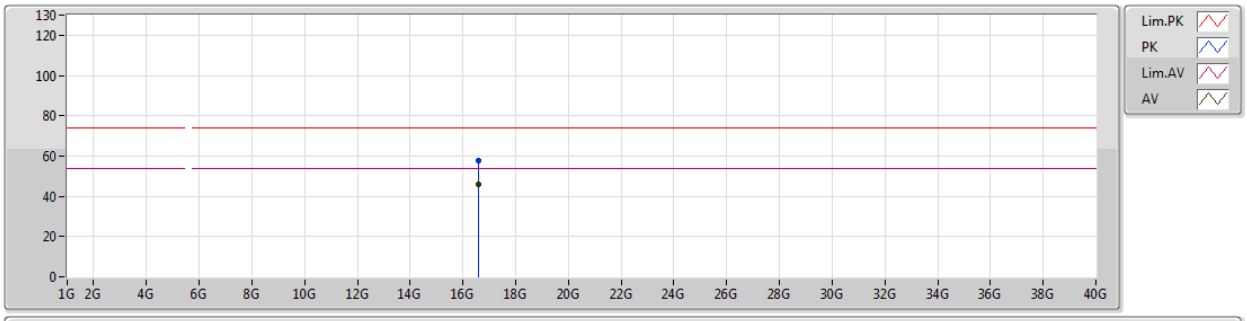


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.448G	53.62	54.00	-0.38	6.91	3	Horizontal	9	1.50	-
AV	5.547G	100.62	Inf	-Inf	7.11	3	Horizontal	9	1.50	-
PK	5.466G	68.08	68.20	-0.12	6.95	3	Horizontal	9	1.50	-
PK	5.525G	109.22	Inf	-Inf	7.04	3	Horizontal	9	1.50	-
PK	5.748G	60.90	68.20	-7.30	7.58	3	Horizontal	9	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

02/02/2019

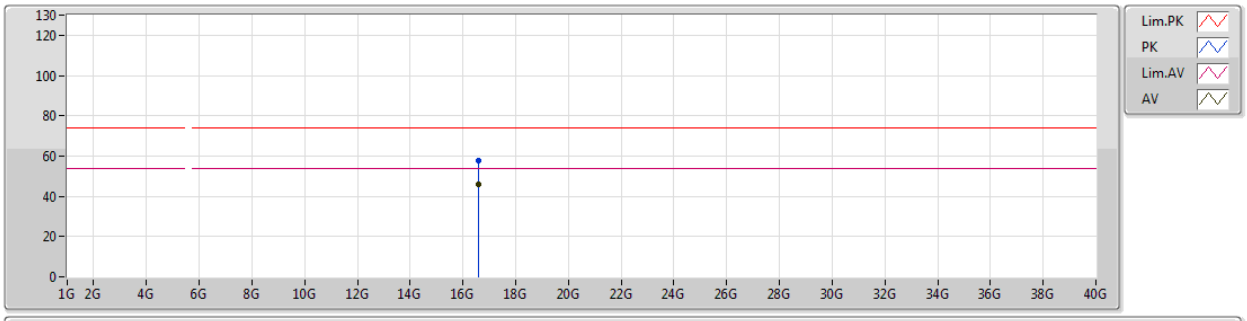


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.59195G	46.12	54.00	-7.88	16.23	3	Vertical	97	2.31	-
PK	16.59044G	57.97	74.00	-16.03	16.23	3	Vertical	97	2.31	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

02/02/2019

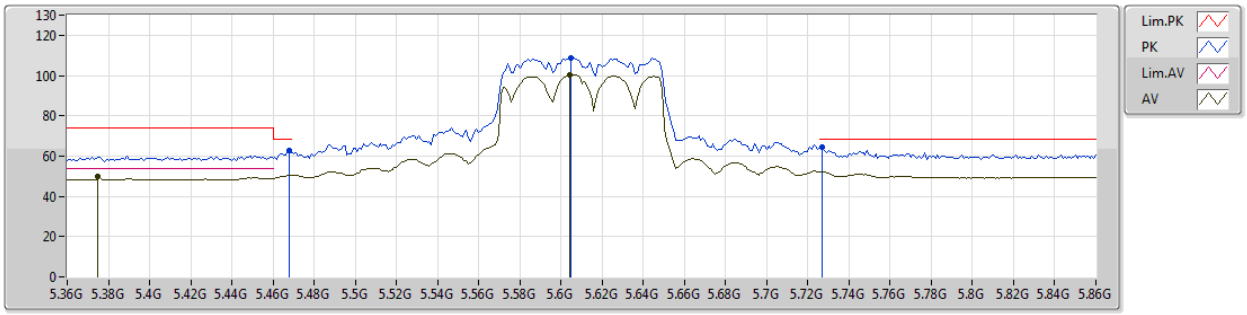


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.59038G	45.91	54.00	-8.09	16.23	3	Horizontal	247	1.29	-
PK	16.58888G	57.71	74.00	-16.29	16.22	3	Horizontal	247	1.29	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

02/02/2019

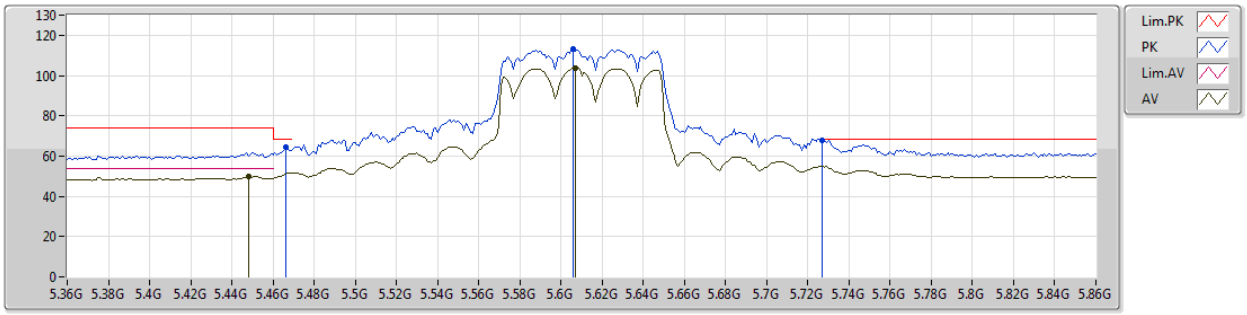


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.375G	49.61	54.00	-4.39	6.81	3	Vertical	6	1.50	-
AV	5.604G	100.35	Inf	-Inf	7.25	3	Vertical	6	1.50	-
PK	5.468G	62.49	68.20	-5.71	6.95	3	Vertical	6	1.50	-
PK	5.605G	108.78	Inf	-Inf	7.25	3	Vertical	6	1.50	-
PK	5.727G	64.48	68.20	-3.72	7.54	3	Vertical	6	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

02/02/2019

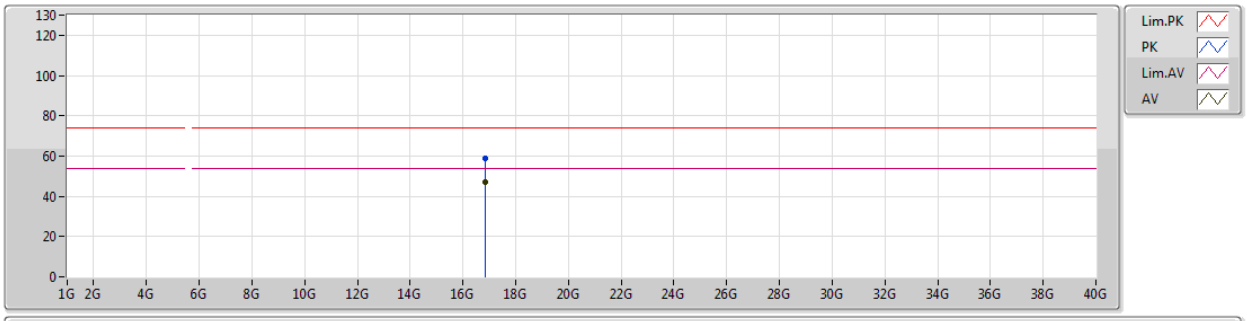


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.448G	49.82	54.00	-4.18	6.91	3	Horizontal	8	1.50	-
AV	5.607G	103.65	Inf	-Inf	7.25	3	Horizontal	8	1.50	-
PK	5.466G	64.19	68.20	-4.01	6.95	3	Horizontal	8	1.50	-
PK	5.606G	113.18	Inf	-Inf	7.25	3	Horizontal	8	1.50	-
PK	5.727G	67.97	68.20	-0.23	7.54	3	Horizontal	8	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

02/02/2019

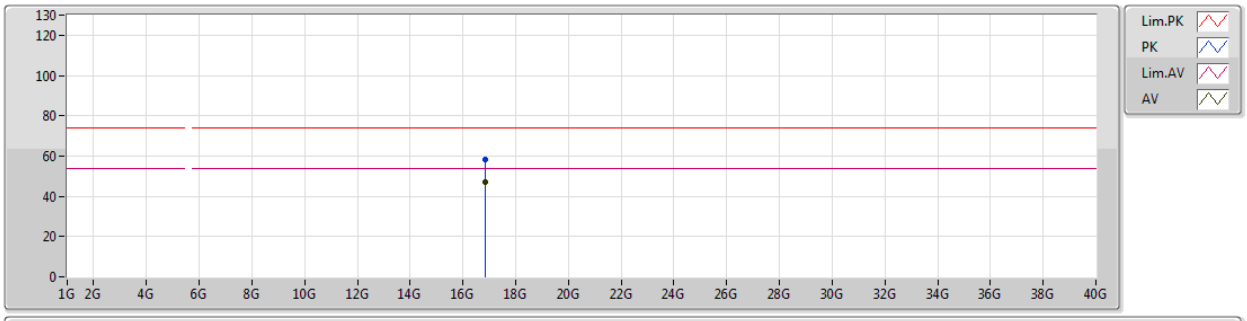


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.83107G	46.95	54.00	-7.05	17.07	3	Vertical	100	1.57	-
PK	16.82923G	58.62	74.00	-15.38	17.06	3	Vertical	100	1.57	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

02/02/2019

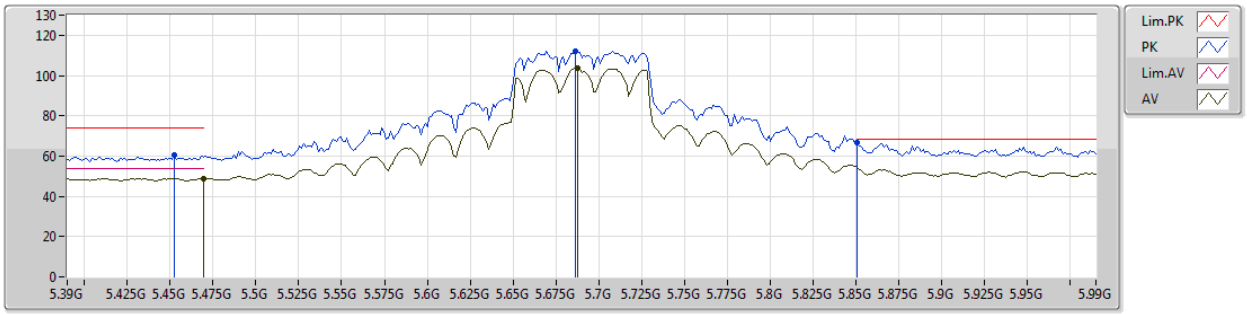


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	16.83213G	46.83	54.00	-7.17	17.07	3	Horizontal	113	1.64	-
PK	16.82775G	58.08	74.00	-15.92	17.05	3	Horizontal	113	1.64	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX

02/02/2019

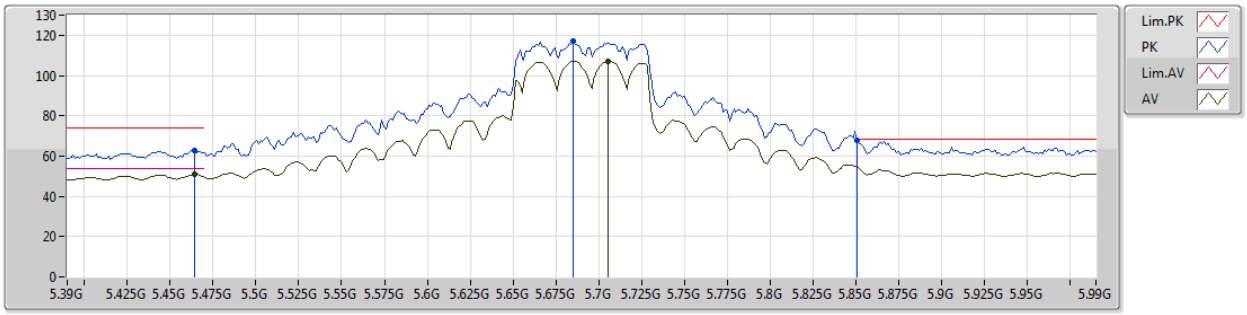


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4692G	48.94	54.00	-5.06	6.95	3	Vertical	318	1.50	-
AV	5.6876G	103.76	Inf	-Inf	7.43	3	Vertical	318	1.50	-
PK	5.4524G	60.39	74.00	-13.61	6.93	3	Vertical	318	1.50	-
PK	5.6864G	112.33	Inf	-Inf	7.43	3	Vertical	318	1.50	-
PK	5.8508G	66.48	68.20	-1.72	7.82	3	Vertical	318	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX

02/02/2019

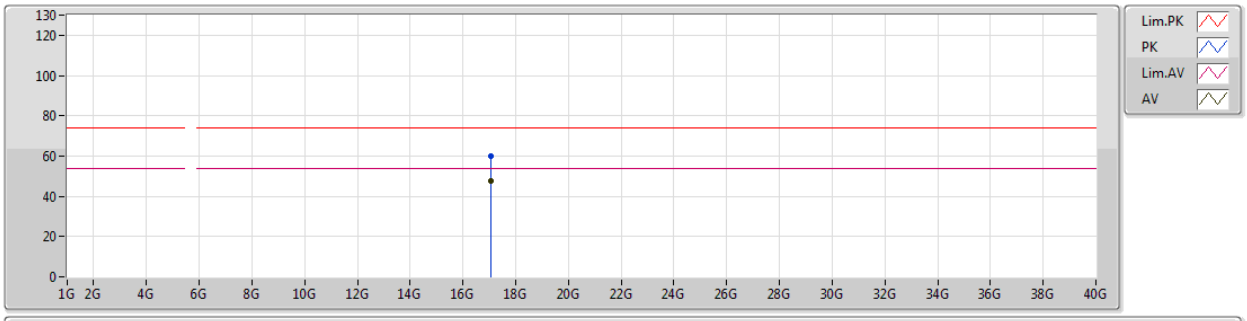


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4644G	50.79	54.00	-3.21	6.95	3	Horizontal	0	1.30	-
AV	5.7056G	107.03	Inf	-Inf	7.49	3	Horizontal	0	1.30	-
PK	5.4644G	62.85	74.00	-11.15	6.95	3	Horizontal	0	1.30	-
PK	5.6852G	116.95	Inf	-Inf	7.43	3	Horizontal	0	1.30	-
PK	5.8508G	67.63	68.20	-0.57	7.82	3	Horizontal	0	1.30	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX

02/02/2019

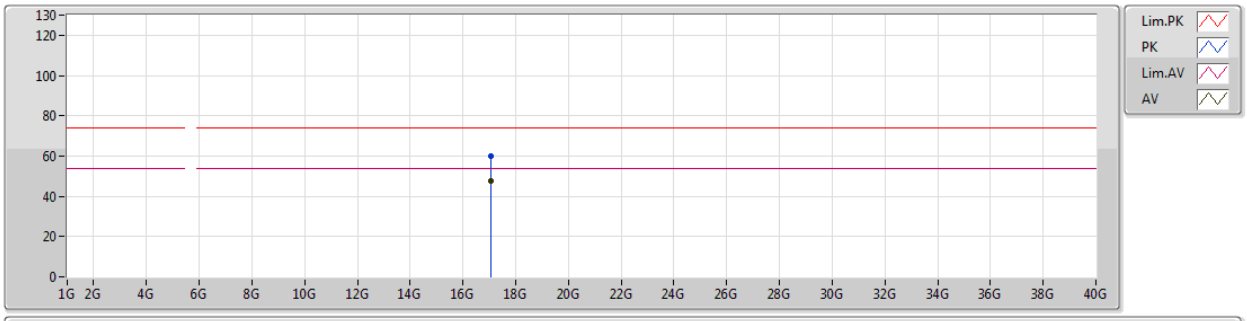


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.06929G	47.89	54.00	-6.11	18.20	3	Vertical	315	1.67	-
PK	17.06765G	59.84	74.00	-14.16	18.19	3	Vertical	315	1.67	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX

02/02/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	17.07063G	47.69	54.00	-6.31	18.21	3	Horizontal	261	2.18	-
PK	17.07174G	59.73	74.00	-14.27	18.22	3	Horizontal	261	2.18	-

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)_2TX	Pass	AV	5.35G	53.75	54.00	-0.25	2.97	3	Horizontal	187	1.03	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.35G	53.83	54.00	-0.17	2.97	3	Horizontal	3	1.74	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.356G	53.44	54.00	-0.56	2.97	3	Horizontal	359	1.50	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.355G	53.56	54.00	-0.44	2.97	3	Horizontal	351	1.73	-
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.7252G	68.00	68.20	-0.20	3.59	3	Horizontal	185	1.01	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	5.7264G	67.61	68.20	-0.59	3.59	3	Horizontal	2	1.81	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	5.4604G	68.12	68.20	-0.08	3.10	3	Horizontal	359	1.49	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.455G	53.52	54.00	-0.48	3.09	3	Horizontal	162	1.46	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.1358G	43.90	54.00	-10.10	2.73	3	Horizontal	187	1.03	-
5260MHz	Pass	AV	5.2546G	112.40	Inf	-Inf	2.86	3	Horizontal	187	1.03	-
5260MHz	Pass	AV	5.35G	44.94	54.00	-9.06	2.97	3	Horizontal	187	1.03	-
5260MHz	Pass	PK	5.1358G	56.35	74.00	-17.65	2.73	3	Horizontal	187	1.03	-
5260MHz	Pass	PK	5.2546G	121.71	Inf	-Inf	2.86	3	Horizontal	187	1.03	-
5260MHz	Pass	PK	5.35G	58.47	74.00	-15.53	2.97	3	Horizontal	187	1.03	-
5260MHz	Pass	AV	10.52006G	43.03	54.00	-10.97	12.98	3	Vertical	210	2.22	-
5260MHz	Pass	PK	10.52102G	55.72	74.00	-18.28	12.98	3	Vertical	210	2.22	-
5260MHz	Pass	AV	10.52G	41.58	54.00	-12.42	13.53	3	Horizontal	176	1.50	-
5260MHz	Pass	PK	10.5202G	53.77	74.00	-20.23	12.63	3	Horizontal	176	1.50	-
5300MHz	Pass	AV	5.2948G	111.72	Inf	-Inf	2.91	3	Horizontal	187	1.03	-
5300MHz	Pass	AV	5.35G	53.75	54.00	-0.25	2.97	3	Horizontal	187	1.03	-
5300MHz	Pass	PK	5.2944G	121.27	Inf	-Inf	2.91	3	Horizontal	187	1.03	-
5300MHz	Pass	PK	5.35G	68.71	74.00	-5.29	2.97	3	Horizontal	187	1.03	-
5300MHz	Pass	AV	10.61212G	41.26	54.00	-12.74	13.19	3	Vertical	334	1.50	-
5300MHz	Pass	PK	10.59538G	54.12	74.00	-19.88	13.14	3	Vertical	334	1.50	-
5300MHz	Pass	AV	10.59334G	41.25	54.00	-12.75	13.14	3	Horizontal	294	1.50	-
5300MHz	Pass	PK	10.59478G	53.84	74.00	-20.16	13.14	3	Horizontal	294	1.50	-
5320MHz	Pass	AV	5.3148G	107.41	Inf	-Inf	2.93	3	Horizontal	186	1.02	-
5320MHz	Pass	AV	5.35G	53.75	54.00	-0.25	2.97	3	Horizontal	186	1.02	-
5320MHz	Pass	PK	5.3144G	116.74	Inf	-Inf	2.93	3	Horizontal	186	1.02	-
5320MHz	Pass	PK	5.35G	67.20	74.00	-6.80	2.97	3	Horizontal	186	1.02	-
5320MHz	Pass	AV	10.64564G	41.17	54.00	-12.83	13.25	3	Vertical	274	1.63	-
5320MHz	Pass	PK	10.6298G	53.84	74.00	-20.16	13.22	3	Vertical	274	1.63	-
5320MHz	Pass	AV	10.64882G	41.12	54.00	-12.88	13.27	3	Horizontal	99	1.50	-
5320MHz	Pass	PK	10.64606G	54.10	74.00	-19.90	13.25	3	Horizontal	99	1.50	-
5500MHz	Pass	AV	5.46G	47.34	54.00	-6.66	3.10	3	Horizontal	188	1.02	-
5500MHz	Pass	AV	5.5046G	107.37	Inf	-Inf	3.15	3	Horizontal	188	1.02	-
5500MHz	Pass	PK	5.4598G	63.68	74.00	-10.32	3.10	3	Horizontal	188	1.02	-
5500MHz	Pass	PK	5.4692G	67.62	68.20	-0.58	3.11	3	Horizontal	188	1.02	-
5500MHz	Pass	PK	5.4992G	116.92	Inf	-Inf	3.14	3	Horizontal	188	1.02	-
5500MHz	Pass	AV	11.00018G	42.31	54.00	-11.69	14.03	3	Vertical	360	2.70	-
5500MHz	Pass	PK	10.98986G	55.18	74.00	-18.82	14.01	3	Vertical	360	2.70	-
5500MHz	Pass	AV	10.98746G	42.27	54.00	-11.73	14.00	3	Horizontal	341	2.06	-
5500MHz	Pass	PK	11.01266G	55.41	74.00	-18.59	14.02	3	Horizontal	341	2.06	-
5580MHz	Pass	AV	5.448G	43.83	54.00	-10.17	3.08	3	Horizontal	184	1.01	-
5580MHz	Pass	AV	5.5752G	112.51	Inf	-Inf	3.29	3	Horizontal	184	1.01	-
5580MHz	Pass	PK	5.469G	55.69	68.20	-12.51	3.11	3	Horizontal	184	1.01	-
5580MHz	Pass	PK	5.5746G	121.92	Inf	-Inf	3.28	3	Horizontal	184	1.01	-
5580MHz	Pass	PK	5.7282G	57.38	68.20	-10.82	3.59	3	Horizontal	184	1.01	-
5580MHz	Pass	AV	11.16138G	42.89	54.00	-11.11	13.88	3	Vertical	86	1.62	-
5580MHz	Pass	PK	11.16108G	55.62	74.00	-18.38	13.88	3	Vertical	86	1.62	-
5580MHz	Pass	AV	11.1618G	44.06	54.00	-9.94	13.88	3	Horizontal	1	1.09	-
5580MHz	Pass	PK	11.16624G	56.70	74.00	-17.30	13.88	3	Horizontal	1	1.09	-
5700MHz	Pass	AV	5.6948G	105.91	Inf	-Inf	3.53	3	Horizontal	185	1.01	-
5700MHz	Pass	PK	5.7056G	115.43	Inf	-Inf	3.55	3	Horizontal	185	1.01	-
5700MHz	Pass	PK	5.7252G	68.00	68.20	-0.20	3.59	3	Horizontal	185	1.01	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5700MHz	Pass	AV	11.40072G	41.52	54.00	-12.48	13.66	3	Vertical	280	1.12	-
5700MHz	Pass	PK	11.4012G	54.47	74.00	-19.53	13.66	3	Vertical	280	1.12	-
5700MHz	Pass	AV	11.3985G	41.64	54.00	-12.36	13.66	3	Horizontal	126	1.50	-
5700MHz	Pass	PK	11.41152G	54.37	74.00	-19.63	13.64	3	Horizontal	126	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4236G	43.52	54.00	-10.48	3.06	3	Horizontal	184	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7188G	112.37	Inf	-Inf	3.58	3	Horizontal	184	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.462G	54.77	68.20	-13.43	3.10	3	Horizontal	184	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.714G	121.60	Inf	-Inf	3.57	3	Horizontal	184	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8688G	57.86	68.20	-10.34	3.87	3	Horizontal	184	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.44048G	42.26	54.00	-11.74	13.62	3	Vertical	32	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43592G	54.95	74.00	-19.05	13.63	3	Vertical	32	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43964G	41.57	54.00	-12.43	13.62	3	Horizontal	343	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.4517G	54.46	74.00	-19.54	13.62	3	Horizontal	343	1.50	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.1202G	44.39	54.00	-9.61	2.70	3	Horizontal	2	1.66	-
5260MHz	Pass	AV	5.266G	112.79	Inf	-Inf	2.88	3	Horizontal	2	1.66	-
5260MHz	Pass	AV	5.35G	46.08	54.00	-7.92	2.97	3	Horizontal	2	1.66	-
5260MHz	Pass	PK	5.1496G	59.56	74.00	-14.44	2.74	3	Horizontal	2	1.66	-
5260MHz	Pass	PK	5.2672G	123.40	Inf	-Inf	2.88	3	Horizontal	2	1.66	-
5260MHz	Pass	PK	5.35G	65.21	74.00	-8.79	2.97	3	Horizontal	2	1.66	-
5260MHz	Pass	AV	10.52042G	41.57	54.00	-12.43	12.98	3	Vertical	317	1.44	-
5260MHz	Pass	PK	10.51946G	55.16	74.00	-18.84	12.98	3	Vertical	317	1.44	-
5260MHz	Pass	AV	10.52G	43.78	54.00	-10.22	12.98	3	Horizontal	21	1.54	-
5260MHz	Pass	PK	10.52372G	57.72	74.00	-16.28	12.99	3	Horizontal	21	1.54	-
5300MHz	Pass	AV	5.3084G	111.47	Inf	-Inf	2.93	3	Horizontal	175	1.27	-
5300MHz	Pass	AV	5.3504G	53.41	54.00	-0.59	2.97	3	Horizontal	175	1.27	-
5300MHz	Pass	PK	5.3076G	122.03	Inf	-Inf	2.92	3	Horizontal	175	1.27	-
5300MHz	Pass	PK	5.3508G	69.25	74.00	-4.75	2.97	3	Horizontal	175	1.27	-
5300MHz	Pass	AV	10.59976G	41.61	54.00	-12.39	13.15	3	Vertical	319	1.83	-
5300MHz	Pass	PK	10.60066G	55.01	74.00	-18.99	13.15	3	Vertical	319	1.83	-
5300MHz	Pass	AV	10.59976G	41.87	54.00	-12.13	13.15	3	Horizontal	22	1.63	-
5300MHz	Pass	PK	10.59862G	56.18	74.00	-17.82	13.15	3	Horizontal	22	1.63	-
5320MHz	Pass	AV	5.3252G	108.76	Inf	-Inf	2.95	3	Horizontal	3	1.74	-
5320MHz	Pass	AV	5.35G	53.83	54.00	-0.17	2.97	3	Horizontal	3	1.74	-
5320MHz	Pass	PK	5.3252G	119.44	Inf	-Inf	2.95	3	Horizontal	3	1.74	-
5320MHz	Pass	PK	5.35G	69.07	74.00	-4.93	2.97	3	Horizontal	3	1.74	-
5320MHz	Pass	AV	10.64792G	40.50	54.00	-13.50	13.26	3	Vertical	64	1.50	-
5320MHz	Pass	PK	10.62782G	54.17	74.00	-19.83	13.22	3	Vertical	64	1.50	-
5320MHz	Pass	AV	10.63976G	40.69	54.00	-13.31	13.25	3	Horizontal	303	2.20	-
5320MHz	Pass	PK	10.62992G	54.55	74.00	-19.45	13.22	3	Horizontal	303	2.20	-
5500MHz	Pass	AV	5.46G	45.75	54.00	-8.25	3.10	3	Horizontal	178	1.64	-
5500MHz	Pass	AV	5.5054G	106.92	Inf	-Inf	3.15	3	Horizontal	178	1.64	-
5500MHz	Pass	PK	5.4596G	60.47	74.00	-13.53	3.10	3	Horizontal	178	1.64	-
5500MHz	Pass	PK	5.4688G	66.59	68.20	-1.61	3.11	3	Horizontal	178	1.64	-
5500MHz	Pass	PK	5.505G	117.61	Inf	-Inf	3.15	3	Horizontal	178	1.64	-
5500MHz	Pass	AV	11G	43.37	54.00	-10.63	14.03	3	Vertical	330	1.30	-
5500MHz	Pass	PK	11.01032G	55.90	74.00	-18.10	14.03	3	Vertical	330	1.30	-
5500MHz	Pass	AV	11G	43.40	54.00	-10.60	14.03	3	Horizontal	327	1.32	-
5500MHz	Pass	PK	11.00978G	56.06	74.00	-17.94	14.03	3	Horizontal	327	1.32	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5580MHz	Pass	AV	5.4402G	43.00	54.00	-11.00	3.07	3	Horizontal	0	1.20	-
5580MHz	Pass	AV	5.5878G	110.79	Inf	-Inf	3.31	3	Horizontal	0	1.20	-
5580MHz	Pass	PK	5.463G	55.89	68.20	-12.31	3.10	3	Horizontal	0	1.20	-
5580MHz	Pass	PK	5.5878G	121.58	Inf	-Inf	3.31	3	Horizontal	0	1.20	-
5580MHz	Pass	PK	5.7282G	56.90	68.20	-11.30	3.59	3	Horizontal	0	1.20	-
5580MHz	Pass	AV	11.1651G	44.94	54.00	-9.06	13.88	3	Vertical	322	1.74	-
5580MHz	Pass	PK	11.16552G	59.21	74.00	-14.79	13.88	3	Vertical	322	1.74	-
5580MHz	Pass	AV	11.16486G	45.07	54.00	-8.93	13.88	3	Horizontal	328	1.00	-
5580MHz	Pass	PK	11.16444G	59.10	74.00	-14.90	13.88	3	Horizontal	328	1.00	-
5700MHz	Pass	AV	5.7028G	105.03	Inf	-Inf	3.54	3	Horizontal	2	1.81	-
5700MHz	Pass	PK	5.7016G	116.20	Inf	-Inf	3.54	3	Horizontal	2	1.81	-
5700MHz	Pass	PK	5.7264G	67.61	68.20	-0.59	3.59	3	Horizontal	2	1.81	-
5700MHz	Pass	AV	11.4084G	40.67	54.00	-13.33	13.65	3	Vertical	293	1.50	-
5700MHz	Pass	PK	11.40774G	53.90	74.00	-20.10	13.65	3	Vertical	293	1.50	-
5700MHz	Pass	AV	11.415G	40.72	54.00	-13.28	13.65	3	Horizontal	286	1.81	-
5700MHz	Pass	PK	11.40744G	54.01	74.00	-19.99	13.65	3	Horizontal	286	1.81	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4404G	42.21	54.00	-11.79	3.07	3	Horizontal	1	1.59	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7224G	112.16	Inf	-Inf	3.59	3	Horizontal	1	1.59	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4656G	54.39	68.20	-13.81	3.11	3	Horizontal	1	1.59	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7224G	122.41	Inf	-Inf	3.59	3	Horizontal	1	1.59	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8652G	57.01	68.20	-11.19	3.86	3	Horizontal	1	1.59	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43994G	44.26	54.00	-9.74	13.62	3	Vertical	330	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44258G	57.66	74.00	-16.34	13.62	3	Vertical	330	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43976G	43.18	54.00	-10.82	13.62	3	Horizontal	334	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.4445G	57.01	74.00	-16.99	13.62	3	Horizontal	334	1.50	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	AV	5.2732G	107.94	Inf	-Inf	2.88	3	Horizontal	170	2.29	-
5270MHz	Pass	AV	5.3528G	52.90	54.00	-1.10	2.97	3	Horizontal	170	2.29	-
5270MHz	Pass	PK	5.274G	116.94	Inf	-Inf	2.88	3	Horizontal	170	2.29	-
5270MHz	Pass	PK	5.3508G	67.37	74.00	-6.63	2.97	3	Horizontal	170	2.29	-
5270MHz	Pass	AV	10.53982G	42.13	54.00	-11.87	13.04	3	Vertical	332	1.49	-
5270MHz	Pass	PK	10.54588G	54.41	74.00	-19.59	13.04	3	Vertical	332	1.49	-
5270MHz	Pass	AV	10.54G	42.78	54.00	-11.22	13.04	3	Horizontal	17	1.56	-
5270MHz	Pass	PK	10.534G	54.46	74.00	-19.54	13.01	3	Horizontal	17	1.56	-
5310MHz	Pass	AV	5.3164G	104.29	Inf	-Inf	2.93	3	Horizontal	359	1.50	-
5310MHz	Pass	AV	5.356G	53.44	54.00	-0.56	2.97	3	Horizontal	359	1.50	-
5310MHz	Pass	PK	5.316G	113.14	Inf	-Inf	2.93	3	Horizontal	359	1.50	-
5310MHz	Pass	PK	5.356G	65.55	74.00	-8.45	2.97	3	Horizontal	359	1.50	-
5310MHz	Pass	AV	10.61742G	41.29	54.00	-12.71	13.20	3	Vertical	305	1.50	-
5310MHz	Pass	PK	10.63332G	54.12	74.00	-19.88	13.24	3	Vertical	305	1.50	-
5310MHz	Pass	AV	10.62504G	41.42	54.00	-12.58	13.22	3	Horizontal	24	1.79	-
5310MHz	Pass	PK	10.6275G	53.94	74.00	-20.06	13.22	3	Horizontal	24	1.79	-
5510MHz	Pass	AV	5.458G	50.97	54.00	-3.03	3.09	3	Horizontal	171	1.50	-
5510MHz	Pass	AV	5.5164G	104.03	Inf	-Inf	3.17	3	Horizontal	171	1.50	-
5510MHz	Pass	PK	5.4696G	68.00	68.20	-0.20	3.11	3	Horizontal	171	1.50	-
5510MHz	Pass	PK	5.516G	113.09	Inf	-Inf	3.17	3	Horizontal	171	1.50	-
5510MHz	Pass	AV	11.01988G	43.31	54.00	-10.69	14.01	3	Vertical	310	1.50	-
5510MHz	Pass	PK	11.01292G	54.99	74.00	-19.01	14.02	3	Vertical	310	1.50	-
5510MHz	Pass	AV	11.01994G	43.39	54.00	-10.61	14.01	3	Horizontal	321	1.26	-

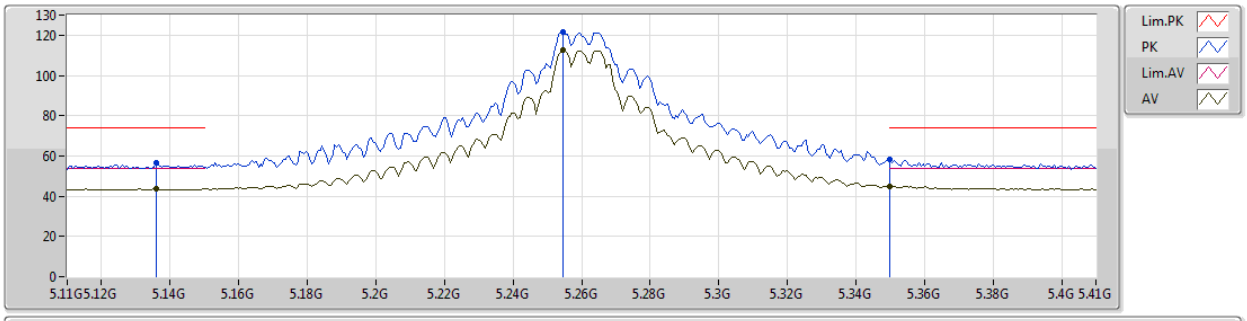
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5510MHz	Pass	PK	11.0146G	55.56	74.00	-18.44	14.02	3	Horizontal	321	1.26	-
5550MHz	Pass	AV	5.4584G	53.55	54.00	-0.45	3.10	3	Horizontal	359	1.49	-
5550MHz	Pass	AV	5.5556G	108.51	Inf	-Inf	3.25	3	Horizontal	359	1.49	-
5550MHz	Pass	PK	5.4604G	68.12	68.20	-0.08	3.10	3	Horizontal	359	1.49	-
5550MHz	Pass	PK	5.5572G	117.54	Inf	-Inf	3.25	3	Horizontal	359	1.49	-
5550MHz	Pass	AV	11.1G	44.19	54.00	-9.81	13.94	3	Vertical	317	1.06	-
5550MHz	Pass	PK	11.09994G	55.69	74.00	-18.31	13.94	3	Vertical	317	1.06	-
5550MHz	Pass	AV	11.10636G	44.33	54.00	-9.67	13.93	3	Horizontal	15	1.50	-
5550MHz	Pass	PK	11.10906G	56.92	74.00	-17.08	13.93	3	Horizontal	15	1.50	-
5670MHz	Pass	AV	5.6748G	105.55	Inf	-Inf	3.48	3	Horizontal	354	1.64	-
5670MHz	Pass	PK	5.6742G	114.67	Inf	-Inf	3.48	3	Horizontal	354	1.64	-
5670MHz	Pass	PK	5.7348G	67.34	68.20	-0.86	3.60	3	Horizontal	354	1.64	-
5670MHz	Pass	AV	11.33262G	41.52	54.00	-12.48	13.72	3	Vertical	232	1.50	-
5670MHz	Pass	PK	11.3259G	54.19	74.00	-19.81	13.73	3	Vertical	232	1.50	-
5670MHz	Pass	AV	11.3271G	41.80	54.00	-12.20	13.73	3	Horizontal	304	2.97	-
5670MHz	Pass	PK	11.3265G	54.72	74.00	-19.28	13.73	3	Horizontal	304	2.97	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.44G	42.94	54.00	-11.06	3.07	3	Horizontal	354	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.716G	110.24	Inf	-Inf	3.57	3	Horizontal	354	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4664G	54.20	68.20	-14.00	3.11	3	Horizontal	354	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.716G	119.19	Inf	-Inf	3.57	3	Horizontal	354	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.8552G	57.42	68.20	-10.78	3.84	3	Horizontal	354	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.4277G	43.54	54.00	-10.46	13.63	3	Vertical	323	1.02	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.4085G	56.23	74.00	-17.77	13.65	3	Vertical	323	1.02	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.43146G	42.69	54.00	-11.31	13.64	3	Horizontal	310	2.13	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.41196G	55.11	74.00	-18.89	13.64	3	Horizontal	310	2.13	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	AV	5.12G	45.58	54.00	-8.42	2.70	3	Horizontal	351	1.73	-
5290MHz	Pass	AV	5.278G	100.58	Inf	-Inf	2.88	3	Horizontal	351	1.73	-
5290MHz	Pass	AV	5.355G	53.56	54.00	-0.44	2.97	3	Horizontal	351	1.73	-
5290MHz	Pass	PK	5.139G	57.23	74.00	-16.77	2.73	3	Horizontal	351	1.73	-
5290MHz	Pass	PK	5.278G	110.87	Inf	-Inf	2.88	3	Horizontal	351	1.73	-
5290MHz	Pass	PK	5.357G	65.18	74.00	-8.82	2.97	3	Horizontal	351	1.73	-
5290MHz	Pass	AV	10.57526G	41.34	54.00	-12.66	13.11	3	Vertical	98	2.02	-
5290MHz	Pass	PK	10.57748G	54.46	74.00	-19.54	13.11	3	Vertical	98	2.02	-
5290MHz	Pass	AV	10.58G	41.73	54.00	-12.27	13.11	3	Horizontal	4	1.50	-
5290MHz	Pass	PK	10.59236G	54.45	74.00	-19.55	13.14	3	Horizontal	4	1.50	-
5530MHz	Pass	AV	5.455G	53.52	54.00	-0.48	3.09	3	Horizontal	162	1.46	-
5530MHz	Pass	AV	5.536G	99.33	Inf	-Inf	3.22	3	Horizontal	162	1.46	-
5530MHz	Pass	PK	5.469G	66.93	68.20	-1.27	3.11	3	Horizontal	162	1.46	-
5530MHz	Pass	PK	5.537G	109.21	Inf	-Inf	3.22	3	Horizontal	162	1.46	-
5530MHz	Pass	PK	5.735G	57.17	68.20	-11.03	3.60	3	Horizontal	162	1.46	-
5530MHz	Pass	AV	11.06G	42.76	54.00	-11.24	13.97	3	Vertical	301	1.46	-
5530MHz	Pass	PK	11.07278G	55.10	74.00	-18.90	13.96	3	Vertical	301	1.46	-
5530MHz	Pass	AV	11.05994G	42.94	54.00	-11.06	13.97	3	Horizontal	304	1.32	-
5530MHz	Pass	PK	11.0549G	54.99	74.00	-19.01	13.98	3	Horizontal	304	1.32	-
5610MHz	Pass	AV	5.459G	46.98	54.00	-7.02	3.10	3	Horizontal	348	1.49	-
5610MHz	Pass	AV	5.616G	101.55	Inf	-Inf	3.37	3	Horizontal	348	1.49	-
5610MHz	Pass	PK	5.462G	59.57	68.20	-8.63	3.10	3	Horizontal	348	1.49	-
5610MHz	Pass	PK	5.617G	111.36	Inf	-Inf	3.37	3	Horizontal	348	1.49	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5610MHz	Pass	PK	5.735G	67.53	68.20	-0.67	3.60	3	Horizontal	348	1.49	-
5610MHz	Pass	AV	11.21538G	41.82	54.00	-12.18	13.83	3	Vertical	245	1.47	-
5610MHz	Pass	PK	11.22042G	54.48	74.00	-19.52	13.83	3	Vertical	245	1.47	-
5610MHz	Pass	AV	11.21988G	42.31	54.00	-11.69	13.83	3	Horizontal	359	1.50	-
5610MHz	Pass	PK	11.23212G	54.50	74.00	-19.50	13.82	3	Horizontal	359	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.456G	48.34	54.00	-5.66	3.09	3	Horizontal	350	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.696G	106.34	Inf	-Inf	3.53	3	Horizontal	350	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4692G	62.05	68.20	-6.15	3.11	3	Horizontal	350	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.714G	116.01	Inf	-Inf	3.57	3	Horizontal	350	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8544G	67.63	68.20	-0.57	3.84	3	Horizontal	350	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.38672G	42.88	54.00	-11.12	13.68	3	Vertical	309	2.23	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.38618G	56.00	74.00	-18.00	13.68	3	Vertical	309	2.23	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.38744G	41.86	54.00	-12.14	13.68	3	Horizontal	303	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.39236G	54.41	74.00	-19.59	13.66	3	Horizontal	303	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

29/01/2019

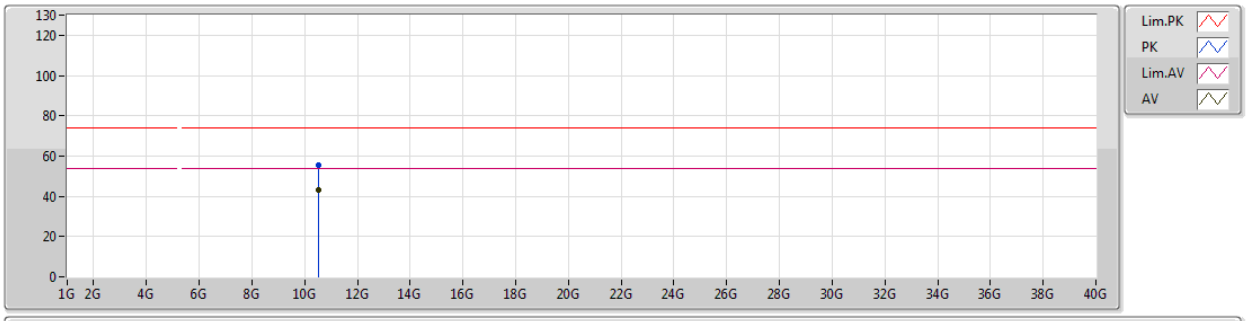


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1358G	43.90	54.00	-10.10	2.73	3	Horizontal	187	1.03	-
AV	5.2546G	112.40	Inf	-Inf	2.86	3	Horizontal	187	1.03	-
AV	5.35G	44.94	54.00	-9.06	2.97	3	Horizontal	187	1.03	-
PK	5.1358G	56.35	74.00	-17.65	2.73	3	Horizontal	187	1.03	-
PK	5.2546G	121.71	Inf	-Inf	2.86	3	Horizontal	187	1.03	-
PK	5.35G	58.47	74.00	-15.53	2.97	3	Horizontal	187	1.03	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

29/01/2019

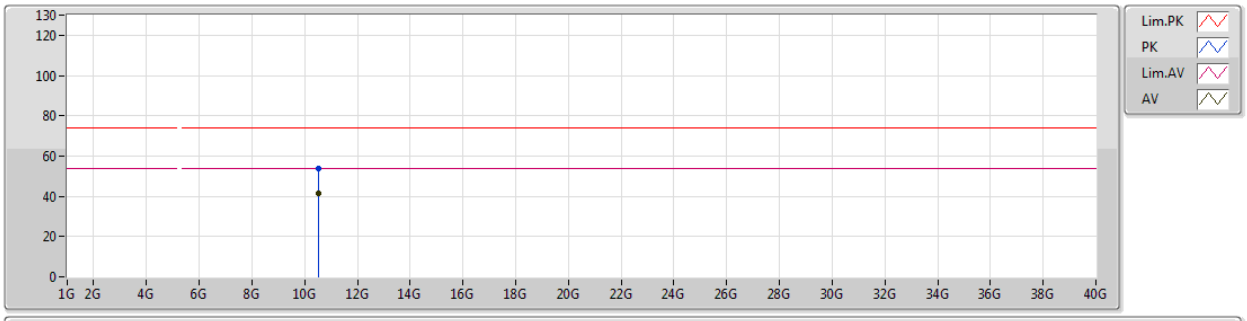


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.52006G	43.03	54.00	-10.97	12.98	3	Vertical	210	2.22	-
PK	10.52102G	55.72	74.00	-18.28	12.98	3	Vertical	210	2.22	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

29/01/2019

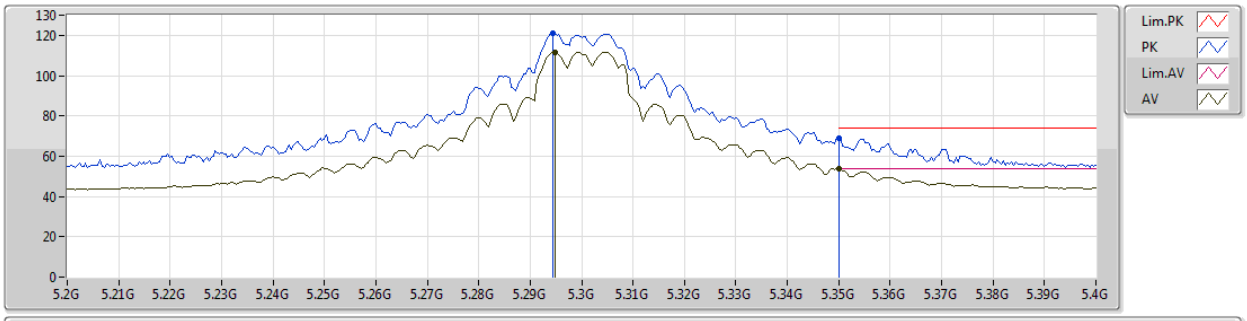


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.52G	41.58	54.00	-12.42	13.53	3	Horizontal	176	1.50	-
PK	10.5202G	53.77	74.00	-20.23	12.63	3	Horizontal	176	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

29/01/2019

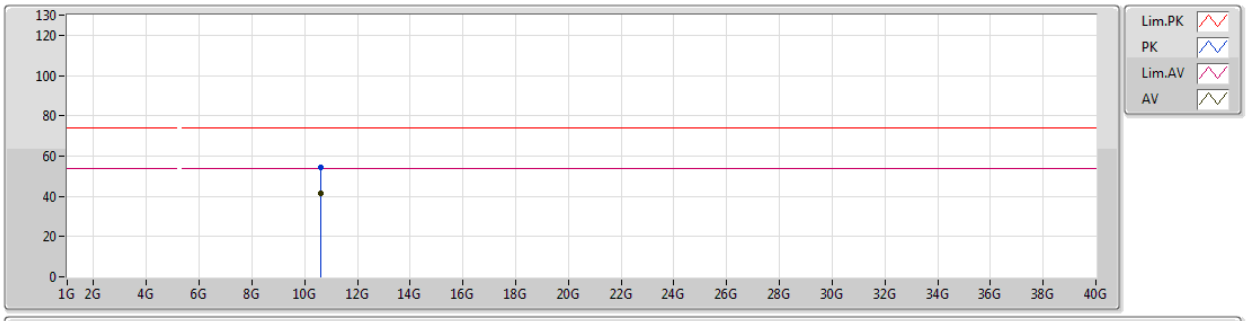


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.2948G	111.72	Inf	-Inf	2.91	3	Horizontal	187	1.03	-
AV	5.35G	53.75	54.00	-0.25	2.97	3	Horizontal	187	1.03	-
PK	5.2944G	121.27	Inf	-Inf	2.91	3	Horizontal	187	1.03	-
PK	5.35G	68.71	74.00	-5.29	2.97	3	Horizontal	187	1.03	-

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

29/01/2019

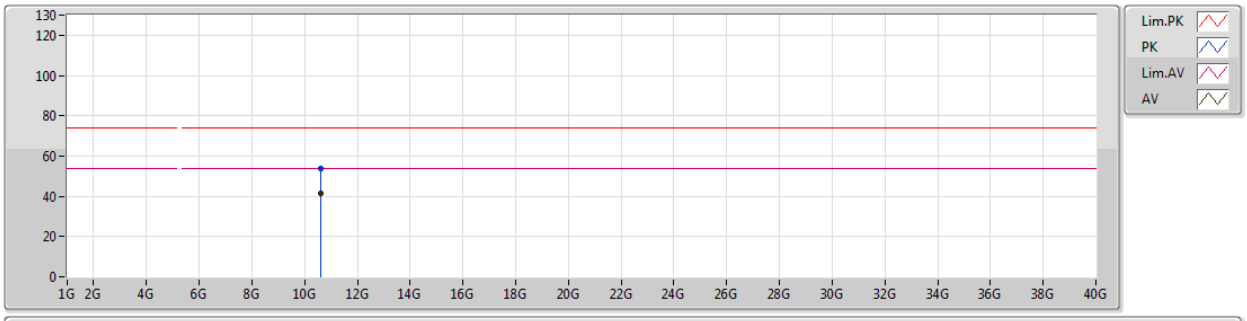


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.61212G	41.26	54.00	-12.74	13.19	3	Vertical	334	1.50	-
PK	10.59538G	54.12	74.00	-19.88	13.14	3	Vertical	334	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

29/01/2019

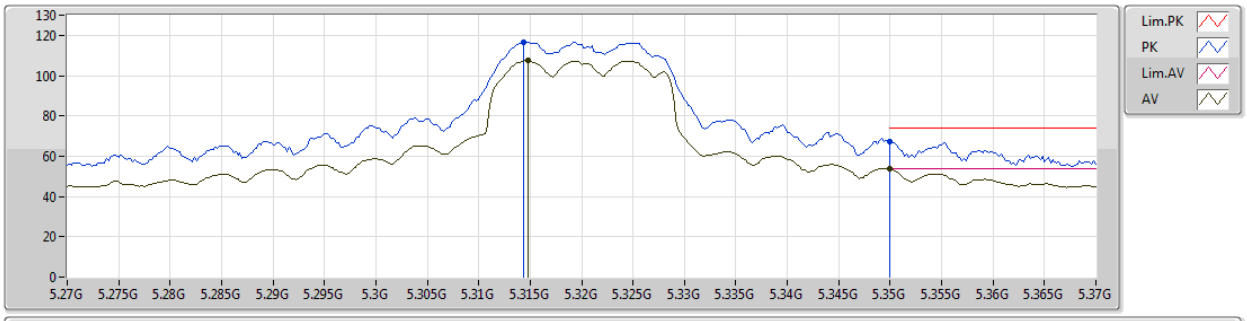


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.59334G	41.25	54.00	-12.75	13.14	3	Horizontal	294	1.50	-
PK	10.59478G	53.84	74.00	-20.16	13.14	3	Horizontal	294	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

29/01/2019

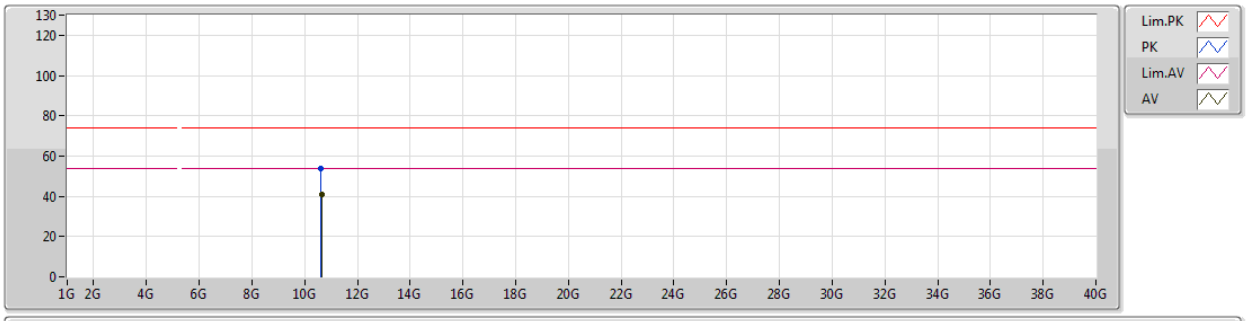


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3148G	107.41	Inf	-Inf	2.93	3	Horizontal	186	1.02	-
AV	5.35G	53.75	54.00	-0.25	2.97	3	Horizontal	186	1.02	-
PK	5.3144G	116.74	Inf	-Inf	2.93	3	Horizontal	186	1.02	-
PK	5.35G	67.20	74.00	-6.80	2.97	3	Horizontal	186	1.02	-

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

29/01/2019

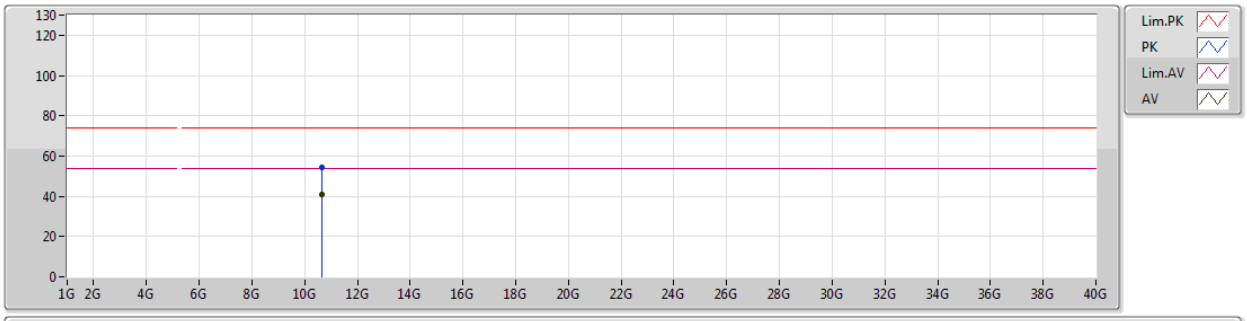


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.64564G	41.17	54.00	-12.83	13.25	3	Vertical	274	1.63	-
PK	10.6298G	53.84	74.00	-20.16	13.22	3	Vertical	274	1.63	-

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

29/01/2019

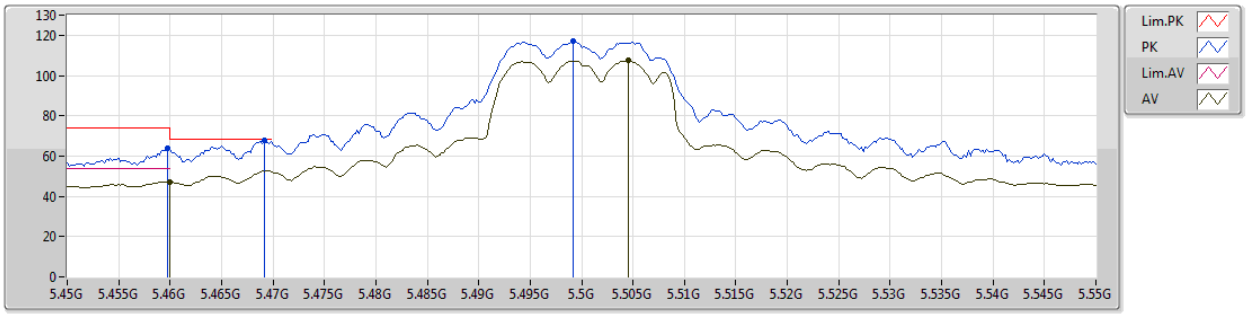


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.64882G	41.12	54.00	-12.88	13.27	3	Horizontal	99	1.50	-
PK	10.64606G	54.10	74.00	-19.90	13.25	3	Horizontal	99	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

29/01/2019

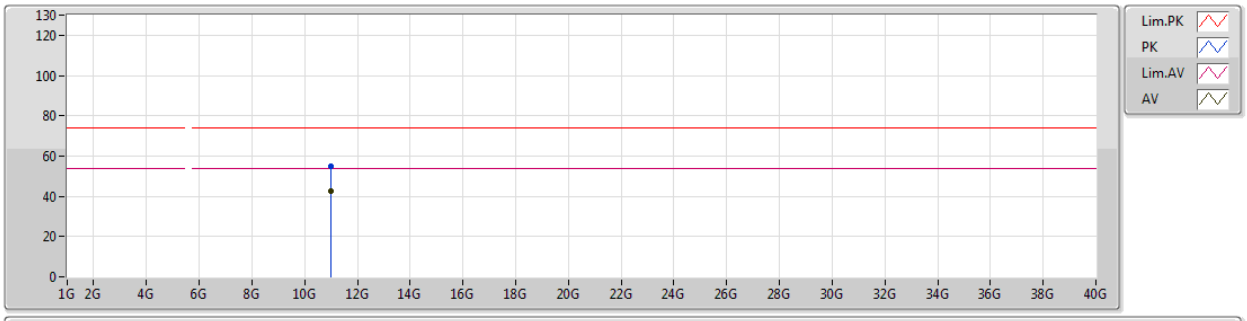


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.46G	47.34	54.00	-6.66	3.10	3	Horizontal	188	1.02	-
AV	5.5046G	107.37	Inf	-Inf	3.15	3	Horizontal	188	1.02	-
PK	5.4598G	63.68	74.00	-10.32	3.10	3	Horizontal	188	1.02	-
PK	5.4692G	67.62	68.20	-0.58	3.11	3	Horizontal	188	1.02	-
PK	5.4992G	116.92	Inf	-Inf	3.14	3	Horizontal	188	1.02	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

29/01/2019

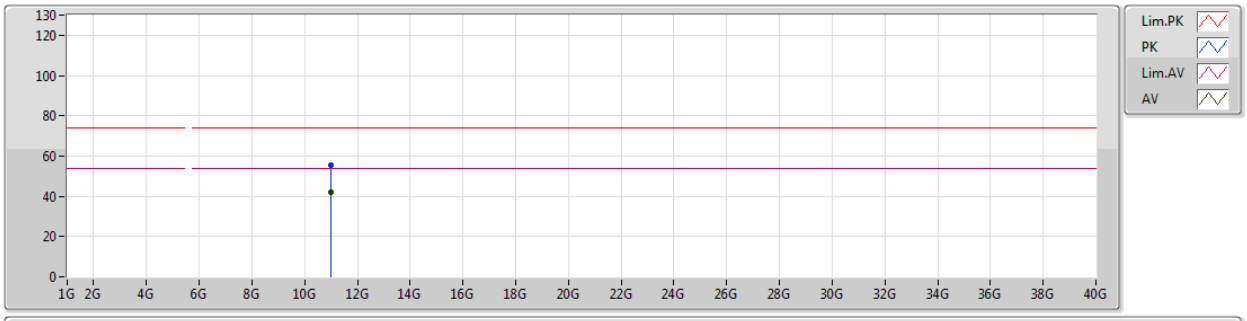


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.00018G	42.31	54.00	-11.69	14.03	3	Vertical	360	2.70	-
PK	10.98986G	55.18	74.00	-18.82	14.01	3	Vertical	360	2.70	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

29/01/2019

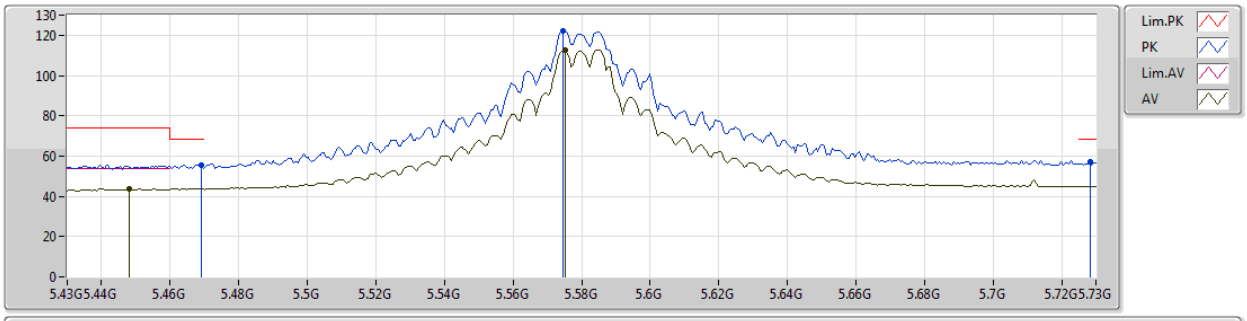


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.98746G	42.27	54.00	-11.73	14.00	3	Horizontal	341	2.06	-
PK	11.01266G	55.41	74.00	-18.59	14.02	3	Horizontal	341	2.06	-

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

29/01/2019

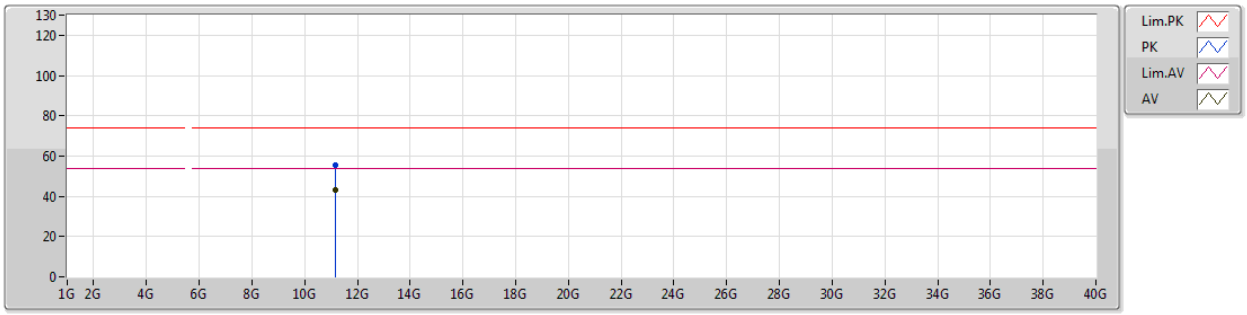


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.448G	43.83	54.00	-10.17	3.08	3	Horizontal	184	1.01	-
AV	5.5752G	112.51	Inf	-Inf	3.29	3	Horizontal	184	1.01	-
PK	5.469G	55.69	68.20	-12.51	3.11	3	Horizontal	184	1.01	-
PK	5.5746G	121.92	Inf	-Inf	3.28	3	Horizontal	184	1.01	-
PK	5.7282G	57.38	68.20	-10.82	3.59	3	Horizontal	184	1.01	-

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

29/01/2019

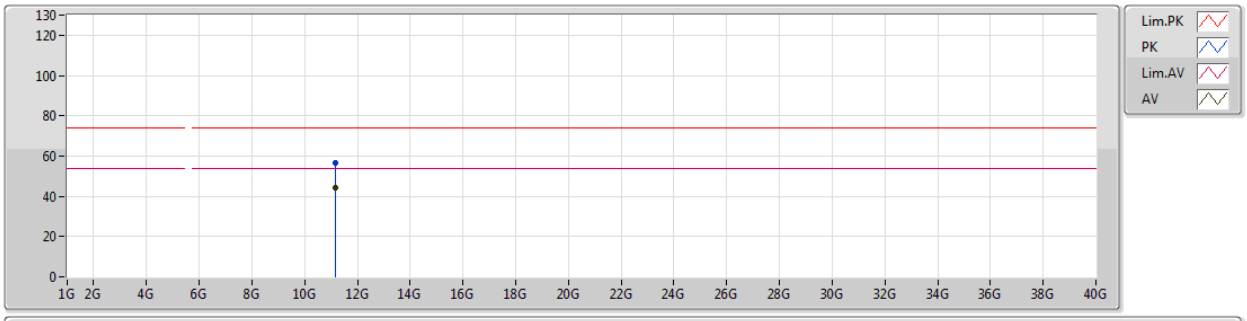


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.16138G	42.89	54.00	-11.11	13.88	3	Vertical	86	1.62	-
PK	11.16108G	55.62	74.00	-18.38	13.88	3	Vertical	86	1.62	-

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

29/01/2019

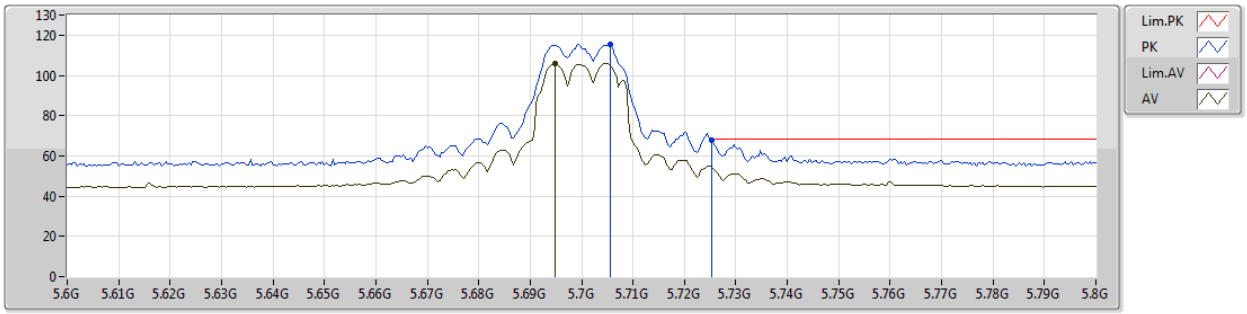


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.1618G	44.06	54.00	-9.94	13.88	3	Horizontal	1	1.09	-
PK	11.16624G	56.70	74.00	-17.30	13.88	3	Horizontal	1	1.09	-

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

30/01/2019

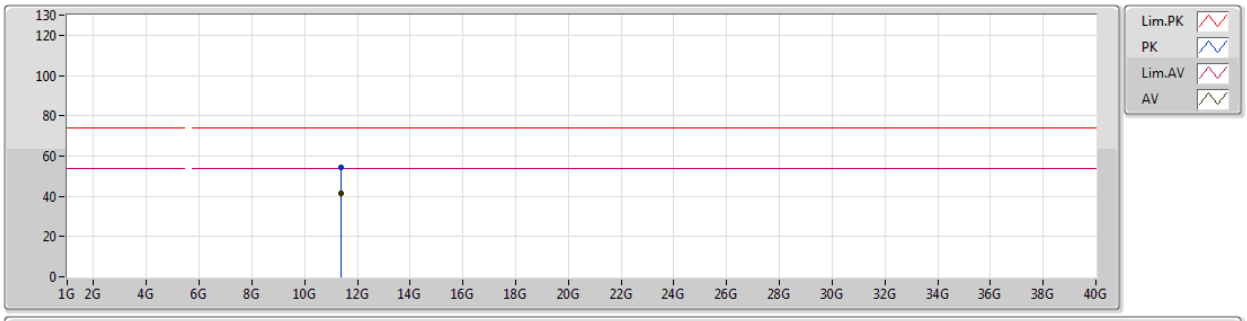


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.6948G	105.91	Inf	-Inf	3.53	3	Horizontal	185	1.01	-
PK	5.7056G	115.43	Inf	-Inf	3.55	3	Horizontal	185	1.01	-
PK	5.7252G	68.00	68.20	-0.20	3.59	3	Horizontal	185	1.01	-

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

30/01/2019

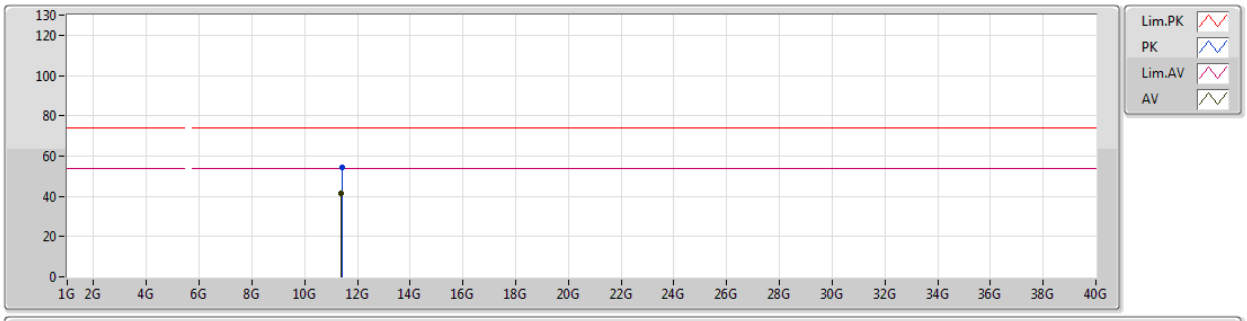


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.40072G	41.52	54.00	-12.48	13.66	3	Vertical	280	1.12	-
PK	11.4012G	54.47	74.00	-19.53	13.66	3	Vertical	280	1.12	-

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

30/01/2019

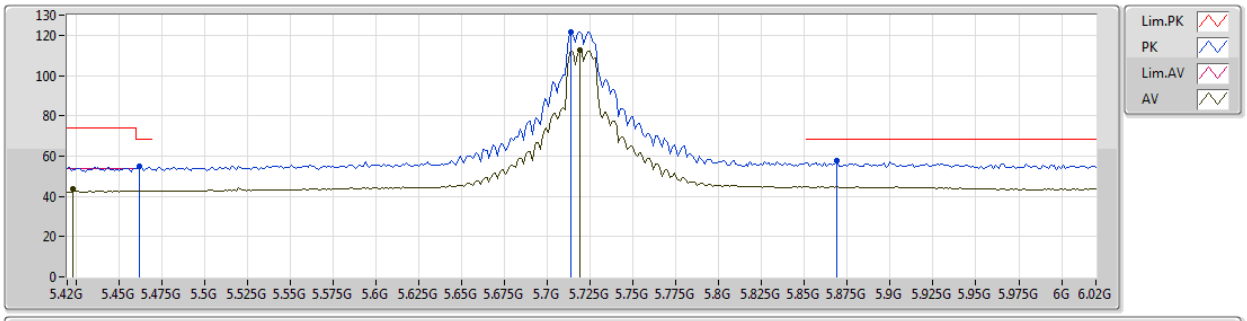


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.3985G	41.64	54.00	-12.36	13.66	3	Horizontal	126	1.50	-
PK	11.41152G	54.37	74.00	-19.63	13.64	3	Horizontal	126	1.50	-

802.11a_Nss1,(6Mbps)_2TX

30/01/2019

5720MHz Straddle 5.47-5.725GHz_TX

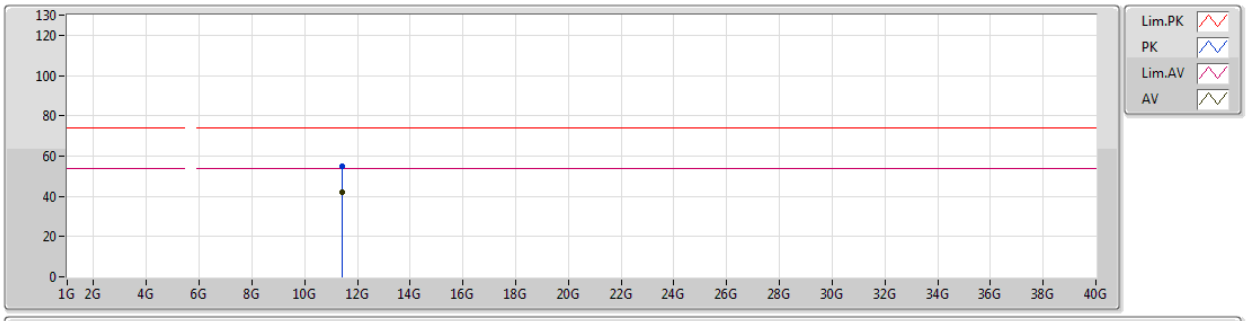


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4236G	43.52	54.00	-10.48	3.06	3	Horizontal	184	1.01	-
AV	5.7188G	112.37	Inf	-Inf	3.58	3	Horizontal	184	1.01	-
PK	5.462G	54.77	68.20	-13.43	3.10	3	Horizontal	184	1.01	-
PK	5.714G	121.60	Inf	-Inf	3.57	3	Horizontal	184	1.01	-
PK	5.8688G	57.86	68.20	-10.34	3.87	3	Horizontal	184	1.01	-

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

30/01/2019

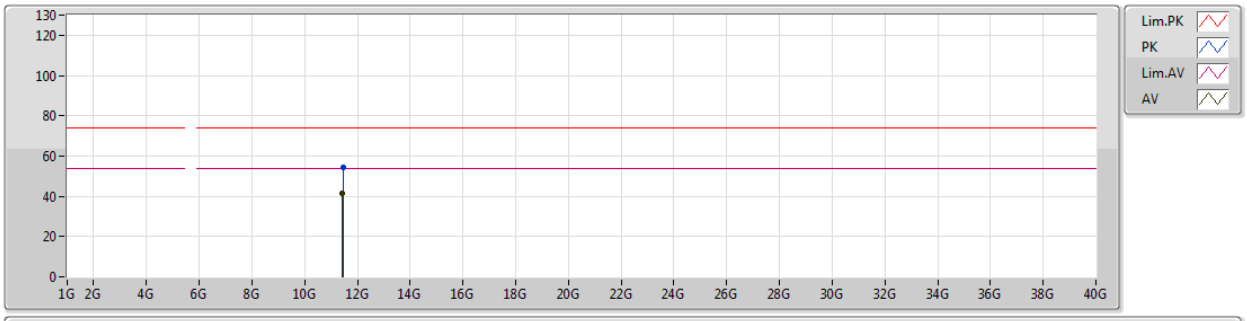


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.44048G	42.26	54.00	-11.74	13.62	3	Vertical	32	1.50	-
PK	11.43592G	54.95	74.00	-19.05	13.63	3	Vertical	32	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

30/01/2019

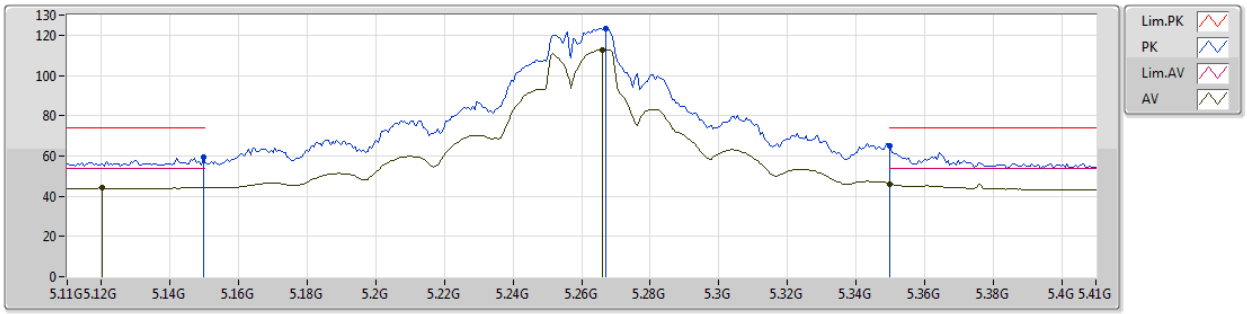


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.43964G	41.57	54.00	-12.43	13.62	3	Horizontal	343	1.50	-
PK	11.4517G	54.46	74.00	-19.54	13.62	3	Horizontal	343	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

30/01/2019

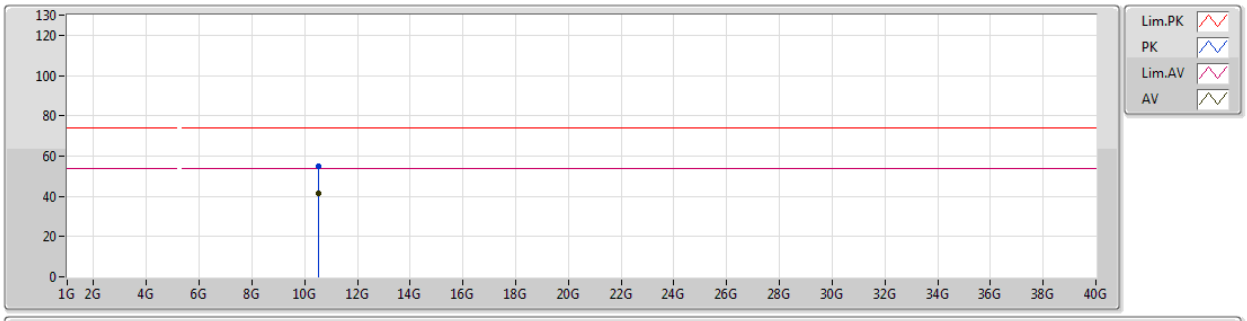


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1202G	44.39	54.00	-9.61	2.70	3	Horizontal	2	1.66	-
AV	5.266G	112.79	Inf	-Inf	2.88	3	Horizontal	2	1.66	-
AV	5.35G	46.08	54.00	-7.92	2.97	3	Horizontal	2	1.66	-
PK	5.1496G	59.56	74.00	-14.44	2.74	3	Horizontal	2	1.66	-
PK	5.2672G	123.40	Inf	-Inf	2.88	3	Horizontal	2	1.66	-
PK	5.35G	65.21	74.00	-8.79	2.97	3	Horizontal	2	1.66	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

30/01/2019

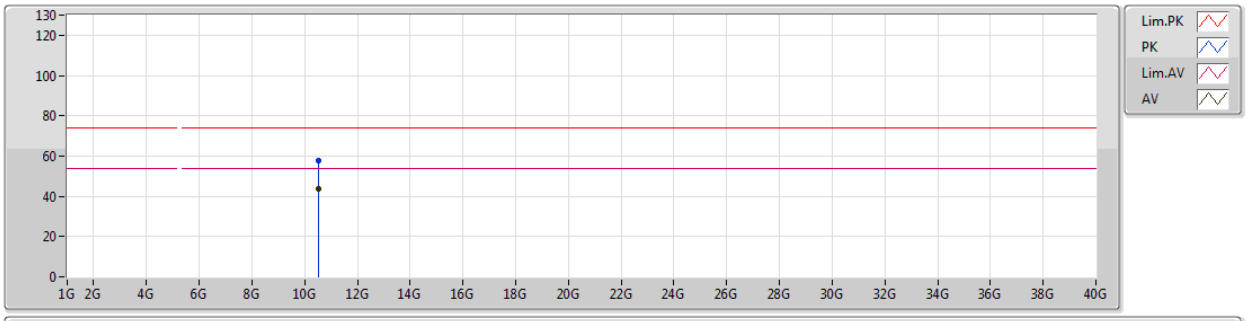


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.52042G	41.57	54.00	-12.43	12.98	3	Vertical	317	1.44	-
PK	10.51946G	55.16	74.00	-18.84	12.98	3	Vertical	317	1.44	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

30/01/2019

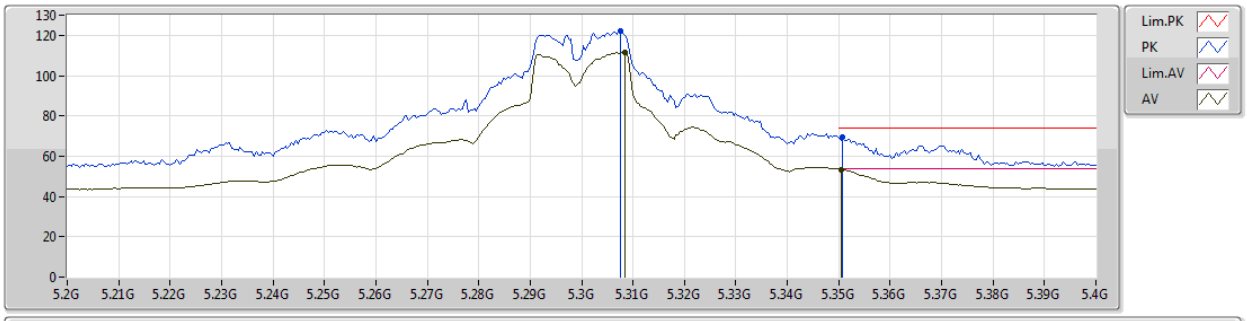


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.52G	43.78	54.00	-10.22	12.98	3	Horizontal	21	1.54	-
PK	10.52372G	57.72	74.00	-16.28	12.99	3	Horizontal	21	1.54	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

30/01/2019

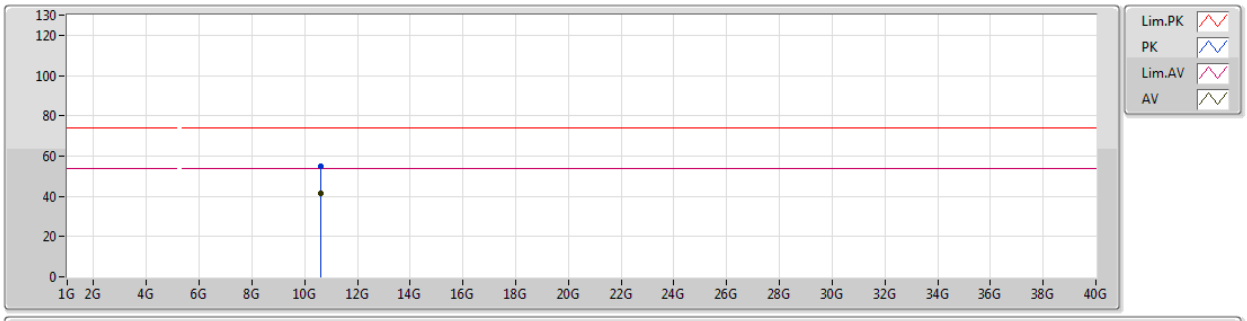


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3084G	111.47	Inf	-Inf	2.93	3	Horizontal	175	1.27	-
AV	5.3504G	53.41	54.00	-0.59	2.97	3	Horizontal	175	1.27	-
PK	5.3076G	122.03	Inf	-Inf	2.92	3	Horizontal	175	1.27	-
PK	5.3508G	69.25	74.00	-4.75	2.97	3	Horizontal	175	1.27	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

30/01/2019

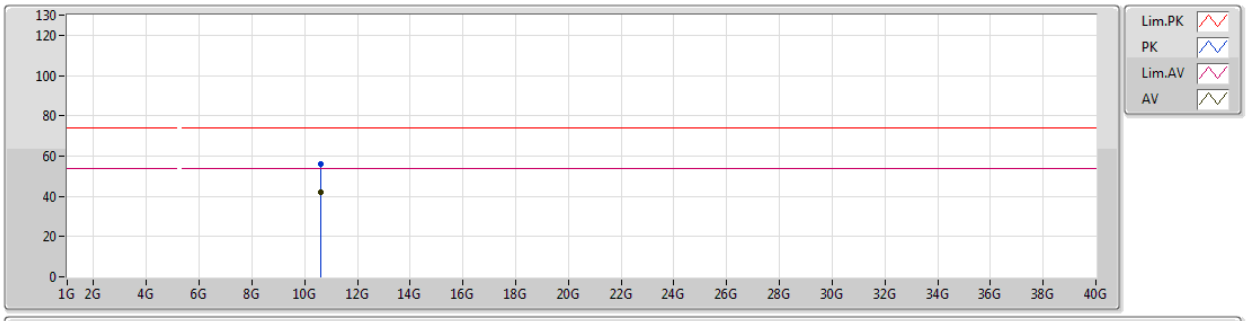


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.59976G	41.61	54.00	-12.39	13.15	3	Vertical	319	1.83	-
PK	10.60066G	55.01	74.00	-18.99	13.15	3	Vertical	319	1.83	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

30/01/2019

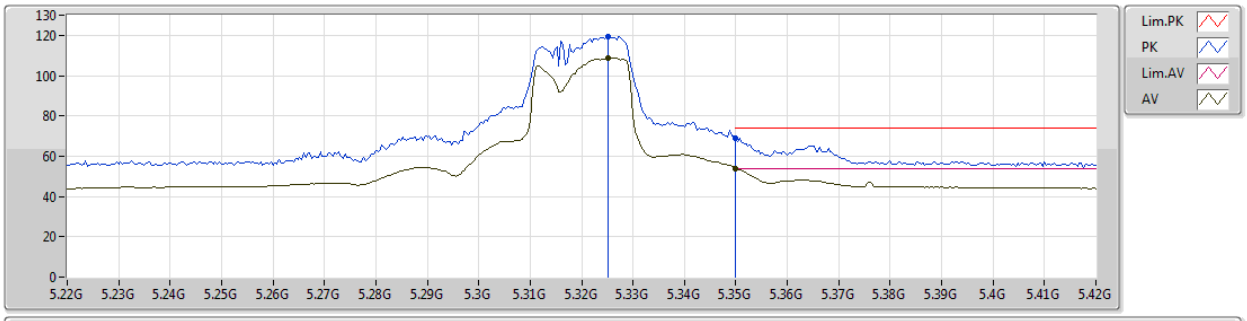


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.59976G	41.87	54.00	-12.13	13.15	3	Horizontal	22	1.63	-
PK	10.59862G	56.18	74.00	-17.82	13.15	3	Horizontal	22	1.63	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

30/01/2019

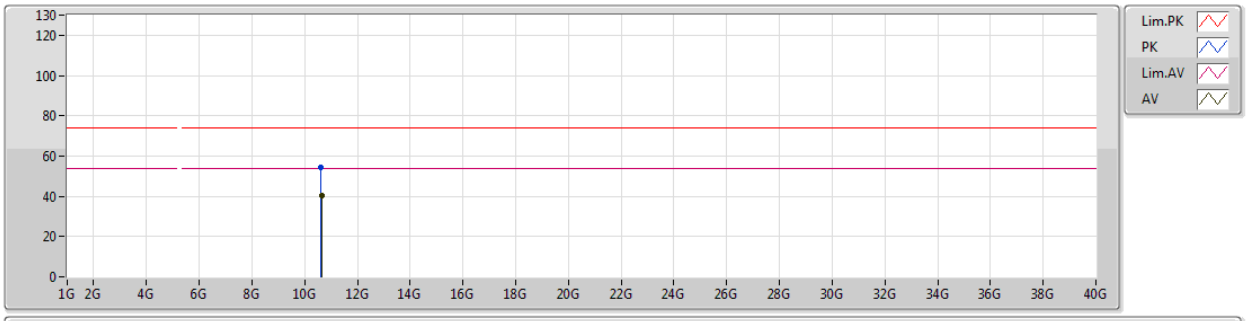


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3252G	108.76	Inf	-Inf	2.95	3	Horizontal	3	1.74	-
AV	5.35G	53.83	54.00	-0.17	2.97	3	Horizontal	3	1.74	-
PK	5.3252G	119.44	Inf	-Inf	2.95	3	Horizontal	3	1.74	-
PK	5.35G	69.07	74.00	-4.93	2.97	3	Horizontal	3	1.74	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

30/01/2019

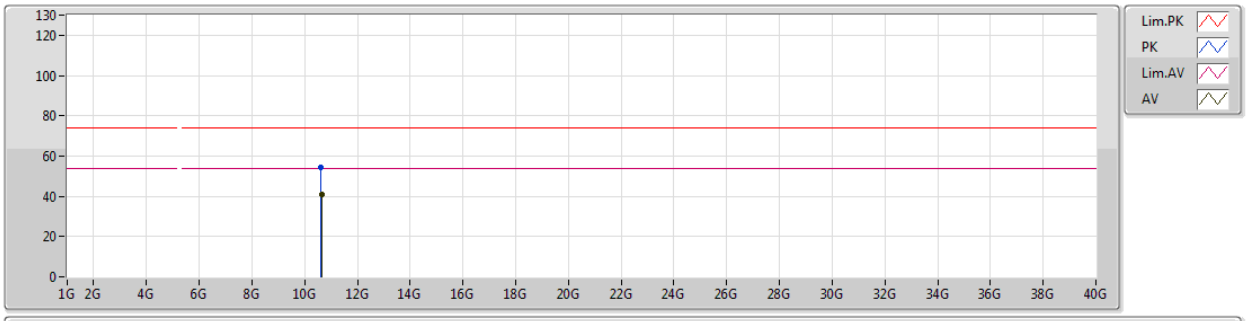


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.64792G	40.50	54.00	-13.50	13.26	3	Vertical	64	1.50	-
PK	10.62782G	54.17	74.00	-19.83	13.22	3	Vertical	64	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

30/01/2019

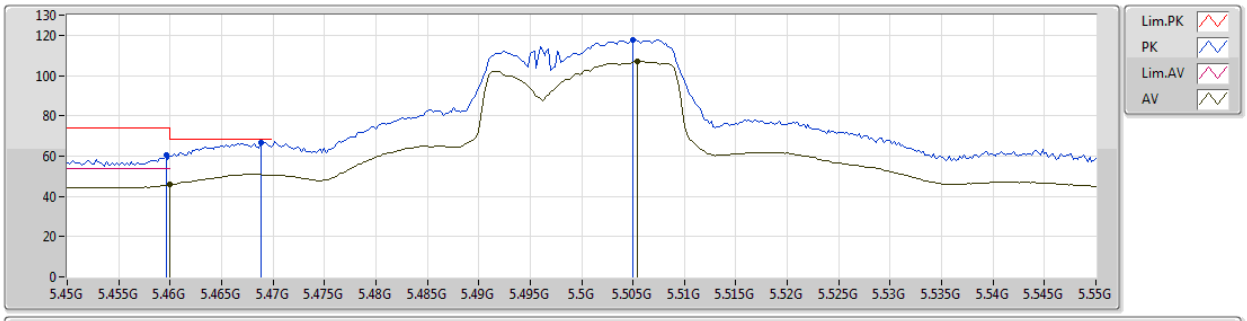


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.63976G	40.69	54.00	-13.31	13.25	3	Horizontal	303	2.20	-
PK	10.62992G	54.55	74.00	-19.45	13.22	3	Horizontal	303	2.20	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

30/01/2019

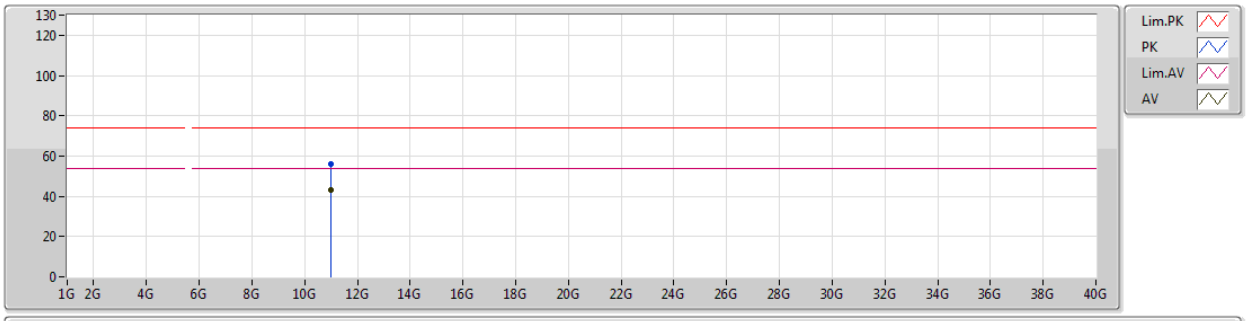


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.46G	45.75	54.00	-8.25	3.10	3	Horizontal	178	1.64	-
AV	5.5054G	106.92	Inf	-Inf	3.15	3	Horizontal	178	1.64	-
PK	5.4596G	60.47	74.00	-13.53	3.10	3	Horizontal	178	1.64	-
PK	5.4688G	66.59	68.20	-1.61	3.11	3	Horizontal	178	1.64	-
PK	5.505G	117.61	Inf	-Inf	3.15	3	Horizontal	178	1.64	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

30/01/2019

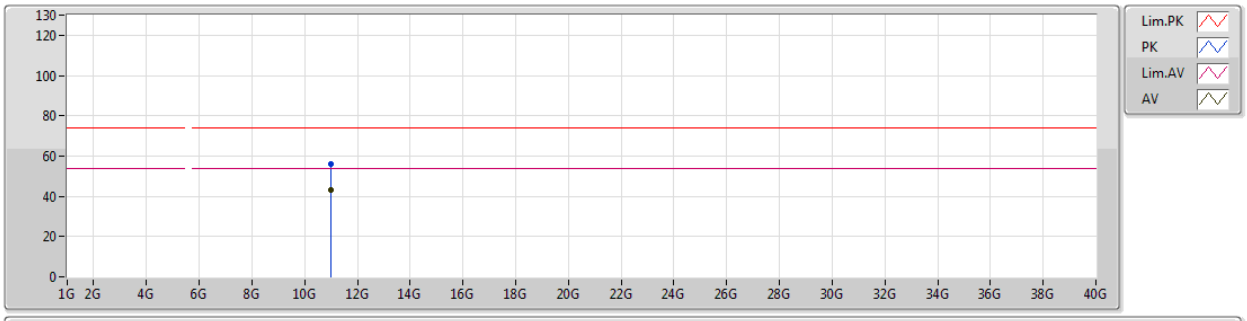


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11G	43.37	54.00	-10.63	14.03	3	Vertical	330	1.30	-
PK	11.01032G	55.90	74.00	-18.10	14.03	3	Vertical	330	1.30	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

30/01/2019

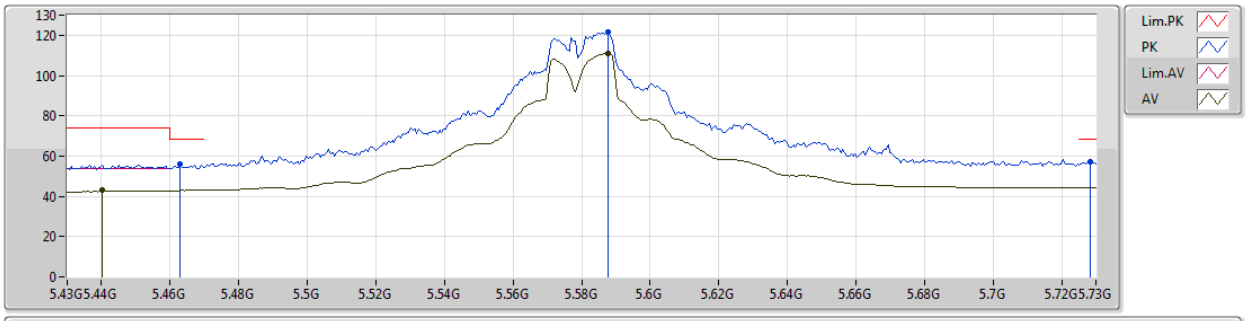


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11G	43.40	54.00	-10.60	14.03	3	Horizontal	327	1.32	-
PK	11.00978G	56.06	74.00	-17.94	14.03	3	Horizontal	327	1.32	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

30/01/2019

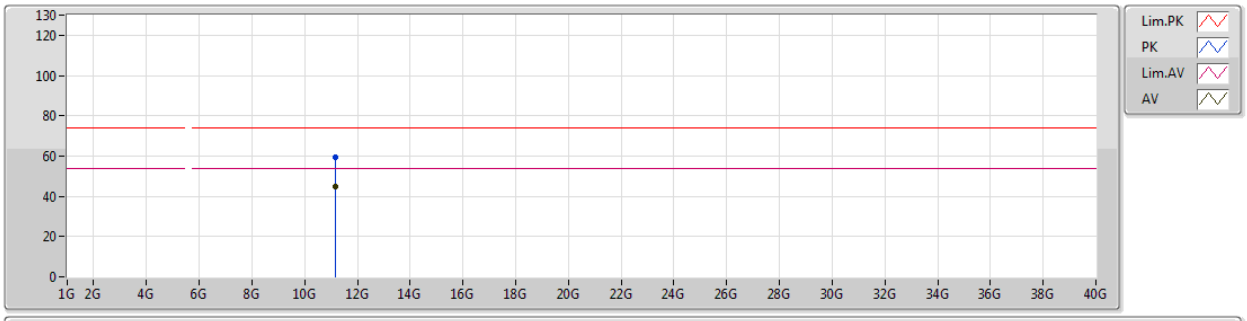


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4402G	43.00	54.00	-11.00	3.07	3	Horizontal	0	1.20	-
AV	5.5878G	110.79	Inf	-Inf	3.31	3	Horizontal	0	1.20	-
PK	5.463G	55.89	68.20	-12.31	3.10	3	Horizontal	0	1.20	-
PK	5.5878G	121.58	Inf	-Inf	3.31	3	Horizontal	0	1.20	-
PK	5.7282G	56.90	68.20	-11.30	3.59	3	Horizontal	0	1.20	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

30/01/2019

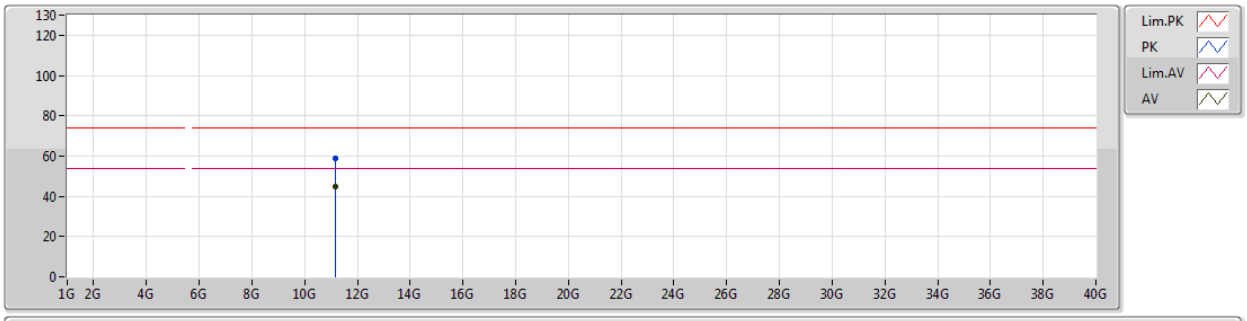


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.1651G	44.94	54.00	-9.06	13.88	3	Vertical	322	1.74	-
PK	11.16552G	59.21	74.00	-14.79	13.88	3	Vertical	322	1.74	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

30/01/2019

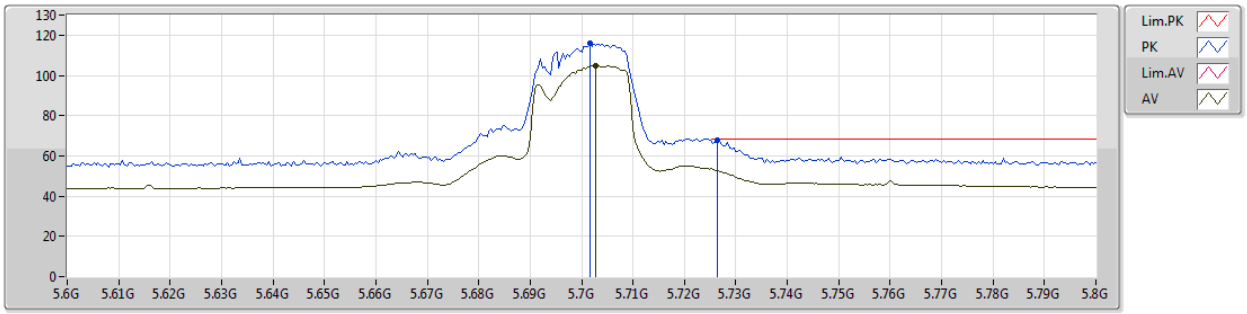


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.16486G	45.07	54.00	-8.93	13.88	3	Horizontal	328	1.00	-
PK	11.16444G	59.10	74.00	-14.90	13.88	3	Horizontal	328	1.00	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

30/01/2019

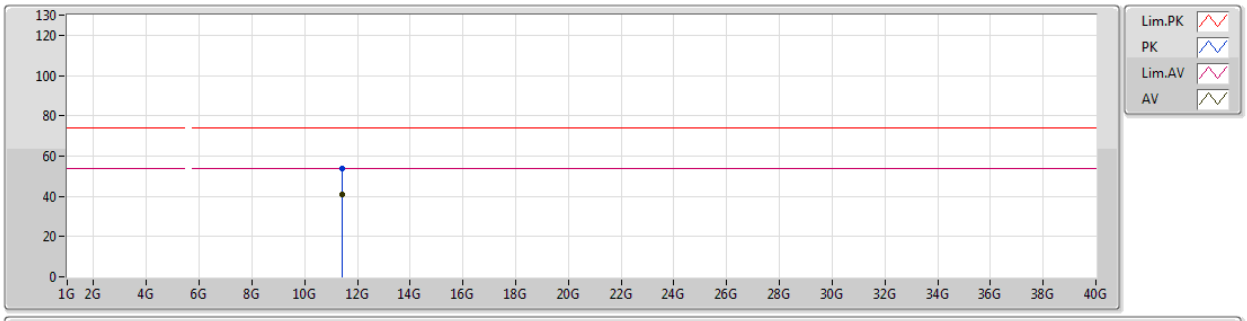


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7028G	105.03	Inf	-Inf	3.54	3	Horizontal	2	1.81	-
PK	5.7016G	116.20	Inf	-Inf	3.54	3	Horizontal	2	1.81	-
PK	5.7264G	67.61	68.20	-0.59	3.59	3	Horizontal	2	1.81	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

30/01/2019

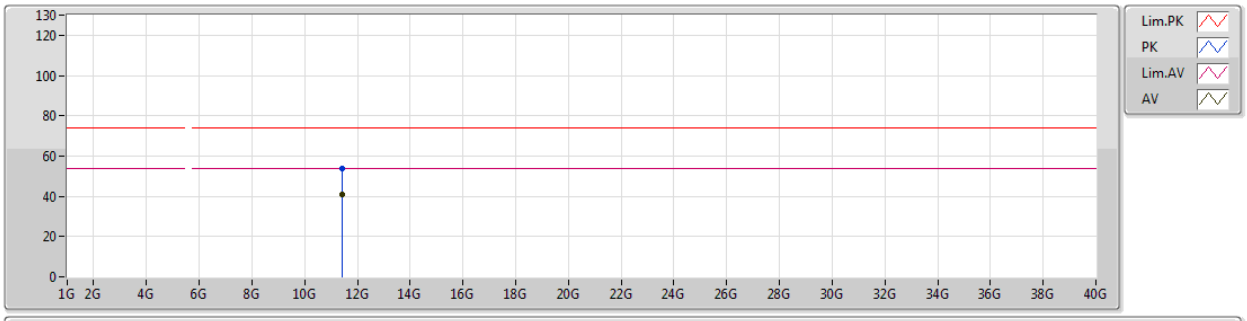


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.4084G	40.67	54.00	-13.33	13.65	3	Vertical	293	1.50	-
PK	11.40774G	53.90	74.00	-20.10	13.65	3	Vertical	293	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

30/01/2019

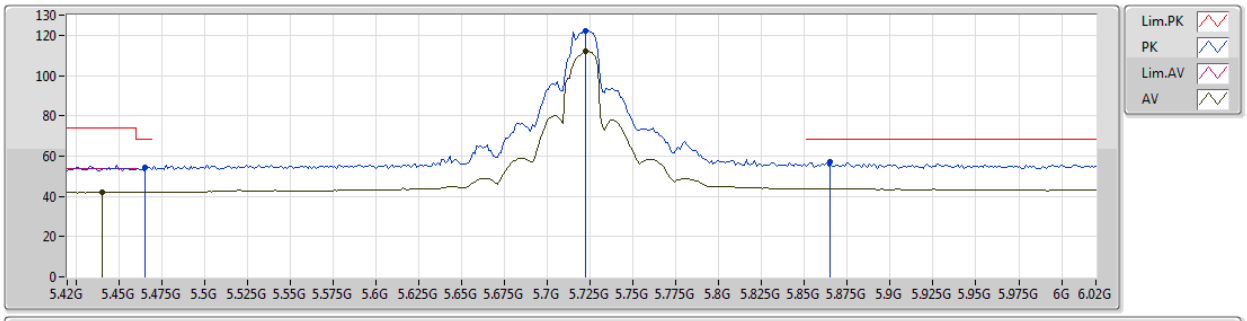


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.415G	40.72	54.00	-13.28	13.65	3	Horizontal	286	1.81	-
PK	11.40744G	54.01	74.00	-19.99	13.65	3	Horizontal	286	1.81	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

30/01/2019

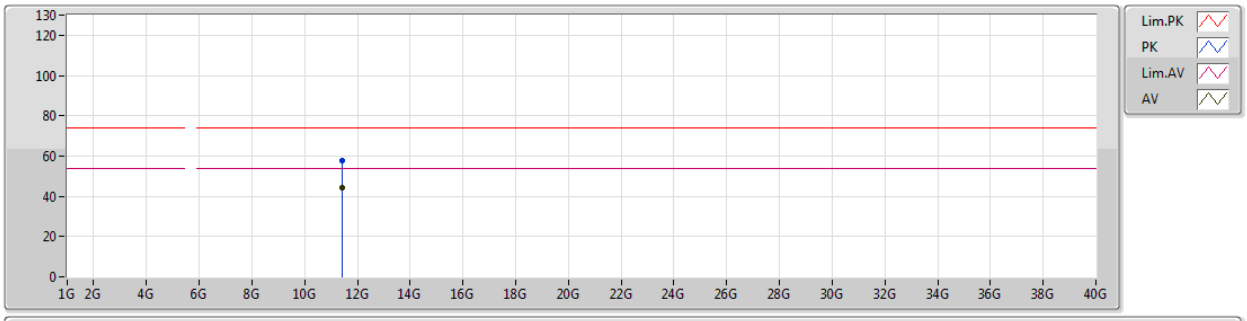


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4404G	42.21	54.00	-11.79	3.07	3	Horizontal	1	1.59	-
AV	5.7224G	112.16	Inf	-Inf	3.59	3	Horizontal	1	1.59	-
PK	5.4656G	54.39	68.20	-13.81	3.11	3	Horizontal	1	1.59	-
PK	5.7224G	122.41	Inf	-Inf	3.59	3	Horizontal	1	1.59	-
PK	5.8652G	57.01	68.20	-11.19	3.86	3	Horizontal	1	1.59	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

30/01/2019

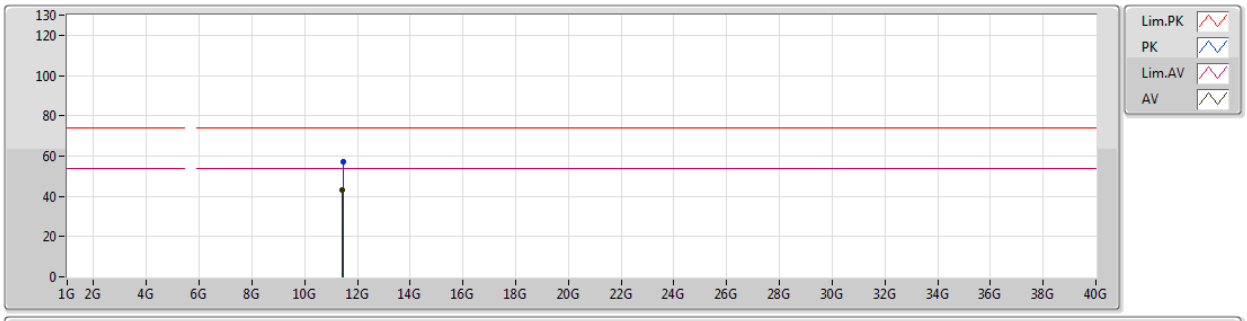


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.43994G	44.26	54.00	-9.74	13.62	3	Vertical	330	1.01	-
PK	11.44258G	57.66	74.00	-16.34	13.62	3	Vertical	330	1.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

30/01/2019

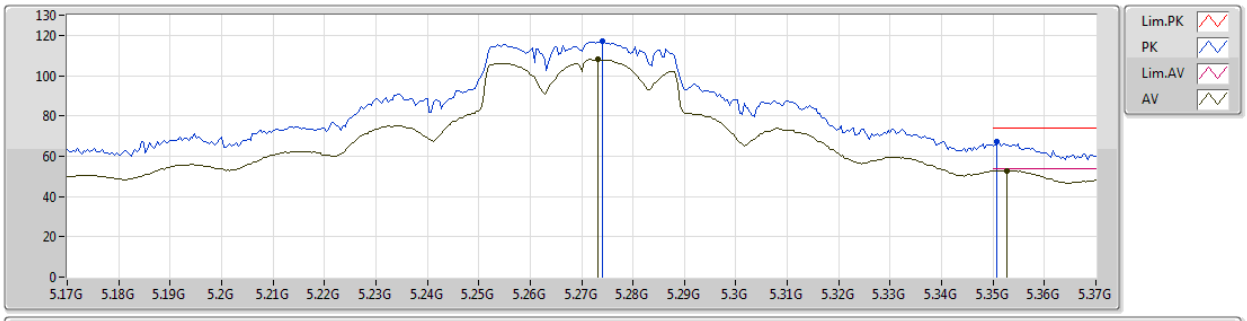


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.43976G	43.18	54.00	-10.82	13.62	3	Horizontal	334	1.50	-
PK	11.4445G	57.01	74.00	-16.99	13.62	3	Horizontal	334	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

30/01/2019

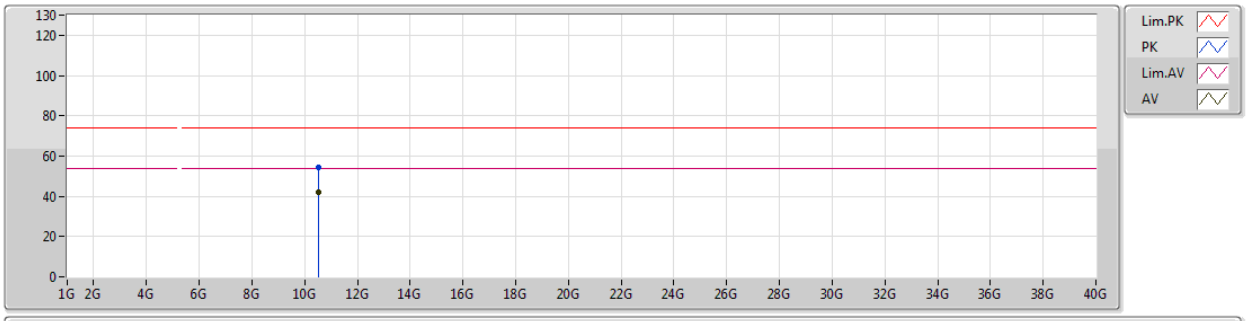


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.2732G	107.94	Inf	-Inf	2.88	3	Horizontal	170	2.29	-
AV	5.3528G	52.90	54.00	-1.10	2.97	3	Horizontal	170	2.29	-
PK	5.274G	116.94	Inf	-Inf	2.88	3	Horizontal	170	2.29	-
PK	5.3508G	67.37	74.00	-6.63	2.97	3	Horizontal	170	2.29	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

30/01/2019

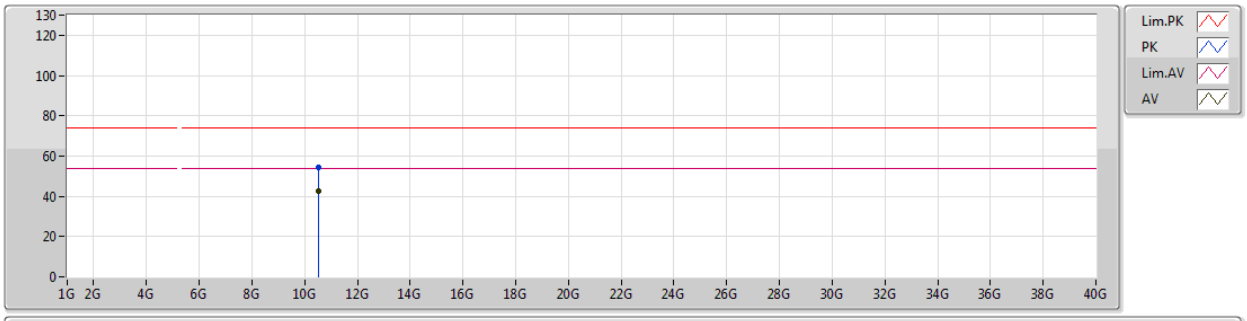


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.53982G	42.13	54.00	-11.87	13.04	3	Vertical	332	1.49	-
PK	10.54588G	54.41	74.00	-19.59	13.04	3	Vertical	332	1.49	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

30/01/2019

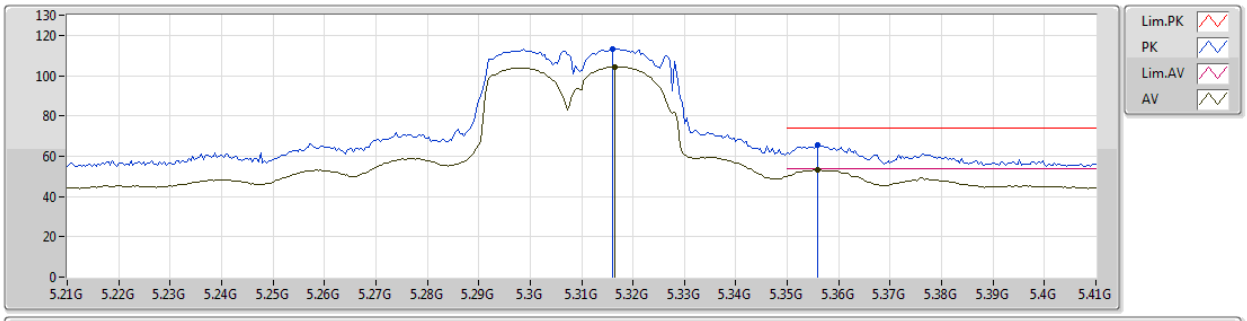


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.54G	42.78	54.00	-11.22	13.04	3	Horizontal	17	1.56	-
PK	10.534G	54.46	74.00	-19.54	13.01	3	Horizontal	17	1.56	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

30/01/2019

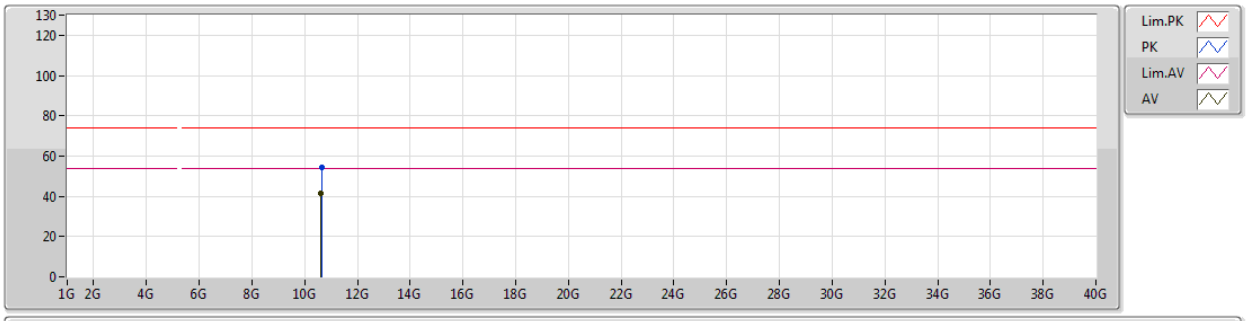


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3164G	104.29	Inf	-Inf	2.93	3	Horizontal	359	1.50	-
AV	5.356G	53.44	54.00	-0.56	2.97	3	Horizontal	359	1.50	-
PK	5.316G	113.14	Inf	-Inf	2.93	3	Horizontal	359	1.50	-
PK	5.356G	65.55	74.00	-8.45	2.97	3	Horizontal	359	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

30/01/2019

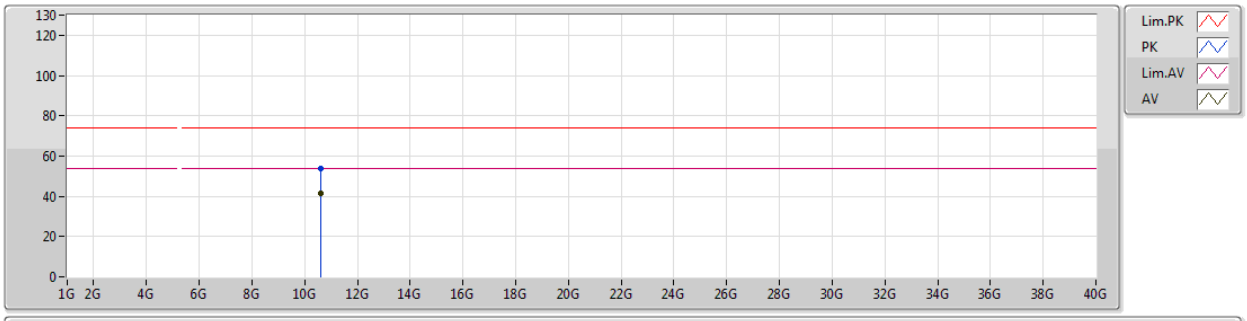


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.61742G	41.29	54.00	-12.71	13.20	3	Vertical	305	1.50	-
PK	10.63332G	54.12	74.00	-19.88	13.24	3	Vertical	305	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

30/01/2019

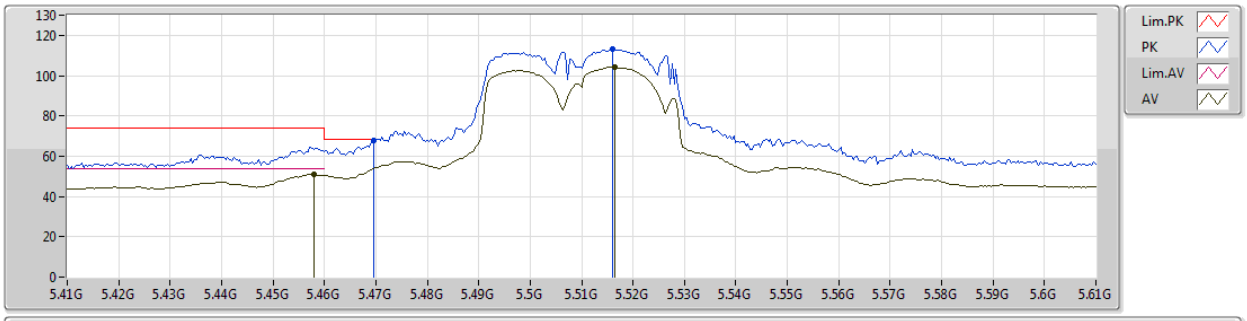


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.62504G	41.42	54.00	-12.58	13.22	3	Horizontal	24	1.79	-
PK	10.6275G	53.94	74.00	-20.06	13.22	3	Horizontal	24	1.79	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

30/01/2019

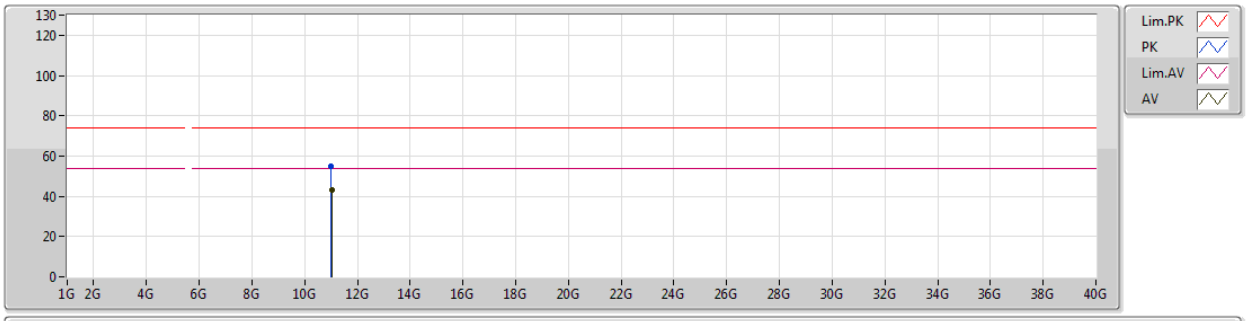


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.458G	50.97	54.00	-3.03	3.09	3	Horizontal	171	1.50	-
AV	5.5164G	104.03	Inf	-Inf	3.17	3	Horizontal	171	1.50	-
PK	5.4696G	68.00	68.20	-0.20	3.11	3	Horizontal	171	1.50	-
PK	5.516G	113.09	Inf	-Inf	3.17	3	Horizontal	171	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

30/01/2019

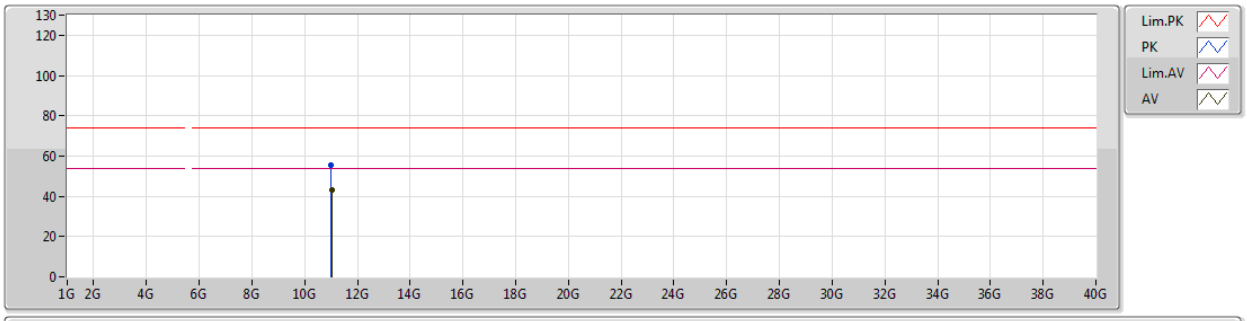


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.01988G	43.31	54.00	-10.69	14.01	3	Vertical	310	1.50	-
PK	11.01292G	54.99	74.00	-19.01	14.02	3	Vertical	310	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

30/01/2019

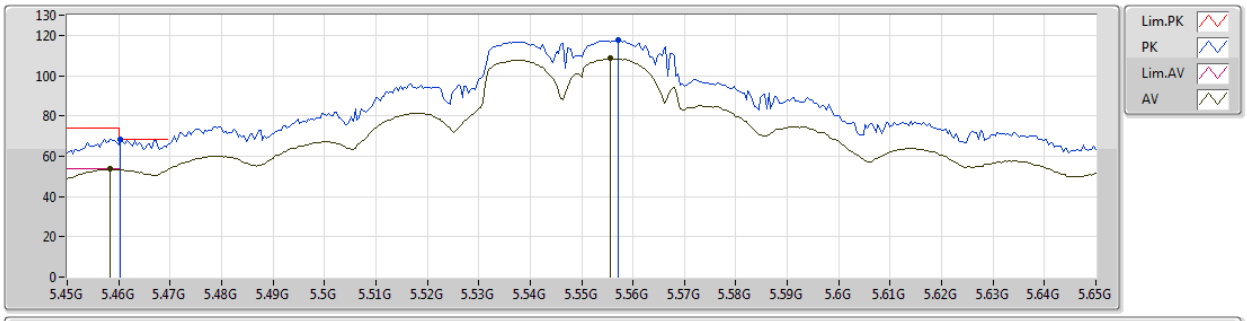


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.01994G	43.39	54.00	-10.61	14.01	3	Horizontal	321	1.26	-
PK	11.0146G	55.56	74.00	-18.44	14.02	3	Horizontal	321	1.26	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

30/01/2019

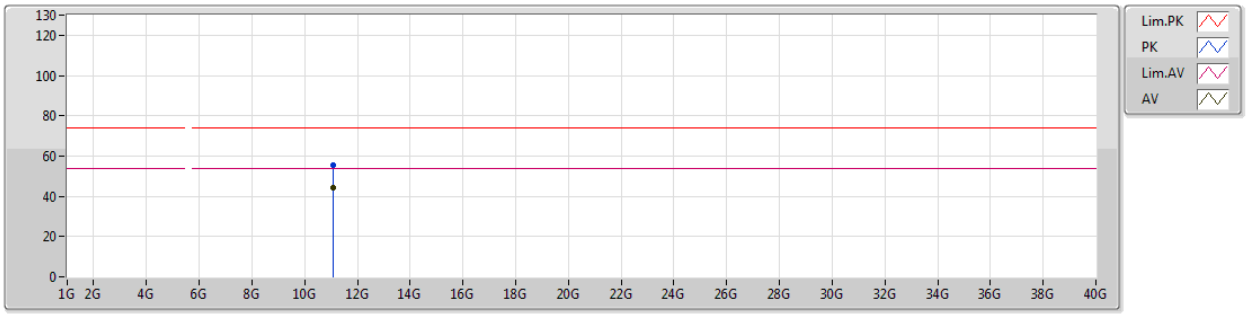


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4584G	53.55	54.00	-0.45	3.10	3	Horizontal	359	1.49	-
AV	5.5556G	108.51	Inf	-Inf	3.25	3	Horizontal	359	1.49	-
PK	5.4604G	68.12	68.20	-0.08	3.10	3	Horizontal	359	1.49	-
PK	5.5572G	117.54	Inf	-Inf	3.25	3	Horizontal	359	1.49	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

30/01/2019

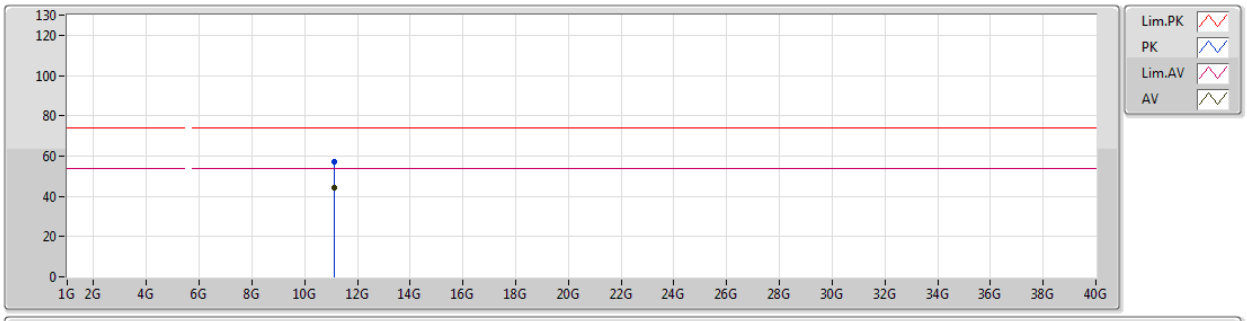


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.1G	44.19	54.00	-9.81	13.94	3	Vertical	317	1.06	-
PK	11.09994G	55.69	74.00	-18.31	13.94	3	Vertical	317	1.06	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

30/01/2019

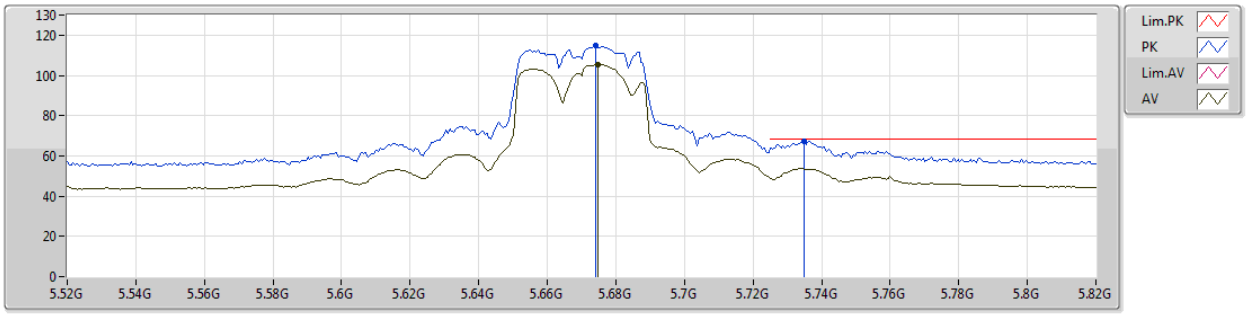


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.10636G	44.33	54.00	-9.67	13.93	3	Horizontal	15	1.50	-
PK	11.10906G	56.92	74.00	-17.08	13.93	3	Horizontal	15	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

30/01/2019

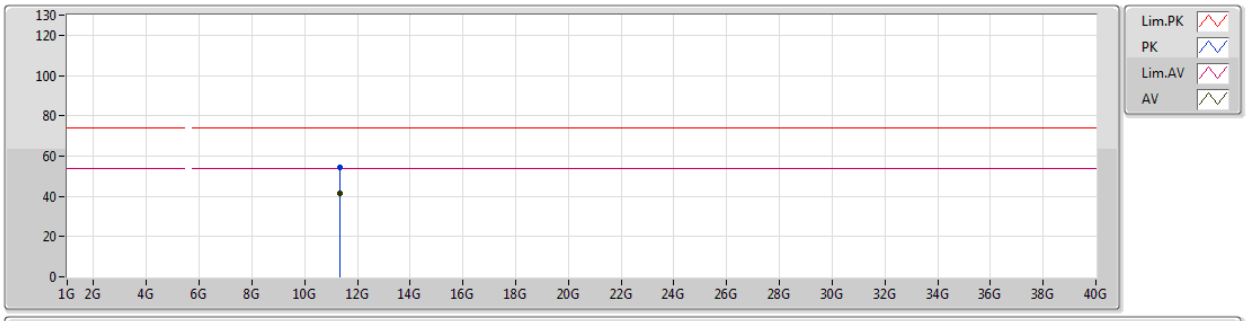


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.6748G	105.55	Inf	-Inf	3.48	3	Horizontal	354	1.64	-
PK	5.6742G	114.67	Inf	-Inf	3.48	3	Horizontal	354	1.64	-
PK	5.7348G	67.34	68.20	-0.86	3.60	3	Horizontal	354	1.64	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

30/01/2019

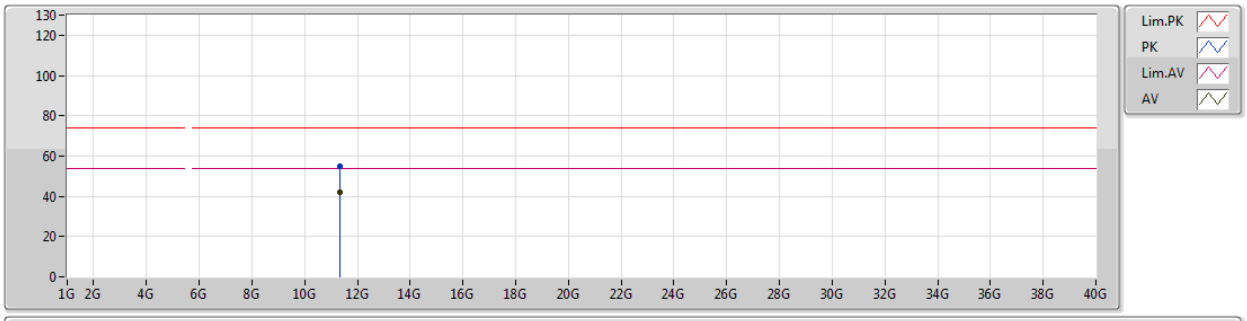


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.33262G	41.52	54.00	-12.48	13.72	3	Vertical	232	1.50	-
PK	11.3259G	54.19	74.00	-19.81	13.73	3	Vertical	232	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

30/01/2019

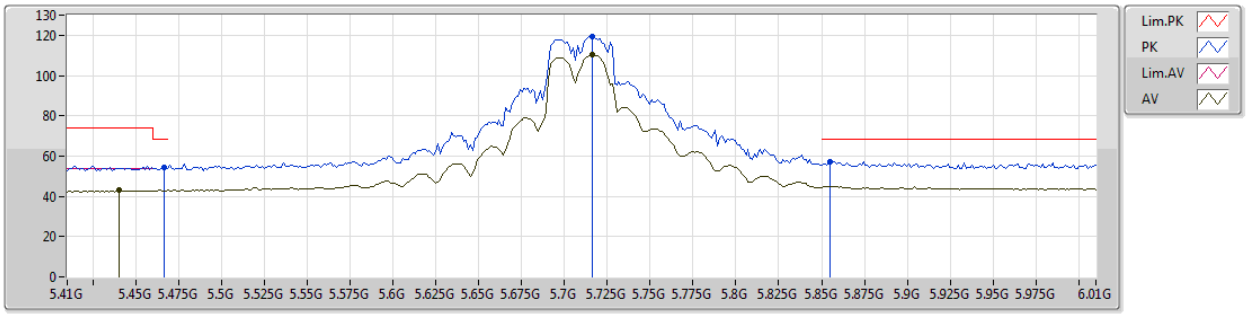


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.3271G	41.80	54.00	-12.20	13.73	3	Horizontal	304	2.97	-
PK	11.3265G	54.72	74.00	-19.28	13.73	3	Horizontal	304	2.97	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

30/01/2019

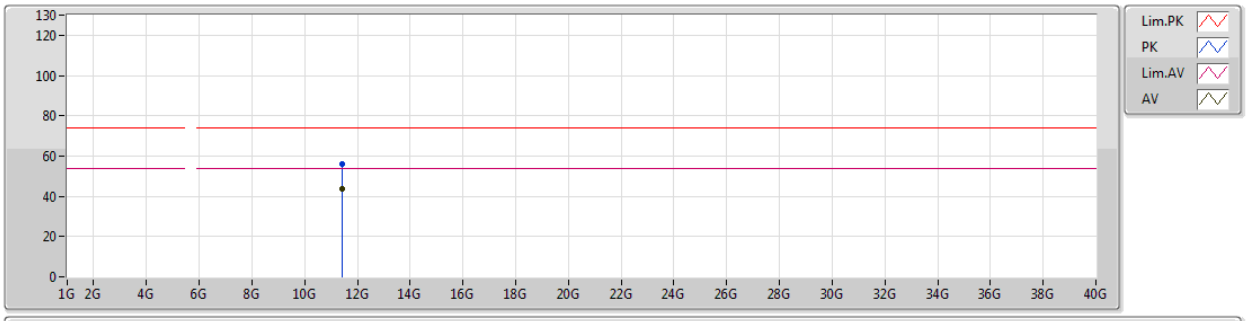


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.44G	42.94	54.00	-11.06	3.07	3	Horizontal	354	1.50	-
AV	5.716G	110.24	Inf	-Inf	3.57	3	Horizontal	354	1.50	-
PK	5.4664G	54.20	68.20	-14.00	3.11	3	Horizontal	354	1.50	-
PK	5.716G	119.19	Inf	-Inf	3.57	3	Horizontal	354	1.50	-
PK	5.8552G	57.42	68.20	-10.78	3.84	3	Horizontal	354	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

30/01/2019

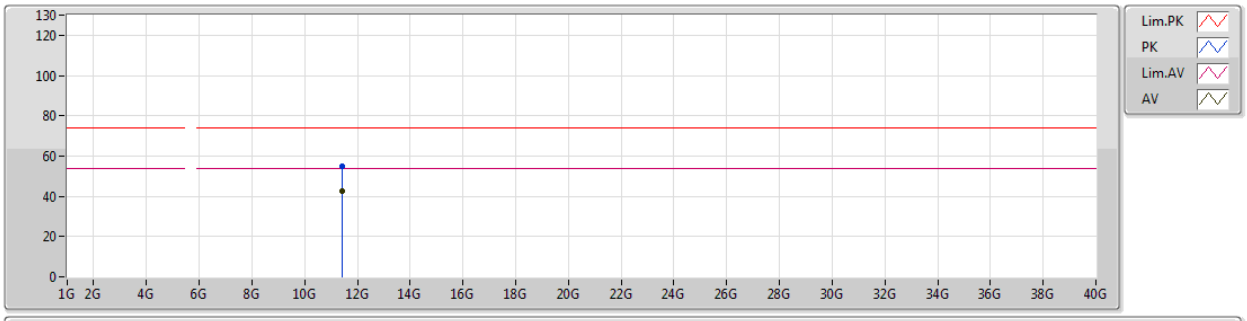


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.4277G	43.54	54.00	-10.46	13.63	3	Vertical	323	1.02	-
PK	11.4085G	56.23	74.00	-17.77	13.65	3	Vertical	323	1.02	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

30/01/2019

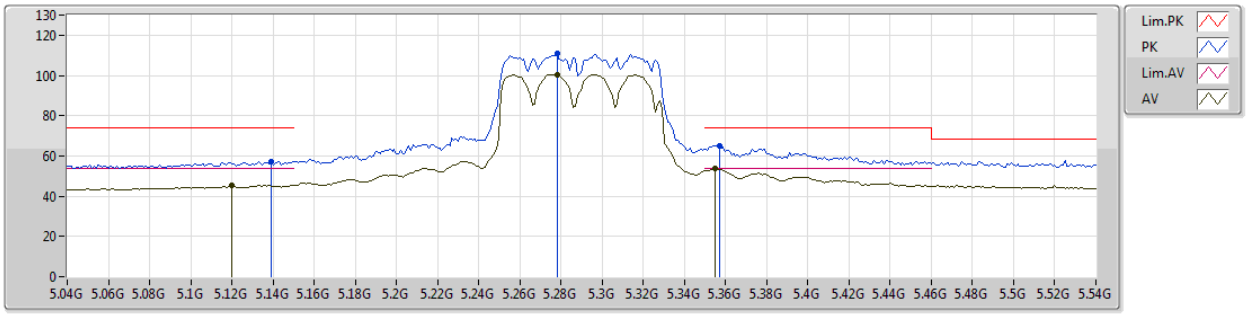


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.43146G	42.69	54.00	-11.31	13.64	3	Horizontal	310	2.13	-
PK	11.41196G	55.11	74.00	-18.89	13.64	3	Horizontal	310	2.13	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

30/01/2019

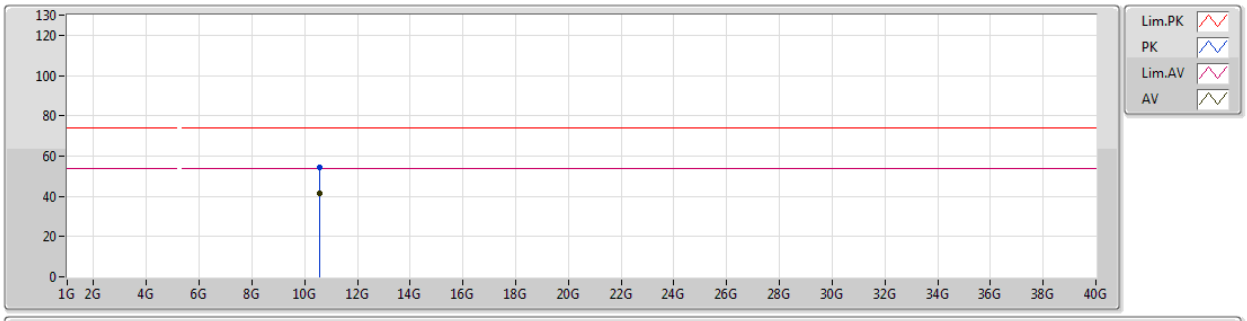


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.12G	45.58	54.00	-8.42	2.70	3	Horizontal	351	1.73	-
AV	5.278G	100.58	Inf	-Inf	2.88	3	Horizontal	351	1.73	-
AV	5.355G	53.56	54.00	-0.44	2.97	3	Horizontal	351	1.73	-
PK	5.139G	57.23	74.00	-16.77	2.73	3	Horizontal	351	1.73	-
PK	5.278G	110.87	Inf	-Inf	2.88	3	Horizontal	351	1.73	-
PK	5.357G	65.18	74.00	-8.82	2.97	3	Horizontal	351	1.73	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

30/01/2019

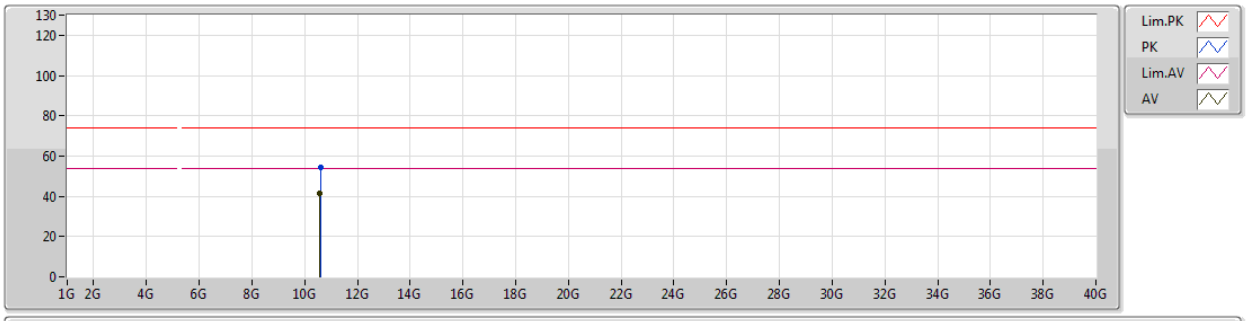


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.57526G	41.34	54.00	-12.66	13.11	3	Vertical	98	2.02	-
PK	10.57748G	54.46	74.00	-19.54	13.11	3	Vertical	98	2.02	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

30/01/2019

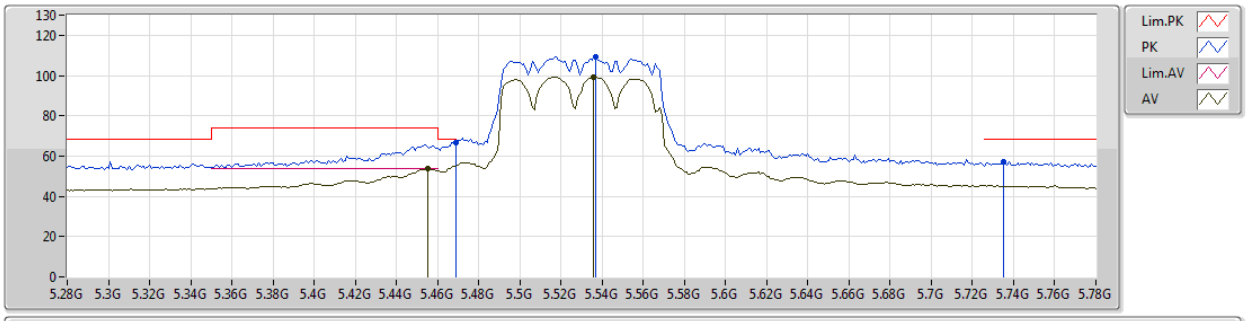


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.58G	41.73	54.00	-12.27	13.11	3	Horizontal	4	1.50	-
PK	10.59236G	54.45	74.00	-19.55	13.14	3	Horizontal	4	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

30/01/2019

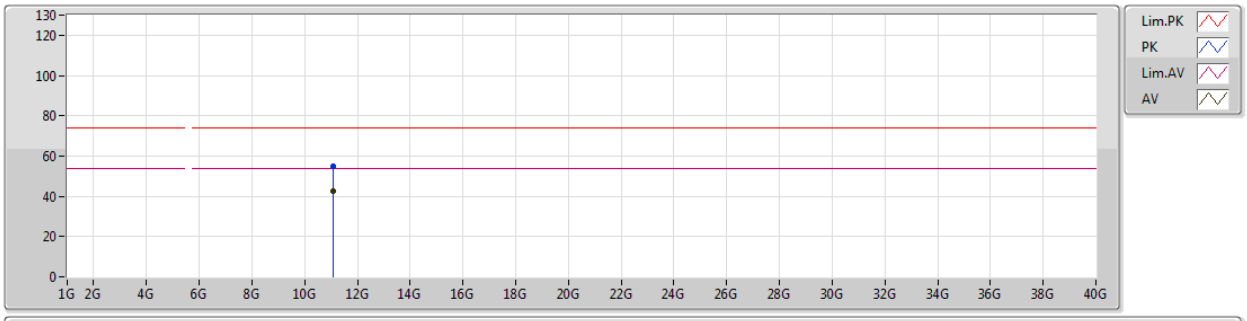


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.455G	53.52	54.00	-0.48	3.09	3	Horizontal	162	1.46	-
AV	5.536G	99.33	Inf	-Inf	3.22	3	Horizontal	162	1.46	-
PK	5.469G	66.93	68.20	-1.27	3.11	3	Horizontal	162	1.46	-
PK	5.537G	109.21	Inf	-Inf	3.22	3	Horizontal	162	1.46	-
PK	5.735G	57.17	68.20	-11.03	3.60	3	Horizontal	162	1.46	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

30/01/2019

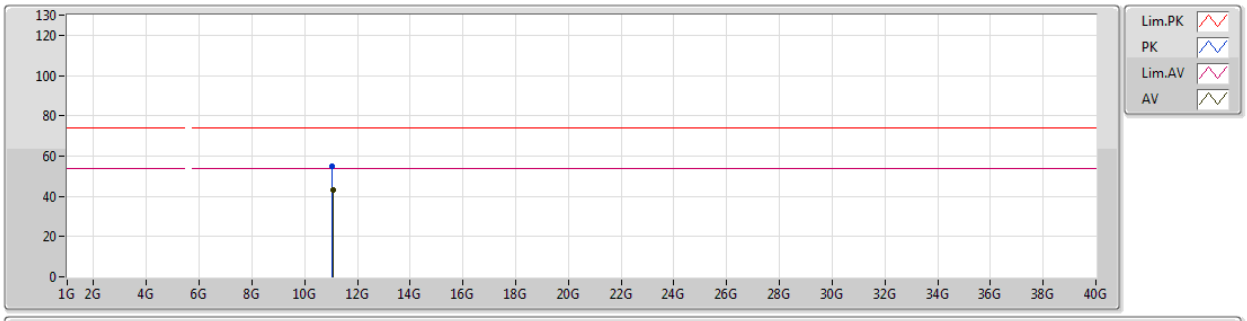


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.06G	42.76	54.00	-11.24	13.97	3	Vertical	301	1.46	-
PK	11.07278G	55.10	74.00	-18.90	13.96	3	Vertical	301	1.46	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

30/01/2019

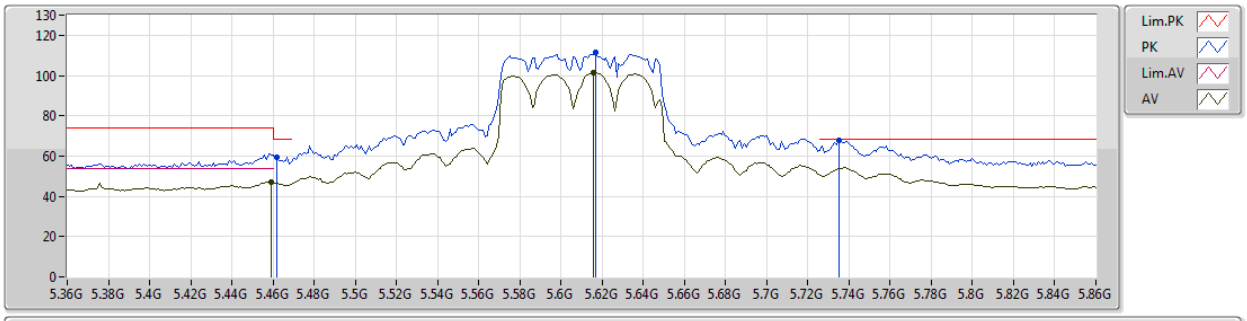


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.05994G	42.94	54.00	-11.06	13.97	3	Horizontal	304	1.32	-
PK	11.0549G	54.99	74.00	-19.01	13.98	3	Horizontal	304	1.32	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

30/01/2019

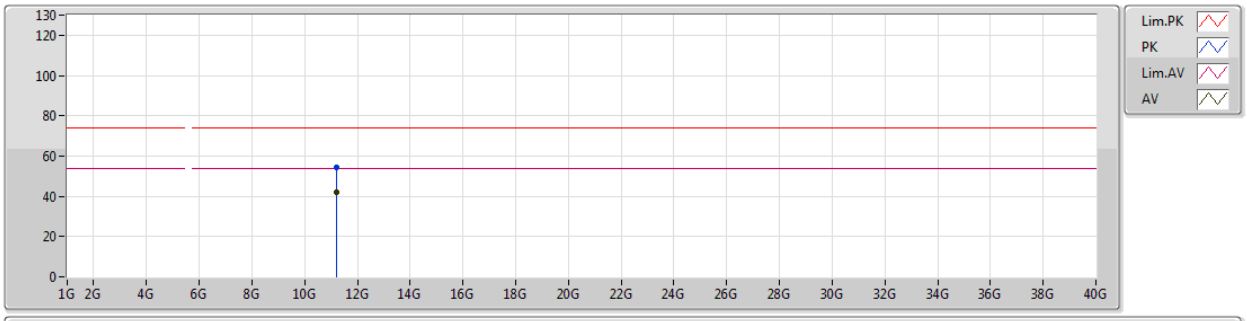


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.459G	46.98	54.00	-7.02	3.10	3	Horizontal	348	1.49	-
AV	5.616G	101.55	Inf	-Inf	3.37	3	Horizontal	348	1.49	-
PK	5.462G	59.57	68.20	-8.63	3.10	3	Horizontal	348	1.49	-
PK	5.617G	111.36	Inf	-Inf	3.37	3	Horizontal	348	1.49	-
PK	5.735G	67.53	68.20	-0.67	3.60	3	Horizontal	348	1.49	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

30/01/2019

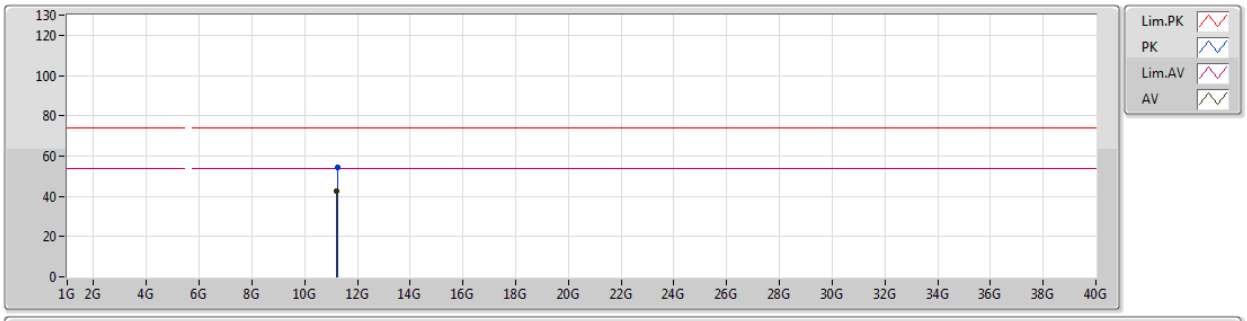


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.21538G	41.82	54.00	-12.18	13.83	3	Vertical	245	1.47	-
PK	11.22042G	54.48	74.00	-19.52	13.83	3	Vertical	245	1.47	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

30/01/2019

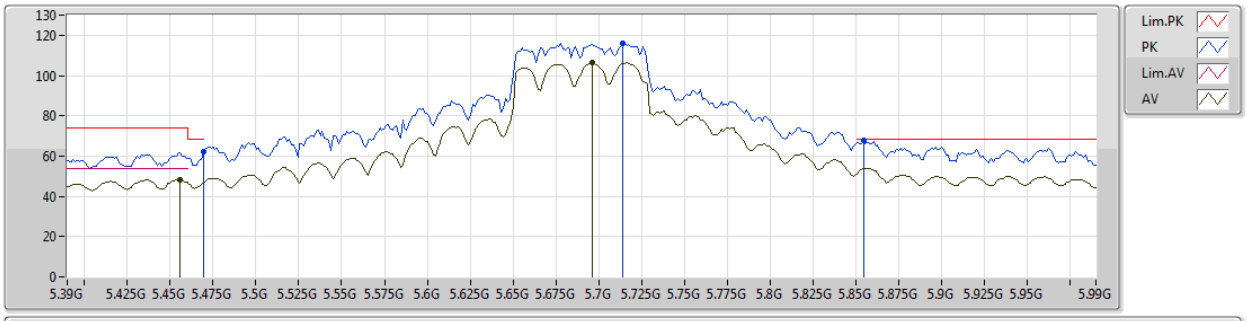


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.21988G	42.31	54.00	-11.69	13.83	3	Horizontal	359	1.50	-
PK	11.23212G	54.50	74.00	-19.50	13.82	3	Horizontal	359	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX

30/01/2019

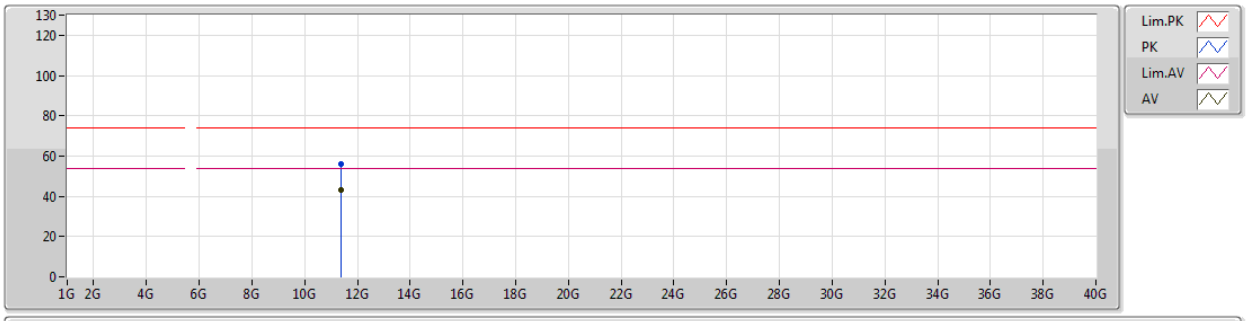


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.456G	48.34	54.00	-5.66	3.09	3	Horizontal	350	1.50	-
AV	5.696G	106.34	Inf	-Inf	3.53	3	Horizontal	350	1.50	-
PK	5.4692G	62.05	68.20	-6.15	3.11	3	Horizontal	350	1.50	-
PK	5.714G	116.01	Inf	-Inf	3.57	3	Horizontal	350	1.50	-
PK	5.8544G	67.63	68.20	-0.57	3.84	3	Horizontal	350	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX

30/01/2019

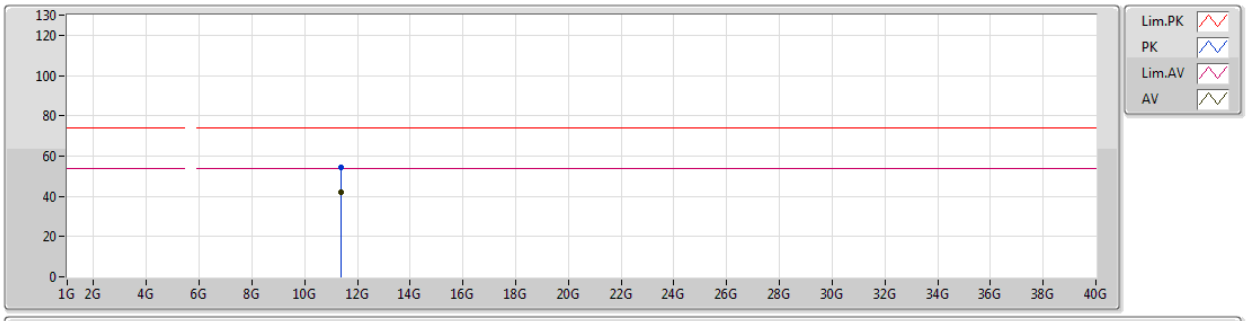


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.38672G	42.88	54.00	-11.12	13.68	3	Vertical	309	2.23	-
PK	11.38618G	56.00	74.00	-18.00	13.68	3	Vertical	309	2.23	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX

30/01/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.38744G	41.86	54.00	-12.14	13.68	3	Horizontal	303	1.50	-
PK	11.39236G	54.41	74.00	-19.59	13.66	3	Horizontal	303	1.50	-